Return Material Authorization

Ship to: ☐ CMI, Inc.

☑ Enforcement Electronics

Shipment to repair facility authorized by: Ashley Geoghegan on 10-23-2020

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

Instrument Model: Intoxilyzer 8000 Serial Number: 80-000815

Bill To Address:	Ship to Address:
Sumter County Sheriff Office	FDLE

Reason for Return:

Instrument giving low and variable readings; after two optical bench calibration adjusts instrument still does not give nominal values.

Contact Ashley Geoghegan with estimate:

ageoghegan@sumtercountysheriff.org

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: Ashley Geoghegan

Phone #: _____ Email: ageoghegan@sumtercountysheriff.c

ATP Contact Name: Israel Soto ATP Email: israelsoto@fdle.state.fl.us

FDLE
Florida Department of Law Enforcement

INSTRUMENT PROCESSING SHEET

Agency Sumter County Sheriff's Office S/N 80-000815

Date In 10/06/2020 DI Completion Date _____ ☑Ship ☐P/U ☐H/D ☐CMI ☐EE

Intake Performed By RAW

☑ 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

Quality Checks Performed By IS

☑ Breath Tube Screen
☑ Replace External O-Rings
☑ Instrument Set Up Verified
☑ R-Value 200
☑ Flow Verification (L/s)
Flow Column # ATP-105
32 mm 0.152 (.139 - .169)
36 mm 0.167 (.156 - .190)
53 mm 0.238 (.228 - .278)
103 mm 0.515 (.447 - .547)
☑ Barometric Pressure Check
Gauge ID # 30793
☑ Stability Checks

Simulator	Serial #	Lot #/Exp
0.050	MP5088	201905A
		05-14-2021
0.080	MP5089	201905B
		05-14-2021
0.200	MP5090	201904D
		04-30-2021
0.080 DGS	N/A	AG931603
		11-12-2021

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 IS

☑ Lab Temp °C 21.39
External Digital Therm. ID#: 300503
☑ 34°C +-.2 Serial #: MP5088
☑ 34°C +-.2 Serial #: MP5089
☑ 34°C +-.2 Serial #: MP5090

Calibration Adjustment Performed By IS

Barometric Pressure Gauge 1015 ID # 26932

Simulator	Serial Number	Lot Number	Expiration
0.000	MP5091	N/A	N/A
0.040	MP5082	20060	02-10-2022
0.100	MP5083	20190	04-06-2022
0.200	MP5084	20160	03-18-2022
0.300	MP5085	20030	01-21-2022
0.080 DGS	N/A	03519080A4	04-05-2021

☑ Post Calibration Adjustment Stability Checks

Simulator	Serial Number	Lot Number	Expiration
0.050	MP5088	201905A	05-14-2021
0.080	MP5089	201905B	05-14-2021
0.200	MP5090	201904D	04-30-2021
0.080 DGS	N/A	AG931603	11-12-2021

Department Inspection Performed By IS

Barometric Pressure ID# 30793
Gauge 1016 Instrument 1016
Mouth Alcohol Solution Lot # 2019-B
Acetone Stock Solution Lot # 2019-A

Simulator	Serial Number
0.000	MP5086
Interferent	MP5087
0.050	MP5088
0.080	MP5089
0.200	MP5090

Attachments

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

Notes/Suggested Service:
Second Opt Cal Adjust Serial/Lot # and expiration dates the same as first Opt Cal Adjust
Second Cal Adjust Baro Pressure: 1019

Could not bring stability checks after second cal adjust to nominal values, sending to repair.

☐ **Instrument Complies with Chapter 11D-8, FAC**
☑ **Instrument Does Not Comply with Chapter 11D-8, FAC**
☐ **Return to/Place into Evidentiary Use**
☑ **Remain Out of Evidentiary Use**
☐ **Conduct an Agency Inspection Before Evidentiary Use**

Tech Review / Date _____ Admin Review / Date _____

Florida Department of Law Enforcement
Alcohol Testing Program

DEPARTMENT INSPECTION REPORT - INTOXILYZER 8000

Agency: SUMTER COUNTY SO
Time of Inspection: 10:58
Date of Inspection: 10/16/2020
Serial Number: 80-000815
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		No

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#: Exp:	0.08 g/210L Dry Gas Std Test (g/210L) Lot#: Exp:
0.000	0.048	0.075 / 0.076		
0.000	0.048	0.074 / 0.074		
0.000	0.049	0.074 / 0.074		
0.000	0.048	0.075 / 0.073		
0.000	0.048	0.073 / 0.073		
0.000	0.048	0.075 / 0.075		
0.000	0.048	0.075 / 0.075		
0.000	0.048	0.075 / 0.074		
0.000	0.048	0.075 / 0.075		
0.000	0.049	0.075 / 0.077		

Standard Deviations	0.0004	0.0006 / 0.0012		

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

Remarks:
08: Control Outside Tolerance CHECKED SEALS TEMP ORINGS, C . Non-compliance:WILL PERFORM OPT CAL ADJ UST REPEAT INSP.

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.

Israel Soto ISRAEL SOTO
Signature and Printed Name

10/16/2020
Date

FDLE/ATP Form 41 –Revised August 2005

Stability Checks

SUMTER COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000815
10/07/2020
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:34
Control Test	0.048	09:35
Air Blank	0.000	09:35
Control Test	0.048	09:36
Air Blank	0.000	09:37
Control Test	0.045	09:37
Air Blank	0.000	09:38
Control Test Stats		
Average	0.0470	
Std Dev	0.0017	
Rel Std Dev(%)	3.6852	

Operator's Signature

SUMTER COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000815
10/07/2020
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:45
Control Test	0.078	09:45
Air Blank	0.000	09:46
Control Test	0.078	09:47
Air Blank	0.000	09:47
Control Test	0.078	09:48
Air Blank	0.000	09:48
Control Test Stats		
Average	0.0780	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

wet

Operator's Signature

SUMTER COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000815
10/07/2020
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:54
Control Test	0.196	09:55
Air Blank	0.000	09:55
Control Test	0.195	09:56
Air Blank	0.000	09:56
Control Test	0.196	09:57
Air Blank	0.000	09:58
Control Test Stats		
Average	0.1957	
Std Dev	0.0006	
Rel Std Dev(%)	0.2951	

Operator's Signature

SUMTER COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000815
10/07/2020
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	10:00
Control Test	0.080	10:01
Air Blank	0.000	10:01
Control Test	0.080	10:02
Air Blank	0.000	10:02
Control Test	0.080	10:02
Air Blank	0.000	10:03
Control Test Stats		
Average	0.0800	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

Dry

Operator's Signature

Optical Bench Cal. Adj.

SUMTER COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000815
10/14/2020 09:01:12

Auto Calibration
Max Power Res Value = 22
Auto Range Res Value = 8

Sol Value = 0.000 g/210L ***
Fit value = 0.0000 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12682, 9um Io = 13085

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.0830	(0.0030)
Sample #2 =	0.0860	(0.0550)
Sample #3 =	0.0710	(0.1280)
Sample #4 =	0.0760	(0.1260)

Avg % Abs = 0.0777 (0.1030)
STD DEV = 0.0076 (0.0416)
REL STD DEV = 9.834 (40.370)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.1430	(-0.0060)
Sample #2 =	0.1230	(-0.0010)
Sample #3 =	0.1300	(0.0220)
Sample #4 =	0.1110	(0.0230)

Avg % Abs = 0.1213 (0.0147)
STD DEV = 0.0096 (0.0136)
REL STD DEV = 7.920 (92.570)

Sol Value = 0.040 g/210L ***
Fit value = 0.1905 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12657, 9um Io = 13077

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.7990	(-0.0250)
Sample #2 =	0.7770	(0.0300)
Sample #3 =	0.7660	(0.0630)
Sample #4 =	0.7720	(0.0730)

Avg % Abs = 0.7717 (0.0553)
STD DEV = 0.0055 (0.0225)
REL STD DEV = 0.714 (40.666)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.4650	(0.0030)
Sample #2 =	1.4460	(0.0240)
Sample #3 =	1.4690	(0.0220)
Sample #4 =	1.4520	(0.0280)

Avg % Abs = 1.4557 (0.0247)
STD DEV = 0.0119 (0.0031)
REL STD DEV = 0.820 (12.385)

Sol Value = 0.100 g/210L ***
Fit value = 0.4762 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12642, 9um Io = 13069

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.8280	(-0.0040)
Sample #2 =	1.8430	(0.0000)
Sample #3 =	1.7960	(0.0170)
Sample #4 =	1.8230	(0.0510)

Avg % Abs = 1.8207 (0.0227)
STD DEV = 0.0236 (0.0260)
REL STD DEV = 1.296 (114.564)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.4330	(-0.0090)
Sample #2 =	3.4150	(0.0050)
Sample #3 =	3.4220	(-0.0020)
Sample #4 =	3.4100	(0.0190)

Avg % Abs = 3.4157 (0.0073)
STD DEV = 0.0060 (0.0107)
REL STD DEV = 0.176 (145.809)

Sol Value = 0.200 g/210L ***
Fit value = 0.9524 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12636, 9um Io = 13067

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.5570	(-0.0120)
Sample #2 =	3.5240	(0.0530)
Sample #3 =	3.5210	(0.0420)
Sample #4 =	3.5270	(0.0780)

Avg % Abs = 3.5240 (0.0577)
STD DEV = 0.0030 (0.0184)
REL STD DEV = 0.085 (31.991)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	6.5810	(-0.0130)
Sample #2 =	6.5800	(0.0240)
Sample #3 =	6.5700	(0.0190)
Sample #4 =	6.5650	(0.0330)

Avg % Abs = 6.5717 (0.0253)
STD DEV = 0.0076 (0.0071)
REL STD DEV = 0.116 (28.005)

Sol Value = 0.300 g/210L ***
Fit value = 1.4286 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12627, 9um Io = 13062

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	5.1710	(-0.0160)
Sample #2 =	5.1350	(0.0040)
Sample #3 =	5.1600	(0.0190)
Sample #4 =	5.1520	(0.0350)

Avg % Abs = 5.1490 (0.0193)
STD DEV = 0.0128 (0.0155)
REL STD DEV = 0.248 (80.186)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	9.5300	(-0.0270)
Sample #2 =	9.4920	(0.0010)
Sample #3 =	9.4440	(0.0410)
Sample #4 =	9.4790	(0.0140)

Avg % Abs = 9.4717 (0.0187)
STD DEV = 0.0248 (0.0204)
REL STD DEV = 0.262 (109.308)

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

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

Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.078
Std Dev = 0.01 Rel Std Dev = 9.83
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 0.772
Std Dev = 0.01 Rel Std Dev = 0.71
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 1.821
Std Dev = 0.02 Rel Std Dev = 1.30
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 3.524
Std Dev = 0.00 Rel Std Dev = 0.09
Sol Val = 1.4286 mg/l or 0.300 g/210L
% Abs = 5.149
Std Dev = 0.01 Rel Std Dev = 0.25
Zero Order Coef = -188.03
First Order Coef = 2660.63
Second Order Coef = 28.86
Standard Deviation = 19.713961

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

Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.121
Std Dev = 0.01 Rel Std Dev = 7.92
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 1.456
Std Dev = 0.01 Rel Std Dev = 0.82
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 3.416
Std Dev = 0.01 Rel Std Dev = 0.18
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 6.572
Std Dev = 0.01 Rel Std Dev = 0.12
Sol Val = 1.4286 mg/l or 0.300 g/210L
% Abs = 9.472
Std Dev = 0.02 Rel Std Dev = 0.26
Zero Order Coef = -147.47
First Order Coef = 1376.48
Second Order Coef = 15.39
Standard Deviation = 28.266783

Optical Bench Cal. Adj.

Solution Stats Quadratic Fit Chan 1		
Act	Fit	Residual
g/210L	g/210L	g/210L
0.000	0.000	-0.0004
0.040	0.040	0.0005
0.100	0.100	0.0002
0.200	0.200	-0.0005
0.300	0.300	0.0002

Solution Stats Quadratic Fit Chan 2		
Act	Fit	Residual
g/210L	g/210L	g/210L
0.000	0.000	-0.0004
0.040	0.040	0.0003
0.100	0.099	0.0006
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 = 3239.00
Sample #2 = 3219.00
Sample #3 = 3371.00
Sample #4 = 3206.00
Average Result = 3265.3333
STD DEV = 91.7406
REL STD DEV = 2.810
****
***** CHANNEL 2
Sample #1 = 3307.00
Sample #2 = 3306.00
Sample #3 = 3371.00
Sample #4 = 3293.00
Average Result = 3323.3333
STD DEV = 41.7892
REL STD DEV = 1.257
****
Dry Gas H2O Adjust Results **********
Barometric Pressure = 1016
3 um H2O Adjust (mg/l*10,000) = 544
9 um H2O Adjust (mg/l*10,000) = 486
**** AUTO CAL PASS

Post Stability Checks

SUMTER COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000815
10/16/2020
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	08:35
Control Test	0.049	08:36
Air Blank	0.000	08:37
Control Test	0.048	08:37
Air Blank	0.000	08:38
Control Test	0.047	08:39
Air Blank	0.000	08:39
Control Test Stats		
Average	0.0480	
Std Dev	0.0010	
Rel Std Dev(%)	2.0833	

Operator's Signature

SUMTER COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000815
10/16/2020
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	08:43
Control Test	0.078	08:43
Air Blank	0.000	08:44
Control Test	0.077	08:45
Air Blank	0.000	08:45
Control Test	0.078	08:46
Air Blank	0.000	08:46
Control Test Stats		
Average	0.0777	
Std Dev	0.0006	
Rel Std Dev(%)	0.7434	

wet

Operator's Signature

SUMTER COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000815
10/16/2020
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	08:47
Control Test	0.199	08:48
Air Blank	0.000	08:49
Control Test	0.198	08:49
Air Blank	0.000	08:50
Control Test	0.199	08:51
Air Blank	0.000	08:51
Control Test Stats		
Average	0.1987	
Std Dev	0.0006	
Rel Std Dev(%)	0.2906	

Operator's Signature

SUMTER COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000815
10/16/2020
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	08:52
Control Test	0.080	08:52
Air Blank	0.000	08:53
Control Test	0.079	08:53
Air Blank	0.000	08:54
Control Test	0.081	08:54
Air Blank	0.000	08:54
Control Test Stats		
Average	0.0800	
Std Dev	0.0010	
Rel Std Dev(%)	1.2500	

Dry

Operator's Signature

Second Opt. Bench Cal Adj

SUMTER COUNTY SO
Intoxilyzer :- Alcohol Analyzer
Model 8000 SN 80-000815
10/19/2020 09:04:24

Auto Calibration
Max Power Res Value = 22
Auto Range Res Value = 8

Sol Value = 0.000 g/210L ***
Fit value = 0.0000 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12648, 9um Io = 13073

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.0820	(-0.0090)
Sample #2 =	0.0700	(0.0480)
Sample #3 =	0.0470	(0.0630)
Sample #4 =	0.0860	(0.0950)

Avg % Abs = 0.0677 (0.0687)
STD DEV = 0.0196 (0.0240)
REL STD DEV = 28.972 (34.962)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.1000	(0.0090)
Sample #2 =	0.1240	(0.0280)
Sample #3 =	0.1260	(-0.0040)
Sample #4 =	0.1430	(0.0220)

Avg % Abs = 0.1310 (0.0153)
STD DEV = 0.0104 (0.0170)
REL STD DEV = 7.970 (110.933)

Sol Value = 0.040 g/210L ***
Fit value = 0.1905 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12628, 9um Io = 13063

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.7650	(-0.0190)
Sample #2 =	0.7770	(0.0060)
Sample #3 =	0.7630	(0.0200)
Sample #4 =	0.7710	(0.0440)

Avg % Abs = 0.7703 (0.0233)
STD DEV = 0.0070 (0.0192)
REL STD DEV = 0.912 (82.363)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.4640	(-0.0280)
Sample #2 =	1.4740	(-0.0310)
Sample #3 =	1.4550	(-0.0220)
Sample #4 =	1.4640	(-0.0280)

Avg % Abs = 1.4643 (-0.0270)
STD DEV = 0.0095 (0.0046)
REL STD DEV = 0.649 (16.973)

Sol Value = 0.100 g/210L ***
Fit value = 0.4762 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12613, 9um Io = 13059

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.8490	(-0.0340)
Sample #2 =	1.8170	(-0.0020)
Sample #3 =	1.8070	(0.0260)
Sample #4 =	1.8400	(0.0150)

Avg % Abs = 1.8213 (0.0130)
STD DEV = 0.0169 (0.0141)
REL STD DEV = 0.929 (108.513)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.4680	(-0.0310)
Sample #2 =	3.4110	(0.0040)
Sample #3 =	3.4410	(-0.0060)
Sample #4 =	3.4490	(-0.0070)

Avg % Abs = 3.4337 (-0.0030)
STD DEV = 0.0200 (0.0061)
REL STD DEV = 0.583 (202.759)

Sol Value = 0.200 g/210L ***
Fit value = 0.9524 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12609, 9um Io = 13059

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.5510	(-0.0220)
Sample #2 =	3.5440	(0.0400)
Sample #3 =	3.5390	(0.0500)
Sample #4 =	3.5460	(0.0540)

Avg % Abs = 3.5430 (0.0480)
STD DEV = 0.0036 (0.0072)
REL STD DEV = 0.102 (15.023)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	6.5790	(-0.0150)
Sample #2 =	6.5730	(0.0430)
Sample #3 =	6.5610	(0.0470)
Sample #4 =	6.5700	(0.0380)

Avg % Abs = 6.5680 (0.0427)
STD DEV = 0.0062 (0.0045)
REL STD DEV = 0.095 (10.569)

Sol Value = 0.300 g/210L ***
Fit value = 1.4286 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12603, 9um Io = 13053

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	5.1680	(-0.0190)
Sample #2 =	5.1770	(0.0200)
Sample #3 =	5.1370	(0.0300)
Sample #4 =	5.1300	(0.0350)

Avg % Abs = 5.1480 (0.0283)
STD DEV = 0.0254 (0.0076)
REL STD DEV = 0.493 (26.956)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	9.5220	(-0.0230)
Sample #2 =	9.4920	(0.0230)
Sample #3 =	9.4660	(0.0200)
Sample #4 =	9.4690	(0.0070)

Avg % Abs = 9.4757 (0.0167)
STD DEV = 0.0142 (0.0085)
REL STD DEV = 0.150 (51.029)

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

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

Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.068
Std Dev = 0.02 Rel Std Dev = 28.97
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 0.770
Std Dev = 0.01 Rel Std Dev = 0.91
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 1.821
Std Dev = 0.02 Rel Std Dev = 0.93
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 3.543
Std Dev = 0.00 Rel Std Dev = 0.10
Sol Val = 1.4286 mg/l or 0.300 g/210L
% Abs = 5.148
Std Dev = 0.03 Rel Std Dev = 0.49
Zero Order Coef = -152.66
First Order Coef = 2615.67
Second Order Coef = 36.08
Standard Deviation = 32.370148

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

Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.131
Std Dev = 0.01 Rel Std Dev = 7.97
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 1.464
Std Dev = 0.01 Rel Std Dev = 0.65
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 3.434
Std Dev = 0.02 Rel Std Dev = 0.58
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 6.568
Std Dev = 0.01 Rel Std Dev = 0.10
Sol Val = 1.4286 mg/l or 0.300 g/210L
% Abs = 9.476
Std Dev = 0.01 Rel Std Dev = 0.15
Zero Order Coef = -163.65
First Order Coef = 1377.25
Second Order Coef = 15.46
Standard Deviation = 19.941599

Second Opt. Bench Cal. Adj.

Solution Stats Quadratic Fit Chan 1

Act	Fit	Residual
g/210L	g/210L	g/210L
0.000	0.001	-0.0005
0.040	0.040	0.0004
0.100	0.099	0.0006
0.200	0.201	-0.0009
0.300	0.300	0.0004

Solution Stats Quadratic Fit Chan 2

Act	Fit	Residual
g/210L	g/210L	g/210L
0.000	0.000	-0.0004
0.040	0.040	0.0004
0.100	0.100	0.0003
0.200	0.201	-0.0005
0.300	0.300	0.0002

Sol Value = 0.080 g/210L ***
Fit value = 0.3810 mg/l %%%%
Samples Taken = 4, Discarded = 1
***** CHANNEL 1
Sample #1 = 3263.00
Sample #2 = 3390.00
Sample #3 = 3333.00
Sample #4 = 3362.00
Average Result = 3361.6667
STD DEV = 28.5015
REL STD DEV = 0.848
****
***** CHANNEL 2
Sample #1 = 3316.00
Sample #2 = 3366.00
Sample #3 = 3358.00
Sample #4 = 3362.00
Average Result = 3362.0000
STD DEV = 4.0000
REL STD DEV = 0.119
****
Dry Gas H2O Adjust Results **********
Barometric Pressure = 1019
3 um H2O Adjust (mg/l*10,000) = 448
9 um H2O Adjust (mg/l*10,000) = 447
**** AUTO CAL PASS

Second Post Stability Checks

SUMTER COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000815
10/21/2020
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	11:59
Control Test	0.046	12:00
Air Blank	0.000	12:00
Control Test	0.047	12:01
Air Blank	0.000	12:02
Control Test	0.047	12:02
Air Blank	0.000	12:03
Control Test Stats		
Average	0.0467	
Std Dev	0.0006	
Rel Std Dev(%)	1.2372	

Operator's Signature

SUMTER COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000815
10/21/2020
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	12:14
Control Test	0.078	12:14
Air Blank	0.000	12:15
Control Test	0.078	12:16
Air Blank	0.000	12:16
Control Test	0.074	12:17
Air Blank	0.000	12:17
Control Test Stats		
Average	0.0767	
Std Dev	0.0023	
Rel Std Dev(%)	3.0123	

wet

Operator's Signature

SUMTER COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000815
10/21/2020
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	12:19
Control Test	0.199	12:20
Air Blank	0.000	12:20
Control Test	0.199	12:21
Air Blank	0.000	12:22
Control Test	0.199	12:22
Air Blank	0.000	12:23
Control Test Stats		
Average	0.1990	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

Operator's Signature

SUMTER COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000815
10/21/2020
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	12:25
Control Test	0.079	12:25
Air Blank	0.000	12:26
Control Test	0.079	12:26
Air Blank	0.000	12:26
Control Test	0.079	12:27
Air Blank	0.000	12:27
Control Test Stats		
Average	0.0790	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

Dry

Operator's Signature