FDLE
Alcohol Testing Program

INSTRUMENT PROCESSING SHEET

Agency Santa Rosa County S/N 80-000772

Date In 9/19/16 Date Out 9/22/16 ☒Ship ☐P/U ☐H/D ☐CMI ☐EE

Intake Performed By OB

- ☐ 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 PWS

- ☑ Breath Tube Screen
- ☑ Replace O-Rings
- ☑ Instrument Set Up Verified
- ☑ R-Value 215
- ☑ Flow Verification (L/s)

Flow Column # ATP102

32mm	156 (.139 - .169)
36mm	175 (.156 - .190)
53mm	246 (.228 - .278)
103mm	519 (.447 - .547)

- ☑ Barometric Pressure Check

Gauge ID # 28427

- ☑ 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	AG612405 5/3/18

Flow Calibration Performed By

- ☑ Flow Calibration N/A
- ☐ Flow Calibration Complete

RECEIVED
SEP 26 2016
FDLE
Alcohol Testing Program

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 PWS

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

Barometric Pressure Gauge 1015 ID # 26932

Simulator	Serial Number	Lot Number	Expiration
0.000	SD1016	N/A	N/A
0.040	SD1024	16101	2/2/18
0.100	DR1279	16001	5/8/18
0.200	DR3856	16103	6/14/18
0.400	SD1013	16102	3/22/18
0.080 DGS	N/A	1526150842	7/5/17

☒ 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	AG612405	5/3/18

Department Inspection Performed By PWS

☑ Barometric Pressure

ID# 28427	1017	Gauge
	1015	Instrument

Mouth Alcohol Solution Lot # 2016-A

Acetone Stock Solution Lot # 2016-B

Simulator	Serial Number
0.00	SD1019
Interferent	SD1024
0.05	SD1018
0.08	SD1011
0.20	SD1025

Attachments

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

Notes: OK 9/26/16

☒ **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

9/26/16
Date

Revised November 2012

Stability Tests - Santa Rosa CSO #80-000772 9/22/16
Pre-Calibration

SANTA ROSA COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000772
09/22/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	08:07
Control Test	0.048	08:08
Air Blank	0.000	08:08
Control Test	0.048	08:09
Air Blank	0.000	08:10
Control Test	0.048	08:10
Air Blank	0.000	08:11
Control Test Stats		
Average	0.0480	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

Operator's Signature

SANTA ROSA COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000772
09/22/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	08:13
Control Test	0.078	08:13
Air Blank	0.000	08:14
Control Test	0.078	08:14
Air Blank	0.000	08:15
Control Test	0.078	08:16
Air Blank	0.000	08:16
Control Test Stats		
Average	0.0780	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

Operator's Signature

SANTA ROSA COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000772
09/22/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	08:17
Control Test	0.193	08:18
Air Blank	0.000	08:18
Control Test	0.193	08:19
Air Blank	0.000	08:20
Control Test	0.194	08:20
Air Blank	0.000	08:21
Control Test Stats		
Average	0.1933	
Std Dev	0.0006	
Rel Std Dev(%)	0.2986	

Operator's Signature

SANTA ROSA COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000772
09/22/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	08:27
Control Test	0.080	08:28
Air Blank	0.000	08:28
Control Test	0.080	08:29
Air Blank	0.000	08:29
Control Test	0.082	08:29
Air Blank	0.000	08:30
Control Test Stats		
Average	0.0807	
Std Dev	0.0012	
Rel Std Dev(%)	1.4314	

Operator's Signature

Optical Bench
Calibration

Santa Rosa CSO
#80-000772
9/22/16

SANTA ROSA COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000772
09/22/2016 09:26:07

Auto Calibration
Max Power Res Value = 25
Auto Range Res Value = 12

Sol Value = 0.000 g/210L ***
Fit value = 0.0000 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12635, 9um Io = 13278

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.1040	(-0.0170)
Sample #2 =	0.0930	(0.0410)
Sample #3 =	0.0850	(0.0540)
Sample #4 =	0.1010	(0.0880)

Avg % Abs = 0.0930 (0.0610)
STD DEV = 0.0080 (0.0243)
REL STD DEV = 8.602 (39.786)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.0970	(-0.0150)
Sample #2 =	0.0750	(0.0090)
Sample #3 =	0.1070	(-0.0080)
Sample #4 =	0.0880	(0.0240)

Avg % Abs = 0.0900 (0.0083)
STD DEV = 0.0151 (0.0150)
REL STD DEV = 17.882 (392.125)

Sol Value = 0.040 g/210L ***
Fit value = 0.1515 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12620, 9um Io = 13274

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.7750	(-0.0130)
Sample #2 =	0.7540	(0.0140)
Sample #3 =	0.7890	(0.0240)
Sample #4 =	0.7910	(0.0250)

Avg % Abs = 0.7780 (0.0210)
STD DEV = 0.0208 (0.0061)
REL STD DEV = 2.675 (28.966)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.4500	(-0.0020)
Sample #2 =	1.4640	(-0.0060)
Sample #3 =	1.4710	(0.0020)
Sample #4 =	1.4610	(0.0150)

Avg % Abs = 1.4653 (0.0037)
STD DEV = 0.0051 (0.0106)
REL STD DEV = 0.350 (289.057)

Sol Value = 0.100 g/210L ***
Fit value = 0.4762 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12614, 9um Io = 13271

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.7940	(-0.0140)
Sample #2 =	1.8420	(-0.0110)
Sample #3 =	1.8380	(-0.0130)
Sample #4 =	1.8760	(-0.0130)

Avg % Abs = 1.8520 (-0.0123)
STD DEV = 0.0209 (0.0012)
REL STD DEV = 1.127 (9.362)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.4800	(-0.0140)
Sample #2 =	3.4840	(-0.0090)
Sample #3 =	3.4930	(-0.0050)
Sample #4 =	3.5290	(-0.0210)

Avg % Abs = 3.5020 (-0.0117)
STD DEV = 0.0238 (0.0083)
REL STD DEV = 0.680 (71.371)

Sol Value = 0.200 g/210L ***
Fit value = 0.9524 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12608, 9um Io = 13270

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.5210	(-0.0220)
Sample #2 =	3.5840	(-0.0630)
Sample #3 =	3.5710	(-0.0240)
Sample #4 =	3.5740	(-0.0080)

Avg % Abs = 3.5763 (-0.0317)
STD DEV = 0.0068 (0.0283)
REL STD DEV = 0.190 (89.337)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	6.7380	(-0.0090)
Sample #2 =	6.7930	(-0.0110)
Sample #3 =	6.7900	(0.0060)
Sample #4 =	6.7780	(0.0110)

Avg % Abs = 6.7870 (0.0020)
STD DEV = 0.0079 (0.0115)
REL STD DEV = 0.117 (576.628)

Sol Value = 0.400 g/210L ***
Fit value = 1.9048 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12604, 9um Io = 13267

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	6.7210	(-0.0250)
Sample #2 =	6.8170	(-0.0420)
Sample #3 =	6.8150	(-0.0460)
Sample #4 =	6.8390	(-0.0320)

Avg % Abs = 6.8237 (-0.0400)
STD DEV = 0.0133 (0.0072)
REL STD DEV = 0.195 (18.028)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	12.6510	(-0.0040)
Sample #2 =	12.7350	(0.0000)
Sample #3 =	12.7560	(-0.0030)
Sample #4 =	12.7650	(0.0050)

Avg % Abs = 12.7520 (0.0007)
STD DEV = 0.0154 (0.0040)
REL STD DEV = 0.121 (686.218)

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

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

Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.093
Std Dev = 0.01 Rel Std Dev = 8.60
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 0.778
Std Dev = 0.02 Rel Std Dev = 2.67
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 1.852
Std Dev = 0.02 Rel Std Dev = 1.13
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 3.576
Std Dev = 0.01 Rel Std Dev = 0.19
Sol Val = 1.9048 mg/l or 0.400 g/210L
% Abs = 6.824
Std Dev = 0.01 Rel Std Dev = 0.20
Zero Order Coef = -204.92
First Order Coef = 2624.30
Second Order Coef = 28.76
Standard Deviation = 34.670425

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

Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.090
Std Dev = 0.02 Rel Std Dev = 17.88
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 1.465
Std Dev = 0.01 Rel Std Dev = 0.35
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 3.502
Std Dev = 0.02 Rel Std Dev = 0.68
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 6.787
Std Dev = 0.01 Rel Std Dev = 0.12
Sol Val = 1.9048 mg/l or 0.400 g/210L
% Abs = 12.752
Std Dev = 0.02 Rel Std Dev = 0.12
Zero Order Coef = -95.42
First Order Coef = 1332.25
Second Order Coef = 13.20
Standard Deviation = 26.877951

VP

Solution Stats Quadratic Fit Chan 1		
Act	Fit	Residual
g/210L	g/210L	g/210L
0.000	0.001	-0.0008
0.040	0.039	0.0011
0.100	0.100	0.0002
0.200	0.201	-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	-0.0005
0.040	0.040	0.0004
0.100	0.099	0.0006
0.200	0.201	-0.0006
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 = 3241.00
Sample #2 = 3137.00
Sample #3 = 3120.00
Sample #4 = 3110.00
Average Result = 3122.3333
STD DEV = 13.6504
REL STD DEV = 0.437
****
***** CHANNEL 2
Sample #1 = 3313.00
Sample #2 = 3309.00
Sample #3 = 3337.00
Sample #4 = 3346.00
Average Result = 3330.6667
STD DEV = 19.2959
REL STD DEV = 0.579
****
Dry Gas H20 Adjust Results **********
Barometric Pressure = 1015
3 um H20 Adjust (mg/l*10,000) = 687
9 um H20 Adjust (mg/l*10,000) = 479
**** AUTO CAL PASS

JSK

Stability Tests - Santa Rosa CSO #80-000772 9/22/16
Post-Calibration

SANTA ROSA COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000772
09/22/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	10:03
Control Test	0.051	10:04
Air Blank	0.000	10:05
Control Test	0.050	10:05
Air Blank	0.000	10:06
Control Test	0.050	10:07
Air Blank	0.000	10:07
Control Test Stats		
Average	0.0503	
Std Dev	0.0006	
Rel Std Dev(%)	1.1471	

PWS
Operator's Signature

SANTA ROSA COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000772
09/22/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	10:08
Control Test	0.080	10:09
Air Blank	0.000	10:09
Control Test	0.080	10:10
Air Blank	0.000	10:10
Control Test	0.080	10:11
Air Blank	0.000	10:12
Control Test Stats		
Average	0.0800	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

PWS
Operator's Signature

SANTA ROSA COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000772
09/22/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	10:12
Control Test	0.196	10:13
Air Blank	0.000	10:14
Control Test	0.199	10:14
Air Blank	0.000	10:15
Control Test	0.199	10:15
Air Blank	0.000	10:16
Control Test Stats		
Average	0.1980	
Std Dev	0.0017	
Rel Std Dev(%)	0.8748	

PWS
Operator's Signature

SANTA ROSA COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000772
09/22/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	10:17
Control Test	0.082	10:17
Air Blank	0.000	10:18
Control Test	0.081	10:18
Air Blank	0.000	10:19
Control Test	0.081	10:19
Air Blank	0.000	10:20
Control Test Stats		
Average	0.0813	
Std Dev	0.0006	
Rel Std Dev(%)	0.7099	

DBS

PWS
Operator's Signature

JK