FDLE
Alcohol Testing Program

INSTRUMENT PROCESSING SHEET

Agency Valparaiso PD S/N 80-000742

Date In 10/4/16 Date Out 10/4/16 ☐Ship ☒P/U ☐H/D ☐CMI ☐EE

RECEIVED
OCT 06 2016
FDLE
Alcohol Testing Program

Intake Performed By PWS

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

Visual Inspection:

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

Other Equipment:

- ☐ Power cord
- ☐ Printer Cable
- ☐ Other

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 # AD102
  - 32mm 148 (.139 - .169)
  - 36mm 167 (.156 - .190)
  - 53mm 238 (.228 - .278)
  - 103mm 500 (.447 - .547)
- ☒ Barometric Pressure Check
  - Gauge ID # 28427
- ☒ Stability Checks

Simulator	Serial #	Lot #/Exp
0.05	SD1018	20150714
		7/14/17
0.08	SD1014	20160IF
		1/26/18
0.20	SD1025	20160HC
		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 PWS

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

Barometric Pressure Gauge 1012 ID # 26932

Simulator	Serial Number	Lot Number	Expiration
0.000	SD1016	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	G16621	16102	3/22/18
0.080 DGS	N/A	15615080A2	7/5/17

☒ Post Calibration Stability Checks

Simulator	Serial Number	Lot Number	Expiration
0.05	SD1018	20150714	7/14/17
0.08	SD1011	20160IF	1/26/18
0.20	SD1025	20160HC	4/5/18
0.08 DGS	N/A	AG612405	5/3/18

Department Inspection Performed By PWS

☒ Barometric Pressure ID# 28427 — 1014 Gauge, 1011 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

Notes:
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

10/6/16
Date

Revised November 2012

Stability Tests - Valparaiso PD #80-000742 10/4/16
Pre-Calibration

VALPARAISO PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000742
10/04/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	10:17
Control Test	0.049	10:18
Air Blank	0.000	10:19
Control Test	0.049	10:19
Air Blank	0.000	10:20
Control Test	0.050	10:20
Air Blank	0.000	10:21
Control Test Stats		
Average	0.0493	
Std Dev	0.0006	
Rel Std Dev(%)	1.1703	

PWS
Operator's Signature

VALPARAISO PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000742
10/04/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	10:22
Control Test	0.079	10:23
Air Blank	0.000	10:23
Control Test	0.079	10:24
Air Blank	0.000	10:24
Control Test	0.079	10:25
Air Blank	0.000	10:25
Control Test Stats		
Average	0.0790	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

PWS
Operator's Signature

VALPARAISO PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000742
10/04/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	10:27
Control Test	0.193 —	10:27
Air Blank	0.000	10:28
Control Test	0.195	10:28
Air Blank	0.000	10:29
Control Test	0.195	10:30
Air Blank	0.000	10:30
Control Test Stats		
Average	0.1943	
Std Dev	0.0012	
Rel Std Dev(%)	0.5942	

PWS
Operator's Signature

VALPARAISO PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000742
10/04/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	10:31
Control Test	0.077	10:31
Air Blank	0.000	10:32
Control Test	0.077	10:32
Air Blank	0.000	10:33
Control Test	0.077	10:33
Air Blank	0.000	10:33
Control Test Stats		
Average	0.0770	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

DGS

BK

PWS
Operator's Signature

SP

Optical Bench Calibration

Valparaiso PD

80-000742

10/4/16

VALPARAISO PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000742
10/04/2016 10:45:36

Auto Calibration
Max Power Res Value = 12
Auto Range Res Value = 8

Sol Value = 0.000 g/210L ***
Fit value = 0.0000 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12654, 9um Io = 13305

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.1030	(-0.0170)
Sample #2 =	0.0830	(0.0160)
Sample #3 =	0.0610	(0.0200)
Sample #4 =	0.0670	(0.0270)

Avg % Abs = 0.0703 (0.0210)
STD DEV = 0.0114 (0.0056)
REL STD DEV = 16.169 (26.513)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.0480	(-0.0110)
Sample #2 =	0.0830	(-0.0240)
Sample #3 =	0.0910	(-0.0340)
Sample #4 =	0.0710	(-0.0220)

Avg % Abs = 0.0817 (-0.0267)
STD DEV = 0.0101 (0.0064)
REL STD DEV = 12.326 (24.109)

Sol Value = 0.040 g/210L ***
Fit value = 0.1905 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12645, 9um Io = 13305

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.7990	(-0.0240)
Sample #2 =	0.7980	(0.0160)
Sample #3 =	0.7730	(0.0040)
Sample #4 =	0.7830	(0.0310)

Avg % Abs = 0.7847 (0.0170)
STD DEV = 0.0126 (0.0135)
REL STD DEV = 1.604 (79.575)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.4690	(-0.0040)
Sample #2 =	1.4700	(-0.0050)
Sample #3 =	1.4630	(-0.0030)
Sample #4 =	1.4880	(-0.0080)

Avg % Abs = 1.4737 (-0.0053)
STD DEV = 0.0129 (0.0025)
REL STD DEV = 0.875 (47.186)

Sol Value = 0.100 g/210L ***
Fit value = 0.4762 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12639, 9um Io = 13303

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.8850	(-0.0260)
Sample #2 =	1.8690	(0.0060)
Sample #3 =	1.8680	(0.0010)
Sample #4 =	1.8590	(0.0390)

Avg % Abs = 1.8653 (0.0153)
STD DEV = 0.0055 (0.0206)
REL STD DEV = 0.295 (134.660)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.5870	(-0.0090)
Sample #2 =	3.6010	(-0.0160)
Sample #3 =	3.5980	(-0.0180)
Sample #4 =	3.5910	(-0.0090)

Avg % Abs = 3.5967 (-0.0143)
STD DEV = 0.0051 (0.0047)
REL STD DEV = 0.143 (32.971)

Sol Value = 0.200 g/210L ***
Fit value = 0.9524 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12634, 9um Io = 13304

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.6140	(0.0000)
Sample #2 =	3.6600	(0.0120)
Sample #3 =	3.6540	(-0.0060)
Sample #4 =	3.6700	(-0.0060)

Avg % Abs = 3.6613 (0.0000)
STD DEV = 0.0081 (0.0104)
REL STD DEV = 0.221 (0.000)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	6.9300	(0.0040)
Sample #2 =	6.9490	(0.0180)
Sample #3 =	6.9520	(0.0000)
Sample #4 =	6.9530	(0.0070)

Avg % Abs = 6.9513 (0.0083)
STD DEV = 0.0021 (0.0091)
REL STD DEV = 0.030 (108.885)

Sol Value = 0.400 g/210L ***
Fit value = 1.9048 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12629, 9um Io = 13299

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	6.6400	(-0.0210)
Sample #2 =	6.8020	(-0.0010)
Sample #3 =	6.8350	(-0.0180)
Sample #4 =	6.8590	(-0.0080)

Avg % Abs = 6.8320 (-0.0090)
STD DEV = 0.0286 (0.0085)
REL STD DEV = 0.419 (94.933)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	12.4830	(-0.0240)
Sample #2 =	12.7150	(-0.0080)
Sample #3 =	12.7810	(-0.0270)
Sample #4 =	12.8210	(-0.0090)

Avg % Abs = 12.7723 (-0.0147)
STD DEV = 0.0535 (0.0107)
REL STD DEV = 0.419 (72.905)

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

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

Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.070
Std Dev = 0.01 Rel Std Dev = 16.17
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 0.785
Std Dev = 0.01 Rel Std Dev = 1.60
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 1.865
Std Dev = 0.01 Rel Std Dev = 0.30
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 3.661
Std Dev = 0.01 Rel Std Dev = 0.22
Sol Val = 1.9048 mg/l or 0.400 g/210L
% Abs = 6.832
Std Dev = 0.03 Rel Std Dev = 0.42
Zero Order Coef = -114.71
First Order Coef = 2483.41
Second Order Coef = 46.68
Standard Deviation = 68.450943

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

Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.082
Std Dev = 0.01 Rel Std Dev = 12.33
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 1.474
Std Dev = 0.01 Rel Std Dev = 0.88
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 3.597
Std Dev = 0.01 Rel Std Dev = 0.14
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 6.951
Std Dev = 0.00 Rel Std Dev = 0.03
Sol Val = 1.9048 mg/l or 0.400 g/210L
% Abs = 12.772
Std Dev = 0.05 Rel Std Dev = 0.42
Zero Order Coef = -44.47
First Order Coef = 1255.94
Second Order Coef = 18.61
Standard Deviation = 57.210785

BK

Solution Stats Quadratic Fit Chan 1

Act g/210L	Fit g/210L	Residual g/210L
0.000	0.001	-0.0013
0.040	0.039	0.0009
0.100	0.098	0.0017
0.200	0.202	-0.0017
0.400	0.400	0.0004

Solution Stats Quadratic Fit Chan 2

Act g/210L	Fit g/210L	Residual g/210L
0.000	0.001	-0.0012
0.040	0.039	0.0012
0.100	0.099	0.0010
0.200	0.201	-0.0013
0.400	0.400	0.0003

Sol Value = 0.080 g/210L ***
Fit value = 0.3810 mg/l %%%%
Samples Taken = 4, Discarded = 1
***** CHANNEL 1
Sample #1 = 3326.00
Sample #2 = 3307.00
Sample #3 = 3275.00
Sample #4 = 3407.00
Average Result = 3329.6667
STD DEV = 68.8573
REL STD DEV = 2.068
****
***** CHANNEL 2
Sample #1 = 3397.00
Sample #2 = 3447.00
Sample #3 = 3425.00
Sample #4 = 3433.00
Average Result = 3435.0000
STD DEV = 11.1355
REL STD DEV = 0.324
****
Dry Gas H2O Adjust Results **********
Barometric Pressure = 1011
3 um H2O Adjust (mg/l*10,000) = 480
9 um H2O Adjust (mg/l*10,000) = 374
**** AUTO CAL PASS

8P

Stability Tests - Valparaiso PD #80-000742 10/4/16
Post-Calibration

VALPARAISO PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000742
10/04/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	11:32
Control Test	0.049	11:32
Air Blank	0.000	11:33
Control Test	0.049	11:34
Air Blank	0.000	11:34
Control Test	0.049	11:35
Air Blank	0.000	11:35

Control Test Stats

Average	0.0490
Std Dev	0.0000
Rel Std Dev(%)	0.0000

Operator's Signature

VALPARAISO PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000742
10/04/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	11:37
Control Test	0.080	11:38
Air Blank	0.000	11:39
Control Test	0.080	11:39
Air Blank	0.000	11:40
Control Test	0.080	11:40
Air Blank	0.000	11:41

Control Test Stats

Average	0.0800
Std Dev	0.0000
Rel Std Dev(%)	0.0000

Operator's Signature

VALPARAISO PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000742
10/04/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	11:42
Control Test	0.196	11:43
Air Blank	0.000	11:44
Control Test	0.198	11:44
Air Blank	0.000	11:45
Control Test	0.199	11:45
Air Blank	0.000	11:46

Control Test Stats

Average	0.1977
Std Dev	0.0015
Rel Std Dev(%)	0.7728

Operator's Signature

VALPARAISO PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000742
10/04/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	11:51
Control Test	0.083	11:51
Air Blank	0.000	11:51
Control Test	0.082	11:52
Air Blank	0.000	11:52
Control Test	0.082	11:53
Air Blank	0.000	11:53

Control Test Stats

Average	0.0823
Std Dev	0.0006
Rel Std Dev(%)	0.7012

TGS

Operator's Signature

SP

BK