https://fortress.wa.gov/wsp/webdms/Archives/InstrumentDocumentation/LegendBreathTestResultsColumns.pdf

Column Definitions/Legend Draeger 9510

EVIDENTIARY DATA	
Date	Date the operator started the breath testing sequence on the instrument.
Obs TI	The start time of the 15 minute observation period. This time is entered by the operator.
Obs Comp?	During data entry sequence the instrument asked if the observation period has been completed. The operator selects "Yes" or "No".
Mth Chck Assess	During data entry sequence the instrument asked if the "Subject smoke, vomit, put anything in mouth?" The Operator selects "Yes" or "No".
Cit#	Citation number or case number as entered by the operator. This may be unknown at the time of the test. If "Sector" is entered into this field that is the electronic ticketing system and no citation number is provided.
Operator	Name of the operator as scanned from permit card, or as entered by the operator prior to test.
Agy	Agency identifying code.
DOB	Date of birth of the subject providing the sample.
IS	Internal Standard reading recorded by the instrument prior to the subject samples.
BrAC1 IR	First subject sample provided, as analyzed by the infrared detector.
BrAC1 EC	First subject sample provided, as analyzed by the electrochemical (Fuel cell) sensor.
BrAC1 Sts	Status column for first subject sample. This column only displays a letter if the event occurred during that subject sample. Examples: "I" Incomplete Test "R" Breath Sample Refusal "V" Invalid Sample "X" Interfering Substance Detected
BA1	Breath Attempts from the first subject sample. This reading only shows attempted breaths that were <u>not</u> completed. If a subject were to provide a short exhalation and stop the sample prior to the sampling parameters being met this would register a number within this column. That number would occur each time the subject did not provide a complete sample.
BV1	Breath volume recorded by the instrument in liters for the first subject sample.
ET1	Elapsed time of breath sample provided by subject for the first subject sample. Time is displayed in seconds.
B1Tm	Time of Sample one acceptance/

Active Cyl Lot#	Lot number for the dry ethanol gas that was used to verify the external standard during the test.
ES IR	External Standard sample as analyzed by the infrared detector.
ES EC	External Standard sample as analyzed by the Electrochemical (Fuel Cell) sensor.
BrAC2 IR	Second subject sample provided, as analyzed by the infrared detector.
BrAC2 EC	Second subject sample provided, as analyzed by the electrochemical (Fuel Cell) sensor.
BrAC2 Sts	Status column for second subject sample. This column only displays a letter if the event occurred during that subject sample. Examples: "I" Incomplete Test "R" Breath Sample Refusal "V" Invalid Sample "X" Interfering Substance Detected
BA2	Breath Attempts from the second subject sample. This reading only shows attempted breaths that were not completed. If a subject were to provide a short exhalation and stop the sample prior to the sampling parameters being met this would register a number within this column. That number would occur each time the subject did not provide a complete sample.
BV2	Breath volume recorded by the instrument in liters for the second subject sample.
ET2	Elapsed time of the breath sample provided by the subject for the second subject sample. Time is displayed in seconds.
B2 Tm	Time of sample two acceptance.
Sts	A numeric code which corresponds with different status or error messages that occurred during some part of the testing process.

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EXTENDED DATA Additional Data that is used for statistical and data tracking purposes.	
Co	County of Arrest by number. A list of county numbers may be found here.
Cr	Crime the subject was arrested for, if applicable.
Acc	Collision (Accident) involved? "Yes" or "No" selected by operator.
Drnk Loc	If applicable, the number found within this field will identify the last known licensed drinking establishment where the subject was consuming. These numbers are provided by the WA State Liquor Control Board.
PBT?	Was a preliminary non-evidential breath test provided? "Yes" or "No".
PBT Tm	Time the PBT Sample was provided, if applicable. The time is entered by the operator.
PBT Res	Results of the PBT sample, if applicable. The results are entered by the operator.
Op Cd Scn?	An indication of whether or not the operator scanned their permit card, or entered their information through the keyboard. "Yes" or "No"
Op Exp	Operator permit card expiration date. (This will only be populate if the operator scanned their permit card).
Rac	Race or ethnic origin
Sx	Subject gender
QA Date	The date of the last Quality Assurance Procedure performed on the instrument at the time of the test.
Hose Tmp	Temperature (in centigrade) of the breath hose at the time of the test.
Act Cyl Exp	Active Cylinder Expiration. The expiration of the dry gas ethanol lot which is active on the instrument at the time of the External Standard.
IR Sens Temp	Temperature (in centigrade) of the Infrared sensor.
Amb Press Val	Ambient pressure sensor value at the time of the test.
Diagn Ostic Chk	Status of the Diagnostics check during the breath testing sequence.
Sts	A numeric code which corresponds with different status or error messages that occurred during some part of the testing process.

ARHC-0003

DISCOVERY REPORT

Results for Draeger #ARHC-0003 Between 11/11/2018 and 11/11/2018

This report represents true and correct copies of the original documents maintained by WSP in the normal course of business.

Date	Obs TI	Obs Comp ?	Mth Obs Assess	Obs	Operator	Agy	DOB	IR	BrAC 1 IR	BrAC 1 EC	BrAC 1 Sta	BA1	BR1	ET1	Bl Tm	Active Cyl Lot#	Bl IR	Bl EC	BrAC 2 IR	BrAC 2 EC	BrAC 2 Sta	BA2	BR2	ET2	Bl Tm	Col	Cn	Acq	Drnk Lvr	PBT ?	PBT Tm	PBT Res	Op Cd Rev?	Op Exp	Sol?	Sx	QA Date	Hose Temp	Act Cyl Exp	IR Rem Temp	Amb Press Val	Diagn auto Clrk	Sts
11/11/18	02:27	Y	N	SECTOR	SANDERS, RUSSELL L	WSP 0413	04/05/68	0.079	0.146	0.151		0	1.6	9.6	02:32	925825	0.078	0.078	0.125	0.127		1	1.8	10.5	02:35	32	1	N	9A999999	Y	01:57	0.108	Y	10/19/21	B	M	03/15/18	47	03/15/21	43	947	1	10
11/11/18	02:32	Y	N	SECTOR	SANDERS, RUSSELL L	WSP 0413	04/05/68	0.079	0.135	0.137		0	3.0	14.1	03:00	926625	0.078	0.078	0.131	0.133		0	2.6	13.3	03:04	32	1	N	9A999999	Y	01:57	0.108	Y	10/19/21	B	M	03/13/18	47	03/19/21	43	941	1	C
11/11/18	19:33	Y	N	1880017469	BICKLEY, NICHOLAS R	0350 909	04/20/83	0.079	0.203	0.204		0	3.1	11.5	19:53	925825	0.077	0.078	0.207	0.204		0	3.2	12.1	19:57	32	1	N	4T068419	Y	19:20	0.204	Y	08/04/20	W	M	03/13/18	47	03/19/21	43	946	1	0

Draeger Alcotest 9510: **ARHC-0003**

BrAC 1 IR: 0.146
BrAC 1 EC: 0.151

BrAC 2 IR: 0.125
BrAC 2 EC: 0.127

0.146 + 0.151 + 0.125 + 0.127 = 0.549

Mean: 0.549 ÷ 4 = 0.13725

DRAEGER 9510 CALCULATION:	WAC 448-16-060 CALCULATION:
TRUNCATE mean to 4 decimal places (per bid specification 8/6/2008)	**ROUND** mean to 4 decimal places
Lower Limit: 0.1372 x 0.9 = 0.12348 Upper Limit: 0.1372 x 1.1 = 0.15092	Lower Limit: 0.1373 x 0.9 = 0.12357 Upper Limit: 0.1373 x 1.1 = 0.15103
Truncated to three decimal places:	Truncated to three decimal places:
Lower Limit: 0.123 Upper Limit: 0.150	Lower Limit: 0.123 Upper Limit: 0.151
The Draeger 9510 aborted this test sequence because "**BrAC 1 EC**" is outside of the upper limit, did not print an evidentiary document and a software status code "10" was memorialized and retained in the machine's database along with the four results.	The four results are within the mandates of WAC 448-16-060 for prima facie admissibility under RCW 46.61.506(4) as confirmed by WSP Breath Test Program Technician Trooper Tanya Wright.

Bianchi Law Firm Staff

From: Wright, Tanya (WSP) <Tanya.Wright@wsp.wa.gov>
Sent: Friday, March 26, 2021 9:22 AM
To: George Bianchi
Subject: +/- 10%
Attachments: 20210326083133550.pdf

Good Morning,

Attached is my math showing how I found the +/- 10% range.

Thank you,

Trooper Tanya Wright #526
Impaired Driving Section - Breath Test Program
206-507-0555
2700 116th ST NE
Marysville, WA 98271

From: Do-Not-Reply-D7HQSquadC6004@wsp.wa.gov <Do-Not-Reply-D7HQSquadC6004@wsp.wa.gov>
Sent: Friday, March 26, 2021 5:31 AM
To: Wright, Tanya (WSP)
Subject: Message from "D7-HQSquadC6004"

This E-mail was sent from "D7-HQSquadC6004" (MP C6004ex).

Scan Date: 03.26.2021 08:31:33 (-0400)
Queries to: Do-Not-Reply-D7HQSquadC6004@wsp.wa.gov

Foppiano

George Bianchi <george@thebianchilawfirm.com>

Mon 3/22/2021 9:00 AM

To:Wright, Tanya (WSP) <Tanya.Wright@wsp.wa.gov>;

Trooper Wright,

As part of the interview this afternoon I am going to ask that you determine whether the below hypothetical breath samples agree within plus minus ten percent of their mean, that you provide the upper and lower limits and that you provide the actual calculations used to determine these upper and lower limits. Thankyou.

BrAC 1 IR: 0.146
BrAC 1 EC: 0.151

BrAC 2 IR: 0.125
BrAC 2 EC: 0.127

.146 + .151 + .125 + .127 (rounded to 4 dec.)
= .549/4 = .13725 = .1373
(.1373)(.9) = .123 g/210L (truncate @ 3)
(.1373)(1.1) = .151 g/210L (truncate @ 3)
+/- 10% = .123 → .151 g/210L

George L. Bianchi
The Bianchi Law Firm
1950 112th Ave N.E., Suite 201
Bellevue, WA 98004
Phone: (206) 728-9300

CURRICULUM VITAE

Trooper Tanya Wright
Washington State Patrol
Impaired Driving Section
2700 116th ST NE
Marysville, WA 98271
(360) 654-1127
E-Mail: Tanya.Wright@wsp.wa.gov

Professional Responsibilities:

Maintains, troubleshoots, repairs and performs Quality Assurance Procedures on the Draeger Alcotest 9510; provides expert testimony in court; maintains files and records regarding breath test instruments; Custodian of the Records; provides training to Law Enforcement Officers to satisfy all elements of the Breath Test Program.

Washington State Patrol Training and Qualifications

Hired by Washington State Patrol 2010

Trooper Cadet Arming Academy 2010

Washington State Patrol Basic Training 2011

Datamaster Operator Basic 2011

Datamaster Operator Refresher 2014

Collision Technical Specialist Training 2015

Draeger Operator Refresher 2017

BAC Technician Training October 2018

IACT Conference 2019

Educational Background

High School Diploma, Lake Stevens Senior High School 2005

Bachelor's Degree, Gonzaga University 2009

ARAF-0005

DISCOVERY REPORT

Results for Draeger #ARAF-0005 Between 11/1/2015 and 11/1/2015

This report represents true and correct copies of the original documents maintained by WSP in the normal course of business.

Date	Obs Ti	Obs Comp ?	Nth Chk Assess	Cit	Operator	Agy	DOB	IB	BrAC 1 IR	BrAC 1 EC	BrAC 1 Sts	BA1	BV1	ET1	B1 Tm	Active Cyl Lot#	ES IR	ES EC	BrAC 2 IR	BrAC 2 EC	BrAC 2 Sts	BA2	BV2	ET2	B2 Tm	Co	Cr	Acc	Drnk Loc	PBT ?	PBT Tm	PBT Res	Op Crt Sgn?	Op Exp	Rac	Sx	QA Date	Heise Tmp	Alc Cyl Exp	IR Sens Temp	Amb Press Val	Diagnostic Chk	Sts
11/01/15	21:53	Y	N	SECTOR	BOON, BRIAN C	WA WSP 703	07/01/81	0.079	0.107	0.106		1	1.5	8.4	22:12	1623305	0.078	0.075	0.129	0.127		2	3.5	30.6	22:17	29	1	N	9R000000	N			Y	11/21/16	W	M	10/08/15	47	02/27/18	45	1009	1	10
11/01/15	21:53	Y	N	SECTOR	BOON, BRIAN C	WA WSP 703	07/01/81	0.079	0.116	0.113		0	2.2	18.4	22:21	1623305	0.077	0.072	0.113	0.112		0	1.8	16.3	22:25	29	1	N	9R000000	N			Y	11/21/16	W	M	10/08/15	47	02/27/18	45	1010	1	0

Draeger Alcotest 9510: **ARAF-0005**

BrAC 1 IR: 0.107
BrAC 1 EC: 0.106

BrAC 2 IR: 0.129
BrAC 2 EC: 0.127

$0.107 + 0.106 + 0.129 + 0.127 = 0.469$

Mean: $0.469 \div 4 = 0.11725$

DRAEGER 9510 CALCULATION: **TRUNCATE** mean to 4 decimal places (per bid specification 8/6/2008)	WAC 448-16-060 CALCULATION: **ROUND** mean to 4 decimal places
Lower Limit: 0.1172 x 0.9 = 0.10548 Upper Limit: 0.1172 x 1.1 = 0.12892	Lower Limit: 0.1173 x 0.9 = 0.10557 Upper Limit: 0.1173 x 1.1 = 0.12903
Truncated to three decimal places:	Truncated to three decimal places:
Lower Limit: 0.105 Upper Limit: 0.128	Lower Limit: 0.105 Upper Limit: 0.129
The Draeger 9510 aborted this test sequence because "**BrAC 2 IR**" is outside of the upper limit, did not print an evidentiary document and a software status code "10" was memorialized and retained in the machine's database along with the four results.	The four results are within the mandates of WAC 448-16-060 for prima facie admissibility under RCW 46.61.506(4).