FDLE

INSTRUMENT PROCESSING SHEET

Florida Department of Law Enforcement

Agency: Volusia CSO S/N 80-006262

Date In 01/23/2023   DI Completion Date 02/01/2023   ■Ship ☐P/U ☐H/D ☐CMI ☐EE

Intake   By TDG
- ■ 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   By TDG   Date 01/26/2023
- ■ Breath Tube Screen
- ■ Replace External O-Rings
- ■ Instrument Set Up Verified
- ■ R-Value 233
- ■ Flow Verification (L/s)

Flow Column # ATP104

32 mm	0.156	(.139 - .169)
36 mm	0.171	(.156 - .190)
53 mm	0.246	(.228 - .278)
103 mm	0.511	(.447 - .547)

- ■ Barometric Pressure Check

Gauge ID # 68639
- ■ Stability Checks

Simulator	Serial #	Lot #/Exp
0.050	MP5092	202201C 01/11/2024
0.080	MP5093	202201D 01/18/2024
0.200	MP5094	202201E 01/18/2024
0.080 DGS	N/A	00521080A2 02/05/2023

Flow Calibration By _____ Date _____

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   By _____
- ☐ Battery Replacement
- ☐ Dry Gas Regulator Replacement
- ☐ Breath Tube Replacement
- ☐ Other _____

Calibration Adjustment   By TDG

Barometric Pressure Gauge 1024   ID # 28199

Simulator	Serial #	Lot #	Expiration
0.000	MP5099	N/A	N/A
0.040	MP5096	21410	09/30/2023
0.100	MP5098	22310	08/11/2024
0.200	MP5100	22050	02/07/2024
0.300	MP5101	22220	06/15/2024
0.080 DGS	N/A	AG115904	06/08/2023

- ■ Post Calibration Adjustment Stability Checks

Simulator	Serial #	Lot #	Expiration
0.050	MP5092	202201C	01/11/2024
0.080	MP5093	202201D	01/18/2024
0.200	MP5094	202201E	01/18/2024
0.080 DGS	N/A	00521080A2	02/05/2023

Department Inspection   By TDG

Barometric Pressure ID# 28663
Gauge 1023   Instrument 1022
Mouth Alcohol Solution Lot # 2021-D
Acetone Stock Solution Lot # 2021-C

Simulator	Serial Number
0.000	MP5095
Interferent	MP5097
0.050	MP5092
0.080	MP5093
0.200	MP5094

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

Notes/Suggested Service: A discretionary optical cal adjust was performed. See notes on Stabilities. (TDG)

- ■ 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 Digitally signed by Israel Soto Date: 2023.02.02 14:24:25 -05'00'
Tech Review / Date

Phil Nicodemo Digitally signed by Phil Nicodemo Date: 2023.02.06 14:14:04 -05'00'
Admin Review / Date

Type of Test	Serial Number	Agency	Date	Performed By
Stabilities	80-00 6262	Volusia (SO)	01/26/2023	TDG MG

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	✓	≤0.003 of Wet	✓

DGS

Column 1 — 0.05g/210L

```
VOLUSIA COUNTY S.O.
Intoxilyzer - Alcohol Analyzer
Model 8000              SN 80-006262
01/26/2023
Software: 8100.27

Test         g/210L         Time
-------------------------------
Air Blank    0.000          14:__
Control Test 0.048          14:__
Air Blank    0.000          14:3_
Control Test 0.048          14:3_
Air Blank    0.000          14:3_
Control Test 0.047          14:3_
Air Blank    0.000          14:__
Control Test Stats
  Average    0.0477
  Std Dev    0.0006
  Rel Std Dev(%) 1.2112
```

```
MG
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Operator's Signature
```

Column 2 — 0.08g/210L

```
VOLUSIA COUNTY S.O.
Intoxilyzer - Alcohol Analyzer
Model 8000              SN 80-006262
01/26/2023
Software: 8100.27

Test         g/210L         Time
-------------------------------
Air Blank    0.000          14:43
Control Test 0.077          14:44
Air Blank    0.000          14:44
Control Test 0.077          14:45
Air Blank    0.000          14:45
Control Test 0.077          14:46
Air Blank    0.000          14:46
Control Test Stats
  Average    0.0770
  Std Dev    0.0003
  Rel Std Dev(%) 0.0000
```

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MG
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Operator's Signature
```

Column 3 — 0.20g/210L

```
VOLUSIA COUNTY S.O.
Intoxilyzer - Alcohol Analyzer
Model 8000              SN 80-006262
01/26/2023
Software: 8100.27

Test         g/210L         Time
-------------------------------
Air Blank    0.000          14:52
Control Test 0.197          14:52
Air Blank    0.000          14:53
Control Test 0.197          14:54
Air Blank    0.000          14:54
Control Test 0.196          14:55
Air Blank    0.000          14:5_
Control Test Stats
  Average    0.1967
  Std Dev    0.0006
  Rel Std Dev(%) 0.2936
```

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MG
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Operator's Signature
```

Column 4 — DGS 0.08g/210L

```
VOLUSIA COUNTY S.O.
Intoxilyzer - Alcohol Analyzer
Model 8000              SN 80-006262
01/26/2023
Software: 8100.27

Test         g/210L         Time
-------------------------------
Air Blank    0.000          14:56
Control Test 0.081          14:56
Air Blank    0.000          14:57
Control Test 0.079          14:57
Air Blank    0.000          14:58
Control Test 0.079          14:58
Air Blank    0.000          14:59
Control Test Stats
  Average    0.0797
  Std Dev    0.0012
  Rel Std Dev(%) 1.4494
```

```
MG
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Operator's Signature
```

Comments: Will perform a discretional optical cal adjust to bring the 0.08 ARS and DGS tests into more nominal agreement. MG 01/26/2023

VOLUSIA COUNTY S.O.
Intoxilyzer - Alcohol Analyzer
Model 8000   SN 80-006262
02/01/2023   10:54:08

Auto Calibration
Max Power Res Value = 115
Auto Range Res Value = 77

Sol Value = 0.000 g/210L ***
Fit value = 0.0000 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12736, 9um Io = 12680
<<<<< CHANNEL 1 >>>>>

Sample	% Abs	(% Abs Ref)
Sample #1	0.1200	(-0.0030)
Sample #2	0.0850	(0.0400)
Sample #3	0.0880	(0.0610)
Sample #4	0.1320	(0.0640)
Avg % Abs = 0.1017	(0.0550)	
STD DEV = 0.0263	(0.0131)	
REL STD DEV = 25.881	(23.776)	

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

Sample	% Abs	(% Abs Ref)
Sample #1	0.2110	(-0.0100)
Sample #2	0.2040	(-0.0130)
Sample #3	0.2040	(0.0050)
Sample #4	0.2300	(-0.0010)
Avg % Abs = 0.2127	(-0.0030)	
STD DEV = 0.0150	(0.0092)	
REL STD DEV = 7.059	(305.505)	

Sol Value = 0.040 g/210L ***
Fit value = 0.1905 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12720, 9um Io = 12874
<<<<< CHANNEL 1 >>>>>

Sample	% Abs	(% Abs Ref)
Sample #1	0.8320	(-0.0130)
Sample #2	0.8000	(0.0300)
Sample #3	0.7600	(0.0570)
Sample #4	0.7900	(0.0480)
Avg % Abs = 0.7833	(0.0450)	
STD DEV = 0.0208	(0.0137)	
REL STD DEV = 2.657	(30.551)	

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

Sample	% Abs	(% Abs Ref)
Sample #1	1.6300	(-0.0230)
Sample #2	1.6200	(0.0030)
Sample #3	1.6030	(0.0200)
Sample #4	1.6000	(0.0170)
Avg % Abs = 1.6077	(0.0133)	
STD DEV = 0.0108	(0.0091)	
REL STD DEV = 0.671	(68.053)	

Sol Value = 0.100 g/210L ***
Fit value = 0.4762 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12708, 9um Io = 12867
<<<<< CHANNEL 1 >>>>>

Sample	% Abs	(% Abs Ref)
Sample #1	1.8270	(-0.0100)
Sample #2	1.7880	(0.0140)
Sample #3	1.8110	(0.0220)
Sample #4	1.7830	(0.0500)
Avg % Abs = 1.7940	(0.0287)	
STD DEV = 0.0149	(0.0189)	
REL STD DEV = 0.832	(65.942)	

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

Sample	% Abs	(% Abs Ref)
Sample #1	3.6660	(-0.0200)
Sample #2	3.6240	(0.0050)
Sample #3	3.6090	(0.0320)
Sample #4	3.5880	(0.0330)
Avg % Abs = 3.6070	(0.0233)	
STD DEV = 0.0181	(0.0159)	
REL STD DEV = 0.501	(68.079)	

Sol Value = 0.200 g/210L ***
Fit value = 0.9524 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12692, 9um Io = 12859
<<<<< CHANNEL 1 >>>>>

Sample	% Abs	(% Abs Ref)
Sample #1	3.4670	(-0.0010)
Sample #2	3.4080	(0.0420)
Sample #3	3.4460	(0.0140)
Sample #4	3.4400	(0.0550)
Avg % Abs = 3.4313	(0.0370)	
STD DEV = 0.0204	(0.0210)	
REL STD DEV = 0.595	(56.628)	

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

Sample	% Abs	(% Abs Ref)
Sample #1	6.8860	(0.0110)
Sample #2	6.8470	(0.0500)
Sample #3	6.8480	(0.0280)
Sample #4	6.8600	(0.0370)
Avg % Abs = 6.8517	(0.0383)	
STD DEV = 0.0072	(0.0111)	
REL STD DEV = 0.106	(28.853)	

Sol Value = 0.300 g/210L ***
Fit value = 1.4286 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12687, 9um Io = 12863
<<<<< CHANNEL 1 >>>>>

Sample	% Abs	(% Abs Ref)
Sample #1	5.0900	(-0.0070)
Sample #2	5.0880	(0.0000)
Sample #3	5.0660	(0.0120)
Sample #4	5.0360	(0.0240)
Avg % Abs = 5.0633	(0.0120)	
STD DEV = 0.0261	(0.0120)	
REL STD DEV = 0.516	(100.000)	

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

Sample	% Abs	(% Abs Ref)
Sample #1	9.9830	(0.0190)
Sample #2	9.9900	(0.0150)
Sample #3	9.9650	(0.0290)
Sample #4	9.9760	(0.0310)
Avg % Abs = 9.9770	(0.0250)	
STD DEV = 0.0125	(0.0087)	
REL STD DEV = 0.126	(34.871)	

***** AUTO CAL DATA *****
<<<<< CHANNEL 1 >>>>>
Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.102
  Std Dev = 0.03 Rel Std Dev = 25.88
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 0.783
  Std Dev = 0.02 Rel Std Dev = 2.66
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 1.794
  Std Dev = 0.01 Rel Std Dev = 0.83
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 3.431
  Std Dev = 0.02 Rel Std Dev = 0.60
Sol Val = 1.4286 mg/l or 0.300 g/210L
% Abs = 5.063
  Std Dev = 0.03 Rel Std Dev = 0.52
Zero Order Coef = -294.04
First Order Coef = 2800.19
Second Order Coef = 15.95
Standard Deviation = 15.714912

<<<<< CHANNEL 2 >>>>>
Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.213
  Std Dev = 0.02 Rel Std Dev = 7.06
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 1.608
  Std Dev = 0.01 Rel Std Dev = 0.67
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 3.607
  Std Dev = 0.02 Rel Std Dev = 0.50
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 6.852
  Std Dev = 0.01 Rel Std Dev = 0.11
Sol Val = 1.4286 mg/l or 0.300 g/210L
% Abs = 9.977
  Std Dev = 0.01 Rel Std Dev = 0.13
Zero Order Coef = -302.60
First Order Coef = 1369.26
Second Order Coef = 9.34
Standard Deviation = 11.283382

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	-0.0001
0.100	0.100	-0.0004
0.200	0.200	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	-0.000	0.0002
0.040	0.040	-0.0004
0.100	0.100	0.0001
0.200	0.200	0.0001
0.300	0.300	-0.0001

Sol Value = 0.080 g/210L ***
Fit value = 0.3810 mg/l %%%%
Samples Taken = 4, Discarded = 1
***** CHANNEL 1
Sample #1 = 2960.00
Sample #2 = 2969.00
Sample #3 = 2934.00
Sample #4 = 2872.00
Average Result = 2925.0000
STD DEV = 49.1223
REL STD DEV = 1.679
****
***** CHANNEL 2
Sample #1 = 3175.00
Sample #2 = 3060.00
Sample #3 = 3116.00
Sample #4 = 3103.00
Average Result = 3093.0000
STD DEV = 29.3087
REL STD DEV = 0.948
****
Dry Gas H2O Adjust Results **********
  Barometric Pressure = 1023
  3 um H2O Adjust (mg/l*10,000) = 884
  9 um H2O Adjust (mg/l*10,000) = 716
**** AUTO CAL PASS

Optical Calibration	
SN:	80-00 6242
Agency:	Volusia CSO
Date:	02 / 01 / 2023
Quadratic Fit:	+/- 0.002g/210L
By:	TDG MG

Type of Test		Serial Number	Agency			Date		Performed By
Stabilities (Post-Cal)		80-00 6262	Volusia CSO			02/01/2023		TDG MG

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	✓	≤0.003 of Wet	✓

Column 1 (0.05g/210L):

```
VOLUSIA COUNTY S.O.
Intoxilyzer - Alcohol Analyzer
Model 8000            SN 80-006262
02/01/2023
Software: 8100.27

Test          g/210L         Time
-------------------------------------
Air Blank      0.000        12:23
Control Test   0.050        12:24
Air Blank      0.000        12:25
Control Test   0.049        12:25
Air Blank      0.000        12:26
Control Test   0.049        12:26
Air Blank      0.000        12:27
Control Test Stats
  Average      0.0493
  Std Dev      0.0006
  Rel Std Dev(%)  1.1703
```

Operator's Signature: MG

Column 2 (0.08g/210L):

```
VOLUSIA COUNTY S.O.
Intoxilyzer - Alcohol Analyzer
Model 8000            SN 80-006262
02/01/2023
Software: 8100.27

Test          g/210L         Time
-------------------------------------
Air Blank      0.000        12:14
Control Test   0.079        12:15
Air Blank      0.000        12:15
Control Test   0.079        12:06
Air Blank      0.000        12:07
Control Test   0.079        12:07
Air Blank      0.000        12:08
Control Test Stats
  Average      0.0790
  Std Dev      0.0000
  Rel Std Dev(%)  0.0000
```

Operator's Signature: MG

Column 3 (0.20g/210L):

```
VOLUSIA COUNTY S.O.
Intoxilyzer - Alcohol Analyzer
Model 8000            SN 80-006262
02/01/2023
Software: 8100.27

Test          g/210L         Time
-------------------------------------
Air Blank      0.000        12:17
Control Test   0.200        12:18
Air Blank      0.000        12:19
Control Test   0.200        12:19
Air Blank      0.000        12:20
Control Test   0.200        12:21
Air Blank      0.000        12:21
Control Test Stats
  Average      0.2000
  Std Dev      0.0000
  Rel Std Dev(%)  0.0000
```

Operator's Signature: MG

Column 4 (DGS 0.08g/210L):

OGS

```
VOLUSIA COUNTY S.O.
Intoxilyzer - Alcohol Analyzer
Model 8000            SN 80-006262
02/01/2023
Software: 8100.27

Test          g/210L         Time
-------------------------------------
Air Blank      0.000        12:11
Control Test   0.082        12:12
Air Blank      0.000        12:12
Control Test   0.079        12:13
Air Blank      0.000        12:13
Control Test   0.079        12:13
Air Blank      0.000        12:14
Control Test Stats
  Average      0.0800
  Std Dev      0.0017
  Rel Std Dev(%)  2.1651
```

Operator's Signature: MG

Comments:

Florida Department of Law Enforcement
Alcohol Testing Program

DEPARTMENT INSPECTION REPORT – INTOXILYZER 8000

Agency: VOLUSIA COUNTY S.O.
Time of Inspection: 14:52   Date of Inspection: 02/01/2023
Serial Number: 80-006262
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#:202201C Exp: 01/11/2024	0.08g/210L Test (g/210L) Lot#:202201D Exp: 01/18/2024	0.20g/210L Test (g/210L) Lot#:202201E Exp: 01/18/2024	0.08 g/210L Dry Gas Std Test (g/210L) Lot#:00521080A2 Exp: 02/05/2023
0.000	0.049	0.078	0.199	0.081
0.000	0.049	0.079	0.199	0.081
0.000	0.050	0.078	0.199	0.081
0.000	0.050	0.078	0.199	0.081
0.000	0.049	0.079	0.198	0.081
0.000	0.049	0.078	0.199	0.081
0.000	0.049	0.079	0.199	0.081
0.000	0.050	0.078	0.199	0.081
0.000	0.050	0.079	0.199	0.081
0.000	0.050	0.079	0.199	0.081
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:

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.

Taylor D Gutschow (signature)   TAYLOR D GUTSCHOW
Signature and Printed Name

02/01/2023
Date

Calibration Certificate

This is to certify the calibration of Intoxilyzer 8000 serial number 80-006262 , manufactured by CMI, Inc. was calibrated in accordance with FDLE/ATP Form 36 - Department Inspection Procedures - Intoxilyzer 8000.

		UNCERTAINTY* ±	
Serial Number:	80-006262		
Owning Agency:	VOLUSIA COUNTY S.O.	0.050 g/ 210 L	0.004
Calibration Date:	02/01/2023	0.080 g/ 210 L	0.004
Calibration Time:	14:52	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. Simulator temperatures are checked with NIST traceable digital thermometers calibrated by Precision Metrology in accordance with ISO/ IEC 17025 standards.

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

02/01/2023
Date

TAYLOR D GUTSCHOW,
Department Inspector

Service • Integrity • Respect • Quality

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