METHOD VALIDATION DRAEGER ALCOTEST 9510
LIMIT OF DETECTION AND QUANTIFICATION TESTING

DRAEGER ALCOTEST 9510 SERIAL NUMBER: ARAF-0021

	I/R	E/C
Simulator #:	DR4760	DR4760
Sim Therm#:	DR4760	DR4760
QAP Batch#:	WATER	WATER
Reference Value:	WATER	WATER
	0.000	0.000
	0.000	0.000
	0.000	0.000
	0.000	0.000
	0.000	0.000
Mean:	0.0000	0.0000
SD:	0.0000	0.0000
Bias %:	#VALUE!	#VALUE!
CV %:	#DIV/0!	#DIV/0!

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

SERIAL NO.:      ARAF-0021
TEST NO.:            00047
DATE:          04/24/2013
*************************
    SUPERVISOR TEST
*************************
            g/210L    TIME
DIAGNOSTIC OK         08:45
AIR BLANK    0.000    08:45
EXT STD IR   0.000    08:46
EXT STD EC   0.000    08:46
AIR BLANK    0.000    08:47
EXT STD IR   0.000    08:47
EXT STD EC   0.000    08:47
AIR BLANK    0.000    08:48
EXT STD IR   0.000    08:49
EXT STD EC   0.000    08:49
AIR BLANK    0.000    08:50
EXT STD IR   0.000    08:50
EXT STD EC   0.000    08:50
AIR BLANK    0.000    08:51
EXT STD IR   0.000    08:52
EXT STD EC   0.000    08:52
AIR BLANK    0.000    08:52
DIAGNOSTIC OK         08:53
*************************
OPERATOR SIGNATURE:
```

A. HAVENNER 4.24.13

NAME OF TECHNICIAN PERFORMING TESTS DATE

Ruth Cramer 4-24-13

NAME OF TECHNICIAN REVIEWING RESULTS DATE

$CV = \left(\frac{S.D}{x}\right) \times 100$ T4 dp T4 dp

= round 2 d.p.

$S.E. = \left(\frac{x - t_{avg}}{t_{avg}}\right) \times 100$ all T dp.

(bias) = round 2 d.p.

Printout, data, calc's
FC

METHOD VALIDATION DRAEGER ALCOTEST 9510
LIMIT OF DETECTION AND QUANTIFICATION TESTING

DRAEGER ALCOTEST 9510 SERIAL NUMBER: ARAF-0021

	I/R	E/C
Simulator #:	**DR4761**	**DR4761**
Sim Therm#:	**DR4761**	**DR4761**
QAP Batch#:	**T00011**	**T00011**
Reference Value:	**0.0102**	**0.0102**
	0.011	0.011
	0.010	0.010
	0.010	0.010
	0.010	0.010
	0.011	0.011
Mean:	0.0104	0.0104
SD:	0.0005	0.0005
Bias %:	1.96	1.96
CV %:	4.81	4.81

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

SERIAL NO.:      ARAF-0021
TEST NO.:            00048
DATE:           04/24/2013
************************
    SUPERVISOR TEST
************************
              g/210L    TIME
DIAGNOSTIC OK           09:04
AIR BLANK     0.000     09:05
EXT STD IR    0.011     09:05
EXT STD EC    0.011     09:05
AIR BLANK     0.000     09:06
EXT STD IR    0.010     09:07
EXT STD EC    0.010     09:07
AIR BLANK     0.000     09:08
EXT STD IR    0.010     09:08
EXT STD EC    0.010     09:08
AIR BLANK     0.000     09:10
EXT STD IR    0.010     09:10
EXT STD EC    0.010     09:10
AIR BLANK     0.000     09:11
EXT STD IR    0.011     09:12
EXT STD EC    0.011     09:12
AIR BLANK     0.000     09:12
DIAGNOSTIC OK           09:13
************************
OPERATOR SIGNATURE:
```

A. HAVENNER 4-24-13

NAME OF TECHNICIAN PERFORMING TESTS DATE

Ruth Cramer 4-24-13

NAME OF TECHNICIAN REVIEWING RESULTS DATE

FC

METHOD VALIDATION DRAEGER ALCOTEST 9510
LIMIT OF DETECTION AND QUANTIFICATION TESTING

DRAEGER ALCOTEST 9510 SERIAL NUMBER: ARAF-0021

	I/R	E/C
Simulator #:	**DR4760**	**DR4760**
Sim Therm#:	**DR4760**	**DR4760**
QAP Batch#:	**T00012**	**T00012**
Reference Value:	**0.0150**	**0.0150**
	0.014	0.014
	0.014	0.015
	0.014	0.015
	0.014	0.015
	0.014	0.015
Mean:	0.0140	0.0148
SD:	0.0000	0.0004
Bias %:	-6.67	-1.33
CV %:	0.00	2.70

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

SERIAL NO.:      ARAF-0021
TEST NO.:            00049
DATE:           04/24/2013
************************
   SUPERVISOR TEST
************************
              g/210L    TIME
DIAGNOSTIC OK           09:26
AIR BLANK    0.000      09:26
EXT STD IR   0.014      09:27
EXT STD EC   0.014      09:27
AIR BLANK    0.000      09:28
EXT STD IR   0.014      09:28
EXT STD EC   0.015      09:28
AIR BLANK    0.000      09:30
EXT STD IR   0.014      09:30
EXT STD EC   0.015      09:30
AIR BLANK    0.000      09:31
EXT STD IR   0.014      09:32
EXT STD EC   0.015      09:32
AIR BLANK    0.000      09:33
EXT STD IR   0.014      09:34
EXT STD EC   0.015      09:34
AIR BLANK    0.000      09:34
DIAGNOSTIC OK           09:35
************************
OPERATOR SIGNATURE:
```

A. HAVENNER 4-24-13

NAME OF TECHNICIAN PERFORMING TESTS DATE

Ruth Cramer 4-24-13

NAME OF TECHNICIAN REVIEWING RESULTS DATE

FC

METHOD VALIDATION DRAEGER ALCOTEST 9510
LIMIT OF DETECTION AND QUANTIFICATION TESTING

DRAEGER ALCOTEST 9510 SERIAL NUMBER: ARAF-0021

	I/R	E/C
Simulator #:	DR4761	DR4761
Sim Therm#:	DR4761	DR4761
QAP Batch#:	T00001	T00001
Reference Value:	0.0203	0.0203
	0.020	0.020
	0.020	0.020
	0.020	0.020
	0.020	0.020
	0.020	0.020
Mean:	0.0200	0.0200
SD:	0.0000	0.0000
Bias %:	-1.48	-1.48
CV %:	0.00	0.00

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

SERIAL NO.:      ARAF-0021
TEST NO.:            00050
DATE:           04/24/2013
*************************
    SUPERVISOR TEST
*************************
              g/210L    TIME
DIAGNOSTIC OK           09:44
AIR BLANK     0.000     09:44
EXT STD IR    0.020     09:44
EXT STD EC    0.020     09:44
AIR BLANK     0.000     09:46
EXT STD IR    0.020     09:46
EXT STD EC    0.020     09:46
AIR BLANK     0.000     09:48
EXT STD IR    0.020     09:48
EXT STD EC    0.020     09:48
AIR BLANK     0.000     09:49
EXT STD IR    0.020     09:50
EXT STD EC    0.020     09:50
AIR BLANK     0.000     09:51
EXT STD IR    0.020     09:52
EXT STD EC    0.020     09:52
AIR BLANK     0.000     09:52
DIAGNOSTIC OK           09:53
*************************
OPERATOR SIGNATURE:
```

A. HAVENNER 4-24-13

NAME OF TECHNICIAN PERFORMING TESTS DATE

Ruth Cramer 4-24-13

NAME OF TECHNICIAN REVIEWING RESULTS DATE

RC

METHOD VALIDATION DRAEGER ALCOTEST 9510
LIMIT OF DETECTION AND QUANTIFICATION TESTING

DRAEGER ALCOTEST 9510 SERIAL NUMBER: ARAF-0021

	I/R	E/C
Simulator #:	**DR4760**	**DR4760**
Sim Therm#:	**DR4760**	**DR4760**
QAP Batch#:	**T00005**	**T00005**
Reference Value:	**0.0302**	**0.0302**
	0.030	0.029
	0.030	0.030
	0.030	0.030
	0.030	0.030
	0.030	0.030
Mean:	0.0300	0.0298
SD:	0.0000	0.0004
Bias %:	-0.66	-1.32
CV %:	0.00	1.34

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

SERIAL NO.:      ARAF-0021
TEST NO.:            00051
DATE:           04/24/2013
************************
   SUPERVISOR TEST
************************
              g/210L   TIME
DIAGNOSTIC OK          10:08
AIR BLANK    0.000     10:08
EXT STD IR   0.030     10:08
EXT STD EC   0.029     10:08
AIR BLANK    0.000     10:10
EXT STD IR   0.030     10:10
EXT STD EC   0.030     10:10
AIR BLANK    0.000     10:11
EXT STD IR   0.030     10:12
EXT STD EC   0.030     10:12
AIR BLANK    0.000     10:13
EXT STD IR   0.030     10:14
EXT STD EC   0.030     10:14
AIR BLANK    0.000     10:15
EXT STD IR   0.030     10:16
EXT STD EC   0.030     10:16
AIR BLANK    0.000     10:16
DIAGNOSTIC OK          10:17
************************
OPERATOR SIGNATURE:
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A. HAVENNER 4.24.13

NAME OF TECHNICIAN PERFORMING TESTS DATE

Ruth Cramer 4-24-13

NAME OF TECHNICIAN REVIEWING RESULTS DATE

FC

METHOD VALIDATION DRAEGER ALCOTEST 9510
LIMIT OF DETECTION AND QUANTIFICATION TESTING

DRAEGER ALCOTEST 9510 SERIAL NUMBER: ARAH-0099

	I/R	E/C
Simulator #:	**DR4978**	**DR4978**
Sim Therm#:	**DR4978**	**DR4978**
QAP Batch#:	**WATER**	**WATER**
Reference Value:	**0.0000**	**0.0000**
	0.000	0.000
	0.000	0.000
	0.000	0.000
	0.000	0.000
	0.000	0.000
Mean:	0.0000	0.0000
SD:	0.0000	0.0000
Bias %:	0.00	0.00
CV %:	0.00	0.00

DR4978 H_2O

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

SERIAL NO.:      ARAH-0099
TEST NO.:            00052
DATE:          04/24/2013
**********************
SUPERVISOR TEST
**********************
                g/210L   TIME
DIAGNOSTIC OK            09:09
AIR BLANK       0.000    09:09
EXT STD IR      0.000    09:09
EXT STD EC      0.000    09:09
AIR BLANK       0.000    09:10
EXT STD IR      0.000    09:11
EXT STD EC      0.000    09:11
AIR BLANK       0.000    09:12
EXT STD IR      0.000    09:12
EXT STD EC      0.000    09:12
AIR BLANK       0.000    09:13
EXT STD IR      0.000    09:14
EXT STD EC      0.000    09:14
AIR BLANK       0.000    09:15
EXT STD IR      0.000    09:15
EXT STD EC      0.000    09:15
AIR BLANK       0.000    09:16
DIAGNOSTIC OK            09:16
**********************
OPERATOR SIGNATURE:
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J. A. McKee — 4/24/2013

NAME OF TECHNICIAN PERFORMING TESTS — DATE

R. Jones — 4/24/13

NAME OF TECHNICIAN REVIEWING RESULTS — DATE

METHOD VALIDATION DRAEGER ALCOTEST 9510
LIMIT OF DETECTION AND QUANTIFICATION TESTING

DRAEGER ALCOTEST 9510 SERIAL NUMBER: ARAH-0099

	I/R	E/C
Simulator #:	**DR4465**	**DR4465**
Sim Therm#:	**DR4465**	**DR4465**
QAP Batch#:	**T00011**	**T00011**
Reference Value:	**0.0102**	**0.0102**
	0.010	0.010
	0.010	0.010
	0.010	0.010
	0.010	0.010
	0.010	0.010
Mean:	0.0100	0.0100
SD:	0.0000	0.0000
Bias %:	-1.96	-1.96
CV %:	0.00	0.00

T00011
DR 4465 .0102
****
WASHINGTON
ALCOTEST 9510

SERIAL NO.: ARAH-0099
TEST NO.: 00053
DATE: 04/24/2013
****
SUPERVISOR TEST
****

	g/210L	TIME
DIAGNOSTIC	OK	09:19
AIR BLANK	0.000	09:19
EXT STD IR	0.010	09:20
EXT STD EC	0.010	09:20
AIR BLANK	0.000	09:21
EXT STD IR	0.010	09:21
EXT STD EC	0.010	09:21
AIR BLANK	0.000	09:23
EXT STD IR	0.010	09:23
EXT STD EC	0.010	09:23
AIR BLANK	0.000	09:24
EXT STD IR	0.010	09:25
EXT STD EC	0.010	09:25
AIR BLANK	0.000	09:26
EXT STD IR	0.010	09:26
EXT STD EC	0.010	09:26
AIR BLANK	0.000	09:27
DIAGNOSTIC	OK	09:27

****
OPERATOR SIGNATURE:

J. A. McKee — 4/24/2013
NAME OF TECHNICIAN PERFORMING TESTS — DATE

R. Jones — 4/24/13
NAME OF TECHNICIAN REVIEWING RESULTS — DATE

FC

METHOD VALIDATION DRAEGER ALCOTEST 9510
LIMIT OF DETECTION AND QUANTIFICATION TESTING

DRAEGER ALCOTEST 9510 SERIAL NUMBER: ARAH-0099

	I/R	E/C
Simulator #:	**DR4465**	**DR4465**
Sim Therm#:	**DR4465**	**DR4465**
QAP Batch#:	**T00012**	**T00012**
Reference Value:	**0.0150**	**0.0150**
	0.014	0.015
	0.014	0.015
	0.015	0.015
	0.014	0.015
	0.014	0.015
Mean:	0.0142	0.0150
SD:	0.0004	0.0000
Bias %:	-5.33	0.00
CV %:	2.82	0.00

T00012
DR 4465 .0150

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

SERIAL NO.:      ARAH-0099
TEST NO.:            00058
DATE:          04/24/2013
**********************
SUPERVISOR TEST
**********************
                g/210L   TIME
DIAGNOSTIC OK            10:33
AIR BLANK       0.000    10:33
EXT STD IR      0.014    10:34
EXT STD EC      0.015    10:34
AIR BLANK       0.000    10:35
EXT STD IR      0.014    10:35
EXT STD EC      0.015    10:35
AIR BLANK       0.000    10:37
EXT STD IR      0.015    10:37
EXT STD EC      0.015    10:37
AIR BLANK       0.000    10:38
EXT STD IR      0.014    10:39
EXT STD EC      0.015    10:39
AIR BLANK       0.000    10:40
EXT STD IR      0.014    10:40
EXT STD EC      0.015    10:40
AIR BLANK       0.000    10:41
DIAGNOSTIC OK            10:42
**********************
OPERATOR SIGNATURE:
```

J. A. McKee — 4/24/2013
NAME OF TECHNICIAN PERFORMING TESTS — DATE

D. Jones — 4/24/13
NAME OF TECHNICIAN REVIEWING RESULTS — DATE

METHOD VALIDATION DRAEGER ALCOTEST 9510
LIMIT OF DETECTION AND QUANTIFICATION TESTING

DRAEGER ALCOTEST 9510 SERIAL NUMBER: ARAH-0099

	I/R	E/C
Simulator #:	**DR4489**	**DR4489**
Sim Therm#:	**DR4489**	**DR4489**
QAP Batch#:	**T00001**	**T00001**
Reference Value:	**0.0203**	**0.0203**
	0.019	0.019
	0.019	0.019
	0.020	0.020
	0.020	0.020
	0.020	0.020
Mean:	0.0196	0.0196
SD:	0.0005	0.0005
Bias %:	-3.45	-3.45
CV %:	2.55	2.55

T00001

DR4489 .0203

****

WASHINGTON
ALCOTEST 9510

SERIAL NO.: ARAH-0099
TEST NO.: 00057
DATE: 04/24/2013

****

SUPERVISOR TEST

****

	g/210L	TIME
DIAGNOSTIC	OK	10:22
AIR BLANK	0.000	10:23
EXT STD IR	0.019	10:23
EXT STD EC	0.019	10:23
AIR BLANK	0.000	10:24
EXT STD IR	0.019	10:25
EXT STD EC	0.019	10:25
AIR BLANK	0.000	10:26
EXT STD IR	0.020	10:26
EXT STD EC	0.020	10:26
AIR BLANK	0.000	10:28
EXT STD IR	0.020	10:28
EXT STD EC	0.020	10:28
AIR BLANK	0.000	10:30
EXT STD IR	0.020	10:30
EXT STD EC	0.020	10:30
AIR BLANK	0.000	10:31
DIAGNOSTIC	OK	10:31

****

OPERATOR SIGNATURE:

J. A. McKee — 4/24/2013

NAME OF TECHNICIAN PERFORMING TESTS — DATE

D. Jones — 4/24/13

NAME OF TECHNICIAN REVIEWING RESULTS — DATE

FC

METHOD VALIDATION DRAEGER ALCOTEST 9510
LIMIT OF DETECTION AND QUANTIFICATION TESTING

DRAEGER ALCOTEST 9510 SERIAL NUMBER: ARAH-0099

	I/R	E/C
Simulator #:	**DR4489**	**DR4489**
Sim Therm#:	**DR4489**	**DR4489**
QAP Batch#:	**T00005**	**T00005**
Reference Value:	**0.0302**	**0.0302**
	0.029	0.029
	0.029	0.029
	0.029	0.029
	0.029	0.029
	0.029	0.029
Mean:	0.0290	0.0290
SD:	0.0000	0.0000
Bias %:	-3.97	-3.97
CV %:	0.00	0.00

T00005
DR4489 .0302

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

SERIAL NO.:      ARAH-0099
TEST NO.:            00056
DATE:           04/24/2013
**********************
SUPERVISOR TEST
**********************
                g/210L   TIME
DIAGNOSTIC OK            09:59
AIR BLANK       0.000    09:59
EXT STD IR      0.029    09:59
EXT STD EC      0.029    09:59
AIR BLANK       0.000    10:01
EXT STD IR      0.029    10:01
EXT STD EC      0.029    10:01
AIR BLANK       0.000    10:02
EXT STD IR      0.029    10:03
EXT STD EC      0.029    10:03
AIR BLANK       0.000    10:04
EXT STD IR      0.029    10:05
EXT STD EC      0.029    10:05
AIR BLANK       0.000    10:06
EXT STD IR      0.029    10:06
EXT STD EC      0.029    10:06
AIR BLANK       0.000    10:07
DIAGNOSTIC OK            10:08
**********************
OPERATOR SIGNATURE:
```

JMcKee

J. A. McKee — 4/24/2013

NAME OF TECHNICIAN PERFORMING TESTS — DATE

D. Jones — 4/24/13

NAME OF TECHNICIAN REVIEWING RESULTS — DATE

METHOD VALIDATION DRAEGER ALCOTEST 9510
LIMIT OF DETECTION AND QUANTIFICATION TESTING

DRAEGER ALCOTEST 9510 SERIAL NUMBER: ARAH-0089

	I/R	E/C
Simulator #:	DR4524	DR4524
Sim Therm#:	DR4524	DR4524
QAP Batch#:	WATER	WATER
Reference Value:	0.0000	0.0000
	0.001	0.002
	0.001	0.001
	0.001	0.001
	0.000	0.001
	0.000	0.001
Mean:	0.0006	0.0012
SD:	0.0005	0.0004
Bias %:	#DIV/0!	#DIV/0!
CV %:	83.33	33.33

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

SERIAL NO.:      ARAH-0089
TEST NO.:            00099
DATE:          04/24/2013
************************
    SUPERVISOR TEST
************************
              g/210L   TIME
DIAGNOSTIC OK          08:56
AIR BLANK     0.000    08:56
EXT STD IR    0.001    08:56
EXT STD EC    0.002    08:56
AIR BLANK     0.000    08:57
EXT STD IR    0.001    08:58
EXT STD EC    0.001    08:58
AIR BLANK     0.000    08:59
EXT STD IR    0.001    08:59
EXT STD EC    0.001    08:59
AIR BLANK     0.000    09:00
EXT STD IR    0.000    09:01
EXT STD EC    0.001    09:01
AIR BLANK     0.000    09:02
EXT STD IR    0.000    09:02
EXT STD EC    0.001    09:02
AIR BLANK     0.000    09:03
DIAGNOSTIC OK          09:03
************************
OPERATOR SIGNATURE:
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4-24-13

NAME OF TECHNICIAN PERFORMING TESTS — DATE

4-24-13

NAME OF TECHNICIAN REVIEWING RESULTS — DATE

FL

METHOD VALIDATION DRAEGER ALCOTEST 9510
LIMIT OF DETECTION AND QUANTIFICATION TESTING

DRAEGER ALCOTEST 9510 SERIAL NUMBER: ARAH-0089

	I/R	E/C
Simulator #:	**DR4807**	**DR4807**
Sim Therm#:	**DR4807**	**DR4807**
QAP Batch#:	**T00011**	**T00011**
Reference Value:	**0.0102**	**0.0102**
	0.010	0.010
	0.010	0.010
	0.010	0.010
	0.010	0.010
	0.010	0.010
Mean:	0.0100	0.0100
SD:	0.0000	0.0000
Bias %:	-1.96	-1.96
CV %:	0.00	0.00

WASHINGTON
ALCOTEST 9510

SERIAL NO.: ARAH-0089
TEST NO.: 00100
DATE: 04/24/2013
****
SUPERVISOR TEST
****

	g/210L	TIME
DIAGNOSTIC	OK	09:13
AIR BLANK	0.000	09:13
EXT STD IR	0.010	09:13
EXT STD EC	0.010	09:13
AIR BLANK	0.000	09:14
EXT STD IR	0.010	09:15
EXT STD EC	0.010	09:15
AIR BLANK	0.000	09:16
EXT STD IR	0.010	09:16
EXT STD EC	0.010	09:16
AIR BLANK	0.000	09:18
EXT STD IR	0.010	09:18
EXT STD EC	0.010	09:18
AIR BLANK	0.000	09:19
EXT STD IR	0.010	09:20
EXT STD EC	0.010	09:20
AIR BLANK	0.000	09:20
DIAGNOSTIC	OK	09:21

****
OPERATOR SIGNATURE:

****

NAME OF TECHNICIAN PERFORMING TESTS — DATE: 4-24-13

NAME OF TECHNICIAN REVIEWING RESULTS — DATE: 4-24-13

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METHOD VALIDATION DRAEGER ALCOTEST 9510
LIMIT OF DETECTION AND QUANTIFICATION TESTING

DRAEGER ALCOTEST 9510 SERIAL NUMBER: ARAH-0089

	I/R	E/C
Simulator #:	**DR4524**	**DR4524**
Sim Therm#:	**DR4524**	**DR4524**
QAP Batch#:	**T00012**	**T00012**
Reference Value:	**0.0150**	**0.0150**
	0.015	0.015
	0.015	0.015
	0.015	0.015
	0.015	0.015
	0.015	0.015
Mean:	0.0150	0.0150
SD:	0.0000	0.0000
Bias %:	0.00	0.00
CV %:	0.00	0.00

WASHINGTON
ALCOTEST 9510

SERIAL NO.: ARAH-0089
TEST NO.: 00101
DATE: 04/24/2013
****
SUPERVISOR TEST
****

	g/210L	TIME
DIAGNOSTIC	OK	09:31
AIR BLANK	0.000	09:31
EXT STD IR	0.015	09:31
EXT STD EC	0.015	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	09:39
DIAGNOSTIC	OK	09:40

****
OPERATOR SIGNATURE:

Pedro Zepeda 4-24-13
NAME OF TECHNICIAN PERFORMING TESTS DATE

R. Jones 4-24-13
NAME OF TECHNICIAN REVIEWING RESULTS DATE

FR

METHOD VALIDATION DRAEGER ALCOTEST 9510
LIMIT OF DETECTION AND QUANTIFICATION TESTING

DRAEGER ALCOTEST 9510 SERIAL NUMBER: ARAH-0089

	I/R	E/C
Simulator #:	**DR4807**	**DR4807**
Sim Therm#:	**DR4807**	**DR4807**
QAP Batch#:	**T00001**	**T00001**
Reference Value:	**0.0203**	**0.0203**
	0.019	0.020
	0.020	0.021
	0.020	0.021
	0.020	0.021
	0.020	0.021
Mean:	0.0198	0.0208
SD:	0.0004	0.0004
Bias %:	-2.46	2.46
CV %:	2.02	1.92

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

SERIAL NO.:      ARAH-0089
TEST NO.:            00102
DATE:           04/24/2013
*************************
    SUPERVISOR TEST
*************************
              g/210L    TIME
DIAGNOSTIC OK           09:47
AIR BLANK     0.000     09:47
EXT STD IR    0.019     09:47
EXT STD EC    0.020     09:47
AIR BLANK     0.000     09:49
EXT STD IR    0.020     09:49
EXT STD EC    0.021     09:49
AIR BLANK     0.000     09:50
EXT STD IR    0.020     09:51
EXT STD EC    0.021     09:51
AIR BLANK     0.000     09:52
EXT STD IR    0.020     09:53
EXT STD EC    0.021     09:53
AIR BLANK     0.000     09:54
EXT STD IR    0.020     09:54
EXT STD EC    0.021     09:54
AIR BLANK     0.000     09:55
DIAGNOSTIC OK           09:56
*************************
OPERATOR SIGNATURE:
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Pedro Zepeda — 4-24-13

NAME OF TECHNICIAN PERFORMING TESTS — DATE

D. Jones — 4-24-13

NAME OF TECHNICIAN REVIEWING RESULTS — DATE

R

METHOD VALIDATION DRAEGER ALCOTEST 9510
LIMIT OF DETECTION AND QUANTIFICATION TESTING

DRAEGER ALCOTEST 9510 SERIAL NUMBER: ARAH-0089

	I/R	E/C
Simulator #:	**DR4524**	**DR4524**
Sim Therm#:	**DR4524**	**DR4524**
QAP Batch#:	**T00005**	**T00005**
Reference Value:	**0.0302**	**0.0302**
	0.030	0.030
	0.030	0.030
	0.030	0.030
	0.030	0.030
	0.030	0.030
Mean:	0.0300	0.0300
SD:	0.0000	0.0000
Bias %:	-0.66	-0.66
CV %:	0.00	0.00

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

SERIAL NO.:      ARAH-0089
TEST NO.:            00103
DATE:           04/24/2013
*************************
    SUPERVISOR TEST
*************************
              g/210L   TIME
DIAGNOSTIC OK          10:08
AIR BLANK     0.000    10:08
EXT STD IR    0.030    10:09
EXT STD EC    0.030    10:09
AIR BLANK     0.000    10:10
EXT STD IR    0.030    10:10
EXT STD EC    0.030    10:10
AIR BLANK     0.000    10:12
EXT STD IR    0.030    10:12
EXT STD EC    0.030    10:12
AIR BLANK     0.000    10:14
EXT STD IR    0.030    10:14
EXT STD EC    0.030    10:14
AIR BLANK     0.000    10:15
EXT STD IR    0.030    10:16
EXT STD EC    0.030    10:16
AIR BLANK     0.000    10:16
DIAGNOSTIC OK          10:17
*************************
OPERATOR SIGNATURE:
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NAME OF TECHNICIAN PERFORMING TESTS — DATE: 4-24-13

NAME OF TECHNICIAN REVIEWING RESULTS — DATE: 4-24-13

FC

METHOD VALIDATION DRAEGER ALCOTEST 9510
LIMIT OF DETECTION AND QUANTIFICATION TESTING

DRAEGER ALCOTEST 9510 SERIAL NUMBER: ARZB-0001

	I/R	E/C
Simulator #:	DR4978	DR4978
Sim Therm#:	DR4978	DR4978
QAP Batch#:	0	0
Reference Value:	0.0000	0.0000
	0.000	0.000
	0.000	0.000
	0.000	0.000
	0.000	0.000
	0.000	0.000
Mean:	0.0000	0.0000
SD:	0.0000	0.0000
Bias %:	#DIV/0!	#DIV/0!
CV %:	#DIV/0!	#DIV/0!

DR4978 H20

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

SERIAL NO.:      ARZB-0001
TEST NO :            00098
DATE:          04/24/2013
**********************
SUPERVISOR TEST
**********************
                g/210    TIME
DIAGNOSTIC OK            08:59
AIR BLANK       0.000    08:59
EXT STD IR      0.000    09:00
EXT STD EC      0.000    09:00
AIR BLANK       0.000    09:01
EXT STD IR      0.000    09:01
EXT STD EC      0.000    09:01
AIR BLANK       0.000    09:02
EXT STD IR      0.000    09:03
EXT STD EC      0.000    09:03
AIR BLANK       0.000    09:04
EXT STD IR      0.000    09:04
EXT STD EC      0.000    09:04
AIR BLANK       0.000    09:05
EXT STD IR      0.000    09:06
EXT STD EC      0.000    09:06
AIR BLANK       0.000    09:06
DIAGNOSTIC OK            09:06
**********************
OPERATOR SIGNATURE:
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[signature] 4/24/13

NAME OF TECHNICIAN PERFORMING TESTS DATE

[signature] 4/24/13

NAME OF TECHNICIAN REVIEWING RESULTS DATE

FC

METHOD VALIDATION DRAEGER ALCOTEST 9510
LIMIT OF DETECTION AND QUANTIFICATION TESTING

DRAEGER ALCOTEST 9510 SERIAL NUMBER: ARZB-0001

	I/R	E/C
Simulator #:	DR4465	DR4465
Sim Therm#:	DR4465	DR4465
QAP Batch#:	T00011	T00011
Reference Value:	0.0102	0.0102
	0.010	0.010
	0.010	0.010
	0.010	0.010
	0.010	0.010
	0.010	0.010
Mean:	0.0100	0.0100
SD:	0.0000	0.0000
Bias %:	-1.96	-1.96
CV %:	0.00	0.00

DR4465
WASHINGTON
ALCOTEST 9510

SERIAL NO.: ARZB-0001
TEST NO.: 00106
DATE: 04/24/2013
****
SUPERVISOR TEST
****

	g/210L	TIME
DIAGNOSTIC	OK	09:58
AIR BLANK	0.000	09:59
EXT STD IR	0.010	09:59
EXT STD EC	0.010	09:59
AIR BLANK	0.000	10:00
EXT STD IR	0.010	10:01
EXT STD EC	0.010	10:01
AIR BLANK	0.000	10:02
EXT STD IR	0.010	10:02
EXT STD EC	0.010	10:02
AIR BLANK	0.000	10:04
EXT STD IR	0.010	10:04
EXT STD EC	0.010	10:04
AIR BLANK	0.000	10:05
EXT STD IR	0.010	10:06
EXT STD EC	0.010	10:06
AIR BLANK	0.000	10:06
DIAGNOSTIC	OK	10:07

****
OPERATOR SIGNATURE:
DR4465
.0150
****

Sterkel/Mel 4/24/13 4/24/13
NAME OF TECHNICIAN PERFORMING TESTS DATE

D. Jones 4/24/13
NAME OF TECHNICIAN REVIEWING RESULTS DATE

FC

METHOD VALIDATION DRAEGER ALCOTEST 9510
LIMIT OF DETECTION AND QUANTIFICATION TESTING

DRAEGER ALCOTEST 9510 SERIAL NUMBER: ARZB-0001

	I/R	E/C
Simulator #:	**DR4465**	**DR4465**
Sim Therm#:	**DR4465**	**DR4465**
QAP Batch#:	**T00012**	**T00012**
Reference Value:	**0.0150**	**0.0150**
	0.014	0.014
	0.015	0.015
	0.014	0.015
	0.015	0.015
	0.015	0.015
Mean:	0.0146	0.0148
SD:	0.0005	0.0004
Bias %:	-2.67	-1.33
CV %:	3.42	2.70

WASHINGTON
ALCOTEST 9510

SERIAL NO.: ARZB-0001
TEST NO.: 00107
DATE: 04/24/2013
****
SUPERVISOR TEST
****

	g/210L	TIME
DIAGNOSTIC	OK	10:12
AIR BLANK	0.000	10:1[illegible]
EXT STD IR	0.014	10[illegible]
EXT STD EC	0.014	10.[illegible]
AIR BLANK	0.000	10:14
EXT STD IR	0.015	10:15
EXT STD EC	0.015	10:15
AIR BLANK	0.000	10:16
EXT STD IR	0.014	10:16
EXT STD EC	0.015	10:16
AIR BLANK	0.000	10:18
EXT STD IR	0.015	10:18
EXT STD EC	0.015	10:18
AIR BLANK	0.000	10:20
EXT STD IR	0.015	10:20
EXT STD EC	0.015	10:20
AIR BLANK	0.000	10:21
DIAGNOSTIC	OK	10:21

****
OPERATOR SIGNATURE:

Sterkel, Mel 4/24/13 4/24/13
NAME OF TECHNICIAN PERFORMING TESTS DATE

D. Jones 4/24/13
NAME OF TECHNICIAN REVIEWING RESULTS DATE

FC

METHOD VALIDATION DRAEGER ALCOTEST 9510
LIMIT OF DETECTION AND QUANTIFICATION TESTING

DRAEGER ALCOTEST 9510 SERIAL NUMBER: ARZB-0001

	I/R	E/C
Simulator #:	**DR4489**	**DR4489**
Sim Therm#:	**DR4489**	**DR4489**
QAP Batch#:	**T00001**	**T00001**
Reference Value:	**0.0203**	**0.0203**
	0.020	0.020
	0.021	0.020
	0.021	0.020
	0.020	0.020
	0.021	0.021
Mean:	0.0206	0.0202
SD:	0.0005	0.0004
Bias %:	1.48	-0.49
CV %:	2.43	1.98

WASHINGTON
ALCOTEST 9510

SERIAL NO.: ARZB-0001
TEST NO.: 00101
DATE: 04/24/2013
****
SUPERVISOR TEST
****

	g/210L	TIME
DIAGNOSTIC	OK	09:22
AIR BLANK	0.000	09:22
EXT STD IR	0.020	09:23
EXT STD EC	0.020	09:23
AIR BLANK	0.000	09:24
EXT STD IR	0.021	09:24
EXT STD EC	0.020	09:24
AIR BLANK	0 000	09:26
EXT STD IR	0.021	09:26
EXT STD EC	0.020	09:26
AIR BLANK	0.000	09:28
EXT STD IR	0.020	09:28
EXT STD EC	0.020	09:28
AIR BLANK	0.000	09:29
EXT STD IR	0.021	09:30
EXT STD EC	0.021	09:30
AIR BLANK	0.000	09:30
DIAGNOSTIC	OK	09:31

****
OPERATOR SIGNATURE:

Sterkel/Mel 4/24/13 — 4/24/13
NAME OF TECHNICIAN PERFORMING TESTS — DATE

D. Jones — 4/24/13
NAME OF TECHNICIAN REVIEWING RESULTS — DATE

FR

METHOD VALIDATION DRAEGER ALCOTEST 9510
LIMIT OF DETECTION AND QUANTIFICATION TESTING

DRAEGER ALCOTEST 9510 SERIAL NUMBER: ARZB-0001

	I/R	E/C
Simulator #:	DR4489	DR4489
Sim Therm#:	DR4489	DR4489
QAP Batch#:	T00005	T00005
Reference Value:	0.0302	0.0302
	0.028	0.028
	0.029	0.028
	0.029	0.029
	0.029	0.029
	0.029	0.029
Mean:	0.0288	0.0286
SD:	0.0004	0.0005
Bias %:	-4.64	-5.30
CV %:	1.39	1.75

WASHINGTON
ALCOTEST 9510

SERIAL NO.: ARZB-0001
TEST NO.: 00105
DATE: 04/24/2013
****
SUPERVISOR TEST
****

	g/210L	TIME
DIAGNOSTIC OK		09:46
AIR BLANK	0.000	09:46
EXT STD IR	0.028	09:47
EXT STD EC	0.028	09:47
AIR BLANK	0.000	09:48
EXT STD IR	0.029	09:49
EXT STD EC	0.028	09:49
AIR BLANK	0.000	09:50
EXT STD IR	0.029	09:51
EXT STD EC	0.029	09:51
AIR BLANK	0.000	09:52
EXT STD IR	0.029	09:52
EXT STD EC	0.029	09:52
AIR BLANK	0.000	09:54
EXT STD IR	0.029	09:54
EXT STD EC	0.029	09:54
AIR BLANK	0.000	09:55
DIAGNOSTIC OK		09:56

****
OPERATOR SIGNATURE:

Sterkel/Mel 4/24/13 — 4/24/13
NAME OF TECHNICIAN PERFORMING TESTS — DATE

D. Jones — 4/24/13
NAME OF TECHNICIAN REVIEWING RESULTS — DATE

0102