Washington State Patrol Breath Test Program

DRAEGER ALCOTEST 9510 CALIBRATION/ADJUSTMENT RECORD

SERIAL NUMBER: ARAH-0081

SOFTWARE VER.: 8322798 0.6

CONFIG. VER.: 8322796 2.0

TECHNICIAN: MCCOURT/E/A

TIME/DATE BEGAN: 13:12 04/23/2013

COPY

CALIBRATION ADJUSTMENT PERFORMED: YES

BATCH#: 12048 **REF VALUE:** 0.0812 **SIM#:** DR4484 **THERM#:** DR4484

CALIBRATION AS/FOUND PROCEDURE

Results Units g/210L

Simulator #	DR4483		DR4484		DR4483		DR4484	
Sim Thermometer #	DR4483		DR4484		DR4483		DR4484	
QAP Batch #	12036		12048		12050		T00014	
Reference Value	0.0404		0.0812		0.1534		0.2038	
Sim Temp 34.0°C ± 0.2°C Before?	YES		YES		YES		YES	
	IR	EC	IR	EC	IR	EC	IR	EC
1	0.039	0.038	0.078	0.078	0.149	0.149	0.195	0.196
2	0.039	0.039	0.080	0.080	0.150	0.149	0.199	0.200
3	0.039	0.039	0.080	0.080	0.149	0.150	0.201	0.203
4	0.039	0.039	0.080	0.080	0.149	0.150	0.202	0.204
5	0.039	0.039	0.080	0.080	0.149	0.151	0.202	0.204
Sim Temp 34.0°C ± 0.2°C After?	YES		YES		YES		YES	
Mean	0.0390	0.0388	0.0796	0.0796	0.1492	0.1498	0.1998	0.2014
SD	0.0000	0.0004	0.0009	0.0009	0.0004	0.0008	0.0029	0.0034
Bias %	-3.47	-3.96	-1.97	-1.97	-2.74	-2.35	-1.96	-1.18
CV %	0.00	1.03	1.13	1.13	0.27	0.53	1.45	1.69

COMPLETE BREATH TEST: YES **ESS LOT#:** 765817 **EXP DATE:** 05/06/2013

INTERFERENCE TEST: YES **BATCH#:** 12058 **SIM#:** DR4807

ACETONE LOT#: 113751 **THERM#:** DR4807

INVALID SAMPLE: YES

REFERENCE BAROMETER S/N: 74003877

COMMENTS:

COPY

MCCOURT/E/A — Technician Name

Signature

12:16 04/24/2013 — Time/Date Procedure Completed

Washington State Patrol Breath Test Program

DRAEGER ALCOTEST 9510 CALIBRATION/ADJUSTMENT RECORD

SERIAL NUMBER: ARAF-0030

SOFTWARE VER.: 8322798 0.6

CONFIG. VER.: 8322796 2.0

TECHNICIAN: DESTITO/J

TIME/DATE BEGAN: 14:29 04/23/2013

CALIBRATION ADJUSTMENT PERFORMED: YES

BATCH#: 12048 **REF VALUE:** 0.0812 **SIM#:** DR1361 **THERM#:** DR1361

CALIBRATION AS/FOUND PROCEDURE

Results Units g/210L

Simulator #	DR1361		DR1361		DR4528		DR4532	
Sim Thermometer #	DR1361		DR1361		DR4528		DR4532	
QAP Batch #	12047		12048		T00014		12057	
Reference Value	0.0408		0.0812		0.2038		0.1522	
Sim Temp 34.0°C ± 0.2°C Before?	YES		YES		YES		YES	
	IR	**EC**	**IR**	**EC**	**IR**	**EC**	**IR**	**EC**
1	0.042	0.042	0.080	0.081	0.210	0.209	0.157	0.160
2	0.042	0.043	0.081	0.082	0.212	0.212	0.156	0.159
3	0.042	0.042	0.082	0.083	0.213	0.213	0.156	0.160
4	0.042	0.043	0.082	0.084	0.213	0.214	0.157	0.160
5	0.042	0.043	0.083	0.084	0.214	0.215	0.156	0.160
Sim Temp 34.0°C ± 0.2°C After?	YES		YES		YES		YES	
Mean	0.0420	0.0426	0.0816	0.0828	0.2124	0.2126	0.1564	0.1598
SD	0.0000	0.0005	0.0011	0.0013	0.0015	0.0023	0.0005	0.0004
Bias %	2.94	4.41	0.49	1.97	4.22	4.32	2.76	4.99
CV %	0.00	1.17	1.35	1.57	0.71	1.08	0.32	0.25

COMPLETE BREATH TEST: YES **ESS LOT#:** 765817 **EXP DATE:** 05/06/2013

INTERFERENCE TEST: YES **BATCH#:** 12058 **SIM#:** DR4807

ACETONE LOT#: 113751 **THERM#:** DR4807

INVALID SAMPLE: YES

REFERENCE BAROMETER S/N: 74003877

COMMENTS:

DESTITO/J
Technician Name

Signature

16:42 04/23/2013
Time/Date Procedure Completed

Review: Doug Jones 4/24/13

Washington State Patrol Breath Test Program

DRAEGER ALCOTEST 9510 CALIBRATION/ADJUSTMENT RECORD

SERIAL NUMBER: ARAH-0076

SOFTWARE VER.: 8322798 0.6

CONFIG. VER.: 8322796 1DB

TECHNICIAN: MOBERG

TIME/DATE BEGAN: 10:28 04/24/2013

CALIBRATION ADJUSTMENT PERFORMED: YES

BATCH#: 12055 **REF VALUE:** 0.0812 **SIM#:** DR4532 **THERM#:** DR4532

CALIBRATION AS/FOUND PROCEDURE

Results Units g/210L

Simulator #	DR4532		DR4528		DR4528		DR4532	
Sim Thermometer #	DR4532		DR4528		DR4528		DR4532	
QAP Batch #	12055		T00014		12057		12038	
Reference Value	0.0812		0.2038		0.1522		0.0407	
Sim Temp 34.0°C ± 0.2°C Before?	YES		YES		YES		YES	
	IR	**EC**	**IR**	**EC**	**IR**	**EC**	**IR**	**EC**
1	0.080	0.080	0.195	0.194	0.150	0.149	0.038	0.040
2	0.080	0.080	0.195	0.195	0.150	0.149	0.039	0.040
3	0.079	0.079	0.196	0.195	0.150	0.149	0.039	0.040
4	0.079	0.079	0.196	0.195	0.149	0.149	0.039	0.039
5	0.079	0.079	0.196	0.196	0.149	0.149	0.039	0.040
Sim Temp 34.0°C ± 0.2°C After?	YES		YES		YES		YES	
Mean	0.0794	0.0794	0.1956	0.1950	0.1496	0.1490	0.0388	0.0398
SD	0.0005	0.0005	0.0005	0.0007	0.0005	0.0000	0.0004	0.0004
Bias %	-2.22	-2.22	-4.02	-4.32	-1.71	-2.10	-4.67	-2.21
CV %	0.63	0.63	0.26	0.36	0.33	0.00	1.03	1.01

COMPLETE BREATH TEST: YES **ESS LOT#:** 1161031 **EXP DATE:** 05/19/2014

INTERFERENCE TEST: YES **BATCH#:** T00003 **SIM#:** DR4528

ACETONE LOT#: 113751 **THERM#:** DR4528

INVALID SAMPLE: YES

REFERENCE BAROMETER S/N: 74003877

COMMENTS:

MOBERG
Technician Name

Signature

13:45 04/24/2013
Time/Date Procedure Completed

Witness Borgen

15:00/4-24-2013

Washington State Patrol Breath Test Program

DRAEGER ALCOTEST 9510 CALIBRATION/ADJUSTMENT RECORD

SERIAL NUMBER: ARAH-0103

SOFTWARE VER.: 8322798 0.6

CONFIG. VER.: 8322796 2.0

TECHNICIAN: J P VAN DIEST

TIME/DATE BEGAN: 09:04 04/24/2013

CALIBRATION ADJUSTMENT PERFORMED: YES

BATCH#: 12058 **REF VALUE:** 0.0816 **SIM#:** DR4535 **THERM#:** DR4535

CALIBRATION AS/FOUND PROCEDURE

Results Units g/210L

Simulator #	DR4534		DR4535		DR4534		DR4535	
Sim Thermometer #	DR4534		DR4535		DR4534		DR4535	
QAP Batch #	12036		12058		12057		T00014	
Reference Value	0.0404		0.0816		0.1522		0.2038	
Sim Temp 34.0°C ± 0.2°C Before?	YES		YES		YES		YES	
	IR	**EC**	**IR**	**EC**	**IR**	**EC**	**IR**	**EC**
1	0.041	0.041	0.081	0.082	0.150	0.150	0.204	0.205
2	0.041	0.041	0.082	0.082	0.151	0.151	0.204	0.206
3	0.041	0.041	0.082	0.082	0.153	0.152	0.205	0.207
4	0.041	0.041	0.082	0.083	0.153	0.153	0.206	0.207
5	0.041	0.041	0.082	0.083	0.153	0.153	0.205	0.208
Sim Temp 34.0°C ± 0.2°C After?	YES		YES		YES		YES	
Mean	0.0410	0.0410	0.0818	0.0824	0.1520	0.1518	0.2048	0.2066
SD	0.0000	0.0000	0.0004	0.0005	0.0014	0.0013	0.0008	0.0011
Bias %	1.49	1.49	0.25	0.98	-0.13	-0.26	0.49	1.37
CV %	0.00	0.00	0.49	0.61	0.92	0.86	0.39	0.53

COMPLETE BREATH TEST: YES **ESS LOT#:** 946484 **EXP DATE:** 01/06/2014

INTERFERENCE TEST: YES **BATCH#:** 12058 **SIM#:** DR4535

ACETONE LOT#: 113751 **THERM#:** DR4535

INVALID SAMPLE: YES

REFERENCE BAROMETER S/N: 74003877

COMMENTS:

J P VAN DIEST
Technician Name

Signature

10:55 04/24/2013
Time/Date Procedure Completed

Witness Bergen 11:00 / 4-24-2013

Washington State Patrol Breath Test Program

DRAEGER ALCOTEST 9510 CALIBRATION/ADJUSTMENT RECORD

SERIAL NUMBER: ARAF-0002

SOFTWARE VER.: 8322798 0.6

CONFIG. VER.: 8322796 2.0

TECHNICIAN: CAM BIRMAN

TIME/DATE BEGAN: 08:46 04/24/2013

CALIBRATION ADJUSTMENT PERFORMED: YES

BATCH#: 12058 **REF VALUE:** 0.0816 **SIM#:** DR4535 **THERM#:** DR4535

CALIBRATION AS/FOUND PROCEDURE

Results Units g/210L

Simulator #	DR4534		DR4535		DR4534		DR4535	
Sim Thermometer #	DR4534		DR4535		DR4534		DR4535	
QAP Batch #	12036		12058		12057		T00014	
Reference Value	0.0404		0.0816		0.1522		0.2038	
Sim Temp 34.0°C ± 0.2°C Before?	YES		YES		YES		YES	
	IR	**EC**	**IR**	**EC**	**IR**	**EC**	**IR**	**EC**
1	0.042	0.042	0.083	0.083	0.154	0.156	0.206	0.207
2	0.042	0.042	0.082	0.083	0.155	0.158	0.207	0.208
3	0.041	0.042	0.082	0.082	0.155	0.158	0.208	0.208
4	0.042	0.042	0.082	0.082	0.155	0.158	0.208	0.210
5	0.042	0.042	0.082	0.082	0.155	0.158	0.209	0.211
Sim Temp 34.0°C ± 0.2°C After?	YES		YES		YES		YES	
Mean	0.0418	0.0420	0.0822	0.0824	0.1548	0.1576	0.2076	0.2088
SD	0.0004	0.0000	0.0004	0.0005	0.0004	0.0009	0.0011	0.0016
Bias %	3.47	3.96	0.74	0.98	1.71	3.55	1.86	2.45
CV %	0.96	0.00	0.49	0.61	0.26	0.57	0.53	0.77

COMPLETE BREATH TEST: YES **ESS LOT#:** 946484 **EXP DATE:** 01/06/2014

INTERFERENCE TEST: YES **BATCH#:** 12058 **SIM#:** DR4535

ACETONE LOT#: 113751 **THERM#:** DR4535

INVALID SAMPLE: YES

REFERENCE BAROMETER S/N: 74003877

COMMENTS:

CAM BIRMAN — Technician Name

Signature

10:42 04/24/2013 — Time/Date Procedure Completed

Ruth Cramer Ruth Cramer 4-24-13

Washington State Patrol Breath Test Program

DRAEGER ALCOTEST 9510 CALIBRATION/ADJUSTMENT RECORD

SERIAL NUMBER: ARZB-0001

SOFTWARE VER.: 8322798 0.6

CONFIG. VER.: 8322796 2.0

TECHNICIAN: STERKEL/MEL

TIME/DATE BEGAN: 13:43 04/23/2013

CALIBRATION ADJUSTMENT PERFORMED: YES

BATCH#: 12032 **REF VALUE:** 0.0820 **SIM#:** 12032 **THERM#:** F94872

CALIBRATION AS/FOUND PROCEDURE

Results Units g/210L

Simulator #	G1894		DR4489		DR2049		DR4489	
Sim Thermometer #	F94872		DR4489		DR2049		DR4489	
QAP Batch #	12032		T00014		12050		12027	
Reference Value	0.0820		0.2038		0.1534		0.0401	
Sim Temp 34.0°C ± 0.2°C Before?	YES		YES		YES		YES	
	IR	**EC**	**IR**	**EC**	**IR**	**EC**	**IR**	**EC**
1	0.082	0.081	0.203	0.202	0.154	0.156	0.039	0.041
2	0.081	0.081	0.205	0.204	0.154	0.156	0.040	0.041
3	0.081	0.082	0.205	0.206	0.154	0.157	0.040	0.041
4	0.081	0.082	0.205	0.206	0.154	0.157	0.040	0.041
5	0.081	0.082	0.205	0.207	0.154	0.157	0.040	0.041
Sim Temp 34.0°C ± 0.2°C After?	YES		YES		YES		YES	
Mean	0.0812	0.0816	0.2046	0.2050	0.1540	0.1566	0.0398	0.0410
SD	0.0004	0.0005	0.0009	0.0020	0.0000	0.0005	0.0004	0.0000
Bias %	-0.98	-0.49	0.39	0.59	0.39	2.09	-0.75	2.24
CV %	0.49	0.61	0.44	0.98	0.00	0.32	1.01	0.00

COMPLETE BREATH TEST: YES **ESS LOT#:** 765817 **EXP DATE:** 05/06/2013

INTERFERENCE TEST: YES **BATCH#:** 12058 **SIM#:** DR4807

ACETONE LOT#: 113751 **THERM#:** DR4807

INVALID SAMPLE: YES

REFERENCE BAROMETER S/N: 74003877

COMMENTS:

STERKEL/MEL
Technician Name

Signature

16:18 04/23/2013
Time/Date Procedure Completed

William Boyer 16:30 / 4-23-2013

Washington State Patrol Breath Test Program

DRAEGER ALCOTEST 9510 CALIBRATION/ADJUSTMENT RECORD

SERIAL NUMBER: ARAH-0104

SOFTWARE VER.: 8322798 0.6

CONFIG. VER.: 8322796 2.0

TECHNICIAN: MOBERG

TIME/DATE BEGAN: 13:39 04/24/2013

CALIBRATION ADJUSTMENT PERFORMED: YES

BATCH#: T00003 **REF VALUE:** 0.0820 **SIM#:** DR4532 **THERM#:** DR4532

CALIBRATION AS/FOUND PROCEDURE

Results Units g/210L

Simulator #	DR4532		DR4528		DR4532		DR4528	
Sim Thermometer #	DR4532		DR4528		DR4532		DR4528	
QAP Batch #	T00003		T00014		12038		12041	
Reference Value	0.0820		0.2038		0.0407		0.1546	
Sim Temp 34.0°C ± 0.2°C Before?	YES		YES		YES		YES	
	IR	**EC**	**IR**	**EC**	**IR**	**EC**	**IR**	**EC**
1	0.080	0.080	0.206	0.204	0.042	0.042	0.156	0.157
2	0.080	0.080	0.208	0.207	0.041	0.042	0.156	0.157
3	0.081	0.081	0.208	0.207	0.041	0.042	0.156	0.157
4	0.081	0.082	0.209	0.208	0.041	0.042	0.156	0.158
5	0.081	0.082	0.209	0.208	0.041	0.043	0.156	0.158
Sim Temp 34.0°C ± 0.2°C After?	YES		YES		YES		YES	
Mean	0.0806	0.0810	0.2080	0.2068	0.0412	0.0422	0.1560	0.1574
SD	0.0005	0.0010	0.0012	0.0016	0.0004	0.0004	0.0000	0.0005
Bias %	-1.71	-1.22	2.06	1.47	1.23	3.69	0.91	1.81
CV %	0.62	1.23	0.58	0.77	0.97	0.95	0.00	0.32

COMPLETE BREATH TEST: YES **ESS LOT#:** 1161031 **EXP DATE:** 05/19/2014

INTERFERENCE TEST: YES **BATCH#:** T00003 **SIM#:** DR4532

ACETONE LOT#: 113751 **THERM#:** DR4532

INVALID SAMPLE: YES

REFERENCE BAROMETER S/N: 74003877

COMMENTS:

MOBERG
Technician Name

Signature

15:09 04/24/2013
Time/Date Procedure Completed

Rev: D. Jones 4/25/13

Washington State Patrol Breath Test Program

DRAEGER ALCOTEST 9510 CALIBRATION/ADJUSTMENT RECORD

SERIAL NUMBER: ARAH-0093

SOFTWARE VER.: 8322798 0.6

CONFIG. VER.: 8322796 2.0

TECHNICIAN: JONES

TIME/DATE BEGAN: 08:32 04/24/2013

CALIBRATION ADJUSTMENT PERFORMED: YES

BATCH#: 12058 **REF VALUE:** 0.0840 **SIM#:** DR4536 **THERM#:** DR4536

CALIBRATION AS/FOUND PROCEDURE

Results Units g/210L

Simulator #	DR4536		DR4536		DR4536		DR4536	
Sim Thermometer #	DR4536		DR4536		DR4536		DR4536	
QAP Batch #	13001		12058		12041		T00014	
Reference Value	0.0407		0.0840		0.1546		0.2038	
Sim Temp 34.0°C ± 0.2°C Before?	YES		YES		YES		YES	
	IR	**EC**	**IR**	**EC**	**IR**	**EC**	**IR**	**EC**
1	0.042	0.041	0.078	0.078	0.156	0.156	0.203	0.204
2	0.042	0.042	0.081	0.080	0.157	0.157	0.206	0.207
3	0.042	0.042	0.082	0.082	0.157	0.158	0.208	0.209
4	0.042	0.042	0.082	0.083	0.157	0.158	0.209	0.211
5	0.042	0.042	0.083	0.083	0.158	0.159	0.210	0.213
Sim Temp 34.0°C ± 0.2°C After?	YES		YES		YES		YES	
Mean	0.0420	0.0418	0.0812	0.0812	0.1570	0.1576	0.2072	0.2088
SD	0.0000	0.0004	0.0019	0.0022	0.0007	0.0011	0.0028	0.0035
Bias %	3.19	2.70	-3.33	-3.33	1.55	1.94	1.67	2.45
CV %	0.00	0.96	2.34	2.71	0.45	0.70	1.35	1.68

COMPLETE BREATH TEST: YES **ESS LOT#:** 765817 **EXP DATE:** 05/06/2013

INTERFERENCE TEST: YES **BATCH#:** 12058 **SIM#:** DR4536

ACETONE LOT#: 113751 **THERM#:** DR4536

INVALID SAMPLE: YES

REFERENCE BAROMETER S/N: 74003877

COMMENTS:

JONES
Technician Name

D. Jones
Signature

11:01 04/24/2013
Time/Date Procedure Completed

William Bogan 11:26 / 4-24-2013

Washington State Patrol Breath Test Program

DRAEGER ALCOTEST 9510 CALIBRATION/ADJUSTMENT RECORD

SERIAL NUMBER: ARAH-0098

SOFTWARE VER.: 8322798 0.6

CONFIG. VER.: 8322796 2.0

TECHNICIAN: S.C. MADSEN

TIME/DATE BEGAN: 13:31 04/23/2013

CALIBRATION ADJUSTMENT PERFORMED: YES

BATCH#: 12058 **REF VALUE:** 0.0816 **SIM#:** G7006 **THERM#:** B951232

CALIBRATION AS/FOUND PROCEDURE

Results Units g/210L

Simulator #	G7006		DR4468		G7006		DR4468	
Sim Thermometer #	B951232		DR4468		B951232		DR4468	
QAP Batch #	12058		12047		12057		T00014	
Reference Value	0.0816		0.0408		0.1522		0.2038	
Sim Temp 34.0°C ± 0.2°C Before?	YES		YES		YES		YES	
	IR	**EC**	**IR**	**EC**	**IR**	**EC**	**IR**	**EC**
1	0.080	0.081	0.040	0.041	0.153	0.155	0.207	0.212
2	0.081	0.082	0.041	0.042	0.154	0.157	0.207	0.213
3	0.080	0.082	0.041	0.041	0.154	0.157	0.207	0.213
4	0.081	0.082	0.041	0.042	0.154	0.157	0.207	0.214
5	0.080	0.082	0.041	0.042	0.154	0.157	0.206	0.214
Sim Temp 34.0°C ± 0.2°C After?	YES		YES		YES		YES	
Mean	0.0804	0.0818	0.0408	0.0416	0.1538	0.1566	0.2068	0.2132
SD	0.0005	0.0004	0.0004	0.0005	0.0004	0.0009	0.0004	0.0008
Bias %	-1.47	0.25	0.00	1.96	1.05	2.89	1.47	4.61
CV %	0.62	0.49	0.98	1.20	0.26	0.57	0.19	0.38

COMPLETE BREATH TEST: YES **ESS LOT#:** ~~1161031~~ 765817 **EXP DATE:** ~~05/19/2014~~ 05/06/13

INTERFERENCE TEST: YES **BATCH#:** 12058 **SIM#:** DR3069

ACETONE LOT#: 113751 **THERM#:** DR3069

INVALID SAMPLE: YES

REFERENCE BAROMETER S/N: 74003877

COMMENTS:

S.C. MADSEN S.C. Madsen 15:34 04/23/2013

Technician Name Signature Time/Date Procedure Completed

4-23-13

Washington State Patrol Breath Test Program

DRAEGER ALCOTEST 9510 CALIBRATION/ADJUSTMENT RECORD

SERIAL NUMBER: ARAH-0099

SOFTWARE VER.: 8322798 0.6

CONFIG. VER.: 8322796 2.0

TECHNICIAN: J. A. MCKEE

TIME/DATE BEGAN: 13:32 04/23/2013

CALIBRATION ADJUSTMENT PERFORMED: YES

BATCH#: 12058 **REF VALUE:** 0.0816 **SIM#:** DR4465 **THERM#:** DR4465

CALIBRATION AS/FOUND PROCEDURE

Results Units g/210L

Simulator #	DR4978		DR4465		DR2049		DR4465	
Sim Thermometer #	DR4978		DR4465		DR2049		DR4465	
QAP Batch #	12054		12058		12050		T00014	
Reference Value	0.0407		0.0816		0.1534		0.2038	
Sim Temp 34.0°C ± 0.2°C Before?	YES		YES		YES		YES	
	IR	**EC**	**IR**	**EC**	**IR**	**EC**	**IR**	**EC**
1	0.041	0.041	0.080	0.081	0.150	0.151	0.202	0.205
2	0.040	0.040	0.081	0.081	0.152	0.154	0.204	0.208
3	0.040	0.040	0.081	0.082	0.152	0.154	0.205	0.210
4	0.040	0.040	0.081	0.082	0.153	0.155	0.204	0.210
5	0.039	0.039	0.081	0.082	0.152	0.155	0.204	0.210
Sim Temp 34.0°C ± 0.2°C After?	YES		YES		YES		YES	
Mean	0.0400	0.0400	0.0808	0.0816	0.1518	0.1538	0.2038	0.2086
SD	0.0007	0.0007	0.0004	0.0005	0.0011	0.0016	0.0011	0.0022
Bias %	-1.72	-1.72	-0.98	0.00	-1.04	0.26	0.00	2.36
CV %	1.75	1.75	0.50	0.61	0.72	1.04	0.54	1.05

COMPLETE BREATH TEST: YES **ESS LOT#:** 1161031 **EXP DATE:** 05/19/2014

INTERFERENCE TEST: YES **BATCH#:** 12058 **SIM#:** DR3069

ACETONE LOT#: 113751 **THERM#:** DR3069

INVALID SAMPLE: YES

REFERENCE BAROMETER S/N: 74003877

COMMENTS:

J. A. MCKEE
Technician Name

Signature

15:43 04/23/2013
Time/Date Procedure Completed

William Bergen 16:05 / 4-23-2013

Washington State Patrol Breath Test Program

DRAEGER ALCOTEST 9510 CALIBRATION/ADJUSTMENT RECORD

SERIAL NUMBER: ARAF-0021

SOFTWARE VER.: 8322798 0.6

CONFIG. VER.: 8322796 2.0

TECHNICIAN: HAVENNER

TIME/DATE BEGAN: 13:52 04/23/2013

CALIBRATION ADJUSTMENT PERFORMED: YES

BATCH#: 12048 **REF VALUE:** 0.0812 **SIM#:** DR4760 **THERM#:** DR4760

CALIBRATION AS/FOUND PROCEDURE

Results Units g/210L

Simulator #	DR4760		DR4761		DR4760		DR4761	
Sim Thermometer #	DR4760		DR4761		DR4760		DR4761	
QAP Batch #	12048		12047		12057		T00014	
Reference Value	0.0812		0.0408		0.1522		0.2038	
Sim Temp 34.0°C ± 0.2°C Before?	YES		YES		YES		YES	
	IR	**EC**	**IR**	**EC**	**IR**	**EC**	**IR**	**EC**
1	0.081	0.081	0.040	0.040	0.150	0.152	0.202	0.204
2	0.081	0.081	0.040	0.040	0.150	0.152	0.203	0.206
3	0.081	0.082	0.040	0.041	0.151	0.153	0.203	0.207
4	0.081	0.082	0.040	0.041	0.151	0.153	0.203	0.207
5	0.081	0.081	0.040	0.041	0.150	0.153	0.203	0.207
Sim Temp 34.0°C ± 0.2°C After?	YES		YES		YES		YES	
Mean	0.0810	0.0814	0.0400	0.0406	0.1504	0.1526	0.2028	0.2062
SD	0.0000	0.0005	0.0000	0.0005	0.0005	0.0005	0.0004	0.0013
Bias %	-0.25	0.25	-1.96	-0.49	-1.18	0.26	-0.49	1.18
CV %	0.00	0.61	0.00	1.23	0.33	0.33	0.20	0.63

COMPLETE BREATH TEST: YES **ESS LOT#:** 946484 **EXP DATE:** 01/06/2014

INTERFERENCE TEST: YES **BATCH#:** 12058 **SIM#:** DR3069

ACETONE LOT#: 113751 **THERM#:** DR3069

INVALID SAMPLE: YES

REFERENCE BAROMETER S/N: 74003877

COMMENTS:

HAVENNER
Technician Name

Signature

15:23 04/23/2013
Time/Date Procedure Completed

William Bayer 4-23-2013/15:45

Washington State Patrol Breath Test Program

DRAEGER ALCOTEST 9510 CALIBRATION/ADJUSTMENT RECORD

SERIAL NUMBER: ARAH-0089

SOFTWARE VER.: 8322798 0.6

CONFIG. VER.: 8322796 2.0

TECHNICIAN: ZEPEDA

TIME/DATE BEGAN: 13:51 04/23/2013

CALIBRATION ADJUSTMENT PERFORMED: YES

BATCH#: 12058 **REF VALUE:** 0.0816 **SIM#:** DR4807 **THERM#:** DR4807

CALIBRATION AS/FOUND PROCEDURE

Results Units g/210L

Simulator #	DR4536		DR4524		DR4807		DR4524	
Sim Thermometer #	DR4536		DR4524		DR4807		DR4524	
QAP Batch #	12047		12057		12058		T00014	
Reference Value	0.0408		0.1522		0.0816		0.2038	
Sim Temp 34.0°C ± 0.2°C Before?	YES		YES		YES		YES	
	IR	**EC**	**IR**	**EC**	**IR**	**EC**	**IR**	**EC**
1	0.041	0.042	0.148	0.148	0.079	0.080	0.196	0.198
2	0.040	0.041	0.151	0.152	0.079	0.080	0.200	0.203
3	0.040	0.041	0.151	0.152	0.079	0.080	0.202	0.205
4	0.040	0.041	0.151	0.153	0.079	0.080	0.203	0.206
5	0.040	0.041	0.151	0.153	0.079	0.080	0.203	0.207
Sim Temp 34.0°C ± 0.2°C After?	YES		YES		YES		YES	
Mean	0.0402	0.0412	0.1504	0.1516	0.0790	0.0800	0.2008	0.2038
SD	0.0004	0.0004	0.0013	0.0021	0.0000	0.0000	0.0029	0.0036
Bias %	-1.47	0.98	-1.18	-0.39	-3.19	-1.96	-1.47	0.00
CV %	1.00	0.97	0.86	1.39	0.00	0.00	1.44	1.77

COMPLETE BREATH TEST: YES **ESS LOT#:** 103412 **EXP DATE:** 05/19/2014

INTERFERENCE TEST: YES **BATCH#:** 12058 **SIM#:** DR4807

ACETONE LOT#: 113751 **THERM#:** DR4807

INVALID SAMPLE: YES

REFERENCE BAROMETER S/N: 74003877

COMMENTS:

ZEPEDA
Technician Name

Signature

15:22 04/23/2013
Time/Date Procedure Completed

Witness Bergen 4-23-2013/15:40

Washington State Patrol Breath Test Program

DRAEGER ALCOTEST 9510 CALIBRATION/ADJUSTMENT RECORD

SERIAL NUMBER: ARAH-0091

SOFTWARE VER.: 8322798 0.6

CONFIG. VER.: 8322796 2.0

TECHNICIAN: RUTH CRAMER

TIME/DATE BEGAN: 13:32 04/23/2013

CALIBRATION ADJUSTMENT PERFORMED: YES

BATCH#: 12058 **REF VALUE:** 0.0816 **SIM#:** DR3069 **THERM#:** DR3069

CALIBRATION AS/FOUND PROCEDURE

Results Units g/210L

Simulator #	DR2049		DR3069		DR2049		DR4465	
Sim Thermometer #	DR2049		DR3069		DR2049		DR4465	
QAP Batch #	12047		12058		12050		T00014	
Reference Value	0.0408		0.0816		0.1534		0.2038	
Sim Temp 34.0°C ± 0.2°C Before?	YES		YES		YES		YES	
	IR	**EC**	**IR**	**EC**	**IR**	**EC**	**IR**	**EC**
1	0.041	0.041	0.081	0.081	0.148	0.148	0.205	0.206
2	0.040	0.041	0.081	0.082	0.152	0.152	0.207	0.209
3	0.041	0.041	0.081	0.082	0.153	0.154	0.207	0.210
4	0.040	0.041	0.081	0.082	0.154	0.156	0.208	0.211
5	0.040	0.041	0.081	0.082	0.154	0.156	0.207	0.211
Sim Temp 34.0°C ± 0.2°C After?	YES		YES		YES		YES	
Mean	0.0404	0.0410	0.0810	0.0818	0.1522	0.1532	0.2068	0.2094
SD	0.0005	0.0000	0.0000	0.0004	0.0025	0.0033	0.0011	0.0021
Bias %	-0.98	0.49	-0.74	0.25	-0.78	-0.13	1.47	2.75
CV %	1.24	0.00	0.00	0.49	1.64	2.15	0.53	1.00

COMPLETE BREATH TEST: YES **ESS LOT#:** 765817 **EXP DATE:** 05/06/2013

INTERFERENCE TEST: YES **BATCH#:** 12058 **SIM#:** DR3069

ACETONE LOT#: 113751 **THERM#:** DR3069

INVALID SAMPLE: YES

REFERENCE BAROMETER S/N: 74003877

COMMENTS:

RUTH CRAMER — Ruth Cramer — 15:15 04/23/2013

Technician Name — Signature — Time/Date Procedure Completed

4-23-13

Washington State Patrol Breath Test Program

DRAEGER ALCOTEST 9510 CALIBRATION/ADJUSTMENT RECORD

SERIAL NUMBER: ARAF-0023

SOFTWARE VER.: 8322798 0.6

CONFIG. VER.: 8322796 2.0

TECHNICIAN: WILLIAM BOGEN

TIME/DATE BEGAN: 13:26 04/23/2013

CALIBRATION ADJUSTMENT PERFORMED: YES

BATCH#: 12032 **REF VALUE:** 0.0812 **SIM#:** DR4971 **THERM#:** DR4971

CALIBRATION AS/FOUND PROCEDURE

Results Units g/210L

Simulator #	DR4971		DR4770		DR4971		DR4770	
Sim Thermometer #	DR4971		DR4770		DR4971		DR4770	
QAP Batch #	12032		12027		12034		12034	
Reference Value	0.0812		0.0401		0.1545		0.2038	
Sim Temp 34.0°C ± 0.2°C Before?	YES		YES		YES		YES	
	IR	**EC**	**IR**	**EC**	**IR**	**EC**	**IR**	**EC**
1	0.080	0.080	0.040	0.040	0.151	0.153	0.203	0.208
2	0.080	0.080	0.039	0.040	0.152	0.154	0.203	0.209
3	0.080	0.080	0.039	0.040	0.152	0.154	0.203	0.210
4	0.080	0.081	0.039	0.039	0.152	0.154	0.203	0.209
5	0.080	0.081	0.039	0.039	0.152	0.154	0.203	0.209
Sim Temp 34.0°C ± 0.2°C After?	YES		YES		YES		YES	
Mean	0.0800	0.0804	0.0392	0.0396	0.1518	0.1538	0.2030	0.2090
SD	0.0000	0.0005	0.0004	0.0005	0.0004	0.0004	0.0000	0.0007
Bias %	-1.48	-0.99	-2.24	-1.25	-1.75	-0.45	-0.39	2.55
CV %	0.00	0.62	1.02	1.26	0.26	0.26	0.00	0.33

COMPLETE BREATH TEST: YES **ESS LOT#:** 765817 **EXP DATE:** 05/06/2013

INTERFERENCE TEST: YES **BATCH#:** 12058 **SIM#:** DR4807

ACETONE LOT#: 113751 **THERM#:** DR4807

INVALID SAMPLE: YES

REFERENCE BAROMETER S/N: 74003877

COMMENTS:

WILLIAM BOGEN
Technician Name

William Bogen
Signature

15:21 04/23/2013
Time/Date Procedure Completed

Washington State Patrol Breath Test Program

DRAEGER ALCOTEST 9510 CALIBRATION/ADJUSTMENT RECORD

SERIAL NUMBER: ARAH-0100

SOFTWARE VER.: 8322798 0.6

CONFIG. VER.: 8322796 2.0

TECHNICIAN: OBRIEN/P/D

TIME/DATE BEGAN: 14:00 04/23/2013

CALIBRATION ADJUSTMENT PERFORMED: YES

BATCH#: 12058 **REF VALUE:** 0.0816 **SIM#:** DR4807 **THERM#:** DR4807

CALIBRATION AS/FOUND PROCEDURE

Results Units g/210L

Simulator #	DR4807		DR4524		DR4536		DR4524	
Sim Thermometer #	DR4807		DR4524		DR4536		DR4524	
QAP Batch #	12058		12057		12047		T00014	
Reference Value	0.0816		0.1522		0.0408		0.2038	
Sim Temp 34.0°C ± 0.2°C Before?	YES		YES		YES		YES	
	IR	**EC**	**IR**	**EC**	**IR**	**EC**	**IR**	**EC**
1	0.081	0.081	0.152	0.153	0.042	0.043	0.203	0.206
2	0.080	0.081	0.152	0.154	0.041	0.042	0.206	0.210
3	0.080	0.081	0.152	0.154	0.041	0.042	0.206	0.211
4	0.081	0.081	0.152	0.154	0.041	0.042	0.206	0.211
5	0.081	0.081	0.152	0.155	0.040	0.041	0.206	0.211
Sim Temp 34.0°C ± 0.2°C After?	YES		YES		YES		YES	
Mean	0.0806	0.0810	0.1520	0.1540	0.0410	0.0420	0.2054	0.2098
SD	0.0005	0.0000	0.0000	0.0007	0.0007	0.0007	0.0013	0.0022
Bias %	-1.23	-0.74	-0.13	1.18	0.49	2.94	0.79	2.94
CV %	0.62	0.00	0.00	0.45	1.71	1.67	0.63	1.05

COMPLETE BREATH TEST: YES **ESS LOT#:** 103412 **EXP DATE:** 05/19/2014

INTERFERENCE TEST: YES **BATCH#:** 12058 **SIM#:** DR4807

ACETONE LOT#: 113751 **THERM#:** DR4807

INVALID SAMPLE: YES

REFERENCE BAROMETER S/N: 74003877

COMMENTS:

OBRIEN/P/D — Technician Name

O'Brien — Signature

15:39 04/23/2013 — Time/Date Procedure Completed

William Bogen 16:19 / 4-23-2013