FDLE
Florida Department of Law Enforcement

INSTRUMENT PROCESSING SHEET

Agency St. Petersburg Police Department S/N 80-005338

Date In 07/02/2018 DI Completion Date 07/03/2018 ☑Ship ☐P/U ☐H/D ☐CMI ☐EE

Intake Performed By DMB

☑ 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 Performed By DMB

☑ Breath Tube Screen
☑ Replace External O-Rings
☑ Instrument Set Up Verified
☑ R-Value 223
☑ Flow Verification (L/s)
Flow Column # ATP 105
32 mm 0.156 (.139 - .169)
36 mm 0.175 (.156 - .190)
53 mm 0.250 (.228 - .278)
103 mm 0.519 (.447 - .547)
☑ Barometric Pressure Check
Gauge ID # 28662
☑ Stability Checks

Simulator	Serial #	Lot #/Exp
0.050	SD1018	201707D 07/25/2019
0.080	SD3962	201707E 07/25/2019
0.200	G2078	201707C 07/24/2019
0.080 DGS	N/A	AG805701 02/26/2020

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 DMB

☑ Lab Temp °C 22.0
External Digital Therm. ID#: 300505
☑ 34°C +-.2 Serial #: SD1018
☑ 34°C +-.2 Serial #: SD3962
☑ 34°C +-.2 Serial #: G2078

Final Release Date

FDLE
JUL 03 2018
Alcohol Testing Program

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 DMB

Barometric Pressure ID# 28662
Gauge 1017 Instrument 1014
Mouth Alcohol Solution Lot # 2017-B
Acetone Stock Solution Lot # 2018-A

Simulator	Serial Number
0.000	G4444
Interferent	G6621
0.050	SD1018
0.080	SD3962
0.200	G2078

Attachments

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

Notes/Suggested Service: Please remember to update the level 2 menu password to something unique.
DMB 7/3/18

☑ **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**

7/3/18 Tech Review / Date
7/3/18 Admin Review / Date

Florida Department of Law Enforcement
Alcohol Testing Program

DEPARTMENT INSPECTION REPORT - INTOXILYZER 8000

Agency: ST PETERSBURG PD
Time of Inspection: 10:41
Date of Inspection: 07/03/2018
Serial Number: 80-005338
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#: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#:AG805701 Exp: 02/26/2020
0.000	0.050	0.081	0.199	0.078
0.000	0.050	0.082	0.199	0.078
0.000	0.050	0.081	0.200	0.078
0.000	0.050	0.081	0.200	0.077
0.000	0.050	0.081	0.200	0.078
0.000	0.050	0.081	0.200	0.077
0.000	0.050	0.081	0.200	0.077
0.000	0.050	0.081	0.199	0.077
0.000	0.050	0.081	0.199	0.077
0.000	0.050	0.081	0.200	0.077

Standard Deviations	0.0000	0.0003	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.

DANIELLE M BELL
Signature and Printed Name

07/03/2018
Date

7/3/18

FDLE/ATP Form 41 –Revised August 2005

Stability Checks #80-005338 St. Petersburg P.D. 7/3/18 DGS

ST PETERSBURG PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-005338
07/03/2018
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	08:28
Control Test	0.049	08:29
Air Blank	0.000	08:30
Control Test	0.049	08:30
Air Blank	0.000	08:31
Control Test	0.050	08:32
Air Blank	0.000	08:32
Control Test Stats		
Average	0.0493	
Std Dev	0.0006	
Rel Std Dev(%)	1.1703	

Operator's Signature

7/3/18

ST PETERSBURG PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-005338
07/03/2018
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	08:33
Control Test	0.081	08:34
Air Blank	0.000	08:35
Control Test	0.080	08:35
Air Blank	0.000	08:36
Control Test	0.080	08:37
Air Blank	0.000	08:37
Control Test Stats		
Average	0.0803	
Std Dev	0.0006	
Rel Std Dev(%)	0.7187	

Operator's Signature

ST PETERSBURG PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-005338
07/03/2018
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	08:38
Control Test	0.198	08:39
Air Blank	0.000	08:40
Control Test	0.196	08:40
Air Blank	0.000	08:41
Control Test	0.197	08:42
Air Blank	0.000	08:42
Control Test Stats		
Average	0.1970	
Std Dev	0.0010	
Rel Std Dev(%)	0.5076	

Operator's Signature

DGS

ST PETERSBURG PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-005338
07/03/2018
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	08:21
Control Test	0.078	08:22
Air Blank	0.000	08:22
Control Test	0.079	08:23
Air Blank	0.000	08:23
Control Test	0.078	08:23
Air Blank	0.000	08:24
Control Test Stats		
Average	0.0783	
Std Dev	0.0006	
Rel Std Dev(%)	0.7370	

Operator's Signature

FDLE

Calibration Certificate

Florida Department of Law Enforcement
Alcohol Testing Program
2729 Fort Knox Blvd.
Bldg. 2, Suite 1300
Tallahassee, FL 32308

This is to certify the calibration of Intoxilyzer 8000 serial number 80-005338, manufactured by CMI, Inc. was calibrated in accordance with FDLE/ATP Form 36 - Department Inspection Procedures - Intoxilyzer 8000.

Serial Number:	80-005338		UNCERTAINTY* ±
Owning Agency:	ST PETERSBURG PD	0.050 g/ 210 L	0.004
Calibration Date:	07/03/2018	0.080 g/ 210 L	0.005
Calibration Time:	10:41	0.200 g/ 210 L	0.008
		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% level of confidence (k=3).

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. Thermometer temperatures are checked with NIST traceable Eutechnics 4400 digital thermometers calibrated by Precision Metrology in accordance with ISO/ IEC 17025 standards.

Dry gas control measurements are traceable to NIST through the uses 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.

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07/03/2018
Date

DANIELLE M BELL,
Department Inspector

7/3/18

FDLE
Florida Department of Law Enforcement

INSTRUMENT PROCESSING SHEET

Agency St. Petersburg Police Department S/N 80-005338

Date In 03/08/2018 DI Completion Date 03/19/2018 ☐Ship ☐P/U ☐H/D ☐CMI ☑EE

Intake Performed By TG

- ☑ 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: 1. Check fan filter.
2. Static bag is torn.

Quality Checks Performed By [illegible]

- ☑ Breath Tube Screen
- ☑ Replace External O-Rings
- ☑ Instrument Set Up Verified
- ☑ R-Value 222
- ☑ Flow Verification (L/s)

Flow Column # ATP 103

32 mm	0.140	(.139 - .169)
36 mm	0.160	(.156 - .190)
53 mm	0.230	(.228 - .278)
103 mm	0.496	(.447 - .547)

- ☑ Barometric Pressure Check

Gauge ID # 28662

- ☑ Stability Checks

Simulator	Serial #	Lot #/Exp
0.050	G11739	201707D 07/25/2019
0.080	SD3964	201707E 07/25/2019
0.200	DR3856	201707C 07/24/2019
0.080 DGS	N/A	AG715202 06/01/2019

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 [illegible]

- ☑ Lab Temp °C 22.1

External Digital Therm. ID#: 300503

- ☑ 34°C +-.2 Serial #: G11739
- ☑ 34°C +-.2 Serial #: SD3964
- ☑ 34°C +-.2 Serial #: DR3856

Final Release Date

FDLE

MAR 20 2018

Alcohol Testing Program

Calibration Adjustment #1 #2 Performed By [illegible]

Barometric Pressure Gauge 1007/1006 ID # 28427/28427

Simulator	Serial Number	Lot Number	Expiration
0.000	G2879	N/A	N/A
0.040	SD1024	16320	10/21/2018
0.100	G2834	17280	09/11/2019
0.200	SD1011	17090	02/24/2019
0.300	DR1275	17140	05/15/2019
0.080 DGS	N/A	22817080A5	10/05/2019

☑ Post Calibration Adjustment Stability Checks

Simulator	Serial Number	Lot Number	Expiration
0.050	G11739	201707D	07/25/2019
0.080	SD3964	201707E	07/25/2019
0.200	DR3856	201707C	07/24/2019
0.080 DGS	N/A	AG708807	03/29/2019

Department Inspection Performed By [illegible]

Barometric Pressure ID# 28662

Gauge 1008 Instrument 1007

Mouth Alcohol Solution Lot # 2016-C

Acetone Stock Solution Lot # 2017-A

Simulator	Serial Number
0.000	SD1019
Interferent	SD1021
0.050	G11739
0.080	SD3964
0.200	DR3856

Attachments

- ☑ Form 41
- ☑ Stability Checks
- ☐ Calibration Certificate
- ☑ Calibration Adjustment x 2
- ☑ Post-Stability Checks x 2
- ☐ Flow Calibration
- ☐ Form 40
- ☑ Other INT Stability Checks

Notes/Suggested Service: Optical bench calibration adjustments performed to bring values closer to nominal. 3/19/18 DMB All simulator and ARS/DGS Lot information was the same for both calibration adjustments and post-cal stability checks. Unable to bring all values to within nominal. Sending for repair. 3/19/18 DMB

- ☐ **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**

[illegible] 3/19/18 Tech Review / Date

[illegible] 3/20/18 Admin Review / Date

Florida Department of Law Enforcement
Alcohol Testing Program

DEPARTMENT INSPECTION REPORT - INTOXILYZER 8000

Agency: ST PETERSBURG PD
Time of Inspection: 12:31

Date of Inspection: 03/19/2018

Serial Number: 80-005338
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		No	Diagnostic Check (Post-Inspection): OK		No

Alcohol Free Test (g/210L)	0.05g/210L Test (g/210L) Lot#: Exp:	0.08g/210L Test (g/210L) Lot#: Exp:	0.20g/210L Test (g/210L) Lot#: Exp:	0.08 g/210L Dry Gas Std Test (g/210L) Lot#: Exp:
0.000				
0.000				
0.000				
0.000				
0.000				
0.000				
0.000				
0.000				
0.000				
0.000				
Standard Deviations				

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

Remarks:

Int Det: ADJUSTED SIM, RETESTING, UNKNOWN ISSUE. WILL RECAL. Non-compliance: UKNOWN INT ISSUE. WILL RECAL ADJUST..

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

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

DANIELLE M BELL

Signature and Printed Name

03/19/2018
Date

3/20/18

FDLE/ATP Form 41 –Revised August 2005

Stability Checks #80-005338 St. Petersburg P.D. 3/14/18

ST PETERSBURG PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-005338
03/14/2018
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	15:46
Control Test	0.050	15:46
Air Blank	0.000	15:47
Control Test	0.051	15:48
Air Blank	0.000	15:48
Control Test	0.050	15:49
Air Blank	0.000	15:50
Control Test Stats		
Average	0.0503	
Std Dev	0.0006	
Rel Std Dev(%)	1.1471	

Operator's Signature

ST PETERSBURG PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-005338
03/14/2018
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	15:54
Control Test	0.085	15:55
Air Blank	0.000	15:56
Control Test	0.082	15:56
Air Blank	0.000	15:57
Control Test	0.083	15:58
Air Blank	0.000	15:58
Control Test Stats		
Average	0.0833	
Std Dev	0.0015	
Rel Std Dev(%)	1.8330	

Operator's Signature

ST PETERSBURG PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-005338
03/14/2018
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	16:05
Control Test	0.192	16:06
Air Blank	0.000	16:06
Control Test	0.195	16:07
Air Blank	0.000	16:08
Control Test	0.196	16:08
Air Blank	0.000	16:09
Control Test Stats		
Average	0.1943	
Std Dev	0.0021	
Rel Std Dev(%)	1.0712	

Operator's Signature

DGS

ST PETERSBURG PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-005338
03/14/2018
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	16:10
Control Test	0.090	16:10
Air Blank	0.000	16:11
Control Test	0.089	16:11
Air Blank	0.000	16:11
Control Test	0.087	16:12
Air Blank	0.000	16:12
Control Test Stats		
Average	0.0887	
Std Dev	0.0015	
Rel Std Dev(%)	1.7228	

Operator's Signature

3/28/18

Optical Bench Calibration Adjustment #1 Data #80-005338 St. Petersburg P.D.
3/19/18

ST PETERSBURG PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-005338
03/19/2018 10:23:43

Auto Calibration
Max Power Res Value = 53
Auto Range Res Value = 36

Sol Value = 0.000 g/210L ***
Fit value = 0.0000 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12530, 9um Io = 13550
<<<<< CHANNEL 1 >>>>>

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.0500	(-0.0090)
Sample #2 =	0.0060	(-0.1350)
Sample #3 =	0.0940	(-0.1170)
Sample #4 =	0.0570	(-0.1490)
Avg % Abs =	0.0523	(-0.1337)
STD DEV =	0.0442	(0.0160)
REL STD DEV =	84.430	(12.001)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.2000	(-0.0230)
Sample #2 =	0.1650	(-0.0920)
Sample #3 =	0.2000	(-0.0880)
Sample #4 =	0.1960	(-0.1110)
Avg % Abs =	0.1870	(-0.0970)
STD DEV =	0.0192	(0.0123)
REL STD DEV =	10.245	(12.668)

Sol Value = 0.040 g/210L ***
Fit value = 0.1905 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12553, 9um Io = 13565
<<<<< CHANNEL 1 >>>>>

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.7200	(-0.0170)
Sample #2 =	0.7760	(-0.0260)
Sample #3 =	0.7310	(-0.0300)
Sample #4 =	0.7430	(-0.0660)
Avg % Abs =	0.7500	(-0.0407)
STD DEV =	0.0233	(0.0220)
REL STD DEV =	3.107	(54.173)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.4910	(-0.0170)
Sample #2 =	1.5060	(-0.0170)
Sample #3 =	1.4970	(-0.0230)
Sample #4 =	1.5120	(-0.0310)
Avg % Abs =	1.5050	(-0.0237)
STD DEV =	0.0075	(0.0070)
REL STD DEV =	0.502	(29.678)

Sol Value = 0.100 g/210L ***
Fit value = 0.4762 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12549, 9um Io = 13561
<<<<< CHANNEL 1 >>>>>

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.8170	(-0.0010)
Sample #2 =	1.7230	(0.0220)
Sample #3 =	1.8150	(-0.0260)
Sample #4 =	1.7950	(0.0130)
Avg % Abs =	1.7777	(0.0030)
STD DEV =	0.0484	(0.0255)
REL STD DEV =	2.722	(850.490)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.4540	(-0.0140)
Sample #2 =	3.4220	(0.0140)
Sample #3 =	3.4930	(-0.0130)
Sample #4 =	3.4640	(0.0280)
Avg % Abs =	3.4597	(0.0097)
STD DEV =	0.0357	(0.0208)
REL STD DEV =	1.032	(215.593)

3/20/18

Sol Value = 0.200 g/210L ***
Fit value = 0.9524 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12548, 9um Io = 13555
<<<<< CHANNEL 1 >>>>>

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.5020	(-0.0020)
Sample #2 =	3.4810	(0.0490)
Sample #3 =	3.4940	(0.0680)
Sample #4 =	3.4530	(0.1190)
Avg % Abs =	3.4760	(0.0787)
STD DEV =	0.0210	(0.0362)
REL STD DEV =	0.603	(46.015)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	6.5750	(-0.0040)
Sample #2 =	6.5670	(0.0570)
Sample #3 =	6.5510	(0.0930)
Sample #4 =	6.5450	(0.1140)
Avg % Abs =	6.5543	(0.0860)
STD DEV =	0.0114	(0.0288)
REL STD DEV =	0.174	(32.758)

Sol Value = 0.300 g/210L ***
Fit value = 1.4286 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12526, 9um Io = 13547
<<<<< CHANNEL 1 >>>>>

Sample	% Abs	(% Abs Ref)
Sample #1 =	5.0650	(-0.0020)
Sample #2 =	5.0500	(0.0670)
Sample #3 =	5.0510	(0.0180)
Sample #4 =	5.1140	(0.0270)
Avg % Abs =	5.0717	(0.0373)
STD DEV =	0.0367	(0.0261)
REL STD DEV =	0.723	(69.866)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	9.4470	(0.0010)
Sample #2 =	9.3710	(0.1210)
Sample #3 =	9.3810	(0.0940)
Sample #4 =	9.4100	(0.1020)
Avg % Abs =	9.3873	(0.1057)
STD DEV =	0.0203	(0.0139)
REL STD DEV =	0.216	(13.125)

***** AUTO CAL DATA *****
<<<<< CHANNEL 1 >>>>>
Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.052
Std Dev = 0.04 Rel Std Dev = 84.43
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 0.750
Std Dev = 0.02 Rel Std Dev = 3.11
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 1.778
Std Dev = 0.05 Rel Std Dev = 2.72
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 3.476
Std Dev = 0.02 Rel Std Dev = 0.60
Sol Val = 1.4286 mg/l or 0.300 g/210L
% Abs = 5.072
Std Dev = 0.04 Rel Std Dev = 0.72
Zero Order Coef = -124.87
First Order Coef = 2672.66
Second Order Coef = 32.74
Standard Deviation = 26.786123

<<<<< CHANNEL 2 >>>>>
Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.187
Std Dev = 0.02 Rel Std Dev = 10.24
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 1.505
Std Dev = 0.01 Rel Std Dev = 0.50
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 3.460
Std Dev = 0.04 Rel Std Dev = 1.03
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 6.554
Std Dev = [illegible]
Sol Val = 1.4286 mg/l or 0.300 g/210L
% Abs = 9.387
Std Dev = 0.02 Rel Std Dev = 0.22
Zero Order Coef = -233.89
First Order Coef = 1376.22
Second Order Coef = 18.00
Standard Deviation = 28.027657

Solution Stats Quadratic Fit Char 1

Act g/210L	Fit g/210L	Residual g/210L
0.000	0.000	-0.0003
0.040	0.040	0.0001
0.100	0.099	0.0007
0.200	0.201	-0.0008
0.300	0.300	0.0003

Solution Stats Quadratic Fit Char 2

Act g/210L	Fit g/210L	Residual g/210L
0.000	0.001	-0.0005
0.040	0.039	0.0006
0.100	0.100	0.0004

Solution Stats Quadratic Fit Char 2

Act g/210L	Fit g/210L	Residual g/210L
0.000	0.001	-0.0005
0.040	0.039	0.0006
0.100	0.100	0.0004
0.200	0.201	-0.0008
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 = 3346.00
Sample #2 = 3339.00
Sample #3 = 3380.00
Sample #4 = 3512.00
Average Result = 3410.3333
STD DEV = 90.4010
REL STD DEV = 2.651
****
***** CHANNEL 2
Sample #1 = 3073.00
Sample #2 = 3145.00
Sample #3 = 3150.00
Sample #4 = 3173.00
Average Result = 3156.0000
STD DEV = 14.9332
REL STD DEV = 0.473
****
Dry Gas H2O Adjust Results **********
Barometric Pressure = 1007
3 um H2O Adjust (mg/l*10,000) = 399
9 um H2O Adjust (mg/l*10,000) = 453
**** AUTO CAL PASS

Post Calibration Adjustment #1
Stability Checks #80-005338 St. Petersburg P.D. 3/19/18 DMB

ST PETERSBURG PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-005338
03/19/2018
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	11:16
Control Test	0.048	11:17
Air Blank	0.000	11:17
Control Test	0.049	11:18
Air Blank	0.000	11:18
Control Test	0.048	11:19
Air Blank	0.000	11:20
Control Test Stats		
Average	0.0483	
Std Dev	0.0006	
Rel Std Dev(%)	1.1945	

DMB
Operator's Signature

3/20/18

ST PETERSBURG PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-005338
03/19/2018
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	11:11
Control Test	0.082	11:12
Air Blank	0.000	11:13
Control Test	0.081	11:13
Air Blank	0.000	11:14
Control Test	0.080	11:15
Air Blank	0.000	11:15
Control Test Stats		
Average	0.0810	
Std Dev	0.0010	
Rel Std Dev(%)	1.2346	

DMB
Operator's Signature

ST PETERSBURG PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-005338
03/19/2018
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	11:20
Control Test	0.201	11:21
Air Blank	0.000	11:21
Control Test	0.200	11:22
Air Blank	0.000	11:23
Control Test	0.200	11:23
Air Blank	0.000	11:24
Control Test Stats		
Average	0.2003	
Std Dev	0.0006	
Rel Std Dev(%)	0.2862	

DMB
Operator's Signature

DBS

ST PETERSBURG PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-005338
03/19/2018
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	11:25
Control Test	0.080	11:25
Air Blank	0.000	11:26
Control Test	0.079	11:26
Air Blank	0.000	11:27
Control Test	0.078	11:27
Air Blank	0.000	11:27
Control Test Stats		
Average	0.0790	
Std Dev	0.0010	
Rel Std Dev(%)	1.2658	

DMB
Operator's Signature

Optical Bench Calibration Adjustment #2 Data #80-005338 St. Petersburg P.D. 3/19/18 [illegible]

ST PETERSBURG PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-005338
03/19/2018 12:32:34

Auto Calibration
Max Power Res Value = 47
Auto Range Res Value = 28

Sol Value = 0.000 g/210L ***
Fit value = 0.0000 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12514, 9um Io = 13520

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.0660	(-0.0110)
Sample #2 =	0.0630	(0.0240)
Sample #3 =	0.0600	(0.0590)
Sample #4 =	0.0620	(0.0570)

Avg % Abs = 0.0617 (0.0467)
STD DEV = 0.0015 (0.0197)
REL STD DEV = 2.477 (42.119)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.1910	(-0.0220)
Sample #2 =	0.1690	(0.0000)
Sample #3 =	0.1750	(0.0040)
Sample #4 =	0.1920	(0.0070)

Avg % Abs = 0.1787 (0.0037)
STD DEV = 0.0119 (0.0035)
REL STD DEV = 6.677 (95.779)

Sol Value = 0.040 g/210L ***
Fit value = 0.1905 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12499, 9um Io = 13515

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.7720	(0.0040)
Sample #2 =	0.7380	(0.0460)
Sample #3 =	0.7870	(0.0450)
Sample #4 =	0.7660	(0.0740)

Avg % Abs = 0.7637 (0.0550)
STD DEV = 0.0246 (0.0165)
REL STD DEV = 3.209 (29.931)

3/20/18 [illegible]

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.4860	(-0.0070)
Sample #2 =	1.4910	(0.0050)
Sample #3 =	1.5060	(0.0070)
Sample #4 =	1.4890	(0.0200)

Avg % Abs = 1.4953 (0.0107)
STD DEV = 0.0093 (0.0081)
REL STD DEV = 0.621 (76.355)

Sol Value = 0.100 g/210L ***
Fit value = 0.4762 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12492, 9um Io = 13517

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.8360	(-0.0110)
Sample #2 =	1.8260	(0.0250)
Sample #3 =	1.7680	(0.0730)
Sample #4 =	1.7770	(0.0690)

Avg % Abs = 1.7903 (0.0557)
STD DEV = 0.0312 (0.0266)
REL STD DEV = 1.743 (47.844)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.4740	(0.0000)
Sample #2 =	3.4670	(0.0390)
Sample #3 =	3.4320	(0.0640)
Sample #4 =	3.4420	(0.0660)

Avg % Abs = 3.4470 (0.0563)
STD DEV = 0.0180 (0.0150)
REL STD DEV = 0.523 (26.706)

Sol Value = 0.200 g/210L ***
Fit value = 0.9524 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12485, 9um Io = 13512

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.5500	(-0.0100)
Sample #2 =	3.4690	(0.0790)
Sample #3 =	3.4650	(0.0910)
Sample #4 =	3.5050	(0.0800)

Avg % Abs = 3.4797 (0.0833)
STD DEV = 0.0220 (0.0067)
REL STD DEV = 0.633 (7.990)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	6.6520	(-0.0050)
Sample #2 =	6.5380	(0.0900)
Sample #3 =	6.5530	(0.1150)
Sample #4 =	6.6000	(0.1050)

Avg % Abs = 6.5637 (0.1033)
STD DEV = 0.0323 (0.0126)
REL STD DEV = 0.493 (12.177)

Sol Value = 0.300 g/210L ***
Fit value = 1.4286 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12474, 9um Io = 13502

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	5.1030	(-0.0130)
Sample #2 =	5.0660	(0.0480)
Sample #3 =	5.0810	(0.0490)
Sample #4 =	5.0530	(0.0610)

Avg % Abs = 5.0800 (0.0527)
STD DEV = 0.0135 (0.0072)
REL STD DEV = 0.266 (13.736)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	9.4840	(-0.0040)
Sample #2 =	9.4160	(0.0860)
Sample #3 =	9.4240	(0.1000)
Sample #4 =	9.4270	(0.1060)

Avg % Abs = 9.4223 (0.0973)
STD DEV = 0.0057 (0.0103)
REL STD DEV = 0.060 (10.544)

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

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

Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.062
Std Dev = 0.00 Rel Std Dev = 2.48
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 0.764
Std Dev = 0.02 Rel Std Dev = 3.22
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 1.790
Std Dev = 0.03 Rel Std Dev = 1.74
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 3.480
Std Dev = 0.02 Rel Std Dev = 0.57
Sol Val = 1.4286 mg/l or 0.300 g/210L
% Abs = 5.080
Std Dev = 0.01 Rel Std Dev = 0.27
Zero Order Coef = -157.59
First Order Coef = 2676.16
Second Order Coef = 32.54
Standard Deviation = 18.162596

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

Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.179
Std Dev = 0.01 Rel Std Dev = 6.88
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 1.495
Std Dev = 0.01 Rel Std Dev = 0.62
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 3.447
Std Dev = 0.02 Rel Std Dev = 0.52
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 6.564
Std Dev = 0.03 Rel Std Dev = 0.49
Sol Val = 1.4286 mg/l or 0.300 g/210L
% Abs = 9.422
Std Dev = 0.01 Rel Std Dev = 0.06
Zero Order Coef = -223.65
First Order Coef = 1382.50
Second Order Coef = 16.53
Standard Deviation = 29.453062

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	-0.0000
0.100	0.099	0.0005
0.200	0.201	-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	-0.0005
0.040	0.039	0.0005
0.100	0.100	0.0005
0.200	0.201	-0.0006
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 = 3255.00
Sample #2 = 3318.00
Sample #3 = 3277.00
Sample #4 = 3288.00
Average Result = 3294.3333
STD DEV = 21.2211
REL STD DEV = 0.644
****
***** CHANNEL 2
Sample #1 = 3032.00
Sample #2 = 3076.00
Sample #3 = 3092.00
Sample #4 = 3097.00
Average Result = 3088.2333
STD DEV = 10.9697
REL STD DEV = 0.355
****
Dry Gas H2O Adjust Results **********
Barometric Pressure = 1006
3 um H2O Adjust (mg/l*10,000) = 515
9 um H2O Adjust (mg/l*10,000) = 721
**** AUTO CAL PASS

Post Calibration Adjustment #2
Stability Checks #80-005338 St. Petersburg P.D. 3/19/18 RMB

ST PETERSBURG PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-005338
03/19/2018
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	13:38
Control Test	0.048	13:39
Air Blank	0.000	13:39
Control Test	0.049	13:40
Air Blank	0.000	13:41
Control Test	0.050	13:41
Air Blank	0.000	13:42
Control Test Stats		
Average	0.0490	
Std Dev	0.0010	
Rel Std Dev(%)	2.0408	

RMB
Operator's Signature

ST PETERSBURG PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-005338
03/19/2018
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	13:43
Control Test	0.080	13:44
Air Blank	0.000	13:44
Control Test	0.082	13:45
Air Blank	0.000	13:46
Control Test	0.081	13:46
Air Blank	0.000	13:47
Control Test Stats		
Average	0.0810	
Std Dev	0.0010	
Rel Std Dev(%)	1.2346	

RMB
Operator's Signature

ST PETERSBURG PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-005338
03/19/2018
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	13:50
Control Test	0.197	13:51
Air Blank	0.000	13:52
Control Test	0.199	13:52
Air Blank	0.000	13:53
Control Test	0.200	13:54
Air Blank	0.000	13:54
Control Test Stats		
Average	0.1987	
Std Dev	0.0015	
Rel Std Dev(%)	0.7689	

RMB
Operator's Signature

DGS

ST PETERSBURG PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-005338
03/19/2018
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	14:00
Control Test	0.085	14:00
Air Blank	0.000	14:00
Control Test	0.085	14:01
Air Blank	0.000	14:01
Control Test	0.085	14:02
Air Blank	0.000	14:02
Control Test Stats		
Average	0.0850	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

RMB
Operator's Signature

3/20/18

Post Cal Adjust #2
Additional INT Stability Checks

ST PETERSBURG PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-005338
03/19/2018
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	13:23
Control Test	INT*	13:23
Air Blank	0.000	13:24
Control Test	INT*	13:25
Air Blank	0.000	13:25
Control Test	INT*	13:26
Air Blank	0.000	13:26
Control Test	INT*	13:27
Air Blank	0.000	13:28
Control Test	INT*	13:28
Air Blank	0.000	13:29
Control Test	INT*	13:30
Air Blank	0.000	13:30
Control Test	INT*	13:31
Air Blank	0.000	13:31
Control Test	INT*	13:32
Air Blank	0.000	13:33
Control Test	INT*	13:33
Air Blank	0.000	13:34
Control Test	INT*	13:35
Air Blank	0.000	13:35

Control Test Stats

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

*Interferent Detect

Operator's Signature

3/20/18
JD

Return Material Authorization

Ship to: ☐ CMI, Inc.

☑ Enforcement Electronics

Shipment to repair facility authorized by: Mike Weiskopf on 03/19/2018

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

Instrument Model: Intoxilyzer 8000 Serial Number: 80-005338

Bill To Address:	Ship to Address:
St. Petersburg Police Department	Attn: Danielle Bell
1300 First Avenue North	Florida Department of Law Enforcement
St. Petersburg, FL 33705	Alcohol Testing Program
	2331 Phillips Rd
	Tallahassee, FL 32308

Reason for Return:

Please see attached calibration adjustments. After reading 0.090 on the dry gas upon receipt in our lab (although was working fine prior to shipment), instrument was opt. bench cal adjusted and then would miss INT detection on 2 out of 10 runs. I readjusted and this time the dry gas went back to reading high (0.085). Light source issue?

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: Mike Weiskopf

Phone #: (727) 893-7099 Email: Michael.Weiskopf@stpete.org

ATP Contact Name: Danielle Bell ATP Email: DanielleBell@fdle.state.fl.us

3/20/18