# TEST DOCUMENTS

# INSTRUMENT SERIAL NUMBER
# ARAH-0093

# BATCH D00001

## METHOD VALIDATION DRAEGER ALCOTEST 9510

DRAEGER ALCOTEST 9510 SERIAL NUMBER: ARAH-0093

DATE OF TESTS: 9/24/2013

| | I/R | E/C |
|---|---|---|
| **Simulator #:** | **DR4492** | **DR4492** |
| **Sim Therm#:** | **DR4492** | **DR4492** |
| **Batch#:** | **D00001** | **D00001** |
| **Reference Value:** | **0.0090** | **0.0090** |
| | 0.015 | 0.015 |
| | 0.011 | 0.011 |
| | 0.010 | 0.010 |
| | 0.010 | 0.009 |
| | 0.009 | 0.009 |
| | 0.009 | 0.009 |
| | 0.009 | 0.009 |
| | 0.009 | 0.009 |
| | 0.009 | 0.009 |
| | 0.009 | 0.009 |
| Mean: | 0.0100 | 0.0099 |
| SD: | 0.0019 | 0.0019 |
| Bias %: | 11.11 | 10.00 |
| CV %: | 19.00 | 19.19 |
| Mean-Ref. Value Difference: | 0.0010 | 0.0009 |

K. Denton 9/24/2013

NAME OF TECHNICIAN PERFORMING TESTS DATE

D. Jones 10/23/13

NAME OF TECHNICIAN REVIEWING RESULTS DATE

D1

DR4492

```
************************
      WASHINGTON
     ALCOTEST 9510

SERIAL NO.:      ARAH-0093
TEST NO.:            00206
DATE:           09/24/2013
************************
    SUPERVISOR TEST
************************
            g/210L    TIME
DIAGNOSTIC OK         10:23
AIR BLANK    0.000    10:23
EXT STD IR   0.015    10:23
EXT STD EC   0.015    10:23
AIR BLANK    0.000    10:25
EXT STD IR   0.011    10:25
EXT STD EC   0.011    10:25
AIR BLANK    0.000    10:26
EXT STD IR   0.010    10:27
EXT STD EC   0.010    10:27
AIR BLANK    0.000    10:28
EXT STD IR   0.010    10:28
EXT STD EC   0.009    10:28
AIR BLANK    0.000    10:30
EXT STD IR   0.009    10:30
EXT STD EC   0.009    10:30
AIR BLANK    0.000    10:31
EXT STD IR   0.009    10:32
EXT STD EC   0.009    10:32
AIR BLANK    0.000    10:33
EXT STD IR   0.009    10:33
EXT STD EC   0.009    10:33
AIR BLANK    0.000    10:34
EXT STD IR   0.009    10:35
EXT STD EC   0.009    10:35
AIR BLANK    0.000    10:36
EXT STD IR   0.009    10:36
EXT STD EC   0.009    10:36
AIR BLANK    0.000    10:38
EXT STD IR   0.009    10:38
EXT STD EC   0.009    10:38
AIR BLANK    0.000    10:39
DIAGNOSTIC OK         10:39
************************
OPERATOR SIGNATURE:
```

K Denton

## METHOD VALIDATION DRAEGER ALCOTEST 9510

DRAEGER ALCOTEST 9510 SERIAL NUMBER: ARAH-0093

DATE OF TESTS: 9/25/2013

| | I/R | E/C |
|---|---|---|
| Simulator #: | DR4492 | DR4492 |
| Sim Therm#: | DR4492 | DR4492 |
| Batch#: | D00001 | D00001 |
| Reference Value: | 0.0090 | 0.0090 |
| | 0.011 | 0.011 |
| | 0.011 | 0.010 |
| | 0.010 | 0.010 |
| | 0.010 | 0.010 |
| | 0.011 | 0.010 |
| | 0.010 | 0.010 |
| | 0.010 | 0.010 |
| | 0.010 | 0.010 |
| | 0.010 | 0.010 |
| | 0.010 | 0.010 |
| Mean: | 0.0103 | 0.0101 |
| SD: | 0.0005 | 0.0003 |
| Bias %: | 14.44 | 12.22 |
| CV %: | 4.85 | 2.97 |
| Mean-Ref. Value Difference: | 0.0013 | 0.0011 |

K. Denton — 9/25/13

NAME OF TECHNICIAN PERFORMING TESTS — DATE

D. Jones — 9/26/13

NAME OF TECHNICIAN REVIEWING RESULTS — DATE

D2

DR4492

```
**********************
WASHINGTON
ALCOTEST 9510

SERIAL NO.:      ARAH-0093
TEST NO.:            00217
DATE:          09/25/2013
**********************
SUPERVISOR TEST
**********************
                g/210L   TIME
DIAGNOSTIC OK            07:50
AIR BLANK       0.000    07:50
EXT STD IR      0.011    07:50
EXT STD EC      0.011    07:50
AIR BLANK       0.000    07:52
EXT STD IR      0.011    07:52
EXT STD EC      0.010    07:52
AIR BLANK       0.000    07:53
EXT STD IR      0.010    07:54
EXT STD EC      0.010    07:54
AIR BLANK       0.000    07:55
EXT STD IR      0.010    07:55
EXT STD EC      0.010    07:55
AIR BLANK       0.000    07:57
EXT STD IR      0.011    07:57
EXT STD EC      0.010    07:57
AIR BLANK       0.000    07:58
EXT STD IR      0.010    07:59
EXT STD EC      0.010    07:59
AIR BLANK       0.000    08:00
EXT STD IR      0.010    08:00
EXT STD EC      0.010    08:00
AIR BLANK       0.000    08:02
EXT STD IR      0.010    08:02
EXT STD EC      0.010    08:02
AIR BLANK       0.000    08:03
EXT STD IR      0.010    08:04
EXT STD EC      0.010    08:04
AIR BLANK       0.000    08:05
EXT STD IR      0.010    08:05
EXT STD EC      0.010    08:05
AIR BLANK       0.000    08:06
DIAGNOSTIC OK            08:07
**********************
OPERATOR SIGNATURE:
```

KD

## METHOD VALIDATION DRAEGER ALCOTEST 9510

DRAEGER ALCOTEST 9510 SERIAL NUMBER: ARAH-0093

DATE OF TESTS: 9/26/2013

| | I/R | E/C |
|---|---|---|
| Simulator #: | DR4492 | DR4492 |
| Sim Therm#: | DR4492 | DR4492 |
| Batch#: | D00001 | D00001 |
| Reference Value: | 0.0090 | 0.0090 |
| | 0.011 | 0.011 |
| | 0.011 | 0.011 |
| | 0.011 | 0.011 |
| | 0.011 | 0.011 |
| | 0.011 | 0.011 |
| | 0.011 | 0.011 |
| | 0.011 | 0.011 |
| | 0.011 | 0.011 |
| | 0.010 | 0.010 |
| | 0.011 | 0.011 |
| Mean: | 0.0109 | 0.0109 |
| SD: | 0.0003 | 0.0003 |
| Bias %: | 21.11 | 21.11 |
| CV %: | 2.75 | 2.75 |
| Mean-Ref. Value Difference: | 0.0019 | 0.0019 |

K. Denton — 9/26/13

NAME OF TECHNICIAN PERFORMING TESTS — DATE

D. Jones — 10/22/13

NAME OF TECHNICIAN REVIEWING RESULTS — DATE

DR4492

```
**********************
     WASHINGTON
   ALCOTEST 9510

SERIAL NO.:      ARAH-0093
TEST NO.:            00232
DATE:          09/26/2013
**********************
   SUPERVISOR TEST
**********************
              g/210L    TIME
DIAGNOSTIC OK           06:59
AIR BLANK     0.000     06:59
EXT STD IR    0.011     06:59
EXT STD EC    0.011     06:59
AIR BLANK     0.000     07:01
EXT STD IR    0.011     07:01
EXT STD EC    0.011     07:01
AIR BLANK     0.000     07:02
EXT STD IR    0.011     07:03
EXT STD EC    0.011     07:03
AIR BLANK     0.000     07:04
EXT STD IR    0.011     07:04
EXT STD EC    0.011     07:04
AIR BLANK     0.000     07:06
EXT STD IR    0.011     07:06
EXT STD EC    0.011     07:06
AIR BLANK     0.000     07:07
EXT STD IR    0.011     07:08
EXT STD EC    0.011     07:08
AIR BLANK     0.000     07:09
EXT STD IR    0.011     07:10
EXT STD EC    0.011     07:10
AIR BLANK     0.000     07:11
EXT STD IR    0.011     07:11
EXT STD EC    0.011     07:11
AIR BLANK     0.000     07:13
EXT STD IR    0.010     07:13
EXT STD EC    0.010     07:13
AIR BLANK     0.000     07:14
EXT STD IR    0.011     07:15
EXT STD EC    0.011     07:15
AIR BLANK     0.000     07:15
DIAGNOSTIC OK           07:16
**********************
OPERATOR SIGNATURE:
```

KTD

## METHOD VALIDATION DRAEGER ALCOTEST 9510

DRAEGER ALCOTEST 9510 SERIAL NUMBER: ARAH-0093

DATE OF TESTS: 9/27/2013

| | I/R | E/C |
|---|---|---|
| **Simulator #:** | **DR4492** | **DR4492** |
| **Sim Therm#:** | **DR4492** | **DR4492** |
| **Batch#:** | **D00001** | **D00001** |
| **Reference Value:** | **0.0090** | **0.0090** |
| | 0.015 | 0.015 |
| | 0.011 | 0.012 |
| | 0.011 | 0.011 |
| | 0.012 | 0.011 |
| | 0.012 | 0.011 |
| | 0.011 | 0.011 |
| | 0.011 | 0.010 |
| | 0.011 | 0.011 |
| | 0.011 | 0.011 |
| | 0.011 | 0.010 |
| Mean: | 0.0116 | 0.0113 |
| SD: | 0.0013 | 0.0014 |
| Bias %: | 28.89 | 25.56 |
| CV %: | 11.21 | 12.39 |
| Mean-Ref. Value Difference: | 0.0026 | 0.0023 |

K Denton — 9/27/13

NAME OF TECHNICIAN PERFORMING TESTS — DATE

D. Jones — 10/23/13

NAME OF TECHNICIAN REVIEWING RESULTS — DATE

D4

DR4492

```
**********************
WASHINGTON
ALCOTEST 9510

SERIAL NO.:      ARAH-0093
TEST NO.:            00241
DATE:          09/27/2013
**********************
SUPERVISOR TEST
**********************
                g/210L   TIME
DIAGNOSTIC OK            07:43
AIR BLANK       0.000    07:43
EXT STD IR      0.015    07:43
EXT STD EC      0.015    07:43
AIR BLANK       0.000    07:45
EXT STD IR      0.011    07:45
EXT STD EC      0.012    07:45
AIR BLANK       0.000    07:46
EXT STD IR      0.011    07:47
EXT STD EC      0.011    07:47
AIR BLANK       0.000    07:48
EXT STD IR      0.012    07:49
EXT STD EC      0.011    07:49
AIR BLANK       0.000    07:50
EXT STD IR      0.012    07:50
EXT STD EC      0.011    07:50
AIR BLANK       0.000    07:51
EXT STD IR      0.011    07:52
EXT STD EC      0.011    07:52
AIR BLANK       0.000    07:53
EXT STD IR      0.011    07:54
EXT STD EC      0.010    07:54
AIR BLANK       0.000    07:55
EXT STD IR      0.011    07:55
EXT STD EC      0.011    07:55
AIR BLANK       0.000    07:57
EXT STD IR      0.011    07:57
EXT STD EC      0.011    07:57
AIR BLANK       0.000    07:58
EXT STD IR      0.011    07:59
EXT STD EC      0.010    07:59
AIR BLANK       0.000    07:59
DIAGNOSTIC OK            08:00
**********************
OPERATOR SIGNATURE:
```

K Doff

## METHOD VALIDATION DRAEGER ALCOTEST 9510

DRAEGER ALCOTEST 9510 SERIAL NUMBER: ARAH-0093

DATE OF TESTS: 9/29/2013

| | I/R | E/C |
|---|---|---|
| **Simulator #:** | **DR4492** | **DR4492** |
| **Sim Therm#:** | **DR4492** | **DR4492** |
| **Batch#:** | **D00001** | **D00001** |
| **Reference Value:** | **0.0090** | **0.0090** |
| | 0.009 | 0.008 |
| | 0.009 | 0.009 |
| | 0.009 | 0.009 |
| | 0.009 | 0.009 |
| | 0.009 | 0.009 |
| | 0.009 | 0.009 |
| | 0.010 | 0.009 |
| | 0.009 | 0.009 |
| | 0.009 | 0.009 |
| | 0.009 | 0.009 |
| Mean: | 0.0091 | 0.0089 |
| SD: | 0.0003 | 0.0003 |
| Bias %: | 1.11 | -1.11 |
| CV %: | 3.30 | 3.37 |
| Mean-Ref. Value Difference: | 0.0001 | -1E-04 |

K. Denton — 9/29/13

NAME OF TECHNICIAN PERFORMING TESTS — DATE

D. Jones — 10/23/13

NAME OF TECHNICIAN REVIEWING RESULTS — DATE

05

DR4492

```
*************************
      WASHINGTON
    ALCOTEST 9510

SERIAL NO.:      ARAH-0093
TEST NO.:            00251
DATE:           09/29/2013
*************************
    SUPERVISOR TEST
*************************
              g/210L    TIME
DIAGNOSTIC OK           08:58
AIR BLANK     0.000     08:58
EXT STD IR    0.009     08:58
EXT STD EC    0.008     08:58
AIR BLANK     0.000     08:59
EXT STD IR    0.009     09:00
EXT STD EC    0.009     09:00
AIR BLANK     0.000     09:01
EXT STD IR    0.009     09:01
EXT STD EC    0.009     09:01
AIR BLANK     0.000     09:03
EXT STD IR    0.009     09:03
EXT STD EC    0.009     09:03
AIR BLANK     0.000     09:04
EXT STD IR    0.009     09:05
EXT STD EC    0.009     09:05
AIR BLANK     0.000     09:06
EXT STD IR    0.009     09:06
EXT STD EC    0.009     09:06
AIR BLANK     0.000     09:08
EXT STD IR    0.010     09:08
EXT STD EC    0.009     09:08
AIR BLANK     0.000     09:09
EXT STD IR    0.009     09:10
EXT STD EC    0.009     09:10
AIR BLANK     0.000     09:11
EXT STD IR    0.009     09:11
EXT STD EC    0.009     09:11
AIR BLANK     0.000     09:12
EXT STD IR    0.009     09:13
EXT STD EC    0.009     09:13
AIR BLANK     0.000     09:13
DIAGNOSTIC OK           09:14
*************************
OPERATOR SIGNATURE:
```

K Rd

# TEST DOCUMENTS

# INSTRUMENT SERIAL NUMBER
# ARAH-0093

# BATCH D00002

## METHOD VALIDATION DRAEGER ALCOTEST 9510

DRAEGER ALCOTEST 9510 SERIAL NUMBER: ARAH-0093

DATE OF TESTS: 9/24/2013

| | I/R | E/C |
|---|---|---|
| Simulator #: | DR4492 | DR4492 |
| Sim Therm#: | DR4492 | DR4492 |
| Batch#: | D00002 | D00002 |
| Reference Value: | 0.0147 | 0.0147 |
| | 0.014 | 0.014 |
| | 0.014 | 0.014 |
| | 0.014 | 0.014 |
| | 0.014 | 0.014 |
| | 0.014 | 0.014 |
| | 0.014 | 0.014 |
| | 0.014 | 0.014 |
| | 0.014 | 0.014 |
| | 0.014 | 0.014 |
| | 0.014 | 0.014 |
| Mean: | 0.0140 | 0.0140 |
| SD: | 0.0000 | 0.0000 |
| Bias %: | -4.76 | -4.76 |
| CV %: | 0.00 | 0.00 |
| Mean-Ref. Value Difference: | -0.0007 | -0.0007 |

K. Denton — 9/24/2013

NAME OF TECHNICIAN PERFORMING TESTS — DATE

D. Jones — 10/23/2013

NAME OF TECHNICIAN REVIEWING RESULTS — DATE

D1

DR4492

```
************************
     WASHINGTON
   ALCOTEST 9510

SERIAL NO.:      ARAH-0093
TEST NO.:            00207
DATE:          09/24/2013
************************
   SUPERVISOR TEST
************************
              g/210L    TIME
DIAGNOSTIC OK           11:18
AIR BLANK     0.000     11:18
EXT STD IR    0.014     11:18
EXT STD EC    0.014     11:18
AIR BLANK     0.000     11:20
EXT STD IR    0.014     11:20
EXT STD EC    0.014     11:20
AIR BLANK     0.000     11:21
EXT STD IR    0.014     11:22
EXT STD EC    0.014     11:22
AIR BLANK     0.000     11:23
EXT STD IR    0.014     11:24
EXT STD EC    0.014     11:24
AIR BLANK     0.000     11:25
EXT STD IR    0.014     11:25
EXT STD EC    0.014     11:25
AIR BLANK     0.000     11:27
EXT STD IR    0.014     11:27
EXT STD EC    0.014     11:27
AIR BLANK     0.000     11:28
EXT STD IR    0.014     11:29
EXT STD EC    0.014     11:29
AIR BLANK     0.000     11:30
EXT STD IR    0.014     11:30
EXT STD EC    0.014     11:30
AIR BLANK     0.000     11:32
EXT STD IR    0.014     11:32
EXT STD EC    0.014     11:32
AIR BLANK     0.000     11:33
EXT STD IR    0.014     11:34
EXT STD EC    0.014     11:34
AIR BLANK     0.000     11:34
DIAGNOSTIC OK           11:35
************************
OPERATOR SIGNATURE:
K. Denton
```

## METHOD VALIDATION DRAEGER ALCOTEST 9510

DRAEGER ALCOTEST 9510 SERIAL NUMBER: ARAH-0093

DATE OF TESTS: 9/25/2013

| | I/R | E/C |
|---|---|---|
| **Simulator #:** | **DR4492** | **DR4492** |
| **Sim Therm#:** | **DR4492** | **DR4492** |
| **Batch#:** | **D00002** | **D00002** |
| **Reference Value:** | **0.0147** | **0.0147** |
| | 0.014 | 0.013 |
| | 0.014 | 0.013 |
| | 0.014 | 0.013 |
| | 0.014 | 0.014 |
| | 0.014 | 0.014 |
| | 0.014 | 0.013 |
| | 0.014 | 0.013 |
| | 0.014 | 0.014 |
| | 0.014 | 0.014 |
| | 0.014 | 0.013 |
| Mean: | 0.0140 | 0.0134 |
| SD: | 0.0000 | 0.0005 |
| Bias %: | -4.76 | -8.84 |
| CV %: | 0.00 | 3.73 |
| Mean-Ref. Value Difference: | -0.0007 | -0.0013 |

K. Denton — 9/25/13

NAME OF TECHNICIAN PERFORMING TESTS — DATE

D. Jones — 9/26/13

NAME OF TECHNICIAN REVIEWING RESULTS — DATE

D2 DR4492

**********

WASHINGTON
ALCOTEST 9510

SERIAL NO.: ARAH-0093
TEST NO.: 00218
DATE: 09/25/2013

**********

SUPERVISOR TEST

**********

| | g/210L | TIME |
|---|---|---|
| DIAGNOSTIC | OK | 09:02 |
| AIR BLANK | 0.000 | 09:02 |
| EXT STD IR | 0.014 | 09:03 |
| EXT STD EC | 0.013 | 09:03 |
| AIR BLANK | 0.000 | 09:04 |
| EXT STD IR | 0.014 | 09:04 |
| EXT STD EC | 0.013 | 09:04 |
| AIR BLANK | 0.000 | 09:06 |
| EXT STD IR | 0.014 | 09:06 |
| EXT STD EC | 0.013 | 09:06 |
| AIR BLANK | 0.000 | 09:07 |
| EXT STD IR | 0.014 | 09:08 |
| EXT STD EC | 0.014 | 09:08 |
| AIR BLANK | 0.000 | 09:09 |
| EXT STD IR | 0.014 | 09:09 |
| EXT STD EC | 0.014 | 09:09 |
| AIR BLANK | 0.000 | 09:11 |
| EXT STD IR | 0.014 | 09:11 |
| EXT STD EC | 0.013 | 09:11 |
| AIR BLANK | 0.000 | 09:12 |
| EXT STD IR | 0.014 | 09:13 |
| EXT STD EC | 0.013 | 09:13 |
| AIR BLANK | 0.000 | 09:14 |
| EXT STD IR | 0.014 | 09:15 |
| EXT STD EC | 0.014 | 09:15 |
| AIR BLANK | 0.000 | 09:16 |
| EXT STD IR | 0.014 | 09:16 |
| EXT STD EC | 0.014 | 09:16 |
| AIR BLANK | 0.000 | 09:18 |
| EXT STD IR | 0.014 | 09:18 |
| EXT STD EC | 0.013 | 09:18 |
| AIR BLANK | 0.000 | 09:19 |
| DIAGNOSTIC | OK | 09:19 |

**********

OPERATOR SIGNATURE:

K. Denton

## METHOD VALIDATION DRAEGER ALCOTEST 9510

DRAEGER ALCOTEST 9510 SERIAL NUMBER: ARAH-0093

DATE OF TESTS: 9/26/2013

| | I/R | E/C |
|---|---|---|
| **Simulator #:** | **DR4492** | **DR4492** |
| **Sim Therm#:** | **DR4492** | **DR4492** |
| **Batch#:** | **D00002** | **D00002** |
| **Reference Value:** | **0.0147** | **0.0147** |
| | 0.014 | 0.014 |
| | 0.014 | 0.014 |
| | 0.014 | 0.014 |
| | 0.014 | 0.014 |
| | 0.014 | 0.014 |
| | 0.014 | 0.014 |
| | 0.015 | 0.014 |
| | 0.014 | 0.014 |
| | 0.014 | 0.014 |
| | 0.015 | 0.014 |
| Mean: | 0.0142 | 0.0140 |
| SD: | 0.0004 | 0.0000 |
| Bias %: | -3.40 | -4.76 |
| CV %: | 2.82 | 0.00 |
| Mean-Ref. Value Difference: | -0.0005 | -0.0007 |

D3 DR4492

```
************************
      WASHINGTON
     ALCOTEST 9510

SERIAL NO.:      ARAH-0093
TEST NO.:            00233
DATE:           09/26/2013
************************
    SUPERVISOR TEST
************************
              g/210L    TIME
DIAGNOSTIC OK           07:43
AIR BLANK     0.000     07:43
EXT STD IR    0.014     07:44
EXT STD EC    0.014     07:44
AIR BLANK     0.000     07:45
EXT STD IR    0.014     07:45
EXT STD EC    0.014     07:45
AIR BLANK     0.000     07:47
EXT STD IR    0.014     07:47
EXT STD EC    0.014     07:47
AIR BLANK     0.000     07:48
EXT STD IR    0.014     07:49
EXT STD EC    0.014     07:49
AIR BLANK     0.000     07:50
EXT STD IR    0.014     07:50
EXT STD EC    0.014     07:50
AIR BLANK     0.000     07:52
EXT STD IR    0.014     07:52
EXT STD EC    0.014     07:52
AIR BLANK     0.000     07:53
EXT STD IR    0.015     07:54
EXT STD EC    0.014     07:54
AIR BLANK     0.000     07:55
EXT STD IR    0.014     07:56
EXT STD EC    0.014     07:56
AIR BLANK     0.000     07:57
EXT STD IR    0.014     07:57
EXT STD EC    0.014     07:57
AIR BLANK     0.000     07:59
EXT STD IR    0.015     07:59
EXT STD EC    0.014     07:59
AIR BLANK     0.000     08:00
DIAGNOSTIC OK           08:00
************************
OPERATOR SIGNATURE:
```

K. Denton 9/26/13

NAME OF TECHNICIAN PERFORMING TESTS DATE

D. Jones D Jones 9-26-13

NAME OF TECHNICIAN REVIEWING RESULTS DATE

## METHOD VALIDATION DRAEGER ALCOTEST 9510

DRAEGER ALCOTEST 9510 SERIAL NUMBER: ARAH-0093

DATE OF TESTS: 9/27/2013

| | I/R | E/C |
|---|---|---|
| **Simulator #:** | **DR4492** | **DR4492** |
| **Sim Therm#:** | **DR4492** | **DR4492** |
| **Batch#:** | **D00002** | **D00002** |
| **Reference Value:** | **0.0147** | **0.0147** |
| | 0.013 | 0.013 |
| | 0.014 | 0.013 |
| | 0.014 | 0.014 |
| | 0.014 | 0.013 |
| | 0.014 | 0.014 |
| | 0.014 | 0.014 |
| | 0.014 | 0.014 |
| | 0.014 | 0.014 |
| | 0.014 | 0.014 |
| | 0.014 | 0.014 |
| Mean: | 0.0139 | 0.0137 |
| SD: | 0.0003 | 0.0005 |
| Bias %: | -5.44 | -6.80 |
| CV %: | 2.16 | 3.65 |
| Mean-Ref. Value Difference: | -0.0008 | -0.001 |

K Denton 9/27/13

NAME OF TECHNICIAN PERFORMING TESTS DATE

D. Jones 10/23/13

NAME OF TECHNICIAN REVIEWING RESULTS DATE

D4

DR4492

```
************************
      WASHINGTON
     ALCOTEST 9510

SERIAL NO.:      ARAH-0093
TEST NO.:            00242
DATE:           09/27/2013
************************
    SUPERVISOR TEST
************************
              g/210L    TIME
DIAGNOSTIC OK          08:08
AIR BLANK    0.000     08:08
EXT STD IR   0.013     08:08
EXT STD EC   0.013     08:08
AIR BLANK    0.000     08:09
EXT STD IR   0.014     08:10
EXT STD EC   0.013     08:10
AIR BLANK    0.000     08:11
EXT STD IR   0.014     08:11
EXT STD EC   0.014     08:11
AIR BLANK    0.000     08:13
EXT STD IR   0.014     08:13
EXT STD EC   0.013     08:13
AIR BLANK    0.000     08:14
EXT STD IR   0.014     08:15
EXT STD EC   0.014     08:15
AIR BLANK    0.000     08:16
EXT STD IR   0.014     08:17
EXT STD EC   0.014     08:17
AIR BLANK    0.000     08:18
EXT STD IR   0.014     08:18
EXT STD EC   0.014     08:18
AIR BLANK    0.000     08:20
EXT STD IR   0.014     08:20
EXT STD EC   0.014     08:20
AIR BLANK    0.000     08:21
EXT STD IR   0.014     08:22
EXT STD EC   0.014     08:22
AIR BLANK    0.000     08:23
EXT STD IR   0.014     08:23
EXT STD EC   0.014     08:23
AIR BLANK    0.000     08:24
DIAGNOSTIC OK          08:25
************************
OPERATOR SIGNATURE:
```

K Denton

## METHOD VALIDATION DRAEGER ALCOTEST 9510

DRAEGER ALCOTEST 9510 SERIAL NUMBER: ARAH-0093

DATE OF TESTS: 9/29/2013

| | I/R | E/C |
|---|---|---|
| **Simulator #:** | **DR4492** | **DR4492** |
| **Sim Therm#:** | **DR4492** | **DR4492** |
| **Batch#:** | **D00002** | **D00002** |
| **Reference Value:** | **0.0147** | **0.0147** |
| | 0.015 | 0.014 |
| | 0.015 | 0.014 |
| | 0.015 | 0.014 |
| | 0.015 | 0.014 |
| | 0.015 | 0.015 |
| | 0.015 | 0.015 |
| | 0.015 | 0.015 |
| | 0.015 | 0.015 |
| | 0.015 | 0.015 |
| | 0.015 | 0.015 |
| Mean: | 0.0150 | 0.0146 |
| SD: | 0.0000 | 0.0005 |
| Bias %: | 2.04 | -0.68 |
| CV %: | 0.00 | 3.42 |
| Mean-Ref. Value Difference: | 0.0003 | -1E-04 |

K. Denton 9/29/13

NAME OF TECHNICIAN PERFORMING TESTS DATE

D. Jones 10/23/13

NAME OF TECHNICIAN REVIEWING RESULTS DATE

D5

DR4492

```
************************
      WASHINGTON
     ALCOTEST 9510

SERIAL NO.:      ARAH-0093
TEST NO.:            00252
DATE:           09/29/2013
************************
    SUPERVISOR TEST
************************
                g/210L    TIME
DIAGNOSTIC OK             09:26
AIR BLANK       0.000     09:26
EXT STD IR      0.015     09:26
EXT STD EC      0.014     09:26
AIR BLANK       0.000     09:28
EXT STD IR      0.015     09:28
EXT STD EC      0.014     09:28
AIR BLANK       0.000     09:29
EXT STD IR      0.015     09:30
EXT STD EC      0.014     09:30
AIR BLANK       0.000     09:31
EXT STD IR      0.015     09:31
EXT STD EC      0.014     09:31
AIR BLANK       0.000     09:33
EXT STD IR      0.015     09:33
EXT STD EC      0.015     09:33
AIR BLANK       0.000     09:34
EXT STD IR      0.015     09:35
EXT STD EC      0.015     09:35
AIR BLANK       0.000     09:36
EXT STD IR      0.015     09:37
EXT STD EC      0.015     09:37
AIR BLANK       0.000     09:38
EXT STD IR      0.015     09:38
EXT STD EC      0.015     09:38
AIR BLANK       0.000     09:40
EXT STD IR      0.015     09:40
EXT STD EC      0.015     09:40
AIR BLANK       0.000     09:41
EXT STD IR      0.015     09:42
EXT STD EC      0.015     09:42
AIR BLANK       0.000     09:42
DIAGNOSTIC OK             09:43
************************
OPERATOR SIGNATURE:
```

KDd

# TEST DOCUMENTS

# INSTRUMENT SERIAL NUMBER
# ARAH-0093

# BATCH D00003

## METHOD VALIDATION DRAEGER ALCOTEST 9510

DRAEGER ALCOTEST 9510 SERIAL NUMBER: ARAH-0093

DATE OF TESTS: 9/24/2013

| | I/R | E/C |
|---|---|---|
| **Simulator #:** | DR4492 | DR4492 |
| **Sim Therm#:** | DR4492 | DR4492 |
| **Batch#:** | D00003 | D00003 |
| **Reference Value:** | 0.0204 | 0.0204 |
| | 0.016 | 0.015 |
| | 0.017 | 0.016 |
| | 0.017 | 0.017 |
| | 0.018 | 0.017 |
| | 0.018 | 0.017 |
| | 0.017 | 0.017 |
| | 0.018 | 0.017 |
| | 0.018 | 0.017 |
| | 0.018 | 0.017 |
| | 0.018 | 0.017 |
| Mean: | 0.0175 | 0.0167 |
| SD: | 0.0007 | 0.0007 |
| Bias %: | -14.22 | -18.14 |
| CV %: | 4.00 | 4.19 |
| Mean-Ref. Value Difference: | -0.0029 | -0.0037 |

K. Denton 9/24/2013

NAME OF TECHNICIAN PERFORMING TESTS DATE

D. Jones 10/23/2013

NAME OF TECHNICIAN REVIEWING RESULTS DATE

D1 DR4492

```
************************
      WASHINGTON
     ALCOTEST 9510

SERIAL NO.:      ARAH-0093
TEST NO.:            00208
DATE:           09/24/2013
************************
    SUPERVISOR TEST
************************
            g/210L    TIME
DIAGNOSTIC OK         11:54
AIR BLANK    0.000    11:54
EXT STD IR   0.016    11:54
EXT STD EC   0.015    11:54
AIR BLANK    0.000    11:56
EXT STD IR   0.017    11:56
EXT STD EC   0.016    11:56
AIR BLANK    0.000    11:57
EXT STD IR   0.017    11:58
EXT STD EC   0.017    11:58
AIR BLANK    0.000    11:59
EXT STD IR   0.018    12:00
EXT STD EC   0.017    12:00
AIR BLANK    0.000    12:01
EXT STD IR   0.018    12:01
EXT STD EC   0.017    12:01
AIR BLANK    0.000    12:03
EXT STD IR   0.017    12:03
EXT STD EC   0.017    12:03
AIR BLANK    0.000    12:04
EXT STD IR   0.018    12:05
EXT STD EC   0.017    12:05
AIR BLANK    0.000    12:06
EXT STD IR   0.018    12:06
EXT STD EC   0.017    12:06
AIR BLANK    0.000    12:08
EXT STD IR   0.018    12:08
EXT STD EC   0.017    12:08
AIR BLANK    0.000    12:09
EXT STD IR   0.018    12:10
EXT STD EC   0.017    12:10
AIR BLANK    0.000    12:10
DIAGNOSTIC OK         12:11
************************
OPERATOR SIGNATURE:
K. Dt
```

## METHOD VALIDATION DRAEGER ALCOTEST 9510

DRAEGER ALCOTEST 9510 SERIAL NUMBER: ARAH-0093

DATE OF TESTS: 9/25/2013

| | I/R | E/C |
|---|---|---|
| **Simulator #:** | **DR4492** | **DR4492** |
| **Sim Therm#:** | **DR4492** | **DR4492** |
| **Batch#:** | **D00003** | **D00003** |
| **Reference Value:** | **0.0204** | **0.0204** |
| | 0.020 | 0.019 |
| | 0.021 | 0.019 |
| | 0.020 | 0.019 |
| | 0.021 | 0.019 |
| | 0.020 | 0.019 |
| | 0.020 | 0.019 |
| | 0.020 | 0.020 |
| | 0.020 | 0.019 |
| | 0.020 | 0.019 |
| | 0.020 | 0.019 |
| Mean: | 0.0202 | 0.0191 |
| SD: | 0.0004 | 0.0003 |
| Bias %: | -0.98 | -6.37 |
| CV %: | 1.98 | 1.57 |
| Mean-Ref. Value Difference: | -0.0002 | -0.0013 |

K. Denton — 9/25/13

NAME OF TECHNICIAN PERFORMING TESTS — DATE

D. Jones — 9/26/13

NAME OF TECHNICIAN REVIEWING RESULTS — DATE

D2 DR4492

```
**********************
WASHINGTON
ALCOTEST 9510

SERIAL NO.:      ARAH-0093
TEST NO.:            00219
DATE:          09/25/2013
**********************
SUPERVISOR TEST
**********************
                g/210L   TIME
DIAGNOSTIC OK            09:48
AIR BLANK       0.000    09:49
EXT STD IR      0.020    09:49
EXT STD EC      0.019    09:49
AIR BLANK       0.000    09:50
EXT STD IR      0.021    09:51
EXT STD EC      0.019    09:51
AIR BLANK       0.000    09:52
EXT STD IR      0.020    09:52
EXT STD EC      0.019    09:52
AIR BLANK       0.000    09:54
EXT STD IR      0.021    09:54
EXT STD EC      0.019    09:54
AIR BLANK       0.000    09:56
EXT STD IR      0.020    09:56
EXT STD EC      0.019    09:56
AIR BLANK       0.000    09:57
EXT STD IR      0.020    09:58
EXT STD EC      0.019    09:58
AIR BLANK       0.000    09:59
EXT STD IR      0.020    09:59
EXT STD EC      0.020    09:59
AIR BLANK       0.000    10:01
EXT STD IR      0.020    10:01
EXT STD EC      0.019    10:01
AIR BLANK       0.000    10:02
EXT STD IR      0.020    10:03
EXT STD EC      0.019    10:03
AIR BLANK       0.000    10:04
EXT STD IR      0.020    10:05
EXT STD EC      0.019    10:05
AIR BLANK       0.000    10:05
DIAGNOSTIC OK            10:06
**********************
OPERATOR SIGNATURE:
KRD
```

## METHOD VALIDATION DRAEGER ALCOTEST 9510

DRAEGER ALCOTEST 9510 SERIAL NUMBER: ARAH-0093

DATE OF TESTS: 9/26/2013

| | I/R | E/C |
|---|---|---|
| **Simulator #:** | **DR4492** | **DR4492** |
| **Sim Therm#:** | **DR4492** | **DR4492** |
| **Batch#:** | **D00003** | **D00003** |
| **Reference Value:** | **0.0204** | **0.0204** |
| | 0.020 | 0.020 |
| | 0.020 | 0.020 |
| | 0.021 | 0.020 |
| | 0.021 | 0.020 |
| | 0.021 | 0.020 |
| | 0.021 | 0.020 |
| | 0.021 | 0.020 |
| | 0.021 | 0.020 |
| | 0.021 | 0.020 |
| | 0.021 | 0.020 |
| Mean: | 0.0208 | 0.0200 |
| SD: | 0.0004 | 0.0000 |
| Bias %: | 1.96 | -1.96 |
| CV %: | 1.92 | 0.00 |
| Mean-Ref. Value Difference: | 0.0004 | -0.0004 |

K. Denton — 9/26/13

NAME OF TECHNICIAN PERFORMING TESTS — DATE

D. Jones D. Jones — 9-26-13

NAME OF TECHNICIAN REVIEWING RESULTS — DATE

D3 DR4492

```
*************************
      WASHINGTON
    ALCOTEST 9510

SERIAL NO.:      ARAH-0093
TEST NO.:            00234
DATE:          09/26/2013
*************************
    SUPERVISOR TEST
*************************
              g/210L    TIME
DIAGNOSTIC OK           08:15
AIR BLANK     0.000     08:15
EXT STD IR    0.020     08:16
EXT STD EC    0.020     08:16
AIR BLANK     0.000     08:17
EXT STD IR    0.020     08:18
EXT STD EC    0.020     08:18
AIR BLANK     0.000     08:19
EXT STD IR    0.021     08:19
EXT STD EC    0.020     08:19
AIR BLANK     0.000     08:21
EXT STD IR    0.021     08:21
EXT STD EC    0.020     08:21
AIR BLANK     0.000     08:22
EXT STD IR    0.021     08:23
EXT STD EC    0.020     08:23
AIR BLANK     0.000     08:24
EXT STD IR    0.021     08:25
EXT STD EC    0.020     08:25
AIR BLANK     0.000     08:26
EXT STD IR    0.021     08:26
EXT STD EC    0.020     08:26
AIR BLANK     0.000     08:28
EXT STD IR    0.021     08:28
EXT STD EC    0.020     08:28
AIR BLANK     0.000     08:29
EXT STD IR    0.021     08:30
EXT STD EC    0.020     08:30
AIR BLANK     0.000     08:31
EXT STD IR    0.021     08:32
EXT STD EC    0.020     08:32
AIR BLANK     0.000     08:32
DIAGNOSTIC OK           08:33
*************************
OPERATOR SIGNATURE:
```

KDH

## METHOD VALIDATION DRAEGER ALCOTEST 9510

DRAEGER ALCOTEST 9510 SERIAL NUMBER: ARAH-0093

DATE OF TESTS: 9/27/2013

| | I/R | E/C |
|---|---|---|
| **Simulator #:** | **DR4492** | **DR4492** |
| **Sim Therm#:** | **DR4492** | **DR4492** |
| **Batch#:** | **D00003** | **D00003** |
| **Reference Value:** | **0.0204** | **0.0204** |
| | 0.019 | 0.019 |
| | 0.020 | 0.019 |
| | 0.020 | 0.019 |
| | 0.020 | 0.019 |
| | 0.020 | 0.020 |
| | 0.021 | 0.020 |
| | 0.021 | 0.020 |
| | 0.020 | 0.020 |
| | 0.020 | 0.020 |
| | 0.020 | 0.020 |
| Mean: | 0.0201 | 0.0196 |
| SD: | 0.0006 | 0.0005 |
| Bias %: | -1.47 | -3.92 |
| CV %: | 2.99 | 2.55 |
| Mean-Ref. Value Difference: | -0.0003 | -0.0008 |

K Dertan — 9/27/13

NAME OF TECHNICIAN PERFORMING TESTS — DATE

D. Jones — 10/23/13

NAME OF TECHNICIAN REVIEWING RESULTS — DATE

D4 DR4492

```
************************
     WASHINGTON
   ALCOTEST 9510

SERIAL NO.:      ARAH-0093
TEST NO.:            00243
DATE:          09/27/2013
************************
    SUPERVISOR TEST
************************
              g/210L   TIME
DIAGNOSTIC OK          08:31
AIR BLANK    0.000     08:31
EXT STD IR   0.019     08:32
EXT STD EC   0.019     08:32
AIR BLANK    0.000     08:33
EXT STD IR   0.020     08:34
EXT STD EC   0.019     08:34
AIR BLANK    0.000     08:35
EXT STD IR   0.020     08:35
EXT STD EC   0.019     08:35
AIR BLANK    0.000     08:37
EXT STD IR   0.020     08:37
EXT STD EC   0.019     08:37
AIR BLANK    0.000     08:38
EXT STD IR   0.020     08:39
EXT STD EC   0.020     08:39
AIR BLANK    0.000     08:40
EXT STD IR   0.021     08:41
EXT STD EC   0.020     08:41
AIR BLANK    0.000     08:42
EXT STD IR   0.021     08:42
EXT STD EC   0.020     08:42
AIR BLANK    0.000     08:44
EXT STD IR   0.020     08:44
EXT STD EC   0.020     08:44
AIR BLANK    0.000     08:45
EXT STD IR   0.020     08:46
EXT STD EC   0.020     08:46
AIR BLANK    0.000     08:47
EXT STD IR   0.020     08:48
EXT STD EC   0.020     08:48
AIR BLANK    0.000     08:48
DIAGNOSTIC OK          08:49
************************
OPERATOR SIGNATURE:
```

K Dert

## METHOD VALIDATION DRAEGER ALCOTEST 9510

DRAEGER ALCOTEST 9510 SERIAL NUMBER: ARAH-0093

DATE OF TESTS: 9/29/2013

| | I/R | E/C |
|---|---|---|
| **Simulator #:** | **DR4492** | **DR4492** |
| **Sim Therm#:** | **DR4492** | **DR4492** |
| **Batch#:** | **D00003** | **D00003** |
| **Reference Value:** | **0.0204** | **0.0204** |
| | 0.019 | 0.019 |
| | 0.020 | 0.019 |
| | 0.019 | 0.019 |
| | 0.020 | 0.019 |
| | 0.020 | 0.020 |
| | 0.020 | 0.020 |
| | 0.020 | 0.019 |
| | 0.020 | 0.020 |
| | 0.020 | 0.020 |
| | 0.021 | 0.020 |
| Mean: | 0.0199 | 0.0195 |
| SD: | 0.0006 | 0.0005 |
| Bias %: | -2.45 | -4.41 |
| CV %: | 3.02 | 2.56 |
| Mean-Ref. Value Difference: | -0.0005 | -0.0009 |

K. Denton 9/29/13

NAME OF TECHNICIAN PERFORMING TESTS DATE

D. Jones 10/23/13

NAME OF TECHNICIAN REVIEWING RESULTS DATE

D5 DR4492

```
************************
      WASHINGTON
    ALCOTEST 9510

SERIAL NO.:      ARAH-0093
TEST NO.:            00253
DATE:           09/29/2013
************************
    SUPERVISOR TEST
************************
            g/210L    TIME
DIAGNOSTIC OK         09:57
AIR BLANK    0.000    09:57
EXT STD IR   0.019    09:57
EXT STD EC   0.019    09:57
AIR BLANK    0.000    09:58
EXT STD IR   0.020    09:59
EXT STD EC   0.019    09:59
AIR BLANK    0.000    10:00
EXT STD IR   0.019    10:01
EXT STD EC   0.019    10:01
AIR BLANK    0.000    10:02
EXT STD IR   0.020    10:02
EXT STD EC   0.019    10:02
AIR BLANK    0.000    10:04
EXT STD IR   0.020    10:04
EXT STD EC   0.020    10:04
AIR BLANK    0.000    10:05
EXT STD IR   0.020    10:06
EXT STD EC   0.020    10:06
AIR BLANK    0.000    10:07
EXT STD IR   0.020    10:08
EXT STD EC   0.019    10:08
AIR BLANK    0.000    10:09
EXT STD IR   0.020    10:09
EXT STD EC   0.020    10:09
AIR BLANK    0.000    10:11
EXT STD IR   0.020    10:11
EXT STD EC   0.020    10:11
AIR BLANK    0.000    10:12
EXT STD IR   0.021    10:13
EXT STD EC   0.020    10:13
AIR BLANK    0.000    10:13
DIAGNOSTIC OK         10:14
************************
OPERATOR SIGNATURE:
```

# TEST DOCUMENTS

# INSTRUMENT SERIAL NUMBER
# ARAH-0093

# BATCH D00004

## METHOD VALIDATION DRAEGER ALCOTEST 9510

DRAEGER ALCOTEST 9510 SERIAL NUMBER: ARAH-0093

DATE OF TESTS: 9/24/2013

| | I/R | E/C |
|---|---|---|
| Simulator #: | DR4492 | DR4492 |
| Sim Therm#: | DR4492 | DR4492 |
| Batch#: | D00004 | D00004 |
| Reference Value: | 0.0408 | 0.0408 |
| | 0.041 | 0.040 |
| | 0.041 | 0.040 |
| | 0.041 | 0.040 |
| | 0.041 | 0.040 |
| | 0.040 | 0.040 |
| | 0.041 | 0.040 |
| | 0.040 | 0.040 |
| | 0.040 | 0.039 |
| | 0.040 | 0.039 |
| | 0.040 | 0.039 |
| Mean: | 0.0405 | 0.0397 |
| SD: | 0.0005 | 0.0005 |
| Bias %: | -0.74 | -2.70 |
| CV %: | 1.23 | 1.26 |
| Mean-Ref. Value Difference: | -0.0003 | -0.0011 |

K. Denton — 9/24/13

NAME OF TECHNICIAN PERFORMING TESTS — DATE

D. Jones — 10/23/13

NAME OF TECHNICIAN REVIEWING RESULTS — DATE

D1

DR4492

```
************************
     WASHINGTON
   ALCOTEST 9510

SERIAL NO.:      ARAH-0093
TEST NO.:            00210
DATE:          09/24/2013
************************
   SUPERVISOR TEST
************************
              g/210L    TIME
DIAGNOSTIC OK           13:10
AIR BLANK     0.000     13:10
EXT STD IR    0.041     13:11
EXT STD EC    0.040     13:11
AIR BLANK     0.000     13:12
EXT STD IR    0.041     13:13
EXT STD EC    0.040     13:13
AIR BLANK     0.000     13:14
EXT STD IR    0.041     13:14
EXT STD EC    0.040     13:14
AIR BLANK     0.000     13:16
EXT STD IR    0.041     13:16
EXT STD EC    0.040     13:16
AIR BLANK     0.000     13:18
EXT STD IR    0.040     13:18
EXT STD EC    0.040     13:18
AIR BLANK     0.000     13:19
EXT STD IR    0.041     13:20
EXT STD EC    0.040     13:20
AIR BLANK     0.000     13:21
EXT STD IR    0.040     13:22
EXT STD EC    0.040     13:22
AIR BLANK     0.000     13:23
EXT STD IR    0.040     13:24
EXT STD EC    0.039     13:24
AIR BLANK     0.000     13:25
EXT STD IR    0.040     13:25
EXT STD EC    0.039     13:25
AIR BLANK     0.000     13:27
EXT STD IR    0.040     13:27
EXT STD EC    0.039     13:27
AIR BLANK     0.000     13:28
DIAGNOSTIC OK           13:28
************************
OPERATOR SIGNATURE:
```

K Denton

## METHOD VALIDATION DRAEGER ALCOTEST 9510

DRAEGER ALCOTEST 9510 SERIAL NUMBER: ARAH-0093

DATE OF TESTS: 9/25/2013

| | I/R | E/C |
|---|---|---|
| **Simulator #:** | **DR4492** | **DR4492** |
| **Sim Therm#:** | **DR4492** | **DR4492** |
| **Batch#:** | **D00004** | **D00004** |
| **Reference Value:** | **0.0408** | **0.0408** |
| | 0.039 | 0.038 |
| | 0.040 | 0.039 |
| | 0.040 | 0.039 |
| | 0.040 | 0.039 |
| | 0.040 | 0.039 |
| | 0.040 | 0.039 |
| | 0.040 | 0.039 |
| | 0.040 | 0.039 |
| | 0.040 | 0.039 |
| | 0.040 | 0.039 |
| Mean: | 0.0399 | 0.0389 |
| SD: | 0.0003 | 0.0003 |
| Bias %: | -2.21 | -4.66 |
| CV %: | 0.75 | 0.77 |
| Mean-Ref. Value Difference: | -0.0009 | -0.0019 |

K. Dayton 9/25/13

NAME OF TECHNICIAN PERFORMING TESTS DATE

D. Jones 10/23/13

NAME OF TECHNICIAN REVIEWING RESULTS DATE

D2

DR4492

```
*************************
      WASHINGTON
     ALCOTEST 9510

SERIAL NO.:      ARAH-0093
TEST NO.:            00223
DATE:           09/25/2013
*************************
    SUPERVISOR TEST
*************************
              g/210L   TIME
DIAGNOSTIC OK          12:01
AIR BLANK     0.000    12:01
EXT STD IR    0.039    12:01
EXT STD EC    0.038    12:01
AIR BLANK     0.000    12:03
EXT STD IR    0.040    12:03
EXT STD EC    0.039    12:03
AIR BLANK     0.000    12:05
EXT STD IR    0.040    12:05
EXT STD EC    0.039    12:05
AIR BLANK     0.000    12:06
EXT STD IR    0.040    12:07
EXT STD EC    0.039    12:07
AIR BLANK     0.000    12:08
EXT STD IR    0.040    12:09
EXT STD EC    0.039    12:09
AIR BLANK     0.000    12:10
EXT STD IR    0.040    12:10
EXT STD EC    0.039    12:10
AIR BLANK     0.000    12:12
EXT STD IR    0.040    12:12
EXT STD EC    0.039    12:12
AIR BLANK     0.000    12:14
EXT STD IR    0.040    12:14
EXT STD EC    0.039    12:14
AIR BLANK     0.000    12:15
EXT STD IR    0.040    12:16
EXT STD EC    0.039    12:16
AIR BLANK     0.000    12:17
EXT STD IR    0.040    12:18
EXT STD EC    0.039    12:18
AIR BLANK     0.000    12:18
DIAGNOSTIC OK          12:19
*************************
OPERATOR SIGNATURE:
K.L. Dill
```

## METHOD VALIDATION DRAEGER ALCOTEST 9510

DRAEGER ALCOTEST 9510 SERIAL NUMBER: ARAH-0093

DATE OF TESTS: 9/26/2013

| | I/R | E/C |
|---|---|---|
| **Simulator #:** | **DR4492** | **DR4492** |
| **Sim Therm#:** | **DR4492** | **DR4492** |
| **Batch#:** | **D00004** | **D00004** |
| **Reference Value:** | **0.0408** | **0.0408** |
| | 0.040 | 0.039 |
| | 0.040 | 0.040 |
| | 0.040 | 0.040 |
| | 0.041 | 0.040 |
| | 0.041 | 0.040 |
| | 0.041 | 0.040 |
| | 0.041 | 0.041 |
| | 0.041 | 0.040 |
| | 0.041 | 0.040 |
| | 0.041 | 0.040 |
| Mean: | 0.0407 | 0.0400 |
| SD: | 0.0005 | 0.0005 |
| Bias %: | -0.25 | -1.96 |
| CV %: | 1.23 | 1.25 |
| Mean-Ref. Value Difference: | -0.0001 | -0.0008 |

K. Denton 9/26/13

NAME OF TECHNICIAN PERFORMING TESTS DATE

D. JONES D. Jones 9-26-13

NAME OF TECHNICIAN REVIEWING RESULTS DATE

D3 DR4492

```
************************
     WASHINGTON
   ALCOTEST 9510

SERIAL NO.:      ARAH-0093
TEST NO.:            00235
DATE:          09/26/2013
************************
   SUPERVISOR TEST
************************
              g/210L   TIME
DIAGNOSTIC OK          09:01
AIR BLANK     0.000    09:01
EXT STD IR    0.040    09:01
EXT STD EC    0.039    09:01
AIR BLANK     0.000    09:03
EXT STD IR    0.040    09:03
EXT STD EC    0.040    09:03
AIR BLANK     0.000    09:05
EXT STD IR    0.040    09:05
EXT STD EC    0.040    09:05
AIR BLANK     0.000    09:06
EXT STD IR    0.041    09:07
EXT STD EC    0.040    09:07
AIR BLANK     0.000    09:08
EXT STD IR    0.041    09:09
EXT STD EC    0.040    09:09
AIR BLANK     0.000    09:10
EXT STD IR    0.041    09:10
EXT STD EC    0.040    09:10
AIR BLANK     0.000    09:12
EXT STD IR    0.041    09:12
EXT STD EC    0.041    09:12
AIR BLANK     0.000    09:14
EXT STD IR    0.041    09:14
EXT STD EC    0.040    09:14
AIR BLANK     0.000    09:15
EXT STD IR    0.041    09:16
EXT STD EC    0.040    09:16
AIR BLANK     0.000    09:17
EXT STD IR    0.041    09:18
EXT STD EC    0.040    09:18
AIR BLANK     0.000    09:18
DIAGNOSTIC OK          09:19
************************
OPERATOR SIGNATURE:
K Doff
```

## METHOD VALIDATION DRAEGER ALCOTEST 9510

DRAEGER ALCOTEST 9510 SERIAL NUMBER: ARAH-0093

DATE OF TESTS: 9/27/2013

| | I/R | E/C |
|---|---|---|
| **Simulator #:** | **DR4492** | **DR4492** |
| **Sim Therm#:** | **DR4492** | **DR4492** |
| **Batch#:** | **D00004** | **D00004** |
| **Reference Value:** | **0.0408** | **0.0408** |
| | 0.038 | 0.037 |
| | 0.040 | 0.039 |
| | 0.040 | 0.040 |
| | 0.041 | 0.040 |
| | 0.041 | 0.040 |
| | 0.041 | 0.040 |
| | 0.041 | 0.040 |
| | 0.041 | 0.040 |
| | 0.040 | 0.040 |
| | 0.040 | 0.040 |
| Mean: | 0.0403 | 0.0396 |
| SD: | 0.0009 | 0.0010 |
| Bias %: | -1.23 | -2.94 |
| CV %: | 2.23 | 2.53 |
| Mean-Ref. Value Difference: | -0.0005 | -0.0012 |

K Denton 9/27/13

NAME OF TECHNICIAN PERFORMING TESTS DATE

D. Jones 10/23/13

NAME OF TECHNICIAN REVIEWING RESULTS DATE

D4 DR4492

```
************************
      WASHINGTON
    ALCOTEST 9510

SERIAL NO.:      ARAH-0093
TEST NO.:           00244
DATE:           09/27/2013
************************
    SUPERVISOR TEST
************************
              g/210L    TIME
DIAGNOSTIC OK           09:05
AIR BLANK     0.000     09:05
EXT STD IR    0.038     09:05
EXT STD EC    0.037     09:05
AIR BLANK     0.000     09:07
EXT STD IR    0.040     09:07
EXT STD EC    0.039     09:07
AIR BLANK     0.000     09:09
EXT STD IR    0.040     09:09
EXT STD EC    0.040     09:09
AIR BLANK     0.000     09:11
EXT STD IR    0.041     09:11
EXT STD EC    0.040     09:11
AIR BLANK     0.000     09:12
EXT STD IR    0.041     09:13
EXT STD EC    0.040     09:13
AIR BLANK     0.000     09:14
EXT STD IR    0.041     09:15
EXT STD EC    0.040     09:15
AIR BLANK     0.000     09:16
EXT STD IR    0.041     09:16
EXT STD EC    0.040     09:16
AIR BLANK     0.000     09:18
EXT STD IR    0.041     09:18
EXT STD EC    0.040     09:18
AIR BLANK     0.000     09:20
EXT STD IR    0.040     09:20
EXT STD EC    0.040     09:20
AIR BLANK     0.000     09:22
EXT STD IR    0.040     09:22
EXT STD EC    0.040     09:22
AIR BLANK     0.000     09:23
DIAGNOSTIC OK           09:23
************************
OPERATOR SIGNATURE:
```

KDH

## METHOD VALIDATION DRAEGER ALCOTEST 9510

DRAEGER ALCOTEST 9510 SERIAL NUMBER: ARAH-0093

DATE OF TESTS: 9/29/2013

| | I/R | E/C |
|---|---|---|
| **Simulator #:** | **DR4492** | **DR4492** |
| **Sim Therm#:** | **DR4492** | **DR4492** |
| **Batch#:** | **D00004** | **D00004** |
| **Reference Value:** | **0.0408** | **0.0408** |
| | 0.041 | 0.040 |
| | 0.040 | 0.040 |
| | 0.041 | 0.040 |
| | 0.041 | 0.040 |
| | 0.041 | 0.040 |
| | 0.041 | 0.040 |
| | 0.041 | 0.040 |
| | 0.041 | 0.040 |
| | 0.041 | 0.040 |
| | 0.041 | 0.040 |
| Mean: | 0.0409 | 0.0400 |
| SD: | 0.0003 | 0.0000 |
| Bias %: | 0.25 | -1.96 |
| CV %: | 0.73 | 0.00 |
| Mean-Ref. Value Difference: | 0.0001 | -0.0008 |

K Denton 9/29/13

NAME OF TECHNICIAN PERFORMING TESTS DATE

D. Jones 10/23/13

NAME OF TECHNICIAN REVIEWING RESULTS DATE

D5

DR4492

**********

WASHINGTON
ALCOTEST 9510

SERIAL NO.: ARAH-0093
TEST NO.: 00254
DATE: 09/29/2013

**********

SUPERVISOR TEST

**********

| | g/210L | TIME |
|---|---|---|
| DIAGNOSTIC | OK | 10:28 |
| AIR BLANK | 0.000 | 10:28 |
| EXT STD IR | 0.041 | 10:29 |
| EXT STD EC | 0.040 | 10:29 |
| AIR BLANK | 0.000 | 10:30 |
| EXT STD IR | 0.040 | 10:30 |
| EXT STD EC | 0.040 | 10:30 |
| AIR BLANK | 0.000 | 10:32 |
| EXT STD IR | 0.041 | 10:32 |
| EXT STD EC | 0.040 | 10:32 |
| AIR BLANK | 0.000 | 10:34 |
| EXT STD IR | 0.041 | 10:34 |
| EXT STD EC | 0.040 | 10:34 |
| AIR BLANK | 0.000 | 10:36 |
| EXT STD IR | 0.041 | 10:36 |
| EXT STD EC | 0.040 | 10:36 |
| AIR BLANK | 0.000 | 10:37 |
| EXT STD IR | 0.041 | 10:38 |
| EXT STD EC | 0.040 | 10:38 |
| AIR BLANK | 0.000 | 10:39 |
| EXT STD IR | 0.041 | 10:40 |
| EXT STD EC | 0.040 | 10:40 |
| AIR BLANK | 0.000 | 10:41 |
| EXT STD IR | 0.041 | 10:41 |
| EXT STD EC | 0.040 | 10:41 |
| AIR BLANK | 0.000 | 10:43 |
| EXT STD IR | 0.041 | 10:43 |
| EXT STD EC | 0.040 | 10:43 |
| AIR BLANK | 0.000 | 10:45 |
| EXT STD IR | 0.041 | 10:45 |
| EXT STD EC | 0.040 | 10:45 |
| AIR BLANK | 0.000 | 10:46 |
| DIAGNOSTIC | OK | 10:46 |

**********

OPERATOR SIGNATURE:

K Dent

# TEST DOCUMENTS

# INSTRUMENT SERIAL NUMBER
# ARAH-0093

# BATCH D00005

## METHOD VALIDATION DRAEGER ALCOTEST 9510

DRAEGER ALCOTEST 9510 SERIAL NUMBER: ARAH-0093

DATE OF TESTS: 9/24/2013

| | I/R | E/C |
|---|---|---|
| Simulator #: | DR4492 | DR4492 |
| Sim Therm#: | DR4492 | DR4492 |
| Batch#: | D00005 | D00005 |
| Reference Value: | 0.0804 | 0.0804 |
| | 0.079 | 0.078 |
| | 0.080 | 0.079 |
| | 0.080 | 0.079 |
| | 0.080 | 0.080 |
| | 0.081 | 0.080 |
| | 0.080 | 0.080 |
| | 0.081 | 0.080 |
| | 0.081 | 0.080 |
| | 0.081 | 0.080 |
| | 0.081 | 0.081 |
| Mean: | 0.0804 | 0.0797 |
| SD: | 0.0007 | 0.0008 |
| Bias %: | 0.00 | -0.87 |
| CV %: | 0.87 | 1.00 |
| Mean-Ref. Value Difference: | 0.0000 | -0.0007 |

K. Denton — 9/24/13

NAME OF TECHNICIAN PERFORMING TESTS — DATE

D. Jones — 10/23/2013

NAME OF TECHNICIAN REVIEWING RESULTS — DATE

D1

DR4492

```
*************************
WASHINGTON
ALCOTEST 9510

SERIAL NO.:        ARAH-0093
TEST NO.:              00211
DATE:            09/24/2013
*************************
SUPERVISOR TEST
*************************
                g/210L    TIME
DIAGNOSTIC OK             13:57
AIR BLANK       0.000     13:58
EXT STD IR      0.079     13:58
EXT STD EC      0.078     13:58
AIR BLANK       0.000     13:59
EXT STD IR      0.080     14:00
EXT STD EC      0.079     14:00
AIR BLANK       0.000     14:01
EXT STD IR      0.080     14:02
EXT STD EC      0.079     14:02
AIR BLANK       0.000     14:03
EXT STD IR      0.080     14:04
EXT STD EC      0.080     14:04
AIR BLANK       0.000     14:05
EXT STD IR      0.081     14:05
EXT STD EC      0.080     14:05
AIR BLANK       0.000     14:07
EXT STD IR      0.080     14:07
EXT STD EC      0.080     14:07
AIR BLANK       0.000     14:09
EXT STD IR      0.081     14:09
EXT STD EC      0.080     14:09
AIR BLANK       0.000     14:11
EXT STD IR      0.081     14:11
EXT STD EC      0.080     14:11
AIR BLANK       0.000     14:13
EXT STD IR      0.081     14:13
EXT STD EC      0.080     14:13
AIR BLANK       0.000     14:14
EXT STD IR      0.081     14:15
EXT STD EC      0.081     14:15
AIR BLANK       0.000     14:15
DIAGNOSTIC OK             14:16
*************************
OPERATOR SIGNATURE:
```

KT

## METHOD VALIDATION DRAEGER ALCOTEST 9510

DRAEGER ALCOTEST 9510 SERIAL NUMBER: ARAH-0093

DATE OF TESTS: 9/25/2013

| | I/R | E/C |
|---|---|---|
| **Simulator #:** | **DR4492** | **DR4492** |
| **Sim Therm#:** | **DR4492** | **DR4492** |
| **Batch#:** | **D00005** | **D00005** |
| **Reference Value:** | **0.0804** | **0.0804** |
| | 0.076 | 0.074 |
| | 0.078 | 0.076 |
| | 0.078 | 0.077 |
| | 0.078 | 0.077 |
| | 0.078 | 0.076 |
| | 0.078 | 0.076 |
| | 0.078 | 0.077 |
| | 0.078 | 0.077 |
| | 0.078 | 0.077 |
| | 0.078 | 0.077 |
| Mean: | 0.0778 | 0.0764 |
| SD: | 0.0006 | 0.0010 |
| Bias %: | -3.23 | -4.98 |
| CV %: | 0.77 | 1.31 |
| Mean-Ref. Value Difference: | -0.0026 | -0.004 |

K. Denton — 9/25/13

NAME OF TECHNICIAN PERFORMING TESTS — DATE

D. Jones — 9/26/13

NAME OF TECHNICIAN REVIEWING RESULTS — DATE

D2 DR4492

```
**********************
WASHINGTON
ALCOTEST 9510

SERIAL NO.:      ARAH-0093
TEST NO.:            00225
DATE:          09/25/2013
**********************
SUPERVISOR TEST
**********************
                g/210L   TIME
DIAGNOSTIC OK            13:16
AIR BLANK       0.000    13:16
EXT STD IR      0.076    13:17
EXT STD EC      0.074    13:17
AIR BLANK       0.000    13:18
EXT STD IR      0.078    13:19
EXT STD EC      0.076    13:19
AIR BLANK       0.000    13:20
EXT STD IR      0.078    13:21
EXT STD EC      0.077    13:21
AIR BLANK       0.000    13:22
EXT STD IR      0.078    13:22
EXT STD EC      0.077    13:22
AIR BLANK       0.000    13:24
EXT STD IR      0.078    13:24
EXT STD EC      0.076    13:24
AIR BLANK       0.000    13:26
EXT STD IR      0.078    13:26
EXT STD EC      0.076    13:26
AIR BLANK       0.000    13:28
EXT STD IR      0.078    13:28
EXT STD EC      0.077    13:28
AIR BLANK       0.000    13:30
EXT STD IR      0.078    13:30
EXT STD EC      0.077    13:30
AIR BLANK       0.000    13:32
EXT STD IR      0.078    13:32
EXT STD EC      0.077    13:32
AIR BLANK       0.000    13:33
EXT STD IR      0.078    13:34
EXT STD EC      0.077    13:34
AIR BLANK       0.000    13:34
DIAGNOSTIC OK            13:35
**********************
OPERATOR SIGNATURE:
```

## METHOD VALIDATION DRAEGER ALCOTEST 9510

DRAEGER ALCOTEST 9510 SERIAL NUMBER: ARAH-0093

DATE OF TESTS: 9/26/2013

| | I/R | E/C |
|---|---|---|
| **Simulator #:** | **DR4492** | **DR4492** |
| **Sim Therm#:** | **DR4492** | **DR4492** |
| **Batch#:** | **D00005** | **D00005** |
| **Reference Value:** | **0.0804** | **0.0804** |
| | 0.081 | 0.080 |
| | 0.082 | 0.081 |
| | 0.082 | 0.080 |
| | 0.081 | 0.080 |
| | 0.082 | 0.081 |
| | 0.082 | 0.080 |
| | 0.082 | 0.081 |
| | 0.082 | 0.081 |
| | 0.082 | 0.081 |
| | 0.082 | 0.081 |
| Mean: | 0.0818 | 0.0806 |
| SD: | 0.0004 | 0.0005 |
| Bias %: | 1.74 | 0.25 |
| CV %: | 0.49 | 0.62 |
| Mean-Ref. Value Difference: | 0.0014 | 0.0002 |

K. Denton 9/26/13

NAME OF TECHNICIAN PERFORMING TESTS DATE

D. Jones 9/26/13

NAME OF TECHNICIAN REVIEWING RESULTS DATE

D3 DR4492

```
************************
      WASHINGTON
    ALCOTEST 9510

SERIAL NO.:      ARAH-0093
TEST NO.:            00236
DATE:           09/26/2013
************************
    SUPERVISOR TEST
************************
            g/210L    TIME
DIAGNOSTIC OK         09:48
AIR BLANK    0.000    09:48
EXT STD IR   0.081    09:48
EXT STD EC   0.080    09:48
AIR BLANK    0.000    09:50
EXT STD IR   0.082    09:50
EXT STD EC   0.081    09:50
AIR BLANK    0.000    09:52
EXT STD IR   0.082    09:52
EXT STD EC   0.080    09:52
AIR BLANK    0.000    09:54
EXT STD IR   0.081    09:54
EXT STD EC   0.080    09:54
AIR BLANK    0.000    09:55
EXT STD IR   0.082    09:56
EXT STD EC   0.081    09:56
AIR BLANK    0.000    09:57
EXT STD IR   0.082    09:58
EXT STD EC   0.080    09:58
AIR BLANK    0.000    09:59
EXT STD IR   0.082    10:00
EXT STD EC   0.081    10:00
AIR BLANK    0.000    10:01
EXT STD IR   0.082    10:02
EXT STD EC   0.081    10:02
AIR BLANK    0.000    10:03
EXT STD IR   0.082    10:03
EXT STD EC   0.081    10:03
AIR BLANK    0.000    10:05
EXT STD IR   0.082    10:05
EXT STD EC   0.081    10:05
AIR BLANK    0.000    10:06
DIAGNOSTIC OK         10:07
************************
OPERATOR SIGNATURE:
```

## METHOD VALIDATION DRAEGER ALCOTEST 9510

DRAEGER ALCOTEST 9510 SERIAL NUMBER: ARAH-0093

DATE OF TESTS: 9/27/2013

| | I/R | E/C |
|---|---|---|
| **Simulator #:** | **DR4492** | **DR4492** |
| **Sim Therm#:** | **DR4492** | **DR4492** |
| **Batch#:** | **D00005** | **D00005** |
| **Reference Value:** | **0.0804** | **0.0804** |
| | 0.079 | 0.077 |
| | 0.080 | 0.079 |
| | 0.081 | 0.079 |
| | 0.081 | 0.080 |
| | 0.081 | 0.080 |
| | 0.081 | 0.080 |
| | 0.081 | 0.080 |
| | 0.081 | 0.080 |
| | 0.081 | 0.080 |
| | 0.081 | 0.080 |
| Mean: | 0.0807 | 0.0795 |
| SD: | 0.0007 | 0.0010 |
| Bias %: | 0.37 | -1.12 |
| CV %: | 0.87 | 1.26 |
| Mean-Ref. Value Difference: | 0.0003 | -0.0009 |

K Denton 9/27/13

NAME OF TECHNICIAN PERFORMING TESTS DATE

D. Jones 10/23/13

NAME OF TECHNICIAN REVIEWING RESULTS DATE

D4 DR4492

```
************************
      WASHINGTON
    ALCOTEST 9510

SERIAL NO.:      ARAH-0093
TEST NO.:            00245
DATE:           09/27/2013
************************
    SUPERVISOR TEST
************************
              g/210L    TIME
DIAGNOSTIC OK           09:45
AIR BLANK     0.000     09:46
EXT STD IR    0.079     09:46
EXT STD EC    0.077     09:46
AIR BLANK     0.000     09:47
EXT STD IR    0.080     09:48
EXT STD EC    0.079     09:48
AIR BLANK     0.000     09:49
EXT STD IR    0.081     09:50
EXT STD EC    0.079     09:50
AIR BLANK     0.000     09:51
EXT STD IR    0.081     09:52
EXT STD EC    0.080     09:52
AIR BLANK     0.000     09:53
EXT STD IR    0.081     09:54
EXT STD EC    0.080     09:54
AIR BLANK     0.000     09:55
EXT STD IR    0.081     09:55
EXT STD EC    0.080     09:55
AIR BLANK     0.000     09:57
EXT STD IR    0.081     09:57
EXT STD EC    0.080     09:57
AIR BLANK     0.000     09:59
EXT STD IR    0.081     09:59
EXT STD EC    0.080     09:59
AIR BLANK     0.000     10:01
EXT STD IR    0.081     10:01
EXT STD EC    0.080     10:01
AIR BLANK     0.000     10:03
EXT STD IR    0.081     10:03
EXT STD EC    0.080     10:03
AIR BLANK     0.000     10:04
DIAGNOSTIC OK           10:04
************************
OPERATOR SIGNATURE:
```

K Det

## METHOD VALIDATION DRAEGER ALCOTEST 9510

DRAEGER ALCOTEST 9510 SERIAL NUMBER: ARAH-0093

DATE OF TESTS: 9/29/2013

| | I/R | E/C |
|---|---|---|
| **Simulator #:** | **DR4492** | **DR4492** |
| **Sim Therm#:** | **DR4492** | **DR4492** |
| **Batch#:** | **D00005** | **D00005** |
| **Reference Value:** | **0.0804** | **0.0804** |
| | 0.081 | 0.080 |
| | 0.082 | 0.081 |
| | 0.082 | 0.081 |
| | 0.081 | 0.081 |
| | 0.081 | 0.081 |
| | 0.081 | 0.081 |
| | 0.081 | 0.081 |
| | 0.081 | 0.081 |
| | 0.081 | 0.081 |
| | 0.081 | 0.081 |
| Mean: | 0.0812 | 0.0809 |
| SD: | 0.0004 | 0.0003 |
| Bias %: | 1.00 | 0.62 |
| CV %: | 0.49 | 0.37 |
| Mean-Ref. Value Difference: | 0.0008 | 0.0005 |

K. Denton — 9/29/13

NAME OF TECHNICIAN PERFORMING TESTS — DATE

D Jones — 10/23/13

NAME OF TECHNICIAN REVIEWING RESULTS — DATE

D5 DR4492

```
*************************
      WASHINGTON
    ALCOTEST 9510

SERIAL NO.:      ARAH-0093
TEST NO.:            00256
DATE:           09/29/2013
*************************
    SUPERVISOR TEST
*************************
              g/210L    TIME
DIAGNOSTIC OK           11:32
AIR BLANK     0.000     11:32
EXT STD IR    0.081     11:33
EXT STD EC    0.080     11:33
AIR BLANK     0.000     11:34
EXT STD IR    0.082     11:35
EXT STD EC    0.081     11:35
AIR BLANK     0.000     11:36
EXT STD IR    0.082     11:37
EXT STD EC    0.081     11:37
AIR BLANK     0.000     11:38
EXT STD IR    0.081     11:38
EXT STD EC    0.081     11:38
AIR BLANK     0.000     11:40
EXT STD IR    0.081     11:40
EXT STD EC    0.081     11:40
AIR BLANK     0.000     11:42
EXT STD IR    0.081     11:42
EXT STD EC    0.081     11:42
AIR BLANK     0.000     11:44
EXT STD IR    0.081     11:44
EXT STD EC    0.081     11:44
AIR BLANK     0.000     11:46
EXT STD IR    0.081     11:46
EXT STD EC    0.081     11:46
AIR BLANK     0.000     11:48
EXT STD IR    0.081     11:48
EXT STD EC    0.081     11:48
AIR BLANK     0.000     11:50
EXT STD IR    0.081     11:50
EXT STD EC    0.081     11:50
AIR BLANK     0.000     11:51
DIAGNOSTIC OK           11:51
*************************
OPERATOR SIGNATURE:
K Denton
```

# TEST DOCUMENTS

# INSTRUMENT SERIAL NUMBER
# ARAH-0093

# BATCH D00006

## METHOD VALIDATION DRAEGER ALCOTEST 9510

DRAEGER ALCOTEST 9510 SERIAL NUMBER: ARAH-0093

DATE OF TESTS: 9/24/2013

| | I/R | E/C |
|---|---|---|
| Simulator #: | DR4492 | DR4492 |
| Sim Therm#: | DR4492 | DR4492 |
| Batch#: | D00006 | D00006 |
| Reference Value: | 0.1522 | 0.1522 |
| | 0.153 | 0.152 |
| | 0.153 | 0.152 |
| | 0.153 | 0.152 |
| | 0.153 | 0.152 |
| | 0.153 | 0.152 |
| | 0.153 | 0.152 |
| | 0.153 | 0.153 |
| | 0.153 | 0.154 |
| | 0.153 | 0.154 |
| | 0.152 | 0.153 |
| Mean: | 0.1529 | 0.1526 |
| SD: | 0.0003 | 0.0008 |
| Bias %: | 0.46 | 0.26 |
| CV %: | 0.20 | 0.52 |
| Mean-Ref. Value Difference: | 0.0007 | 0.0004 |

K. Denton — 9/24/13

NAME OF TECHNICIAN PERFORMING TESTS — DATE

D. Jones — 10/23/13

NAME OF TECHNICIAN REVIEWING RESULTS — DATE

D1 DR4492

```
*************************
      WASHINGTON
    ALCOTEST 9510

SERIAL NO.:      ARAH-0093
TEST NO.:            00213
DATE:           09/24/2013
*************************
    SUPERVISOR TEST
*************************
              g/210L    TIME
DIAGNOSTIC OK           15:22
AIR BLANK     0.000     15:22
EXT STD IR    0.153     15:22
EXT STD EC    0.152     15:22
AIR BLANK     0.000     15:24
EXT STD IR    0.153     15:24
EXT STD EC    0.152     15:24
AIR BLANK     0.000     15:26
EXT STD IR    0.153     15:26
EXT STD EC    0.152     15:26
AIR BLANK     0.000     15:28
EXT STD IR    0.153     15:28
EXT STD EC    0.152     15:28
AIR BLANK     0.000     15:30
EXT STD IR    0.153     15:30
EXT STD EC    0.152     15:30
AIR BLANK     0.000     15:32
EXT STD IR    0.153     15:32
EXT STD EC    0.152     15:32
AIR BLANK     0.000     15:34
EXT STD IR    0.153     15:34
EXT STD EC    0.153     15:34
AIR BLANK     0.000     15:36
EXT STD IR    0.153     15:36
EXT STD EC    0.154     15:36
AIR BLANK     0.000     15:38
EXT STD IR    0.153     15:38
EXT STD EC    0.154     15:38
AIR BLANK     0.000     15:40
EXT STD IR    0.152     15:40
EXT STD EC    0.153     15:40
AIR BLANK     0.000     15:41
DIAGNOSTIC OK           15:42
*************************
OPERATOR SIGNATURE:
KTD
```

## METHOD VALIDATION DRAEGER ALCOTEST 9510

DRAEGER ALCOTEST 9510 SERIAL NUMBER: ARAH-0093

DATE OF TESTS: 9/25/2013

| | I/R | E/C |
|---|---|---|
| **Simulator #:** | **DR4492** | **DR4492** |
| **Sim Therm#:** | **DR4492** | **DR4492** |
| **Batch#:** | **D00006** | **D00006** |
| **Reference Value:** | **0.1522** | **0.1522** |
| | 0.150 | 0.148 |
| | 0.149 | 0.147 |
| | 0.149 | 0.147 |
| | 0.149 | 0.147 |
| | 0.150 | 0.148 |
| | 0.151 | 0.149 |
| | 0.151 | 0.150 |
| | 0.151 | 0.149 |
| | 0.151 | 0.150 |
| | 0.151 | 0.150 |
| Mean: | 0.1502 | 0.1485 |
| SD: | 0.0009 | 0.0013 |
| Bias %: | -1.31 | -2.43 |
| CV %: | 0.60 | 0.88 |
| Mean-Ref. Value Difference: | -0.0020 | -0.0037 |

K. Denton 9/25/13

NAME OF TECHNICIAN PERFORMING TESTS DATE

D. Jones 9/26/13

NAME OF TECHNICIAN REVIEWING RESULTS DATE

D2

DR4492

```
**************************
      WASHINGTON
     ALCOTEST 9510

SERIAL NO.:      ARAH-0093
TEST NO.:            00227
DATE:           09/25/2013
**************************
    SUPERVISOR TEST
**************************
              g/210L    TIME
DIAGNOSTIC OK           13:53
AIR BLANK     0.000     13:53
EXT STD IR    0.150     13:54
EXT STD EC    0.148     13:54
AIR BLANK     0.000     13:55
EXT STD IR    0.149     13:56
EXT STD EC    0.147     13:56
AIR BLANK     0.000     13:57
EXT STD IR    0.149     13:58
EXT STD EC    0.147     13:58
AIR BLANK     0.000     13:59
EXT STD IR    0.149     13:59
EXT STD EC    0.147     13:59
AIR BLANK     0.000     14:01
EXT STD IR    0.150     14:01
EXT STD EC    0.148     14:01
AIR BLANK     0.000     14:03
EXT STD IR    0.151     14:03
EXT STD EC    0.149     14:03
AIR BLANK     0.000     14:05
EXT STD IR    0.151     14:05
EXT STD EC    0.150     14:05
AIR BLANK     0.000     14:07
EXT STD IR    0.151     14:07
EXT STD EC    0.149     14:07
AIR BLANK     0.000     14:09
EXT STD IR    0.151     14:09
EXT STD EC    0.150     14:09
AIR BLANK     0.000     14:11
EXT STD IR    0.151     14:11
EXT STD EC    0.150     14:11
AIR BLANK     0.000     14:12
DIAGNOSTIC OK           14:13
**************************
OPERATOR SIGNATURE:
```

KTed

## METHOD VALIDATION DRAEGER ALCOTEST 9510

DRAEGER ALCOTEST 9510 SERIAL NUMBER: ARAH-0093

DATE OF TESTS: 9/26/2013

| | I/R | E/C |
|---|---|---|
| **Simulator #:** | **DR4492** | **DR4492** |
| **Sim Therm#:** | **DR4492** | **DR4492** |
| **Batch#:** | **D00006** | **D00006** |
| **Reference Value:** | **0.1522** | **0.1522** |
| | 0.154 | 0.152 |
| | 0.154 | 0.152 |
| | 0.153 | 0.152 |
| | 0.153 | 0.152 |
| | 0.154 | 0.153 |
| | 0.155 | 0.154 |
| | 0.155 | 0.154 |
| | 0.156 | 0.154 |
| | 0.155 | 0.154 |
| | 0.155 | 0.154 |
| Mean: | 0.1544 | 0.1531 |
| SD: | 0.0010 | 0.0010 |
| Bias %: | 1.45 | 0.59 |
| CV %: | 0.65 | 0.65 |
| Mean-Ref. Value Difference: | 0.0022 | 0.0009 |

K. Denton — 9/26/13

NAME OF TECHNICIAN PERFORMING TESTS — DATE

D. Jones — 10/22/13

NAME OF TECHNICIAN REVIEWING RESULTS — DATE

D3 DR4492

```
*************************
      WASHINGTON
    ALCOTEST 9510

SERIAL NO.:      ARAH-0093
TEST NO.:            00237
DATE:          09/26/2013
*************************
    SUPERVISOR TEST
*************************
              g/210L   TIME
DIAGNOSTIC OK          10:56
AIR BLANK     0.000    10:56
EXT STD IR    0.154    10:56
EXT STD EC    0.152    10:56
AIR BLANK     0.000    10:58
EXT STD IR    0.154    10:58
EXT STD EC    0.152    10:58
AIR BLANK     0.000    11:00
EXT STD IR    0.153    11:00
EXT STD EC    0.152    11:00
AIR BLANK     0.000    11:02
EXT STD IR    0.153    11:02
EXT STD EC    0.152    11:02
AIR BLANK     0.000    11:04
EXT STD IR    0.154    11:04
EXT STD EC    0.153    11:04
AIR BLANK     0.000    11:06
EXT STD IR    0.155    11:06
EXT STD EC    0.154    11:06
AIR BLANK     0.000    11:08
EXT STD IR    0.155    11:08
EXT STD EC    0.154    11:08
AIR BLANK     0.000    11:10
EXT STD IR    0.156    11:10
EXT STD EC    0.154    11:10
AIR BLANK     0.000    11:11
EXT STD IR    0.155    11:12
EXT STD EC    0.154    11:12
AIR BLANK     0.000    11:13
EXT STD IR    0.155    11:14
EXT STD EC    0.154    11:14
AIR BLANK     0.000    11:15
DIAGNOSTIC OK          11:15
*************************
OPERATOR SIGNATURE:
KTR
```

## METHOD VALIDATION DRAEGER ALCOTEST 9510

DRAEGER ALCOTEST 9510 SERIAL NUMBER: ARAH-0093

DATE OF TESTS: 9/27/2013

| | I/R | E/C |
|---|---|---|
| **Simulator #:** | **DR4492** | **DR4492** |
| **Sim Therm#:** | **DR4492** | **DR4492** |
| **Batch#:** | **D00006** | **D00006** |
| **Reference Value:** | **0.1522** | **0.1522** |
| | 0.154 | 0.152 |
| | 0.155 | 0.153 |
| | 0.155 | 0.154 |
| | 0.156 | 0.155 |
| | 0.155 | 0.154 |
| | 0.156 | 0.154 |
| | 0.156 | 0.155 |
| | 0.157 | 0.155 |
| | 0.157 | 0.156 |
| | 0.158 | 0.157 |
| Mean: | 0.1559 | 0.1545 |
| SD: | 0.0012 | 0.0014 |
| Bias %: | 2.43 | 1.51 |
| CV %: | 0.77 | 0.91 |
| Mean-Ref. Value Difference: | 0.0037 | 0.0023 |

K Denton 9/27/13

NAME OF TECHNICIAN PERFORMING TESTS DATE

D. Jones 10/23/13

NAME OF TECHNICIAN REVIEWING RESULTS DATE

D4 DR4492

```
*************************
      WASHINGTON
    ALCOTEST 9510

SERIAL NO.:      ARAH-0093
TEST NO.:            00246
DATE:          09/27/2013
*************************
    SUPERVISOR TEST
*************************
                g/210L   TIME
DIAGNOSTIC OK            10:23
AIR BLANK       0.000    10:24
EXT STD IR      0.154    10:24
EXT STD EC      0.152    10:24
AIR BLANK       0.000    10:26
EXT STD IR      0.155    10:26
EXT STD EC      0.153    10:26
AIR BLANK       0.000    10:28
EXT STD IR      0.155    10:28
EXT STD EC      0.154    10:28
AIR BLANK       0.000    10:30
EXT STD IR      0.156    10:30
EXT STD EC      0.155    10:30
AIR BLANK       0.000    10:32
EXT STD IR      0.155    10:32
EXT STD EC      0.154    10:32
AIR BLANK       0.000    10:33
EXT STD IR      0.156    10:34
EXT STD EC      0.154    10:34
AIR BLANK       0.000    10:35
EXT STD IR      0.156    10:36
EXT STD EC      0.155    10:36
AIR BLANK       0.000    10:37
EXT STD IR      0.157    10:38
EXT STD EC      0.155    10:38
AIR BLANK       0.000    10:39
EXT STD IR      0.157    10:40
EXT STD EC      0.156    10:40
AIR BLANK       0.000    10:41
EXT STD IR      0.158    10:42
EXT STD EC      0.157    10:42
AIR BLANK       0.000    10:42
DIAGNOSTIC OK            10:43
*************************
OPERATOR SIGNATURE:
```

K Denton

## METHOD VALIDATION DRAEGER ALCOTEST 9510

DRAEGER ALCOTEST 9510 SERIAL NUMBER: ARAH-0093

DATE OF TESTS: 9/29/2013

| | I/R | E/C |
|---|---|---|
| **Simulator #:** | **DR4492** | **DR4492** |
| **Sim Therm#:** | **DR4492** | **DR4492** |
| **Batch#:** | **D00006** | **D00006** |
| **Reference Value:** | **0.1522** | **0.1522** |
| | 0.154 | 0.153 |
| | 0.154 | 0.153 |
| | 0.155 | 0.154 |
| | 0.155 | 0.154 |
| | 0.155 | 0.155 |
| | 0.155 | 0.155 |
| | 0.156 | 0.155 |
| | 0.156 | 0.156 |
| | 0.156 | 0.156 |
| | 0.156 | 0.156 |
| Mean: | 0.1552 | 0.1547 |
| SD: | 0.0008 | 0.0012 |
| Bias %: | 1.97 | 1.64 |
| CV %: | 0.52 | 0.78 |
| Mean-Ref. Value Difference: | 0.0030 | 0.0025 |

K Denton — 9/29/13

NAME OF TECHNICIAN PERFORMING TESTS — DATE

D. Jones — 10/23/13

NAME OF TECHNICIAN REVIEWING RESULTS — DATE

D5

DR4492

```
**********************
WASHINGTON
ALCOTEST 9510

SERIAL NO.:      ARAH-0093
TEST NO.:            00258
DATE:          09/29/2013
**********************
SUPERVISOR TEST
**********************
                g/210L   TIME
DIAGNOSTIC      OK       12:10
AIR BLANK       0.000    12:10
EXT STD IR      0.154    12:10
EXT STD EC      0.153    12:10
AIR BLANK       0.000    12:12
EXT STD IR      0.154    12:13
EXT STD EC      0.153    12:13
AIR BLANK       0.000    12:14
EXT STD IR      0.155    12:15
EXT STD EC      0.154    12:15
AIR BLANK       0.000    12:16
EXT STD IR      0.155    12:17
EXT STD EC      0.154    12:17
AIR BLANK       0.000    12:18
EXT STD IR      0.155    12:19
EXT STD EC      0.155    12:19
AIR BLANK       0.000    12:20
EXT STD IR      0.155    12:21
EXT STD EC      0.155    12:21
AIR BLANK       0.000    12:22
EXT STD IR      0.156    12:23
EXT STD EC      0.155    12:23
AIR BLANK       0.000    12:24
EXT STD IR      0.156    12:25
EXT STD EC      0.156    12:25
AIR BLANK       0.000    12:26
EXT STD IR      0.156    12:27
EXT STD EC      0.156    12:27
AIR BLANK       0.000    12:28
EXT STD IR      0.156    12:29
EXT STD EC      0.156    12:29
AIR BLANK       0.000    12:29
DIAGNOSTIC      OK       12:30
**********************
OPERATOR SIGNATURE:
```

K Denton

# TEST DOCUMENTS

# INSTRUMENT SERIAL NUMBER
# ARAH-0093

# BATCH D00007

## METHOD VALIDATION DRAEGER ALCOTEST 9510

DRAEGER ALCOTEST 9510 SERIAL NUMBER: ARAH-0093

DATE OF TESTS: 9/24/2013

| | I/R | E/C |
|---|---|---|
| **Simulator #:** | **DR4492** | **DR4492** |
| **Sim Therm#:** | **DR4492** | **DR4492** |
| **Batch#:** | **D00007** | **D00007** |
| **Reference Value:** | **0.2024** | **0.2024** |
| | 0.203 | 0.206 |
| | 0.205 | 0.207 |
| | 0.206 | 0.208 |
| | 0.207 | 0.210 |
| | 0.207 | 0.209 |
| | 0.207 | 0.209 |
| | 0.206 | 0.209 |
| | 0.207 | 0.209 |
| | 0.208 | 0.210 |
| | 0.208 | 0.210 |
| Mean: | 0.2064 | 0.2087 |
| SD: | 0.0015 | 0.0013 |
| Bias %: | 1.98 | 3.11 |
| CV %: | 0.73 | 0.62 |
| Mean-Ref. Value Difference: | 0.0040 | 0.0063 |

K. Denton 9/24/13

NAME OF TECHNICIAN PERFORMING TESTS DATE

D. Tayes 10/23/13

NAME OF TECHNICIAN REVIEWING RESULTS DATE

D1

DR4492

```
************************
      WASHINGTON
     ALCOTEST 9510

SERIAL NO.:      ARAH-0093
TEST NO.:            00214
DATE:           09/24/2013
************************
    SUPERVISOR TEST
************************
            g/210L    TIME
DIAGNOSTIC OK        15:59
AIR BLANK   0.000    15:59
EXT STD IR  0.203    16:00
EXT STD EC  0.206    16:00
AIR BLANK   0.000    16:01
EXT STD IR  0.205    16:02
EXT STD EC  0.207    16:02
AIR BLANK   0.000    16:03
EXT STD IR  0.206    16:04
EXT STD EC  0.208    16:04
AIR BLANK   0.000    16:06
EXT STD IR  0.207    16:06
EXT STD EC  0.210    16:06
AIR BLANK   0.000    16:08
EXT STD IR  0.207    16:08
EXT STD EC  0.209    16:08
AIR BLANK   0.000    16:10
EXT STD IR  0.207    16:10
EXT STD EC  0.209    16:10
AIR BLANK   0.000    16:12
EXT STD IR  0.206    16:12
EXT STD EC  0.209    16:12
AIR BLANK   0.000    16:14
EXT STD IR  0.207    16:14
EXT STD EC  0.209    16:14
AIR BLANK   0.000    16:16
EXT STD IR  0.208    16:16
EXT STD EC  0.210    16:16
AIR BLANK   0.000    16:18
EXT STD IR  0.208    16:18
EXT STD EC  0.210    16:18
AIR BLANK   0.000    16:19
DIAGNOSTIC OK        16:20
************************
OPERATOR SIGNATURE:
K Tett
```

## METHOD VALIDATION DRAEGER ALCOTEST 9510

DRAEGER ALCOTEST 9510 SERIAL NUMBER: ARAH-0093

DATE OF TESTS: 9/25/2013

| | I/R | E/C |
|---|---|---|
| **Simulator #:** | **DR4492** | **DR4492** |
| **Sim Therm#:** | **DR4492** | **DR4492** |
| **Batch#:** | **D00007** | **D00007** |
| **Reference Value:** | **0.2024** | **0.2024** |
| | 0.202 | 0.202 |
| | 0.204 | 0.203 |
| | 0.202 | 0.202 |
| | 0.203 | 0.202 |
| | 0.203 | 0.202 |
| | 0.204 | 0.203 |
| | 0.204 | 0.203 |
| | 0.205 | 0.203 |
| | 0.204 | 0.203 |
| | 0.203 | 0.201 |
| Mean: | 0.2034 | 0.2024 |
| SD: | 0.0010 | 0.0007 |
| Bias %: | 0.49 | 0.00 |
| CV %: | 0.49 | 0.35 |
| Mean-Ref. Value Difference: | 0.0010 | 0 |

K. Denton 9/25/13

NAME OF TECHNICIAN PERFORMING TESTS DATE

D Flores 9/26/13

NAME OF TECHNICIAN REVIEWING RESULTS DATE

D2

DR4492

```
************************
      WASHINGTON
     ALCOTEST 9510

SERIAL NO.:      ARAH-0093
TEST NO.:           00229
DATE:           09/25/2013
************************
    SUPERVISOR TEST
************************
            g/210L    TIME
DIAGNOSTIC OK         14:31
AIR BLANK    0.000    14:31
EXT STD IR   0.202    14:32
EXT STD EC   0.202    14:32
AIR BLANK    0.000    14:33
EXT STD IR   0.204    14:34
EXT STD EC   0.203    14:34
AIR BLANK    0.000    14:35
EXT STD IR   0.202    14:36
EXT STD EC   0.202    14:36
AIR BLANK    0.000    14:37
EXT STD IR   0.203    14:38
EXT STD EC   0.202    14:38
AIR BLANK    0.000    14:39
EXT STD IR   0.203    14:40
EXT STD EC   0.202    14:40
AIR BLANK    0.000    14:41
EXT STD IR   0.204    14:42
EXT STD EC   0.203    14:42
AIR BLANK    0.000    14:43
EXT STD IR   0.204    14:44
EXT STD EC   0.203    14:44
AIR BLANK    0.000    14:46
EXT STD IR   0.205    14:46
EXT STD EC   0.203    14:46
AIR BLANK    0.000    14:48
EXT STD IR   0.204    14:48
EXT STD EC   0.203    14:48
AIR BLANK    0.000    14:50
EXT STD IR   0.203    14:50
EXT STD EC   0.201    14:50
AIR BLANK    0.000    14:51
DIAGNOSTIC OK         14:52
************************
OPERATOR SIGNATURE:
```

KDF

## METHOD VALIDATION DRAEGER ALCOTEST 9510

DRAEGER ALCOTEST 9510 SERIAL NUMBER: ARAH-0093

DATE OF TESTS: 9/26/2013

| | I/R | E/C |
|---|---|---|
| **Simulator #:** | **DR4492** | **DR4492** |
| **Sim Therm#:** | **DR4492** | **DR4492** |
| **Batch#:** | **D00007** | **D00007** |
| **Reference Value:** | **0.2024** | **0.2024** |
| | 0.208 | 0.208 |
| | 0.209 | 0.208 |
| | 0.209 | 0.209 |
| | 0.210 | 0.210 |
| | 0.210 | 0.210 |
| | 0.209 | 0.210 |
| | 0.209 | 0.210 |
| | 0.207 | 0.208 |
| | 0.206 | 0.207 |
| | 0.207 | 0.207 |
| Mean: | 0.2084 | 0.2087 |
| SD: | 0.0013 | 0.0013 |
| Bias %: | 2.96 | 3.11 |
| CV %: | 0.62 | 0.62 |
| Mean-Ref. Value Difference: | 0.0060 | 0.0063 |

K Denton — 9/26/13

NAME OF TECHNICIAN PERFORMING TESTS — DATE

D. Jones — 10/22/13

NAME OF TECHNICIAN REVIEWING RESULTS — DATE

D3

DR4492

```
*************************
      WASHINGTON
    ALCOTEST 9510

SERIAL NO.:      ARAH-0093
TEST NO.:            00238
DATE:          09/26/2013
*************************
    SUPERVISOR TEST
*************************
              g/210L    TIME
DIAGNOSTIC OK           11:50
AIR BLANK     0.000     11:50
EXT STD IR    0.208     11:50
EXT STD EC    0.208     11:50
AIR BLANK     0.000     11:52
EXT STD IR    0.209     11:52
EXT STD EC    0.208     11:52
AIR BLANK     0.000     11:54
EXT STD IR    0.209     11:54
EXT STD EC    0.209     11:54
AIR BLANK     0.000     11:56
EXT STD IR    0.210     11:56
EXT STD EC    0.210     11:56
AIR BLANK     0.000     11:58
EXT STD IR    0.210     11:58
EXT STD EC    0.210     11:58
AIR BLANK     0.000     12:00
EXT STD IR    0.209     12:00
EXT STD EC    0.210     12:00
AIR BLANK     0.000     12:02
EXT STD IR    0.209     12:02
EXT STD EC    0.210     12:02
AIR BLANK     0.000     12:04
EXT STD IR    0.207     12:04
EXT STD EC    0.208     12:04
AIR BLANK     0.000     12:06
EXT STD IR    0.206     12:07
EXT STD EC    0.207     12:07
AIR BLANK     0.000     12:08
EXT STD IR    0.207     12:09
EXT STD EC    0.207     12:09
AIR BLANK     0.000     12:09
DIAGNOSTIC OK           12:10
*************************
OPERATOR SIGNATURE:
```

K Tsoff

## METHOD VALIDATION DRAEGER ALCOTEST 9510

DRAEGER ALCOTEST 9510 SERIAL NUMBER: ARAH-0093

DATE OF TESTS: 9/27/2013

| | I/R | E/C |
|---|---|---|
| **Simulator #:** | **DR4492** | **DR4492** |
| **Sim Therm#:** | **DR4492** | **DR4492** |
| **Batch#:** | **D00007** | **D00007** |
| **Reference Value:** | **0.2024** | **0.2024** |
| | 0.204 | 0.203 |
| | 0.206 | 0.205 |
| | 0.206 | 0.206 |
| | 0.206 | 0.206 |
| | 0.206 | 0.206 |
| | 0.207 | 0.207 |
| | 0.207 | 0.207 |
| | 0.207 | 0.206 |
| | 0.207 | 0.207 |
| | 0.207 | 0.207 |
| Mean: | 0.2063 | 0.2060 |
| SD: | 0.0009 | 0.0012 |
| Bias %: | 1.93 | 1.78 |
| CV %: | 0.44 | 0.58 |
| Mean-Ref. Value Difference: | 0.0039 | 0.0036 |

K Denton 9/27/13

NAME OF TECHNICIAN PERFORMING TESTS DATE

D. Jones 10/23/13

NAME OF TECHNICIAN REVIEWING RESULTS DATE

D4

DR4492

```
**************************
      WASHINGTON
     ALCOTEST 9510

SERIAL NO.:        ARAH-0093
TEST NO.:             00247
DATE:             09/27/2013
**************************
    SUPERVISOR TEST
**************************
              g/210L    TIME
DIAGNOSTIC OK           10:57
AIR BLANK     0.000     10:57
EXT STD IR    0.204     10:57
EXT STD EC    0.203     10:57
AIR BLANK     0.000     10:59
EXT STD IR    0.206     10:59
EXT STD EC    0.205     10:59
AIR BLANK     0.000     11:01
EXT STD IR    0.206     11:01
EXT STD EC    0.206     11:01
AIR BLANK     0.000     11:03
EXT STD IR    0.206     11:03
EXT STD EC    0.206     11:03
AIR BLANK     0.000     11:05
EXT STD IR    0.206     11:05
EXT STD EC    0.206     11:05
AIR BLANK     0.000     11:07
EXT STD IR    0.207     11:07
EXT STD EC    0.207     11:07
AIR BLANK     0.000     11:09
EXT STD IR    0.207     11:09
EXT STD EC    0.207     11:09
AIR BLANK     0.000     11:11
EXT STD IR    0.207     11:11
EXT STD EC    0.206     11:11
AIR BLANK     0.000     11:13
EXT STD IR    0.207     11:14
EXT STD EC    0.207     11:14
AIR BLANK     0.000     11:15
EXT STD IR    0.207     11:16
EXT STD EC    0.207     11:16
AIR BLANK     0.000     11:16
DIAGNOSTIC OK           11:17
**************************
OPERATOR SIGNATURE:
```

KTD

## METHOD VALIDATION DRAEGER ALCOTEST 9510

DRAEGER ALCOTEST 9510 SERIAL NUMBER: ARAH-0093

DATE OF TESTS: 9/29/2013

| | I/R | E/C |
|---|---|---|
| **Simulator #:** | **DR4492** | **DR4492** |
| **Sim Therm#:** | **DR4492** | **DR4492** |
| **Batch#:** | **D00007** | **D00007** |
| **Reference Value:** | **0.2024** | **0.2024** |
| | 0.202 | 0.203 |
| | 0.204 | 0.204 |
| | 0.204 | 0.205 |
| | 0.204 | 0.204 |
| | 0.204 | 0.204 |
| | 0.205 | 0.205 |
| | 0.205 | 0.204 |
| | 0.205 | 0.204 |
| | 0.205 | 0.205 |
| | 0.205 | 0.204 |
| Mean: | 0.2043 | 0.2042 |
| SD: | 0.0009 | 0.0006 |
| Bias %: | 0.94 | 0.89 |
| CV %: | 0.44 | 0.29 |
| Mean-Ref. Value Difference: | 0.0019 | 0.0018 |

K Denton 9/29/13

NAME OF TECHNICIAN PERFORMING TESTS DATE

D. Jones 10/23/13

NAME OF TECHNICIAN REVIEWING RESULTS DATE

DS DR4492

**********

WASHINGTON
ALCOTEST 9510

SERIAL NO.: ARAH-0093
TEST NO.: 00260
DATE: 09/29/2013

**********

SUPERVISOR TEST

**********

| | g/210L | TIME |
|---|---|---|
| DIAGNOSTIC | OK | 12:57 |
| AIR BLANK | 0.000 | 12:57 |
| EXT STD IR | 0.202 | 12:57 |
| EXT STD EC | 0.203 | 12:57 |
| AIR BLANK | 0.000 | 12:59 |
| EXT STD IR | 0.204 | 12:59 |
| EXT STD EC | 0.204 | 12:59 |
| AIR BLANK | 0.000 | 13:01 |
| EXT STD IR | 0.204 | 13:01 |
| EXT STD EC | 0.205 | 13:01 |
| AIR BLANK | 0.000 | 13:03 |
| EXT STD IR | 0.204 | 13:03 |
| EXT STD EC | 0.204 | 13:03 |
| AIR BLANK | 0.000 | 13:05 |
| EXT STD IR | 0.204 | 13:05 |
| EXT STD EC | 0.204 | 13:05 |
| AIR BLANK | 0.000 | 13:07 |
| EXT STD IR | 0.205 | 13:07 |
| EXT STD EC | 0.205 | 13:07 |
| AIR BLANK | 0.000 | 13:09 |
| EXT STD IR | 0.205 | 13:09 |
| EXT STD EC | 0.204 | 13:09 |
| AIR BLANK | 0.000 | 13:11 |
| EXT STD IR | 0.205 | 13:11 |
| EXT STD EC | 0.204 | 13:11 |
| AIR BLANK | 0.000 | 13:13 |
| EXT STD IR | 0.205 | 13:14 |
| EXT STD EC | 0.205 | 13:14 |
| AIR BLANK | 0.000 | 13:15 |
| EXT STD IR | 0.205 | 13:16 |
| EXT STD EC | 0.204 | 13:16 |
| AIR BLANK | 0.000 | 13:16 |
| DIAGNOSTIC | OK | 13:17 |

**********

OPERATOR SIGNATURE:

K Dent

# TEST DOCUMENTS

# INSTRUMENT SERIAL NUMBER
# ARAH-0093

# BATCH D00008

## METHOD VALIDATION DRAEGER ALCOTEST 9510

DRAEGER ALCOTEST 9510 SERIAL NUMBER: ARAH-0093

DATE OF TESTS: 9/24/2013

| | I/R | E/C |
|---|---|---|
| **Simulator #:** | **DR4492** | **DR4492** |
| **Sim Therm#:** | **DR4492** | **DR4492** |
| **Batch#:** | **D00008** | **D00008** |
| **Reference Value:** | **0.3044** | **0.3044** |
| | 0.301 | 0.301 |
| | 0.305 | 0.307 |
| | 0.306 | 0.309 |
| | 0.307 | 0.309 |
| | 0.308 | 0.310 |
| | 0.309 | 0.311 |
| | 0.310 | 0.311 |
| | 0.311 | 0.311 |
| | 0.311 | 0.311 |
| | 0.310 | 0.310 |
| Mean: | 0.3078 | 0.3090 |
| SD: | 0.0032 | 0.0031 |
| Bias %: | 1.12 | 1.51 |
| CV %: | 1.04 | 1.00 |
| Mean-Ref. Value Difference: | 0.0034 | 0.0046 |

K. Denton 9/24/13

NAME OF TECHNICIAN PERFORMING TESTS DATE

D. Jones 10/23/13

NAME OF TECHNICIAN REVIEWING RESULTS DATE

DI DR4492

```
************************
      WASHINGTON
     ALCOTEST 9510

SERIAL NO.:      ARAH-0093
TEST NO.:            00215
DATE:           09/24/2013
************************
    SUPERVISOR TEST
************************
              g/210L    TIME
DIAGNOSTIC OK          16:50
AIR BLANK     0.000    16:51
EXT STD IR    0.301    16:51
EXT STD EC    0.301    16:51
AIR BLANK     0.000    16:53
EXT STD IR    0.305    16:53
EXT STD EC    0.307    16:53
AIR BLANK     0.000    16:55
EXT STD IR    0.306    16:55
EXT STD EC    0.309    16:55
AIR BLANK     0.000    16:57
EXT STD IR    0.307    16:57
EXT STD EC    0.309    16:57
AIR BLANK     0.000    16:59
EXT STD IR    0.308    16:59
EXT STD EC    0.310    16:59
AIR BLANK     0.000    17:01
EXT STD IR    0.309    17:02
EXT STD EC    0.311    17:02
AIR BLANK     0.000    17:03
EXT STD IR    0.310    17:04
EXT STD EC    0.311    17:04
AIR BLANK     0.000    17:06
EXT STD IR    0.311    17:06
EXT STD EC    0.311    17:06
AIR BLANK     0.000    17:08
EXT STD IR    0.311    17:08
EXT STD EC    0.311    17:08
AIR BLANK     0.000    17:10
EXT STD IR    0.310    17:10
EXT STD EC    0.310    17:10
AIR BLANK     0.000    17:11
DIAGNOSTIC OK          17:12
************************
OPERATOR SIGNATURE:
K. Tst
```

## METHOD VALIDATION DRAEGER ALCOTEST 9510

DRAEGER ALCOTEST 9510 SERIAL NUMBER: ARAH-0093

DATE OF TESTS: 9/25/2013

| | I/R | E/C |
|---|---|---|
| **Simulator #:** | **DR4492** | **DR4492** |
| **Sim Therm#:** | **DR4492** | **DR4492** |
| **Batch#:** | **D00008** | **D00008** |
| **Reference Value:** | **0.3044** | **0.3044** |
| | 0.303 | 0.303 |
| | 0.304 | 0.303 |
| | 0.305 | 0.304 |
| | 0.306 | 0.305 |
| | 0.308 | 0.306 |
| | 0.309 | 0.306 |
| | 0.309 | 0.306 |
| | 0.310 | 0.307 |
| | 0.310 | 0.307 |
| | 0.309 | 0.306 |
| Mean: | 0.3073 | 0.3053 |
| SD: | 0.0026 | 0.0015 |
| Bias %: | 0.95 | 0.30 |
| CV %: | 0.85 | 0.49 |
| Mean-Ref. Value Difference: | 0.0029 | 0.0009 |

K. Denton — 9/25/13

NAME OF TECHNICIAN PERFORMING TESTS — DATE

D. Jones — 10/2/13

NAME OF TECHNICIAN REVIEWING RESULTS — DATE

D2 DR4492

```
**********************
WASHINGTON
ALCOTEST 9510

SERIAL NO.:      ARAH-0093
TEST NO.:            00230
DATE:          09/25/2013
**********************
SUPERVISOR TEST
**********************
                g/210L   TIME
DIAGNOSTIC OK            15:03
AIR BLANK       0.000    15:03
EXT STD IR      0.303    15:04
EXT STD EC      0.303    15:04
AIR BLANK       0.000    15:05
EXT STD IR      0.304    15:06
EXT STD EC      0.303    15:06
AIR BLANK       0.000    15:08
EXT STD IR      0.305    15:08
EXT STD EC      0.304    15:08
AIR BLANK       0.000    15:10
EXT STD IR      0.306    15:10
EXT STD EC      0.305    15:10
AIR BLANK       0.000    15:12
EXT STD IR      0.308    15:12
EXT STD EC      0.306    15:12
AIR BLANK       0.000    15:14
EXT STD IR      0.309    15:14
EXT STD EC      0.306    15:14
AIR BLANK       0.000    15:16
EXT STD IR      0.309    15:17
EXT STD EC      0.306    15:17
AIR BLANK       0.000    15:18
EXT STD IR      0.310    15:19
EXT STD EC      0.307    15:19
AIR BLANK       0.000    15:21
EXT STD IR      0.310    15:21
EXT STD EC      0.307    15:21
AIR BLANK       0.000    15:23
EXT STD IR      0.309    15:23
EXT STD EC      0.306    15:23
AIR BLANK       0.000    15:24
DIAGNOSTIC OK            15:25
**********************
OPERATOR SIGNATURE:
```

KLD

## METHOD VALIDATION DRAEGER ALCOTEST 9510

DRAEGER ALCOTEST 9510 SERIAL NUMBER: ARAH-0093

DATE OF TESTS: 9/26/2013

| | I/R | E/C |
|---|---|---|
| **Simulator #:** | **DR4492** | **DR4492** |
| **Sim Therm#:** | **DR4492** | **DR4492** |
| **Batch#:** | **D00008** | **D00008** |
| **Reference Value:** | **0.3044** | **0.3044** |
| | 0.299 | 0.297 |
| | 0.302 | 0.300 |
| | 0.304 | 0.303 |
| | 0.305 | 0.305 |
| | 0.307 | 0.305 |
| | 0.307 | 0.305 |
| | 0.308 | 0.305 |
| | 0.307 | 0.304 |
| | 0.305 | 0.301 |
| | 0.305 | 0.301 |
| Mean: | 0.3049 | 0.3026 |
| SD: | 0.0027 | 0.0028 |
| Bias %: | 0.16 | -0.59 |
| CV %: | 0.89 | 0.93 |
| Mean-Ref. Value Difference: | 0.0005 | -0.0018 |

K Denton 9/26/13

NAME OF TECHNICIAN PERFORMING TESTS DATE

D. Jones 10/22/13

NAME OF TECHNICIAN REVIEWING RESULTS DATE

D3 DR4492

```
************************
      WASHINGTON
     ALCOTEST 9510

SERIAL NO.:      ARAH-0093
TEST NO.:           00239
DATE:           09/26/2013
************************
    SUPERVISOR TEST
************************
              g/210L    TIME
DIAGNOSTIC OK          13:00
AIR BLANK     0.000    13:00
EXT STD IR    0.299    13:00
EXT STD EC    0.297    13:00
AIR BLANK     0.000    13:02
EXT STD IR    0.302    13:03
EXT STD EC    0.300    13:03
AIR BLANK     0.000    13:04
EXT STD IR    0.304    13:05
EXT STD EC    0.303    13:05
AIR BLANK     0.000    13:06
EXT STD IR    0.305    13:07
EXT STD EC    0.305    13:07
AIR BLANK     0.000    13:08
EXT STD IR    0.307    13:09
EXT STD EC    0.305    13:09
AIR BLANK     0.000    13:11
EXT STD IR    0.307    13:11
EXT STD EC    0.305    13:11
AIR BLANK     0.000    13:13
EXT STD IR    0.308    13:13
EXT STD EC    0.305    13:13
AIR BLANK     0.000    13:15
EXT STD IR    0.307    13:15
EXT STD EC    0.304    13:15
AIR BLANK     0.000    13:17
EXT STD IR    0.305    13:17
EXT STD EC    0.301    13:17
AIR BLANK     0.000    13:19
EXT STD IR    0.305    13:19
EXT STD EC    0.301    13:19
AIR BLANK     0.000    13:20
DIAGNOSTIC OK          13:21
************************
OPERATOR SIGNATURE:
```

KTott

## METHOD VALIDATION DRAEGER ALCOTEST 9510

DRAEGER ALCOTEST 9510 SERIAL NUMBER: ARAH-0093

DATE OF TESTS: 9/27/2013

| | I/R | E/C |
|---|---|---|
| **Simulator #:** | **DR4492** | **DR4492** |
| **Sim Therm#:** | **DR4492** | **DR4492** |
| **Batch#:** | **D00008** | **D00008** |
| **Reference Value:** | **0.3044** | **0.3044** |
| | 0.306 | 0.306 |
| | 0.306 | 0.305 |
| | 0.307 | 0.305 |
| | 0.308 | 0.306 |
| | 0.310 | 0.307 |
| | 0.310 | 0.307 |
| | 0.311 | 0.307 |
| | 0.311 | 0.307 |
| | 0.311 | 0.306 |
| | 0.311 | 0.305 |
| Mean: | 0.3091 | 0.3061 |
| SD: | 0.0021 | 0.0009 |
| Bias %: | 1.54 | 0.56 |
| CV %: | 0.68 | 0.29 |
| Mean-Ref. Value Difference: | 0.0047 | 0.0017 |

K Denton 9/27/13

NAME OF TECHNICIAN PERFORMING TESTS DATE

D. Jones 10/23/13

NAME OF TECHNICIAN REVIEWING RESULTS DATE

D4 DR4492

```
************************
     WASHINGTON
   ALCOTEST 9510

SERIAL NO.:      ARAH-0093
TEST NO.:            00248
DATE:          09/27/2013
************************
   SUPERVISOR TEST
************************
              g/210L    TIME
DIAGNOSTIC OK           11:31
AIR BLANK     0.000     11:31
EXT STD IR    0.306     11:31
EXT STD EC    0.306     11:31
AIR BLANK     0.000     11:33
EXT STD IR    0.306     11:33
EXT STD EC    0.305     11:33
AIR BLANK     0.000     11:35
EXT STD IR    0.307     11:36
EXT STD EC    0.305     11:36
AIR BLANK     0.000     11:37
EXT STD IR    0.308     11:38
EXT STD EC    0.306     11:38
AIR BLANK     0.000     11:39
EXT STD IR    0.310     11:40
EXT STD EC    0.307     11:40
AIR BLANK     0.000     11:42
EXT STD IR    0.310     11:42
EXT STD EC    0.307     11:42
AIR BLANK     0.000     11:44
EXT STD IR    0.311     11:44
EXT STD EC    0.307     11:44
AIR BLANK     0.000     11:46
EXT STD IR    0.311     11:46
EXT STD EC    0.307     11:46
AIR BLANK     0.000     11:48
EXT STD IR    0.311     11:48
EXT STD EC    0.306     11:48
AIR BLANK     0.000     11:50
EXT STD IR    0.311     11:51
EXT STD EC    0.305     11:51
AIR BLANK     0.000     11:51
DIAGNOSTIC OK           11:52
************************
OPERATOR SIGNATURE:
K Ref
```

## METHOD VALIDATION DRAEGER ALCOTEST 9510

DRAEGER ALCOTEST 9510 SERIAL NUMBER: ARAH-0093

DATE OF TESTS: 9/29/2013

| | I/R | E/C |
|---|---|---|
| **Simulator #:** | **DR4492** | **DR4492** |
| **Sim Therm#:** | **DR4492** | **DR4492** |
| **Batch#:** | **D00008** | **D00008** |
| **Reference Value:** | **0.3044** | **0.3044** |
| | 0.310 | 0.309 |
| | 0.310 | 0.308 |
| | 0.310 | 0.308 |
| | 0.310 | 0.307 |
| | 0.310 | 0.306 |
| | 0.310 | 0.306 |
| | 0.310 | 0.305 |
| | 0.310 | 0.305 |
| | 0.310 | 0.304 |
| | 0.309 | 0.304 |
| Mean: | 0.3099 | 0.3062 |
| SD: | 0.0003 | 0.0018 |
| Bias %: | 1.81 | 0.59 |
| CV %: | 0.10 | 0.59 |
| Mean-Ref. Value Difference: | 0.0055 | 0.0018 |

K. Denton 9/29/13

NAME OF TECHNICIAN PERFORMING TESTS DATE

D. Jones 10/23/13

NAME OF TECHNICIAN REVIEWING RESULTS DATE

D5

DR4492

```
**************************
      WASHINGTON
     ALCOTEST 9510

SERIAL NO.:      ARAH-0093
TEST NO.:            00261
DATE:           09/29/2013
**************************
    SUPERVISOR TEST
**************************
              g/210L    TIME
DIAGNOSTIC OK          13:32
AIR BLANK     0.000    13:33
EXT STD IR    0.310    13:33
EXT STD EC    0.309    13:33
AIR BLANK     0.000    13:35
EXT STD IR    0.310    13:35
EXT STD EC    0.308    13:35
AIR BLANK     0.000    13:37
EXT STD IR    0.310    13:37
EXT STD EC    0.308    13:37
AIR BLANK     0.000    13:39
EXT STD IR    0.310    13:39
EXT STD EC    0.307    13:39
AIR BLANK     0.000    13:41
EXT STD IR    0.310    13:42
EXT STD EC    0.306    13:42
AIR BLANK     0.000    13:43
EXT STD IR    0.310    13:44
EXT STD EC    0.306    13:44
AIR BLANK     0.000    13:45
EXT STD IR    0.310    13:46
EXT STD EC    0.305    13:46
AIR BLANK     0.000    13:48
EXT STD IR    0.310    13:48
EXT STD EC    0.305    13:48
AIR BLANK     0.000    13:50
EXT STD IR    0.310    13:50
EXT STD EC    0.304    13:50
AIR BLANK     0.000    13:52
EXT STD IR    0.309    13:52
EXT STD EC    0.304    13:52
AIR BLANK     0.000    13:53
DIAGNOSTIC OK          13:54
**************************
OPERATOR SIGNATURE:
```

# TEST DOCUMENTS

# INSTRUMENT SERIAL NUMBER
# ARAH-0093

# BATCH D00009

## METHOD VALIDATION DRAEGER ALCOTEST 9510

DRAEGER ALCOTEST 9510 SERIAL NUMBER: ARAH-0093

DATE OF TESTS: 9/24/2013

| | I/R | E/C |
|---|---|---|
| **Simulator #:** | DR4492 | DR4492 |
| **Sim Therm#:** | DR4492 | DR4492 |
| **Batch#:** | D00009 | D00009 |
| **Reference Value:** | **0.4026** | **0.4026** |
| | 0.405 | 0.407 |
| | 0.409 | 0.412 |
| | 0.413 | 0.414 |
| | 0.414 | 0.415 |
| | 0.415 | 0.416 |
| | 0.414 | 0.414 |
| | 0.414 | 0.412 |
| | 0.412 | 0.410 |
| | 0.411 | 0.408 |
| | 0.412 | 0.409 |
| Mean: | 0.4119 | 0.4117 |
| SD: | 0.0030 | 0.0031 |
| Bias %: | 2.31 | 2.26 |
| CV %: | 0.73 | 0.75 |
| Mean-Ref. Value Difference: | 0.0093 | 0.0091 |

K. Denton — 9/24/13

NAME OF TECHNICIAN PERFORMING TESTS — DATE

D. Jones — 10/23/13

NAME OF TECHNICIAN REVIEWING RESULTS — DATE

D1 DR4492

```
*************************
      WASHINGTON
    ALCOTEST 9510

SERIAL NO.:      ARAH-0093
TEST NO.:            00216
DATE:          09/24/2013
*************************
   SUPERVISOR TEST
*************************
              g/210L   TIME
DIAGNOSTIC OK          17:44
AIR BLANK     0.000    17:44
EXT STD IR    0.405    17:45
EXT STD EC    0.407    17:45
AIR BLANK     0.000    17:47
EXT STD IR    0.409    17:47
EXT STD EC    0.412    17:47
AIR BLANK     0.000    17:49
EXT STD IR    0.413    17:49
EXT STD EC    0.414    17:49
AIR BLANK     0.000    17:51
EXT STD IR    0.414    17:51
EXT STD EC    0.415    17:51
AIR BLANK     0.000    17:53
EXT STD IR    0.415    17:54
EXT STD EC    0.416    17:54
AIR BLANK     0.000    17:56
EXT STD IR    0.414    17:56
EXT STD EC    0.414    17:56
AIR BLANK     0.000    17:58
EXT STD IR    0.414    17:58
EXT STD EC    0.412    17:58
AIR BLANK     0.000    18:00
EXT STD IR    0.412    18:00
EXT STD EC    0.410    18:00
AIR BLANK     0.000    18:02
EXT STD IR    0.411    18:03
EXT STD EC    0.408    18:03
AIR BLANK     0.000    18:05
EXT STD IR    0.412    18:05
EXT STD EC    0.409    18:05
AIR BLANK     0.000    18:06
DIAGNOSTIC OK          18:07
*************************
OPERATOR SIGNATURE:
```

## METHOD VALIDATION DRAEGER ALCOTEST 9510

DRAEGER ALCOTEST 9510 SERIAL NUMBER: ARAH-0093

DATE OF TESTS: 9/25/2013

| | I/R | E/C |
|---|---|---|
| **Simulator #:** | **DR4492** | **DR4492** |
| **Sim Therm#:** | **DR4492** | **DR4492** |
| **Batch#:** | **D00009** | **D00009** |
| **Reference Value:** | **0.4026** | **0.4026** |
| | 0.398 | 0.397 |
| | 0.406 | 0.405 |
| | 0.409 | 0.408 |
| | 0.410 | 0.407 |
| | 0.411 | 0.408 |
| | 0.412 | 0.408 |
| | 0.409 | 0.404 |
| | 0.408 | 0.402 |
| | 0.410 | 0.404 |
| | 0.411 | 0.405 |
| Mean: | 0.4084 | 0.4048 |
| SD: | 0.0040 | 0.0034 |
| Bias %: | 1.44 | 0.55 |
| CV %: | 0.98 | 0.84 |
| Mean-Ref. Value Difference: | 0.0058 | 0.0022 |

K. Denton 9/25/13

NAME OF TECHNICIAN PERFORMING TESTS DATE

D. Jones 10/2/13

NAME OF TECHNICIAN REVIEWING RESULTS DATE

D2 DR4492

```
************************
      WASHINGTON
    ALCOTEST 9510

SERIAL NO.:      ARAH-0093
TEST NO.:            00231
DATE:           09/25/2013
************************
    SUPERVISOR TEST
************************
            g/210L    TIME
DIAGNOSTIC OK         15:54
AIR BLANK    0.000    15:54
EXT STD IR   0.398    15:55
EXT STD EC   0.397    15:55
AIR BLANK    0.000    15:56
EXT STD IR   0.406    15:57
EXT STD EC   0.405    15:57
AIR BLANK    0.000    15:59
EXT STD IR   0.409    15:59
EXT STD EC   0.408    15:59
AIR BLANK    0.000    16:01
EXT STD IR   0.410    16:01
EXT STD EC   0.407    16:01
AIR BLANK    0.000    16:03
EXT STD IR   0.411    16:04
EXT STD EC   0.408    16:04
AIR BLANK    0.000    16:05
EXT STD IR   0.412    16:06
EXT STD EC   0.408    16:06
AIR BLANK    0.000    16:08
EXT STD IR   0.409    16:08
EXT STD EC   0.404    16:08
AIR BLANK    0.000    16:10
EXT STD IR   0.408    16:10
EXT STD EC   0.402    16:10
AIR BLANK    0.000    16:12
EXT STD IR   0.410    16:13
EXT STD EC   0.404    16:13
AIR BLANK    0.000    16:15
EXT STD IR   0.411    16:15
EXT STD EC   0.405    16:15
AIR BLANK    0.000    16:16
DIAGNOSTIC OK         16:17
************************
OPERATOR SIGNATURE:
```

## METHOD VALIDATION DRAEGER ALCOTEST 9510

DRAEGER ALCOTEST 9510 SERIAL NUMBER: ARAH-0093

DATE OF TESTS: 9/26/2013

| | I/R | E/C |
|---|---|---|
| Simulator #: | DR4492 | DR4492 |
| Sim Therm#: | DR4492 | DR4492 |
| Batch#: | D00009 | D00009 |
| Reference Value: | 0.4026 | 0.4026 |
| | 0.402 | 0.400 |
| | 0.403 | 0.400 |
| | 0.405 | 0.401 |
| | 0.405 | 0.401 |
| | 0.404 | 0.399 |
| | 0.405 | 0.399 |
| | 0.407 | 0.400 |
| | 0.408 | 0.401 |
| | 0.408 | 0.400 |
| | 0.407 | 0.399 |
| Mean: | 0.4054 | 0.4000 |
| SD: | 0.0021 | 0.0008 |
| Bias %: | 0.70 | -0.65 |
| CV %: | 0.52 | 0.20 |
| Mean-Ref. Value Difference: | 0.0028 | -0.0026 |

K. Denton 9/26/13

NAME OF TECHNICIAN PERFORMING TESTS DATE

D. Jones 10/22/13

NAME OF TECHNICIAN REVIEWING RESULTS DATE

D3

DR4492

```
************************
     WASHINGTON
   ALCOTEST 9510

SERIAL NO.:      ARAH-0093
TEST NO.:            00240
DATE:          09/26/2013
************************
   SUPERVISOR TEST
************************
              g/210L   TIME
DIAGNOSTIC OK          13:58
AIR BLANK     0.000    13:58
EXT STD IR    0.402    13:58
EXT STD EC    0.400    13:58
AIR BLANK     0.000    14:00
EXT STD IR    0.403    14:00
EXT STD EC    0.400    14:00
AIR BLANK     0.000    14:02
EXT STD IR    0.405    14:02
EXT STD EC    0.401    14:02
AIR BLANK     0.000    14:04
EXT STD IR    0.405    14:05
EXT STD EC    0.401    14:05
AIR BLANK     0.000    14:06
EXT STD IR    0.404    14:07
EXT STD EC    0.399    14:07
AIR BLANK     0.000    14:09
EXT STD IR    0.405    14:09
EXT STD EC    0.399    14:09
AIR BLANK     0.000    14:11
EXT STD IR    0.407    14:11
EXT STD EC    0.400    14:11
AIR BLANK     0.000    14:13
EXT STD IR    0.408    14:14
EXT STD EC    0.401    14:14
AIR BLANK     0.000    14:15
EXT STD IR    0.408    14:16
EXT STD EC    0.400    14:16
AIR BLANK     0.000    14:18
EXT STD IR    0.407    14:18
EXT STD EC    0.399    14:18
AIR BLANK     0.000    14:19
DIAGNOSTIC OK          14:20
************************
OPERATOR SIGNATURE:
```

KT

## METHOD VALIDATION DRAEGER ALCOTEST 9510

DRAEGER ALCOTEST 9510 SERIAL NUMBER: ARAH-0093

DATE OF TESTS: 9/27/2013

| | I/R | E/C |
|---|---|---|
| **Simulator #:** | **DR4492** | **DR4492** |
| **Sim Therm#:** | **DR4492** | **DR4492** |
| **Batch#:** | **D00009** | **D00009** |
| **Reference Value:** | **0.4026** | **0.4026** |
| | 0.397 | 0.392 |
| | 0.404 | 0.398 |
| | 0.406 | 0.401 |
| | 0.405 | 0.399 |
| | 0.404 | 0.397 |
| | 0.405 | 0.398 |
| | 0.407 | 0.399 |
| | 0.408 | 0.400 |
| | 0.409 | 0.400 |
| | 0.408 | 0.398 |
| Mean: | 0.4053 | 0.3982 |
| SD: | 0.0034 | 0.0025 |
| Bias %: | 0.67 | -1.09 |
| CV %: | 0.84 | 0.63 |
| Mean-Ref. Value Difference: | 0.0027 | -0.0044 |

K. Denton — 9/27/13

NAME OF TECHNICIAN PERFORMING TESTS — DATE

D. Jones — 10/23/13

NAME OF TECHNICIAN REVIEWING RESULTS — DATE

D4 DR4492

```
*************************
      WASHINGTON
    ALCOTEST 9510

SERIAL NO.:      ARAH-0093
TEST NO.:            00249
DATE:          09/27/2013
*************************
    SUPERVISOR TEST
*************************
                g/210L   TIME
DIAGNOSTIC OK            12:23
AIR BLANK       0.000    12:23
EXT STD IR      0.397    12:23
EXT STD EC      0.392    12:23
AIR BLANK       0.000    12:25
EXT STD IR      0.404    12:26
EXT STD EC      0.398    12:26
AIR BLANK       0.000    12:27
EXT STD IR      0.406    12:28
EXT STD EC      0.401    12:28
AIR BLANK       0.000    12:30
EXT STD IR      0.405    12:30
EXT STD EC      0.399    12:30
AIR BLANK       0.000    12:32
EXT STD IR      0.404    12:32
EXT STD EC      0.397    12:32
AIR BLANK       0.000    12:34
EXT STD IR      0.405    12:35
EXT STD EC      0.398    12:35
AIR BLANK       0.000    12:36
EXT STD IR      0.407    12:37
EXT STD EC      0.399    12:37
AIR BLANK       0.000    12:39
EXT STD IR      0.408    12:39
EXT STD EC      0.400    12:39
AIR BLANK       0.000    12:41
EXT STD IR      0.409    12:41
EXT STD EC      0.400    12:41
AIR BLANK       0.000    12:43
EXT STD IR      0.408    12:44
EXT STD EC      0.398    12:44
AIR BLANK       0.000    12:44
DIAGNOSTIC OK            12:45
*************************
OPERATOR SIGNATURE:
```

K Dell

## METHOD VALIDATION DRAEGER ALCOTEST 9510

DRAEGER ALCOTEST 9510 SERIAL NUMBER: ARAH-0093

DATE OF TESTS: 9/29/2013

| | I/R | E/C |
|---|---|---|
| **Simulator #:** | **DR4492** | **DR4492** |
| **Sim Therm#:** | **DR4492** | **DR4492** |
| **Batch#:** | **D00009** | **D00009** |
| **Reference Value:** | **0.4026** | **0.4026** |
| | 0.407 | 0.402 |
| | 0.410 | 0.405 |
| | 0.410 | 0.405 |
| | 0.412 | 0.405 |
| | 0.412 | 0.405 |
| | 0.412 | 0.404 |
| | 0.413 | 0.404 |
| | 0.411 | 0.401 |
| | 0.412 | 0.401 |
| | 0.411 | 0.400 |
| Mean: | 0.4110 | 0.4032 |
| SD: | 0.0017 | 0.0020 |
| Bias %: | 2.09 | 0.15 |
| CV %: | 0.41 | 0.50 |
| Mean-Ref. Value Difference: | 0.0084 | 0.0006 |

K Denton — 9/29/13

NAME OF TECHNICIAN PERFORMING TESTS — DATE

D Jones — 10/23/13

NAME OF TECHNICIAN REVIEWING RESULTS — DATE

DR4492

**********

WASHINGTON
ALCOTEST 9510 D5

SERIAL NO.: ARAH-0093
TEST NO.: 00262
DATE: 09/29/2013

**********

SUPERVISOR TEST

**********

| | g/210L | TIME |
|---|---|---|
| DIAGNOSTIC OK | | 14:12 |
| AIR BLANK | 0.000 | 14:13 |
| EXT STD IR | 0.407 | 14:13 |
| EXT STD EC | 0.402 | 14:13 |
| AIR BLANK | 0.000 | 14:15 |
| EXT STD IR | 0.410 | 14:15 |
| EXT STD EC | 0.405 | 14:15 |
| AIR BLANK | 0.000 | 14:17 |
| EXT STD IR | 0.410 | 14:17 |
| EXT STD EC | 0.405 | 14:17 |
| AIR BLANK | 0.000 | 14:19 |
| EXT STD IR | 0.412 | 14:20 |
| EXT STD EC | 0.405 | 14:20 |
| AIR BLANK | 0.000 | 14:22 |
| EXT STD IR | 0.412 | 14:22 |
| EXT STD EC | 0.405 | 14:22 |
| AIR BLANK | 0.000 | 14:24 |
| EXT STD IR | 0.412 | 14:24 |
| EXT STD EC | 0.404 | 14:24 |
| AIR BLANK | 0.000 | 14:26 |
| EXT STD IR | 0.413 | 14:26 |
| EXT STD EC | 0.404 | 14:26 |
| AIR BLANK | 0.000 | 14:28 |
| EXT STD IR | 0.411 | 14:29 |
| EXT STD EC | 0.401 | 14:29 |
| AIR BLANK | 0.000 | 14:31 |
| EXT STD IR | 0.412 | 14:31 |
| EXT STD EC | 0.401 | 14:31 |
| AIR BLANK | 0.000 | 14:33 |
| EXT STD IR | 0.411 | 14:33 |
| EXT STD EC | 0.400 | 14:33 |
| AIR BLANK | 0.000 | 14:34 |
| DIAGNOSTIC OK | | 14:35 |

**********

OPERATOR SIGNATURE:

K Denton