FDLE
Alcohol Testing Program

INSTRUMENT PROCESSING SHEET

Agency FWC S/N 80-000891

Date In 10/27/16 Date Out 11/3/16 ☐Ship ☒P/U ☐H/D ☐CMI ☐EE

RECEIVED NOV 04 2016 FDLE Alcohol Testing Program

Intake Performed By DP

- ☐ Registration
- ☒ Annual
- ☐ Return from CMI
- ☐ Return from Enforcement Electronics
- ☐ Other

Visual Inspection:

- ok Case
- ok Dry Gas Holder
- ok Keyboard/Plug
- ok Screws tight
- ok Handle
- ok Feet
- ok Back/Plugs
- ok Breath Hose

Other Equipment:

- ☐ Power cord
- ☐ Printer Cable
- ☒ Other Dry Gas (Wet/Kelin)

Notes:

Quality Checks Performed By

- ☐ Breath Tube Screen
- ☐ Replace O-Rings
- ☐ Instrument Set Up Verified
- ☐ R-Value
- ☐ Flow Verification (L/s)
  - Flow Column #
  - 32mm _____ (.139 - .169)
  - 36mm _____ (.156 - .190)
  - 53mm _____ (.228 - .278)
  - 103mm _____ (.447 - .547)
- ☐ Barometric Pressure Check
  - Gauge ID #
- ☐ Stability Checks

Simulator	Serial #	Lot #/Exp
0.05		
0.08		
0.20		
0.08 DGS	N/A	

Flow Calibration Performed By

- ☐ Flow Calibration N/A
- ☐ Flow Calibration Complete
  - Flow Column #
  - ☐ 5L/min – 17mm
  - ☐ 15L/min – 36mm
  - ☐ 30L/min – 103mm
- ☐ R-Value
- ☐ Post Calibration Verification (L/s)
  - Flow Column #
  - 32mm _____ (.139 - .169)
  - 36mm _____ (.156 - .190)
  - 53mm _____ (.228 - .278)
  - 103mm _____ (.447 - .547)

Maintenance Performed By

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

Suggested Service

Optical Bench Calibration Performed By PSM

- ☐ Optical Bench Calibration N/A
- ☒ Optical Bench Calibration Complete

Barometric Pressure Gauge 1023 ID # 26932

Simulator	Serial Number	Lot Number	Expiration
0.000	64444	N/A	N/A
0.040	SD1024	16101	2/2/18
0.100	SD1013	16001	5/8/18
0.200	SD1012	16103	6/14/18
0.400	66621	16102	3/22/18
0.080 DGS	N/A	0341508OA1	3/5/17

☒ Post Calibration Stability Checks

Simulator	Serial Number	Lot Number	Expiration
0.05	SD1018	201507A	7/14/17
0.08	SD1011	201601F	1/26/18
0.20	SD1025	201604C	4/5/18
0.08 DGS	N/A	AG619605	7/14/18

Department Inspection Performed By PSM

☒ Barometric Pressure ID# 28427 — 1024 Gauge / 1024 Instrument

Mouth Alcohol Solution Lot # 2016-A

Acetone Stock Solution Lot # 2016-B

Simulator	Serial Number
0.00	SD1019
Interferent	SD1021
0.05	SD1018
0.08	SD1011
0.20	SD1025

Attachments

- ☒ Form 41
- ☐ Pre-Stability Tests
- ☐ Flow Calibration
- ☒ Optical Bench Cal
- ☒ Post-Stability Tests
- ☒ Other EXPERIMENTAL BREATH TESTS

Notes: CALIBRATED BY AGENCY REQUEST TO BRING VALUES CLOSER TO NOMINAL. QC'S & QUALITY CHECKS DONE IN SEPTEMBER

- ☒ **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**

Brett Knickerbocker
Quality Control Review

11/4/16
Date

Revised November 2012

FWC
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000891
11/03/2016 09:14:33

Auto Calibration
Max Power Res Value = 31
Auto Range Res Value = 8

Sol Value = 0.000 g/210L ***
Fit value = 0.0000 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12963, 9um Io = 13844

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.1280	(-0.0190)
Sample #2 =	0.0980	(0.0250)
Sample #3 =	0.1070	(0.0850)
Sample #4 =	0.0790	(0.1210)

Avg % Abs = 0.0947 (0.0770)
STD DEV = 0.0143 (0.0485)
REL STD DEV = 15.100 (62.984)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.1730	(-0.0080)
Sample #2 =	0.1760	(0.0010)
Sample #3 =	0.1580	(0.0290)
Sample #4 =	0.1690	(0.0400)

Avg % Abs = 0.1677 (0.0233)
STD DEV = 0.0091 (0.0201)
REL STD DEV = 5.412 (86.177)

Sol Value = 0.040 g/210L ***
Fit value = 0.1905 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12949, 9um Io = 13839

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.8020	(0.0080)
Sample #2 =	0.7860	(0.0480)
Sample #3 =	0.7910	(0.0500)
Sample #4 =	0.8020	(0.0700)

Avg % Abs = 0.7930 (0.0560)
STD DEV = 0.0082 (0.0122)
REL STD DEV = 1.032 (21.724)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.5730	(0.0040)
Sample #2 =	1.5690	(0.0240)
Sample #3 =	1.5650	(0.0190)
Sample #4 =	1.5640	(0.0320)

Avg % Abs = 1.5660 (0.0250)
STD DEV = 0.0026 (0.0066)
REL STD DEV = 0.169 (26.230)

Sol Value = 0.100 g/210L ***
Fit value = 0.4762 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12891, 9um Io = 13817

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.8760	(-0.0180)
Sample #2 =	1.8060	(0.0400)
Sample #3 =	1.8120	(0.0670)
Sample #4 =	1.8470	(0.0610)

Avg % Abs = 1.8217 (0.0560)
STD DEV = 0.0221 (0.0142)
REL STD DEV = 1.216 (25.317)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.6720	(-0.0210)
Sample #2 =	3.6390	(0.0080)
Sample #3 =	3.6780	(0.0150)
Sample #4 =	3.6710	(0.0200)

Avg % Abs = 3.6627 (0.0143)
STD DEV = 0.0208 (0.0060)
REL STD DEV = 0.568 (42.054)

Sol Value = 0.200 g/210L ***
Fit value = 0.9524 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12909, 9um Io = 13821

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.5170	(-0.0080)
Sample #2 =	3.4770	(0.0390)
Sample #3 =	3.5180	(0.0500)
Sample #4 =	3.5080	(0.0390)

Avg % Abs = 3.5010 (0.0427)
STD DEV = 0.0214 (0.0064)
REL STD DEV = 0.611 (14.885)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	7.0210	(-0.0100)
Sample #2 =	6.9820	(0.0140)
Sample #3 =	7.0270	(0.0150)
Sample #4 =	7.0280	(0.0090)

Avg % Abs = 7.0123 (0.0127)
STD DEV = 0.0263 (0.0032)
REL STD DEV = 0.375 (25.378)

Sol Value = 0.400 g/210L ***
Fit value = 1.9048 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12865, 9um Io = 13804

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	6.6060	(-0.0070)
Sample #2 =	6.6240	(0.0000)
Sample #3 =	6.6020	(0.0280)
Sample #4 =	6.6200	(0.0100)

Avg % Abs = 6.6153 (0.0127)
STD DEV = 0.0117 (0.0142)
REL STD DEV = 0.177 (112.020)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	12.9520	(-0.0140)
Sample #2 =	12.9670	(-0.0080)
Sample #3 =	12.9570	(0.0100)
Sample #4 =	12.9670	(-0.0100)

Avg % Abs = 12.9637 (-0.0027)
STD DEV = 0.0058 (0.0110)
REL STD DEV = 0.045 (413.068)

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

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

Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.095
Std Dev = 0.01 Rel Std Dev = 15.18
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 0.793
Std Dev = 0.01 Rel Std Dev = 1.03
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 1.822
Std Dev = 0.02 Rel Std Dev = 1.22
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 3.501
Std Dev = 0.02 Rel Std Dev = 0.61
Sol Val = 1.9048 mg/l or 0.400 g/210L
% Abs = 6.615
Std Dev = 0.01 Rel Std Dev = 0.18
Zero Order Coef = -236.98
First Order Coef = 2659.92
Second Order Coef = 38.47
Standard Deviation = 19.477987

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

Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.168
Std Dev = 0.01 Rel Std Dev = 5.41
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 1.566
Std Dev = 0.00 Rel Std Dev = 0.17
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 3.663
Std Dev = 0.02 Rel Std Dev = 0.57
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 7.012
Std Dev = 0.03 Rel Std Dev = 0.37
Sol Val = 1.9048 mg/l or 0.400 g/210L
% Abs = 12.964
Std Dev = 0.01 Rel Std Dev = 0.04
Zero Order Coef = -175.46
First Order Coef = 1280.59
Second Order Coef = 15.54
Standard Deviation = 40.372635

SP BK

Solution Stats Quadratic Fit Chan 1		
Act	Fit	Residual
g/210L	g/210L	g/210L
0.000	0.000	-0.0003
0.040	0.040	0.0002
0.100	0.099	0.0005
0.200	0.200	-0.0005
0.400	0.400	0.0001

Solution Stats Quadratic Fit Chan 2		
Act	Fit	Residual
g/210L	g/210L	g/210L
0.000	0.001	-0.0008
0.040	0.039	0.0008
0.100	0.099	0.0008
0.200	0.201	-0.0009
0.400	0.400	0.0002

Sol Value = 0.080 g/210L ***
Fit value = 0.3810 mg/l %%%%
Samples Taken = 4, Discarded = 1
***** CHANNEL 1
Sample #1 = 2963.00
Sample #2 = 2985.00
Sample #3 = 2928.00
Sample #4 = 2980.00
Average Result = 2964.3333
STD DEV = 31.5647
REL STD DEV = 1.065
****
***** CHANNEL 2
Sample #1 = 3141.00
Sample #2 = 3166.00
Sample #3 = 3154.00
Sample #4 = 3173.00
Average Result = 3164.3333
STD DEV = 9.6090
REL STD DEV = 0.304
****
Dry Gas H2O Adjust Results **********
Barometric Pressure = 1024
3 um H2O Adjust (mg/l*10,000) = 845
9 um H2O Adjust (mg/l*10,000) = 645
**** AUTO CAL PASS

SP

FWC
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000891
11/03/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:57
Control Test	0.050	09:58
Air Blank	0.000	09:58
Control Test	0.050	09:59
Air Blank	0.000	10:00
Control Test	0.049	10:00
Air Blank	0.000	10:01
Control Test Stats		
Average	0.0497	
Std Dev	0.0006	
Rel Std Dev(%)	1.1625	

Operator's Signature

FWC
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000891
11/03/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	10:07
Control Test	0.195	10:08
Air Blank	0.000	10:08
Control Test	0.197	10:09
Air Blank	0.000	10:09
Control Test	0.197	10:10
Air Blank	0.000	10:11
Control Test Stats		
Average	0.1963	
Std Dev	0.0012	
Rel Std Dev(%)	0.5881	

Operator's Signature

FWC
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000891
11/03/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	10:02
Control Test	0.079	10:03
Air Blank	0.000	10:03
Control Test	0.080	10:04
Air Blank	0.000	10:05
Control Test	0.079	10:05
Air Blank	0.000	10:06
Control Test Stats		
Average	0.0793	
Std Dev	0.0006	
Rel Std Dev(%)	0.7277	

Operator's Signature

BK

FWC
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000891
11/03/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	10:12
Control Test	0.081	10:13
Air Blank	0.000	10:13
Control Test	0.080	10:13
Air Blank	0.000	10:14
Control Test	0.080	10:14
Air Blank	0.000	10:15
Control Test Stats		
Average	0.0803	
Std Dev	0.0006	
Rel Std Dev(%)	0.7187	

DGS

Operator's Signature

Experimental breath tests, Jarrod Molnar present

FWC
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000891
10/28/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	06:49
Subject Sample #1	0.007	06:51
Air Blank	0.000	06:51

P Murphy
Operator's Signature

FWC
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000891
10/28/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	06:58
Subject Sample #1	0.000	06:59
Air Blank	0.000	06:59

SP

P Murphy
Operator's Signature

FWC
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000891
10/28/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	06:53
Subject Sample #1	0.000	06:54
Air Blank	0.000	06:54

MSK

P Murphy
Operator's Signature

FDLE
Alcohol Testing Program

INSTRUMENT PROCESSING SHEET

Agency FWC S/N 80-000891

Date In 10/27/16 Date Out _____ ☐Ship ☐P/U ☐H/D ☐CMI ☐EE

RECEIVED NOV 04 2016 FDLE Alcohol Testing Program

Intake Performed By [illegible]

- ☐ Registration
- ☒ Annual
- ☐ Return from CMI
- ☐ Return from Enforcement Electronics
- ☐ Other _____

Visual Inspection:

- ok Case
- ok Dry Gas Holder
- ok Keyboard/Plug
- ok Screws tight
- ok Handle
- ok Feet
- ok Back/Plugs
- ok Breath Hose

Other Equipment:

- ☐ Power cord
- ☐ Printer Cable
- ☒ Other Dry gas (walked in)

Notes: _____

Quality Checks Performed By _____

- ☐ Breath Tube Screen
- ☐ Replace O-Rings
- ☐ Instrument Set Up Verified
- ☐ R-Value _____
- ☐ Flow Verification (L/s)
  - Flow Column # _____
  - 32mm _____ (.139 - .169)
  - 36mm _____ (.156 - .190)
  - 53mm _____ (.228 - .278)
  - 103mm _____ (.447 - .547)
- ☐ Barometric Pressure Check
  - Gauge ID # _____
- ☐ Stability Checks RFM 11/3/16

Simulator	Serial #	Lot #/Exp
0.05	SD1018	201507A 7/14/17
0.08	SD1011	201601F 1/26/18
0.20	SD1025	201604C 4/5/18
0.08 DGS	N/A	AG619605

Flow Calibration Performed By _____

- ☐ Flow Calibration N/A
- ☐ Flow Calibration Complete
  - Flow Column # _____
  - ☐ 5L/min – 17mm
  - ☐ 15L/min – 53mm
  - ☐ 30L/min – 103mm
- ☐ R-Value _____
- ☐ Post Calibration Verification (L/s)
  - Flow Column # _____
  - 32mm _____ (.139 - .169)
  - 36mm _____ (.156 - .190)
  - 53mm _____ (.228 - .278)
  - 103mm _____ (.447 - .547)

Maintenance Performed By _____

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

Suggested Service

Optical Bench Calibration Performed By _____

- ☐ Optical Bench Calibration N/A
- ☐ Optical Bench Calibration Complete

Barometric Pressure Gauge _____ ID # _____

Simulator	Serial Number	Lot Number	Expiration
0.000	G4444	N/A	N/A
0.040	SD1024	16101	2/2/18
0.100	SD1013	16001	5/8/18
0.200	SD1012	16103	6/14/18
0.400	G6621	16102	3/22/18
0.080 DGS	N/A	03415080A1	3/5/17

- ☐ Post Calibration Stability Checks

Simulator	Serial Number	Lot Number	Expiration
0.05	SD1018	201507A	7/14/17
0.08	SD1011	201601F	1/26/2018
0.20	SD1025	201604C	04/05/18
0.08 DGS	N/A	AG619605	7/14/18

Department Inspection Performed By _____

- ☐ Barometric Pressure _____ Gauge
  - ID# _____ _____ Instrument

Mouth Alcohol Solution Lot # _____

Acetone Stock Solution Lot # _____

Simulator	Serial Number
0.00	
Interferent	
0.05	
0.08	
0.20	

Attachments

- ☐ Form 41
- ☐ Pre-Stability Tests
- ☐ Flow Calibration
- ☐ Optical Bench Cal
- ☐ Post-Stability Tests
- ☐ Other _____

Notes: VOIDED

- ☐ **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**

Quality Control Review _____ Date _____

Revised November 2012

FDLE
Alcohol Testing Program

INSTRUMENT PROCESSING SHEET

Agency FWC S/N 80-000891

Date In 9/28/16 Date Out 9/28/16 ☐Ship ☒P/U ☐H/D ☐CMI ☐EE

RECEIVED
SEP 29 2016
FDLE
Alcohol Testing Program

Intake Performed By QWS

- ☐ Registration
- ☒ Annual
- ☐ Return from CMI
- ☐ Return from Enforcement
- ☐ Other

Visual Inspection:

OK Case	OK Handle
OK Dry Gas Holder	OK Feet
OK Keyboard/Plug	OK Back/Plugs
OK Screws tight	OK Breath Hose

Other Equipment:
- ☐ Power cord
- ☐ Printer Cable
- ☐ Other

Notes:

Quality Checks Performed By QWS

- ☒ Breath Tube Screen
- ☒ Replace O-Rings
- ☒ Instrument Set Up Verified
- ☒ R-Value 202
- ☒ Flow Verification (L/s)
  - Flow Column # ATP102
  - 32mm 144 (.139 - .169)
  - 36mm 164 (.156 - .190)
  - 53mm 234 (.228 - .278)
  - 103mm 503 (.447 - .547)
- ☒ Barometric Pressure Check
  - Gauge ID # 28427
- ☒ Stability Checks

Simulator	Serial #	Lot #/Exp
0.05	SD1013	201507A 7/14/17
0.08	DR1279	201601F 1/26/18
0.20	DR3856	201604C 4/5/18
0.08 DGS	N/A	AG612405 5/3/18

Flow Calibration Performed By

- ☒ Flow Calibration N/A
- ☐ Flow Calibration Complete
  - Flow Column #
  - ☐ 5L/min – 17mm
  - ☐ 15L/min – 53mm
  - ☐ 30L/min – 103mm
- ☐ R-Value
- ☐ Post Calibration Verification (L/s)
  - Flow Column #
  - 32mm (.139 - .169)
  - 36mm (.156 - .190)
  - 53mm (.228 - .278)
  - 103mm (.447 - .547)

Maintenance Performed By

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

Suggested Service

Optical Bench Calibration Performed By QWS

- ☐ Optical Bench Calibration N/A
- ☒ Optical Bench Calibration Complete

Barometric Pressure Gauge 1013 ID # 26932

Simulator	Serial Number	Lot Number	Expiration
0.000	G2835	N/A	N/A
0.040	SD1024	16101	2/2/18
0.100	SD1012	16001	5/8/18
0.200	G2407	16103	6/14/18
0.400	DR3855	16102	3/22/18
0.080 DGS	N/A	0341508041	3/5/17

☒ Post Calibration Stability Checks

Simulator	Serial Number	Lot Number	Expiration
0.05	SD1013	201507A	7/14/17
0.08	DR1279	201601F	1/26/18
0.20	DR3856	201604C	4/5/18
0.08 DGS	N/A		

Department Inspection Performed By QWS

☒ Barometric Pressure ID# 28427
- 1014 Gauge
- 1012 Instrument

Mouth Alcohol Solution Lot # 2016-A

Acetone Stock Solution Lot # 2016-B

Simulator	Serial Number
0.00	SD1016
Interferent	SD1022
0.05	SD1013
0.08	DR1279
0.20	DR3856

Attachments

- ☒ Form 41
- ☒ Pre-Stability Tests
- ☐ Flow Calibration
- ☒ Optical Bench Cal
- ☒ Post-Stability Tests
- ☐ Other

Notes: All stabilities within range. Calibrated Optical Bench to bring values closer to nominal. QWS

QC: SP

☒ **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**

Scott Kirkland
Quality Control Review

9/29/16
Date

Revised November 2012

Stability Tests – FWC #80-000891 9/28/16
Pre-Calibration

FWC
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000891
09/28/2016
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	0.047	09:36
Air Blank	0.000	09:37
Control Test	0.048	09:37
Air Blank	0.000	09:38
Control Test Stats		
Average	0.0477	
Std Dev	0.0006	
Rel Std Dev(%)	1.2112	

PWS
Operator's Signature

FWC
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000891
09/28/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:52
Control Test	0.078	09:52
Air Blank	0.000	09:53
Control Test	0.077	09:53
Air Blank	0.000	09:54
Control Test	0.077	09:55
Air Blank	0.000	09:55
Control Test Stats		
Average	0.0773	
Std Dev	0.0006	
Rel Std Dev(%)	0.7466	

PWS
Operator's Signature

FWC
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000891
09/28/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:43
Control Test	0.195	09:44
Air Blank	0.000	09:44
Control Test	0.194	09:45
Air Blank	0.000	09:45
Control Test	0.195	09:46
Air Blank	0.000	09:47
Control Test Stats		
Average	0.1947	
Std Dev	0.0006	
Rel Std Dev(%)	0.2966	

PWS
Operator's Signature

FWC
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000891
09/28/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:59
Control Test	0.077	09:59
Air Blank	0.000	10:00
Control Test	0.079	10:00
Air Blank	0.000	10:01
Control Test	0.077	10:01
Air Blank	0.000	10:02
Control Test Stats		
Average	0.0777	
Std Dev	0.0012	
Rel Std Dev(%)	1.4867	

DGS

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PWS
Operator's Signature

Optical Bench Calibration

FWC
#80-000891
9/28/16

FWC
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000891
09/28/2016 11:16:27

Auto Calibration
Max Power Res Value = 31
Auto Range Res Value = 7

Sol Value = 0.000 g/210L ***
Fit value = 0.0000 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12628, 9um Io = 13651

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.0130	(0.0070)
Sample #2 =	-0.0080	(0.0650)
Sample #3 =	0.0370	(0.0910)
Sample #4 =	0.0380	(0.0960)
Avg % Abs =	0.0223	(0.0840)
STD DEV =	0.0263	(0.0166)
REL STD DEV =	117.646	(19.813)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.0070	(0.0000)
Sample #2 =	-0.0010	(0.0270)
Sample #3 =	-0.0040	(0.0470)
Sample #4 =	0.0090	(0.0340)
Avg % Abs =	[illegible]	
STD DEV =	[illegible]	
REL STD [illegible]		

Sol [illegible]
Fit [illegible]
Samples Taken = 4, Discarded = 1
3um Io = 12599, 9um Io = 13638

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.7880	(-0.0110)
Sample #2 =	0.7740	(0.0030)
Sample #3 =	0.7840	(0.0410)
Sample #4 =	0.7660	(0.0750)
Avg % Abs =	0.7747	(0.0397)
STD DEV =	0.0090	(0.0360)
REL STD DEV =	1.164	(90.803)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.5300	(-0.0130)
Sample #2 =	1.5110	(0.0010)
Sample #3 =	1.5220	(0.0220)
Sample #4 =	1.4940	(0.0380)
Avg % Abs =	1.5090	(0.0203)
STD DEV =	0.0141	(0.0186)
REL STD DEV =	0.935	(91.260)

Sol Value = 0.100 g/210L ***
Fit value = 0.4762 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12552, 9um Io = 13623

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.7940	(-0.0130)
Sample #2 =	1.8200	(-0.0120)
Sample #3 =	1.7990	(0.0190)
Sample #4 =	1.8330	(0.0280)
Avg % Abs =	1.8173	(0.0117)
STD DEV =	0.0172	(0.0210)
REL STD DEV =	0.944	(179.864)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.5710	(-0.0020)
Sample #2 =	3.5870	(-0.0060)
Sample #3 =	3.5940	(0.0020)
Sample #4 =	3.5960	(0.0190)
Avg % Abs =	3.5923	(0.0050)
STD [illegible]		
REL STD [illegible]		

[illegible]
Fit [illegible]
Samples Taken = 4, Discarded = 1
3um Io = 12573, 9um Io = 13628

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.4700	(-0.0380)
Sample #2 =	3.5020	(-0.0110)
Sample #3 =	3.4750	(0.0210)
Sample #4 =	3.4680	(0.0390)
Avg % Abs =	3.4817	(0.0163)
STD DEV =	0.0180	(0.0253)
REL STD DEV =	0.516	(155.048)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	6.8640	(-0.0070)
Sample #2 =	6.9270	(-0.0150)
Sample #3 =	6.9250	(0.0010)
Sample #4 =	6.9310	(0.0140)
Avg % Abs =	6.9277	(0.0000)
STD DEV =	0.0031	(0.0145)
REL STD DEV =	0.044	(4679100416.000)

Sol Value = 0.400 g/210L ***
Fit value = 1.9048 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12579, 9um Io = 13628

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	6.5240	(-0.0140)
Sample #2 =	6.5740	(0.0000)
Sample #3 =	6.5690	(-0.0110)
Sample #4 =	6.5910	(0.0200)
Avg % Abs =	6.5780	(0.0030)
STD DEV =	0.0115	(0.0157)
REL STD DEV =	0.175	(523.874)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	12.7660	(-0.0280)
Sample #2 =	12.8240	(0.0020)
Sample #3 =	12.8330	(0.0000)
Sample #4 =	12.8800	(0.0090)
Avg % Abs =	12.8457	(0.0037)
STD DEV =	[illegible]	
REL STD DEV =	[illegible]	

[illegible]
Sol Val = [illegible] g/210L
% Abs = 0.022
Std Dev = 0.03 Rel Std Dev = 117.65
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 0.775
Std Dev = 0.01 Rel Std Dev = 1.16
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 1.817
Std Dev = 0.02 Rel Std Dev = 0.94
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 3.482
Std Dev = 0.02 Rel Std Dev = 0.52
Sol Val = 1.9048 mg/l or 0.400 g/210L
% Abs = 6.578
Std Dev = 0.01 Rel Std Dev = 0.18
Zero Order Coef = -85.97
First Order Coef = 2579.84
Second Order Coef = 50.10
Standard Deviation = 25.999811

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

Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.001
Std Dev = 0.01 Rel Std Dev = 510.51
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 1.509
Std Dev = 0.01 Rel Std Dev = 0.93
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 3.592
Std Dev = 0.00 Rel Std Dev = 0.13
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 6.928
Std Dev = 0.00 Rel Std Dev = 0.04
Sol Val = 1.9048 mg/l or 0.400 g/210L
% Abs = 12.846
Std Dev = 0.03 Rel Std Dev = 0.23
Zero Order Coef = -6.56
First Order Coef = 1254.89
Second Order Coef = 17.76
Standard Deviation = 21.040243

Solution Stats Quadratic Fit Chan 1

Act	Fit	Residual
g/210L	g/210L	g/210L
0.000	-0.001	0.0006
0.040	0.041	-0.0008
0.100	0.100	-0.0001
0.200	0.200	0.0004
0.400	0.400	-0.0001

Solution Stats Quadratic Fit Chan 2

Act	Fit	Residual
g/210L	g/210L	g/210L
0.000	-0.000	0.0001
0.040	0.040	-0.0005
0.100	0.099	0.0007
0.200	0.200	-0.0003
0.400	0.400	0.0001

Sol Value = 0.080 g/210L ***
Fit value = 0.3810 mg/l %%%%
Samples Taken = 4, Discarded = 1
***** CHANNEL 1
Sample #1 = 2970.00
Sample #2 = 3033.00
Sample #3 = 3104.00
Sample #4 = 3128.00
Average Result = 3088.3333
STD DEV = 49.3997
REL STD DEV = 1.600
****
***** CHANNEL 2
Sample #1 = 3122.00
Sample #2 = 3126.00
Sample #3 = 3134.00
Sample #4 = 3187.00
Average Result = 3149.0000
STD DEV = 33.1512
REL STD DEV = 1.053
****
Dry Gas H2O Adjust Results **********
Barometric Pressure = 1013
3 um H2O Adjust (mg/l*10,000) = 721
9 um H2O Adjust (mg/l*10,000) = 660
**** AUTO CAL PASS

SP
BK

Stability Tests - FWC #80-000891 9/28/16 Post-Calibration

FWC
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000891
09/28/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	11:58
Control Test	0.052	11:59
Air Blank	0.000	11:59
Control Test	0.051	12:00
Air Blank	0.000	12:00
Control Test	0.052	12:01
Air Blank	0.000	12:02
Control Test Stats		
Average	0.0517	
Std Dev	0.0006	
Rel Std Dev(%)	1.1175	

Operator's Signature

FWC
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000891
09/28/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	12:05
Control Test	0.080	12:06
Air Blank	0.000	12:07
Control Test	0.080	12:07
Air Blank	0.000	12:08
Control Test	0.080	12:08
Air Blank	0.000	12:09
Control Test Stats		
Average	0.0800	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

Operator's Signature

FWC
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000891
09/28/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	12:10
Control Test	0.197	12:11
Air Blank	0.000	12:11
Control Test	0.198	12:12
Air Blank	0.000	12:12
Control Test	0.198	12:13
Air Blank	0.000	12:14
Control Test Stats		
Average	0.1977	
Std Dev	0.0006	
Rel Std Dev(%)	0.2921	

Operator's Signature

FWC
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000891
09/28/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	12:14
Control Test	0.080	12:15
Air Blank	0.000	12:15
Control Test	0.080	12:16
Air Blank	0.000	12:16
Control Test	0.080	12:16
Air Blank	0.000	12:17
Control Test Stats		
Average	0.0800	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

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