FDLE
Florida Department of Law Enforcement

INSTRUMENT PROCESSING SHEET

Agency Florida Wildlife Conservation Commission S/N 80-007168

Date In 11/3/2020 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:

Final Release Date

FDLE Alcohol Testing Program

Digitally signed by FDLE Alcohol Testing Program
Date: 2020.11.05 10:40:31 -05'00'

Quality Checks Performed By DERR

☑ Breath Tube Screen
☑ Replace External O-Rings
☑ Instrument Set Up Verified
☑ R-Value 233
☑ Flow Verification (L/s)
Flow Column # ATP 104
32 mm 0.158 (.139 - .169)
36 mm 0.175 (.156 - .190)
53 mm 0.242 (.228 - .278)
103 mm 0.519 (.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

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

Temperature Checks Performed By DERR

☑ Lab Temp °C 23.19C
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 1020 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
☑ Stability Checks
☑ Calibration Certificate
☑ Calibration Adjustment
☑ Post-Stability Checks
☐ Flow Calibration
☐ Form 40
☐ Other

Notes/Suggested Service: Optical calibration to bring values closer to nominal, first attempt quadratic fit on channel 1 showed a 0.0026 for the 0.040 so another calibration was required.

☑ **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 Tech Review / Date

2020.11.05 10:39:01 -05'00' Admin Review / Date

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 80-007168 , manufactured by CMI, Inc. was calibrated in accordance with FDLE/ATP Form 36 - Department Inspection Procedures - Intoxilyzer 8000.

Serial Number:	80-007168
Owning Agency:	FWCC
Calibration Date:	11/04/2020
Calibration Time:	00:08

	UNCERTAINTY* ±
0.050 g/ 210 L	0.004
0.080 g/ 210 L	0.005
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.

11/04/2020
Date

DAVID E REYES-RIVERA,
Department Inspector

2020.11.05 10:38:29 -05'00'

Florida Department of Law Enforcement
Alcohol Testing Program

DEPARTMENT INSPECTION REPORT - INTOXILYZER 8000

Agency: FWCC
Time of Inspection: 00:08 Date of Inspection: 11/04/2020
Serial Number: 80-007168
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	0.048	0.078	0.197	0.079
0.000	0.048	0.079	0.198	0.079
0.000	0.048	0.079	0.198	0.079
0.000	0.049	0.078	0.198	0.079
0.000	0.049	0.079	0.198	0.079
0.000	0.048	0.079	0.198	0.079
0.000	0.048	0.078	0.198	0.079
0.000	0.049	0.078	0.198	0.079
0.000	0.049	0.079	0.198	0.079
0.000	0.049	0.079	0.198	0.079

Standard Deviations	0.0005	0.0005	0.0003	0.0000

Average Standard Deviation of 0.05, 0.08 and 0.20 g/210L Tests: 0.0003 Number of Simulators Used: 5

Remarks:

2020.11.05 10:37:58 -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

FDLE/ATP Form 41 –Revised August 2005

Type of Test	Serial Number	Agency	Date	Performed By
Post Stabilities 2	80-007168	Florida Wildlife Conservation Commission	11/3/2020	DERR

0.05g/210L ✓

0.047 to 0.053 ☑

FWCC
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-007168
11/03/2020
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	21:28
Control Test	0.049	21:28
Air Blank	0.000	21:29
Control Test	0.049	21:30
Air Blank	0.000	21:30
Control Test	0.049	21:31
Air Blank	0.000	21:31

Control Test Stats

Average	0.0490
Std Dev	0.0000
Rel Std Dev(%)	0.0000

Operator's Signature

0.08g/210L ✓

0.077 to 0.083 ☑

FWCC
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-007168
11/03/2020
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	21:32
Control Test	0.079	21:33
Air Blank	0.000	21:34
Control Test	0.079	21:34
Air Blank	0.000	21:35
Control Test	0.079	21:35
Air Blank	0.000	21:36

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 ☑

FWCC
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-007168
11/03/2020
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	21:37
Control Test	0.198	21:38
Air Blank	0.000	21:38
Control Test	0.198	21:39
Air Blank	0.000	21:40
Control Test	0.199	21:40
Air Blank	0.000	21:41

Control Test Stats

Average	0.1983
Std Dev	0.0006
Rel Std Dev(%)	0.2911

Operator's Signature

DGS 0.08g/210L ✓

0.077 to 0.083 ☑

FWCC
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-007168
11/03/2020
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	21:42
Control Test	0.079	21:43
Air Blank	0.000	21:43
Control Test	0.080	21:43
Air Blank	0.000	21:44
Control Test	0.080	21:44
Air Blank	0.000	21:45

Control Test Stats

Average	0.0797
Std Dev	0.0006
Rel Std Dev(%)	0.7247

Operator's Signature

2020.11.05 10:36:58 -05'00'

FWCC
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-007168
11/03/2020 20:35:35

Auto Calibration
Max Power Res Value = 74
Auto Range Res Value = 53

Sol Value = 0.000 g/210L xxx
Fit value = 0.0000 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12726, 9um Io = 13066

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.1470	(-0.0060)
Sample #2 =	0.1340	(0.0380)
Sample #3 =	0.0930	(0.0790)
Sample #4 =	0.0880	(0.1000)

Avg % Abs = 0.1050 (0.0723)
STD DEV = 0.0252 (0.0315)
REL STD DEV = 24.037 (43.594)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.1470	(-0.0020)
Sample #2 =	0.1410	(0.0120)
Sample #3 =	0.1300	(0.0230)
Sample #4 =	0.1170	(0.0360)

Avg % Abs = 0.1293 (0.0237)
STD DEV = 0.0120 (0.0120)
REL STD DEV = 9.289 (50.763)

Sol Value = 0.040 g/210L xxx
Fit value = 0.1905 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12708, 9um Io = 13061

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.7870	(-0.0080)
Sample #2 =	0.7900	(-0.0020)
Sample #3 =	0.8490	(-0.0150)
Sample #4 =	0.8280	(-0.0100)

Avg % Abs = 0.8223 (-0.0090)
STD DEV = 0.0299 (0.0066)
REL STD DEV = 3.637 (72.860)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.4560	(-0.0090)
Sample #2 =	1.4670	(-0.0130)
Sample #3 =	1.4690	(-0.0070)
Sample #4 =	1.4630	(0.0010)

Avg % Abs = 1.4663 (-0.0063)
STD DEV = 0.0031 (0.0070)
REL STD DEV = 0.208 (110.902)

Sol Value = 0.100 g/210L xxx
Fit value = 0.4762 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12705, 9um Io = 13061

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.9620	(-0.0180)
Sample #2 =	1.9180	(0.0230)
Sample #3 =	1.8970	(0.0230)
Sample #4 =	1.9510	(0.0000)

Avg % Abs = 1.9220 (0.0153)
STD DEV = 0.0272 (0.0133)
REL STD DEV = 1.416 (86.603)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.5020	(-0.0110)
Sample #2 =	3.4450	(0.0230)
Sample #3 =	3.4480	(0.0270)
Sample #4 =	3.4740	(0.0170)

Avg % Abs = 3.4557 (0.0223)
STD DEV = 0.0159 (0.0050)
REL STD DEV = 0.461 (22.537)

Sol Value = 0.200 g/210L xxx
Fit value = 0.9524 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12704, 9um Io = 13059

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.7340	(-0.0060)
Sample #2 =	3.6720	(0.0270)
Sample #3 =	3.6590	(0.0400)
Sample #4 =	3.7040	(0.0240)

Avg % Abs = 3.6783 (0.0303)
STD DEV = 0.0232 (0.0085)
REL STD DEV = 0.630 (28.038)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	6.6280	(0.0110)
Sample #2 =	6.6050	(0.0260)
Sample #3 =	6.6110	(0.0280)
Sample #4 =	6.6170	(0.0220)

Avg % Abs = 6.6110 (0.0253)
STD DEV = 0.0060 (0.0031)
REL STD DEV = 0.091 (12.059)

Sol Value = 0.300 g/210L xxx
Fit value = 1.4286 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12698, 9um Io = 13055

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	5.3310	(-0.0080)
Sample #2 =	5.3710	(-0.0160)
Sample #3 =	5.3210	(0.0100)
Sample #4 =	5.3770	(-0.0140)

Avg % Abs = 5.3563 (-0.0067)
STD DEV = 0.0307 (0.0145)
REL STD DEV = 0.574 (217.025)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	9.5360	(0.0000)
Sample #2 =	9.5600	(-0.0160)
Sample #3 =	9.5370	(-0.0010)
Sample #4 =	9.5350	(-0.0050)

Avg % Abs = 9.5440 (-0.0073)
STD DEV = 0.0139 (0.0078)
REL STD DEV = 0.146 (105.920)

Optical Calibration 2
SN: 80-007168
Agency: FWCC
Date: 11/3 /2020
Quadratic Fit: +/- 0.002g/210L
By: DERR

2020.11.05 10:36:23 -05'00'

xxxxx AUTO CAL DATA xxxxx

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

Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.105
Std Dev = 0.03 Rel Std Dev = 24.04
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 0.822
Std Dev = 0.03 Rel Std Dev = 3.64
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 1.922
Std Dev = 0.03 Rel Std Dev = 1.42
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 3.678
Std Dev = 0.02 Rel Std Dev = 0.63
Sol Val = 1.4286 mg/l or 0.300 g/210L
% Abs = 5.356
Std Dev = 0.03 Rel Std Dev = 0.57
Zero Order Coef = -245.02
First Order Coef = 2547.49
Second Order Coef = 30.61
Standard Deviation = 22.359835

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

Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.129
Std Dev = 0.01 Rel Std Dev = 9.29
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 1.466
Std Dev = 0.00 Rel Std Dev = 0.21
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 3.456
Std Dev = 0.02 Rel Std Dev = 0.46
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 6.611
Std Dev = 0.01 Rel Std Dev = 0.09
Sol Val = 1.4286 mg/l or 0.300 g/210L
% Abs = 9.544
Std Dev = 0.01 Rel Std Dev = 0.15
Zero Order Coef = -158.00
First Order Coef = 1368.67
Second Order Coef = 15.05
Standard Deviation = 20.766731

Solution Stats Quadratic Fit Chan 1

Act g/210L	Fit g/210L	Residual g/210L
0.000	0.000	-0.0005
0.040	0.039	0.0007
0.100	0.100	-0.0001
0.200	0.200	-0.0003
0.300	0.300	0.0002

Act g/210L	Fit g/210L	Residual g/210L
0.000	0.000	-0.0004
0.040	0.040	0.0005
0.100	0.100	0.0002
0.200	0.201	-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 = 3112.00
Sample #2 = -225.00
Sample #3 = -212.00
Sample #4 = -207.00
Average Result = -214.6667
STD DEV = 9.2916
REL STD DEV = 4.328

xxxxxxxxxx

xxxxx CHANNEL 2

Sample #1 = 3354.00
Sample #2 = -149.00
Sample #3 = -133.00
Sample #4 = -143.00
Average Result = -141.6667
STD DEV = 8.0829
REL STD DEV = 5.706

xxxxxxxxxx

Sol Value = 0.080 g/210L xxx
Fit value = 0.3810 mg/l %%%%
Samples Taken = 4, Discarded = 1

xxxxx CHANNEL 1

Sample #1 = 3136.00
Sample #2 = 3128.00
Sample #3 = 3133.00
Sample #4 = 3071.00
Average Result = 3110.6667
STD DEV = 34.4432
REL STD DEV = 1.107

xxxxxxxxxx

xxxxx CHANNEL 2

Sample #1 = 3362.00
Sample #2 = 3362.00
Sample #3 = 3380.00
Sample #4 = 3346.00
Average Result = 3362.6667
STD DEV = 17.0098
REL STD DEV = 0.506

xxxxxxxxxx

Dry Gas H2O Adjust Results xxxxxxxxxx
Barometric Pressure = 1020
3 um H2O Adjust (mg/lx10,000) = 699
9 um H2O Adjust (mg/lx10,000) = 447

FWCC
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-007168
11/03/2020 19:39:28

Auto Calibration
Max Power Res Value = 74
Auto Range Res Value = 52

Sol Value = 0.000 g/210L xxx
Fit value = 0.0000 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12571, 9um Io = 12989

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.1510	(0.0000)
Sample #2 =	0.1190	(0.0400)
Sample #3 =	0.1500	(0.0560)
Sample #4 =	0.0840	(0.1060)

Avg % Abs = 0.1177 (0.0673)
STD DEV = 0.0330 (0.0344)
REL STD DEV = 28.062 (51.132)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.1850	(0.0070)
Sample #2 =	0.1580	(0.0210)
Sample #3 =	0.1770	(0.0150)
Sample #4 =	0.1170	(0.0440)

Avg % Abs = 0.1507 (0.0267)
STD DEV = 0.0307 (0.0153)
REL STD DEV = 20.353 (57.405)

Sol Value = 0.040 g/210L xxx
Fit value = 0.1905 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12556, 9um Io = 12984

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.8480	(-0.0120)
Sample #2 =	0.7770	(0.0270)
Sample #3 =	0.7860	(0.0180)
Sample #4 =	0.7890	(0.0490)

Avg % Abs = 0.7840 (0.0313)
STD DEV = 0.0062 (0.0159)
REL STD DEV = 0.797 (50.897)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.4490	(-0.0020)
Sample #2 =	1.4270	(0.0070)
Sample #3 =	1.4100	(0.0070)
Sample #4 =	1.3960	(0.0280)

Avg % Abs = 1.4110 (0.0140)
STD DEV = 0.0155 (0.0121)
REL STD DEV = 1.100 (86.603)

Sol Value = 0.100 g/210L xxx
Fit value = 0.4762 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12550, 9um Io = 12980

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.9550	(-0.0030)
Sample #2 =	1.9420	(0.0020)
Sample #3 =	1.9160	(0.0200)
Sample #4 =	1.9630	(0.0050)

Avg % Abs = 1.9403 (0.0090)
STD DEV = 0.0235 (0.0096)
REL STD DEV = 1.213 (107.152)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.4920	(-0.0160)
Sample #2 =	3.4740	(0.0070)
Sample #3 =	3.4470	(0.0120)
Sample #4 =	3.4980	(-0.0010)

Avg % Abs = 3.4730 (0.0060)
STD DEV = 0.0255 (0.0066)
REL STD DEV = 0.735 (109.291)

Sol Value = 0.200 g/210L xxx
Fit value = 0.9524 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12547, 9um Io = 12979

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.7240	(-0.0030)
Sample #2 =	3.7170	(0.0040)
Sample #3 =	3.6580	(0.0400)
Sample #4 =	3.7060	(0.0230)

Avg % Abs = 3.6937 (0.0223)
STD DEV = 0.0314 (0.0180)
REL STD DEV = 0.849 (80.638)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	6.6630	(-0.0170)
Sample #2 =	6.6370	(0.0040)
Sample #3 =	6.6180	(0.0230)
Sample #4 =	6.6630	(0.0010)

Avg % Abs = 6.6393 (0.0093)
STD DEV = 0.0226 (0.0119)
REL STD DEV = 0.340 (127.825)

Sol Value = 0.300 g/210L xxx
Fit value = 1.4286 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12544, 9um Io = 12977

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	5.3980	(-0.0170)
Sample #2 =	5.3810	(0.0050)
Sample #3 =	5.3740	(0.0230)
Sample #4 =	5.3760	(0.0210)

Avg % Abs = 5.3770 (0.0163)
STD DEV = 0.0036 (0.0099)
REL STD DEV = 0.067 (60.403)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	9.5690	(-0.0120)
Sample #2 =	9.5290	(0.0120)
Sample #3 =	9.5470	(0.0080)
Sample #4 =	9.5560	(0.0070)

Avg % Abs = 9.5440 (0.0090)
STD DEV = 0.0137 (0.0026)
REL STD DEV = 0.144 (29.397)

Optical Calibration	
SN:	80-007168
Agency:	FWCC
Date:	11/3 /2020
Quadratic Fit:	+/- 0.002g/210L
By:	DERR

xxxxx AUTO CAL DATA xxxxx

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

Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.118
Std Dev = 0.03 Rel Std Dev = 28.06
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 0.784
Std Dev = 0.01 Rel Std Dev = 0.80
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 1.940
Std Dev = 0.02 Rel Std Dev = 1.21
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 3.694
Std Dev = 0.03 Rel Std Dev = 0.85
Sol Val = 1.4286 mg/l or 0.300 g/210L
% Abs = 5.377
Std Dev = 0.00 Rel Std Dev = 0.07
Zero Order Coef = -222.90
First Order Coef = 2530.77
Second Order Coef = 30.72
Standard Deviation = 76.631073

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

Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.151
Std Dev = 0.03 Rel Std Dev = 20.35
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 1.411
Std Dev = 0.02 Rel Std Dev = 1.10
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 3.473
Std Dev = 0.03 Rel Std Dev = 0.73
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 6.639
Std Dev = 0.02 Rel Std Dev = 0.34
Sol Val = 1.4286 mg/l or 0.300 g/210L
% Abs = 9.544
Std Dev = 0.01 Rel Std Dev = 0.14
Zero Order Coef = -138.21
First Order Coef = 1356.54
Second Order Coef = 15.97
Standard Deviation = 64.657196

Solution Stats Quadratic Fit Chan 1

Act	Fit	Residual
g/210L	g/210L	g/210L
0.000	0.002	-0.0016
0.040	0.037	0.0026
0.100	0.101	-0.0009
0.200	0.200	-0.0004
0.300	0.300	0.0003

Solution Stats Quadratic Fit Chan 2

Act	Fit	Residual
g/210L	g/210L	g/210L
0.000	0.001	-0.0014
0.040	0.038	0.0020
0.100	0.100	-0.0001
0.200	0.201	-0.0010
0.300	0.300	0.0005

Sol Value = 0.080 g/210L xxx
Fit value = 0.3810 mg/l %%%%
Samples Taken = 4, Discarded = 1
xxxxx CHANNEL 1
Sample #1 = 3115.00
Sample #2 = 3115.00
Sample #3 = 3126.00
Sample #4 = 3033.00
Average Result = 3091.3333
STD DEV = 50.8167
REL STD DEV = 1.644
xxxxxxxxxx
xxxxx CHANNEL 2
Sample #1 = 3346.00
Sample #2 = 3343.00
Sample #3 = 3343.00
Sample #4 = 3336.00
Average Result = 3340.6667
STD DEV = 4.0415
REL STD DEV = 0.121
xxxxxxxxxx
Dry Gas H20 Adjust Results xxxxxxxxxx
Barometric Fressure = 1020
3 um H20 Adjust (mg/lx10,000) = 718
9 um H20 Adjust (mg/lx10,000) = 469
xxxx AUTO CAL PASS

2020.11.05 10:36:00 -05'00'

2020.11.05 10:35:40 -05'00'

Type of Test	Serial Number	Agency	Date	Performed By
Stabilities	80-007168	Florida Wildlife Conservation Commission	11/3/2020	DERR

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 ✓

FWCC
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-007168
11/03/2020
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	19:12
Control Test	0.046	19:12
Air Blank	0.000	19:13
Control Test	0.047	19:13
Air Blank	0.000	19:14
Control Test	0.047	19:15
Air Blank	0.000	19:15

Control Test Stats

Average	0.0467
Std Dev	0.0006
Rel Std Dev(%)	1.2372

DERR
Operator's Signature

FWCC
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-007168
11/03/2020
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	19:17
Control Test	0.078	19:18
Air Blank	0.000	19:18
Control Test	0.077	19:19
Air Blank	0.000	19:19
Control Test	0.077	19:20
Air Blank	0.000	19:21

Control Test Stats

Average	0.0773
Std Dev	0.0006
Rel Std Dev(%)	0.7466

DERR
Operator's Signature

FWCC
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-007168
11/03/2020
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	19:23
Control Test	0.195	19:23
Air Blank	0.000	19:24
Control Test	0.196	19:25
Air Blank	0.000	19:25
Control Test	0.196	19:26
Air Blank	0.000	19:26

Control Test Stats

Average	0.1957
Std Dev	0.0006
Rel Std Dev(%)	0.2951

DERR
Operator's Signature

FWCC
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-007168
11/03/2020
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	19:29
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	0.078	19:31
Air Blank	0.000	19:31

Control Test Stats

Average	0.0773
Std Dev	0.0006
Rel Std Dev(%)	0.7466

DERR
Operator's Signature