FDLE
Alcohol Testing Program

INSTRUMENT PROCESSING SHEET

Agency Fernandina CSO S/N 80-005249

Date In 8/25/16 Date Out 9/21/16 ☑Ship ☐P/U ☐H/D ☐CMI ☐EE

RECEIVED
SEP 23 2016
FDLE
Alcohol Testing Program

Intake Performed By [illegible]

- ☐ 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 Static Bag

Notes:

Quality Checks Performed By KWB

- ☑ Breath Tube Screen
- ☑ Replace O-Rings
- ☑ Instrument Set Up Verified
- ☑ R-Value 227
- ☑ Flow Verification (L/s)

Flow Column # ATP 102

32mm	0.156 (.139 - .169)
36mm	0.167 (.156 - .190)
53mm	0.234 (.228 - .278)
103mm	0.507 (.447 - .547)

- ☑ Barometric Pressure Check 968 mb Gauge ID # 28427 v. 1017 mb
- ☑ Stability Checks

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	AG1612405 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 KWB

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

Barometric Pressure Gauge 1015 ID # 26932

Simulator	Serial Number	Lot Number	Expiration
0.000	G4444	N/A	N/A
0.040	G2882	160101	2/2/18
0.100	G2078	160001	5/8/18
0.200	G2408	160103	6/14/18
0.400	G5358	160102	3/22/18
0.080 DGS	N/A	~~1561508DA2~~ 1561508DA2 KWB	7/5/17

- ☑ Post Calibration Stability Checks 1561508DA2 KWB

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	AG612405	5/3/18

Department Inspection Performed By KWB

- ☑ Barometric Pressure 1016 Gauge ID# 28427 1013 Instrument

Mouth Alcohol Solution Lot # 2015-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

Notes: Optical bench calibration performed to bring values closer to nominal. KWB

QC-pwr

- ☑ **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 Kirkland
Quality Control Review

9/23/16
Date

Revised November 2012

Pre-Cal Stability Checks #80-005249 Hernando County S.O. 9/21/16 DGS

HERNANDO COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-005249
09/21/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	10:52
Control Test	0.049	10:53
Air Blank	0.000	10:54
Control Test	0.049	10:54
Air Blank	0.000	10:55
Control Test	0.049	10:55
Air Blank	0.000	10:56
Control Test Stats		
Average	0.0490	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

Operator's Signature

HERNANDO COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-005249
09/21/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	10:57
Control Test	0.080	10:58
Air Blank	0.000	10:58
Control Test	0.080	10:59
Air Blank	0.000	11:00
Control Test	0.080	11:00
Air Blank	0.000	11:01
Control Test Stats		
Average	0.0800	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

Operator's Signature

HERNANDO COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-005249
09/21/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	11:03
Control Test	0.197	11:04
Air Blank	0.000	11:04
Control Test	0.197	11:05
Air Blank	0.000	11:06
Control Test	0.198	11:06
Air Blank	0.000	11:07
Control Test Stats		
Average	0.1973	
Std Dev	0.0006	
Rel Std Dev(%)	0.2926	

Operator's Signature

DGS

HERNANDO COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-005249
09/21/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	11:10
Control Test	0.083	11:10
Air Blank	0.000	11:11
Control Test	0.084	11:11
Air Blank	0.000	11:11
Control Test	0.083	11:12
Air Blank	0.000	11:12
Control Test Stats		
Average	0.0833	
Std Dev	0.0006	
Rel Std Dev(%)	0.6928	

DGS

BK

Operator's Signature

Optical Bench Calibration Data #80-005249 Hernando County S.O. 9/21/16

HERNANDO County SO.
Intoxilyzer
Model 8000 SN 80-005249
09/21/2016 11:14:01

Auto Calibration
Max Power Res Value = 58
Auto Range Res Value = 36

Sol Value = 0.000 g/210L ***
Fit value = 0.0000 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12600, 9um Io = 13672

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.0740	(-0.0030)
Sample #2 =	0.0610	(0.0390)
Sample #3 =	0.0250	(0.0620)
Sample #4 =	0.0790	(0.0550)
Avg % Abs =	0.0550	(0.0520)
STD DEV =	0.0275	(0.0118)
REL STD DEV =	49.992	(22.673)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.1720	(-0.0190)
Sample #2 =	0.1200	(0.0180)
Sample #3 =	0.1300	(0.0230)
Sample #4 =	0.1540	(0.0140)
Avg % Abs =	0.1347	(0.0183)
STD DEV =	0.0175	(0.0045)
REL STD DEV =	12.976	(24.596)

Sol Value = 0.040 g/210L ***
Fit value = 0.1905 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12588, 9um Io = 13667

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.7290	(-0.0070)
Sample #2 =	0.7730	(-0.0030)
Sample #3 =	0.7540	(0.0000)
Sample #4 =	0.7740	(0.0120)
Avg % Abs =	0.7670	(0.0030)
STD DEV =		
REL STD DEV =		

STD DEV = 0.0113 (0.0079)
REL STD DEV = 1.469 (264.575)

<<<<< Channel 2 >>>>>

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.4780	(-0.0060)
Sample #2 =	1.5030	(-0.0180)
Sample #3 =	1.4910	(-0.0060)
Sample #4 =	1.5180	(-0.0070)
Avg % Abs =	1.5040	(-0.0103)
STD DEV =	0.0135	(0.0067)
REL STD DEV =	0.899	(64.435)

Sol Value = 0.100 g/210L ***
Fit value = 0.4762 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12583, 9um Io = 13665

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.8250	(-0.0140)
Sample #2 =	1.8050	(-0.0010)
Sample #3 =	1.8320	(0.0000)
Sample #4 =	1.7900	(0.0140)
Avg % Abs =	1.8090	(0.0043)
STD DEV =	0.0213	(0.0084)
REL STD DEV =	1.177	(193.535)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.5000	(-0.0080)
Sample #2 =	3.5120	(0.0000)
Sample #3 =	3.5480	(-0.0070)
Sample #4 =	3.5200	(0.0090)
Avg % Abs =	3.5267	(0.0007)
STD DEV =	0.0189	(0.0080)
REL STD DEV =	0.536	(1203.121)

Sol Value = 0.200 g/210L ***
Fit value = 0.9524 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12584, 9um Io = 13666

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.5830	(-0.0130)
Sample #2 =	3.5340	(0.0340)
Sample #3 =	3.6030	(0.0220)
Sample #4 =	3.5390	(0.0520)
Avg % Abs =		
STD DEV =		
REL STD DEV =		

<<<<< Channel 2 >>>>>

Sample	% Abs	(% Abs Ref)
Sample #1 =	6.8180	(-0.0190)
Sample #2 =	6.7920	(0.0240)
Sample #3 =	6.8300	(0.0080)
Sample #4 =	6.8120	(0.0150)
Avg % Abs =	6.8113	(0.0157)
STD DEV =	0.0190	(0.0080)
REL STD DEV =	0.279	(51.197)

Sol Value = 0.400 g/210L ***
Fit value = 1.9048 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12579, 9um Io = 13665

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	6.8180	(-0.0210)
Sample #2 =	6.7970	(0.0310)
Sample #3 =	6.8190	(0.0190)
Sample #4 =	6.8520	(0.0240)
Avg % Abs =	6.8227	(0.0247)
STD DEV =	0.0277	(0.0060)
REL STD DEV =	0.406	(24.437)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	12.6540	(-0.0120)
Sample #2 =	12.6660	(0.0520)
Sample #3 =	12.6880	(0.0450)
Sample #4 =	12.7040	(0.0400)
Avg % Abs =	12.6860	(0.0457)
STD DEV =	0.0191	(0.0060)
REL STD DEV =	0.150	(13.199)

Avg % Abs = 3.5587 (0.0360)
STD DEV = 0.0385 (0.0151)
REL STD DEV = 1.081 (41.944)

** Auto Cal Data **

<<< Channel 1 >>>>

Sol Va. - 0.0000 mg/l or 0.000 g/210L
% Abs = 0.055
Std Dev = 0.03 Rel Std Dev = 49.99
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 0.767
Std Dev = 0.01 Rel Std Dev = 1.47
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 1.809
Std Dev = 0.02 Rel Std Dev = 1.18
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 3.559
Std Dev = 0.04 Rel Std Dev = 1.08
Sol Val = 1.9048 mg/l or 0.400 g/210L
% Abs = 6.823
Std Dev = 0.03 Rel Std Dev = 0.41
Zero Order Coef = -126.43
First Order Coef = 2627.25
Second Order Coef = 26.69
Standard Deviation = 32.007320

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

Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.135
Std Dev = 0.02 Rel Std Dev = 12.98
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 1.504
Std Dev = 0.01 Rel Std Dev = 0.90
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 3.527
Std Dev = 0.02 Rel Std Dev = 0.54
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 6.811
Std Dev = 0.02 Rel Std Dev = 0.28
Sol Val = 1.9048 mg/l or 0.400 g/210L
% Abs = 12.686
Std Dev = 0.02 Rel Std Dev = 0.15
Zero Order Coef = -146.31
First Order Coef = 1326.93
Second Order Coef = 14.60
Standard Deviation = [illegible]

Standard Deviation = 38.565609

Solution Quadratic Fit Channel 1

Solution		
Act	Fit	Residual
g/210L	g/210L	g/210L
0.000	0.000	-0.0004
0.040	0.040	0.0000
0.100	0.099	0.0010
0.200	0.201	-0.0008
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	-0.0007
0.040	0.040	0.0005
0.100	0.099	0.0010
0.200	0.201	-0.0010
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 = 3393.00
Sample #2 = 3458.00
Sample #3 = 3403.00
Sample #4 = 3380.00
Average Result = 3413.6667
STD DEV = 40.0791
REL STD DEV = 1.174
****
***** CHANNEL 2
Sample #1 = 3298.00
Sample #2 = 3306.00
Sample #3 = 3337.00
Sample #4 = 3281.00
Average Result = 3308.0000
STD DEV = 28.0535
REL STD DEV = 0.848
****
Dry Gas H20 Adjust Results **********
Barometric Pressure = 1014
3 um H20 Adjust (mg/l*10,000) = 396
9 um H20 A[illegible]
**** AUTO CAL PASS

9 um H_2O Adjust (mg/l * 10,000) = ~~396~~ 501

Post Calibration Stability Checks #80-005249

HERNANDO COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-005249
09/21/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	12:32
Control Test	0.050	12:33
Air Blank	0.000	12:34
Control Test	0.049	12:34
Air Blank	0.000	12:35
Control Test	0.050	12:36
Air Blank	0.000	12:36
Control Test Stats		
Average	0.0497	
Std Dev	0.0006	
Rel Std Dev(%)	1.1625	

Operator's Signature

HERNANDO COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-005249
09/21/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	12:52
Control Test	0.077	12:53
Air Blank	0.000	12:54
Control Test	0.079	12:54
Air Blank	0.000	12:55
Control Test	0.080	12:56
Air Blank	0.000	12:56
Control Test Stats		
Average	0.0787	
Std Dev	0.0015	
Rel Std Dev(%)	1.9418	

Operator's Signature

HERNANDO COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-005249
09/21/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	13:04
Control Test	0.078	13:05
Air Blank	0.000	13:05
Control Test	0.079	13:06
Air Blank	0.000	13:07
Control Test	0.079	13:07
Air Blank	0.000	13:08
Control Test Stats		
Average	0.0787	
Std Dev	0.0006	
Rel Std Dev(%)	0.7339	

Operator's Signature

DGS

HERNANDO COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-005249
09/21/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	12:18
Control Test	0.194	12:19
Air Blank	0.000	12:20
Control Test	0.197	12:20
Air Blank	0.000	12:21
Control Test	0.197	12:22
Air Blank	0.000	12:22
Control Test Stats		
Average	0.1960	
Std Dev	0.0017	
Rel Std Dev(%)	0.8837	

Operator's Signature

HERNANDO COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-005249
09/21/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	12:27
Control Test	0.081	12:27
Air Blank	0.000	12:28
Control Test	0.080	12:28
Air Blank	0.000	12:29
Control Test	0.081	12:29
Air Blank	0.000	12:30
Control Test Stats		
Average	0.0807	
Std Dev	0.0006	
Rel Std Dev(%)	0.7157	

13K

Operator's Signature

Retested - Cold
Counter

gwb