



# INSTRUMENT PROCESSING SHEET

Agency Lake County Sheriff's Office S/N 80-000823Florida Department of Law Enforcement Date In 05/08/2018 DI Completion Date 05/15/2018  Ship  P/U  H/D  CMI  EE

<b>Intake</b> Performed By <u>DMB</u> <input checked="" type="checkbox"/> Annual <input type="checkbox"/> Registration <input type="checkbox"/> Return from CMI / EE Visual Inspection: <input checked="" type="checkbox"/> Case <input checked="" type="checkbox"/> Handle <input checked="" type="checkbox"/> Keyboard <input checked="" type="checkbox"/> Dry Gas Shelf <input checked="" type="checkbox"/> Feet <input checked="" type="checkbox"/> Breath Tube <input checked="" type="checkbox"/> Ports <input checked="" type="checkbox"/> Screws Tight Other Equipment/ Accessories: <input type="checkbox"/> Power cord <input type="checkbox"/> Printer Cable <input checked="" type="checkbox"/> Static Bag <input type="checkbox"/> 12V DC Cable Notes: _____ _____ _____	<b>Quality Checks</b> Performed By <u>DMB</u> <input checked="" type="checkbox"/> Breath Tube Screen <input checked="" type="checkbox"/> Replace External O-Rings <input checked="" type="checkbox"/> Instrument Set Up Verified <input checked="" type="checkbox"/> R-Value <u>183</u> <input checked="" type="checkbox"/> Flow Verification (L/s) Flow Column # <u>ATP 103</u> 32 mm <u>0.148</u> (.139 - .169) 36 mm <u>0.164</u> (.156 - .190) 53 mm <u>0.234</u> (.228 - .278) 103 mm <u>0.492</u> (.447 - .547) <input checked="" type="checkbox"/> Barometric Pressure Check Gauge ID # <u>28427</u> <input checked="" type="checkbox"/> Stability Checks	<b>Flow Calibration</b> Performed By _____ Flow Column # _____ <input type="checkbox"/> 5L/min - 17mm <input type="checkbox"/> 15L/min - 53mm <input type="checkbox"/> 30L/min - 103mm <input type="checkbox"/> R-Value _____ <input type="checkbox"/> Post Calibration Verification (L/s) Flow Column # _____ 32 mm _____ (.139 - .169) 36 mm _____ (.156 - .190) 53 mm _____ (.228 - .278) 103 mm _____ (.447 - .547)															
<b>Final Release Date</b> <div style="text-align: center; font-weight: bold; font-size: 1.2em;">FDLE</div> <div style="text-align: center; font-weight: bold; font-size: 1.2em;">MAY 15 2018</div> <div style="text-align: center;">Alcohol Testing Program</div>	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Simulator</th> <th>Serial #</th> <th>Lot #/Exp</th> </tr> </thead> <tbody> <tr> <td>0.050</td> <td>G2835</td> <td>201707D 07/25/2019</td> </tr> <tr> <td>0.080</td> <td>G2840</td> <td>201707E 07/25/2019</td> </tr> <tr> <td>0.200</td> <td>SD1025</td> <td>201707C 07/24/2019</td> </tr> <tr> <td>0.080 DGS</td> <td>N/A</td> <td>AG805702 02/26/2020</td> </tr> </tbody> </table>	Simulator	Serial #	Lot #/Exp	0.050	G2835	201707D 07/25/2019	0.080	G2840	201707E 07/25/2019	0.200	SD1025	201707C 07/24/2019	0.080 DGS	N/A	AG805702 02/26/2020	<b>Maintenance</b> Performed By _____ <input type="checkbox"/> Battery Replacement <input type="checkbox"/> Dry Gas Regulator Replacement <input type="checkbox"/> Breath Tube Replacement <input type="checkbox"/> Other _____ <b>Temperature Checks</b> Performed By <u>SP</u> <input checked="" type="checkbox"/> Lab Temp °C <u>21.2</u> External Digital Therm. ID#: <u>300503</u> <input checked="" type="checkbox"/> 34°C +/- .2 Serial #: <u>SD1018</u> <input checked="" type="checkbox"/> 34°C +/- .2 Serial #: <u>SD3962</u> <input checked="" type="checkbox"/> 34°C +/- .2 Serial #: <u>G2078</u>
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<b>Calibration Adjustment</b> Performed By <u>DMB</u> Barometric Pressure Gauge <u>1012</u> ID # <u>28662</u> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Simulator</th> <th>Serial Number</th> <th>Lot Number</th> <th>Expiration</th> </tr> </thead> <tbody> <tr> <td>0.000</td> <td>G8144</td> <td>N/A</td> <td>N/A</td> </tr> <tr> <td>0.040</td> <td>G2403</td> <td>16320</td> <td>10/21/2018</td> </tr> <tr> <td>0.100</td> <td>G2879</td> <td>17280</td> <td>09/11/2019</td> </tr> <tr> <td>0.200</td> <td>G3709</td> <td>17090</td> <td>02/24/2019</td> </tr> <tr> <td>0.300</td> <td>G8149</td> <td>17140</td> <td>05/15/2019</td> </tr> <tr> <td>0.080 DGS</td> <td>N/A</td> <td>17817080A2</td> <td>08/05/2019</td> </tr> </tbody> </table> <input checked="" type="checkbox"/> Post Calibration Adjustment Stability Checks <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Simulator</th> <th>Serial Number</th> <th>Lot Number</th> <th>Expiration</th> </tr> </thead> <tbody> <tr> <td>0.050</td> <td>SD1018</td> <td>201707D</td> <td>07/25/2019</td> </tr> <tr> <td>0.080</td> <td>SD3962</td> <td>201707E</td> <td>07/25/2019</td> </tr> <tr> <td>0.200</td> <td>G2078</td> <td>201707C</td> <td>07/24/2019</td> </tr> <tr> <td>0.080 DGS</td> <td>N/A</td> <td>AG805702</td> <td>02/26/2020</td> </tr> </tbody> </table>	Simulator	Serial Number	Lot Number	Expiration	0.000	G8144	N/A	N/A	0.040	G2403	16320	10/21/2018	0.100	G2879	17280	09/11/2019	0.200	G3709	17090	02/24/2019	0.300	G8149	17140	05/15/2019	0.080 DGS	N/A	17817080A2	08/05/2019	Simulator	Serial Number	Lot Number	Expiration	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	AG805702	02/26/2020	<b>Department Inspection</b> Performed By <u>DMB</u> Barometric Pressure ID# <u>28427</u> Gauge <u>1011</u> Instrument <u>1012</u> Mouth Alcohol Solution Lot # <u>2017-B</u> Acetone Stock Solution Lot # <u>2018-A</u> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Simulator</th> <th>Serial Number</th> </tr> </thead> <tbody> <tr> <td>0.000</td> <td>G4444</td> </tr> <tr> <td>Interferent</td> <td>G6621</td> </tr> <tr> <td>0.050</td> <td>SD1018</td> </tr> <tr> <td>0.080</td> <td>SD3962</td> </tr> <tr> <td>0.200</td> <td>G2078</td> </tr> </tbody> </table>	Simulator	Serial Number	0.000	G4444	Interferent	G6621	0.050	SD1018	0.080	SD3962	0.200	G2078
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<b>Attachments</b> <input checked="" type="checkbox"/> Form 41 <input checked="" type="checkbox"/> Stability Checks <input checked="" type="checkbox"/> Calibration Certificate <input checked="" type="checkbox"/> Calibration Adjustment <input checked="" type="checkbox"/> Post-Stability Checks <input type="checkbox"/> Flow Calibration <input type="checkbox"/> Form 40 <input type="checkbox"/> Other _____	Notes/Suggested Service: <u>Performed optical bench calibration adjustment to bring values closer to nominal. DMB 5/15/18</u> _____ _____ _____																																																												

<input checked="" type="checkbox"/> Instrument Complies with Chapter 11D-8, FAC <input type="checkbox"/> Instrument Does Not Comply with Chapter 11D-8, FAC <input checked="" type="checkbox"/> Return to/Place into Evidentiary Use <input type="checkbox"/> Remain Out of Evidentiary Use <input checked="" type="checkbox"/> Conduct an Agency Inspection Before Evidentiary Use	<div style="display: flex; justify-content: space-between;"> <div style="text-align: center;">   <u>5/15/18</u>            Tech Review / Date         </div> <div style="text-align: center;">   <u>5/15/18</u>            Admin Review / Date         </div> </div>
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# Florida Department of Law Enforcement Alcohol Testing Program

## DEPARTMENT INSPECTION REPORT - INTOXILYZER 8000

Agency: LAKE COUNTY SO  
Time of Inspection: 15:51

Date of Inspection: 05/15/2018

Serial Number: 80-000823  
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#:AG805702 Exp: 02/26/2020
0.000	0.049	0.081	0.197	0.079
0.000	0.050	0.081	0.198	0.078
0.000	0.050	0.082	0.197	0.079
0.000	0.050	0.081	0.198	0.078
0.000	0.050	0.082	0.197	0.077
0.000	0.050	0.082	0.197	0.076
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0.000	0.050	0.083	0.198	0.076
0.000	0.049	0.083	0.197	0.076

Standard Deviations	0.0004	0.0008	0.0004	0.0012
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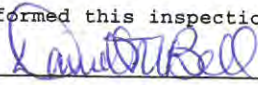
Average Standard Deviation of 0.05, 0.08 and 0.20 g/210L Tests: 0.0007 Number of Simulators Used: 5

Remarks:



The above instrument complies (  ) 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

05/15/2018  
Date

*5/15/18*  
*DB*

# Stability Checks # 80-000823 Lake County S.O. 5/10/18 ~~AMS~~

gog

LAKE COUNTY SO  
Intoxilyzer - Alcohol Analyzer  
Model 8000 SN 80-000823  
05/10/2018  
Software: 8100.27

gog

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Test	g/210L	Time	Test	g/210L	Time	Test	g/210L	Time	Test	g/210L	Time	Test	g/210L	Time
Air Blank	0.000	15:12	Air Blank	0.000	15:16	Air Blank	0.000	15:21	Air Blank	0.000	15:29	Air Blank	0.000	15:33
Control Test	0.050	15:12	Control Test	0.080	15:17	Control Test	0.197	15:22	Control Test	0.086	15:29	Control Test	0.084	15:33
Air Blank	0.000	15:13	Air Blank	0.000	15:17	Air Blank	0.000	15:23	Air Blank	0.000	15:30	Air Blank	0.000	15:34
Control Test	0.050	15:13	Control Test	0.080	15:18	Control Test	0.200	15:23	Control Test	0.085	15:30	Control Test	0.084	15:34
Air Blank	0.000	15:14	Air Blank	0.000	15:19	Air Blank	0.000	15:24	Air Blank	0.000	15:31	Air Blank	0.000	15:35
Control Test	0.050	15:15	Control Test	0.081	15:19	Control Test	0.200	15:25	Control Test	0.085	15:31	Control Test	0.083	15:35
Air Blank	0.000	15:15	Air Blank	0.000	15:20	Air Blank	0.000	15:25	Air Blank	0.000	15:31	Air Blank	0.000	15:35
Control Test Stats			Control Test Stats			Control Test Stats			Control Test Stats			Control Test Stats		
Average	0.0500		Average	0.0803		Average	0.1990		Average	0.0853		Average	0.0837	
Std Dev	0.0000		Std Dev	0.0006		Std Dev	0.0017		Std Dev	0.0006		Std Dev	0.0006	
Rel Std Dev(%)	0.0000		Rel Std Dev(%)	0.7187		Rel Std Dev(%)	0.8704		Rel Std Dev(%)	0.6766		Rel Std Dev(%)	0.6901	

✓

✓

✓

✓

✓

~~AMS~~

Operator's Signature

5/15/18

~~AMS~~

Operator's Signature

~~AMS~~

Operator's Signature

~~AMS~~

Operator's Signature

~~AMS~~

Operator's Signature



# Calibration Certificate

This is to certify the calibration of Intoxilyzer 8000 serial number 80-000823, manufactured by CMI, Inc. was calibrated in accordance with FDLE/ATP Form 36 - Department Inspection Procedures - Intoxilyzer 8000.

Serial Number:	<u>80-000823</u>	UNCERTAINTY* ±	
Owning Agency:	<u>LAKE COUNTY SO</u>	0.050 g/ 210 L	0.004
Calibration Date:	<u>05/15/2018</u>	0.080 g/ 210 L	0.005
Calibration Time:	<u>15:51</u>	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.

This document shall not be reproduced except in full, without written approval of the Florida Department of Law Enforcement Alcohol Testing Program.

05/15/2018

Date

DANIELLE M BELL,  
 Department Inspector

FDLE/ATP Form 69 March 2018  
 Issuing Authority: Alcohol Testing Program

Service • Integrity • Respect • Quality

5/15/18



Optical bench calibration adjustment data

#80-000823 Lake County S.O. 5/15/18

DBS

Lake County SO  
 Intoxilyzer - Alcohol Analyzer  
 Model 8000 SN 80-010823  
 05/15/2018 12:31:21

Auto Calibration  
 Max Power Res Value = 42  
 Auto Range Res Value = 24

<<<< CHANNEL 2 >>>>  
 Sample % Abs (% Abs Ref)  
 Sample #1 = 1.4520 (-0.0160)  
 Sample #2 = 1.4190 (0.0070)  
 Sample #3 = 1.4310 (-0.0050)  
 Sample #4 = 1.4520 (0.0080)  
 Avg % Abs = 1.4340 (0.0033)  
 STD DEV = 0.0167 (0.0072)  
 REL STD DEV = 1.165 (217.025)

Sol Value = 0.100 g/210L \*\*\*  
 Fit value = 0.4762 mg/l %%%  
 Samples Taken = 4, Discarded = 1  
 Sum Io = 12504, Sum Io = 14173

<<<< CHANNEL 1 >>>>  
 Sample % Abs (% Abs Ref)  
 Sample #1 = 1.8090 (-0.0160)  
 Sample #2 = 1.8210 (0.0020)  
 Sample #3 = 1.8070 (0.0240)  
 Sample #4 = 1.8070 (0.0320)  
 Avg % Abs = 1.8117 (0.0193)  
 STD DEV = 0.0081 (0.0155)  
 REL STD DEV = 0.446 (80.353)

<<<< CHANNEL 2 >>>>  
 Sample % Abs (% Abs Ref)  
 Sample #1 = 0.1240 (-0.0050)  
 Sample #2 = 0.1530 (0.0020)  
 Sample #3 = 0.1210 (0.0310)  
 Sample #4 = 0.1270 (0.0280)  
 Avg % Abs = 0.1337 (0.0203)  
 STD DEV = 0.0170 (0.0159)  
 REL STD DEV = 12.726 (78.432)

Sol Value = 0.040 g/210L \*\*\*  
 Fit value = 0.1905 mg/l %%%  
 Samples Taken = 4, Discarded = 1  
 Sum Io = 12518, Sum Io = 14176

<<<< CHANNEL 1 >>>>  
 Sample % Abs (% Abs Ref)  
 Sample #1 = 0.7660 (-0.0160)  
 Sample #2 = 0.7740 (0.0180)  
 Sample #3 = 0.7620 (0.0520)  
 Sample #4 = 0.7670 (0.0650)  
 Avg % Abs = 0.7677 (0.0451)  
 STD DEV = 0.0060 (0.0243)  
 REL STD DEV = 0.785 (53.932)

5/15/18

<<<< CHANNEL 2 >>>>  
 Sample % Abs (% Abs Ref)  
 Sample #1 = 6.2310 (0.0010)  
 Sample #2 = 6.3490 (0.0100)  
 Sample #3 = 6.3870 (-0.0020)  
 Sample #4 = 6.3930 (0.0190)  
 Avg % Abs = 6.3763 (0.0057)  
 STD DEV = 0.0239 (0.0067)  
 REL STD DEV = 0.374 (117.500)

Sol Value = 0.300 g/210L \*\*\*  
 Fit value = 1.4286 mg/l %%%  
 Samples Taken = 4, Discarded = 1  
 Sum Io = 12489, Sum Io = 14160

<<<< CHANNEL 1 >>>>  
 Sample % Abs (% Abs Ref)  
 Sample #1 = 5.1740 (-0.0100)  
 Sample #2 = 5.2390 (0.0210)  
 Sample #3 = 5.2760 (0.0160)  
 Sample #4 = 5.2740 (0.0420)  
 Avg % Abs = 5.2630 (0.0263)  
 STD DEV = 0.0208 (0.0138)  
 REL STD DEV = 0.395 (52.390)

<<<< CHANNEL 2 >>>>  
 Sample % Abs (% Abs Ref)  
 Sample #1 = 9.3130 (-0.0130)  
 Sample #2 = 9.4370 (0.0000)  
 Sample #3 = 9.5150 (0.0040)  
 Sample #4 = 9.5310 (0.0140)  
 Avg % Abs = 9.4943 (0.0060)  
 STD DEV = 0.0503 (0.0072)  
 REL STD DEV = 0.530 (120.185)

DBS

Solution Stats Quadratic Fit Chan 1  
 Act Fit Residual  
 g/210L g/210L g/210L  
 0.000 -0.001 0.0009  
 0.040 0.041 -0.0007  
 0.100 0.101 -0.0013  
 0.200 0.198 0.0017  
 0.300 0.301 -0.0006

Solution Stats Quadratic Fit Chan 2  
 Act Fit Residual  
 g/210L g/210L g/210L  
 0.000 -0.001 0.0006  
 0.040 0.040 -0.0002  
 0.100 0.102 -0.0016  
 0.200 0.198 0.0017  
 0.300 0.301 -0.0006

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

<<<< CHANNEL 1 >>>>  
 Sample #1 = 3635.00  
 Sample #2 = 3574.00  
 Sample #3 = 3693.00  
 Sample #4 = 3641.00  
 Average Result = 3636.0000  
 STD DEV = 59.6574  
 REL STD DEV = 1.641

<<<< CHANNEL 2 >>>>  
 Sample #1 = 3521.00  
 Sample #2 = 3480.00  
 Sample #3 = 3512.00  
 Sample #4 = 3496.00  
 Average Result = 3496.0000  
 STD DEV = 16.0000  
 REL STD DEV = 0.458

Dry Gas H2O Adjust Results \*\*\*\*\*  
 Barometric Pressure = 1012  
 3 um H2O Adjust (mg/l\*10,000) = 173  
 9 um H2O Adjust (mg/l\*10,000) = 313  
 \*\*\*\* AUTO CAL PASS

<<<< CHANNEL 2 >>>>  
 Sol Val = 0.0000 mg/l or 0.000 g/210L  
 % Abs = 0.134  
 Std Dev = 0.02 Rel Std Dev = 12.73  
 Sol Val = 0.1905 mg/l or 0.040 g/210L  
 % Abs = 1.434  
 Std Dev = 0.02 Rel Std Dev = 1.16  
 Sol Val = 0.4762 mg/l or 0.100 g/210L  
 % Abs = 3.374  
 Std Dev = 0.01 Rel Std Dev = 0.29  
 Sol Val = 0.9524 mg/l or 0.200 g/210L  
 % Abs = 6.376  
 Std Dev = 0.02 Rel Std Dev = 0.37  
 Sol Val = 1.4286 mg/l or 0.300 g/210L  
 % Abs = 9.494  
 Std Dev = 0.05 Rel Std Dev = 0.53  
 Zero Order Coef = -227.97  
 First Order Coef = 1485.54  
 Second Order Coef = 4.84  
 Standard Deviation = 59.982067

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 % Abs = 6.376  
 Std Dev = 0.02 Rel Std Dev = 0.37  
 Sol Val = 1.4286 mg/l or 0.300 g/210L  
 % Abs = 9.494  
 Std Dev = 0.05 Rel Std Dev = 0.53  
 Zero Order Coef = -227.97  
 First Order Coef = 1485.54  
 Second Order Coef = 4.84  
 Standard Deviation = 59.982067

Post Calibration Adjustment  
 Stability Checks # 80-000823 Lake County S.O. 5/15/18

LAKE COUNTY SO  
 Intoxilyzer - Alcohol Analyzer  
 Model 8000 SN 80-000823  
 05/15/2018  
 Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	13:38
Control Test	0.081	13:38
Air Blank	0.000	13:38
Control Test	0.080	13:39
Air Blank	0.000	13:39
Control Test	0.081	13:39
Air Blank	0.000	13:40
Control Test Stats		
Average	0.0817	
Std Dev	0.0006	
Rel Std Dev(%)	0.7157	

Operator's Signature

LAKE COUNTY SO  
 Intoxilyzer - Alcohol Analyzer  
 Model 8000 SN 80-000823  
 05/15/2018  
 Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	13:33
Control Test	0.197	13:34
Air Blank	0.000	13:34
Control Test	0.196	13:35
Air Blank	0.000	13:36
Control Test	0.195	13:36
Air Blank	0.000	13:37
Control Test Stats		
Average	0.1960	
Std Dev	0.0010	
Rel Std Dev(%)	0.5102	

Operator's Signature

LAKE COUNTY SO  
 Intoxilyzer - Alcohol Analyzer  
 Model 8000 SN 80-000823  
 05/15/2018  
 Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	13:26
Control Test	0.083	13:27
Air Blank	0.000	13:27
Control Test	0.082	13:28
Air Blank	0.000	13:29
Control Test	0.082	13:29
Air Blank	0.000	13:30
Control Test Stats		
Average	0.0823	
Std Dev	0.0006	
Rel Std Dev(%)	0.7012	

Operator's Signature

LAKE COUNTY SO  
 Intoxilyzer - Alcohol Analyzer  
 Model 8000 SN 80-000823  
 05/15/2018  
 Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	13:22
Control Test	0.048	13:23
Air Blank	0.000	13:23
Control Test	0.049	13:24
Air Blank	0.000	13:24
Control Test	0.049	13:25
Air Blank	0.000	13:26
Control Test Stats		
Average	0.0487	
Std Dev	0.0006	
Rel Std Dev(%)	1.1863	

Operator's Signature

5/15/18