

# **IFA-Proficiency Testing Scheme for Water Analysis**

**Round CB08  
BTEX and MTBE  
Volatile Halogenated Hydrocarbons**

**Sample Dispatch: 11 October 2021**



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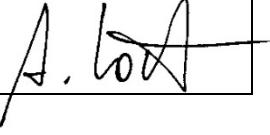
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This report summarises the results of round CB08 "Volatile aromatic hydrocarbons and methyl tert-butyl ether (MTBE)" and "Volatile Halogenated Hydrocarbons" within the IFA-Test Proficiency Testing Scheme for Water Analysis. The samples were distributed to 42 participants on Monday, 11 October 2021. Each participant received two or four samples of 600 mL filled into aluminium bottles.

Closing date for reporting results to the IFA-Tulln was Friday, 12 November 2021. 41 laboratories submitted results. To make the participants anonymous, each laboratory obtained a letter code by random.

## Samples

For sample preparation, ultrapure water was spiked with concentrated solutions of inorganic salts in order to simulate the ionic composition of natural ground water. The following salts were added to the samples: Mg(NO<sub>3</sub>)<sub>2</sub>, MgSO<sub>4</sub>, Na<sub>2</sub>SO<sub>4</sub>, NaHCO<sub>3</sub>, KHCO<sub>3</sub>, CaCl<sub>2</sub> and Ca(NO<sub>3</sub>)<sub>2</sub>. Prior to sample preparation, samples of ultrapure water and artificial water matrix were analysed by Purge&Trap-GC-MS to exclude contamination.

The samples B-CB08A and B-CB08B were spiked with traces of the following compounds: MTBE, benzene, toluene, ethylbenzene, o-xylene and m-xylene.

The samples C-CB08A and C-CB08B were spiked with traces of trichloroethene, trichloromethane, 1,1,1-trichloroethane, tetrachloromethane, tribromomethane, tetrachloroethene, bromodichloromethane, 1,2-dichloroethane, dibromochloromethane, 1,1-dichloroethene, dichloromethane, cis-1,2-dichloroethene and trans-1,2-dichloroethene.

The calculation of the target concentrations of the compounds was based on the mass of standard added to the samples.

## Homogeneity, accuracy and stability tests at the IFA-Tulln

For verification of homogeneity samples were analysed for the compounds of interest by Purge&Trap-GC-MS measurements prior to shipment to the participants. The results of the measurements are listed in the result tables and the parameter oriented part of the report ("IFA result").

Usually we perform an additional check of PT-samples' stability five weeks after sample preparation. The results of the measurements are listed in the result tables and the parameter oriented part of the report ("Stability test").

## Results

Data evaluation was based on target concentrations that were calculated from the weights of the standards used to prepare the samples. Their uncertainty intervals correspond to the expanded uncertainty (coverage factor k = 2) as described in the EURACHEM/CITAC Guide "Quantifying Uncertainty in Analytical Measurement, 3<sup>rd</sup> Edition (2012)".

Recoveries for individual laboratory results and overall mean values are related to the assigned target concentrations. The results were tested for outliers using the Hampel outlier test (level of significance 99 %). A minimum number of four results was required for the outlier test.

Ethylbenzene was not added to sample B-CB08A, cis-1,2-dichloroethene was not added to sample C-CB08A, 1,1,1-trichloroethane, 1,1-dichloroethene and tribromomethane were not added to sample C-CB08B in order to check the analytical blank values. The target concentrations were set to <0.1 µg/L ethylbenzene, <0.1 µg/L cis-1,2-dichloroethene, <0.1 µg/L 1,1,1-trichloroethane, <0.2 µg/L 1,1-dichloroethene and <0.1 µg/L tribromomethane, which meets the minimum quantifiable values defined by the Austrian ground and river water monitoring program and the quantification limits of the analytical methods applied in the IFA.

Standard deviations and coefficients of variation (CVs) were only calculated, when at least three results were available. The recoveries of the target concentrations, calculated from outlier-corrected data mean values ranged between 94.1 % (m,p-xylene in sample B-CB08A) and 104.9 % (MTBE in sample B-CB08B) and between 93.7 % (trichloroethene in sample C-CB08B) and 109.7 % (1,1-dichloroethene in sample C-CB08A).

The between-laboratory coefficients of variation ranged from 11.4 % (MTBE in sample B-CB08B) to 17.7 % (m,p-xylene in sample B-CB08B) and from 11.8 % (trichloroethene in sample C-CB08A) to 21.6 % (dichloromethane in sample C-CB08).

The confidence intervals of the outlier-corrected laboratory mean values encompass the corresponding target values with their uncertainties.

### **z-Scores**

The most common approach is to form the z-score given by

$$z = \frac{x_i - X}{\sigma_{pt}}$$

$z$       z-score

$x_i$       result of laboratory

$X$       target value or mean value („consensus value“)

$\sigma_{pt}$       standard deviation for proficiency assessment

Thus, the z-score is the ratio of the estimated bias (difference between result and target value) and a standard deviation. The z-score criteria were determined from relative standard deviations from all interlaboratory comparisons that have been organised by the IFA-Tulln from 2010 to 2020. They represent average performance data of all former participating laboratories.

This approach was chosen, because standard deviations of the outlier-corrected measurements substantially vary between individual proficiency test rounds. Averaging standard deviations from proficiency testing rounds of several years can provide standard deviations for proficiency assessment on a broad data basis. It is therefore more suitable than a standard deviation taken directly from the interlaboratory comparison (EN ISO/IEC 17043:2010, B.3.1.3). Another advantage of previously determined standard deviations is that the participants can foresee which z-scores can be expected by their routine analysis methods before participation.

#### Calculation example:

A laboratory found 7.20 µg/L for the parameter Dichloromethane (recovery of 120 %). The target value for Dichloromethane was 6.02 µg/L (100 %). The relative standard deviation for proficiency assessment is given in the table below (as well as in the annual program [www.ifatest.eu](http://www.ifatest.eu)) by 14 %, which is 0.84 µg/L Dichloromethane, when based on the target value.

$$z = \frac{x_i - X}{\sigma_{pt}} = \frac{7.20 \text{ } \mu\text{g/L} - 6.02 \text{ } \mu\text{g/L}}{0.84 \text{ } \mu\text{g/L}} \approx 1.4 \quad \text{or} \quad \frac{120\% - 100\%}{14 \%} \approx 1.4$$

$z$       z-score

$x_i$       7.20 µg/L equivalent to 120 % (value of the laboratory)

$X$       6.02 µg/L equivalent to 100 % (target value)

$\sigma_{pt}$       0.84 µg/L equivalent to 14 % (standard deviation for proficiency assessment, see table below)

In the case of recalculation, deviations in the last digits may occur due to the fact that rounded values are given in the report for clarity.

The following table lists the standard deviations for proficiency assessment and their limits of applicability. Z-scores were only calculated, if the target values were higher than these limits.

Parameter	z-Score-criteria (%)	Lower limit [µg/L]
Benzene	15	0.5
Ethylbenzene	17	0.5
MTBE	14	0.1
Sum of m- and p-xylene	19	1.4
Toluene	14	0.7
o-Xylene	15	0.5
1,1-Dichloroethene	18	0.35
1,2-Dichloroethane	13	0.5
cis-1,2-Dichloroethene	14	0.15
trans-1,2-Dichloroethene	13	0.15
1,1,1-Trichloroethane	15	0.15
Bromodichloromethane	13	0.15
Dibromochloromethane	14	0.2
Dichloromethane	14	1
Tetrachloroethene	16	0.15
Tetrachloromethane	18	0.15
Tribromomethane	15	0.2
Trichloroethene	15	0.15
Trichloromethane	14	0.25

Normally, a classification based on z-scores is made this way:

z-Score	Classification
≤2	satisfactory
2< z <3	questionable
≥3	unsatisfactory

The z-scores are listed in the parameter-oriented evaluation in the tables next to the recoveries. Additionally, each laboratory receives a sheet on which the obtained z-scores are summarized and graphically represented. The standard deviations for proficiency assessment are given in concentration units there.

## Illustration of results

An explanation to the illustration of the results is given on the following page.

The **laboratory oriented part** contains the measurement results and reported uncertainties of each individual laboratory for all parameters together with the achieved recoveries in graphical and tabular form. This part of the report also lists tables with the results originally reported by the laboratories.

In the **parameter oriented part** the reported results and corresponding uncertainties are illustrated together with recoveries of the target values and the z-scores for each parameter and all laboratories. This information is presented in graphical and tabular form. Results, which were identified as outliers by the Hampel test are marked with an asterisk (\*) in the column "out". These values were not considered for the calculation of statistical parameters (mean values, standard deviations and confidence intervals). Moreover, the parameter oriented part contains the uncertainties of the target value. The uncertainty intervals correspond to the expanded uncertainty (coverage factor  $k = 2$ ) as described in the EURACHEM / CITAC Guide "Quantifying Uncertainty in Analytical Measurement, 3<sup>rd</sup> Edition (2012)". The uncertainty interval of the reference concentration is illustrated in the graphs as a grey band around the 100 % recovery line.

Results, for which no recoveries could be calculated, are illustrated by one of the following symbols: **FN** (false negative), **FP** (false positive) or • - symbol.

- “FN”: a result is considered false negative when the “< result” reported is lower than the corresponding target value
- “FP”: False positive results can only be obtained for compounds that were evaluated on the basis of a “< target value”. A result is termed FP if it does not include (strike) the “< target” with its measurement uncertainty.
- “•”: All other results for which no recovery can be calculated are illustrated by this symbol

Tulln, 22 November 2021

# EXPLANATION

## Sample C10B

### Parameter Dichloromethane

Target value  $\pm U (k=2)$   $10,4 \mu\text{g/l} \pm 0,5 \mu\text{g/l}$  **Obtained from mass weighed out,  $U = \text{uncertainty}$**

IFA result  $\pm U (k=2)$   $10,2 \mu\text{g/l} \pm 1,0 \mu\text{g/l}$  **Determined at IFA prior to shipment of samples**

Stability test  $\pm U (k=2)$   $10,2 \mu\text{g/l} \pm 1,0 \mu\text{g/l}$  **Determined at IFA 5 weeks after sample dispatch**

Lab code	Result	Out	$+/ -$	Unit	Recovery	z-Score
A	11,0		1,28	$\mu\text{g/l}$	106 %	0,30
B	9,0		1,8	$\mu\text{g/l}$	87 %	-0,71
C	10		2	$\mu\text{g/l}$	96 %	-0,20
D				$\mu\text{g/l}$		
E	13,7		0,40	$\mu\text{g/l}$	132 %	1,67
F	6,8		0,7	$\mu\text{g/l}$	65 %	-1,82
G	< 20			$\mu\text{g/l}$		
H				$\mu\text{g/l}$		
I	11,0			$\mu\text{g/l}$	106 %	0,30
J	24,1	*	1,51	$\mu\text{g/l}$	232 %	6,93
K	10,09		1,22	$\mu\text{g/l}$	97 %	-0,16
L	2,76	*		$\mu\text{g/l}$	27 %	-3,87
M	6,38		1,87	$\mu\text{g/l}$	61 %	-2,03
N	< 5		0,5	$\mu\text{g/l}$	FN	
O	15,6	*	4	$\mu\text{g/l}$	150 %	2,63
P	10,3		1,0	$\mu\text{g/l}$	99 %	-0,05
Q	10		1,14	$\mu\text{g/l}$	96 %	-0,20
R	8,88		0,46	$\mu\text{g/l}$	85 %	-0,77
S				$\mu\text{g/l}$		
T	9,03		0,08	$\mu\text{g/l}$	87 %	-0,69
U	22,5	*	0,5	$\mu\text{g/l}$	216 %	6,12
V	10,33		0,25	$\mu\text{g/l}$	99 %	-0,04

An asterisk indicates a result detected as outlier by Hampel test

Interval expected to encompass target value as stated by participant

	All results	Outliers excl.	Unit
Mean $+/ -$ CI (99%)	$11,3 \pm 3,8$	$9,7 \pm 1,6$	$\mu\text{g/l}$
Recov. $+/ -$ CI (99%)	$108,3 \pm 36,3$	$93,6 \pm 15,1$	%
SD between labs	5,3		$\mu\text{g/l}$
RSD between labs	47,3		%
n for calculation	17	13	

Between laboratory standard deviation

Number of data used for calculation of statistic parameters

Overall laboratory mean and recovery with corresponding confidence intervals ( $p=99\%$ )

grey band illustrates uncertainty interval of target value

Relative deviation from target value in percent

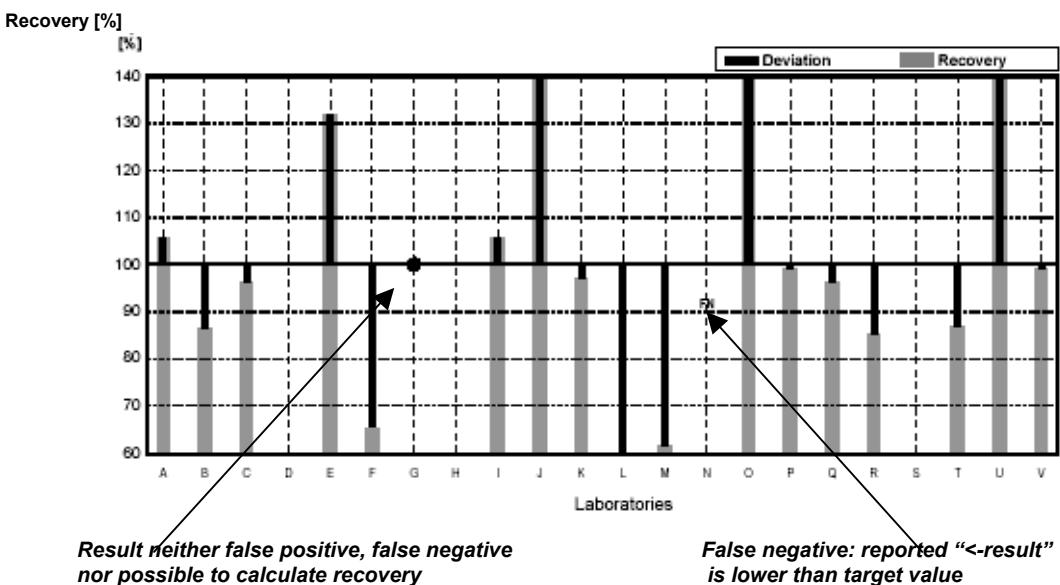
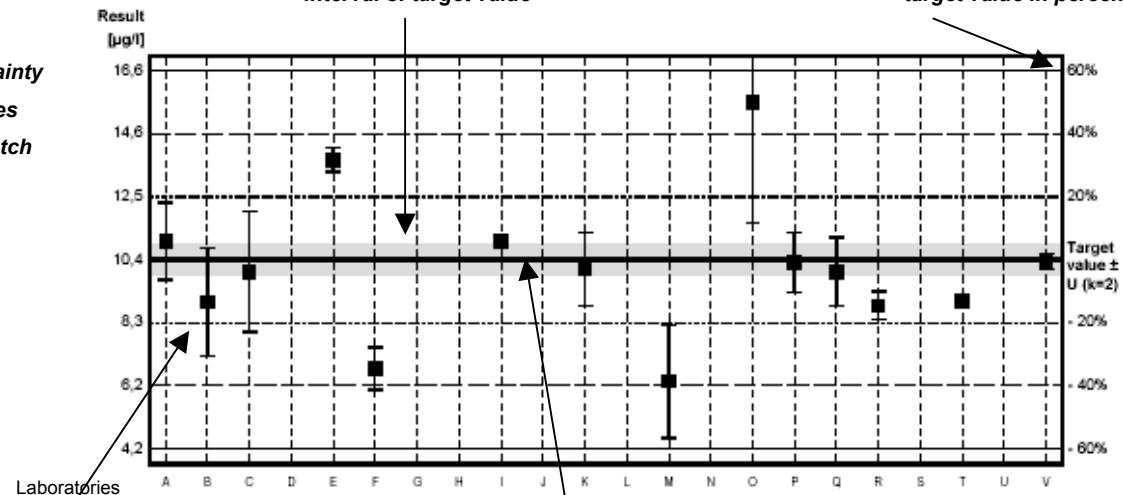


Diagram 2. Recoveries and deviations from target values



# **Illustration of Results Tables and Parameter Oriented Part**

Round CB08  
BTEX and MTBE  
Volatile Halogenated Hydrocarbons

Sample Dispatch: 11 October 2021



## Results Sample B-CB08A

	MTBE	Benzene	Toluene	Ethylbenzene	m, p-Xylene	o-Xylene
Target value	0.51	4.34	4.74	<0.1	1.52	0.96
IFA result	0.52	4.21	4.70	<0.1	1.40	0.93
Stability test	0.52	4.18	4.66	<0.1	1.35	0.92
A	0.613	4.36	4.47	<0.100	1.57	1.01
B	1.66	0.96	2.17	1.66	3.60	4.53
C	0.510	4.34	4.61	<0.050	1.66	1.01
D	0.55	5.14	4.96	<0.2	1.33	0.85
E		5.14	5.82	0.428	1.88	1.11
F	0.545	3.898	4.218	<0.050	1.433	0.856
G	0.555	3.518	3.883	<0.2	1.106	0.661
H	0.437	3.98	4.77	<0.10	1.50	0.840
I	'<0.5	4.53	4.73	<0.5	1.44	0.88
J		4.65	4.14	<0.50	1.48	0.878
K	0.495	4.72	4.79	<0.1	1.37	0.922
L		5.49	5.69	<0.50	1.79	1.15
M	0.517	3.882	4.282	<0.100	1.342	0.861
N	0.55	4.75	4.82	<0.10	1.48	0.92
O	0.58	4.81	6.0	<0.40	1.59	1.03
P						
Q		3.02	3.35	<0.50	1.03	0.67
R	0.71	4.85	5.1	0.178	1.84	1.17
S	0.500	4.56	4.87	<0.50	1.39	0.906
T	0.568	4.02	4.49	<0.020	1.23	0.839
U		6.299	6.371	1.410	1.025	1.225
V	0.438	4.407	4.854	<0.015	0.609	0.873
W		5.12	5.36	<0.500	1.39	0.777
X	<1	3.99	4.53	<0.5	1.35	<1
Y	0.504	4.948	5.069	<0.1	1.277	0.803
Z		2.52	2.66	0.511	0.385	<0.1
AA		4.02	4.25	<0.5	1.44	0.90
AB	0.57	4.62	5.08	<0.1	1.58	1.07
AM	0.545	4.59	4.67	<0.1	1.30	0.78
AN	0.434	5.661	5.877	<0.1	1.532	0.941
AO		4.35840	4.87715		1.45105	0.94805
AP	0.480	3.76	4.02	<0.10	1.24	0.789

All data in µg/L

### Measurement Uncertainties Sample B-CB08A

	MTBE	Benzene	Toluene	Ethylbenzene	m, p-Xylene	o-Xylene
Target value	0.08	0.23	0.26		0.17	0.12
IFA result	0.08	0.63	0.71		0.21	0.14
Stability test	0.08	0.63	0.70		0.20	0.14
A	0.080	0.323	0.388		0.250	0.117
B	0.33	0.19	0.43	0.33	0.72	0.91
C	0.10	0.87	0.92		0.33	0.20
D	0.14	1.34	0.84		0.33	0.22
E		1.03	1.16	0.09	0.38	0.22
F	0.136	0.975	1.054	0.020	0.358	0.214
G	0.128	0.809	0.893		0.254	0.152
H	0.118	0.80	0.95		0.51	0.294
I		0.906	0.946		0.288	0.18
J		0.09	0.11		0.18	0.08
K	0.990	0.94	0.96		0.27	0.184
L		1.10	1.14		0.36	0.23
M	0.155	1.165	1.284		0.403	0.258
N	0.17	1.42	1.45		0.44	0.28
O	0.12	0.96	1.20		0.32	0.21
P						
Q		0.302	0.335	0.050	0.103	0.067
R	0.064	0.76	0.77	0.0059	0.218	0.098
S	0.150	1.37	1.46		0.42	0.272
T	0.091	0.64	0.58		0.25	0.143
U						
V	0.206	2.248	2.233		0.256	0.367
W		0.71	0.96	0.25	0.24	0.120
X		0.60	0.68		0.20	
Y	0.050	0.495	0.507		0.128	0.080
Z						
AA		0.99	1.05		0.43	0.27
AB	0.15	1.20	1.32	0.03	0.41	0.28
AM						
AN	0.065	0.849	0.882		0.230	0.141
AO		0.17	0.13		0.12	0.14
AP	0.12	0.94	1.00	0.03	0.31	0.20

All data in µg/L

## Results Sample B-CB08B

	MTBE	Benzene	Toluene	Ethylbenzene	m, p-Xylene	o-Xylene
Target value	2.28	1.16	2.40	2.12	5.10	5.51
IFA result	2.32	1.13	2.33	1.93	5.00	5.41
Stability test	2.32	1.13	2.32	1.93	4.76	5.37
A	2.67	1.19	2.07	1.91	5.03	5.38
B	0.430	3.79	5.03	<0.100	0.995	0.76
C	2.34	1.21	2.37	2.25	5.14	5.64
D	2.18	1.20	2.48	2.00	5.44	5.44
E		1.30	2.64	2.36	5.66	5.77
F	2.500	0.947	2.188	1.934	4.904	4.843
G	2.093	0.991	1.991	1.584	3.694	3.791
H	2.17	1.06	2.27	2.08	5.97	5.56
I	2.20	1.16	2.30	1.94	4.89	5.2
J		1.28	2.17	2.05	4.77	5.01
K	2.12	1.21	2.40	2.13	4.78	5.25
L		1.53	3.03	2.71	6.43	6.73
M	2.234	1.015	2.095	1.807	4.235	4.637
N	2.97	1.26	2.48	1.90	5.92	5.95
O	2.60	1.00	2.42	2.11	5.2	5.8
P						
Q		0.85	1.79	1.48	3.51	3.94
R	2.87	1.50	2.76	2.33	5.5	5.8
S	2.29	1.27	2.53	2.02	4.84	5.21
T	2.51	1.08	2.15	1.85	4.36	4.81
U		1.652	3.062	2.605	3.501	7.129
V	2.066	1.214	2.403	1.941	2.553	5.877
W		1.32	2.62	2.15	4.96	4.81
X	2.13	1.06	2.30	1.99	4.77	5.11
Y	2.190	1.375	2.605	1.854	4.515	4.831
Z		0.872	1.60	3.14	1.60	1.34
AA		1.13	2.11	1.80	4.46	3.61
AB	2.67	1.29	2.47	2.25	5.88	5.90
AM	2.69	1.26	2.53	1.88	5.03	5.17
AN	2.530	1.176	2.599	2.374	6.039	6.431
AO		1.17845	2.45790	1.99905	4.57340	5.01345
AP	2.20	1.00	1.99	1.85	4.23	4.46

All data in µg/L

### Measurement Uncertainties Sample B-CB08B

	MTBE	Benzene	Toluene	Ethylbenzene	m, p-Xylene	o-Xylene
Target value	0.14	0.08	0.15	0.15	0.30	0.30
IFA result	0.35	0.17	0.35	0.29	0.75	0.81
Stability test	0.35	0.17	0.35	0.29	0.71	0.81
A	0.347	0.083	0.179	0.128	0.800	0.625
B	0.09	0.76	0.10		02	0.15
C	0.47	0.24	0.47	0.45	1.03	1.13
D	0.57	0.31	0.42	0.50	1.36	1.41
E		0.26	0.53	0.47	1.13	1.15
F	0.625	0.237	0.547	0.484	1.226	1.211
G	0.481	0.228	0.458	0.364	0.850	0.872
H	0.59	0.21	0.46	0.83	2.03	1.95
I	0.440	0.232	0.460	0.388	0.978	1.0
J		0.08	0.09	0.14	0.18	0.09
K	0.42	0.24	0.48	0.43	0.96	1.05
L		0.31	0.61	0.54	1.29	1.35
M	0.670	0.305	0.629	0.542	1.271	1.391
N	0.89	0.38	0.74	0.57	1.78	1.78
O	0.52	0.20	0.48	0.42	1.04	1.17
P						
Q		0.085	0.179	0.148	0.351	0.394
R	1.09	0.55	1.08	0.94	2.30	2.36
S	0.69	0.38	0.76	0.61	1.45	1.56
T	0.40	0.17	0.28	0.31	0.87	0.82
U						
V	0.971	0.619	1.105	0.815	1.072	2.468
W		0.18	0.47	0.34	0.84	0.72
X	0.32	0.16	0.35	0.30	0.72	0.77
Y	0.219	0.138	0.261	0.185	0.452	0.483
Z						
AA		0.28	0.52	0.45	1.33	1.08
AB	0.69	0.34	0.64	0.58	1.53	1.54
AM						
AN	0.380	0.176	0.390	0.356	0.906	0.965
AO		0.17	0.13	0.11	0.12	0.14
AP	0.55	0.25	0.50	0.46	1.06	1.12

All data in µg/L

## Results Sample C-CB08A

	Trichloro-ethene	Tetrachloro-ethene	1,1,1-Tri-chloroethane	Trichloro-methane	Tetrachloro-methane	1,1-Dichloro-ethene	Tribromo-methane
Target value	1.13	0.412	1.24	1.36	1.57	1.96	1.51
IFA Result	1.16	0.417	1.18	1.42	1.52	2.00	1.39
Stability test	1.14	0.409	1.18	1.39	1.52	2.00	1.44
A	1.00	0.333	1.35	1.30	1.63	2.32	1.24
B	1.05	0.450	1.04	<0.100	1.630	1.75	1.18
C	1.06	0.360	1.25	1.43	1.47	2.09	1.53
D	0.96	0.391	1.19	1.26	1.74	2.39	1.49
E	1.18	0.373	1.33	1.40	1.92	2.14	1.36
F	0.963	0.393	1.156	1.395	1.540	2.777	1.458
G	0.984	0.368	1.117	1.148	1.467	1.962	1.181
H	1.12	0.412	1.14	1.17	1.52	2.07	1.37
I	0.480	0.220	0.92	1.03	1.29	1.50	1.02
J	1.23	0.407	1.32	1.28	1.69	2.07	1.63
K	1.07	0.402	1.23	1.22	1.56	2.36	1.61
L	1.27	0.52	1.44	1.47	1.75	2.31	1.79
M	0.964	0.361	1.098	1.238	1.409	1.914	1.337
N	1.14	0.330	1.36	1.58	1.78	3.01	1.44
O	1.64	0.53	1.51	2.31	2.13	3.29	1.92
P							
Q	1.07	0.390	1.24	1.44	1.46		
R	1.22	0.57	1.27	1.49	1.73	2.39	1.52
S	1.18	0.394	1.13	2.24	1.23		
T	0.993	0.353	1.19	1.27	1.50	1.76	1.31
U							
V	0.981	0.365	1.089	1.295	1.319	2.061	1.342
W	1.71	0.409	1.60	1.73	2.09	2.66	1.27
X	1.12	0.443	1.16	1.24	1.49	1.82	1.50
Y	1.184	0.414	1.300	1.518	1.796	2.550	1.384
Z							
AA	1.10	0.464		1.25			1.44
AB	1.20	0.424	1.37	1.50	1.73	2.51	1.64
AC	0.715	0.291	0.940	0.955	1.165	1.420	0.830
AD	1.67	1.25		2.02			<0.2
AE	1.05	0.230	1.18	1.27	1.46	2.06	1.05
AF	1.05	0.368	1.21	1.28	1.50	2.05	1.30
AG	0.901	0.438	1.221	1.324	1.524	2.118	1.714
AH	1.21	0.65		1.47			1.78
AI	0.835	0.514	2.27	1.95	3.44	6.04	1.43
AJ	1.22	0.425	1.27	1.54	1.60	2.11	1.61
AK	1.06	0.350	1.18	1.27	1.46	1.90	1.47
AL	0.97	0.353	1.30	1.50	1.70	2.13	1.70

All data in µg/L

## Measurement Uncertainties Sample C-CB08A

	Trichloro-ethene ±	Tetrachloro-ethene ±	1,1,1-Tri-chloroethane ±	Trichloro-methane ±	Tetrachloro-methane ±	1,1-Dichloro-ethene ±	Tribromo-methane ±
Target value	0.07	0.035	0.07	0.07	0.09	0.11	0.11
IFA Result	0.17	0.063	0.18	0.21	0.23	0.30	0.21
Stability test	0.17	0.061	0.18	0.21	0.23	0.30	0.22
A	0.107	0.046	0.112	0.104	0.124	0.203	0.180
B	0.21	0.10	0.21		0.33	0.35	0.23
C	0.21	0.07	0.25	0.29	0.29	0.42	0.31
D	0.28	0.10	0.36	0.29	0.52	0.72	0.46
E	0.24	0.07	0.27	0.28	0.38	0.43	0.27
F	0.241	0.098	0.289	0.349	0.385	0.694	0.365
G	0.226	0.085	0.257	0.264	0.337	0.451	0.272
H	0.24	0.111	0.24	0.25	0.33	0.44	0.29
I	0.096	0.044	0.18	0.206	0.258	0.300	0.204
J	0.117	0.016	0.073	0.071	0.109	0.119	0.105
K	0.21	0.080	0.25	0.24	0.31	0.47	0.32
L	0.25	0.16	0.29	0.29	0.35	0.46	0.36
M	0.289	0.108	0.330	0.372	0.423	0.574	0.401
N	0.34	0.100	0.41	0.47	0.54	0.90	0.43
O	0.33	0.11	0.30	0.46	0.43	0.66	0.38
P							
Q	0.107	0.039	0.124	0.144	0.146		
R	0.298	0.103	0.316	0.363	0.448	0.64	0.335
S	0.35	0.118	0.34	0.67	0.37		
T	0.228	0.113	0.25	0.32	0.28	0.44	0.29
U							
V	0.196	0.186	0.218	0.259	0.251	1.092	0.295
W	0.38	0.086	0.34	0.31	0.50	0.64	0.21
X	0.17	0.07	0.17	0.19	0.22	0.27	0.23
Y	0.118	0.041	0.130	1.152	0.180	0.255	0.138
Z							
AA	0.28	0.13		0.34			0.58
AB	0.31	0.11	0.36	0.39	0.45	0.65	0.43
AC	0.236	0.096	0.207	0.258	0.221	0.227	0.249
AD	0.03	0.01		0.08			
AE	0.21	0.06	0.24	0.25	0.36	0.52	0.32
AF	0.08	0.031	0.23	0.26	0.38	0.40	0.33
AG	0.1001	0.0560	0.1429	0.1416	0.1960	0.3120	0.1758
AH	0.18	0.10		0.22			0.18
AI	0.125	0.077	0.341	0.292	0.515	0.905	0.214
AJ	0.18	0.064	0.19	0.23	0.24	0.32	0.24
AK	0.212	0.070	0.236	0.254	0.292	0.380	0.294
AL	0.29	0.106	0.39	0.45	0.51	0.64	0.51

All data in µg/L

## Results Sample C-CB08A

	Bromodichloro-methane	Dibromochloro-methane	Dichloro-methane	1,2-Dichloro-ethane	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene
Target value	0.96	1.25	0.92	2.11	<0.1	1.95
IFA Result	0.94	1.21	0.93	2.08	<0.1	1.91
Stability test	0.95	1.24	0.91	2.06	<0.1	1.86
A	1.00	1.15	1.02	1.96	<0.100	2.16
B	0.88	1.06	0.60	1.44	<0.1	1.66
C	1.01	1.27	1.06	2.10	<0.05	2.02
D	0.92	1.21	1.02	2.22	<0.5	1.81
E	1.01	1.18	1.47	2.38	<0.08	2.13
F	0.973	1.433	0.603	2.469	<0.050	1.775
G	0.797	0.999	1.013	1.568	<0.2	1.765
H	0.811	1.12	0.888	1.98	<0.10	1.98
I	0.72	0.88	0.63	1.70	<0.10	1.44
J	1.06	1.38	0.933	2.13	<0.050	2.03
K	1.06	1.33	1.05	2.21	<0.05	2.21
L	1.01	1.36	0.99	2.36	<0.50	2.14
M	0.882	1.142	0.874	1.863	<0.100	1.793
N	1.03	1.14		2.63	<0.100	2.59
O	1.18	1.66	1.22	2.07	<0.10	2.91
P						
Q			0.91	2.34	<0.150	1.79
R	1.08	1.36	1.17	2.26	<0.1	2.20
S			1.86		<0.50	2.32
T	0.905	1.13	0.882	2.00	<0.020	1.84
U			1.22	2.66		
V	0.955	1.216	0.908	2.121	<0.05	1.786
W	1.11	1.29	1.15	2.13	<0.500	2.63
X	0.91	1.22	0.88	1.90		
Y	1.015	1.224	1.092	2.263	<0.2	2.266
Z						
AA	0.89	1.11				
AB	1.04	1.36	1.12	2.22	<0.1	2.40
AC	0.575	0.705	0.768	1.305	<0.05	1.340
AD	1.76	1.96		0.94		
AE	0.83	1.03	<0.1	2.08	<0.05	2.02
AF	0.896	1.15	0.955	1.88	<0.1	2.00
AG	0.930	1.202	1.027	2.214	<0.05	1.909
AH	1.23	1.53		2.45		
AI	1.22	1.22	1.52	2.64	0.179	3.28
AJ	1.08	1.52	0.808	2.27	<0.5	2.00
AK	0.91	1.15	0.940	2.06	<0.130	1.73
AL	1.00	1.40	1.10	2.20	<0.1	2.10

All data in µg/L

### Measurement Uncertainties Sample C-CB08A

	Bromodichloro-methane ±	Dibromochloro-methane ±	Dichloro-methane ±	1,2-Dichloro-ethane ±	cis-1,2-Dichloroethene ±	trans-1,2-Dichloroethene ±
Target value	0.06	0.08	0.09	0.11		0.10
IFA Result	0.14	0.18	0.14	0.31		0.29
Stability test	0.14	0.19	0.14	0.31		0.28
A	0.127	0.142	0.100	0.176		0.308
B	0.18	0.21	0.12	0.29		0.33
C	0.20	0.25	0.21	0.42		0.40
D	0.23	0.28	0.31	0.36		0.54
E	0.20	0.24	0.29	0.48		0.43
F	0.243	0.358	0.151	0.617	0.020	0.444
G	0.183	0.230	0.233	0.361		0.406
H	0.146	0.24	0.275	0.38		0.24
I	0.14	0.18	0.13	0.340		0.288
J	0.062	0.12	0.119	0.154		0.107
K	0.21	0.27	0.21	0.44		0.44
L	0.30	0.27	0.30	0.47		0.43
M	0.265	0.343	0.262	0.559		0.538
N	0.31	0.34		0.79		0.78
O	0.24	0.33	0.24	0.41		0.58
P						
Q			0.091	0.234	0.015	0.179
R	0.241	0.320	0.267	0.55		0.61
S			0.56			0.69
T	0.226	0.29	0.220	0.48		0.40
U						
V	0.191	0.243	0.218	0.467		0.375
W	0.18	0.22	0.22	0.36	0.25	0.63
X	0.14	0.18	0.13	0.29		
Y	0.102	0.122	0.109	0.226		0.227
Z						
AA	0.36	0.44				
AB	0.27	0.35	0.29	0.58	0.03	0.62
AC	0.144	0.183	0.223	0.444	0.012	0.348
AD	0.07	0.07		0.01		
AE	0.21	0.26	0	0.52	0	0.40
AF	0.224	0.29	0.239	0.45		0.40
AG	0.1052	0.1274	0.1246	0.2486		0.2046
AH	0.18	0.23		0.25		
AI	0.182	0.183	0.227	0.396	0.0268	0.491
AJ	0.16	0.23	0.121	0.34		0.30
AK	0.182	0.230	0.188	0.412		0.346
AL	0.30	0.42	0.33	0.66		0.63

All data in µg/L

## Results Sample C-CB08B

	Trichloro-ethene	Tetrachloro-ethene	1,1,1-Tri-chloroethane	Trichloro-methane	Tetrachloro-methane	1,1-Dichloro-ethene	Tribromo-methane
Target value	1.70	1.23	<0.1	2.22	0.65	<0.2	<0.1
IFA Result	1.71	1.23	<0.1	2.18	0.61	<0.2	<0.1
Stability test	1.68	1.21	<0.1	2.15	0.62	<0.2	<0.1
A	1.58	1.05	<0.100	2.27	0.735	<0.100	<0.100
B	1.57	1.55	<0.1	0.90	0.83	<0.1	<0.1
C	1.57	1.05	<0.05	2.37	0.61	<0.05	<0.05
D	1.59	1.17	<0.5	1.85	0.64	<0.5	<0.5
E	1.77	1.18	<0.08	2.30	0.747	<0.1	<0.08
F	1.403	1.072	<0.050	2.138	0.745	<0.050	<0.050
G	1.393	0.976	<0.2	1.845	0.611	<0.2	<0.2
H	1.69	1.38	<0.10	2.10	0.659	<0.10	<0.14
I	0.71	0.73	<0.1	1.67	0.490	<0.1	<0.1
J	1.69	1.31	<0.050	1.93	0.625	<0.050	<0.050
K	1.57	1.16	<0.1	2.17	0.670	<0.2	<0.1
L	1.72	1.23	<0.50	2.41	0.64	<0.50	<0.50
M	1.339	1.006	<0.100	1.930	0.555	<0.100	<0.100
N	1.51	1.07	<0.100	2.54	0.640	<0.100	<0.100
O	2.12	1.46	<0.10	2.50	0.76	<0.10	<0.10
P							
Q	1.61	1.19	<0.150	2.35	0.61		
R	2.19	1.65	<0.1	3.06	0.97	<0.1	<0.1
S	1.66	1.17	<0.50	2.94	0.600		
T	1.51	1.08	<0.020	2.20	0.632	<0.020	<0.020
U							
V	1.459	1.171	<0.015	2.128	0.576	<0.015	<0.05
W	2.25	1.21	<0.500	2.83	0.826	<0.500	<0.500
X	1.69	1.25	<0.3	2.10	0.63	<0.1	<0.3
Y	1.745	1.337	<0.1	2.468	0.763	<0.1	<0.1
Z							
AA	1.64	1.17		2.15			<0.5
AB	1.80	1.33	<0.1	2.46	0.73	<0.1	<0.1
AC	1.355	0.810	<0.05	1.705	0.545	<0.08	<0.05
AD	1.15	0.57		1.02			1.76
AE	1.61	0.98	<0.05	2.18	0.64	<0.05	<0.2
AF	1.64	1.18	<0.1	2.21	0.638	<0.1	<0.1
AG	1.248	1.317	<0.05	2.161	0.636	<0.05	<0.05
AH	1.92	1.26		2.55			<0.5
AI	0.907	1.34	<0.1	2.54	1.02	<0.1	<0.1
AJ	1.88	1.25	<0.1	2.41	0.717	<0.2	<0.1
AK	1.49	1.12	<0.020	2.01	0.580	<0.035	<0.035
AL	1.47	1.10	<0.1	2.47	0.69	<0.1	<0.1

All data in µg/L

### Measurement Uncertainties Sample C-CB08B

	Trichloro-ethene ±	Tetrachloro-ethene ±	1,1,1-Tri-chloroethane ±	Trichloro-methane ±	Tetrachloro-methane ±	1,1-Dichloro-ethene ±	Tribromo-methane ±
Target value	0.09	0.07		0.12	0.05		
IFA Result	0.26	0.18		0.33	0.09		
Stability test	0.25	0.18		0.32	0.09		
A	0.169	0.144		0.181	0.056		
B	0.31	0.31		0.18	0.17		
C	0.31	0.21		0.47	0.12		
D	0.46	0.29		0.43	0.19		
E	0.35	0.24		0.46	0.15		
F	0.351	0.268	0.020	0.534	0.186	0.020	0.020
G	0.320	0.224		0.424	0.141		
H	0.35	0.37		0.44	0.145		
I	0.14	0.14		0.334	0.098		
J	0.12	0.097		0.077	0.116		
K	0.31	0.23		0.43	0.134		
L	0.34	0.25		0.48	0.19		
M	0.402	0.302		0.579	0.167		
N	0.45	0.32		0.76	0.190		
O	0.43	0.29		0.50	0.15		
P							
Q	0.161	0.119	0.015	0.235	0.061		
R	0.74	0.57		0.98	0.265		
S	0.50	0.35		0.88	0.180		
T	0.35	0.34		0.55	0.120		
U							
V	0.292	0.597		0.426	0.109		
W	0.49	0.25	0.25	0.51	0.173	0.25	0.25
X	0.25	0.19		0.32	0.10		
Y	0.175	0.134		0.247	0.076		
Z							
AA	0.41	0.34		0.58			
AB	0.47	0.35	0.03	0.64	0.19	0.03	0.03
AC	0.447	0.267	0.011	0.460	0.104	0.013	0.015
AD	0.02	0.01		0.04			0.06
AE	0.32	0.24	0	0.44	0.16	0	0
AF	0.12	0.10		0.44	0.16		
AG	0.1386	0.1685		0.2312	0.0818		
AH	0.19	0.19		0.26			
AI	0.136	0.201		0.381	0.152		
AJ	0.28	0.19		0.36	0.108		
AK	0.298	0.224		0.402	0.116		
AL	0.44	0.33		0.74	0.21		

All data in µg/L

## Results Sample C-CB08B

	Bromodichloro-methane	Dibromochloro-methane	Dichloro-methane	1,2-Dichloro-ethane	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene
Target value	1.89	1.84	2.18	0.95	1.69	0.51
IFA Result	1.82	1.75	2.17	0.93	1.62	0.50
Stability test	1.86	1.80	2.16	0.93	1.60	0.50
A	2.16	1.87	2.55	0.962	1.70	0.612
B	2.13	1.60	1.40	<0.1	1.19	0.470
C	2.04	1.89	2.45	0.91	1.66	0.490
D	1.78	1.84	2.22	0.94	1.65	0.490
E	2.07	1.70	3.49	1.07	184	0.595
F	1.847	1.907	1.912	0.872	1.897	0.585
G	1.567	1.520	2.028	0.776	1.311	0.487
H	1.77	1.84	2.20	0.924	1.55	0.521
I	1.40	1.27	1.49	0.75	1.06	0.340
J	1.86	1.85	1.97	0.917	1.72	0.454
K	2.03	2.04	2.49	1.03	1.41	0.673
L	1.99	2.00	2.42	1.03	1.82	0.57
M	1.656	1.614	1.943	0.805	1.424	0.447
N	1.70	1.43		1.07	1.80	0.470
O	2.04	2.13	2.30	0.80	2.05	0.63
P						
Q			2.18	1.08	1.71	0.478
R	2.50	2.52	3.22	1.42	2.29	0.86
S			3.13		1.88	0.628
T	1.84	1.77	2.09	0.927	1.56	0.481
U			2.76	1.12		
V	1.916	1.878	2.272	0.950	1.541	0.517
W	2.19	1.93	2.72	0.942	1.92	0.642
X	1.82	1.79	2.05	0.88		
Y	1.984	1.926	2.491	1.127	1.804	0.601
Z						
AA	1.75	1.75				
AB	2.06	2.04	2.62	1.00	1.64	0.65
AC	1.705	1.670	1.813	0.735	1.145	0.420
AD	0.91	1.48		2.13		
AE	1.78	1.62	1.32	0.90	1.73	0.51
AF	1.86	1.77	1.94	0.851	1.60	0.563
AG	1.818	1.730	2.418	1.004	1.569	0.528
AH	2.41	2.20		1.06		
AI	2.24	1.82	3.01	1.17	1.90	0.902
AJ	2.11	2.20	2.39	1.09	1.70	<0.5
AK	1.84	1.68	2.05	0.94	1.58	0.430
AL	2.10	2.10	2.67	1.00	1.83	0.56

All data in µg/L

### Measurement Uncertainties Sample C-CB08B

	Bromodichloro-methane ±	Dibromochloro-methane ±	Dichloro-methane ±	1,2-Dichloro-ethane ±	cis-1,2-Dichloroethene ±	trans-1,2-Dichloroethene ±
Target value	0.10	0.10	0.13	0.05	0.09	0.04
IFA Result	0.27	0.26	0.33	0.14	0.24	0.08
Stability test	0.28	0.27	0.32	0.14	0.24	0.08
A	0.274	0.232	0.249	0.086	0.218	0.087
B	0.43	0.32	0.28		0.24	0.094
C	0.41	0.38	0.49	0.18	0.33	0.10
D	0.45	0.42	0.67	0.15	0.50	0.15
E	0.41	0.34	0.70	0.21	0.37	0.12
F	0.462	0.477	0.478	0.218	0.474	0.146
G	0.360	0.350	0.466	0.179	0.302	0.112
H	0.32	0.39	0.68	0.176	0.17	0.063
I	0.280	0.254	0.298	0.15	0.212	0.068
J	0.060	0.118	0.143	0.12	0.118	0.116
K	0.41	0.41	0.50	0.21	0.28	0.135
L	0.40	0.40	0.48	0.31	0.36	0.17
M	0.497	0.484	0.583	0.242	0.427	0.134
N	0.51	0.43		0.32	0.54	0.140
O	0.41	0.43	0.46	0.16	0.41	0.13
P						
Q			0.218	0.108	0.171	0.0478
R	0.90	0.96	1.15	0.493	0.76	0.234
S			0.94		0.56	0.188
T	0.46	0.46	0.52	0.223	0.26	0.106
U						
V	0.383	0.376	0.545	0.209	0.324	0.109
W	0.35	0.33	0.51	0.160	0.34	0.154
X	0.27	0.27	0.31	0.13		
Y	0.198	0.193	0.249	0.113	0.180	0.060
Z						
AA	0.7	0.7				
AB	0.54	0.53	0.68	0.26	0.43	0.17
AC	0.426	0.434	0.526	0.250	0.263	0.109
AD	0.03	0.06		0.02		
AE	0.45	0.41	0.26	0.23	0.35	0.10
AF	0.47	0.44	0.49	0.205	0.30	0.113
AG	0.2057	0.1834	0.2933	0.1128	0.1870	0.0566
AH	0.24	0.22		0.16		
AI	0.336	0.272	0.451	0.176	0.285	0.135
AJ	0.32	0.33	0.36	0.16	0.26	
AK	0.368	0.336	0.410	0.188	0.316	0.086
AL	0.62	0.62	0.80	0.30	0.55	0.17

All data in µg/L

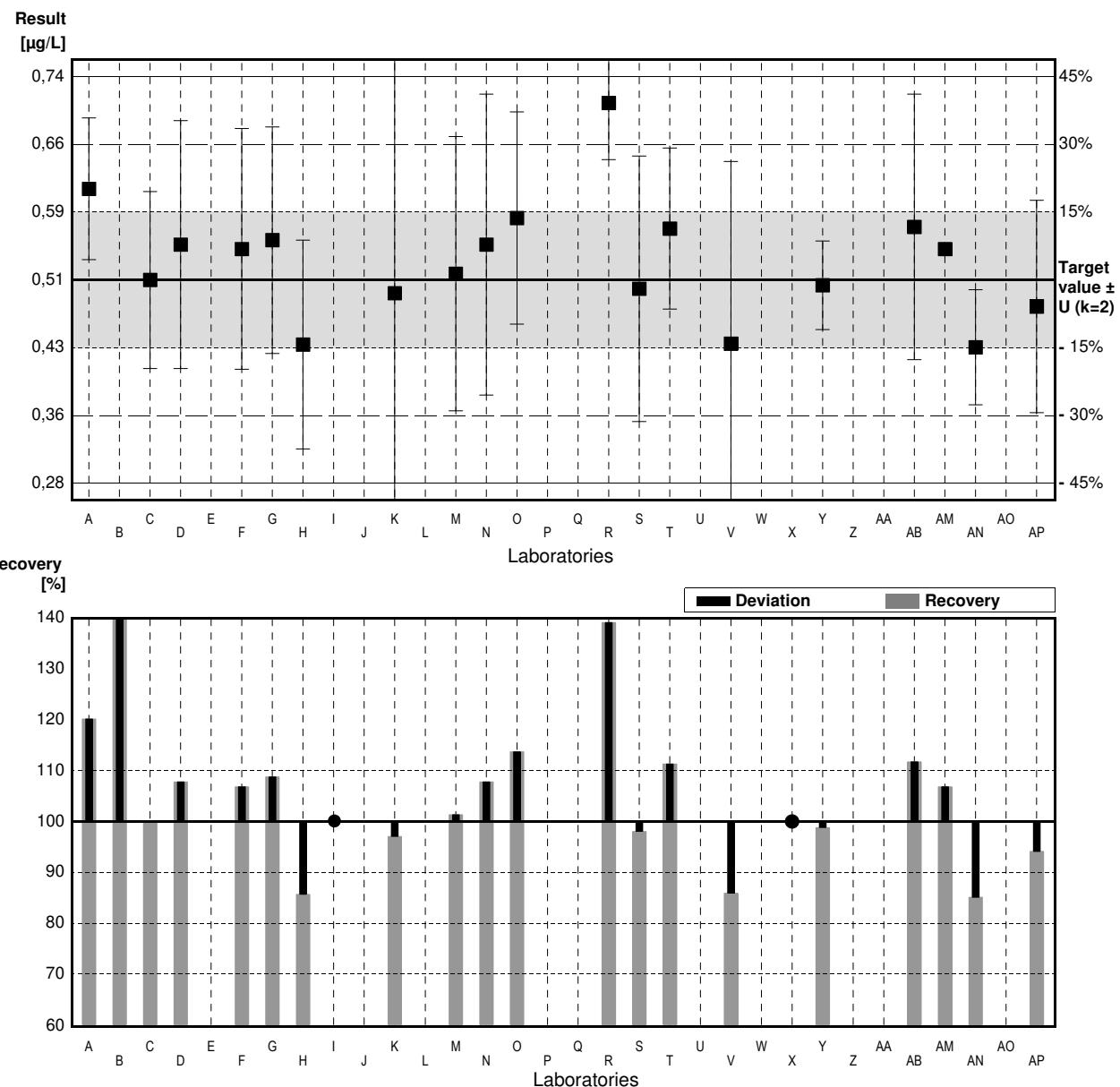
## Sample B-CB08A

### Parameter MTBE

Target value  $\pm U$  ( $k=2$ )    0.51  $\mu\text{g/L}$      $\pm$     0.08  $\mu\text{g/L}$   
 IFA result  $\pm U$  ( $k=2$ )    0.52  $\mu\text{g/L}$      $\pm$     0.08  $\mu\text{g/L}$   
 Stability test  $\pm U$  ( $k=2$ )    0.52  $\mu\text{g/L}$      $\pm$     0.08  $\mu\text{g/L}$

Lab Code	Result	$\pm$	Unit	Recovery	z-Score
A	0.613	0.080	$\mu\text{g/L}$	120%	1.44
B	1.66 *	0.33	$\mu\text{g/L}$	325%	16.11
C	0.510	0.10	$\mu\text{g/L}$	100%	0.00
D	0.55	0.14	$\mu\text{g/L}$	108%	0.56
E			$\mu\text{g/L}$		
F	0.545	0.136	$\mu\text{g/L}$	107%	0.49
G	0.555	0.128	$\mu\text{g/L}$	109%	0.63
H	0.437	0.118	$\mu\text{g/L}$	86%	-1.02
I	<0.5		$\mu\text{g/L}$	*	
J			$\mu\text{g/L}$		
K	0.495	0.990	$\mu\text{g/L}$	97%	-0.21
L			$\mu\text{g/L}$		
M	0.517	0.155	$\mu\text{g/L}$	101%	0.10
N	0.55	0.17	$\mu\text{g/L}$	108%	0.56
O	0.58	0.12	$\mu\text{g/L}$	114%	0.98
P			$\mu\text{g/L}$		
Q			$\mu\text{g/L}$		
R	0.71	0.064	$\mu\text{g/L}$	139%	2.80
S	0.500	0.150	$\mu\text{g/L}$	98%	-0.14
T	0.568	0.091	$\mu\text{g/L}$	111%	0.81
U			$\mu\text{g/L}$		
V	0.438	0.206	$\mu\text{g/L}$	86%	-1.01
W			$\mu\text{g/L}$		
X	<1		$\mu\text{g/L}$	*	
Y	0.504	0.050	$\mu\text{g/L}$	99%	-0.08
Z			$\mu\text{g/L}$		
AA			$\mu\text{g/L}$		
AB	0.57	0.15	$\mu\text{g/L}$	112%	0.84
AM	0.545		$\mu\text{g/L}$	107%	0.49
AN	0.434	0.065	$\mu\text{g/L}$	85%	-1.06
AO			$\mu\text{g/L}$		
AP	0.480	0.12	$\mu\text{g/L}$	94%	-0.42

Mean $\pm \text{CI}(99\%)$	All results	Outliers excl.	Unit
Recov. $\pm \text{CI}(99\%)$	0.59 $\pm$ 0.17	0.53 $\pm$ 0.04	$\mu\text{g/L}$
SD between labs	115.3 $\pm$ 32.7	104.2 $\pm$ 8.6	%
RSD between labs	0.26	0.07	$\mu\text{g/L}$
n for calculation	20	19	%



## Sample B-CB08B

### Parameter MTBE

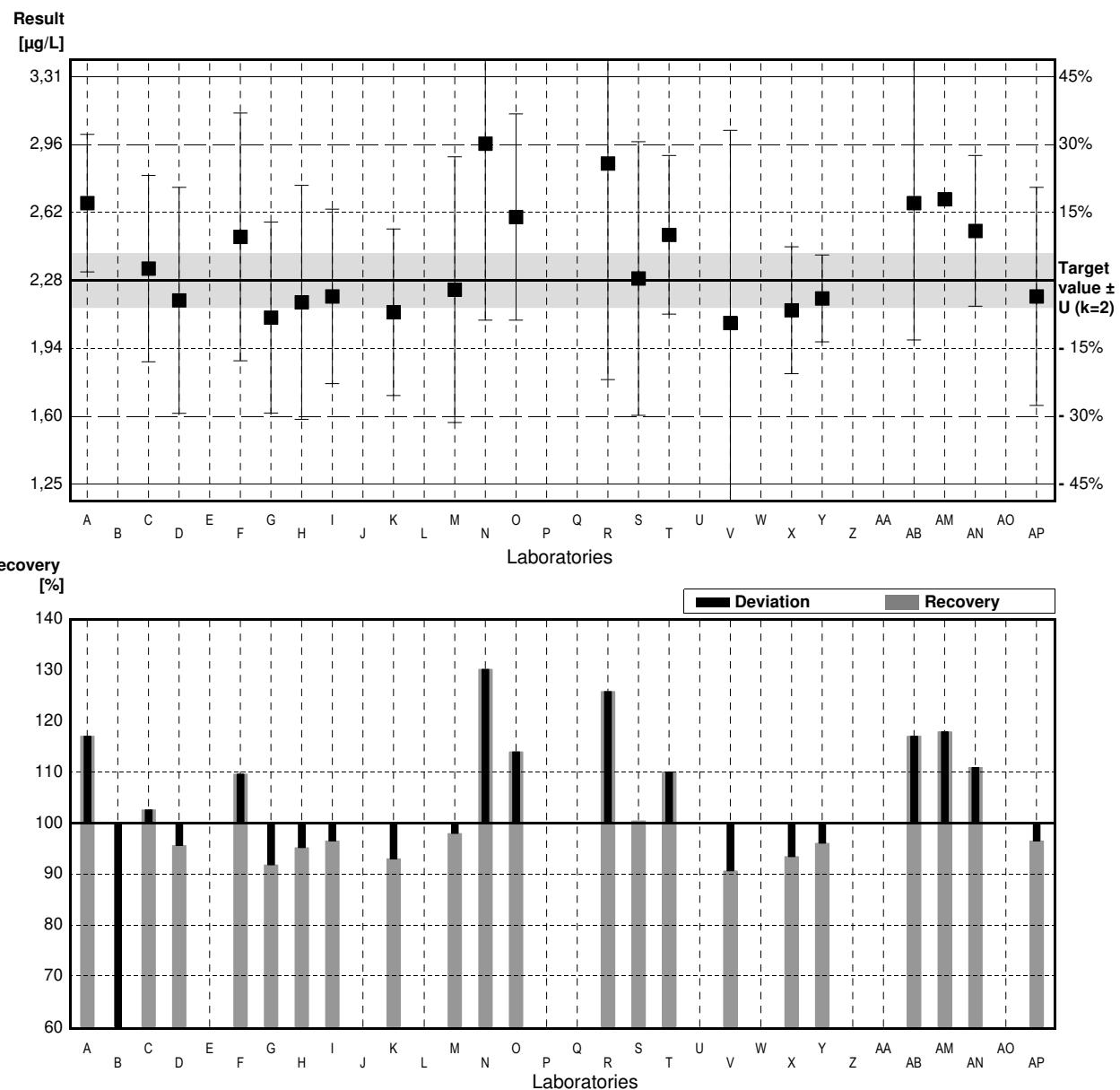
Target value  $\pm U$  ( $k=2$ ) 2,28 µg/L  $\pm$  0,14 µg/L

IFA result  $\pm U$  ( $k=2$ ) 2,32 µg/L  $\pm$  0,35 µg/L

Stability test  $\pm U$  ( $k=2$ ) 2,32 µg/L  $\pm$  0,35 µg/L

Lab Code	Result	$\pm$	Unit	Recovery	z-Score
A	2.67	0.347	µg/L	117%	1.22
B	0.430 *	0.09	µg/L	19%	-5.80
C	2.34	0.47	µg/L	103%	0.19
D	2.18	0.57	µg/L	96%	-0.31
E			µg/L		
F	2,500	0,625	µg/L	110%	0,69
G	2,093	0,481	µg/L	92%	-0,59
H	2,17	0,59	µg/L	95%	-0,34
I	2,20	0,440	µg/L	96%	-0,25
J			µg/L		
K	2,12	0,42	µg/L	93%	-0,50
L			µg/L		
M	2,234	0,670	µg/L	98%	-0,14
N	2,97	0,89	µg/L	130%	2,16
O	2,60	0,52	µg/L	114%	1,00
P			µg/L		
Q			µg/L		
R	2,87	1,09	µg/L	126%	1,85
S	2,29	0,69	µg/L	100%	0,03
T	2,51	0,40	µg/L	110%	0,72
U			µg/L		
V	2,066	0,971	µg/L	91%	-0,67
W			µg/L		
X	2,13	0,32	µg/L	93%	-0,47
Y	2,190	0,219	µg/L	96%	-0,28
Z			µg/L		
AA			µg/L		
AB	2,67	0,69	µg/L	117%	1,22
AM	2,69		µg/L	118%	1,28
AN	2,530	0,380	µg/L	111%	0,78
AO			µg/L		
AP	2,20	0,55	µg/L	96%	-0,25

Mean $\pm$ CI(99%)	All results	Outliers excl.	Unit
	2,30 $\pm$ 0,30	2,39 $\pm$ 0,17	µg/L
Recov. $\pm$ CI(99%)	101,0 $\pm$ 13,1	104,9 $\pm$ 7,4	%
SD between labs	0,50	0,27	µg/L
RSD between labs	21,5	11,4	%
n for calculation	22	21	



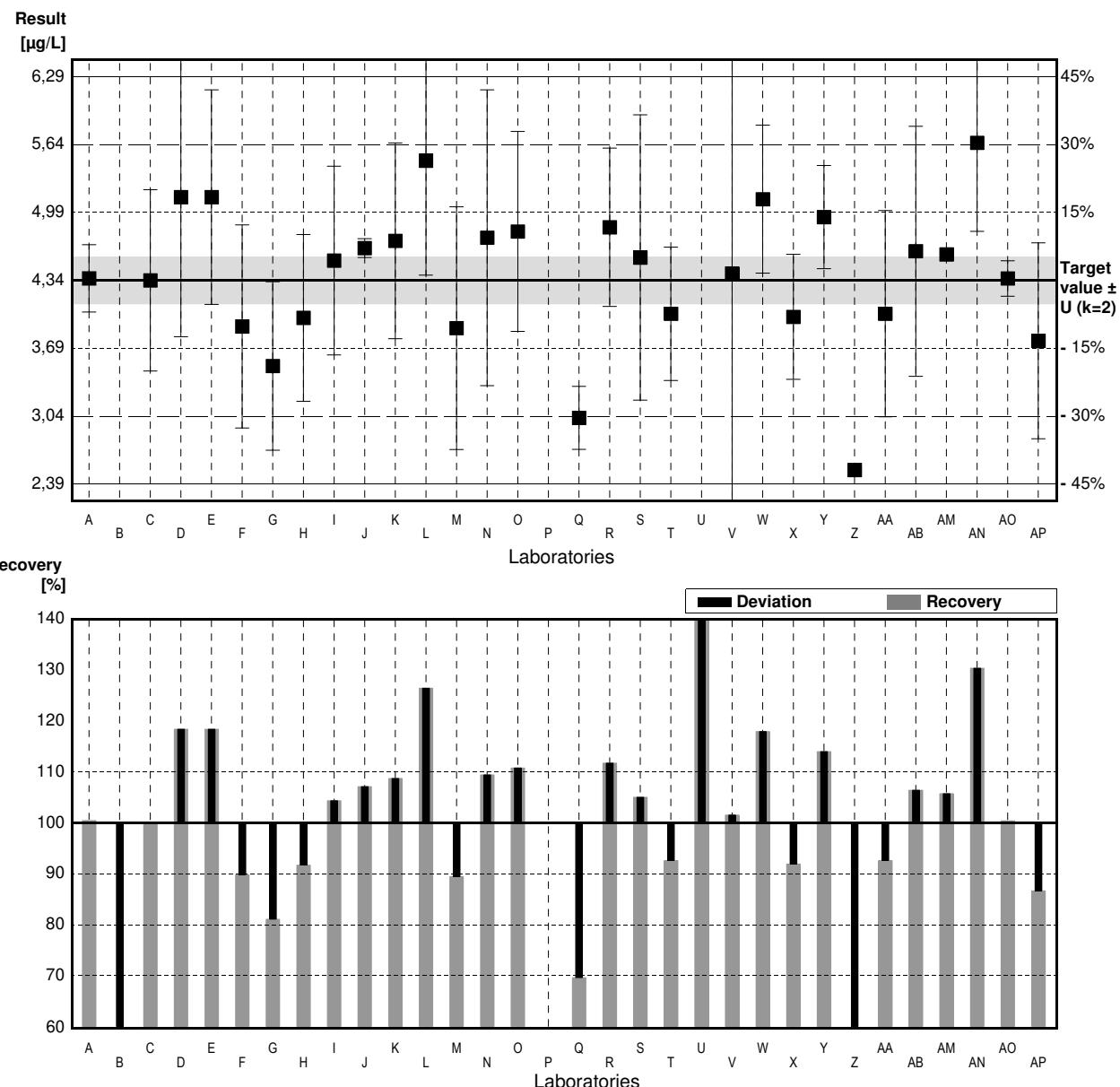
## Sample B-CB08A

### Parameter Benzene

Target value  $\pm U$  ( $k=2$ ) 4,34  $\mu\text{g/L}$   $\pm$  0,23  $\mu\text{g/L}$   
 IFA result  $\pm U$  ( $k=2$ ) 4,21  $\mu\text{g/L}$   $\pm$  0,63  $\mu\text{g/L}$   
 Stability test  $\pm U$  ( $k=2$ ) 4,18  $\mu\text{g/L}$   $\pm$  0,63  $\mu\text{g/L}$

Lab Code	Result	$\pm$	Unit	Recovery	z-Score
A	4.36	0.323	$\mu\text{g/L}$	100%	0.03
B	0.96 *	0.19	$\mu\text{g/L}$	22%	-5.19
C	4.34	0.87	$\mu\text{g/L}$	100%	0.00
D	5.14	1.34	$\mu\text{g/L}$	118%	1.23
E	5.14	1.03	$\mu\text{g/L}$	118%	1.23
F	3.898	0.975	$\mu\text{g/L}$	90%	-0.68
G	3.518	0.809	$\mu\text{g/L}$	81%	-1.26
H	3.98	0.80	$\mu\text{g/L}$	92%	-0.55
I	4.53	0.906	$\mu\text{g/L}$	104%	0.29
J	4.65	0.09	$\mu\text{g/L}$	107%	0.48
K	4.72	0.94	$\mu\text{g/L}$	109%	0.58
L	5.49	1.10	$\mu\text{g/L}$	126%	1.77
M	3.882	1.165	$\mu\text{g/L}$	89%	-0.70
N	4.75	1.42	$\mu\text{g/L}$	109%	0.63
O	4.81	0.96	$\mu\text{g/L}$	111%	0.72
P			$\mu\text{g/L}$		
Q	3.02	0.302	$\mu\text{g/L}$	70%	-2.03
R	4.85	0.76	$\mu\text{g/L}$	112%	0.78
S	4.56	1.37	$\mu\text{g/L}$	105%	0.34
T	4.02	0.64	$\mu\text{g/L}$	93%	-0.49
U	6.299		$\mu\text{g/L}$	145%	3.01
V	4.407	2.248	$\mu\text{g/L}$	102%	0.10
W	5.12	0.71	$\mu\text{g/L}$	118%	1.20
X	3.99	0.60	$\mu\text{g/L}$	92%	-0.54
Y	4.948	0.495	$\mu\text{g/L}$	114%	0.93
Z	2.52		$\mu\text{g/L}$	58%	-2.80
AA	4.02	0.99	$\mu\text{g/L}$	93%	-0.49
AB	4.62	1.20	$\mu\text{g/L}$	106%	0.43
AM	4.59		$\mu\text{g/L}$	106%	0.38
AN	5.661	0.849	$\mu\text{g/L}$	130%	2.03
AO	4.35840	0.17	$\mu\text{g/L}$	100%	0.03
AP	3.76	0.94	$\mu\text{g/L}$	87%	-0.89

Mean $\pm \text{CI}(99\%)$	All results	Outliers excl.	Unit
	4,35 $\pm$ 0,48	4,47 $\pm$ 0,38	$\mu\text{g/L}$
Recov. $\pm \text{CI}(99\%)$	100,3 $\pm$ 11,1	102,9 $\pm$ 8,8	%
SD between labs	0,98	0,76	$\mu\text{g/L}$
RSD between labs	22,4	17,0	%
n for calculation	31	30	



## Sample B-CB08B

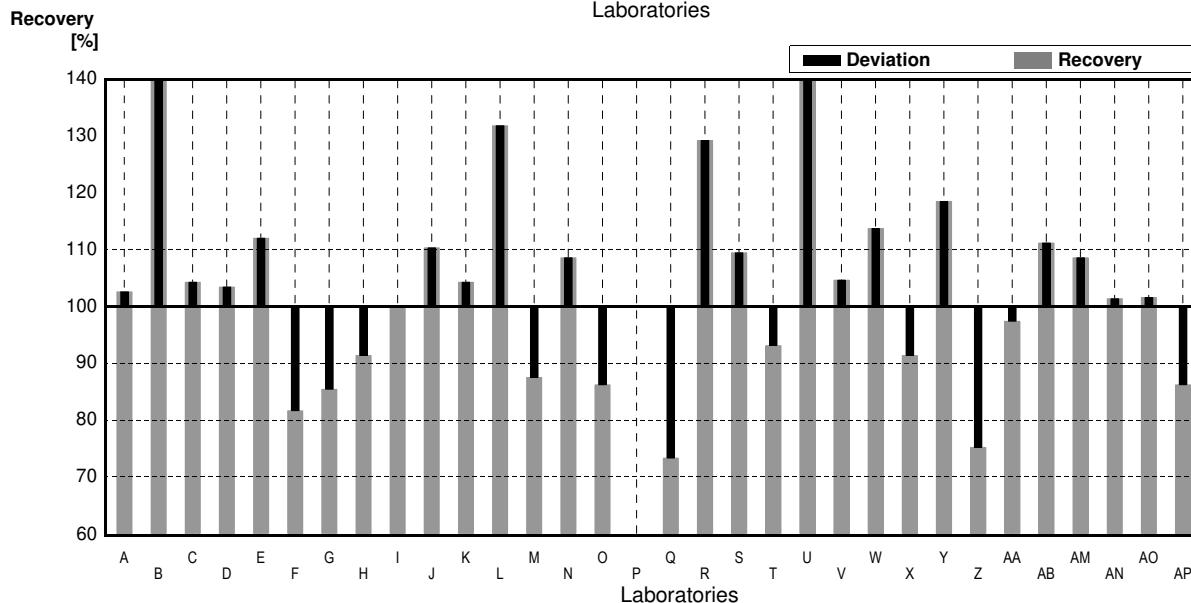
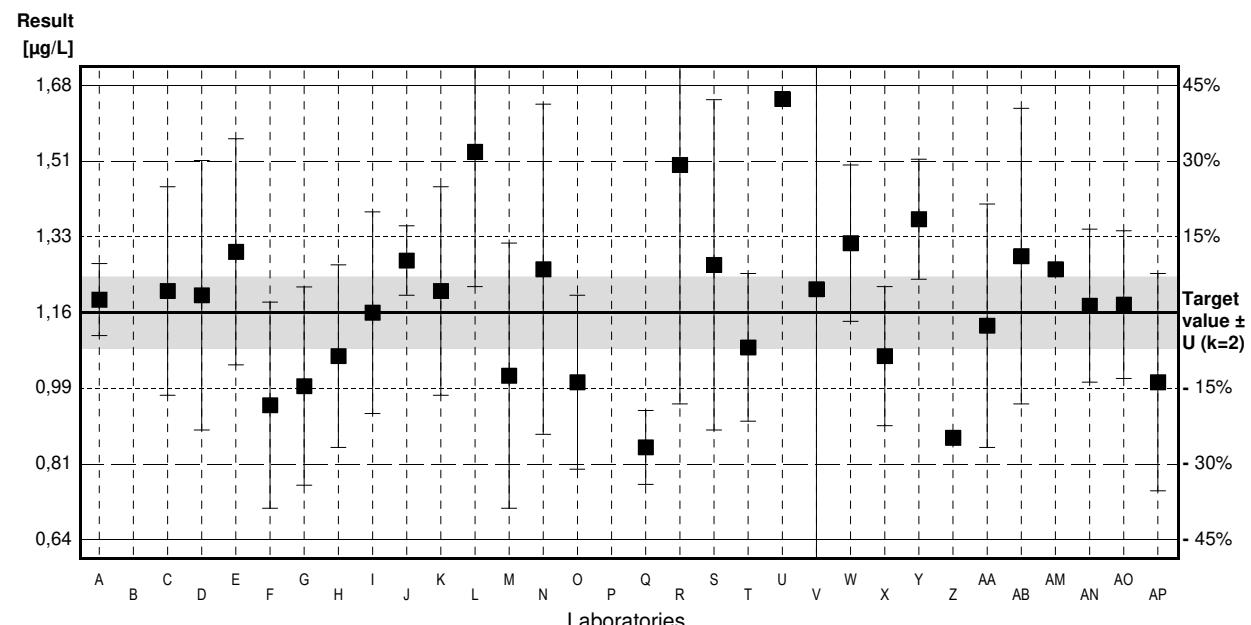
### Parameter Benzene

Target value  $\pm U$  ( $k=2$ ) 1,16 µg/L  $\pm$  0,08 µg/L

IFA result  $\pm U$  ( $k=2$ ) 1,13 µg/L  $\pm$  0,17 µg/L

Stability test  $\pm U$  ( $k=2$ ) 1,13 µg/L  $\pm$  0,17 µg/L

Lab Code	Result	$\pm$	Unit	Recovery	z-Score
A	1.19	0.083	µg/L	103%	0.17
B	3.79 *	0.76	µg/L	327%	15.11
C	1.21	0.24	µg/L	104%	0.29
D	1.20	0.31	µg/L	103%	0.23
E	1.30	0.26	µg/L	112%	0.80
F	0.947	0.237	µg/L	82%	-1.22
G	0.991	0.228	µg/L	85%	-0.97
H	1.06	0.21	µg/L	91%	-0.57
I	1.16	0.232	µg/L	100%	0.00
J	1.28	0.08	µg/L	110%	0.69
K	1.21	0.24	µg/L	104%	0.29
L	1.53	0.31	µg/L	132%	2.13
M	1.015	0.305	µg/L	88%	-0.83
N	1.26	0.38	µg/L	109%	0.57
O	1.00	0.20	µg/L	86%	-0.92
P			µg/L		
Q	0.85	0.085	µg/L	73%	-1.78
R	1.50	0.55	µg/L	129%	1.95
S	1.27	0.38	µg/L	109%	0.63
T	1.08	0.17	µg/L	93%	-0.46
U	1.652		µg/L	142%	2.83
V	1.214	0.619	µg/L	105%	0.31
W	1.32	0.18	µg/L	114%	0.92
X	1.06	0.16	µg/L	91%	-0.57
Y	1.375	0.138	µg/L	119%	1.24
Z	0.872		µg/L	75%	-1.66
AA	1.13	0.28	µg/L	97%	-0.17
AB	1.29	0.34	µg/L	111%	0.75
AM	1.26		µg/L	109%	0.57
AN	1.176	0.176	µg/L	101%	0.09
AO	1.17845	0.17	µg/L	102%	0.11
AP	1.00	0.25	µg/L	86%	-0.92



Mean $\pm$ CI(99%)	All results	Outliers excl.	Unit
	1,27 $\pm$ 0,25	1,19 $\pm$ 0,09	µg/L
Recov. $\pm$ CI(99%)	109,5 $\pm$ 21,4	102,2 $\pm$ 8,0	%
SD between labs	0,50	0,19	µg/L
RSD between labs	39,5	15,6	%
n for calculation	31	30	

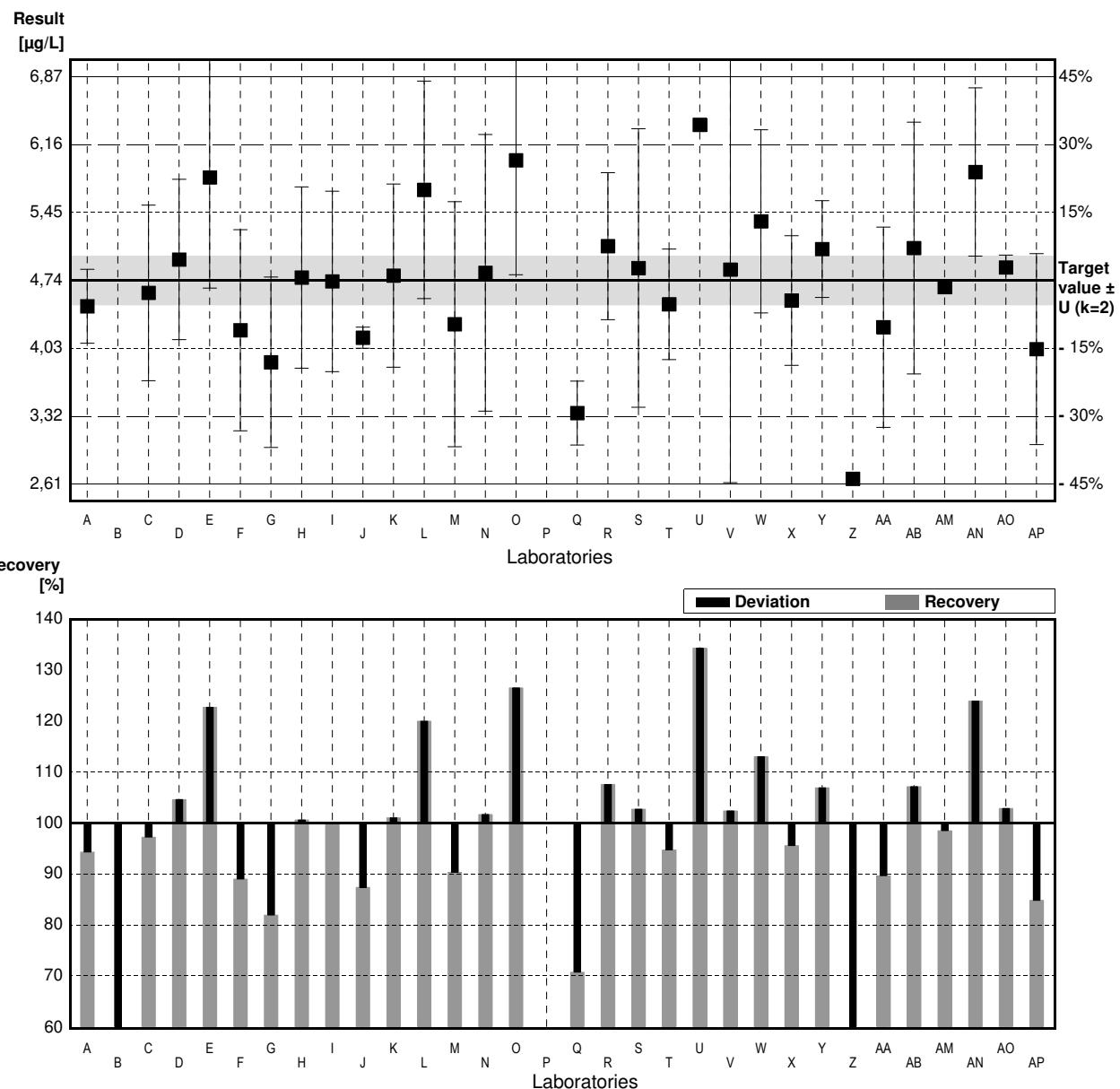
## Sample B-CB08A

### Parameter Toluene

Target value  $\pm U$  ( $k=2$ ) 4,74  $\mu\text{g/L}$   $\pm$  0,26  $\mu\text{g/L}$   
 IFA result  $\pm U$  ( $k=2$ ) 4,70  $\mu\text{g/L}$   $\pm$  0,71  $\mu\text{g/L}$   
 Stability test  $\pm U$  ( $k=2$ ) 4,66  $\mu\text{g/L}$   $\pm$  0,70  $\mu\text{g/L}$

Lab Code	Result	$\pm$	Unit	Recovery	z-Score
A	4.47	0.388	$\mu\text{g/L}$	94%	-0.41
B	2.17 *	0.43	$\mu\text{g/L}$	46%	-3.87
C	4.61	0.92	$\mu\text{g/L}$	97%	-0.20
D	4.96	0.84	$\mu\text{g/L}$	105%	0.33
E	5.82	1.16	$\mu\text{g/L}$	123%	1.63
F	4.218	1.054	$\mu\text{g/L}$	89%	-0.79
G	3.883	0.893	$\mu\text{g/L}$	82%	-1.29
H	4.77	0.95	$\mu\text{g/L}$	101%	0.05
I	4.73	0.946	$\mu\text{g/L}$	100%	-0.02
J	4.14	0.11	$\mu\text{g/L}$	87%	-0.90
K	4.79	0.96	$\mu\text{g/L}$	101%	0.08
L	5.69	1.14	$\mu\text{g/L}$	120%	1.43
M	4.282	1.284	$\mu\text{g/L}$	90%	-0.69
N	4.82	1.45	$\mu\text{g/L}$	102%	0.12
O	6.0	1.20	$\mu\text{g/L}$	127%	1.90
P			$\mu\text{g/L}$		
Q	3.35	0.335	$\mu\text{g/L}$	71%	-2.09
R	5.1	0.77	$\mu\text{g/L}$	108%	0.54
S	4.87	1.46	$\mu\text{g/L}$	103%	0.20
T	4.49	0.58	$\mu\text{g/L}$	95%	-0.38
U	6.371 *		$\mu\text{g/L}$	134%	2.46
V	4.854	2.233	$\mu\text{g/L}$	102%	0.17
W	5.36	0.96	$\mu\text{g/L}$	113%	0.93
X	4.53	0.68	$\mu\text{g/L}$	96%	-0.32
Y	5.069	0.507	$\mu\text{g/L}$	107%	0.50
Z	2.66 *		$\mu\text{g/L}$	56%	-3.13
AA	4.25	1.05	$\mu\text{g/L}$	90%	-0.74
AB	5.08	1.32	$\mu\text{g/L}$	107%	0.51
AM	4.67		$\mu\text{g/L}$	99%	-0.11
AN	5.877	0.882	$\mu\text{g/L}$	124%	1.71
AO	4.87715	0.13	$\mu\text{g/L}$	103%	0.21
AP	4.02	1.00	$\mu\text{g/L}$	85%	-1.08

Mean $\pm$ CI(99%)	All results	Outliers excl.	Unit
Recov. $\pm$ CI(99%)	$4,67 \pm 0,44$	$4,77 \pm 0,32$	$\mu\text{g/L}$
SD between labs	$98,5 \pm 9,3$	$100,6 \pm 6,8$	%
RSD between labs	0,89	0,62	$\mu\text{g/L}$
n for calculation	31	28	%



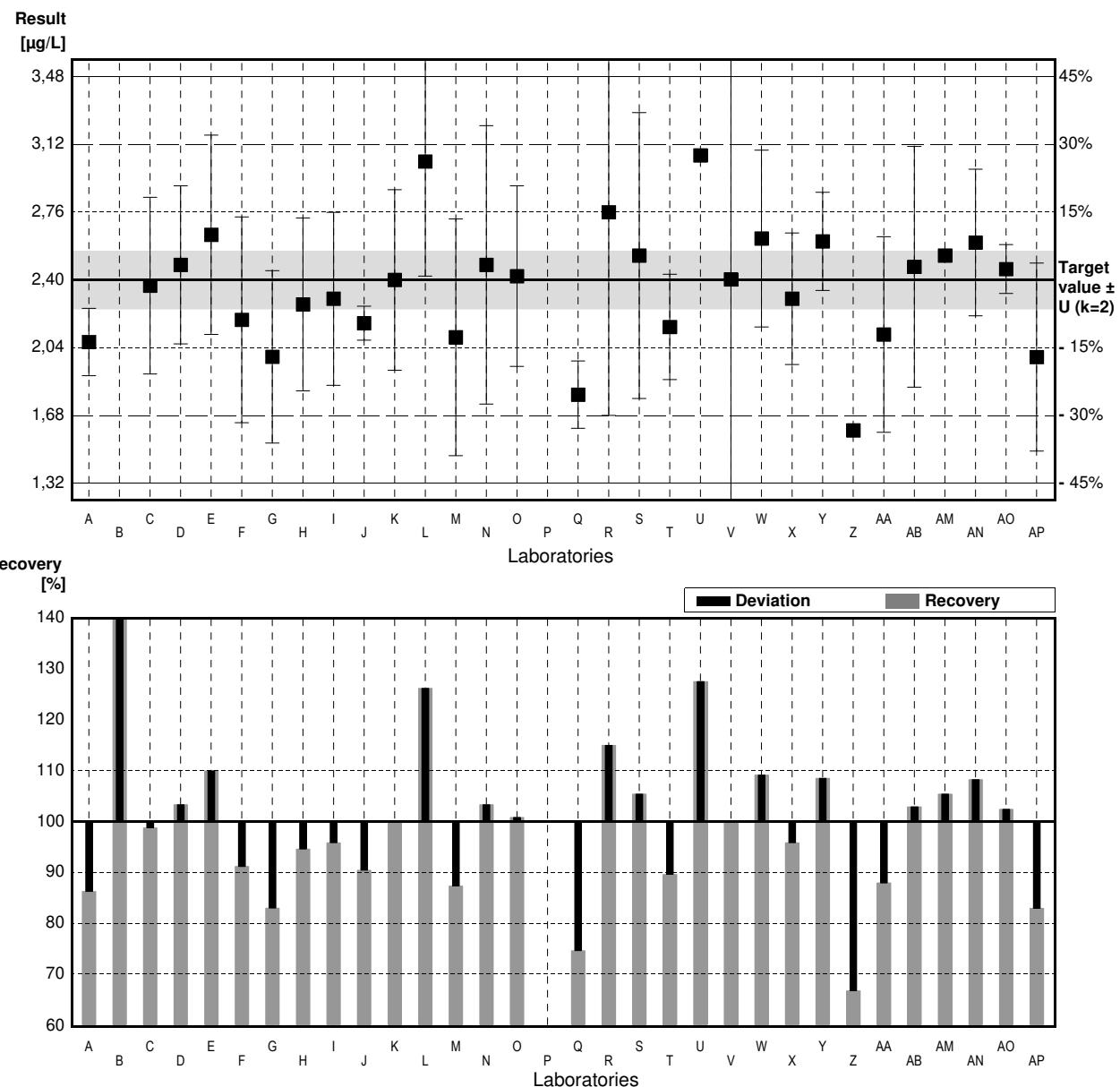
## Sample B-CB08B

### Parameter Toluene

Target value  $\pm U$  ( $k=2$ ) 2,40 µg/L  $\pm$  0,15 µg/L  
 IFA result  $\pm U$  ( $k=2$ ) 2,33 µg/L  $\pm$  0,35 µg/L  
 Stability test  $\pm U$  ( $k=2$ ) 2,32 µg/L  $\pm$  0,35 µg/L

Lab Code	Result	$\pm$	Unit	Recovery	z-Score
A	2,07	0,179	µg/L	86%	-0,98
B	5,03 *	0,10	µg/L	210%	7,83
C	2,37	0,47	µg/L	99%	-0,09
D	2,48	0,42	µg/L	103%	0,24
E	2,64	0,53	µg/L	110%	0,71
F	2,188	0,547	µg/L	91%	-0,63
G	1,991	0,458	µg/L	83%	-1,22
H	2,27	0,46	µg/L	95%	-0,39
I	2,30	0,460	µg/L	96%	-0,30
J	2,17	0,09	µg/L	90%	-0,68
K	2,40	0,48	µg/L	100%	0,00
L	3,03	0,61	µg/L	126%	1,88
M	2,095	0,629	µg/L	87%	-0,91
N	2,48	0,74	µg/L	103%	0,24
O	2,42	0,48	µg/L	101%	0,06
P			µg/L		
Q	1,79	0,179	µg/L	75%	-1,82
R	2,76	1,08	µg/L	115%	1,07
S	2,53	0,76	µg/L	105%	0,39
T	2,15	0,28	µg/L	90%	-0,74
U	3,062		µg/L	128%	1,97
V	2,403	1,105	µg/L	100%	0,01
W	2,62	0,47	µg/L	109%	0,65
X	2,30	0,35	µg/L	96%	-0,30
Y	2,605	0,261	µg/L	109%	0,61
Z	1,60		µg/L	67%	-2,38
AA	2,11	0,52	µg/L	88%	-0,86
AB	2,47	0,64	µg/L	103%	0,21
AM	2,53		µg/L	105%	0,39
AN	2,599	0,390	µg/L	108%	0,59
AO	2,45790	0,13	µg/L	102%	0,17
AP	1,99	0,50	µg/L	83%	-1,22

Mean $\pm$ CI(99%)	All results	Outliers excl.	Unit
	2,45 $\pm$ 0,28	2,36 $\pm$ 0,16	µg/L
Recov. $\pm$ CI(99%)	102,0 $\pm$ 11,8	98,4 $\pm$ 6,8	%
SD between labs	0,57	0,32	µg/L
RSD between labs	23,4	13,6	%
n for calculation	31	30	



## Sample B-CB08A

### Parameter Ethylbenzene

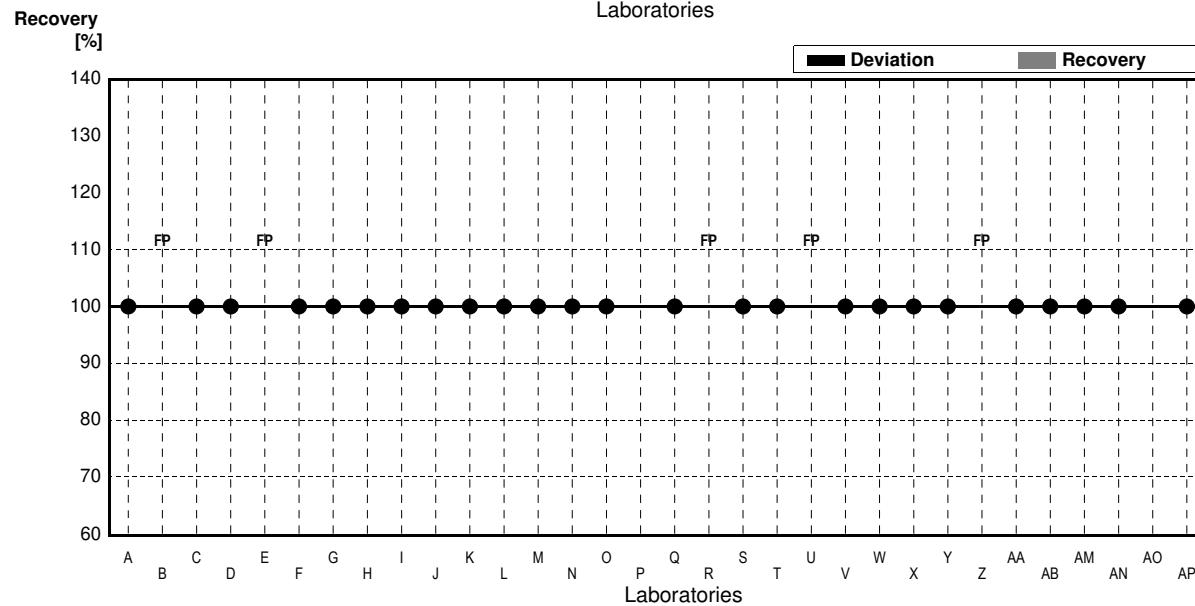
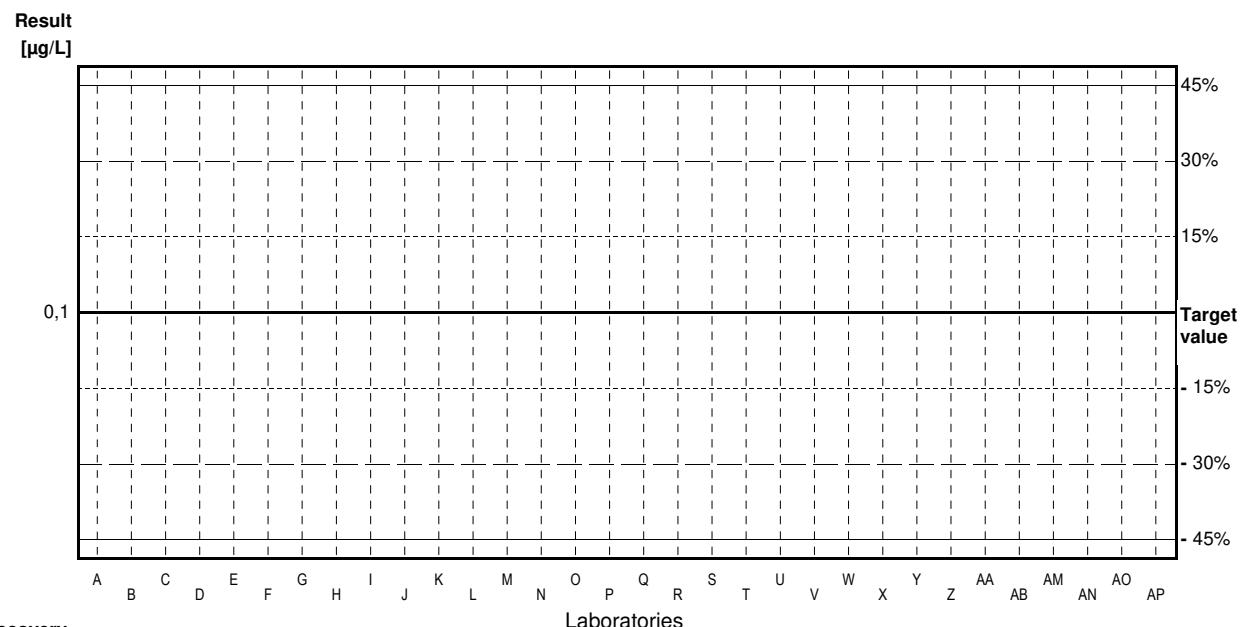
Target value <0,1 µg/L

IFA result <0,1 µg/L

Stability test <0,1 µg/L

Lab Code	Result	±	Unit	Recovery	z-Score
A	<0.100		µg/L	•	
B	1.66	0.33	µg/L	FP	
C	<0.050		µg/L	•	
D	<0.2		µg/L	•	
E	0.428	0.09	µg/L	FP	
F	<0.050	0.020	µg/L	•	
G	<0.2		µg/L	•	
H	<0.10		µg/L	•	
I	<0.5		µg/L	•	
J	<0.50		µg/L	•	
K	<0.1		µg/L	•	
L	<0.50		µg/L	•	
M	<0.100		µg/L	•	
N	<0.10		µg/L	•	
O	<0.40		µg/L	•	
P			µg/L		
Q	<0.50	0.050	µg/L	•	
R	0.178	0.0059	µg/L	FP	
S	<0.50		µg/L	•	
T	<0.020		µg/L	•	
U	1.410		µg/L	FP	
V	<0.015		µg/L	•	
W	<0.500	0.25	µg/L	•	
X	<0.5		µg/L	•	
Y	<0.1		µg/L	•	
Z	0.511		µg/L	FP	
AA	<0.5		µg/L	•	
AB	<0.1	0.03	µg/L	•	
AM	<0.1		µg/L	•	
AN	<0.1		µg/L	•	
AO			µg/L		
AP	<0.10	0.03	µg/L	•	

	All results	Outliers excl.	Unit µg/L % µg/L %
Mean ± CI(99%)			
Recov. ± CI(99%)			
SD between labs			
RSD between labs			
n for calculation			



## Sample B-CB08B

### Parameter Ethylbenzene

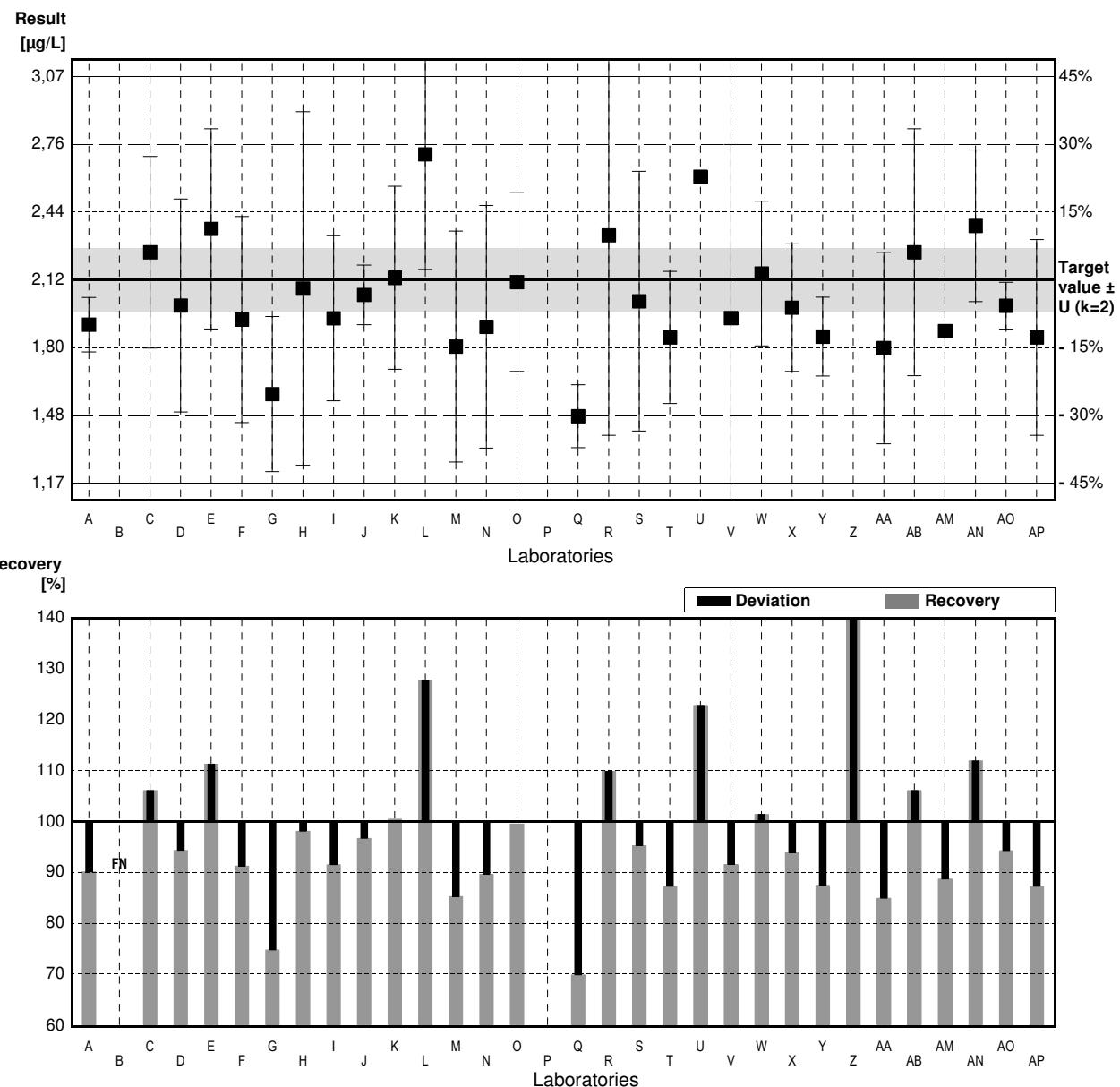
Target value  $\pm U$  ( $k=2$ ) 2,12 µg/L  $\pm$  0,15 µg/L

IFA result  $\pm U$  ( $k=2$ ) 1,93 µg/L  $\pm$  0,29 µg/L

Stability test  $\pm U$  ( $k=2$ ) 1,93 µg/L  $\pm$  0,29 µg/L

Lab Code	Result	$\pm$	Unit	Recovery	z-Score
A	1.91	0.128	µg/L	90%	-0.58
B	<0.100		µg/L	FN	
C	2.25	0.45	µg/L	106%	0.36
D	2.00	0.50	µg/L	94%	-0.33
E	2.36	0.47	µg/L	111%	0.67
F	1.934	0.484	µg/L	91%	-0.52
G	1.584	0.364	µg/L	75%	-1.49
H	2.08	0.83	µg/L	98%	-0.11
I	1.94	0.388	µg/L	92%	-0.50
J	2.05	0.14	µg/L	97%	-0.19
K	2.13	0.43	µg/L	100%	0.03
L	2.71 *	0.54	µg/L	128%	1.64
M	1.807	0.542	µg/L	85%	-0.87
N	1.90	0.57	µg/L	90%	-0.61
O	2.11	0.42	µg/L	100%	-0.03
P			µg/L		
Q	1.48	0.148	µg/L	70%	-1.78
R	2.33	0.94	µg/L	110%	0.58
S	2.02	0.61	µg/L	95%	-0.28
T	1.85	0.31	µg/L	87%	-0.75
U	2.605		µg/L	123%	1.35
V	1.941	0.815	µg/L	92%	-0.50
W	2.15	0.34	µg/L	101%	0.08
X	1.99	0.30	µg/L	94%	-0.36
Y	1.854	0.185	µg/L	87%	-0.74
Z	3.14 *		µg/L	148%	2.83
AA	1.80	0.45	µg/L	85%	-0.89
AB	2.25	0.58	µg/L	106%	0.36
AM	1.88		µg/L	89%	-0.67
AN	2.374	0.356	µg/L	112%	0.70
AO	1.99905	0.11	µg/L	94%	-0.34
AP	1.85	0.46	µg/L	87%	-0.75

	All results	Outliers excl.	Unit
Mean $\pm$ CI(99%)	2,08 $\pm$ 0,17		µg/L
Recov. $\pm$ CI(99%)	97,9 $\pm$ 7,9	95,1 $\pm$ 5,9	%
SD between labs	0,33	0,24	µg/L
RSD between labs	16,0	11,9	%
n for calculation	30	28	



## Sample B-CB08A

### Parameter m,p-Xylene

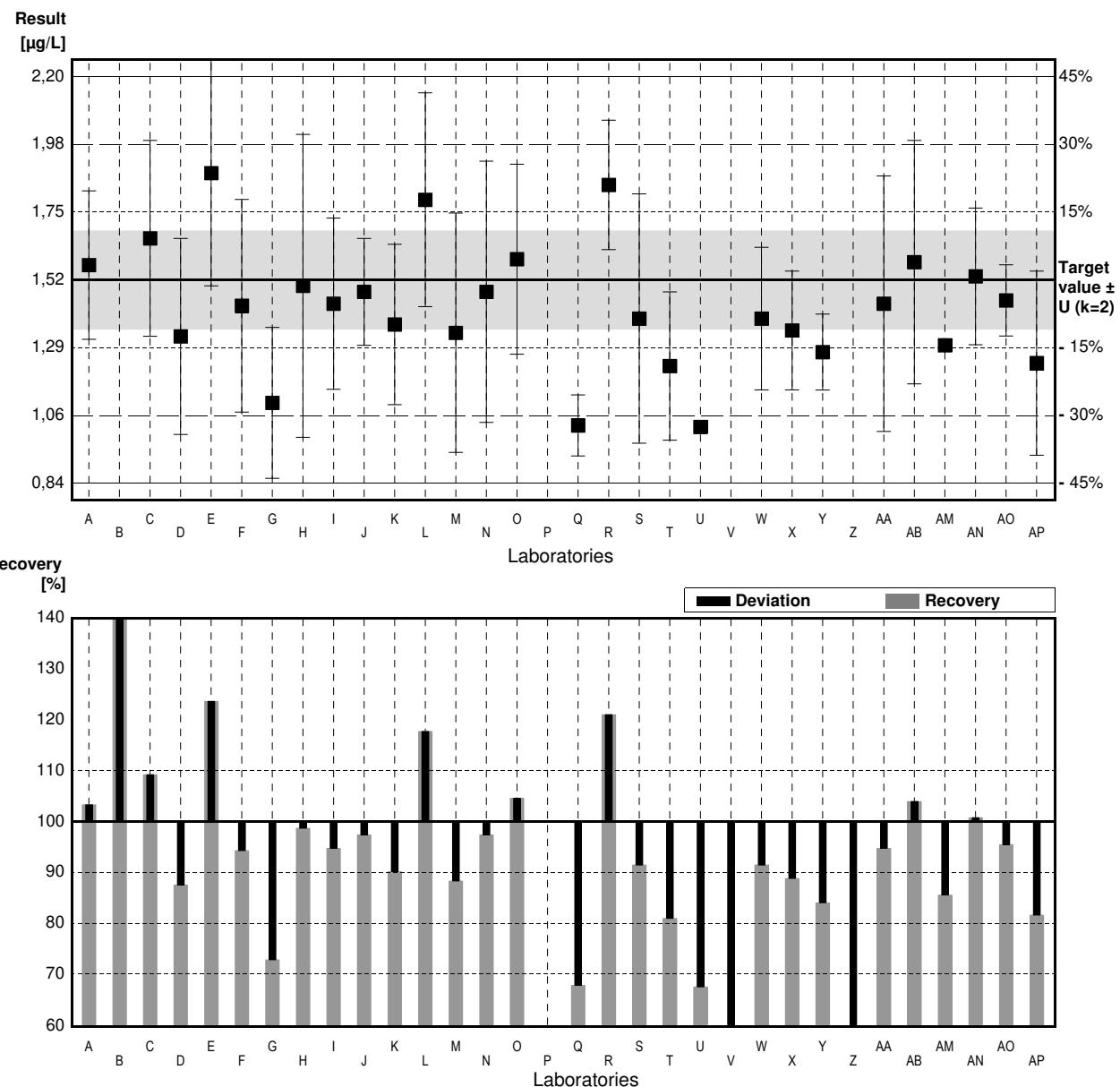
Target value  $\pm U$  ( $k=2$ ) 1,52 µg/L  $\pm$  0,17 µg/L

IFA result  $\pm U$  ( $k=2$ ) 1,40 µg/L  $\pm$  0,21 µg/L

Stability test  $\pm U$  ( $k=2$ ) 1,35 µg/L  $\pm$  0,20 µg/L

Lab Code	Result	$\pm$	Unit	Recovery	z-Score
A	1.57	0.250	µg/L	103%	0.17
B	3.60 *	0.72	µg/L	237%	7.20
C	1.66	0.33	µg/L	109%	0.48
D	1.33	0.33	µg/L	88%	-0.66
E	1.88	0.38	µg/L	124%	1.25
F	1.433	0.358	µg/L	94%	-0.30
G	1.106	0.254	µg/L	73%	-1.43
H	1.50	0.51	µg/L	99%	-0.07
I	1.44	0.288	µg/L	95%	-0.28
J	1.48	0.18	µg/L	97%	-0.14
K	1.37	0.27	µg/L	90%	-0.52
L	1.79	0.36	µg/L	118%	0.93
M	1.342	0.403	µg/L	88%	-0.62
N	1.48	0.44	µg/L	97%	-0.14
O	1.59	0.32	µg/L	105%	0.24
P			µg/L		
Q	1.03	0.103	µg/L	68%	-1.70
R	1.84	0.218	µg/L	121%	1.11
S	1.39	0.42	µg/L	91%	-0.45
T	1.23	0.25	µg/L	81%	-1.00
U	1.025		µg/L	67%	-1.71
V	0.609 *	0.256	µg/L	40%	-3.15
W	1.39	0.24	µg/L	91%	-0.45
X	1.35	0.20	µg/L	89%	-0.59
Y	1.277	0.128	µg/L	84%	-0.84
Z	0.385 *		µg/L	25%	-3.93
AA	1.44	0.43	µg/L	95%	-0.28
AB	1.58	0.41	µg/L	104%	0.21
AM	1.30		µg/L	86%	-0.76
AN	1.532	0.230	µg/L	101%	0.04
AO	1.45105	0.12	µg/L	95%	-0.24
AP	1.24	0.31	µg/L	82%	-0.97

	All results	Outliers excl.	Unit
Mean $\pm$ CI(99%)	$1,44 \pm 0,25$		µg/L
Recov. $\pm$ CI(99%)	$94,7 \pm 16,5$	$94,1 \pm 7,3$	%
SD between labs	0,51	0,21	µg/L
RSD between labs	35,2	14,9	%
n for calculation	31	28	



## Sample B-CB08B

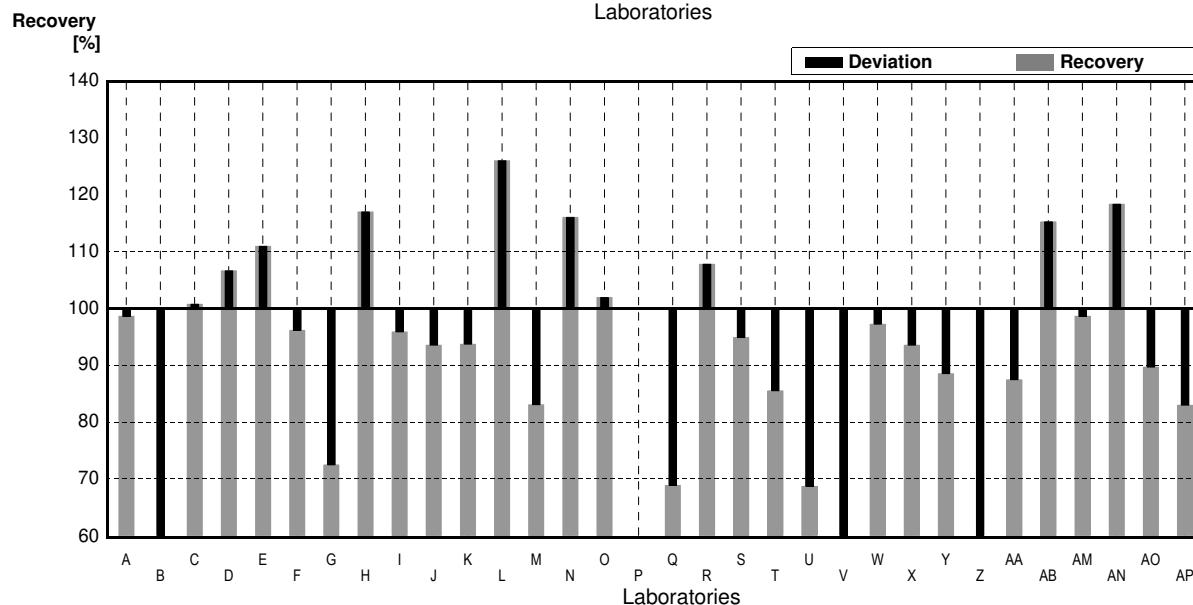
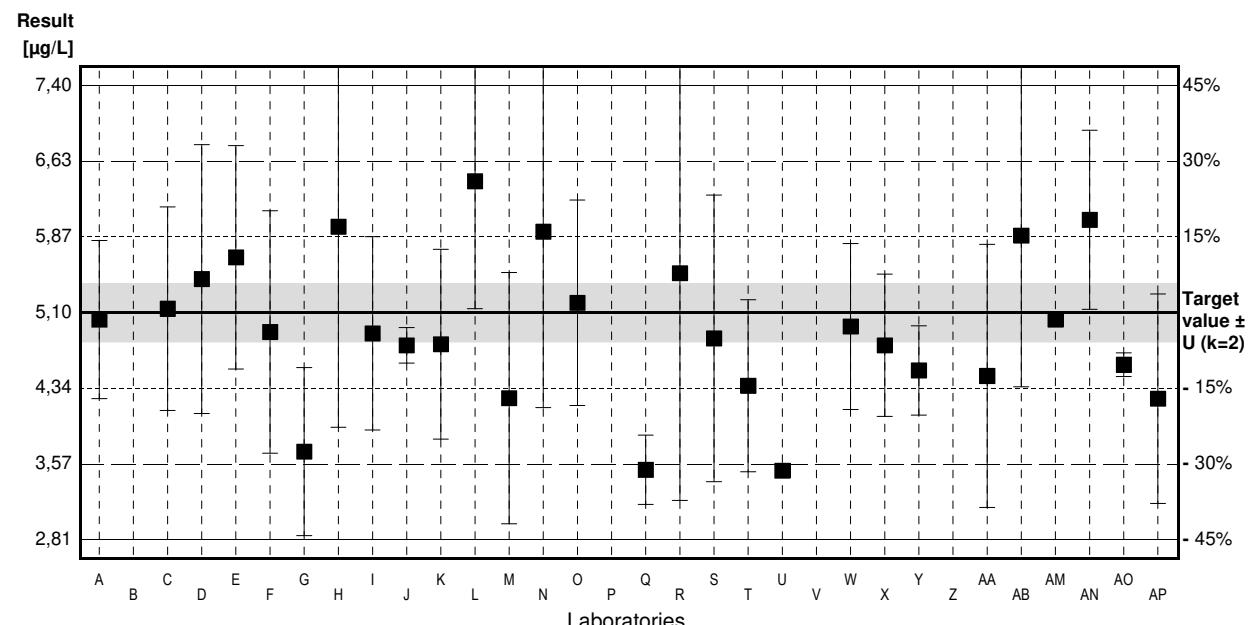
### Parameter m,p-Xylene

Target value  $\pm U$  ( $k=2$ ) 5,10 µg/L  $\pm$  0,30 µg/L

IFA result  $\pm U$  ( $k=2$ ) 5,00 µg/L  $\pm$  0,75 µg/L

Stability test  $\pm U$  ( $k=2$ ) 4,76 µg/L  $\pm$  0,71 µg/L

Lab Code	Result	$\pm$	Unit	Recovery	z-Score
A	5,03	0,800	µg/L	99%	-0,07
B	0,995 *	0,02	µg/L	20%	-4,24
C	5,14	1,03	µg/L	101%	0,04
D	5,44	1,36	µg/L	107%	0,35
E	5,66	1,13	µg/L	111%	0,58
F	4,904	1,226	µg/L	96%	-0,20
G	3,694	0,850	µg/L	72%	-1,45
H	5,97	2,03	µg/L	117%	0,90
I	4,89	0,978	µg/L	96%	-0,22
J	4,77	0,18	µg/L	94%	-0,34
K	4,78	0,96	µg/L	94%	-0,33
L	6,43	1,29	µg/L	126%	1,37
M	4,235	1,271	µg/L	83%	-0,89
N	5,92	1,78	µg/L	116%	0,85
O	5,2	1,04	µg/L	102%	0,10
P			µg/L		
Q	3,51	0,351	µg/L	69%	-1,64
R	5,5	2,30	µg/L	108%	0,41
S	4,84	1,45	µg/L	95%	-0,27
T	4,36	0,87	µg/L	85%	-0,76
U	3,501		µg/L	69%	-1,65
V	2,553	1,072	µg/L	50%	-2,63
W	4,96	0,84	µg/L	97%	-0,14
X	4,77	0,72	µg/L	94%	-0,34
Y	4,515	0,452	µg/L	89%	-0,60
Z	1,60 *		µg/L	31%	-3,61
AA	4,46	1,33	µg/L	87%	-0,66
AB	5,88	1,53	µg/L	115%	0,80
AM	5,03		µg/L	99%	-0,07
AN	6,039	0,906	µg/L	118%	0,97
AO	4,57340	0,12	µg/L	90%	-0,54
AP	4,23	1,06	µg/L	83%	-0,90



Mean $\pm$ CI(99%)	All results	Outliers excl.	Unit
	4,63 $\pm$ 0,60	4,85 $\pm$ 0,44	µg/L
Recov. $\pm$ CI(99%)		95,2 $\pm$ 8,6	%
SD between labs	90,7 $\pm$ 11,8	0,86	µg/L
SD between labs	1,22	17,7	%
RSD between labs	26,3		µg/L
n for calculation	31	29	%

## Sample B-CB08A

### Parameter o-Xylene

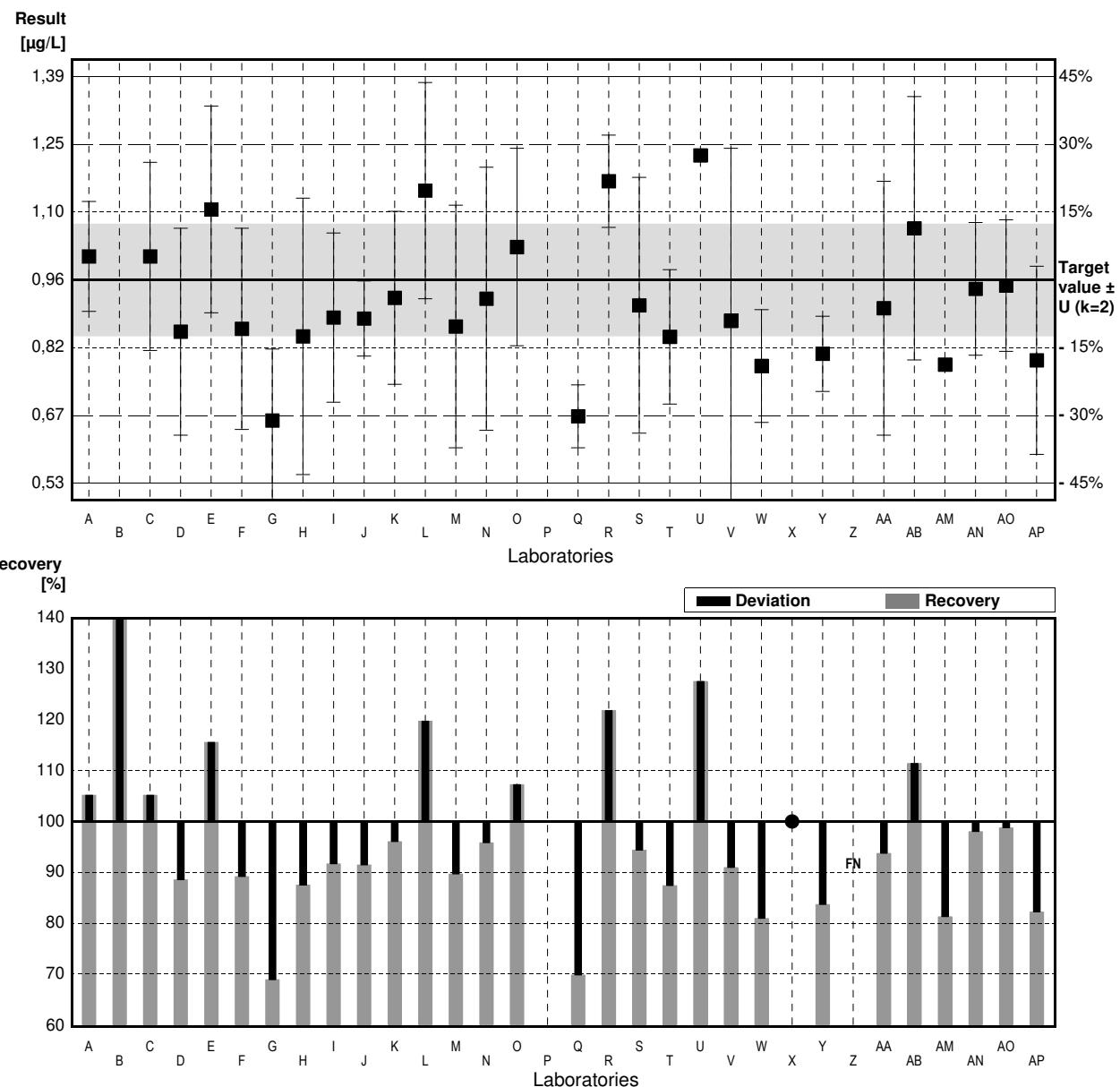
Target value  $\pm U$  ( $k=2$ ) 0.96 µg/L  $\pm$  0.12 µg/L

IFA result  $\pm U$  ( $k=2$ ) 0.93 µg/L  $\pm$  0.14 µg/L

Stability test  $\pm U$  ( $k=2$ ) 0.92 µg/L  $\pm$  0.14 µg/L

Lab Code	Result	$\pm$	Unit	Recovery	z-Score
A	1.01	0.117	µg/L	105%	0.35
B	4.53 *	0.91	µg/L	472%	24.79
C	1.01	0.20	µg/L	105%	0.35
D	0.85	0.22	µg/L	89%	-0.76
E	1.11	0.22	µg/L	116%	1.04
F	0.856	0.214	µg/L	89%	-0.72
G	0.661	0.152	µg/L	69%	-2.08
H	0.840	0.294	µg/L	88%	-0.83
I	0.88	0.18	µg/L	92%	-0.56
J	0.878	0.08	µg/L	91%	-0.57
K	0.922	0.184	µg/L	96%	-0.26
L	1.15	0.23	µg/L	120%	1.32
M	0.861	0.258	µg/L	90%	-0.69
N	0.92	0.28	µg/L	96%	-0.28
O	1.03	0.21	µg/L	107%	0.49
P			µg/L		
Q	0.67	0.067	µg/L	70%	-2.01
R	1.17	0.098	µg/L	122%	1.46
S	0.906	0.272	µg/L	94%	-0.38
T	0.839	0.143	µg/L	87%	-0.84
U	1.225		µg/L	128%	1.84
V	0.873	0.367	µg/L	91%	-0.60
W	0.777	0.120	µg/L	81%	-1.27
X	<1		µg/L	*	
Y	0.803	0.080	µg/L	84%	-1.09
Z	<0.1		µg/L	FN	
AA	0.90	0.27	µg/L	94%	-0.42
AB	1.07	0.28	µg/L	111%	0.76
AM	0.78		µg/L	81%	-1.25
AN	0.941	0.141	µg/L	98%	-0.13
AO	0.94805	0.14	µg/L	99%	-0.08
AP	0.789	0.20	µg/L	82%	-1.19

Mean $\pm$ CI(99%)	All results	Outliers excl.	Unit
Mean $\pm$ CI(99%)	1,04 $\pm$ 0,35		µg/L
Recov. $\pm$ CI(99%)	108,5 $\pm$ 36,6	0,92 $\pm$ 0,07	%
SD between labs	0,68	95,5 $\pm$ 7,6	µg/L
RSD between labs	65,8	0,14	%
n for calculation	29	28	



## Sample B-CB08B

### Parameter o-Xylene

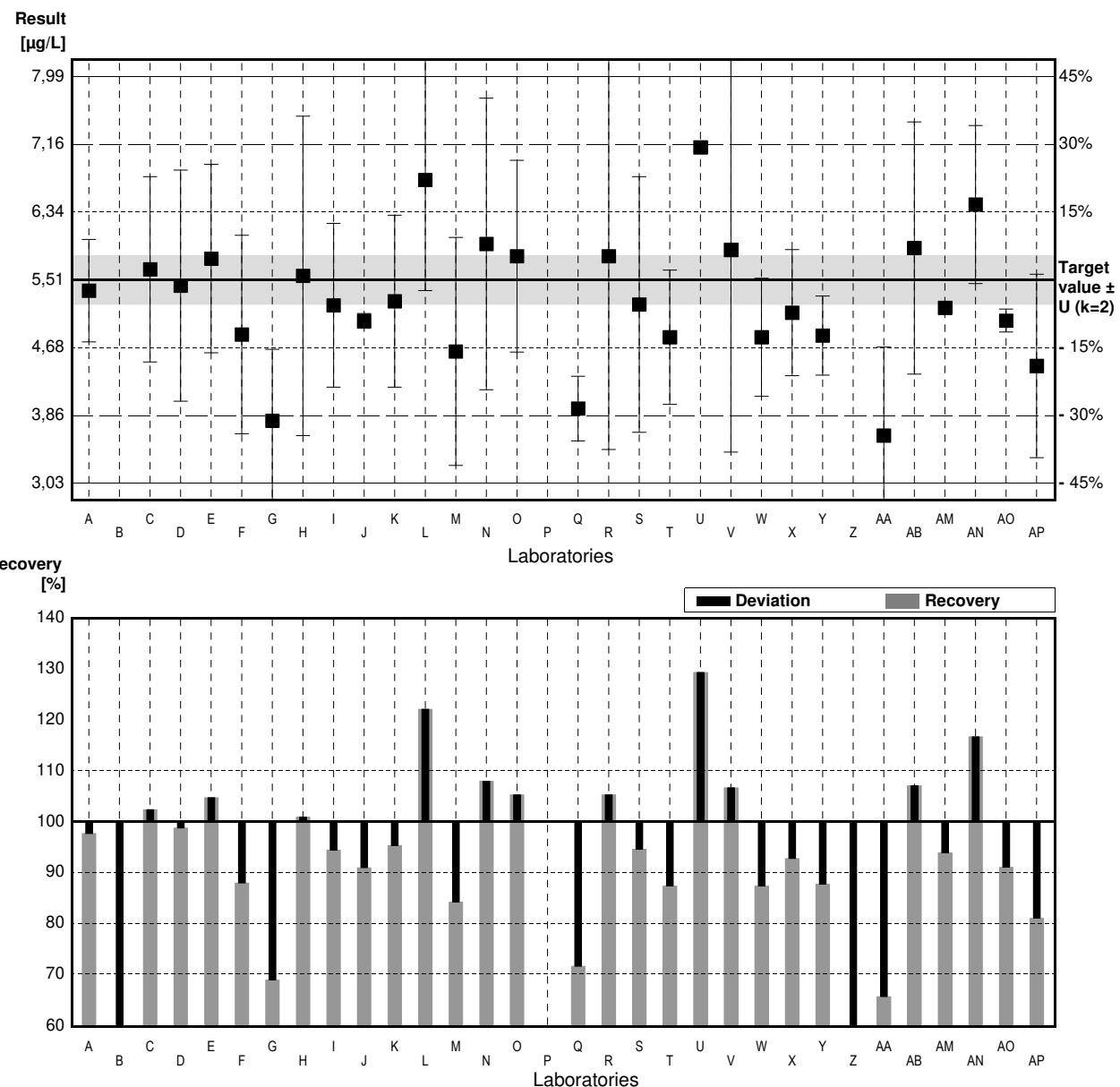
Target value  $\pm U$  ( $k=2$ ) 5,51 µg/L  $\pm$  0,30 µg/L

IFA result  $\pm U$  ( $k=2$ ) 5,41 µg/L  $\pm$  0,81 µg/L

Stability test  $\pm U$  ( $k=2$ ) 5,37 µg/L  $\pm$  0,81 µg/L

Lab Code	Result	$\pm$	Unit	Recovery	z-Score
A	5,38	0,625	µg/L	98%	-0,16
B	0,76 *	0,15	µg/L	14%	-5,75
C	5,64	1,13	µg/L	102%	0,16
D	5,44	1,41	µg/L	99%	-0,08
E	5,77	1,15	µg/L	105%	0,31
F	4,843	1,211	µg/L	88%	-0,81
G	3,791	0,872	µg/L	69%	-2,08
H	5,56	1,95	µg/L	101%	0,06
I	5,2	1,0	µg/L	94%	-0,38
J	5,01	0,09	µg/L	91%	-0,60
K	5,25	1,05	µg/L	95%	-0,31
L	6,73	1,35	µg/L	122%	1,48
M	4,637	1,391	µg/L	84%	-1,06
N	5,95	1,78	µg/L	108%	0,53
O	5,8	1,17	µg/L	105%	0,35
P			µg/L		
Q	3,94	0,394	µg/L	72%	-1,90
R	5,8	2,36	µg/L	105%	0,35
S	5,21	1,56	µg/L	95%	-0,36
T	4,81	0,82	µg/L	87%	-0,85
U	7,129		µg/L	129%	1,96
V	5,877	2,468	µg/L	107%	0,44
W	4,81	0,72	µg/L	87%	-0,85
X	5,11	0,77	µg/L	93%	-0,48
Y	4,831	0,483	µg/L	88%	-0,82
Z	1,34 *		µg/L	24%	-5,05
AA	3,61	1,08	µg/L	66%	-2,30
AB	5,90	1,54	µg/L	107%	0,47
AM	5,17		µg/L	94%	-0,41
AN	6,431	0,965	µg/L	117%	1,11
AO	5,01345	0,14	µg/L	91%	-0,60
AP	4,46	1,12	µg/L	81%	-1,27

Mean $\pm$ CI(99%)	All results	Outliers excl.	Unit
5,01 $\pm$ 0,65		5,28 $\pm$ 0,41	µg/L
90,9 $\pm$ 11,8		95,8 $\pm$ 7,5	%
1,31		0,80	µg/L
26,2		15,2	%
n for calculation	31	29	



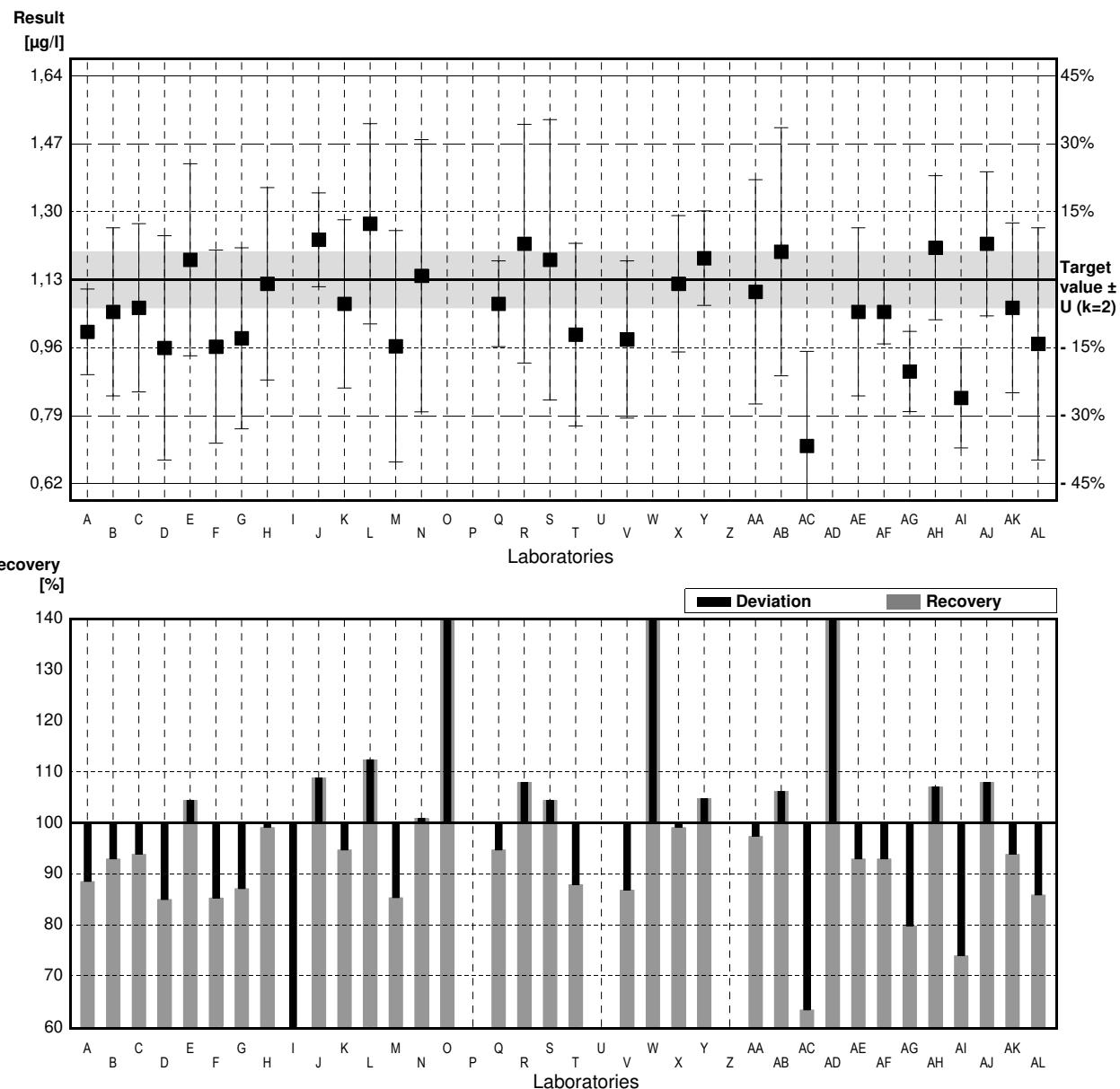
## Sample C-CB08A

### Parameter Trichloroethene

Target value  $\pm U$  ( $k=2$ ) 1,13 µg/l  $\pm$  0,07 µg/l  
 IFA result  $\pm U$  ( $k=2$ ) 1,16 µg/l  $\pm$  0,17 µg/l  
 Stability test  $\pm U$  ( $k=2$ ) 1,14 µg/l  $\pm$  0,17 µg/l

Lab Code	Result	$\pm$	Unit	Recovery	z-Score
A	1.00	0.107	µg/l	88%	-0.77
B	1.05	0.21	µg/l	93%	-0.47
C	1.06	0.21	µg/l	94%	-0.41
D	0.96	0.28	µg/l	85%	-1.00
E	1.18	0.24	µg/l	104%	0.29
F	0.963	0.241	µg/l	85%	-0.99
G	0.984	0.226	µg/l	87%	-0.86
H	1.12	0.24	µg/l	99%	-0.06
I	0.480 *	0.096	µg/l	42%	-3.83
J	1.23	0.117	µg/l	109%	0.59
K	1.07	0.21	µg/l	95%	-0.35
L	1.27	0.25	µg/l	112%	0.83
M	0.964	0.289	µg/l	85%	-0.98
N	1.14	0.34	µg/l	101%	0.06
O	1.64 *	0.33	µg/l	145%	3.01
P			µg/l		
Q	1.07	0.107	µg/l	95%	-0.35
R	1.22	0.298	µg/l	108%	0.53
S	1.18	0.35	µg/l	104%	0.29
T	0.993	0.228	µg/l	88%	-0.81
U			µg/l		
V	0.981	0.196	µg/l	87%	-0.88
W	1.71 *	0.38	µg/l	151%	3.42
X	1.12	0.17	µg/l	99%	-0.06
Y	1.184	0.118	µg/l	105%	0.32
Z			µg/l		
AA	1.10	0.28	µg/l	97%	-0.18
AB	1.20	0.31	µg/l	106%	0.41
AC	0.715	0.236	µg/l	63%	-2.45
AD	1.67 *	0.03	µg/l	148%	3.19
AE	1.05	0.21	µg/l	93%	-0.47
AF	1.05	0.08	µg/l	93%	-0.47
AG	0.901	0.1001	µg/l	80%	-1.35
AH	1.21	0.18	µg/l	107%	0.47
AI	0.835	0.125	µg/l	74%	-1.74
AJ	1.22	0.18	µg/l	108%	0.53
AK	1.06	0.212	µg/l	94%	-0.41
AL	0.97	0.29	µg/l	86%	-0.94

	All results	Outliers excl.	Unit
Mean $\pm$ CI(99%)	$1,10 \pm 0,11$		µg/l
Recov. $\pm$ CI(99%)	$97,5 \pm 9,6$	$94,3 \pm 5,5$	%
SD between labs	0,24	0,13	µg/l
RSD between labs	21,4	11,8	%
n for calculation	35	31	



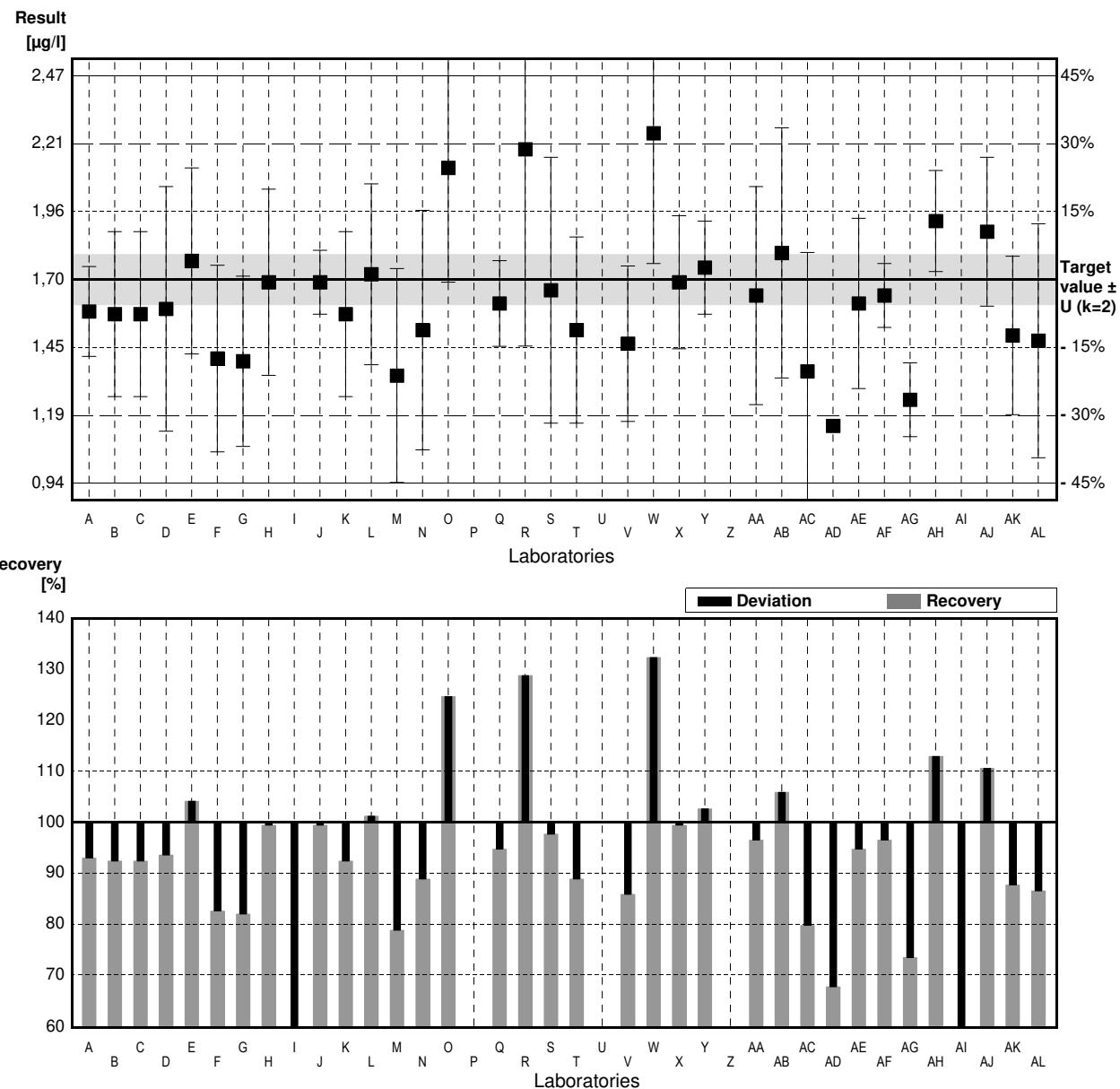
## Sample C-CB08B

### Parameter Trichloroethene

Target value  $\pm U$  ( $k=2$ ) 1,70 µg/l  $\pm$  0,09 µg/l  
 IFA result  $\pm U$  ( $k=2$ ) 1,71 µg/l  $\pm$  0,26 µg/l  
 Stability test  $\pm U$  ( $k=2$ ) 1,68 µg/l  $\pm$  0,25 µg/l

Lab Code	Result	$\pm$	Unit	Recovery	z-Score
A	1.58	0.169	µg/l	93%	-0.47
B	1.57	0.31	µg/l	92%	-0.51
C	1.57	0.31	µg/l	92%	-0.51
D	1.59	0.46	µg/l	94%	-0.43
E	1.77	0.35	µg/l	104%	0.27
F	1.403	0.351	µg/l	83%	-1.16
G	1.393	0.320	µg/l	82%	-1.20
H	1.69	0.35	µg/l	99%	-0.04
I	0.71 *	0.14	µg/l	42%	-3.88
J	1.69	0.12	µg/l	99%	-0.04
K	1.57	0.31	µg/l	92%	-0.51
L	1.72	0.34	µg/l	101%	0.08
M	1.339	0.402	µg/l	79%	-1.42
N	1.51	0.45	µg/l	89%	-0.75
O	2.12	0.43	µg/l	125%	1.65
P			µg/l		
Q	1.61	0.161	µg/l	95%	-0.35
R	2.19 *	0.74	µg/l	129%	1.92
S	1.66	0.50	µg/l	98%	-0.16
T	1.51	0.35	µg/l	89%	-0.75
U			µg/l		
V	1.459	0.292	µg/l	86%	-0.95
W	2.25 *	0.49	µg/l	132%	2.16
X	1.69	0.25	µg/l	99%	-0.04
Y	1.745	0.175	µg/l	103%	0.18
Z			µg/l		
AA	1.64	0.41	µg/l	96%	-0.24
AB	1.80	0.47	µg/l	106%	0.39
AC	1.355	0.447	µg/l	80%	-1.35
AD	1.15	0.02	µg/l	68%	-2.16
AE	1.61	0.32	µg/l	95%	-0.35
AF	1.64	0.12	µg/l	96%	-0.24
AG	1.248	0.1386	µg/l	73%	-1.77
AH	1.92	0.19	µg/l	113%	0.86
AI	0.907 *	0.136	µg/l	53%	-3.11
AJ	1.88	0.28	µg/l	111%	0.71
AK	1.49	0.298	µg/l	88%	-0.82
AL	1.47	0.44	µg/l	86%	-0.90

	All results	Outliers excl.	Unit
Mean $\pm$ CI(99%)	$1,58 \pm 0,14$		µg/l
Recov. $\pm$ CI(99%)	$93,2 \pm 8,4$	$93,7 \pm 5,8$	%
SD between labs	0,31	0,20	µg/l
RSD between labs	19,4	12,5	%
n for calculation	35	31	



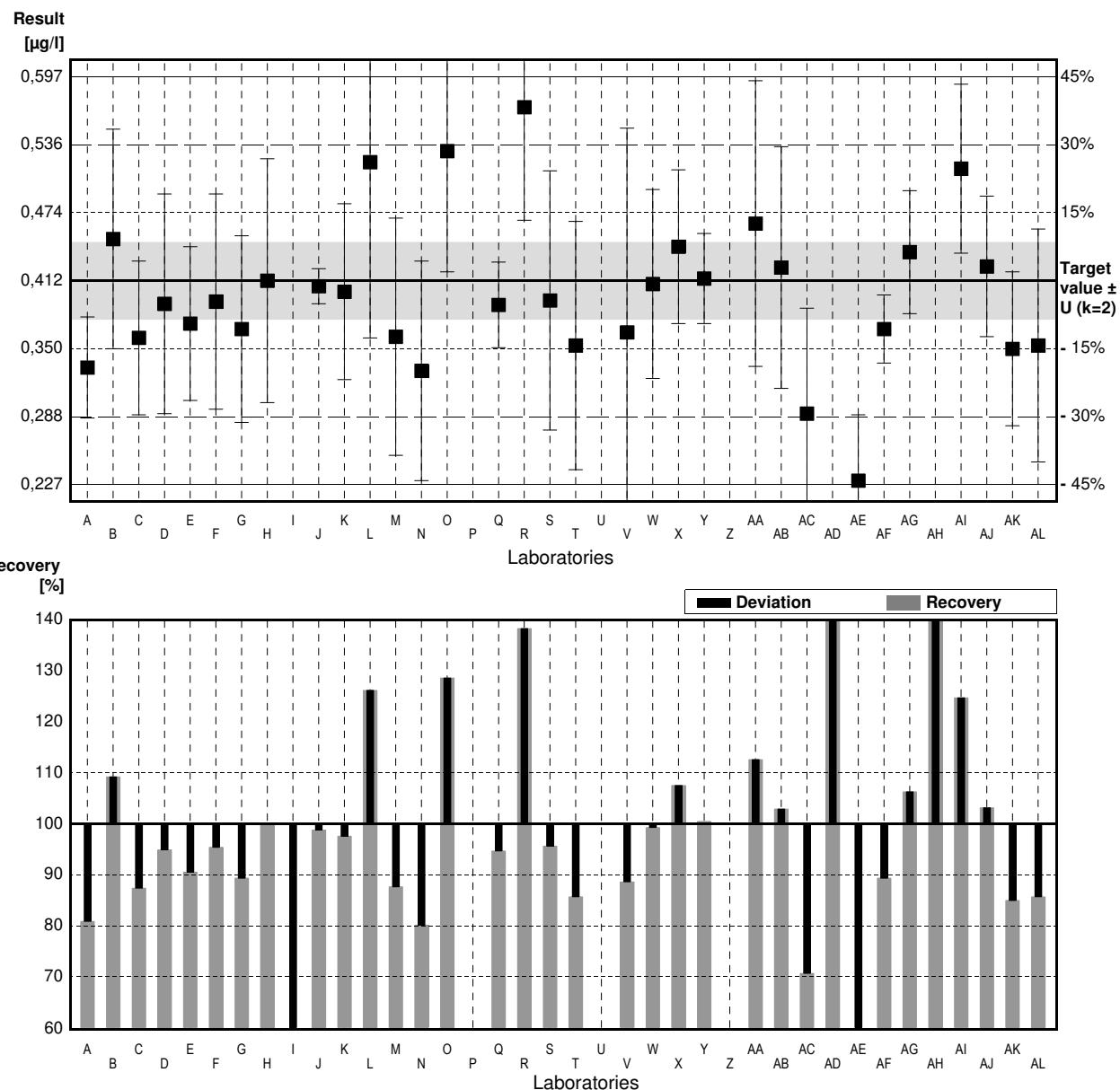
## Sample C-CB08A

### Parameter Tetrachloroethene

Target value  $\pm U$  ( $k=2$ )    0.412 µg/l     $\pm$     0.035 µg/l  
 IFA result  $\pm U$  ( $k=2$ )    0.417 µg/l     $\pm$     0.063 µg/l  
 Stability test  $\pm U$  ( $k=2$ )    0.409 µg/l     $\pm$     0.061 µg/l

Lab Code	Result	$\pm$	Unit	Recovery	z-Score
A	0.333	0.046	µg/l	81%	-1.20
B	0.450	0.10	µg/l	109%	0.58
C	0.360	0.07	µg/l	87%	-0.79
D	0.391	0.10	µg/l	95%	-0.32
E	0.373	0.07	µg/l	91%	-0.59
F	0.393	0.098	µg/l	95%	-0.29
G	0.368	0.085	µg/l	89%	-0.67
H	0.412	0.111	µg/l	100%	0.00
I	0.220	0.044	µg/l	53%	-2.91
J	0.407	0.016	µg/l	99%	-0.08
K	0.402	0.080	µg/l	98%	-0.15
L	0.52	0.16	µg/l	126%	1.64
M	0.361	0.108	µg/l	88%	-0.77
N	0.330	0.100	µg/l	80%	-1.24
O	0.53	0.11	µg/l	129%	1.79
P			µg/l		
Q	0.390	0.039	µg/l	95%	-0.33
R	0.57	0.103	µg/l	138%	2.40
S	0.394	0.118	µg/l	96%	-0.27
T	0.353	0.113	µg/l	86%	-0.90
U			µg/l		
V	0.365	0.186	µg/l	89%	-0.71
W	0.409	0.086	µg/l	99%	-0.05
X	0.443	0.07	µg/l	108%	0.47
Y	0.414	0.041	µg/l	100%	0.03
Z			µg/l		
AA	0.464	0.13	µg/l	113%	0.79
AB	0.424	0.11	µg/l	103%	0.18
AC	0.291	0.096	µg/l	71%	-1.84
AD	1.25 *	0.01	µg/l	303%	12.71
AE	0.230	0.06	µg/l	56%	-2.76
AF	0.368	0.031	µg/l	89%	-0.67
AG	0.438	0.0560	µg/l	106%	0.39
AH	0.65 *	0.10	µg/l	158%	3.61
AI	0.514	0.077	µg/l	125%	1.55
AJ	0.425	0.064	µg/l	103%	0.20
AK	0.350	0.070	µg/l	85%	-0.94
AL	0.353	0.106	µg/l	86%	-0.90

Mean $\pm$ CI(99%)	All results	Outliers excl.	Unit
Recov. $\pm$ CI(99%)	$0,427 \pm 0,077$	$0,395 \pm 0,036$	µg/l
SD between labs	$103,6 \pm 18,6$	$95,9 \pm 8,7$	%
RSD between labs	0,166	0,075	µg/l
n for calculation	35	33	



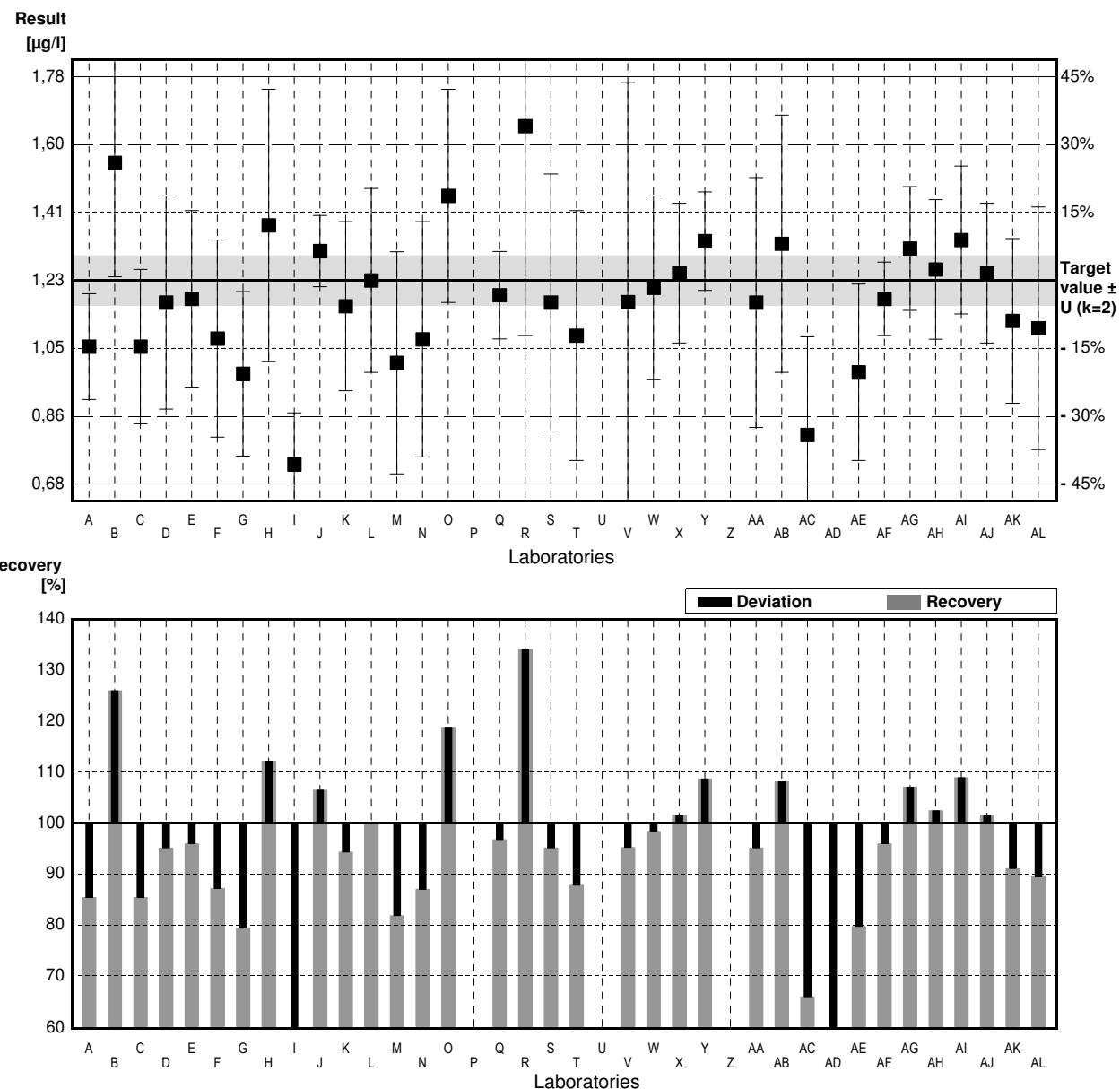
## Sample C-CB08B

### Parameter Tetrachloroethene

Target value  $\pm U$  ( $k=2$ ) 1,23 µg/l  $\pm$  0,07 µg/l  
 IFA result  $\pm U$  ( $k=2$ ) 1,23 µg/l  $\pm$  0,18 µg/l  
 Stability test  $\pm U$  ( $k=2$ ) 1,21 µg/l  $\pm$  0,18 µg/l

Lab Code	Result	$\pm$	Unit	Recovery	z-Score
A	1.05	0.144	µg/l	85%	-0.91
B	1.55	0.31	µg/l	126%	1.63
C	1.05	0.21	µg/l	85%	-0.91
D	1.17	0.29	µg/l	95%	-0.30
E	1.18	0.24	µg/l	96%	-0.25
F	1.072	0.268	µg/l	87%	-0.80
G	0.976	0.224	µg/l	79%	-1.29
H	1.38	0.37	µg/l	112%	0.76
I	0.73	0.14	µg/l	59%	-2.54
J	1.31	0.097	µg/l	107%	0.41
K	1.16	0.23	µg/l	94%	-0.36
L	1.23	0.25	µg/l	100%	0.00
M	1.006	0.302	µg/l	82%	-1.14
N	1.07	0.32	µg/l	87%	-0.81
O	1.46	0.29	µg/l	119%	1.17
P			µg/l		
Q	1.19	0.119	µg/l	97%	-0.20
R	1.65 *	0.57	µg/l	134%	2.13
S	1.17	0.35	µg/l	95%	-0.30
T	1.08	0.34	µg/l	88%	-0.76
U			µg/l		
V	1.171	0.597	µg/l	95%	-0.30
W	1.21	0.25	µg/l	98%	-0.10
X	1.25	0.19	µg/l	102%	0.10
Y	1.337	0.134	µg/l	109%	0.54
Z			µg/l		
AA	1.17	0.34	µg/l	95%	-0.30
AB	1.33	0.35	µg/l	108%	0.51
AC	0.810	0.267	µg/l	66%	-2.13
AD	0.57 *	0.01	µg/l	46%	-3.35
AE	0.98	0.24	µg/l	80%	-1.27
AF	1.18	0.10	µg/l	96%	-0.25
AG	1.317	0.1685	µg/l	107%	0.44
AH	1.26	0.19	µg/l	102%	0.15
AI	1.34	0.201	µg/l	109%	0.56
AJ	1.25	0.19	µg/l	102%	0.10
AK	1.12	0.224	µg/l	91%	-0.56
AL	1.10	0.33	µg/l	89%	-0.66

	All results	Outliers excl.	Unit
Mean $\pm$ CI(99%)	$1,17 \pm 0,10$	$1,17 \pm 0,08$	µg/l
Recov. $\pm$ CI(99%)	$95,0 \pm 7,9$	$95,2 \pm 6,5$	%
SD between labs	0,21	0,17	µg/l
RSD between labs	18,0	14,4	%
n for calculation	35	33	



## Sample C-CB08A

### Parameter 1,1,1-Trichloroethane

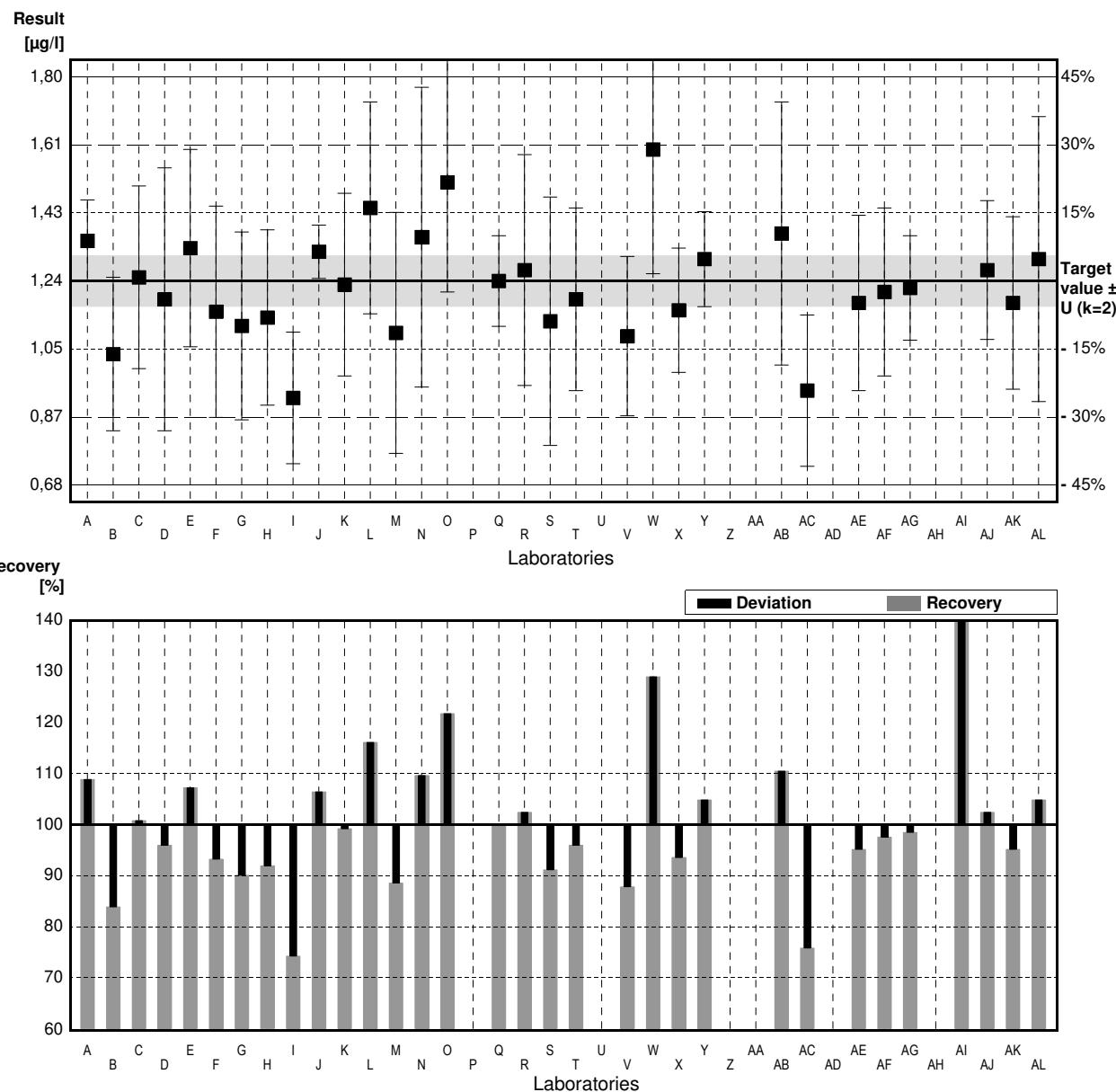
Target value  $\pm U$  ( $k=2$ ) 1,24 µg/l  $\pm$  0,07 µg/l

IFA result  $\pm U$  ( $k=2$ ) 1,18 µg/l  $\pm$  0,18 µg/l

Stability test  $\pm U$  ( $k=2$ ) 1,18 µg/l  $\pm$  0,18 µg/l

Lab Code	Result	$\pm$	Unit	Recovery	z-Score
A	1.35	0.112	µg/l	109%	0.59
B	1.04	0.21	µg/l	84%	-1.08
C	1.25	0.25	µg/l	101%	0.05
D	1.19	0.36	µg/l	96%	-0.27
E	1.33	0.27	µg/l	107%	0.48
F	1.156	0.289	µg/l	93%	-0.45
G	1.117	0.257	µg/l	90%	-0.66
H	1.14	0.24	µg/l	92%	-0.54
I	0.92	0.18	µg/l	74%	-1.72
J	1.32	0.073	µg/l	106%	0.43
K	1.23	0.25	µg/l	99%	-0.05
L	1.44	0.29	µg/l	116%	1.08
M	1.098	0.330	µg/l	89%	-0.76
N	1.36	0.41	µg/l	110%	0.65
O	1.51	0.30	µg/l	122%	1.45
P			µg/l		
Q	1.24	0.124	µg/l	100%	0.00
R	1.27	0.316	µg/l	102%	0.16
S	1.13	0.34	µg/l	91%	-0.59
T	1.19	0.25	µg/l	96%	-0.27
U			µg/l		
V	1.089	0.218	µg/l	88%	-0.81
W	1.60	0.34	µg/l	129%	1.94
X	1.16	0.17	µg/l	94%	-0.43
Y	1.300	0.130	µg/l	105%	0.32
Z			µg/l		
AA			µg/l		
AB	1.37	0.36	µg/l	110%	0.70
AC	0.940	0.207	µg/l	76%	-1.61
AD			µg/l		
AE	1.18	0.24	µg/l	95%	-0.32
AF	1.21	0.23	µg/l	98%	-0.16
AG	1.221	0.1429	µg/l	98%	-0.10
AH			µg/l		
AI	2.27 *	0.341	µg/l	183%	5.54
AJ	1.27	0.19	µg/l	102%	0.16
AK	1.18	0.236	µg/l	95%	-0.32
AL	1.30	0.39	µg/l	105%	0.32

	All results	Outliers excl.	Unit
Mean $\pm$ CI(99%)	1,26 $\pm$ 0,11		µg/l
Recov. $\pm$ CI(99%)	101,7 $\pm$ 9,2	1,23 $\pm$ 0,07	%
SD between labs	0,23	99,1 $\pm$ 5,8	µg/l
RSD between labs	18,5	0,15	µg/l
n for calculation	32	31	%



## Sample C-CB08B

### Parameter 1,1,1-Trichloroethane

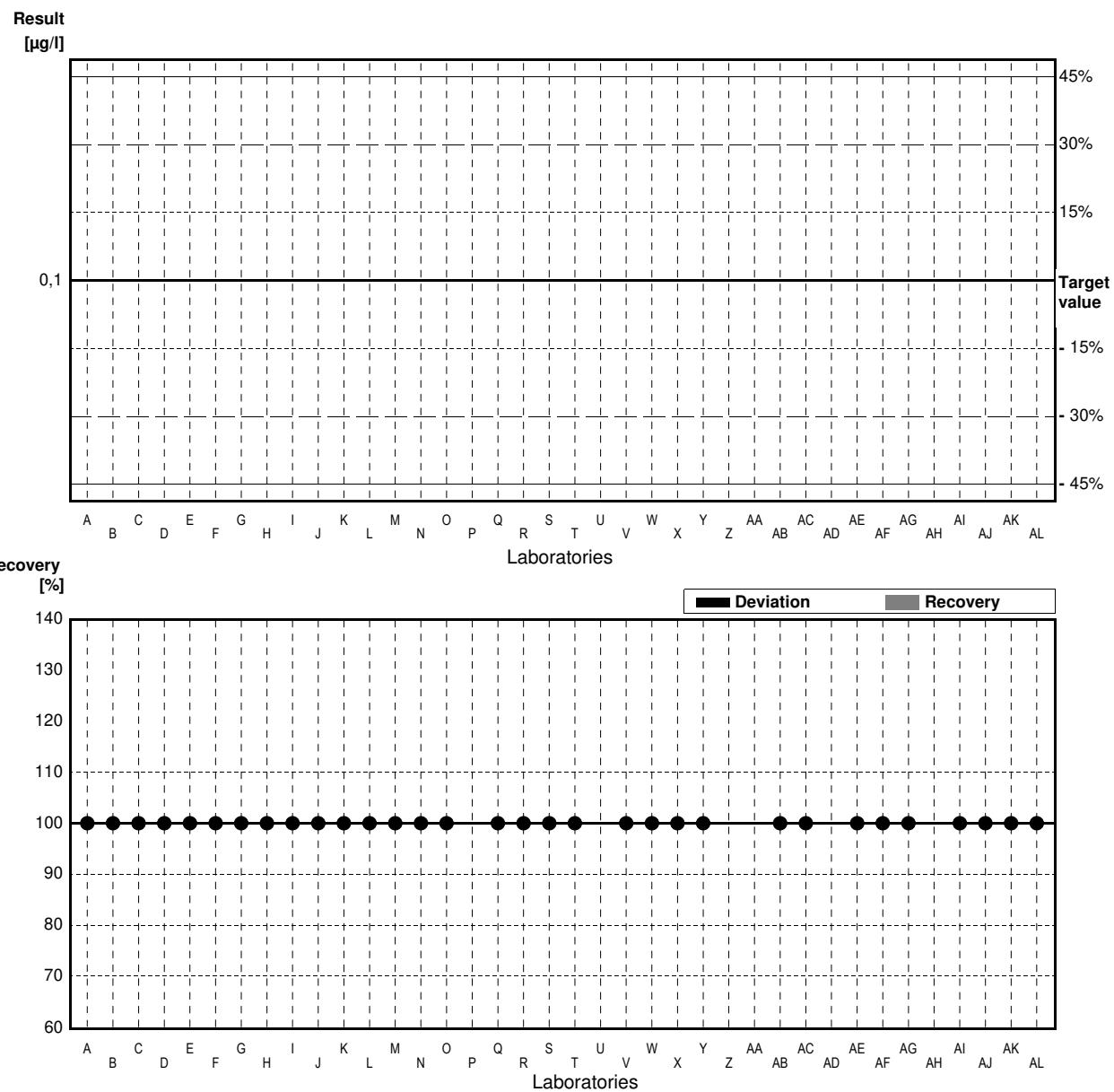
Target value <0,1 µg/l

IFA result <0,1 µg/l

Stability test <0,1 µg/l

Lab Code	Result	±	Unit	Recovery	z-Score
A	<0.100		µg/l	.	
B	<0.1		µg/l	.	
C	<0.05		µg/l	.	
D	<0.5		µg/l	.	
E	<0.08		µg/l	.	
F	<0.050	0.020	µg/l	.	
G	<0.2		µg/l	.	
H	<0.10		µg/l	.	
I	<0.1		µg/l	.	
J	<0.050		µg/l	.	
K	<0.1		µg/l	.	
L	<0.50		µg/l	.	
M	<0.100		µg/l	.	
N	<0.100		µg/l	.	
O	<0.10		µg/l	.	
P			µg/l	.	
Q	<0.150	0.015	µg/l	.	
R	<0.1		µg/l	.	
S	<0.50		µg/l	.	
T	<0.020		µg/l	.	
U			µg/l	.	
V	<0.015		µg/l	.	
W	<0.500	0.25	µg/l	.	
X	<0.3		µg/l	.	
Y	<0.1		µg/l	.	
Z			µg/l	.	
AA			µg/l	.	
AB	<0.1	0.03	µg/l	.	
AC	<0.05	0.011	µg/l	.	
AD			µg/l	.	
AE	<0.05	0	µg/l	.	
AF	<0.1		µg/l	.	
AG	<0.05		µg/l	.	
AH			µg/l	.	
AI	<0.1		µg/l	.	
AJ	<0.1		µg/l	.	
AK	<0.020		µg/l	.	
AL	<0.1		µg/l	.	

	All results	Outliers excl.	Unit µg/l % µg/l %
Mean ± CI(99%)			
Recov. ± CI(99%)			
SD between labs			
RSD between labs			
n for calculation			



## Sample C-CB08A

### Parameter Trichloromethane

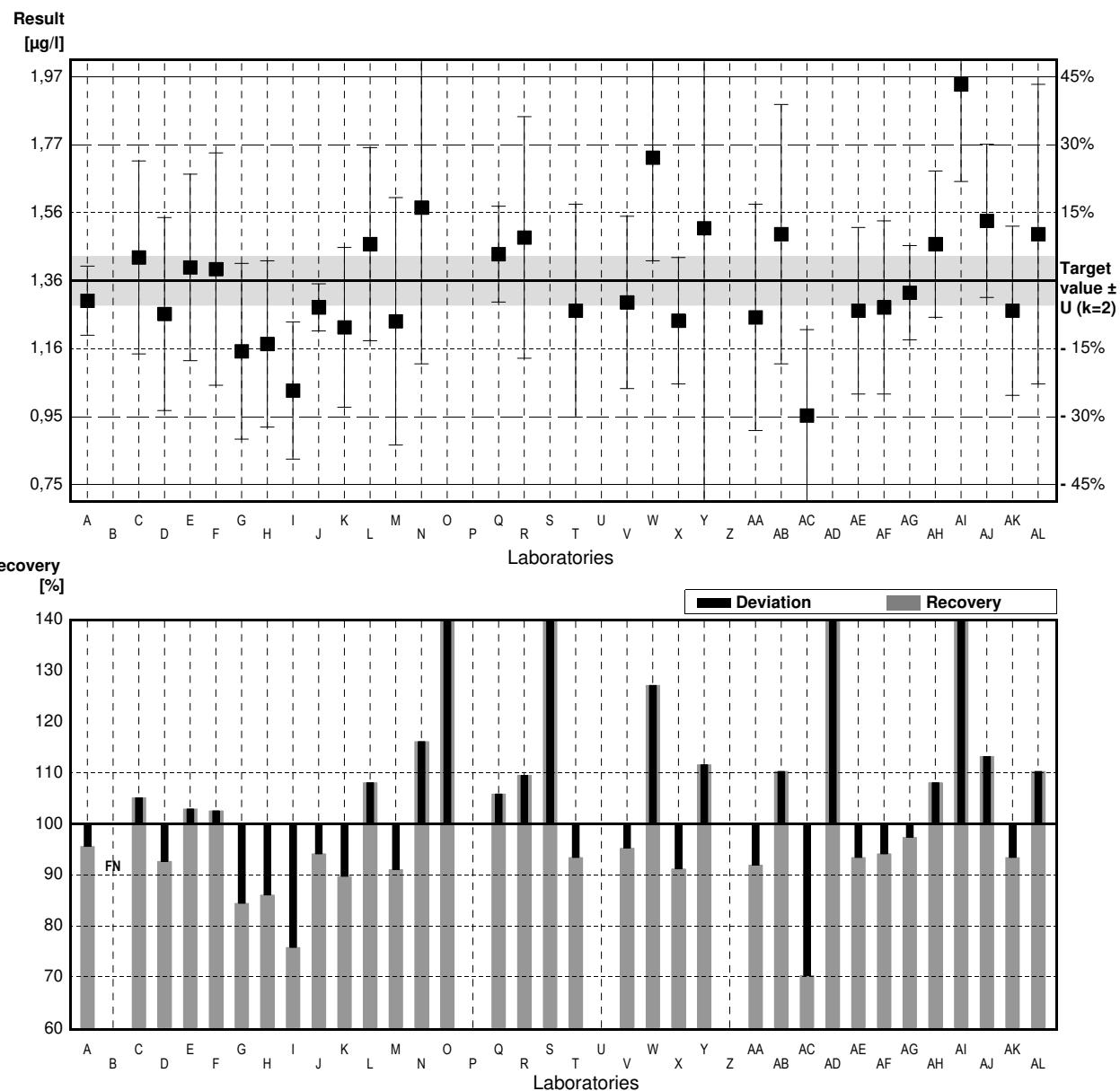
Target value  $\pm U$  ( $k=2$ ) 1,36 µg/l  $\pm$  0,07 µg/l

IFA result  $\pm U$  ( $k=2$ ) 1,42 µg/l  $\pm$  0,21 µg/l

Stability test  $\pm U$  ( $k=2$ ) 1,39 µg/l  $\pm$  0,21 µg/l

Lab Code	Result	$\pm$	Unit	Recovery	z-Score
A	1.30	0.104	µg/l	96%	-0.32
B	<0.100		µg/l	FN	
C	1.43	0.29	µg/l	105%	0.37
D	1.26	0.29	µg/l	93%	-0.53
E	1.40	0.28	µg/l	103%	0.21
F	1.395	0.349	µg/l	103%	0.18
G	1.148	0.264	µg/l	84%	-1.11
H	1.17	0.25	µg/l	86%	-1.00
I	1.03	0.206	µg/l	76%	-1.73
J	1.28	0.071	µg/l	94%	-0.42
K	1.22	0.24	µg/l	90%	-0.74
L	1.47	0.29	µg/l	108%	0.58
M	1.238	0.372	µg/l	91%	-0.64
N	1.58	0.47	µg/l	116%	1.16
O	2.31 *	0.46	µg/l	170%	4.99
P			µg/l		
Q	1.44	0.144	µg/l	106%	0.42
R	1.49	0.363	µg/l	110%	0.68
S	2.24 *	0.67	µg/l	165%	4.62
T	1.27	0.32	µg/l	93%	-0.47
U			µg/l		
V	1.295	0.259	µg/l	95%	-0.34
W	1.73	0.31	µg/l	127%	1.94
X	1.24	0.19	µg/l	91%	-0.63
Y	1.518	1.152	µg/l	112%	0.83
Z			µg/l		
AA	1.25	0.34	µg/l	92%	-0.58
AB	1.50	0.39	µg/l	110%	0.74
AC	0.955	0.258	µg/l	70%	-2.13
AD	2.02 *	0.08	µg/l	149%	3.47
AE	1.27	0.25	µg/l	93%	-0.47
AF	1.28	0.26	µg/l	94%	-0.42
AG	1.324	0.1416	µg/l	97%	-0.19
AH	1.47	0.22	µg/l	108%	0.58
AI	1.95 *	0.292	µg/l	143%	3.10
AJ	1.54	0.23	µg/l	113%	0.95
AK	1.27	0.254	µg/l	93%	-0.47
AL	1.50	0.45	µg/l	110%	0.74

	All results	Outliers excl.	Unit
Mean $\pm$ CI(99%)	1,43 $\pm$ 0,14		µg/l
Recov. $\pm$ CI(99%)	105,5 $\pm$ 10,6	1,34 $\pm$ 0,08	%
SD between labs	0,31	98,7 $\pm$ 6,1	µg/l
RSD between labs	21,3	0,17	%
n for calculation	34	30	



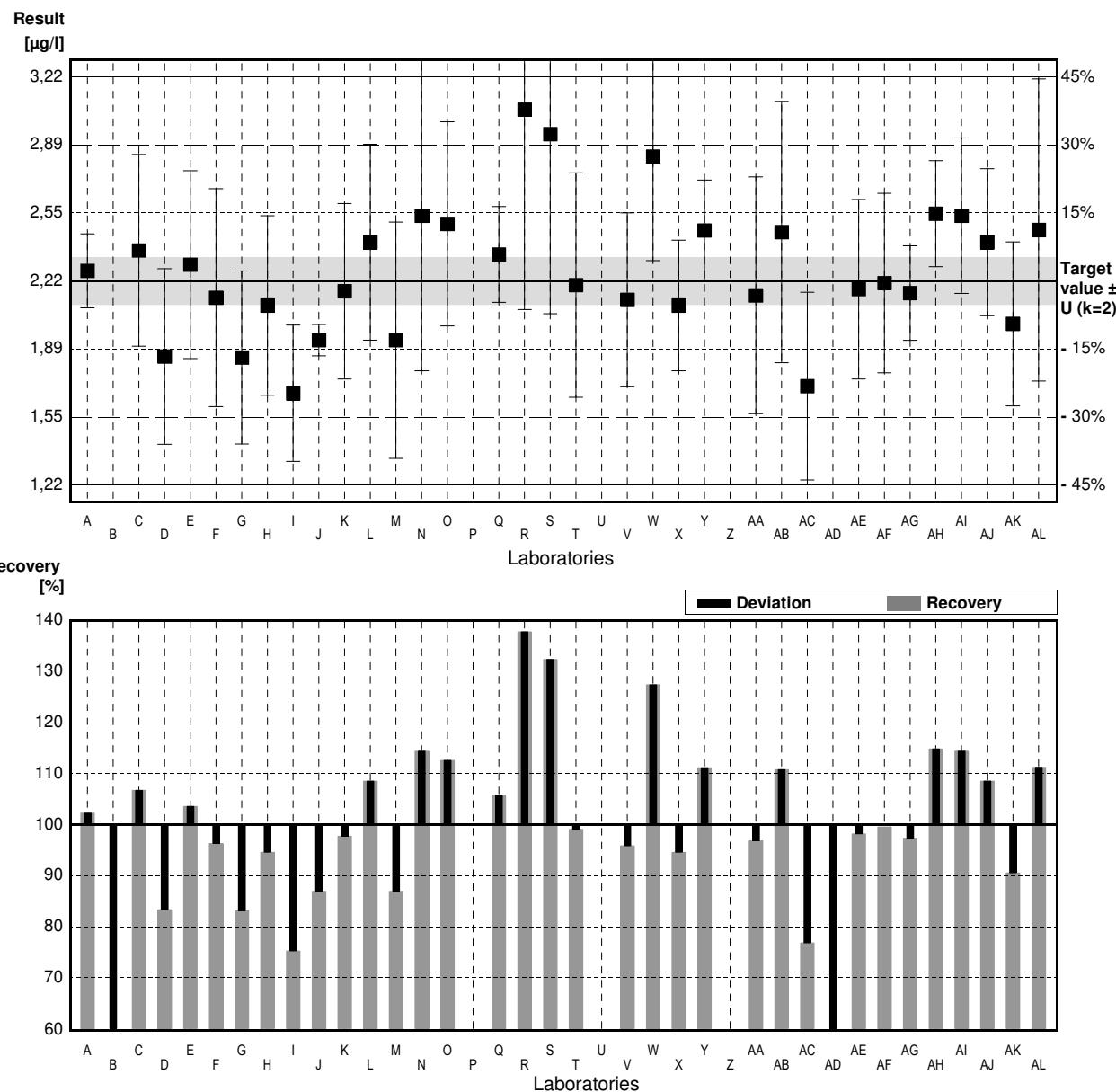
## Sample C-CB08B

### Parameter Trichloromethane

Target value  $\pm U$  ( $k=2$ ) 2,22 µg/l  $\pm$  0,12 µg/l  
 IFA result  $\pm U$  ( $k=2$ ) 2,18 µg/l  $\pm$  0,33 µg/l  
 Stability test  $\pm U$  ( $k=2$ ) 2,15 µg/l  $\pm$  0,32 µg/l

Lab Code	Result	$\pm$	Unit	Recovery	z-Score
A	2,27	0,181	µg/l	102%	0,16
B	0,90 *	0,18	µg/l	41%	-4,25
C	2,37	0,47	µg/l	107%	0,48
D	1,85	0,43	µg/l	83%	-1,19
E	2,30	0,46	µg/l	104%	0,26
F	2,138	0,534	µg/l	96%	-0,26
G	1,845	0,424	µg/l	83%	-1,21
H	2,10	0,44	µg/l	95%	-0,39
I	1,67	0,334	µg/l	75%	-1,77
J	1,93	0,077	µg/l	87%	-0,93
K	2,17	0,43	µg/l	98%	-0,16
L	2,41	0,48	µg/l	109%	0,61
M	1,930	0,579	µg/l	87%	-0,93
N	2,54	0,76	µg/l	114%	1,03
O	2,50	0,50	µg/l	113%	0,90
P			µg/l		
Q	2,35	0,235	µg/l	106%	0,42
R	3,06	0,98	µg/l	138%	2,70
S	2,94	0,88	µg/l	132%	2,32
T	2,20	0,55	µg/l	99%	-0,06
U			µg/l		
V	2,128	0,426	µg/l	96%	-0,30
W	2,83	0,51	µg/l	127%	1,96
X	2,10	0,32	µg/l	95%	-0,39
Y	2,468	0,247	µg/l	111%	0,80
Z			µg/l		
AA	2,15	0,58	µg/l	97%	-0,23
AB	2,46	0,64	µg/l	111%	0,77
AC	1,705	0,460	µg/l	77%	-1,66
AD	1,02	0,04	µg/l	46%	-3,86
AE	2,18	0,44	µg/l	98%	-0,13
AF	2,21	0,44	µg/l	100%	-0,03
AG	2,161	0,2312	µg/l	97%	-0,19
AH	2,55	0,26	µg/l	115%	1,06
AI	2,54	0,381	µg/l	114%	1,03
AJ	2,41	0,36	µg/l	109%	0,61
AK	2,01	0,402	µg/l	91%	-0,68
AL	2,47	0,74	µg/l	111%	0,80

Mean $\pm$ CI(99%)	All results	Outliers excl.	Unit
Recov. $\pm$ CI(99%)	$2,20 \pm 0,20$	$2,23 \pm 0,18$	µg/l
SD between labs	$98,9 \pm 9,1$	$100,6 \pm 8,1$	%
RSD between labs	0,44	0,38	µg/l
n for calculation	35	34	%



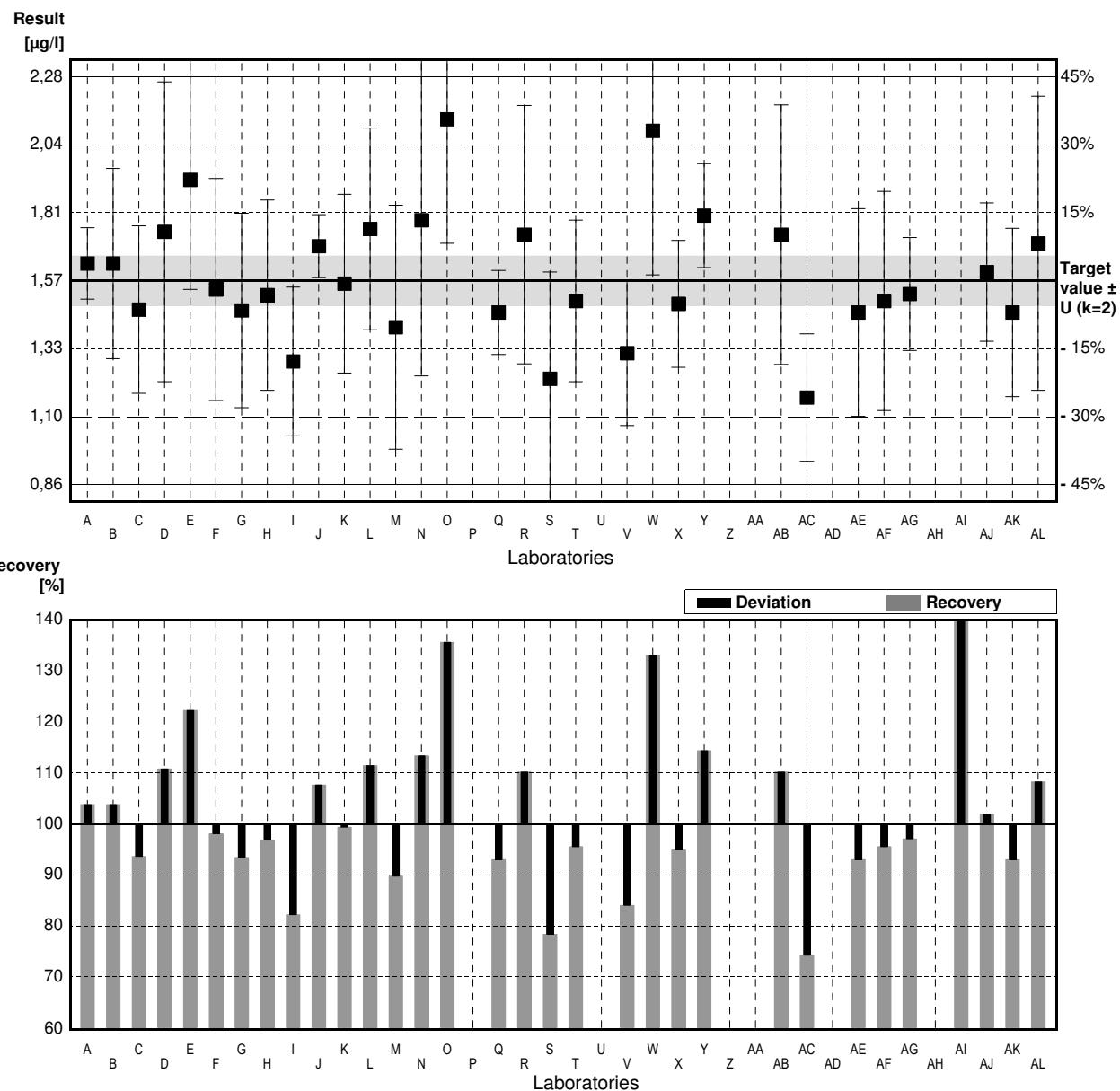
## Sample C-CB08A

### Parameter Tetrachloromethane

Target value  $\pm U$  ( $k=2$ ) 1,57 µg/l  $\pm$  0,09 µg/l  
 IFA result  $\pm U$  ( $k=2$ ) 1,52 µg/l  $\pm$  0,23 µg/l  
 Stability test  $\pm U$  ( $k=2$ ) 1,52 µg/l  $\pm$  0,23 µg/l

Lab Code	Result	$\pm$	Unit	Recovery	z-Score
A	1.63	0.124	µg/l	104%	0.21
B	1.630	0.33	µg/l	104%	0.21
C	1.47	0.29	µg/l	94%	-0.35
D	1.74	0.52	µg/l	111%	0.60
E	1.92	0.38	µg/l	122%	1.24
F	1.540	0.385	µg/l	98%	-0.11
G	1.467	0.337	µg/l	93%	-0.36
H	1.52	0.33	µg/l	97%	-0.18
I	1.29	0.258	µg/l	82%	-0.99
J	1.69	0.109	µg/l	108%	0.42
K	1.56	0.31	µg/l	99%	-0.04
L	1.75	0.35	µg/l	111%	0.64
M	1.409	0.423	µg/l	90%	-0.57
N	1.78	0.54	µg/l	113%	0.74
O	2.13	0.43	µg/l	136%	1.98
P			µg/l		
Q	1.46	0.146	µg/l	93%	-0.39
R	1.73	0.448	µg/l	110%	0.57
S	1.23	0.37	µg/l	78%	-1.20
T	1.50	0.28	µg/l	96%	-0.25
U			µg/l		
V	1.319	0.251	µg/l	84%	-0.89
W	2.09	0.50	µg/l	133%	1.84
X	1.49	0.22	µg/l	95%	-0.28
Y	1.796	0.180	µg/l	114%	0.80
Z			µg/l		
AA			µg/l		
AB	1.73	0.45	µg/l	110%	0.57
AC	1.165	0.221	µg/l	74%	-1.43
AD			µg/l		
AE	1.46	0.36	µg/l	93%	-0.39
AF	1.50	0.38	µg/l	96%	-0.25
AG	1.524	0.1960	µg/l	97%	-0.16
AH			µg/l		
AI	3.44 *	0.515	µg/l	219%	6.62
AJ	1.60	0.24	µg/l	102%	0.11
AK	1.46	0.292	µg/l	93%	-0.39
AL	1.70	0.51	µg/l	108%	0.46

Mean $\pm$ CI(99%)	All results	Outliers excl.	Unit
Recov. $\pm$ CI(99%)	1,65 $\pm$ 0,19	1,59 $\pm$ 0,11	µg/l
SD between labs	104,9 $\pm$ 12,2	101,3 $\pm$ 7,0	%
RSD between labs	0,39	0,22	µg/l
n for calculation	32	31	%



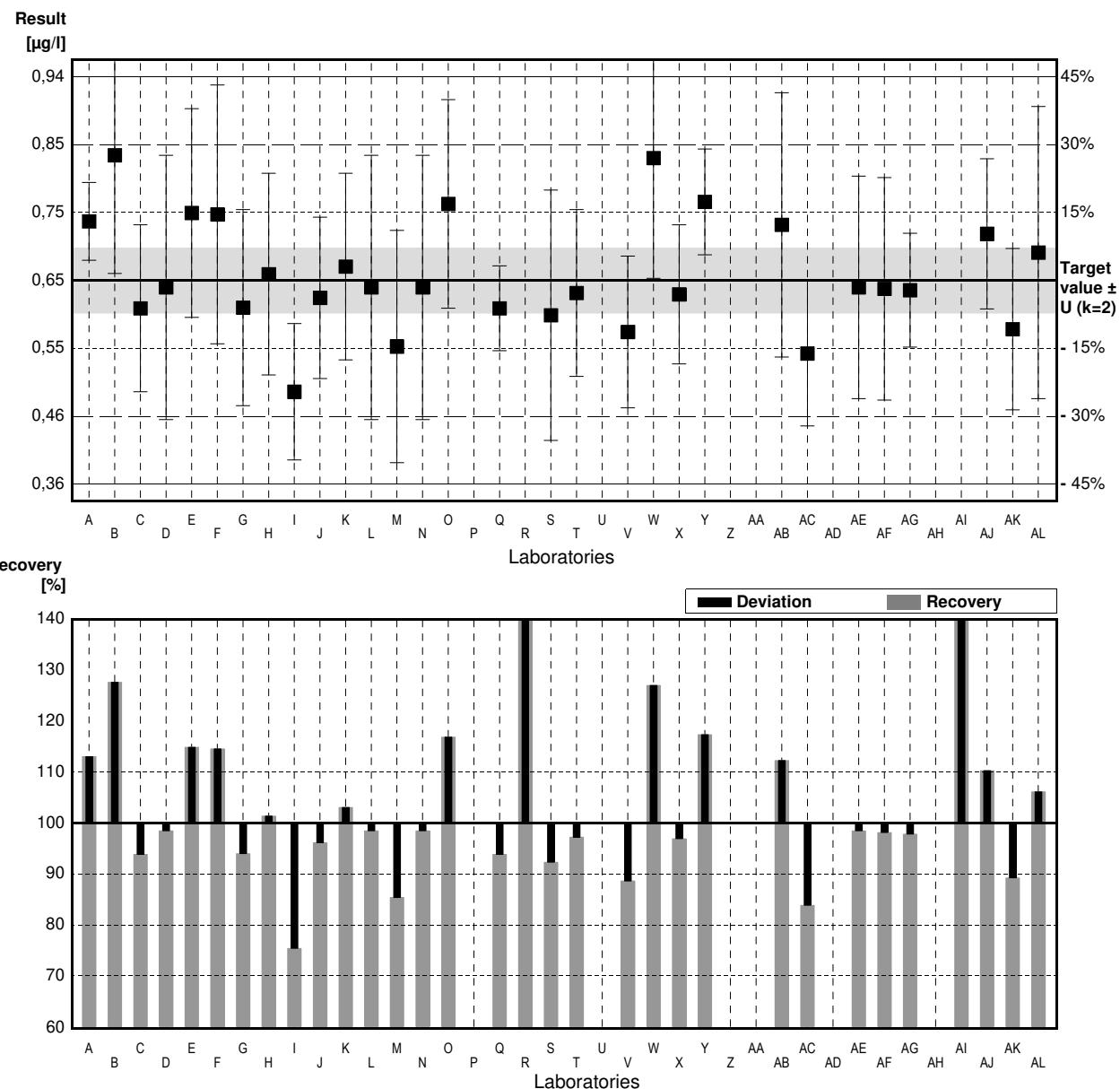
## Sample C-CB08B

### Parameter Tetrachloromethane

Target value  $\pm U$  ( $k=2$ )    0.65 µg/l     $\pm$     0.05 µg/l  
 IFA result  $\pm U$  ( $k=2$ )    0.61 µg/l     $\pm$     0.09 µg/l  
 Stability test  $\pm U$  ( $k=2$ )    0.62 µg/l     $\pm$     0.09 µg/l

Lab Code	Result	$\pm$	Unit	Recovery	z-Score
A	0.735	0.056	µg/l	113%	0.73
B	0.83	0.17	µg/l	128%	1.54
C	0.61	0.12	µg/l	94%	-0.34
D	0.64	0.19	µg/l	98%	-0.09
E	0.747	0.15	µg/l	115%	0.83
F	0.745	0.186	µg/l	115%	0.81
G	0.611	0.141	µg/l	94%	-0.33
H	0.659	0.145	µg/l	101%	0.08
I	0.490	0.098	µg/l	75%	-1.37
J	0.625	0.116	µg/l	96%	-0.21
K	0.670	0.134	µg/l	103%	0.17
L	0.64	0.19	µg/l	98%	-0.09
M	0.555	0.167	µg/l	85%	-0.81
N	0.640	0.190	µg/l	98%	-0.09
O	0.76	0.15	µg/l	117%	0.94
P			µg/l		
Q	0.61	0.061	µg/l	94%	-0.34
R	0.97 *	0.265	µg/l	149%	2.74
S	0.600	0.180	µg/l	92%	-0.43
T	0.632	0.120	µg/l	97%	-0.15
U			µg/l		
V	0.576	0.109	µg/l	89%	-0.63
W	0.826	0.173	µg/l	127%	1.50
X	0.63	0.10	µg/l	97%	-0.17
Y	0.763	0.076	µg/l	117%	0.97
Z			µg/l		
AA			µg/l		
AB	0.73	0.19	µg/l	112%	0.68
AC	0.545	0.104	µg/l	84%	-0.90
AD			µg/l		
AE	0.64	0.16	µg/l	98%	-0.09
AF	0.638	0.16	µg/l	98%	-0.10
AG	0.636	0.0818	µg/l	98%	-0.12
AH			µg/l		
AI	1.02 *	0.152	µg/l	157%	3.16
AJ	0.717	0.108	µg/l	110%	0.57
AK	0.580	0.116	µg/l	89%	-0.60
AL	0.69	0.21	µg/l	106%	0.34

Mean $\pm$ CI(99%)	All results	Outliers excl.	Unit
Recov. $\pm$ CI(99%)	0.68 $\pm$ 0.06	0.66 $\pm$ 0.04	µg/l
SD between labs	104,6 $\pm$ 8,5	101,4 $\pm$ 6,3	%
RSD between labs	0,11	0,08	µg/l
n for calculation	32	30	%



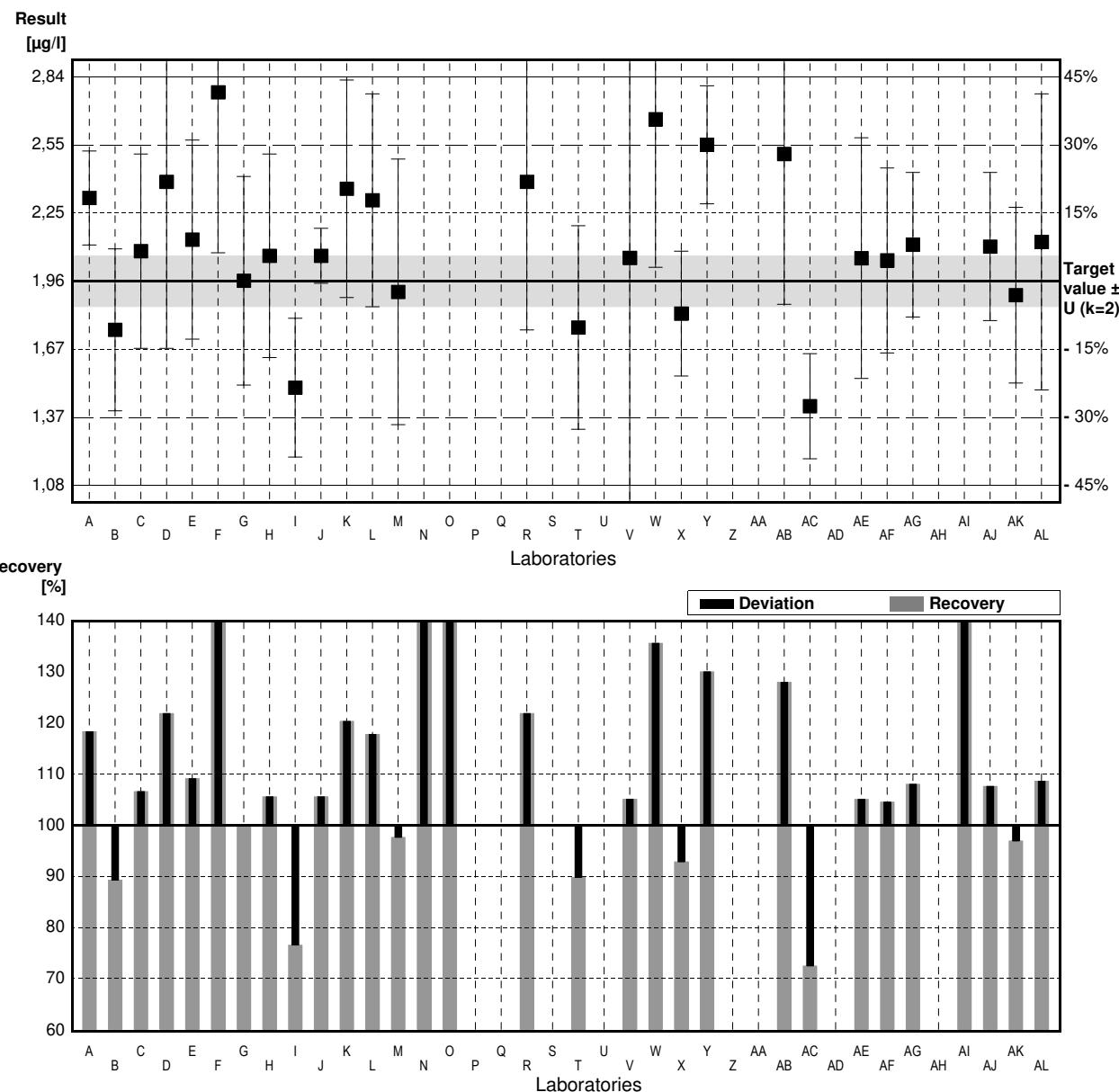
## Sample C-CB08A

### Parameter 1,1-Dichloroethene

Target value  $\pm U$  ( $k=2$ )    1,96 µg/l     $\pm$     0,11 µg/l  
 IFA result  $\pm U$  ( $k=2$ )    2,00 µg/l     $\pm$     0,30 µg/l  
 Stability test  $\pm U$  ( $k=2$ )    2,00 µg/l     $\pm$     0,30 µg/l

Lab Code	Result	$\pm$	Unit	Recovery	z-Score
A	2,32	0,203	µg/l	118%	1,02
B	1,75	0,35	µg/l	89%	-0,60
C	2,09	0,42	µg/l	107%	0,37
D	2,39	0,72	µg/l	122%	1,22
E	2,14	0,43	µg/l	109%	0,51
F	2,777	0,694	µg/l	142%	2,32
G	1,962	0,451	µg/l	100%	0,01
H	2,07	0,44	µg/l	106%	0,31
I	1,50	0,300	µg/l	77%	-1,30
J	2,07	0,119	µg/l	106%	0,31
K	2,36	0,47	µg/l	120%	1,13
L	2,31	0,46	µg/l	118%	0,99
M	1,914	0,574	µg/l	98%	-0,13
N	3,01	0,90	µg/l	154%	2,98
O	3,29 *	0,66	µg/l	168%	3,77
P			µg/l		
Q			µg/l		
R	2,39	0,64	µg/l	122%	1,22
S			µg/l		
T	1,76	0,44	µg/l	90%	-0,57
U			µg/l		
V	2,061	1,092	µg/l	105%	0,29
W	2,66	0,64	µg/l	136%	1,98
X	1,82	0,27	µg/l	93%	-0,40
Y	2,550	0,255	µg/l	130%	1,67
Z			µg/l		
AA			µg/l		
AB	2,51	0,65	µg/l	128%	1,56
AC	1,420	0,227	µg/l	72%	-1,53
AD			µg/l		
AE	2,06	0,52	µg/l	105%	0,28
AF	2,05	0,40	µg/l	105%	0,26
AG	2,118	0,3120	µg/l	108%	0,45
AH			µg/l		
AI	6,04 *	0,905	µg/l	308%	11,56
AJ	2,11	0,32	µg/l	108%	0,43
AK	1,90	0,380	µg/l	97%	-0,17
AL	2,13	0,64	µg/l	109%	0,48

Mean $\pm$ CI(99%)	All results	Outliers excl.	Unit
Recov. $\pm$ CI(99%)	$2,32 \pm 0,41$	$2,15 \pm 0,19$	µg/l
SD between labs	$118,3 \pm 20,8$	$109,7 \pm 9,6$	%
RSD between labs	0,81	0,36	µg/l
n for calculation	30	28	%



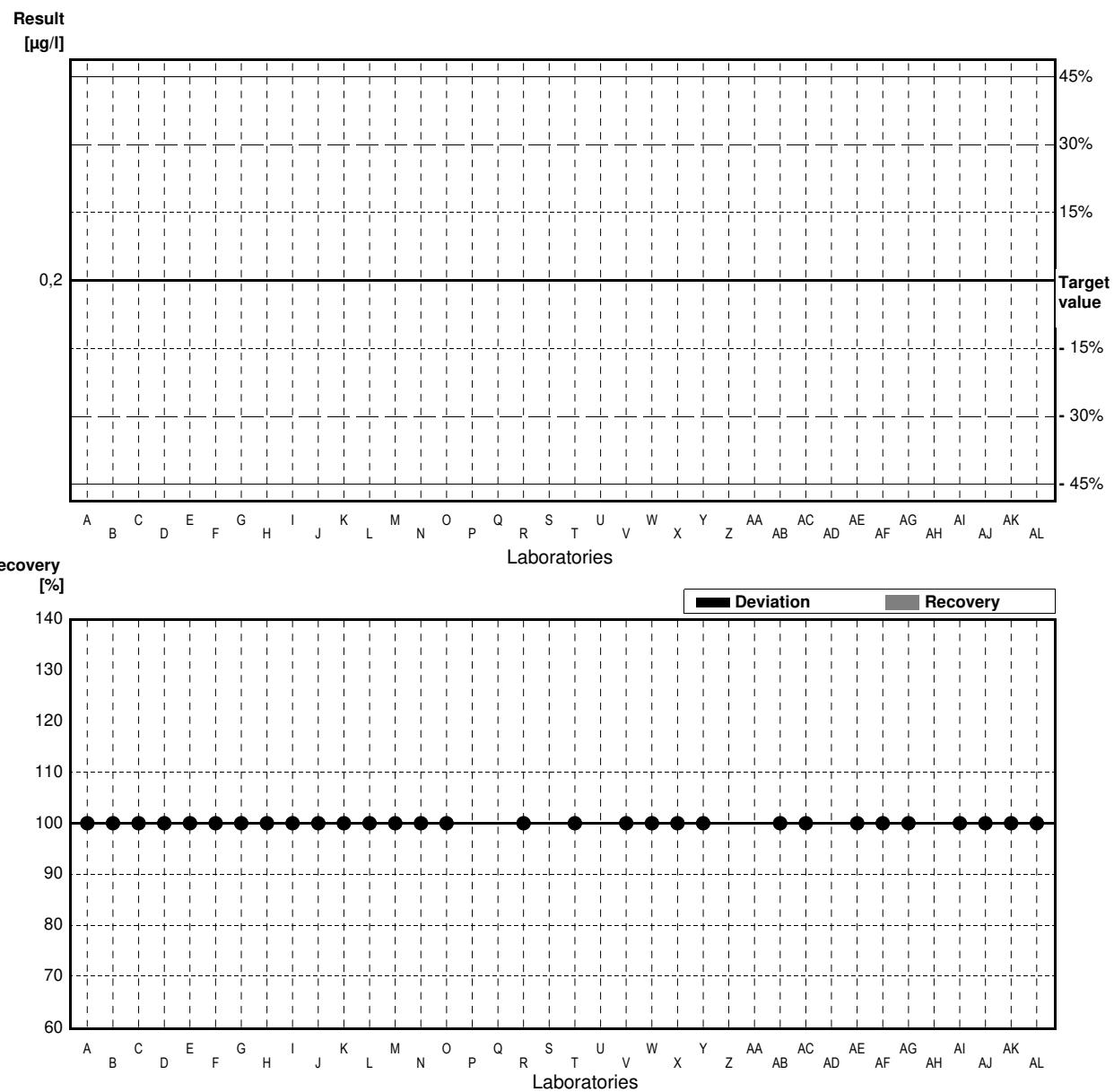
## Sample C-CB08B

### Parameter 1,1-Dichloroethene

Target value <0.2 µg/l  
 IFA result <0.2 µg/l  
 Stability test <0.2 µg/l

Lab Code	Result	±	Unit	Recovery	z-Score
A	<0.100		µg/l	.	
B	<0.1		µg/l	.	
C	<0.05		µg/l	.	
D	<0.5		µg/l	.	
E	<0.1		µg/l	.	
F	<0.050	0.020	µg/l	.	
G	<0.2		µg/l	.	
H	<0.10		µg/l	.	
I	<0.1		µg/l	.	
J	<0.050		µg/l	.	
K	<0.2		µg/l	.	
L	<0.50		µg/l	.	
M	<0.100		µg/l	.	
N	<0.100		µg/l	.	
O	<0.10		µg/l	.	
P			µg/l		
Q			µg/l		
R	<0.1		µg/l	.	
S			µg/l		
T	<0.020		µg/l	.	
U			µg/l		
V	<0.015		µg/l	.	
W	<0.500	0.25	µg/l	.	
X	<0.1		µg/l	.	
Y	<0.1		µg/l	.	
Z			µg/l		
AA			µg/l		
AB	<0.1	0.03	µg/l	.	
AC	<0.08	0.013	µg/l	.	
AD			µg/l		
AE	<0.05	0	µg/l	.	
AF	<0.1		µg/l	.	
AG	<0.05		µg/l	.	
AH			µg/l		
AI	<0.1		µg/l	.	
AJ	<0.2		µg/l	.	
AK	<0.035		µg/l	.	
AL	<0.1		µg/l	.	

	All results	Outliers excl.	Unit
			µg/l
			%
Mean ± CI(99%)			
Recov. ± CI(99%)			
SD between labs			µg/l
RSD between labs			%
n for calculation			



## Sample C-CB08A

### Parameter Tribromomethane

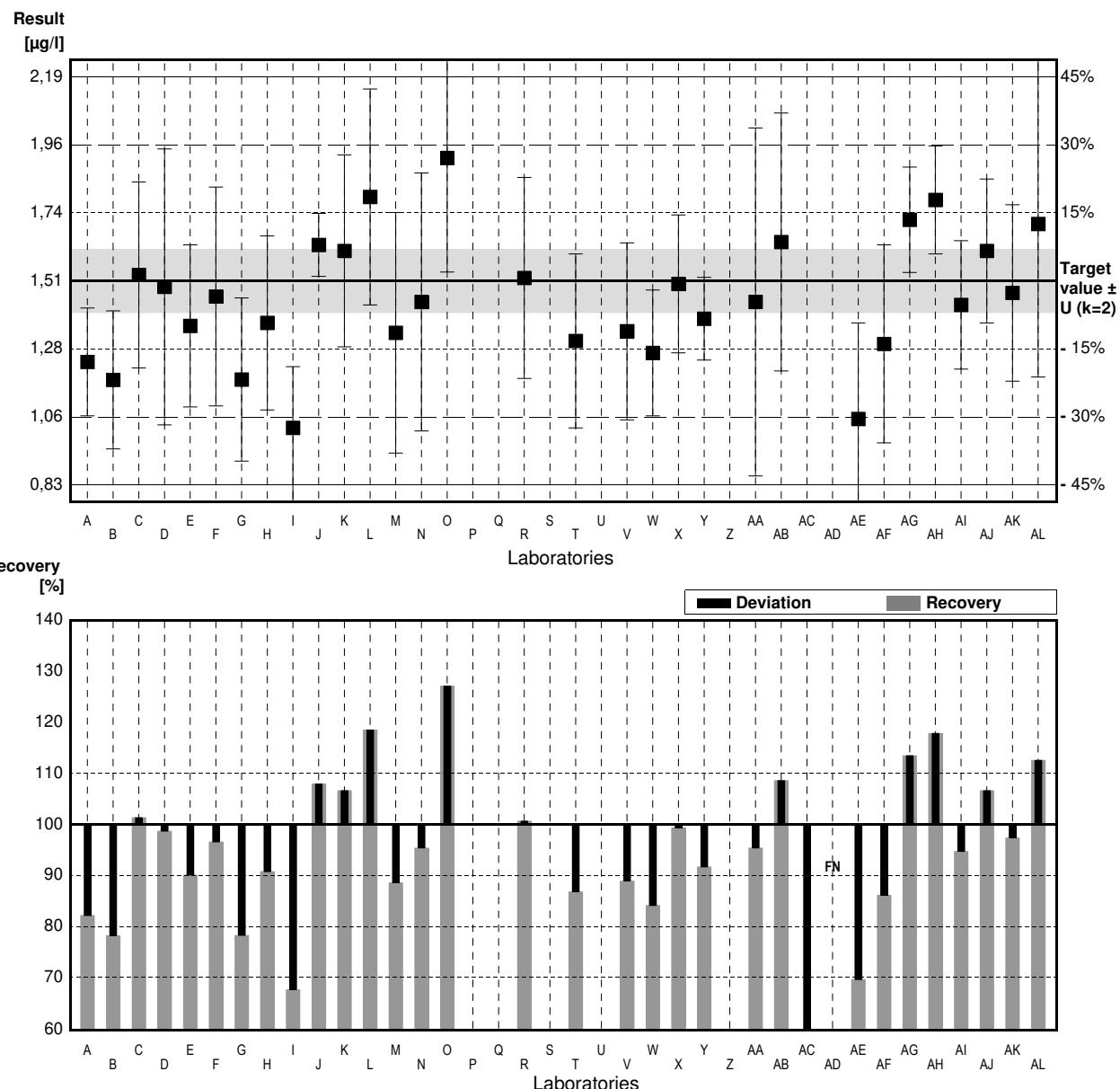
Target value  $\pm U$  ( $k=2$ ) 1,51 µg/l  $\pm$  0,11 µg/l

IFA result  $\pm U$  ( $k=2$ ) 1,39 µg/l  $\pm$  0,21 µg/l

Stability test  $\pm U$  ( $k=2$ ) 1,44 µg/l  $\pm$  0,22 µg/l

Lab Code	Result	$\pm$	Unit	Recovery	z-Score
A	1.24	0.180	µg/l	82%	-1.19
B	1.18	0.23	µg/l	78%	-1.46
C	1.53	0.31	µg/l	101%	0.09
D	1.49	0.46	µg/l	99%	-0.09
E	1.36	0.27	µg/l	90%	-0.66
F	1.458	0.365	µg/l	97%	-0.23
G	1.181	0.272	µg/l	78%	-1.45
H	1.37	0.29	µg/l	91%	-0.62
I	1.02	0.204	µg/l	68%	-2.16
J	1.63	0.105	µg/l	108%	0.53
K	1.61	0.32	µg/l	107%	0.44
L	1.79	0.36	µg/l	119%	1.24
M	1.337	0.401	µg/l	89%	-0.76
N	1.44	0.43	µg/l	95%	-0.31
O	1.92	0.38	µg/l	127%	1.81
P			µg/l		
Q			µg/l		
R	1.52	0.335	µg/l	101%	0.04
S			µg/l		
T	1.31	0.29	µg/l	87%	-0.88
U			µg/l		
V	1.342	0.295	µg/l	89%	-0.74
W	1.27	0.21	µg/l	84%	-1.06
X	1.50	0.23	µg/l	99%	-0.04
Y	1.384	0.138	µg/l	92%	-0.56
Z			µg/l		
AA	1.44	0.58	µg/l	95%	-0.31
AB	1.64	0.43	µg/l	109%	0.57
AC	0.830	0.249	µg/l	55%	-3.00
AD	<0.2		µg/l		FN
AE	1.05	0.32	µg/l	70%	-2.03
AF	1.30	0.33	µg/l	86%	-0.93
AG	1.714	0.1758	µg/l	114%	0.90
AH	1.78	0.18	µg/l	118%	1.19
AI	1.43	0.214	µg/l	95%	-0.35
AJ	1.61	0.24	µg/l	107%	0.44
AK	1.47	0.294	µg/l	97%	-0.18
AL	1.70	0.51	µg/l	113%	0.84

	All results	Outliers excl.	Unit
Mean $\pm$ CI(99%)	1,43 $\pm$ 0,12	1,43 $\pm$ 0,12	µg/l
Recov. $\pm$ CI(99%)	94,9 $\pm$ 7,6	94,9 $\pm$ 7,6	%
SD between labs	0,24	0,24	µg/l
RSD between labs	16,5	16,5	%
n for calculation	32	32	



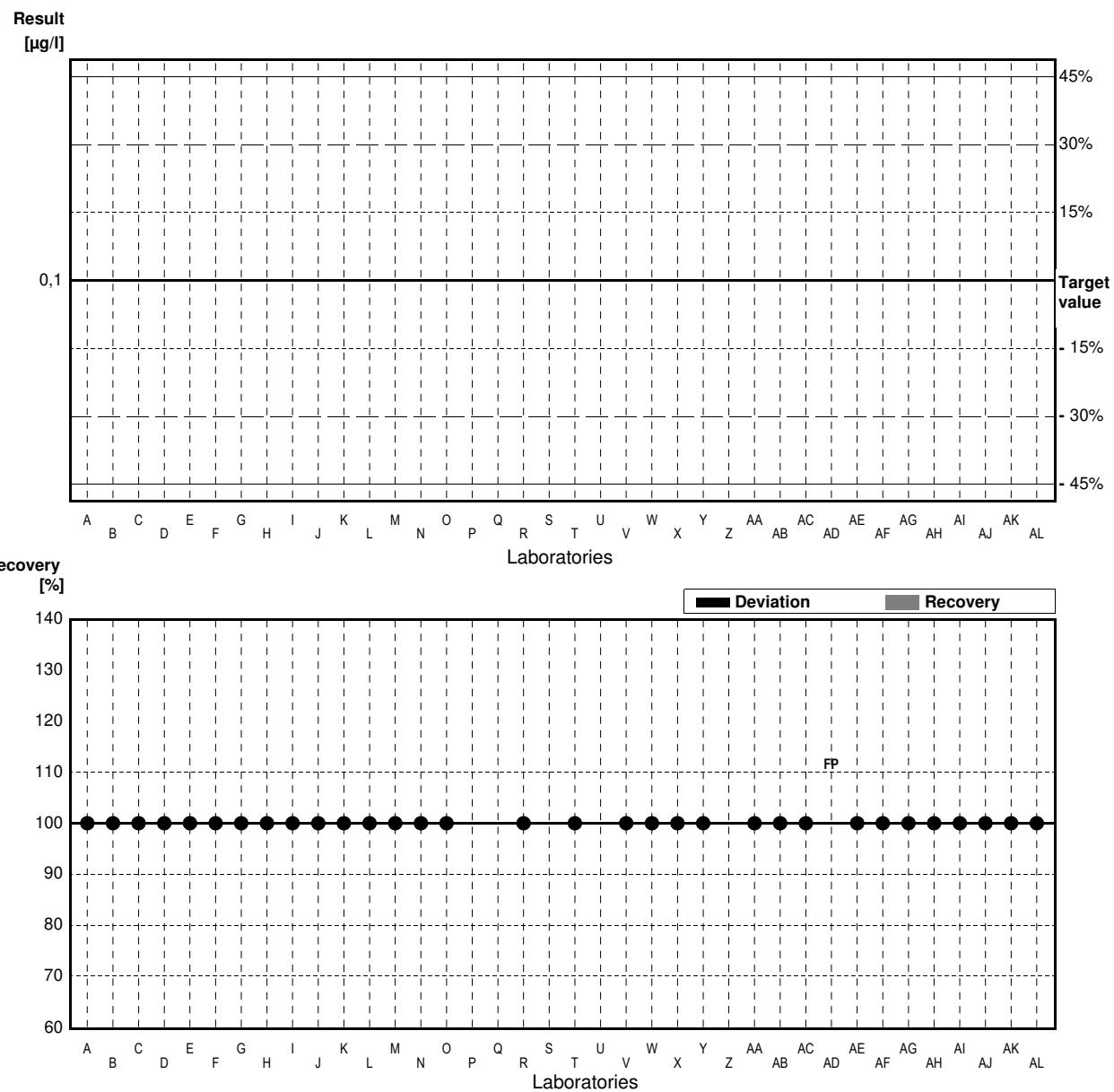
## Sample C-CB08B

### Parameter Tribromomethane

Target value <0,1 µg/l  
 IFA result <0,1 µg/l  
 Stability test <0,1 µg/l

Lab Code	Result	±	Unit	Recovery	z-Score
A	<0.100		µg/l	.	
B	<0.1		µg/l	.	
C	<0.05		µg/l	.	
D	<0.5		µg/l	.	
E	<0.08		µg/l	.	
F	<0.050	0.020	µg/l	.	
G	<0.2		µg/l	.	
H	<0.14		µg/l	.	
I	<0.1		µg/l	.	
J	<0.050		µg/l	.	
K	<0.1		µg/l	.	
L	<0.50		µg/l	.	
M	<0.100		µg/l	.	
N	<0.100		µg/l	.	
O	<0.10		µg/l	.	
P			µg/l		
Q			µg/l		
R	<0.1		µg/l	.	
S			µg/l		
T	<0.020		µg/l	.	
U			µg/l		
V	<0.05		µg/l	.	
W	<0.500	0.25	µg/l	.	
X	<0.3		µg/l	.	
Y	<0.1		µg/l	.	
Z			µg/l		
AA	<0.5		µg/l	.	
AB	<0.1	0.03	µg/l	.	
AC	<0.05	0.015	µg/l	.	
AD	1.76	0.06	µg/l	FP	
AE	<0.2	0	µg/l	.	
AF	<0.1		µg/l	.	
AG	<0.05		µg/l	.	
AH	<0.5		µg/l	.	
AI	<0.1		µg/l	.	
AJ	<0.1		µg/l	.	
AK	<0.035		µg/l	.	
AL	<0.1		µg/l	.	

	All results	Outliers excl.	Unit µg/l % µg/l %
Mean ± CI(99%)			
Recov. ± CI(99%)			
SD between labs			
RSD between labs			
n for calculation			



## Sample C-CB08A

### Parameter Bromodichloromethane

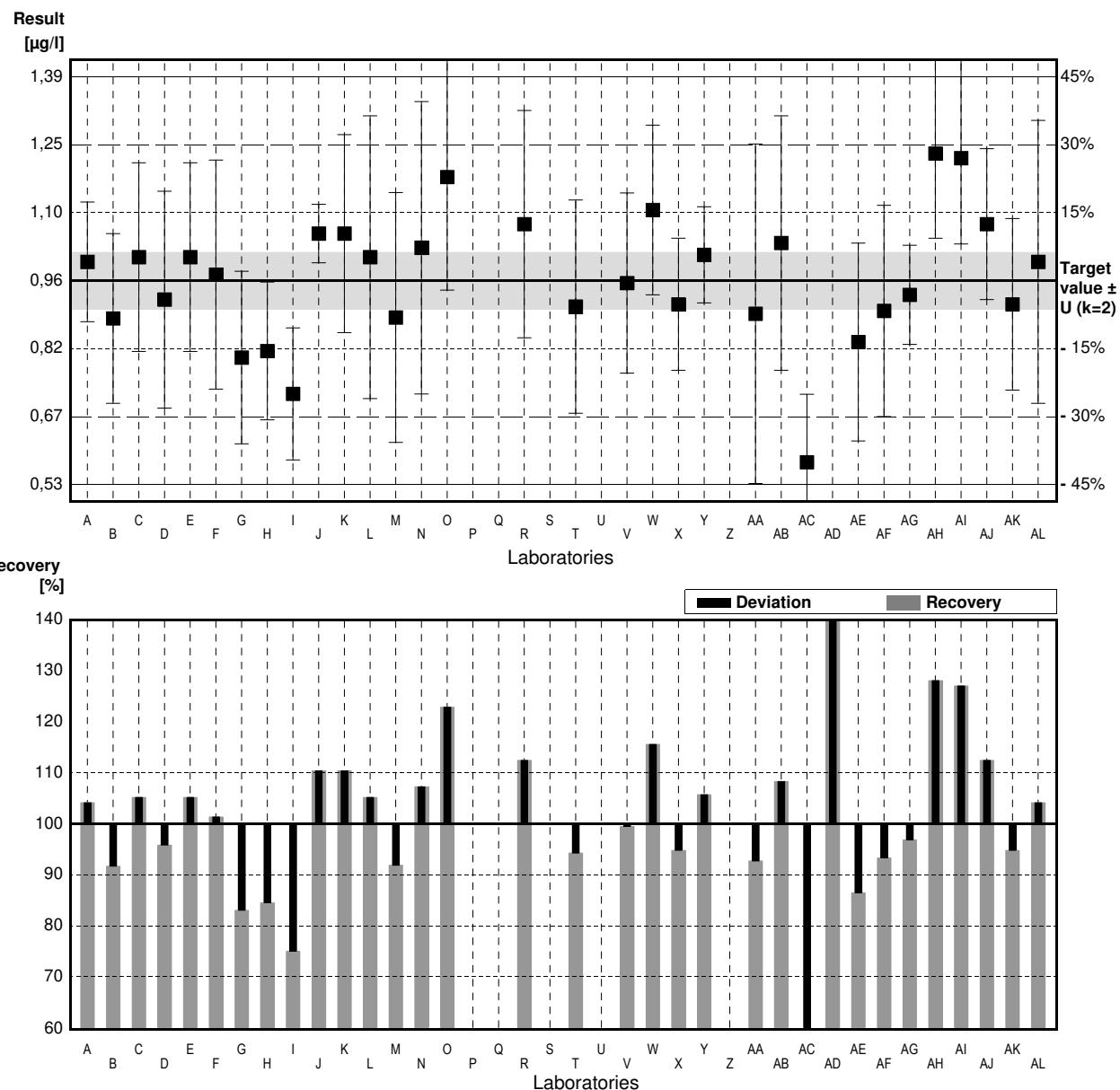
Target value  $\pm U$  ( $k=2$ ) 0.96 µg/l  $\pm$  0.06 µg/l

IFA result  $\pm U$  ( $k=2$ ) 0.94 µg/l  $\pm$  0.14 µg/l

Stability test  $\pm U$  ( $k=2$ ) 0.95 µg/l  $\pm$  0.14 µg/l

Lab Code	Result	$\pm$	Unit	Recovery	z-Score
A	1.00	0.127	µg/l	104%	0.32
B	0.88	0.18	µg/l	92%	-0.64
C	1.01	0.20	µg/l	105%	0.40
D	0.92	0.23	µg/l	96%	-0.32
E	1.01	0.20	µg/l	105%	0.40
F	0.973	0.243	µg/l	101%	0.10
G	0.797	0.183	µg/l	83%	-1.31
H	0.811	0.146	µg/l	84%	-1.19
I	0.72	0.14	µg/l	75%	-1.92
J	1.06	0.062	µg/l	110%	0.80
K	1.06	0.21	µg/l	110%	0.80
L	1.01	0.30	µg/l	105%	0.40
M	0.882	0.265	µg/l	92%	-0.63
N	1.03	0.31	µg/l	107%	0.56
O	1.18	0.24	µg/l	123%	1.76
P			µg/l		
Q			µg/l		
R	1.08	0.241	µg/l	113%	0.96
S			µg/l		
T	0.905	0.226	µg/l	94%	-0.44
U			µg/l		
V	0.955	0.191	µg/l	99%	-0.04
W	1.11	0.18	µg/l	116%	1.20
X	0.91	0.14	µg/l	95%	-0.40
Y	1.015	0.102	µg/l	106%	0.44
Z			µg/l		
AA	0.89	0.36	µg/l	93%	-0.56
AB	1.04	0.27	µg/l	108%	0.64
AC	0.575 *	0.144	µg/l	60%	-3.08
AD	1.76 *	0.07	µg/l	183%	6.41
AE	0.83	0.21	µg/l	86%	-1.04
AF	0.896	0.224	µg/l	93%	-0.51
AG	0.930	0.1052	µg/l	97%	-0.24
AH	1.23	0.18	µg/l	128%	2.16
AI	1.22	0.182	µg/l	127%	2.08
AJ	1.08	0.16	µg/l	113%	0.96
AK	0.91	0.182	µg/l	95%	-0.40
AL	1.00	0.30	µg/l	104%	0.32

Mean $\pm$ CI(99%)	All results	Outliers excl.	Unit
Recov. $\pm$ CI(99%)	0.99 $\pm$ 0.09	0.98 $\pm$ 0.06	µg/l
SD between labs	103.2 $\pm$ 9.6	102.0 $\pm$ 6.2	%
RSD between labs	0.19	0.12	µg/l
n for calculation	33	31	%



## Sample C-CB08B

### Parameter Bromodichloromethane

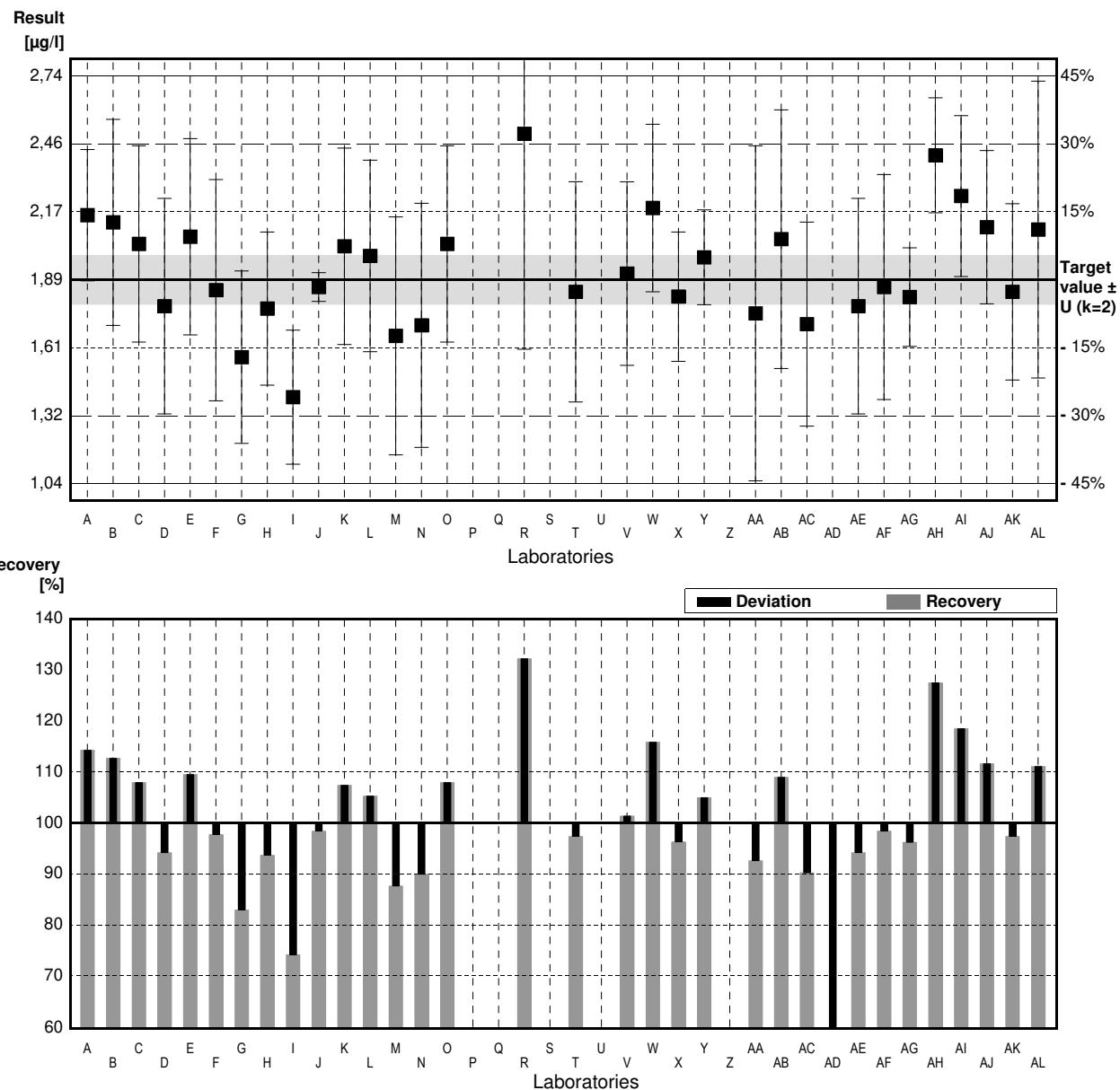
Target value  $\pm U$  ( $k=2$ ) 1,89 µg/l  $\pm$  0,10 µg/l

IFA result  $\pm U$  ( $k=2$ ) 1,82 µg/l  $\pm$  0,27 µg/l

Stability test  $\pm U$  ( $k=2$ ) 1,86 µg/l  $\pm$  0,28 µg/l

Lab Code	Result	$\pm$	Unit	Recovery	z-Score
A	2,16	0,274	µg/l	114%	1,10
B	2,13	0,43	µg/l	113%	0,98
C	2,04	0,41	µg/l	108%	0,61
D	1,78	0,45	µg/l	94%	-0,45
E	2,07	0,41	µg/l	110%	0,73
F	1,847	0,462	µg/l	98%	-0,18
G	1,567	0,360	µg/l	83%	-1,31
H	1,77	0,32	µg/l	94%	-0,49
I	1,40	0,280	µg/l	74%	-1,99
J	1,86	0,060	µg/l	98%	-0,12
K	2,03	0,41	µg/l	107%	0,57
L	1,99	0,40	µg/l	105%	0,41
M	1,656	0,497	µg/l	88%	-0,95
N	1,70	0,51	µg/l	90%	-0,77
O	2,04	0,41	µg/l	108%	0,61
P			µg/l		
Q			µg/l		
R	2,50	0,90	µg/l	132%	2,48
S			µg/l		
T	1,84	0,46	µg/l	97%	-0,20
U			µg/l		
V	1,916	0,383	µg/l	101%	0,11
W	2,19	0,35	µg/l	116%	1,22
X	1,82	0,27	µg/l	96%	-0,28
Y	1,984	0,198	µg/l	105%	0,38
Z			µg/l		
AA	1,75	0,7	µg/l	93%	-0,57
AB	2,06	0,54	µg/l	109%	0,69
AC	1,705	0,426	µg/l	90%	-0,75
AD	0,91 *	0,03	µg/l	48%	-3,99
AE	1,78	0,45	µg/l	94%	-0,45
AF	1,86	0,47	µg/l	98%	-0,12
AG	1,818	0,2057	µg/l	96%	-0,29
AH	2,41	0,24	µg/l	128%	2,12
AI	2,24	0,336	µg/l	119%	1,42
AJ	2,11	0,32	µg/l	112%	0,90
AK	1,84	0,368	µg/l	97%	-0,20
AL	2,10	0,62	µg/l	111%	0,85

	All results	Outliers excl.	Unit
Mean $\pm$ CI(99%)	$1,91 \pm 0,14$	$1,94 \pm 0,11$	µg/l
Recov. $\pm$ CI(99%)	$100,8 \pm 7,4$	$102,5 \pm 6,0$	%
SD between labs	0,29	0,23	µg/l
RSD between labs	15,3	12,1	%
n for calculation	33	32	



## Sample C-CB08A

### Parameter Dibromochloromethane

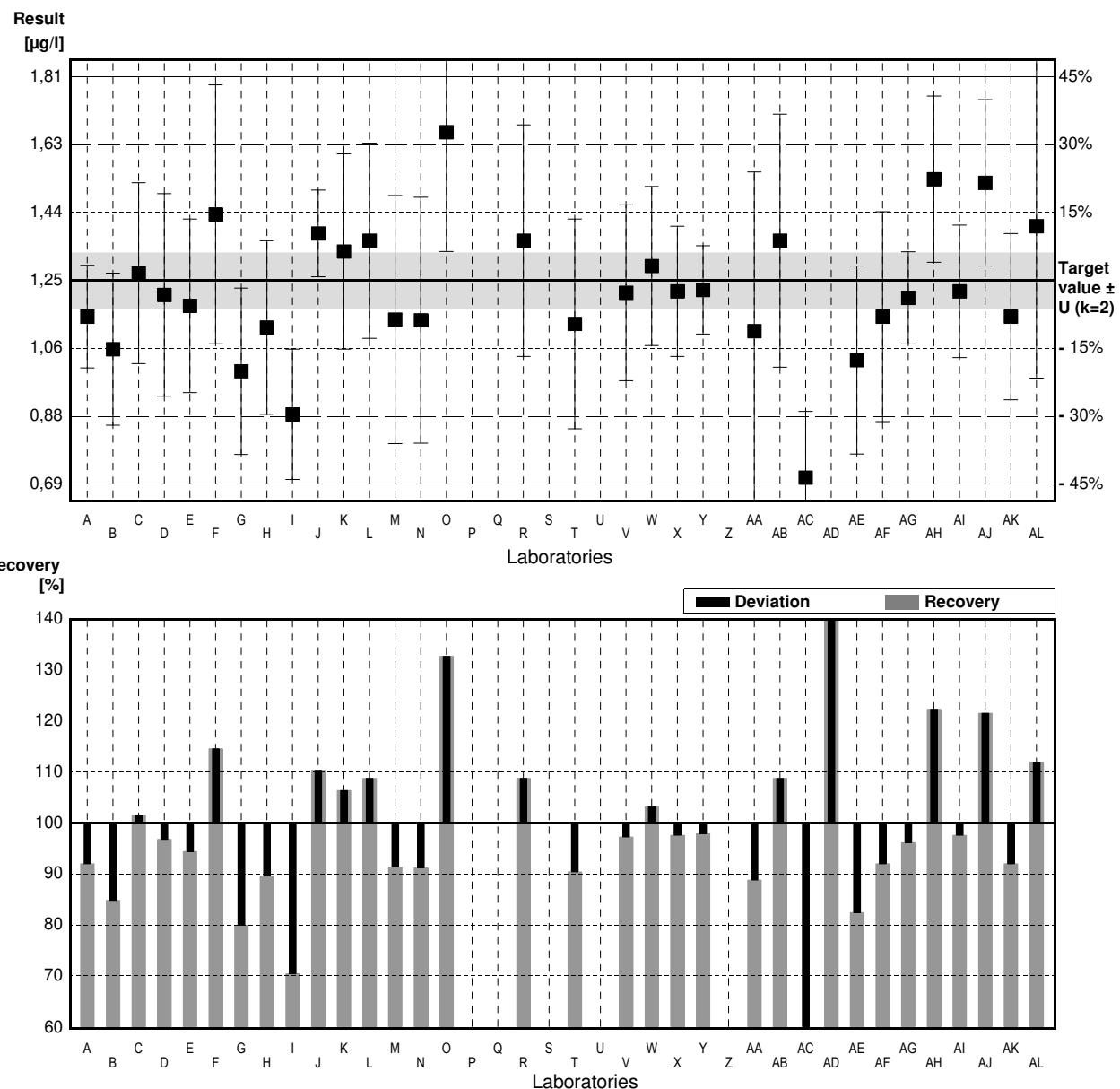
Target value  $\pm U$  ( $k=2$ ) 1,25 µg/l  $\pm$  0,08 µg/l

IFA result  $\pm U$  ( $k=2$ ) 1,21 µg/l  $\pm$  0,18 µg/l

Stability test  $\pm U$  ( $k=2$ ) 1,24 µg/l  $\pm$  0,19 µg/l

Lab Code	Result	$\pm$	Unit	Recovery	z-Score
A	1.15	0.142	µg/l	92%	-0.57
B	1.06	0.21	µg/l	85%	-1.09
C	1.27	0.25	µg/l	102%	0.11
D	1.21	0.28	µg/l	97%	-0.23
E	1.18	0.24	µg/l	94%	-0.40
F	1.433	0.358	µg/l	115%	1.05
G	0.999	0.230	µg/l	80%	-1.43
H	1.12	0.24	µg/l	90%	-0.74
I	0.88	0.18	µg/l	70%	-2.11
J	1.38	0.12	µg/l	110%	0.74
K	1.33	0.27	µg/l	106%	0.46
L	1.36	0.27	µg/l	109%	0.63
M	1.142	0.343	µg/l	91%	-0.62
N	1.14	0.34	µg/l	91%	-0.63
O	1.66	0.33	µg/l	133%	2.34
P			µg/l		
Q			µg/l		
R	1.36	0.320	µg/l	109%	0.63
S			µg/l		
T	1.13	0.29	µg/l	90%	-0.69
U			µg/l		
V	1.216	0.243	µg/l	97%	-0.19
W	1.29	0.22	µg/l	103%	0.23
X	1.22	0.18	µg/l	98%	-0.17
Y	1.224	0.122	µg/l	98%	-0.15
Z			µg/l		
AA	1.11	0.44	µg/l	89%	-0.80
AB	1.36	0.35	µg/l	109%	0.63
AC	0.705 *	0.183	µg/l	56%	-3.11
AD	1.96 *	0.07	µg/l	157%	4.06
AE	1.03	0.26	µg/l	82%	-1.26
AF	1.15	0.29	µg/l	92%	-0.57
AG	1.202	0.1274	µg/l	96%	-0.27
AH	1.53	0.23	µg/l	122%	1.60
AI	1.22	0.183	µg/l	98%	-0.17
AJ	1.52	0.23	µg/l	122%	1.54
AK	1.15	0.230	µg/l	92%	-0.57
AL	1.40	0.42	µg/l	112%	0.86

	All results	Outliers excl.	Unit
Mean $\pm$ CI(99%)	1,25 $\pm$ 0,11		µg/l
Recov. $\pm$ CI(99%)	99,6 $\pm$ 8,6	99,2 $\pm$ 6,6	%
SD between labs	0,23	0,17	µg/l
RSD between labs	18,2	13,5	%
n for calculation	33	31	



## Sample C-CB08B

### Parameter Dibromochloromethane

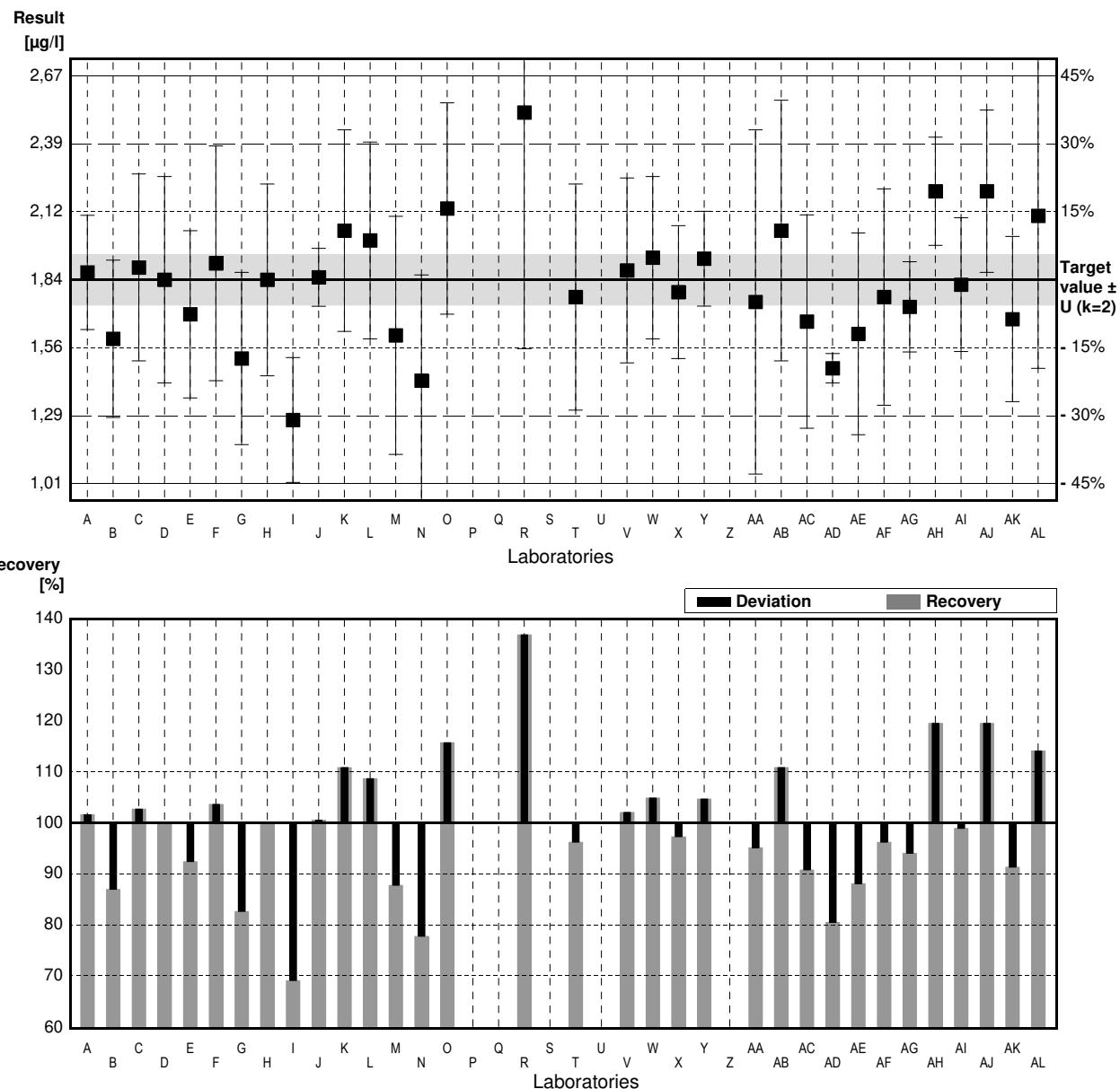
Target value  $\pm U$  ( $k=2$ ) 1,84 µg/l  $\pm$  0,10 µg/l

IFA result  $\pm U$  ( $k=2$ ) 1,75 µg/l  $\pm$  0,26 µg/l

Stability test  $\pm U$  ( $k=2$ ) 1,80 µg/l  $\pm$  0,27 µg/l

Lab Code	Result	$\pm$	Unit	Recovery	z-Score
A	1.87	0.232	µg/l	102%	0.12
B	1.60	0.32	µg/l	87%	-0.93
C	1.89	0.38	µg/l	103%	0.19
D	1.84	0.42	µg/l	100%	0.00
E	1.70	0.34	µg/l	92%	-0.54
F	1.907	0.477	µg/l	104%	0.26
G	1.520	0.350	µg/l	83%	-1.24
H	1.84	0.39	µg/l	100%	0.00
I	1.27	0.254	µg/l	69%	-2.21
J	1.85	0.118	µg/l	101%	0.04
K	2.04	0.41	µg/l	111%	0.78
L	2.00	0.40	µg/l	109%	0.62
M	1.614	0.484	µg/l	88%	-0.88
N	1.43	0.43	µg/l	78%	-1.59
O	2.13	0.43	µg/l	116%	1.13
P			µg/l		
Q			µg/l		
R	2.52	0.96	µg/l	137%	2.64
S			µg/l		
T	1.77	0.46	µg/l	96%	-0.27
U			µg/l		
V	1.878	0.376	µg/l	102%	0.15
W	1.93	0.33	µg/l	105%	0.35
X	1.79	0.27	µg/l	97%	-0.19
Y	1.926	0.193	µg/l	105%	0.33
Z			µg/l		
AA	1.75	0.7	µg/l	95%	-0.35
AB	2.04	0.53	µg/l	111%	0.78
AC	1.670	0.434	µg/l	91%	-0.66
AD	1.48	0.06	µg/l	80%	-1.40
AE	1.62	0.41	µg/l	88%	-0.85
AF	1.77	0.44	µg/l	96%	-0.27
AG	1.730	0.1834	µg/l	94%	-0.43
AH	2.20	0.22	µg/l	120%	1.40
AI	1.82	0.272	µg/l	99%	-0.08
AJ	2.20	0.33	µg/l	120%	1.40
AK	1.68	0.336	µg/l	91%	-0.62
AL	2.10	0.62	µg/l	114%	1.01

	All results	Outliers excl.	Unit
Mean $\pm$ CI(99%)	$1,83 \pm 0,12$	$1,83 \pm 0,12$	µg/l
Recov. $\pm$ CI(99%)	$99,4 \pm 6,5$	$99,4 \pm 6,5$	%
SD between labs	0,25	0,25	µg/l
RSD between labs	13,6	13,6	%
n for calculation	33	33	



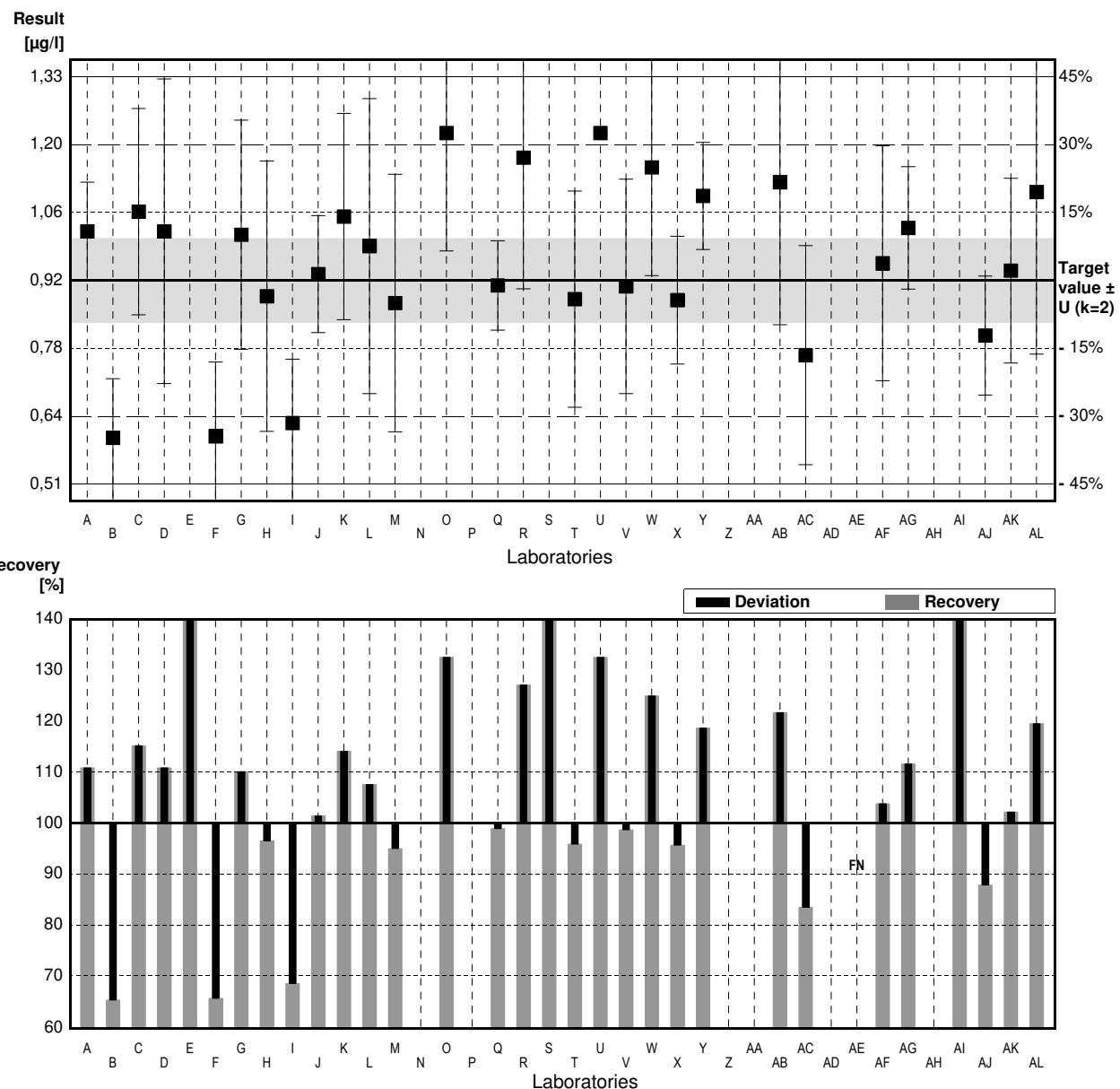
## Sample C-CB08A

### Parameter Dichloromethane

Target value  $\pm U$  ( $k=2$ )    0,92 µg/l     $\pm$     0,09 µg/l  
 IFA result  $\pm U$  ( $k=2$ )    0,93 µg/l     $\pm$     0,14 µg/l  
 Stability test  $\pm U$  ( $k=2$ )    0,91 µg/l     $\pm$     0,14 µg/l

Lab Code	Result	$\pm$	Unit	Recovery	z-Score
A	1.02	0.100	µg/l	111%	
B	0.60	0.12	µg/l	65%	
C	1.06	0.21	µg/l	115%	
D	1.02	0.31	µg/l	111%	
E	1.47	0.29	µg/l	160%	
F	0.603	0.151	µg/l	66%	
G	1.013	0.233	µg/l	110%	
H	0.888	0.275	µg/l	97%	
I	0.63	0.13	µg/l	68%	
J	0.933	0.119	µg/l	101%	
K	1.05	0.21	µg/l	114%	
L	0.99	0.30	µg/l	108%	
M	0.874	0.262	µg/l	95%	
N			µg/l		
O	1.22	0.24	µg/l	133%	
P			µg/l		
Q	0.91	0.091	µg/l	99%	
R	1.17	0.267	µg/l	127%	
S	1.86 *	0.56	µg/l	202%	
T	0.882	0.220	µg/l	96%	
U	1.22		µg/l	133%	
V	0.908	0.218	µg/l	99%	
W	1.15	0.22	µg/l	125%	
X	0.88	0.13	µg/l	96%	
Y	1.092	0.109	µg/l	119%	
Z			µg/l		
AA			µg/l		
AB	1.12	0.29	µg/l	122%	
AC	0.768	0.223	µg/l	83%	
AD			µg/l		
AE	<0.1	0	µg/l	FN	
AF	0.955	0.239	µg/l	104%	
AG	1.027	0.1246	µg/l	112%	
AH			µg/l		
AI	1.52	0.227	µg/l	165%	
AJ	0.808	0.121	µg/l	88%	
AK	0.940	0.188	µg/l	102%	
AL	1.10	0.33	µg/l	120%	

	All results	Outliers excl.	Unit
Mean $\pm$ CI(99%)	$1,02 \pm 0,13$	$0,99 \pm 0,11$	µg/l
Recov. $\pm$ CI(99%)	$111,1 \pm 14,0$	$108,0 \pm 11,6$	%
SD between labs	0,26	0,21	µg/l
RSD between labs	25,5	21,4	%
n for calculation	31	30	



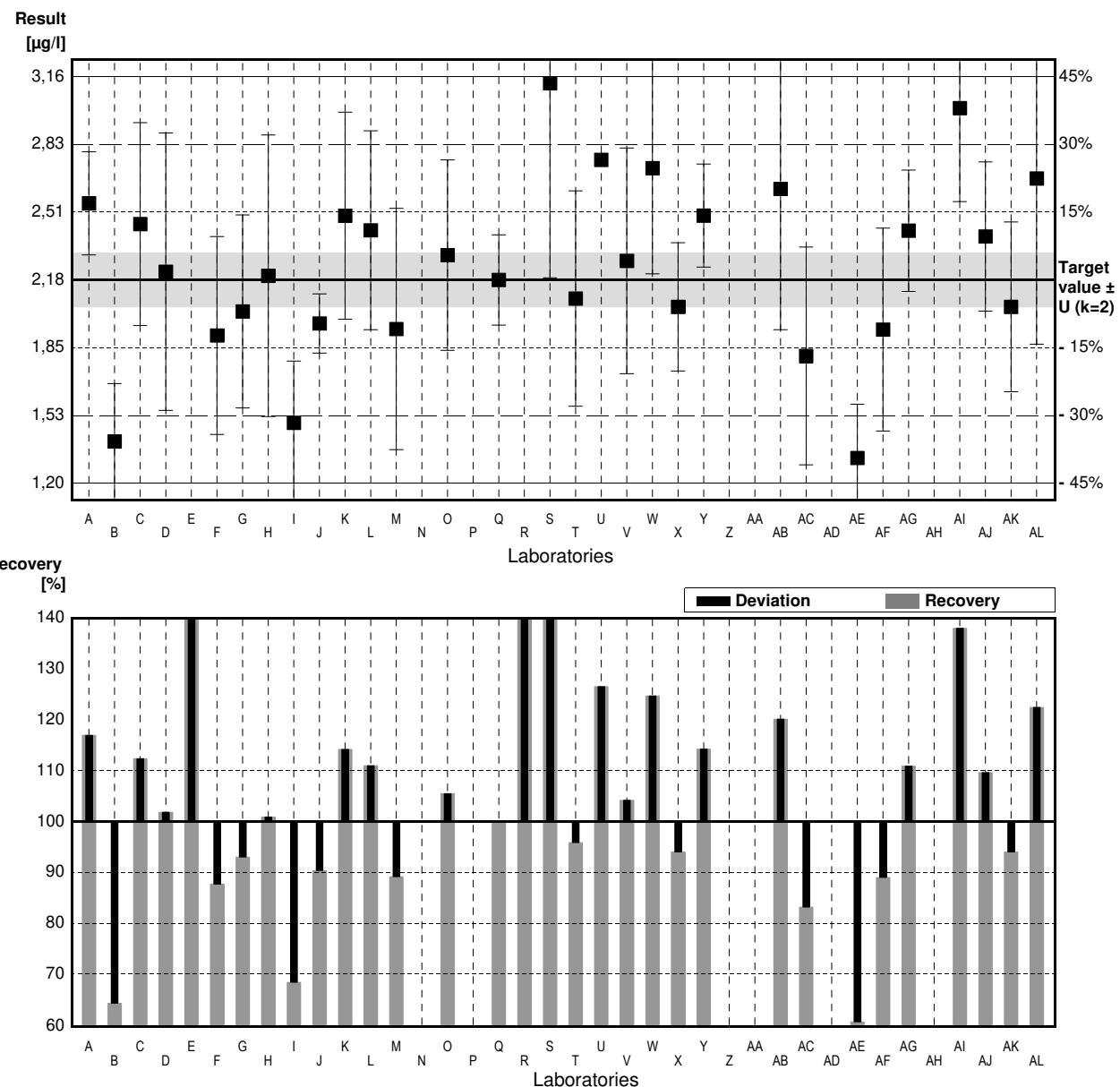
## Sample C-CB08B

### Parameter Dichloromethane

Target value  $\pm U$  ( $k=2$ ) 2,18 µg/l  $\pm$  0,13 µg/l  
 IFA result  $\pm U$  ( $k=2$ ) 2,17 µg/l  $\pm$  0,33 µg/l  
 Stability test  $\pm U$  ( $k=2$ ) 2,16 µg/l  $\pm$  0,32 µg/l

Lab Code	Result	$\pm$	Unit	Recovery	z-Score
A	2.55	0.249	µg/l	117%	1.21
B	1.40	0.28	µg/l	64%	-2.56
C	2.45	0.49	µg/l	112%	0.88
D	2.22	0.67	µg/l	102%	0.13
E	3.49	0.70	µg/l	160%	4.29
F	1.912	0.478	µg/l	88%	-0.88
G	2.028	0.466	µg/l	93%	-0.50
H	2.20	0.68	µg/l	101%	0.07
I	1.49	0.298	µg/l	68%	-2.26
J	1.97	0.143	µg/l	90%	-0.69
K	2.49	0.50	µg/l	114%	1.02
L	2.42	0.48	µg/l	111%	0.79
M	1.943	0.583	µg/l	89%	-0.78
N			µg/l		
O	2.30	0.46	µg/l	106%	0.39
P			µg/l		
Q	2.18	0.218	µg/l	100%	0.00
R	3.22	1.15	µg/l	148%	3.41
S	3.13	0.94	µg/l	144%	3.11
T	2.09	0.52	µg/l	96%	-0.29
U	2.76		µg/l	127%	1.90
V	2.272	0.545	µg/l	104%	0.30
W	2.72	0.51	µg/l	125%	1.77
X	2.05	0.31	µg/l	94%	-0.43
Y	2.491	0.249	µg/l	114%	1.02
Z			µg/l		
AA			µg/l		
AB	2.62	0.68	µg/l	120%	1.44
AC	1.813	0.526	µg/l	83%	-1.20
AD			µg/l		
AE	1.32	0.26	µg/l	61%	-2.82
AF	1.94	0.49	µg/l	89%	-0.79
AG	2.418	0.2933	µg/l	111%	0.78
AH			µg/l		
AI	3.01	0.451	µg/l	138%	2.72
AJ	2.39	0.36	µg/l	110%	0.69
AK	2.05	0.410	µg/l	94%	-0.43
AL	2.67	0.80	µg/l	122%	1.61

Mean $\pm$ CI(99%)	All results	Outliers excl.	Unit
Recov. $\pm$ CI(99%)	$2,31 \pm 0,24$	$2,31 \pm 0,24$	µg/l
SD between labs	$106,1 \pm 11,1$	$106,1 \pm 11,1$	%
RSD between labs	0,50	0,50	µg/l
n for calculation	21,6	21,6	%
	32	32	



## Sample C-CB08A

### Parameter 1,2-Dichloroethane

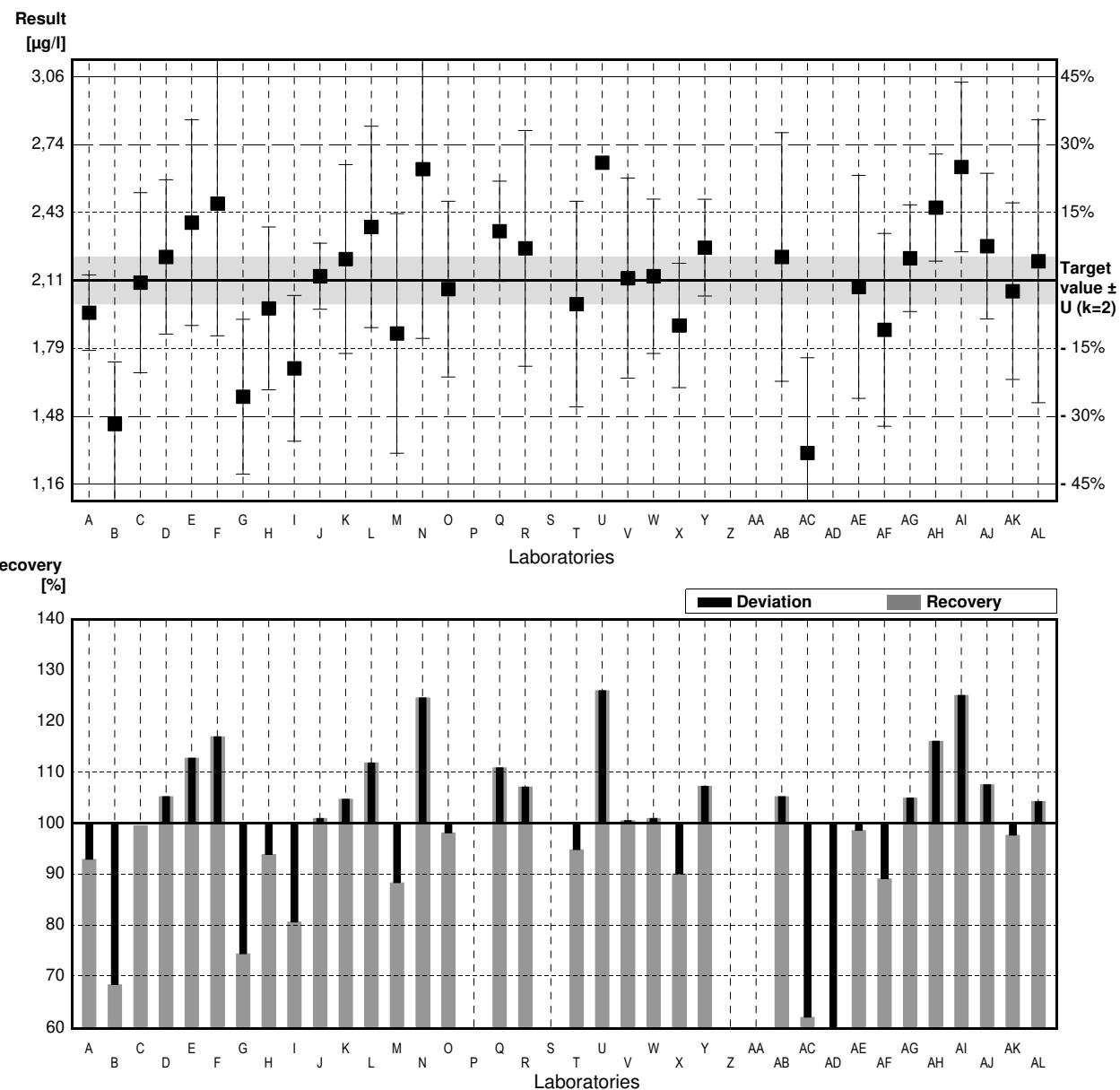
Target value  $\pm U$  ( $k=2$ ) 2,11 µg/l  $\pm$  0,11 µg/l

IFA result  $\pm U$  ( $k=2$ ) 2,08 µg/l  $\pm$  0,31 µg/l

Stability test  $\pm U$  ( $k=2$ ) 2,06 µg/l  $\pm$  0,31 µg/l

Lab Code	Result	$\pm$	Unit	Recovery	z-Score
A	1.96	0.176	µg/l	93%	-0.55
B	1.44	0.29	µg/l	68%	-2.44
C	2.10	0.42	µg/l	100%	-0.04
D	2.22	0.36	µg/l	105%	0.40
E	2.38	0.48	µg/l	113%	0.98
F	2.469	0.617	µg/l	117%	1.31
G	1.568	0.361	µg/l	74%	-1.98
H	1.98	0.38	µg/l	94%	-0.47
I	1.70	0.340	µg/l	81%	-1.49
J	2.13	0.154	µg/l	101%	0.07
K	2.21	0.44	µg/l	105%	0.36
L	2.36	0.47	µg/l	112%	0.91
M	1.863	0.559	µg/l	88%	-0.90
N	2.63	0.79	µg/l	125%	1.90
O	2.07	0.41	µg/l	98%	-0.15
P			µg/l		
Q	2.34	0.234	µg/l	111%	0.84
R	2.26	0.55	µg/l	107%	0.55
S			µg/l		
T	2.00	0.48	µg/l	95%	-0.40
U	2.66		µg/l	126%	2.01
V	2.121	0.467	µg/l	101%	0.04
W	2.13	0.36	µg/l	101%	0.07
X	1.90	0.29	µg/l	90%	-0.77
Y	2.263	0.226	µg/l	107%	0.56
Z			µg/l		
AA			µg/l		
AB	2.22	0.58	µg/l	105%	0.40
AC	1.305 *	0.444	µg/l	62%	-2.93
AD	0.94 *	0.01	µg/l	45%	-4.27
AE	2.08	0.52	µg/l	99%	-0.11
AF	1.88	0.45	µg/l	89%	-0.84
AG	2.214	0.2486	µg/l	105%	0.38
AH	2.45	0.25	µg/l	116%	1.24
AI	2.64	0.396	µg/l	125%	1.93
AJ	2.27	0.34	µg/l	108%	0.58
AK	2.06	0.412	µg/l	98%	-0.18
AL	2.20	0.66	µg/l	104%	0.33

	All results	Outliers excl.	Unit
Mean $\pm$ CI(99%)	2,09 $\pm$ 0,17	2,15 $\pm$ 0,14	µg/l
Recov. $\pm$ CI(99%)	99,0 $\pm$ 8,3	101,8 $\pm$ 6,5	%
SD between labs	0,37	0,28	µg/l
RSD between labs	17,8	13,2	%
n for calculation	34	32	



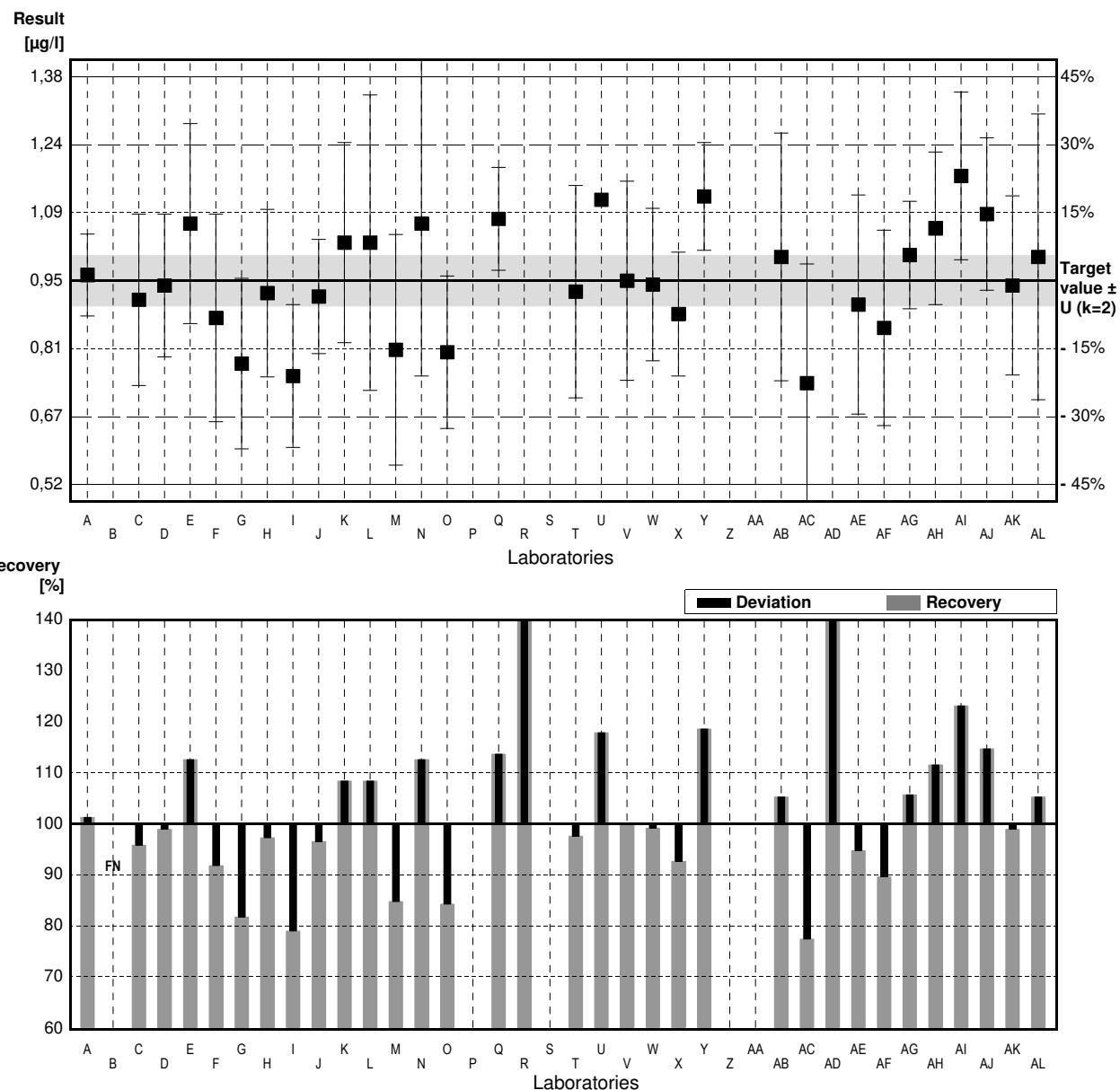
## Sample C-CB08B

### Parameter 1,2-Dichloroethane

Target value  $\pm U$  ( $k=2$ )    0.95 µg/l     $\pm$     0.05 µg/l  
 IFA result  $\pm U$  ( $k=2$ )    0.93 µg/l     $\pm$     0.14 µg/l  
 Stability test  $\pm U$  ( $k=2$ )    0.93 µg/l     $\pm$     0.14 µg/l

Lab Code	Result	$\pm$	Unit	Recovery	z-Score
A	0.962	0.086	µg/l	101%	0.10
B	<0.1		µg/l	FN	
C	0.91	0.18	µg/l	96%	-0.32
D	0.94	0.15	µg/l	99%	-0.08
E	1.07	0.21	µg/l	113%	0.97
F	0.872	0.218	µg/l	92%	-0.63
G	0.776	0.179	µg/l	82%	-1.41
H	0.924	0.176	µg/l	97%	-0.21
I	0.75	0.15	µg/l	79%	-1.62
J	0.917	0.12	µg/l	97%	-0.27
K	1.03	0.21	µg/l	108%	0.65
L	1.03	0.31	µg/l	108%	0.65
M	0.805	0.242	µg/l	85%	-1.17
N	1.07	0.32	µg/l	113%	0.97
O	0.80	0.16	µg/l	84%	-1.21
P			µg/l		
Q	1.08	0.108	µg/l	114%	1.05
R	1.42 *	0.493	µg/l	149%	3.81
S			µg/l		
T	0.927	0.223	µg/l	98%	-0.19
U	1.12		µg/l	118%	1.38
V	0.950	0.209	µg/l	100%	0.00
W	0.942	0.160	µg/l	99%	-0.06
X	0.88	0.13	µg/l	93%	-0.57
Y	1.127	0.113	µg/l	119%	1.43
Z			µg/l		
AA			µg/l		
AB	1.00	0.26	µg/l	105%	0.40
AC	0.735	0.250	µg/l	77%	-1.74
AD	2.13 *	0.02	µg/l	224%	9.55
AE	0.90	0.23	µg/l	95%	-0.40
AF	0.851	0.205	µg/l	90%	-0.80
AG	1.004	0.1128	µg/l	106%	0.44
AH	1.06	0.16	µg/l	112%	0.89
AI	1.17	0.176	µg/l	123%	1.78
AJ	1.09	0.16	µg/l	115%	1.13
AK	0.94	0.188	µg/l	99%	-0.08
AL	1.00	0.30	µg/l	105%	0.40

Mean $\pm$ CI(99%)	All results	Outliers excl.	Unit
Recov. $\pm$ CI(99%)	$1,01 \pm 0,12$	$0,96 \pm 0,06$	µg/l
SD between labs	$105,8 \pm 12,3$	$100,6 \pm 6,0$	%
RSD between labs	0,24	0,11	µg/l
n for calculation	33	31	%



## Sample C-CB08A

### Parameter cis-1,2-Dichloroethene

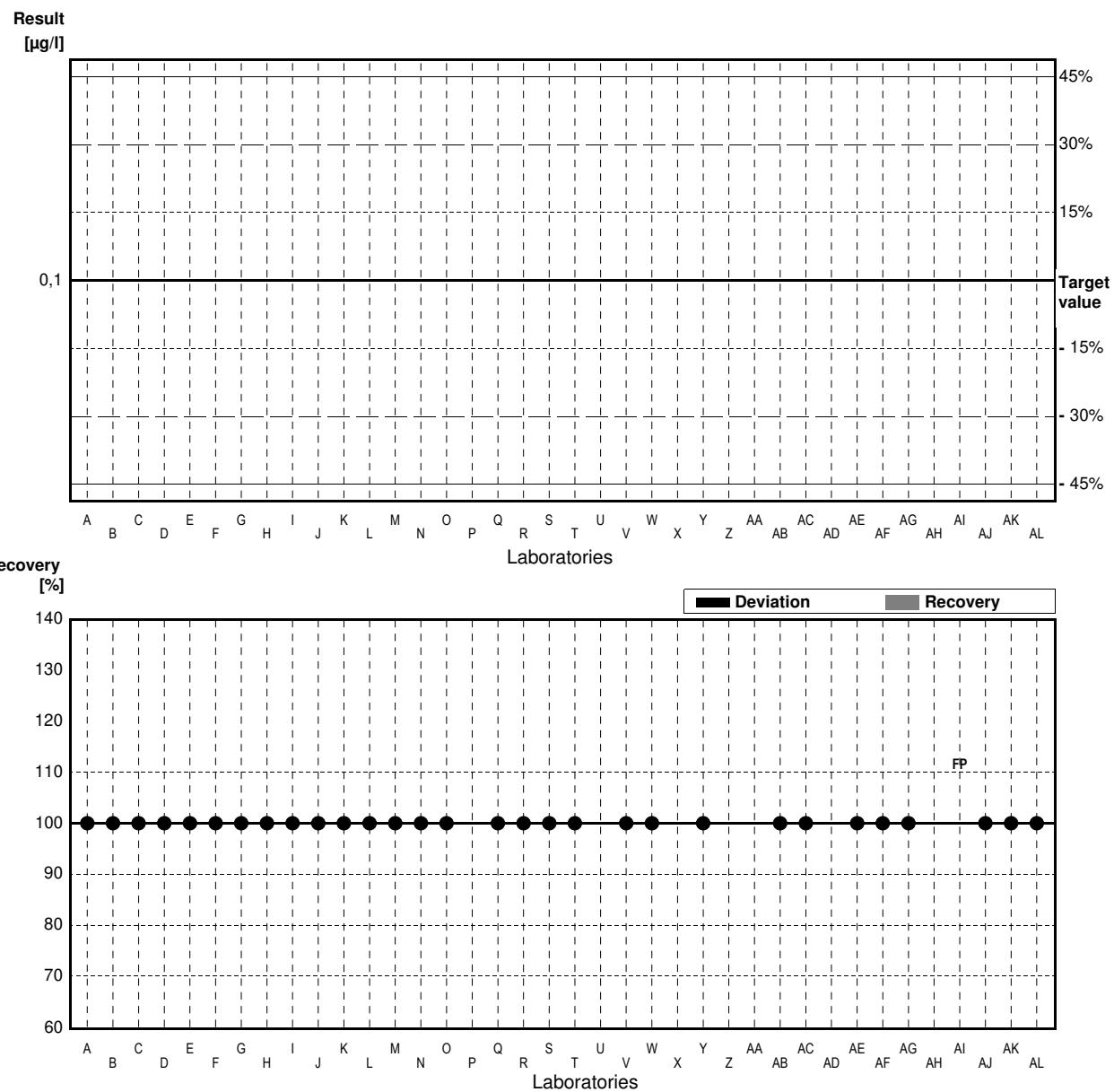
Target value <0,1 µg/l

IFA result <0,1 µg/l

Stability test <0,1 µg/l

Lab Code	Result	±	Unit	Recovery	z-Score
A	<0.100		µg/l	.	
B	<0.1		µg/l	.	
C	<0.05		µg/l	.	
D	<0.5		µg/l	.	
E	<0.08		µg/l	.	
F	<0.050	0.020	µg/l	.	
G	<0.2		µg/l	.	
H	<0.10		µg/l	.	
I	<0.10		µg/l	.	
J	<0.050		µg/l	.	
K	<0.05		µg/l	.	
L	<0.50		µg/l	.	
M	<0.100		µg/l	.	
N	<0.100		µg/l	.	
O	<0.10		µg/l	.	
P			µg/l		
Q	<0.150	0.015	µg/l	.	
R	<0.1		µg/l	.	
S	<0.50		µg/l	.	
T	<0.020		µg/l	.	
U			µg/l		
V	<0.05		µg/l	.	
W	<0.500	0.25	µg/l	.	
X			µg/l		
Y	<0.2		µg/l	.	
Z			µg/l		
AA			µg/l		
AB	<0.1	0.03	µg/l	.	
AC	<0.05	0.012	µg/l	.	
AD			µg/l		
AE	<0.05	0	µg/l	.	
AF	<0.1		µg/l	.	
AG	<0.05		µg/l	.	
AH			µg/l		
AI	0.179	0.0268	µg/l	FP	
AJ	<0.5		µg/l	.	
AK	<0.130		µg/l	.	
AL	<0.1		µg/l	.	

	All results	Outliers excl.	Unit µg/l % µg/l %
Mean ± CI(99%)			
Recov. ± CI(99%)			
SD between labs			
RSD between labs			
n for calculation			



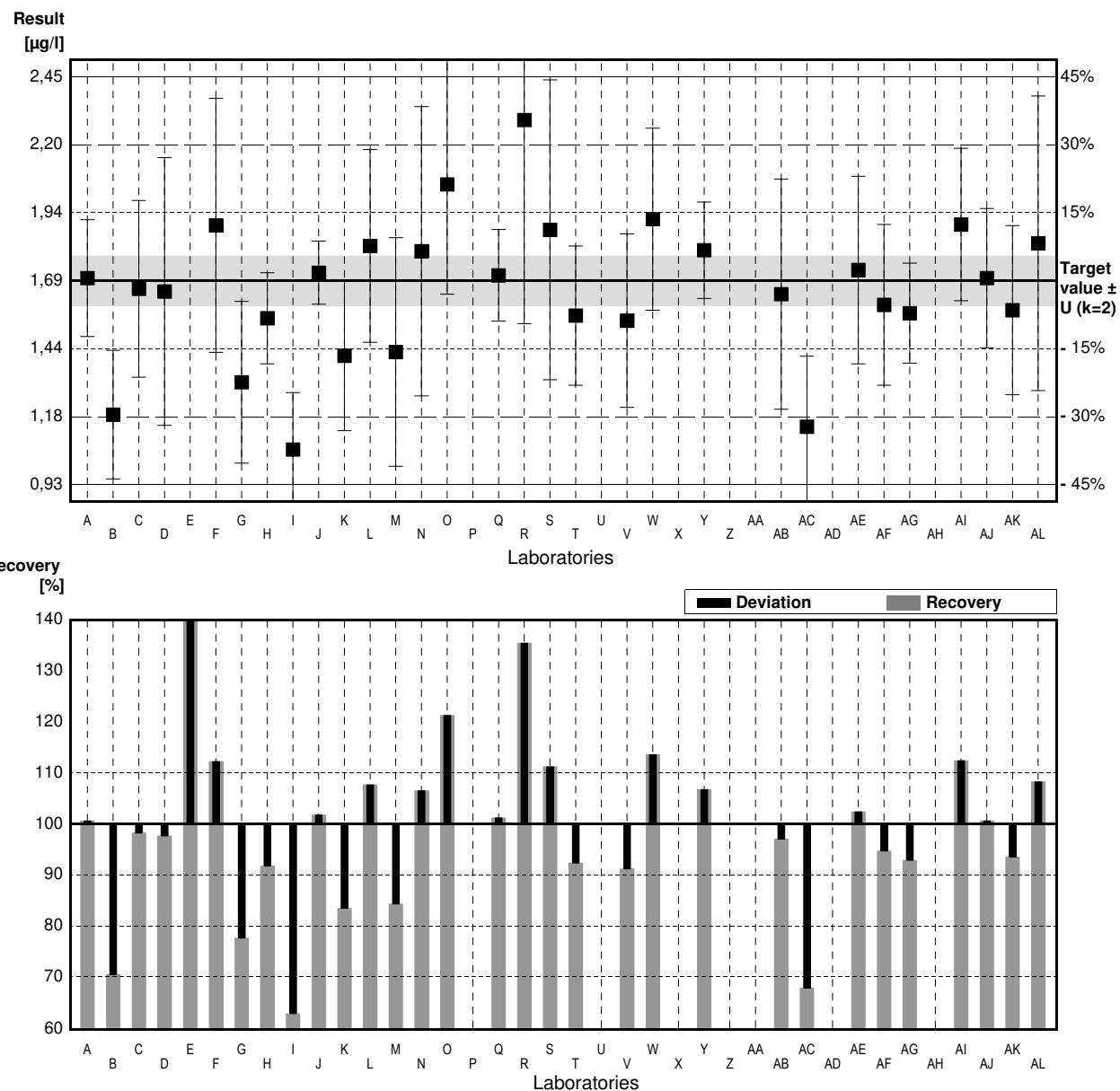
## Sample C-CB08B

### Parameter cis-1,2-Dichloroethene

Target value  $\pm U$  ( $k=2$ ) 1,69 µg/l  $\pm$  0,09 µg/l  
 IFA result  $\pm U$  ( $k=2$ ) 1,62 µg/l  $\pm$  0,24 µg/l  
 Stability test  $\pm U$  ( $k=2$ ) 1,60 µg/l  $\pm$  0,24 µg/l

Lab Code	Result	$\pm$	Unit	Recovery	z-Score
A	1.70	0.218	µg/l	101%	0.04
B	1.19	0.24	µg/l	70%	-2.11
C	1.66	0.33	µg/l	98%	-0.13
D	1.65	0.50	µg/l	98%	-0.17
E	184 *	0.37	µg/l	10888%	770.54
F	1.897	0.474	µg/l	112%	0.87
G	1.311	0.302	µg/l	78%	-1.60
H	1.55	0.17	µg/l	92%	-0.59
I	1.06	0.212	µg/l	63%	-2.66
J	1.72	0.118	µg/l	102%	0.13
K	1.41	0.28	µg/l	83%	-1.18
L	1.82	0.36	µg/l	108%	0.55
M	1.424	0.427	µg/l	84%	-1.12
N	1.80	0.54	µg/l	107%	0.46
O	2.05	0.41	µg/l	121%	1.52
P			µg/l		
Q	1.71	0.171	µg/l	101%	0.08
R	2.29	0.76	µg/l	136%	2.54
S	1.88	0.56	µg/l	111%	0.80
T	1.56	0.26	µg/l	92%	-0.55
U			µg/l		
V	1.541	0.324	µg/l	91%	-0.63
W	1.92	0.34	µg/l	114%	0.97
X			µg/l		
Y	1.804	0.180	µg/l	107%	0.48
Z			µg/l		
AA			µg/l		
AB	1.64	0.43	µg/l	97%	-0.21
AC	1.145	0.263	µg/l	68%	-2.30
AD			µg/l		
AE	1.73	0.35	µg/l	102%	0.17
AF	1.60	0.30	µg/l	95%	-0.38
AG	1.569	0.1870	µg/l	93%	-0.51
AH			µg/l		
AI	1.90	0.285	µg/l	112%	0.89
AJ	1.70	0.26	µg/l	101%	0.04
AK	1.58	0.316	µg/l	93%	-0.46
AL	1.83	0.55	µg/l	108%	0.59

	All results	Outliers excl.	Unit
Mean $\pm$ CI(99%)	7,54 $\pm$ 16,18		µg/l
Recov. $\pm$ CI(99%)	446,0 $\pm$ 957,2		%
SD between labs	32,75	97,9 $\pm$ 7,9	µg/l
RSD between labs	434,6	0,26	%
n for calculation	31	16,0	



## Sample C-CB08A

### Parameter trans-1,2-Dichloroethene

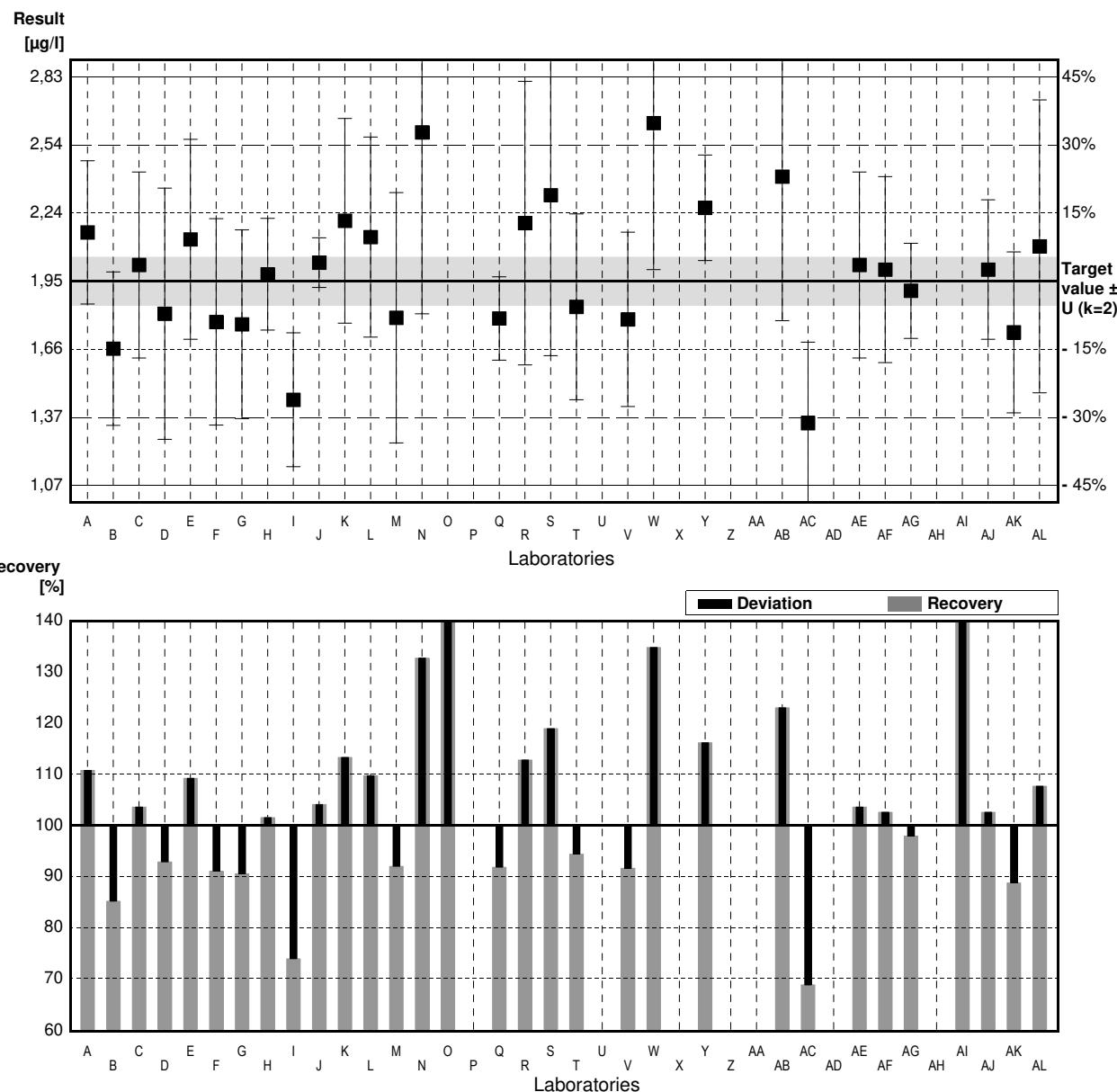
Target value  $\pm U$  ( $k=2$ ) 1,95 µg/l  $\pm$  0,10 µg/l

IFA result  $\pm U$  ( $k=2$ ) 1,91 µg/l  $\pm$  0,29 µg/l

Stability test  $\pm U$  ( $k=2$ ) 1,86 µg/l  $\pm$  0,28 µg/l

Lab Code	Result	$\pm$	Unit	Recovery	z-Score
A	2.16	0.308	µg/l	111%	0.83
B	1.66	0.33	µg/l	85%	-1.14
C	2.02	0.40	µg/l	104%	0.28
D	1.81	0.54	µg/l	93%	-0.55
E	2.13	0.43	µg/l	109%	0.71
F	1.775	0.444	µg/l	91%	-0.69
G	1.765	0.406	µg/l	91%	-0.73
H	1.98	0.24	µg/l	102%	0.12
I	1.44	0.288	µg/l	74%	-2.01
J	2.03	0.107	µg/l	104%	0.32
K	2.21	0.44	µg/l	113%	1.03
L	2.14	0.43	µg/l	110%	0.75
M	1.793	0.538	µg/l	92%	-0.62
N	2.59	0.78	µg/l	133%	2.52
O	2.91	0.58	µg/l	149%	3.79
P			µg/l		
Q	1.79	0.179	µg/l	92%	-0.63
R	2.20	0.61	µg/l	113%	0.99
S	2.32	0.69	µg/l	119%	1.46
T	1.84	0.40	µg/l	94%	-0.43
U			µg/l		
V	1.786	0.375	µg/l	92%	-0.65
W	2.63	0.63	µg/l	135%	2.68
X			µg/l		
Y	2.266	0.227	µg/l	116%	1.25
Z			µg/l		
AA			µg/l		
AB	2.40	0.62	µg/l	123%	1.78
AC	1.340	0.348	µg/l	69%	-2.41
AD			µg/l		
AE	2.02	0.40	µg/l	104%	0.28
AF	2.00	0.40	µg/l	103%	0.20
AG	1.909	0.2046	µg/l	98%	-0.16
AH			µg/l		
AI	3.28 *	0.491	µg/l	168%	5.25
AJ	2.00	0.30	µg/l	103%	0.20
AK	1.73	0.346	µg/l	89%	-0.87
AL	2.10	0.63	µg/l	108%	0.59

Mean $\pm$ CI(99%)	All results	Outliers excl.	Unit
Recov. $\pm$ CI(99%)	$2,07 \pm 0,20$	$2,02 \pm 0,17$	µg/l
SD between labs	$105,9 \pm 10,1$	$103,8 \pm 8,7$	%
RSD between labs	0,40	0,34	µg/l
n for calculation	31	30	%



## Sample C-CB08B

### Parameter trans-1,2-Dichloroethene

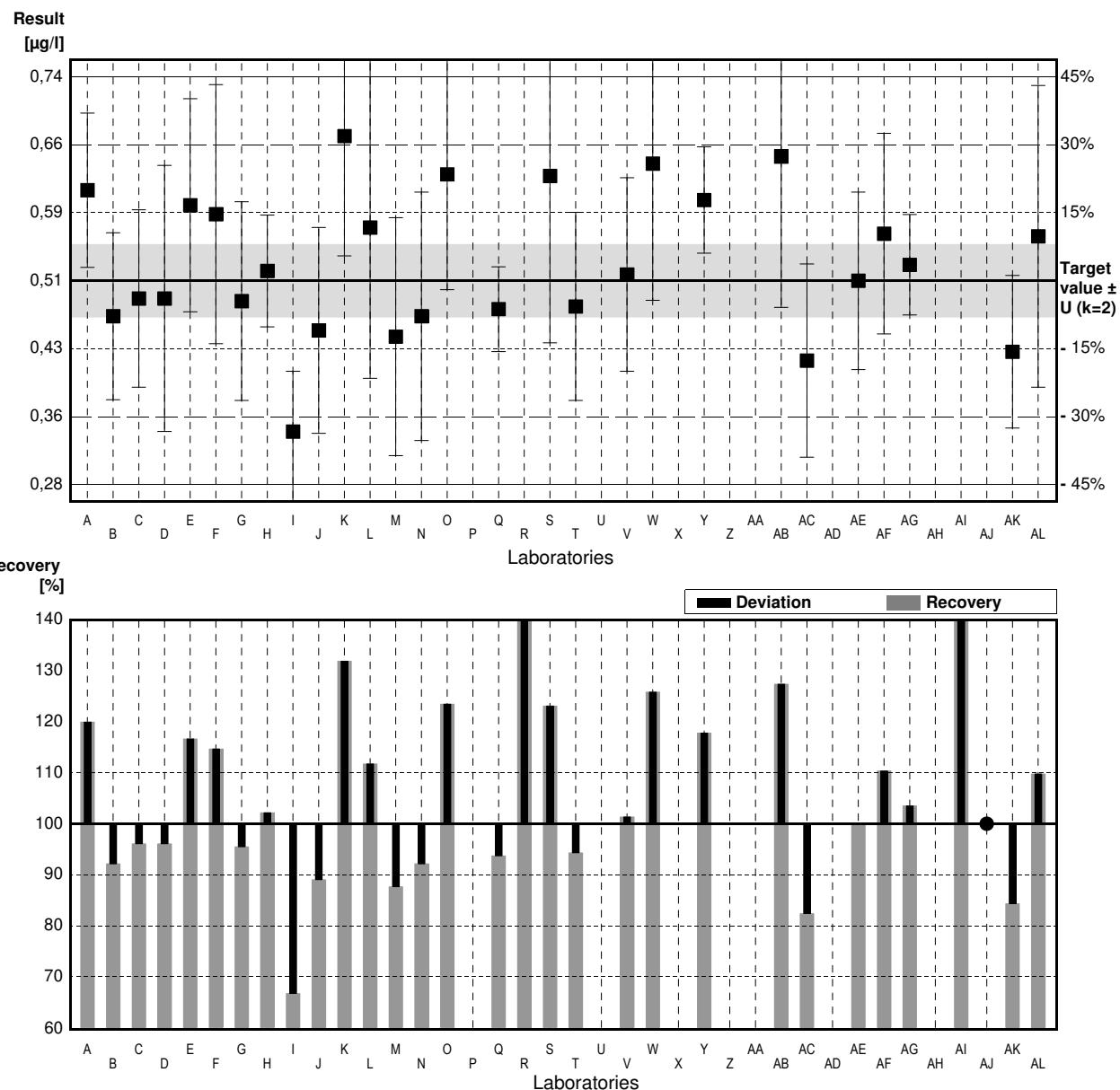
Target value  $\pm U$  ( $k=2$ ) 0,51 µg/l  $\pm$  0,04 µg/l

IFA result  $\pm U$  ( $k=2$ ) 0,50 µg/l  $\pm$  0,08 µg/l

Stability test  $\pm U$  ( $k=2$ ) 0,50 µg/l  $\pm$  0,08 µg/l

Lab Code	Result	$\pm$	Unit	Recovery	z-Score
A	0,612	0,087	µg/l	120%	1,54
B	0,470	0,094	µg/l	92%	-0,60
C	0,490	0,10	µg/l	96%	-0,30
D	0,490	0,15	µg/l	96%	-0,30
E	0,595	0,12	µg/l	117%	1,28
F	0,585	0,146	µg/l	115%	1,13
G	0,487	0,112	µg/l	95%	-0,35
H	0,521	0,063	µg/l	102%	0,17
I	0,340	0,068	µg/l	67%	-2,56
J	0,454	0,116	µg/l	89%	-0,84
K	0,673	0,135	µg/l	132%	2,46
L	0,57	0,17	µg/l	112%	0,90
M	0,447	0,134	µg/l	88%	-0,95
N	0,470	0,140	µg/l	92%	-0,60
O	0,63	0,13	µg/l	124%	1,81
P			µg/l		
Q	0,478	0,0478	µg/l	94%	-0,48
R	0,86 *	0,234	µg/l	169%	5,28
S	0,628	0,188	µg/l	123%	1,78
T	0,481	0,106	µg/l	94%	-0,44
U			µg/l		
V	0,517	0,109	µg/l	101%	0,11
W	0,642	0,154	µg/l	126%	1,99
X			µg/l		
Y	0,601	0,060	µg/l	118%	1,37
Z			µg/l		
AA			µg/l		
AB	0,65	0,17	µg/l	127%	2,11
AC	0,420	0,109	µg/l	82%	-1,36
AD			µg/l		
AE	0,51	0,10	µg/l	100%	0,00
AF	0,563	0,113	µg/l	110%	0,80
AG	0,528	0,0566	µg/l	104%	0,27
AH			µg/l		
AI	0,902 *	0,135	µg/l	177%	5,91
AJ	<0,5		µg/l	FN	
AK	0,430	0,086	µg/l	84%	-1,21
AL	0,56	0,17	µg/l	110%	0,75

Mean $\pm$ CI(99%)	All results	Outliers excl.	Unit
Recov. $\pm$ CI(99%)	$0,55 \pm 0,06$	$0,53 \pm 0,04$	µg/l
SD between labs	$108,5 \pm 11,7$	$103,9 \pm 8,3$	%
RSD between labs	0,12	0,08	µg/l
n for calculation	30	28	





# **Illustration of Results Laboratory Oriented Part**

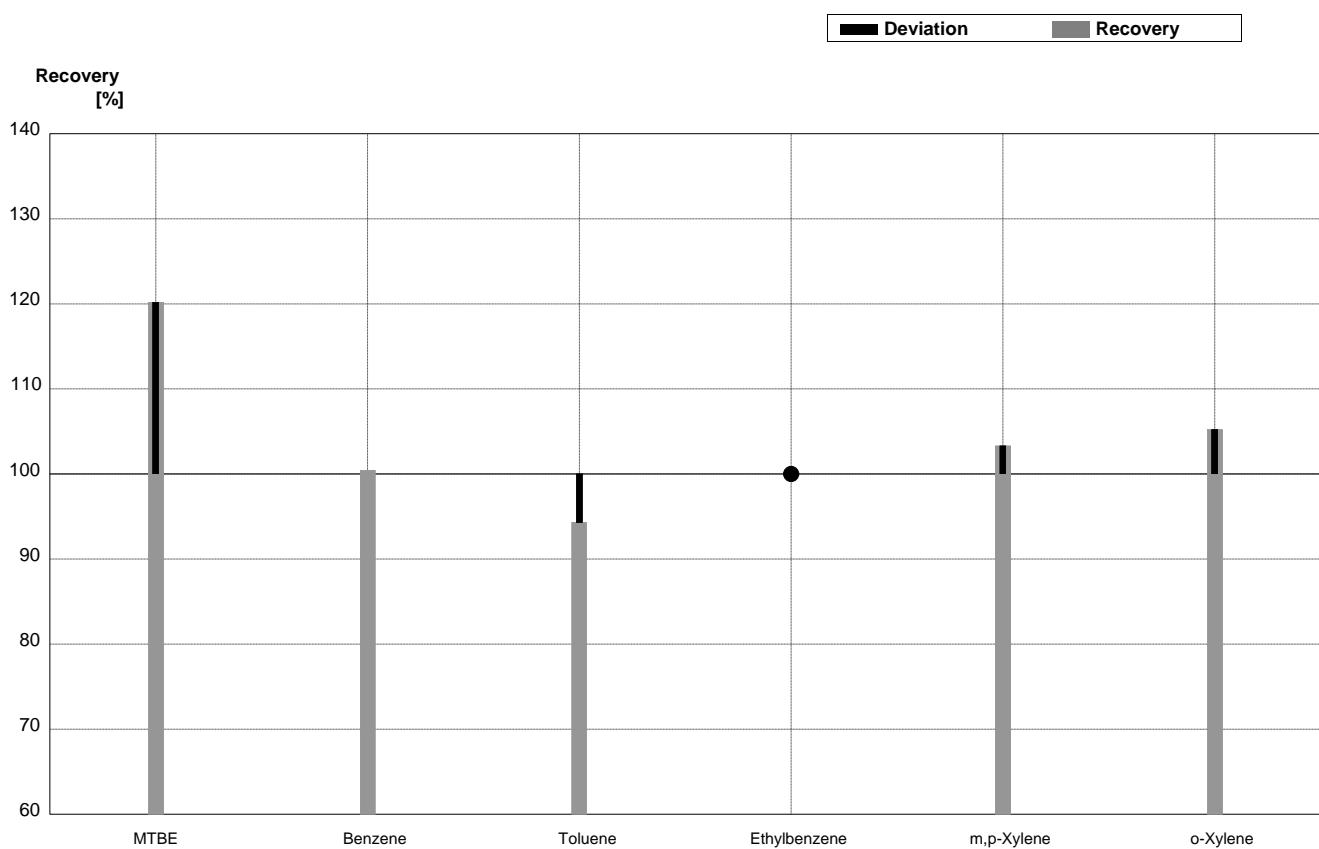
**Round CB08  
BTEX and MTBE  
Volatile Halogenated Hydrocarbons**

**Sample Dispatch: 11 October 2021**



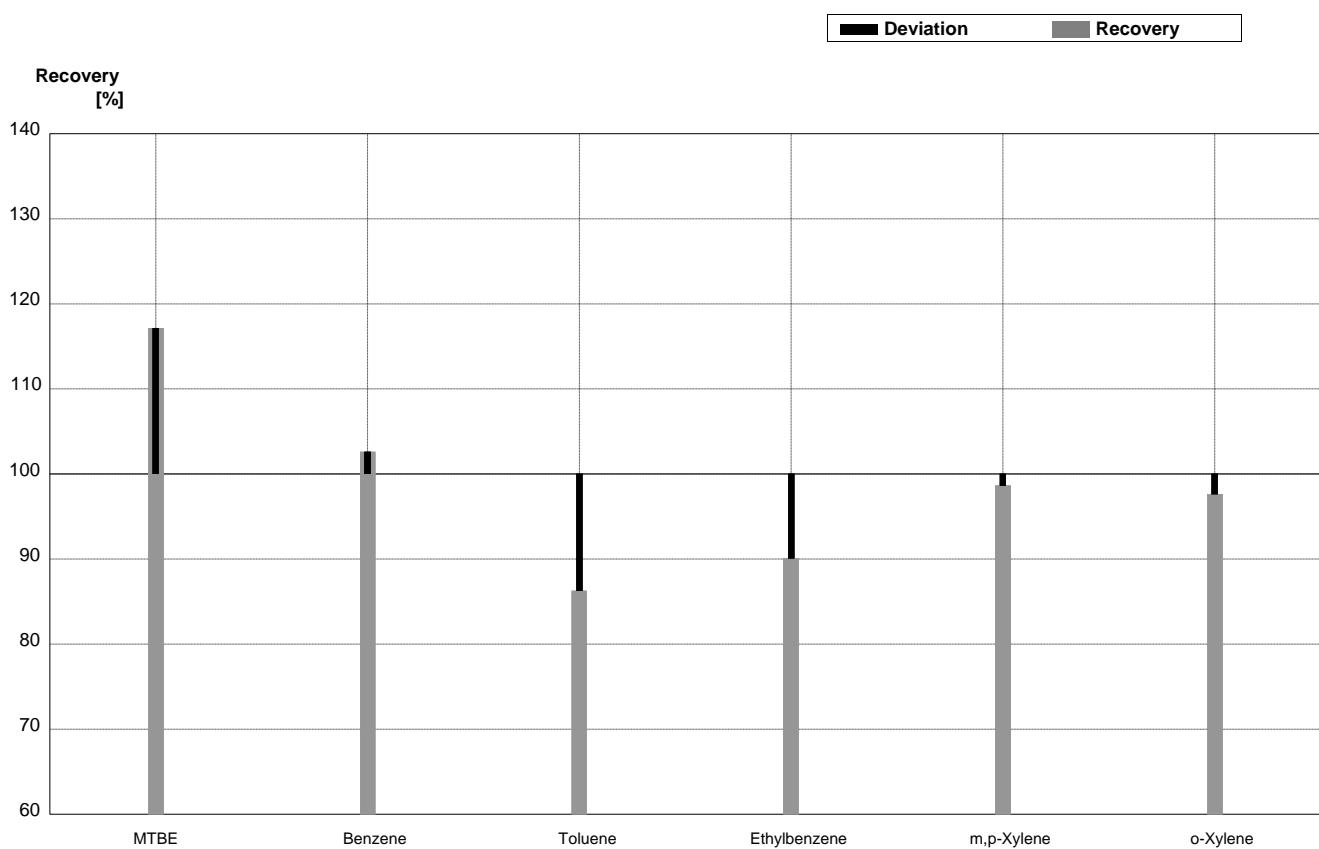
**Sample      B-CB08A**  
**Laboratory A**

Parameter	Target value	$\pm U$ ( $k=2$ )	Result	$\pm$	Unit	Recovery
MTBE	0,51	0,08	0,613	0,080	$\mu\text{g/L}$	120%
Benzene	4,34	0,23	4,36	0,323	$\mu\text{g/L}$	100%
Toluene	4,74	0,26	4,47	0,388	$\mu\text{g/L}$	94%
Ethylbenzene	<0,1		<0,100		$\mu\text{g/L}$	•
m,p-Xylene	1,52	0,17	1,57	0,250	$\mu\text{g/L}$	103%
o-Xylene	0,96	0,12	1,01	0,117	$\mu\text{g/L}$	105%



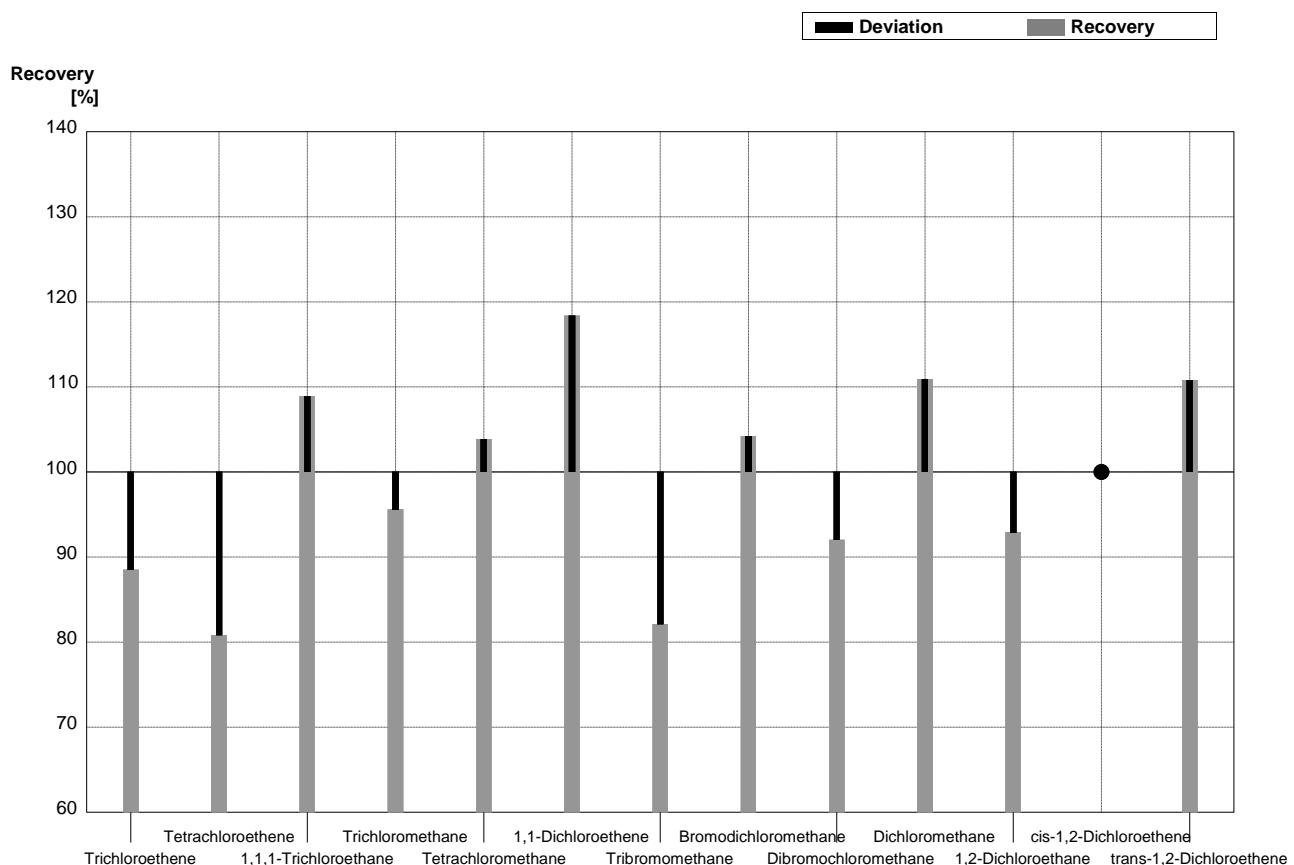
**Sample      B-CB08B****Laboratory A**

Parameter	Target value	$\pm U$ ( $k=2$ )	Result	$\pm$	Unit	Recovery
MTBE	2,28	0,14	2,67	0,347	$\mu\text{g/L}$	117%
Benzene	1,16	0,08	1,19	0,083	$\mu\text{g/L}$	103%
Toluene	2,40	0,15	2,07	0,179	$\mu\text{g/L}$	86%
Ethylbenzene	2,12	0,15	1,91	0,128	$\mu\text{g/L}$	90%
m,p-Xylene	5,10	0,30	5,03	0,800	$\mu\text{g/L}$	99%
o-Xylene	5,51	0,30	5,38	0,625	$\mu\text{g/L}$	98%



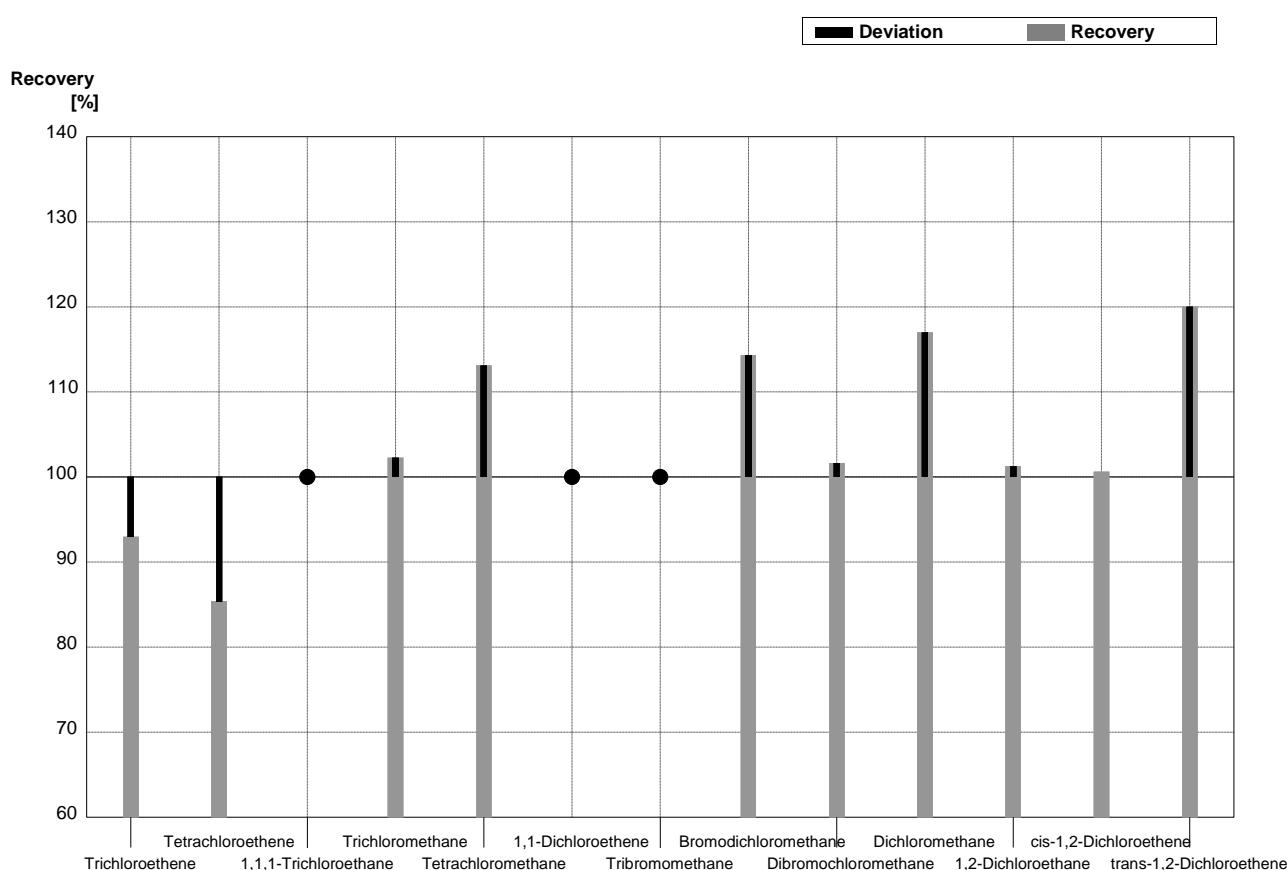
**Sample C-CB08A**  
**Laboratory A**

Parameter	Target value	± U (k=2)	Result	±	Unit	Recovery
Trichloroethene	1,13	0,07	1,00	0,107	µg/l	88%
Tetrachloroethene	0,412	0,035	0,333	0,046	µg/l	81%
1,1,1-Trichloroethane	1,24	0,07	1,35	0,112	µg/l	109%
Trichloromethane	1,36	0,07	1,30	0,104	µg/l	96%
Tetrachloromethane	1,57	0,09	1,63	0,124	µg/l	104%
1,1-Dichloroethene	1,96	0,11	2,32	0,203	µg/l	118%
Tribromomethane	1,51	0,11	1,24	0,180	µg/l	82%
Bromodichloromethane	0,96	0,06	1,00	0,127	µg/l	104%
Dibromochloromethane	1,25	0,08	1,15	0,142	µg/l	92%
Dichloromethane	0,92	0,09	1,02	0,100	µg/l	111%
1,2-Dichloroethane	2,11	0,11	1,96	0,176	µg/l	93%
cis-1,2-Dichloroethene	<0,1		<0,100		µg/l	•
trans-1,2-Dichloroethene	1,95	0,10	2,16	0,308	µg/l	111%



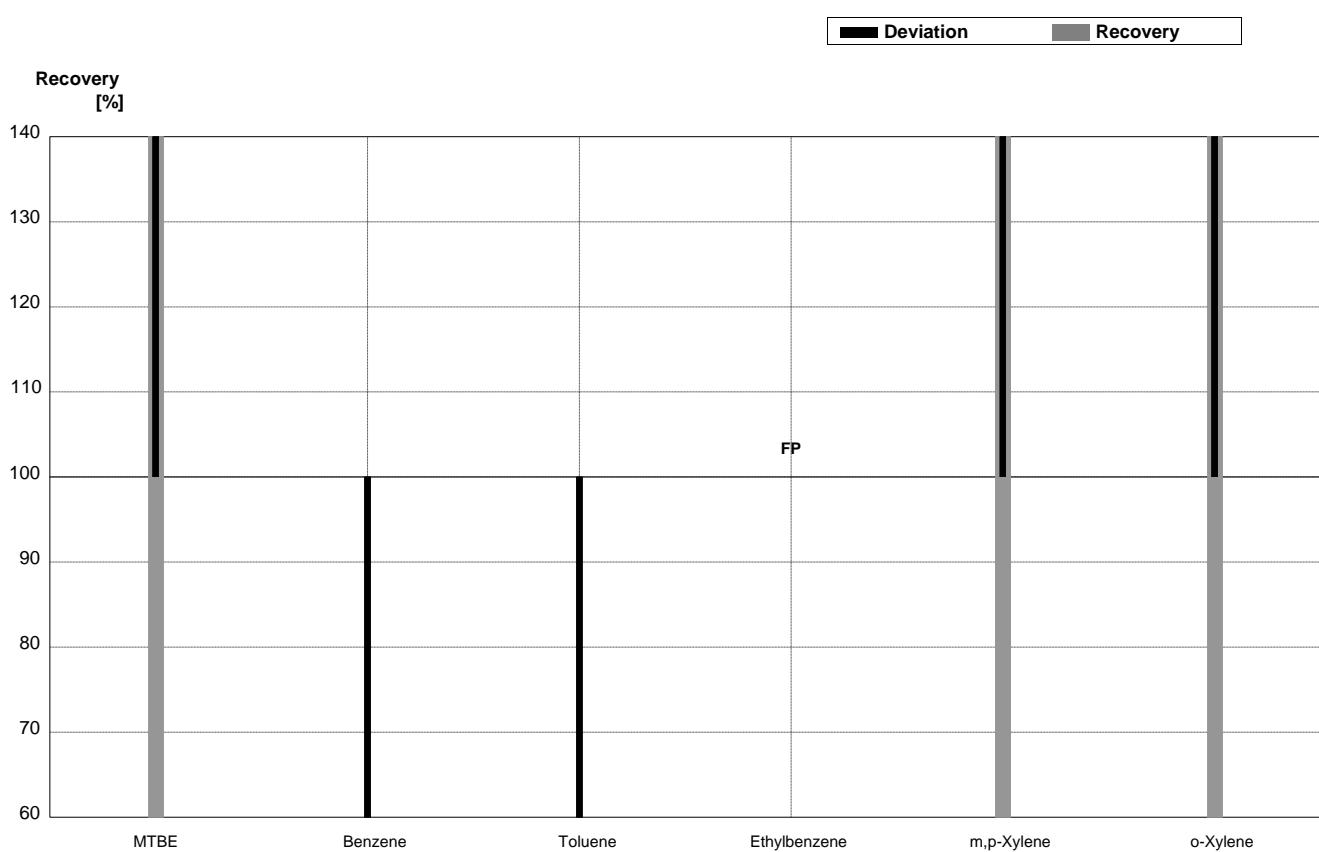
**Sample C-CB08B**  
**Laboratory A**

Parameter	Target value	$\pm U$ ( $k=2$ )	Result	$\pm$	Unit	Recovery
Trichloroethene	1,70	0,09	1,58	0,169	$\mu\text{g/l}$	93%
Tetrachloroethene	1,23	0,07	1,05	0,144	$\mu\text{g/l}$	85%
1,1,1-Trichloroethane	<0,1		<0,100		$\mu\text{g/l}$	•
Trichloromethane	2,22	0,12	2,27	0,181	$\mu\text{g/l}$	102%
Tetrachloromethane	0,65	0,05	0,735	0,056	$\mu\text{g/l}$	113%
1,1-Dichloroethene	<0,2		<0,100		$\mu\text{g/l}$	•
Tribromomethane	<0,1		<0,100		$\mu\text{g/l}$	•
Bromodichloromethane	1,89	0,10	2,16	0,274	$\mu\text{g/l}$	114%
Dibromochloromethane	1,84	0,10	1,87	0,232	$\mu\text{g/l}$	102%
Dichloromethane	2,18	0,13	2,55	0,249	$\mu\text{g/l}$	117%
1,2-Dichloroethane	0,95	0,05	0,962	0,086	$\mu\text{g/l}$	101%
cis-1,2-Dichloroethene	1,69	0,09	1,70	0,218	$\mu\text{g/l}$	101%
trans-1,2-Dichloroethene	0,51	0,04	0,612	0,087	$\mu\text{g/l}$	120%



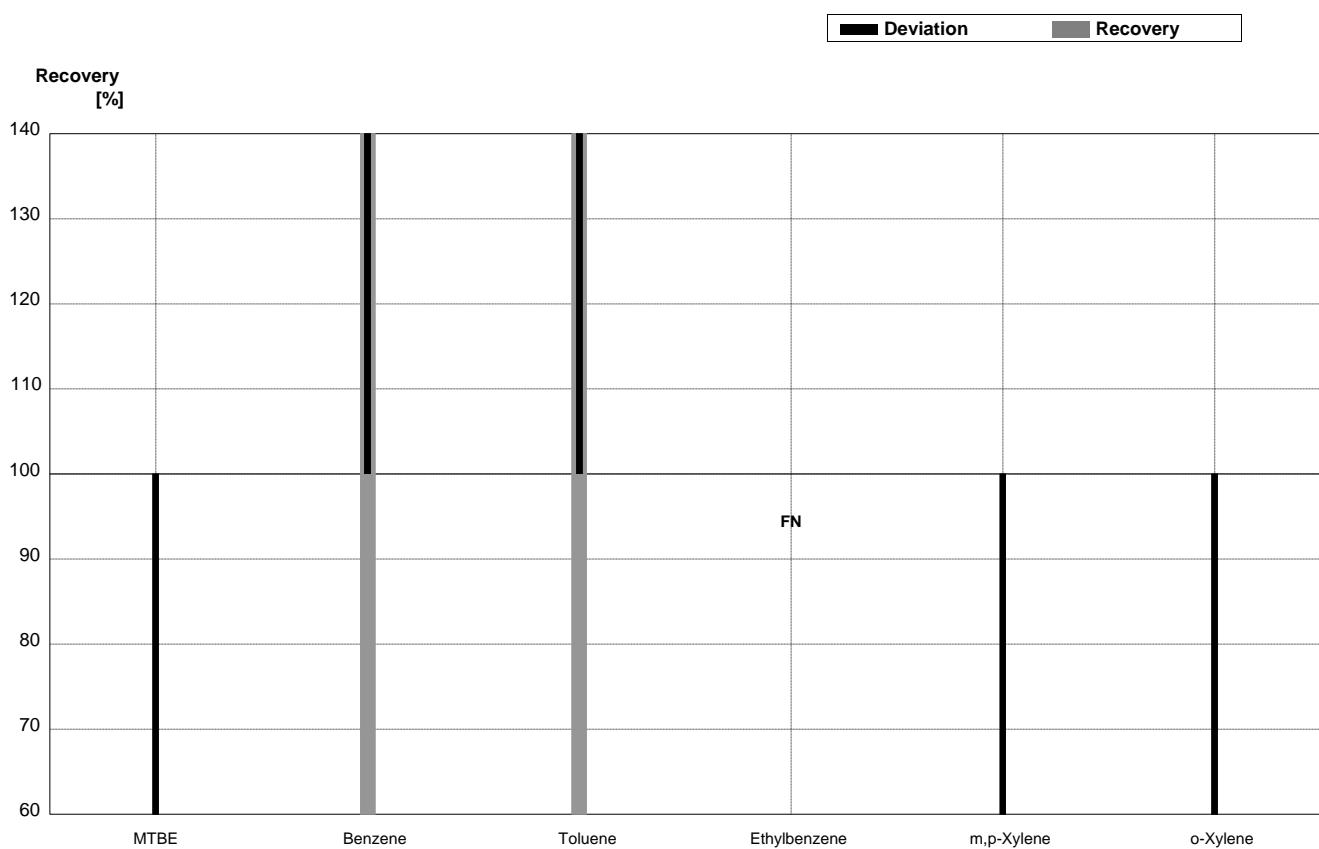
**Sample      B-CB08A**  
**Laboratory B**

Parameter	Target value	$\pm U$ ( $k=2$ )	Result	$\pm$	Unit	Recovery
MTBE	0,51	0,08	1,66	0,33	$\mu\text{g/L}$	325%
Benzene	4,34	0,23	0,96	0,19	$\mu\text{g/L}$	22%
Toluene	4,74	0,26	2,17	0,43	$\mu\text{g/L}$	46%
Ethylbenzene	<0,1		1,66	0,33	$\mu\text{g/L}$	FP
m,p-Xylene	1,52	0,17	3,60	0,72	$\mu\text{g/L}$	237%
o-Xylene	0,96	0,12	4,53	0,91	$\mu\text{g/L}$	472%



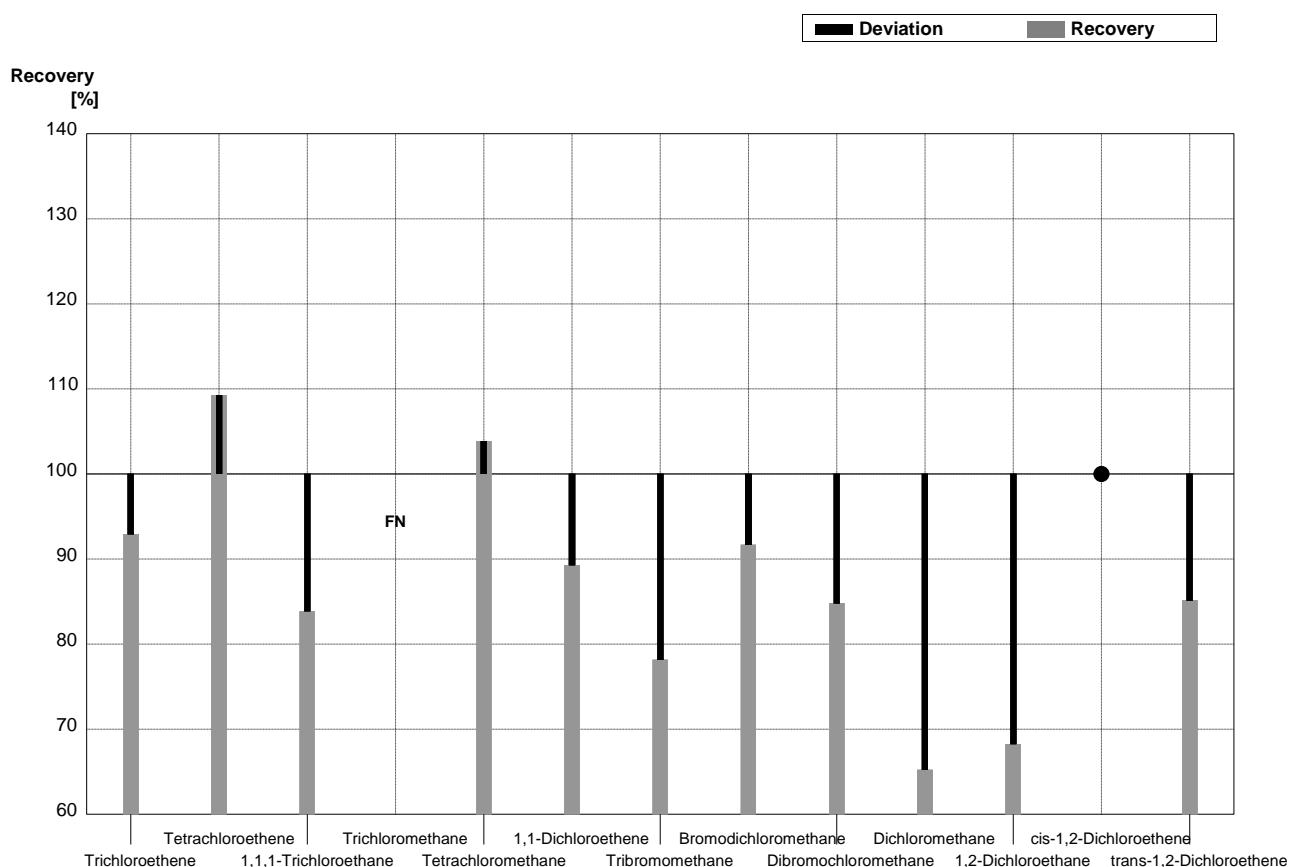
**Sample B-CB08B**  
**Laboratory B**

Parameter	Target value	$\pm U$ ( $k=2$ )	Result	$\pm$	Unit	Recovery
MTBE	2,28	0,14	0,430	0,09	$\mu\text{g/L}$	19%
Benzene	1,16	0,08	3,79	0,76	$\mu\text{g/L}$	327%
Toluene	2,40	0,15	5,03	0,10	$\mu\text{g/L}$	210%
Ethylbenzene	2,12	0,15	<0,100		$\mu\text{g/L}$	FN
m,p-Xylene	5,10	0,30	0,995	0,2	$\mu\text{g/L}$	20%
o-Xylene	5,51	0,30	0,76	0,15	$\mu\text{g/L}$	14%



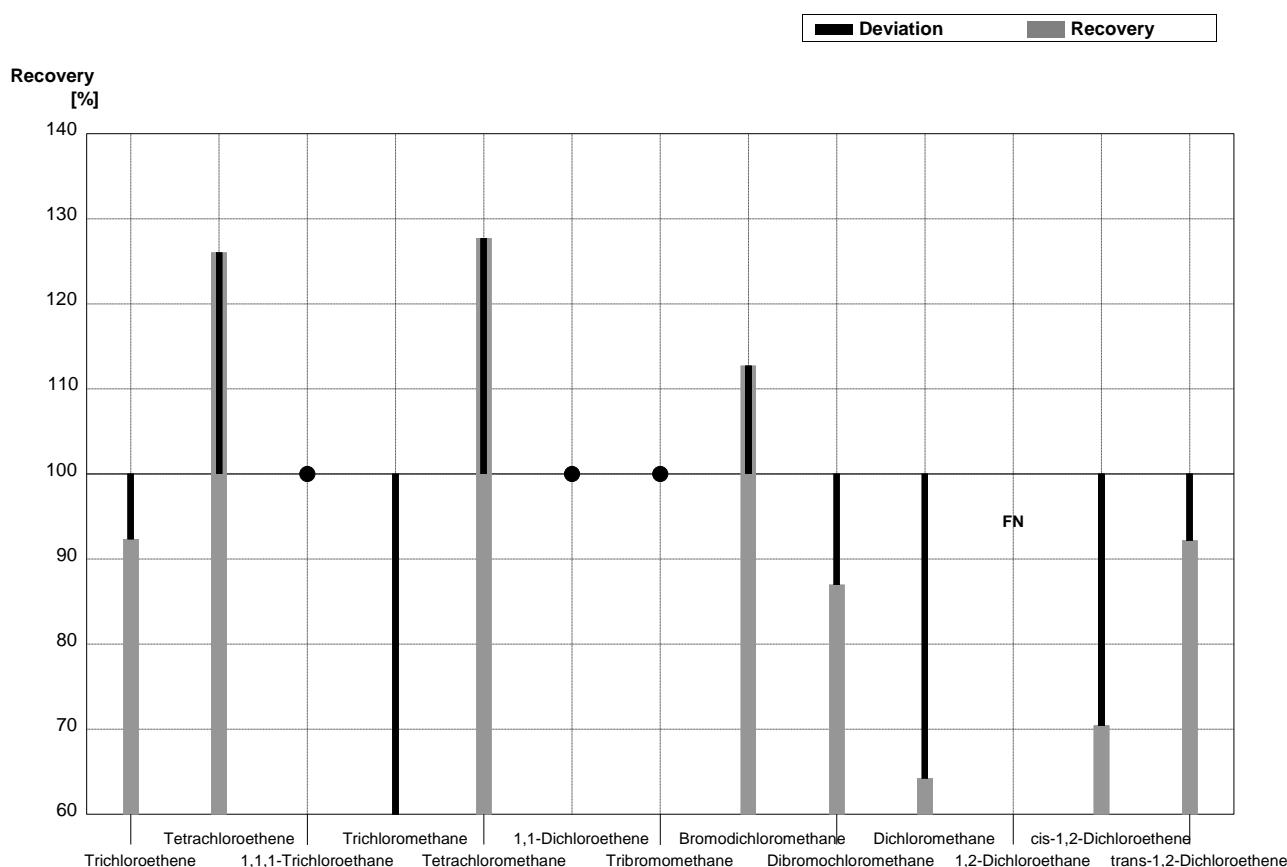
**Sample C-CB08A**  
**Laboratory B**

Parameter	Target value	$\pm U$ ( $k=2$ )	Result	$\pm$	Unit	Recovery
Trichloroethene	1,13	0,07	1,05	0,21	$\mu\text{g/l}$	93%
Tetrachloroethene	0,412	0,035	0,450	0,10	$\mu\text{g/l}$	109%
1,1,1-Trichloroethane	1,24	0,07	1,04	0,21	$\mu\text{g/l}$	84%
Trichloromethane	1,36	0,07	<0,100		$\mu\text{g/l}$	FN
Tetrachloromethane	1,57	0,09	1,630	0,33	$\mu\text{g/l}$	104%
1,1-Dichloroethene	1,96	0,11	1,75	0,35	$\mu\text{g/l}$	89%
Tribromomethane	1,51	0,11	1,18	0,23	$\mu\text{g/l}$	78%
Bromodichloromethane	0,96	0,06	0,88	0,18	$\mu\text{g/l}$	92%
Dibromochloromethane	1,25	0,08	1,06	0,21	$\mu\text{g/l}$	85%
Dichloromethane	0,92	0,09	0,60	0,12	$\mu\text{g/l}$	65%
1,2-Dichloroethane	2,11	0,11	1,44	0,29	$\mu\text{g/l}$	68%
cis-1,2-Dichloroethene	<0,1		<0,1		$\mu\text{g/l}$	•
trans-1,2-Dichloroethene	1,95	0,10	1,66	0,33	$\mu\text{g/l}$	85%



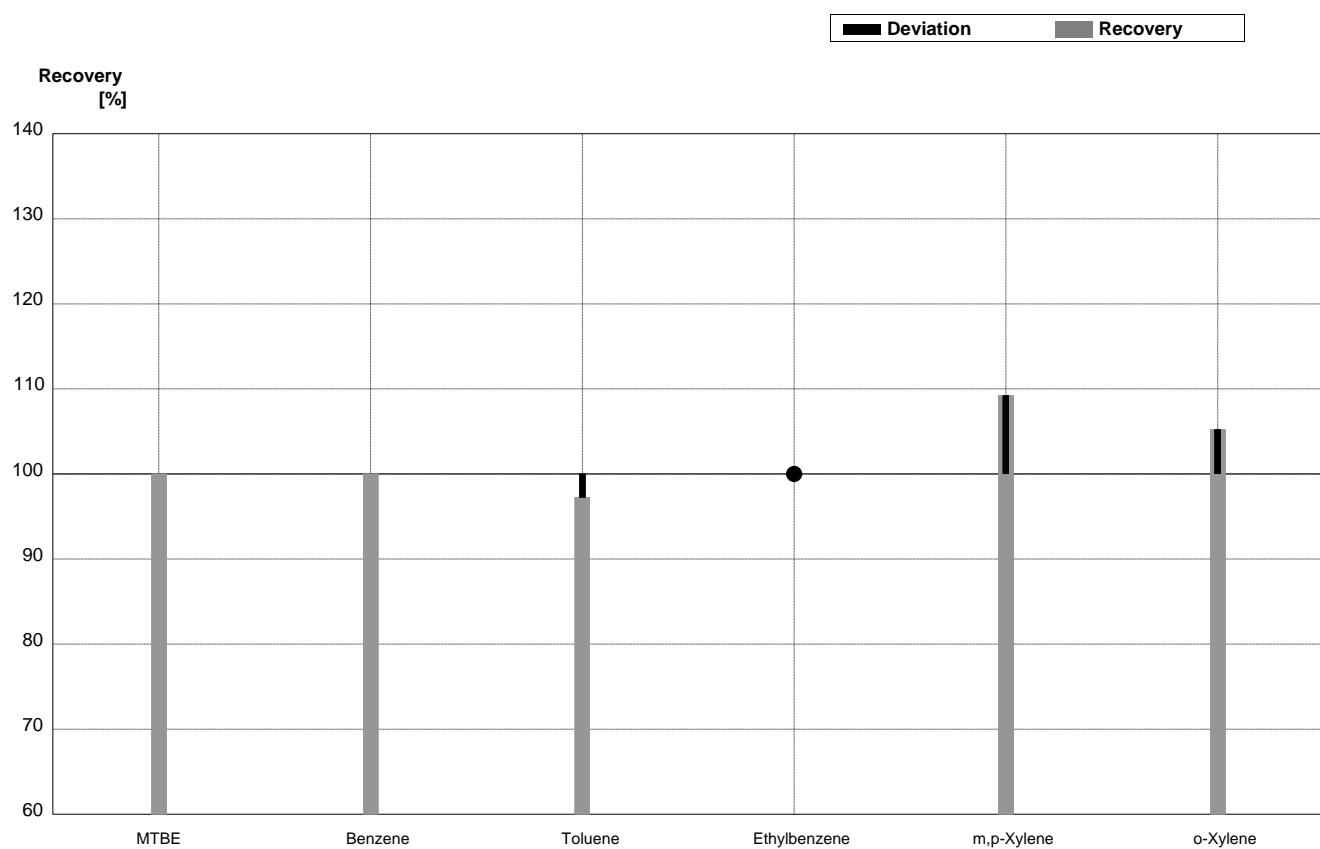
**Sample C-CB08B**  
**Laboratory B**

Parameter	Target value	$\pm U$ ( $k=2$ )	Result	$\pm$	Unit	Recovery
Trichloroethene	1,70	0,09	1,57	0,31	$\mu\text{g/l}$	92%
Tetrachloroethene	1,23	0,07	1,55	0,31	$\mu\text{g/l}$	126%
1,1,1-Trichloroethane	<0,1		<0,1		$\mu\text{g/l}$	•
Trichloromethane	2,22	0,12	0,90	0,18	$\mu\text{g/l}$	41%
Tetrachloromethane	0,65	0,05	0,83	0,17	$\mu\text{g/l}$	128%
1,1-Dichloroethene	<0,2		<0,1		$\mu\text{g/l}$	•
Tribromomethane	<0,1		<0,1		$\mu\text{g/l}$	•
Bromodichloromethane	1,89	0,10	2,13	0,43	$\mu\text{g/l}$	113%
Dibromochloromethane	1,84	0,10	1,60	0,32	$\mu\text{g/l}$	87%
Dichloromethane	2,18	0,13	1,40	0,28	$\mu\text{g/l}$	64%
1,2-Dichloroethane	0,95	0,05	<0,1		$\mu\text{g/l}$	FN
cis-1,2-Dichloroethene	1,69	0,09	1,19	0,24	$\mu\text{g/l}$	70%
trans-1,2-Dichloroethene	0,51	0,04	0,470	0,094	$\mu\text{g/l}$	92%



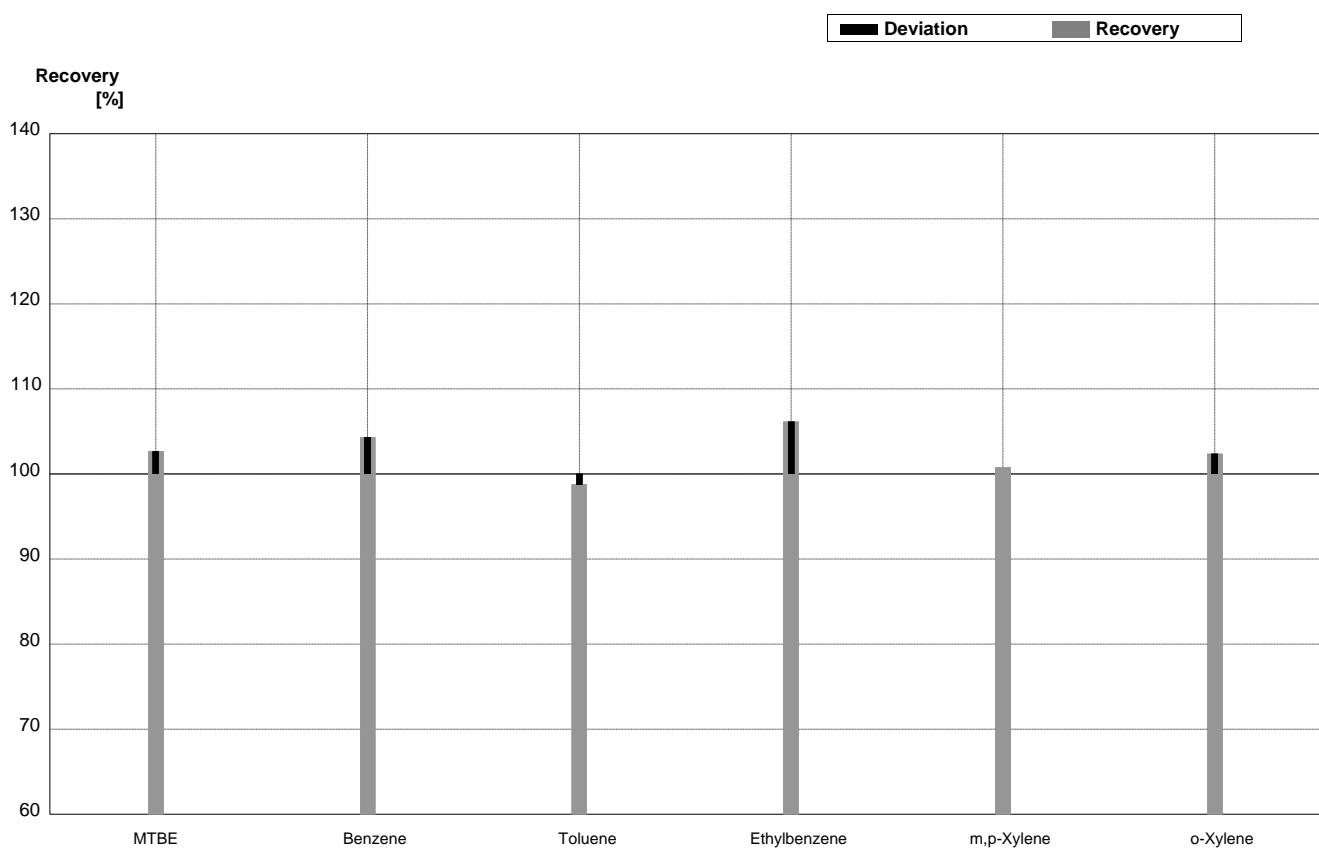
**Sample B-CB08A**  
**Laboratory C**

Parameter	Target value	$\pm U$ ( $k=2$ )	Result	$\pm$	Unit	Recovery
MTBE	0,51	0,08	0,510	0,10	$\mu\text{g/L}$	100%
Benzene	4,34	0,23	4,34	0,87	$\mu\text{g/L}$	100%
Toluene	4,74	0,26	4,61	0,92	$\mu\text{g/L}$	97%
Ethylbenzene	<0,1		<0,050		$\mu\text{g/L}$	•
m,p-Xylene	1,52	0,17	1,66	0,33	$\mu\text{g/L}$	109%
o-Xylene	0,96	0,12	1,01	0,20	$\mu\text{g/L}$	105%



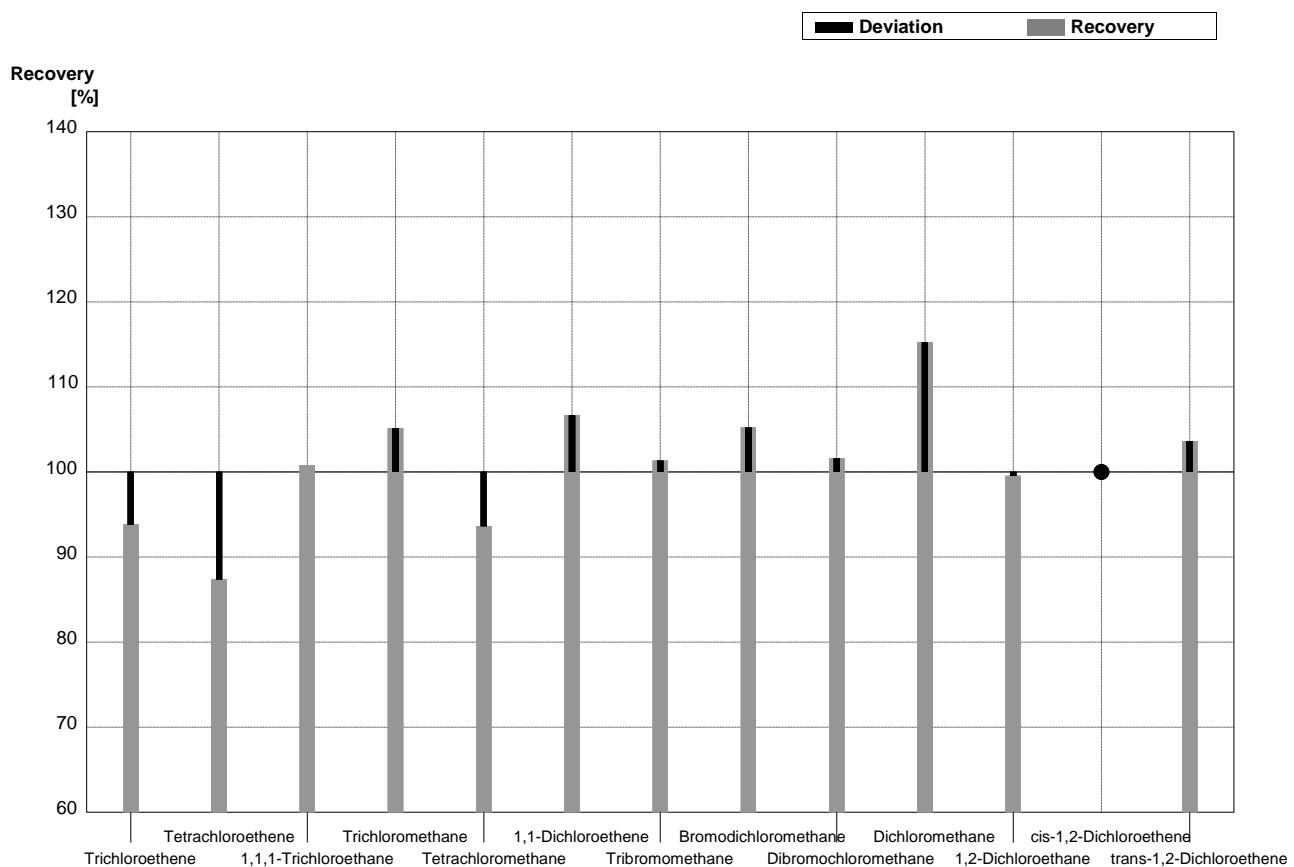
**Sample B-CB08B**  
**Laboratory C**

Parameter	Target value	$\pm U$ ( $k=2$ )	Result	$\pm$	Unit	Recovery
MTBE	2,28	0,14	2,34	0,47	$\mu\text{g/L}$	103%
Benzene	1,16	0,08	1,21	0,24	$\mu\text{g/L}$	104%
Toluene	2,40	0,15	2,37	0,47	$\mu\text{g/L}$	99%
Ethylbenzene	2,12	0,15	2,25	0,45	$\mu\text{g/L}$	106%
m,p-Xylene	5,10	0,30	5,14	1,03	$\mu\text{g/L}$	101%
o-Xylene	5,51	0,30	5,64	1,13	$\mu\text{g/L}$	102%



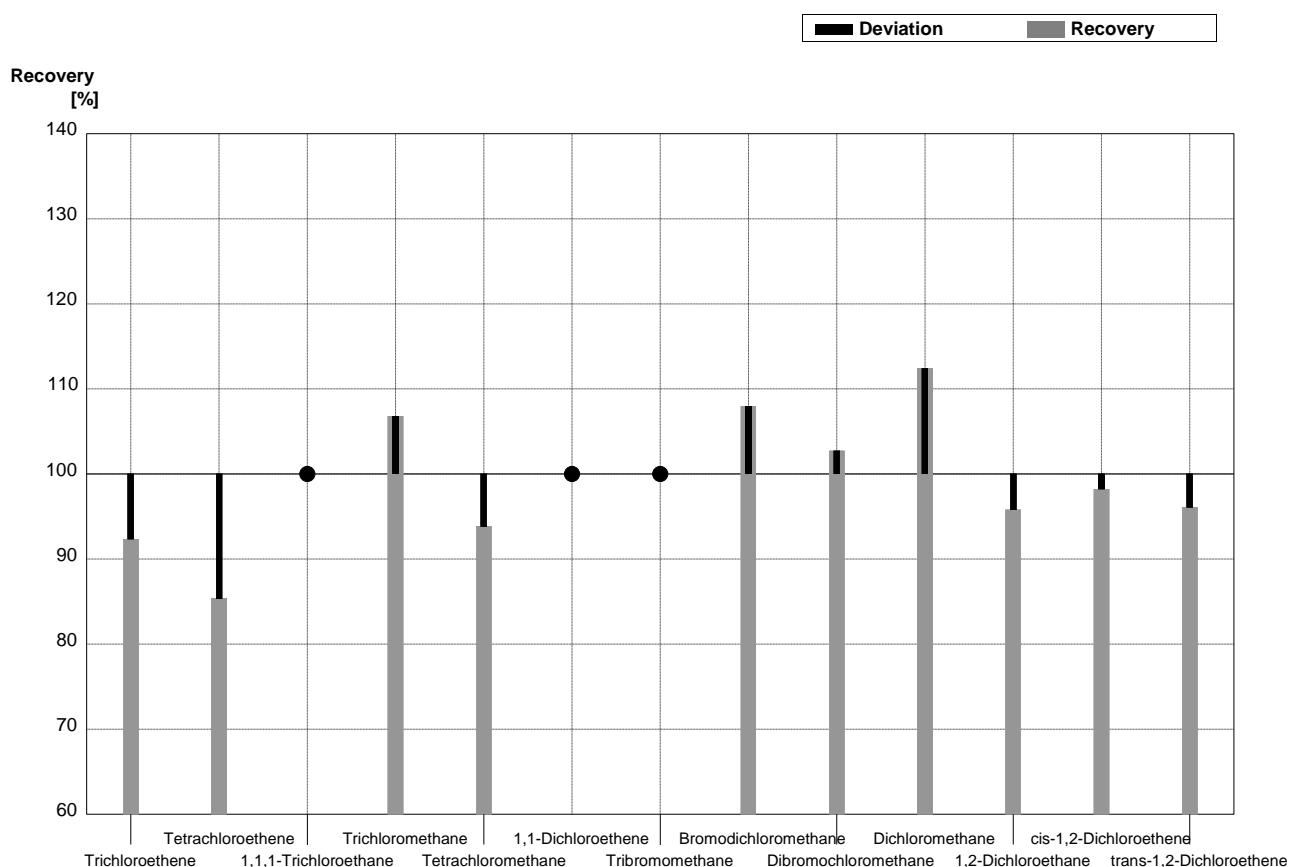
**Sample C-CB08A**  
**Laboratory C**

Parameter	Target value	± U (k=2)	Result	±	Unit	Recovery
Trichloroethene	1,13	0,07	1,06	0,21	µg/l	94%
Tetrachloroethene	0,412	0,035	0,360	0,07	µg/l	87%
1,1,1-Trichloroethane	1,24	0,07	1,25	0,25	µg/l	101%
Trichloromethane	1,36	0,07	1,43	0,29	µg/l	105%
Tetrachloromethane	1,57	0,09	1,47	0,29	µg/l	94%
1,1-Dichloroethene	1,96	0,11	2,09	0,42	µg/l	107%
Tribromomethane	1,51	0,11	1,53	0,31	µg/l	101%
Bromodichloromethane	0,96	0,06	1,01	0,20	µg/l	105%
Dibromochloromethane	1,25	0,08	1,27	0,25	µg/l	102%
Dichloromethane	0,92	0,09	1,06	0,21	µg/l	115%
1,2-Dichloroethane	2,11	0,11	2,10	0,42	µg/l	100%
cis-1,2-Dichloroethene	<0,1		<0,05		µg/l	•
trans-1,2-Dichloroethene	1,95	0,10	2,02	0,40	µg/l	104%



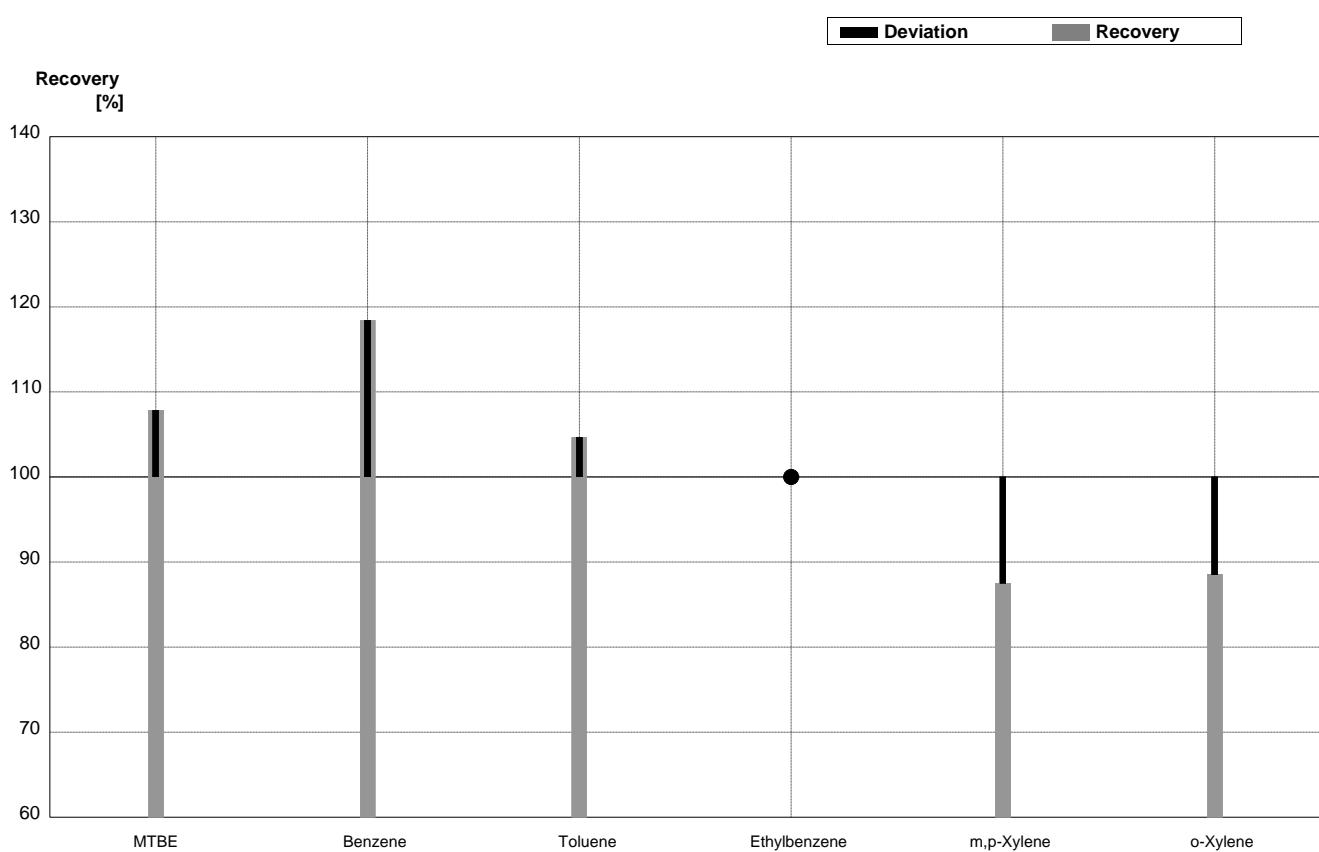
**Sample C-CB08B**  
**Laboratory C**

Parameter	Target value	$\pm U$ ( $k=2$ )	Result	$\pm$	Unit	Recovery
Trichloroethene	1,70	0,09	1,57	0,31	$\mu\text{g/l}$	92%
Tetrachloroethene	1,23	0,07	1,05	0,21	$\mu\text{g/l}$	85%
1,1,1-Trichloroethane	<0,1		<0,05		$\mu\text{g/l}$	•
Trichloromethane	2,22	0,12	2,37	0,47	$\mu\text{g/l}$	107%
Tetrachloromethane	0,65	0,05	0,61	0,12	$\mu\text{g/l}$	94%
1,1-Dichloroethene	<0,2		<0,05		$\mu\text{g/l}$	•
Tribromomethane	<0,1		<0,05		$\mu\text{g/l}$	•
Bromodichloromethane	1,89	0,10	2,04	0,41	$\mu\text{g/l}$	108%
Dibromochloromethane	1,84	0,10	1,89	0,38	$\mu\text{g/l}$	103%
Dichloromethane	2,18	0,13	2,45	0,49	$\mu\text{g/l}$	112%
1,2-Dichloroethane	0,95	0,05	0,91	0,18	$\mu\text{g/l}$	96%
cis-1,2-Dichloroethene	1,69	0,09	1,66	0,33	$\mu\text{g/l}$	98%
trans-1,2-Dichloroethene	0,51	0,04	0,490	0,10	$\mu\text{g/l}$	96%



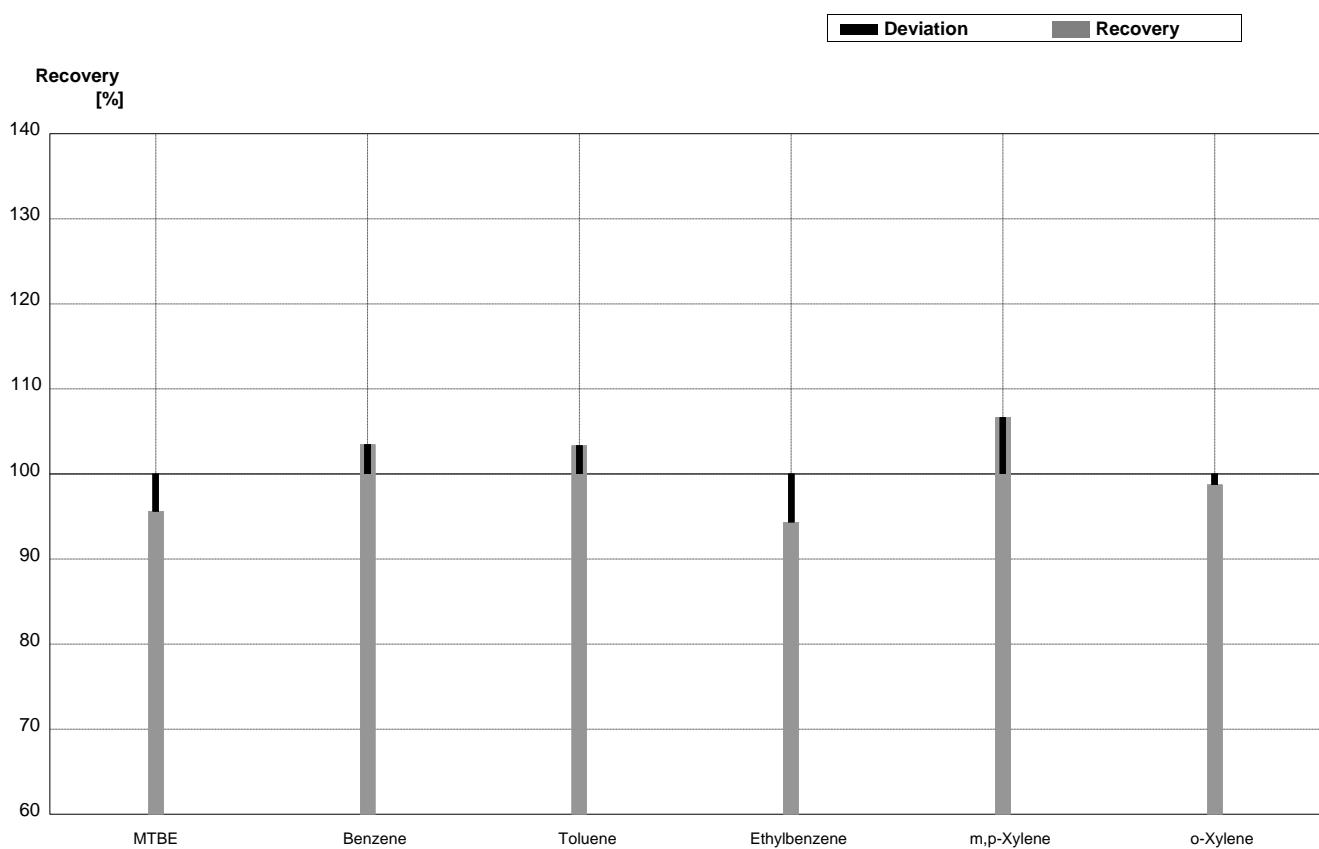
**Sample B-CB08A**  
**Laboratory D**

Parameter	Target value	$\pm U$ ( $k=2$ )	Result	$\pm$	Unit	Recovery
MTBE	0,51	0,08	0,55	0,14	$\mu\text{g/L}$	108%
Benzene	4,34	0,23	5,14	1,34	$\mu\text{g/L}$	118%
Toluene	4,74	0,26	4,96	0,84	$\mu\text{g/L}$	105%
Ethylbenzene	<0,1		<0,2		$\mu\text{g/L}$	•
m,p-Xylene	1,52	0,17	1,33	0,33	$\mu\text{g/L}$	88%
o-Xylene	0,96	0,12	0,85	0,22	$\mu\text{g/L}$	89%



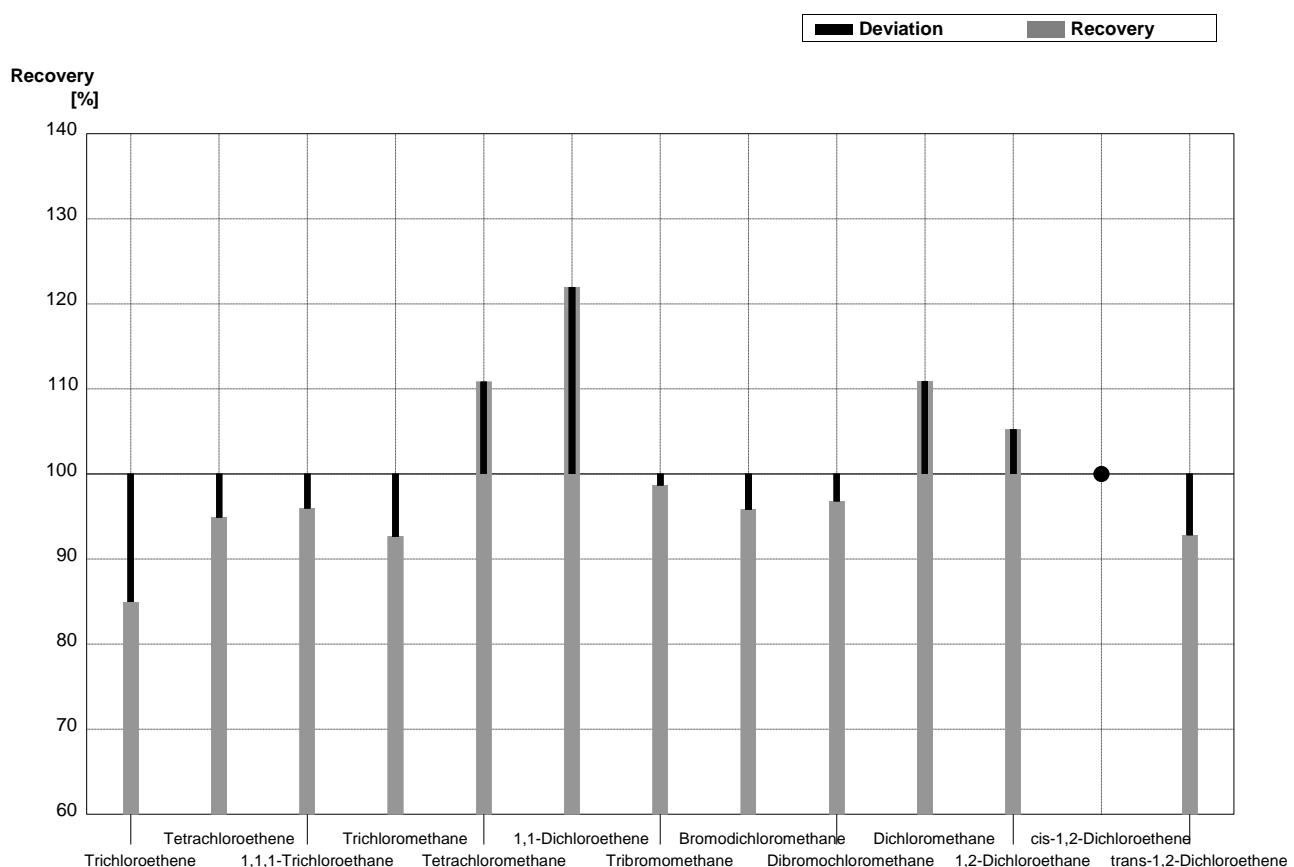
**Sample      B-CB08B**  
**Laboratory D**

Parameter	Target value	$\pm U$ ( $k=2$ )	Result	$\pm$	Unit	Recovery
MTBE	2,28	0,14	2,18	0,57	$\mu\text{g/L}$	96%
Benzene	1,16	0,08	1,20	0,31	$\mu\text{g/L}$	103%
Toluene	2,40	0,15	2,48	0,42	$\mu\text{g/L}$	103%
Ethylbenzene	2,12	0,15	2,00	0,50	$\mu\text{g/L}$	94%
m,p-Xylene	5,10	0,30	5,44	1,36	$\mu\text{g/L}$	107%
o-Xylene	5,51	0,30	5,44	1,41	$\mu\text{g/L}$	99%



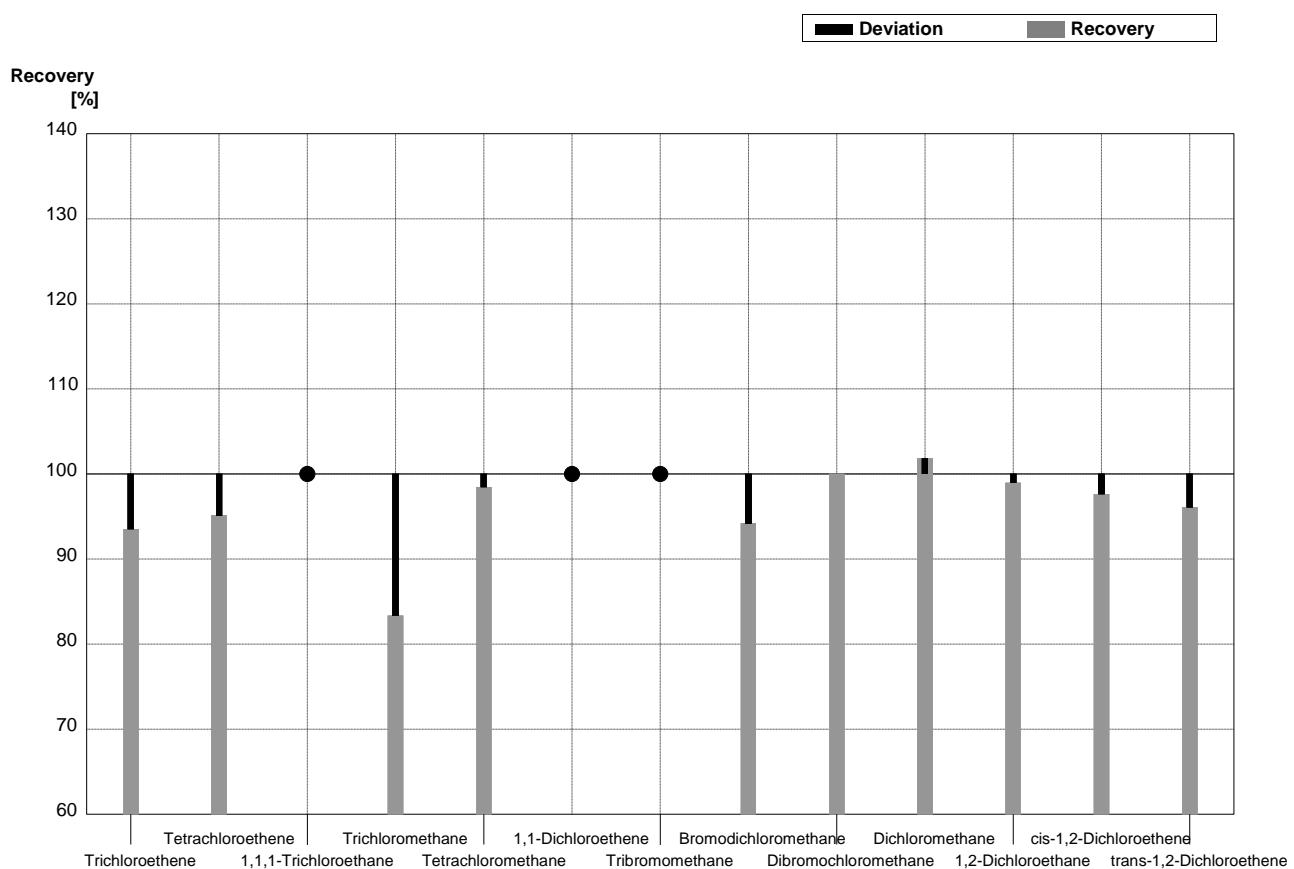
**Sample C-CB08A**  
**Laboratory D**

Parameter	Target value	$\pm U$ ( $k=2$ )	Result	$\pm$	Unit	Recovery
Trichloroethene	1,13	0,07	0,96	0,28	$\mu\text{g/l}$	85%
Tetrachloroethene	0,412	0,035	0,391	0,10	$\mu\text{g/l}$	95%
1,1,1-Trichloroethane	1,24	0,07	1,19	0,36	$\mu\text{g/l}$	96%
Trichloromethane	1,36	0,07	1,26	0,29	$\mu\text{g/l}$	93%
Tetrachloromethane	1,57	0,09	1,74	0,52	$\mu\text{g/l}$	111%
1,1-Dichloroethene	1,96	0,11	2,39	0,72	$\mu\text{g/l}$	122%
Tribromomethane	1,51	0,11	1,49	0,46	$\mu\text{g/l}$	99%
Bromodichloromethane	0,96	0,06	0,92	0,23	$\mu\text{g/l}$	96%
Dibromochloromethane	1,25	0,08	1,21	0,28	$\mu\text{g/l}$	97%
Dichloromethane	0,92	0,09	1,02	0,31	$\mu\text{g/l}$	111%
1,2-Dichloroethane	2,11	0,11	2,22	0,36	$\mu\text{g/l}$	105%
cis-1,2-Dichloroethene	<0,1		<0,5		$\mu\text{g/l}$	•
trans-1,2-Dichloroethene	1,95	0,10	1,81	0,54	$\mu\text{g/l}$	93%



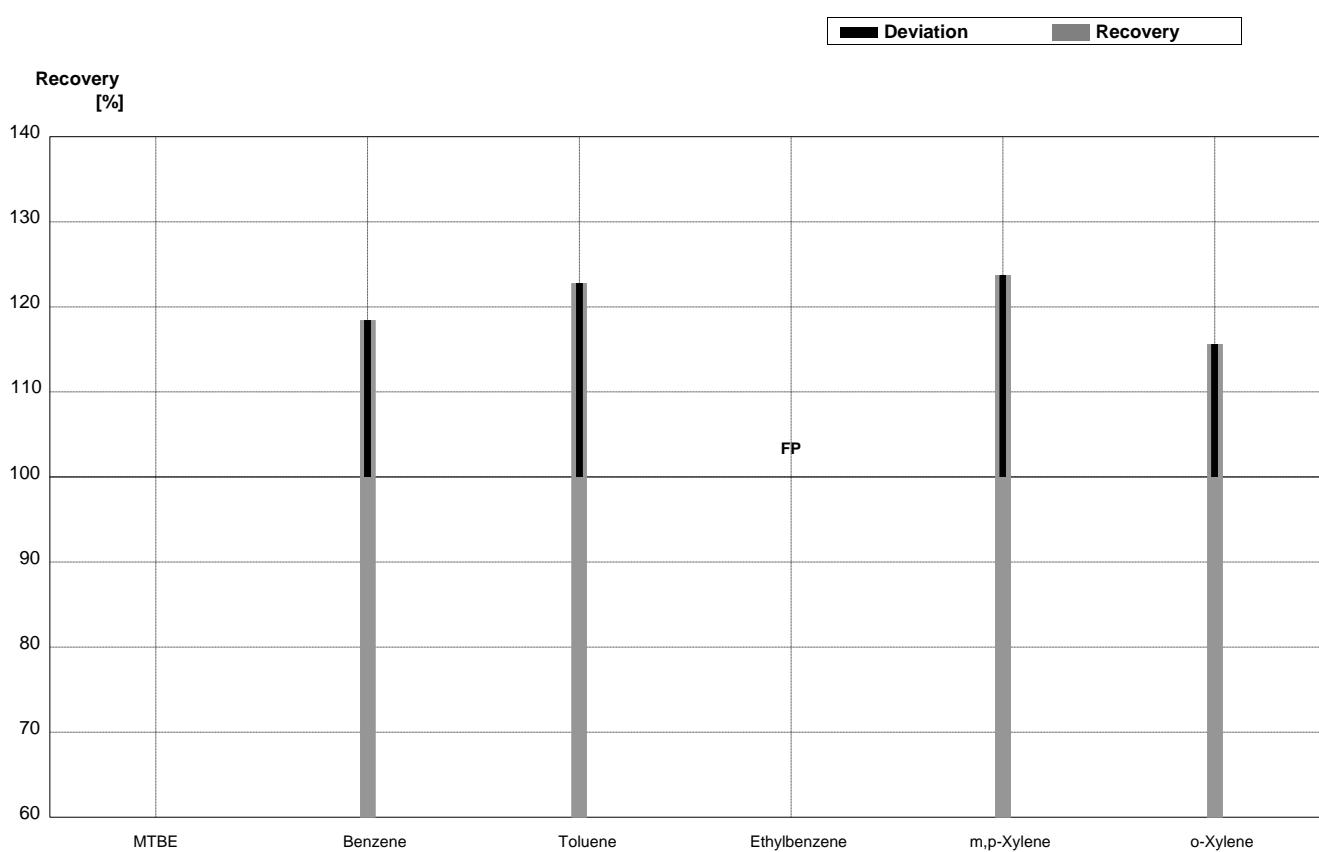
**Sample C-CB08B**  
**Laboratory D**

Parameter	Target value	$\pm U$ ( $k=2$ )	Result	$\pm$	Unit	Recovery
Trichloroethene	1,70	0,09	1,59	0,46	$\mu\text{g/l}$	94%
Tetrachloroethene	1,23	0,07	1,17	0,29	$\mu\text{g/l}$	95%
1,1,1-Trichloroethane	<0,1		<0,5		$\mu\text{g/l}$	•
Trichloromethane	2,22	0,12	1,85	0,43	$\mu\text{g/l}$	83%
Tetrachloromethane	0,65	0,05	0,64	0,19	$\mu\text{g/l}$	98%
1,1-Dichloroethene	<0,2		<0,5		$\mu\text{g/l}$	•
Tribromomethane	<0,1		<0,5		$\mu\text{g/l}$	•
Bromodichloromethane	1,89	0,10	1,78	0,45	$\mu\text{g/l}$	94%
Dibromochloromethane	1,84	0,10	1,84	0,42	$\mu\text{g/l}$	100%
Dichloromethane	2,18	0,13	2,22	0,67	$\mu\text{g/l}$	102%
1,2-Dichloroethane	0,95	0,05	0,94	0,15	$\mu\text{g/l}$	99%
cis-1,2-Dichloroethene	1,69	0,09	1,65	0,50	$\mu\text{g/l}$	98%
trans-1,2-Dichloroethene	0,51	0,04	0,490	0,15	$\mu\text{g/l}$	96%



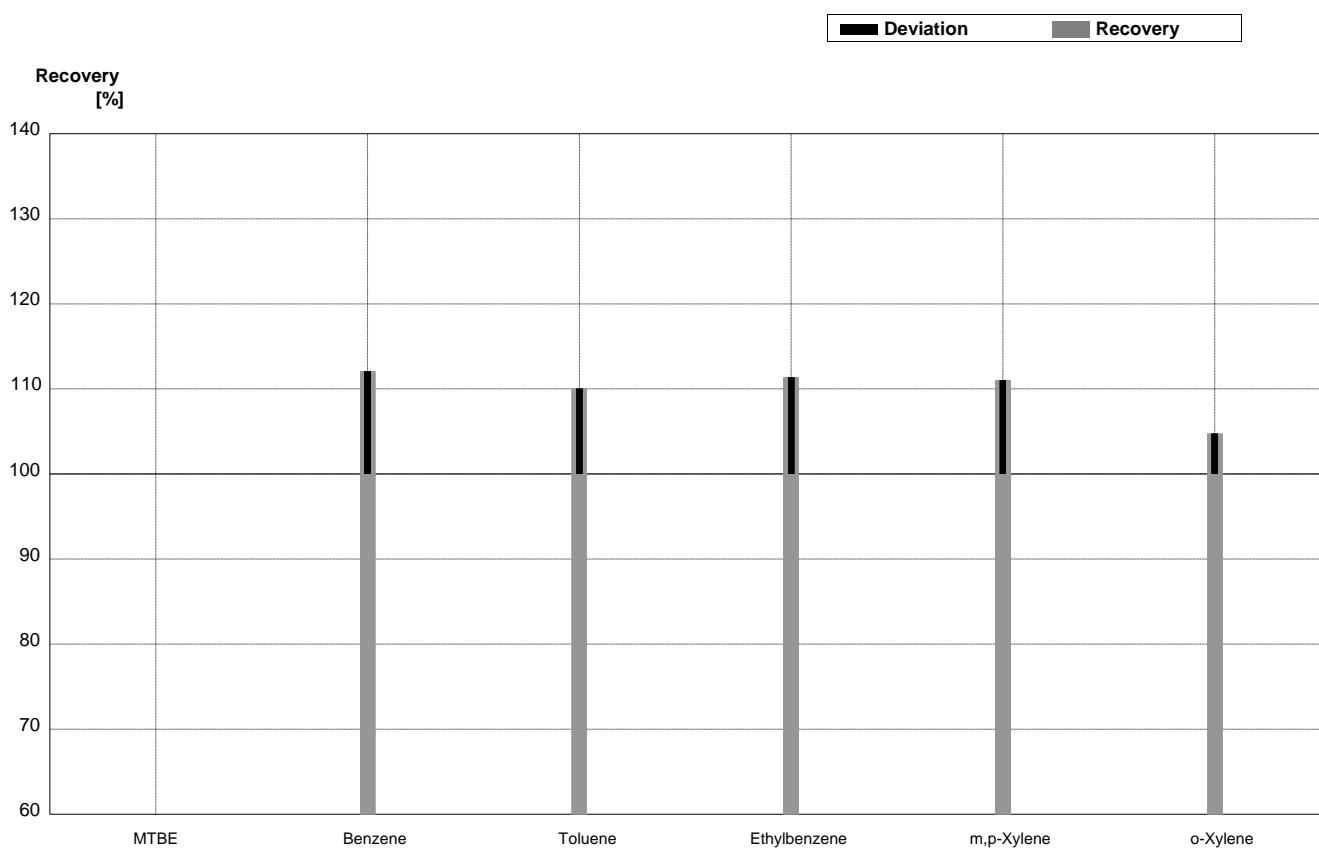
**Sample      B-CB08A**  
**Laboratory E**

Parameter	Target value	$\pm U$ ( $k=2$ )	Result	$\pm$	Unit	Recovery
MTBE	0,51	0,08			$\mu\text{g/L}$	
Benzene	4,34	0,23	5,14	1,03	$\mu\text{g/L}$	118%
Toluene	4,74	0,26	5,82	1,16	$\mu\text{g/L}$	123%
Ethylbenzene	<0,1		0,428	0,09	$\mu\text{g/L}$	FP
m,p-Xylene	1,52	0,17	1,88	0,38	$\mu\text{g/L}$	124%
o-Xylene	0,96	0,12	1,11	0,22	$\mu\text{g/L}$	116%



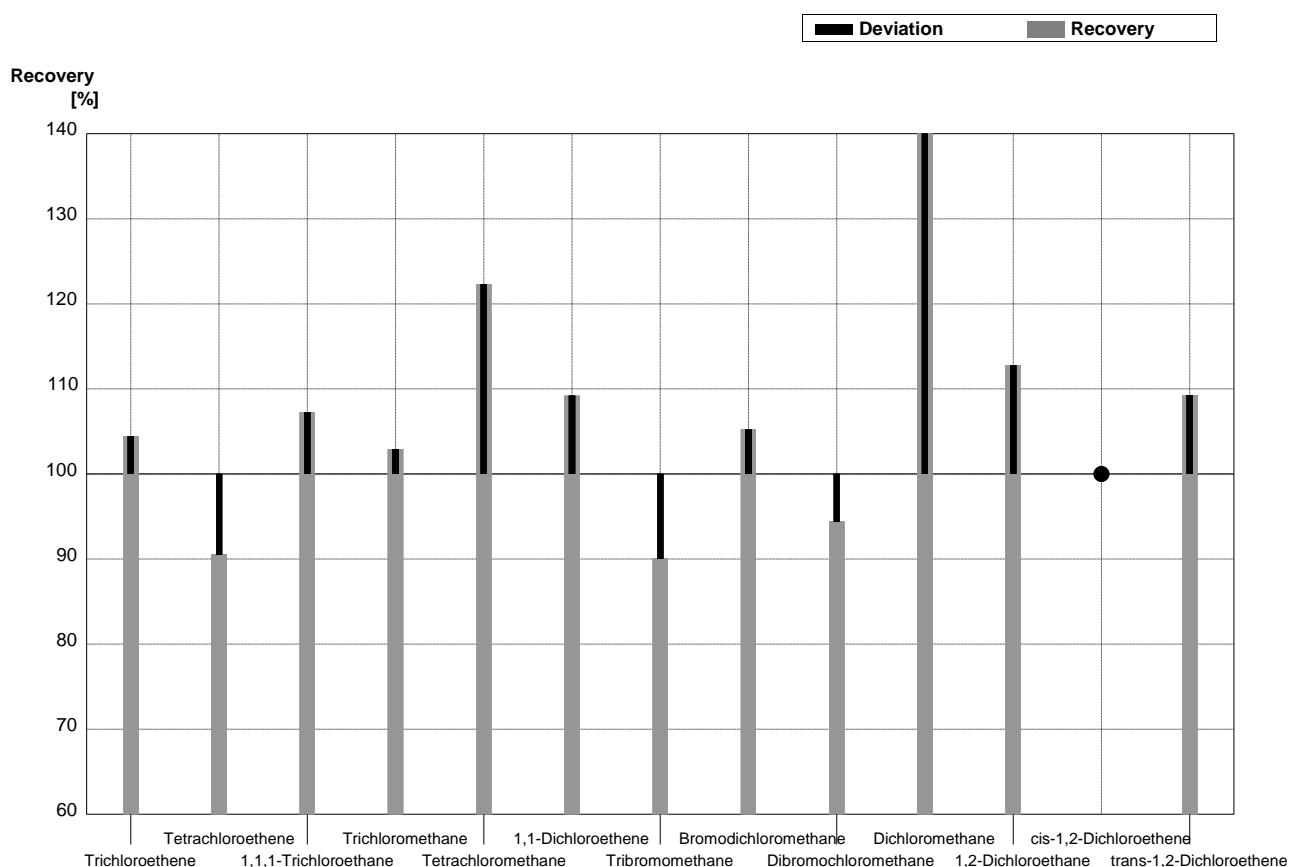
**Sample      B-CB08B**  
**Laboratory E**

Parameter	Target value	$\pm U$ ( $k=2$ )	Result	$\pm$	Unit	Recovery
MTBE	2,28	0,14			$\mu\text{g/L}$	
Benzene	1,16	0,08	1,30	0,26	$\mu\text{g/L}$	112%
Toluene	2,40	0,15	2,64	0,53	$\mu\text{g/L}$	110%
Ethylbenzene	2,12	0,15	2,36	0,47	$\mu\text{g/L}$	111%
m,p-Xylene	5,10	0,30	5,66	1,13	$\mu\text{g/L}$	111%
o-Xylene	5,51	0,30	5,77	1,15	$\mu\text{g/L}$	105%



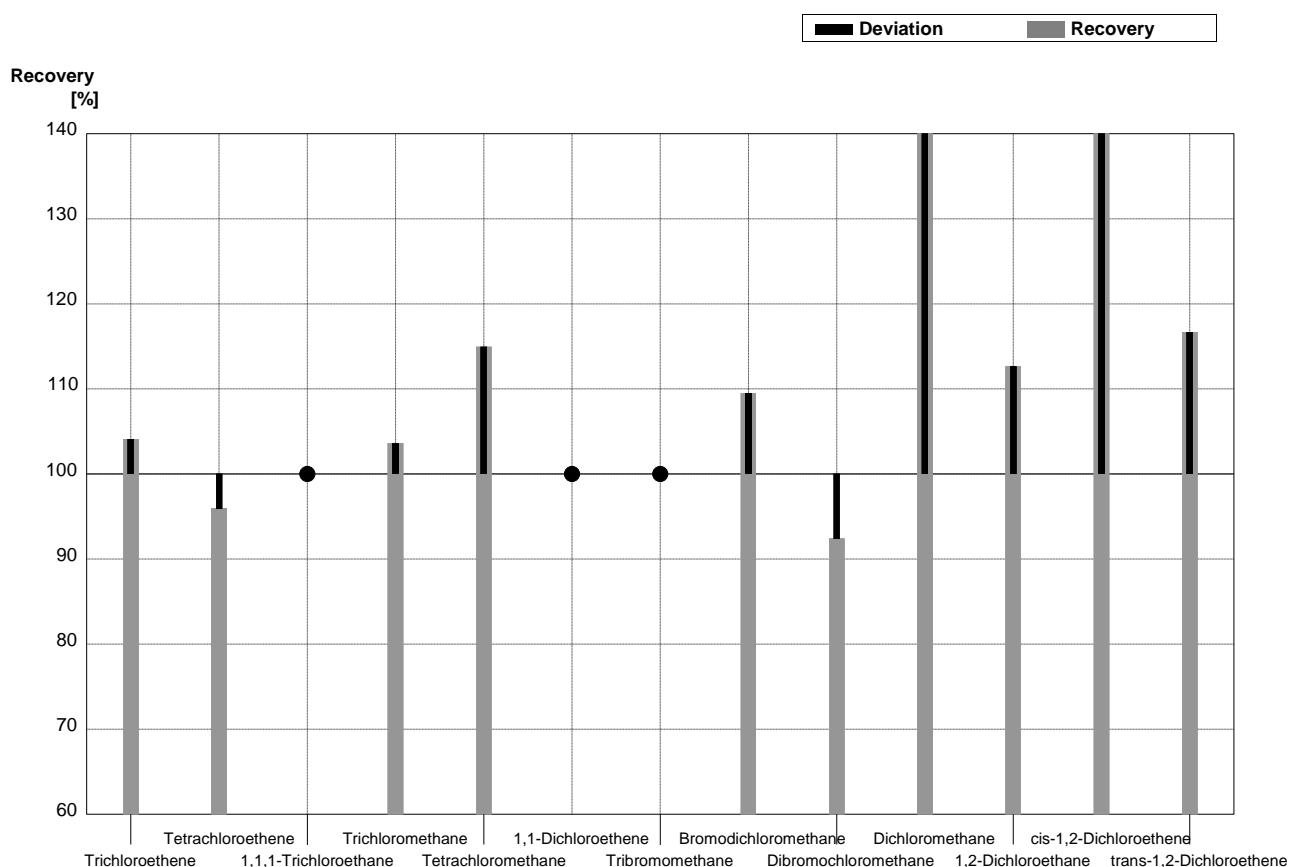
**Sample C-CB08A**  
**Laboratory E**

Parameter	Target value	$\pm U$ ( $k=2$ )	Result	$\pm$	Unit	Recovery
Trichloroethene	1,13	0,07	1,18	0,24	$\mu\text{g/l}$	104%
Tetrachloroethene	0,412	0,035	0,373	0,07	$\mu\text{g/l}$	91%
1,1,1-Trichloroethane	1,24	0,07	1,33	0,27	$\mu\text{g/l}$	107%
Trichloromethane	1,36	0,07	1,40	0,28	$\mu\text{g/l}$	103%
Tetrachloromethane	1,57	0,09	1,92	0,38	$\mu\text{g/l}$	122%
1,1-Dichloroethene	1,96	0,11	2,14	0,43	$\mu\text{g/l}$	109%
Tribromomethane	1,51	0,11	1,36	0,27	$\mu\text{g/l}$	90%
Bromodichloromethane	0,96	0,06	1,01	0,20	$\mu\text{g/l}$	105%
Dibromochloromethane	1,25	0,08	1,18	0,24	$\mu\text{g/l}$	94%
Dichloromethane	0,92	0,09	1,47	0,29	$\mu\text{g/l}$	160%
1,2-Dichloroethane	2,11	0,11	2,38	0,48	$\mu\text{g/l}$	113%
cis-1,2-Dichloroethene	<0,1		<0,08		$\mu\text{g/l}$	•
trans-1,2-Dichloroethene	1,95	0,10	2,13	0,43	$\mu\text{g/l}$	109%



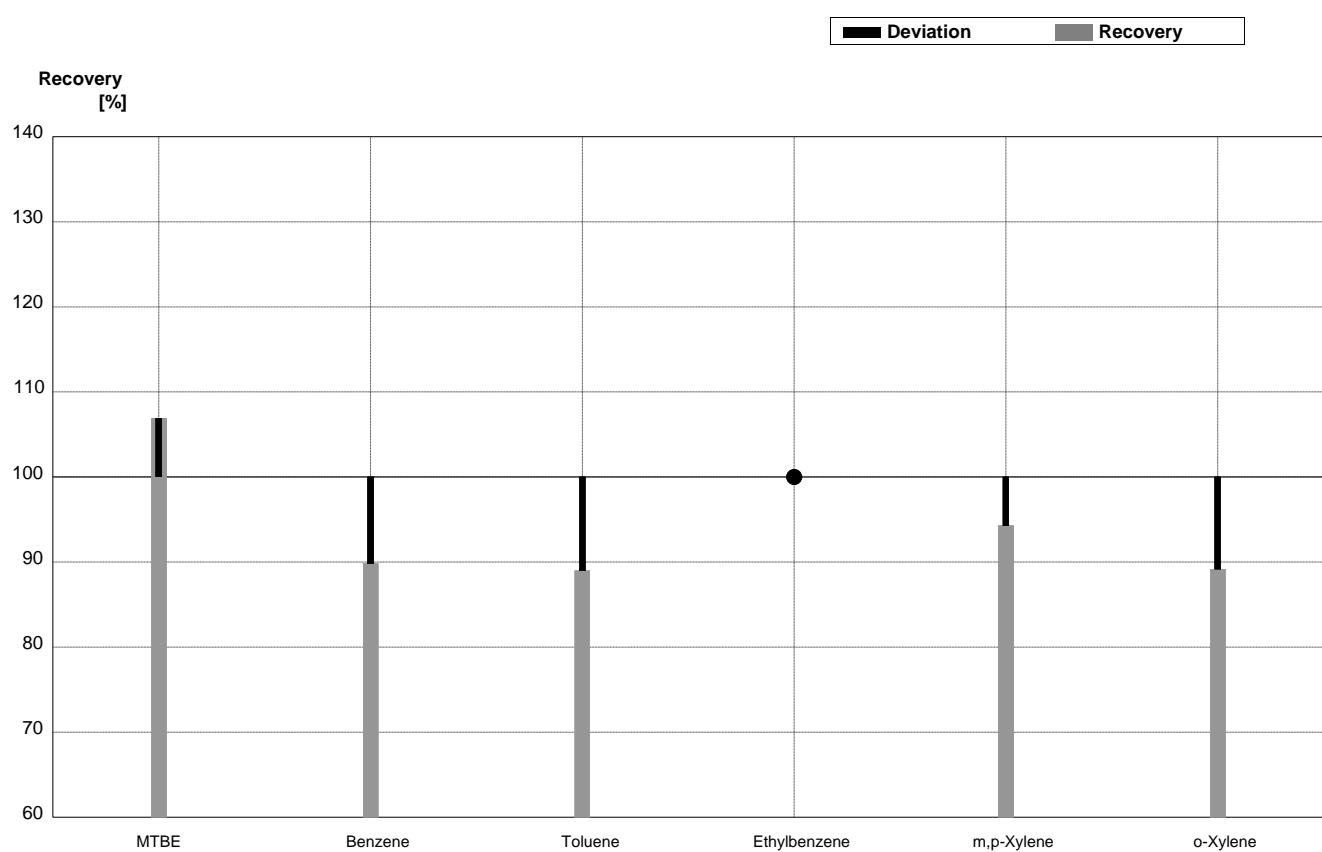
**Sample C-CB08B**  
**Laboratory E**

Parameter	Target value	$\pm U$ ( $k=2$ )	Result	$\pm$	Unit	Recovery
Trichloroethene	1,70	0,09	1,77	0,35	$\mu\text{g/l}$	104%
Tetrachloroethene	1,23	0,07	1,18	0,24	$\mu\text{g/l}$	96%
1,1,1-Trichloroethane	<0,1		<0,08		$\mu\text{g/l}$	•
Trichloromethane	2,22	0,12	2,30	0,46	$\mu\text{g/l}$	104%
Tetrachloromethane	0,65	0,05	0,747	0,15	$\mu\text{g/l}$	115%
1,1-Dichloroethene	<0,2		<0,1		$\mu\text{g/l}$	•
Tribromomethane	<0,1		<0,08		$\mu\text{g/l}$	•
Bromodichloromethane	1,89	0,10	2,07	0,41	$\mu\text{g/l}$	110%
Dibromochloromethane	1,84	0,10	1,70	0,34	$\mu\text{g/l}$	92%
Dichloromethane	2,18	0,13	3,49	0,70	$\mu\text{g/l}$	160%
1,2-Dichloroethane	0,95	0,05	1,07	0,21	$\mu\text{g/l}$	113%
cis-1,2-Dichloroethene	1,69	0,09	184	0,37	$\mu\text{g/l}$	10888%
trans-1,2-Dichloroethene	0,51	0,04	0,595	0,12	$\mu\text{g/l}$	117%



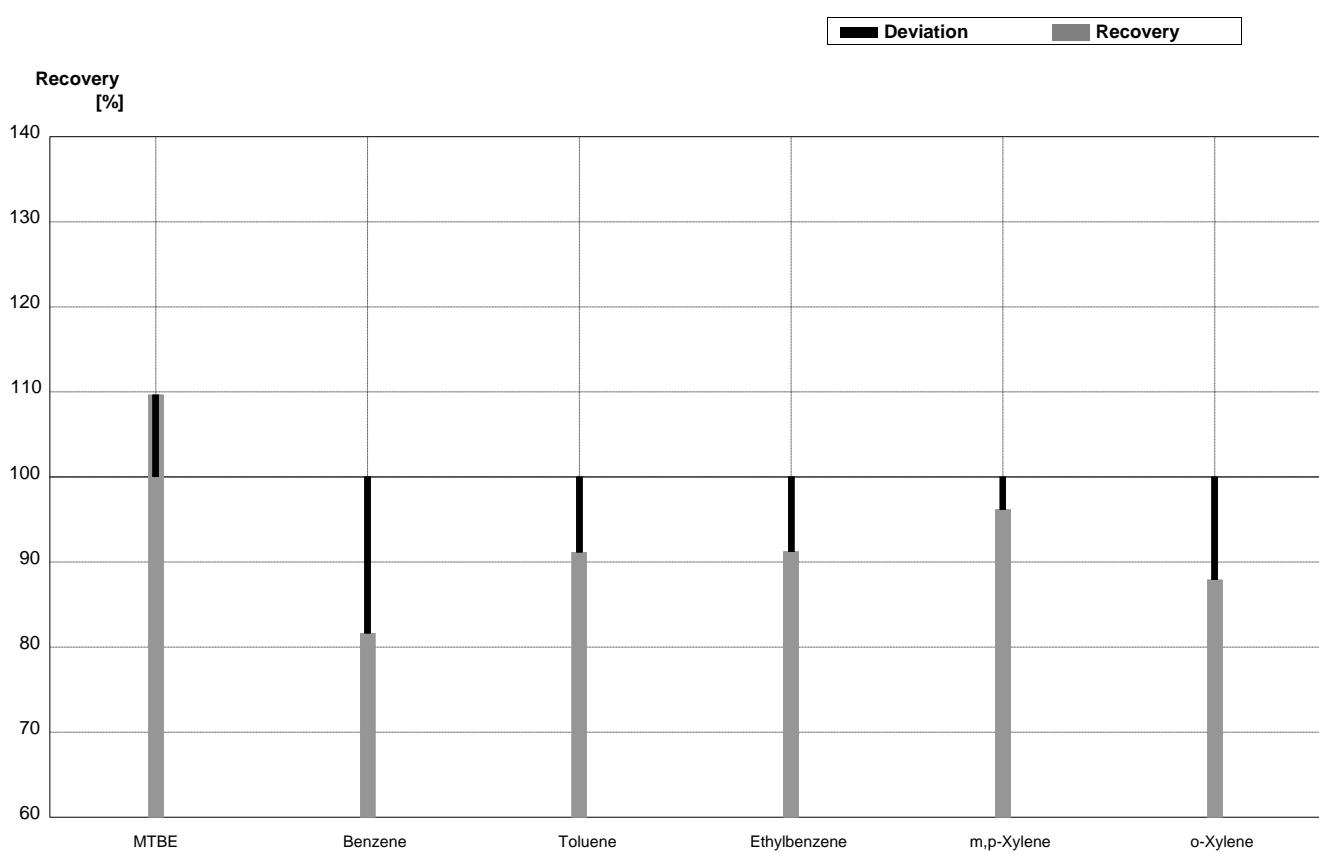
**Sample B-CB08A**  
**Laboratory F**

Parameter	Target value	$\pm U$ ( $k=2$ )	Result	$\pm$	Unit	Recovery
MTBE	0,51	0,08	0,545	0,136	$\mu\text{g/L}$	107%
Benzene	4,34	0,23	3,898	0,975	$\mu\text{g/L}$	90%
Toluene	4,74	0,26	4,218	1,054	$\mu\text{g/L}$	89%
Ethylbenzene	<0,1		<0,050	0,020	$\mu\text{g/L}$	•
m,p-Xylene	1,52	0,17	1,433	0,358	$\mu\text{g/L}$	94%
o-Xylene	0,96	0,12	0,856	0,214	$\mu\text{g/L}$	89%



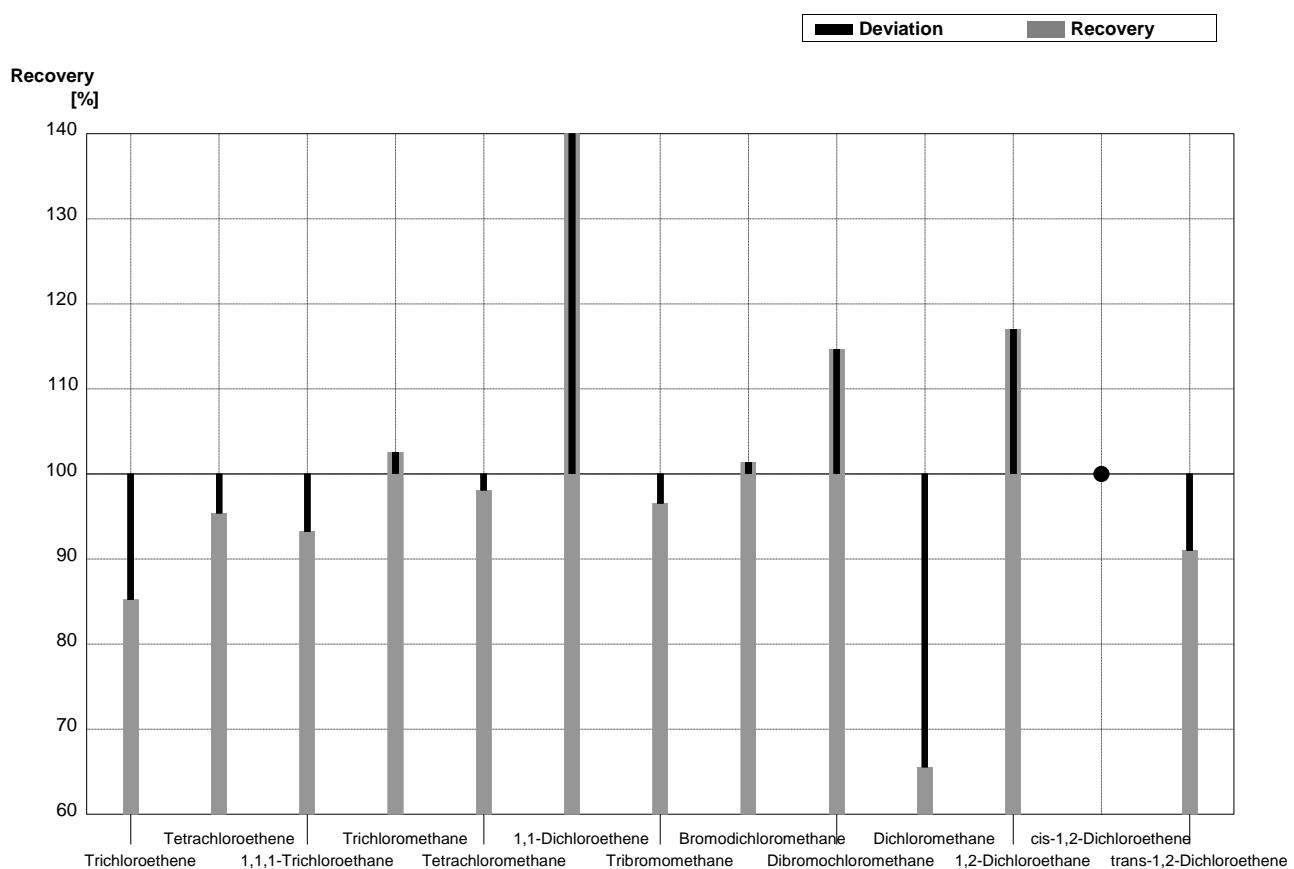
**Sample B-CB08B**  
**Laboratory F**

Parameter	Target value	$\pm U$ ( $k=2$ )	Result	$\pm$	Unit	Recovery
MTBE	2,28	0,14	2,500	0,625	$\mu\text{g/L}$	110%
Benzene	1,16	0,08	0,947	0,237	$\mu\text{g/L}$	82%
Toluene	2,40	0,15	2,188	0,547	$\mu\text{g/L}$	91%
Ethylbenzene	2,12	0,15	1,934	0,484	$\mu\text{g/L}$	91%
m,p-Xylene	5,10	0,30	4,904	1,226	$\mu\text{g/L}$	96%
o-Xylene	5,51	0,30	4,843	1,211	$\mu\text{g/L}$	88%



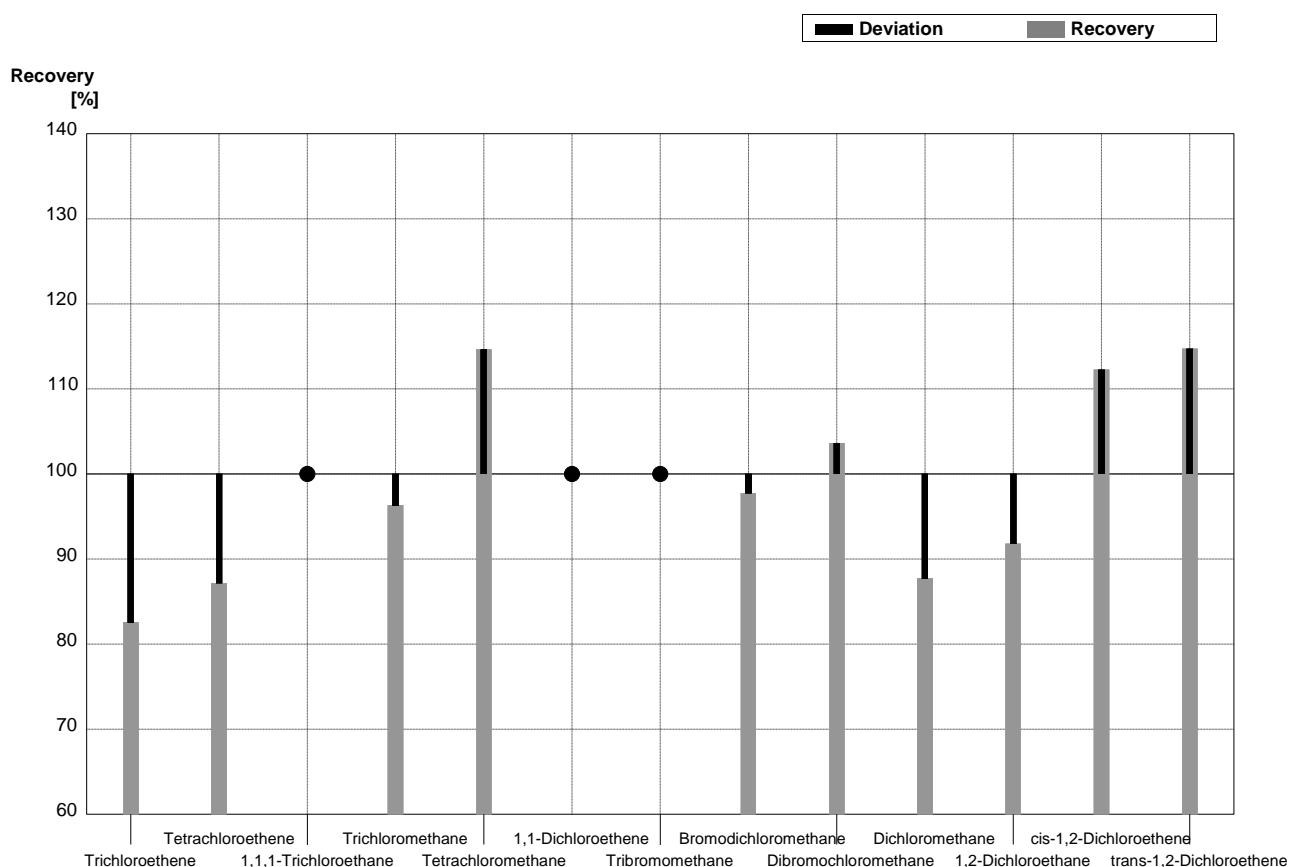
**Sample C-CB08A**  
**Laboratory F**

Parameter	Target value	$\pm U$ ( $k=2$ )	Result	$\pm$	Unit	Recovery
Trichloroethene	1,13	0,07	0,963	0,241	$\mu\text{g/l}$	85%
Tetrachloroethene	0,412	0,035	0,393	0,098	$\mu\text{g/l}$	95%
1,1,1-Trichloroethane	1,24	0,07	1,156	0,289	$\mu\text{g/l}$	93%
Trichloromethane	1,36	0,07	1,395	0,349	$\mu\text{g/l}$	103%
Tetrachloromethane	1,57	0,09	1,540	0,385	$\mu\text{g/l}$	98%
1,1-Dichloroethene	1,96	0,11	2,777	0,694	$\mu\text{g/l}$	142%
Tribromomethane	1,51	0,11	1,458	0,365	$\mu\text{g/l}$	97%
Bromodichloromethane	0,96	0,06	0,973	0,243	$\mu\text{g/l}$	101%
Dibromochloromethane	1,25	0,08	1,433	0,358	$\mu\text{g/l}$	115%
Dichloromethane	0,92	0,09	0,603	0,151	$\mu\text{g/l}$	66%
1,2-Dichloroethane	2,11	0,11	2,469	0,617	$\mu\text{g/l}$	117%
cis-1,2-Dichloroethene	<0,1		<0,050	0,020	$\mu\text{g/l}$	•
trans-1,2-Dichloroethene	1,95	0,10	1,775	0,444	$\mu\text{g/l}$	91%



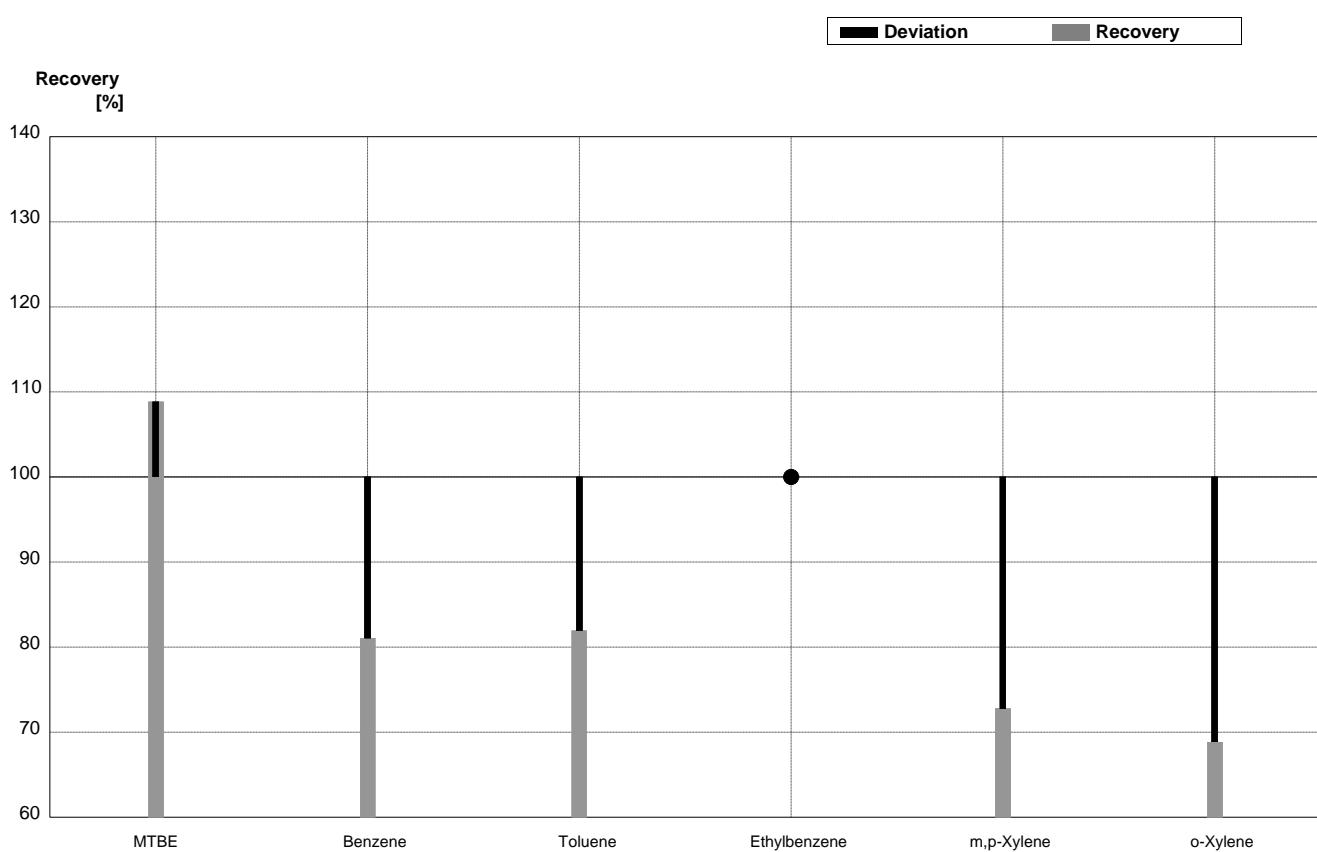
**Sample C-CB08B**  
**Laboratory F**

Parameter	Target value	$\pm U$ ( $k=2$ )	Result	$\pm$	Unit	Recovery
Trichloroethene	1,70	0,09	1,403	0,351	$\mu\text{g/l}$	83%
Tetrachloroethene	1,23	0,07	1,072	0,268	$\mu\text{g/l}$	87%
1,1,1-Trichloroethane	<0,1		<0,050	0,020	$\mu\text{g/l}$	•
Trichloromethane	2,22	0,12	2,138	0,534	$\mu\text{g/l}$	96%
Tetrachloromethane	0,65	0,05	0,745	0,186	$\mu\text{g/l}$	115%
1,1-Dichloroethene	<0,2		<0,050	0,020	$\mu\text{g/l}$	•
Tribromomethane	<0,1		<0,050	0,020	$\mu\text{g/l}$	•
Bromodichloromethane	1,89	0,10	1,847	0,462	$\mu\text{g/l}$	98%
Dibromochloromethane	1,84	0,10	1,907	0,477	$\mu\text{g/l}$	104%
Dichloromethane	2,18	0,13	1,912	0,478	$\mu\text{g/l}$	88%
1,2-Dichloroethane	0,95	0,05	0,872	0,218	$\mu\text{g/l}$	92%
cis-1,2-Dichloroethene	1,69	0,09	1,897	0,474	$\mu\text{g/l}$	112%
trans-1,2-Dichloroethene	0,51	0,04	0,585	0,146	$\mu\text{g/l}$	115%



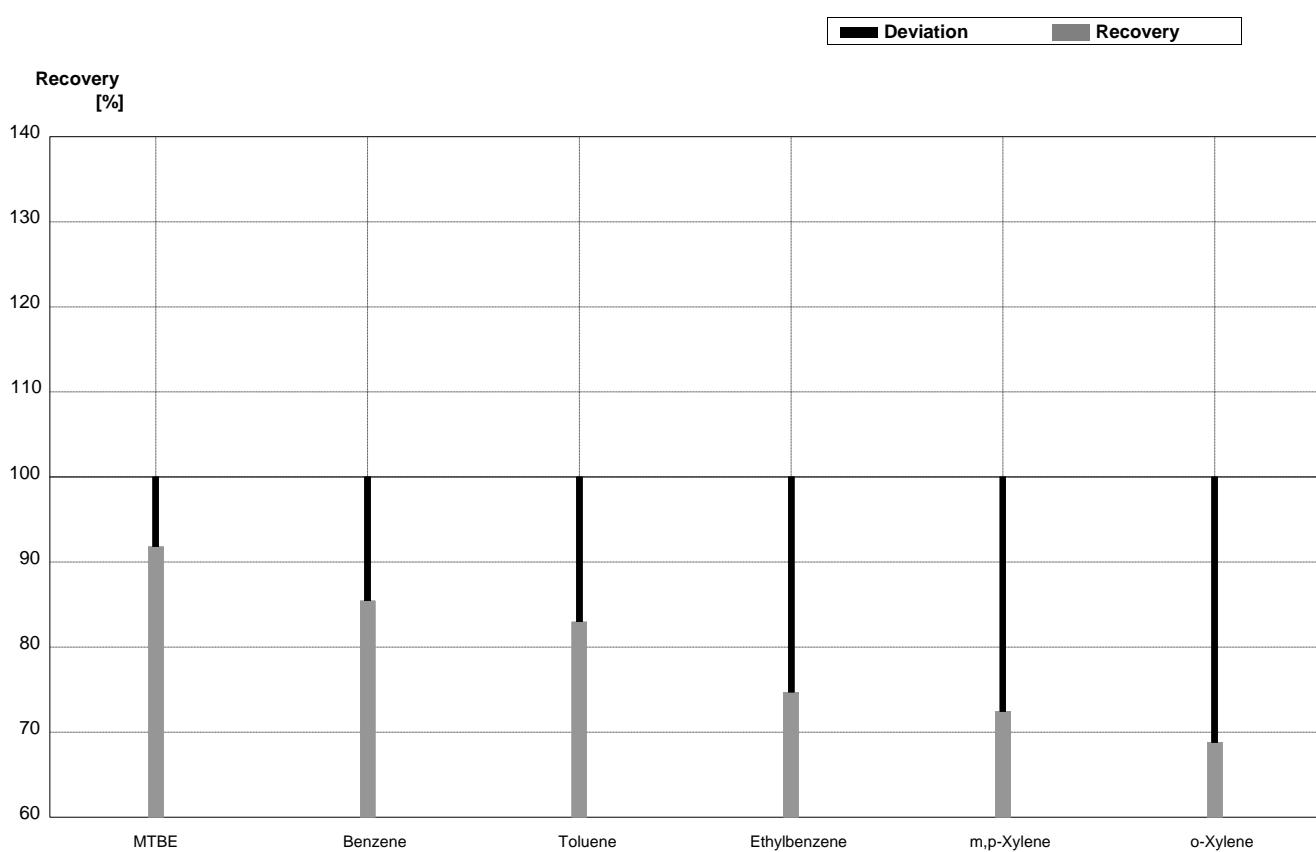
**Sample B-CB08A**  
**Laboratory G**

Parameter	Target value	$\pm U$ ( $k=2$ )	Result	$\pm$	Unit	Recovery
MTBE	0,51	0,08	0,555	0,128	$\mu\text{g/L}$	109%
Benzene	4,34	0,23	3,518	0,809	$\mu\text{g/L}$	81%
Toluene	4,74	0,26	3,883	0,893	$\mu\text{g/L}$	82%
Ethylbenzene	<0,1		<0,2		$\mu\text{g/L}$	•
m,p-Xylene	1,52	0,17	1,106	0,254	$\mu\text{g/L}$	73%
o-Xylene	0,96	0,12	0,661	0,152	$\mu\text{g/L}$	69%



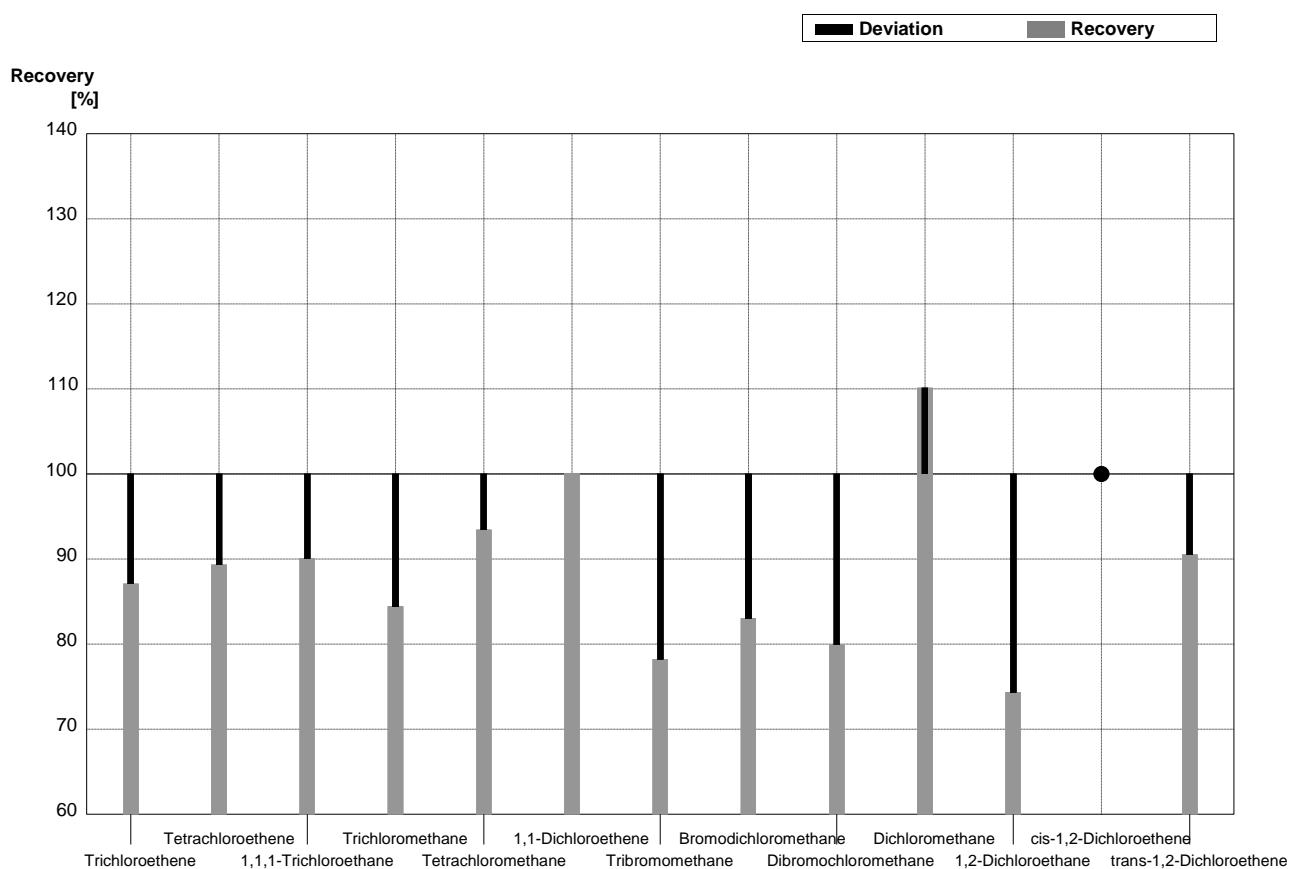
**Sample B-CB08B**  
**Laboratory G**

Parameter	Target value	$\pm U$ ( $k=2$ )	Result	$\pm$	Unit	Recovery
MTBE	2,28	0,14	2,093	0,481	$\mu\text{g/L}$	92%
Benzene	1,16	0,08	0,991	0,228	$\mu\text{g/L}$	85%
Toluene	2,40	0,15	1,991	0,458	$\mu\text{g/L}$	83%
Ethylbenzene	2,12	0,15	1,584	0,364	$\mu\text{g/L}$	75%
m,p-Xylene	5,10	0,30	3,694	0,850	$\mu\text{g/L}$	72%
o-Xylene	5,51	0,30	3,791	0,872	$\mu\text{g/L}$	69%



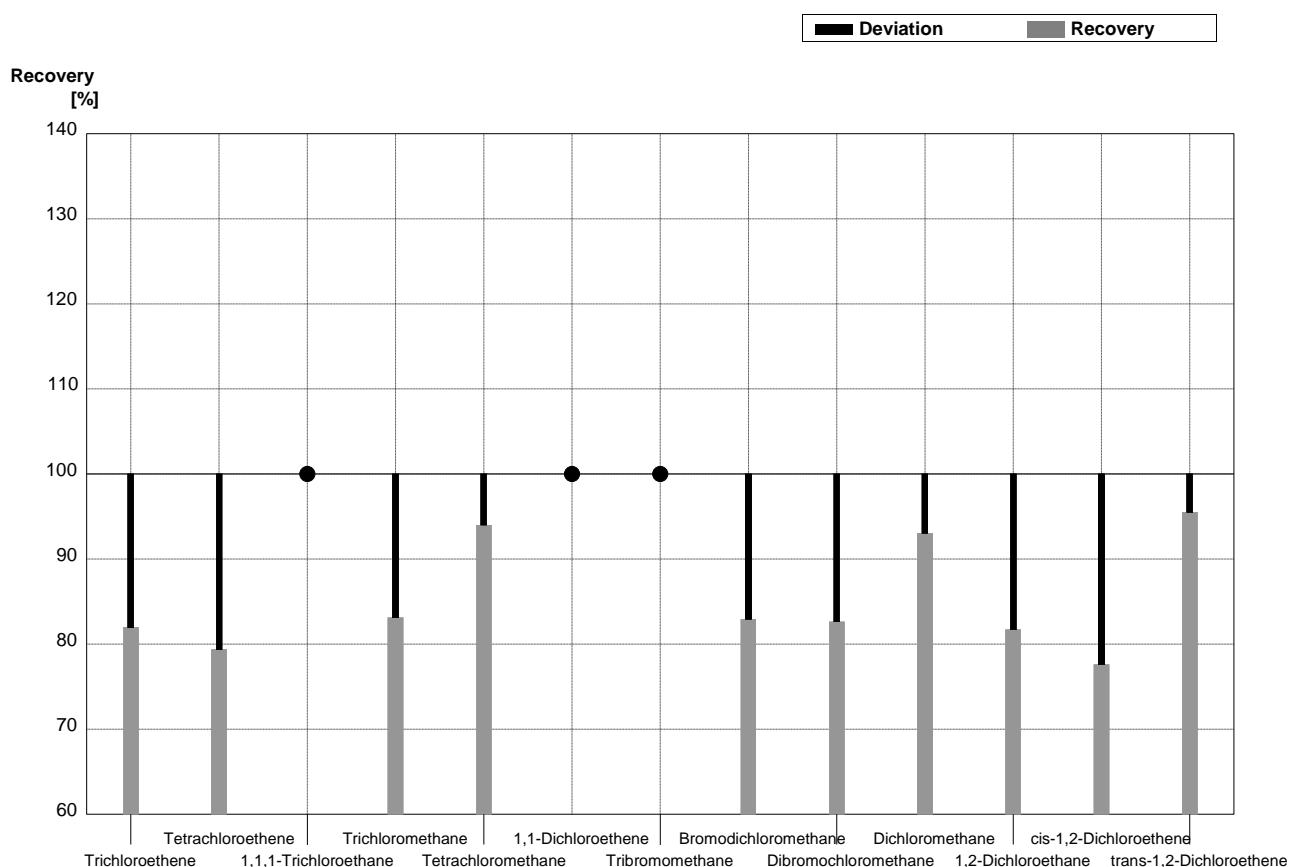
**Sample C-CB08A**  
**Laboratory G**

Parameter	Target value	$\pm U$ ( $k=2$ )	Result	$\pm$	Unit	Recovery
Trichloroethene	1,13	0,07	0,984	0,226	$\mu\text{g/l}$	87%
Tetrachloroethene	0,412	0,035	0,368	0,085	$\mu\text{g/l}$	89%
1,1,1-Trichloroethane	1,24	0,07	1,117	0,257	$\mu\text{g/l}$	90%
Trichloromethane	1,36	0,07	1,148	0,264	$\mu\text{g/l}$	84%
Tetrachloromethane	1,57	0,09	1,467	0,337	$\mu\text{g/l}$	93%
1,1-Dichloroethene	1,96	0,11	1,962	0,451	$\mu\text{g/l}$	100%
Tribromomethane	1,51	0,11	1,181	0,272	$\mu\text{g/l}$	78%
Bromodichloromethane	0,96	0,06	0,797	0,183	$\mu\text{g/l}$	83%
Dibromochloromethane	1,25	0,08	0,999	0,230	$\mu\text{g/l}$	80%
Dichloromethane	0,92	0,09	1,013	0,233	$\mu\text{g/l}$	110%
1,2-Dichloroethane	2,11	0,11	1,568	0,361	$\mu\text{g/l}$	74%
cis-1,2-Dichloroethene	<0,1		<0,2		$\mu\text{g/l}$	•
trans-1,2-Dichloroethene	1,95	0,10	1,765	0,406	$\mu\text{g/l}$	91%



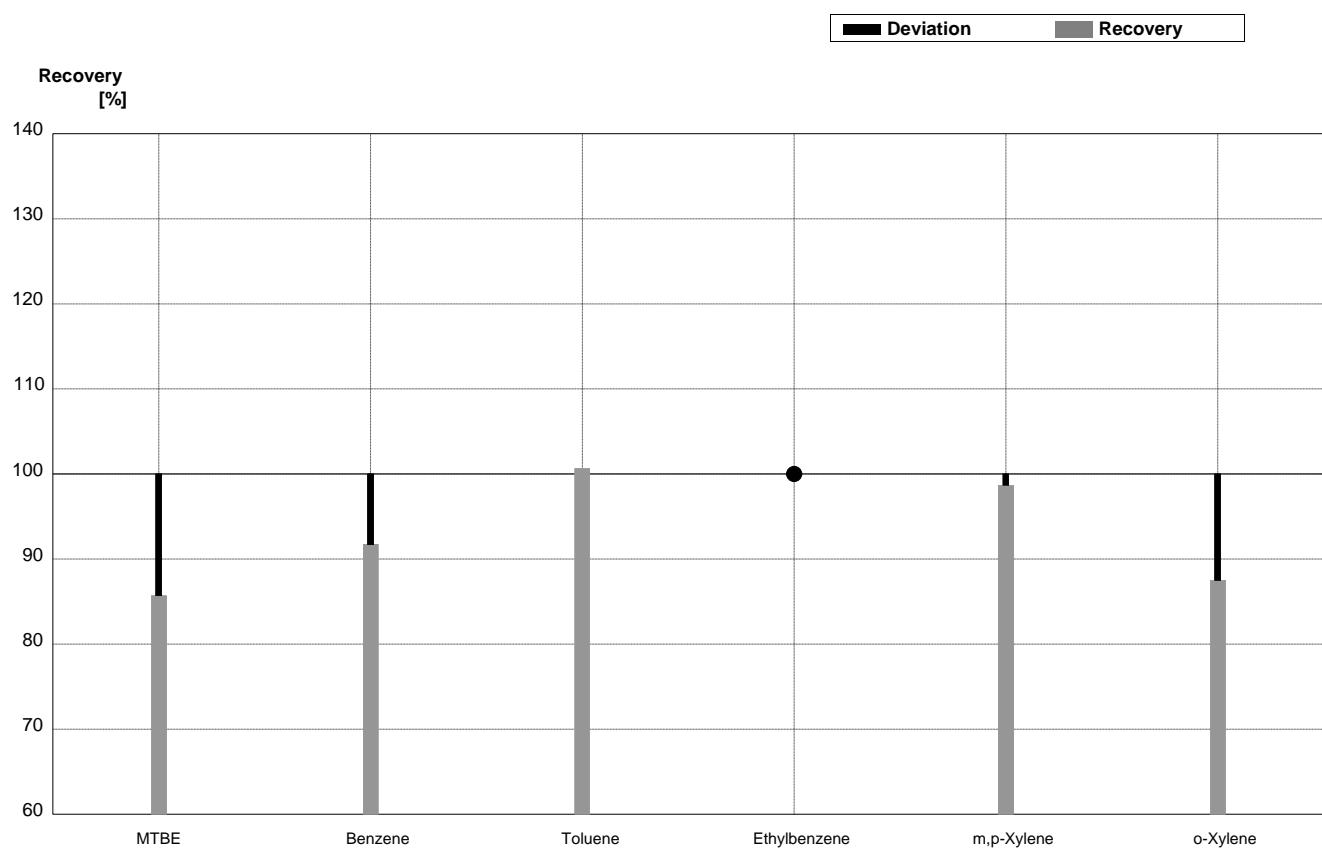
**Sample C-CB08B**  
**Laboratory G**

Parameter	Target value	$\pm U$ ( $k=2$ )	Result	$\pm$	Unit	Recovery
Trichloroethene	1,70	0,09	1,393	0,320	$\mu\text{g/l}$	82%
Tetrachloroethene	1,23	0,07	0,976	0,224	$\mu\text{g/l}$	79%
1,1,1-Trichloroethane	<0,1		<0,2		$\mu\text{g/l}$	•
Trichloromethane	2,22	0,12	1,845	0,424	$\mu\text{g/l}$	83%
Tetrachloromethane	0,65	0,05	0,611	0,141	$\mu\text{g/l}$	94%
1,1-Dichloroethene	<0,2		<0,2		$\mu\text{g/l}$	•
Tribromomethane	<0,1		<0,2		$\mu\text{g/l}$	•
Bromodichloromethane	1,89	0,10	1,567	0,360	$\mu\text{g/l}$	83%
Dibromochloromethane	1,84	0,10	1,520	0,350	$\mu\text{g/l}$	83%
Dichloromethane	2,18	0,13	2,028	0,466	$\mu\text{g/l}$	93%
1,2-Dichloroethane	0,95	0,05	0,776	0,179	$\mu\text{g/l}$	82%
cis-1,2-Dichloroethene	1,69	0,09	1,311	0,302	$\mu\text{g/l}$	78%
trans-1,2-Dichloroethene	0,51	0,04	0,487	0,112	$\mu\text{g/l}$	95%



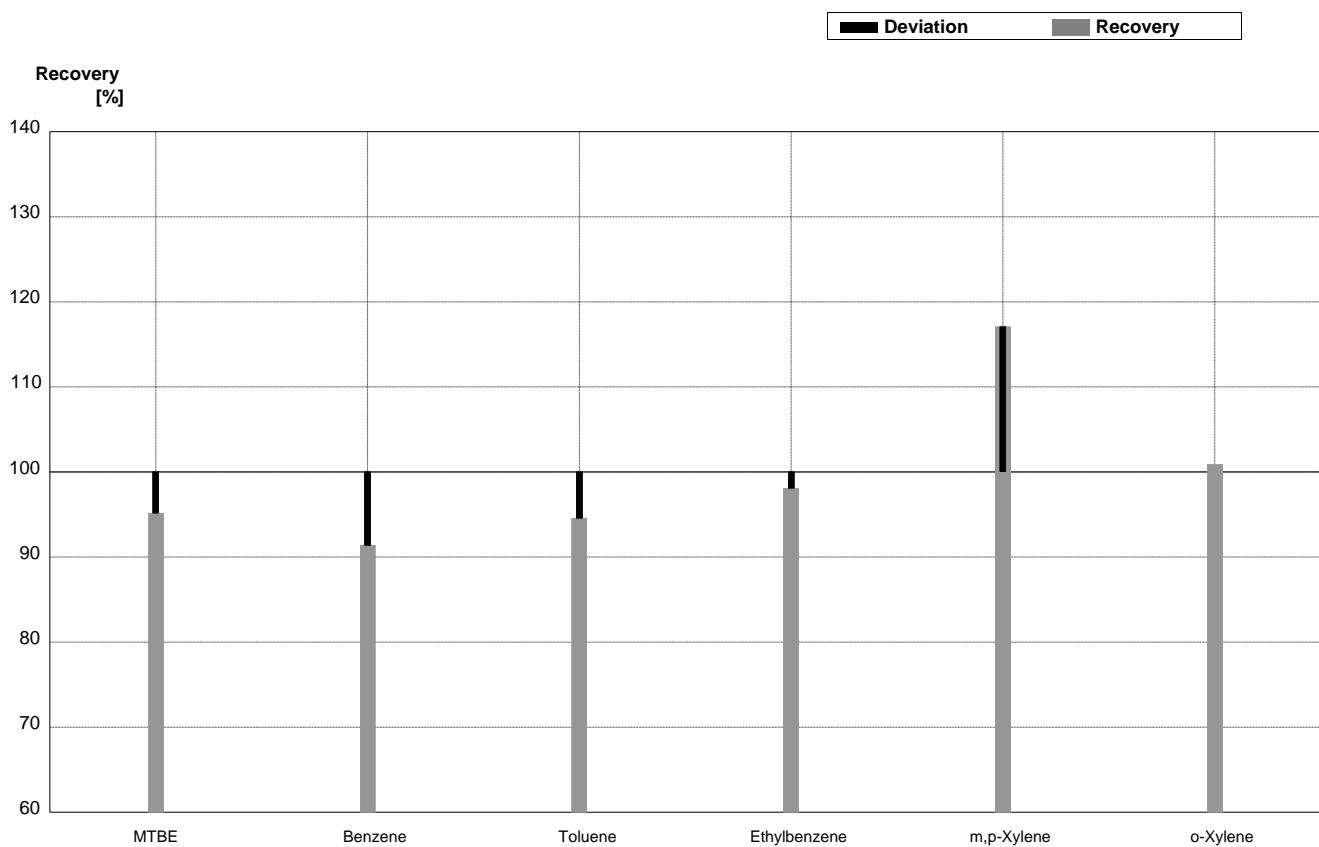
**Sample B-CB08A**  
**Laboratory H**

Parameter	Target value	$\pm U$ ( $k=2$ )	Result	$\pm$	Unit	Recovery
MTBE	0,51	0,08	0,437	0,118	$\mu\text{g/L}$	86%
Benzene	4,34	0,23	3,98	0,80	$\mu\text{g/L}$	92%
Toluene	4,74	0,26	4,77	0,95	$\mu\text{g/L}$	101%
Ethylbenzene	<0,1		<0,10		$\mu\text{g/L}$	•
m,p-Xylene	1,52	0,17	1,50	0,51	$\mu\text{g/L}$	99%
o-Xylene	0,96	0,12	0,840	0,294	$\mu\text{g/L}$	88%



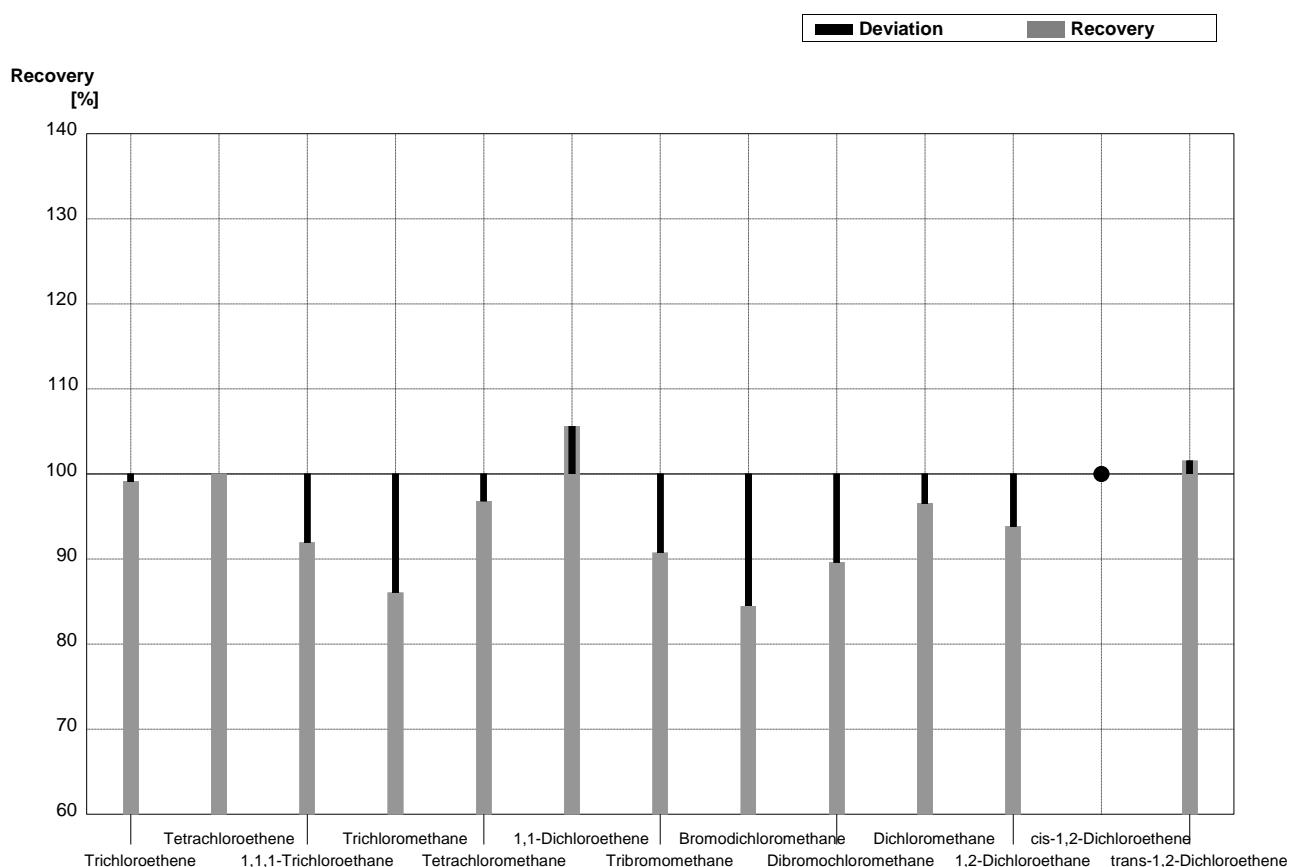
**Sample      B-CB08B**  
**Laboratory H**

Parameter	Target value	$\pm U$ ( $k=2$ )	Result	$\pm$	Unit	Recovery
MTBE	2,28	0,14	2,17	0,59	$\mu\text{g/L}$	95%
Benzene	1,16	0,08	1,06	0,21	$\mu\text{g/L}$	91%
Toluene	2,40	0,15	2,27	0,46	$\mu\text{g/L}$	95%
Ethylbenzene	2,12	0,15	2,08	0,83	$\mu\text{g/L}$	98%
m,p-Xylene	5,10	0,30	5,97	2,03	$\mu\text{g/L}$	117%
o-Xylene	5,51	0,30	5,56	1,95	$\mu\text{g/L}$	101%



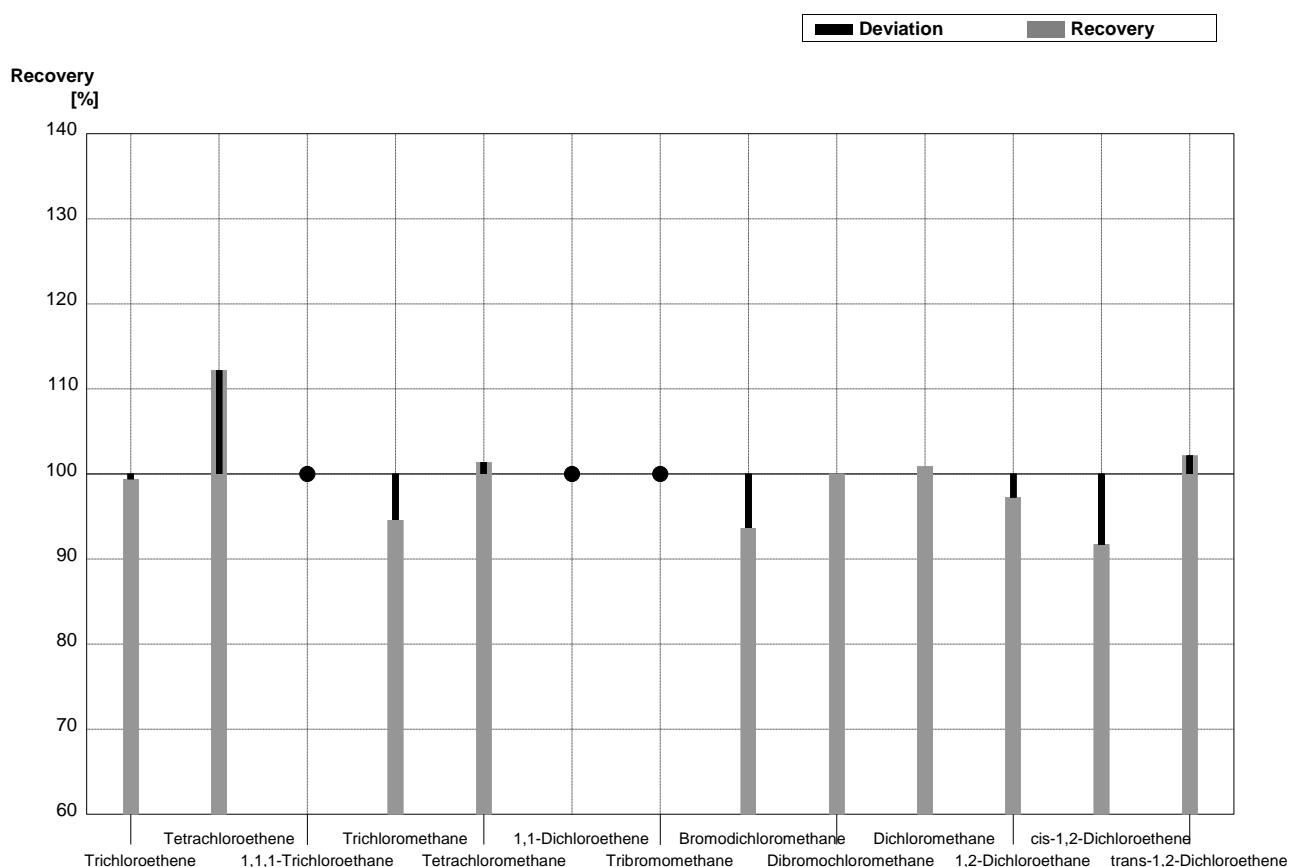
**Sample C-CB08A**  
**Laboratory H**

Parameter	Target value	± U (k=2)	Result	±	Unit	Recovery
Trichloroethene	1,13	0,07	1,12	0,24	µg/l	99%
Tetrachloroethene	0,412	0,035	0,412	0,111	µg/l	100%
1,1,1-Trichloroethane	1,24	0,07	1,14	0,24	µg/l	92%
Trichloromethane	1,36	0,07	1,17	0,25	µg/l	86%
Tetrachloromethane	1,57	0,09	1,52	0,33	µg/l	97%
1,1-Dichloroethene	1,96	0,11	2,07	0,44	µg/l	106%
Tribromomethane	1,51	0,11	1,37	0,29	µg/l	91%
Bromodichloromethane	0,96	0,06	0,811	0,146	µg/l	84%
Dibromochloromethane	1,25	0,08	1,12	0,24	µg/l	90%
Dichloromethane	0,92	0,09	0,888	0,275	µg/l	97%
1,2-Dichloroethane	2,11	0,11	1,98	0,38	µg/l	94%
cis-1,2-Dichloroethene	<0,1		<0,10		µg/l	•
trans-1,2-Dichloroethene	1,95	0,10	1,98	0,24	µg/l	102%



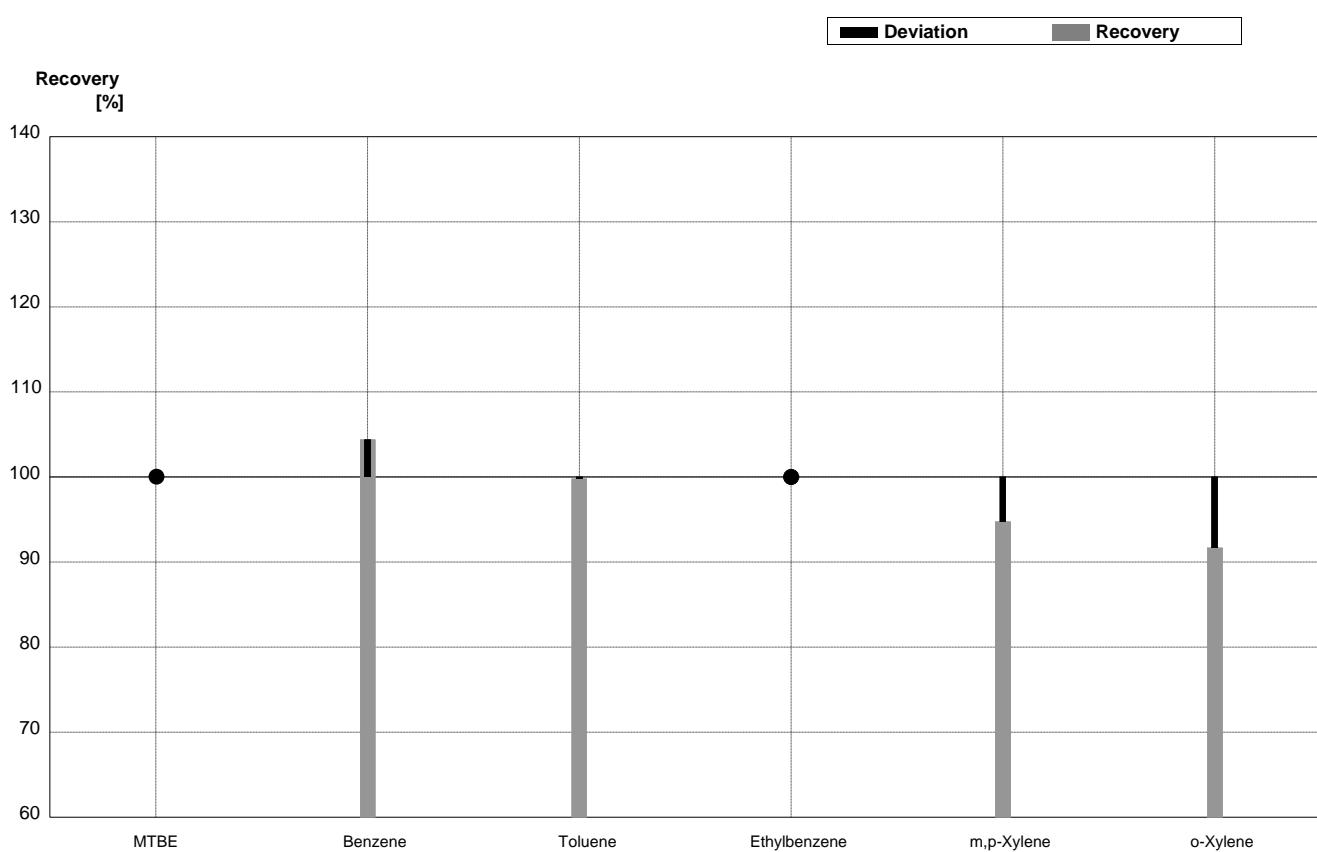
**Sample C-CB08B**  
**Laboratory H**

Parameter	Target value	$\pm U$ ( $k=2$ )	Result	$\pm$	Unit	Recovery
Trichloroethene	1,70	0,09	1,69	0,35	$\mu\text{g/l}$	99%
Tetrachloroethene	1,23	0,07	1,38	0,37	$\mu\text{g/l}$	112%
1,1,1-Trichloroethane	<0,1		<0,10		$\mu\text{g/l}$	•
Trichloromethane	2,22	0,12	2,10	0,44	$\mu\text{g/l}$	95%
Tetrachloromethane	0,65	0,05	0,659	0,145	$\mu\text{g/l}$	101%
1,1-Dichloroethene	<0,2		<0,10		$\mu\text{g/l}$	•
Tribromomethane	<0,1		<0,14		$\mu\text{g/l}$	•
Bromodichloromethane	1,89	0,10	1,77	0,32	$\mu\text{g/l}$	94%
Dibromochloromethane	1,84	0,10	1,84	0,39	$\mu\text{g/l}$	100%
Dichloromethane	2,18	0,13	2,20	0,68	$\mu\text{g/l}$	101%
1,2-Dichloroethane	0,95	0,05	0,924	0,176	$\mu\text{g/l}$	97%
cis-1,2-Dichloroethene	1,69	0,09	1,55	0,17	$\mu\text{g/l}$	92%
trans-1,2-Dichloroethene	0,51	0,04	0,521	0,063	$\mu\text{g/l}$	102%



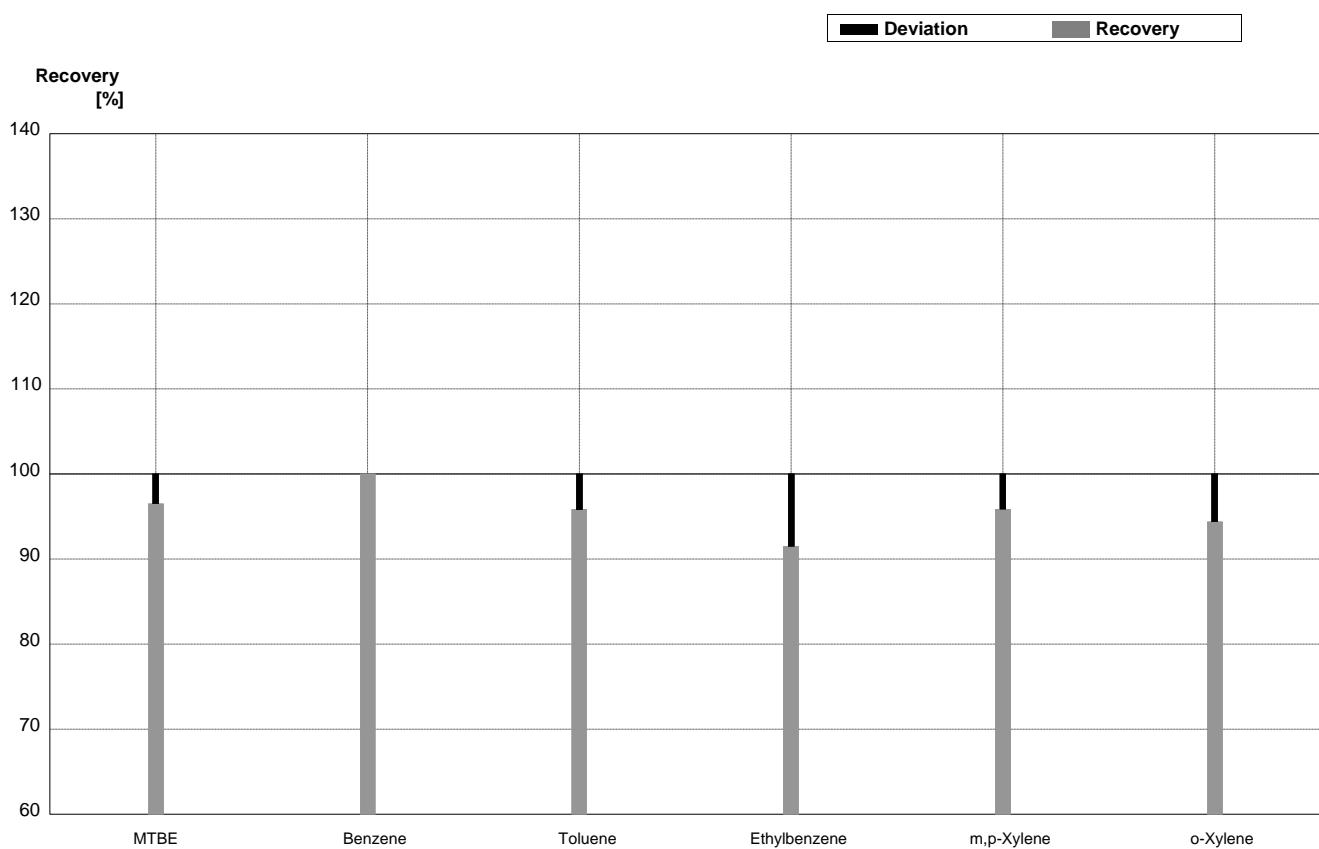
**Sample      B-CB08A**  
**Laboratory I**

Parameter	Target value	$\pm U$ ( $k=2$ )	Result	$\pm$	Unit	Recovery
MTBE	0,51	0,08	'<0,5		$\mu\text{g/L}$	•
Benzene	4,34	0,23	4,53	0,906	$\mu\text{g/L}$	104%
Toluene	4,74	0,26	4,73	0,946	$\mu\text{g/L}$	100%
Ethylbenzene	<0,1		<0,5		$\mu\text{g/L}$	•
m,p-Xylene	1,52	0,17	1,44	0,288	$\mu\text{g/L}$	95%
o-Xylene	0,96	0,12	0,88	0,18	$\mu\text{g/L}$	92%



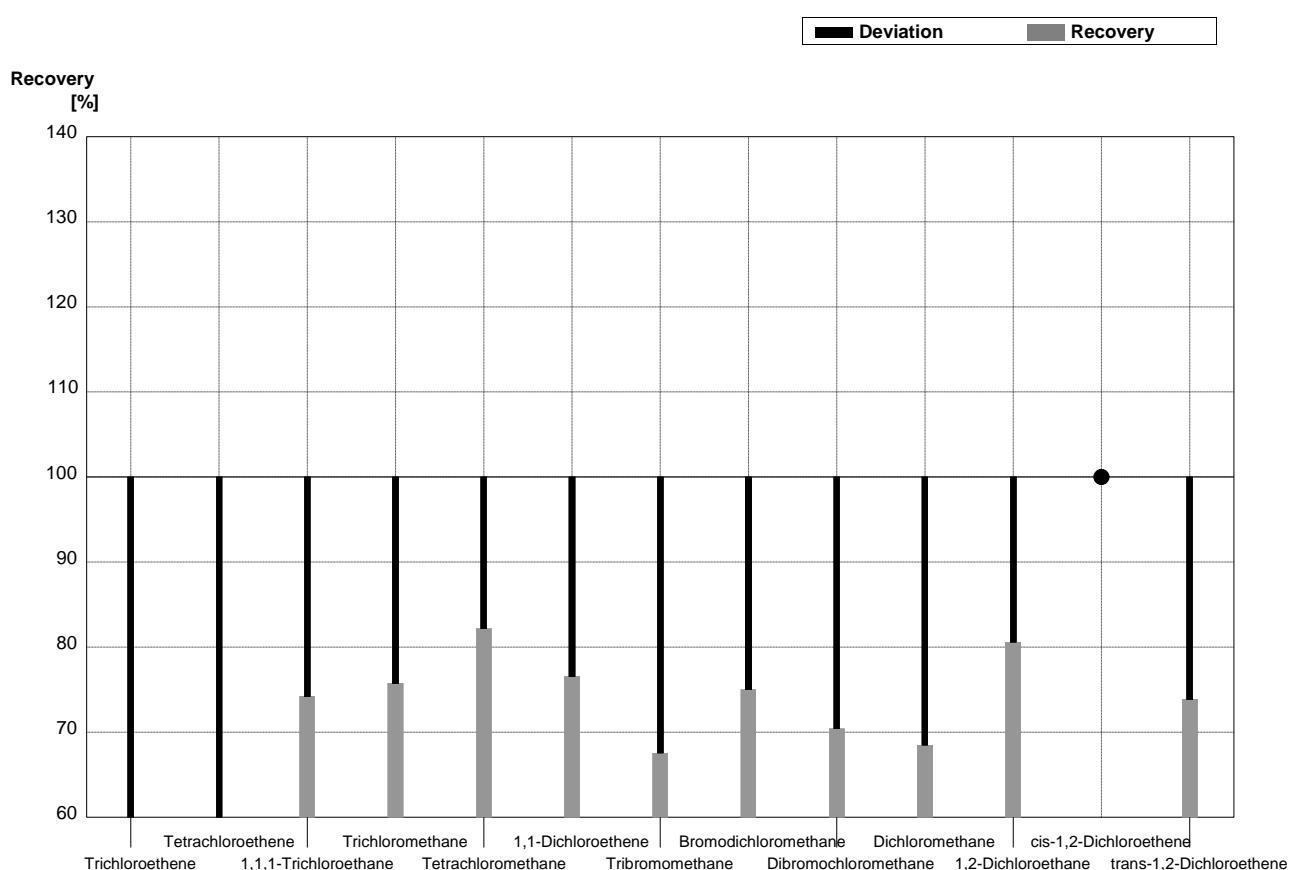
**Sample      B-CB08B**  
**Laboratory I**

Parameter	Target value	$\pm U$ ( $k=2$ )	Result	$\pm$	Unit	Recovery
MTBE	2,28	0,14	2,20	0,440	$\mu\text{g/L}$	96%
Benzene	1,16	0,08	1,16	0,232	$\mu\text{g/L}$	100%
Toluene	2,40	0,15	2,30	0,460	$\mu\text{g/L}$	96%
Ethylbenzene	2,12	0,15	1,94	0,388	$\mu\text{g/L}$	92%
m,p-Xylene	5,10	0,30	4,89	0,978	$\mu\text{g/L}$	96%
o-Xylene	5,51	0,30	5,2	1,0	$\mu\text{g/L}$	94%



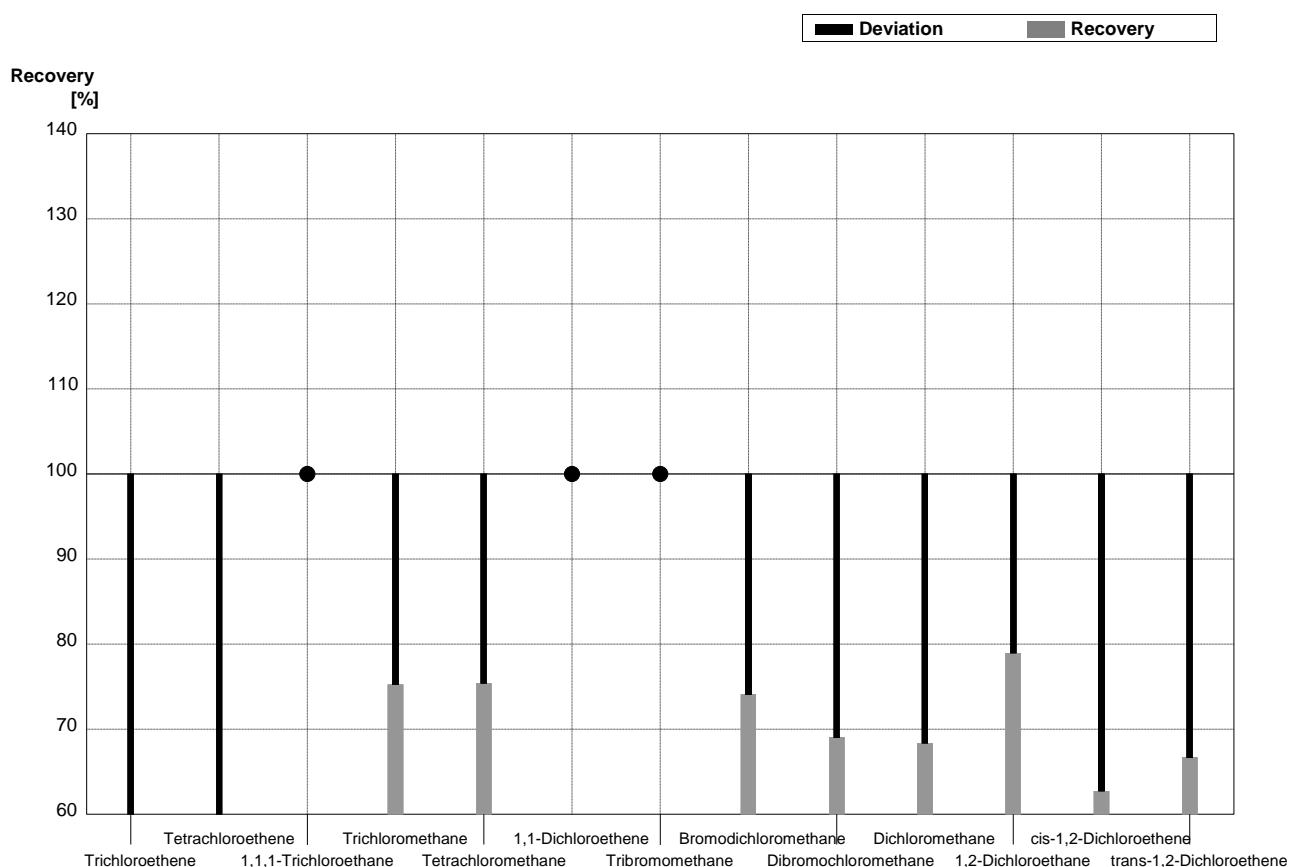
**Sample C-CB08A**  
**Laboratory I**

Parameter	Target value	$\pm U$ ( $k=2$ )	Result	$\pm$	Unit	Recovery
Trichloroethene	1,13	0,07	0,480	0,096	$\mu\text{g/l}$	42%
Tetrachloroethene	0,412	0,035	0,220	0,044	$\mu\text{g/l}$	53%
1,1,1-Trichloroethane	1,24	0,07	0,92	0,18	$\mu\text{g/l}$	74%
Trichloromethane	1,36	0,07	1,03	0,206	$\mu\text{g/l}$	76%
Tetrachloromethane	1,57	0,09	1,29	0,258	$\mu\text{g/l}$	82%
1,1-Dichloroethene	1,96	0,11	1,50	0,300	$\mu\text{g/l}$	77%
Tribromomethane	1,51	0,11	1,02	0,204	$\mu\text{g/l}$	68%
Bromodichloromethane	0,96	0,06	0,72	0,14	$\mu\text{g/l}$	75%
Dibromochloromethane	1,25	0,08	0,88	0,18	$\mu\text{g/l}$	70%
Dichloromethane	0,92	0,09	0,63	0,13	$\mu\text{g/l}$	68%
1,2-Dichloroethane	2,11	0,11	1,70	0,340	$\mu\text{g/l}$	81%
cis-1,2-Dichloroethene	<0,1		<0,10		$\mu\text{g/l}$	•
trans-1,2-Dichloroethene	1,95	0,10	1,44	0,288	$\mu\text{g/l}$	74%



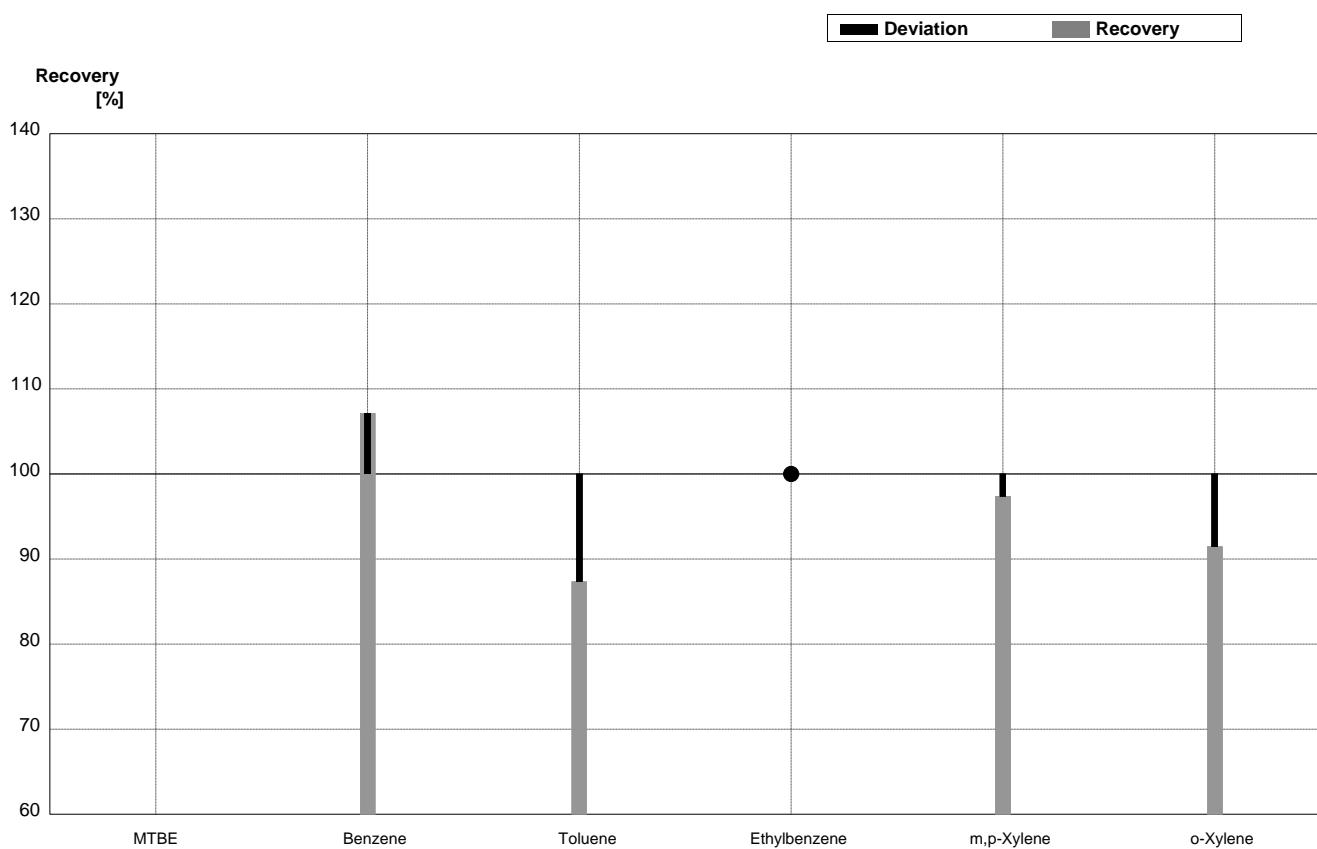
**Sample C-CB08B**  
**Laboratory I**

Parameter	Target value	$\pm U$ ( $k=2$ )	Result	$\pm$	Unit	Recovery
Trichloroethene	1,70	0,09	0,71	0,14	$\mu\text{g/l}$	42%
Tetrachloroethene	1,23	0,07	0,73	0,14	$\mu\text{g/l}$	59%
1,1,1-Trichloroethane	<0,1		<0,1		$\mu\text{g/l}$	•
Trichloromethane	2,22	0,12	1,67	0,334	$\mu\text{g/l}$	75%
Tetrachloromethane	0,65	0,05	0,490	0,098	$\mu\text{g/l}$	75%
1,1-Dichloroethene	<0,2		<0,1		$\mu\text{g/l}$	•
Tribromomethane	<0,1		<0,1		$\mu\text{g/l}$	•
Bromodichloromethane	1,89	0,10	1,40	0,280	$\mu\text{g/l}$	74%
Dibromochloromethane	1,84	0,10	1,27	0,254	$\mu\text{g/l}$	69%
Dichloromethane	2,18	0,13	1,49	0,298	$\mu\text{g/l}$	68%
1,2-Dichloroethane	0,95	0,05	0,75	0,15	$\mu\text{g/l}$	79%
cis-1,2-Dichloroethene	1,69	0,09	1,06	0,212	$\mu\text{g/l}$	63%
trans-1,2-Dichloroethene	0,51	0,04	0,340	0,068	$\mu\text{g/l}$	67%



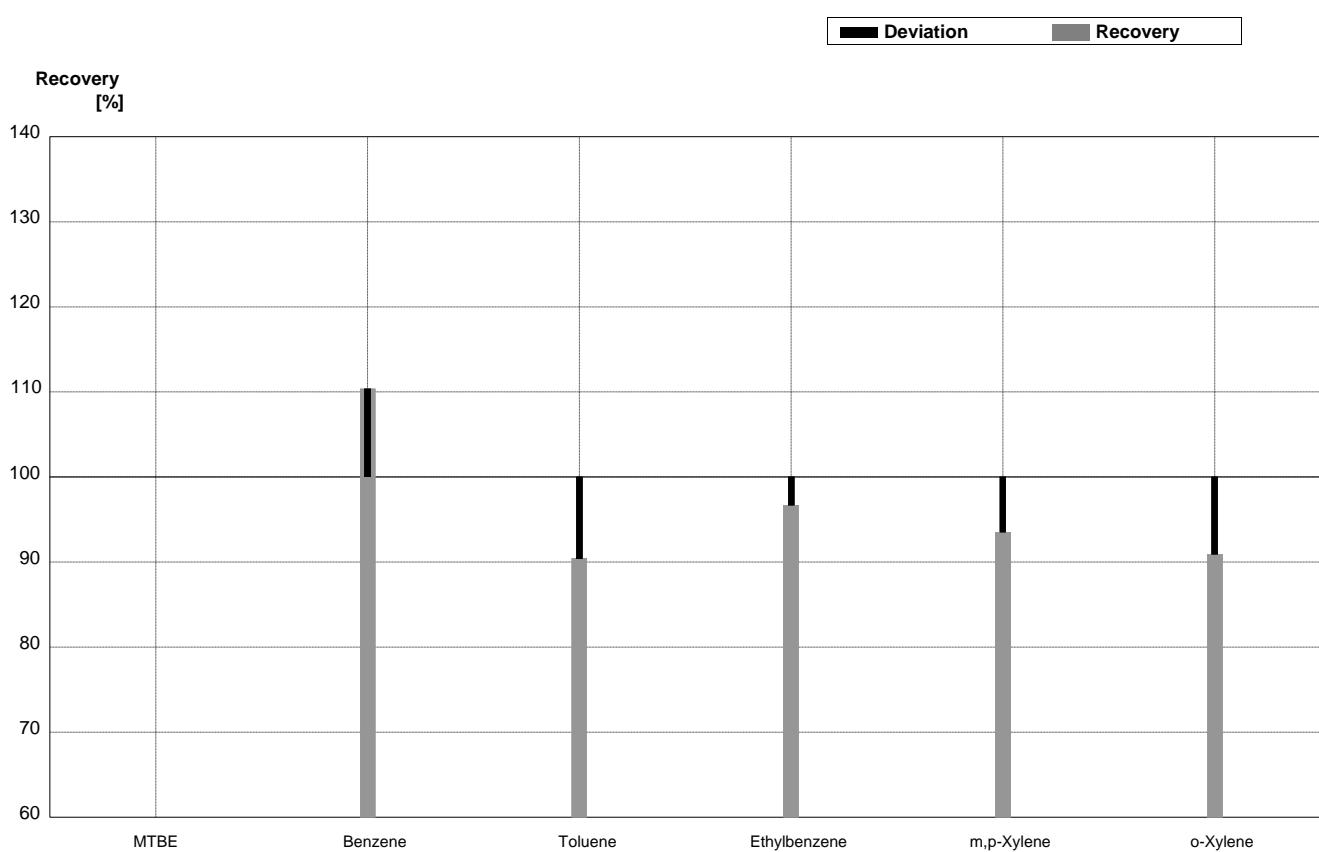
**Sample      B-CB08A**  
**Laboratory J**

Parameter	Target value	$\pm U$ ( $k=2$ )	Result	$\pm$	Unit	Recovery
MTBE	0,51	0,08			$\mu\text{g/L}$	
Benzene	4,34	0,23	4,65	0,09	$\mu\text{g/L}$	107%
Toluene	4,74	0,26	4,14	0,11	$\mu\text{g/L}$	87%
Ethylbenzene	<0,1		<0,50		$\mu\text{g/L}$	•
m,p-Xylene	1,52	0,17	1,48	0,18	$\mu\text{g/L}$	97%
o-Xylene	0,96	0,12	0,878	0,08	$\mu\text{g/L}$	91%



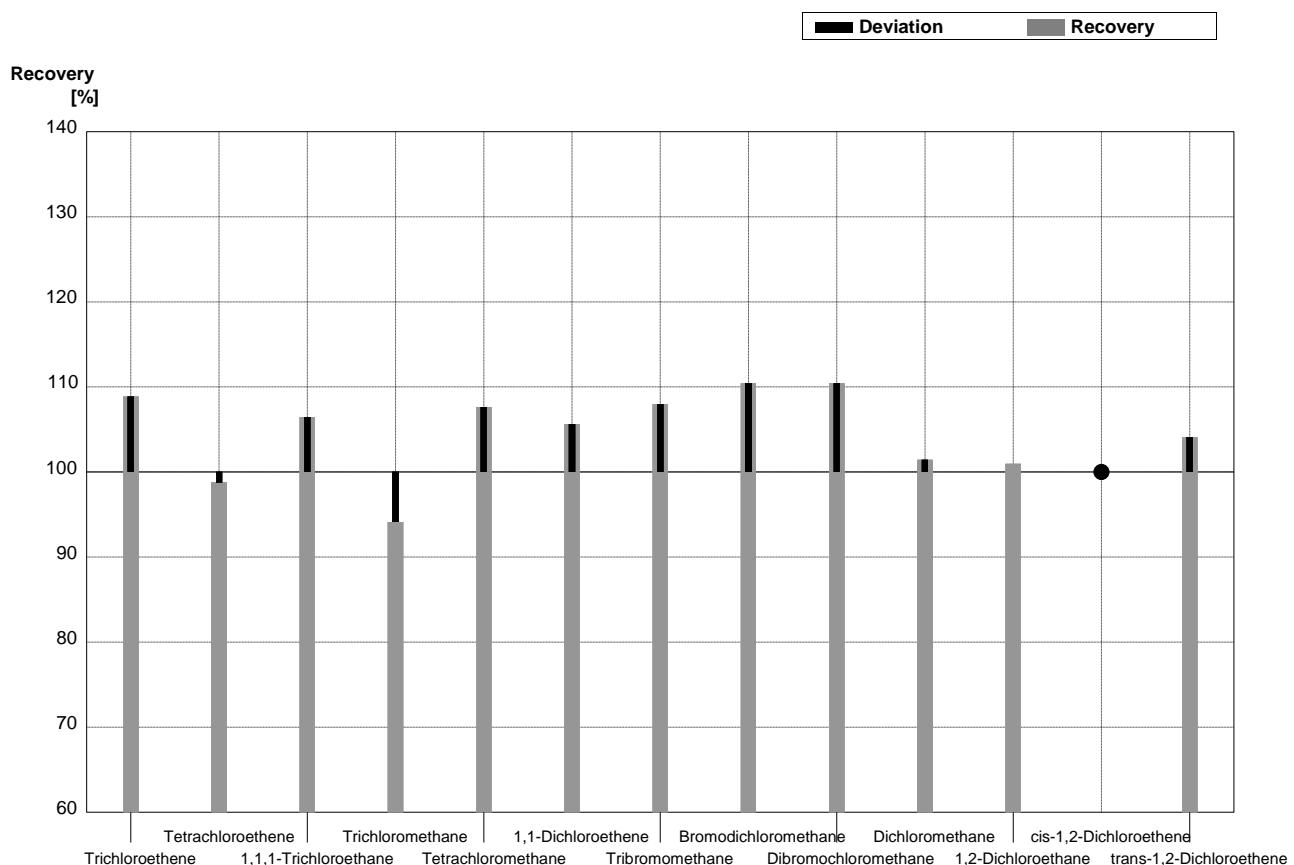
**Sample      B-CB08B**  
**Laboratory J**

Parameter	Target value	$\pm U$ ( $k=2$ )	Result	$\pm$	Unit	Recovery
MTBE	2,28	0,14			$\mu\text{g/L}$	
Benzene	1,16	0,08	1,28	0,08	$\mu\text{g/L}$	110%
Toluene	2,40	0,15	2,17	0,09	$\mu\text{g/L}$	90%
Ethylbenzene	2,12	0,15	2,05	0,14	$\mu\text{g/L}$	97%
m,p-Xylene	5,10	0,30	4,77	0,18	$\mu\text{g/L}$	94%
o-Xylene	5,51	0,30	5,01	0,09	$\mu\text{g/L}$	91%



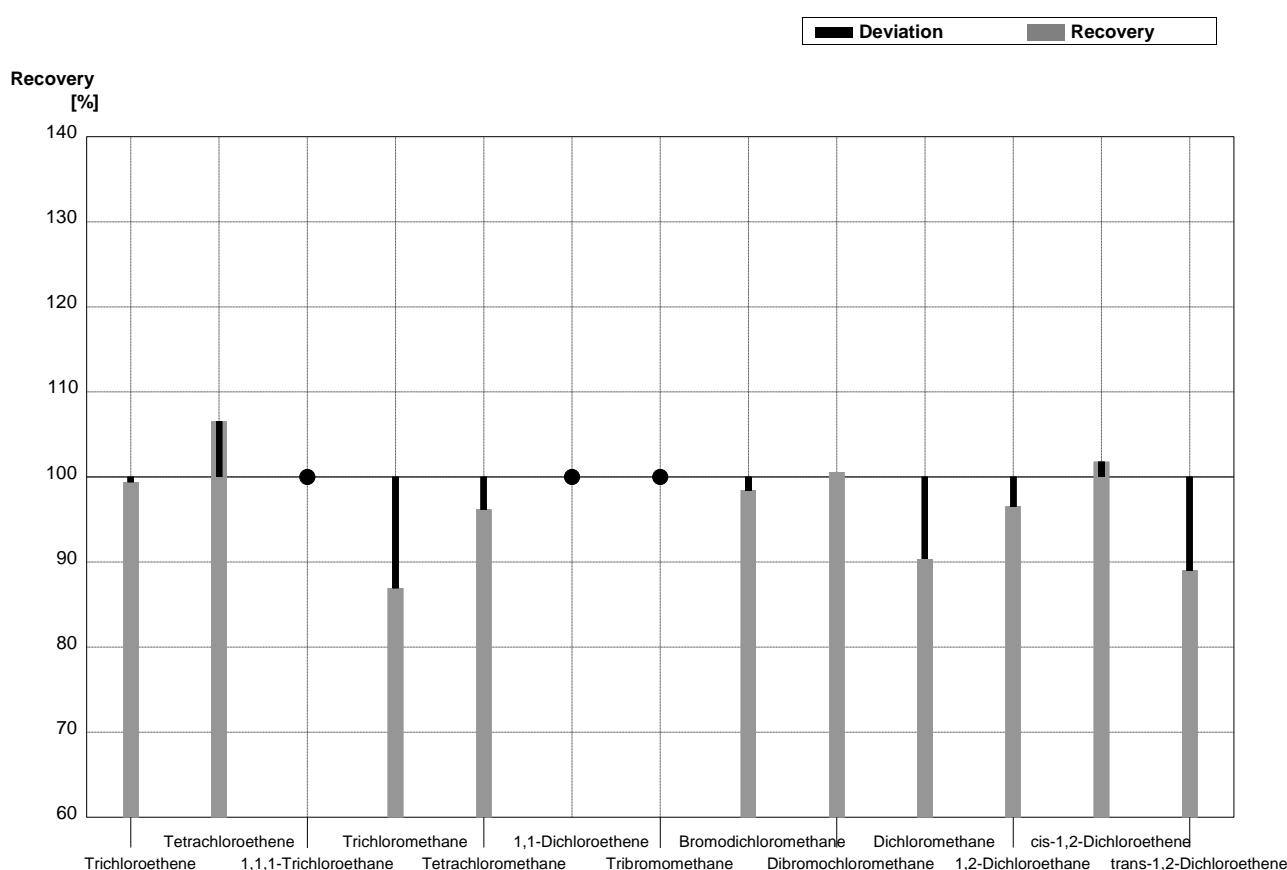
**Sample C-CB08A**  
**Laboratory J**

Parameter	Target value	$\pm U$ ( $k=2$ )	Result	$\pm$	Unit	Recovery
Trichloroethene	1,13	0,07	1,23	0,117	$\mu\text{g/l}$	109%
Tetrachloroethene	0,412	0,035	0,407	0,016	$\mu\text{g/l}$	99%
1,1,1-Trichloroethane	1,24	0,07	1,32	0,073	$\mu\text{g/l}$	106%
Trichloromethane	1,36	0,07	1,28	0,071	$\mu\text{g/l}$	94%
Tetrachloromethane	1,57	0,09	1,69	0,109	$\mu\text{g/l}$	108%
1,1-Dichloroethene	1,96	0,11	2,07	0,119	$\mu\text{g/l}$	106%
Tribromomethane	1,51	0,11	1,63	0,105	$\mu\text{g/l}$	108%
Bromodichloromethane	0,96	0,06	1,06	0,062	$\mu\text{g/l}$	110%
Dibromochloromethane	1,25	0,08	1,38	0,12	$\mu\text{g/l}$	110%
Dichloromethane	0,92	0,09	0,933	0,119	$\mu\text{g/l}$	101%
1,2-Dichloroethane	2,11	0,11	2,13	0,154	$\mu\text{g/l}$	101%
cis-1,2-Dichloroethene	<0,1		<0,050		$\mu\text{g/l}$	•
trans-1,2-Dichloroethene	1,95	0,10	2,03	0,107	$\mu\text{g/l}$	104%



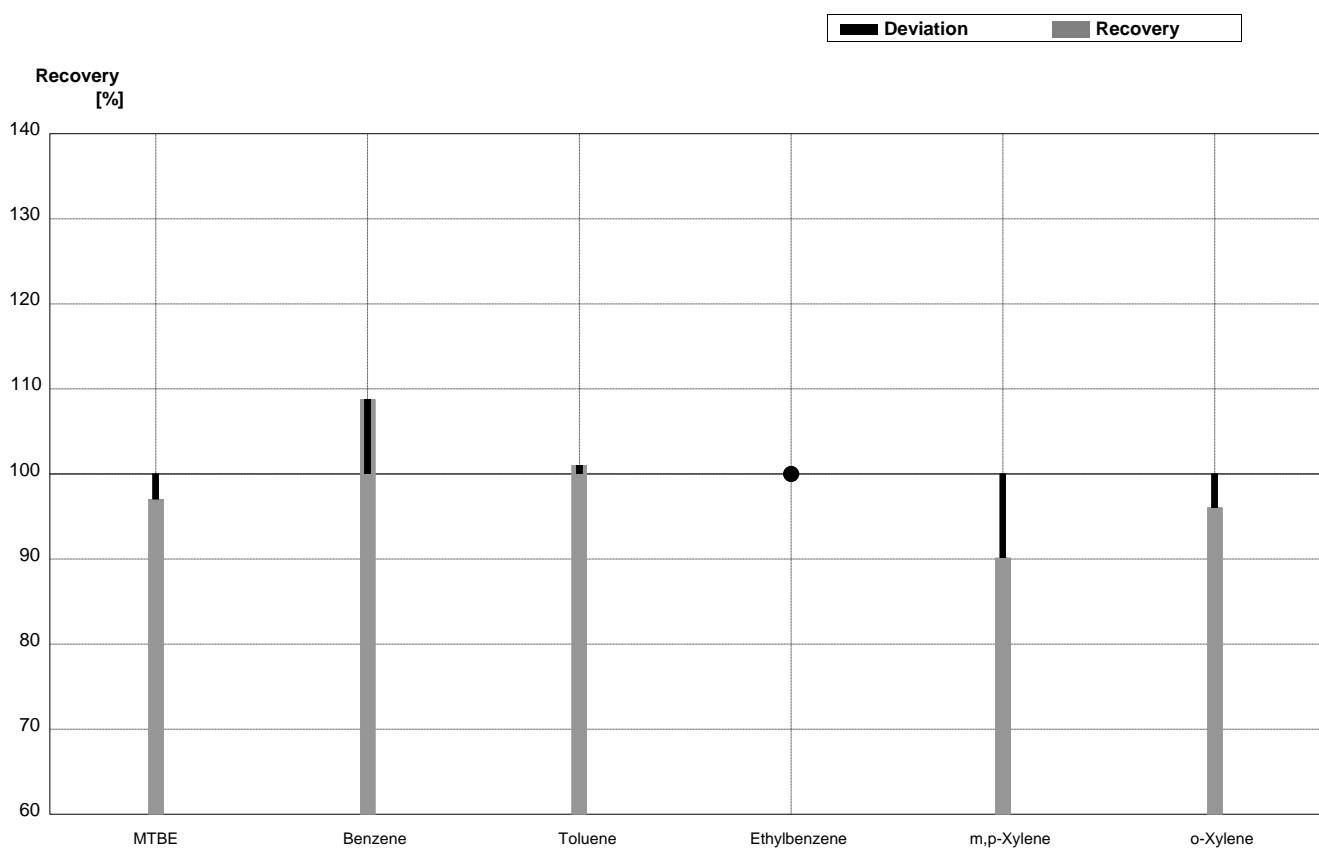
**Sample C-CB08B**  
**Laboratory J**

Parameter	Target value	$\pm U$ ( $k=2$ )	Result	$\pm$	Unit	Recovery
Trichloroethene	1,70	0,09	1,69	0,12	$\mu\text{g/l}$	99%
Tetrachloroethene	1,23	0,07	1,31	0,097	$\mu\text{g/l}$	107%
1,1,1-Trichloroethane	<0,1		<0,050		$\mu\text{g/l}$	•
Trichloromethane	2,22	0,12	1,93	0,077	$\mu\text{g/l}$	87%
Tetrachloromethane	0,65	0,05	0,625	0,116	$\mu\text{g/l}$	96%
1,1-Dichloroethene	<0,2		<0,050		$\mu\text{g/l}$	•
Tribromomethane	<0,1		<0,050		$\mu\text{g/l}$	•
Bromodichloromethane	1,89	0,10	1,86	0,060	$\mu\text{g/l}$	98%
Dibromochloromethane	1,84	0,10	1,85	0,118	$\mu\text{g/l}$	101%
Dichloromethane	2,18	0,13	1,97	0,143	$\mu\text{g/l}$	90%
1,2-Dichloroethane	0,95	0,05	0,917	0,12	$\mu\text{g/l}$	97%
cis-1,2-Dichloroethene	1,69	0,09	1,72	0,118	$\mu\text{g/l}$	102%
trans-1,2-Dichloroethene	0,51	0,04	0,454	0,116	$\mu\text{g/l}$	89%



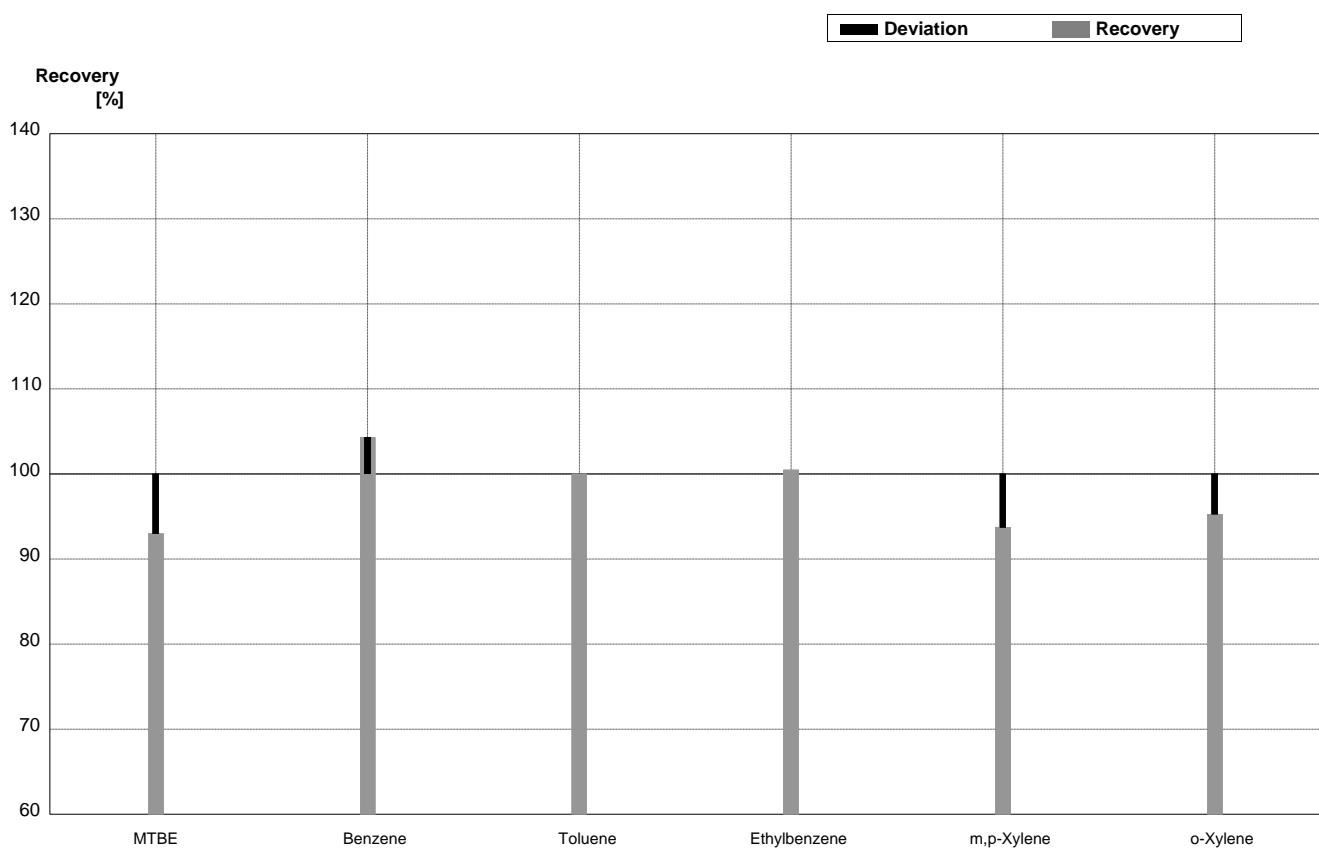
**Sample B-CB08A**  
**Laboratory K**

Parameter	Target value	$\pm U$ ( $k=2$ )	Result	$\pm$	Unit	Recovery
MTBE	0,51	0,08	0,495	0,990	$\mu\text{g/L}$	97%
Benzene	4,34	0,23	4,72	0,94	$\mu\text{g/L}$	109%
Toluene	4,74	0,26	4,79	0,96	$\mu\text{g/L}$	101%
Ethylbenzene	<0,1		<0,1		$\mu\text{g/L}$	•
m,p-Xylene	1,52	0,17	1,37	0,27	$\mu\text{g/L}$	90%
o-Xylene	0,96	0,12	0,922	0,184	$\mu\text{g/L}$	96%



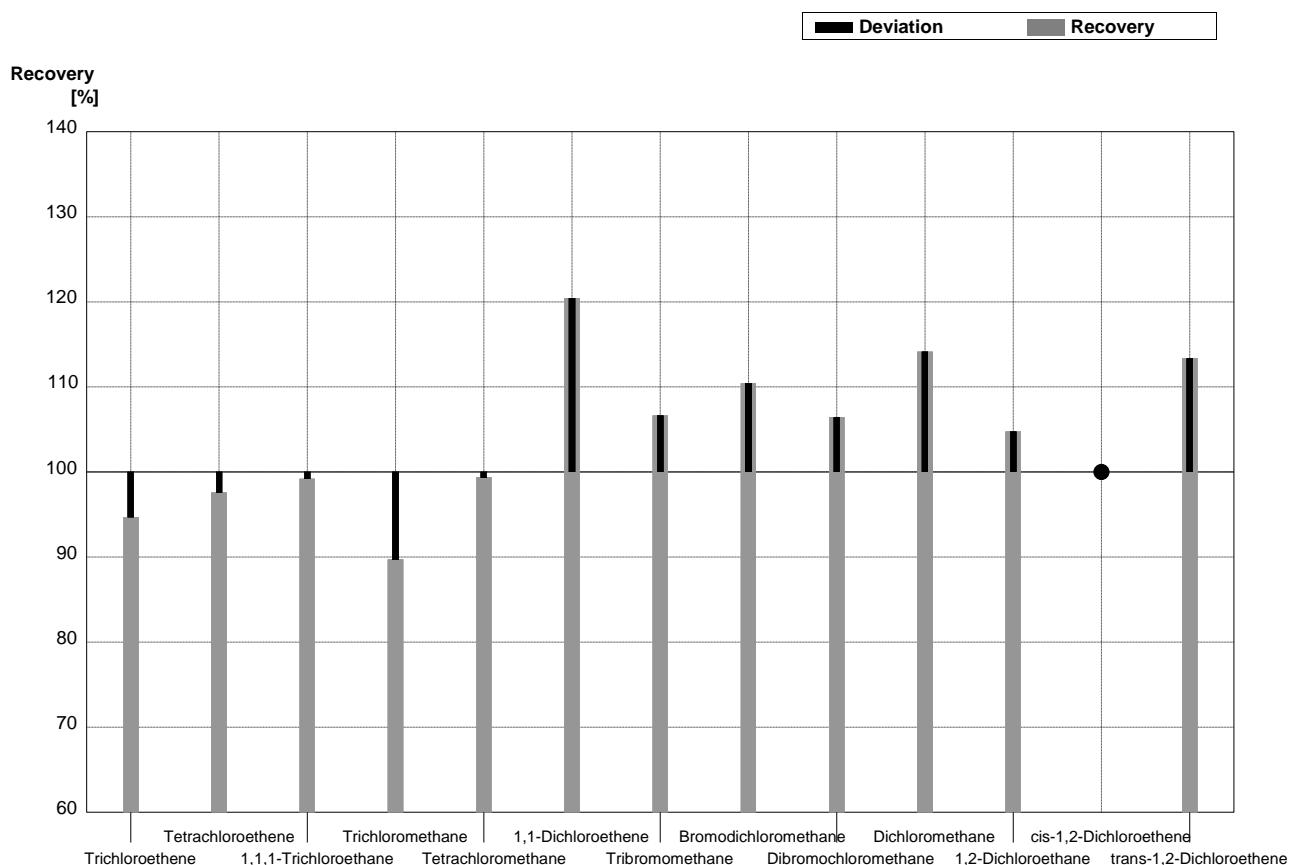
**Sample B-CB08B**  
**Laboratory K**

Parameter	Target value	$\pm U$ ( $k=2$ )	Result	$\pm$	Unit	Recovery
MTBE	2,28	0,14	2,12	0,42	$\mu\text{g/L}$	93%
Benzene	1,16	0,08	1,21	0,24	$\mu\text{g/L}$	104%
Toluene	2,40	0,15	2,40	0,48	$\mu\text{g/L}$	100%
Ethylbenzene	2,12	0,15	2,13	0,43	$\mu\text{g/L}$	100%
m,p-Xylene	5,10	0,30	4,78	0,96	$\mu\text{g/L}$	94%
o-Xylene	5,51	0,30	5,25	1,05	$\mu\text{g/L}$	95%



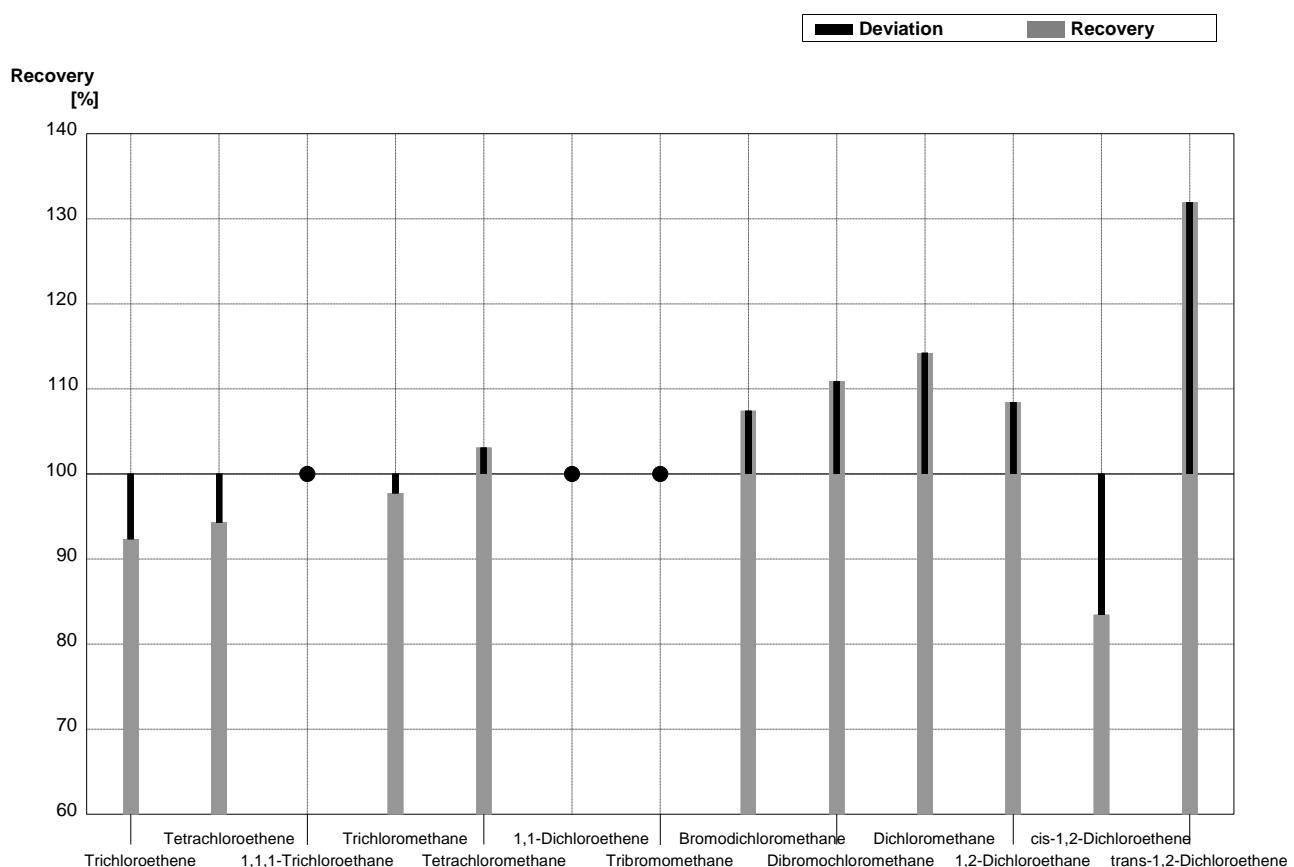
**Sample C-CB08A**  
**Laboratory K**

Parameter	Target value	$\pm U$ ( $k=2$ )	Result	$\pm$	Unit	Recovery
Trichloroethene	1,13	0,07	1,07	0,21	$\mu\text{g/l}$	95%
Tetrachloroethene	0,412	0,035	0,402	0,080	$\mu\text{g/l}$	98%
1,1,1-Trichloroethane	1,24	0,07	1,23	0,25	$\mu\text{g/l}$	99%
Trichloromethane	1,36	0,07	1,22	0,24	$\mu\text{g/l}$	90%
Tetrachloromethane	1,57	0,09	1,56	0,31	$\mu\text{g/l}$	99%
1,1-Dichloroethene	1,96	0,11	2,36	0,47	$\mu\text{g/l}$	120%
Tribromomethane	1,51	0,11	1,61	0,32	$\mu\text{g/l}$	107%
Bromodichloromethane	0,96	0,06	1,06	0,21	$\mu\text{g/l}$	110%
Dibromochloromethane	1,25	0,08	1,33	0,27	$\mu\text{g/l}$	106%
Dichloromethane	0,92	0,09	1,05	0,21	$\mu\text{g/l}$	114%
1,2-Dichloroethane	2,11	0,11	2,21	0,44	$\mu\text{g/l}$	105%
cis-1,2-Dichloroethene	<0,1		<0,05		$\mu\text{g/l}$	•
trans-1,2-Dichloroethene	1,95	0,10	2,21	0,44	$\mu\text{g/l}$	113%



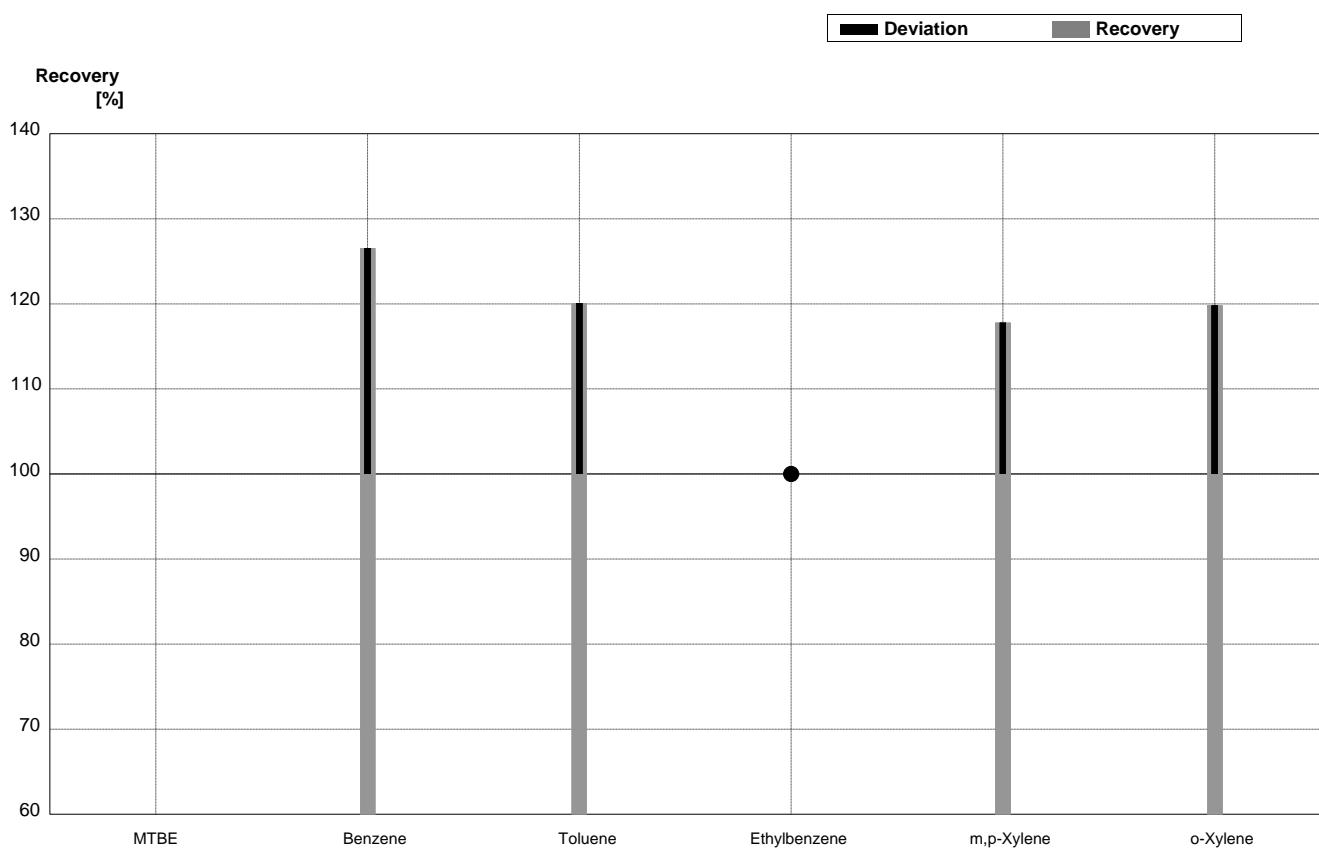
**Sample C-CB08B**  
**Laboratory K**

Parameter	Target value	$\pm U$ ( $k=2$ )	Result	$\pm$	Unit	Recovery
Trichloroethene	1,70	0,09	1,57	0,31	$\mu\text{g/l}$	92%
Tetrachloroethene	1,23	0,07	1,16	0,23	$\mu\text{g/l}$	94%
1,1,1-Trichloroethane	<0,1		<0,1		$\mu\text{g/l}$	•
Trichloromethane	2,22	0,12	2,17	0,43	$\mu\text{g/l}$	98%
Tetrachloromethane	0,65	0,05	0,670	0,134	$\mu\text{g/l}$	103%
1,1-Dichloroethene	<0,2		<0,2		$\mu\text{g/l}$	•
Tribromomethane	<0,1		<0,1		$\mu\text{g/l}$	•
Bromodichloromethane	1,89	0,10	2,03	0,41	$\mu\text{g/l}$	107%
Dibromochloromethane	1,84	0,10	2,04	0,41	$\mu\text{g/l}$	111%
Dichloromethane	2,18	0,13	2,49	0,50	$\mu\text{g/l}$	114%
1,2-Dichloroethane	0,95	0,05	1,03	0,21	$\mu\text{g/l}$	108%
cis-1,2-Dichloroethene	1,69	0,09	1,41	0,28	$\mu\text{g/l}$	83%
trans-1,2-Dichloroethene	0,51	0,04	0,673	0,135	$\mu\text{g/l}$	132%



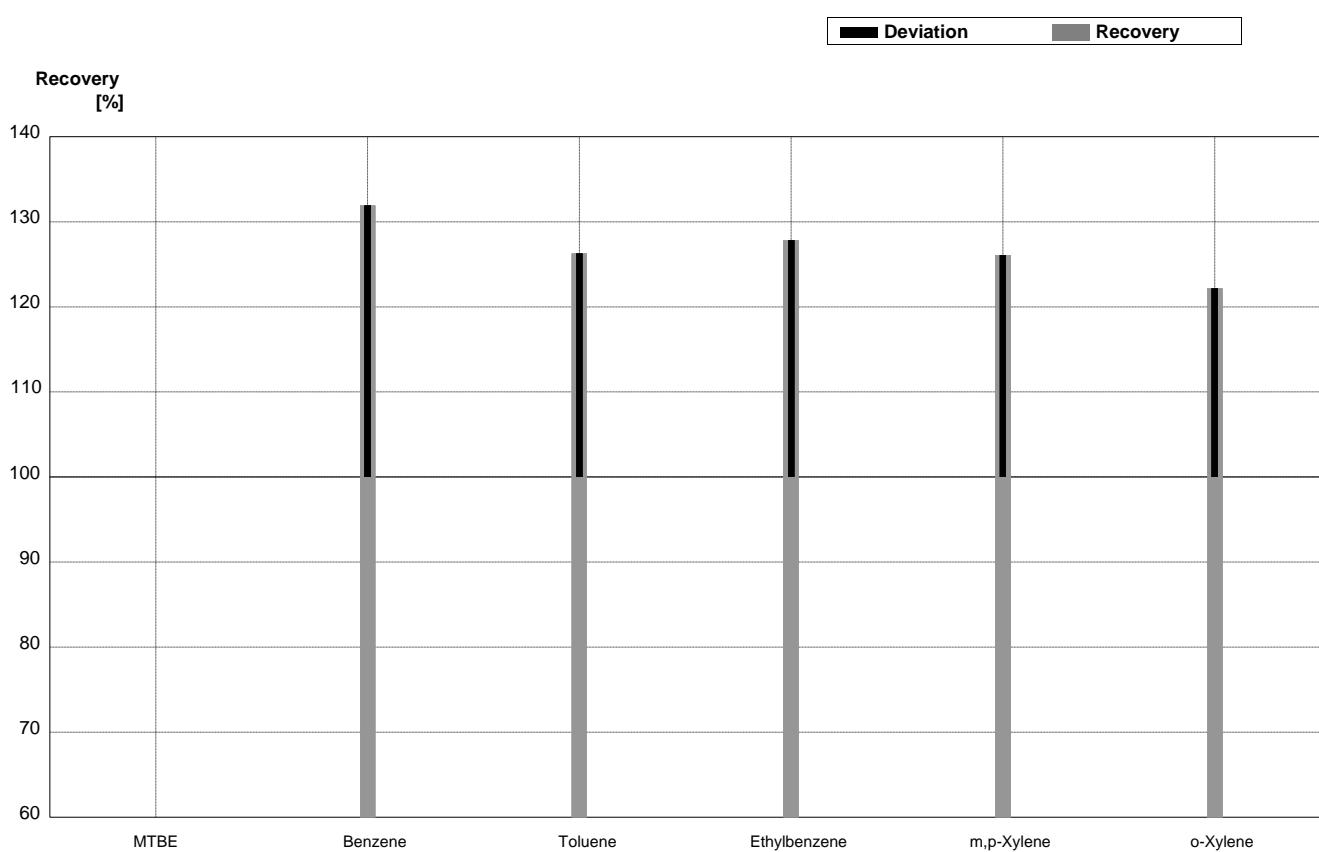
**Sample B-CB08A**  
**Laboratory L**

Parameter	Target value	$\pm U$ ( $k=2$ )	Result	$\pm$	Unit	Recovery
MTBE	0,51	0,08			$\mu\text{g/L}$	
Benzene	4,34	0,23	5,49	1,10	$\mu\text{g/L}$	126%
Toluene	4,74	0,26	5,69	1,14	$\mu\text{g/L}$	120%
Ethylbenzene	<0,1		<0,50		$\mu\text{g/L}$	•
m,p-Xylene	1,52	0,17	1,79	0,36	$\mu\text{g/L}$	118%
o-Xylene	0,96	0,12	1,15	0,23	$\mu\text{g/L}$	120%



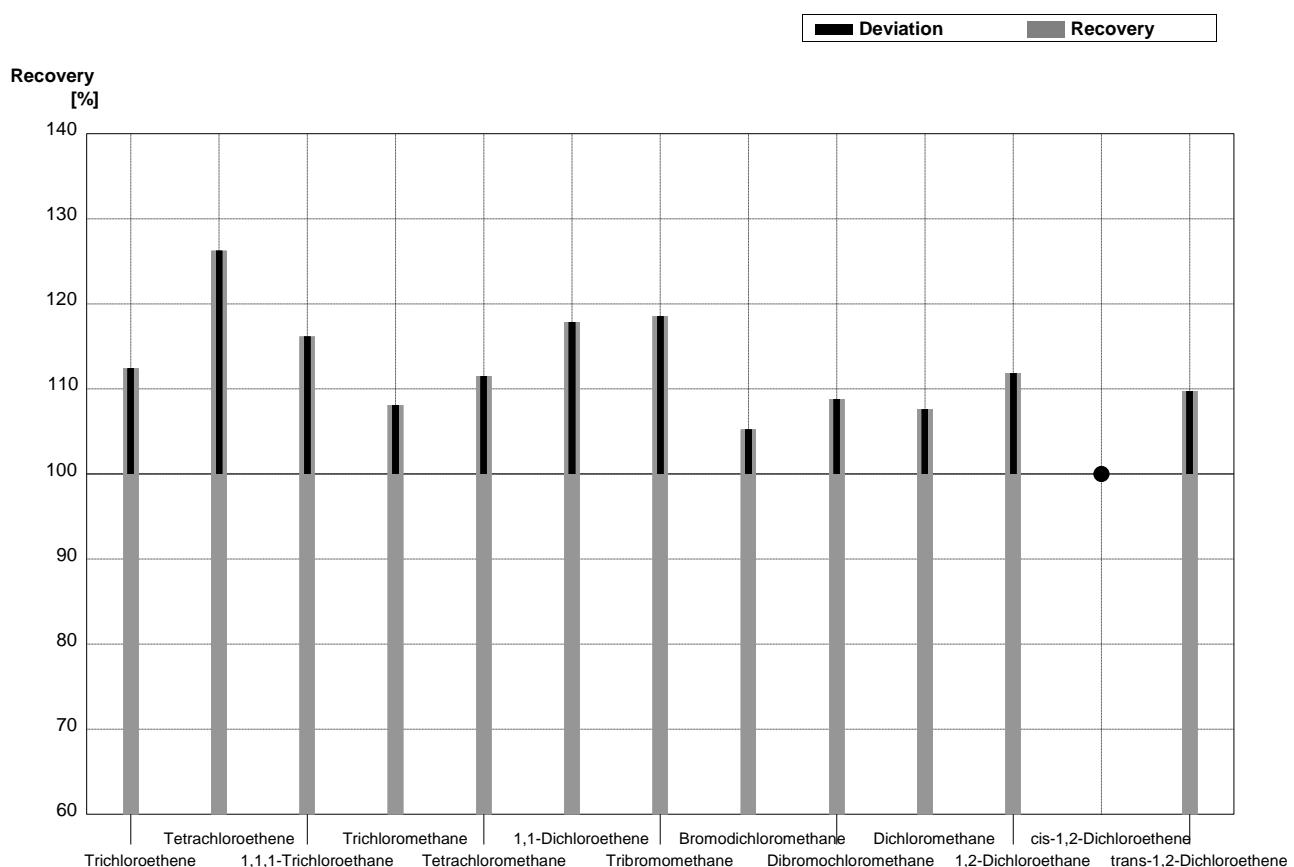
**Sample B-CB08B**  
**Laboratory L**

Parameter	Target value	$\pm U$ ( $k=2$ )	Result	$\pm$	Unit	Recovery
MTBE	2,28	0,14			$\mu\text{g/L}$	
Benzene	1,16	0,08	1,53	0,31	$\mu\text{g/L}$	132%
Toluene	2,40	0,15	3,03	0,61	$\mu\text{g/L}$	126%
Ethylbenzene	2,12	0,15	2,71	0,54	$\mu\text{g/L}$	128%
m,p-Xylene	5,10	0,30	6,43	1,29	$\mu\text{g/L}$	126%
o-Xylene	5,51	0,30	6,73	1,35	$\mu\text{g/L}$	122%



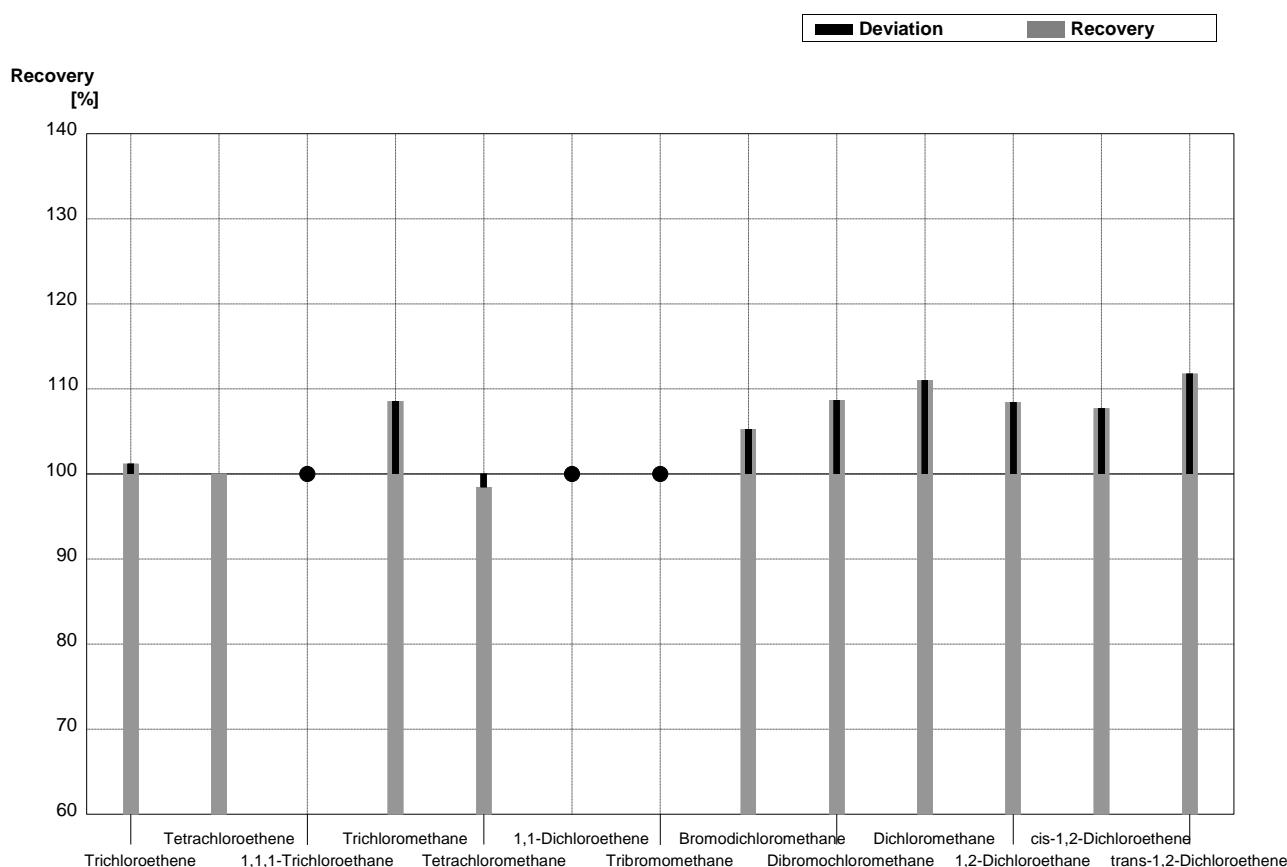
**Sample C-CB08A**  
**Laboratory L**

Parameter	Target value	$\pm U$ ( $k=2$ )	Result	$\pm$	Unit	Recovery
Trichloroethene	1,13	0,07	1,27	0,25	$\mu\text{g/l}$	112%
Tetrachloroethene	0,412	0,035	0,52	0,16	$\mu\text{g/l}$	126%
1,1,1-Trichloroethane	1,24	0,07	1,44	0,29	$\mu\text{g/l}$	116%
Trichloromethane	1,36	0,07	1,47	0,29	$\mu\text{g/l}$	108%
Tetrachloromethane	1,57	0,09	1,75	0,35	$\mu\text{g/l}$	111%
1,1-Dichloroethene	1,96	0,11	2,31	0,46	$\mu\text{g/l}$	118%
Tribromomethane	1,51	0,11	1,79	0,36	$\mu\text{g/l}$	119%
Bromodichloromethane	0,96	0,06	1,01	0,30	$\mu\text{g/l}$	105%
Dibromochloromethane	1,25	0,08	1,36	0,27	$\mu\text{g/l}$	109%
Dichloromethane	0,92	0,09	0,99	0,30	$\mu\text{g/l}$	108%
1,2-Dichloroethane	2,11	0,11	2,36	0,47	$\mu\text{g/l}$	112%
cis-1,2-Dichloroethene	<0,1		<0,50		$\mu\text{g/l}$	•
trans-1,2-Dichloroethene	1,95	0,10	2,14	0,43	$\mu\text{g/l}$	110%



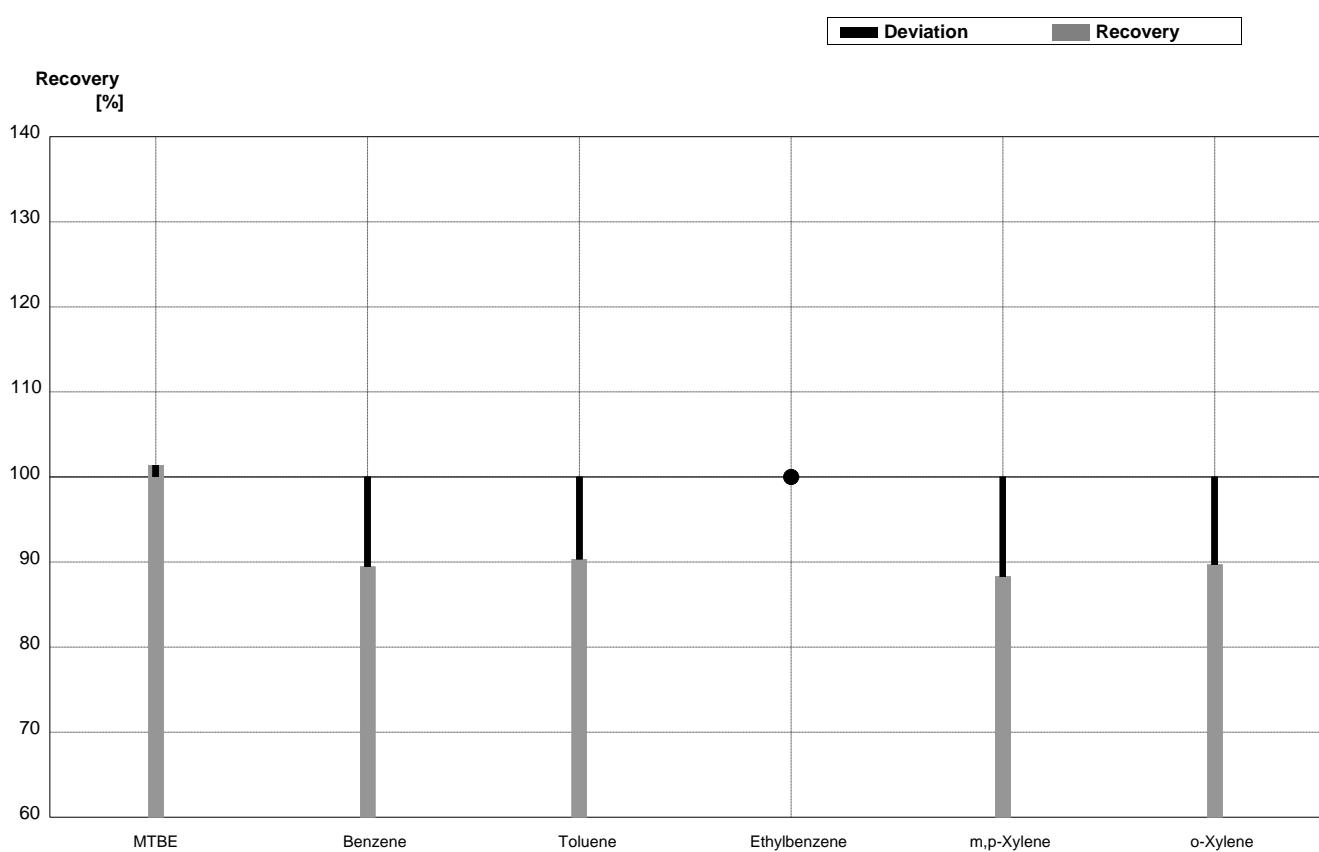
**Sample C-CB08B**  
**Laboratory L**

Parameter	Target value	± U (k=2)	Result	±	Unit	Recovery
Trichloroethene	1,70	0,09	1,72	0,34	µg/l	101%
Tetrachloroethene	1,23	0,07	1,23	0,25	µg/l	100%
1,1,1-Trichloroethane	<0,1		<0,50		µg/l	•
Trichloromethane	2,22	0,12	2,41	0,48	µg/l	109%
Tetrachloromethane	0,65	0,05	0,64	0,19	µg/l	98%
1,1-Dichloroethene	<0,2		<0,50		µg/l	•
Tribromomethane	<0,1		<0,50		µg/l	•
Bromodichloromethane	1,89	0,10	1,99	0,40	µg/l	105%
Dibromochloromethane	1,84	0,10	2,00	0,40	µg/l	109%
Dichloromethane	2,18	0,13	2,42	0,48	µg/l	111%
1,2-Dichloroethane	0,95	0,05	1,03	0,31	µg/l	108%
cis-1,2-Dichloroethene	1,69	0,09	1,82	0,36	µg/l	108%
trans-1,2-Dichloroethene	0,51	0,04	0,57	0,17	µg/l	112%



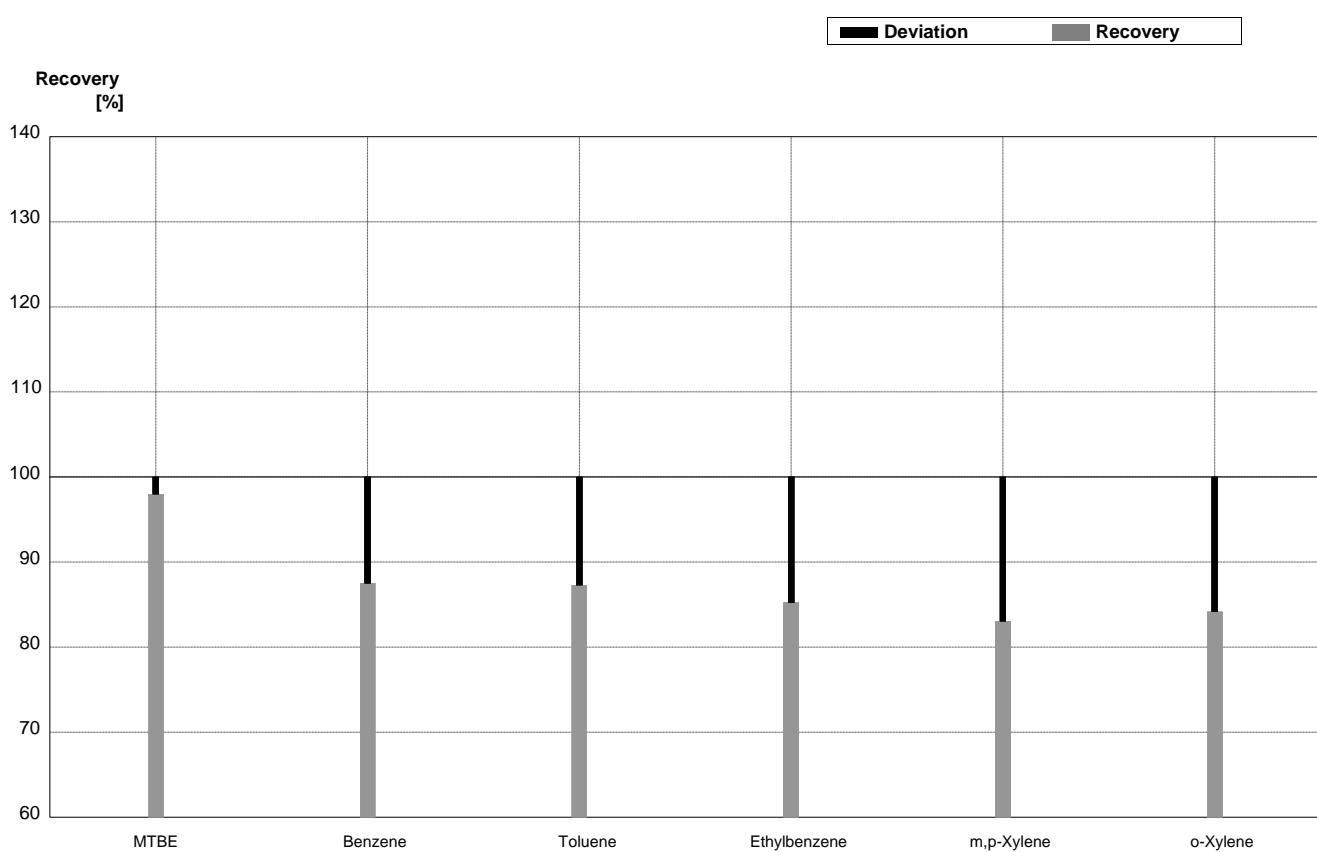
**Sample B-CB08A**  
**Laboratory M**

Parameter	Target value	$\pm U$ ( $k=2$ )	Result	$\pm$	Unit	Recovery
MTBE	0,51	0,08	0,517	0,155	$\mu\text{g/L}$	101%
Benzene	4,34	0,23	3,882	1,165	$\mu\text{g/L}$	89%
Toluene	4,74	0,26	4,282	1,284	$\mu\text{g/L}$	90%
Ethylbenzene	<0,1		<0,100		$\mu\text{g/L}$	•
m,p-Xylene	1,52	0,17	1,342	0,403	$\mu\text{g/L}$	88%
o-Xylene	0,96	0,12	0,861	0,258	$\mu\text{g/L}$	90%



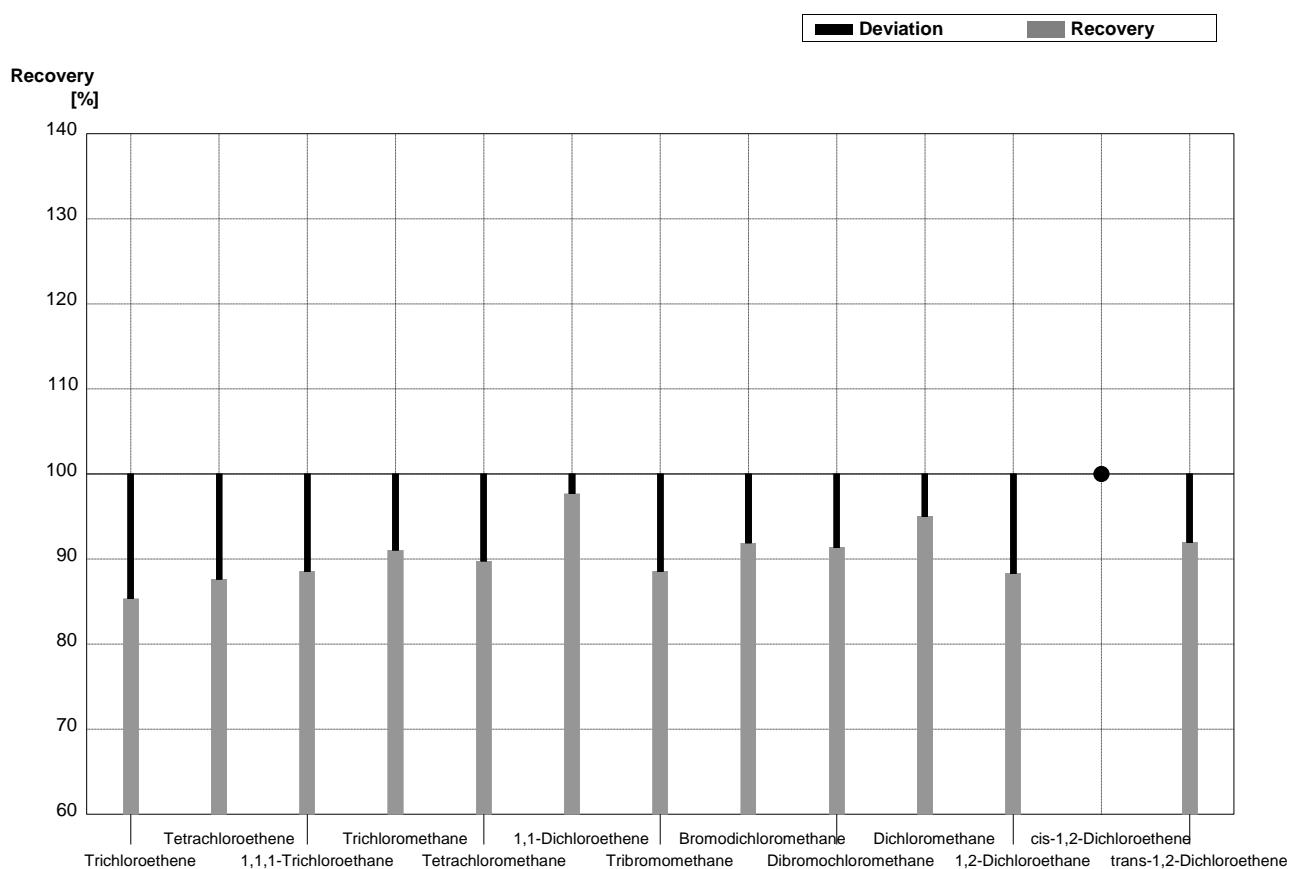
**Sample B-CB08B**  
**Laboratory M**

Parameter	Target value	$\pm U$ ( $k=2$ )	Result	$\pm$	Unit	Recovery
MTBE	2,28	0,14	2,234	0,670	$\mu\text{g/L}$	98%
Benzene	1,16	0,08	1,015	0,305	$\mu\text{g/L}$	88%
Toluene	2,40	0,15	2,095	0,629	$\mu\text{g/L}$	87%
Ethylbenzene	2,12	0,15	1,807	0,542	$\mu\text{g/L}$	85%
m,p-Xylene	5,10	0,30	4,235	1,271	$\mu\text{g/L}$	83%
o-Xylene	5,51	0,30	4,637	1,391	$\mu\text{g/L}$	84%



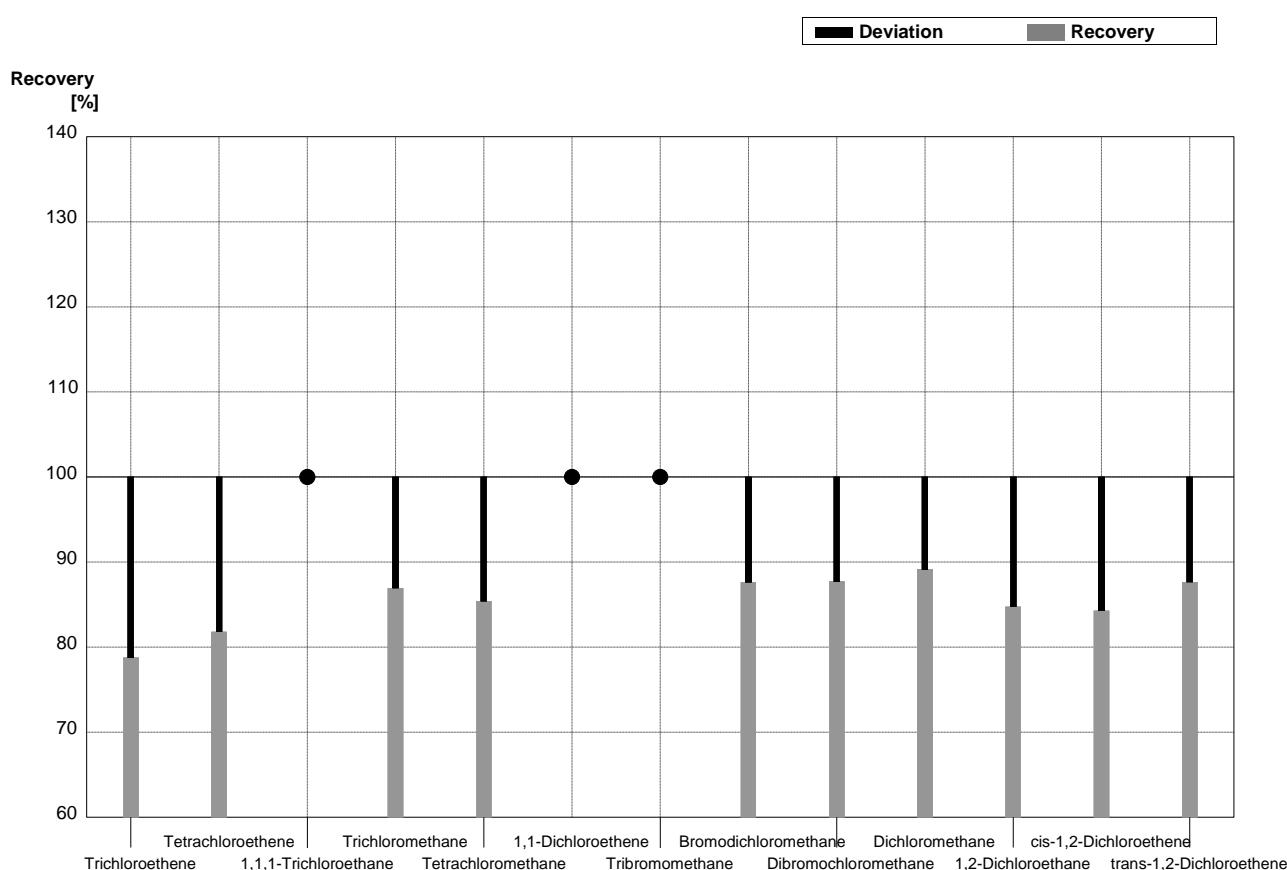
**Sample C-CB08A**  
**Laboratory M**

Parameter	Target value	$\pm U$ ( $k=2$ )	Result	$\pm$	Unit	Recovery
Trichloroethene	1,13	0,07	0,964	0,289	$\mu\text{g/l}$	85%
Tetrachloroethene	0,412	0,035	0,361	0,108	$\mu\text{g/l}$	88%
1,1,1-Trichloroethane	1,24	0,07	1,098	0,330	$\mu\text{g/l}$	89%
Trichloromethane	1,36	0,07	1,238	0,372	$\mu\text{g/l}$	91%
Tetrachloromethane	1,57	0,09	1,409	0,423	$\mu\text{g/l}$	90%
1,1-Dichloroethene	1,96	0,11	1,914	0,574	$\mu\text{g/l}$	98%
Tribromomethane	1,51	0,11	1,337	0,401	$\mu\text{g/l}$	89%
Bromodichloromethane	0,96	0,06	0,882	0,265	$\mu\text{g/l}$	92%
Dibromochloromethane	1,25	0,08	1,142	0,343	$\mu\text{g/l}$	91%
Dichloromethane	0,92	0,09	0,874	0,262	$\mu\text{g/l}$	95%
1,2-Dichloroethane	2,11	0,11	1,863	0,559	$\mu\text{g/l}$	88%
cis-1,2-Dichloroethene	<0,1		<0,100		$\mu\text{g/l}$	•
trans-1,2-Dichloroethene	1,95	0,10	1,793	0,538	$\mu\text{g/l}$	92%



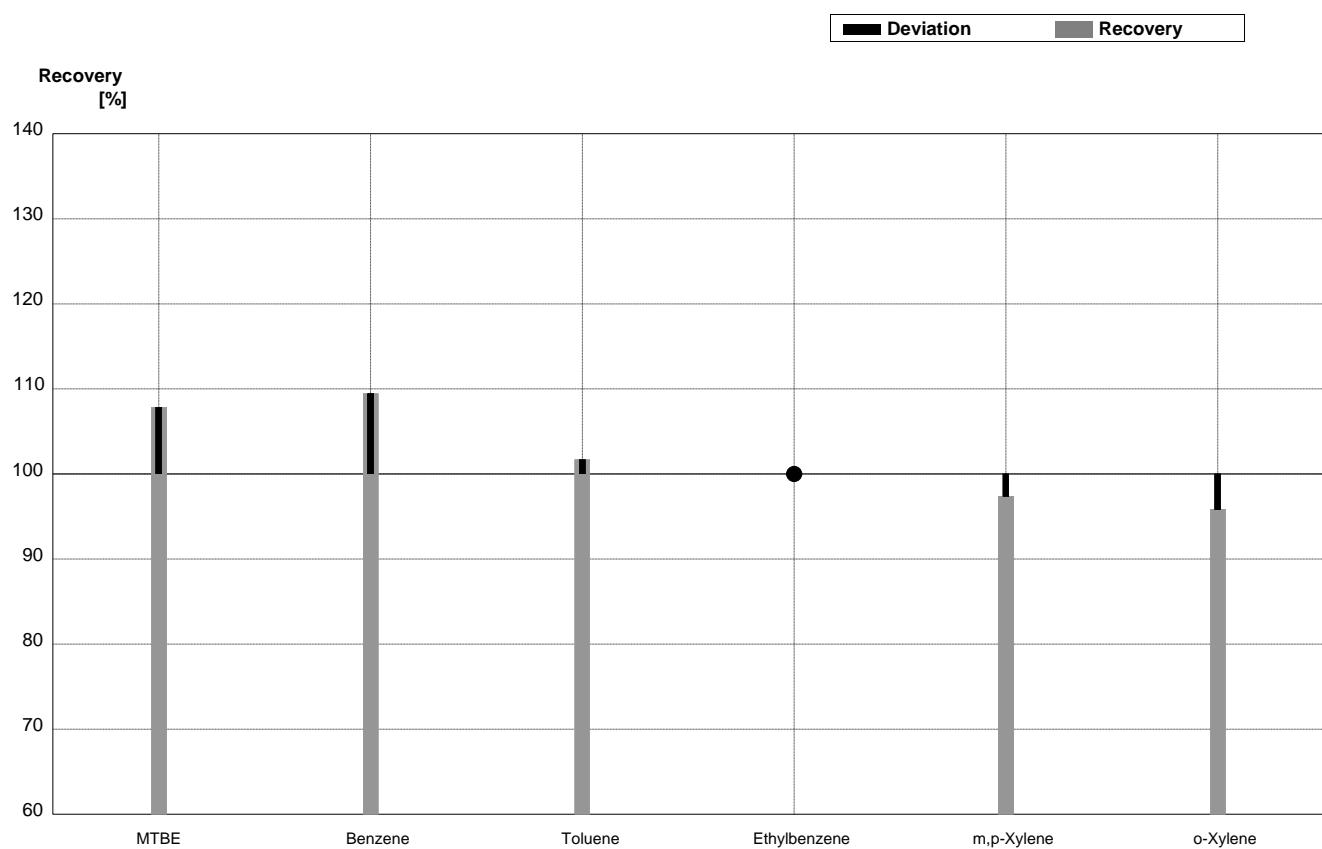
**Sample C-CB08B**  
**Laboratory M**

Parameter	Target value	$\pm U$ ( $k=2$ )	Result	$\pm$	Unit	Recovery
Trichloroethene	1,70	0,09	1,339	0,402	$\mu\text{g/l}$	79%
Tetrachloroethene	1,23	0,07	1,006	0,302	$\mu\text{g/l}$	82%
1,1,1-Trichloroethane	<0,1		<0,100		$\mu\text{g/l}$	•
Trichloromethane	2,22	0,12	1,930	0,579	$\mu\text{g/l}$	87%
Tetrachloromethane	0,65	0,05	0,555	0,167	$\mu\text{g/l}$	85%
1,1-Dichloroethene	<0,2		<0,100		$\mu\text{g/l}$	•
Tribromomethane	<0,1		<0,100		$\mu\text{g/l}$	•
Bromodichloromethane	1,89	0,10	1,656	0,497	$\mu\text{g/l}$	88%
Dibromochloromethane	1,84	0,10	1,614	0,484	$\mu\text{g/l}$	88%
Dichloromethane	2,18	0,13	1,943	0,583	$\mu\text{g/l}$	89%
1,2-Dichloroethane	0,95	0,05	0,805	0,242	$\mu\text{g/l}$	85%
cis-1,2-Dichloroethene	1,69	0,09	1,424	0,427	$\mu\text{g/l}$	84%
trans-1,2-Dichloroethene	0,51	0,04	0,447	0,134	$\mu\text{g/l}$	88%



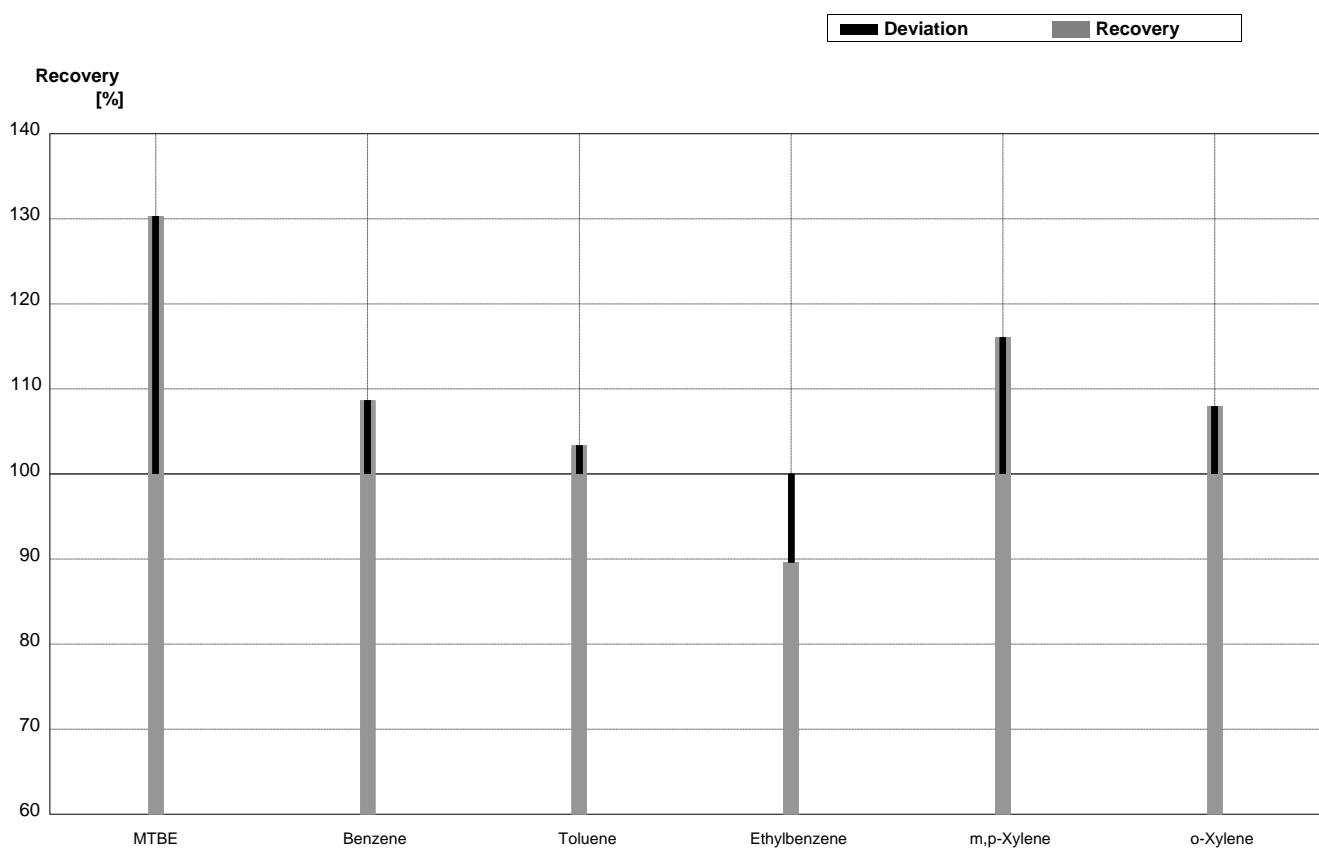
**Sample B-CB08A**  
**Laboratory N**

Parameter	Target value	$\pm U$ ( $k=2$ )	Result	$\pm$	Unit	Recovery
MTBE	0,51	0,08	0,55	0,17	$\mu\text{g/L}$	108%
Benzene	4,34	0,23	4,75	1,42	$\mu\text{g/L}$	109%
Toluene	4,74	0,26	4,82	1,45	$\mu\text{g/L}$	102%
Ethylbenzene	<0,1		<0,10		$\mu\text{g/L}$	•
m,p-Xylene	1,52	0,17	1,48	0,44	$\mu\text{g/L}$	97%
o-Xylene	0,96	0,12	0,92	0,28	$\mu\text{g/L}$	96%



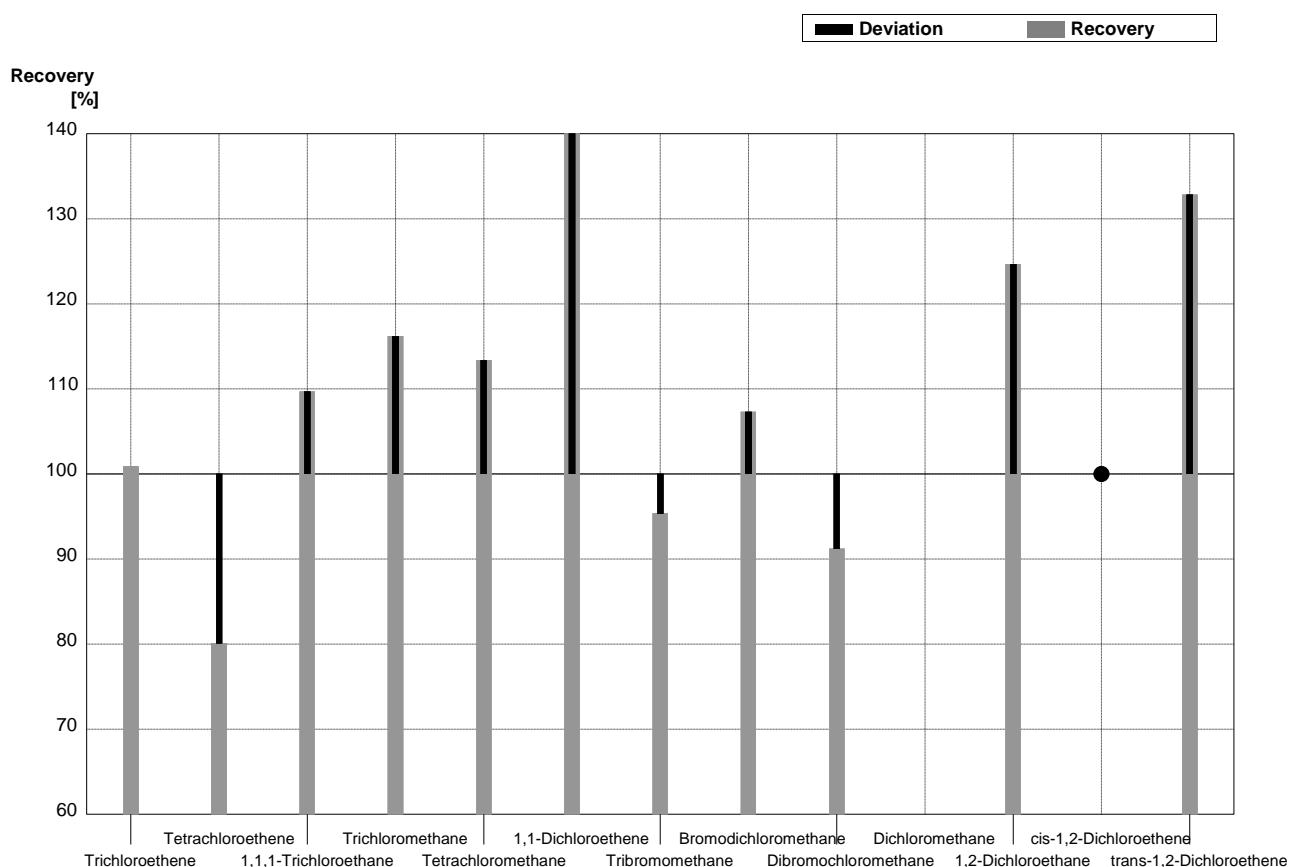
**Sample      B-CB08B**  
**Laboratory N**

Parameter	Target value	$\pm U$ ( $k=2$ )	Result	$\pm$	Unit	Recovery
MTBE	2,28	0,14	2,97	0,89	$\mu\text{g/L}$	130%
Benzene	1,16	0,08	1,26	0,38	$\mu\text{g/L}$	109%
Toluene	2,40	0,15	2,48	0,74	$\mu\text{g/L}$	103%
Ethylbenzene	2,12	0,15	1,90	0,57	$\mu\text{g/L}$	90%
m,p-Xylene	5,10	0,30	5,92	1,78	$\mu\text{g/L}$	116%
o-Xylene	5,51	0,30	5,95	1,78	$\mu\text{g/L}$	108%



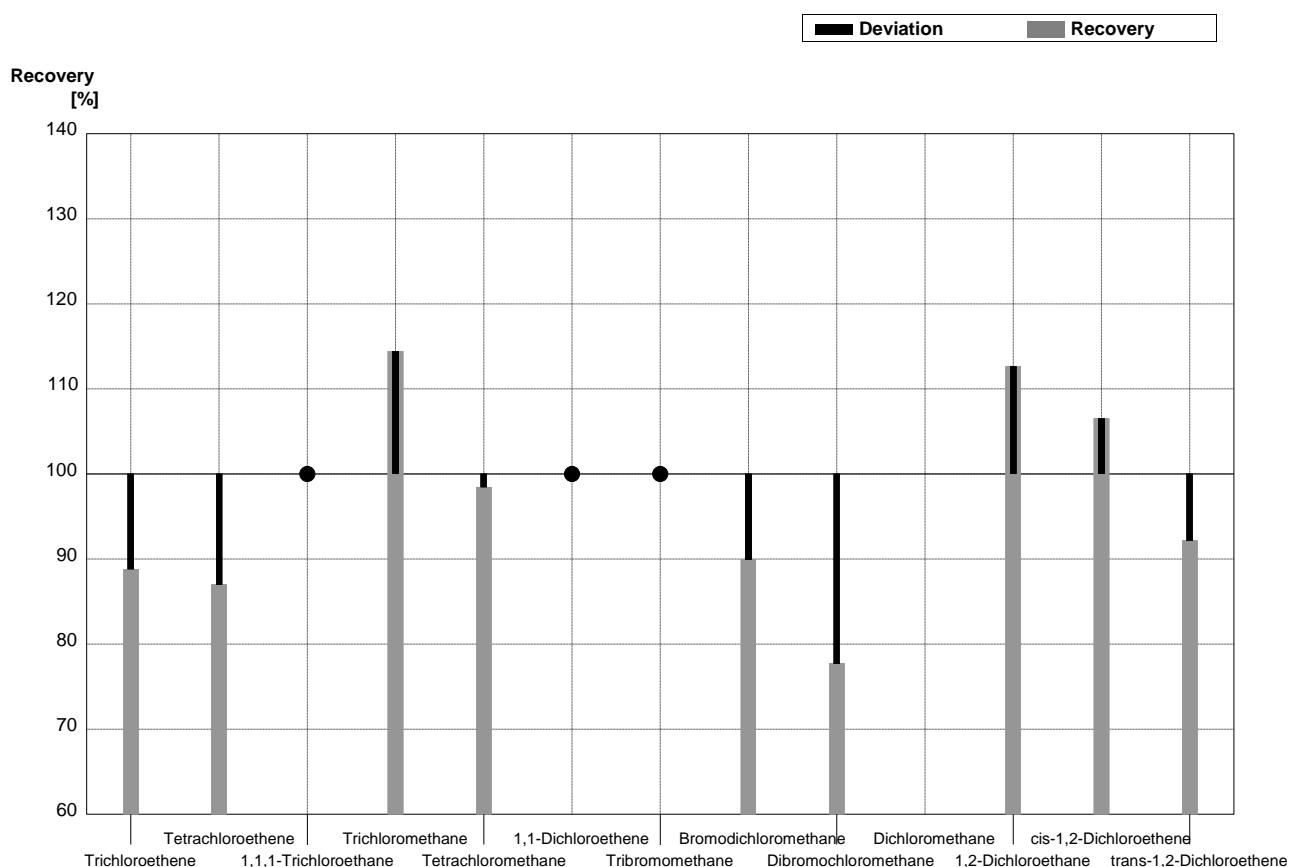
**Sample C-CB08A**  
**Laboratory N**

Parameter	Target value	± U (k=2)	Result	±	Unit	Recovery
Trichloroethene	1,13	0,07	1,14	0,34	µg/l	101%
Tetrachloroethene	0,412	0,035	0,330	0,100	µg/l	80%
1,1,1-Trichloroethane	1,24	0,07	1,36	0,41	µg/l	110%
Trichloromethane	1,36	0,07	1,58	0,47	µg/l	116%
Tetrachloromethane	1,57	0,09	1,78	0,54	µg/l	113%
1,1-Dichloroethene	1,96	0,11	3,01	0,90	µg/l	154%
Tribromomethane	1,51	0,11	1,44	0,43	µg/l	95%
Bromodichloromethane	0,96	0,06	1,03	0,31	µg/l	107%
Dibromochloromethane	1,25	0,08	1,14	0,34	µg/l	91%
Dichloromethane	0,92	0,09			µg/l	
1,2-Dichloroethane	2,11	0,11	2,63	0,79	µg/l	125%
cis-1,2-Dichloroethene	<0,1		<0,100		µg/l	•
trans-1,2-Dichloroethene	1,95	0,10	2,59	0,78	µg/l	133%



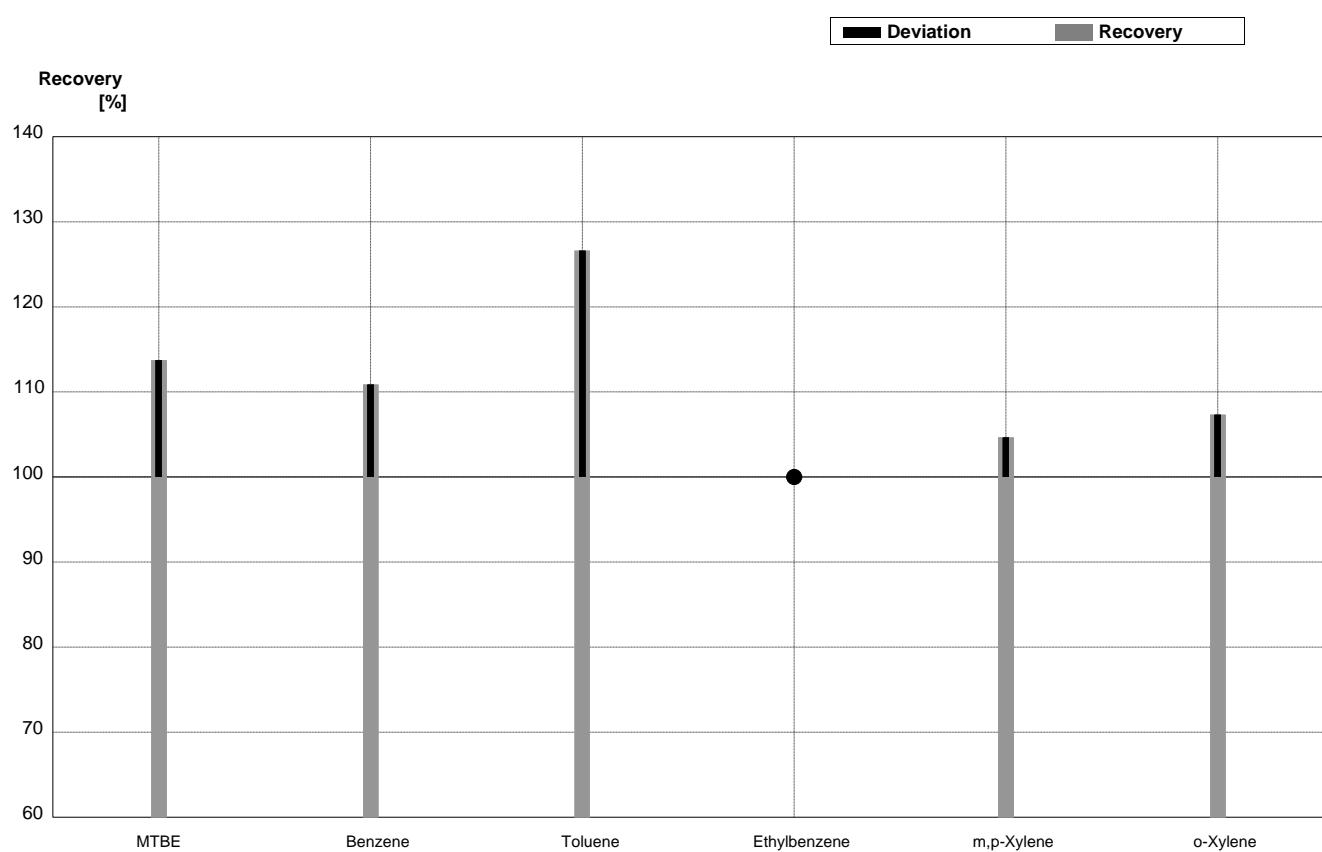
**Sample C-CB08B**  
**Laboratory N**

Parameter	Target value	$\pm U$ ( $k=2$ )	Result	$\pm$	Unit	Recovery
Trichloroethene	1,70	0,09	1,51	0,45	$\mu\text{g/l}$	89%
Tetrachloroethene	1,23	0,07	1,07	0,32	$\mu\text{g/l}$	87%
1,1,1-Trichloroethane	<0,1		<0,100		$\mu\text{g/l}$	•
Trichloromethane	2,22	0,12	2,54	0,76	$\mu\text{g/l}$	114%
Tetrachloromethane	0,65	0,05	0,640	0,190	$\mu\text{g/l}$	98%
1,1-Dichloroethene	<0,2		<0,100		$\mu\text{g/l}$	•
Tribromomethane	<0,1		<0,100		$\mu\text{g/l}$	•
Bromodichloromethane	1,89	0,10	1,70	0,51	$\mu\text{g/l}$	90%
Dibromochloromethane	1,84	0,10	1,43	0,43	$\mu\text{g/l}$	78%
Dichloromethane	2,18	0,13			$\mu\text{g/l}$	
1,2-Dichloroethane	0,95	0,05	1,07	0,32	$\mu\text{g/l}$	113%
cis-1,2-Dichloroethene	1,69	0,09	1,80	0,54	$\mu\text{g/l}$	107%
trans-1,2-Dichloroethene	0,51	0,04	0,470	0,140	$\mu\text{g/l}$	92%



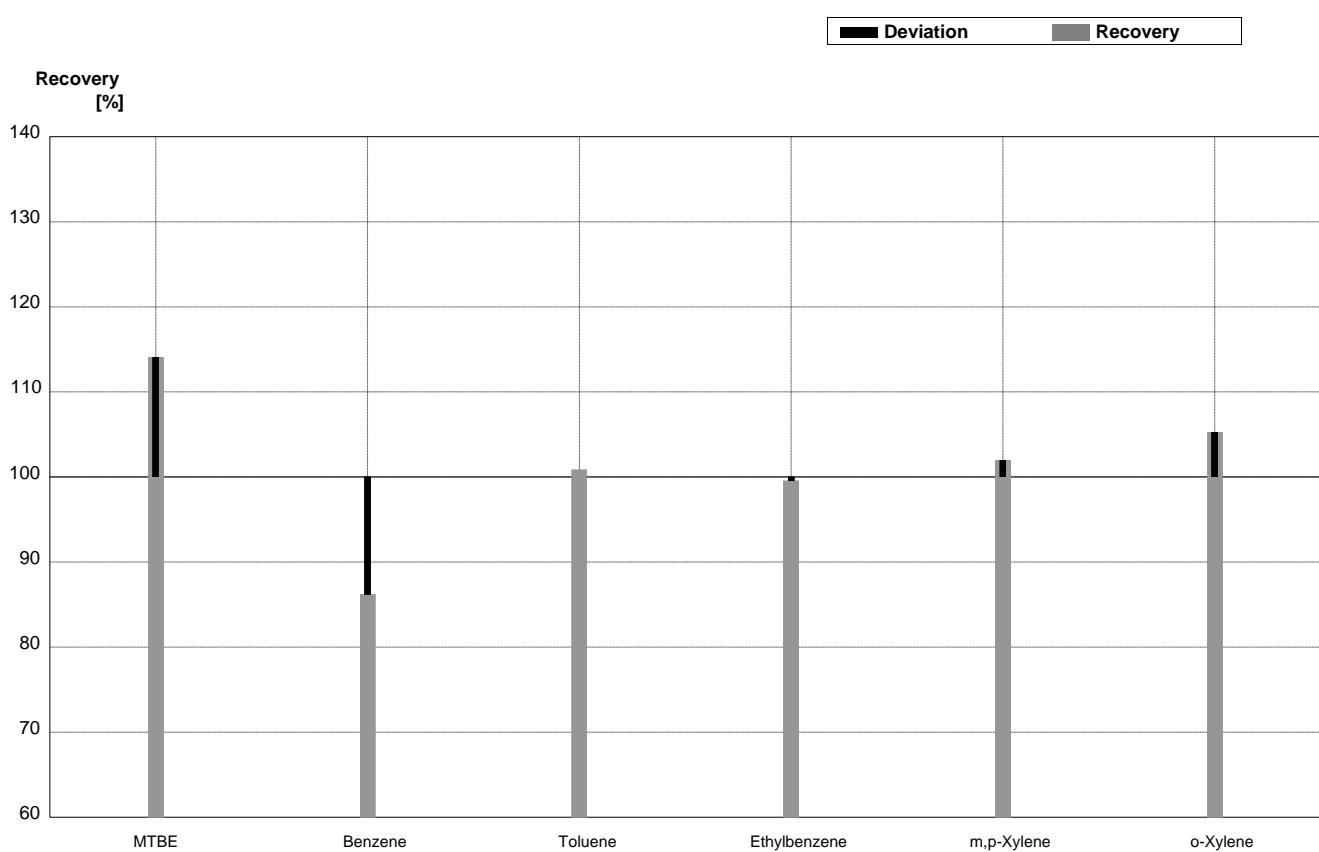
**Sample      B-CB08A**  
**Laboratory O**

Parameter	Target value	$\pm U$ ( $k=2$ )	Result	$\pm$	Unit	Recovery
MTBE	0,51	0,08	0,58	0,12	$\mu\text{g/L}$	114%
Benzene	4,34	0,23	4,81	0,96	$\mu\text{g/L}$	111%
Toluene	4,74	0,26	6,0	1,20	$\mu\text{g/L}$	127%
Ethylbenzene	<0,1		<0,40		$\mu\text{g/L}$	•
m,p-Xylene	1,52	0,17	1,59	0,32	$\mu\text{g/L}$	105%
o-Xylene	0,96	0,12	1,03	0,21	$\mu\text{g/L}$	107%



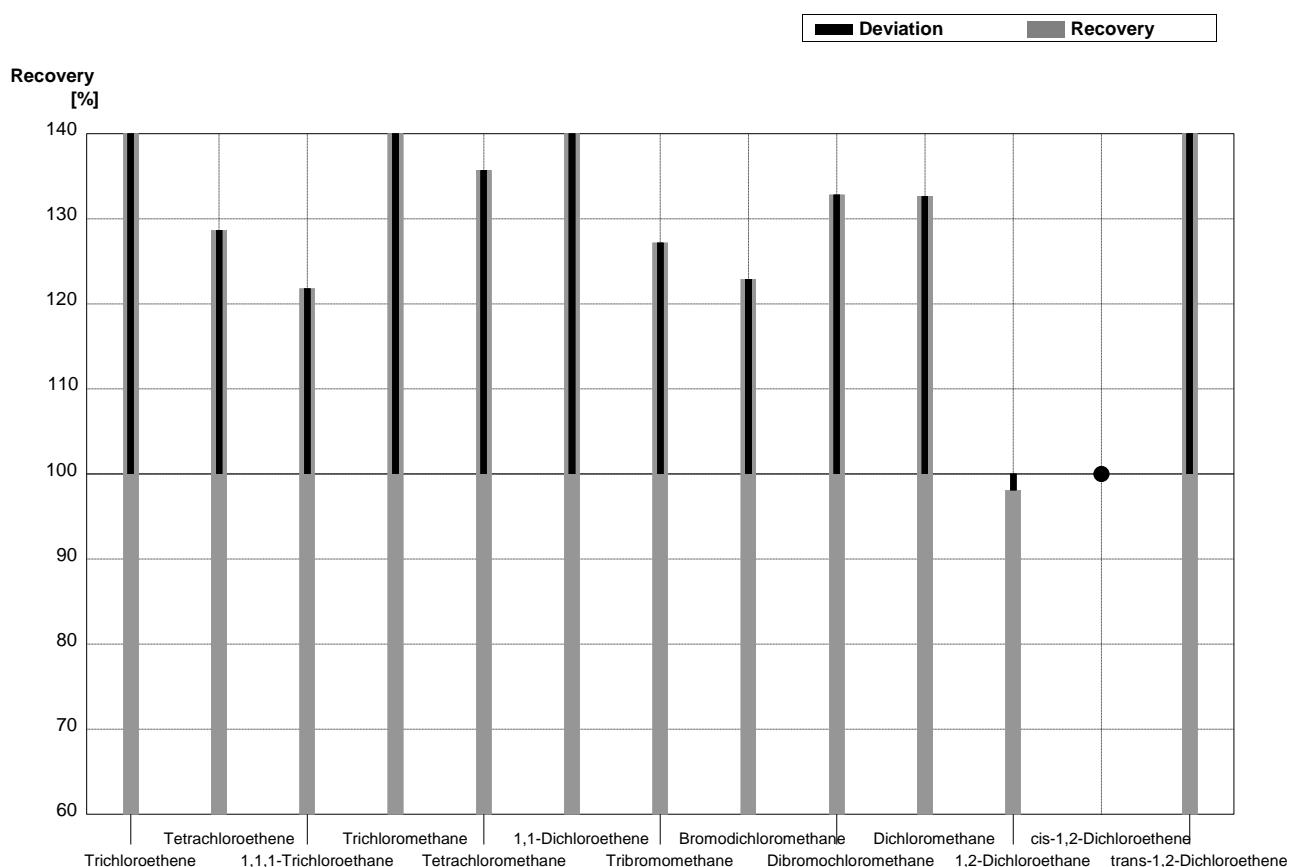
**Sample      B-CB08B**  
**Laboratory O**

Parameter	Target value	$\pm U$ ( $k=2$ )	Result	$\pm$	Unit	Recovery
MTBE	2,28	0,14	2,60	0,52	$\mu\text{g/L}$	114%
Benzene	1,16	0,08	1,00	0,20	$\mu\text{g/L}$	86%
Toluene	2,40	0,15	2,42	0,48	$\mu\text{g/L}$	101%
Ethylbenzene	2,12	0,15	2,11	0,42	$\mu\text{g/L}$	100%
m,p-Xylene	5,10	0,30	5,2	1,04	$\mu\text{g/L}$	102%
o-Xylene	5,51	0,30	5,8	1,17	$\mu\text{g/L}$	105%



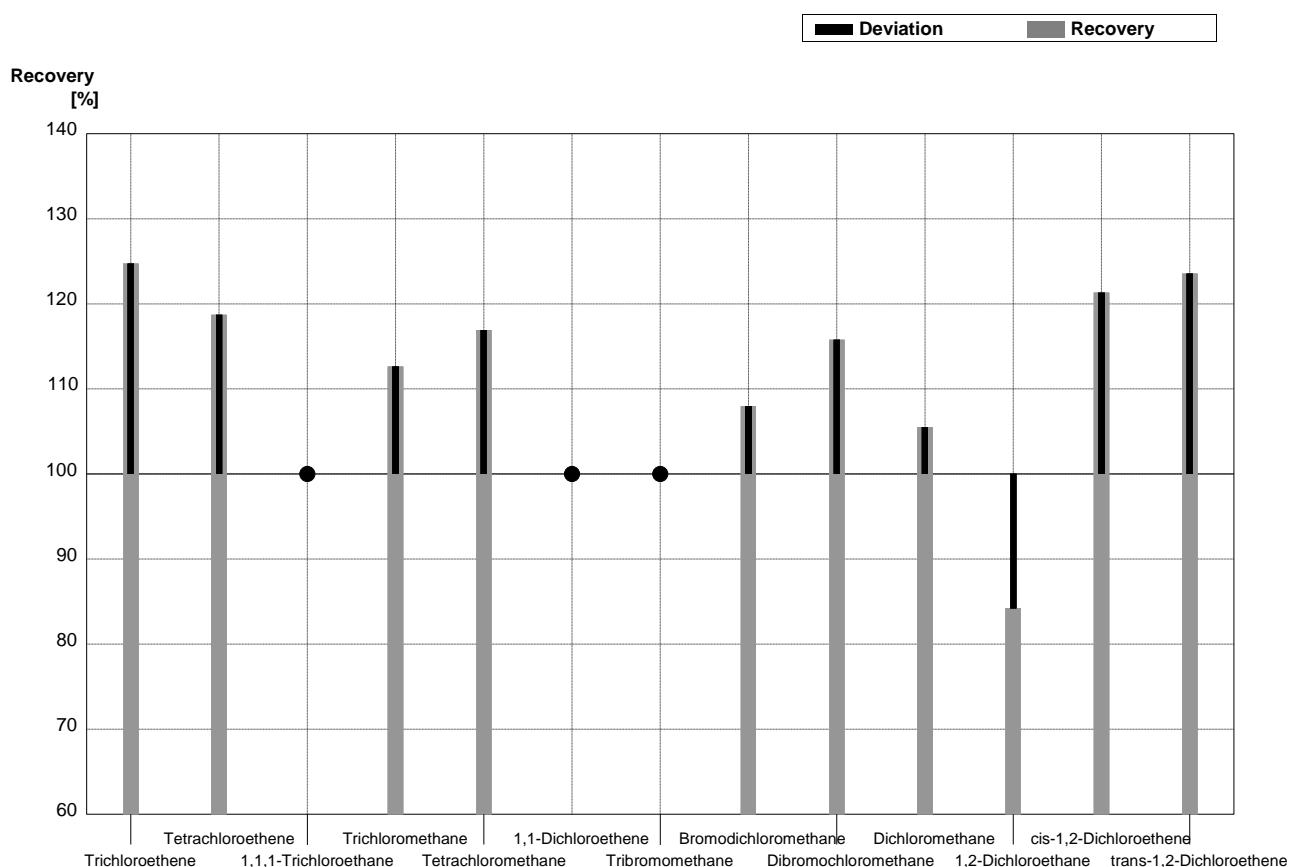
**Sample C-CB08A**  
**Laboratory O**

Parameter	Target value	$\pm U$ ( $k=2$ )	Result	$\pm$	Unit	Recovery
Trichloroethene	1,13	0,07	1,64	0,33	$\mu\text{g/l}$	145%
Tetrachloroethene	0,412	0,035	0,53	0,11	$\mu\text{g/l}$	129%
1,1,1-Trichloroethane	1,24	0,07	1,51	0,30	$\mu\text{g/l}$	122%
Trichloromethane	1,36	0,07	2,31	0,46	$\mu\text{g/l}$	170%
Tetrachloromethane	1,57	0,09	2,13	0,43	$\mu\text{g/l}$	136%
1,1-Dichloroethene	1,96	0,11	3,29	0,66	$\mu\text{g/l}$	168%
Tribromomethane	1,51	0,11	1,92	0,38	$\mu\text{g/l}$	127%
Bromodichloromethane	0,96	0,06	1,18	0,24	$\mu\text{g/l}$	123%
Dibromochloromethane	1,25	0,08	1,66	0,33	$\mu\text{g/l}$	133%
Dichloromethane	0,92	0,09	1,22	0,24	$\mu\text{g/l}$	133%
1,2-Dichloroethane	2,11	0,11	2,07	0,41	$\mu\text{g/l}$	98%
cis-1,2-Dichloroethene	<0,1		<0,10		$\mu\text{g/l}$	•
trans-1,2-Dichloroethene	1,95	0,10	2,91	0,58	$\mu\text{g/l}$	149%



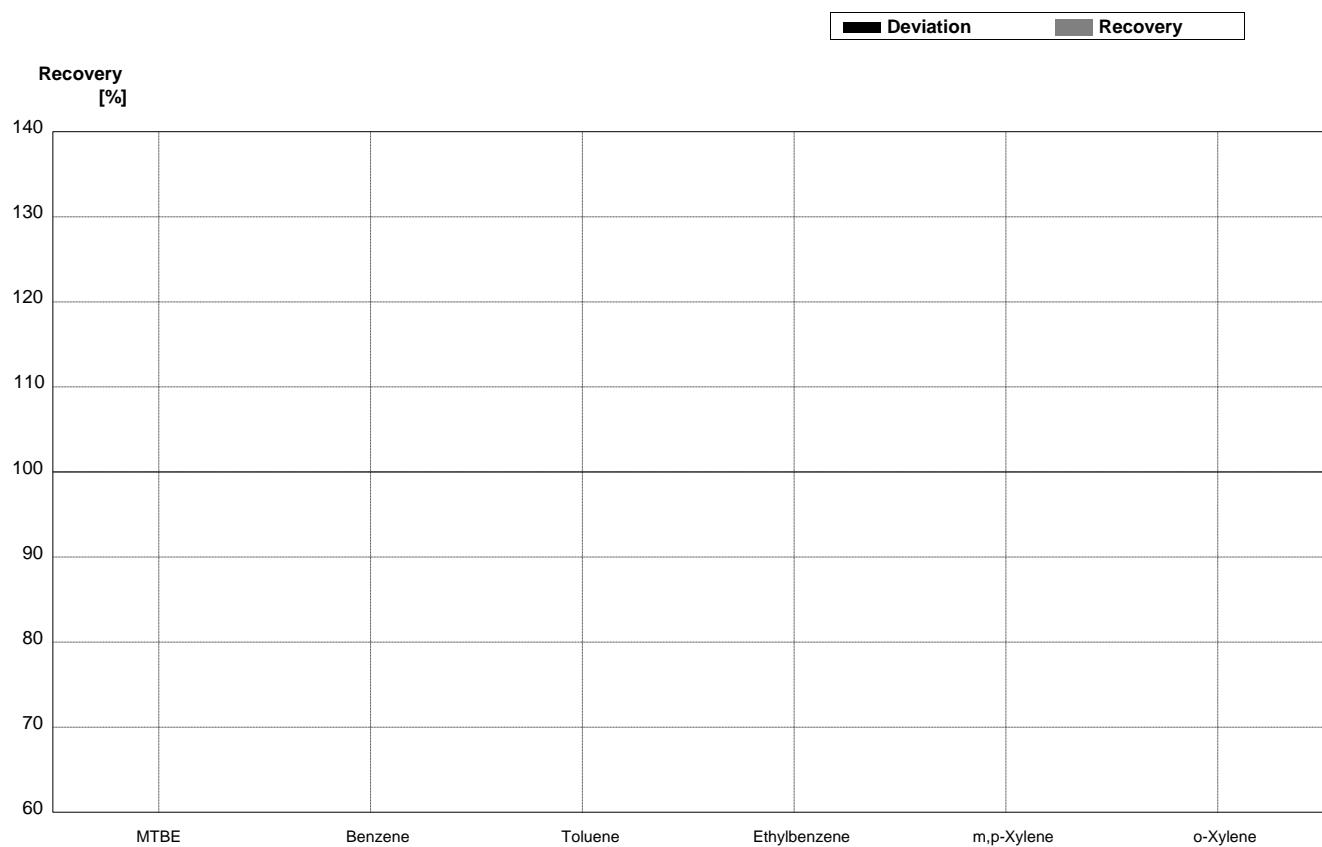
**Sample C-CB08B**  
**Laboratory O**

Parameter	Target value	$\pm U$ ( $k=2$ )	Result	$\pm$	Unit	Recovery
Trichloroethene	1,70	0,09	2,12	0,43	$\mu\text{g/l}$	125%
Tetrachloroethene	1,23	0,07	1,46	0,29	$\mu\text{g/l}$	119%
1,1,1-Trichloroethane	<0,1		<0,10		$\mu\text{g/l}$	•
Trichloromethane	2,22	0,12	2,50	0,50	$\mu\text{g/l}$	113%
Tetrachloromethane	0,65	0,05	0,76	0,15	$\mu\text{g/l}$	117%
1,1-Dichloroethene	<0,2		<0,10		$\mu\text{g/l}$	•
Tribromomethane	<0,1		<0,10		$\mu\text{g/l}$	•
Bromodichloromethane	1,89	0,10	2,04	0,41	$\mu\text{g/l}$	108%
Dibromochloromethane	1,84	0,10	2,13	0,43	$\mu\text{g/l}$	116%
Dichloromethane	2,18	0,13	2,30	0,46	$\mu\text{g/l}$	106%
1,2-Dichloroethane	0,95	0,05	0,80	0,16	$\mu\text{g/l}$	84%
cis-1,2-Dichloroethene	1,69	0,09	2,05	0,41	$\mu\text{g/l}$	121%
trans-1,2-Dichloroethene	0,51	0,04	0,63	0,13	$\mu\text{g/l}$	124%



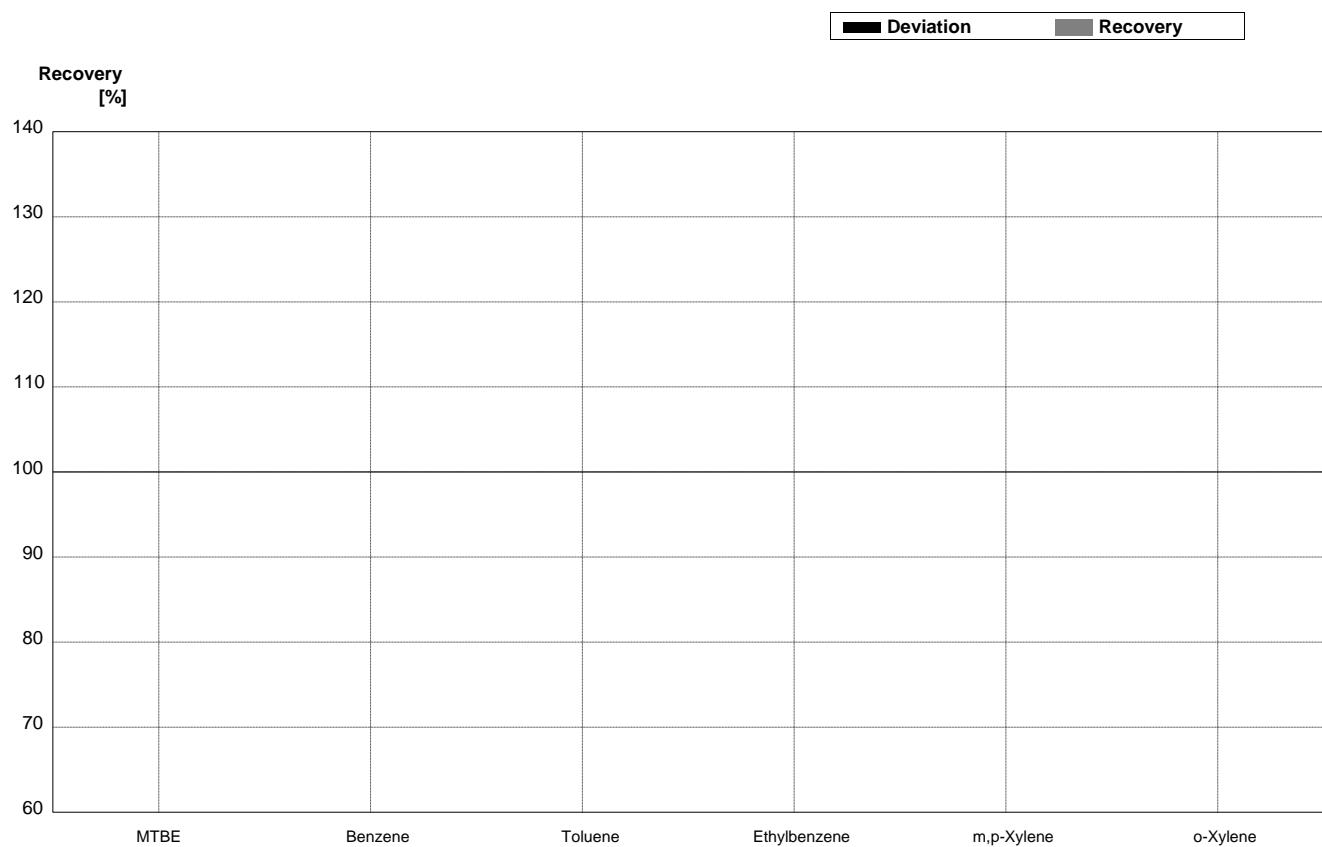
**Sample      B-CB08A**  
**Laboratory P**

Parameter	Target value	± U (k=2)	Result	±	Unit	Recovery
MTBE	0,51	0,08			µg/L	
Benzene	4,34	0,23			µg/L	
Toluene	4,74	0,26			µg/L	
Ethylbenzene	<0,1				µg/L	
m,p-Xylene	1,52	0,17			µg/L	
o-Xylene	0,96	0,12			µg/L	



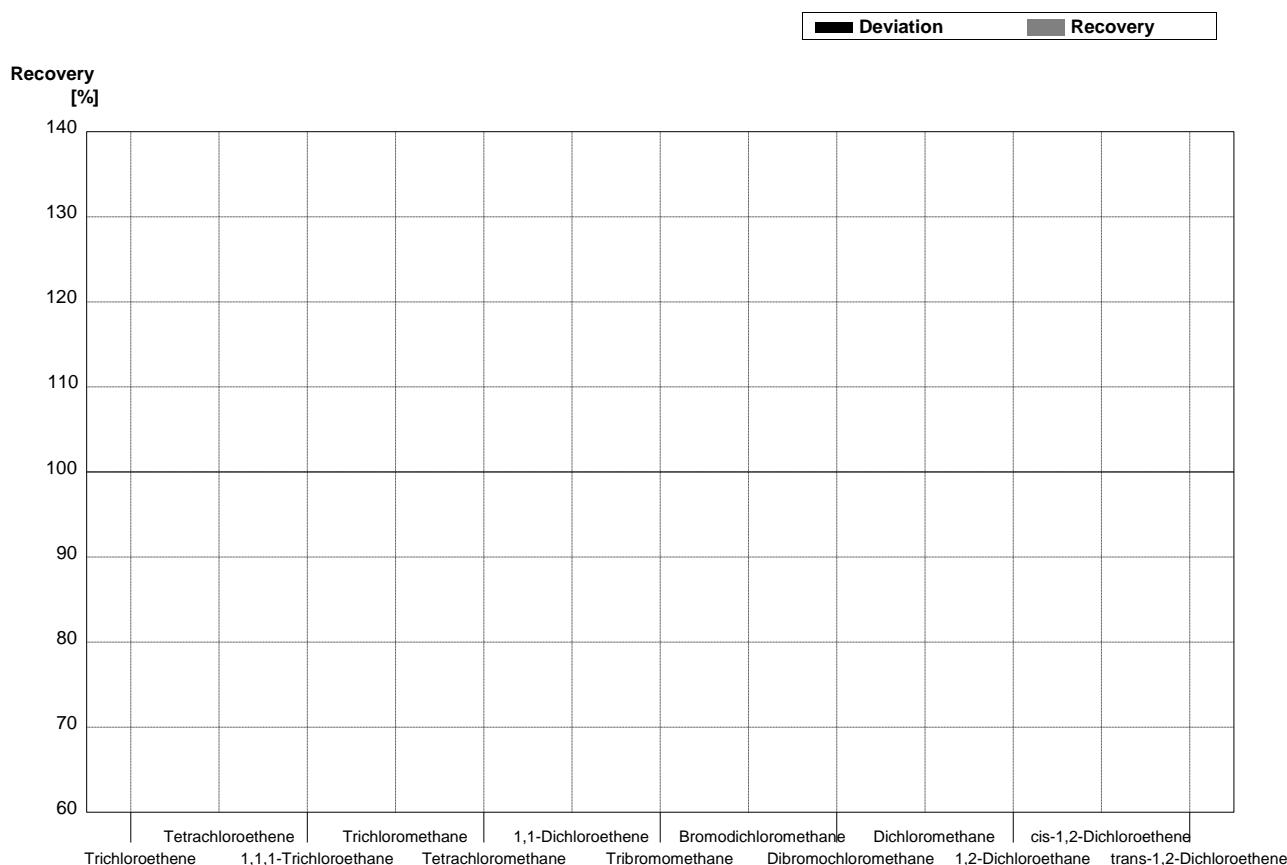
**Sample      B-CB08B**  
**Laboratory P**

Parameter	Target value	± U (k=2)	Result	±	Unit	Recovery
MTBE	2,28	0,14			µg/L	
Benzene	1,16	0,08			µg/L	
Toluene	2,40	0,15			µg/L	
Ethylbenzene	2,12	0,15			µg/L	
m,p-Xylene	5,10	0,30			µg/L	
o-Xylene	5,51	0,30			µg/L	



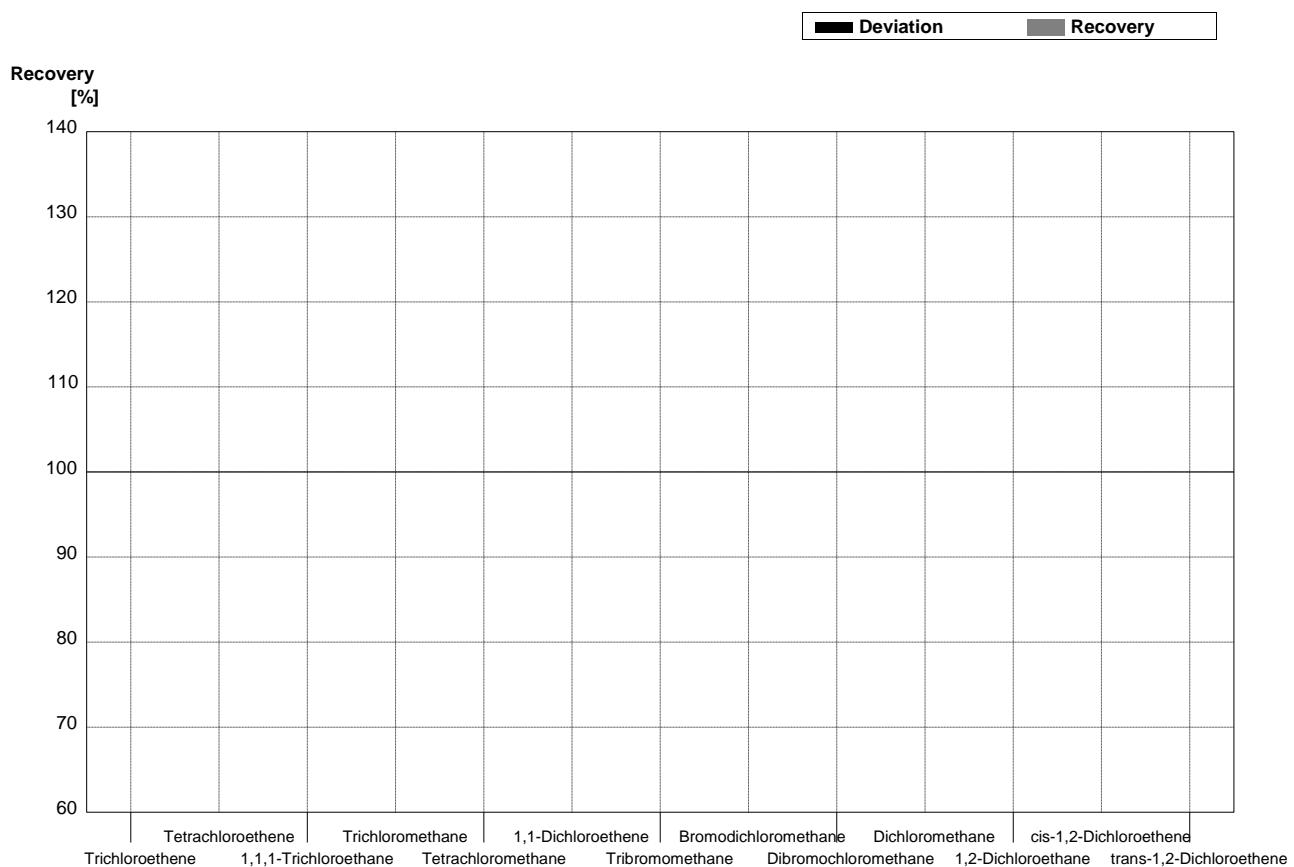
**Sample C-CB08A**  
**Laboratory P**

Parameter	Target value	± U (k=2)	Result	±	Unit	Recovery
Trichloroethene	1,13	0,07			µg/l	
Tetrachloroethene	0,412	0,035			µg/l	
1,1,1-Trichloroethane	1,24	0,07			µg/l	
Trichloromethane	1,36	0,07			µg/l	
Tetrachloromethane	1,57	0,09			µg/l	
1,1-Dichloroethene	1,96	0,11			µg/l	
Tribromomethane	1,51	0,11			µg/l	
Bromodichloromethane	0,96	0,06			µg/l	
Dibromochloromethane	1,25	0,08			µg/l	
Dichloromethane	0,92	0,09			µg/l	
1,2-Dichloroethane	2,11	0,11			µg/l	
cis-1,2-Dichloroethene	<0,1				µg/l	
trans-1,2-Dichloroethene	1,95	0,10			µg/l	



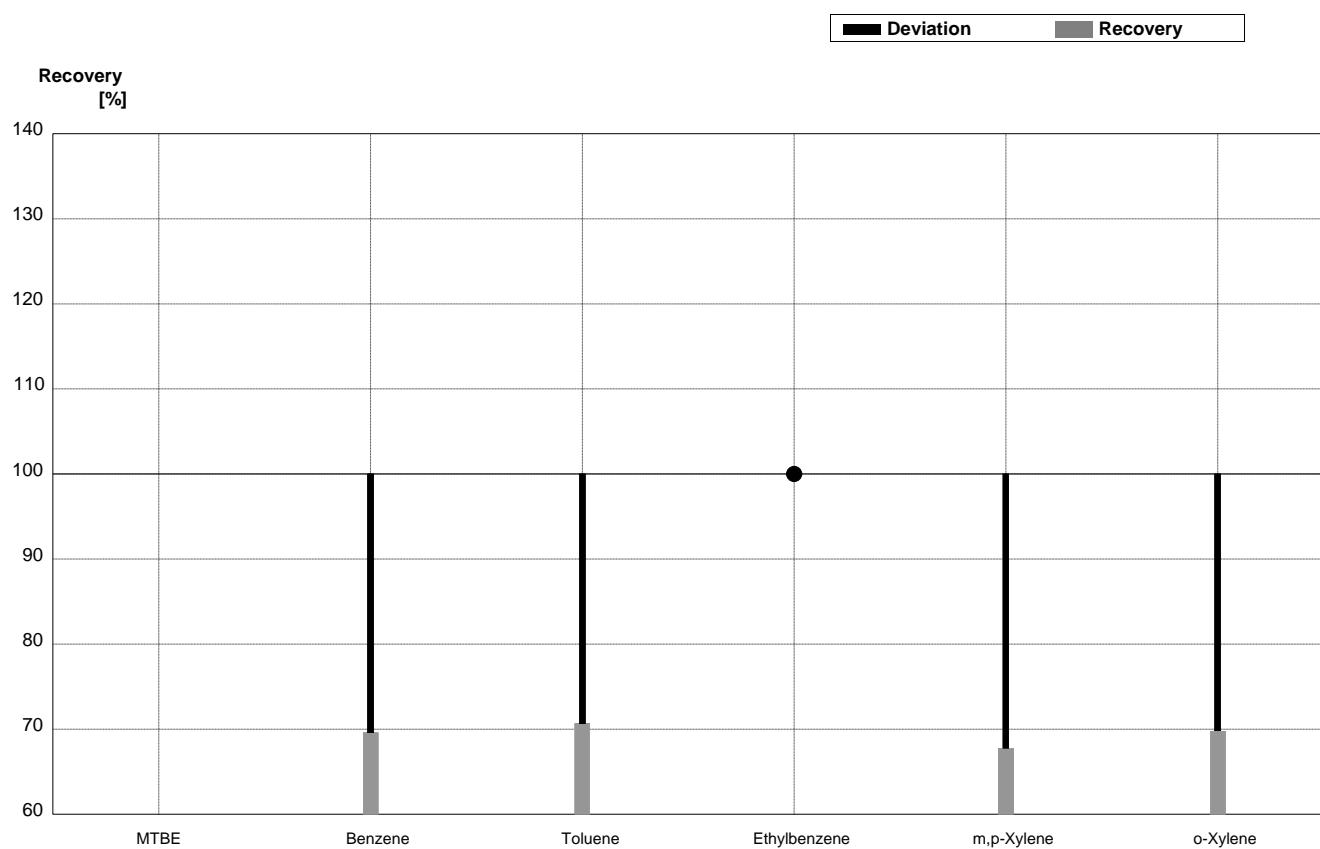
**Sample C-CB08B**  
**Laboratory P**

Parameter	Target value	± U (k=2)	Result	±	Unit	Recovery
Trichloroethene	1,70	0,09			µg/l	
Tetrachloroethene	1,23	0,07			µg/l	
1,1,1-Trichloroethane	<0,1				µg/l	
Trichloromethane	2,22	0,12			µg/l	
Tetrachloromethane	0,65	0,05			µg/l	
1,1-Dichloroethene	<0,2				µg/l	
Tribromomethane	<0,1				µg/l	
Bromodichloromethane	1,89	0,10			µg/l	
Dibromochloromethane	1,84	0,10			µg/l	
Dichloromethane	2,18	0,13			µg/l	
1,2-Dichloroethane	0,95	0,05			µg/l	
cis-1,2-Dichloroethene	1,69	0,09			µg/l	
trans-1,2-Dichloroethene	0,51	0,04			µg/l	



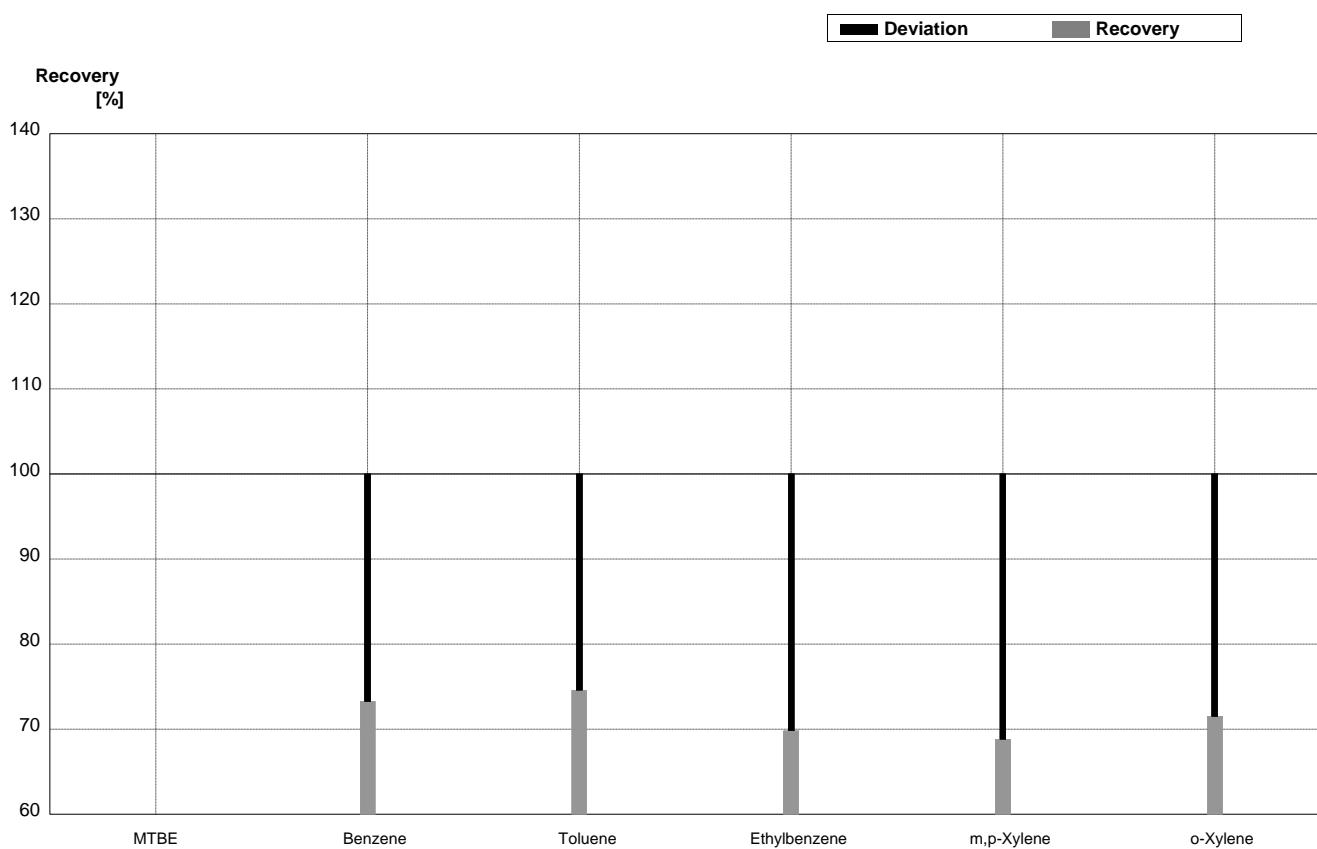
**Sample      B-CB08A**  
**Laboratory Q**

Parameter	Target value	$\pm U$ ( $k=2$ )	Result	$\pm$	Unit	Recovery
MTBE	0,51	0,08			$\mu\text{g/L}$	
Benzene	4,34	0,23	3,02	0,302	$\mu\text{g/L}$	70%
Toluene	4,74	0,26	3,35	0,335	$\mu\text{g/L}$	71%
Ethylbenzene	<0,1		<0,50	0,050	$\mu\text{g/L}$	•
m,p-Xylene	1,52	0,17	1,03	0,103	$\mu\text{g/L}$	68%
o-Xylene	0,96	0,12	0,67	0,067	$\mu\text{g/L}$	70%



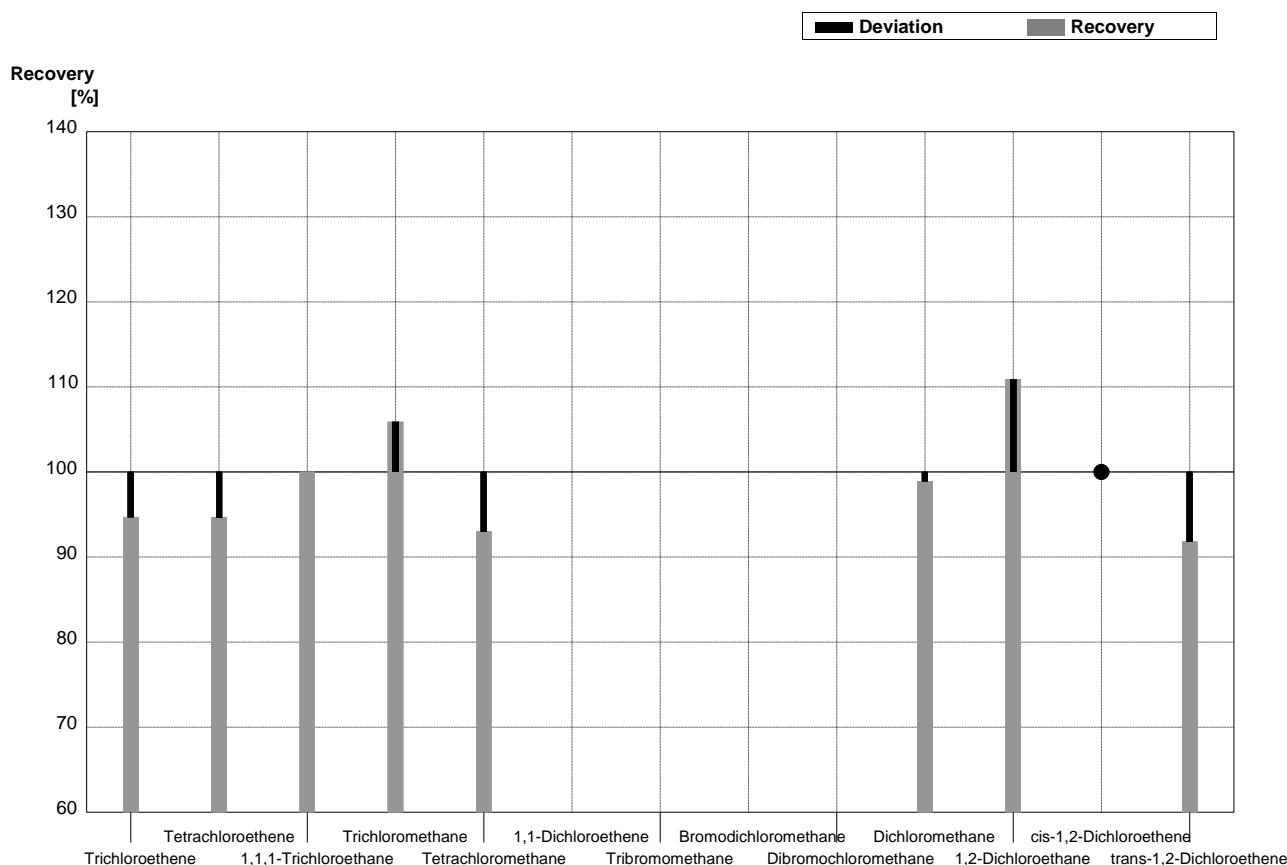
**Sample      B-CB08B**  
**Laboratory Q**

Parameter	Target value	$\pm U$ ( $k=2$ )	Result	$\pm$	Unit	Recovery
MTBE	2,28	0,14			$\mu\text{g/L}$	
Benzene	1,16	0,08	0,85	0,085	$\mu\text{g/L}$	73%
Toluene	2,40	0,15	1,79	0,179	$\mu\text{g/L}$	75%
Ethylbenzene	2,12	0,15	1,48	0,148	$\mu\text{g/L}$	70%
m,p-Xylene	5,10	0,30	3,51	0,351	$\mu\text{g/L}$	69%
o-Xylene	5,51	0,30	3,94	0,394	$\mu\text{g/L}$	72%



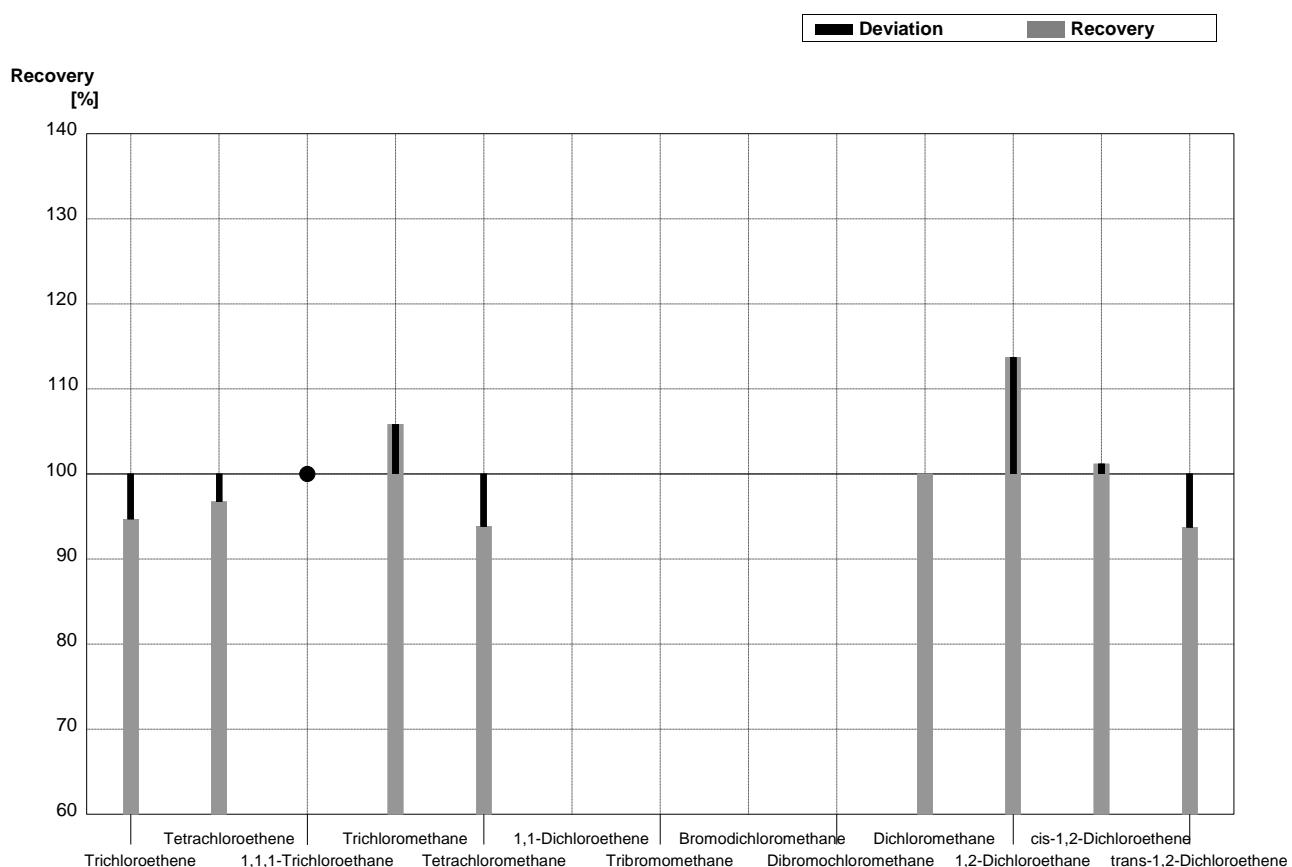
**Sample C-CB08A**  
**Laboratory Q**

Parameter	Target value	± U (k=2)	Result	±	Unit	Recovery
Trichloroethene	1,13	0,07	1,07	0,107	µg/l	95%
Tetrachloroethene	0,412	0,035	0,390	0,039	µg/l	95%
1,1,1-Trichloroethane	1,24	0,07	1,24	0,124	µg/l	100%
Trichloromethane	1,36	0,07	1,44	0,144	µg/l	106%
Tetrachloromethane	1,57	0,09	1,46	0,146	µg/l	93%
1,1-Dichloroethene	1,96	0,11			µg/l	
Tribromomethane	1,51	0,11			µg/l	
Bromodichloromethane	0,96	0,06			µg/l	
Dibromochloromethane	1,25	0,08			µg/l	
Dichloromethane	0,92	0,09	0,91	0,091	µg/l	99%
1,2-Dichloroethane	2,11	0,11	2,34	0,234	µg/l	111%
cis-1,2-Dichloroethene	<0,1		<0,150	0,015	µg/l	•
trans-1,2-Dichloroethene	1,95	0,10	1,79	0,179	µg/l	92%



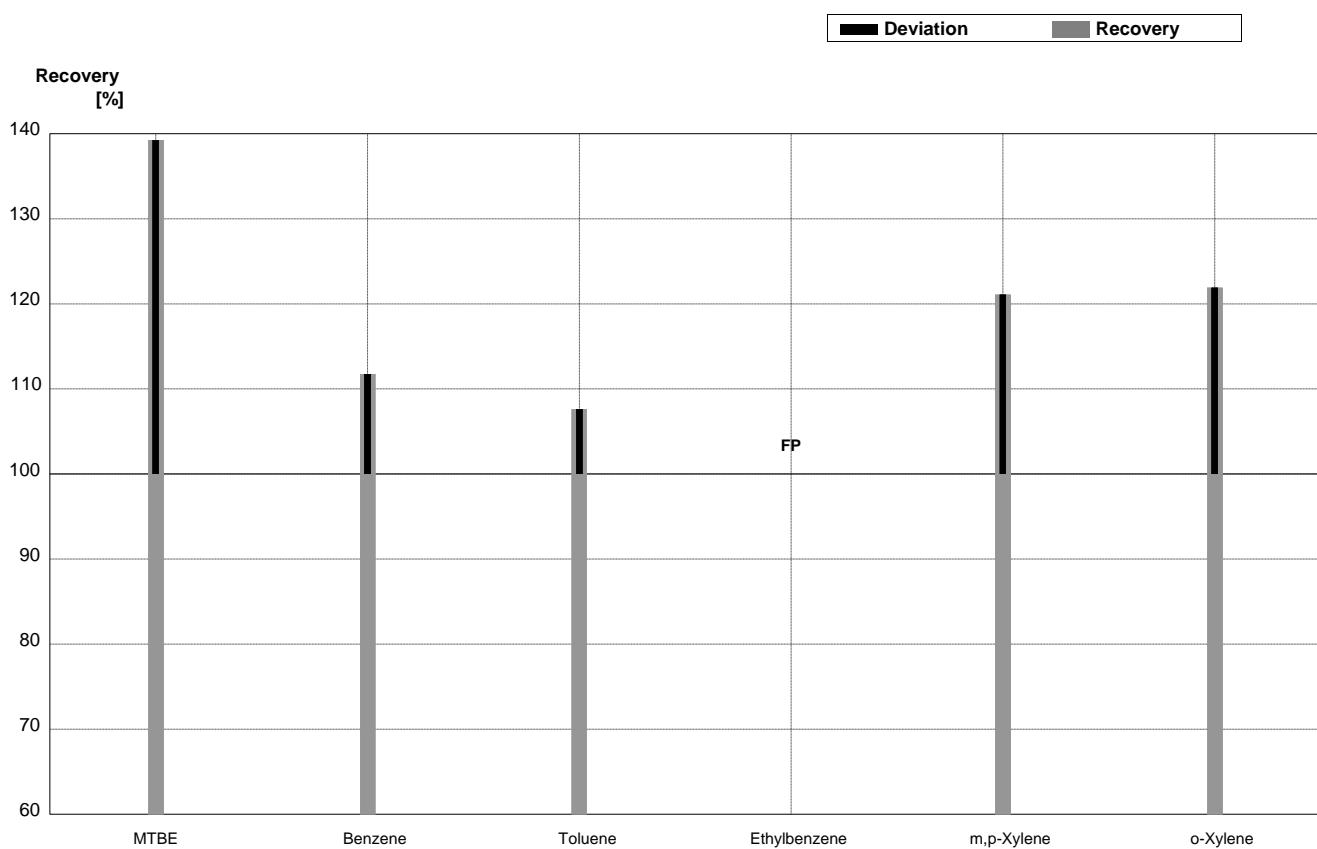
**Sample C-CB08B**  
**Laboratory Q**

Parameter	Target value	$\pm U$ ( $k=2$ )	Result	$\pm$	Unit	Recovery
Trichloroethene	1,70	0,09	1,61	0,161	$\mu\text{g/l}$	95%
Tetrachloroethene	1,23	0,07	1,19	0,119	$\mu\text{g/l}$	97%
1,1,1-Trichloroethane	<0,1		<0,150	0,015	$\mu\text{g/l}$	•
Trichloromethane	2,22	0,12	2,35	0,235	$\mu\text{g/l}$	106%
Tetrachloromethane	0,65	0,05	0,61	0,061	$\mu\text{g/l}$	94%
1,1-Dichloroethene	<0,2				$\mu\text{g/l}$	
Tribromomethane	<0,1				$\mu\text{g/l}$	
Bromodichloromethane	1,89	0,10			$\mu\text{g/l}$	
Dibromochloromethane	1,84	0,10			$\mu\text{g/l}$	
Dichloromethane	2,18	0,13	2,18	0,218	$\mu\text{g/l}$	100%
1,2-Dichloroethane	0,95	0,05	1,08	0,108	$\mu\text{g/l}$	114%
cis-1,2-Dichloroethene	1,69	0,09	1,71	0,171	$\mu\text{g/l}$	101%
trans-1,2-Dichloroethene	0,51	0,04	0,478	0,0478	$\mu\text{g/l}$	94%



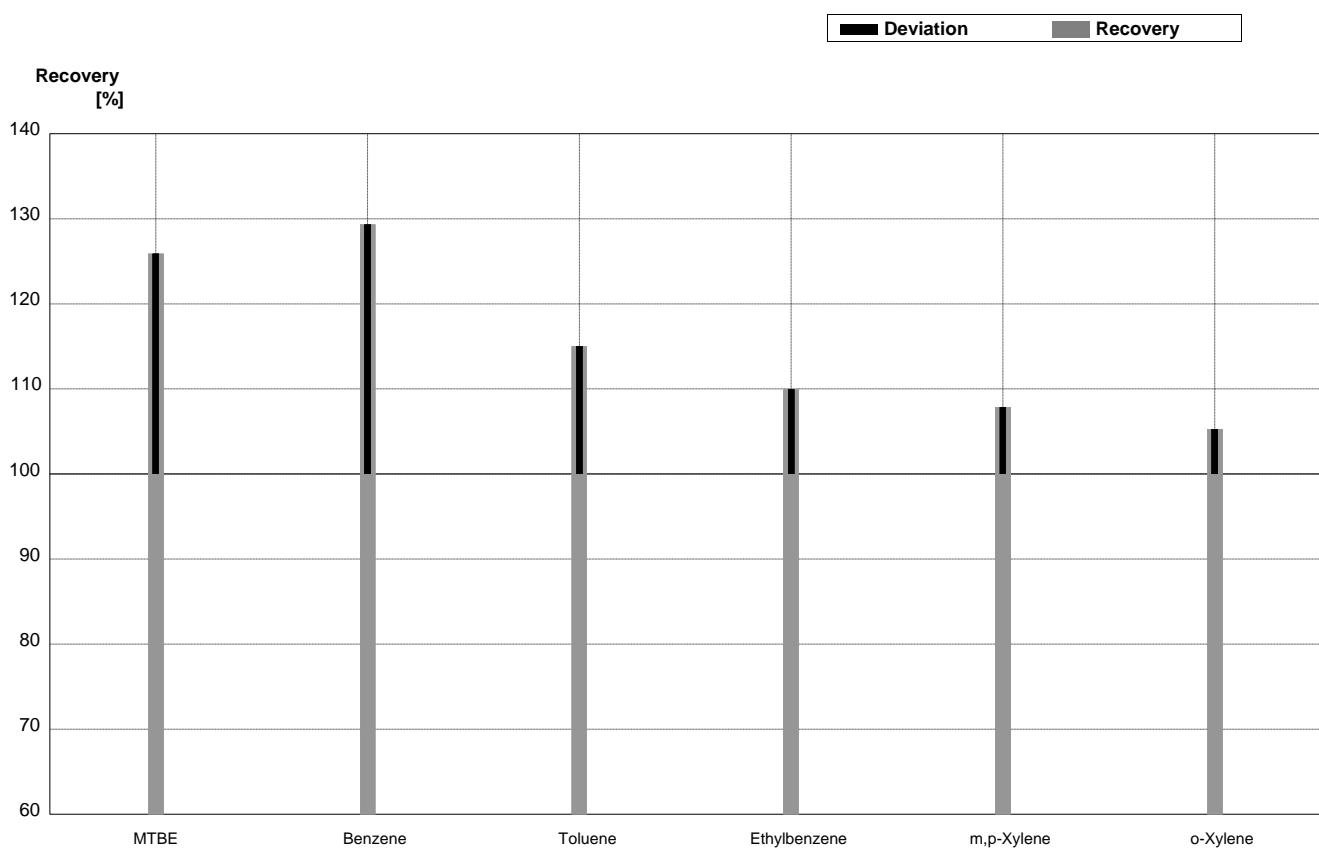
**Sample      B-CB08A**  
**Laboratory R**

Parameter	Target value	$\pm U$ ( $k=2$ )	Result	$\pm$	Unit	Recovery
MTBE	0,51	0,08	0,71	0,064	$\mu\text{g/L}$	139%
Benzene	4,34	0,23	4,85	0,76	$\mu\text{g/L}$	112%
Toluene	4,74	0,26	5,1	0,77	$\mu\text{g/L}$	108%
Ethylbenzene	<0,1		0,178	0,0059	$\mu\text{g/L}$	FP
m,p-Xylene	1,52	0,17	1,84	0,218	$\mu\text{g/L}$	121%
o-Xylene	0,96	0,12	1,17	0,098	$\mu\text{g/L}$	122%



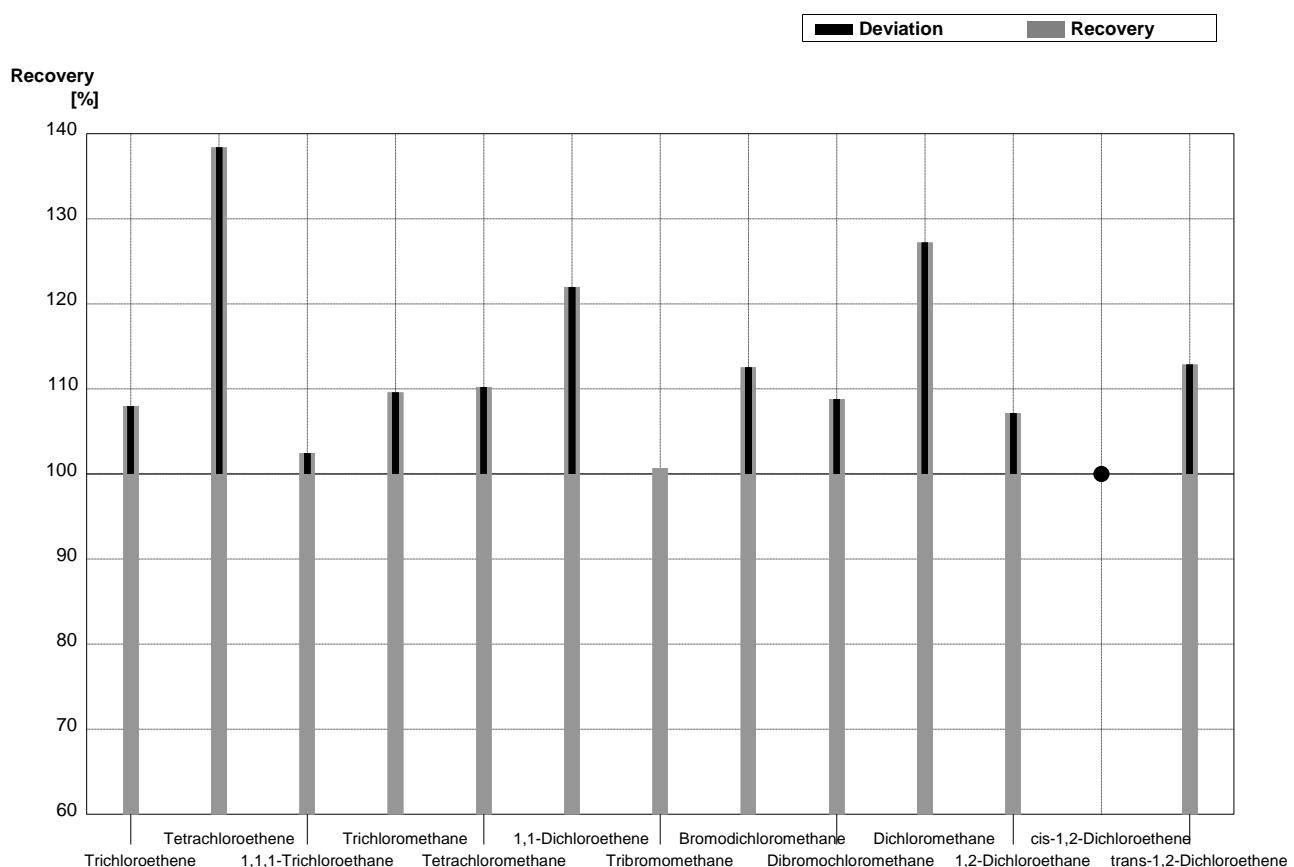
**Sample      B-CB08B**  
**Laboratory R**

Parameter	Target value	$\pm U$ ( $k=2$ )	Result	$\pm$	Unit	Recovery
MTBE	2,28	0,14	2,87	1,09	$\mu\text{g/L}$	126%
Benzene	1,16	0,08	1,50	0,55	$\mu\text{g/L}$	129%
Toluene	2,40	0,15	2,76	1,08	$\mu\text{g/L}$	115%
Ethylbenzene	2,12	0,15	2,33	0,94	$\mu\text{g/L}$	110%
m,p-Xylene	5,10	0,30	5,5	2,30	$\mu\text{g/L}$	108%
o-Xylene	5,51	0,30	5,8	2,36	$\mu\text{g/L}$	105%



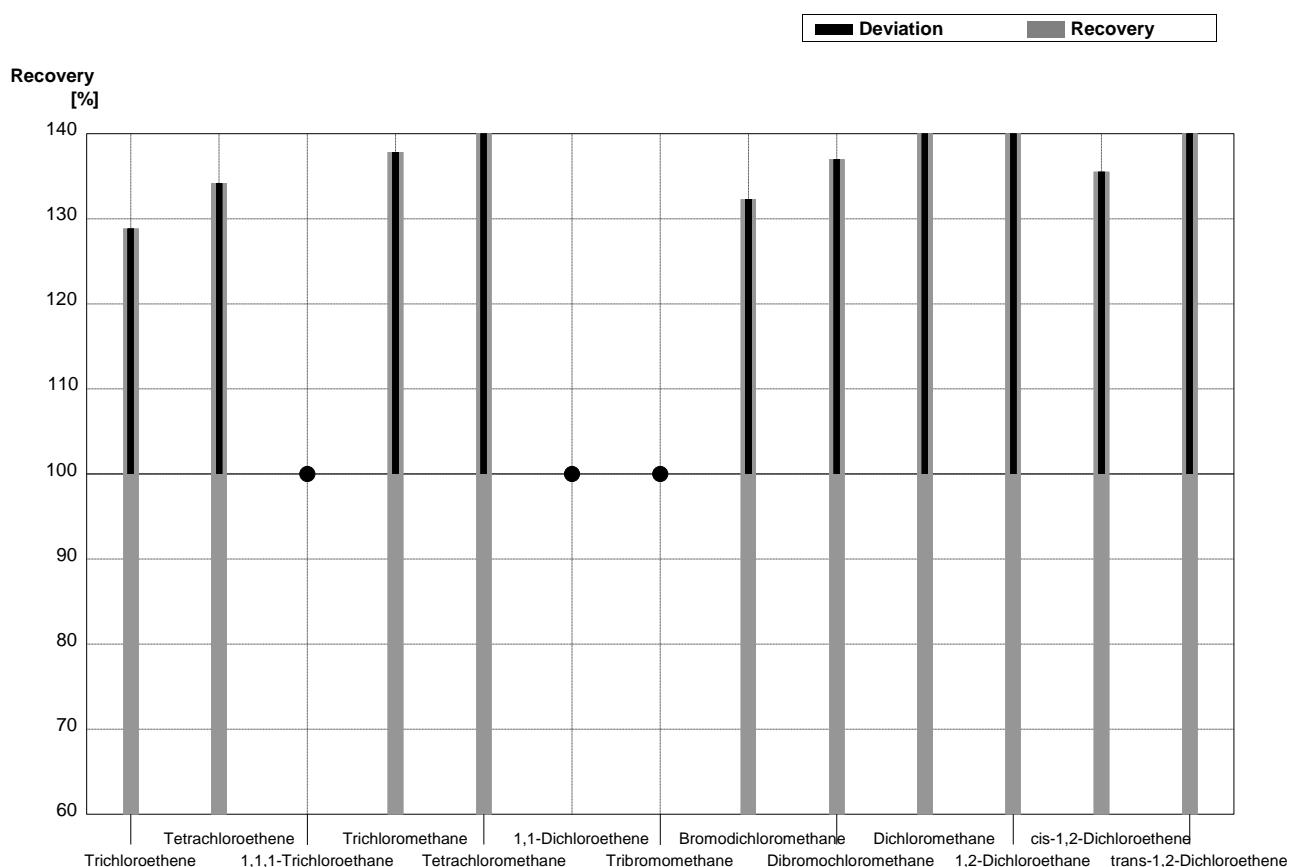
**Sample C-CB08A**  
**Laboratory R**

Parameter	Target value	$\pm U$ ( $k=2$ )	Result	$\pm$	Unit	Recovery
Trichloroethene	1,13	0,07	1,22	0,298	$\mu\text{g/l}$	108%
Tetrachloroethene	0,412	0,035	0,57	0,103	$\mu\text{g/l}$	138%
1,1,1-Trichloroethane	1,24	0,07	1,27	0,316	$\mu\text{g/l}$	102%
Trichloromethane	1,36	0,07	1,49	0,363	$\mu\text{g/l}$	110%
Tetrachloromethane	1,57	0,09	1,73	0,448	$\mu\text{g/l}$	110%
1,1-Dichloroethene	1,96	0,11	2,39	0,64	$\mu\text{g/l}$	122%
Tribromomethane	1,51	0,11	1,52	0,335	$\mu\text{g/l}$	101%
Bromodichloromethane	0,96	0,06	1,08	0,241	$\mu\text{g/l}$	113%
Dibromochloromethane	1,25	0,08	1,36	0,320	$\mu\text{g/l}$	109%
Dichloromethane	0,92	0,09	1,17	0,267	$\mu\text{g/l}$	127%
1,2-Dichloroethane	2,11	0,11	2,26	0,55	$\mu\text{g/l}$	107%
cis-1,2-Dichloroethene	<0,1		<0,1		$\mu\text{g/l}$	•
trans-1,2-Dichloroethene	1,95	0,10	2,20	0,61	$\mu\text{g/l}$	113%



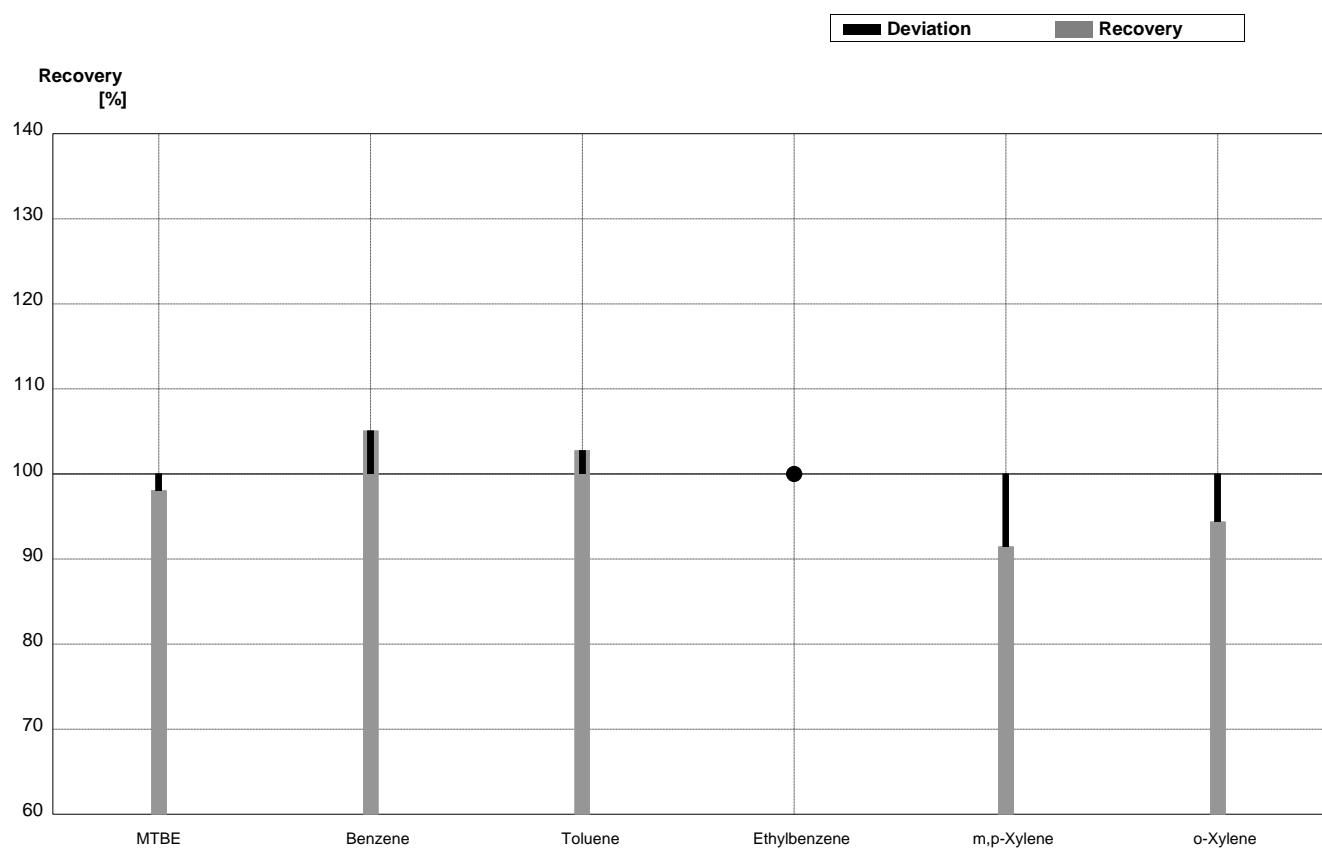
**Sample C-CB08B**  
**Laboratory R**

Parameter	Target value	$\pm U$ ( $k=2$ )	Result	$\pm$	Unit	Recovery
Trichloroethene	1,70	0,09	2,19	0,74	$\mu\text{g/l}$	129%
Tetrachloroethene	1,23	0,07	1,65	0,57	$\mu\text{g/l}$	134%
1,1,1-Trichloroethane	<0,1		<0,1		$\mu\text{g/l}$	•
Trichloromethane	2,22	0,12	3,06	0,98	$\mu\text{g/l}$	138%
Tetrachloromethane	0,65	0,05	0,97	0,265	$\mu\text{g/l}$	149%
1,1-Dichloroethene	<0,2		<0,1		$\mu\text{g/l}$	•
Tribromomethane	<0,1		<0,1		$\mu\text{g/l}$	•
Bromodichloromethane	1,89	0,10	2,50	0,90	$\mu\text{g/l}$	132%
Dibromochloromethane	1,84	0,10	2,52	0,96	$\mu\text{g/l}$	137%
Dichloromethane	2,18	0,13	3,22	1,15	$\mu\text{g/l}$	148%
1,2-Dichloroethane	0,95	0,05	1,42	0,493	$\mu\text{g/l}$	149%
cis-1,2-Dichloroethene	1,69	0,09	2,29	0,76	$\mu\text{g/l}$	136%
trans-1,2-Dichloroethene	0,51	0,04	0,86	0,234	$\mu\text{g/l}$	169%



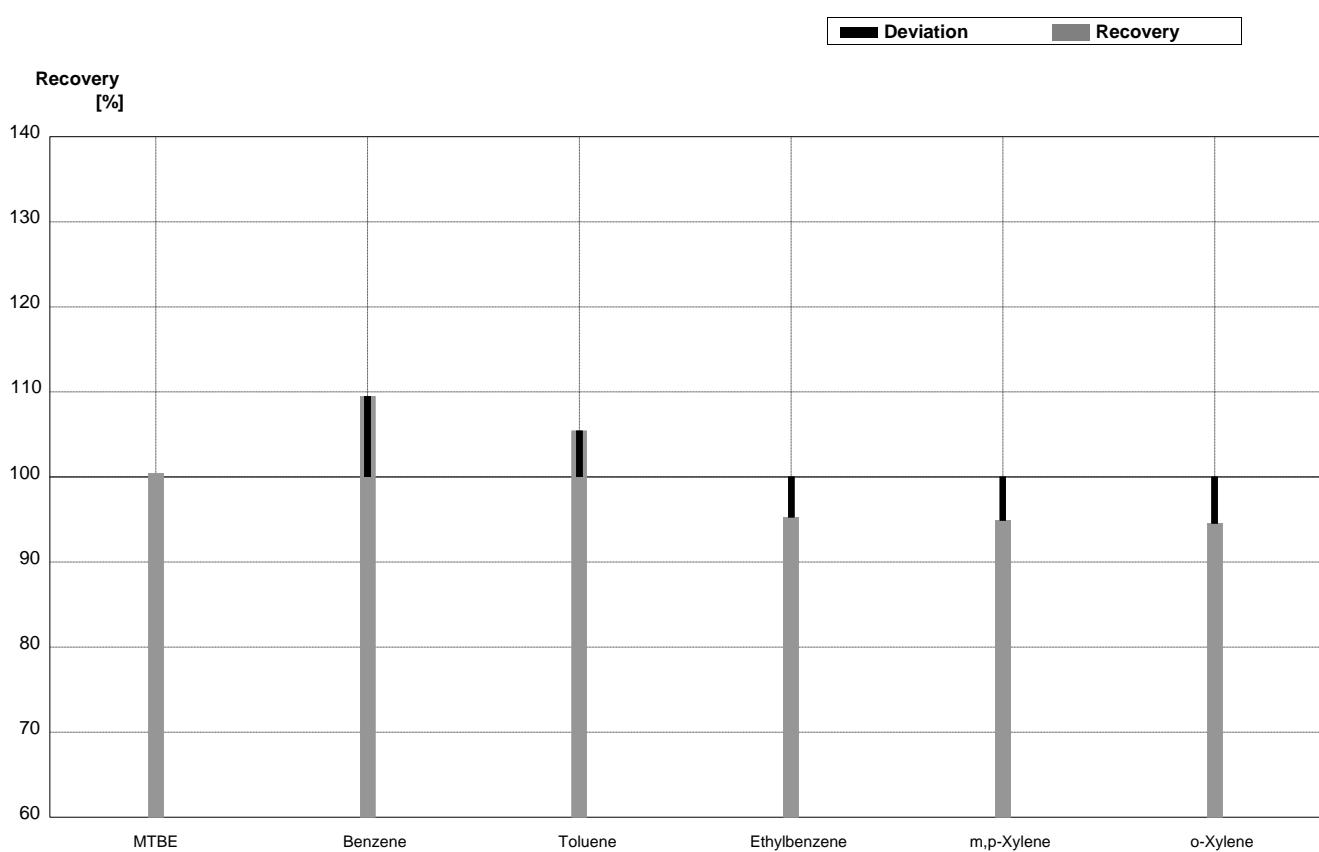
**Sample      B-CB08A**  
**Laboratory S**

Parameter	Target value	$\pm U$ ( $k=2$ )	Result	$\pm$	Unit	Recovery
MTBE	0,51	0,08	0,500	0,150	$\mu\text{g/L}$	98%
Benzene	4,34	0,23	4,56	1,37	$\mu\text{g/L}$	105%
Toluene	4,74	0,26	4,87	1,46	$\mu\text{g/L}$	103%
Ethylbenzene	<0,1		<0,50		$\mu\text{g/L}$	•
m,p-Xylene	1,52	0,17	1,39	0,42	$\mu\text{g/L}$	91%
o-Xylene	0,96	0,12	0,906	0,272	$\mu\text{g/L}$	94%



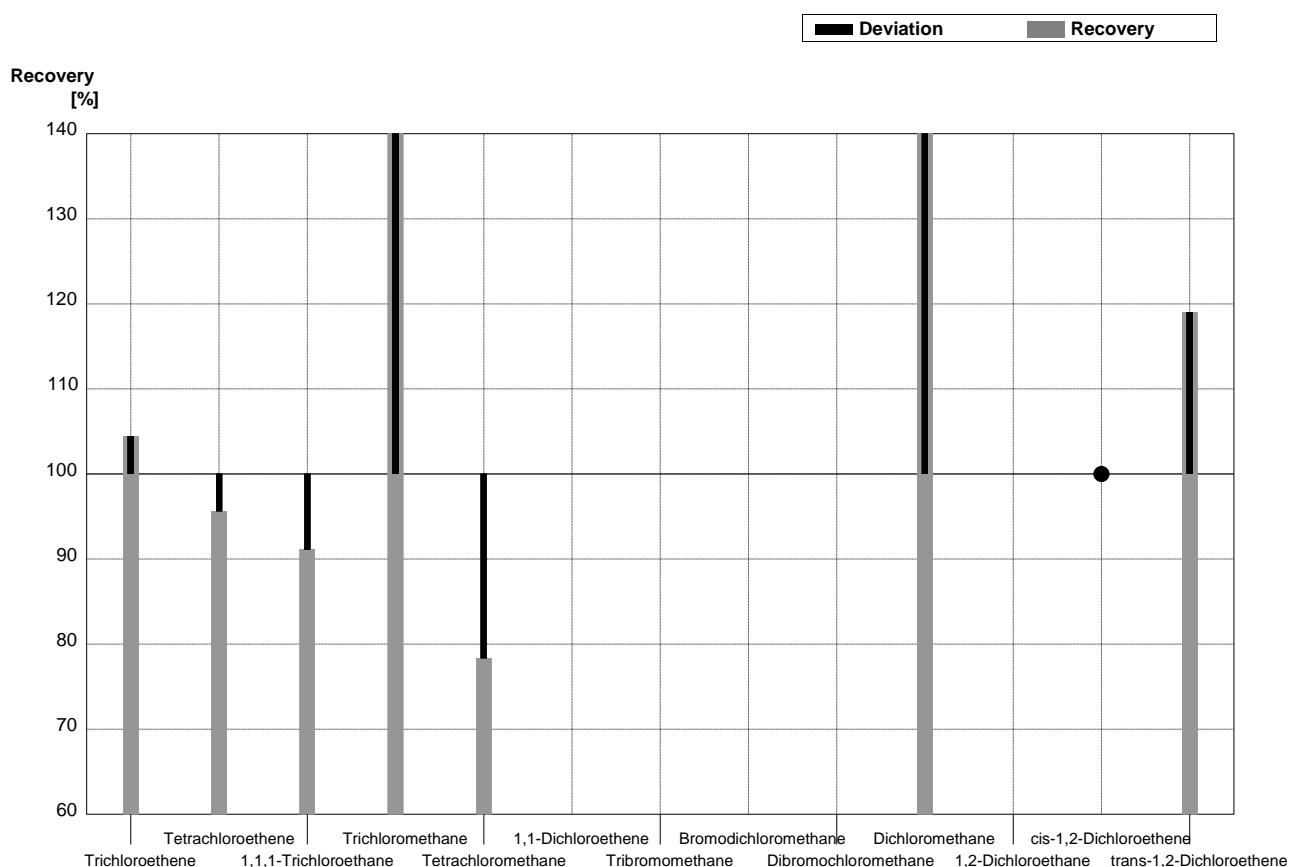
**Sample      B-CB08B**  
**Laboratory S**

Parameter	Target value	$\pm U$ ( $k=2$ )	Result	$\pm$	Unit	Recovery
MTBE	2,28	0,14	2,29	0,69	$\mu\text{g/L}$	100%
Benzene	1,16	0,08	1,27	0,38	$\mu\text{g/L}$	109%
Toluene	2,40	0,15	2,53	0,76	$\mu\text{g/L}$	105%
Ethylbenzene	2,12	0,15	2,02	0,61	$\mu\text{g/L}$	95%
m,p-Xylene	5,10	0,30	4,84	1,45	$\mu\text{g/L}$	95%
o-Xylene	5,51	0,30	5,21	1,56	$\mu\text{g/L}$	95%



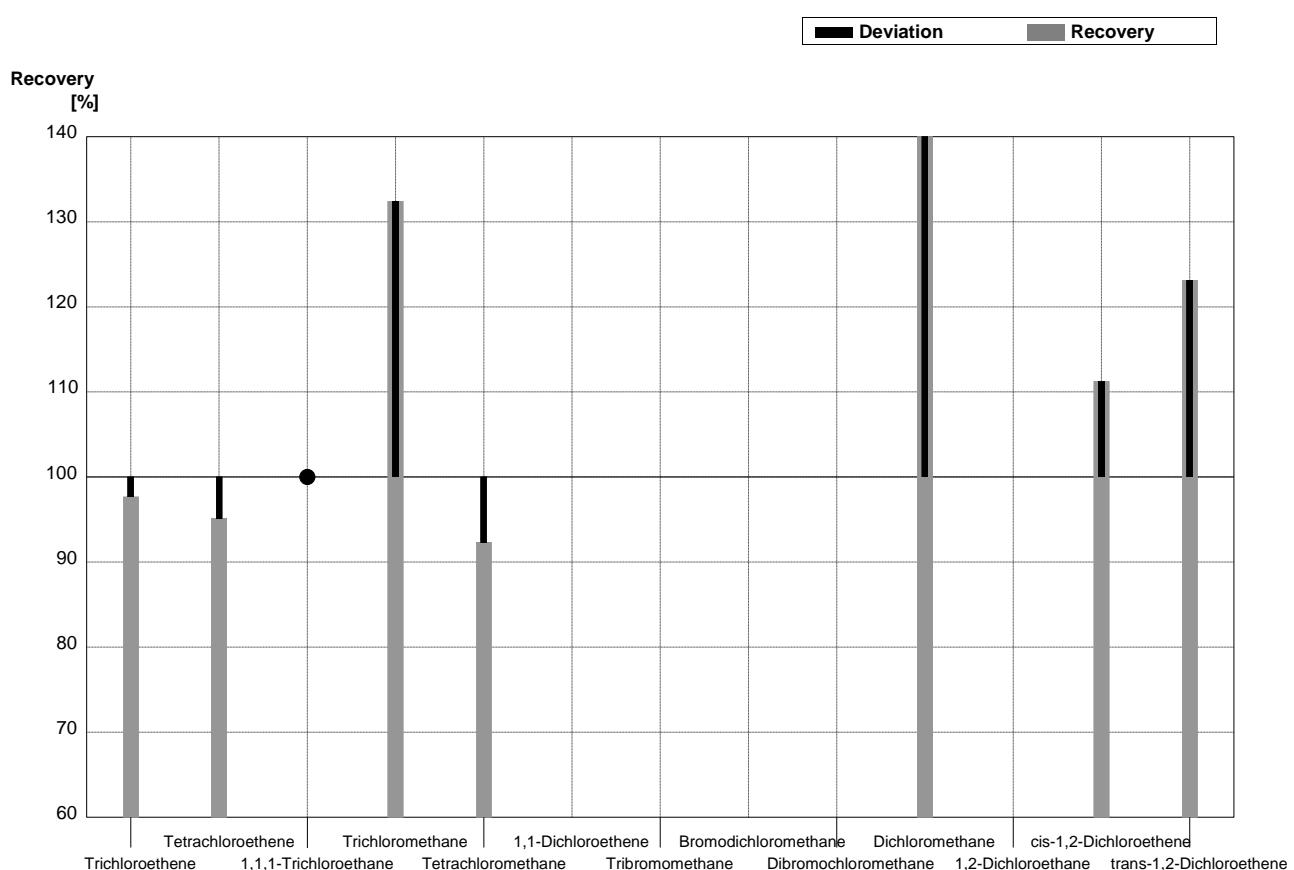
**Sample C-CB08A**  
**Laboratory S**

Parameter	Target value	± U (k=2)	Result	±	Unit	Recovery
Trichloroethene	1,13	0,07	1,18	0,35	µg/l	104%
Tetrachloroethene	0,412	0,035	0,394	0,118	µg/l	96%
1,1,1-Trichloroethane	1,24	0,07	1,13	0,34	µg/l	91%
Trichloromethane	1,36	0,07	2,24	0,67	µg/l	165%
Tetrachloromethane	1,57	0,09	1,23	0,37	µg/l	78%
1,1-Dichloroethene	1,96	0,11			µg/l	
Tribromomethane	1,51	0,11			µg/l	
Bromodichloromethane	0,96	0,06			µg/l	
Dibromochloromethane	1,25	0,08			µg/l	
Dichloromethane	0,92	0,09	1,86	0,56	µg/l	202%
1,2-Dichloroethane	2,11	0,11			µg/l	
cis-1,2-Dichloroethene	<0,1		<0,50		µg/l	•
trans-1,2-Dichloroethene	1,95	0,10	2,32	0,69	µg/l	119%



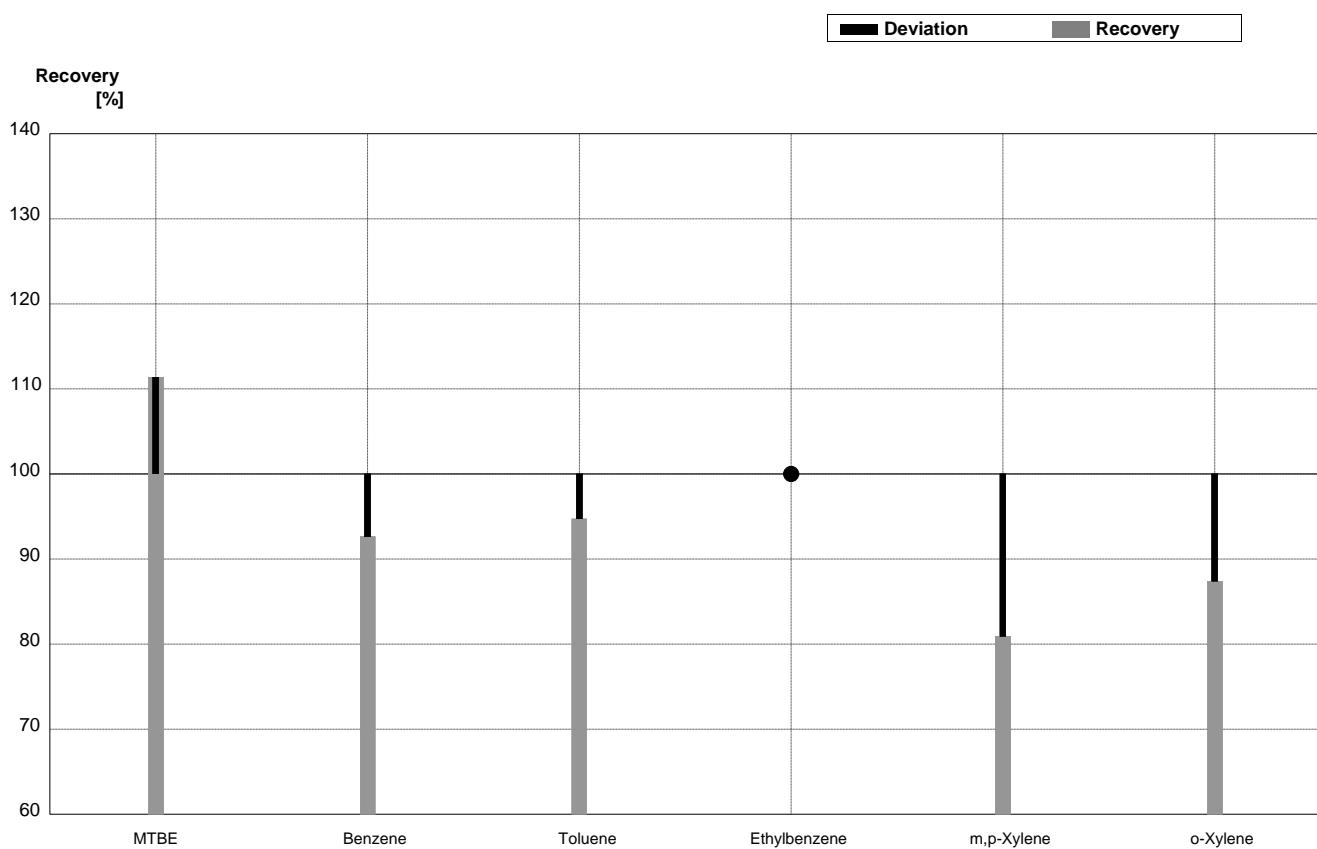
**Sample C-CB08B**  
**Laboratory S**

Parameter	Target value	$\pm U$ ( $k=2$ )	Result	$\pm$	Unit	Recovery
Trichloroethene	1,70	0,09	1,66	0,50	$\mu\text{g/l}$	98%
Tetrachloroethene	1,23	0,07	1,17	0,35	$\mu\text{g/l}$	95%
1,1,1-Trichloroethane	<0,1		<0,50		$\mu\text{g/l}$	•
Trichloromethane	2,22	0,12	2,94	0,88	$\mu\text{g/l}$	132%
Tetrachloromethane	0,65	0,05	0,600	0,180	$\mu\text{g/l}$	92%
1,1-Dichloroethene	<0,2				$\mu\text{g/l}$	
Tribromomethane	<0,1				$\mu\text{g/l}$	
Bromodichloromethane	1,89	0,10			$\mu\text{g/l}$	
Dibromochloromethane	1,84	0,10			$\mu\text{g/l}$	
Dichloromethane	2,18	0,13	3,13	0,94	$\mu\text{g/l}$	144%
1,2-Dichloroethane	0,95	0,05			$\mu\text{g/l}$	
cis-1,2-Dichloroethene	1,69	0,09	1,88	0,56	$\mu\text{g/l}$	111%
trans-1,2-Dichloroethene	0,51	0,04	0,628	0,188	$\mu\text{g/l}$	123%



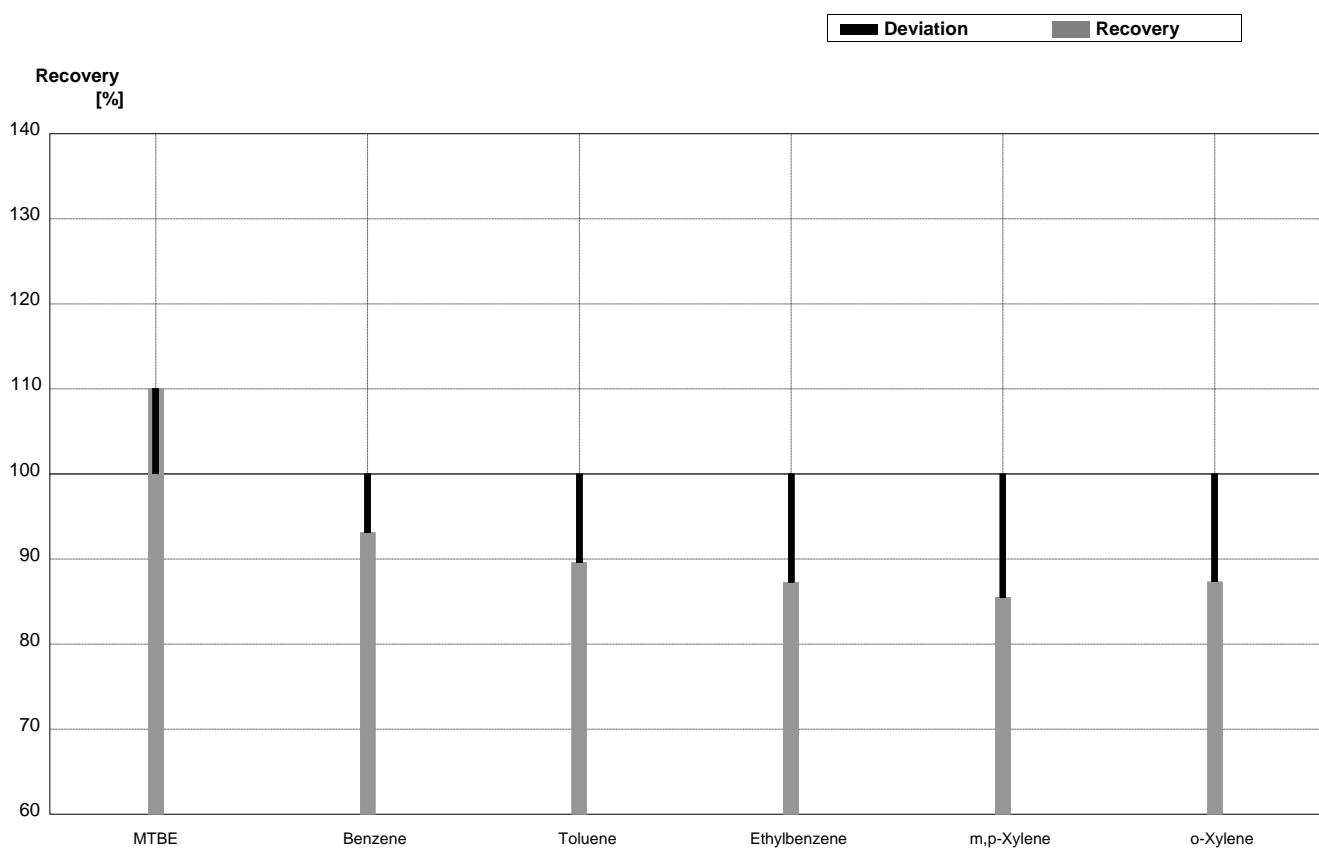
**Sample B-CB08A**  
**Laboratory T**

Parameter	Target value	$\pm U$ ( $k=2$ )	Result	$\pm$	Unit	Recovery
MTBE	0,51	0,08	0,568	0,091	$\mu\text{g/L}$	111%
Benzene	4,34	0,23	4,02	0,64	$\mu\text{g/L}$	93%
Toluene	4,74	0,26	4,49	0,58	$\mu\text{g/L}$	95%
Ethylbenzene	<0,1		<0,020		$\mu\text{g/L}$	•
m,p-Xylene	1,52	0,17	1,23	0,25	$\mu\text{g/L}$	81%
o-Xylene	0,96	0,12	0,839	0,143	$\mu\text{g/L}$	87%



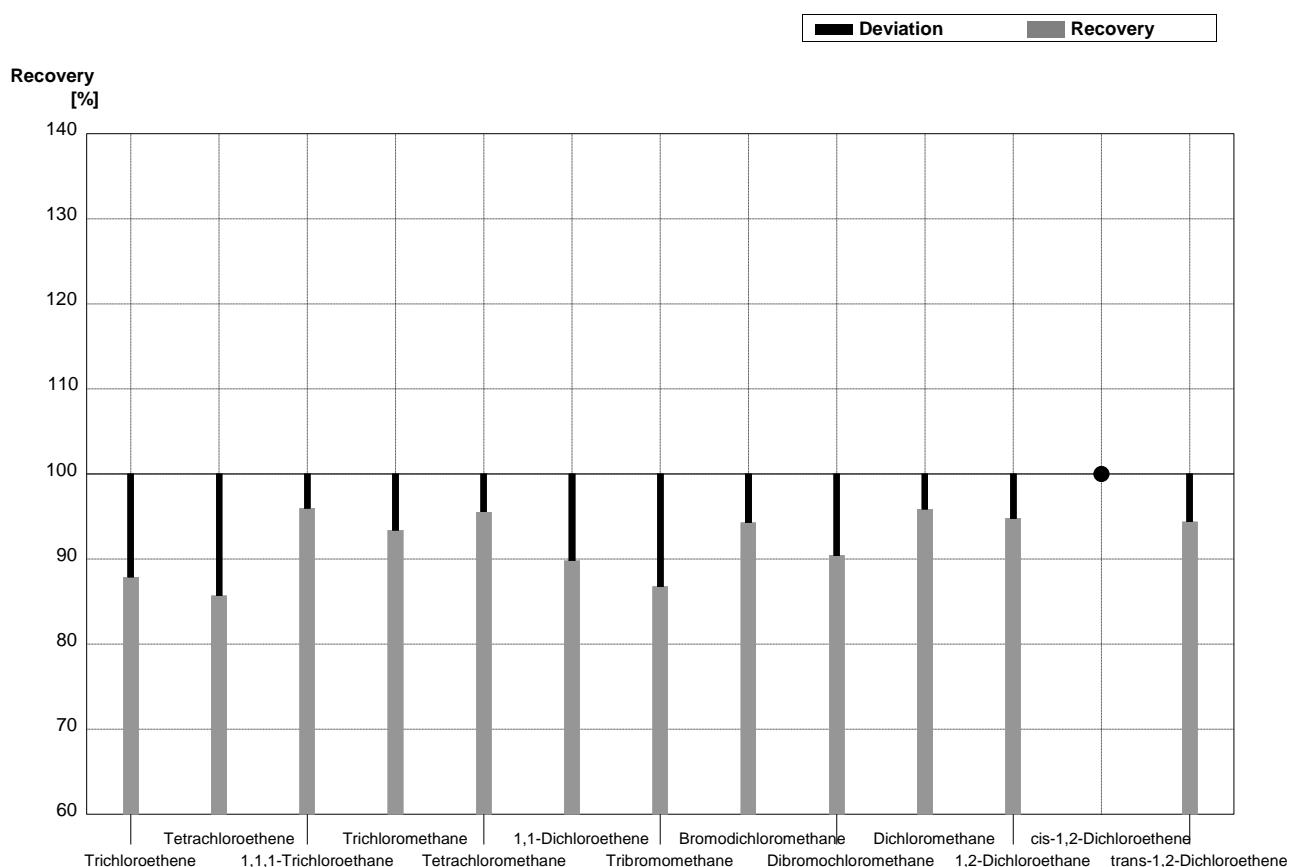
**Sample      B-CB08B**  
**Laboratory T**

Parameter	Target value	$\pm U$ ( $k=2$ )	Result	$\pm$	Unit	Recovery
MTBE	2,28	0,14	2,51	0,40	$\mu\text{g/L}$	110%
Benzene	1,16	0,08	1,08	0,17	$\mu\text{g/L}$	93%
Toluene	2,40	0,15	2,15	0,28	$\mu\text{g/L}$	90%
Ethylbenzene	2,12	0,15	1,85	0,31	$\mu\text{g/L}$	87%
m,p-Xylene	5,10	0,30	4,36	0,87	$\mu\text{g/L}$	85%
o-Xylene	5,51	0,30	4,81	0,82	$\mu\text{g/L}$	87%



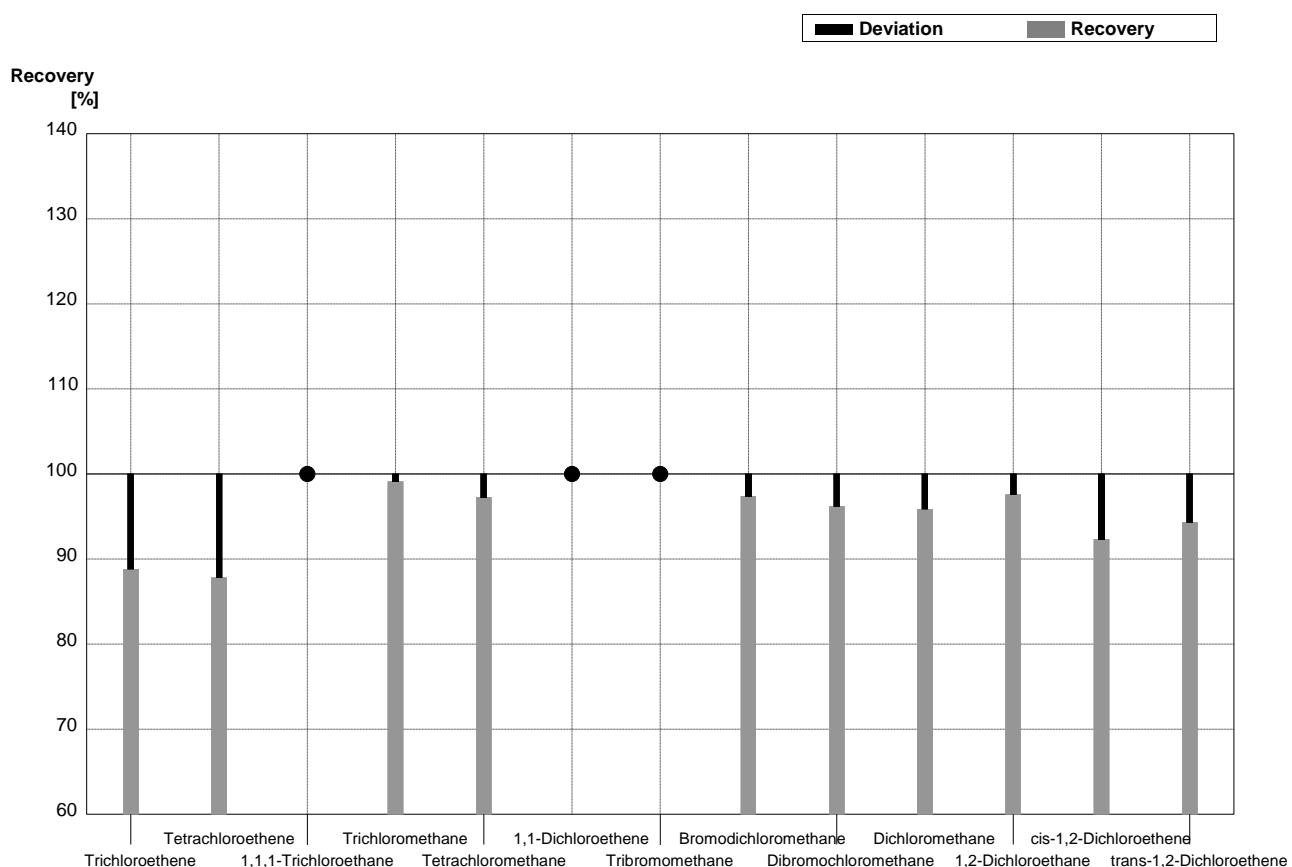
**Sample C-CB08A**  
**Laboratory T**

Parameter	Target value	$\pm U$ ( $k=2$ )	Result	$\pm$	Unit	Recovery
Trichloroethene	1,13	0,07	0,993	0,228	$\mu\text{g/l}$	88%
Tetrachloroethene	0,412	0,035	0,353	0,113	$\mu\text{g/l}$	86%
1,1,1-Trichloroethane	1,24	0,07	1,19	0,25	$\mu\text{g/l}$	96%
Trichloromethane	1,36	0,07	1,27	0,32	$\mu\text{g/l}$	93%
Tetrachloromethane	1,57	0,09	1,50	0,28	$\mu\text{g/l}$	96%
1,1-Dichloroethene	1,96	0,11	1,76	0,44	$\mu\text{g/l}$	90%
Tribromomethane	1,51	0,11	1,31	0,29	$\mu\text{g/l}$	87%
Bromodichloromethane	0,96	0,06	0,905	0,226	$\mu\text{g/l}$	94%
Dibromochloromethane	1,25	0,08	1,13	0,29	$\mu\text{g/l}$	90%
Dichloromethane	0,92	0,09	0,882	0,220	$\mu\text{g/l}$	96%
1,2-Dichloroethane	2,11	0,11	2,00	0,48	$\mu\text{g/l}$	95%
cis-1,2-Dichloroethene	<0,1		<0,020		$\mu\text{g/l}$	•
trans-1,2-Dichloroethene	1,95	0,10	1,84	0,40	$\mu\text{g/l}$	94%



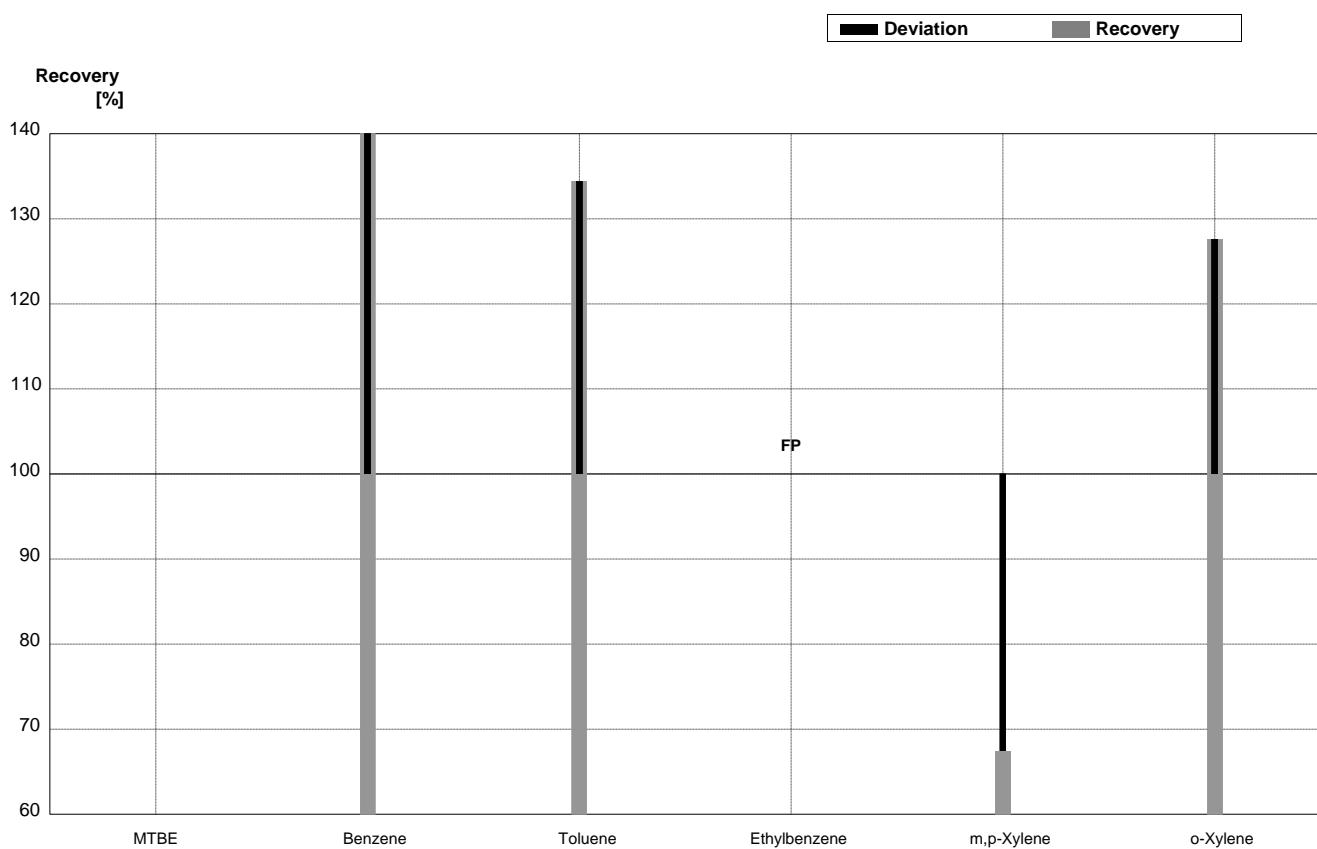
**Sample C-CB08B**  
**Laboratory T**

Parameter	Target value	$\pm U$ ( $k=2$ )	Result	$\pm$	Unit	Recovery
Trichloroethene	1,70	0,09	1,51	0,35	$\mu\text{g/l}$	89%
Tetrachloroethene	1,23	0,07	1,08	0,34	$\mu\text{g/l}$	88%
1,1,1-Trichloroethane	<0,1		<0,020		$\mu\text{g/l}$	•
Trichloromethane	2,22	0,12	2,20	0,55	$\mu\text{g/l}$	99%
Tetrachloromethane	0,65	0,05	0,632	0,120	$\mu\text{g/l}$	97%
1,1-Dichloroethene	<0,2		<0,020		$\mu\text{g/l}$	•
Tribromomethane	<0,1		<0,020		$\mu\text{g/l}$	•
Bromodichloromethane	1,89	0,10	1,84	0,46	$\mu\text{g/l}$	97%
Dibromochloromethane	1,84	0,10	1,77	0,46	$\mu\text{g/l}$	96%
Dichloromethane	2,18	0,13	2,09	0,52	$\mu\text{g/l}$	96%
1,2-Dichloroethane	0,95	0,05	0,927	0,223	$\mu\text{g/l}$	98%
cis-1,2-Dichloroethene	1,69	0,09	1,56	0,26	$\mu\text{g/l}$	92%
trans-1,2-Dichloroethene	0,51	0,04	0,481	0,106	$\mu\text{g/l}$	94%



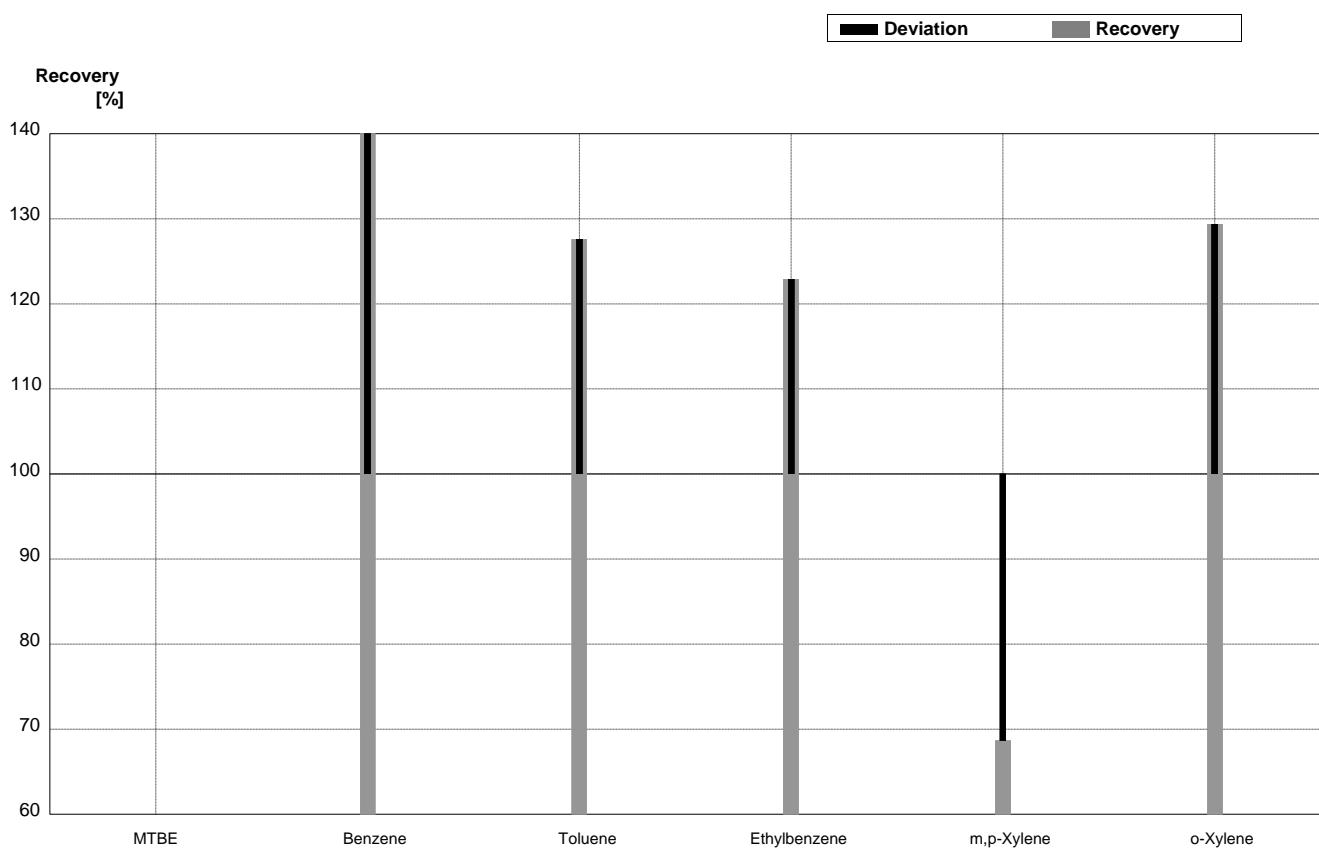
**Sample      B-CB08A**  
**Laboratory U**

Parameter	Target value	± U (k=2)	Result	±	Unit	Recovery
MTBE	0,51	0,08			µg/L	
Benzene	4,34	0,23	6,299		µg/L	145%
Toluene	4,74	0,26	6,371		µg/L	134%
Ethylbenzene	<0,1		1,410		µg/L	FP
m,p-Xylene	1,52	0,17	1,025		µg/L	67%
o-Xylene	0,96	0,12	1,225		µg/L	128%



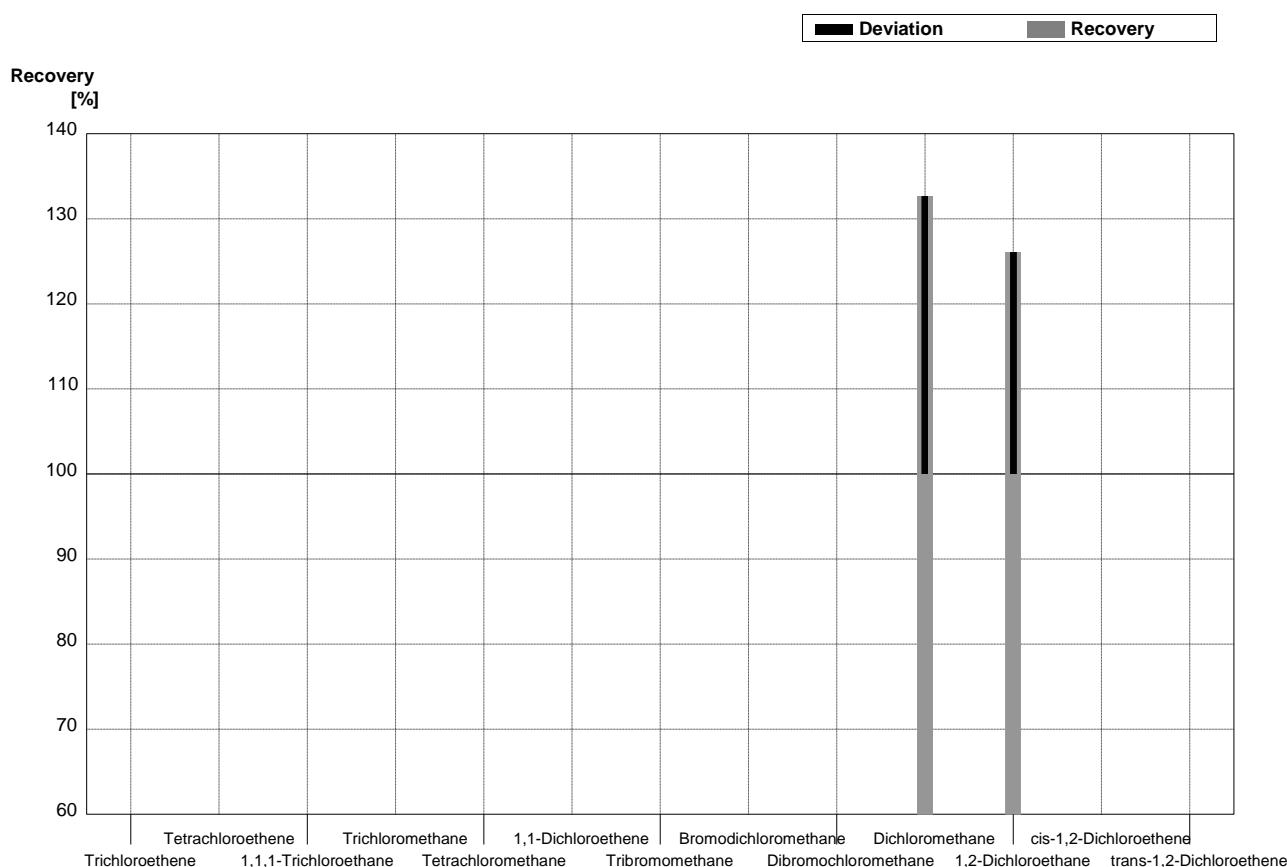
**Sample      B-CB08B**  
**Laboratory U**

Parameter	Target value	± U (k=2)	Result	±	Unit	Recovery
MTBE	2,28	0,14			µg/L	
Benzene	1,16	0,08	1,652		µg/L	142%
Toluene	2,40	0,15	3,062		µg/L	128%
Ethylbenzene	2,12	0,15	2,605		µg/L	123%
m,p-Xylene	5,10	0,30	3,501		µg/L	69%
o-Xylene	5,51	0,30	7,129		µg/L	129%



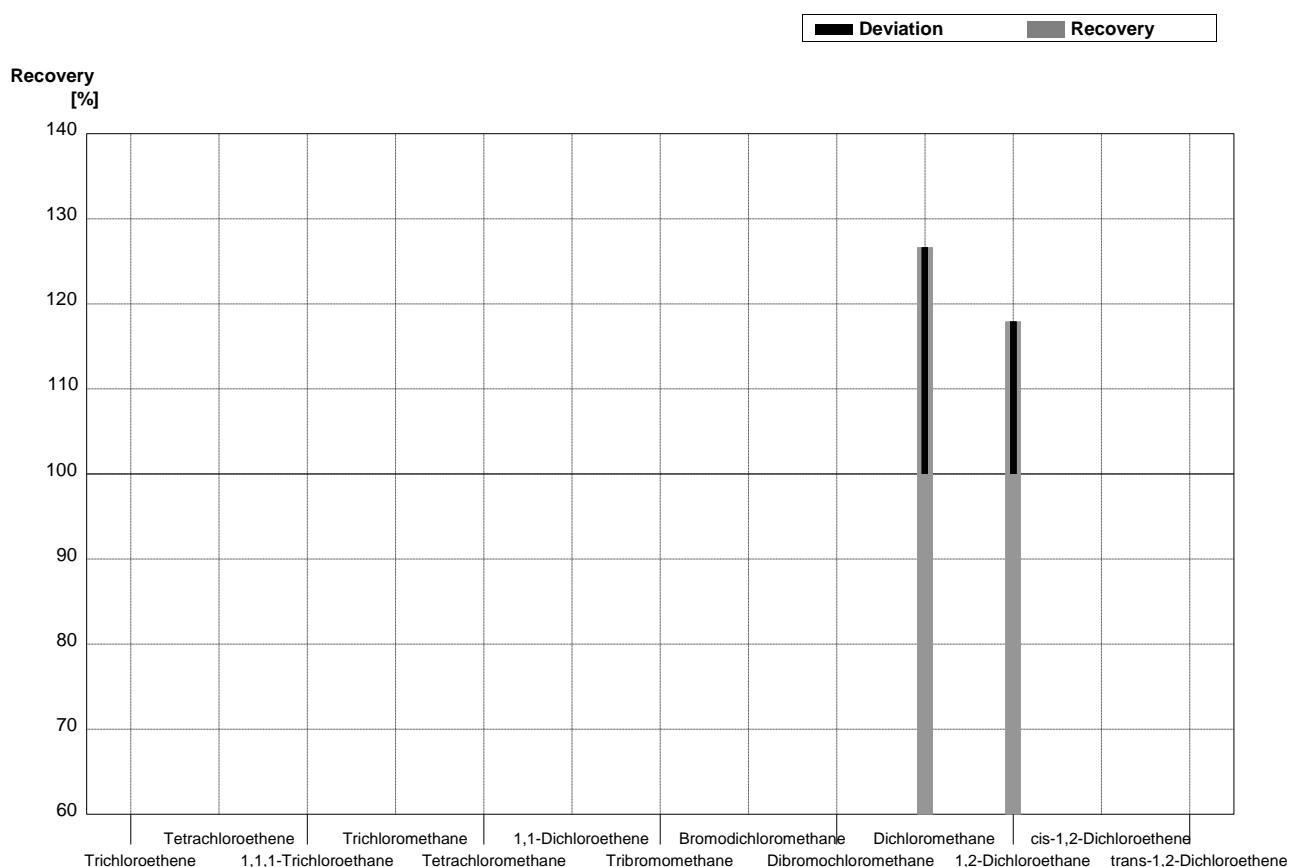
**Sample C-CB08A**  
**Laboratory U**

Parameter	Target value	± U (k=2)	Result	±	Unit	Recovery
Trichloroethene	1,13	0,07			µg/l	
Tetrachloroethene	0,412	0,035			µg/l	
1,1,1-Trichloroethane	1,24	0,07			µg/l	
Trichloromethane	1,36	0,07			µg/l	
Tetrachloromethane	1,57	0,09			µg/l	
1,1-Dichloroethene	1,96	0,11			µg/l	
Tribromomethane	1,51	0,11			µg/l	
Bromodichloromethane	0,96	0,06			µg/l	
Dibromochloromethane	1,25	0,08			µg/l	
Dichloromethane	0,92	0,09	1,22		µg/l	133%
1,2-Dichloroethane	2,11	0,11	2,66		µg/l	126%
cis-1,2-Dichloroethene	<0,1				µg/l	
trans-1,2-Dichloroethene	1,95	0,10			µg/l	



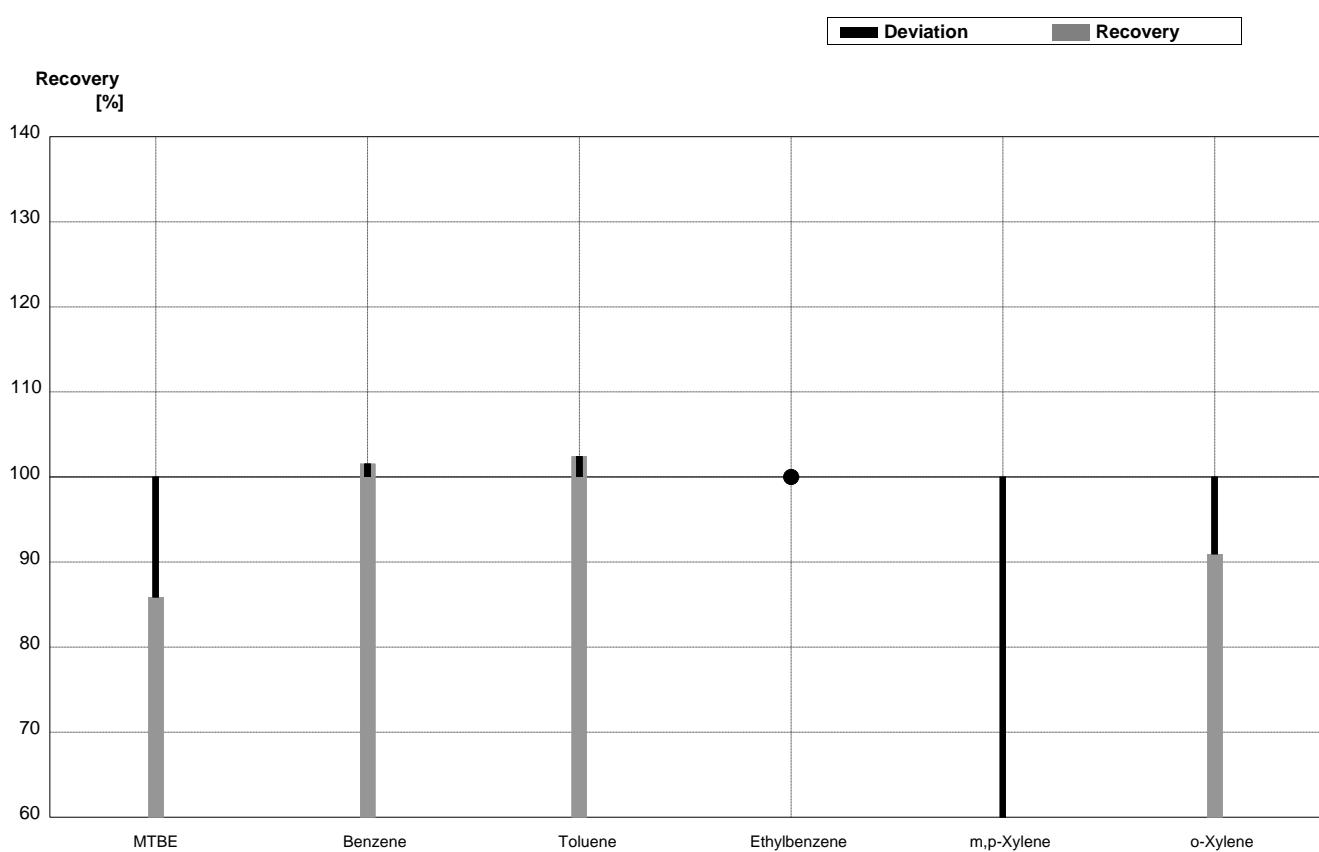
**Sample C-CB08B**  
**Laboratory U**

Parameter	Target value	± U (k=2)	Result	±	Unit	Recovery
Trichloroethene	1,70	0,09			µg/l	
Tetrachloroethene	1,23	0,07			µg/l	
1,1,1-Trichloroethane	<0,1				µg/l	
Trichloromethane	2,22	0,12			µg/l	
Tetrachloromethane	0,65	0,05			µg/l	
1,1-Dichloroethene	<0,2				µg/l	
Tribromomethane	<0,1				µg/l	
Bromodichloromethane	1,89	0,10			µg/l	
Dibromochloromethane	1,84	0,10			µg/l	
Dichloromethane	2,18	0,13	2,76		µg/l	127%
1,2-Dichloroethane	0,95	0,05	1,12		µg/l	118%
cis-1,2-Dichloroethene	1,69	0,09			µg/l	
trans-1,2-Dichloroethene	0,51	0,04			µg/l	



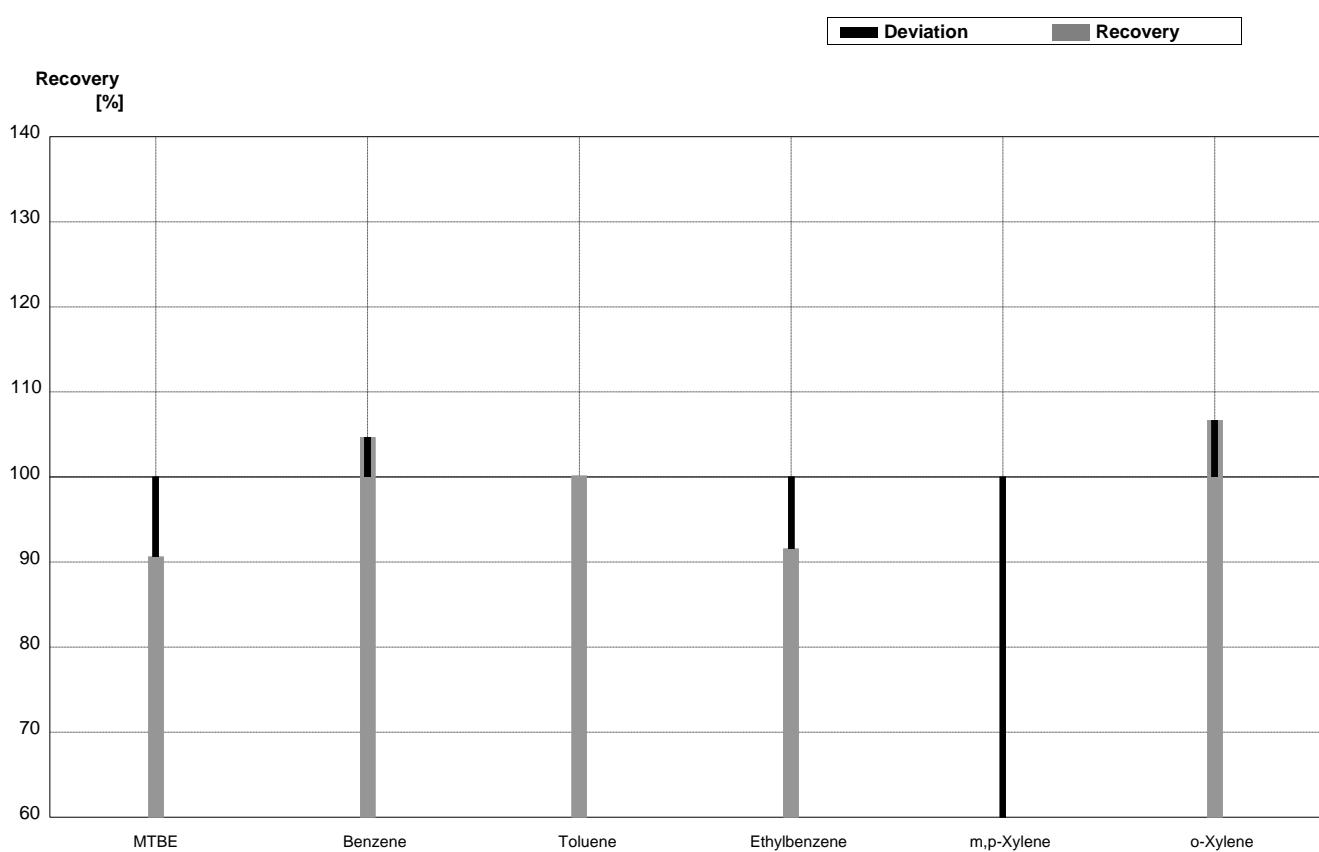
**Sample B-CB08A**  
**Laboratory V**

Parameter	Target value	$\pm U$ ( $k=2$ )	Result	$\pm$	Unit	Recovery
MTBE	0,51	0,08	0,438	0,206	$\mu\text{g/L}$	86%
Benzene	4,34	0,23	4,407	2,248	$\mu\text{g/L}$	102%
Toluene	4,74	0,26	4,854	2,233	$\mu\text{g/L}$	102%
Ethylbenzene	<0,1		<0,015		$\mu\text{g/L}$	•
m,p-Xylene	1,52	0,17	0,609	0,256	$\mu\text{g/L}$	40%
o-Xylene	0,96	0,12	0,873	0,367	$\mu\text{g/L}$	91%



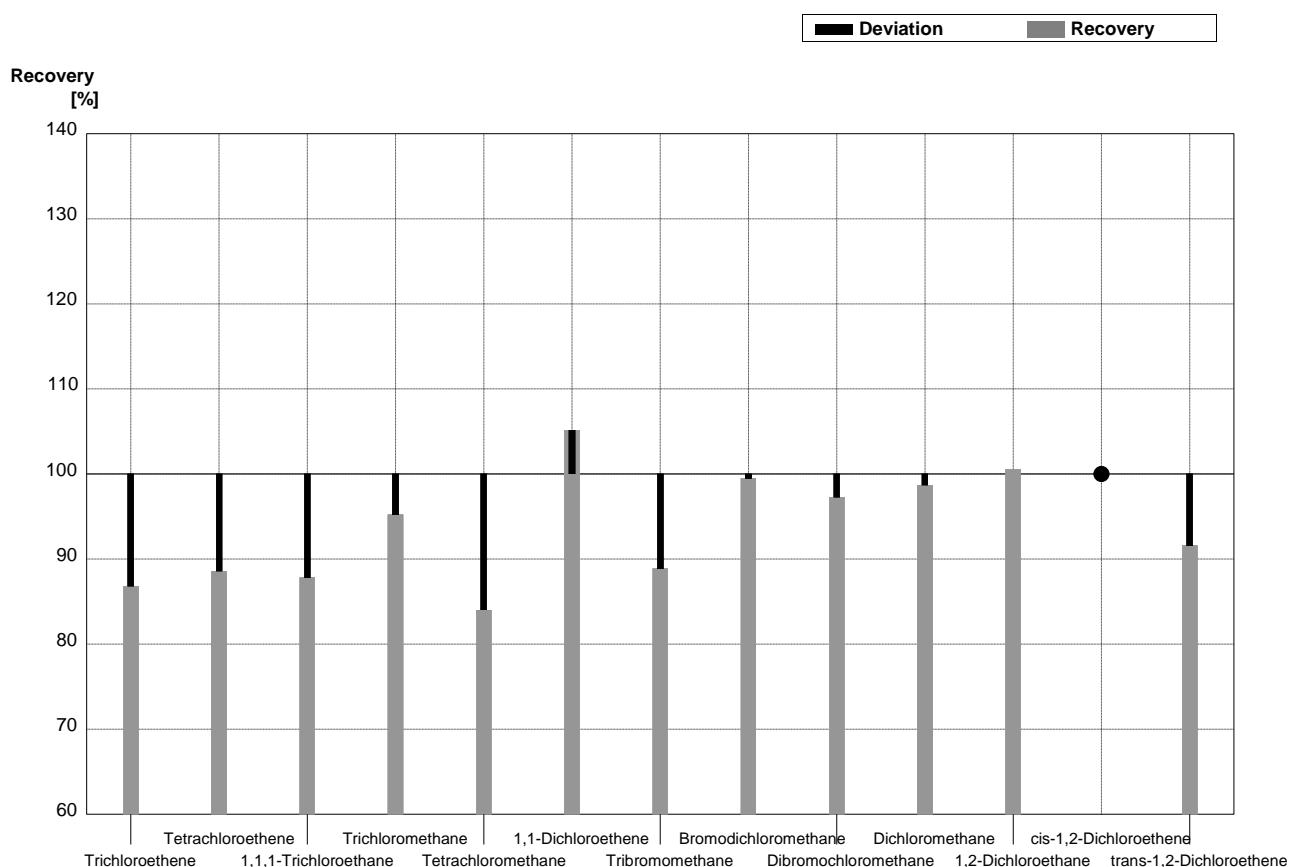
**Sample B-CB08B**  
**Laboratory V**

Parameter	Target value	$\pm U$ ( $k=2$ )	Result	$\pm$	Unit	Recovery
MTBE	2,28	0,14	2,066	0,971	$\mu\text{g/L}$	91%
Benzene	1,16	0,08	1,214	0,619	$\mu\text{g/L}$	105%
Toluene	2,40	0,15	2,403	1,105	$\mu\text{g/L}$	100%
Ethylbenzene	2,12	0,15	1,941	0,815	$\mu\text{g/L}$	92%
m,p-Xylene	5,10	0,30	2,553	1,072	$\mu\text{g/L}$	50%
o-Xylene	5,51	0,30	5,877	2,468	$\mu\text{g/L}$	107%



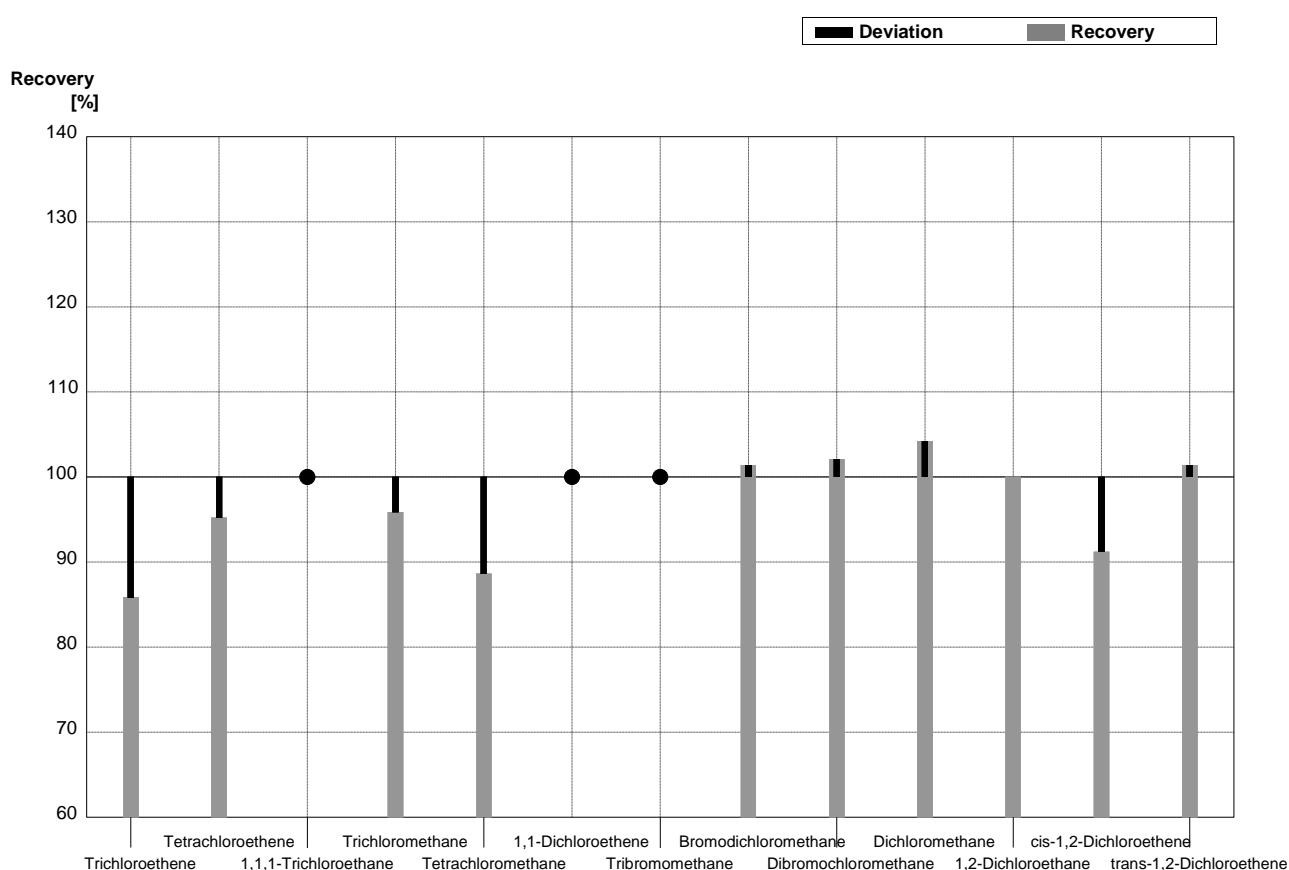
**Sample C-CB08A**  
**Laboratory V**

Parameter	Target value	$\pm U$ ( $k=2$ )	Result	$\pm$	Unit	Recovery
Trichloroethene	1,13	0,07	0,981	0,196	$\mu\text{g/l}$	87%
Tetrachloroethene	0,412	0,035	0,365	0,186	$\mu\text{g/l}$	89%
1,1,1-Trichloroethane	1,24	0,07	1,089	0,218	$\mu\text{g/l}$	88%
Trichloromethane	1,36	0,07	1,295	0,259	$\mu\text{g/l}$	95%
Tetrachloromethane	1,57	0,09	1,319	0,251	$\mu\text{g/l}$	84%
1,1-Dichloroethene	1,96	0,11	2,061	1,092	$\mu\text{g/l}$	105%
Tribromomethane	1,51	0,11	1,342	0,295	$\mu\text{g/l}$	89%
Bromodichloromethane	0,96	0,06	0,955	0,191	$\mu\text{g/l}$	99%
Dibromochloromethane	1,25	0,08	1,216	0,243	$\mu\text{g/l}$	97%
Dichloromethane	0,92	0,09	0,908	0,218	$\mu\text{g/l}$	99%
1,2-Dichloroethane	2,11	0,11	2,121	0,467	$\mu\text{g/l}$	101%
cis-1,2-Dichloroethene	<0,1		<0,05		$\mu\text{g/l}$	•
trans-1,2-Dichloroethene	1,95	0,10	1,786	0,375	$\mu\text{g/l}$	92%



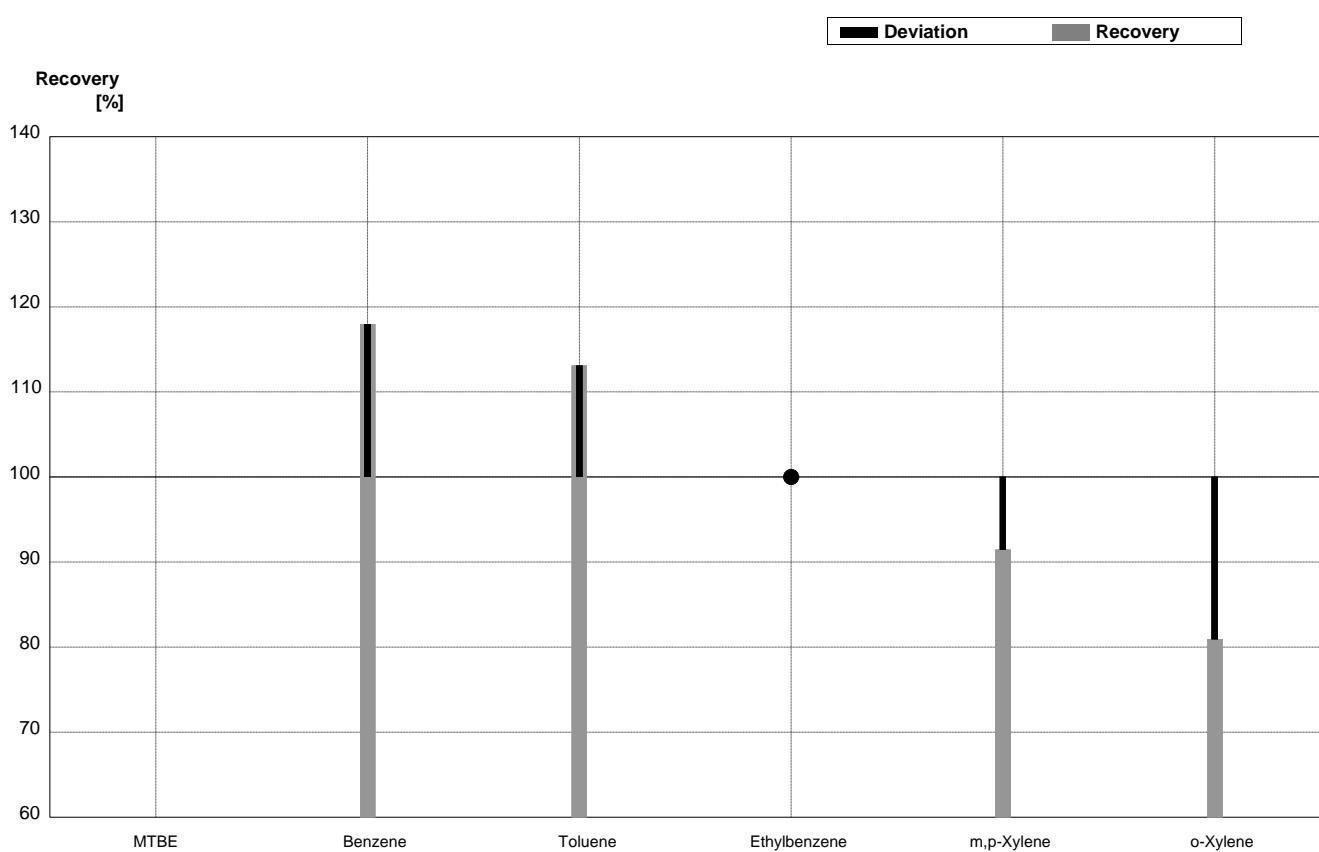
**Sample C-CB08B**  
**Laboratory V**

Parameter	Target value	$\pm U$ ( $k=2$ )	Result	$\pm$	Unit	Recovery
Trichloroethene	1,70	0,09	1,459	0,292	$\mu\text{g/l}$	86%
Tetrachloroethene	1,23	0,07	1,171	0,597	$\mu\text{g/l}$	95%
1,1,1-Trichloroethane	<0,1		<0,015		$\mu\text{g/l}$	•
Trichloromethane	2,22	0,12	2,128	0,426	$\mu\text{g/l}$	96%
Tetrachloromethane	0,65	0,05	0,576	0,109	$\mu\text{g/l}$	89%
1,1-Dichloroethene	<0,2		<0,015		$\mu\text{g/l}$	•
Tribromomethane	<0,1		<0,05		$\mu\text{g/l}$	•
Bromodichloromethane	1,89	0,10	1,916	0,383	$\mu\text{g/l}$	101%
Dibromochloromethane	1,84	0,10	1,878	0,376	$\mu\text{g/l}$	102%
Dichloromethane	2,18	0,13	2,272	0,545	$\mu\text{g/l}$	104%
1,2-Dichloroethane	0,95	0,05	0,950	0,209	$\mu\text{g/l}$	100%
cis-1,2-Dichloroethene	1,69	0,09	1,541	0,324	$\mu\text{g/l}$	91%
trans-1,2-Dichloroethene	0,51	0,04	0,517	0,109	$\mu\text{g/l}$	101%



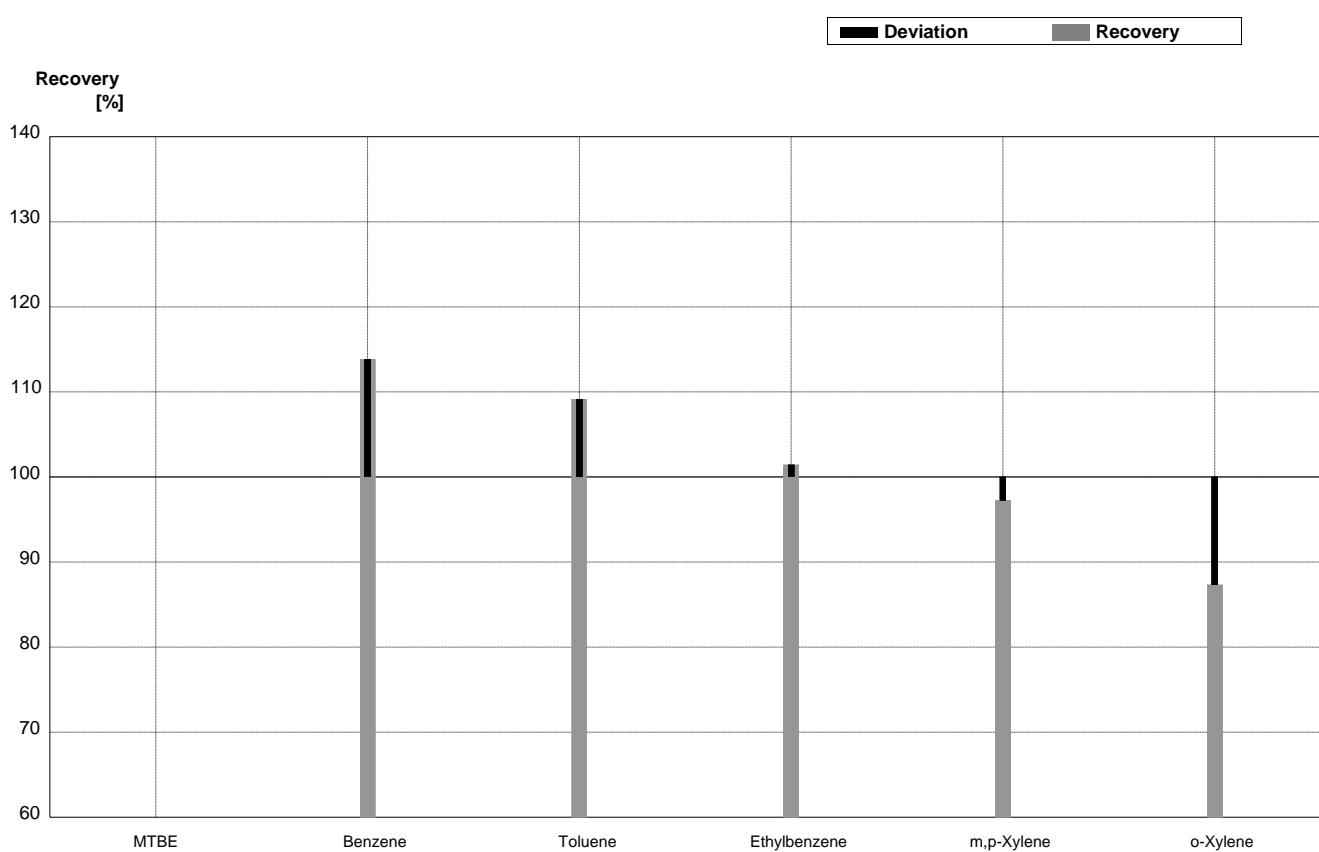
**Sample B-CB08A**  
**Laboratory W**

Parameter	Target value	$\pm U$ ( $k=2$ )	Result	$\pm$	Unit	Recovery
MTBE	0,51	0,08			$\mu\text{g/L}$	
Benzene	4,34	0,23	5,12	0,71	$\mu\text{g/L}$	118%
Toluene	4,74	0,26	5,36	0,96	$\mu\text{g/L}$	113%
Ethylbenzene	<0,1		<0,500	0,25	$\mu\text{g/L}$	•
m,p-Xylene	1,52	0,17	1,39	0,24	$\mu\text{g/L}$	91%
o-Xylene	0,96	0,12	0,777	0,120	$\mu\text{g/L}$	81%



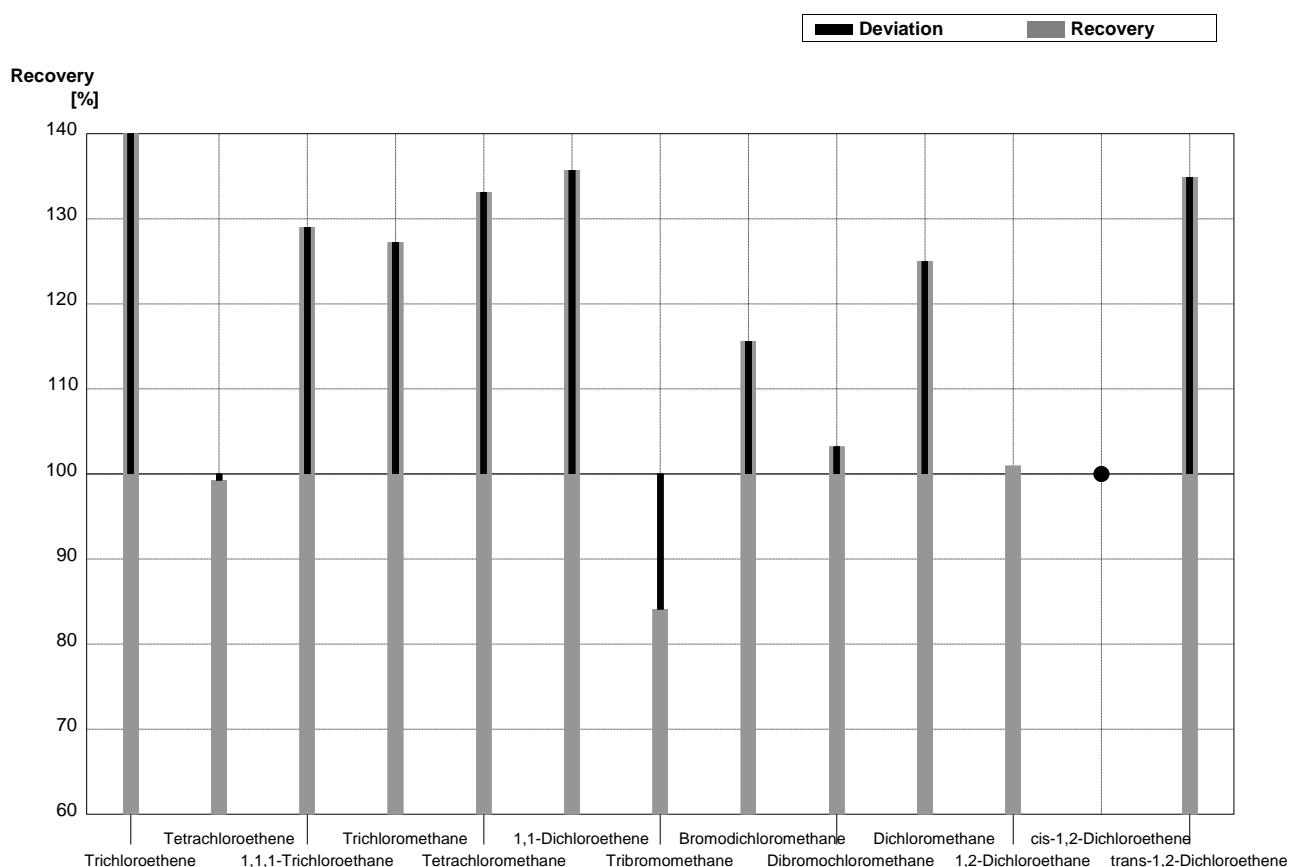
**Sample B-CB08B**  
**Laboratory W**

Parameter	Target value	$\pm U$ ( $k=2$ )	Result	$\pm$	Unit	Recovery
MTBE	2,28	0,14			$\mu\text{g/L}$	
Benzene	1,16	0,08	1,32	0,18	$\mu\text{g/L}$	114%
Toluene	2,40	0,15	2,62	0,47	$\mu\text{g/L}$	109%
Ethylbenzene	2,12	0,15	2,15	0,34	$\mu\text{g/L}$	101%
m,p-Xylene	5,10	0,30	4,96	0,84	$\mu\text{g/L}$	97%
o-Xylene	5,51	0,30	4,81	0,72	$\mu\text{g/L}$	87%



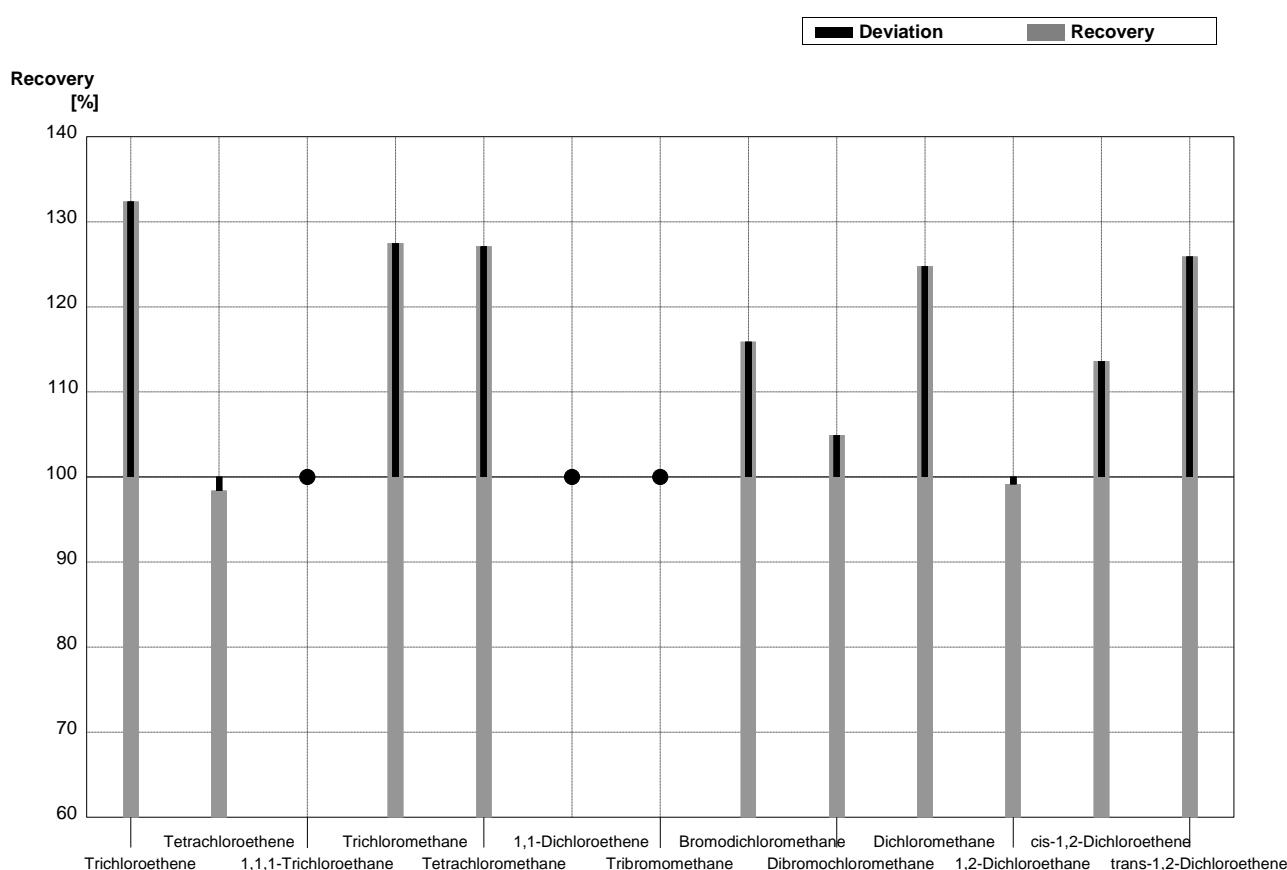
**Sample C-CB08A**  
**Laboratory W**

Parameter	Target value	$\pm U$ ( $k=2$ )	Result	$\pm$	Unit	Recovery
Trichloroethene	1,13	0,07	1,71	0,38	$\mu\text{g/l}$	151%
Tetrachloroethene	0,412	0,035	0,409	0,086	$\mu\text{g/l}$	99%
1,1,1-Trichloroethane	1,24	0,07	1,60	0,34	$\mu\text{g/l}$	129%
Trichloromethane	1,36	0,07	1,73	0,31	$\mu\text{g/l}$	127%
Tetrachloromethane	1,57	0,09	2,09	0,50	$\mu\text{g/l}$	133%
1,1-Dichloroethene	1,96	0,11	2,66	0,64	$\mu\text{g/l}$	136%
Tribromomethane	1,51	0,11	1,27	0,21	$\mu\text{g/l}$	84%
Bromodichloromethane	0,96	0,06	1,11	0,18	$\mu\text{g/l}$	116%
Dibromochloromethane	1,25	0,08	1,29	0,22	$\mu\text{g/l}$	103%
Dichloromethane	0,92	0,09	1,15	0,22	$\mu\text{g/l}$	125%
1,2-Dichloroethane	2,11	0,11	2,13	0,36	$\mu\text{g/l}$	101%
cis-1,2-Dichloroethene	<0,1		<0,500	0,25	$\mu\text{g/l}$	•
trans-1,2-Dichloroethene	1,95	0,10	2,63	0,63	$\mu\text{g/l}$	135%



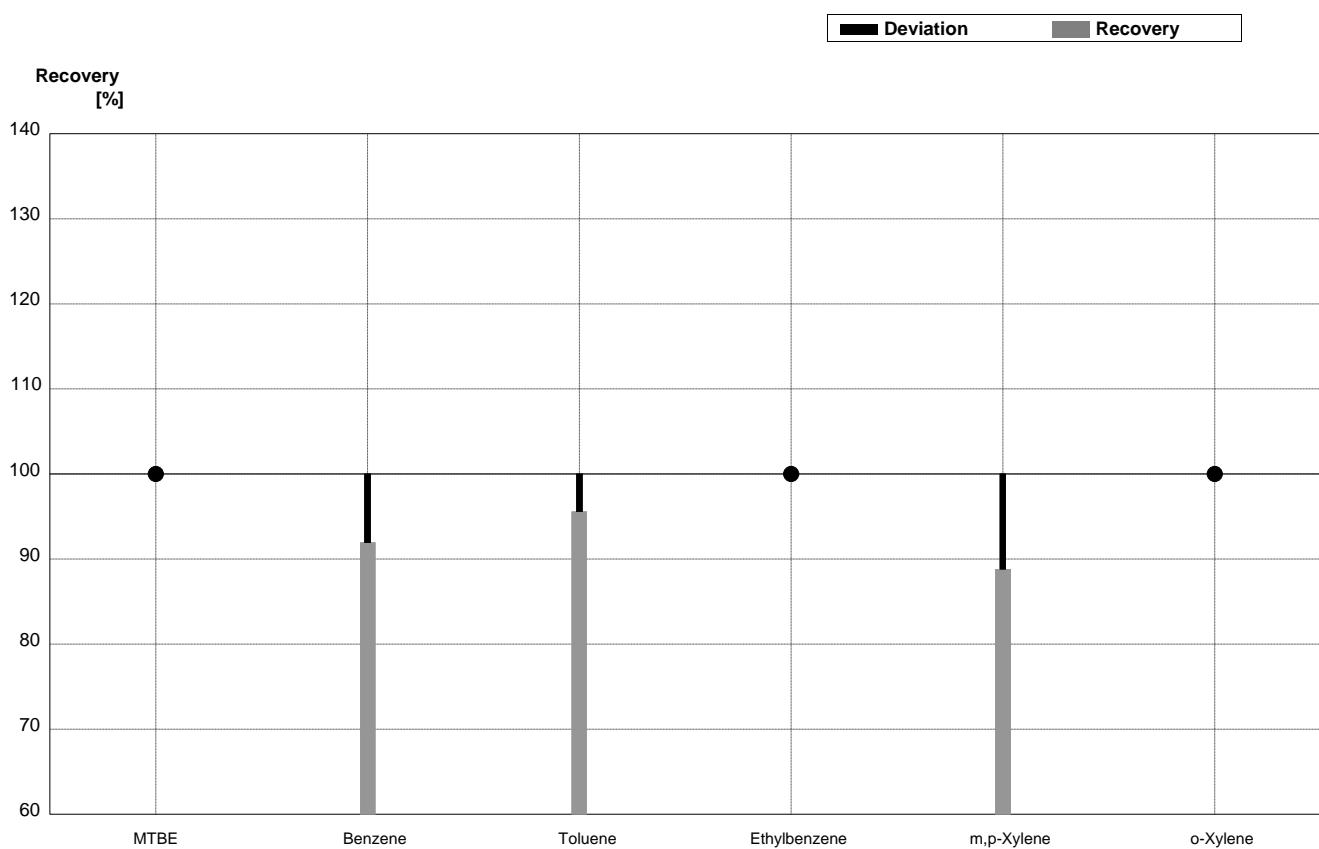
**Sample C-CB08B**  
**Laboratory W**

Parameter	Target value	$\pm U$ ( $k=2$ )	Result	$\pm$	Unit	Recovery
Trichloroethene	1,70	0,09	2,25	0,49	$\mu\text{g/l}$	132%
Tetrachloroethene	1,23	0,07	1,21	0,25	$\mu\text{g/l}$	98%
1,1,1-Trichloroethane	<0,1		<0,500	0,25	$\mu\text{g/l}$	•
Trichloromethane	2,22	0,12	2,83	0,51	$\mu\text{g/l}$	127%
Tetrachloromethane	0,65	0,05	0,826	0,173	$\mu\text{g/l}$	127%
1,1-Dichloroethene	<0,2		<0,500	0,25	$\mu\text{g/l}$	•
Tribromomethane	<0,1		<0,500	0,25	$\mu\text{g/l}$	•
Bromodichloromethane	1,89	0,10	2,19	0,35	$\mu\text{g/l}$	116%
Dibromochloromethane	1,84	0,10	1,93	0,33	$\mu\text{g/l}$	105%
Dichloromethane	2,18	0,13	2,72	0,51	$\mu\text{g/l}$	125%
1,2-Dichloroethane	0,95	0,05	0,942	0,160	$\mu\text{g/l}$	99%
cis-1,2-Dichloroethene	1,69	0,09	1,92	0,34	$\mu\text{g/l}$	114%
trans-1,2-Dichloroethene	0,51	0,04	0,642	0,154	$\mu\text{g/l}$	126%



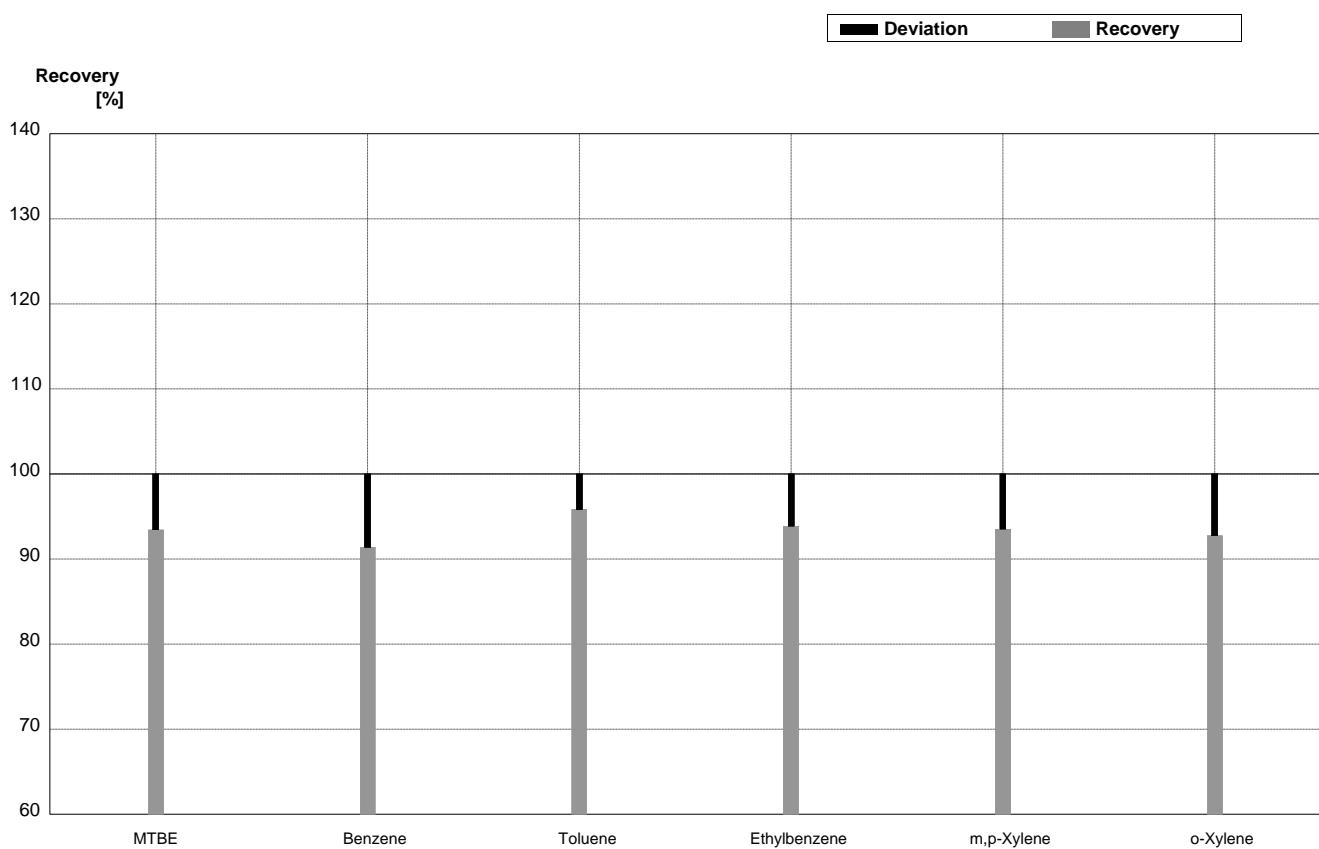
**Sample      B-CB08A**  
**Laboratory X**

Parameter	Target value	$\pm U$ ( $k=2$ )	Result	$\pm$	Unit	Recovery
MTBE	0,51	0,08	<1		$\mu\text{g/L}$	•
Benzene	4,34	0,23	3,99	0,60	$\mu\text{g/L}$	92%
Toluene	4,74	0,26	4,53	0,68	$\mu\text{g/L}$	96%
Ethylbenzene	<0,1		<0,5		$\mu\text{g/L}$	•
m,p-Xylene	1,52	0,17	1,35	0,20	$\mu\text{g/L}$	89%
o-Xylene	0,96	0,12	<1		$\mu\text{g/L}$	•



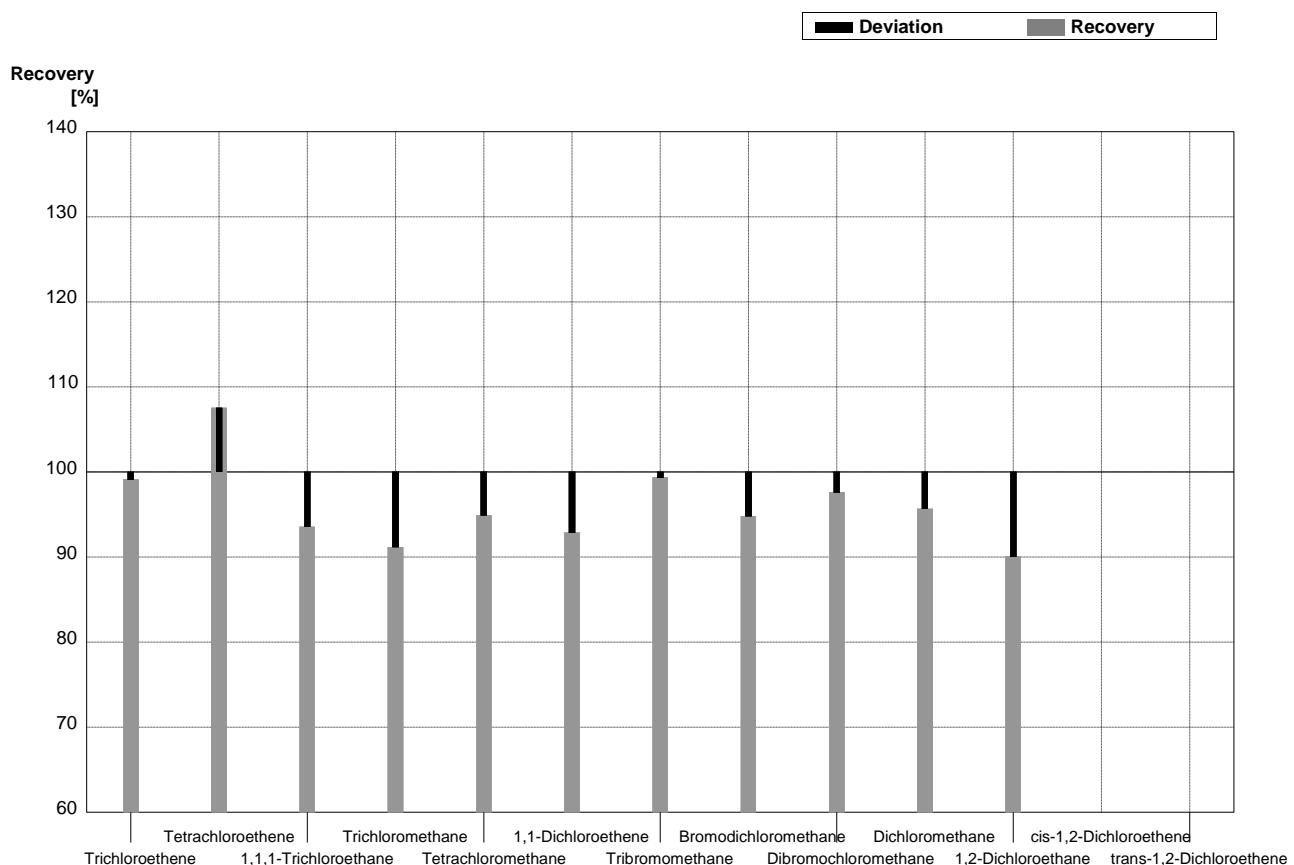
**Sample      B-CB08B**  
**Laboratory X**

Parameter	Target value	$\pm U$ ( $k=2$ )	Result	$\pm$	Unit	Recovery
MTBE	2,28	0,14	2,13	0,32	$\mu\text{g/L}$	93%
Benzene	1,16	0,08	1,06	0,16	$\mu\text{g/L}$	91%
Toluene	2,40	0,15	2,30	0,35	$\mu\text{g/L}$	96%
Ethylbenzene	2,12	0,15	1,99	0,30	$\mu\text{g/L}$	94%
m,p-Xylene	5,10	0,30	4,77	0,72	$\mu\text{g/L}$	94%
o-Xylene	5,51	0,30	5,11	0,77	$\mu\text{g/L}$	93%



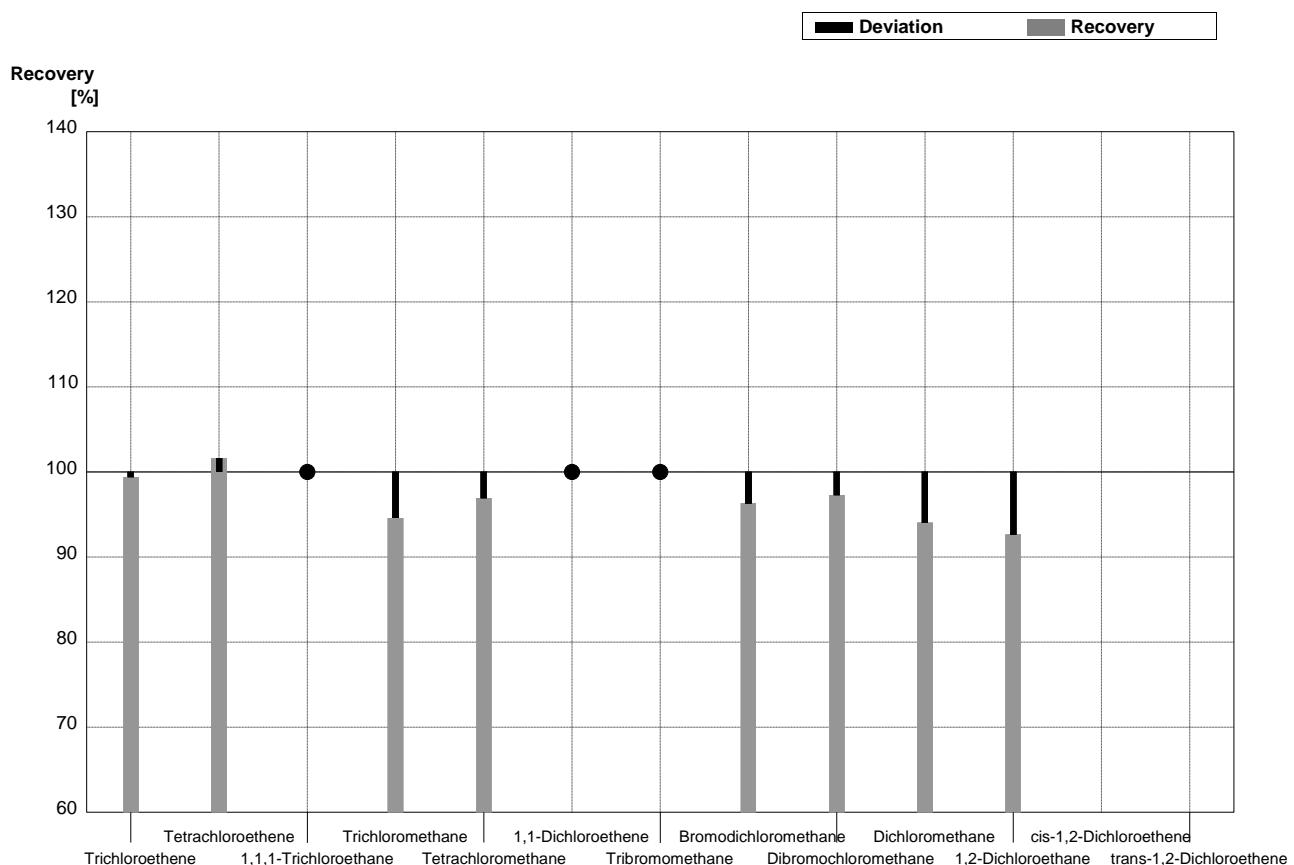
**Sample C-CB08A**  
**Laboratory X**

Parameter	Target value	± U (k=2)	Result	±	Unit	Recovery
Trichloroethene	1,13	0,07	1,12	0,17	µg/l	99%
Tetrachloroethene	0,412	0,035	0,443	0,07	µg/l	108%
1,1,1-Trichloroethane	1,24	0,07	1,16	0,17	µg/l	94%
Trichloromethane	1,36	0,07	1,24	0,19	µg/l	91%
Tetrachloromethane	1,57	0,09	1,49	0,22	µg/l	95%
1,1-Dichloroethene	1,96	0,11	1,82	0,27	µg/l	93%
Tribromomethane	1,51	0,11	1,50	0,23	µg/l	99%
Bromodichloromethane	0,96	0,06	0,91	0,14	µg/l	95%
Dibromochloromethane	1,25	0,08	1,22	0,18	µg/l	98%
Dichloromethane	0,92	0,09	0,88	0,13	µg/l	96%
1,2-Dichloroethane	2,11	0,11	1,90	0,29	µg/l	90%
cis-1,2-Dichloroethene	<0,1				µg/l	
trans-1,2-Dichloroethene	1,95	0,10			µg/l	



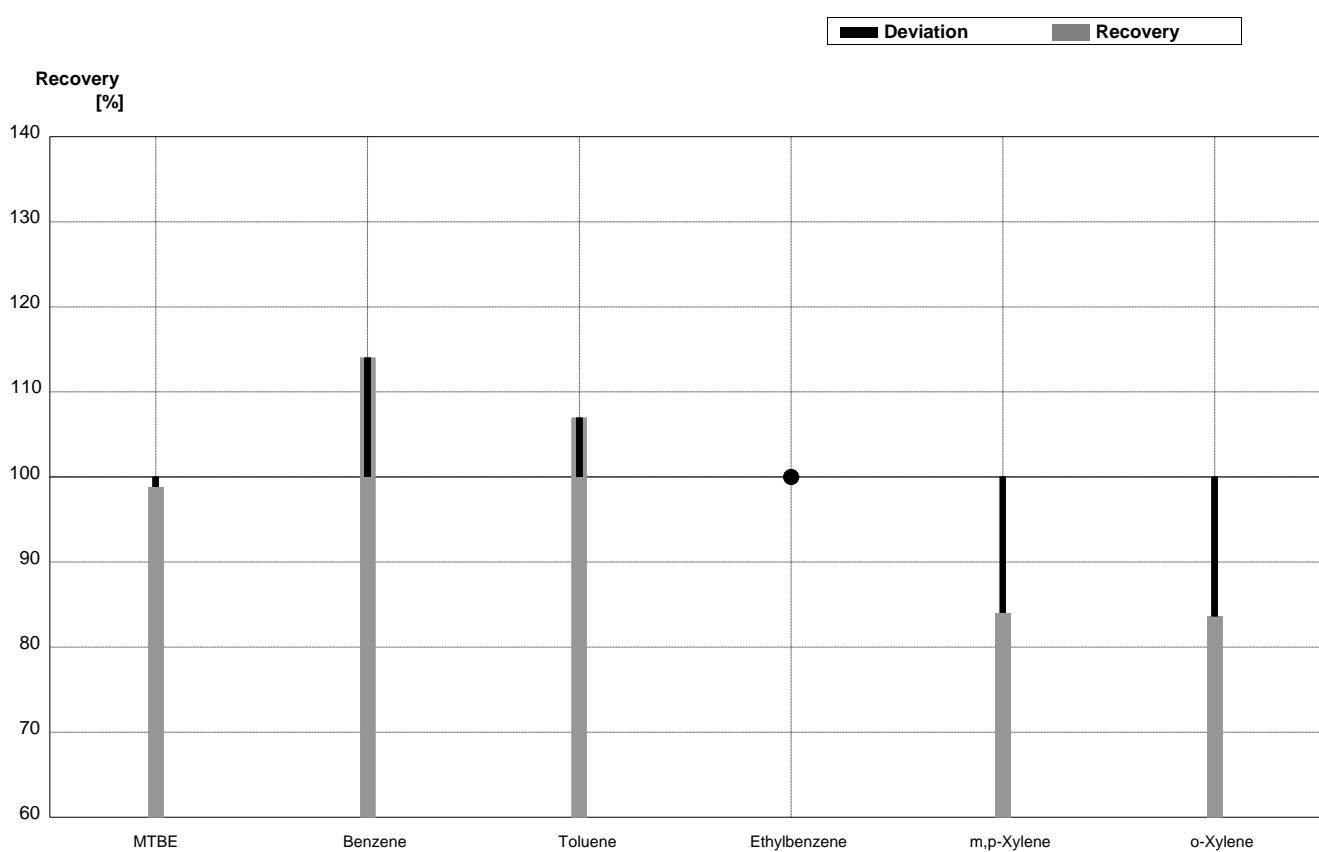
**Sample C-CB08B**  
**Laboratory X**

Parameter	Target value	$\pm U$ ( $k=2$ )	Result	$\pm$	Unit	Recovery
Trichloroethene	1,70	0,09	1,69	0,25	$\mu\text{g/l}$	99%
Tetrachloroethene	1,23	0,07	1,25	0,19	$\mu\text{g/l}$	102%
1,1,1-Trichloroethane	<0,1		<0,3		$\mu\text{g/l}$	•
Trichloromethane	2,22	0,12	2,10	0,32	$\mu\text{g/l}$	95%
Tetrachloromethane	0,65	0,05	0,63	0,10	$\mu\text{g/l}$	97%
1,1-Dichloroethene	<0,2		<0,1		$\mu\text{g/l}$	•
Tribromomethane	<0,1		<0,3		$\mu\text{g/l}$	•
Bromodichloromethane	1,89	0,10	1,82	0,27	$\mu\text{g/l}$	96%
Dibromochloromethane	1,84	0,10	1,79	0,27	$\mu\text{g/l}$	97%
Dichloromethane	2,18	0,13	2,05	0,31	$\mu\text{g/l}$	94%
1,2-Dichloroethane	0,95	0,05	0,88	0,13	$\mu\text{g/l}$	93%
cis-1,2-Dichloroethene	1,69	0,09			$\mu\text{g/l}$	
trans-1,2-Dichloroethene	0,51	0,04			$\mu\text{g/l}$	



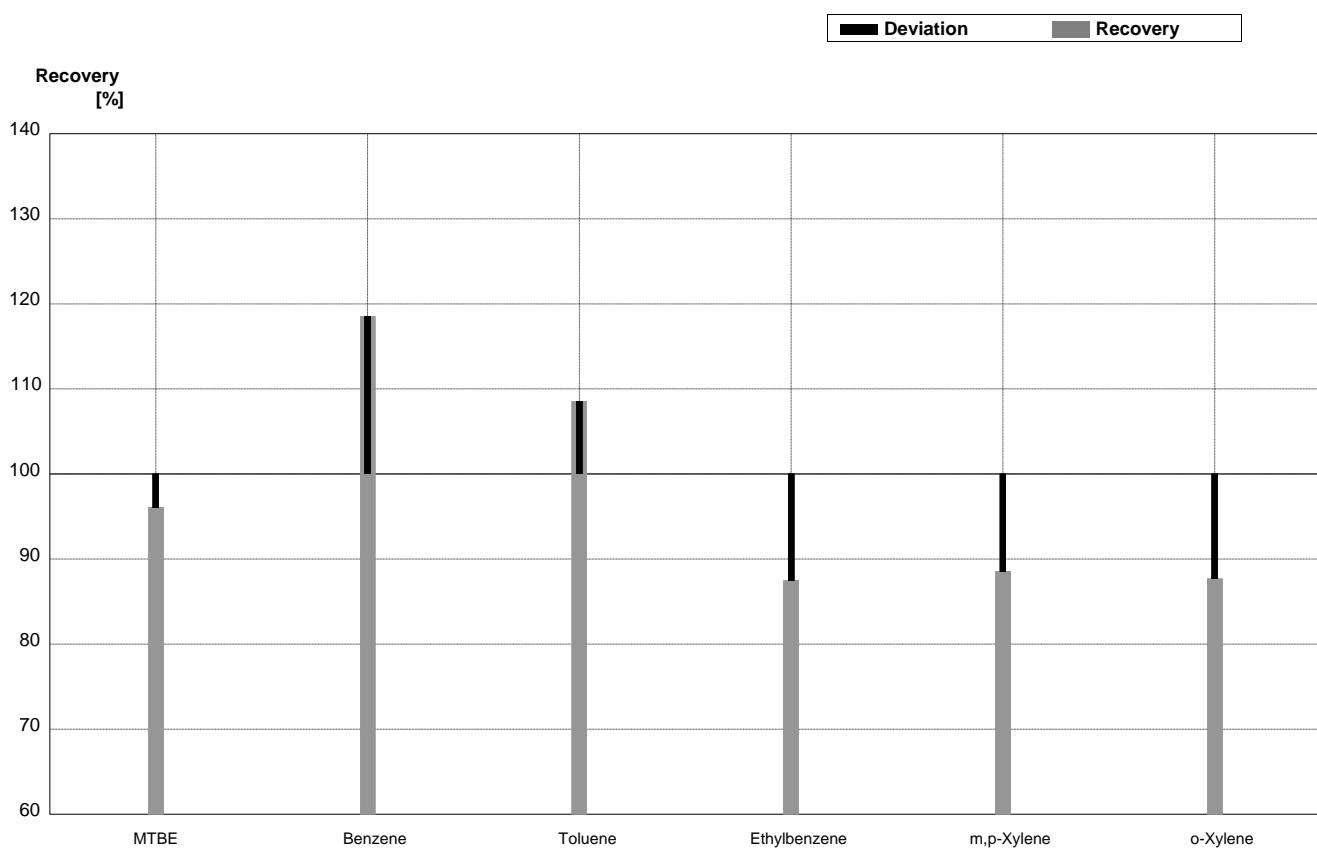
**Sample B-CB08A**  
**Laboratory Y**

Parameter	Target value	$\pm U$ ( $k=2$ )	Result	$\pm$	Unit	Recovery
MTBE	0,51	0,08	0,504	0,050	$\mu\text{g/L}$	99%
Benzene	4,34	0,23	4,948	0,495	$\mu\text{g/L}$	114%
Toluene	4,74	0,26	5,069	0,507	$\mu\text{g/L}$	107%
Ethylbenzene	<0,1		<0,1		$\mu\text{g/L}$	•
m,p-Xylene	1,52	0,17	1,277	0,128	$\mu\text{g/L}$	84%
o-Xylene	0,96	0,12	0,803	0,080	$\mu\text{g/L}$	84%



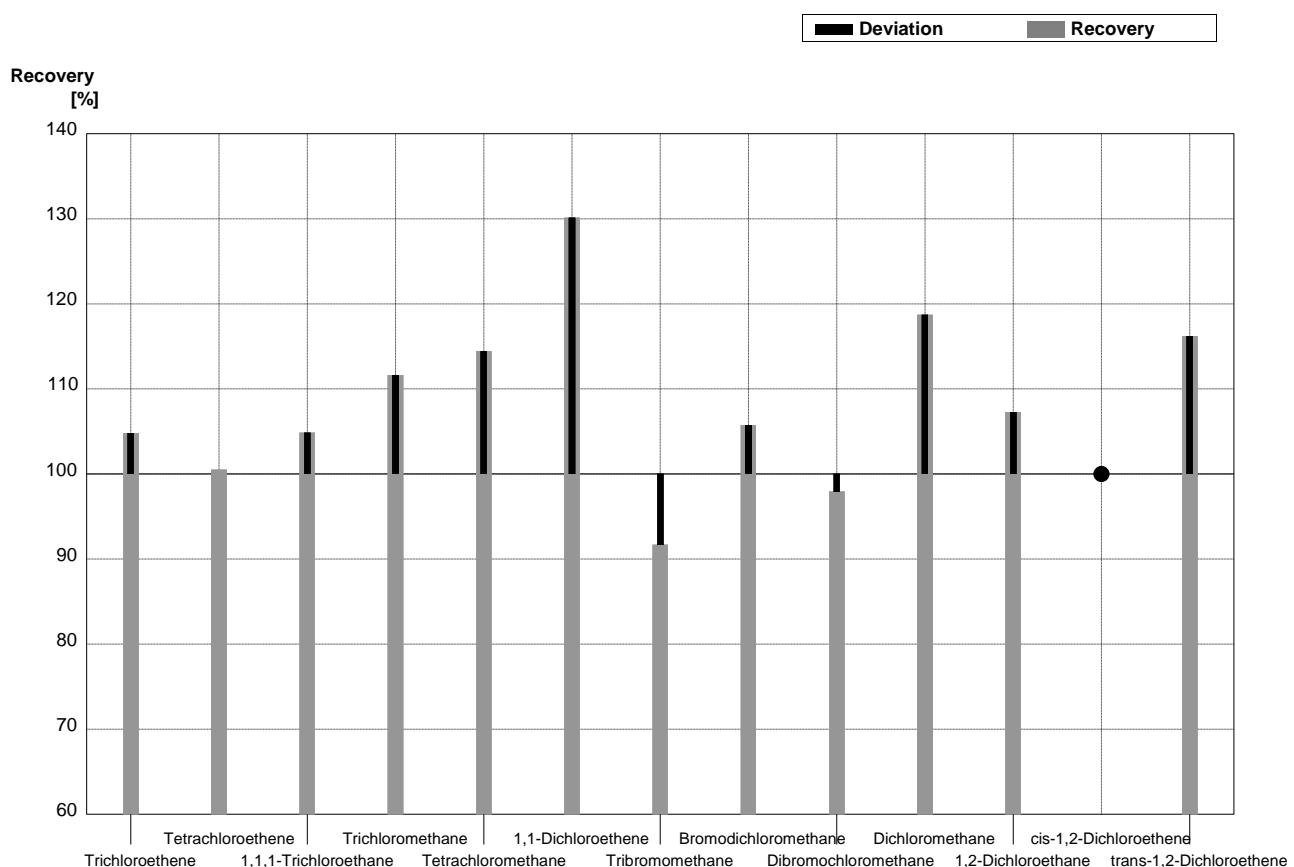
**Sample      B-CB08B**  
**Laboratory Y**

Parameter	Target value	$\pm U$ ( $k=2$ )	Result	$\pm$	Unit	Recovery
MTBE	2,28	0,14	2,190	0,219	$\mu\text{g/L}$	96%
Benzene	1,16	0,08	1,375	0,138	$\mu\text{g/L}$	119%
Toluene	2,40	0,15	2,605	0,261	$\mu\text{g/L}$	109%
Ethylbenzene	2,12	0,15	1,854	0,185	$\mu\text{g/L}$	87%
m,p-Xylene	5,10	0,30	4,515	0,452	$\mu\text{g/L}$	89%
o-Xylene	5,51	0,30	4,831	0,483	$\mu\text{g/L}$	88%



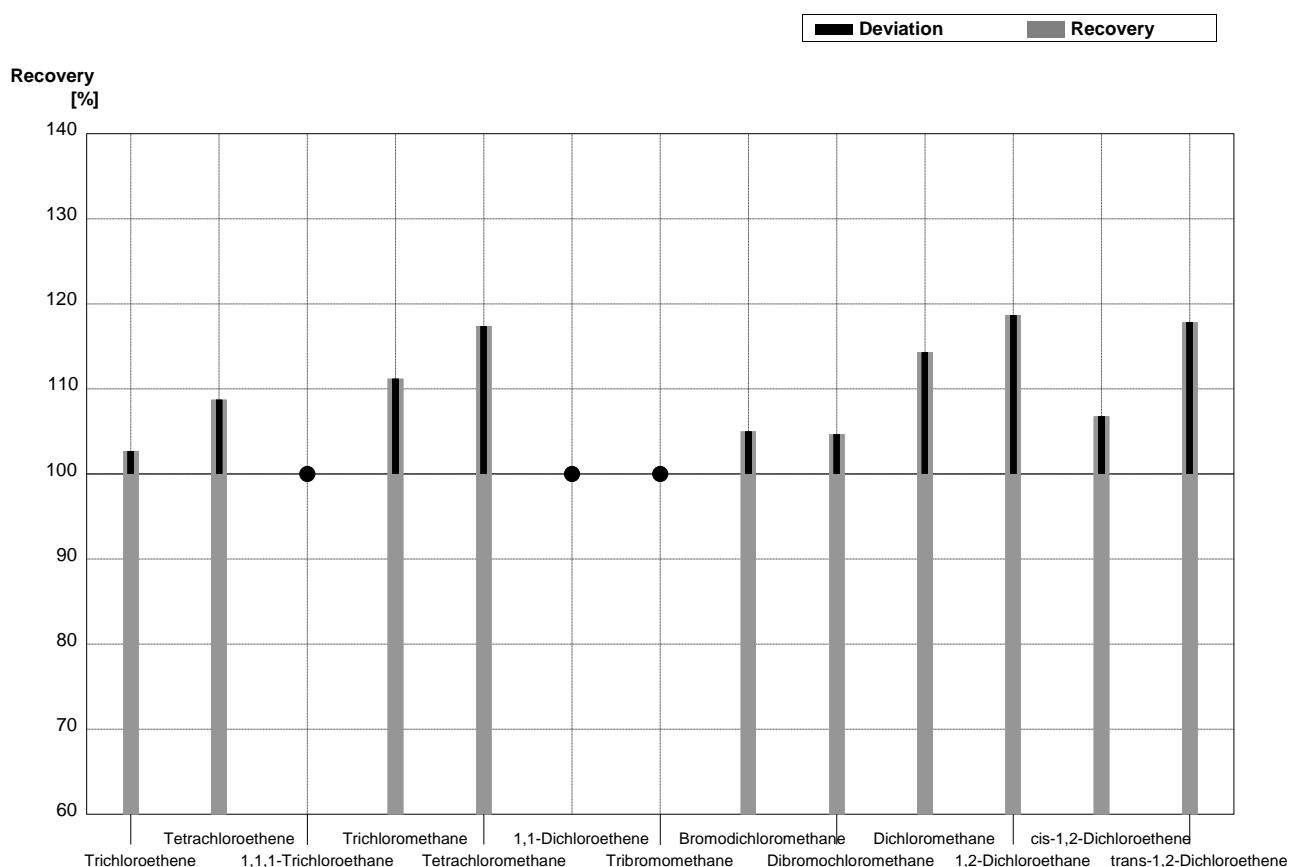
**Sample C-CB08A**  
**Laboratory Y**

Parameter	Target value	$\pm U$ ( $k=2$ )	Result	$\pm$	Unit	Recovery
Trichloroethene	1,13	0,07	1,184	0,118	$\mu\text{g/l}$	105%
Tetrachloroethene	0,412	0,035	0,414	0,041	$\mu\text{g/l}$	100%
1,1,1-Trichloroethane	1,24	0,07	1,300	0,130	$\mu\text{g/l}$	105%
Trichloromethane	1,36	0,07	1,518	1,152	$\mu\text{g/l}$	112%
Tetrachloromethane	1,57	0,09	1,796	0,180	$\mu\text{g/l}$	114%
1,1-Dichloroethene	1,96	0,11	2,550	0,255	$\mu\text{g/l}$	130%
Tribromomethane	1,51	0,11	1,384	0,138	$\mu\text{g/l}$	92%
Bromodichloromethane	0,96	0,06	1,015	0,102	$\mu\text{g/l}$	106%
Dibromochloromethane	1,25	0,08	1,224	0,122	$\mu\text{g/l}$	98%
Dichloromethane	0,92	0,09	1,092	0,109	$\mu\text{g/l}$	119%
1,2-Dichloroethane	2,11	0,11	2,263	0,226	$\mu\text{g/l}$	107%
cis-1,2-Dichloroethene	<0,1		<0,2		$\mu\text{g/l}$	•
trans-1,2-Dichloroethene	1,95	0,10	2,266	0,227	$\mu\text{g/l}$	116%



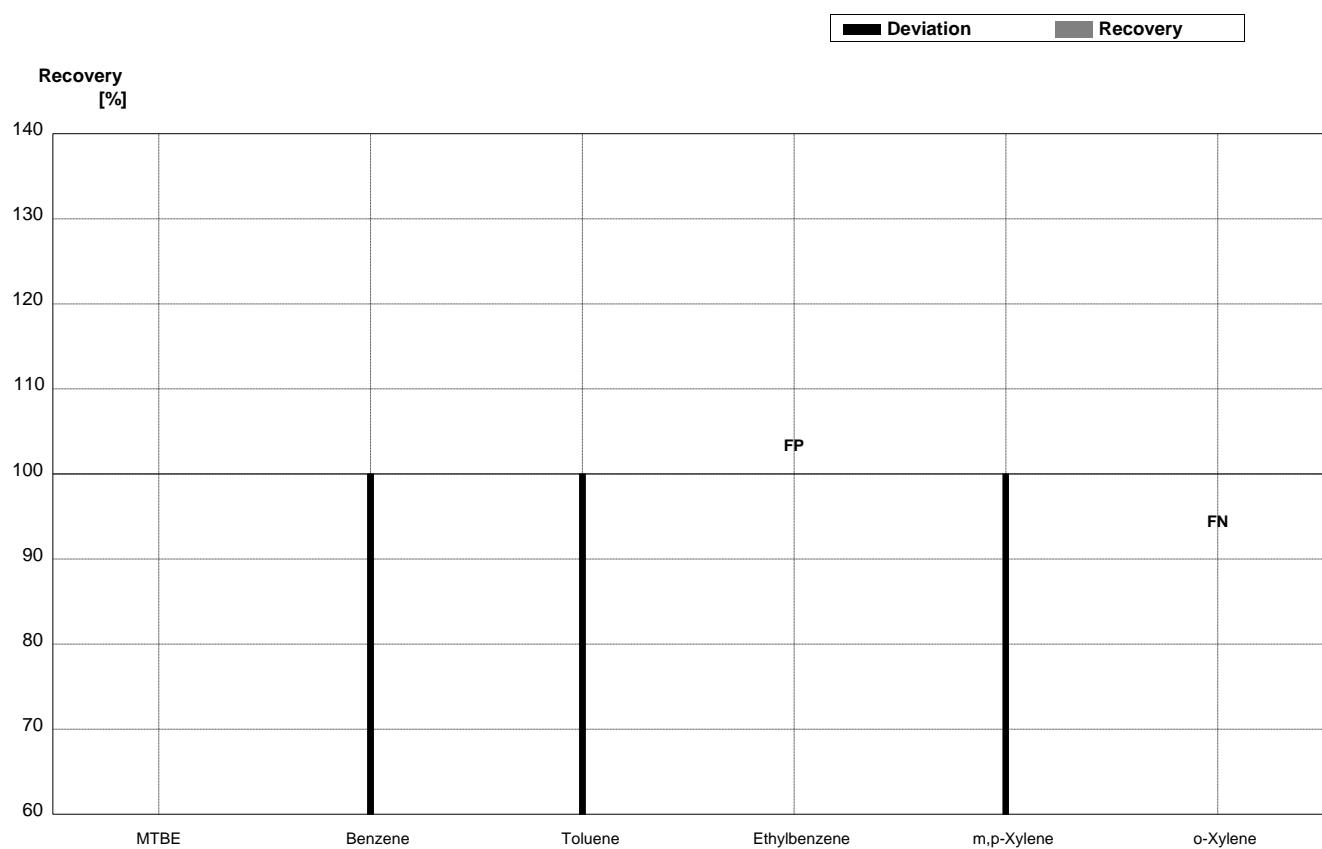
**Sample C-CB08B**  
**Laboratory Y**

Parameter	Target value	$\pm U$ ( $k=2$ )	Result	$\pm$	Unit	Recovery
Trichloroethene	1,70	0,09	1,745	0,175	$\mu\text{g/l}$	103%
Tetrachloroethene	1,23	0,07	1,337	0,134	$\mu\text{g/l}$	109%
1,1,1-Trichloroethane	<0,1		<0,1		$\mu\text{g/l}$	•
Trichloromethane	2,22	0,12	2,468	0,247	$\mu\text{g/l}$	111%
Tetrachloromethane	0,65	0,05	0,763	0,076	$\mu\text{g/l}$	117%
1,1-Dichloroethene	<0,2		<0,1		$\mu\text{g/l}$	•
Tribromomethane	<0,1		<0,1		$\mu\text{g/l}$	•
Bromodichloromethane	1,89	0,10	1,984	0,198	$\mu\text{g/l}$	105%
Dibromochloromethane	1,84	0,10	1,926	0,193	$\mu\text{g/l}$	105%
Dichloromethane	2,18	0,13	2,491	0,249	$\mu\text{g/l}$	114%
1,2-Dichloroethane	0,95	0,05	1,127	0,113	$\mu\text{g/l}$	119%
cis-1,2-Dichloroethene	1,69	0,09	1,804	0,180	$\mu\text{g/l}$	107%
trans-1,2-Dichloroethene	0,51	0,04	0,601	0,060	$\mu\text{g/l}$	118%



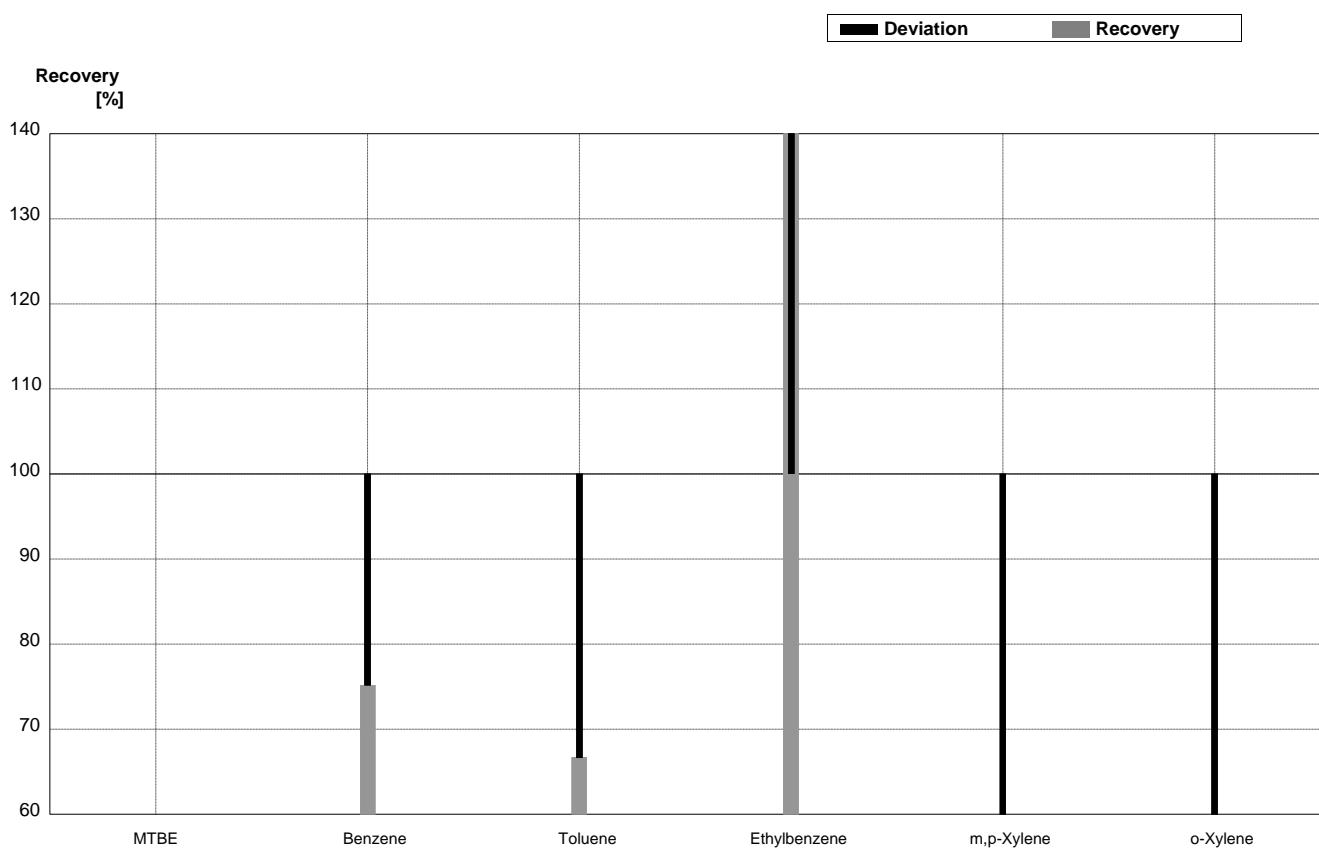
**Sample      B-CB08A**  
**Laboratory Z**

Parameter	Target value	± U (k=2)	Result	±	Unit	Recovery
MTBE	0,51	0,08			µg/L	
Benzene	4,34	0,23	2,52		µg/L	58%
Toluene	4,74	0,26	2,66		µg/L	56%
Ethylbenzene	<0,1		0,511		µg/L	FP
m,p-Xylene	1,52	0,17	0,385		µg/L	25%
o-Xylene	0,96	0,12	<0,1		µg/L	FN



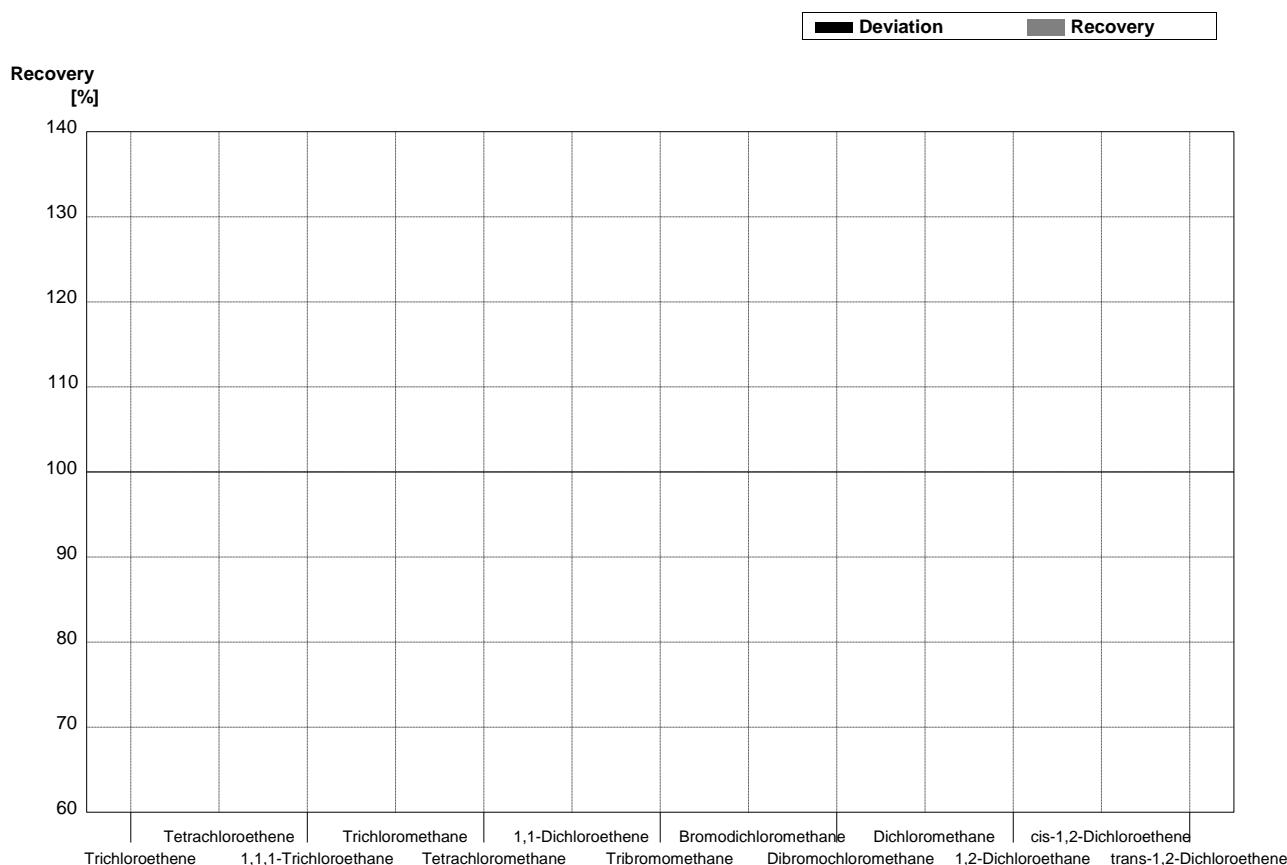
**Sample      B-CB08B**  
**Laboratory Z**

Parameter	Target value	$\pm U$ ( $k=2$ )	Result	$\pm$	Unit	Recovery
MTBE	2,28	0,14			$\mu\text{g/L}$	
Benzene	1,16	0,08	0,872		$\mu\text{g/L}$	75%
Toluene	2,40	0,15	1,60		$\mu\text{g/L}$	67%
Ethylbenzene	2,12	0,15	3,14		$\mu\text{g/L}$	148%
m,p-Xylene	5,10	0,30	1,60		$\mu\text{g/L}$	31%
o-Xylene	5,51	0,30	1,34		$\mu\text{g/L}$	24%



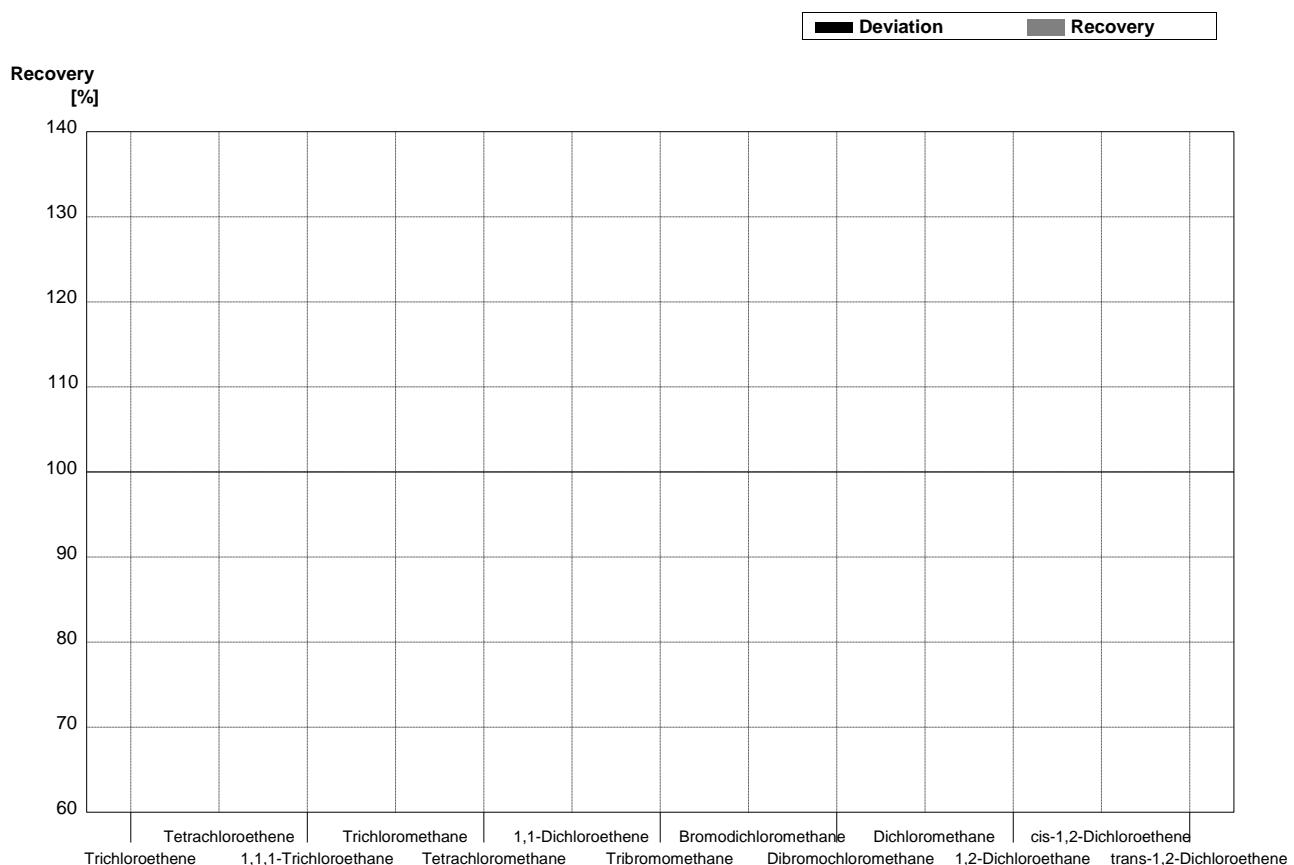
**Sample C-CB08A**  
**Laboratory Z**

Parameter	Target value	± U (k=2)	Result	±	Unit	Recovery
Trichloroethene	1,13	0,07			µg/l	
Tetrachloroethene	0,412	0,035			µg/l	
1,1,1-Trichloroethane	1,24	0,07			µg/l	
Trichloromethane	1,36	0,07			µg/l	
Tetrachloromethane	1,57	0,09			µg/l	
1,1-Dichloroethene	1,96	0,11			µg/l	
Tribromomethane	1,51	0,11			µg/l	
Bromodichloromethane	0,96	0,06			µg/l	
Dibromochloromethane	1,25	0,08			µg/l	
Dichloromethane	0,92	0,09			µg/l	
1,2-Dichloroethane	2,11	0,11			µg/l	
cis-1,2-Dichloroethene	<0,1				µg/l	
trans-1,2-Dichloroethene	1,95	0,10			µg/l	



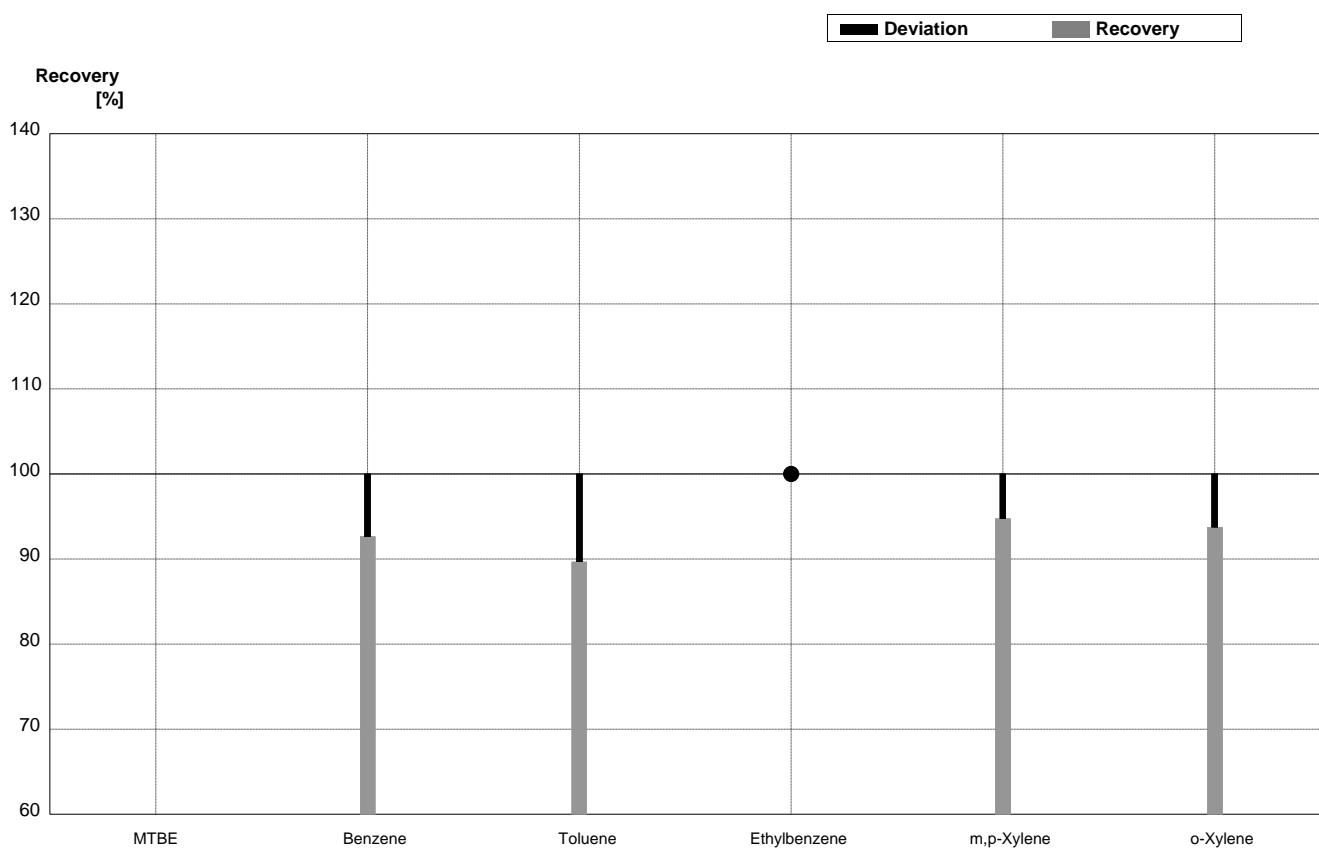
**Sample C-CB08B**  
**Laboratory Z**

Parameter	Target value	± U (k=2)	Result	±	Unit	Recovery
Trichloroethene	1,70	0,09			µg/l	
Tetrachloroethene	1,23	0,07			µg/l	
1,1,1-Trichloroethane	<0,1				µg/l	
Trichloromethane	2,22	0,12			µg/l	
Tetrachloromethane	0,65	0,05			µg/l	
1,1-Dichloroethene	<0,2				µg/l	
Tribromomethane	<0,1				µg/l	
Bromodichloromethane	1,89	0,10			µg/l	
Dibromochloromethane	1,84	0,10			µg/l	
Dichloromethane	2,18	0,13			µg/l	
1,2-Dichloroethane	0,95	0,05			µg/l	
cis-1,2-Dichloroethene	1,69	0,09			µg/l	
trans-1,2-Dichloroethene	0,51	0,04			µg/l	



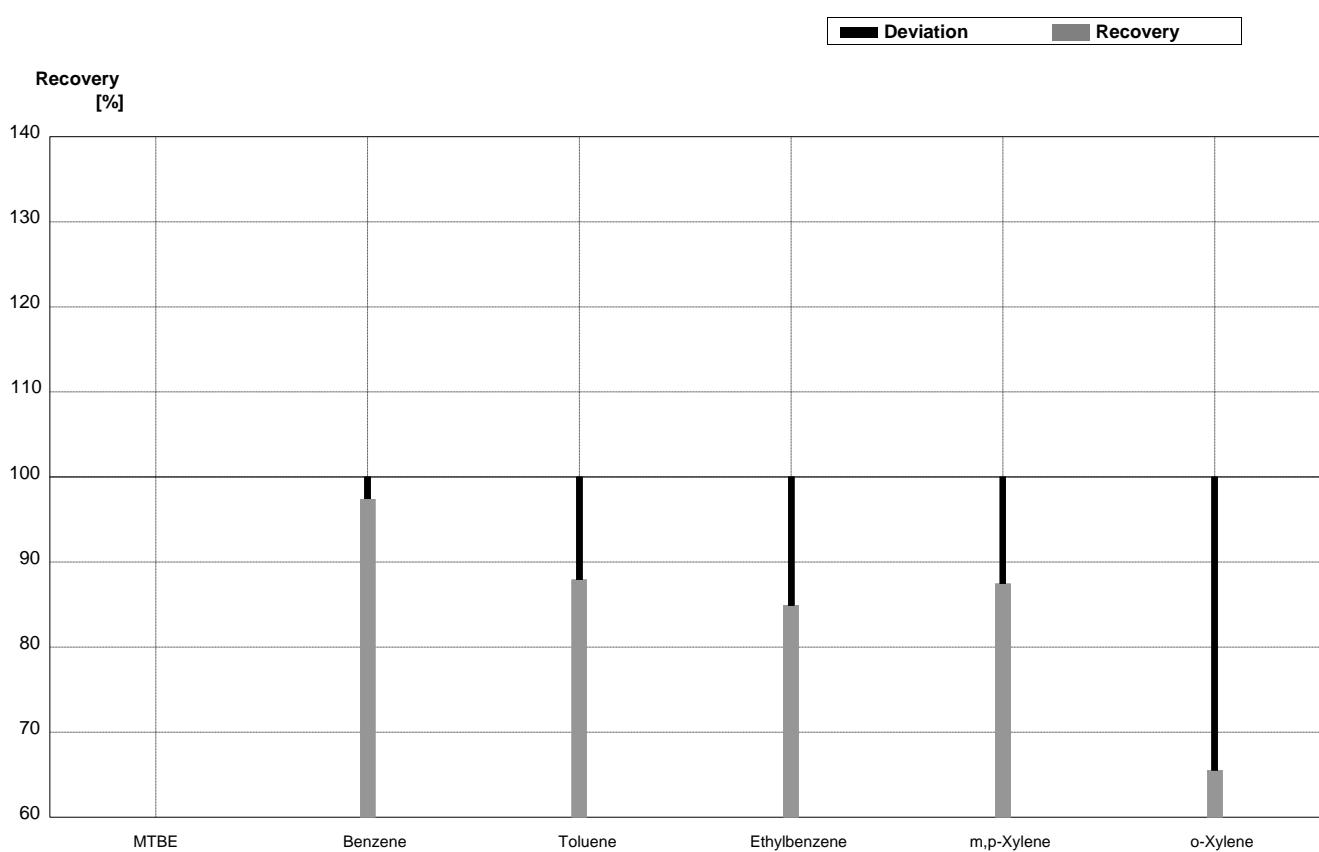
**Sample B-CB08A**  
**Laboratory AA**

Parameter	Target value	$\pm U$ ( $k=2$ )	Result	$\pm$	Unit	Recovery
MTBE	0,51	0,08			$\mu\text{g/L}$	
Benzene	4,34	0,23	4,02	0,99	$\mu\text{g/L}$	93%
Toluene	4,74	0,26	4,25	1,05	$\mu\text{g/L}$	90%
Ethylbenzene	<0,1		<0,5		$\mu\text{g/L}$	•
m,p-Xylene	1,52	0,17	1,44	0,43	$\mu\text{g/L}$	95%
o-Xylene	0,96	0,12	0,90	0,27	$\mu\text{g/L}$	94%



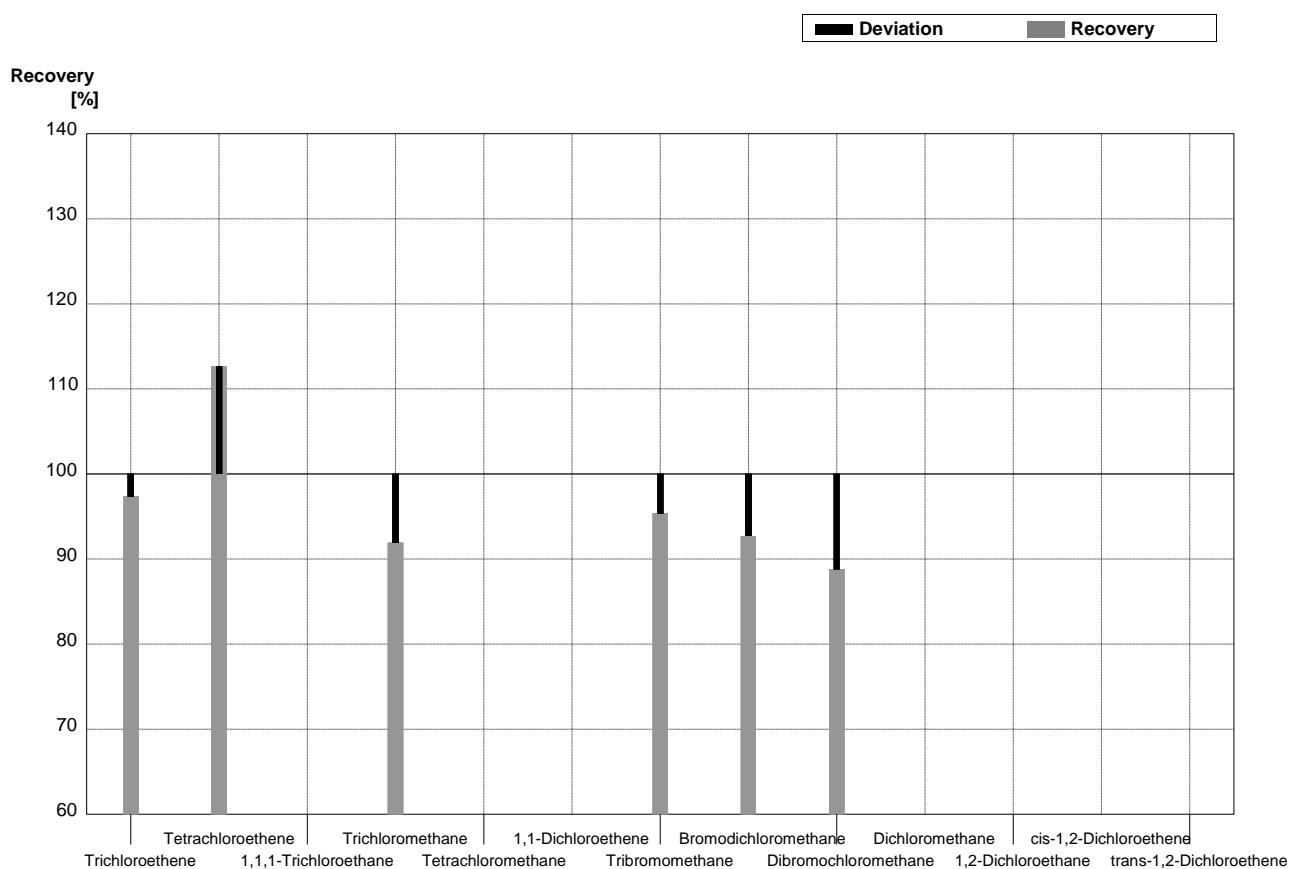
**Sample B-CB08B**  
**Laboratory AA**

Parameter	Target value	$\pm U$ ( $k=2$ )	Result	$\pm$	Unit	Recovery
MTBE	2,28	0,14			$\mu\text{g/L}$	
Benzene	1,16	0,08	1,13	0,28	$\mu\text{g/L}$	97%
Toluene	2,40	0,15	2,11	0,52	$\mu\text{g/L}$	88%
Ethylbenzene	2,12	0,15	1,80	0,45	$\mu\text{g/L}$	85%
m,p-Xylene	5,10	0,30	4,46	1,33	$\mu\text{g/L}$	87%
o-Xylene	5,51	0,30	3,61	1,08	$\mu\text{g/L}$	66%



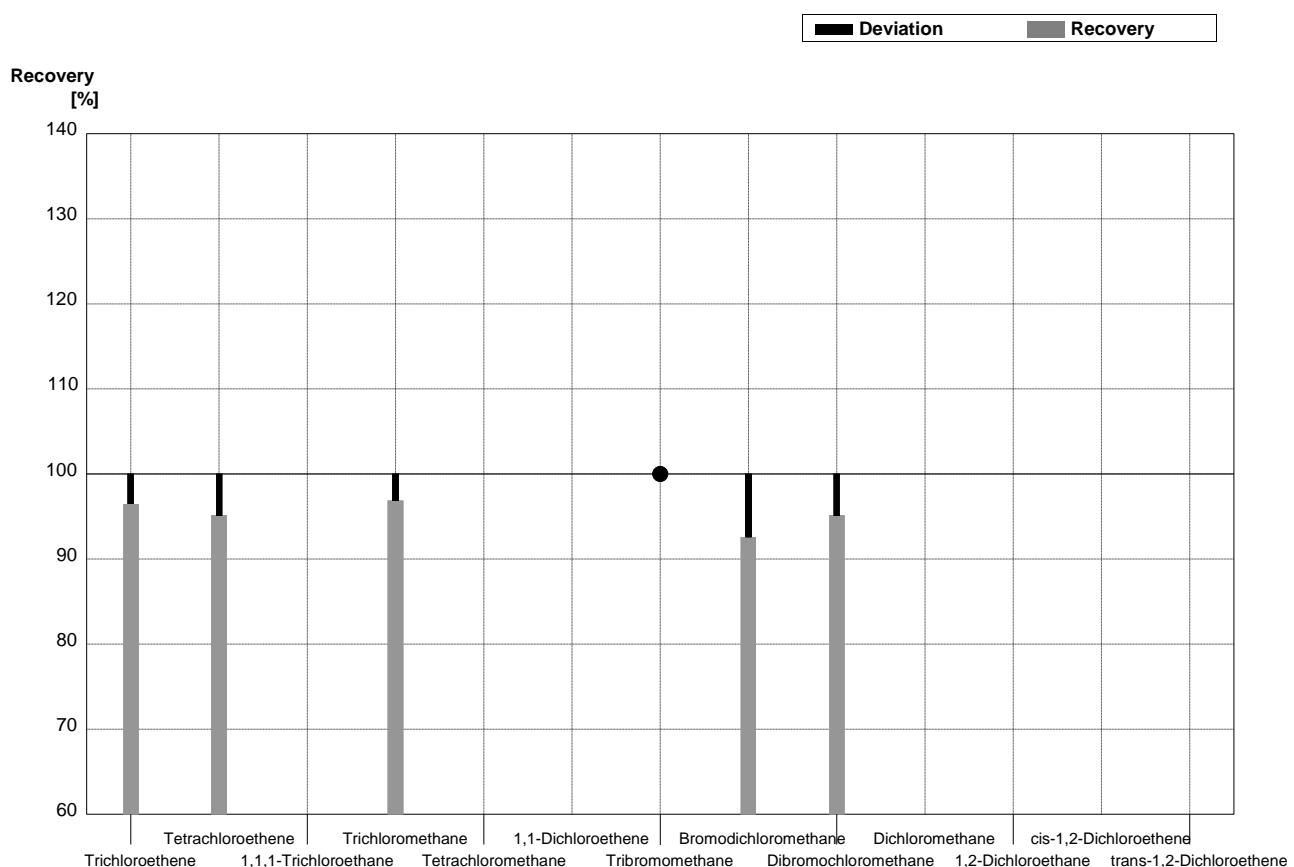
**Sample C-CB08A**  
**Laboratory AA**

Parameter	Target value	± U (k=2)	Result	±	Unit	Recovery
Trichloroethene	1,13	0,07	1,10	0,28	µg/l	97%
Tetrachloroethene	0,412	0,035	0,464	0,13	µg/l	113%
1,1,1-Trichloroethane	1,24	0,07			µg/l	
Trichloromethane	1,36	0,07	1,25	0,34	µg/l	92%
Tetrachloromethane	1,57	0,09			µg/l	
1,1-Dichloroethene	1,96	0,11			µg/l	
Tribromomethane	1,51	0,11	1,44	0,58	µg/l	95%
Bromodichloromethane	0,96	0,06	0,89	0,36	µg/l	93%
Dibromochloromethane	1,25	0,08	1,11	0,44	µg/l	89%
Dichloromethane	0,92	0,09			µg/l	
1,2-Dichloroethane	2,11	0,11			µg/l	
cis-1,2-Dichloroethene	<0,1				µg/l	
trans-1,2-Dichloroethene	1,95	0,10			µg/l	



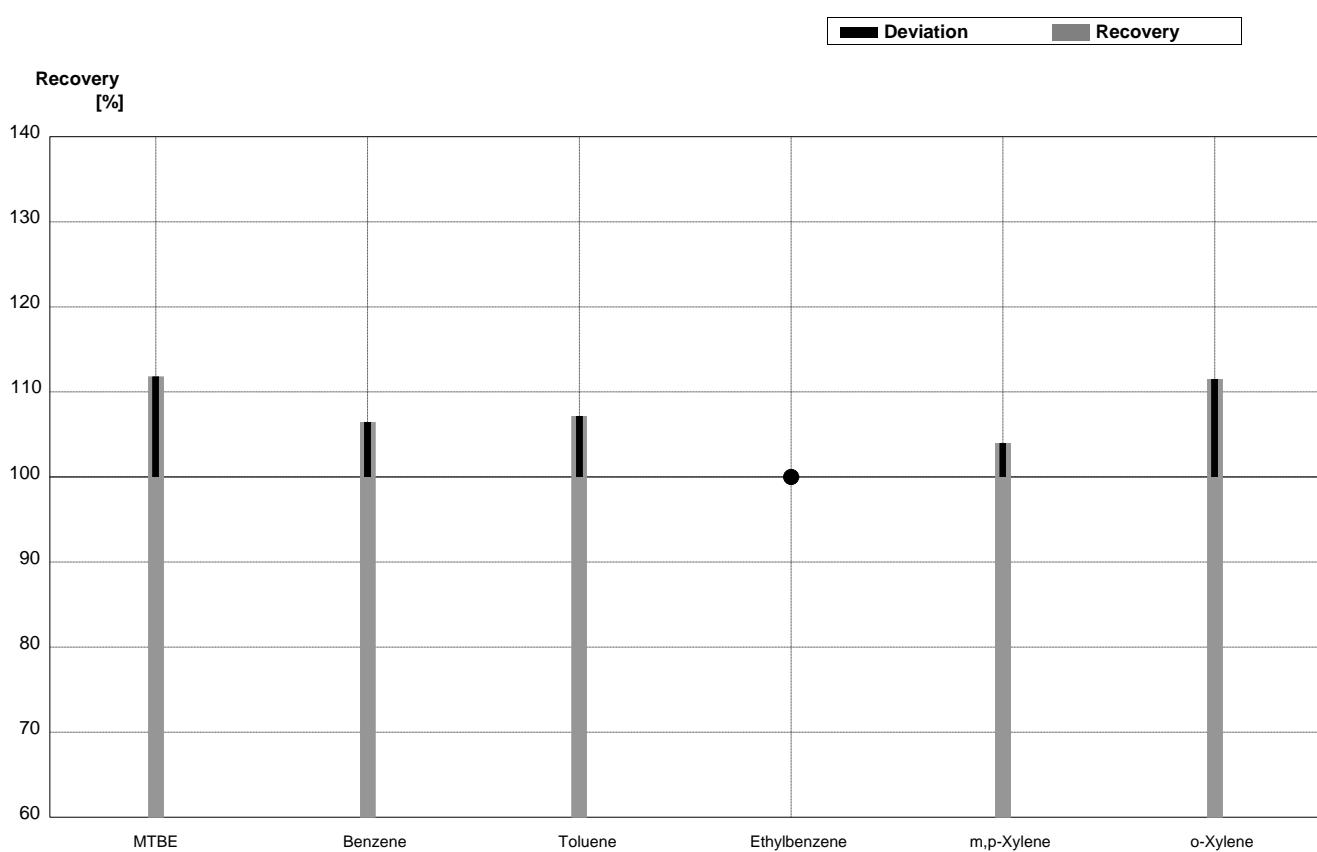
**Sample C-CB08B**  
**Laboratory AA**

Parameter	Target value	± U (k=2)	Result	±	Unit	Recovery
Trichloroethene	1,70	0,09	1,64	0,41	µg/l	96%
Tetrachloroethene	1,23	0,07	1,17	0,34	µg/l	95%
1,1,1-Trichloroethane	<0,1				µg/l	
Trichloromethane	2,22	0,12	2,15	0,58	µg/l	97%
Tetrachloromethane	0,65	0,05			µg/l	
1,1-Dichloroethene	<0,2				µg/l	
Tribromomethane	<0,1		<0,5		µg/l	•
Bromodichloromethane	1,89	0,10	1,75	0,7	µg/l	93%
Dibromochloromethane	1,84	0,10	1,75	0,7	µg/l	95%
Dichloromethane	2,18	0,13			µg/l	
1,2-Dichloroethane	0,95	0,05			µg/l	
cis-1,2-Dichloroethene	1,69	0,09			µg/l	
trans-1,2-Dichloroethene	0,51	0,04			µg/l	



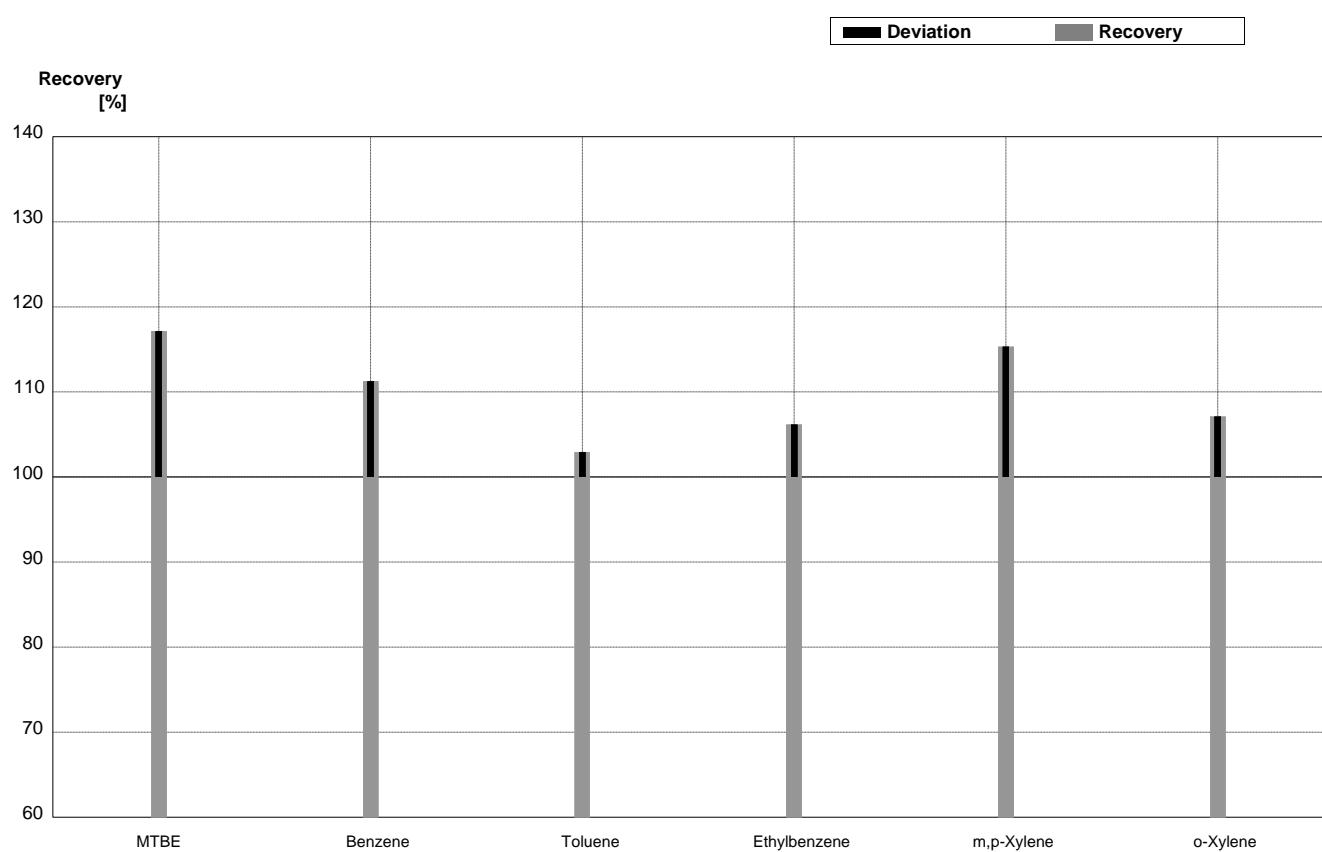
**Sample B-CB08A**  
**Laboratory AB**

Parameter	Target value	$\pm U$ ( $k=2$ )	Result	$\pm$	Unit	Recovery
MTBE	0,51	0,08	0,57	0,15	$\mu\text{g/L}$	112%
Benzene	4,34	0,23	4,62	1,20	$\mu\text{g/L}$	106%
Toluene	4,74	0,26	5,08	1,32	$\mu\text{g/L}$	107%
Ethylbenzene	<0,1		<0,1	0,03	$\mu\text{g/L}$	•
m,p-Xylene	1,52	0,17	1,58	0,41	$\mu\text{g/L}$	104%
o-Xylene	0,96	0,12	1,07	0,28	$\mu\text{g/L}$	111%



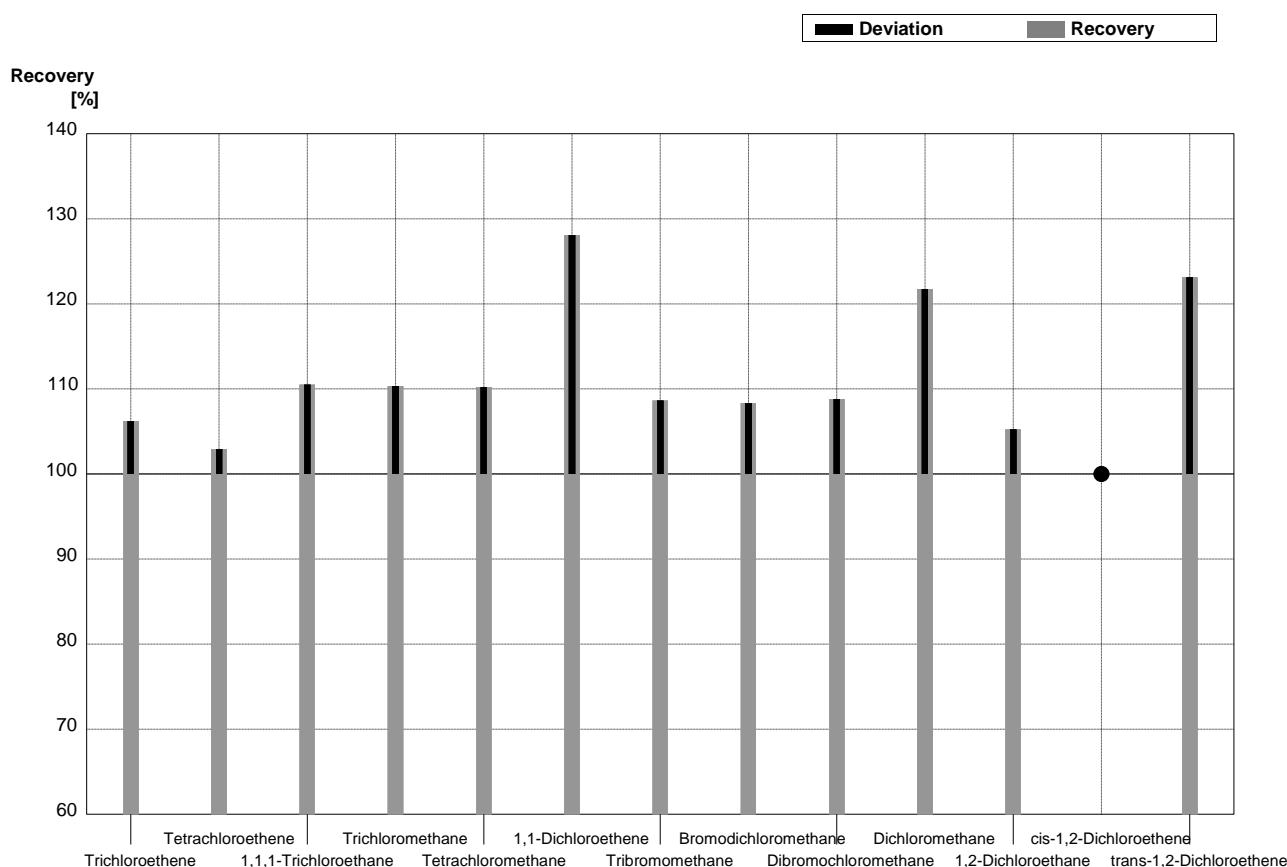
**Sample B-CB08B****Laboratory AB**

Parameter	Target value	$\pm U$ ( $k=2$ )	Result	$\pm$	Unit	Recovery
MTBE	2,28	0,14	2,67	0,69	$\mu\text{g/L}$	117%
Benzene	1,16	0,08	1,29	0,34	$\mu\text{g/L}$	111%
Toluene	2,40	0,15	2,47	0,64	$\mu\text{g/L}$	103%
Ethylbenzene	2,12	0,15	2,25	0,58	$\mu\text{g/L}$	106%
m,p-Xylene	5,10	0,30	5,88	1,53	$\mu\text{g/L}$	115%
o-Xylene	5,51	0,30	5,90	1,54	$\mu\text{g/L}$	107%



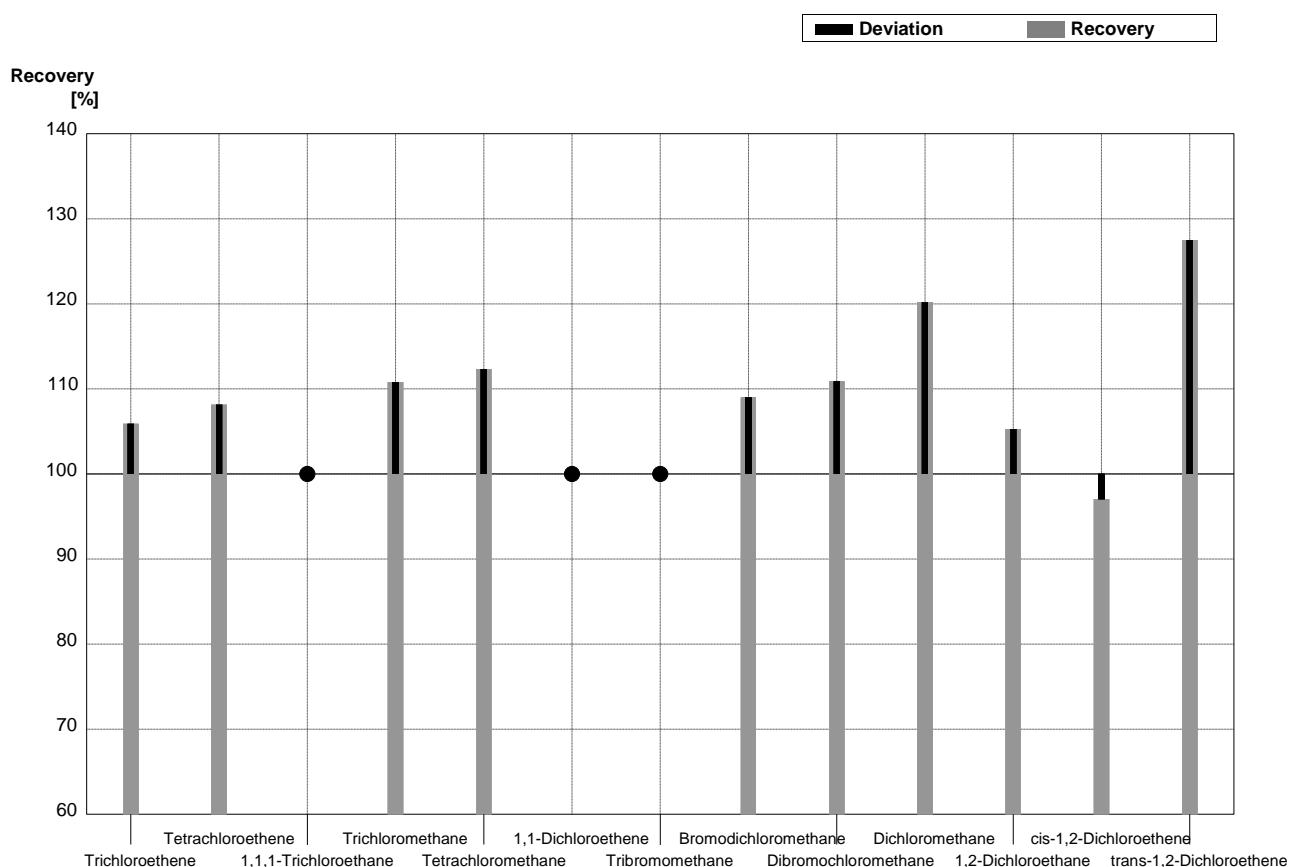
**Sample C-CB08A**  
**Laboratory AB**

Parameter	Target value	$\pm U$ ( $k=2$ )	Result	$\pm$	Unit	Recovery
Trichloroethene	1,13	0,07	1,20	0,31	$\mu\text{g/l}$	106%
Tetrachloroethene	0,412	0,035	0,424	0,11	$\mu\text{g/l}$	103%
1,1,1-Trichloroethane	1,24	0,07	1,37	0,36	$\mu\text{g/l}$	110%
Trichloromethane	1,36	0,07	1,50	0,39	$\mu\text{g/l}$	110%
Tetrachloromethane	1,57	0,09	1,73	0,45	$\mu\text{g/l}$	110%
1,1-Dichloroethene	1,96	0,11	2,51	0,65	$\mu\text{g/l}$	128%
Tribromomethane	1,51	0,11	1,64	0,43	$\mu\text{g/l}$	109%
Bromodichloromethane	0,96	0,06	1,04	0,27	$\mu\text{g/l}$	108%
Dibromochloromethane	1,25	0,08	1,36	0,35	$\mu\text{g/l}$	109%
Dichloromethane	0,92	0,09	1,12	0,29	$\mu\text{g/l}$	122%
1,2-Dichloroethane	2,11	0,11	2,22	0,58	$\mu\text{g/l}$	105%
cis-1,2-Dichloroethene	<0,1		<0,1	0,03	$\mu\text{g/l}$	•
trans-1,2-Dichloroethene	1,95	0,10	2,40	0,62	$\mu\text{g/l}$	123%



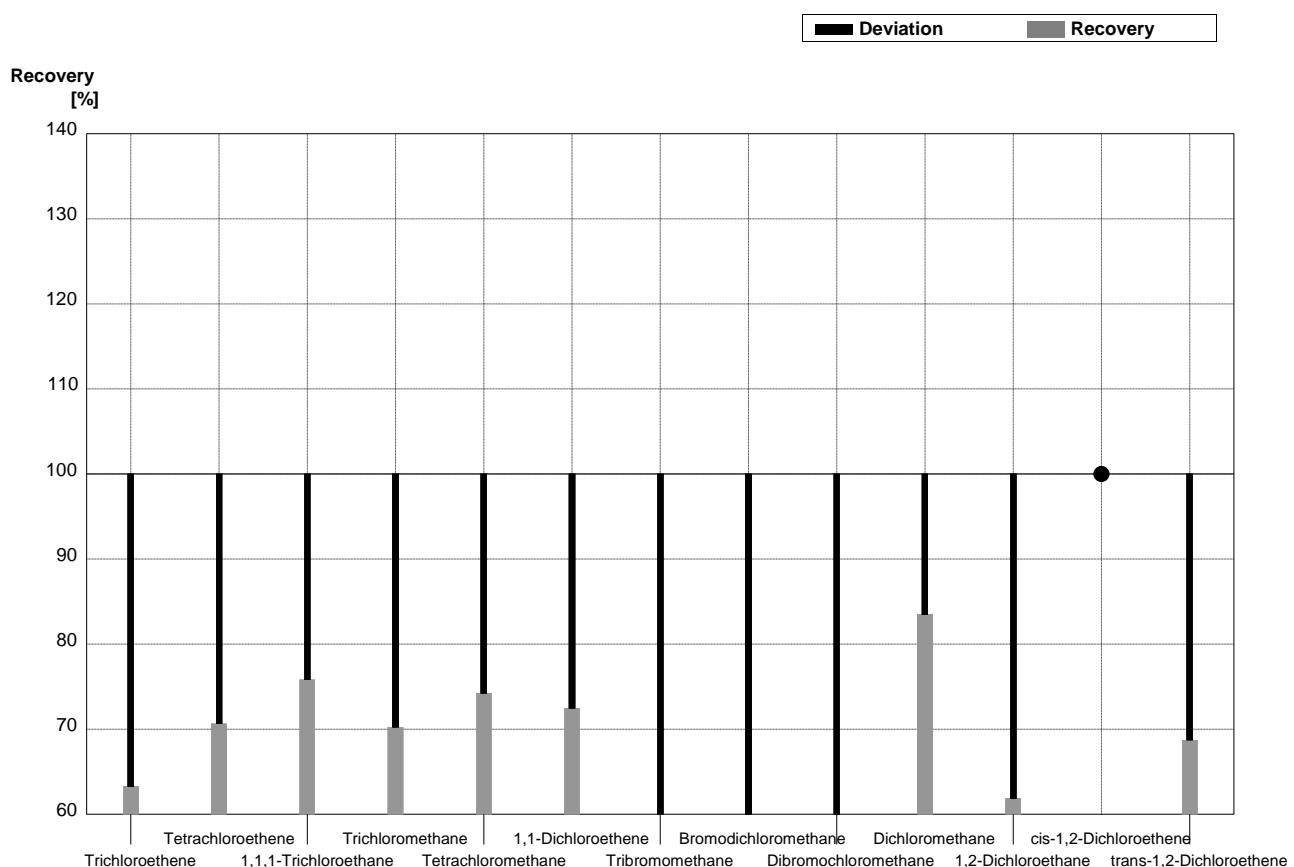
**Sample C-CB08B**  
**Laboratory AB**

Parameter	Target value	$\pm U$ ( $k=2$ )	Result	$\pm$	Unit	Recovery
Trichloroethene	1,70	0,09	1,80	0,47	$\mu\text{g/l}$	106%
Tetrachloroethene	1,23	0,07	1,33	0,35	$\mu\text{g/l}$	108%
1,1,1-Trichloroethane	<0,1		<0,1	0,03	$\mu\text{g/l}$	•
Trichloromethane	2,22	0,12	2,46	0,64	$\mu\text{g/l}$	111%
Tetrachloromethane	0,65	0,05	0,73	0,19	$\mu\text{g/l}$	112%
1,1-Dichloroethene	<0,2		<0,1	0,03	$\mu\text{g/l}$	•
Tribromomethane	<0,1		<0,1	0,03	$\mu\text{g/l}$	•
Bromodichloromethane	1,89	0,10	2,06	0,54	$\mu\text{g/l}$	109%
Dibromochloromethane	1,84	0,10	2,04	0,53	$\mu\text{g/l}$	111%
Dichloromethane	2,18	0,13	2,62	0,68	$\mu\text{g/l}$	120%
1,2-Dichloroethane	0,95	0,05	1,00	0,26	$\mu\text{g/l}$	105%
cis-1,2-Dichloroethene	1,69	0,09	1,64	0,43	$\mu\text{g/l}$	97%
trans-1,2-Dichloroethene	0,51	0,04	0,65	0,17	$\mu\text{g/l}$	127%



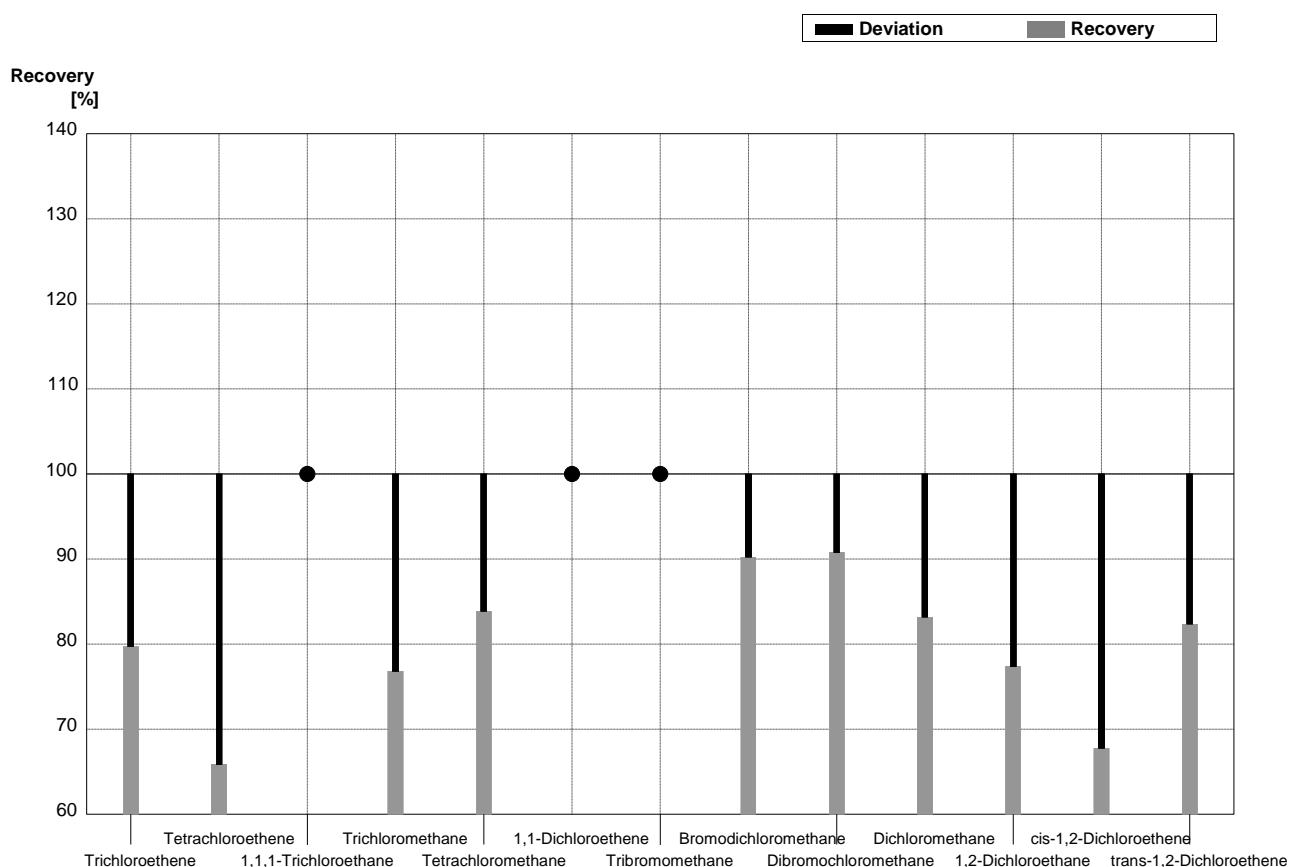
**Sample C-CB08A**  
**Laboratory AC**

Parameter	Target value	$\pm U$ ( $k=2$ )	Result	$\pm$	Unit	Recovery
Trichloroethene	1,13	0,07	0,715	0,236	$\mu\text{g/l}$	63%
Tetrachloroethene	0,412	0,035	0,291	0,096	$\mu\text{g/l}$	71%
1,1,1-Trichloroethane	1,24	0,07	0,940	0,207	$\mu\text{g/l}$	76%
Trichloromethane	1,36	0,07	0,955	0,258	$\mu\text{g/l}$	70%
Tetrachloromethane	1,57	0,09	1,165	0,221	$\mu\text{g/l}$	74%
1,1-Dichloroethene	1,96	0,11	1,420	0,227	$\mu\text{g/l}$	72%
Tribromomethane	1,51	0,11	0,830	0,249	$\mu\text{g/l}$	55%
Bromodichloromethane	0,96	0,06	0,575	0,144	$\mu\text{g/l}$	60%
Dibromochloromethane	1,25	0,08	0,705	0,183	$\mu\text{g/l}$	56%
Dichloromethane	0,92	0,09	0,768	0,223	$\mu\text{g/l}$	83%
1,2-Dichloroethane	2,11	0,11	1,305	0,444	$\mu\text{g/l}$	62%
cis-1,2-Dichloroethene	<0,1		<0,05	0,012	$\mu\text{g/l}$	•
trans-1,2-Dichloroethene	1,95	0,10	1,340	0,348	$\mu\text{g/l}$	69%



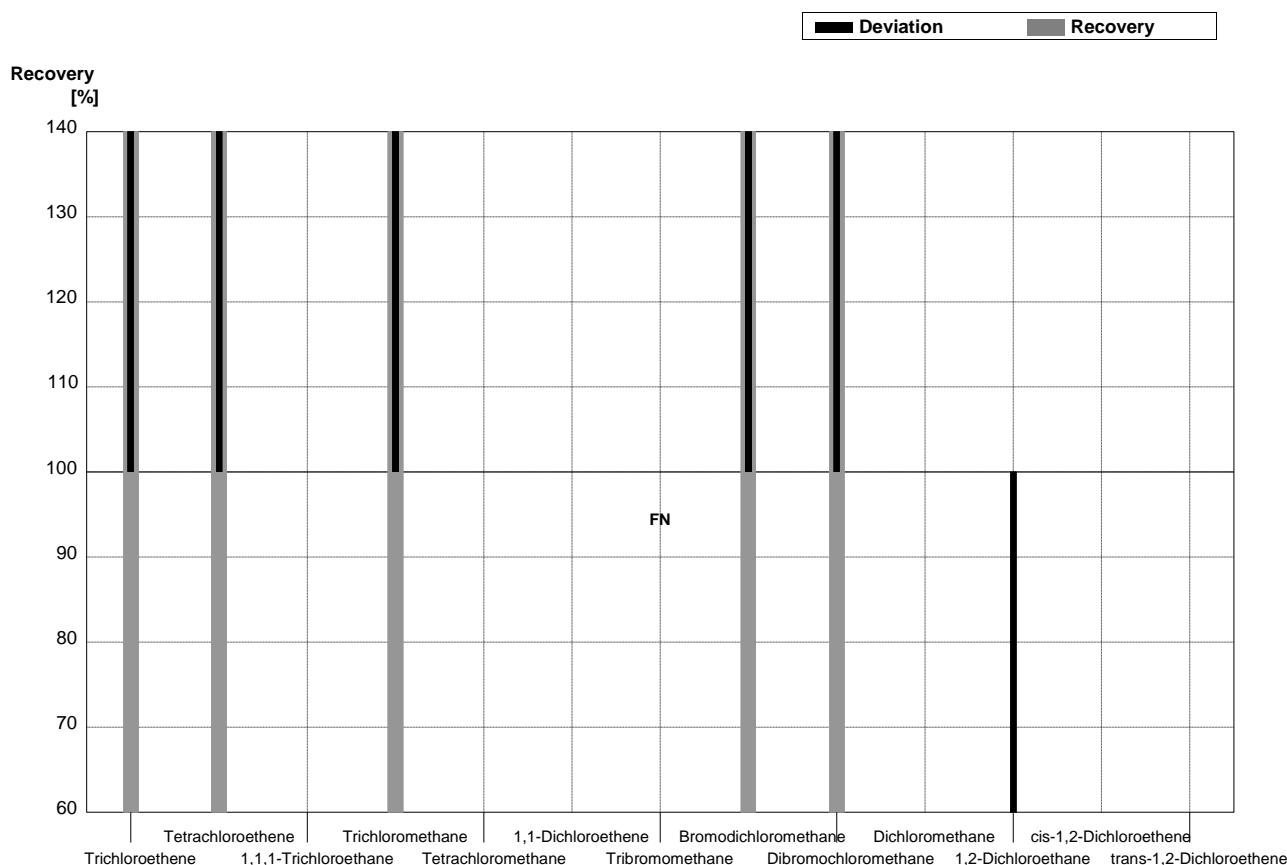
**Sample C-CB08B**  
**Laboratory AC**

Parameter	Target value	$\pm U$ ( $k=2$ )	Result	$\pm$	Unit	Recovery
Trichloroethene	1,70	0,09	1,355	0,447	$\mu\text{g/l}$	80%
Tetrachloroethene	1,23	0,07	0,810	0,267	$\mu\text{g/l}$	66%
1,1,1-Trichloroethane	<0,1		<0,05	0,011	$\mu\text{g/l}$	•
Trichloromethane	2,22	0,12	1,705	0,460	$\mu\text{g/l}$	77%
Tetrachloromethane	0,65	0,05	0,545	0,104	$\mu\text{g/l}$	84%
1,1-Dichloroethene	<0,2		<0,08	0,013	$\mu\text{g/l}$	•
Tribromomethane	<0,1		<0,05	0,015	$\mu\text{g/l}$	•
Bromodichloromethane	1,89	0,10	1,705	0,426	$\mu\text{g/l}$	90%
Dibromochloromethane	1,84	0,10	1,670	0,434	$\mu\text{g/l}$	91%
Dichloromethane	2,18	0,13	1,813	0,526	$\mu\text{g/l}$	83%
1,2-Dichloroethane	0,95	0,05	0,735	0,250	$\mu\text{g/l}$	77%
cis-1,2-Dichloroethene	1,69	0,09	1,145	0,263	$\mu\text{g/l}$	68%
trans-1,2-Dichloroethene	0,51	0,04	0,420	0,109	$\mu\text{g/l}$	82%



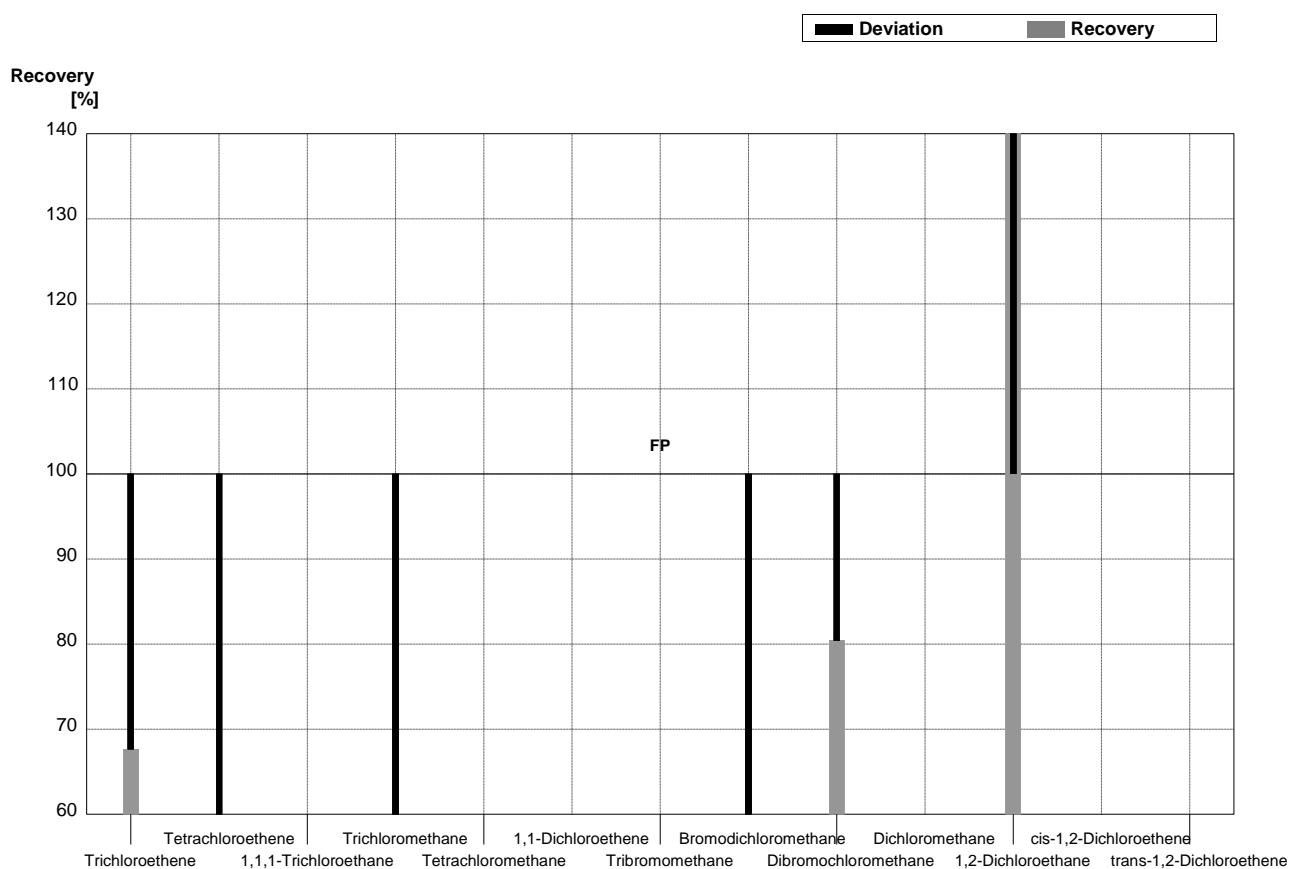
**Sample C-CB08A**  
**Laboratory AD**

Parameter	Target value	± U (k=2)	Result	±	Unit	Recovery
Trichloroethene	1,13	0,07	1,67	0,03	µg/l	148%
Tetrachloroethene	0,412	0,035	1,25	0,01	µg/l	303%
1,1,1-Trichloroethane	1,24	0,07			µg/l	
Trichloromethane	1,36	0,07	2,02	0,08	µg/l	149%
Tetrachloromethane	1,57	0,09			µg/l	
1,1-Dichloroethene	1,96	0,11			µg/l	
Tribromomethane	1,51	0,11	<0,2		µg/l	FN
Bromodichloromethane	0,96	0,06	1,76	0,07	µg/l	183%
Dibromochloromethane	1,25	0,08	1,96	0,07	µg/l	157%
Dichloromethane	0,92	0,09			µg/l	
1,2-Dichloroethane	2,11	0,11	0,94	0,01	µg/l	45%
cis-1,2-Dichloroethene	<0,1				µg/l	
trans-1,2-Dichloroethene	1,95	0,10			µg/l	



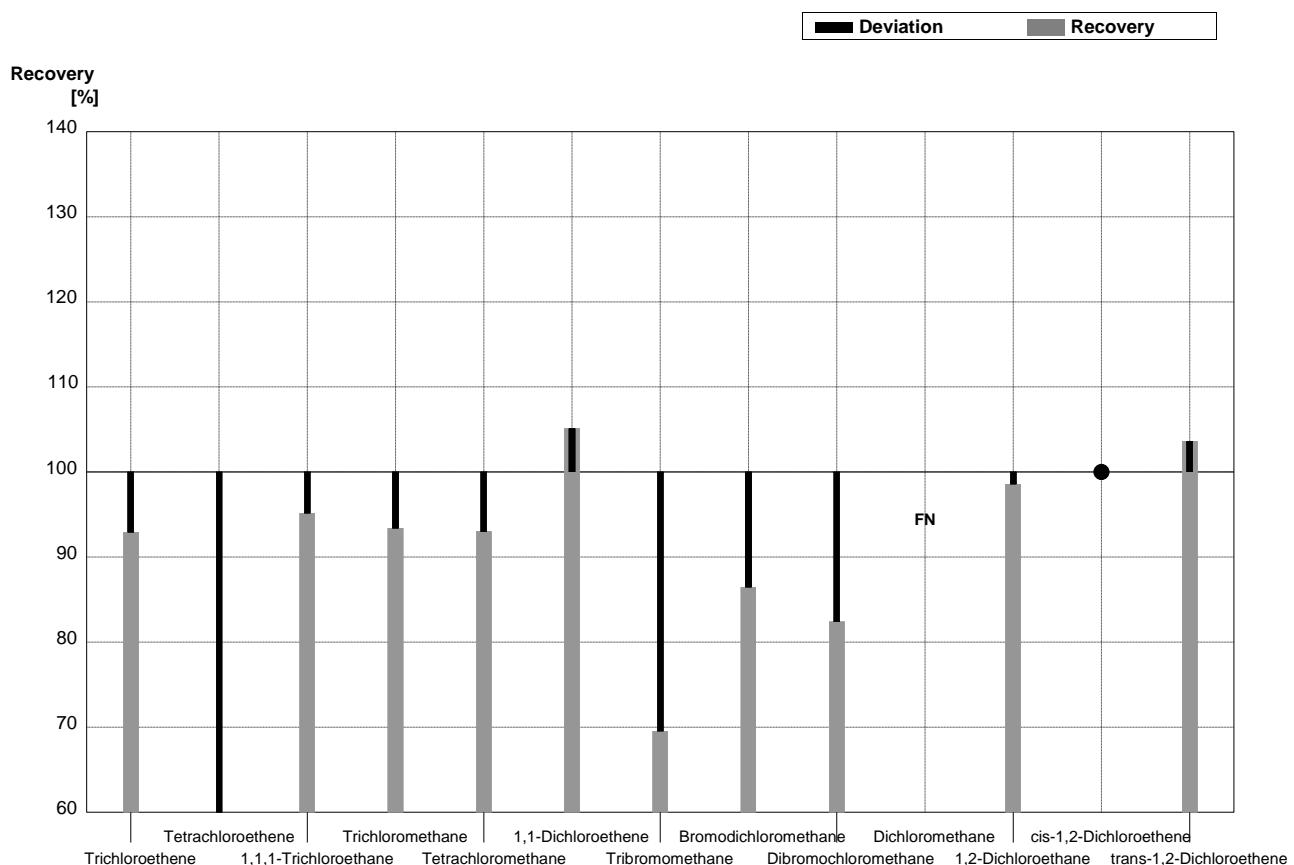
**Sample C-CB08B**  
**Laboratory AD**

Parameter	Target value	± U (k=2)	Result	±	Unit	Recovery
Trichloroethene	1,70	0,09	1,15	0,02	µg/l	68%
Tetrachloroethene	1,23	0,07	0,57	0,01	µg/l	46%
1,1,1-Trichloroethane	<0,1				µg/l	
Trichloromethane	2,22	0,12	1,02	0,04	µg/l	46%
Tetrachloromethane	0,65	0,05			µg/l	
1,1-Dichloroethene	<0,2				µg/l	
Tribromomethane	<0,1		1,76	0,06	µg/l	FP
Bromodichloromethane	1,89	0,10	0,91	0,03	µg/l	48%
Dibromochloromethane	1,84	0,10	1,48	0,06	µg/l	80%
Dichloromethane	2,18	0,13			µg/l	
1,2-Dichloroethane	0,95	0,05	2,13	0,02	µg/l	224%
cis-1,2-Dichloroethene	1,69	0,09			µg/l	
trans-1,2-Dichloroethene	0,51	0,04			µg/l	



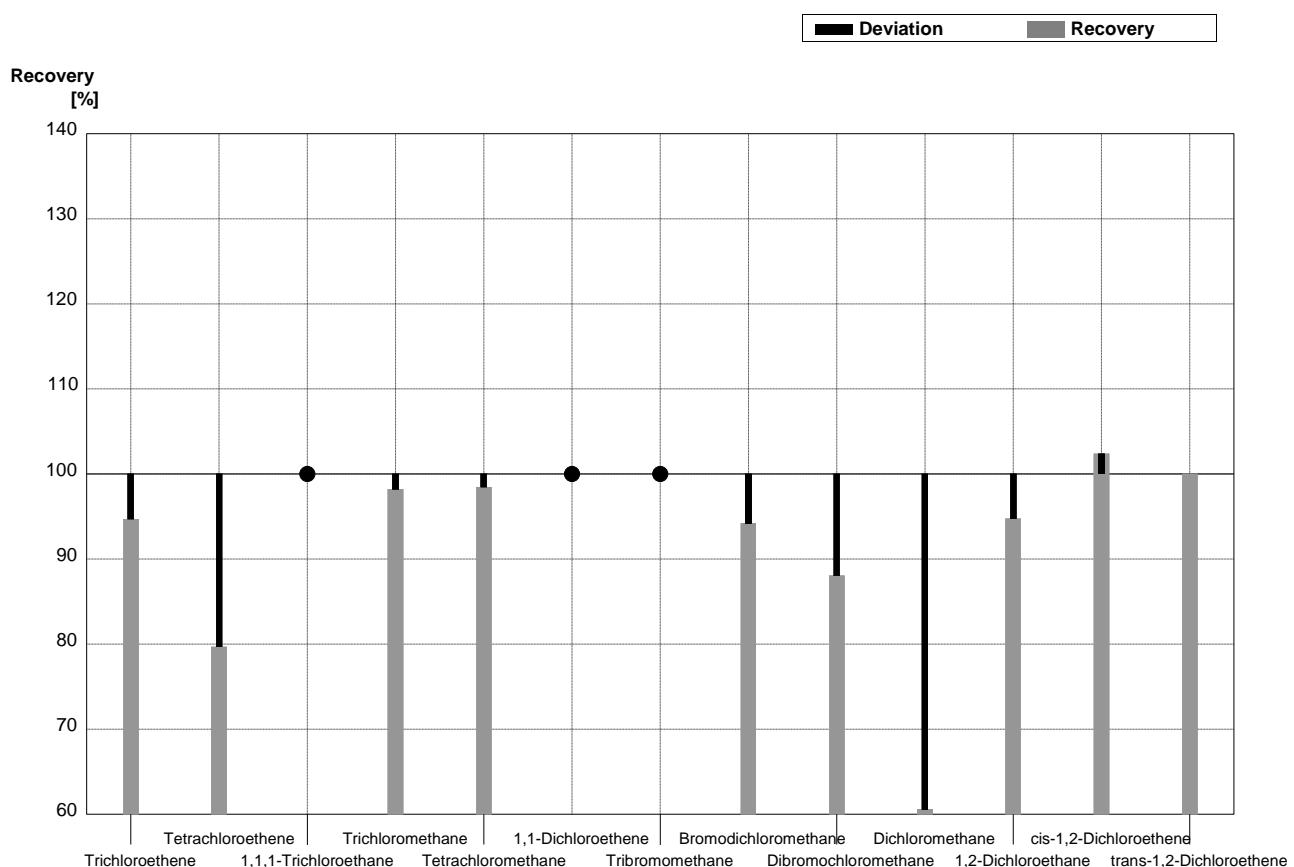
**Sample C-CB08A**  
**Laboratory AE**

Parameter	Target value	± U (k=2)	Result	±	Unit	Recovery
Trichloroethene	1,13	0,07	1,05	0,21	µg/l	93%
Tetrachloroethene	0,412	0,035	0,230	0,06	µg/l	56%
1,1,1-Trichloroethane	1,24	0,07	1,18	0,24	µg/l	95%
Trichloromethane	1,36	0,07	1,27	0,25	µg/l	93%
Tetrachloromethane	1,57	0,09	1,46	0,36	µg/l	93%
1,1-Dichloroethene	1,96	0,11	2,06	0,52	µg/l	105%
Tribromomethane	1,51	0,11	1,05	0,32	µg/l	70%
Bromodichloromethane	0,96	0,06	0,83	0,21	µg/l	86%
Dibromochloromethane	1,25	0,08	1,03	0,26	µg/l	82%
Dichloromethane	0,92	0,09	<0,1	0	µg/l	FN
1,2-Dichloroethane	2,11	0,11	2,08	0,52	µg/l	99%
cis-1,2-Dichloroethene	<0,1		<0,05	0	µg/l	•
trans-1,2-Dichloroethene	1,95	0,10	2,02	0,40	µg/l	104%



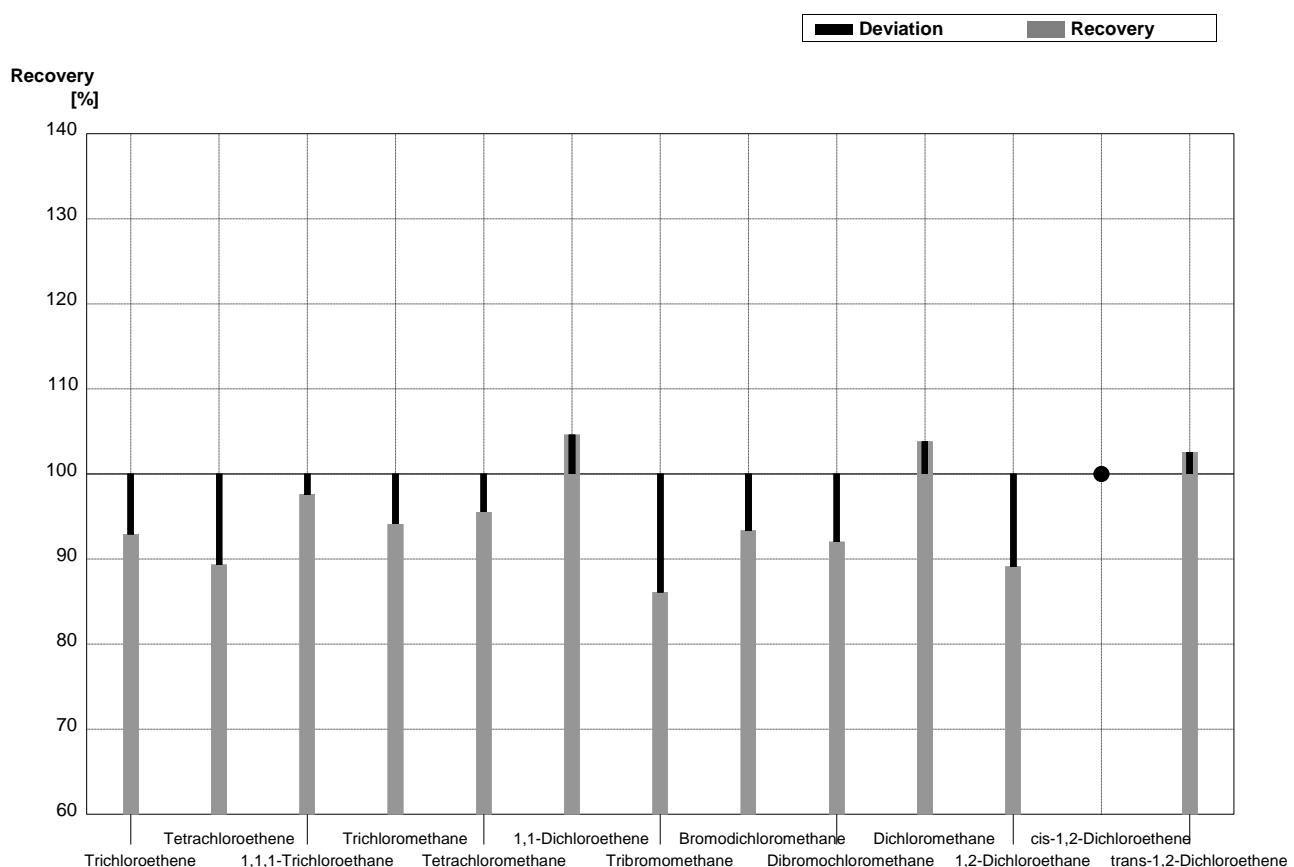
**Sample C-CB08B**  
**Laboratory AE**

Parameter	Target value	$\pm U$ ( $k=2$ )	Result	$\pm$	Unit	Recovery
Trichloroethene	1,70	0,09	1,61	0,32	$\mu\text{g/l}$	95%
Tetrachloroethene	1,23	0,07	0,98	0,24	$\mu\text{g/l}$	80%
1,1,1-Trichloroethane	<0,1		<0,05	0	$\mu\text{g/l}$	•
Trichloromethane	2,22	0,12	2,18	0,44	$\mu\text{g/l}$	98%
Tetrachloromethane	0,65	0,05	0,64	0,16	$\mu\text{g/l}$	98%
1,1-Dichloroethene	<0,2		<0,05	0	$\mu\text{g/l}$	•
Tribromomethane	<0,1		<0,2	0	$\mu\text{g/l}$	•
Bromodichloromethane	1,89	0,10	1,78	0,45	$\mu\text{g/l}$	94%
Dibromochloromethane	1,84	0,10	1,62	0,41	$\mu\text{g/l}$	88%
Dichloromethane	2,18	0,13	1,32	0,26	$\mu\text{g/l}$	61%
1,2-Dichloroethane	0,95	0,05	0,90	0,23	$\mu\text{g/l}$	95%
cis-1,2-Dichloroethene	1,69	0,09	1,73	0,35	$\mu\text{g/l}$	102%
trans-1,2-Dichloroethene	0,51	0,04	0,51	0,10	$\mu\text{g/l}$	100%



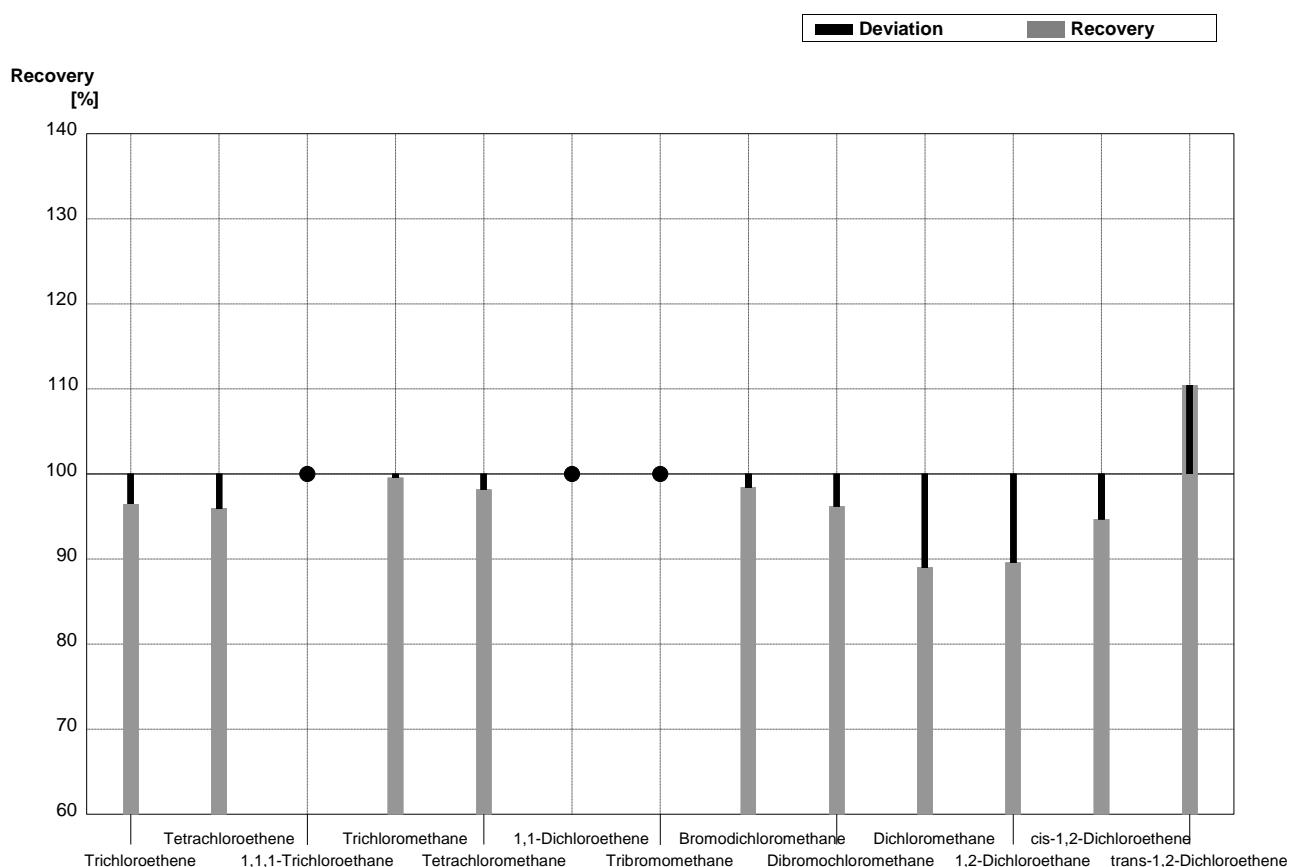
**Sample C-CB08A**  
**Laboratory AF**

Parameter	Target value	$\pm U$ ( $k=2$ )	Result	$\pm$	Unit	Recovery
Trichloroethene	1,13	0,07	1,05	0,08	$\mu\text{g/l}$	93%
Tetrachloroethene	0,412	0,035	0,368	0,031	$\mu\text{g/l}$	89%
1,1,1-Trichloroethane	1,24	0,07	1,21	0,23	$\mu\text{g/l}$	98%
Trichloromethane	1,36	0,07	1,28	0,26	$\mu\text{g/l}$	94%
Tetrachloromethane	1,57	0,09	1,50	0,38	$\mu\text{g/l}$	96%
1,1-Dichloroethene	1,96	0,11	2,05	0,40	$\mu\text{g/l}$	105%
Tribromomethane	1,51	0,11	1,30	0,33	$\mu\text{g/l}$	86%
Bromodichloromethane	0,96	0,06	0,896	0,224	$\mu\text{g/l}$	93%
Dibromochloromethane	1,25	0,08	1,15	0,29	$\mu\text{g/l}$	92%
Dichloromethane	0,92	0,09	0,955	0,239	$\mu\text{g/l}$	104%
1,2-Dichloroethane	2,11	0,11	1,88	0,45	$\mu\text{g/l}$	89%
cis-1,2-Dichloroethene	<0,1		<0,1		$\mu\text{g/l}$	•
trans-1,2-Dichloroethene	1,95	0,10	2,00	0,40	$\mu\text{g/l}$	103%



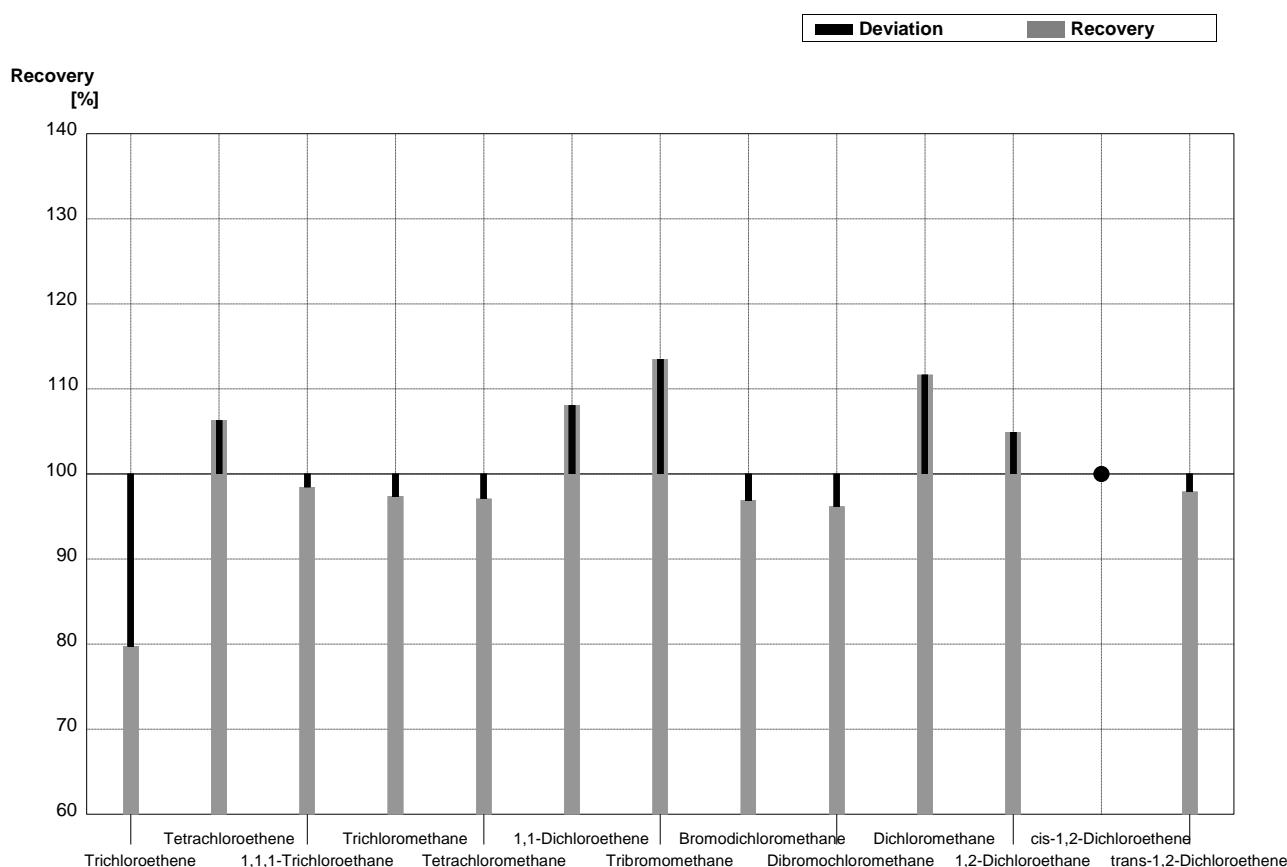
**Sample C-CB08B**  
**Laboratory AF**

Parameter	Target value	$\pm U$ ( $k=2$ )	Result	$\pm$	Unit	Recovery
Trichloroethene	1,70	0,09	1,64	0,12	$\mu\text{g/l}$	96%
Tetrachloroethene	1,23	0,07	1,18	0,10	$\mu\text{g/l}$	96%
1,1,1-Trichloroethane	<0,1		<0,1		$\mu\text{g/l}$	•
Trichloromethane	2,22	0,12	2,21	0,44	$\mu\text{g/l}$	100%
Tetrachloromethane	0,65	0,05	0,638	0,16	$\mu\text{g/l}$	98%
1,1-Dichloroethene	<0,2		<0,1		$\mu\text{g/l}$	•
Tribromomethane	<0,1		<0,1		$\mu\text{g/l}$	•
Bromodichloromethane	1,89	0,10	1,86	0,47	$\mu\text{g/l}$	98%
Dibromochloromethane	1,84	0,10	1,77	0,44	$\mu\text{g/l}$	96%
Dichloromethane	2,18	0,13	1,94	0,49	$\mu\text{g/l}$	89%
1,2-Dichloroethane	0,95	0,05	0,851	0,205	$\mu\text{g/l}$	90%
cis-1,2-Dichloroethene	1,69	0,09	1,60	0,30	$\mu\text{g/l}$	95%
trans-1,2-Dichloroethene	0,51	0,04	0,563	0,113	$\mu\text{g/l}$	110%



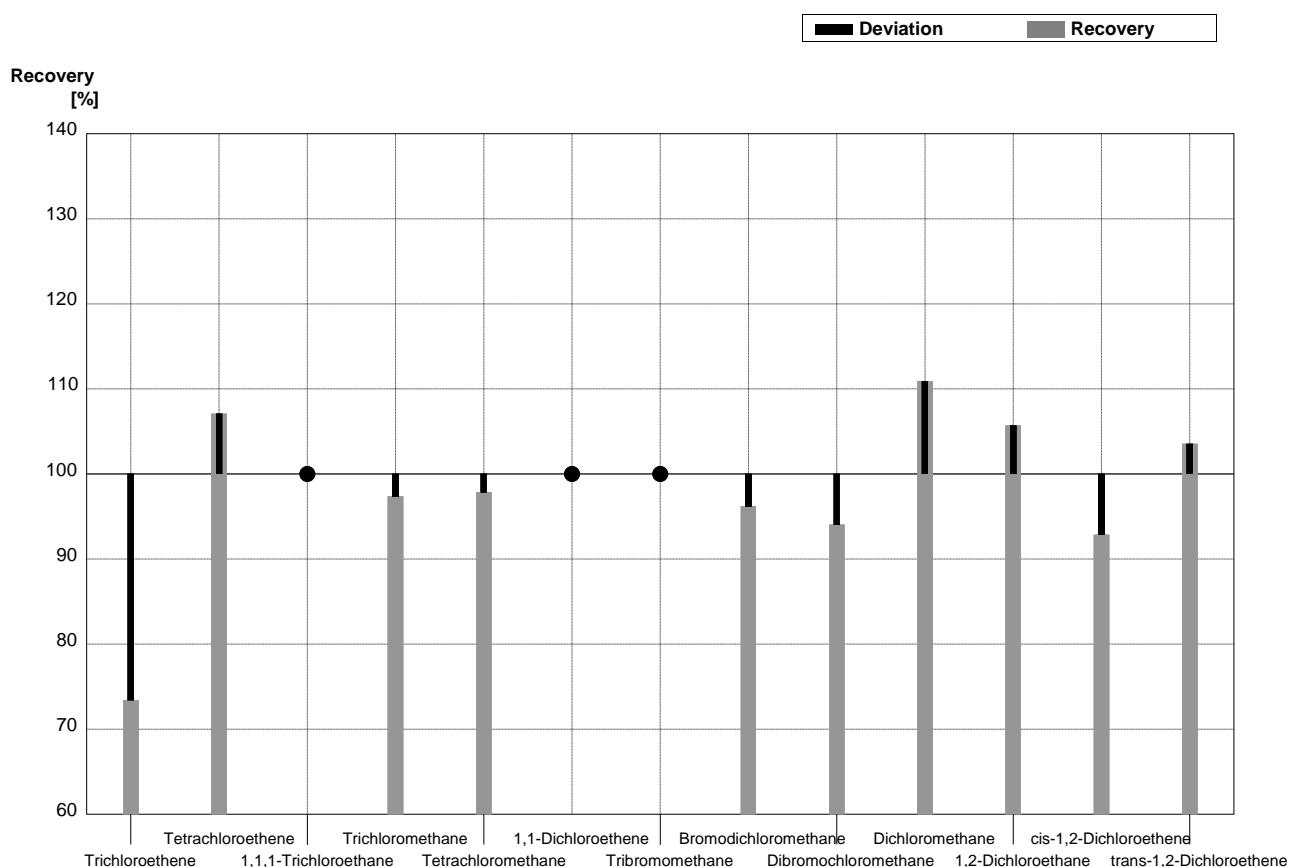
**Sample C-CB08A**  
**Laboratory AG**

Parameter	Target value	$\pm U$ ( $k=2$ )	Result	$\pm$	Unit	Recovery
Trichloroethene	1,13	0,07	0,901	0,1001	$\mu\text{g/l}$	80%
Tetrachloroethene	0,412	0,035	0,438	0,0560	$\mu\text{g/l}$	106%
1,1,1-Trichloroethane	1,24	0,07	1,221	0,1429	$\mu\text{g/l}$	98%
Trichloromethane	1,36	0,07	1,324	0,1416	$\mu\text{g/l}$	97%
Tetrachloromethane	1,57	0,09	1,524	0,1960	$\mu\text{g/l}$	97%
1,1-Dichloroethene	1,96	0,11	2,118	0,3120	$\mu\text{g/l}$	108%
Tribromomethane	1,51	0,11	1,714	0,1758	$\mu\text{g/l}$	114%
Bromodichloromethane	0,96	0,06	0,930	0,1052	$\mu\text{g/l}$	97%
Dibromochloromethane	1,25	0,08	1,202	0,1274	$\mu\text{g/l}$	96%
Dichloromethane	0,92	0,09	1,027	0,1246	$\mu\text{g/l}$	112%
1,2-Dichloroethane	2,11	0,11	2,214	0,2486	$\mu\text{g/l}$	105%
cis-1,2-Dichloroethene	<0,1		<0,05		$\mu\text{g/l}$	•
trans-1,2-Dichloroethene	1,95	0,10	1,909	0,2046	$\mu\text{g/l}$	98%



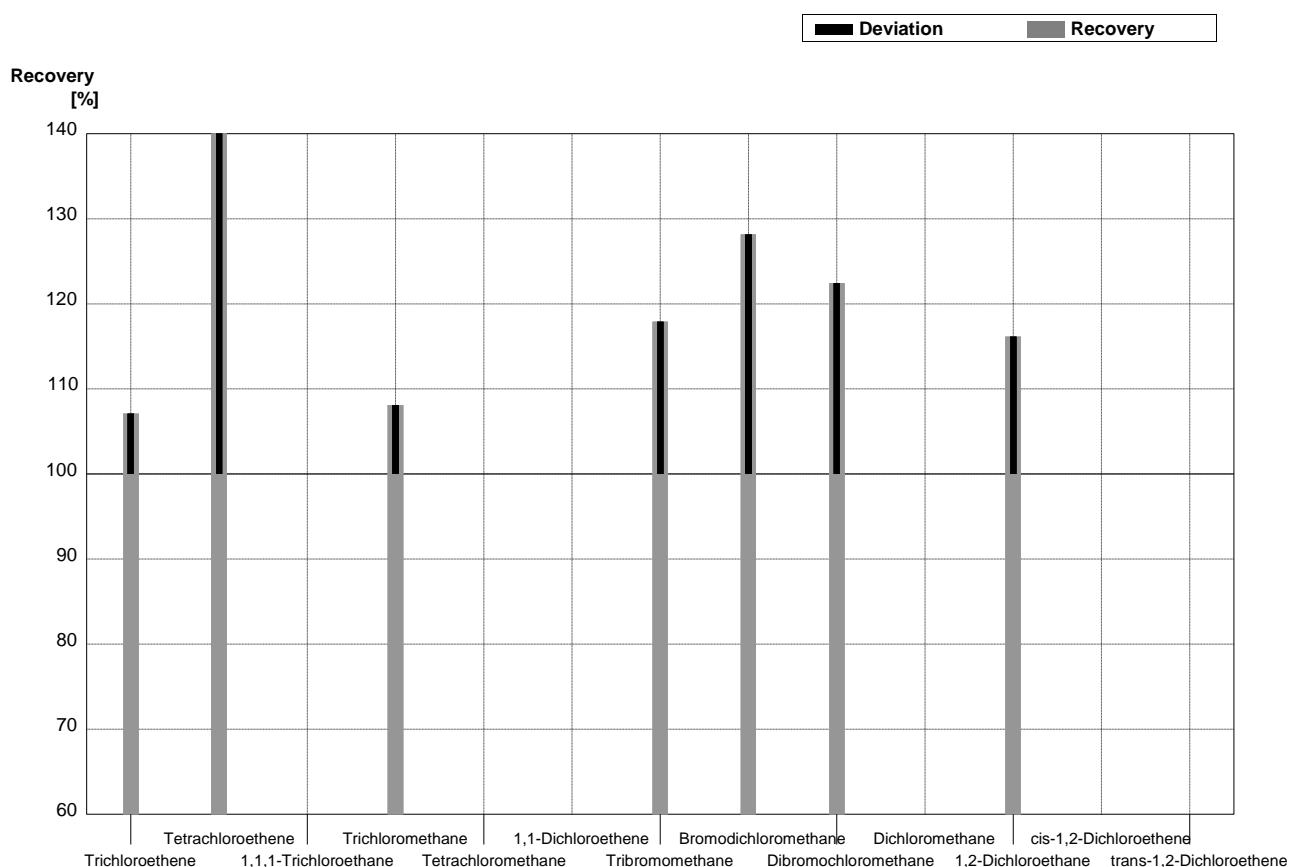
**Sample C-CB08B**  
**Laboratory AG**

Parameter	Target value	$\pm U$ ( $k=2$ )	Result	$\pm$	Unit	Recovery
Trichloroethene	1,70	0,09	1,248	0,1386	$\mu\text{g/l}$	73%
Tetrachloroethene	1,23	0,07	1,317	0,1685	$\mu\text{g/l}$	107%
1,1,1-Trichloroethane	<0,1		<0,05		$\mu\text{g/l}$	•
Trichloromethane	2,22	0,12	2,161	0,2312	$\mu\text{g/l}$	97%
Tetrachloromethane	0,65	0,05	0,636	0,0818	$\mu\text{g/l}$	98%
1,1-Dichloroethene	<0,2		<0,05		$\mu\text{g/l}$	•
Tribromomethane	<0,1		<0,05		$\mu\text{g/l}$	•
Bromodichloromethane	1,89	0,10	1,818	0,2057	$\mu\text{g/l}$	96%
Dibromochloromethane	1,84	0,10	1,730	0,1834	$\mu\text{g/l}$	94%
Dichloromethane	2,18	0,13	2,418	0,2933	$\mu\text{g/l}$	111%
1,2-Dichloroethane	0,95	0,05	1,004	0,1128	$\mu\text{g/l}$	106%
cis-1,2-Dichloroethene	1,69	0,09	1,569	0,1870	$\mu\text{g/l}$	93%
trans-1,2-Dichloroethene	0,51	0,04	0,528	0,0566	$\mu\text{g/l}$	104%



**Sample C-CB08A**  
**Laboratory AH**

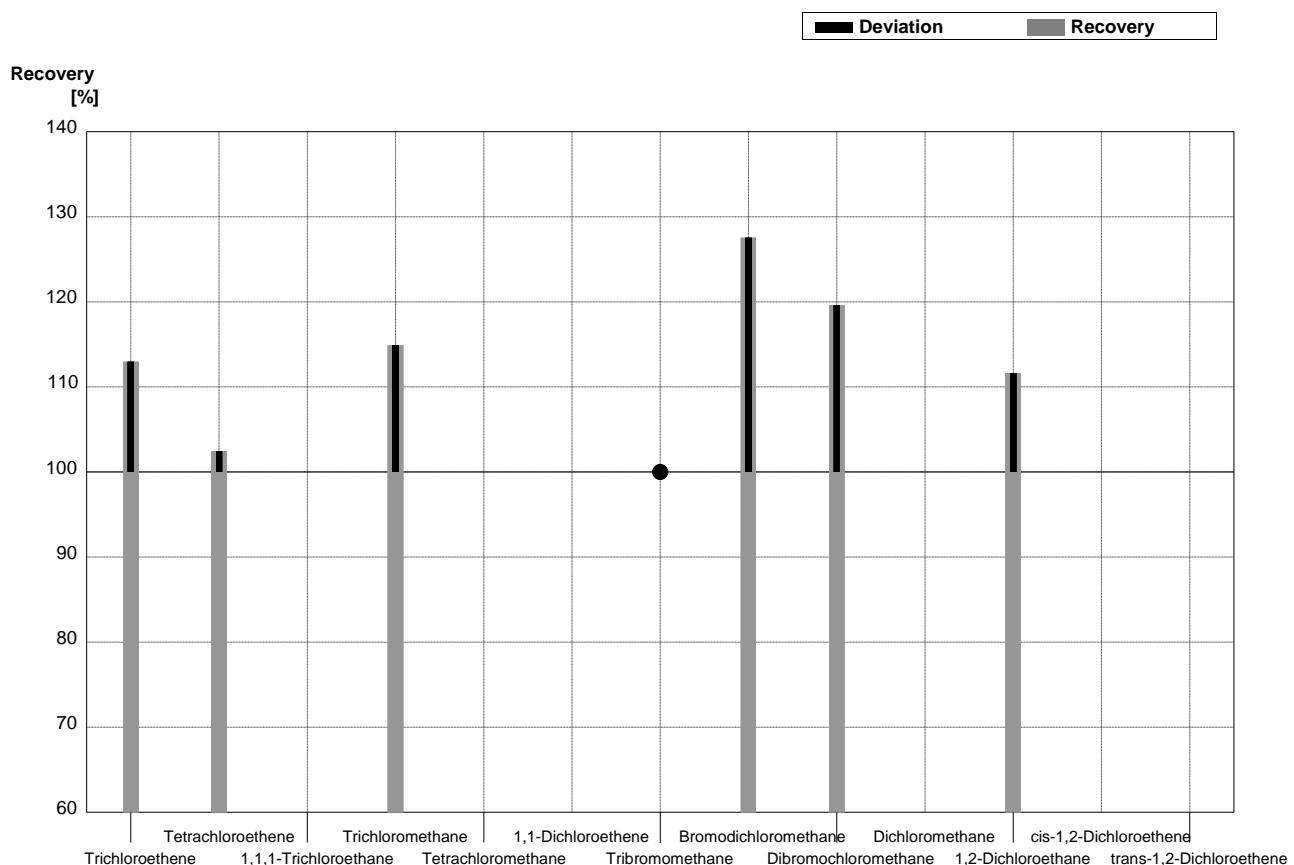
Parameter	Target value	± U (k=2)	Result	±	Unit	Recovery
Trichloroethene	1,13	0,07	1,21	0,18	µg/l	107%
Tetrachloroethene	0,412	0,035	0,65	0,10	µg/l	158%
1,1,1-Trichloroethane	1,24	0,07			µg/l	
Trichloromethane	1,36	0,07	1,47	0,22	µg/l	108%
Tetrachloromethane	1,57	0,09			µg/l	
1,1-Dichloroethene	1,96	0,11			µg/l	
Tribromomethane	1,51	0,11	1,78	0,18	µg/l	118%
Bromodichloromethane	0,96	0,06	1,23	0,18	µg/l	128%
Dibromochloromethane	1,25	0,08	1,53	0,23	µg/l	122%
Dichloromethane	0,92	0,09			µg/l	
1,2-Dichloroethane	2,11	0,11	2,45	0,25	µg/l	116%
cis-1,2-Dichloroethene	<0,1				µg/l	
trans-1,2-Dichloroethene	1,95	0,10			µg/l	



**Sample C-CB08B**

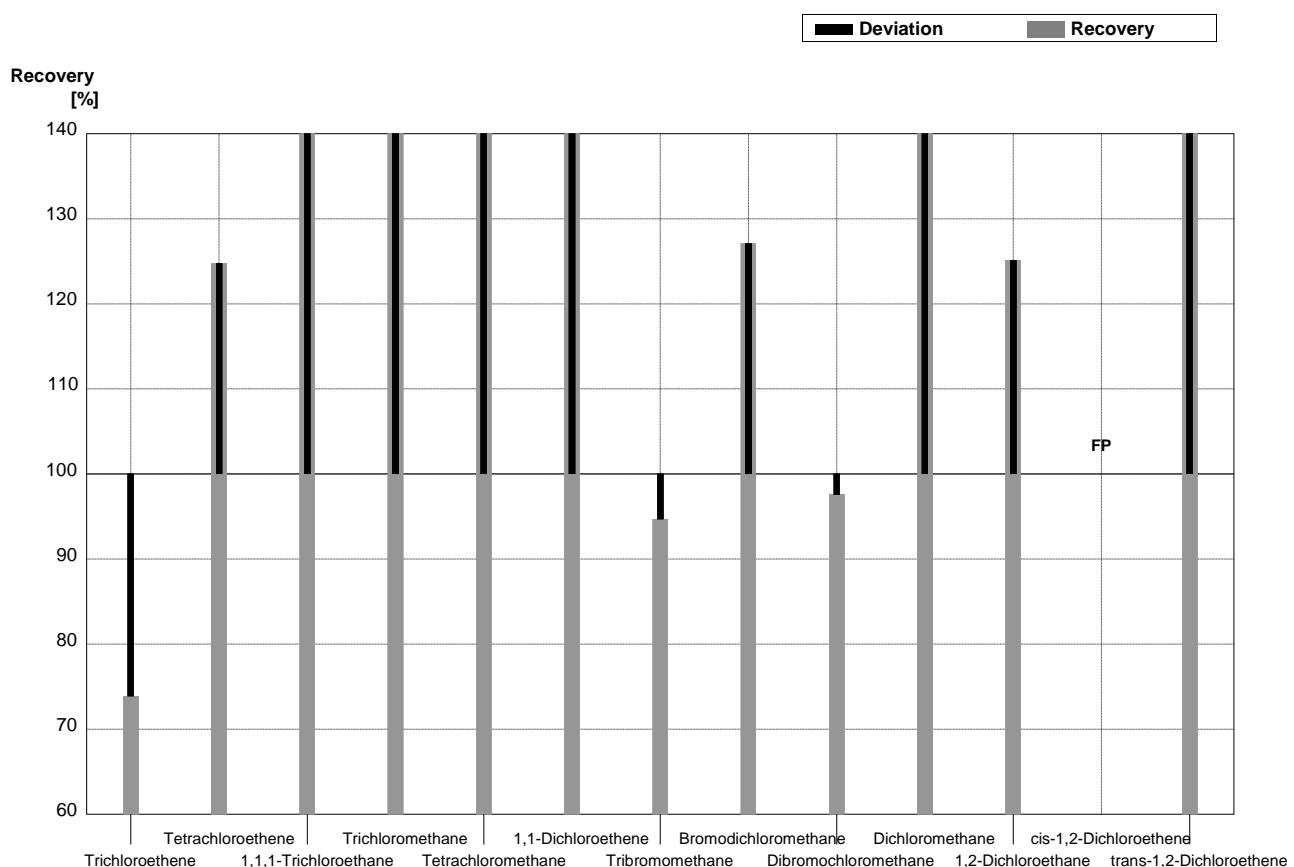
**Laboratory AH**

Parameter	Target value	± U (k=2)	Result	±	Unit	Recovery
Trichloroethene	1,70	0,09	1,92	0,19	µg/l	113%
Tetrachloroethene	1,23	0,07	1,26	0,19	µg/l	102%
1,1,1-Trichloroethane	<0,1				µg/l	
Trichloromethane	2,22	0,12	2,55	0,26	µg/l	115%
Tetrachloromethane	0,65	0,05			µg/l	
1,1-Dichloroethene	<0,2				µg/l	
Tribromomethane	<0,1		<0,5		µg/l	•
Bromodichloromethane	1,89	0,10	2,41	0,24	µg/l	128%
Dibromochloromethane	1,84	0,10	2,20	0,22	µg/l	120%
Dichloromethane	2,18	0,13			µg/l	
1,2-Dichloroethane	0,95	0,05	1,06	0,16	µg/l	112%
cis-1,2-Dichloroethene	1,69	0,09			µg/l	
trans-1,2-Dichloroethene	0,51	0,04			µg/l	



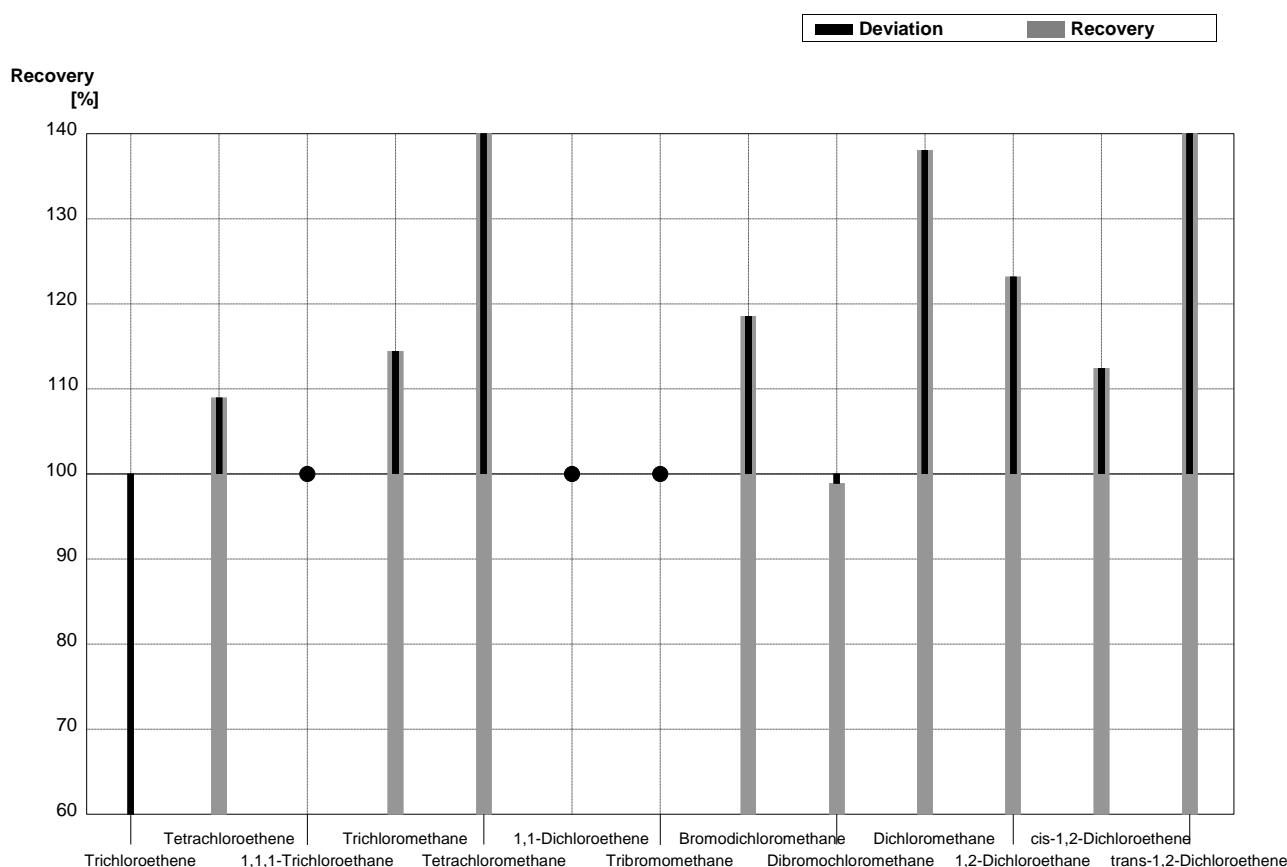
**Sample C-CB08A**  
**Laboratory AI**

Parameter	Target value	$\pm U$ ( $k=2$ )	Result	$\pm$	Unit	Recovery
Trichloroethene	1,13	0,07	0,835	0,125	$\mu\text{g/l}$	74%
Tetrachloroethene	0,412	0,035	0,514	0,077	$\mu\text{g/l}$	125%
1,1,1-Trichloroethane	1,24	0,07	2,27	0,341	$\mu\text{g/l}$	183%
Trichloromethane	1,36	0,07	1,95	0,292	$\mu\text{g/l}$	143%
Tetrachloromethane	1,57	0,09	3,44	0,515	$\mu\text{g/l}$	219%
1,1-Dichloroethene	1,96	0,11	6,04	0,905	$\mu\text{g/l}$	308%
Tribromomethane	1,51	0,11	1,43	0,214	$\mu\text{g/l}$	95%
Bromodichloromethane	0,96	0,06	1,22	0,182	$\mu\text{g/l}$	127%
Dibromochloromethane	1,25	0,08	1,22	0,183	$\mu\text{g/l}$	98%
Dichloromethane	0,92	0,09	1,52	0,227	$\mu\text{g/l}$	165%
1,2-Dichloroethane	2,11	0,11	2,64	0,396	$\mu\text{g/l}$	125%
cis-1,2-Dichloroethene	<0,1		0,179	0,0268	$\mu\text{g/l}$	FP
trans-1,2-Dichloroethene	1,95	0,10	3,28	0,491	$\mu\text{g/l}$	168%



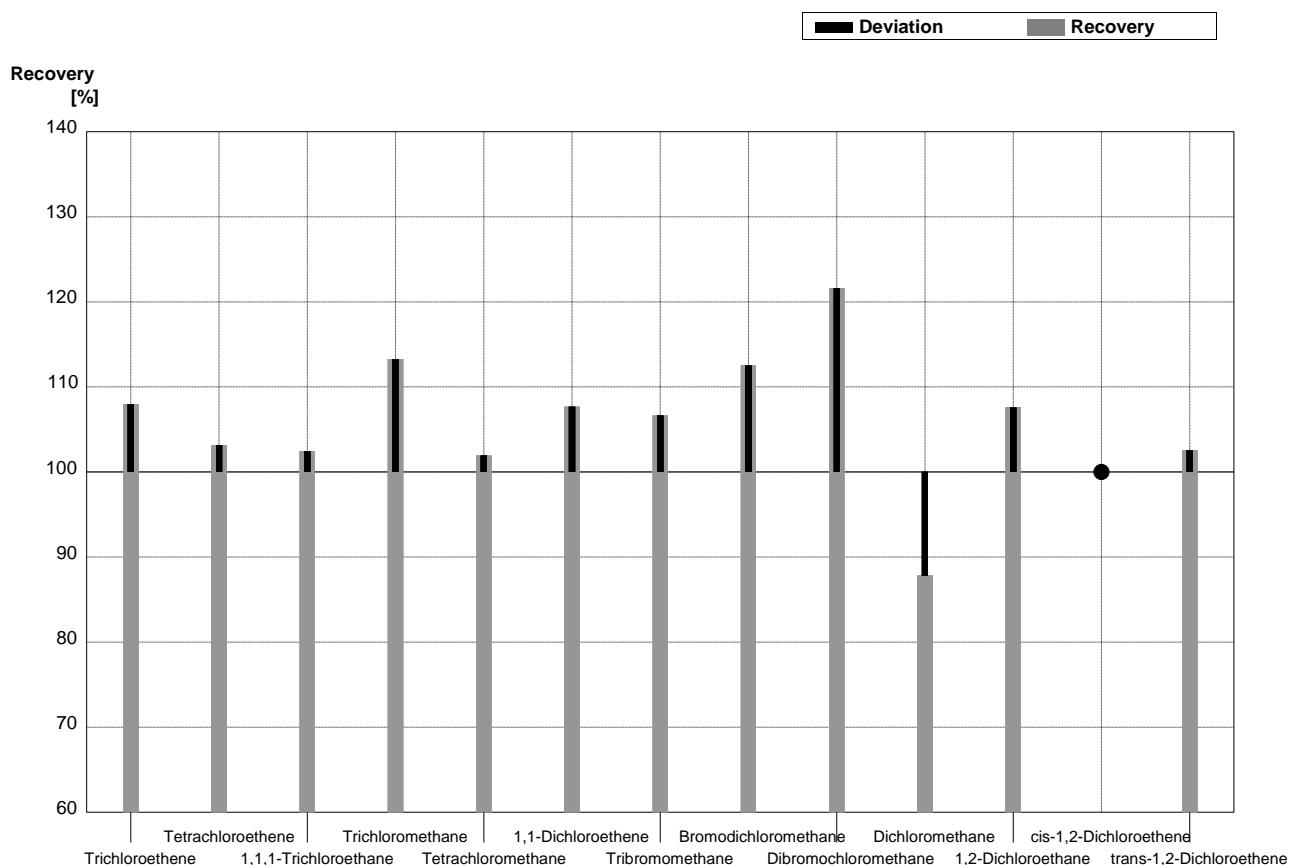
**Sample C-CB08B**  
**Laboratory AI**

Parameter	Target value	$\pm U$ ( $k=2$ )	Result	$\pm$	Unit	Recovery
Trichloroethene	1,70	0,09	0,907	0,136	$\mu\text{g/l}$	53%
Tetrachloroethene	1,23	0,07	1,34	0,201	$\mu\text{g/l}$	109%
1,1,1-Trichloroethane	<0,1		<0,1		$\mu\text{g/l}$	•
Trichloromethane	2,22	0,12	2,54	0,381	$\mu\text{g/l}$	114%
Tetrachloromethane	0,65	0,05	1,02	0,152	$\mu\text{g/l}$	157%
1,1-Dichloroethene	<0,2		<0,1		$\mu\text{g/l}$	•
Tribromomethane	<0,1		<0,1		$\mu\text{g/l}$	•
Bromodichloromethane	1,89	0,10	2,24	0,336	$\mu\text{g/l}$	119%
Dibromochloromethane	1,84	0,10	1,82	0,272	$\mu\text{g/l}$	99%
Dichloromethane	2,18	0,13	3,01	0,451	$\mu\text{g/l}$	138%
1,2-Dichloroethane	0,95	0,05	1,17	0,176	$\mu\text{g/l}$	123%
cis-1,2-Dichloroethene	1,69	0,09	1,90	0,285	$\mu\text{g/l}$	112%
trans-1,2-Dichloroethene	0,51	0,04	0,902	0,135	$\mu\text{g/l}$	177%



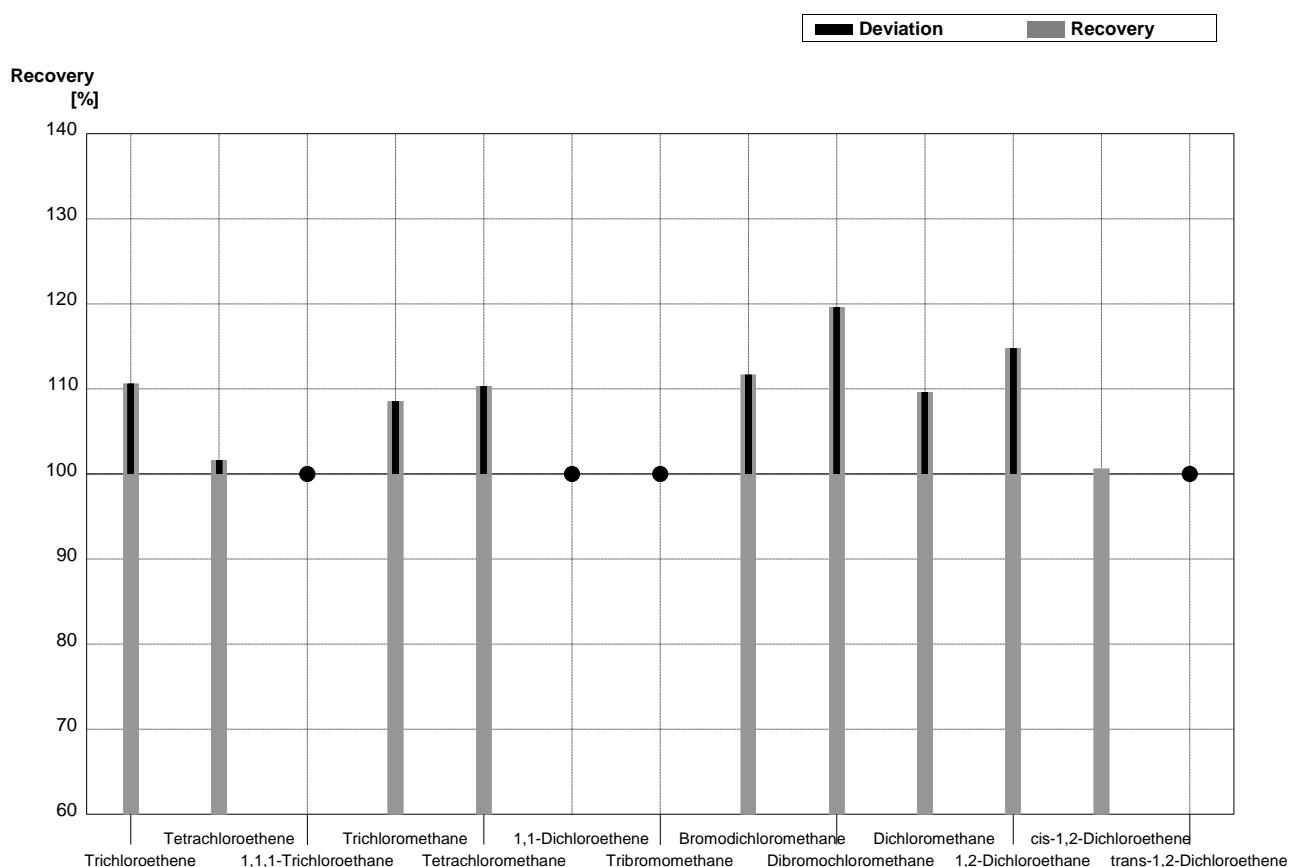
**Sample C-CB08A**  
**Laboratory AJ**

Parameter	Target value	± U (k=2)	Result	±	Unit	Recovery
Trichloroethene	1,13	0,07	1,22	0,18	µg/l	108%
Tetrachloroethene	0,412	0,035	0,425	0,064	µg/l	103%
1,1,1-Trichloroethane	1,24	0,07	1,27	0,19	µg/l	102%
Trichloromethane	1,36	0,07	1,54	0,23	µg/l	113%
Tetrachloromethane	1,57	0,09	1,60	0,24	µg/l	102%
1,1-Dichloroethene	1,96	0,11	2,11	0,32	µg/l	108%
Tribromomethane	1,51	0,11	1,61	0,24	µg/l	107%
Bromodichloromethane	0,96	0,06	1,08	0,16	µg/l	113%
Dibromochloromethane	1,25	0,08	1,52	0,23	µg/l	122%
Dichloromethane	0,92	0,09	0,808	0,121	µg/l	88%
1,2-Dichloroethane	2,11	0,11	2,27	0,34	µg/l	108%
cis-1,2-Dichloroethene	<0,1		<0,5		µg/l	•
trans-1,2-Dichloroethene	1,95	0,10	2,00	0,30	µg/l	103%



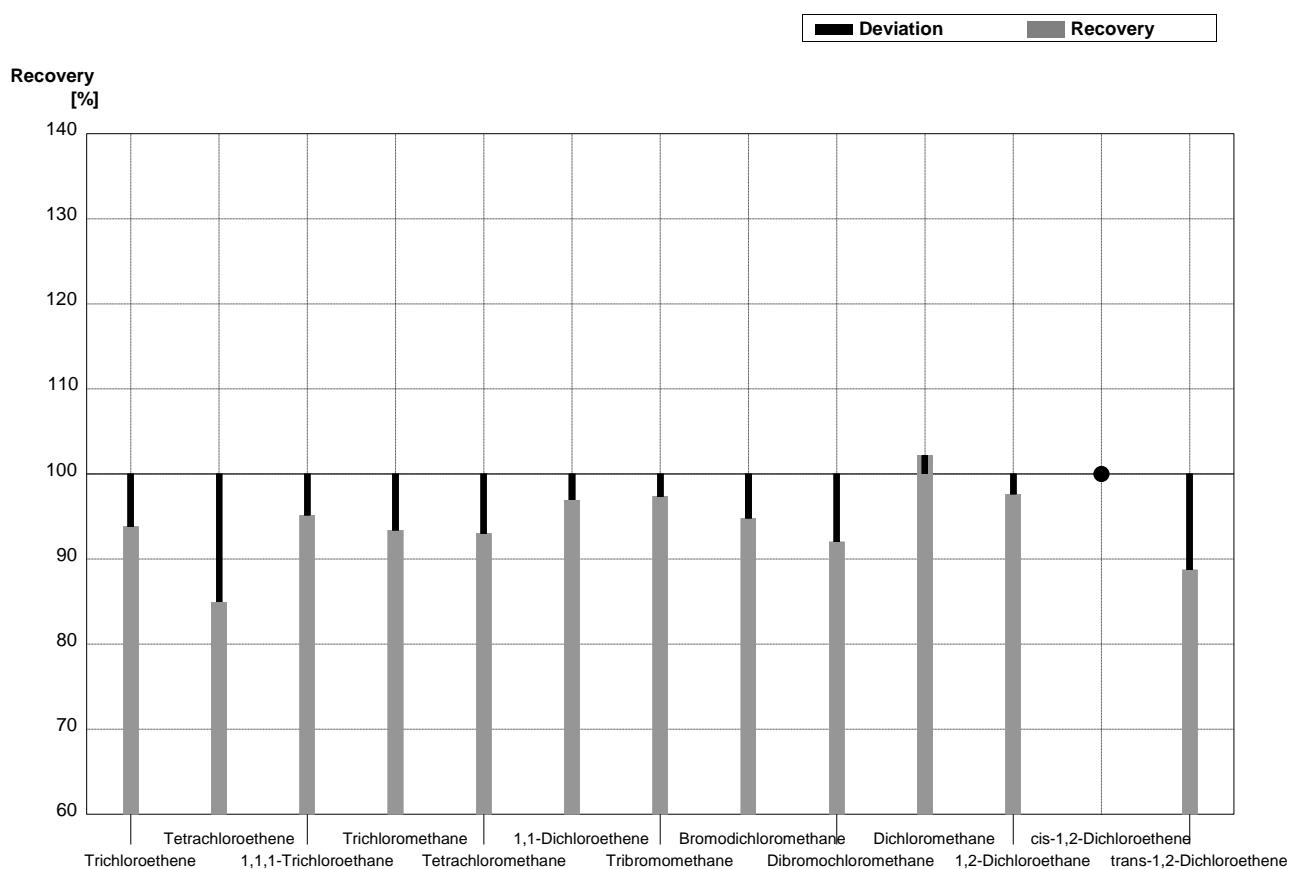
**Sample C-CB08B**  
**Laboratory AJ**

Parameter	Target value	$\pm U$ ( $k=2$ )	Result	$\pm$	Unit	Recovery
Trichloroethene	1,70	0,09	1,88	0,28	$\mu\text{g/l}$	111%
Tetrachloroethene	1,23	0,07	1,25	0,19	$\mu\text{g/l}$	102%
1,1,1-Trichloroethane	<0,1		<0,1		$\mu\text{g/l}$	•
Trichloromethane	2,22	0,12	2,41	0,36	$\mu\text{g/l}$	109%
Tetrachloromethane	0,65	0,05	0,717	0,108	$\mu\text{g/l}$	110%
1,1-Dichloroethene	<0,2		<0,2		$\mu\text{g/l}$	•
Tribromomethane	<0,1		<0,1		$\mu\text{g/l}$	•
Bromodichloromethane	1,89	0,10	2,11	0,32	$\mu\text{g/l}$	112%
Dibromochloromethane	1,84	0,10	2,20	0,33	$\mu\text{g/l}$	120%
Dichloromethane	2,18	0,13	2,39	0,36	$\mu\text{g/l}$	110%
1,2-Dichloroethane	0,95	0,05	1,09	0,16	$\mu\text{g/l}$	115%
cis-1,2-Dichloroethene	1,69	0,09	1,70	0,26	$\mu\text{g/l}$	101%
trans-1,2-Dichloroethene	0,51	0,04	<0,5		$\mu\text{g/l}$	FN



**Sample C-CB08A**  
**Laboratory AK**

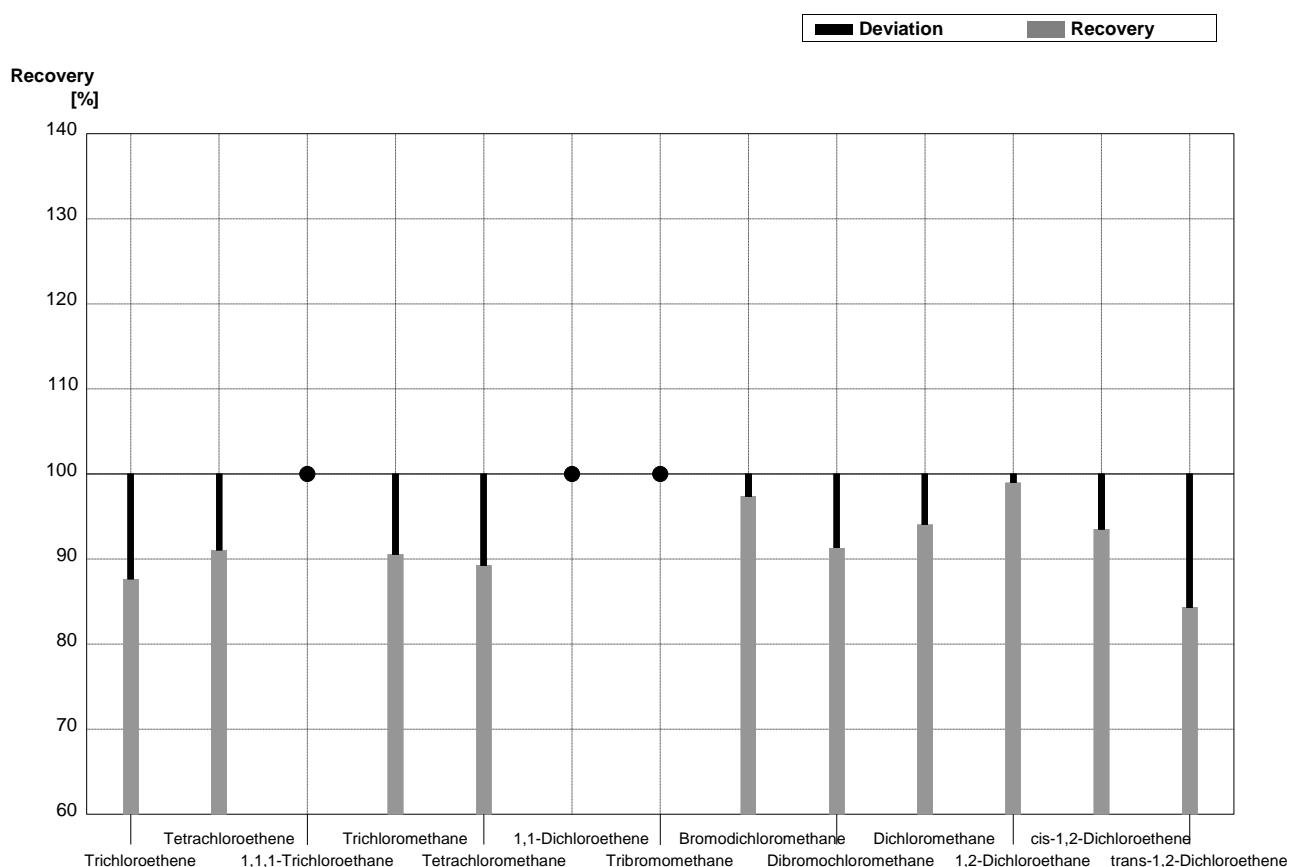
Parameter	Target value	$\pm U$ ( $k=2$ )	Result	$\pm$	Unit	Recovery
Trichloroethene	1,13	0,07	1,06	0,212	$\mu\text{g/l}$	94%
Tetrachloroethene	0,412	0,035	0,350	0,070	$\mu\text{g/l}$	85%
1,1,1-Trichloroethane	1,24	0,07	1,18	0,236	$\mu\text{g/l}$	95%
Trichloromethane	1,36	0,07	1,27	0,254	$\mu\text{g/l}$	93%
Tetrachloromethane	1,57	0,09	1,46	0,292	$\mu\text{g/l}$	93%
1,1-Dichloroethene	1,96	0,11	1,90	0,380	$\mu\text{g/l}$	97%
Tribromomethane	1,51	0,11	1,47	0,294	$\mu\text{g/l}$	97%
Bromodichloromethane	0,96	0,06	0,91	0,182	$\mu\text{g/l}$	95%
Dibromochloromethane	1,25	0,08	1,15	0,230	$\mu\text{g/l}$	92%
Dichloromethane	0,92	0,09	0,940	0,188	$\mu\text{g/l}$	102%
1,2-Dichloroethane	2,11	0,11	2,06	0,412	$\mu\text{g/l}$	98%
cis-1,2-Dichloroethene	<0,1		<0,130		$\mu\text{g/l}$	•
trans-1,2-Dichloroethene	1,95	0,10	1,73	0,346	$\mu\text{g/l}$	89%



**Sample C-CB08B**

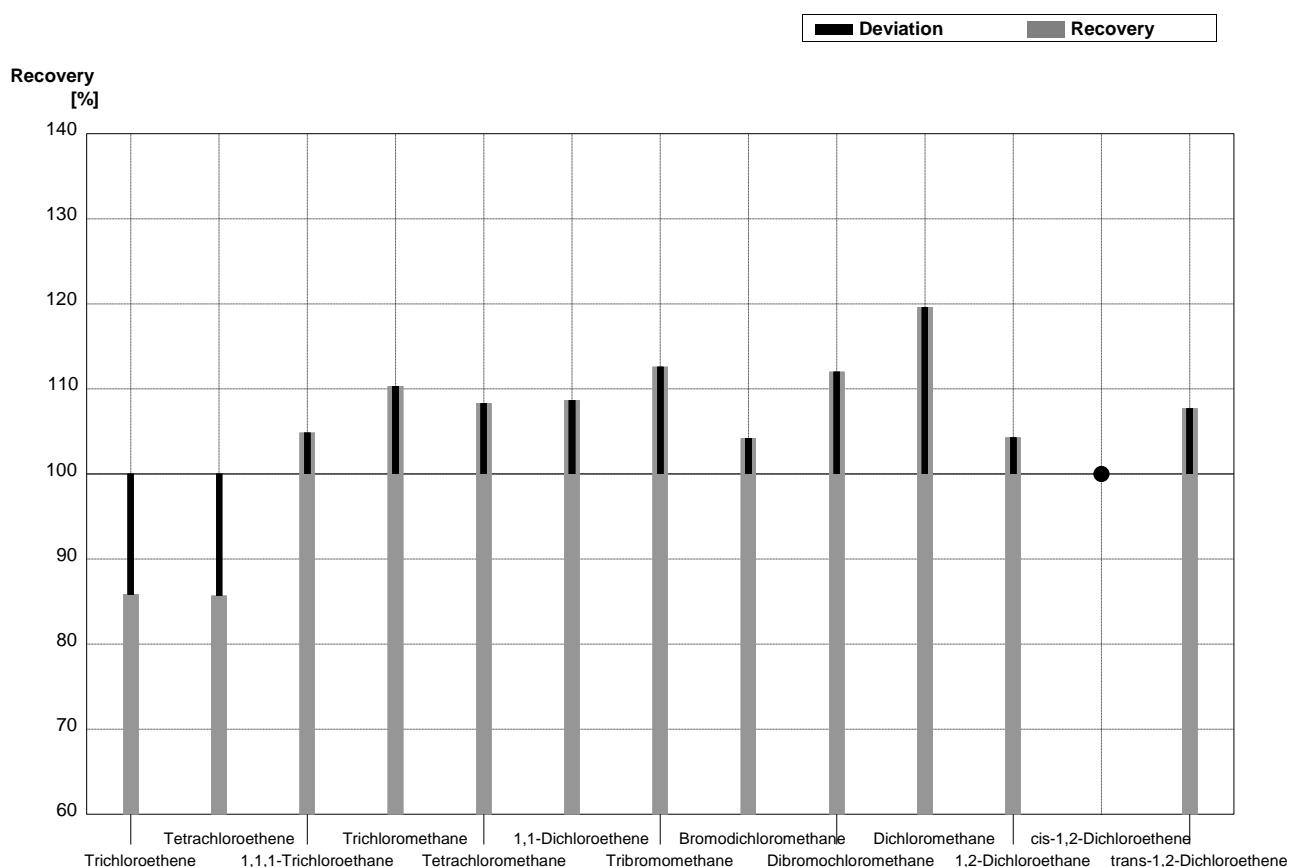
**Laboratory AK**

Parameter	Target value	$\pm U$ ( $k=2$ )	Result	$\pm$	Unit	Recovery
Trichloroethene	1,70	0,09	1,49	0,298	$\mu\text{g/l}$	88%
Tetrachloroethene	1,23	0,07	1,12	0,224	$\mu\text{g/l}$	91%
1,1,1-Trichloroethane	<0,1		<0,020		$\mu\text{g/l}$	•
Trichloromethane	2,22	0,12	2,01	0,402	$\mu\text{g/l}$	91%
Tetrachloromethane	0,65	0,05	0,580	0,116	$\mu\text{g/l}$	89%
1,1-Dichloroethene	<0,2		<0,035		$\mu\text{g/l}$	•
Tribromomethane	<0,1		<0,035		$\mu\text{g/l}$	•
Bromodichloromethane	1,89	0,10	1,84	0,368	$\mu\text{g/l}$	97%
Dibromochloromethane	1,84	0,10	1,68	0,336	$\mu\text{g/l}$	91%
Dichloromethane	2,18	0,13	2,05	0,410	$\mu\text{g/l}$	94%
1,2-Dichloroethane	0,95	0,05	0,94	0,188	$\mu\text{g/l}$	99%
cis-1,2-Dichloroethene	1,69	0,09	1,58	0,316	$\mu\text{g/l}$	93%
trans-1,2-Dichloroethene	0,51	0,04	0,430	0,086	$\mu\text{g/l}$	84%



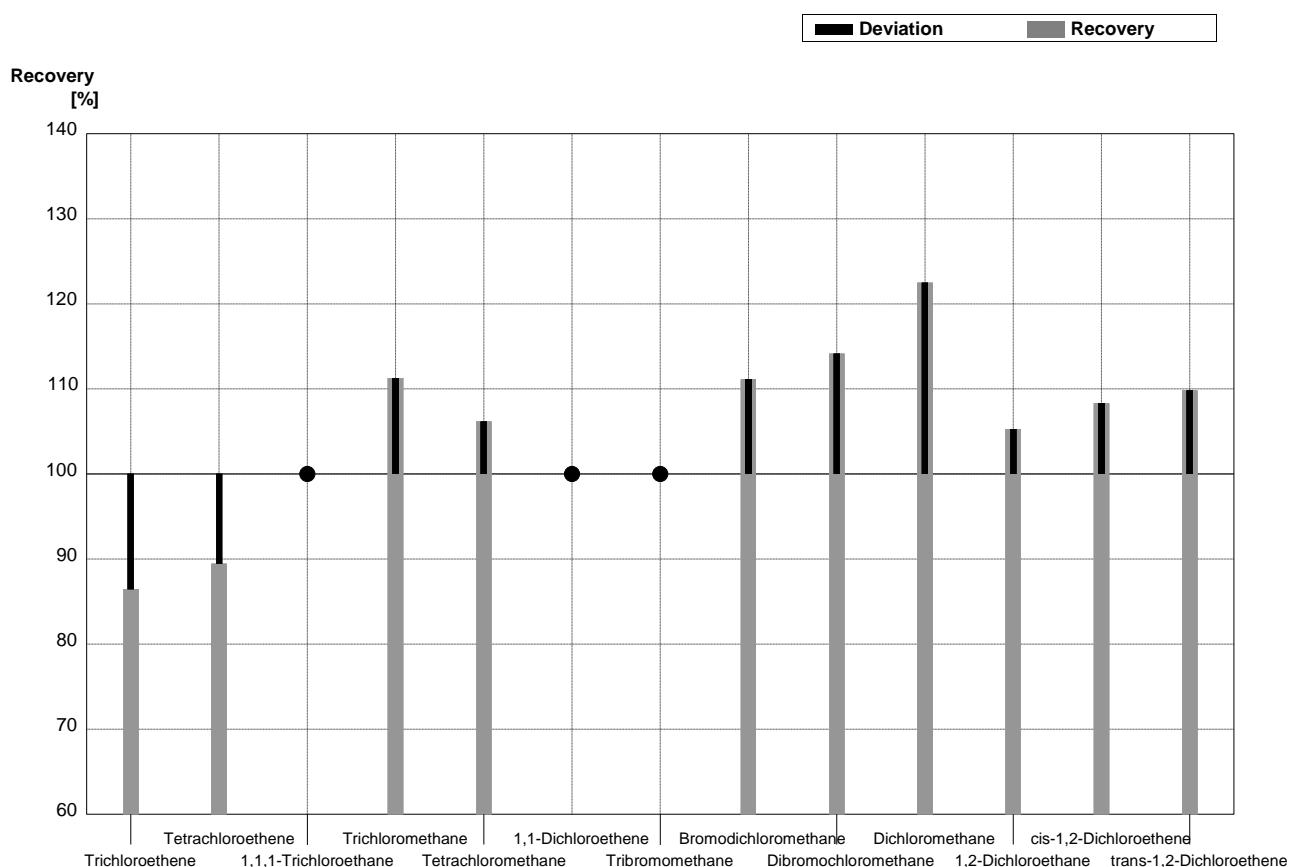
**Sample C-CB08A**  
**Laboratory AL**

Parameter	Target value	$\pm U$ ( $k=2$ )	Result	$\pm$	Unit	Recovery
Trichloroethene	1,13	0,07	0,97	0,29	$\mu\text{g/l}$	86%
Tetrachloroethene	0,412	0,035	0,353	0,106	$\mu\text{g/l}$	86%
1,1,1-Trichloroethane	1,24	0,07	1,30	0,39	$\mu\text{g/l}$	105%
Trichloromethane	1,36	0,07	1,50	0,45	$\mu\text{g/l}$	110%
Tetrachloromethane	1,57	0,09	1,70	0,51	$\mu\text{g/l}$	108%
1,1-Dichloroethene	1,96	0,11	2,13	0,64	$\mu\text{g/l}$	109%
Tribromomethane	1,51	0,11	1,70	0,51	$\mu\text{g/l}$	113%
Bromodichloromethane	0,96	0,06	1,00	0,30	$\mu\text{g/l}$	104%
Dibromochloromethane	1,25	0,08	1,40	0,42	$\mu\text{g/l}$	112%
Dichloromethane	0,92	0,09	1,10	0,33	$\mu\text{g/l}$	120%
1,2-Dichloroethane	2,11	0,11	2,20	0,66	$\mu\text{g/l}$	104%
cis-1,2-Dichloroethene	<0,1		<0,1		$\mu\text{g/l}$	•
trans-1,2-Dichloroethene	1,95	0,10	2,10	0,63	$\mu\text{g/l}$	108%



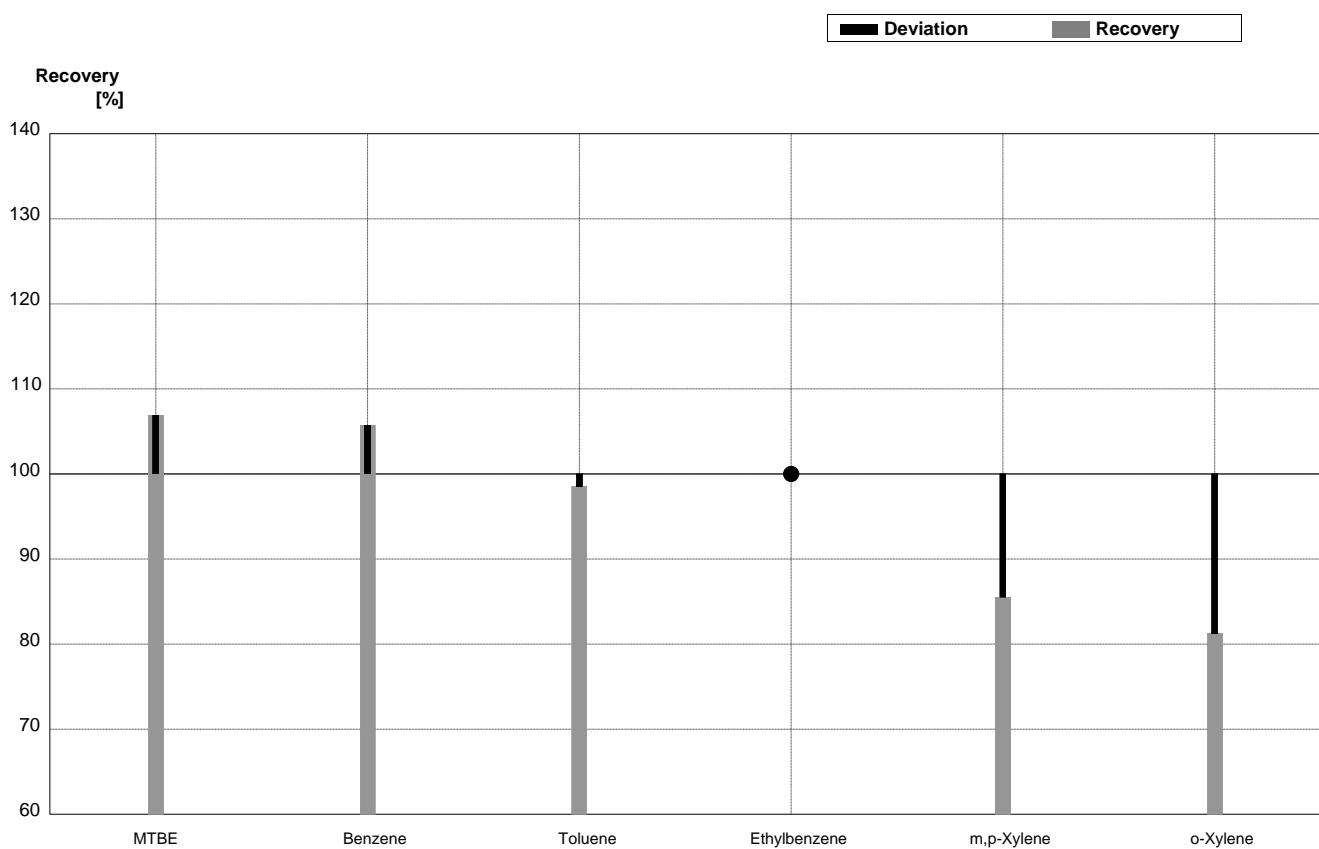
**Sample C-CB08B**  
**Laboratory AL**

Parameter	Target value	$\pm U$ ( $k=2$ )	Result	$\pm$	Unit	Recovery
Trichloroethene	1,70	0,09	1,47	0,44	$\mu\text{g/l}$	86%
Tetrachloroethene	1,23	0,07	1,10	0,33	$\mu\text{g/l}$	89%
1,1,1-Trichloroethane	<0,1		<0,1		$\mu\text{g/l}$	•
Trichloromethane	2,22	0,12	2,47	0,74	$\mu\text{g/l}$	111%
Tetrachloromethane	0,65	0,05	0,69	0,21	$\mu\text{g/l}$	106%
1,1-Dichloroethene	<0,2		<0,1		$\mu\text{g/l}$	•
Tribromomethane	<0,1		<0,1		$\mu\text{g/l}$	•
Bromodichloromethane	1,89	0,10	2,10	0,62	$\mu\text{g/l}$	111%
Dibromochloromethane	1,84	0,10	2,10	0,62	$\mu\text{g/l}$	114%
Dichloromethane	2,18	0,13	2,67	0,80	$\mu\text{g/l}$	122%
1,2-Dichloroethane	0,95	0,05	1,00	0,30	$\mu\text{g/l}$	105%
cis-1,2-Dichloroethene	1,69	0,09	1,83	0,55	$\mu\text{g/l}$	108%
trans-1,2-Dichloroethene	0,51	0,04	0,56	0,17	$\mu\text{g/l}$	110%



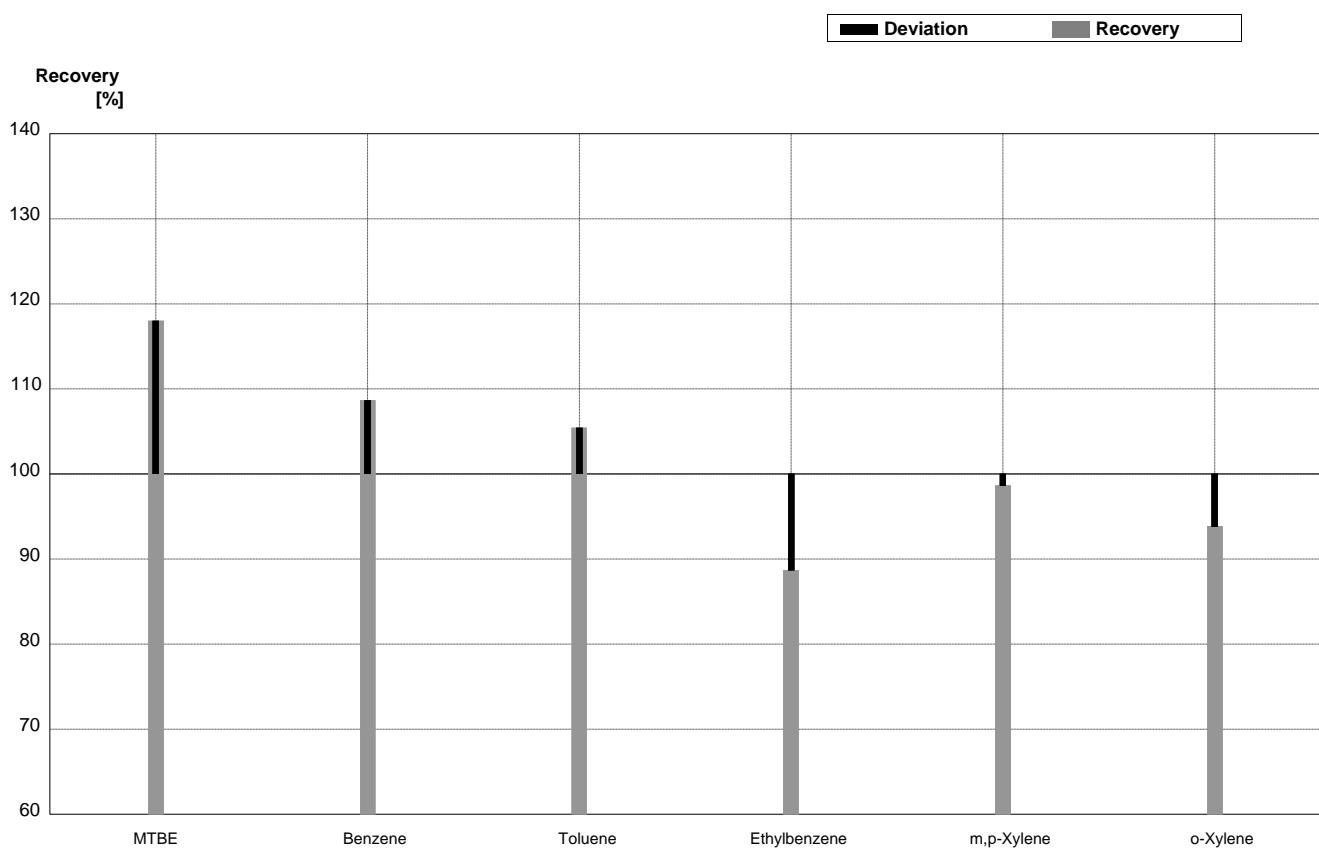
**Sample B-CB08A**  
**Laboratory AM**

Parameter	Target value	$\pm U$ ( $k=2$ )	Result	$\pm$	Unit	Recovery
MTBE	0,51	0,08	0,545		$\mu\text{g/L}$	107%
Benzene	4,34	0,23	4,59		$\mu\text{g/L}$	106%
Toluene	4,74	0,26	4,67		$\mu\text{g/L}$	99%
Ethylbenzene	<0,1		<0,1		$\mu\text{g/L}$	•
m,p-Xylene	1,52	0,17	1,30		$\mu\text{g/L}$	86%
o-Xylene	0,96	0,12	0,78		$\mu\text{g/L}$	81%



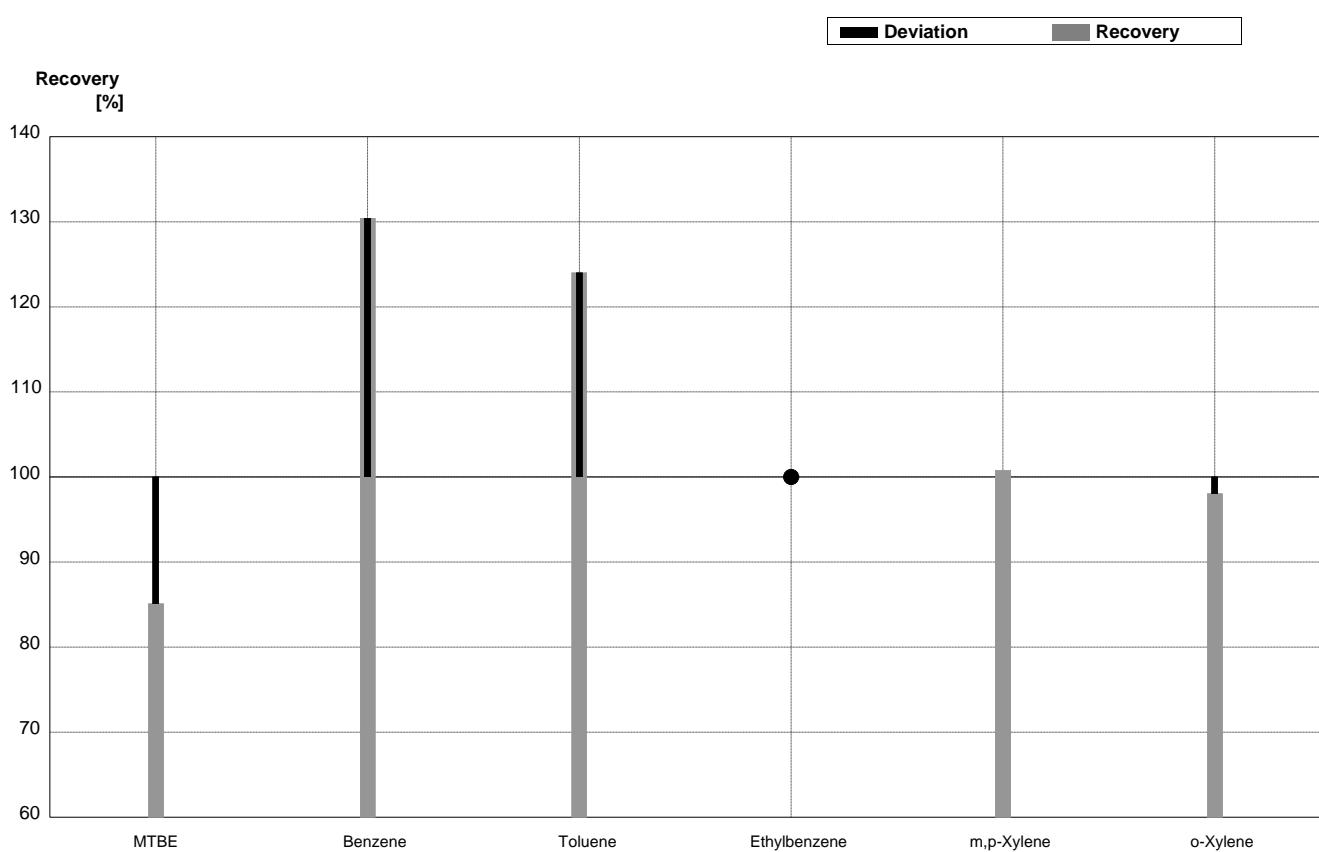
**Sample      B-CB08B**  
**Laboratory AM**

Parameter	Target value	$\pm U$ ( $k=2$ )	Result	$\pm$	Unit	Recovery
MTBE	2,28	0,14	2,69		$\mu\text{g/L}$	118%
Benzene	1,16	0,08	1,26		$\mu\text{g/L}$	109%
Toluene	2,40	0,15	2,53		$\mu\text{g/L}$	105%
Ethylbenzene	2,12	0,15	1,88		$\mu\text{g/L}$	89%
m,p-Xylene	5,10	0,30	5,03		$\mu\text{g/L}$	99%
o-Xylene	5,51	0,30	5,17		$\mu\text{g/L}$	94%



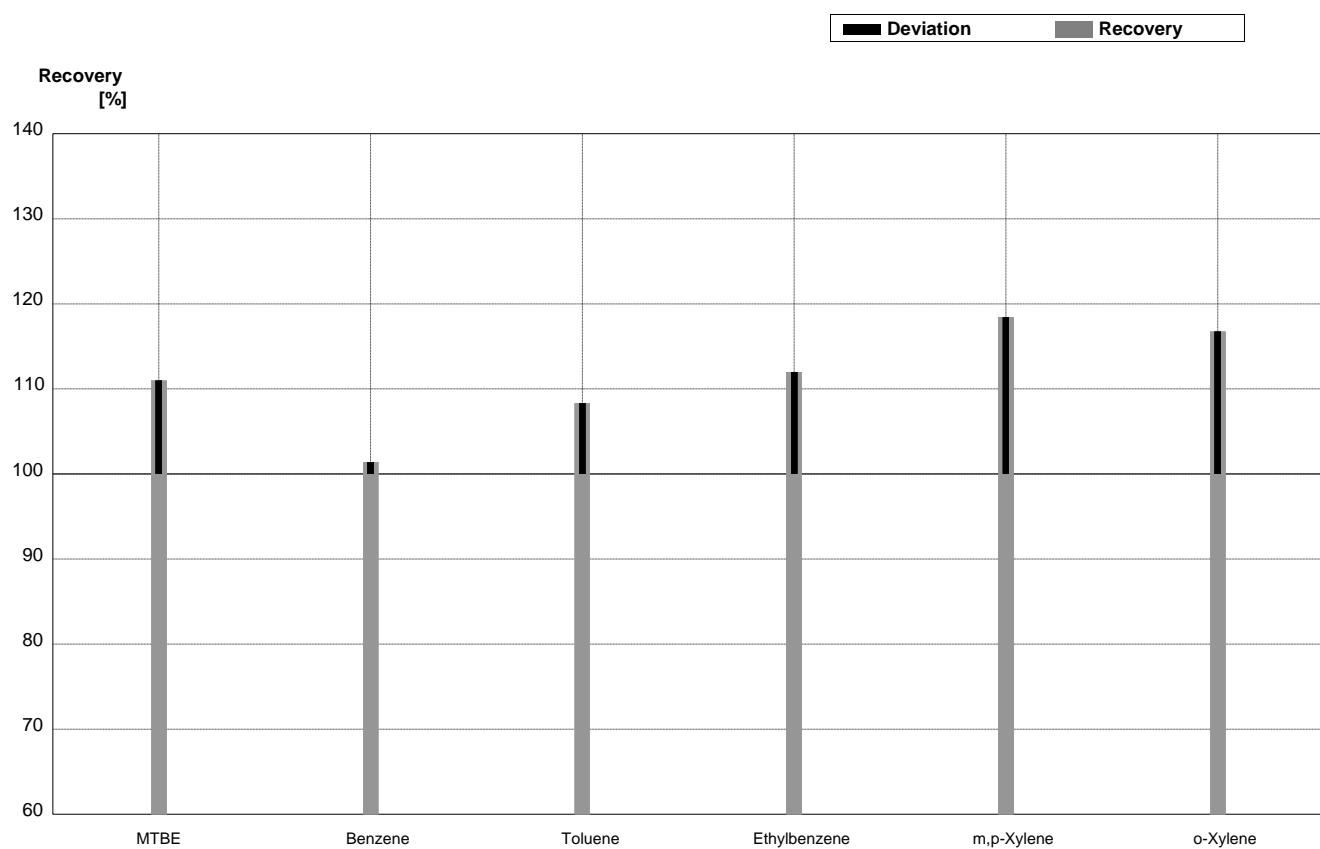
**Sample B-CB08A**  
**Laboratory AN**

Parameter	Target value	$\pm U$ ( $k=2$ )	Result	$\pm$	Unit	Recovery
MTBE	0,51	0,08	0,434	0,065	$\mu\text{g/L}$	85%
Benzene	4,34	0,23	5,661	0,849	$\mu\text{g/L}$	130%
Toluene	4,74	0,26	5,877	0,882	$\mu\text{g/L}$	124%
Ethylbenzene	<0,1		<0,1		$\mu\text{g/L}$	•
m,p-Xylene	1,52	0,17	1,532	0,230	$\mu\text{g/L}$	101%
o-Xylene	0,96	0,12	0,941	0,141	$\mu\text{g/L}$	98%



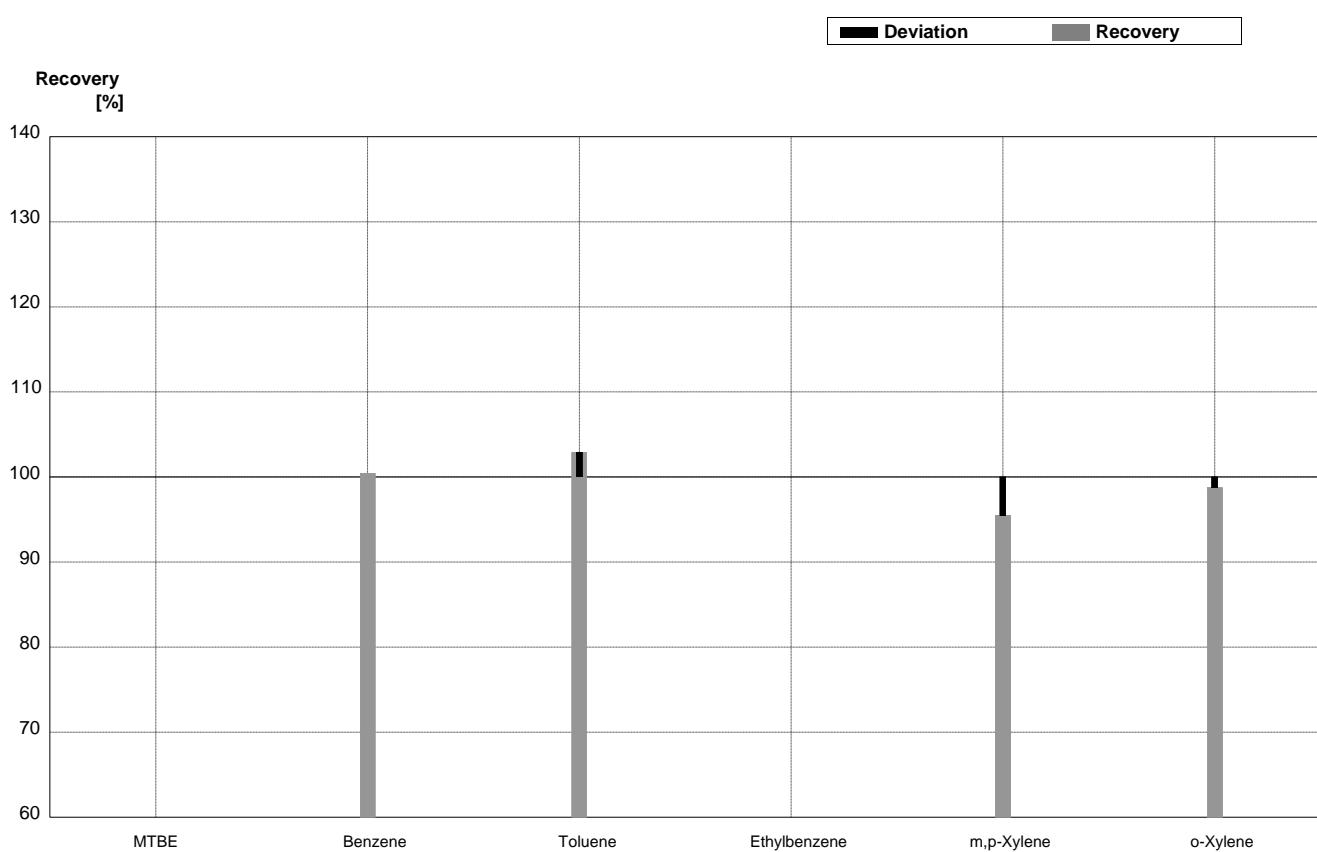
**Sample B-CB08B****Laboratory AN**

Parameter	Target value	$\pm U$ ( $k=2$ )	Result	$\pm$	Unit	Recovery
MTBE	2,28	0,14	2,530	0,380	$\mu\text{g/L}$	111%
Benzene	1,16	0,08	1,176	0,176	$\mu\text{g/L}$	101%
Toluene	2,40	0,15	2,599	0,390	$\mu\text{g/L}$	108%
Ethylbenzene	2,12	0,15	2,374	0,356	$\mu\text{g/L}$	112%
m,p-Xylene	5,10	0,30	6,039	0,906	$\mu\text{g/L}$	118%
o-Xylene	5,51	0,30	6,431	0,965	$\mu\text{g/L}$	117%



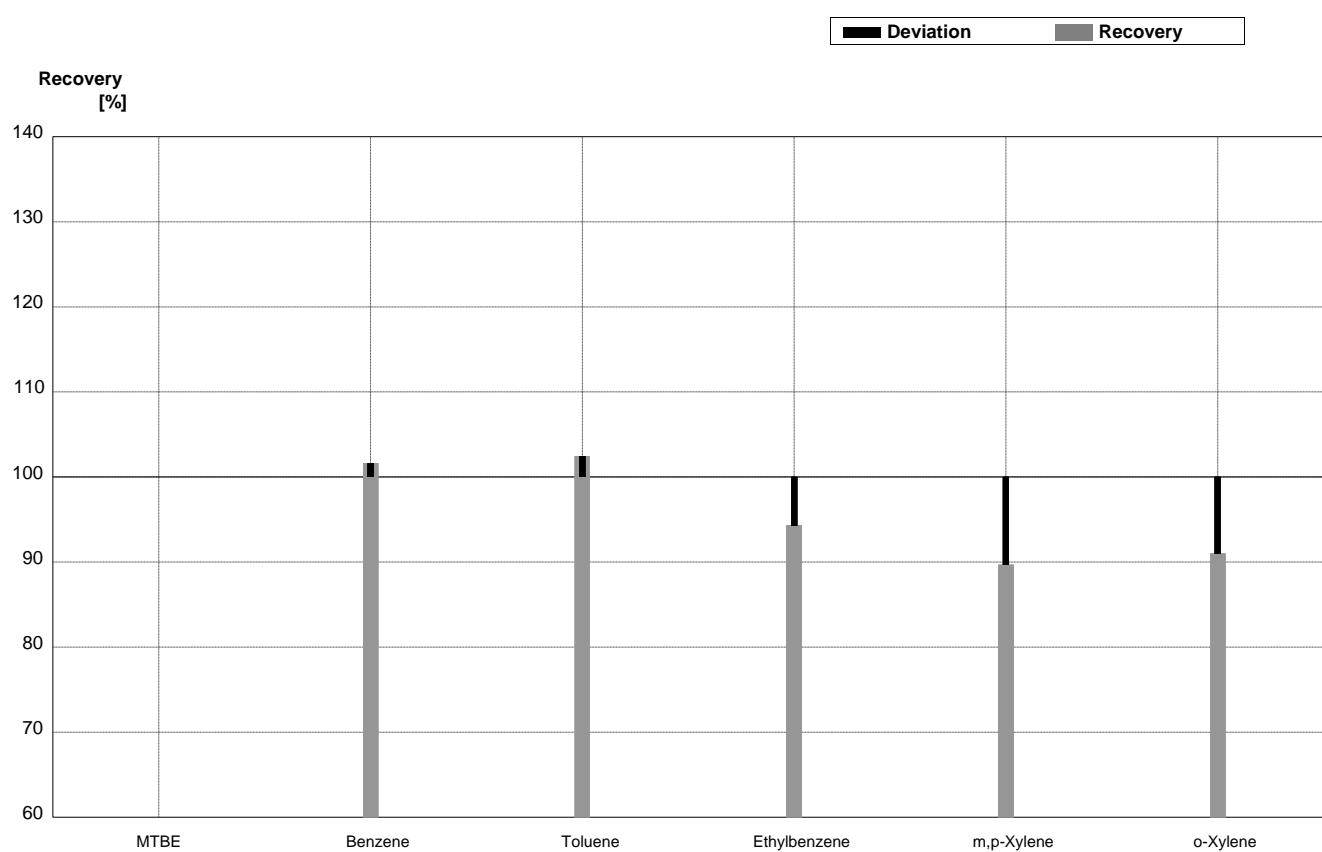
**Sample B-CB08A**  
**Laboratory AO**

Parameter	Target value	$\pm U$ ( $k=2$ )	Result	$\pm$	Unit	Recovery
MTBE	0,51	0,08			$\mu\text{g/L}$	
Benzene	4,34	0,23	4,35840	0,17	$\mu\text{g/L}$	100%
Toluene	4,74	0,26	4,87715	0,13	$\mu\text{g/L}$	103%
Ethylbenzene	<0,1				$\mu\text{g/L}$	
m,p-Xylene	1,52	0,17	1,45105	0,12	$\mu\text{g/L}$	95%
o-Xylene	0,96	0,12	0,94805	0,14	$\mu\text{g/L}$	99%



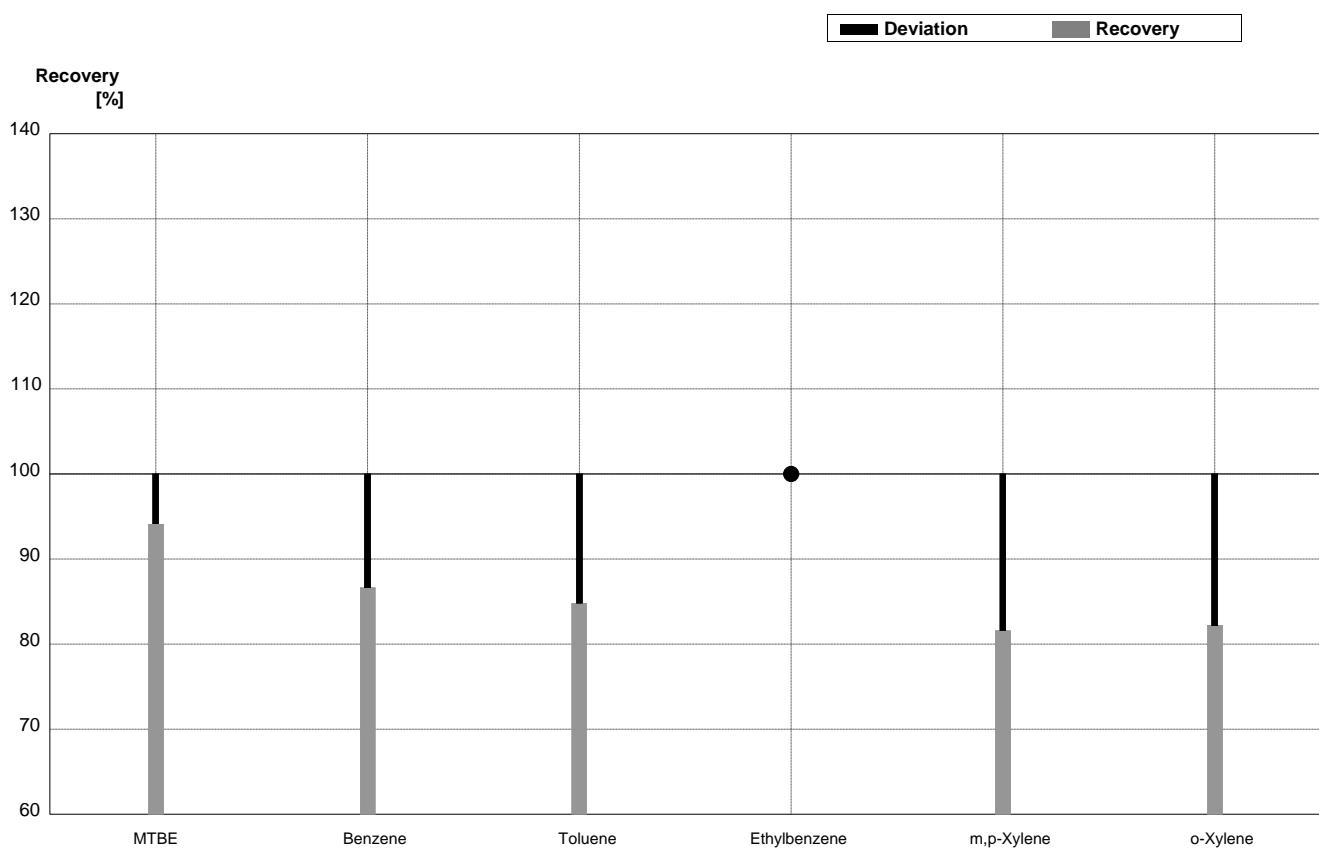
**Sample B-CB08B**  
**Laboratory AO**

Parameter	Target value	$\pm U$ ( $k=2$ )	Result	$\pm$	Unit	Recovery
MTBE	2,28	0,14			$\mu\text{g/L}$	
Benzene	1,16	0,08	1,17845	0,17	$\mu\text{g/L}$	102%
Toluene	2,40	0,15	2,45790	0,13	$\mu\text{g/L}$	102%
Ethylbenzene	2,12	0,15	1,99905	0,11	$\mu\text{g/L}$	94%
m,p-Xylene	5,10	0,30	4,57340	0,12	$\mu\text{g/L}$	90%
o-Xylene	5,51	0,30	5,01345	0,14	$\mu\text{g/L}$	91%



**Sample B-CB08A**  
**Laboratory AP**

Parameter	Target value	$\pm U$ ( $k=2$ )	Result	$\pm$	Unit	Recovery
MTBE	0,51	0,08	0,480	0,12	$\mu\text{g/L}$	94%
Benzene	4,34	0,23	3,76	0,94	$\mu\text{g/L}$	87%
Toluene	4,74	0,26	4,02	1,00	$\mu\text{g/L}$	85%
Ethylbenzene	<0,1		<0,10	0,03	$\mu\text{g/L}$	•
m,p-Xylene	1,52	0,17	1,24	0,31	$\mu\text{g/L}$	82%
o-Xylene	0,96	0,12	0,789	0,20	$\mu\text{g/L}$	82%



**Sample      B-CB08B**

**Laboratory AP**

Parameter	Target value	$\pm U$ ( $k=2$ )	Result	$\pm$	Unit	Recovery
MTBE	2,28	0,14	2,20	0,55	$\mu\text{g/L}$	96%
Benzene	1,16	0,08	1,00	0,25	$\mu\text{g/L}$	86%
Toluene	2,40	0,15	1,99	0,50	$\mu\text{g/L}$	83%
Ethylbenzene	2,12	0,15	1,85	0,46	$\mu\text{g/L}$	87%
m,p-Xylene	5,10	0,30	4,23	1,06	$\mu\text{g/L}$	83%
o-Xylene	5,51	0,30	4,46	1,12	$\mu\text{g/L}$	81%

