FDLE

Florida Department of Law Enforcement

INSTRUMENT PROCESSING SHEET

Agency __Florida Highway Patrol Troop L__   S/N __80-006762__

Date In __10/27/2020__   DI Completion Date __11/4/2020__   ☑Ship ☐P/U ☐H/D ☐CMI ☐EE

Intake   Performed By __DERR__

☑ 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: __Tank holder was off__
__Lose screws on dry gas__
__regulator__

Final Release Date

FDLE Alcohol Testing Program

Digitally signed by FDLE Alcohol Testing Program Date: 2020.11.05 10:13:39 -05'00'

Quality Checks   Performed By __DERR__

☑ Breath Tube Screen
☑ Replace External O-Rings
☑ Instrument Set Up Verified
☑ R-Value __229__
☑ Flow Verification (L/s)
Flow Column # __ATP 104__

32 mm	0.148	(.139 - .169)
36 mm	0.164	(.156 - .190)
53 mm	0.234	(.228 - .278)
103 mm	0.507	(.447 - .547)

☑ Barometric Pressure Check
Gauge ID # __28663__
☑ Stability Checks

Simulator	Serial #	Lot #/Exp
0.050	SD3967	201905A 05/14/2021
0.080	SD3968	201905B 05/14/2021
0.200	SD3969	201904D 04/30/2021
0.080 DGS	N/A	AG003005 1/30/2022

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 __DERR__

☐ Battery Replacement
☐ Dry Gas Regulator Replacement
☐ Breath Tube Replacement
☑ Other __Attached tank holder/__

Temperature Checks   Performed By __DERR__

☑ Lab Temp °C __22.87C__
External Digital Therm. ID#: __300918__
☑ 34°C +-.2 Serial #: __SD3967__
☑ 34°C +-.2 Serial #: __SD3968__
☑ 34°C +-.2 Serial #: __SD3969__

Calibration Adjustment   Performed By __DERR__

Barometric Pressure Gauge __1019__   ID # __68639__

Simulator	Serial Number	Lot Number	Expiration
0.000	MP5095	N/A	N/A
0.040	MP5098	20060	02/10/2022
0.100	MP5099	20190	04/06/2022
0.200	MP5100	20160	03/18/2022
0.300	MP5101	20030	01/21/2022
0.080 DGS	N/A	08819080A1	06/05/2021

☑ Post Calibration Adjustment Stability Checks

Simulator	Serial Number	Lot Number	Expiration
0.050	SD3967	201905A	05/14/2021
0.080	SD3968	201905B	05/14/2021
0.200	SD3969	201904D	04/30/2021
0.080 DGS	N/A	AG003005	01/30/2022

Department Inspection   Performed By __DERR__

Barometric Pressure ID# __28199__
Gauge __1021__   Instrument __1020__
Mouth Alcohol Solution Lot # __2019B__
Acetone Stock Solution Lot # __2019A__

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

Attachments

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

Notes/Suggested Service: __Optical calibration to bring__
__values closer to nominal. Continued from Mainte-__
__nance section: Secured lose dry gas regulator.__
__Required a second optical calibration to bring__
__values closer to nominal.__

☑ 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 11-04-2020   2020.11.05 09:58:4 6 -05'00'
Tech Review / Date   Admin Review / Date

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

Calibration Certificate

This is to certify the calibration of Intoxilyzer 8000 serial number 80-006762 , manufactured by CMI, Inc. was calibrated in accordance with FDLE/ATP Form 36 - Department Inspection Procedures - Intoxilyzer 8000.

Serial Number:	80-006762		UNCERTAINTY* ±
Owning Agency:	FHP TROOP L	0.050 g/ 210 L	0.004
Calibration Date:	11/04/2020	0.080 g/ 210 L	0.005
Calibration Time:	00:28	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. 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.
This document shall not be reproduced except in full, without written approval of the Florida Department of Law Enforcement Alcohol Testing Program.

11/04/2020
_____
Date

DAVID E REYES-RIVERA,
Department Inspector

2020.11.05
09:57:0
7 -05'00'

Florida Department of Law Enforcement
Alcohol Testing Program

DEPARTMENT INSPECTION REPORT - INTOXILYZER 8000

Agency: FHP TROOP L
Time of Inspection: 00:28   Date of Inspection: 11/04/2020
Serial Number: 80-006762
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#:201905A Exp: 05/14/2021	0.08g/210L Test (g/210L) Lot#:201905B Exp: 05/14/2021	0.20g/210L Test (g/210L) Lot#:201904D Exp: 04/30/2021	0.08 g/210L Dry Gas Std Test (g/210L) Lot#:AG003005 Exp: 01/30/2022
0.000	0.047	0.078	0.196	0.080
0.000	0.048	0.078	0.196	0.080
0.000	0.047	0.078	0.197	0.080
0.000	0.048	0.078	0.197	0.080
0.000	0.048	0.078	0.197	0.080
0.000	0.048	0.078	0.197	0.080
0.000	0.048	0.078	0.197	0.080
0.000	0.048	0.077	0.197	0.080
0.000	0.048	0.078	0.197	0.080
0.000	0.048	0.078	0.197	0.080
Standard Deviations	0.0004	0.0003	0.0004	0.0000

Average Standard Deviation of 0.05, 0.08 and 0.20 g/210L Tests: 0.0002   Number of Simulators Used: 5

Remarks:

2020.11.05
09:56:15 -05'00'

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.

_____   DAVID E REYES-RIVERA
Signature and Printed Name

11/04/2020
Date

Type of Test	Serial Number	Agency	Date	Performed By
Post Stabilities 2	80-006762	Florida Highway Patrol Troop L	11/3/2020	DERR

0.05g/210L   ☑
0.047 to 0.053

```
FHP TROOP L
Intoxilyzer - Alcohol Analyzer
Model 8000              SN 80-006762
11/03/2020
Software: 8100.27

Test          g/210L      Time
Air Blank     0.000       20:45
Control Test  0.047       20:45
Air Blank     0.000       20:46
Control Test  0.048       20:47
Air Blank     0.000       20:47
Control Test  0.048       20:48
Air Blank     0.000       20:48
Control Test Stats
Average       0.0477
Std Dev       0.0006
Rel Std Dev(%) 1.2112
```

Operator's Signature

0.08g/210L   ☑
0.077 to 0.083

```
FHP TROOP L
Intoxilyzer - Alcohol Analyzer
Model 8000              SN 80-006762
11/03/2020
Software: 8100.27

Test          g/210L      Time
Air Blank     0.000       20:50
Control Test  0.077       20:50
Air Blank     0.000       20:51
Control Test  0.078       20:52
Air Blank     0.000       20:52
Control Test  0.079       20:53
Air Blank     0.000       20:53
Control Test Stats
Average       0.0780
Std Dev       0.0010
Rel Std Dev(%) 1.2821
```

Operator's Signature

0.20g/210L   ☑
0.194 to 0.206

```
FHP TROOP L
Intoxilyzer - Alcohol Analyzer
Model 8000              SN 80-006762
11/03/2020
Software: 8100.27

Test          g/210L      Time
Air Blank     0.000       20:55
Control Test  0.197       20:55
Air Blank     0.000       20:56
Control Test  0.198       20:57
Air Blank     0.000       20:57
Control Test  0.197       20:58
Air Blank     0.000       20:58
Control Test Stats
Average       0.1973
Std Dev       0.0006
Rel Std Dev(%) 0.2926
```

Operator's Signature

DGS 0.08g/210L   ☑
0.077 to 0.083

```
FHP TROOP L
Intoxilyzer - Alcohol Analyzer
Model 8000              SN 80-006762
11/03/2020
Software: 8100.27

Test          g/210L      Time
Air Blank     0.000       21:00
Control Test  0.080       21:00
Air Blank     0.000       21:00
Control Test  0.080       21:01
Air Blank     0.000       21:01
Control Test  0.080       21:02
Air Blank     0.001       21:02
Control Test Stats
Average       0.0800
Std Dev       0.0000
Rel Std Dev(%) 0.0000
```

Operator's Signature

2020.11.
05
09:55:27
-05'00'

FHP TROOP L
Intoxilyzer - Alcohol Analyzer
Model 8000   SN 80-006762
.11/03/2020   19:47:04

Auto Calibration
Max Power Res Value = 47
Auto Range Res Value = 34

Sol Value = 0.000 g/210L ***
Fit value = 0.0000 mg/l %%%%
Samples Taken = 4, Discarded = 1
9um Io = 12683, 9um Io = 13244
<<<<< CHANNEL 1 >>>>>

Sample   % Abs   (% Abs Ref)
Sample #1 = 0.1050   (-0.0140)
Sample #2 = 0.1100   (-0.0320)
Sample #3 = 0.0810   (-0.0090)
Sample #4 = 0.1100   (0.0000)
Avg % Abs = 0.1003   (-0.0137)
STD DEV = 0.0167   (0.0165)
REL STD DEV = 16.688 (120.750)

<<<<< CHANNEL 2 >>>>>
Sample   % Abs   (% Abs Ref)
Sample #1 = 0.1410   (-0.0060)
Sample #2 = 0.1270   (-0.0120)
Sample #3 = 0.1260   (-0.0040)
Sample #4 = 0.1390   (-0.0020)
Avg % Abs = 0.1307   (-0.0060)
STD DEV = 0.0072   (0.0053)
REL STD DEV = 5.556 (88.192)

Sol Value = 0.040 g/210L ***
Fit value = 0.1905 mg/l %%%%
Samples Taken = 4, Discarded = 1
9um Io = 12683, 9um Io = 13245
<<<<< CHANNEL 1 >>>>>
Sample   % Abs   (% Abs Ref)
Sample #1 = 0.8680   (-0.0150)
Sample #2 = 0.8230   (0.0120)
Sample #3 = 0.8250   (0.0100)
Sample #4 = 0.8210   (0.0220)
Avg % Abs = 0.8230   (0.0147)
STD DEV = 0.0020   (0.0064)
REL STD DEV = 0.243 (43.835)

<<<<< CHANNEL 2 >>>>>
Sample   % Abs   (% Abs Ref)
Sample #1 = 1.5690   (0.0010)
Sample #2 = 1.5500   (0.0000)
Sample #3 = 1.5440   (0.0110)
Sample #4 = 1.5450   (0.0020)
Avg % Abs = 1.5463   (0.0059)
STD DEV = 0.0032   (0.0059)
REL STD DEV = 0.208 (135.218)

Sol Value = 0.100 g/210L ***
Fit value = 0.4762 mg/l %%%%
Samples Taken = 4, Discarded = 1
9um Io = 12680, 9um Io = 13243
<<<<< CHANNEL 1 >>>>>
Sample   % Abs   (% Abs Ref)
Sample #1 = 1.9220   (-0.0030)
Sample #2 = 1.9470   (-0.0100)
Sample #3 = 1.9550   (0.0120)
Sample #4 = 1.9490   (0.0030)
Avg % Abs = 1.9503   (0.0010)
STD DEV = 0.0042   (0.0177)
REL STD DEV = 0.213 (173.205)

<<<<< CHANNEL 2 >>>>>
Sample   % Abs   (% Abs Ref)
Sample #1 = 3.5580   (0.0000)
Sample #2 = 3.6020   (-0.0040)
Sample #3 = 3.6010   (-0.0070)
Sample #4 = 3.6120   (-0.0030)
Avg % Abs = 3.6050   (-0.0047)
STD DEV = 0.0061   (0.0021)
REL STD DEV = 0.169 (44.507)

Sol Value = 0.200 g/210L ***
Fit value = 0.9524 mg/l %%%%
Samples Taken = 4, Discarded = 1
9um Io = 12674, 9um Io = 13242
<<<<< CHANNEL 1 >>>>>
Sample   % Abs   (% Abs Ref)
Sample #1 = 3.6760   (-0.0080)
Sample #2 = 3.7230   (-0.0310)
Sample #3 = 3.7240   (-0.0240)
Sample #4 = 3.7060   (0.0020)
Avg % Abs = 3.7177   (-0.0177)
STD DEV = 0.0101   (0.0174)
REL STD DEV = 0.272 (98.421)

<<<<< CHANNEL 2 >>>>>
Sample   % Abs   (% Abs Ref)
Sample #1 = 6.8440   (-0.0030)
Sample #2 = 6.8370   (0.0040)
Sample #3 = 6.8400   (0.0090)
Sample #4 = 6.8370   (0.0120)
Avg % Abs = 6.8380   (0.0083)
STD DEV = 0.0017   (0.0040)
REL STD DEV = 0.025 (48.497)

Sol Value = 0.300 g/210L ***
Fit value = 1.4286 mg/l %%%%
Samples Taken = 4, Discarded = 1
9um Io = 12674, 9um Io = 13241
<<<<< CHANNEL 1 >>>>>
Sample   % Abs   (% Abs Ref)
Sample #1 = 5.3440   (-0.0030)
Sample #2 = 5.3510   (-0.0100)
Sample #3 = 5.3290   (0.0120)
Sample #4 = 5.3520   (-0.0060)
Avg % Abs = 5.3440   (-0.0013)
STD DEV = 0.0130   (0.0117)
REL STD DEV = 0.243 (878.920)

<<<<< CHANNEL 2 >>>>>
Sample   % Abs   (% Abs Ref)
Sample #1 = 9.8290   (-0.0100)
Sample #2 = 9.8170   (0.0080)
Sample #3 = 9.8110   (0.0140)
Sample #4 = 9.8140   (-0.0020)
Avg % Abs = 9.8140   (0.0067)
STD DEV = 0.0030   (0.0081)
REL STD DEV = 0.031 (121.244)

***** AUTO CAL DATA *****
<<<<< CHANNEL 1 >>>>>
Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs =   0.100
Std Dev = 0.02 Rel Std Dev = 16.69
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs =   0.823
Std Dev = 0.00 Rel Std Dev = 0.24
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs =   1.950
Std Dev = 0.00 Rel Std Dev = 0.21
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs =   3.718
Std Dev = 0.01 Rel Std Dev = 0.27
Sol Val = 1.4286 mg/l or 0.300 g/210L
% Abs =   5.344
Std Dev = 0.01 Rel Std Dev = 0.24
Zero Order Coef = -201.10
First Order Coef = 2444.33
Second Order Coef = 49.23
Standard Deviation = 44.518257

<<<<< CHANNEL 2 >>>>>
Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs =   0.131
Std Dev = 0.01 Rel Std Dev = 5.54
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs =   1.546
Std Dev = 0.00 Rel Std Dev = 0.21
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs =   3.605
Std Dev = 0.01 Rel Std Dev = 0.17
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs =   6.838
Std Dev = 0.00 Rel Std Dev = 0.03
Sol Val = 1.4286 mg/l or 0.300 g/210L
% Abs =   9.814
Std Dev = 0.00 Rel Std Dev = 0.03
Zero Order Coef = -158.00
First Order Coef = 1298.43
Second Order Coef = 17.58
Standard Deviation = 14.465942

| Solution Stats Quadratic Fit Chan 1 |
Act	Fit	Residual
g/210L	g/210L	g/210L
0.000	0.001	-0.0009
0.040	0.039	0.0013
0.100	0.100	0.0002
0.200	0.201	-0.0009
0.300	0.300	0.0004

***** AUTO CAL DATA *****
<<<<< CHANNEL 1 >>>>>
Sol Value = 0.080 g/210L ***
Fit value = 0.3810 mg/l %%%%
Samples Taken = 4, Discarded = 1
***** CHANNEL 1
Sample #1 = 3094.00
Sample #2 = 3084.00
Sample #3 = 3043.00
Sample #4 = 3065.00
Average Result = 3064.0000
STD DEV = 20.5183
REL STD DEV = 0.670
****
***** CHANNEL 2
Sample #1 = 3274.00
Sample #2 = 3258.00
Sample #3 = 3263.00
Sample #4 = 3272.00
Average Result = 3264.3333
STD DEV = -7.0946
REL STD DEV = 1.217

Dry Gas H2O Adjust Results *********
Barometric Pressure = 1020
3 um H2O Adjust (mg/1*10,000) = 745
9 um H2O Adjust (mg/1*10,000) = 545
**** AUTO CAL PASS

| Solution Stats Quadratic Fit Chan 2 |
Act	Fit	Residual
g/210L	g/210L	g/210L
0.000	0.000	-0.0003
0.040	0.040	0.0003
0.100	0.100	0.0002
0.200	0.200	-0.0004
0.300	0.300	0.0002

Optical Calibration 2	
SN:	80-006762
Agency:	FHP Troop L
Date:	11/3 /2020
Quadratic Fit:	+/- 0.002g/210L
By:	DERR

2020.11.
05
09:54:56
-05'00'

2020.11.0
5
09:54:26 -05'00'

Type of Test	Serial Number	Agency	Date	Performed By
Post Stabilities	80-006762	Florida Highway Patrol Troop L	11/3/2020	DERR

0.05g/210L
0.047 to 0.053 ☒

```
FHP TROOP L
Intoxilyzer - Alcohol Analyzer
Model 8000              SN 80-006762
11/03/2020
Software: 8100.27

Test            g/210L      Time
----------------------------------
Air Blank       0.000       19:22
Control Test    0.046       19:23
Air Blank       0.000       19:24
Control Test    0.046       19:24
Air Blank       0.000       19:25
Control Test    0.047       19:26
Air Blank       0.000       19:26
Control Test Stats
Average         0.0463
Std Dev         0.0006
Rel Std Dev(%)  1.2461
```

_____
Operator's Signature

0.08g/210L
0.077 to 0.083 ✓

```
FHP TROOP L
Intoxilyzer - Alcohol Analyzer
Model 8000              SN 80-006762
11/03/2020
Software: 8100.27

Test            g/210L      Time
----------------------------------
Air Blank       0.000       19:28
Control Test    0.077       19:29
Air Blank       0.000       19:30
Control Test    0.077       19:30
Air Blank       0.000       19:31
Control Test    0.077       19:31
Air Blank       0.000       19:32
Control Test Stats
Average         0.0770
Std Dev         0.0000
Rel Std Dev(%)  0.0000
```

_____
Operator's Signature

0.20g/210L
0.194 to 0.206 ✓

```
FHP TROOP L
Intoxilyzer - Alcohol Analyzer
Model 8000              SN 80-006762
11/03/2020
Software: 8100.27

Test            g/210L      Time
----------------------------------
Air Blank       0.000       19:34
Control Test    0.196       19:35
Air Blank       0.000       19:35
Control Test    0.196       19:36
Air Blank       0.000       19:36
Control Test    0.197       19:37
Air Blank       0.000       19:37
Control Test Stats
Average         0.1963
Std Dev         0.0006
Rel Std Dev(%)  0.2941
```

_____
Operator's Signature

DGS 0.08g/210L
0.077 to 0.083 ✓

```
FHP TROOP L
Intoxilyzer - Alcohol Analyzer
Model 8000              SN 80-006762
11/03/2020
Software: 8100.27

Test            g/210L      Time
----------------------------------
Air Blank       0.000       19:39
Control Test    0.080       19:39
Air Blank       0.000       19:39
Control Test    0.080       19:40
Air Blank       0.000       19:40
Control Test    0.079       19:41
Air Blank       0.000       19:41
Control Test Stats
Average         0.0797
Std Dev         0.0006
Rel Std Dev(%)  0.7247
```

_____
Operator's Signature

2020.11.
05
09:53:55
-05'00'

```
HP TROOP L
Intoxilyzer - Alcohol Analyzer
                        SN 80-006762
Model 8000
11/03/2020              17:56:51

Auto Calibration
3x Power Res Value = 47
Auto Range Res Value = 34

Sol Value = 0.000 g/210L ***
Fit value = 0.0000 mg/1 ****
Samples Taken = 4, Discarded = 1
Zum Io = 12764, 9um Io = 13286
   <<<<< CHANNEL 1 >>>>>
Sample      % Abs    (% Abs Ref)
Sample H1 = 0.1230   (-0.0140)
Sample H2 = 0.1340   (0.0140)
Sample H3 = 0.1290   (0.0430)
Sample H4 = 0.0810   (0.0030)
Avg % Abs = 0.1147   (0.0457)
STD DEV = 0.0293   (0.0346)
REL STD DEV = 25.520  (74.241)

   <<<<< CHANNEL 2 >>>>>
Sample      % Abs    (% Abs Ref)
Sample H1 = 0.1720   (-0.0140)
Sample H2 = 0.1690   (0.0040)
Sample H3 = 0.1750   (0.0070)
Sample H4 = 0.1350   (0.0260)
Avg % Abs = 0.1610   (0.0123)
STD DEV = 0.0193   (0.0119)
REL STD DEV = 11.980  (96.733)

Sol Value = 0.040 g/210L ***
Fit value = 0.1905 mg/1 ****
Samples Taken = 4, Discarded = 1
Zum Io = 12748, 9um Io = 13278
   <<<<< CHANNEL 1 >>>>>
Sample      % Abs    (% Abs Ref)
Sample H1 = 0.8550   (-0.0180)
Sample H2 = 0.8480   (0.0300)
Sample H3 = 0.8530   (0.0280)
Sample H4 = 0.8570   (0.0310)
Avg % Abs = 0.8517   (0.0297)
STD DEV = 0.0047   (0.0115)
REL STD DEV = 0.555  (5.149)
```

```
   <<<<< CHANNEL 2 >>>>>
Sample      % Abs    (% Abs Ref)
Sample H1 = 1.5620   (-0.0040)
Sample H2 = 1.5670   (0.0700)
Sample H3 = 1.5610   (0.0500)
Sample H4 = 1.5720   (0.0200)
Avg % Abs = 1.5667   (0.0047)
STD DEV = 0.0055   (0.0025)
REL STD DEV = 0.352  (53.927)

Sol Value = 0.100 g/210L ***
Fit value = 0.4762 mg/1 ****
Samples Taken = 4, Discarded = 1
Zum Io = 12731, 9um Io = 13268
   <<<<< CHANNEL 1 >>>>>
Sample      % Abs    (% Abs Ref)
Sample H1 = 1.9130   (-0.0110)
Sample H2 = 1.9510   (-0.0110)
Sample H3 = 1.9330   (0.0220)
Sample H4 = 1.9400   (0.0310)
Avg % Abs = 1.9413   (0.0140)
STD DEV = 0.0391   (0.0221)
REL STD DEV = 0.467  (157.952)

   <<<<< CHANNEL 2 >>>>>
Sample      % Abs    (% Abs Ref)
Sample H1 = 3.5800   (0.0150)
Sample H2 = 3.6110   (-0.0040)
Sample H3 = 3.6070   (0.0300)
Sample H4 = 3.5950   (0.0190)
Avg % Abs = 3.6027   (0.0060)
STD DEV = 0.0095   (0.0118)
REL STD DEV = 0.262  (196.497)

Sol Value = 0.200 g/210L ***
Fit value = 0.9524 mg/1 ****
Samples Taken = 4, Discarded = 1
Zum Io = 12725, 9um Io = 13267
   <<<<< CHANNEL 1 >>>>>
Sample      % Abs    (% Abs Ref)
Sample H1 = 3.7080   (-0.0070)
Sample H2 = 3.7320   (-0.0080)
Sample H3 = 3.6780   (0.0390)
Sample H4 = 3.7040   (0.0220)
Avg % Abs = 3.7040   (0.0177)
STD DEV = 0.0271   (0.0238)
REL STD DEV = 0.730  (134.704)
```

```
   <<<<< CHANNEL 2 >>>>>
Sample      % Abs    (% Abs Ref)
Sample H1 = 6.8790   (-0.0050)
Sample H2 = 6.8770   (0.0400)
Sample H3 = 6.8350   (0.0270)
Sample H4 = 6.8480   (0.0180)
Avg % Abs = 6.8547   (0.0163)
STD DEV = 0.0199   (0.0116)
REL STD DEV = 0.290  (70.561)

Sol Value = 0.300 g/210L ***
Fit value = 1.4286 mg/1 ****
Samples Taken = 4, Discarded = 1
Zum Io = 12717, 9um Io = 13263
   <<<<< CHANNEL 1 >>>>>
Sample      % Abs    (% Abs Ref)
Sample H1 = 5.3640   (-0.0020)
Sample H2 = 5.3620   (0.0000)
Sample H3 = 5.3640   (0.0400)
Sample H4 = 5.3980   (0.0460)
Avg % Abs = 5.3747   (0.0060)
STD DEV = 0.0202   (0.0072)
REL STD DEV = 0.376  (120.186)

   <<<<< CHANNEL 2 >>>>>
Sample      % Abs    (% Abs Ref)
Sample H1 = 9.8690   (-0.0700)
Sample H2 = 9.8430   (0.0110)
Sample H3 = 9.8450   (0.0170)
Sample H4 = 9.8440   (0.0180)
Avg % Abs = 9.8440   (0.0153)
STD DEV = 0.0110   (0.0390)
REL STD DEV = 0.010  (24.691)
```

```
***** AUTO CAL DATA *****
  <<<<< CHANNEL 1 >>>>>
Sol Val = 0.0000 mg/1 or 0.000 g/210L
  % Abs =    0.115
Std Dev = 0.03 Rel Std Dev = 25.32
Sol Val = 0.1905 mg/1 or 0.040 g/210L
  % Abs =    0.852
Std Dev = 0.00 Rel Std Dev = 0.55
Sol Val = 0.4762 mg/1 or 0.100 g/210L
  % Abs =    1.941
Std Dev = 0.01 Rel Std Dev = 0.47
Sol Val = 0.9524 mg/1 or 0.200 g/210L
  % Abs =    3.704
Std Dev = 0.03 Rel Std Dev = 0.73
Sol Val = 1.4286 mg/1 or 0.300 g/210L
  % Abs =    5.375
Std Dev = 0.02 Rel Std Dev = 0.38
Zero Order Coef = -279.61
First Order Coef = 2524.31
Second Order Coef = 34.32
Standard Deviation = 13.066789

  <<<<< CHANNEL 2 >>>>>
Sol Val = 0.0000 mg/1 or 0.000 g/210L
  % Abs =    0.161
Std Dev = 0.02 Rel Std Dev = 11.98
Sol Val = 0.1905 mg/1 or 0.040 g/210L
  % Abs =    1.567
Std Dev = 0.01 Rel Std Dev = 0.35
Sol Val = 0.4762 mg/1 or 0.100 g/210L
  % Abs =    3.604
Std Dev = 0.01 Rel Std Dev = 0.26
Sol Val = 0.9524 mg/1 or 0.200 g/210L
  % Abs =    6.855
Std Dev = 0.02 Rel Std Dev = 0.29
Sol Val = 1.4286 mg/1 or 0.300 g/210L
  % Abs =    9.844
Std Dev = 0.00 Rel Std Dev = 0.01
Zero Order Coef = -199.55
First Order Coef = 1313.06
Second Order Coef = 15.98
Standard Deviation = 20.065521
```

```
Solution Stats Quadratic Fit Chan 2
  Act       Fit      Residual
 g/210L    g/210L    g/210L
 0.000     0.000    -0.0003
 0.040     0.040     0.0002
 0.100     0.100     0.0005
 0.200     0.201    -0.0006
 0.300     0.300     0.0002

Sol Value = 0.080 g/210L ***
Fit value = 0.3810 mg/1 ****
Samples Taken = 4, Discarded = 1
===== CHANNEL 1 ======
Sample H1 = 3093.00
Sample H2 = 3106.00
Sample H3 = 3151.00
Sample H4 = 3113.00
Average Result = 3123.3333
STD DEV = 24.2143
REL STD DEV = 0.775
========= CHANNEL 2 ========
Sample H1 = 3252.00
Sample H2 = 3254.00
Sample H3 = 3268.00
Sample H4 = 3265.00
Average Result = 3262.3333
STD DEV = 7.3711
REL STD DEV = 0.226
========= 
Dry Gas H2O Adjust Results =========
Barometric Pressure = 1020
3 um H2O Adjust (mg/1*10,000) = 686
9 um H2O Adjust (mg/1*10,000) = 547
**** AUTO CAL PASS
```

```
Solution Stats Quadratic Fit Chan 1
  Act       Fit      Residual
 g/210L    g/210L    g/210L
 0.000     0.000    -0.0002
 0.040     0.040     0.0002
 0.100     0.100     0.0002
 0.200     0.200    -0.0004
 0.300     0.300     0.0001
```

Optical Calibration	
SN:	80-006762
Agency:	FHP Troop L
Date:	11/3/2020
Quadratic Fit:	+/- 0.002g/210L
By:	DERR

Type of Test	Serial Number	Agency	Date	Performed By
Stabilities	80-006762	Florida Highway Patrol Troop L	10/27/2020	DERR

2020.11.0
5 09:53:25
-0500'

0.05g/210L — 0.047 to 0.053 [X]

```
FHP TROOP L
Intoxilyzer - Alcohol Analyzer
Model 8000          SN 80-006762
10/27/2020
Software: 8100.27

Test                g/210L    Time
Air Blank           0.000     14:27
Control Test        0.045     14:28
Air Blank           0.000     14:29
Control Test        0.046     14:29
Air Blank           0.000     14:30
Control Test        0.046     14:30
Air Blank           0.000     14:31
Control Test Stats
Average             0.0457
Std Dev             0.0006
Rel Std Dev(%)      1.2643
```

Operator's Signature

0.08g/210L — 0.077 to 0.083 [X]

```
FHP TROOP L
Intoxilyzer - Alcohol Analyzer
Model 8000          SN 80-006762
10/27/2020
Software: 8100.27

Test                g/210L    Time
Air Blank           0.000     14:32
Control Test        0.075     14:33
Air Blank           0.000     14:33
Control Test        0.076     14:34
Air Blank           0.000     14:34
Control Test        0.077     14:35
Air Blank           0.000     14:36
Control Test Stats
Average             0.0760
Std Dev             0.0010
Rel Std Dev(%)      1.3158
```

Operator's Signature

0.20g/210L — 0.194 to 0.206 [X]

```
FHP TROOP L
Intoxilyzer - Alcohol Analyzer
Model 8000          SN 80-006762
10/27/2020
Software: 8100.27

Test                g/210L    Time
Air Blank           0.000     14:36
Control Test        0.193     14:37
Air Blank           0.000     14:38
Control Test        0.193     14:38
Air Blank           0.000     14:39
Control Test        0.194     14:40
Air Blank           0.000     14:40
Control Test Stats
Average             0.1933
Std Dev             0.0006
Rel Std Dev(%)      0.2986
```

Operator's Signature

DGS 0.08g/210L — 0.077 to 0.083 [✓]

```
FHP TROOP L
Intoxilyzer - Alcohol Analyzer
Model 8000          SN 80-006762
10/27/2020
Software: 8100.27

Test                g/210L    Time
Air Blank           0.000     14:42
Control Test        0.078     14:42
Air Blank           0.000     14:43
Control Test        0.079     14:43
Air Blank           0.000     14:44
Control Test        0.078     14:44
Air Blank           0.000     14:44
Control Test Stats
Average             0.0783
Std Dev             0.0006
Rel Std Dev(%)      0.7370
```

Operator's Signature