

SDPD CRIME LABORATORY
FORENSIC CHEMISTRY UNIT

Inoxilyzer 8000 Maintenance Log

Intoxilyzer Serial Number: 80-000715

Software Version:

DATE	INITIALS	MAINTENANCE / COMMENTS	
4/13/17	JM	Replaced Breath Hose <input type="radio"/>	Yearly QA Complete <input type="radio"/>
		ETOH Free Breath Test <input type="radio"/>	
		Software Update: <u>8122.15</u>	Next QA Due: _____
		Other (comments) _____	
Current Location: _____			
4/17/17	JM	Replaced Breath Hose <input type="radio"/>	Yearly QA Complete <input type="radio"/>
		ETOH Free Breath Test <input type="radio"/>	
		Software Update: _____	Next QA Due: _____
		Other (comments) <u>turned 3rd day on</u>	
Current Location: _____			
6-21-17	JM	Replaced Breath Hose <input type="radio"/>	Yearly QA Complete <input checked="" type="radio"/> <u>6-14-17</u>
		ETOH Free Breath Test <input type="radio"/>	
		Software Update: _____	Next QA Due: <u>6-13-18</u>
		Other (comments) _____	
Current Location: _____			
6-21-17	JM	Replaced Breath Hose <input type="radio"/>	Yearly QA Complete <input type="radio"/>
		ETOH Free Breath Test <input type="radio"/>	
		Software Update: _____	Next QA Due: _____
		Other (comments) _____	
Current Location: <u>VAN</u>			
		Replaced Breath Hose <input type="radio"/>	Yearly QA Complete <input type="radio"/>
		ETOH Free Breath Test <input type="radio"/>	
		Software Update: _____	Next QA Due: _____
		Other (comments) _____	
Current Location: _____			
		Replaced Breath Hose <input type="radio"/>	Replaced RT Battery <input type="radio"/>
		ETOH Breath Test <input type="radio"/>	Yearly QA Complete <input type="radio"/>
		Software Update: _____	Next QA Due: _____
		Other (comments) _____	
Current Location: _____			

SDPD CRIME LABORATORY
FORENSIC CHEMISTRY UNIT

Intoxilyzer 8000 Maintenance Log

Intoxilyzer Serial Number: 80-000715 Year: 2013 Location: Lab

DATE	INITIALS	MAINTENANCE/COMMENTS
3/25/13	<i>[Signature]</i>	Changed GEBS Tank <input type="checkbox"/> Level 2 Cal Check <input type="checkbox"/> Replaced Regulator <input type="checkbox"/> Replaced Breath Hose <input type="checkbox"/> Replace/Fix Silver Nut <input type="checkbox"/> Yearly QA/Due: <input type="checkbox"/> Replaced Power Cord <input type="checkbox"/> Replaced RT Battery <input type="checkbox"/> Software update: _____ Other (comments) <u>EEPROM Fault</u> Location Change: <u>Removed from car 7048</u>
4/11/13	<i>[Signature]</i>	Changed GEBS Tank <input type="checkbox"/> Level 2 Cal Check <input checked="" type="checkbox"/> Replaced Regulator <input type="checkbox"/> Replaced Breath Hose <input type="checkbox"/> Replace/Fix Silver Nut <input type="checkbox"/> Yearly QA/Due: <input type="checkbox"/> Replaced Power Cord <input type="checkbox"/> Replaced RT Battery <input type="checkbox"/> Software update: _____ Other (comments) <u>Reload software + clear memory by CMI.</u> <u>Ready for use. In 8178</u> Location Change: _____
6/12/13	<i>[Signature]</i>	Changed GEBS Tank <input type="checkbox"/> Level 2 Cal Check <input type="checkbox"/> Replaced Regulator <input type="checkbox"/> Replaced Breath Hose <input type="checkbox"/> Replace/Fix Silver Nut <input type="checkbox"/> Yearly QA/Due: <u>6/12/14</u> <input checked="" type="checkbox"/> Replaced Power Cord <input type="checkbox"/> Replaced RT Battery <input type="checkbox"/> Software update: _____ Other (comments) _____ Location Change: _____
7/12/13	<i>[Signature]</i>	Changed GEBS Tank <input type="checkbox"/> Level 2 Cal Check <input checked="" type="checkbox"/> Replaced Regulator <input type="checkbox"/> Replaced Breath Hose <input type="checkbox"/> Replace/Fix Silver Nut <input type="checkbox"/> Yearly QA/Due: <input type="checkbox"/> Replaced Power Cord <input type="checkbox"/> Replaced RT Battery <input type="checkbox"/> Software update: _____ Other (comments) <u>E+OH Free breath test</u> Location Change: <u>To car 7048</u>
6-16-14	<i>Um</i>	Changed GEBS Tank <input type="checkbox"/> Level 2 Cal Check <input type="checkbox"/> Replaced Regulator <input type="checkbox"/> Replaced Breath Hose <input type="checkbox"/> Replace/Fix Silver Nut <input type="checkbox"/> Yearly QA/Due: <input type="checkbox"/> Replaced Power Cord <input type="checkbox"/> Replaced RT Battery <input type="checkbox"/> Software update: _____ Other (comments) <u>Removed from car</u> Location Change: _____
6-17-14 6-18-14	<i>Um</i>	Changed GEBS Tank <input type="checkbox"/> Level 2 Cal Check <input type="checkbox"/> Replaced Regulator <input type="checkbox"/> Replaced Breath Hose <input type="checkbox"/> Replace/Fix Silver Nut <input type="checkbox"/> Yearly QA/Due: <u>6-17-15</u> <input checked="" type="checkbox"/> Replaced Power Cord <input type="checkbox"/> Replaced RT Battery <input type="checkbox"/> Software update: _____ Other (comments) _____ Location Change: _____

SDPD CRIME LABORATORY
FORENSIC CHEMISTRY UNIT

Intoxilyzer 8000 Maintenance Log

Intoxilyzer Serial Number: 80- 000715 Year: 2011/12 Location: CAR # 7048

TE	INITIALS	MAINTENANCE/COMMENTS
8/23/11	FIX	Changed GEBS Tank <input type="checkbox"/> Level 2 Cal Check <input type="checkbox"/> Replaced Regulator <input type="checkbox"/> Replaced Breath Hose <input type="checkbox"/> Replace/Fix Silver Nut <input type="checkbox"/> Yearly QA/Due: <input type="checkbox"/> Replaced Power Cord <input type="checkbox"/> Replaced RT Battery <input type="checkbox"/> Software update: _____ Other (comments) <u>Removed from car as 6007. car will be replaced.</u> Location Change: _____
9-24-11 9-27-11	g-	Changed GEBS Tank <input type="checkbox"/> Level 2 Cal Check <input checked="" type="checkbox"/> Replaced Regulator <input type="checkbox"/> Replaced Breath Hose <input type="checkbox"/> Replace/Fix Silver Nut <input type="checkbox"/> Yearly QA/Due: <input type="checkbox"/> Replaced Power Cord <input type="checkbox"/> Replaced RT Battery <input checked="" type="checkbox"/> Software update: _____ Other (comments) <u>Real Time clock Error - Battery replaced 9-27-11 g.</u> Location Change: _____
11/19/12	FIX	Changed GEBS Tank <input type="checkbox"/> Level 2 Cal Check <input type="checkbox"/> Replaced Regulator <input type="checkbox"/> Replaced Breath Hose <input type="checkbox"/> Replace/Fix Silver Nut <input type="checkbox"/> Yearly QA/Due: <input type="checkbox"/> Replaced Power Cord <input type="checkbox"/> Replaced RT Battery <input type="checkbox"/> Software update: _____ Other (comments) _____ Location Change: <u>Placed in vehicle 7048</u>
06-07-12	uh	Changed GEBS Tank <input type="checkbox"/> Level 2 Cal Check <input type="checkbox"/> Replaced Regulator <input type="checkbox"/> Replaced Breath Hose <input type="checkbox"/> Replace/Fix Silver Nut <input type="checkbox"/> Yearly QA/Due: <input type="checkbox"/> Replaced Power Cord <input type="checkbox"/> Replaced RT Battery <input type="checkbox"/> Software update: _____ Other (comments) _____ Location Change: <u>Lab for annual QA</u>
06-14-12	uh	Changed GEBS Tank <input type="checkbox"/> Level 2 Cal Check <input type="checkbox"/> Replaced Regulator <input type="checkbox"/> Replaced Breath Hose <input type="checkbox"/> Replace/Fix Silver Nut <input type="checkbox"/> Yearly QA/Due: <u>6-14-12</u> <input checked="" type="checkbox"/> Replaced Power Cord <input type="checkbox"/> Replaced RT Battery <input type="checkbox"/> Software update: _____ Other (comments) _____ Location Change: _____
06-19-12	uh	Changed GEBS Tank <input type="checkbox"/> Level 2 Cal Check <input checked="" type="checkbox"/> Replaced Regulator <input type="checkbox"/> Replaced Breath Hose <input type="checkbox"/> Replace/Fix Silver Nut <input type="checkbox"/> Yearly QA/Due: <input type="checkbox"/> Replaced Power Cord <input type="checkbox"/> Replaced RT Battery <input type="checkbox"/> Software update: _____ Other (comments) _____ Location Change: <u>Installed in vehicle 7048</u>

SDPD CRIME LABORATORY
FORENSIC CHEMISTRY UNIT

Intoxilyzer 8000 Maintenance Log

Intoxilyzer Serial Number: 80-006715 Year: 2008/09/10 Location: CAR # 6488 6647 In 9/25/09

DATE	INITIALS	MAINTENANCE/COMMENTS
8/28/08	Jm	Changed GEBS Tank <input type="checkbox"/> Level 2 Cal Check <input type="checkbox"/> Replaced Regulator <input type="checkbox"/> Replaced Breath Hose <input type="checkbox"/> Replace/Fix Silver Nut <input type="checkbox"/> Yearly QA/Due: 8/28/09 <input checked="" type="checkbox"/> Replaced Power Cord <input type="checkbox"/> Replaced RT Battery <input type="checkbox"/> Software update: 8122.13 - Addition of 2nd Cal check + Diagnostic Other (comments): Location Change:
8/13/09 8/14/09	Jm 8209	Changed GEBS Tank <input type="checkbox"/> Level 2 Cal Check <input type="checkbox"/> Replaced Regulator <input type="checkbox"/> Replaced Breath Hose <input type="checkbox"/> Replace/Fix Silver Nut <input type="checkbox"/> Yearly QA/Due: 8-14-10 <input checked="" type="checkbox"/> Replaced Power Cord <input type="checkbox"/> Replaced RT Battery <input type="checkbox"/> Software update: Other (comments): Location Change: Removed from car for yearly QA
9-25-09	for 8201	Changed GEBS Tank <input type="checkbox"/> Level 2 Cal Check <input checked="" type="checkbox"/> Replaced Regulator <input type="checkbox"/> Replaced Breath Hose <input type="checkbox"/> Replace/Fix Silver Nut <input type="checkbox"/> Yearly QA/Due: 7-16-11 <input checked="" type="checkbox"/> Replaced Power Cord <input type="checkbox"/> Replaced RT Battery <input type="checkbox"/> Software update: Other (comments): Location Change: To Car # 6647 9-25-09
2-22-10	for 8201	Changed GEBS Tank <input type="checkbox"/> Level 2 Cal Check <input type="checkbox"/> Replaced Regulator <input type="checkbox"/> Replaced Breath Hose <input type="checkbox"/> Replace/Fix Silver Nut <input type="checkbox"/> Yearly QA/Due: <input type="checkbox"/> Replaced Power Cord <input type="checkbox"/> Replaced RT Battery <input type="checkbox"/> Software update: Other (comments): Cal Check Failure on 2-6-10 due to a loose pin in fork per officer. 2-22-09. Location Change:
7-12-10 7-14-10 7-16-10	for 8201	Changed GEBS Tank <input type="checkbox"/> Level 2 Cal Check <input type="checkbox"/> Replaced Regulator <input type="checkbox"/> Replaced Breath Hose <input type="checkbox"/> Replace/Fix Silver Nut <input type="checkbox"/> Yearly QA/Due: 7-14-10 <input checked="" type="checkbox"/> Replaced Power Cord <input type="checkbox"/> Replaced RT Battery <input type="checkbox"/> Software update: Other (comments): Cal checks on car OK - fork loose Location Change: to lab for QA. → return to car. #6647 per QA
7-12-11	Jm	Changed GEBS Tank <input type="checkbox"/> Level 2 Cal Check <input type="checkbox"/> Replaced Regulator <input checked="" type="checkbox"/> Replaced Breath Hose <input type="checkbox"/> Replace/Fix Silver Nut <input type="checkbox"/> Yearly QA/Due: 7/12/12 <input checked="" type="checkbox"/> Replaced Power Cord <input type="checkbox"/> Replaced RT Battery <input type="checkbox"/> Software update: returned to car # 6647. Other (comments): Location Change:

Yearly Quality Assurance Certificate

On 4/13/2017 and 4/17/17, Criminalist Velvet McLasky performed analysis to determine the calibration status and operation of the above instrument using NIST traceable dry gas ethanol standards of known ethanol concentration. The uncertainty of measurement was determined from these results.

Operational Features:

Time and Date Correct ☒
 Diagnostics Testing Pass All Parameters ☒
 Invalid Sample Check ☒
 Deficient Sample Check ☒
 Improper Sample Check ☒
 Breath Test Refusal Feature ☒

GEBS used: Certified Value: (0.080g/210L): Lot#: 03417080A2

Expiration: 3-5-2019

Aborting Test using Start Button ☒
 Successful Alcohol Free Breath Test ☒
 Successful Alcohol Breath Test ☒
 RFI Detection ☒
 Interferent (Acetone) Detection ☒
 Ambient Detection ☒

CalCheck Failed (GEBS value wrong) ☒
 Magnetic Strip Reader Operational ☒
 Direct Connect to COBRA ☒
 Instrument Cleaned ☒

Pressure Reading: Instrument P: 1009 psi Regulator: ~1000 psi

Temperature Check: Breath Hose: 45.0 °C Breath Cell: 47.0 °C

Certified Value: (0.040g/210L):

Lot#: 12716040A8

Expiration: 6-5-2018

Replicate	Result (g/210L)
1	0.045
2	0.045
3	0.045
4	0.045
5	0.045
6	0.045
7	0.045
8	0.045
9	0.045
10	0.045

Mean Value: 0.045 (g/210L)

Average Difference from known: 0.005

Standard Deviation: 0.0000

Certified Value: (0.100g/210L):

Lot#: 23016100A1

Expiration: 9-5-2018

Replicate	Result (g/210L)
1	0.101
2	0.101
3	0.101
4	0.101
5	0.101
6	0.101
7	0.101
8	0.101
9	0.102
10	0.102

Mean Value: 0.101 (g/210L)

Average Difference from known: 0.001

Standard Deviation: 0.0004

Certified Value: (0.200g/210L):

Lot#: 26615200A1

Expiration: 10-5-2017

Replicate	Result (g/210L)
1	0.194
2	0.193
3	0.194
4	0.194
5	0.193
6	0.194
7	0.194
8	0.194
9	0.194
10	0.193

Mean Value: 0.193 (g/210L)

Average Difference from known: 0.007

Standard Deviation: 0.0004

GEBS Verification: (0.080g/210L):

Lot#: 03417080A2

Expiration: 3-5-2019

20 Replicates (g/210L)			
1	0.083	11	0.083
2	0.083	12	0.083
3	0.083	13	0.083
4	0.083	14	0.083
5	0.083	15	0.082
6	0.083	16	0.083
7	0.083	17	0.083
8	0.083	18	0.083
9	0.084	19	0.083
10	0.083	20	0.083

Mean Value: 0.083 (g/210L)

Average Difference from known: 0.003

Standard Deviation: 0.0003

The Uncertainty of Measurement is +/- 0.006 g/210L at a confidence interval of approximately 95% for breath results below 0.100 g/210L and +/- 7% at a confidence interval of approximately 95% for breath results between 0.100-0.400 g/210L. The uncertainty shall be applied to the average of the two breath samples that agree within ± 0.02 g/210 L.

Levels that are greater than 0.400 g/210 L will not have an established uncertainty and should be considered to have a value greater than 0.400 g/210 L.

This instrument is capable of measuring a known GEBS value at +/- 0.010 grams % of the true value for values ranging from 0.08 to 0.30 grams % as per Title 17.

This report certifies this instrument for field use.

Technical Review: SD Date: 6/20/17

Certificate Issue Date: 6/14/2017

Administrative Review: 2m Date: 6/20/17

Certified by Criminalist: Velvet McLasky

Quality Assurance and Calibration Report

Intoxilyzer 8000 Instrument Serial #: **80-000715**

On **6-17-14 and 6-18-14**, Criminalist **Velvet McLasky** performed analysis to determine the calibration status and operation of the Intoxilyzer 8000, serial #80-000715 using NIST traceable dry gas ethanol standards of known ethanol concentration. The results from this analysis are as follows:

Operational Features:

Time and Date Correct	<input checked="" type="checkbox"/>	Diagnostics Testing Parameters all Pass	<input checked="" type="checkbox"/>
Invalid Sample Check stops testing	<input checked="" type="checkbox"/>	Deficient Sample Check stops testing	<input checked="" type="checkbox"/>
Improper Sample Check stops testing	<input checked="" type="checkbox"/>	Breath Test Refusal stops testing showing refusal	<input checked="" type="checkbox"/>
Aborting a Testing Sequence at any time	<input checked="" type="checkbox"/>	Successfully completed alcohol free breath test	<input checked="" type="checkbox"/>
Successfully completed alcohol breath test	<input checked="" type="checkbox"/>	RFI Detection stops testing	<input checked="" type="checkbox"/>
Ambient Detection Failure stops testing	<input checked="" type="checkbox"/>	Interferent (Acetone) Detection stops testing	<input checked="" type="checkbox"/>
GEBS Check Accuracy Failure stops testing	<input checked="" type="checkbox"/>	Magnetic Strip Driver's License Reader Operational	<input checked="" type="checkbox"/>
Direct Connect Upload to COBRA Database	<input checked="" type="checkbox"/>	Instrument cleaned	<input checked="" type="checkbox"/>
Pressure Readings: Instrument P: 694 psi Regulator: ~700 psi		Instrument Temperatures: Breath Hose 45 °C Breath Cell: 47 °C	

Dry Gas 1 ☒

Certified Value (g/210L): 0.045

Lot#: **09413045A1** Exp: **6-1-15**

Replicate	Observed (g/210L)
1	0.050
2	0.050
3	0.051
4	0.050
5	0.050
6	0.051
7	0.050
8	0.050
9	0.050
10	0.050

Mean Value: **0.0502** (g/210L)Standard Deviation: **0.0004**

Dry Gas 2 ☒

Certified Value (g/210L): 0.080

Lot#: **13413080A1** Exp: **6-1-15**

Replicate	Observed (g/210L)
1	0.083
2	0.083
3	0.083
4	0.084
5	0.084
6	0.083
7	0.084
8	0.083
9	0.083
10	0.083

Mean Value: **0.0833** (g/210L)Standard Deviation: **0.0004**

Dry Gas 3 ☒

Certified Value (g/210L): 0.200

Lot#: **19613200A6** Exp: **8-1-15**

Replicate	Observed (g/210L)
1	0.193
2	0.193
3	0.193
4	0.193
5	0.193
6	0.192
7	0.193
8	0.193
9	0.193
10	0.193

Mean Value: **0.1929** (g/210L)Standard Deviation: **0.0003**

GEBS Verification

Certified Value (g/210L): 0.100

Lot#: **04613100A1** Exp: **5-1-15**

20 Replicates (g/210L)	
0.100	0.101
0.101	0.100
0.100	0.101
0.101	0.100
0.100	0.101
0.101	0.100
0.101	0.100
0.101	0.100
0.101	0.100
0.100	0.101
0.101	0.101

Mean Value: **0.1005** (g/210L)Standard Deviation: **0.0005**

This certificate certifies this instrument for field use. Certificate Issue Date: 6-18-2014 Certified By Criminalist: Velvet McLasky 8256

Technical Review: he Date: 7-1-14

Administrative Review: gm Date: 7-24-14

CERTIFICATE OF CALIBRATION

INTOXILYZER[®] 8000

This is to certify that the calibration of INTOXILYZER serial number 80-000715, manufactured by CMI, subsidiary of MPD, Inc. of Owensboro, Kentucky, was tested and found to be in compliance with the National Safety Administration Standard for Devices to Measure Breath Alcohol (F.R., No. 179 48705-48710 Sept. 17, 1993) and with International Recommendation OIML R126 Edition 1998 (E). Calibration solutions are traceable to NIST (NBS) standard material 1828.

Date 7-29-04 Signed Curt Donahue
Technician



316 EAST 9TH STREET
OWENSBORO, KY. 42303

SDPD CRIME LABORATORY
FORENSIC CHEMISTRY UNIT

Intoxilyzer 8000 Maintenance Log

Intoxilyzer Serial Number: 80-000717

Software Version:

DATE	INITIALS	MAINTENANCE / COMMENTS
6-21-17	Um	Replaced Breath Hose <input type="radio"/> Yearly QA Complete <input checked="" type="radio"/> 6-14-17
		ETOH Free Breath Test <input type="radio"/>
		Software Update: _____ Next QA Due: 6-13-18
		Other (comments) turned 3rd digit on during QA
		Software version: 8122.15
		Current Location: _____
6/21/17	JP	Replaced Breath Hose <input type="radio"/> Yearly QA Complete <input type="radio"/>
		ETOH Free Breath Test <input type="radio"/>
		Software Update: _____ Next QA Due: _____
		Other (comments) _____
		Current Location: RM 138
		Replaced Breath Hose <input type="radio"/> Yearly QA Complete <input type="radio"/>
		ETOH Free Breath Test <input type="radio"/>
		Software Update: _____ Next QA Due: _____
		Other (comments) _____
		Current Location: _____
		Replaced Breath Hose <input type="radio"/> Yearly QA Complete <input type="radio"/>
		ETOH Free Breath Test <input type="radio"/>
		Software Update: _____ Next QA Due: _____
		Other (comments) _____
		Current Location: _____
		Replaced Breath Hose <input type="radio"/> Replaced RT Battery <input type="radio"/>
		ETOH Free Breath Test <input type="radio"/> Yearly QA Complete <input type="radio"/>
		Software Update: _____ Next QA Due: _____
		Other (comments) _____
		Current Location: _____

SDPD CRIME LABORATORY
FORENSIC CHEMISTRY UNIT

Intoxilyzer 8000 Maintenance Log

Intoxilyzer Serial Number: 80-000717 Year: 2014 Location: Lab

DATE	INITIALS	MAINTENANCE/COMMENTS
6-27-14	JM	Changed GEBS Tank <input type="checkbox"/> Level 2 Cal Check <input type="checkbox"/> Replaced Regulator <input type="checkbox"/> Replaced Breath Hose <input type="checkbox"/> Replace/Fix Silver Nut <input type="checkbox"/> Yearly QA/Due: <u>6-26-15</u> <input checked="" type="checkbox"/> Replaced Power Cord <input type="checkbox"/> Replaced RT Battery <input type="checkbox"/> Software update: _____ Other (comments) _____ Location Change: _____
7-2-16	JM	Changed GEBS Tank <input type="checkbox"/> Level 2 Cal Check <input type="checkbox"/> Replaced Regulator <input checked="" type="checkbox"/> Replaced Breath Hose <input type="checkbox"/> Replace/Fix Silver Nut <input type="checkbox"/> Yearly QA/Due: <u>7-20-16</u> <input checked="" type="checkbox"/> Replaced Power Cord <input type="checkbox"/> Replaced RT Battery <input type="checkbox"/> Software update: _____ Other (comments) _____ Location Change: _____
		Changed GEBS Tank <input type="checkbox"/> Level 2 Cal Check <input type="checkbox"/> Replaced Regulator <input type="checkbox"/> Replaced Breath Hose <input type="checkbox"/> Replace/Fix Silver Nut <input type="checkbox"/> Yearly QA/Due: _____ Replaced Power Cord <input type="checkbox"/> Replaced RT Battery <input type="checkbox"/> Software update: _____ Other (comments) _____ Location Change: _____
	JM 6-21-17	Changed GEBS Tank <input type="checkbox"/> Level 2 Cal Check <input type="checkbox"/> Replaced Regulator <input type="checkbox"/> Replaced Breath Hose <input type="checkbox"/> Replace/Fix Silver Nut <input type="checkbox"/> Yearly QA/Due: _____ Replaced Power Cord <input type="checkbox"/> Replaced RT Battery <input type="checkbox"/> Software update: _____ Other (comments) _____ Location Change: _____
		Changed GEBS Tank <input type="checkbox"/> Level 2 Cal Check <input type="checkbox"/> Replaced Regulator <input type="checkbox"/> Replaced Breath Hose <input type="checkbox"/> Replace/Fix Silver Nut <input type="checkbox"/> Yearly QA/Due: _____ Replaced Power Cord <input type="checkbox"/> Replaced RT Battery <input type="checkbox"/> Software update: _____ Other (comments) _____ Location Change: _____
		Changed GEBS Tank <input type="checkbox"/> Level 2 Cal Check <input type="checkbox"/> Replaced Regulator <input type="checkbox"/> Replaced Breath Hose <input type="checkbox"/> Replace/Fix Silver Nut <input type="checkbox"/> Yearly QA/Due: _____ Replaced Power Cord <input type="checkbox"/> Replaced RT Battery <input type="checkbox"/> Software update: _____ Other (comments) _____ Location Change: _____

SDPD CRIME LABORATORY
FORENSIC CHEMISTRY UNIT

Intoxilyzer 8000 Maintenance Log

Intoxilyzer Serial Number: 80-000717 Year: 2012 Location: Room 138 / CAR # 7031

DATE	INITIALS	MAINTENANCE/COMMENTS
6/13/12	<i>Jim</i>	Changed GEBS Tank <input type="checkbox"/> Level 2 Cal Check <input type="checkbox"/> Replaced Regulator <input type="checkbox"/> Replaced Breath Hose <input checked="" type="checkbox"/> Replace/Fix Silver Nut <input type="checkbox"/> Yearly QA/Due: <input type="checkbox"/> Replaced Power Cord <input type="checkbox"/> Replaced RT Battery <input type="checkbox"/> Software update: _____ Other (comments) _____ Location Change: _____
7-24-12	<i>Jim</i>	Changed GEBS Tank <input type="checkbox"/> Level 2 Cal Check <input type="checkbox"/> Replaced Regulator <input type="checkbox"/> Replaced Breath Hose <input type="checkbox"/> Replace/Fix Silver Nut <input type="checkbox"/> Yearly QA/Due: <input type="checkbox"/> Replaced Power Cord <input type="checkbox"/> Replaced RT Battery <input type="checkbox"/> Software update: _____ Other (comments) <u>Subject test performed to test instrument</u> Location Change: <u>CAR # 7031</u>
9/1/12	<i>Jim</i>	Changed GEBS Tank <input type="checkbox"/> Level 2 Cal Check <input type="checkbox"/> Replaced Regulator <input type="checkbox"/> Replaced Breath Hose <input checked="" type="checkbox"/> Replace/Fix Silver Nut <input type="checkbox"/> Yearly QA/Due: <input type="checkbox"/> Replaced Power Cord <input type="checkbox"/> Replaced RT Battery <input type="checkbox"/> Software update: _____ Other (comments) <u>Keep</u> Location Change: _____
3-22-13	<i>Jim</i>	Changed GEBS Tank <input type="checkbox"/> Level 2 Cal Check <input checked="" type="checkbox"/> Replaced Regulator <input checked="" type="checkbox"/> Replaced Breath Hose <input type="checkbox"/> Replace/Fix Silver Nut <input type="checkbox"/> Yearly QA/Due: <input type="checkbox"/> Replaced Power Cord <input type="checkbox"/> Replaced RT Battery <input type="checkbox"/> Software update: _____ Other (comments) <u>Replaced Keyboard</u> Location Change: _____
5-1-13	<i>Jim</i>	Changed GEBS Tank <input type="checkbox"/> Level 2 Cal Check <input checked="" type="checkbox"/> Replaced Regulator <input type="checkbox"/> Replaced Breath Hose <input type="checkbox"/> Replace/Fix Silver Nut <input type="checkbox"/> Yearly QA/Due: <u>5-1-14</u> <input checked="" type="checkbox"/> Replaced Power Cord <input checked="" type="checkbox"/> Replaced RT Battery <input type="checkbox"/> Software update: _____ Other (comments) _____ Location Change: _____
6/4/13	<i>gof</i>	Changed GEBS Tank <input type="checkbox"/> Level 2 Cal Check <input type="checkbox"/> Replaced Regulator <input type="checkbox"/> Replaced Breath Hose <input type="checkbox"/> Replace/Fix Silver Nut <input type="checkbox"/> Yearly QA/Due: <input type="checkbox"/> Replaced Power Cord <input type="checkbox"/> Replaced RT Battery <input type="checkbox"/> Software update: _____ Other (comments) <u>modem fail</u> Location Change: <u>Removed from car 7031</u>

SDPD CRIME LABORATORY
FORENSIC CHEMISTRY UNIT

Intoxilyzer 8000 Maintenance Log

Intoxilyzer Serial Number: 80-00717 Year: 2011 Location: _____

TE	INITIALS	MAINTENANCE/COMMENTS
9-21-11	Q	Changed GEBS Tank <input type="checkbox"/> Level 2 Cal Check <input type="checkbox"/> Replaced Regulator <input type="checkbox"/> Replaced Breath Hose <input type="checkbox"/> Replace/Fix Silver Nut <input type="checkbox"/> Yearly QA/Due: <input type="checkbox"/> Replaced Power Cord <input type="checkbox"/> Replaced RT Battery <input type="checkbox"/> Software update: _____ Other (comments) <u>to car # 7025.</u> Location Change: _____
12-16-11	BT	Changed GEBS Tank <input type="checkbox"/> Level 2 Cal Check <input type="checkbox"/> Replaced Regulator <input type="checkbox"/> Replaced Breath Hose <input type="checkbox"/> Replace/Fix Silver Nut <input type="checkbox"/> Yearly QA/Due: <input type="checkbox"/> Replaced Power Cord <input type="checkbox"/> Replaced RT Battery <input type="checkbox"/> Software update: _____ Other (comments) <u>from car # 7025 - EEPROM failure # 018.</u> Location Change: _____
12/9/11	ym	Changed GEBS Tank <input type="checkbox"/> Level 2 Cal Check <input checked="" type="checkbox"/> Replaced Regulator <input type="checkbox"/> Replaced Breath Hose <input type="checkbox"/> Replace/Fix Silver Nut <input type="checkbox"/> Yearly QA/Due: <input type="checkbox"/> Replaced Power Cord <input type="checkbox"/> Replaced RT Battery <input type="checkbox"/> Software update: _____ Other (comments) <u>Remote connect to CMI (via modem) -> fixed EEPROM Error. Diagnostics -> All Pass; Level 2 Cal Check -> Pass</u> Location Change: <u>(OK for use) ym.</u>
12-11-11	BT	Changed GEBS Tank <input type="checkbox"/> Level 2 Cal Check <input type="checkbox"/> Replaced Regulator <input type="checkbox"/> Replaced Breath Hose <input type="checkbox"/> Replace/Fix Silver Nut <input type="checkbox"/> Yearly QA/Due: <input type="checkbox"/> Replaced Power Cord <input type="checkbox"/> Replaced RT Battery <input type="checkbox"/> Software update: _____ Other (comments) <u>Returned to car 7025.</u> Location Change: _____
12-24-11	uh	Changed GEBS Tank <input type="checkbox"/> Level 2 Cal Check <input checked="" type="checkbox"/> Replaced Regulator <input type="checkbox"/> Replaced Breath Hose <input type="checkbox"/> Replace/Fix Silver Nut <input type="checkbox"/> Yearly QA/Due: <input type="checkbox"/> Replaced Power Cord <input type="checkbox"/> Replaced RT Battery <input type="checkbox"/> Software update: _____ Other (comments) _____ Location Change: <u>Removed from car 7025 / Placed in Rm 138</u>
05-17-12	uh	Changed GEBS Tank <input type="checkbox"/> Level 2 Cal Check <input type="checkbox"/> Replaced Regulator <input type="checkbox"/> Replaced Breath Hose <input type="checkbox"/> Replace/Fix Silver Nut <input type="checkbox"/> Yearly QA/Due: <u>05-17-13</u> <input checked="" type="checkbox"/> Replaced Power Cord <input type="checkbox"/> Replaced RT Battery <input type="checkbox"/> Software update: _____ Other (comments) _____ Location Change: _____

Yearly Quality Assurance Certificate

On 4/13/2017 and 4/17/2017, Criminalist Velvet McLasky performed analysis to determine the calibration status and operation of the above instrument using NIST traceable dry gas ethanol standards of known ethanol concentration. The uncertainty of measurement was determined from these results.

Operational Features:

Time and Date Correct ☒
 Diagnostics Testing Pass All Parameters ☒
 Invalid Sample Check ☒
 Deficient Sample Check ☒
 Improper Sample Check ☒
 Breath Test Refusal Feature ☒

GEBS used: Certified Value: (0.080g/210L): Lot#: **03417080A2**

Expiration: 3-5-2019

Aborting Test using Start Button ☒
 Successful Alcohol Free Breath Test ☒
 Successful Alcohol Breath Test ☒
 RFI Detection ☒
 Interferent (Acetone) Detection ☒
 Ambient Detection ☒

CalCheck Failed (GEBS value wrong) ☒
 Magnetic Strip Reader Operational ☒
 Direct Connect to COBRA ☒
 Instrument Cleaned ☒

Pressure Reading: Instrument P: **912** psiRegulator: **~900** psiTemperature Check: Breath Hose: **44.9°C** Breath Cell: **47.0°C**

Certified Value: (0.040g/210L):

Lot#: **12716040A8**

Expiration: 6-5-2018

Replicate	Result (g/210L)
1	0.040
2	0.040
3	0.040
4	0.040
5	0.040
6	0.040
7	0.040
8	0.040
9	0.041
10	0.039

Mean Value: 0.040 (g/210L)

Average Difference from known: 0.000

Standard Deviation: 0.0004

Certified Value: (0.100g/210L):

Lot#: **23016100A1**

Expiration: 9-5-2018

Replicate	Result (g/210L)
1	0.099
2	0.099
3	0.099
4	0.098
5	0.099
6	0.099
7	0.099
8	0.099
9	0.099
10	0.099

Mean Value: 0.098 (g/210L)

Average Difference from known: 0.002

Standard Deviation: 0.0003

Certified Value: (0.200g/210L):

Lot#: **26615200A1**

Expiration: 10-5-2017

Replicate	Result (g/210L)
1	0.195
2	0.195
3	0.195
4	0.195
5	0.195
6	0.194
7	0.195
8	0.195
9	0.195
10	0.195

Mean Value: 0.194 (g/210L)

Average Difference from known: 0.006

Standard Deviation: 0.0003

GEBS Verification: (0.080g/210L):

Lot#: **03417080A2**

Expiration: 3-5-2019

20 Replicates (g/210L)			
1	0.080	11	0.081
2	0.080	12	0.080
3	0.080	13	0.081
4	0.081	14	0.081
5	0.080	15	0.080
6	0.080	16	0.080
7	0.081	17	0.080
8	0.081	18	0.080
9	0.080	19	0.080
10	0.080	20	0.080

Mean Value: 0.080 (g/210L)

Average Difference from known: 0.000

Standard Deviation: 0.0004

The Uncertainty of Measurement is +/- 0.006 g/210L at a confidence interval of approximately 95% for breath results below 0.100 g/210L and +/-7% at a confidence interval of approximately 95% for breath results between 0.100-0.400 g/210L. The uncertainty shall be applied to the average of the two breath samples that agree within ± 0.02 g/210 L.


Levels that are greater than 0.400 g/210 L will not have an established uncertainty and should be considered to have a value greater than 0.400 g/210 L.

This instrument is capable of measuring a known GEBS value at +/- 0.010 grams % of the true value for values ranging from 0.08 to 0.30 grams % as per Title 17.

This report certifies this instrument for field use.

Certificate Issue Date: 6/14/2017

Certified by Criminalist: Velvet McLasky

Technical Review: Date: 6/20/17Administrative Review: Date: 6/20/17

Quality Assurance and Calibration Report

Intoxilyzer 8000 Instrument Serial #: **80-000717**

On **6-27-14**, Criminalist **Velvet McLasky** performed analysis to determine the calibration status and operation of the Intoxilyzer 8000, serial #80-000717 using NIST traceable dry gas ethanol standards of known ethanol concentration. The results from this analysis are as follows:

Operational Features:

Time and Date Correct	<input checked="" type="checkbox"/>	Diagnostics Testing Parameters all Pass	<input checked="" type="checkbox"/>
Invalid Sample Check stops testing	<input checked="" type="checkbox"/>	Deficient Sample Check stops testing	<input checked="" type="checkbox"/>
Improper Sample Check stops testing	<input checked="" type="checkbox"/>	Breath Test Refusal stops testing showing refusal	<input checked="" type="checkbox"/>
Aborting a Testing Sequence at any time	<input checked="" type="checkbox"/>	Successfully completed alcohol free breath test	<input checked="" type="checkbox"/>
Successfully completed alcohol breath test	<input checked="" type="checkbox"/>	RFI Detection stops testing	<input checked="" type="checkbox"/>
Ambient Detection Failure stops testing	<input checked="" type="checkbox"/>	Interferent (Acetone) Detection stops testing	<input checked="" type="checkbox"/>
GEBS Check Accuracy Failure stops testing	<input checked="" type="checkbox"/>	Magnetic Strip Driver's License Reader Operational	<input checked="" type="checkbox"/>
Direct Connect Upload to COBRA Database	<input checked="" type="checkbox"/>	Instrument cleaned	<input checked="" type="checkbox"/>
Pressure Readings: Instrument P: 737 psi Regulator: ~740 psi		Instrument Temperatures: Breath Hose 44.9 °C Breath Cell: 47.0 °C	

Dry Gas 1 ☒

Certified Value (g/210L): 0.045

Lot#: **09413045A1** Exp: **6-1-15**

Replicate	Observed (g/210L)
1	0.045
2	0.045
3	0.046
4	0.046
5	0.046
6	0.046
7	0.045
8	0.045
9	0.045
10	0.046

Mean Value: **0.0455**(g/210L)Standard Deviation: **0.0005**

Dry Gas 2 ☒

Certified Value (g/210L): 0.080

Lot#: **13413080A1** Exp: **6-1-15**

Replicate	Observed (g/210L)
1	0.080
2	0.079
3	0.080
4	0.080
5	0.080
6	0.079
7	0.080
8	0.080
9	0.079
10	0.080

Mean Value: **0.0797**(g/210L)Standard Deviation: **0.0004**

Dry Gas 3 ☒

Certified Value (g/210L): 0.200

Lot#: **19613200A6** Exp: **8-1-15**

Replicate	Observed (g/210L)
1	0.193
2	0.194
3	0.193
4	0.194
5	0.193
6	0.193
7	0.194
8	0.194
9	0.194
10	0.193

Mean Value: **0.1935** (g/210L)Standard Deviation: **0.0005**

GEBS Verification

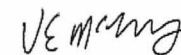
Certified Value (g/210L): 0.100

Lot#: **15013100A2** Exp: **6-1-15**

20 Replicates (g/210L)	
0.098	0.098
0.099	0.099
0.099	0.098
0.099	0.099
0.098	0.099
0.100	0.098
0.098	0.098
0.098	0.099
0.099	0.099
0.098	0.099

Mean Value: **0.0986**(g/210L)Standard Deviation: **0.0005**

This certificate certifies this instrument for field use. Certificate Issue Date: 6-27-2014 Certified By Criminalist: Velvet McLasky 8256


Technical Review: JH Date: 7-1-14Administrative Review: JM Date: 7-24-14

SDPD CRIME LABORATORY
FORENSIC CHEMISTRY UNIT

Tim 6/8/17
Intoxilyzer 8000 Maintenance Log

Intoxilyzer Serial Number: 80- 000718

Software Version: _____

DATE	INITIALS	MAINTENANCE / COMMENTS	
2-22-17	vm	Replaced Breath Hose <input type="radio"/>	Yearly QA Complete <input type="radio"/>
		ETOH Free Breath Test <input type="radio"/>	
		Software Update: _____	Next QA Due: _____
		Other (comments) <u>Used for Intox class</u>	
		Current Location: _____	
3-22-17	vm	Replaced Breath Hose <input type="radio"/>	Yearly QA Complete <input type="radio"/>
		ETOH Free Breath Test <input type="radio"/>	
		Software Update: _____	Next QA Due: _____
		Other (comments) <u>Used for Intox class</u>	
		Current Location: _____	
4/13/17	vm	Replaced Breath Hose <input type="radio"/>	Yearly QA Complete <input type="radio"/>
		ETOH Free Breath Test <input type="radio"/>	
		Software Update: <u>8122.15</u>	Next QA Due: _____
		Other (comments) _____	
		Current Location: _____	
6-21-17	vm	Replaced Breath Hose <input type="radio"/>	Yearly QA Complete <input type="radio"/> <u>6/14/17</u>
		ETOH Free Breath Test <input type="radio"/>	
		Software Update: _____	Next QA Due: <u>6/13/18</u>
		Other (comments) _____	
		Current Location: _____	
6-21-17	vm	Replaced Breath Hose <input type="radio"/>	Yearly QA Complete <input type="radio"/>
		ETOH Free Breath Test <input type="radio"/>	
		Software Update: _____	Next QA Due: _____
		Other (comments) _____	
		Current Location: <u>VAN</u>	
		Replaced Breath Hose <input type="radio"/>	Replaced RT Battery <input type="radio"/>
		ETOH Breath Test <input type="radio"/>	Yearly QA Complete <input type="radio"/>
		Software Update: _____	Next QA Due: _____
		Other (comments) _____	
		Current Location: _____	

SDPD CRIME LABORATORY
FORENSIC CHEMISTRY UNIT

Intoxilyzer 8000 Maintenance Log

Intoxilyzer Serial Number: 80- 000718 Year: 2015 Location: LAB

DATE	INITIALS	MAINTENANCE/COMMENTS
9/23/15	Jm	Changed GEBS Tank <input type="checkbox"/> Level 2 Cal Check <input type="checkbox"/> Replaced Regulator <input type="checkbox"/> Replaced Breath Hose <input type="checkbox"/> Replace/Fix Silver Nut <input type="checkbox"/> Yearly QA/Due: 9/23/15 <input checked="" type="checkbox"/> Replaced Power Cord <input type="checkbox"/> Replaced RT Battery <input checked="" type="checkbox"/> _____ Software update: _____ Other (comments) _____ Location Change: _____
9/30/15	Jm	Changed GEBS Tank <input type="checkbox"/> Level 2 Cal Check <input checked="" type="checkbox"/> Replaced Regulator <input type="checkbox"/> Replaced Breath Hose <input type="checkbox"/> Replace/Fix Silver Nut <input type="checkbox"/> Yearly QA/Due: _____ Replaced Power Cord <input type="checkbox"/> Replaced RT Battery <input type="checkbox"/> _____ Software update: _____ Other (comments) _____ Location Change: <u>CAR 7031</u>
vm 7/8-8/16	vm	Changed GEBS Tank <input type="checkbox"/> Level 2 Cal Check <input type="checkbox"/> Replaced Regulator <input type="checkbox"/> Replaced Breath Hose <input type="checkbox"/> Replace/Fix Silver Nut <input type="checkbox"/> Yearly QA/Due: _____ Replaced Power Cord <input type="checkbox"/> Replaced RT Battery <input type="checkbox"/> _____ Software update: _____ Other (comments) <u>Cal check fail on 7/7/16 following test everything Pass</u> Location Change: _____
9-19/16	vm	Changed GEBS Tank <input type="checkbox"/> Level 2 Cal Check <input type="checkbox"/> Replaced Regulator <input type="checkbox"/> Replaced Breath Hose <input type="checkbox"/> Replace/Fix Silver Nut <input type="checkbox"/> Yearly QA/Due: _____ Replaced Power Cord <input type="checkbox"/> Replaced RT Battery <input type="checkbox"/> _____ Software update: _____ Other (comments) _____ Location Change: <u>LAB</u>
		Changed GEBS Tank <input type="checkbox"/> Level 2 Cal Check <input type="checkbox"/> Replaced Regulator <input type="checkbox"/> Replaced Breath Hose <input type="checkbox"/> Replace/Fix Silver Nut <input type="checkbox"/> Yearly QA/Due: _____ Replaced Power Cord <input type="checkbox"/> Replaced RT Battery <input type="checkbox"/> _____ Software update: _____ Other (comments) _____ Location Change: _____
		Changed GEBS Tank <input type="checkbox"/> Level 2 Cal Check <input type="checkbox"/> Replaced Regulator <input type="checkbox"/> Replaced Breath Hose <input type="checkbox"/> Replace/Fix Silver Nut <input type="checkbox"/> Yearly QA/Due: _____ Replaced Power Cord <input type="checkbox"/> Replaced RT Battery <input type="checkbox"/> _____ Software update: _____ Other (comments) _____ Location Change: _____

SDPD CRIME LABORATORY
FORENSIC CHEMISTRY UNIT

Intoxilyzer 8000 Maintenance Log

Intoxilyzer Serial Number: 80-000718 Year: 2013 Location: Van/Lab

DATE	INITIALS	MAINTENANCE/COMMENTS
5/6/13	JAT	Changed GEBS Tank <input type="checkbox"/> Level 2 Cal Check <input type="checkbox"/> Replaced Regulator <input checked="" type="checkbox"/> Replaced Breath Hose <input type="checkbox"/> Replace/Fix Silver Nut <input type="checkbox"/> Yearly QA/Due: 5/1/13 <input checked="" type="checkbox"/> Replaced Power Cord <input type="checkbox"/> Replaced RT Battery <input type="checkbox"/> Software update: _____ Other (comments) _____ Location Change: _____
10/24/13 10/17/13 JAT	JAT	Changed GEBS Tank <input type="checkbox"/> Level 2 Cal Check <input type="checkbox"/> Replaced Regulator <input type="checkbox"/> Replaced Breath Hose <input type="checkbox"/> Replace/Fix Silver Nut <input type="checkbox"/> Yearly QA/Due: _____ Replaced Power Cord <input type="checkbox"/> Replaced RT Battery <input type="checkbox"/> Software update: _____ Other (comments) <u>NO ISSUES</u> Location Change: <u>Returned to lab - NO ISSUES</u>
8-18-14	Jm	Changed GEBS Tank <input type="checkbox"/> Level 2 Cal Check <input type="checkbox"/> Replaced Regulator <input type="checkbox"/> Replaced Breath Hose <input type="checkbox"/> Replace/Fix Silver Nut <input type="checkbox"/> Yearly QA/Due: 8-17-15 <input checked="" type="checkbox"/> Replaced Power Cord <input type="checkbox"/> Replaced RT Battery <input type="checkbox"/> Software update: _____ Other (comments) <u>Breath 3rd digit turned on</u> Location Change: _____
8-29-14	Jm	Changed GEBS Tank <input type="checkbox"/> Level 2 Cal Check <input type="checkbox"/> Replaced Regulator <input type="checkbox"/> Replaced Breath Hose <input type="checkbox"/> Replace/Fix Silver Nut <input type="checkbox"/> Yearly QA/Due: _____ Replaced Power Cord <input type="checkbox"/> Replaced RT Battery <input type="checkbox"/> Software update: _____ Other (comments) _____ Location Change: <u>to car</u>
8-29-14	Jm	Changed GEBS Tank <input type="checkbox"/> Level 2 Cal Check <input type="checkbox"/> Replaced Regulator <input type="checkbox"/> Replaced Breath Hose <input type="checkbox"/> Replace/Fix Silver Nut <input type="checkbox"/> Yearly QA/Due: _____ Replaced Power Cord <input type="checkbox"/> Replaced RT Battery <input type="checkbox"/> Software update: _____ Other (comments) <u>ETOH free breath test</u> Location Change: _____
6/18/15	Jm	Changed GEBS Tank <input type="checkbox"/> Level 2 Cal Check <input type="checkbox"/> Replaced Regulator <input type="checkbox"/> Replaced Breath Hose <input type="checkbox"/> Replace/Fix Silver Nut <input type="checkbox"/> Yearly QA/Due: _____ Replaced Power Cord <input type="checkbox"/> Replaced RT Battery <input type="checkbox"/> Software update: _____ Other (comments) <u>RT Battery needs to be replaced</u> Location Change: <u>LAB</u>

Yearly Quality Assurance Certificate

On 4/13/17 and 4/17/17, Criminalist McLasky performed analysis to determine the calibration status and operation of the above instrument using NIST traceable dry gas ethanol standards of known ethanol concentration. The uncertainty of measurement was determined from these results.

Operational Features:

Time and Date Correct ☒
 Diagnostics Testing Pass All Parameters ☒
 Invalid Sample Check ☒
 Deficient Sample Check ☒
 Improper Sample Check ☒
 Breath Test Refusal Feature ☒

GEBS used: Certified Value: (0.080g/210L): Lot#: **03417080A2**

Expiration: 3/5/2019

Aborting Test using Start Button ☒ CalCheck Failed (GEBS value wrong) ☒
 Successful Alcohol Free Breath Test ☒ Magnetic Strip Reader Operational ☒
 Successful Alcohol Breath Test ☒ Direct Connect to COBRA ☒
 RFI Detection ☒ Instrument Cleaned ☒
 Interferent (Acetone) Detection ☒
 Ambient Detection ☒

Pressure Reading: Instrument P: **1011** psi Regulator: **~1000** psiTemperature Check: Breath Hose: **45.0** °C Breath Cell: **47.0** °C

Certified Value: (0.040g/210L):

Lot#: **12716040A8**

Expiration: 6-5-2018

Replicate	Result (g/210L)
1	0.043
2	0.041
3	0.040
4	0.042
5	0.041
6	0.041
7	0.042
8	0.041
9	0.042
10	0.041

Mean Value: 0.041 (g/210L)

Average Difference from known: 0.001

Standard Deviation: 0.0008

Certified Value: (0.100g/210L):

Lot#: **23016100A1**

Expiration: 9-5-2018

Replicate	Result (g/210L)
1	0.101
2	0.101
3	0.101
4	0.101
5	0.102
6	0.101
7	0.100
8	0.102
9	0.101
10	0.101

Mean Value: 0.101 (g/210L)

Average Difference from known: 0.001

Standard Deviation: 0.0005

Certified Value: (0.200g/210L):

Lot#: **26615200A1**

Expiration: 10-5-2017

Replicate	Result (g/210L)
1	0.199
2	0.199
3	0.198
4	0.199
5	0.199
6	0.198
7	0.198
8	0.198
9	0.198
10	0.199

Mean Value: 0.198 (g/210L)

Average Difference from known: 0.002

Standard Deviation: 0.0005

GEBS Verification: (0.080g/210L):

Lot#: **03417080A2**

Expiration: 3-5-2019

20 Replicates (g/210L)			
1	0.082	11	0.082
2	0.081	12	0.081
3	0.082	13	0.082
4	0.081	14	0.083
5	0.082	15	0.082
6	0.082	16	0.082
7	0.082	17	0.083
8	0.083	18	0.082
9	0.081	19	0.083
10	0.082	20	0.082

Mean Value: 0.082 (g/210L)

Average Difference from known: 0.002

Standard Deviation: 0.0006

The Uncertainty of Measurement is +/- 0.006 g/210L at a confidence interval of approximately 95% for breath results below 0.100 g/210L and +/- 7% at a confidence interval of approximately 95% for breath results between 0.100-0.400 g/210L. The uncertainty shall be applied to the average of the two breath samples that agree within ± 0.02 g/210 L.

Levels that are greater than 0.400 g/210 L will not have an established uncertainty and should be considered to have a value greater than 0.400 g/210 L.

This instrument is capable of measuring a known GEBS value at +/- 0.010 grams % of the true value for values ranging from 0.08 to 0.30 grams % as per Title 17.

This report certifies this instrument for field use.

Technical Review: gsl Date: 6/20/17

Certificate Issue Date: 6/14/2017

Administrative Review: gm Date: 6/20/17

Certified by Criminalist: Velvet McLasky

Yearly Quality Assurance Certificate

Intoxilyzer 8000 Instrument Serial#: 80-000718

On 9/22/2015 and 9/23/2015, Criminalist Merzowski performed analysis to determine the calibration status and operation of Intoxilyzer 8000, serial # 80-000718 using NIST traceable dry gas ethanol standards of known ethanol concentration. The uncertainty of measurement for this instrument was determined from these results. The results from this analysis are as follows:

Operational Features:

Time and Date Correct	<input checked="" type="checkbox"/>	Successful Alcohol Breath Test	<input checked="" type="checkbox"/>
Diagnostics Testing Pass All Parameters	<input checked="" type="checkbox"/>	RFI Detection	<input checked="" type="checkbox"/>
Invalid Sample Check	<input checked="" type="checkbox"/>	Interferent (Acetone) Detection	<input checked="" type="checkbox"/>
Deficient Sample Check	<input checked="" type="checkbox"/>	Ambient Detection	<input checked="" type="checkbox"/>
Improper Sample Check	<input checked="" type="checkbox"/>	CalCheck Failed (GEBS value wrong)	<input checked="" type="checkbox"/>
Breath Test Refusal Feature	<input checked="" type="checkbox"/>	Magnetic Strip Reader Operational	<input checked="" type="checkbox"/>
Aborting Test using Start Button	<input checked="" type="checkbox"/>	Direct Connect to COBRA	<input checked="" type="checkbox"/>
Successful Alcohol Free Breath Test	<input checked="" type="checkbox"/>	Instrument Cleaned	<input checked="" type="checkbox"/>
Pressure Reading: Instrument P: 212 psi Regulator: 200 psi		Temperature Check: Breath Hose: 45.0°C Breath Cell: 47.0°C	

Dry Gas Standard Analysis

Certified Value: (g/210L): 0.040
Lot#: 11514040A3
Expiration: 5/1/2016

Replicate	Result (g/210L)
1	0.042
2	0.042
3	0.042
4	0.041
5	0.041
6	0.042
7	0.042
8	0.042
9	0.042
10	0.041

Mean Value: 0.0417 (g/210L)
Standard Deviation: 0.0004

Certified Value: (g/210L): 0.080
Lot#: 13314080A3
Expiration: 6/5/2016

Replicate	Result (g/210L)
1	0.082
2	0.082
3	0.081
4	0.082
5	0.081
6	0.082
7	0.082
8	0.081
9	0.082
10	0.082

Mean Value: 0.0817 (g/210L)
Standard Deviation: 0.0004

Certified Value: (g/210L): 0.200
Lot#: 17414200A1
Expiration: 7/5/2016

Replicate	Result (g/210L)
1	0.200
2	0.201
3	0.199
4	0.201
5	0.200
6	0.200
7	0.200
8	0.199
9	0.200
10	0.200

Mean Value: 0.2000 (g/210L)
Standard Deviation: 0.0006

GEBS Verification: (g/210L): 0.100
Lot#: 29113100A1
Expiration: 11/1/2015

20 Replicates (g/210L)			
1	0.102	11	0.100
2	0.101	12	0.101
3	0.101	13	0.101
4	0.102	14	0.100
5	0.101	15	0.101
6	0.100	16	0.100
7	0.101	17	0.100
8	0.101	18	0.101
9	0.100	19	0.101
10	0.101	20	0.101

Mean Value: 0.1008 (g/210L)
Standard Deviation: 0.0006

This report certifies this instrument for field use. Certificate Issue Date: 9/23/2015

Technical Review: VM Date: 9-29-15 Administrative Review: MM Date: 10-1-15 The Uncertainty of Measurement is ± 0.006 at a 99% confidence interval

Certified by Criminalist: Lisa Merzowski 8178

Certificate of Calibration

Intoxilyzer® 8000

*This is to certify that the calibration of **Intoxilyzer**® serial number 80-000718, manufactured by CMI Inc., a subsidiary of MPD, Inc. of Owensboro, Kentucky, was tested and found to be in compliance with the National Highway Traffic Safety Administration Standard for Devices to Measure Breath Alcohol (F.R., No: 179 48705-48710 Sept. 17, 1993) and with International Recommendation OIML R126 Edition 1998 (E). Calibration solutions are traceable to NIST standard material 1828.*

Date 9-20-10

Signed

Debi Palmer

Technician

SDPD CRIME LABORATORY
FORENSIC CHEMISTRY UNIT

7-6-8-17
Inoxilyzer 8000 Maintenance Log

Intoxilyzer Serial Number: 80- 000727

Software Version: _____

DATE	INITIALS	MAINTENANCE / COMMENTS
4/6/17	vm	Replaced Breath Hose <input type="radio"/> Yearly QA Complete <input type="radio"/>
		ETOH Free Breath Test <input type="radio"/>
		Software Update: _____ Next QA Due: _____
		Other (comments) _____
		Current Location: <u>13th Lab</u>
7/26/17	GF	Replaced Breath Hose <input type="radio"/> Yearly QA Complete <input checked="" type="radio"/> <u>7/20/17</u>
		ETOH Free Breath Test <input type="radio"/>
		Software Update: _____ Next QA Due: <u>7/20/18</u>
		Other (comments) _____
		Current Location: _____
		Replaced Breath Hose <input type="radio"/> Yearly QA Complete <input type="radio"/>
		ETOH Free Breath Test <input type="radio"/>
		Software Update: _____ Next QA Due: _____
		Other (comments) _____
		Current Location: _____
		Replaced Breath Hose <input type="radio"/> Yearly QA Complete <input type="radio"/>
		ETOH Free Breath Test <input type="radio"/>
		Software Update: _____ Next QA Due: _____
		Other (comments) _____
		Current Location: _____
		Replaced Breath Hose <input type="radio"/> Replaced RT Battery <input type="radio"/>
		ETOH Breath Test <input type="radio"/> Yearly QA Complete <input type="radio"/>
		Software Update: _____ Next QA Due: _____
		Other (comments) _____
		Current Location: _____

SDPD CRIME LABORATORY
FORENSIC CHEMISTRY UNIT

Intoxilyzer 8000 Maintenance Log

Intoxilyzer Serial Number: 80- 000727 Year: 2016 Location: 138

DATE	INITIALS	MAINTENANCE/COMMENTS
8/3/16	JM	Changed GEBS Tank <input type="checkbox"/> Level 2 Cal Check <input type="checkbox"/> Replaced Regulator <input type="checkbox"/> Replaced Breath Hose <input type="checkbox"/> Replace/Fix Silver Nut <input type="checkbox"/> Yearly QA/Due: <input type="checkbox"/> Replaced Power Cord <input type="checkbox"/> Replaced RT Battery <input type="checkbox"/> Software update: _____ Other (comments) <u>ETOH Free Breath test</u> Location Change: <u>138</u>
8/12/16	JS	Changed GEBS Tank <input type="checkbox"/> Level 2 Cal Check <input type="checkbox"/> Replaced Regulator <input type="checkbox"/> Replaced Breath Hose <input type="checkbox"/> Replace/Fix Silver Nut <input type="checkbox"/> Yearly QA/Due: <input type="checkbox"/> Replaced Power Cord <input type="checkbox"/> Replaced RT Battery <input type="checkbox"/> Software update: _____ Other (comments) _____ Location Change: <u>Room 213 for correlation study</u>
8/12/16	JS	Changed GEBS Tank <input type="checkbox"/> Level 2 Cal Check <input type="checkbox"/> Replaced Regulator <input type="checkbox"/> Replaced Breath Hose <input type="checkbox"/> Replace/Fix Silver Nut <input type="checkbox"/> Yearly QA/Due: <input type="checkbox"/> Replaced Power Cord <input type="checkbox"/> Replaced RT Battery <input type="checkbox"/> Software update: _____ Other (comments) _____ Location Change: <u>Rm 138</u>
1-20-17	JM	Changed GEBS Tank <input type="checkbox"/> Level 2 Cal Check <input type="checkbox"/> Replaced Regulator <input type="checkbox"/> Replaced Breath Hose <input type="checkbox"/> Replace/Fix Silver Nut <input type="checkbox"/> Yearly QA/Due: <input type="checkbox"/> Replaced Power Cord <input type="checkbox"/> Replaced RT Battery <input type="checkbox"/> Software update: _____ Other (comments) <u>added 6min to time so it reads correctly on 1/17/17</u> Location Change: _____
 	 	 Changed GEBS Tank <input type="checkbox"/> Level 2 Cal Check <input type="checkbox"/> Replaced Regulator <input type="checkbox"/> Replaced Breath Hose <input type="checkbox"/> Replace/Fix Silver Nut <input type="checkbox"/> Yearly QA/Due: <input type="checkbox"/> Replaced Power Cord <input type="checkbox"/> Replaced RT Battery <input type="checkbox"/> Software update: _____ Other (comments) _____ Location Change: _____
 	 	 Changed GEBS Tank <input type="checkbox"/> Level 2 Cal Check <input type="checkbox"/> Replaced Regulator <input type="checkbox"/> Replaced Breath Hose <input type="checkbox"/> Replace/Fix Silver Nut <input type="checkbox"/> Yearly QA/Due: <input type="checkbox"/> Replaced Power Cord <input type="checkbox"/> Replaced RT Battery <input type="checkbox"/> Software update: _____ Other (comments) _____ Location Change: _____

SDPD CRIME LABORATORY
FORENSIC CHEMISTRY UNIT

Intoxilyzer 8000 Maintenance Log

Intoxilyzer Serial Number: 80-00727 Year: 2013 Location: Room 138

DATE	INITIALS	MAINTENANCE/COMMENTS
6/14/13	JGF	Changed GEBS Tank <input type="checkbox"/> Level 2 Cal Check <input checked="" type="checkbox"/> Replaced Regulator <input type="checkbox"/> Replaced Breath Hose <input type="checkbox"/> Replace/Fix Silver Nut <input type="checkbox"/> Yearly QA/Due: <input type="checkbox"/> Replaced Power Cord <input type="checkbox"/> Replaced RT Battery <input type="checkbox"/> _____ Software update: _____ Other (comments) _____ Location Change: <u>To Room 138</u>
6/21/13	JGF	Changed GEBS Tank <input checked="" type="checkbox"/> Level 2 Cal Check <input type="checkbox"/> Replaced Regulator <input type="checkbox"/> Replaced Breath Hose <input type="checkbox"/> Replace/Fix Silver Nut <input type="checkbox"/> Yearly QA/Due: <input type="checkbox"/> Replaced Power Cord <input type="checkbox"/> Replaced RT Battery <input type="checkbox"/> _____ Software update: _____ Other (comments) <u>GEBS fail due to empty tank. I replaced tank.</u> Location Change: _____
6/24/13	JGF	Changed GEBS Tank <input type="checkbox"/> Level 2 Cal Check <input checked="" type="checkbox"/> Replaced Regulator <input checked="" type="checkbox"/> Replaced Breath Hose <input type="checkbox"/> Replace/Fix Silver Nut <input type="checkbox"/> Yearly QA/Due: <input type="checkbox"/> Replaced Power Cord <input type="checkbox"/> Replaced RT Battery <input type="checkbox"/> _____ Software update: _____ Other (comments) <u>GEBS fail over weekend - Regulator Replaced</u> Location Change: _____
9-23-13	VEM	Changed GEBS Tank <input type="checkbox"/> Level 2 Cal Check <input checked="" type="checkbox"/> Replaced Regulator <input type="checkbox"/> Replaced Breath Hose <input type="checkbox"/> Replace/Fix Silver Nut <input type="checkbox"/> Yearly QA/Due: <input type="checkbox"/> Replaced Power Cord <input type="checkbox"/> Replaced RT Battery <input type="checkbox"/> _____ Software update: _____ Other (comments) <u>DPS fail</u> Location Change: <u>Removed from Room 138</u>
10/8/15	JS	Changed GEBS Tank <input type="checkbox"/> Level 2 Cal Check <input type="checkbox"/> Replaced Regulator <input type="checkbox"/> Replaced Breath Hose <input type="checkbox"/> Replace/Fix Silver Nut <input type="checkbox"/> Yearly QA/Due: <input type="checkbox"/> Replaced Power Cord <input type="checkbox"/> Replaced RT Battery <input type="checkbox"/> <u>CMI</u> <input checked="" type="checkbox"/> Software update: _____ Other (comments) <u>sent to CMI for DSP fail</u> Location Change: <u>Return to Lab 11/19/15</u>
4/8/16	GF	Changed GEBS Tank <input type="checkbox"/> Level 2 Cal Check <input type="checkbox"/> Replaced Regulator <input type="checkbox"/> Replaced Breath Hose <input type="checkbox"/> Replace/Fix Silver Nut <input type="checkbox"/> Yearly QA/Due: <u>4/8/17</u> <input checked="" type="checkbox"/> Replaced Power Cord <input type="checkbox"/> Replaced RT Battery <input type="checkbox"/> _____ Software update: _____ Other (comments) _____ Location Change: _____

Yearly Quality Assurance Certificate

On 4/7/17 and 4/11/17, Criminalist Grace Farinas performed analysis to determine the calibration status and operation of the above instrument using NIST traceable dry gas ethanol standards of known ethanol concentration. The uncertainty of measurement was determined from these results.

Operational Features:

Time and Date Correct ☒
 Diagnostics Testing Pass All Parameters ☒
 Invalid Sample Check ☒
 Deficient Sample Check ☒
 Improper Sample Check ☒
 Breath Test Refusal Feature ☒

GEBS used: Certified Value: (0.080g/210L): Lot#: 03417080A2Expiration: 3/5/19

Aborting Test using Start Button ☒
 Successful Alcohol Free Breath Test ☒
 Successful Alcohol Breath Test ☒
 RFI Detection ☒
 Interferent (Acetone) Detection ☒
 Ambient Detection ☒
 CalCheck Failed (GEBS value wrong) ☒
 Magnetic Strip Reader Operational ☒
 Direct Connect to COBRA ☒
 Instrument Cleaned ☒

Pressure Reading: Instrument P: 1001 psi Regulator: ~1000 psiTemperature Check: Breath Hose: 45.0°C Breath Cell: 47.0°C

Certified Value: (0.040g/210L):

Lot#: 12716040A8Expiration: 6/5/18

Replicate	Result (g/210L)
1	0.040
2	0.040
3	0.041
4	0.041
5	0.040
6	0.041
7	0.041
8	0.041
9	0.041
10	0.041

Mean Value: 0.040 (g/210L)

Average Difference from known: 0.000

Standard Deviation: 0.0004

Certified Value: (0.100g/210L):

Lot#: 28515100A1Expiration: 11/5/17

Replicate	Result (g/210L)
1	0.097
2	0.097
3	0.097
4	0.097
5	0.097
6	0.097
7	0.097
8	0.098
9	0.098
10	0.098

Mean Value: 0.097 (g/210L)

Average Difference from known: 0.003

Standard Deviation: 0.0004

Certified Value: (0.200g/210L):

Lot#: 26615200A1Expiration: 10/5/17

Replicate	Result (g/210L)
1	0.195
2	0.195
3	0.195
4	0.194
5	0.195
6	0.195
7	0.195
8	0.195
9	0.195
10	0.195

Mean Value: 0.194 (g/210L)

Average Difference from known: 0.006

Standard Deviation: 0.0003

GEBS Verification: (0.080g/210L):

Lot#: 03417080A2Expiration: 3/5/19

20 Replicates (g/210L)			
1	0.080	11	0.079
2	0.080	12	0.080
3	0.079	13	0.080
4	0.080	14	0.080
5	0.080	15	0.080
6	0.080	16	0.080
7	0.079	17	0.080
8	0.080	18	0.080
9	0.080	19	0.080
10	0.080	20	0.080

Mean Value: 0.079 (g/210L)

Average Difference from known: 0.001

Standard Deviation: 0.0003

The Uncertainty of Measurement is +/- 0.006 g/210L at a confidence interval of approximately 95% for breath results below 0.100 g/210L and +/-7% at a confidence interval of approximately 95% for breath results between 0.100-0.400 g/210L. The uncertainty shall be applied to the average of the two breath samples that agree within ± 0.02 g/210 L.

Levels that are greater than 0.400 g/210 L will not have an established uncertainty and should be considered to have a value greater than 0.400 g/210 L.

This instrument is capable of measuring a known GEBS value at +/- 0.010 grams % of the true value for values ranging from 0.08 to 0.30 grams % as per Title 17.

This report certifies this instrument for field use.

Technical Review: VM8256 Date: 7-20-17

Certificate Issue Date: 7/20/2017

Administrative Review: am

Certified by Criminalist: Grace Farinas

Date: 7/26/17
 #8445

Yearly Quality Assurance Certificate

Intoxilyzer 8000 Instrument Serial#: 80-000727

On 4/8/2016, Criminalist Farinas performed analysis to determine the calibration status and operation of Intoxilyzer 8000, serial # 80-000727 using NIST traceable dry gas ethanol standards of known ethanol concentration. The uncertainty of measurement for this instrument was determined from these results. The results from this analysis are as follows:

Operational Features:

Time and Date Correct	<input checked="" type="checkbox"/>	Successful Alcohol Breath Test	<input checked="" type="checkbox"/>
Diagnostics Testing Pass All Parameters	<input checked="" type="checkbox"/>	RFI Detection	<input checked="" type="checkbox"/>
Invalid Sample Check	<input checked="" type="checkbox"/>	Interferent (Acetone) Detection	<input checked="" type="checkbox"/>
Deficient Sample Check	<input checked="" type="checkbox"/>	Ambient Detection	<input checked="" type="checkbox"/>
Improper Sample Check	<input checked="" type="checkbox"/>	CalCheck Failed (GEBS value wrong)	<input checked="" type="checkbox"/>
Breath Test Refusal Feature	<input checked="" type="checkbox"/>	Magnetic Strip Reader Operational	<input checked="" type="checkbox"/>
Aborting Test using Start Button	<input checked="" type="checkbox"/>	Direct Connect to COBRA	<input checked="" type="checkbox"/>
Successful Alcohol Free Breath Test	<input checked="" type="checkbox"/>	Instrument Cleaned	<input checked="" type="checkbox"/>
Pressure Reading: Instrument P: 649 psi	Regulator: 650 psi	Temperature Check: Breath Hose: 44.9°C	Breath Cell: 47.0°C

Dry Gas Standard Analysis

Certified Value: (g/210L): 0.040
Lot#: 07515040A5
Expiration: 4/5/2017

Replicate	Result (g/210L)
1	0.040
2	0.040
3	0.040
4	0.041
5	0.040
6	0.040
7	0.040
8	0.040
9	0.040
10	0.040

Mean Value: 0.0401(g/210L)
Standard Deviation: 0.0003

Certified Value: (g/210L): 0.080
Lot#: 12415080A5
Expiration: 6/5/2017

Replicate	Result (g/210L)
1	0.079
2	0.079
3	0.079
4	0.079
5	0.079
6	0.079
7	0.079
8	0.080
9	0.079
10	0.079

Mean Value: 0.0791 (g/210L)
Standard Deviation: 0.0003

Certified Value: (g/210L): 0.200
Lot#: 26615200A1
Expiration: 10/5/2017

Replicate	Result (g/210L)
1	0.196
2	0.197
3	0.197
4	0.197
5	0.197
6	0.196
7	0.197
8	0.197
9	0.197
10	0.197

Mean Value: 0.1968 (g/210L)
Standard Deviation: 0.0004

GEBS Verification: (g/210L): 0.100
Lot#: 32114100A1
Expiration: 12/5/2016

20 Replicates (g/210L)			
1	0.099	11	0.100
2	0.099	12	0.099
3	0.099	13	0.098
4	0.099	14	0.099
5	0.099	15	0.099
6	0.098	16	0.098
7	0.099	17	0.099
8	0.098	18	0.099
9	0.099	19	0.098
10	0.099	20	0.100

Mean Value: 0.0988 (g/210L)
Standard Deviation: 0.0005

This report certifies this instrument for field use. Certificate Issue Date: 4/8/2016

Technical Review: dm Date: 4/11/16 Administrative Review: gm Date: 4-14-16

Certified by Criminalist: Grace Farinas #8445

The Uncertainty of Measurement is ± 0.006 at a 99% confidence interval

Quality Assurance and Calibration Report

Intoxilyzer 8000 Instrument Serial #: **80-000727**

On **5/31/2013 & 6/3/2013**, Criminalist Julie Flanagan performed analysis to determine the calibration status and operation of the Intoxilyzer 8000, serial #80-000727 using NIST traceable dry gas ethanol standards of known ethanol concentration. The results from this analysis are as follows:

Operational Features:

Time and Date Correct	<input checked="" type="checkbox"/>	Diagnostics Testing Parameters all Pass	<input checked="" type="checkbox"/>
Invalid Sample Check stops testing	<input checked="" type="checkbox"/>	Deficient Sample Check stops testing	<input checked="" type="checkbox"/>
Improper Sample Check stops testing	<input checked="" type="checkbox"/>	Breath Test Refusal stops testing showing refusal	<input checked="" type="checkbox"/>
Aborting a Testing Sequence at any time	<input checked="" type="checkbox"/>	Successfully completed alcohol free breath test	<input checked="" type="checkbox"/>
Successfully completed alcohol breath test	<input checked="" type="checkbox"/>	RFI Detection stops testing	<input checked="" type="checkbox"/>
Ambient Detection Failure stops testing	<input checked="" type="checkbox"/>	Interferent (Acetone) Detection stops testing	<input checked="" type="checkbox"/>
GEBS Check Accuracy Failure stops testing	<input checked="" type="checkbox"/>	Magnetic Strip Driver's License Reader Operational	<input checked="" type="checkbox"/>
Direct Connect Upload to COBRA Database	<input checked="" type="checkbox"/>	Instrument cleaned	<input checked="" type="checkbox"/>
Pressure Readings: Instrument P: 312 psi Regulator: 300 psi		Instrument Temperatures: Breath Hose 45.0 °C Breath Cell: 47.0 °C	

Dry Gas 1 ☒

Certified Value (g/210L): 0.045

Lot#: **23011045A2** Exp: 10/1/13

Replicate	Observed (g/210L)
1	0.046
2	0.046
3	0.045
4	0.046
5	0.045
6	0.045
7	0.045
8	0.045
9	0.045
10	0.046

Mean Value: **0.0454** (g/210L)Standard Deviation: **0.0005**

Dry Gas 2 ☒

Certified Value (g/210L): 0.080

Lot#: **22711080A1** Exp: 9/1/13

Replicate	Observed (g/210L)
1	0.081
2	0.081
3	0.081
4	0.080
5	0.081
6	0.080
7	0.080
8	0.081
9	0.081
10	0.081

Mean Value: **0.0807** (g/210L)Standard Deviation: **0.0004**

Dry Gas 3 ☒

Certified Value (g/210L): 0.200

Lot#: **30011200A1** Exp: 12/1/13

Replicate	Observed (g/210L)
1	0.200
2	0.199
3	0.199
4	0.200
5	0.200
6	0.199
7	0.199
8	0.200
9	0.200
10	0.199

Mean Value: **0.1995** (g/210L)Standard Deviation: **0.0005**

GEBS Verification

Certified Value (g/210L): 0.100

Lot#: **31211100A1** Exp: 1/1/2014

Replicate	Observed (g/210L)
1	0.099
2	0.100
3	0.100

Notes:

This certificate certifies this instrument for field use. Certificate Issue Date: **06/03/2013** Certified By Criminalist: Julie D. Flanagan **8532**

Technical Review: jm Date: 6/3/13

Administrative Review: jm Date: 6-4-13

Certificate of Calibration

This is to certify the calibration of **Intoxilyzer**® serial number 80-000727, manufactured by CMI Inc., a subsidiary of MPD, Inc. of Owensboro, Kentucky, was tested and found to conform to the National Highway Traffic Safety Administration (NHTSA) Standard for Devices to Measure Breath Alcohol (Federal Register, Vol.58, No.179, pp 48705-48710, Sept. 17, 1993) for accuracy and precision. Reference materials are traceable through the National Institute of Standards and Technology (NIST) to the International System of Units (SI).

Date

November 9, 2015

Signed

[Signature]

Technician



316 East 9th Street
Owensboro, KY 42303
USA

Part No. 650517 Rev.A

SDPD CRIME LABORATORY
FORENSIC CHEMISTRY UNIT

^{7/26-8-17}
Infoxilyzer 8000 Maintenance Log

Intoxilyzer Serial Number: 80- 000728

Software Version:

DATE	INITIALS	MAINTENANCE / COMMENTS	
4/6/17	vm	Replaced Breath Hose <input type="radio"/> ETOH Free Breath Test <input type="radio"/> Software Update: _____ Next QA Due: _____ Other (comments) _____ Current Location: <u>Lab</u>	Yearly QA Complete <input type="radio"/>
4/11/17	JM	Replaced Breath Hose <input type="radio"/> ETOH Free Breath Test <input type="radio"/> Software Update: _____ Next QA Due: _____ Other (comments) <u>test message on 3/18/17 "Diag not started, Voltage / Current test" officer Perdue ran diagnostic test and passed, next test diagnostics also passed.</u> Current Location: _____	Yearly QA Complete <input type="radio"/>
6-21-17	JM	Replaced Breath Hose <input type="radio"/> ETOH Free Breath Test <input type="radio"/> Software Update: _____ Next QA Due: <u>6-12-18</u> Other (comments) <u>note: 3rd digit is turned on, software version 8122-15</u> Current Location: _____	Yearly QA Complete <input checked="" type="radio"/> <u>6-13-17</u>
6-21-17	JM	Replaced Breath Hose <input type="radio"/> ETOH Free Breath Test <input type="radio"/> Software Update: _____ Next QA Due: _____ Other (comments) _____ Current Location: <u>Car #0748</u>	Yearly QA Complete <input type="radio"/>
6-26-17	GF	Replaced Breath Hose <input type="radio"/> ETOH Free Breath Test <input type="radio"/> Software Update: _____ Next QA Due: <u>6-12-18</u> Other (comments) _____ Current Location: _____	Yearly QA Complete <input checked="" type="radio"/> <u>6-13-17</u>
		Replaced Breath Hose <input type="radio"/> ETOH Free Breath Test <input type="radio"/> Software Update: _____ Next QA Due: _____ Other (comments) _____ Current Location: _____	Replaced RT Battery <input type="radio"/> Yearly QA Complete <input type="radio"/>

SDPD CRIME LABORATORY
FORENSIC CHEMISTRY UNIT

Intoxilyzer 8000 Maintenance Log

Intoxilyzer Serial Number: 80-006728 Year: 2016 Location: car 7048

DATE	INITIALS	MAINTENANCE/COMMENTS
11-7-16	JM	Changed GEBS Tank <input type="checkbox"/> Level 2 Cal Check <input type="checkbox"/> Replaced Regulator <input type="checkbox"/> Replaced Breath Hose <input type="checkbox"/> Replace/Fix Silver Nut <input type="checkbox"/> Yearly QA/Due: <input type="checkbox"/> Replaced Power Cord <input type="checkbox"/> Replaced RT Battery <input type="checkbox"/> _____ Software update: _____ Other (comments) <u>Diagnostic Failed "Analytical Stability test" on 10/11/16 → next test on 10/12/16 → Diagnostic all passed</u> Location Change: _____
<div style="transform: rotate(-45deg); font-size: 2em; opacity: 0.5;">X</div>		Changed GEBS Tank <input type="checkbox"/> Level 2 Cal Check <input type="checkbox"/> Replaced Regulator <input type="checkbox"/> Replaced Breath Hose <input type="checkbox"/> Replace/Fix Silver Nut <input type="checkbox"/> Yearly QA/Due: <input type="checkbox"/> Replaced Power Cord <input type="checkbox"/> Replaced RT Battery <input type="checkbox"/> _____ Software update: _____ Other (comments) _____ Location Change: _____
<div style="transform: rotate(-45deg); font-size: 2em; opacity: 0.5;">X</div>		Changed GEBS Tank <input type="checkbox"/> Level 2 Cal Check <input type="checkbox"/> Replaced Regulator <input type="checkbox"/> Replaced Breath Hose <input type="checkbox"/> Replace/Fix Silver Nut <input type="checkbox"/> Yearly QA/Due: <input type="checkbox"/> Replaced Power Cord <input type="checkbox"/> Replaced RT Battery <input type="checkbox"/> _____ Software update: _____ Other (comments) _____ Location Change: _____
<div style="transform: rotate(-45deg); font-size: 2em; opacity: 0.5;">X</div>		Changed GEBS Tank <input type="checkbox"/> Level 2 Cal Check <input type="checkbox"/> Replaced Regulator <input type="checkbox"/> Replaced Breath Hose <input type="checkbox"/> Replace/Fix Silver Nut <input type="checkbox"/> Yearly QA/Due: <input type="checkbox"/> Replaced Power Cord <input type="checkbox"/> Replaced RT Battery <input type="checkbox"/> _____ Software update: _____ Other (comments) _____ Location Change: _____
<div style="transform: rotate(-45deg); font-size: 2em; opacity: 0.5;">X</div>		Changed GEBS Tank <input type="checkbox"/> Level 2 Cal Check <input type="checkbox"/> Replaced Regulator <input type="checkbox"/> Replaced Breath Hose <input type="checkbox"/> Replace/Fix Silver Nut <input type="checkbox"/> Yearly QA/Due: <input type="checkbox"/> Replaced Power Cord <input type="checkbox"/> Replaced RT Battery <input type="checkbox"/> _____ Software update: _____ Other (comments) _____ Location Change: _____
<div style="transform: rotate(-45deg); font-size: 2em; opacity: 0.5;">X</div>		Changed GEBS Tank <input type="checkbox"/> Level 2 Cal Check <input type="checkbox"/> Replaced Regulator <input type="checkbox"/> Replaced Breath Hose <input type="checkbox"/> Replace/Fix Silver Nut <input type="checkbox"/> Yearly QA/Due: <input type="checkbox"/> Replaced Power Cord <input type="checkbox"/> Replaced RT Battery <input type="checkbox"/> _____ Software update: _____ Other (comments) _____ Location Change: _____

SDPD CRIME LABORATORY
FORENSIC CHEMISTRY UNIT

Intoxilyzer 8000 Maintenance Log

Intoxilyzer Serial Number: 80-000728 Year: 2014 Location: Lab

DATE	INITIALS	MAINTENANCE/COMMENTS
10-3-14	JM	Changed GEBS Tank <input type="checkbox"/> Level 2 Cal Check <input type="checkbox"/> Replaced Regulator <input type="checkbox"/> Replaced Breath Hose <input type="checkbox"/> Replace/Fix Silver Nut <input type="checkbox"/> Yearly QA/Due: <u>10-2-15</u> <input checked="" type="checkbox"/> Replaced Power Cord <input type="checkbox"/> Replaced RT Battery <input type="checkbox"/> Software update: _____ Other (comments) _____ Location Change: _____
5-5-15	JM	Changed GEBS Tank <input type="checkbox"/> Level 2 Cal Check <input type="checkbox"/> Replaced Regulator <input type="checkbox"/> Replaced Breath Hose <input type="checkbox"/> Replace/Fix Silver Nut <input type="checkbox"/> Yearly QA/Due: _____ Replaced Power Cord <input type="checkbox"/> Replaced RT Battery <input type="checkbox"/> Software update: _____ Other (comments) <u>ETOH free test - PASS</u> <u>um 8-6-15</u> Location Change: <u>moved to car # 7048 7031</u>
9/30/15	JM	Changed GEBS Tank <input type="checkbox"/> Level 2 Cal Check <input type="checkbox"/> Replaced Regulator <input type="checkbox"/> Replaced Breath Hose <input type="checkbox"/> Replace/Fix Silver Nut <input type="checkbox"/> Yearly QA/Due: _____ Replaced Power Cord <input type="checkbox"/> Replaced RT Battery <input type="checkbox"/> Software update: _____ Other (comments) <u>Time for QA</u> Location Change: <u>LAB</u>
10-8-15	JS	Changed GEBS Tank <input type="checkbox"/> Level 2 Cal Check <input type="checkbox"/> Replaced Regulator <input type="checkbox"/> Replaced Breath Hose <input type="checkbox"/> Replace/Fix Silver Nut <input type="checkbox"/> Yearly QA/Due: _____ Replaced Power Cord <input type="checkbox"/> Replaced RT Battery <input type="checkbox"/> <u>CMT</u> <input checked="" type="checkbox"/> Software update: _____ Other (comments) <u>Sent to CMT for calibration</u> Location Change: <u>Return to Lab 11/16/15</u>
4/8/16	GF	Changed GEBS Tank <input type="checkbox"/> Level 2 Cal Check <input type="checkbox"/> Replaced Regulator <input type="checkbox"/> Replaced Breath Hose <input type="checkbox"/> Replace/Fix Silver Nut <input type="checkbox"/> Yearly QA/Due: <u>4/8/17</u> <input checked="" type="checkbox"/> Replaced Power Cord <input type="checkbox"/> Replaced RT Battery <input type="checkbox"/> Software update: _____ Other (comments) _____ Location Change: _____
4/14/16	GF	Changed GEBS Tank <input type="checkbox"/> Level 2 Cal Check <input type="checkbox"/> Replaced Regulator <input type="checkbox"/> Replaced Breath Hose <input type="checkbox"/> Replace/Fix Silver Nut <input type="checkbox"/> Yearly QA/Due: _____ Replaced Power Cord <input type="checkbox"/> Replaced RT Battery <input type="checkbox"/> Software update: <u>free</u> Other (comments) <u>ETOH Breath test - PASS</u> Location Change: <u>installed in vehicle # 7048</u>

Yearly Quality Assurance Certificate

On 4/7/17 and 4/11/17, Criminalist Farinas performed analysis to determine the calibration status and operation of the above instrument using NIST traceable dry gas ethanol standards of known ethanol concentration. The uncertainty of measurement was determined from these results.

Operational Features:

Time and Date Correct ☒
 Diagnostics Testing Pass All Parameters ☒
 Invalid Sample Check ☒
 Deficient Sample Check ☒
 Improper Sample Check ☒
 Breath Test Refusal Feature ☒

GEBS used: Certified Value: (0.080g/210L):- Lot#: 03417080A2

Expiration: 3/5/19

Aborting Test using Start Button ☒
 Successful Alcohol Free Breath Test ☒
 Successful Alcohol Breath Test ☒
 RFI Detection ☒
 Interferent (Acetone) Detection ☒
 Ambient Detection ☒

CalCheck Failed (GEBS value wrong) ☒
 Magnetic Strip Reader Operational ☒
 Direct Connect to COBRA ☒
 Instrument Cleaned ☒

Pressure Reading: Instrument P: 999 psi

Regulator: ~1000 psi

Temperature Check: Breath Hose: 45.0 °C Breath Cell: 47.0 °C

Certified Value: (0.040g/210L):

Lot#: 12716040A8

Expiration: 6/5/18

Replicate	Result (g/210L)
1	0.042
2	0.041
3	0.041
4	0.042
5	0.041
6	0.042
7	0.042
8	0.041
9	0.041
10	0.042

Mean Value: 0.041 (g/210L)

Average Difference from known: 0.001

Standard Deviation: 0.0005

Certified Value: (0.100g/210L):

Lot#: 28515100A1

Expiration: 11/5/17

Replicate	Result (g/210L)
1	0.100
2	0.100
3	0.100
4	0.099
5	0.100
6	0.099
7	0.100
8	0.099
9	0.100
10	0.100

Mean Value: 0.099 (g/210L)

Average Difference from known: 0.001

Standard Deviation: 0.0004

Certified Value: (0.200g/210L):

Lot#: 26615200A1

Expiration: 10/5/17

Replicate	Result (g/210L)
1	0.199
2	0.198
3	0.196
4	0.197
5	0.198
6	0.198
7	0.198
8	0.198
9	0.198
10	0.198

Mean Value: 0.197 (g/210L)

Average Difference from known: 0.003

Standard Deviation: 0.0007

GEBS Verification: (0.080g/210L):

Lot#: 03417080A2

Expiration: 3/5/19

20 Replicates (g/210L)			
1	0.082	11	0.082
2	0.082	12	0.081
3	0.081	13	0.081
4	0.080	14	0.081
5	0.081	15	0.082
6	0.081	16	0.081
7	0.082	17	0.080
8	0.082	18	0.082
9	0.081	19	0.081
10	0.082	20	0.081

Mean Value: 0.081 (g/210L)

Average Difference from known: 0.001

Standard Deviation: 0.0006

The Uncertainty of Measurement is +/- 0.006 g/210L at a confidence interval of approximately 95% for breath results below 0.100 g/210L and +/-7% at a confidence interval of approximately 95% for breath results between 0.100-0.400 g/210L. The uncertainty shall be applied to the average of the two breath samples that agree within ± 0.02 g/210 L.

Levels that are greater than 0.400 g/210 L will not have an established uncertainty and should be considered to have a value greater than 0.400 g/210 L.

This instrument is capable of measuring a known GEBS value at +/- 0.010 grams % of the true value for values ranging from 0.08 to 0.30 grams % as per Title 17.

This report certifies this instrument for field use.

Technical Review: vm Date: 6-20-17Certificate Issue Date: 6/13/17Administrative Review: SM Date: 6/20/17

Certified by Criminalist:

Yearly Quality Assurance Certificate

Intoxilyzer 8000 Instrument Serial#: 80-000728

On 4/7/16 and 4/8/16, Criminalist Farinas performed analysis to determine the calibration status and operation of Intoxilyzer 8000, serial # 80-000728 using NIST traceable dry gas ethanol standards of known ethanol concentration. The uncertainty of measurement for this instrument was determined from these results. The results from this analysis are as follows:

Operational Features:

Time and Date Correct	<input checked="" type="checkbox"/>	Successful Alcohol Breath Test	<input checked="" type="checkbox"/>
Diagnostics Testing Pass All Parameters	<input checked="" type="checkbox"/>	RFI Detection	<input checked="" type="checkbox"/>
Invalid Sample Check	<input checked="" type="checkbox"/>	Interferent (Acetone) Detection	<input checked="" type="checkbox"/>
Deficient Sample Check	<input checked="" type="checkbox"/>	Ambient Detection	<input checked="" type="checkbox"/>
Improper Sample Check	<input checked="" type="checkbox"/>	CalCheck Failed (GEBS value wrong)	<input checked="" type="checkbox"/>
Breath Test Refusal Feature	<input checked="" type="checkbox"/>	Magnetic Strip Reader Operational	<input checked="" type="checkbox"/>
Aborting Test using Start Button	<input checked="" type="checkbox"/>	Direct Connect to COBRA	<input checked="" type="checkbox"/>
Successful Alcohol Free Breath Test	<input checked="" type="checkbox"/>	Instrument Cleaned	<input checked="" type="checkbox"/>
Pressure Reading: Instrument P: 221 psi	Regulator: 200 psi	Temperature Check: Breath Hose: 45.0°C	Breath Cell: 47.0°C

Dry Gas Standard Analysis

Certified Value: (g/210L): 0.040
Lot#: 07515040A5
Expiration: 4/5/2017

Replicate	Result (g/210L)
1	0.042
2	0.042
3	0.042
4	0.042
5	0.041
6	0.042
7	0.042
8	0.041
9	0.043
10	0.042

Mean Value: 0.0419 (g/210L)
Standard Deviation: 0.0005

Certified Value: (g/210L): 0.080
Lot#: 12415080A5
Expiration: 6/5/2017

Replicate	Result (g/210L)
1	0.081
2	0.081
3	0.081
4	0.081
5	0.081
6	0.081
7	0.081
8	0.081
9	0.081
10	0.081

Mean Value: 0.0810 (g/210L)
Standard Deviation: 0.0000

Certified Value: (g/210L): 0.200
Lot#: 26615200A1
Expiration: 10/5/2017

Replicate	Result (g/210L)
1	0.199
2	0.199
3	0.199
4	0.199
5	0.199
6	0.198
7	0.199
8	0.199
9	0.199
10	0.198

Mean Value: 0.1988 (g/210L)
Standard Deviation: 0.0004

GEBS Verification: (g/210L): 0.100
Lot#: 36314100A4
Expiration: 2/5/2017

20 Replicates (g/210L)			
1	0.101	11	0.101
2	0.101	12	0.102
3	0.101	13	0.102
4	0.102	14	0.102
5	0.102	15	0.101
6	0.101	16	0.101
7	0.101	17	0.101
8	0.102	18	0.101
9	0.101	19	0.102
10	0.102	20	0.101

Mean Value: 0.1014 (g/210L)
Standard Deviation: 0.0005

This report certifies this instrument for field use. Certificate Issue Date: 4/8/2016

Technical Review: dm Date: 4/11/16 Administrative Review: jm Date: 4/14/16 The Uncertainty of Measurement is ± 0.006 at a 99% confidence interval

Certified by Criminalist: Grace Farinas #8445

Certificate of Calibration

*This is to certify the calibration of **Intoxilyzer**® serial number 80,000,728, manufactured by CMI Inc., a subsidiary of MPD, Inc. of Owensboro, Kentucky, was tested and found to conform to the National Highway Traffic Safety Administration (NHTSA) Standard for Devices to Measure Breath Alcohol (Federal Register, Vol.58 No.179, pp 48705-48710, Sept. 17, 1993) for accuracy and precision. Reference materials are traceable through the National Institute of Standards and Technology (NIST) to the International System of Units (SI).*

Date November 6, 2015 Signed [Signature]
Technician



316 East 9th Street
Owensboro, KY 42303
USA

SDPD CRIME LABORATORY
FORENSIC CHEMISTRY UNIT

Intoxilyzer 8000 Maintenance Log

Intoxilyzer Serial Number: 80- 006056

Software Version:

DATE	INITIALS	MAINTENANCE / COMMENTS
6/11/17	JM	Replaced Breath Hose <input type="radio"/> Yearly QA Complete <input checked="" type="radio"/> 6-14-17
		ETOH Free Breath Test <input type="radio"/>
		Software Update: _____ Next QA Due: 6-13-18
		Other (comments) _____
		Note: Software version 8122-15
6/21/17	JP	Current Location: _____
		Replaced Breath Hose <input type="radio"/> Yearly QA Complete <input type="radio"/>
		ETOH Free Breath Test <input type="radio"/>
		Software Update: _____ Next QA Due: _____
		Other (comments) _____
		Current Location: RM 138
		Replaced Breath Hose <input type="radio"/> Yearly QA Complete <input type="radio"/>
		ETOH Free Breath Test <input type="radio"/>
		Software Update: _____ Next QA Due: _____
		Other (comments) _____
		Current Location: _____
		Replaced Breath Hose <input type="radio"/> Yearly QA Complete <input type="radio"/>
		ETOH Free Breath Test <input type="radio"/>
		Software Update: _____ Next QA Due: _____
		Other (comments) _____
		Current Location: _____
		Replaced Breath Hose <input type="radio"/> Yearly QA Complete <input type="radio"/>
		ETOH Free Breath Test <input type="radio"/>
		Software Update: _____ Next QA Due: _____
		Other (comments) _____
		Current Location: _____
		Replaced Breath Hose <input type="radio"/> Replaced RT Battery <input type="radio"/>
		ETOH Free Breath Test <input type="radio"/> Yearly QA Complete <input type="radio"/>
		Software Update: _____ Next QA Due: _____
		Other (comments) _____
		Current Location: _____

SDPD CRIME LABORATORY
FORENSIC CHEMISTRY UNIT

Intoxilyzer 8000 Maintenance Log

Intoxilyzer Serial Number: 80- 006056 Year: 2016 Location: LAB

DATE	INITIALS	MAINTENANCE/COMMENTS
8-8-16	JM	Changed GEBS Tank <input type="checkbox"/> Level 2 Cal Check <input type="checkbox"/> Replaced Regulator <input type="checkbox"/> Replaced Breath Hose <input type="checkbox"/> Replace/Fix Silver Nut <input type="checkbox"/> Yearly QA/Due: <input type="checkbox"/> Replaced Power Cord <input type="checkbox"/> Replaced RT Battery <input type="checkbox"/> Software update: _____ Other (comments) <u>After tank change GEBS is reading closer to known value. checked 5 times. will still monitor</u> Location Change: _____
8-11-16	JM	Changed GEBS Tank <input type="checkbox"/> Level 2 Cal Check <input type="checkbox"/> Replaced Regulator <input type="checkbox"/> Replaced Breath Hose <input type="checkbox"/> Replace/Fix Silver Nut <input type="checkbox"/> Yearly QA/Due: <input type="checkbox"/> Replaced Power Cord <input type="checkbox"/> Replaced RT Battery <input type="checkbox"/> Software update: _____ Other (comments) <u>GEBS is still reading closer to known value. Disposed of old tank from 8-3-16. Intox ok for use</u> Location Change: _____
<div style="position: relative; width: 100%; height: 100%;"> </div>		
		Changed GEBS Tank <input type="checkbox"/> Level 2 Cal Check <input type="checkbox"/> Replaced Regulator <input type="checkbox"/> Replaced Breath Hose <input type="checkbox"/> Replace/Fix Silver Nut <input type="checkbox"/> Yearly QA/Due: <input type="checkbox"/> Replaced Power Cord <input type="checkbox"/> Replaced RT Battery <input type="checkbox"/> Software update: _____ Other (comments) _____ Location Change: _____
		Changed GEBS Tank <input type="checkbox"/> Level 2 Cal Check <input type="checkbox"/> Replaced Regulator <input type="checkbox"/> Replaced Breath Hose <input type="checkbox"/> Replace/Fix Silver Nut <input type="checkbox"/> Yearly QA/Due: <input type="checkbox"/> Replaced Power Cord <input type="checkbox"/> Replaced RT Battery <input type="checkbox"/> Software update: _____ Other (comments) _____ Location Change: _____
		Changed GEBS Tank <input type="checkbox"/> Level 2 Cal Check <input type="checkbox"/> Replaced Regulator <input type="checkbox"/> Replaced Breath Hose <input type="checkbox"/> Replace/Fix Silver Nut <input type="checkbox"/> Yearly QA/Due: <input type="checkbox"/> Replaced Power Cord <input type="checkbox"/> Replaced RT Battery <input type="checkbox"/> Software update: _____ Other (comments) _____ Location Change: _____
		Changed GEBS Tank <input type="checkbox"/> Level 2 Cal Check <input type="checkbox"/> Replaced Regulator <input type="checkbox"/> Replaced Breath Hose <input type="checkbox"/> Replace/Fix Silver Nut <input type="checkbox"/> Yearly QA/Due: <input type="checkbox"/> Replaced Power Cord <input type="checkbox"/> Replaced RT Battery <input type="checkbox"/> Software update: _____ Other (comments) _____ Location Change: _____

SDPD CRIME LABORATORY
FORENSIC CHEMISTRY UNIT

Intoxilyzer 8000 Maintenance Log

Intoxilyzer Serial Number: 80- 006056 Year: 2016 Location: LAB

DATE	INITIALS	MAINTENANCE/COMMENTS
4/11/16	GF	Changed GEBS Tank <input type="checkbox"/> Level 2 Cal Check <input type="checkbox"/> Replaced Regulator <input type="checkbox"/> Replaced Breath Hose <input type="checkbox"/> Replace/Fix Silver Nut <input type="checkbox"/> Yearly QA/Due: <input type="checkbox"/> Replaced Power Cord <input type="checkbox"/> Replaced RT Battery <input type="checkbox"/> _____ Software update: <u>8122-15</u> Other (comments) _____ Location Change: _____
4/21/16	JS	Changed GEBS Tank <input type="checkbox"/> Level 2 Cal Check <input type="checkbox"/> Replaced Regulator <input type="checkbox"/> Replaced Breath Hose <input type="checkbox"/> Replace/Fix Silver Nut <input type="checkbox"/> Yearly QA/Due: <input type="checkbox"/> Replaced Power Cord <input type="checkbox"/> Replaced RT Battery <input type="checkbox"/> _____ Software update: _____ Other (comments) _____ Location Change: <u>Sent to CMI - won't hold correct time</u>
6/21/16	JS	Changed GEBS Tank <input type="checkbox"/> Level 2 Cal Check <input type="checkbox"/> Replaced Regulator <input type="checkbox"/> Replaced Breath Hose <input type="checkbox"/> Replace/Fix Silver Nut <input type="checkbox"/> Yearly QA/Due: <input type="checkbox"/> Replaced Power Cord <input type="checkbox"/> Replaced RT Battery <input type="checkbox"/> _____ Software update: _____ Other (comments) _____ Location Change: <u>Returned from CMI</u>
7-13-16	JM	Changed GEBS Tank <input type="checkbox"/> Level 2 Cal Check <input type="checkbox"/> Replaced Regulator <input checked="" type="checkbox"/> Replaced Breath Hose <input type="checkbox"/> Replace/Fix Silver Nut <input type="checkbox"/> Yearly QA/Due: <u>7-12-16</u> <input checked="" type="checkbox"/> Replaced Power Cord <input type="checkbox"/> Replaced RT Battery <input type="checkbox"/> _____ Software update: _____ Other (comments) _____ Location Change: _____
7/18/16	JS	Changed GEBS Tank <input type="checkbox"/> Level 2 Cal Check <input type="checkbox"/> Replaced Regulator <input type="checkbox"/> Replaced Breath Hose <input type="checkbox"/> Replace/Fix Silver Nut <input type="checkbox"/> Yearly QA/Due: <input type="checkbox"/> Replaced Power Cord <input type="checkbox"/> Replaced RT Battery <input type="checkbox"/> _____ Software update: _____ Other (comments) _____ Location Change: <u>Room 138</u>
8/3/16	JM	Changed GEBS Tank <input type="checkbox"/> Level 2 Cal Check <input type="checkbox"/> Replaced Regulator <input type="checkbox"/> Replaced Breath Hose <input type="checkbox"/> Replace/Fix Silver Nut <input type="checkbox"/> Yearly QA/Due: <input type="checkbox"/> Replaced Power Cord <input type="checkbox"/> Replaced RT Battery <input type="checkbox"/> _____ Software update: _____ Other (comments) <u>GEBS reading on the lower end - still within the 0.01%, changed location to monitor</u> Location Change: <u>LAB</u>

SDPD CRIME LABORATORY
FORENSIC CHEMISTRY UNIT

Intoxilyzer 8000 Maintenance Log

Intoxilyzer Serial Number: 80- 6056 Year: 2015 Location: LAB

DATE	INITIALS	MAINTENANCE/COMMENTS
7-2-15	JM	Changed GEBS Tank <input type="checkbox"/> Level 2 Cal Check <input type="checkbox"/> Replaced Regulator <input type="checkbox"/> Replaced Breath Hose <input type="checkbox"/> Replace/Fix Silver Nut <input type="checkbox"/> Yearly QA/Due: <input type="checkbox"/> Replaced Power Cord <input type="checkbox"/> Replaced RT Battery <input type="checkbox"/> Software update: _____ Other (comments) <u>ETOT free breath test</u> Location Change: <u>Room 138</u>
9/14/15	gm	Changed GEBS Tank <input type="checkbox"/> Level 2 Cal Check <input type="checkbox"/> Replaced Regulator <input type="checkbox"/> Replaced Breath Hose <input type="checkbox"/> Replace/Fix Silver Nut <input type="checkbox"/> Yearly QA/Due: <input type="checkbox"/> Replaced Power Cord <input type="checkbox"/> Replaced RT Battery <input type="checkbox"/> Software update: _____ Other (comments) <u>QA DUE</u> Location Change: <u>LAB</u>
9/22/15	gm	Changed GEBS Tank <input type="checkbox"/> Level 2 Cal Check <input type="checkbox"/> Replaced Regulator <input type="checkbox"/> Replaced Breath Hose <input type="checkbox"/> Replace/Fix Silver Nut <input type="checkbox"/> Yearly QA/Due: <u>9/22/16</u> <input checked="" type="checkbox"/> Replaced Power Cord <input type="checkbox"/> Replaced RT Battery <input type="checkbox"/> Software update: _____ Other (comments) _____ Location Change: _____
2/1/16	JS	Changed GEBS Tank <input type="checkbox"/> Level 2 Cal Check <input type="checkbox"/> Replaced Regulator <input type="checkbox"/> Replaced Breath Hose <input type="checkbox"/> Replace/Fix Silver Nut <input type="checkbox"/> Yearly QA/Due: <input type="checkbox"/> Replaced Power Cord <input type="checkbox"/> Replaced RT Battery <input type="checkbox"/> Software update: _____ Other (comments) <u>ETOT free breath test</u> Location Change: <u>138</u>
2/9/16	JM	Changed GEBS Tank <input type="checkbox"/> Level 2 Cal Check <input type="checkbox"/> Replaced Regulator <input type="checkbox"/> Replaced Breath Hose <input type="checkbox"/> Replace/Fix Silver Nut <input type="checkbox"/> Yearly QA/Due: <input type="checkbox"/> Replaced Power Cord <input type="checkbox"/> Replaced RT Battery <input type="checkbox"/> Software update: _____ Other (comments) <u>time was 1 hour behind</u> Location Change: <u>Lab</u>
2/9/16	GF	Changed GEBS Tank <input type="checkbox"/> Level 2 Cal Check <input type="checkbox"/> Replaced Regulator <input type="checkbox"/> Replaced Breath Hose <input type="checkbox"/> Replace/Fix Silver Nut <input type="checkbox"/> Yearly QA/Due: <input type="checkbox"/> Replaced Power Cord <input type="checkbox"/> Replaced RT Battery <input type="checkbox"/> Software update: _____ Other (comments) <u>only 2 subject tests from 2/1/16 - 2/9/16; affected</u> <u>contacted officer via email on 2/9/16</u> Location Change: _____

Yearly Quality Assurance Certificate

On 4/13/2017 and 4/17/2017, Criminalist Velvet McLasky performed analysis to determine the calibration status and operation of the above instrument using NIST traceable dry gas ethanol standards of known ethanol concentration. The uncertainty of measurement was determined from these results.

Operational Features:**GEBS used:** Certified Value: (0.080g/210L): Lot#: **03417080A2**

Expiration: 3/5/2019

Time and Date Correct	<input checked="" type="checkbox"/>	Aborting Test using Start Button	<input checked="" type="checkbox"/>	CalCheck Failed (GEBS value wrong)	<input checked="" type="checkbox"/>
Diagnostics Testing Pass All Parameters	<input checked="" type="checkbox"/>	Successful Alcohol Free Breath Test	<input checked="" type="checkbox"/>	Magnetic Strip Reader Operational	<input checked="" type="checkbox"/>
Invalid Sample Check	<input checked="" type="checkbox"/>	Successful Alcohol Breath Test	<input checked="" type="checkbox"/>	Direct Connect to COBRA	<input checked="" type="checkbox"/>
Deficient Sample Check	<input checked="" type="checkbox"/>	RFI Detection	<input checked="" type="checkbox"/>	Instrument Cleaned	<input checked="" type="checkbox"/>
Improper Sample Check	<input checked="" type="checkbox"/>	Interferent (Acetone) Detection	<input checked="" type="checkbox"/>		
Breath Test Refusal Feature	<input checked="" type="checkbox"/>	Ambient Detection	<input checked="" type="checkbox"/>		

Pressure Reading: Instrument P: **953** psiRegulator: **~1000** psiTemperature Check: Breath Hose: **45.0** °C Breath Cell: **47.0** °C

Certified Value: (0.040g/210L):

Lot#: **12716040A8**

Expiration: 6/5/2018

Replicate	Result (g/210L)
1	0.041
2	0.040
3	0.040
4	0.040
5	0.040
6	0.040
7	0.040
8	0.040
9	0.041
10	0.041

Mean Value: 0.040 (g/210L)

Average Difference from known: 0.000

Standard Deviation: 0.0004

Certified Value: (0.100g/210L):

Lot#: **23016100A1**

Expiration: 9/5/2018

Replicate	Result (g/210L)
1	0.099
2	0.098
3	0.099
4	0.099
5	0.099
6	0.099
7	0.099
8	0.098
9	0.099
10	0.099

Mean Value: 0.098 (g/210L)

Average Difference from known: 0.002

Standard Deviation: 0.0004

Certified Value: (0.200g/210L):

Lot#: **26615200A1**

Expiration: 10/5/2017

Replicate	Result (g/210L)
1	0.195
2	0.195
3	0.195
4	0.196
5	0.195
6	0.195
7	0.196
8	0.195
9	0.195
10	0.196

Mean Value: 0.195 (g/210L)

Average Difference from known: 0.005

Standard Deviation: 0.0004

GEBS Verification: (0.080g/210L):

Lot#: **12415080A5**

Expiration: 6/5/2017

20 Replicates (g/210L)			
1	0.079	11	0.079
2	0.079	12	0.079
3	0.079	13	0.079
4	0.079	14	0.079
5	0.079	15	0.079
6	0.079	16	0.079
7	0.079	17	0.079
8	0.079	18	0.078
9	0.079	19	0.079
10	0.079	20	0.078

Mean Value: 0.078 (g/210L)

Average Difference from known: 0.002

Standard Deviation: 0.0003

The Uncertainty of Measurement is +/- 0.006 g/210L at a confidence interval of approximately 95% for breath results below 0.100 g/210L and +/- 7% at a confidence interval of approximately 95% for breath results between 0.100-0.400 g/210L. The uncertainty shall be applied to the average of the two breath samples that agree within ± 0.02 g/210 L.

Levels that are greater than 0.400 g/210 L will not have an established uncertainty and should be considered to have a value greater than 0.400 g/210 L.

This instrument is capable of measuring a known GEBS value at +/- 0.010 grams % of the true value for values ranging from 0.08 to 0.30 grams % as per Title 17.

This report certifies this instrument for field use:

Certificate Issue Date: 6/14/2017

Certified by Criminalist: Velvet McLasky

Technical Review:  Date: 6/20/17Administrative Review:  Date: 6/20/17

Yearly Quality Assurance Certificate

Intoxilyzer 8000 Instrument Serial#: 80-006056

On 7/12/16 and 7/13/16, Criminalist McLasky performed analysis to determine the calibration status and operation of Intoxilyzer 8000, serial # 80-006056 using NIST traceable dry gas ethanol standards of known ethanol concentration. The uncertainty of measurement for this instrument was determined from these results. The results from this analysis are as follows:

Operational Features:

Time and Date Correct ☒
 Diagnostics Testing Pass All Parameters ☒
 Invalid Sample Check ☒
 Deficient Sample Check ☒
 Improper Sample Check ☒
 Breath Test Refusal Feature ☒
 Aborting Test using Start Button ☒
 Successful Alcohol Free Breath Test ☒
 Pressure Reading: Instrument P: 953 psi Regulator: ~1000 psi

GEBS used: Certified Value: (g/210L): 0.100 Lot#: 28515100A1 Expiration: 11/5/17

Successful Alcohol Breath Test ☒
 RFI Detection ☒
 Interferent (Acetone) Detection ☒
 Ambient Detection ☒
 CalCheck Failed (GEBS value wrong) ☒
 Magnetic Strip Reader Operational ☒
 Direct Connect to COBRA ☒
 Instrument Cleaned ☒

Temperature Check: Breath Hose: 45.3°C Breath Cell: 47.0°C

Dry Gas Standard Analysis

Certified Value: (g/210L): 0.040
 Lot#: 07515040A5
 Expiration: 4/5/2017

Replicate	Result (g/210L)
1	0.040
2	0.039
3	0.039
4	0.040
5	0.040
6	0.040
7	0.039
8	0.039
9	0.039
10	0.039

Mean Value: 0.0394 (g/210L)
 Standard Deviation: 0.0005

Certified Value: (g/210L): 0.080
 Lot#: 12415080A5
 Expiration: 6/5/2017

Replicate	Result (g/210L)
1	0.078
2	0.078
3	0.078
4	0.078
5	0.078
6	0.078
7	0.078
8	0.078
9	0.077
10	0.078

Mean Value: 0.0779 (g/210L)
 Standard Deviation: 0.0003

Certified Value: (g/210L): 0.200
 Lot#: 26615200A1
 Expiration: 10/5/2017

Replicate	Result (g/210L)
1	0.195
2	0.195
3	0.196
4	0.195
5	0.195
6	0.195
7	0.195
8	0.195
9	0.195
10	0.195

Mean Value: 0.1951 (g/210L)
 Standard Deviation: 0.0003

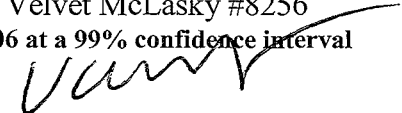
GEBS Verification: (g/210L): 0.100
 Lot#: 28515100A1
 Expiration: 11-5-17

20 Replicates (g/210L)			
1	0.096	11	0.097
2	0.097	12	0.096
3	0.097	13	0.097
4	0.096	14	0.097
5	0.097	15	0.097
6	0.097	16	0.097
7	0.097	17	0.097
8	0.096	18	0.097
9	0.096	19	0.097
10	0.097	20	0.096

Mean Value: 0.0967 (g/210L)
 Standard Deviation: 0.0004

This report certifies this instrument for field use. Certificate Issue Date: 7/13/2016

Technical Review: JS Date: 7-14-16 Administrative Review: JS Date: 7-18-16 The Uncertainty of Measurement is ± 0.006 at a 99% confidence interval

Certified by Criminalist: Velvet McLasky #8256


Yearly Quality Assurance Certificate

Intoxilyzer 8000 Instrument Serial#: 80-006056

On 9/22/2015, Criminalist Merzowski performed analysis to determine the calibration status and operation of Intoxilyzer 8000, serial # 80-006056 using NIST traceable dry gas ethanol standards of known ethanol concentration. The uncertainty of measurement for this instrument was determined from these results. The results from this analysis are as follows:

Operational Features:

Time and Date Correct	<input checked="" type="checkbox"/>	Successful Alcohol Breath Test	<input checked="" type="checkbox"/>
Diagnostics Testing Pass All Parameters	<input checked="" type="checkbox"/>	RFI Detection	<input checked="" type="checkbox"/>
Invalid Sample Check	<input checked="" type="checkbox"/>	Interferent (Acetone) Detection	<input checked="" type="checkbox"/>
Deficient Sample Check	<input checked="" type="checkbox"/>	Ambient Detection	<input checked="" type="checkbox"/>
Improper Sample Check	<input checked="" type="checkbox"/>	CalCheck Failed (GEBS value wrong)	<input checked="" type="checkbox"/>
Breath Test Refusal Feature	<input checked="" type="checkbox"/>	Magnetic Strip Reader Operational	<input checked="" type="checkbox"/>
Aborting Test using Start Button	<input checked="" type="checkbox"/>	Direct Connect to COBRA	<input checked="" type="checkbox"/>
Successful Alcohol Free Breath Test	<input checked="" type="checkbox"/>	Instrument Cleaned	<input checked="" type="checkbox"/>
Pressure Reading: Instrument P: 273 psi	Regulator: 260 psi	Temperature Check: Breath Hose: 45.1°C	Breath Cell: 47.0°C

Dry Gas Standard Analysis

Certified Value: (g/210L): 0.040
Lot#: 11514040A3
Expiration: 5/1/2016

Replicate	Result (g/210L)
1	0.042
2	0.041
3	0.041
4	0.042
5	0.042
6	0.042
7	0.042
8	0.042
9	0.042
10	0.042

Mean Value: 0.0418 (g/210L)
Standard Deviation: 0.0004

Certified Value: (g/210L): 0.080
Lot#: 13314080A3
Expiration: 6/5/2016

Replicate	Result (g/210L)
1	0.081
2	0.081
3	0.081
4	0.081
5	0.081
6	0.081
7	0.081
8	0.081
9	0.081
10	0.081

Mean Value: 0.081 (g/210L)
Standard Deviation: 0.0000

Certified Value: (g/210L): 0.200
Lot#: 17414200A1
Expiration: 7/5/2016

Replicate	Result (g/210L)
1	0.199
2	0.200
3	0.199
4	0.200
5	0.199
6	0.200
7	0.200
8	0.200
9	0.200
10	0.200

Mean Value: 0.1997 (g/210L)
Standard Deviation: 0.0004

GEBS Verification: (g/210L): 0.100
Lot#: 29113100A1
Expiration: 11/1/2015

20 Replicates (g/210L)			
1	0.098	11	0.099
2	0.098	12	0.098
3	0.099	13	0.098
4	0.099	14	0.099
5	0.098	15	0.099
6	0.099	16	0.099
7	0.099	17	0.099
8	0.098	18	0.099
9	0.099	19	0.099
10	0.098	20	0.098

Mean Value: 0.0986 (g/210L)
Standard Deviation: 0.0005

This report certifies this instrument for field use. Certificate Issue Date: 9/22/2015

Technical Review: VM Date: 9-24-15 Administrative Review: JM Date: 10-6-15

Certified by Criminalist: Lisa Merzowski 8178

The Uncertainty of Measurement is ± 0.006 at a 99% confidence interval

Certificate of Calibration

This is to certify the calibration of **Intoxilyzer**® serial number 80-006056, manufactured by CMI Inc., a subsidiary of MPD, Inc. of Owensboro, Kentucky, was tested and found to conform to the National Highway Traffic Safety Administration (NHTSA) Standard for Devices to Measure Breath Alcohol (Federal Register, Vol.58 No.179, pp 48705-48710, Sept. 17, 1993) for accuracy and precision. Reference materials are traceable through the National Institute of Standards and Technology (NIST) to the International System of Units (SI).

Date June 8, 2016

Signed Alon Phillip

Technician

CMI INC.

316 East 9th Street
Owensboro, KY 42303
USA

Part No. 650517 Re