

# **EVALUATION OF THE INTERLABORATORY COMPARISON TEST**

## **Volatile halogenated hydrocarbons (VHH) and BTEX/MTBE - CB03**

Sample dispatch on 27<sup>th</sup> June 2017

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# **1 Interlaboratory comparison test: Volatile halogenated hydrocarbons (VHH) and BTEX/MTBE – CB03**

## **1.1 Participants and time schedule**

- Number of registrations: 27
- Number of submitted data records: 26
- Dispatch of samples: 27<sup>th</sup> June 2017
- Closing date for submission of data: 25<sup>th</sup> July 2017

For the interlaboratory comparison test CB03 the participants could participate in C-CB03 (VHH) and/or B-CB03 (BTEX/MTBE).

To anonymize results, each laboratory was given a laboratory code on a random basis.

## **1.2 Sampling, sample material and distribution**

The following samples were made available:

- 2 Samples ground water (CB03 A - VHH, CB03 A - BTEX/MTBE)
- 2 Samples flowing surface water (CB03 B - VHH, CB03 B - BTEX/MTBE)

The sampling of the ground- and flowing surface water was carried out on 26<sup>th</sup> June 2017.

Both samples were stored at < 4 °C until further processing.

The samples were partly spiked with specific substances and were filled into bottles under continuous stirring to achieve homogeneous samples. The samples were dispatched on 27<sup>th</sup> June 2017.

Each participant received (according to the order) :

- 2 samples (each 600 ml), each filled in 600 ml Aluminium bottles or
- 4 samples (each 600 ml), each filled in 600 ml Aluminium bottles

### 1.3 Control testing

During filling the bottles, aliquots of each sample were collected randomly for control testing. Testing was performed close to the time of sample dispatch.

In the parameter-oriented evaluation, the results of the control testing are given in the form of arithmetic means of the detected concentrations as check value  $\pm U$ .

## 2 Evaluation

The analytical results had to be made available to the organiser not later than 25<sup>th</sup> July 2017. Any values received at a later date were not considered. A statistical evaluation of interlaboratory comparison data was only carried out if at least 6 valid results per parameter were available.

To evaluate the data, outliers were detected first by using the outlier test method according to Hampel. Values identified as conspicuous by this test method are marked specifically in the parameter-oriented evaluation. Further evaluation was performed in accordance with DIN ISO 5725-2. Results  $< LOQ$  or  $< LOD$  are not taken into account for calculation.

The adjusted average value (after removal of outliers) for all submitted results was used as a basis for the calculation of recovery rates and z-scores.

### z-Score

z-Scores were calculated on the basis of the following formula:

$$z - score = \frac{x_i - \bar{X}}{SD}$$

In this context,

$x_i$  is the measurement value of the participating laboratory.

$\bar{X}$  is the adjusted average value (i.e. after removal of outliers) of the participants' results.

$SD$  is the reproducibility standard deviation, calculated from the participants' results (after removal of outliers) in the relevant test round.

### Interpretation of z-Scores in the parameter-oriented evaluation:

- $|z| < 2$  result: good
- $2 < |z| < 3$  result: questionable
- $|z| > 3$  result: not satisfactory

### 3 Representation and interpretation of measurement results

The parameter oriented report shows the measurement values including uncertainty, recovery rate, calculated z-Score and the outliers in tabular form. The results listed in the table are also represented graphically.

The laboratory oriented report shows the results of the individual laboratories, including the recovery rates and z-Scores.

An annotation of the tables and graphics is given in section 5.

### 4 Explanatory notes

As explained in section 2, the z-Score is calculated using the reproducibility standard deviation, calculated from the participants' results (after removal of outliers) in the relevant test round. As a consequence it might occur that the z-Score between -2 and 2 covers an extraordinary range, due to a high variance of the results. On the other hand, a low variation of the participants' results leads to an extraordinary small recovery rate range when applying a z-Score of -2 to +2.

The recovery rate is calculated for the individual result based on the target value. Therefore, in the case of a high variance of the results, participants should also consider recovery rates as an indicator for the necessity of internal quality assurance measures.

- Cf. Toluene sample CB03 B – BTEX/MTBE (n=16) – high variance
- Cf. Sum of m-Xylene and p-Xylene sample CB03 B – BTEX/MTBE (n=9) – low variance

Sample CB03 A - BTEX/MTBE: For the parameter Ethylbenzene no target value was calculated because of the low analyte content.

Sample CB03 B - BTEX/MTBE: For the parameters Bromodichloromethane and cis-1,2-Dichloroethene no target values were calculated because of the low analyte contents.

## 5 Annotations on tables and charts

### 5.1 Information and abbreviations in tables

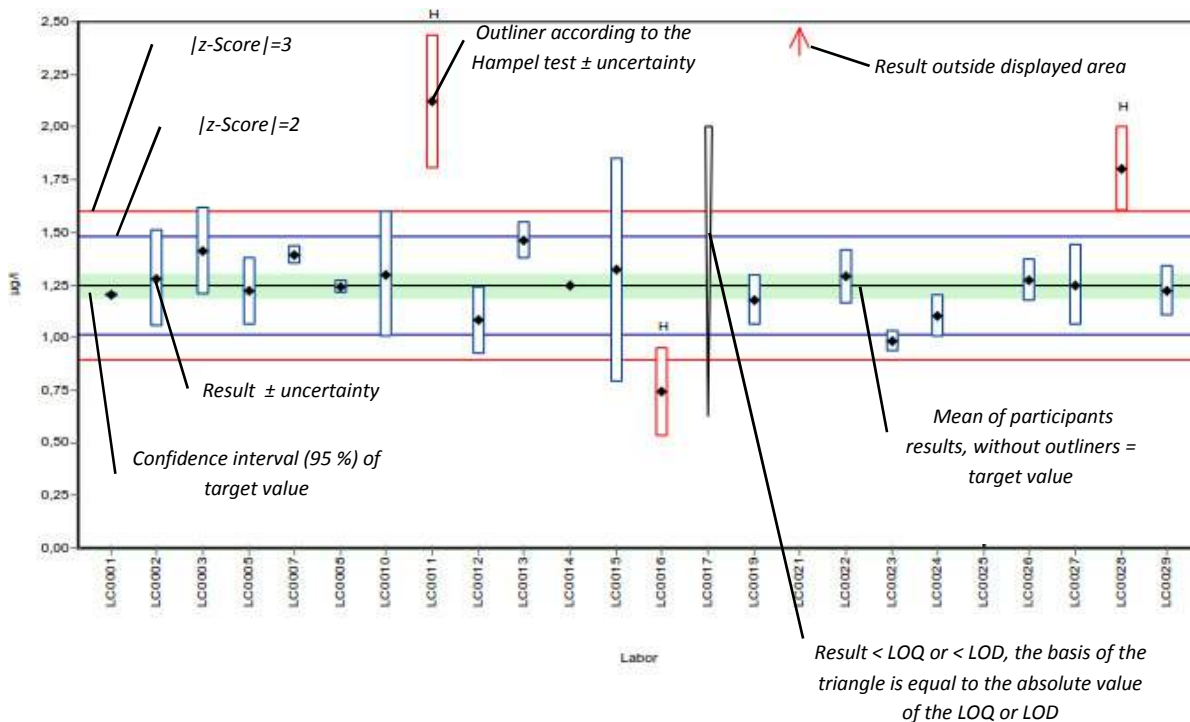
Parameter	Analyte identifier
Sample	Sample identifier
Unit	Given unit for result and uncertainty (e.g. µg/l)
Mean	Mean of the participants results, without outliers (3 significant digits)
CI (99 %)	99% confidence interval (3 significant digits)
Minimum	Minimum of all submitted results, after removal of outliers (3 significant digits)
Maximum	Maximum of all submitted results, after removal of outliers (3 significant digits)
SD	Reproducibility standard deviation, calculated from the participants results, after removal of outliers (3 significant digits)
RSD %	Reproducibility standard deviation, calculated from the participants results relative to the target value, given in %, after removal of outliers (2 significant digits)
Check value ± U	Mean of check value ± measurement uncertainty (3 significant digits)
Labcode	Laboratory identifier (anonymized)
Result	Result as indicated by participant (max. 5 decimal places)
± U	Results uncertainty as indicated by participant (max. 5 decimal places)
LOQ	Limit of quantification
LOD	Limit of detection
Recovery	Recovery rate in % based on target value (3 significant digits, max. one decimal place given)
z-Score	Deviation of result based on target value depicted as a multiple of the criteria (3 significant digits, max. 2 decimal places given)
-	<i>No data available</i>
Comments	Comment on the respective result (e.g. H, FN, FP)
H	Outlier according to Hampel-Test
FN	False negative – for a result < LOQ or result < LOD: The absolute value of the LOQ or LOD fulfils the condition of an outlier according to the Hampel test.
FP	False positive – for parameters where no target value is available because of a too low analyte content (n < 6):

	Result that exceeds the median of the absolute values of the transmitted LOQs or LODs by more than 100 %.
Standard deviation	Reproducibility standard deviation, calculated from the participants results (3 significant digits)
Rel. standard deviation	Reproducibility standard deviation, calculated from the participants results relative to the target value, given in %, (3 significant digits)
n	Number of results
Target value	Mean of the participants results, without outliers (3 significant digits)
Criteria	Criteria for z-Score calculation. The given value matches the reproducibility standard deviation, calculated from the participants' results, after removal of outliers (3 significant digits).

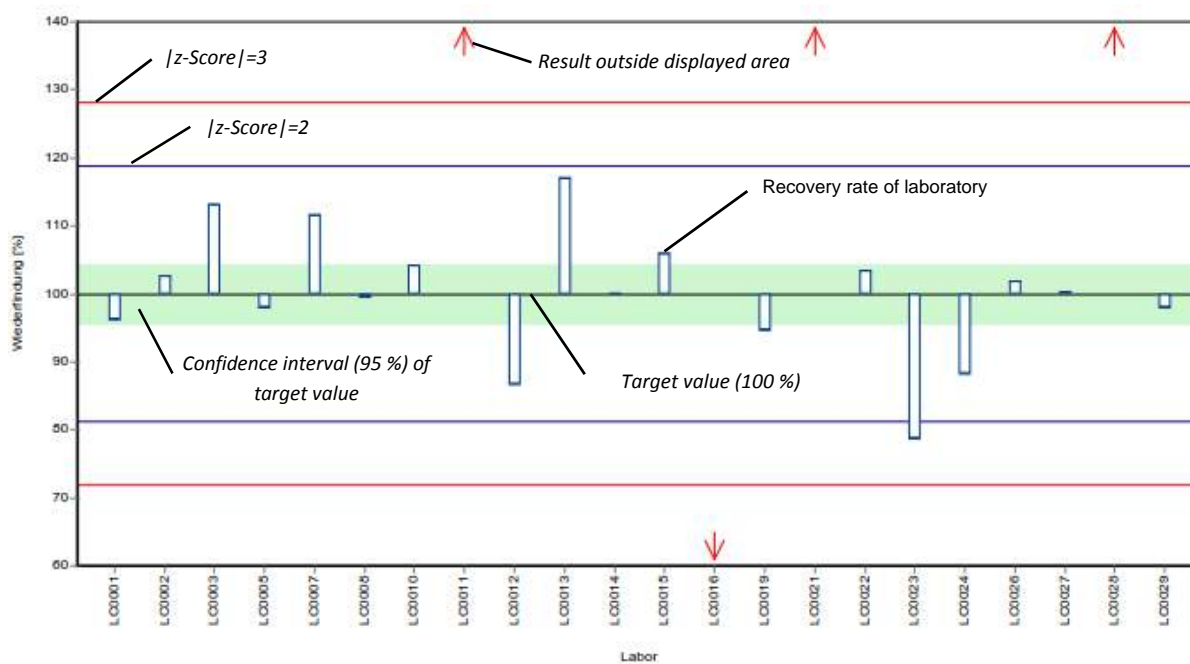


## 5.2 Graphical presentation of results

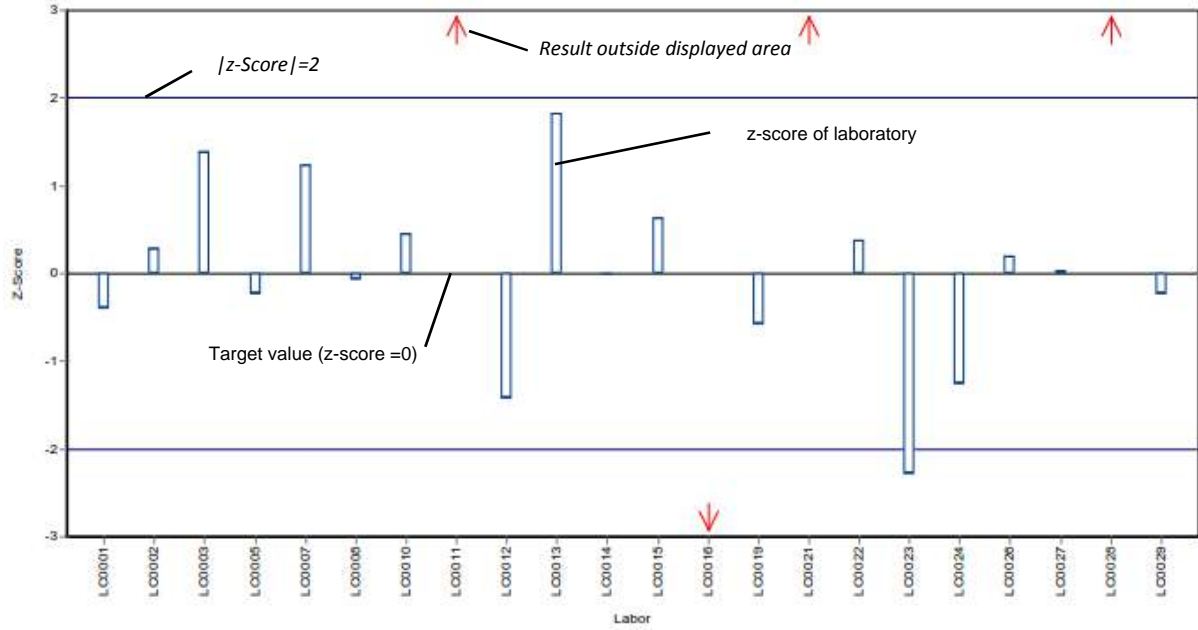
### Example chart: Results



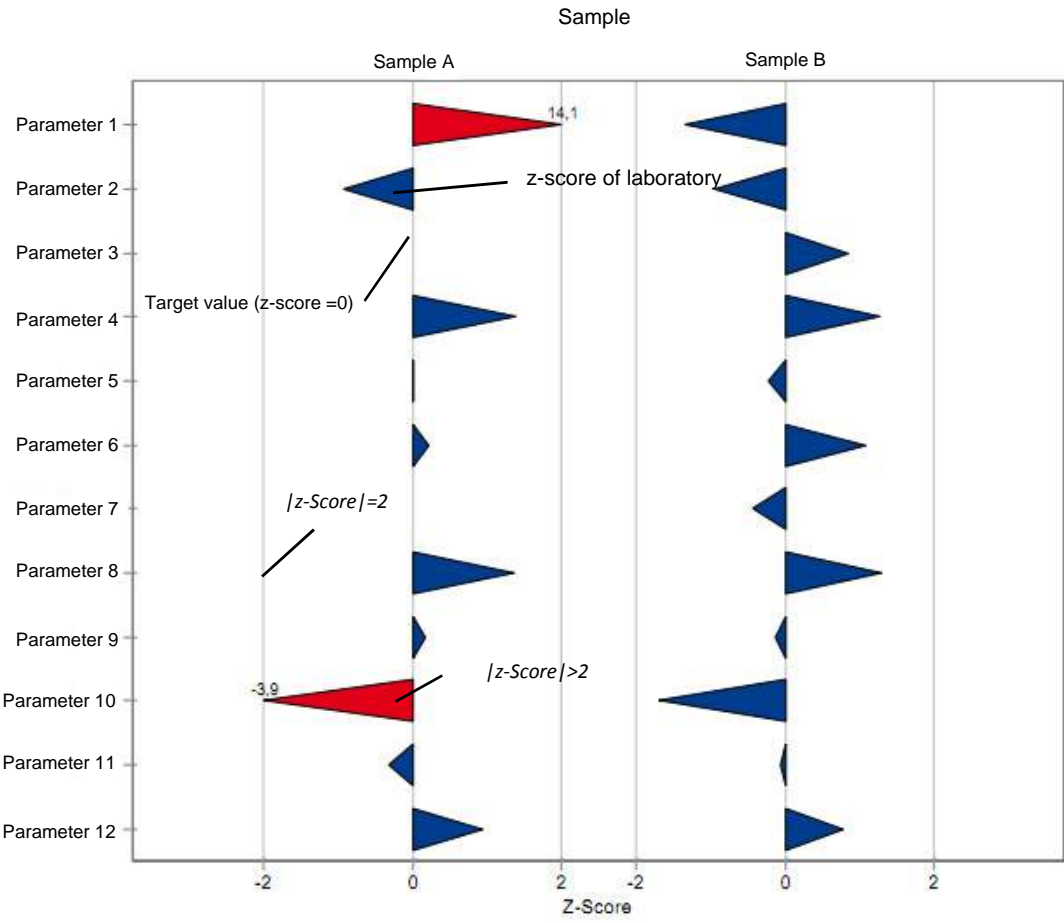
### Example chart: Recovery



**Example chart: z-score**



**Example chart: z-score - laboratory oriented report**



Summary of results, after removal of outliers: Volatile halogenated hydrocarbons (VHH) and BTEX/MTBE - CB03

## 6 Summary of results, after removal of outliers

Parameter	Sample	Unit	Number of results for calculation	Number of outliers	Mean	± CI (99%)	Minimum	Maximum	SD	RSD %
Benzene	CB03 A - BTEX/MTBE	µg/l	15	2	0.918	± 0.0988	0.73	1.2	0.127	14
	CB03 B - BTEX/MTBE	µg/l	14	3	5.61	± 0.454	4.76	7	0.566	10
Ethylbenzene	CB03 A - BTEX/MTBE	µg/l	3	0	-	± -	1.06	3.64	-	-
	CB03 B - BTEX/MTBE	µg/l	14	0	0.665	± 0.164	0.37	1.01	0.205	31
o-Xylene	CB03 A - BTEX/MTBE	µg/l	13	3	0.539	± 0.0556	0.44	0.69	0.0669	12
	CB03 B - BTEX/MTBE	µg/l	17	0	3.47	± 0.895	0.98	6.08	1.23	35
Sum of m-Xylene and p-Xylene	CB03 A - BTEX/MTBE	µg/l	15	0	1.77	± 0.272	1	2.24	0.351	20
	CB03 B - BTEX/MTBE	µg/l	9	3	4.1	± 0.219	3.77	4.5	0.219	5.3
Toluene	CB03 A - BTEX/MTBE	µg/l	16	1	1.51	± 0.242	0.697	1.99	0.323	21
	CB03 B - BTEX/MTBE	µg/l	16	0	5.59	± 1.89	0.77	8.57	2.52	45
Methyl-tert-butyl-ether	CB03 A - BTEX/MTBE	µg/l	8	2	1.13	± 0.197	0.94	1.41	0.186	16
	CB03 B - BTEX/MTBE	µg/l	9	1	3.6	± 0.614	3	4.68	0.614	17
1,1,1-Trichloroethane	CB03 A - VHH	µg/l	21	0	1.28	± 0.175	0.673	1.83	0.267	21
	CB03 B - VHH	µg/l	21	0	4.83	± 0.642	3.18	7.35	0.981	20
1,1-Dichloroethene	CB03 A - VHH	µg/l	18	2	1.13	± 0.167	0.602	1.6	0.237	21
	CB03 B - VHH	µg/l	19	1	3.19	± 0.526	1.77	4.7	0.765	24
1,2-Dichloroethane	CB03 A - VHH	µg/l	20	1	3.63	± 0.376	2.38	4.53	0.56	15
	CB03 B - VHH	µg/l	21	0	4.53	± 0.5	2.98	6.15	0.763	17
Bromodichloromethane	CB03 A - VHH	µg/l	0	0	-	± -	-	-	-	-
	CB03 B - VHH	µg/l	16	5	3.64	± 0.155	3.38	4.1	0.207	5.7
cis-1,2-Dichloroethene	CB03 A - VHH	µg/l	0	0	-	± -	-	-	-	-
	CB03 B - VHH	µg/l	18	2	2.28	± 0.153	1.75	2.55	0.216	9.5
Dibromochloromethane	CB03 A - VHH	µg/l	20	1	1.86	± 0.205	1.11	2.4	0.306	16
	CB03 B - VHH	µg/l	19	2	7.77	± 0.699	5.96	9.9	1.01	13
Dichloromethane	CB03 A - VHH	µg/l	19	1	2.85	± 0.381	1.63	4	0.553	19
	CB03 B - VHH	µg/l	19	1	5.09	± 0.563	3.01	6.2	0.818	16
Tetrachloroethene	CB03 A - VHH	µg/l	23	0	7.59	± 0.775	5.43	10.8	1.24	16

Summary of results, after removal of outliers: Volatile halogenated hydrocarbons (VHH) and BTEX/MTBE - CB03

Parameter	Sample	Unit	Number of results for calculation	Number of outliers	Mean	± CI (99%)	Minimum	Maximum	SD	RSD %
Tetrachloroethene	CB03 B - VHH	µg/l	22	1	1.3	± 0.151	0.707	1.73	0.236	18
Tetrachloromethane	CB03 A - VHH	µg/l	18	2	0.628	± 0.0852	0.44	0.87	0.12	19
	CB03 B - VHH	µg/l	21	0	2.61	± 0.367	1.61	3.7	0.56	21
trans-1,2-Dichloroethene	CB03 A - VHH	µg/l	19	1	0.499	± 0.0904	0.135	0.76	0.131	26
	CB03 B - VHH	µg/l	20	1	5.45	± 0.909	2.41	8.32	1.36	25
Tribromomethane	CB03 A - VHH	µg/l	18	2	3.6	± 0.291	2.53	4.28	0.411	11
	CB03 B - VHH	µg/l	20	0	6.24	± 0.565	4.43	7.38	0.842	14
Trichloroethene	CB03 A - VHH	µg/l	22	0	1.56	± 0.186	0.763	2.1	0.291	19
	CB03 B - VHH	µg/l	22	0	5.72	± 0.642	3.57	7.31	1	18
Trichloromethane	CB03 A - VHH	µg/l	19	3	6.75	± 0.531	4.79	8	0.771	11
	CB03 B - VHH	µg/l	21	1	7.72	± 0.884	4.62	9.8	1.35	17

## 7 Parameter oriented report

Benzene .....	14
Ethylbenzene .....	22
o-Xylene .....	28
Sum of m-Xylene and p-Xylene .....	36
Toluene .....	44
Methyl-tertiary-butyl ether .....	52
1,1,1-Trichloroethane .....	60
1,1-Dichloroethene .....	68
1,2-Dichloroethane .....	76
Bromdichloromethane .....	84
cis-1,2-Dichloroethene .....	90
Dibromochloromethane .....	96
Dichloromethane .....	104
Tetrachloroethene .....	112
Tetrachloromethane .....	120
trans-1,2-Dichloroethene .....	128
Tribromomethane .....	136
Trichloroethene .....	144
Trichloromethane .....	152

Parameter oriented report Volatile halogenated hydrocarbons (VHH) and BTEX/MTBE - CB03

Sample: CB03ABTX, Parameter: Benzene

## Parameter oriented report

### CB03 A - BTEX/MTBE

#### Benzene

Unit	µg/l
Mean ± CI (99%)	0.918 ± 0.0988
Minimum - Maximum	0.73 - 1.2
Control test value ± U	0.912 ± 0.0518

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	1.1	0.03	120	1.43	
LC0002	1.5	0.18	163	4.57	H
LC0004	0.906	0.136	98.7	-0.09	
LC0005	1.2	0.15	131	2.21	
LC0006	-	-	-	-	
LC0007	0.87	0.2	94.8	-0.38	
LC0008	0.88	0.18	95.9	-0.3	
LC0009	0.76	0.15	82.8	-1.24	
LC0010	0.824	0.165	89.8	-0.74	
LC0012	1.66	-	181	5.82	H
LC0013	0.85	0.17	92.6	-0.53	
LC0014	0.91	0.209	99.1	-0.06	
LC0017	0.86	-	93.7	-0.46	
LC0018	0.91	0.27	99.1	-0.06	
LC0021	0.73	0.07	79.5	-1.47	
LC0022	1.08	0.32	118	1.27	
LC0024	1	-	109	0.64	
LC0026	0.89	0.2	96.9	-0.22	

#### Characteristics of parameter

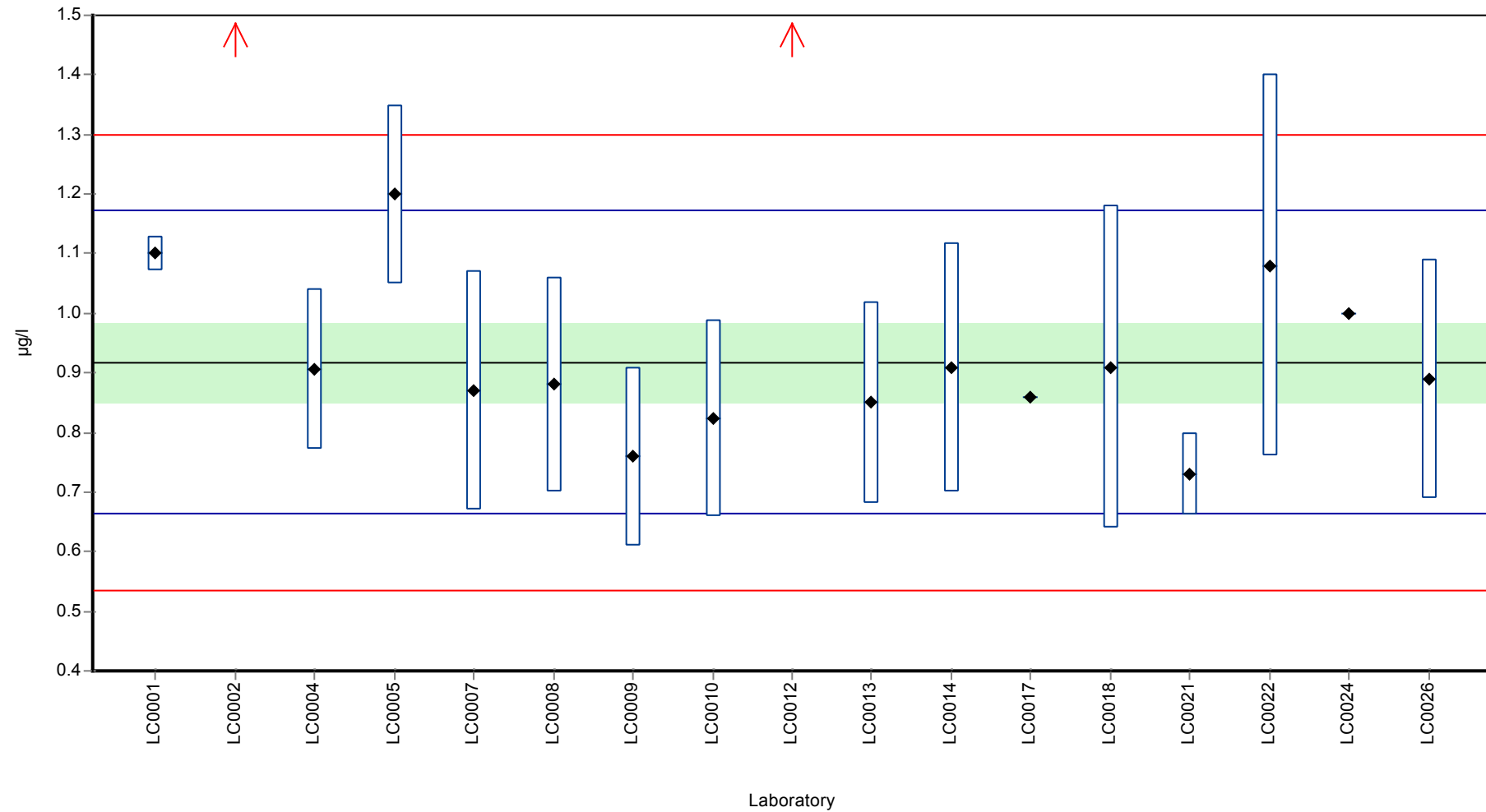
	all results	without outliers	Unit
Mean ± CI (99%)	0.996 ± 0.183	0.918 ± 0.0988	µg/l
Minimum	0.73	0.73	µg/l
Maximum	1.66	1.2	µg/l
Standard deviation	0.252	0.127	µg/l
rel. Standard deviation	25.3	13.9	%
n	17	15	-

Parameter oriented report Volatile halogenated hydrocarbons (VHH) and BTEX/MTBE - CB03

Sample: CB03ABTX, Parameter: Benzene

Graphical presentation of results

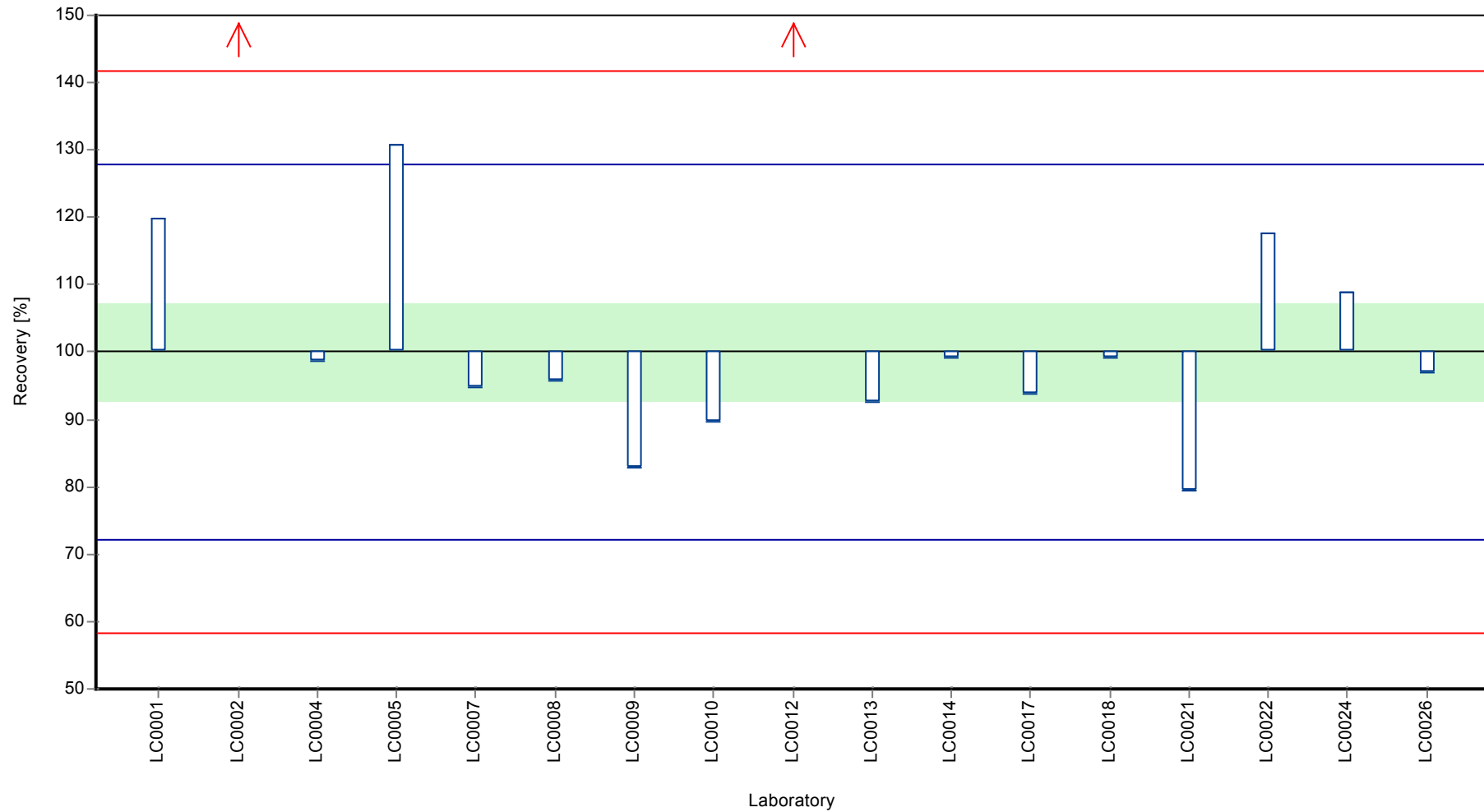
Results



Parameter oriented report Volatile halogenated hydrocarbons (VHH) and BTEX/MTBE - CB03

Sample: CB03ABTX, Parameter: Benzene

**Recovery rate**

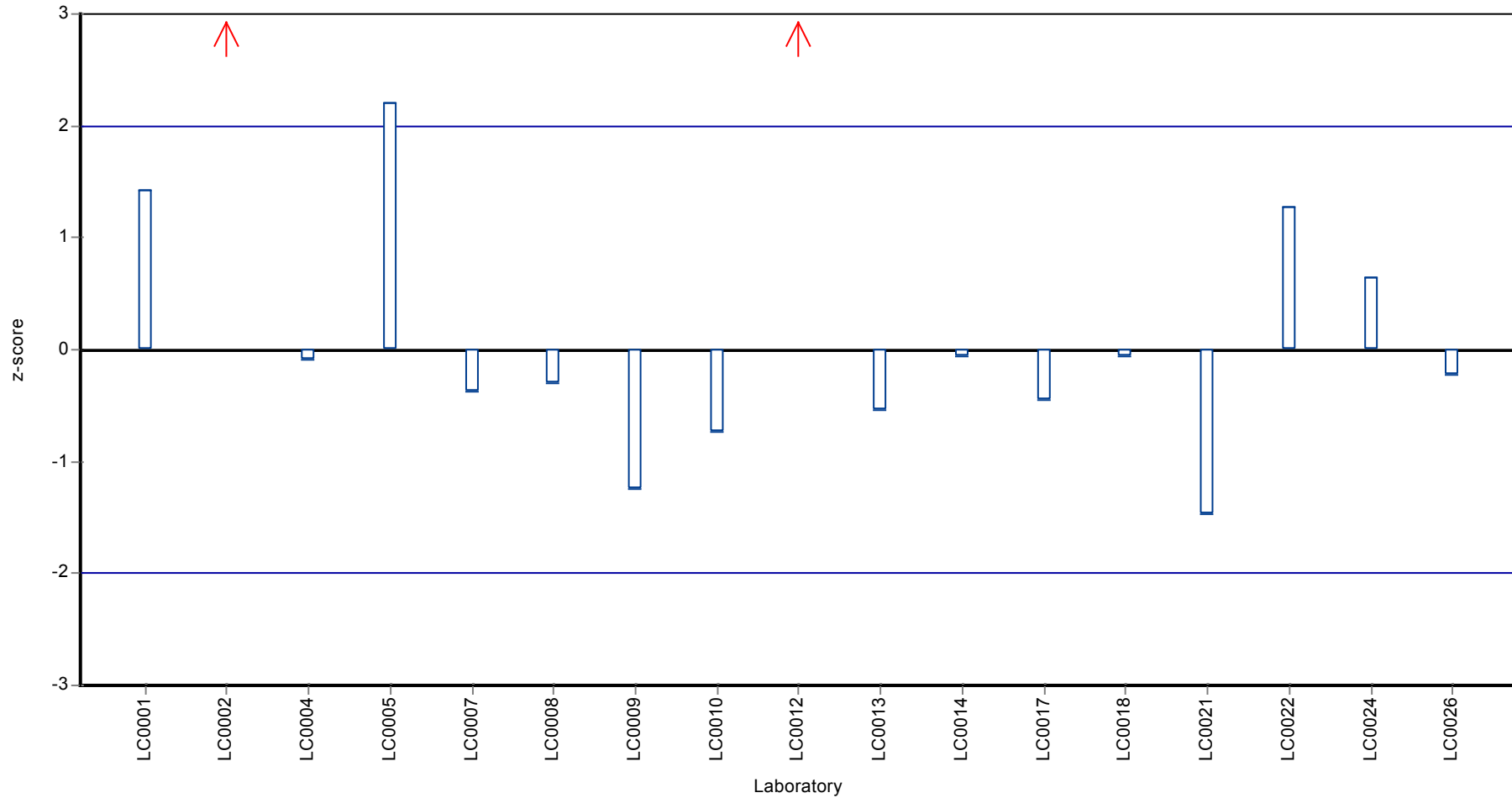




Parameter oriented report Volatile halogenated hydrocarbons (VHH) and BTEX/MTBE - CB03

Sample: CB03ABTX, Parameter: Benzene

**Z-score**



## Parameter oriented report

### CB03 B - BTEX/MTBE

#### Benzene

Unit	µg/l
Mean ± CI (99%)	5.61 ± 0.454
Minimum - Maximum	4.76 - 7
Control test value ± U	6.03 ± 0.669

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	6	0.2	107	0.69	
LC0002	5.5	0.55	98	-0.2	
LC0004	4.822	0.723	86	-1.39	
LC0005	5.73	0.76	102	0.21	
LC0006	-	-	-	-	
LC0007	5.32	0.7	94.8	-0.51	
LC0008	5.33	1.07	95	-0.49	
LC0009	7	1.4	125	2.45	
LC0010	8.777	1.755	156	5.59	H
LC0012	0.92	-	16.4	-8.28	H
LC0013	5.66	1.13	101	0.09	
LC0014	5.94	1.366	106	0.58	
LC0017	5.9	-	105	0.51	
LC0018	5.06	1.51	90.2	-0.97	
LC0021	4.76	0.5	84.8	-1.5	
LC0022	5.82	1.75	104	0.37	
LC0024	3.3	-	58.8	-4.08	H
LC0026	5.7	1.2	102	0.16	

#### Characteristics of parameter

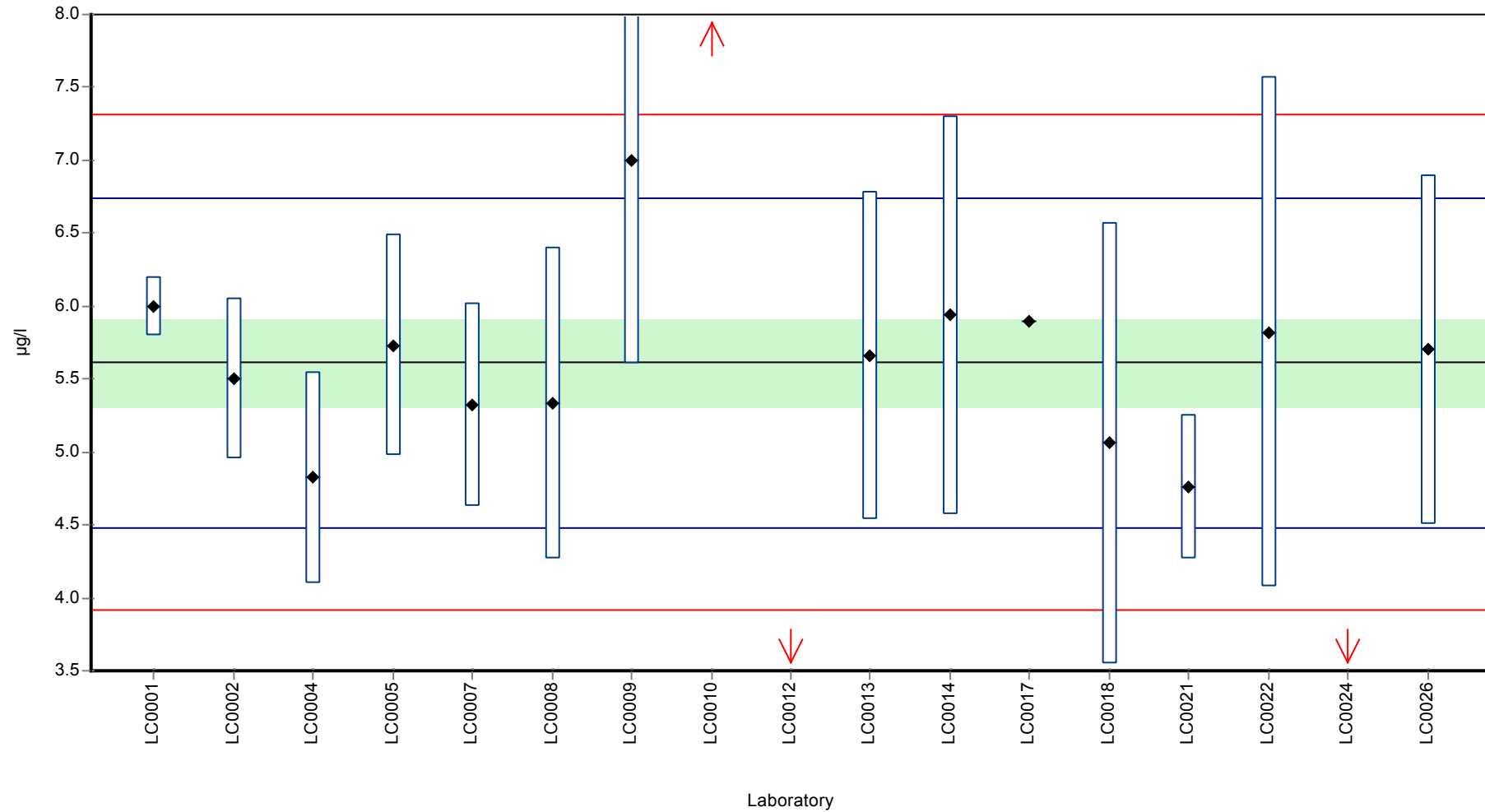
	all results	without outliers	Unit
Mean ± CI (99%)	5.38 ± 1.16	5.61 ± 0.454	µg/l
Minimum	0.92	4.76	µg/l
Maximum	8.78	7	µg/l
Standard deviation	1.59	0.566	µg/l
rel. Standard deviation	29.6	10.1	%
n	17	14	-

Parameter oriented report Volatile halogenated hydrocarbons (VHH) and BTEX/MTBE - CB03

Sample: CB03BBTX, Parameter: Benzene

Graphical presentation of results

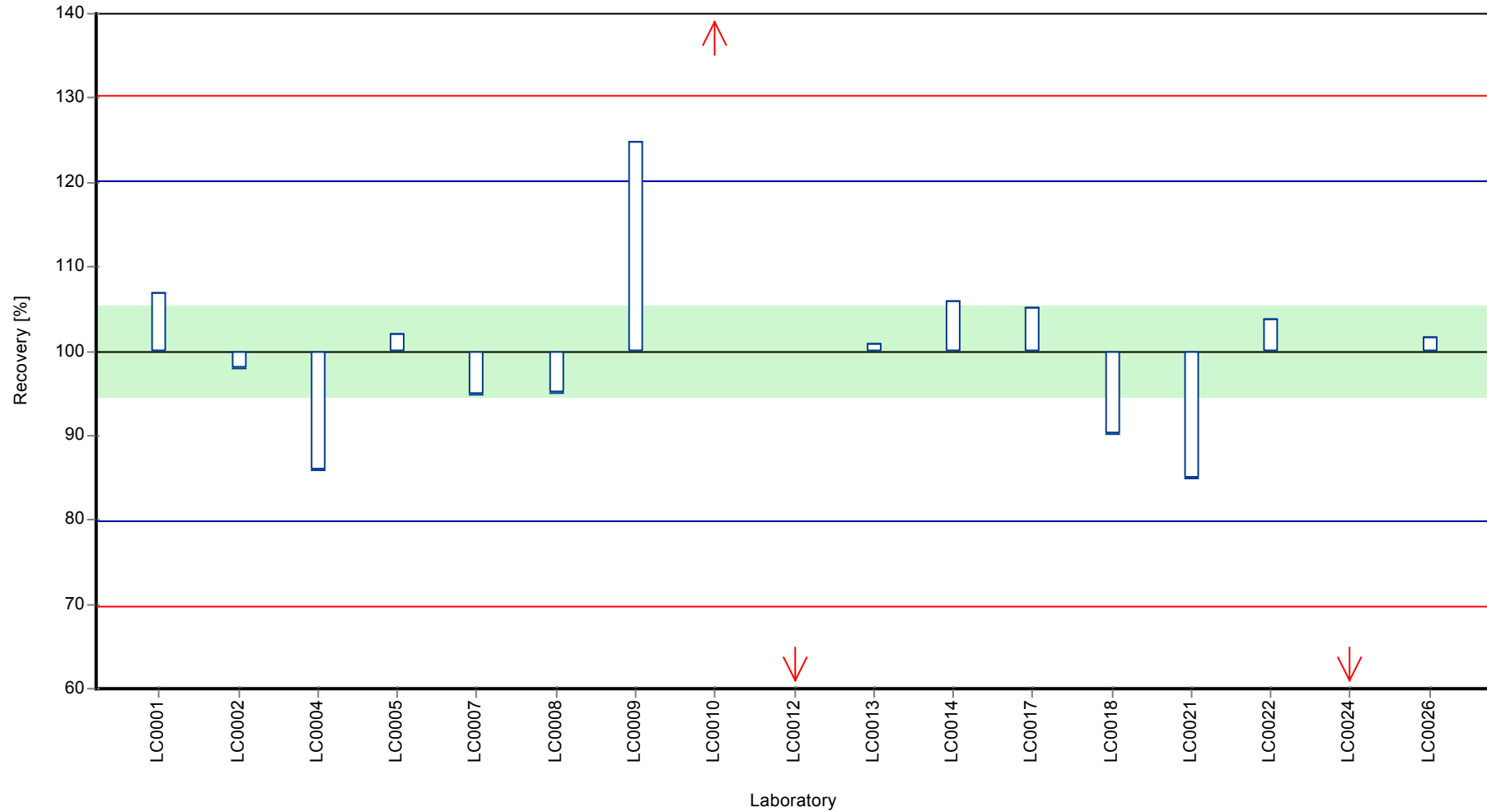
Results



Parameter oriented report Volatile halogenated hydrocarbons (VHH) and BTEX/MTBE - CB03

Sample: CB03BBTX, Parameter: Benzene

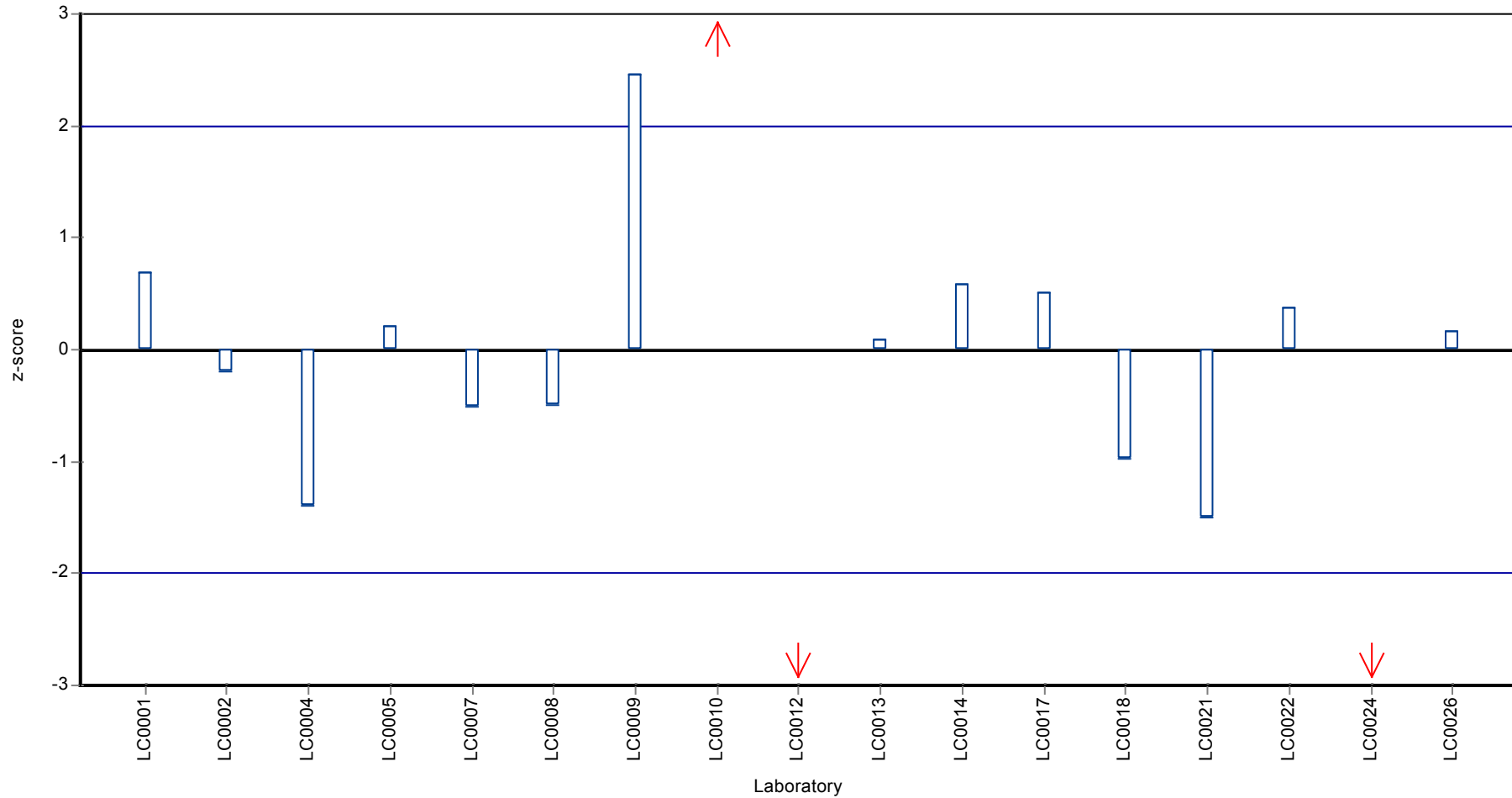
**Recovery rate**



Parameter oriented report Volatile halogenated hydrocarbons (VHH) and BTEX/MTBE - CB03

Sample: CB03BBTX, Parameter: Benzene

**Z-score**



Parameter oriented report Volatile halogenated hydrocarbons (VHH) and BTEX/MTBE - CB03

Sample: CB03ABTX, Parameter: Ethylbenzene

## Parameter oriented report

### CB03 A - BTEX/MTBE

#### Ethylbenzene

Unit	µg/l
Mean ± CI (99%)	-
Minimum - Maximum	1.06 - 3.64
Control test value ± U	<0.17 (LOD)

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	< 1 (LOQ)	-	-	-	
LC0002	< 0.1 (LOQ)	-	-	-	
LC0004	< 0.157 (LOQ)	-	-	-	
LC0005	< 0.25 (LOQ)	-	-	-	
LC0006	-	-	-	-	
LC0007	< 0.2 (LOQ)	-	-	-	
LC0008	< 0.05 (LOQ)	-	-	-	
LC0009	<0.1 (LOD)	-	-	-	
LC0010	1.062	0.212	-	-	FP
LC0012	3.64	-	-	-	FP
LC0013	< 0.05 (LOQ)	-	-	-	
LC0014	< 0.05 (LOQ)	-	-	-	
LC0017	< 0.1 (LOQ)	-	-	-	
LC0018	1.41	0.42	-	-	FP
LC0021	< 0.1 (LOQ)	-	-	-	
LC0022	< 0.1 (LOQ)	-	-	-	
LC0024	< 1 (LOQ)	-	-	-	
LC0026	< 0.1 (LOQ)	-	-	-	

#### Characteristics of parameter

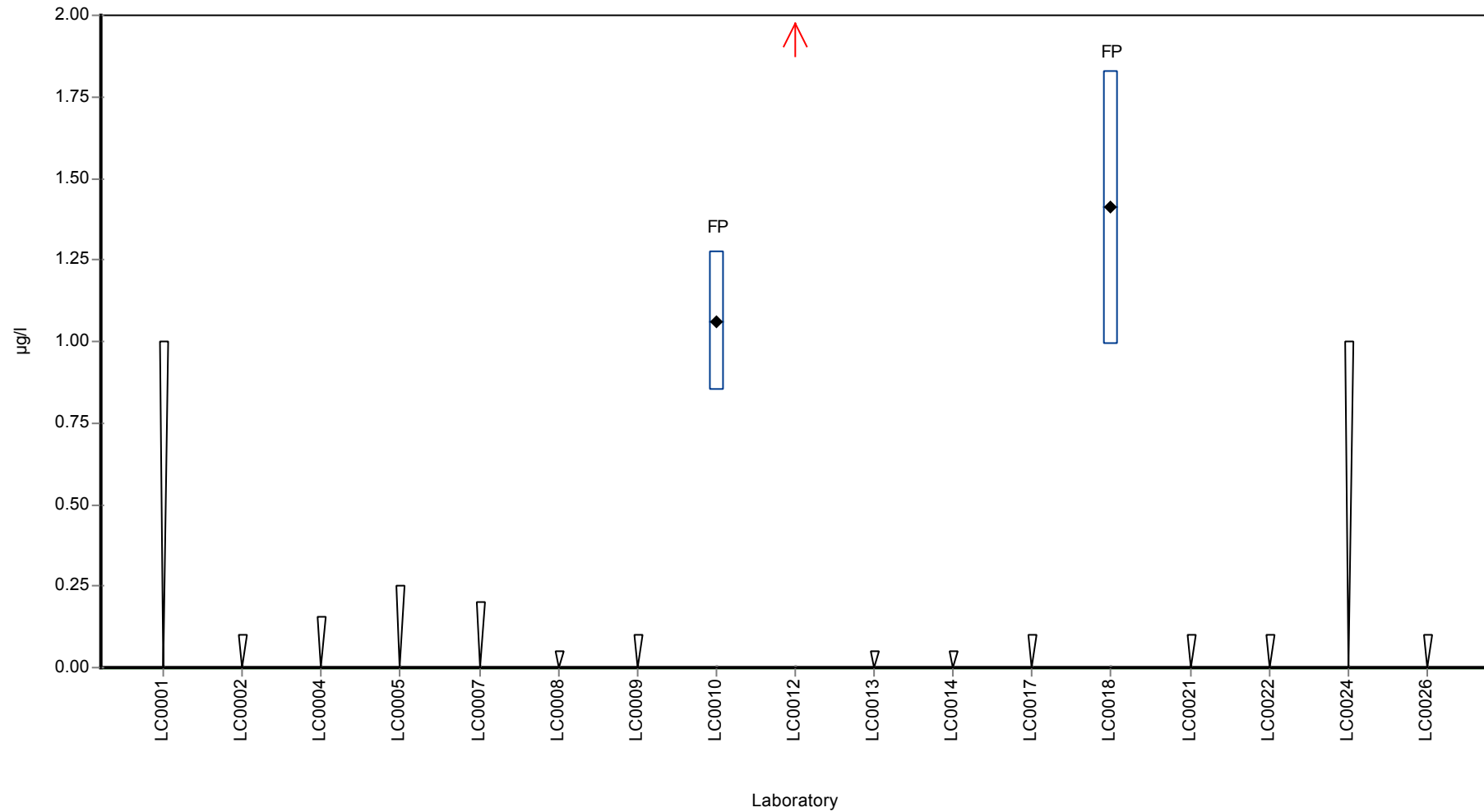
	all results	without outliers	Unit
Mean ± CI (99%)	2.04 ± 2.42	-	µg/l
Minimum	1.06	1.06	µg/l
Maximum	3.64	3.64	µg/l
Standard deviation	1.4	-	µg/l
rel. Standard deviation	68.7	-	%
n	3	3	-

Parameter oriented report Volatile halogenated hydrocarbons (VHH) and BTEX/MTBE - CB03

Sample: CB03ABTX, Parameter: Ethylbenzene

**Graphical presentation of results**

**Results**



Parameter oriented report Volatile halogenated hydrocarbons (VHH) and BTEX/MTBE - CB03

Sample: CB03BBTX, Parameter: Ethylbenzene

## Parameter oriented report

### CB03 B - BTEX/MTBE

#### Ethylbenzene

Unit	µg/l
Mean ± CI (99%)	0.665 ± 0.164
Minimum - Maximum	0.37 - 1.01
Control test value ± U	0.49 ± 0.128

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	< 1 (LOQ)	-	-	-	
LC0002	0.37	0.104	55.7	-1.44	
LC0004	0.785	0.118	118	0.59	
LC0005	0.6	0.075	90.3	-0.32	
LC0006	-	-	-	-	
LC0007	0.51	0.1	76.7	-0.76	
LC0008	0.38	0.08	57.2	-1.39	
LC0009	0.6	0.1	90.3	-0.32	
LC0010	0.936	0.187	141	1.32	
LC0012	1.01	-	152	1.68	
LC0013	0.7	0.14	105	0.17	
LC0014	0.665	0.153	100	0.00	
LC0017	0.82	-	123	0.76	
LC0018	< 0.4 (LOQ)	-	-	-	
LC0021	0.37	0.04	55.7	-1.44	
LC0022	0.79	0.24	119	0.61	
LC0024	< 1 (LOQ)	-	-	-	
LC0026	0.77	0.2	116	0.51	

#### Characteristics of parameter

	all results	without outliers	Unit
Mean ± CI (99%)	0.665 ± 0.164	0.665 ± 0.164	µg/l
Minimum	0.37	0.37	µg/l
Maximum	1.01	1.01	µg/l
Standard deviation	0.205	0.205	µg/l
rel. Standard deviation	30.8	30.8	%
n	14	14	-

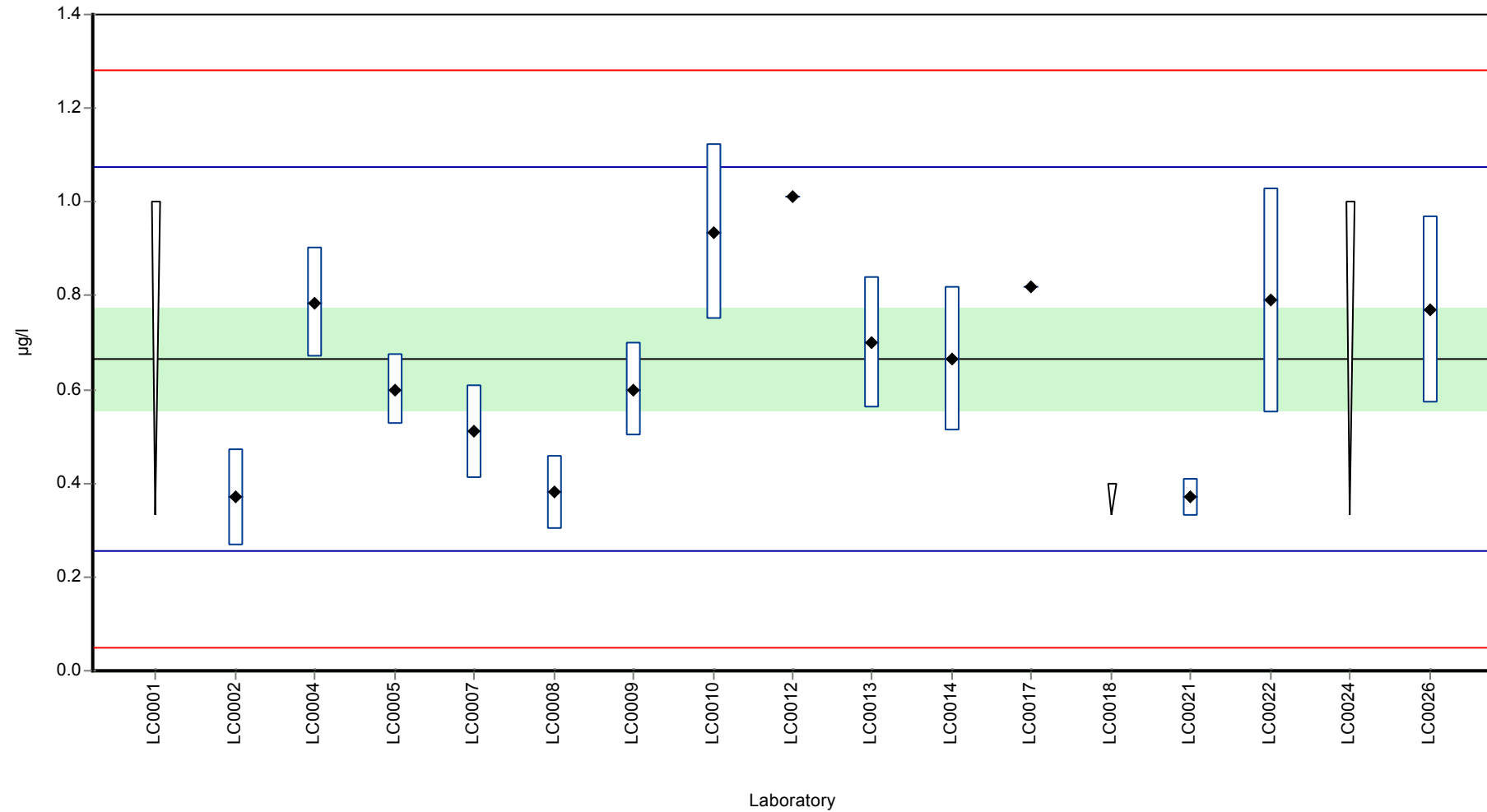


Parameter oriented report Volatile halogenated hydrocarbons (VHH) and BTEX/MTBE - CB03

Sample: CB03BBTX, Parameter: Ethylbenzene

Graphical presentation of results

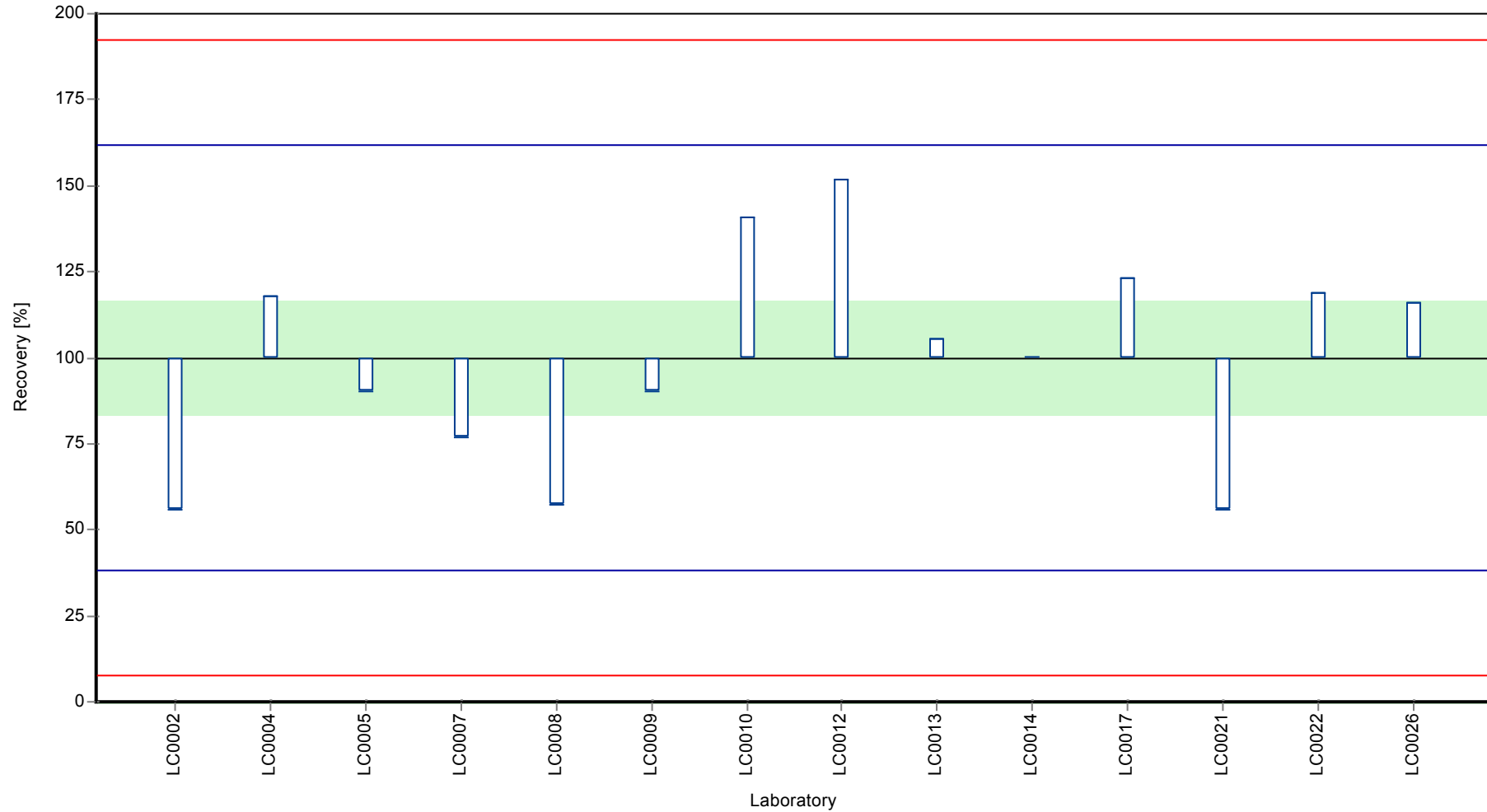
Results



Parameter oriented report Volatile halogenated hydrocarbons (VHH) and BTEX/MTBE - CB03

Sample: CB03BBTX, Parameter: Ethylbenzene

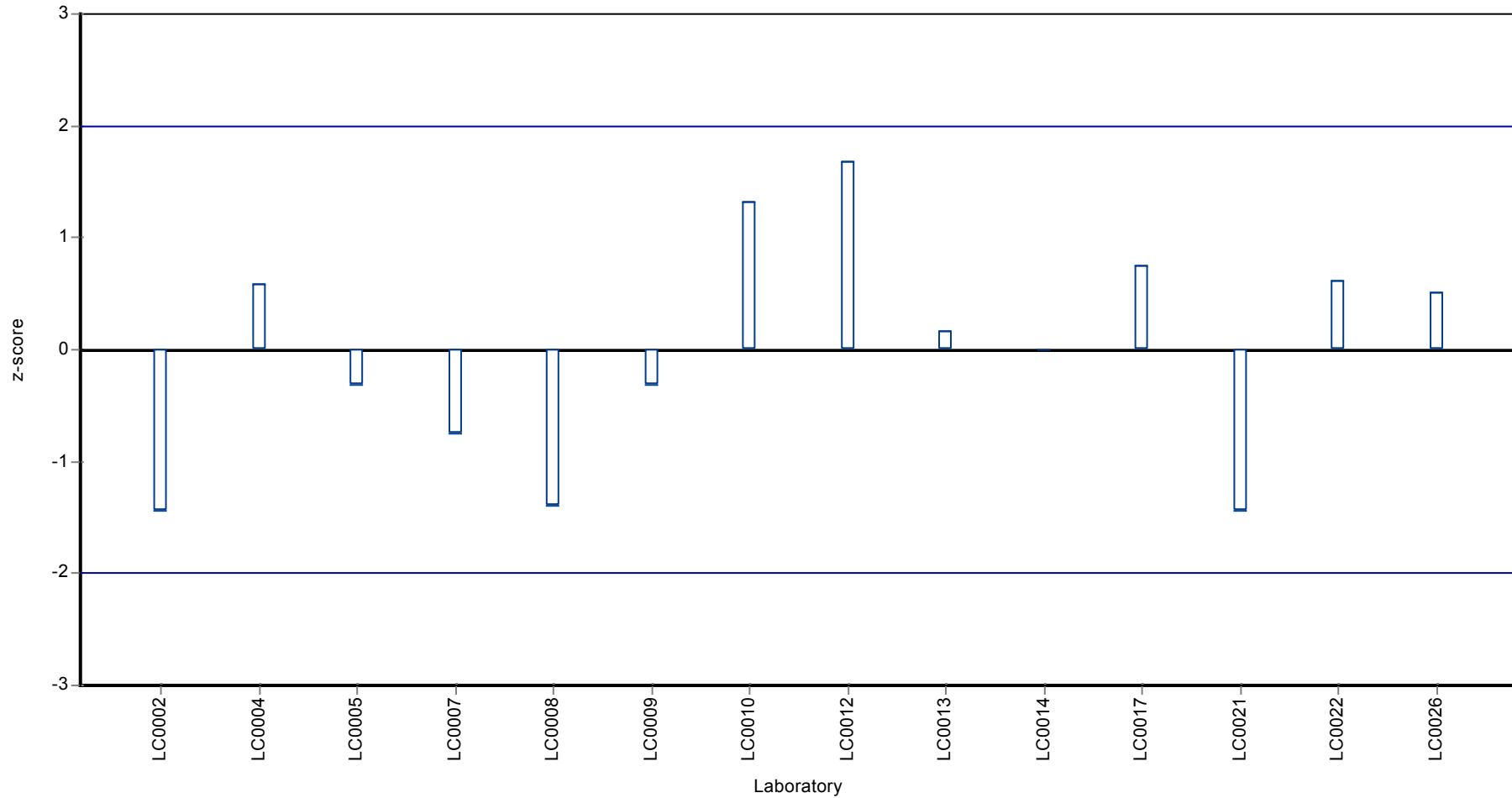
**Recovery rate**



Parameter oriented report Volatile halogenated hydrocarbons (VHH) and BTEX/MTBE - CB03

Sample: CB03BBTX, Parameter: Ethylbenzene

**Z-score**



Parameter oriented report Volatile halogenated hydrocarbons (VHH) and BTEX/MTBE - CB03

Sample: CB03ABTX, Parameter: o-Xylene

## Parameter oriented report

### CB03 A - BTEX/MTBE

#### o-Xylene

Unit	µg/l
Mean ± CI (99%)	0.539 ± 0.0556
Minimum - Maximum	0.44 - 0.69
Control test value ± U	0.532 ± 0.0434

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	< 1 (LOQ)	-	-	-	
LC0002	0.45	0.081	83.6	-1.32	
LC0004	0.591	0.089	110	0.78	
LC0005	0.56	0.07	104	0.32	
LC0006	-	-	-	-	
LC0007	0.69	0.2	128	2.26	
LC0008	0.44	0.09	81.7	-1.47	
LC0009	0.5	0.1	92.8	-0.58	
LC0010	1.744	0.348	324	18	H
LC0012	1.74	-	323	18	H
LC0013	0.52	0.1	96.6	-0.28	
LC0014	0.53	0.127	98.4	-0.13	
LC0017	0.59	-	110	0.77	
LC0018	0.52	0.15	96.6	-0.28	
LC0021	0.49	0.05	91	-0.73	
LC0022	0.59	0.18	110	0.77	
LC0024	1	-	186	6.9	H
LC0026	0.53	0.1	98.4	-0.13	

#### Characteristics of parameter

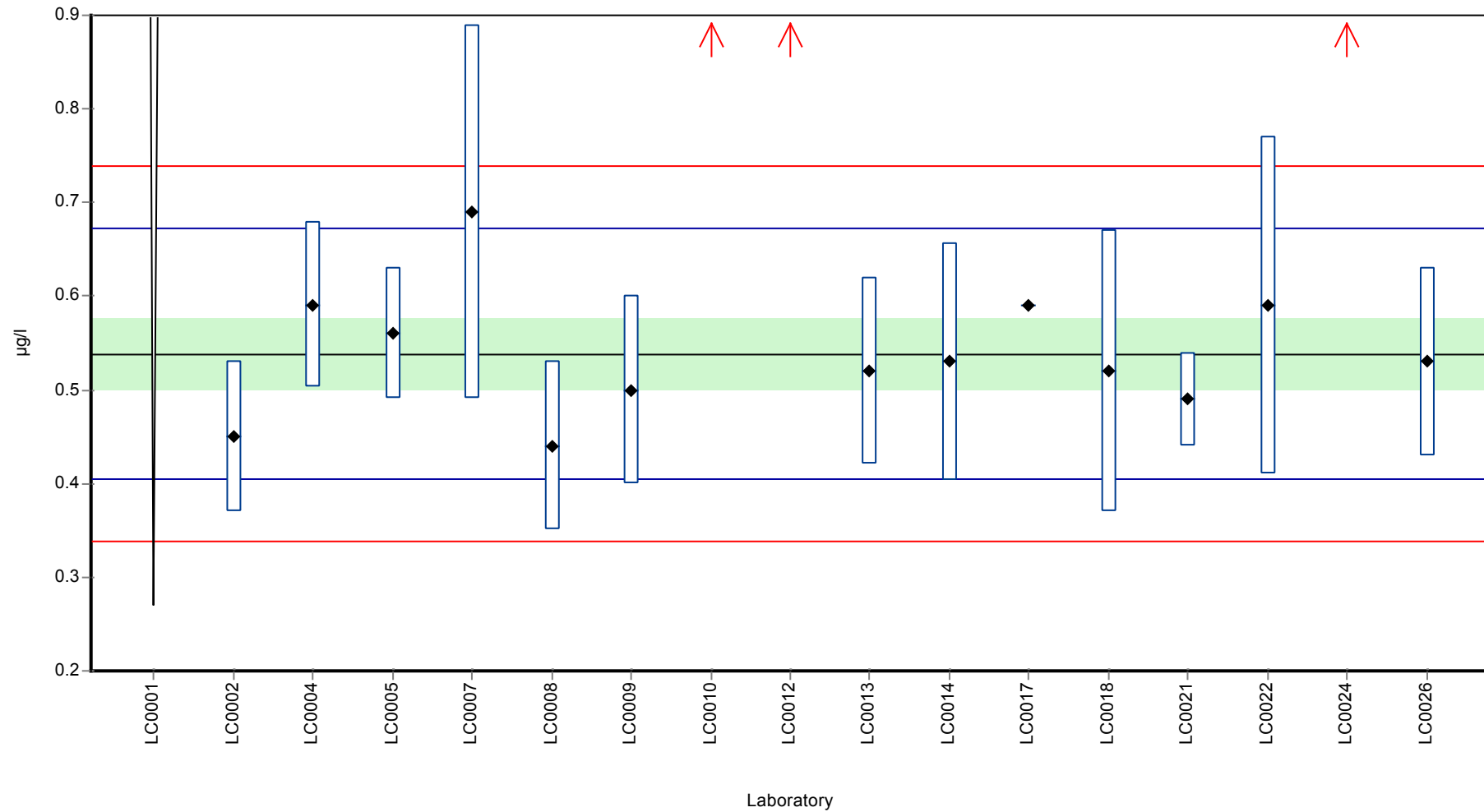
	all results	without outliers	Unit
Mean ± CI (99%)	0.718 ± 0.315	0.539 ± 0.0556	µg/l
Minimum	0.44	0.44	µg/l
Maximum	1.74	0.69	µg/l
Standard deviation	0.42	0.0669	µg/l
rel. Standard deviation	58.5	12.4	%
n	16	13	-

Parameter oriented report Volatile halogenated hydrocarbons (VHH) and BTEX/MTBE - CB03

Sample: CB03ABTX, Parameter: o-Xylene

**Graphical presentation of results**

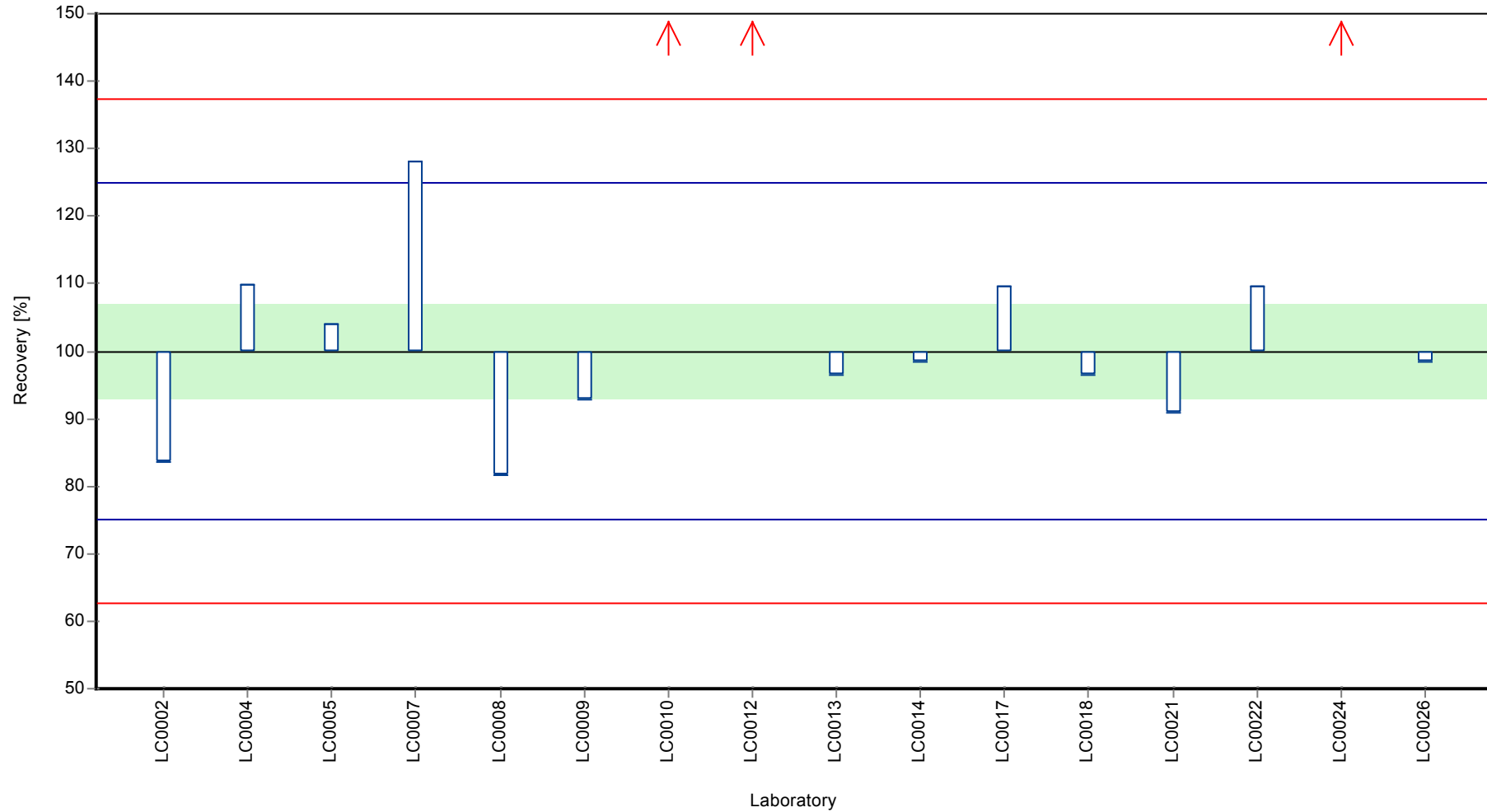
**Results**



Parameter oriented report Volatile halogenated hydrocarbons (VHH) and BTEX/MTBE - CB03

Sample: CB03ABTX, Parameter: o-Xylene

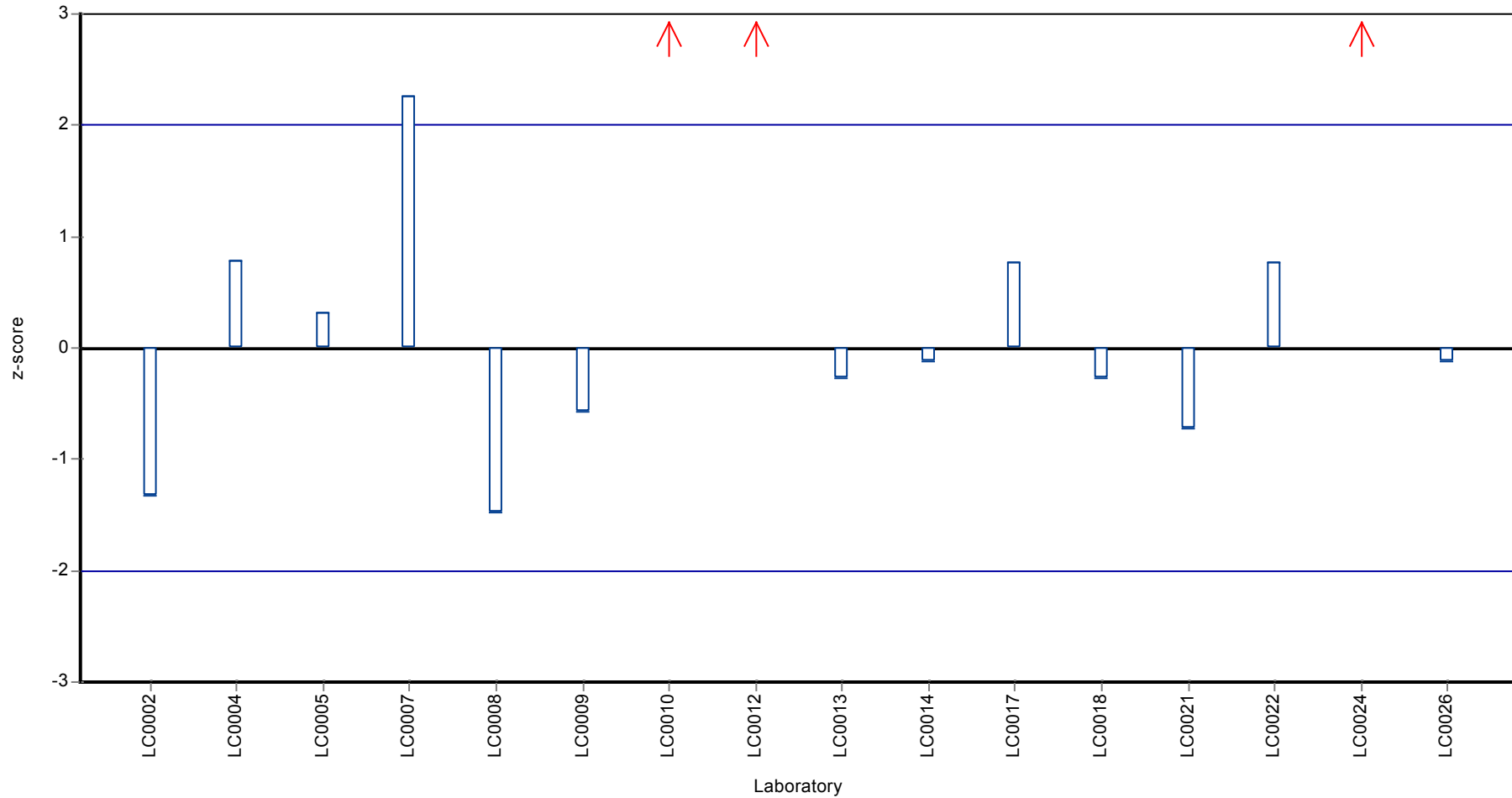
**Recovery rate**



Parameter oriented report Volatile halogenated hydrocarbons (VHH) and BTEX/MTBE - CB03

Sample: CB03ABTX, Parameter: o-Xylene

**Z-score**



Parameter oriented report Volatile halogenated hydrocarbons (VHH) and BTEX/MTBE - CB03

Sample: CB03BBTX, Parameter: o-Xylene

## Parameter oriented report

### CB03 B - BTEX/MTBE

#### o-Xylene

Unit	µg/l
Mean ± CI (99%)	3.47 ± 0.895
Minimum - Maximum	0.98 - 6.08
Control test value ± U	3.8 ± 0.691

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	1.7	0.05	49	-1.44	
LC0002	3.2	0.61	92.3	-0.22	
LC0004	3.519	0.528	101	0.04	
LC0005	3.79	0.55	109	0.26	
LC0006	-	-	-	-	
LC0007	4.4	0.6	127	0.76	
LC0008	2.97	0.59	85.6	-0.4	
LC0009	4.6	0.9	133	0.92	
LC0010	6.083	1.216	175	2.13	
LC0012	0.98	-	28.3	-2.02	
LC0013	4.23	0.85	122	0.62	
LC0014	3.97	0.953	114	0.41	
LC0017	4.07	-	117	0.49	
LC0018	3.07	0.92	88.5	-0.32	
LC0021	2.96	0.3	85.4	-0.41	
LC0022	3.81	1.14	110	0.28	
LC0024	1.6	-	46.1	-1.52	
LC0026	4	0.8	115	0.43	

#### Characteristics of parameter

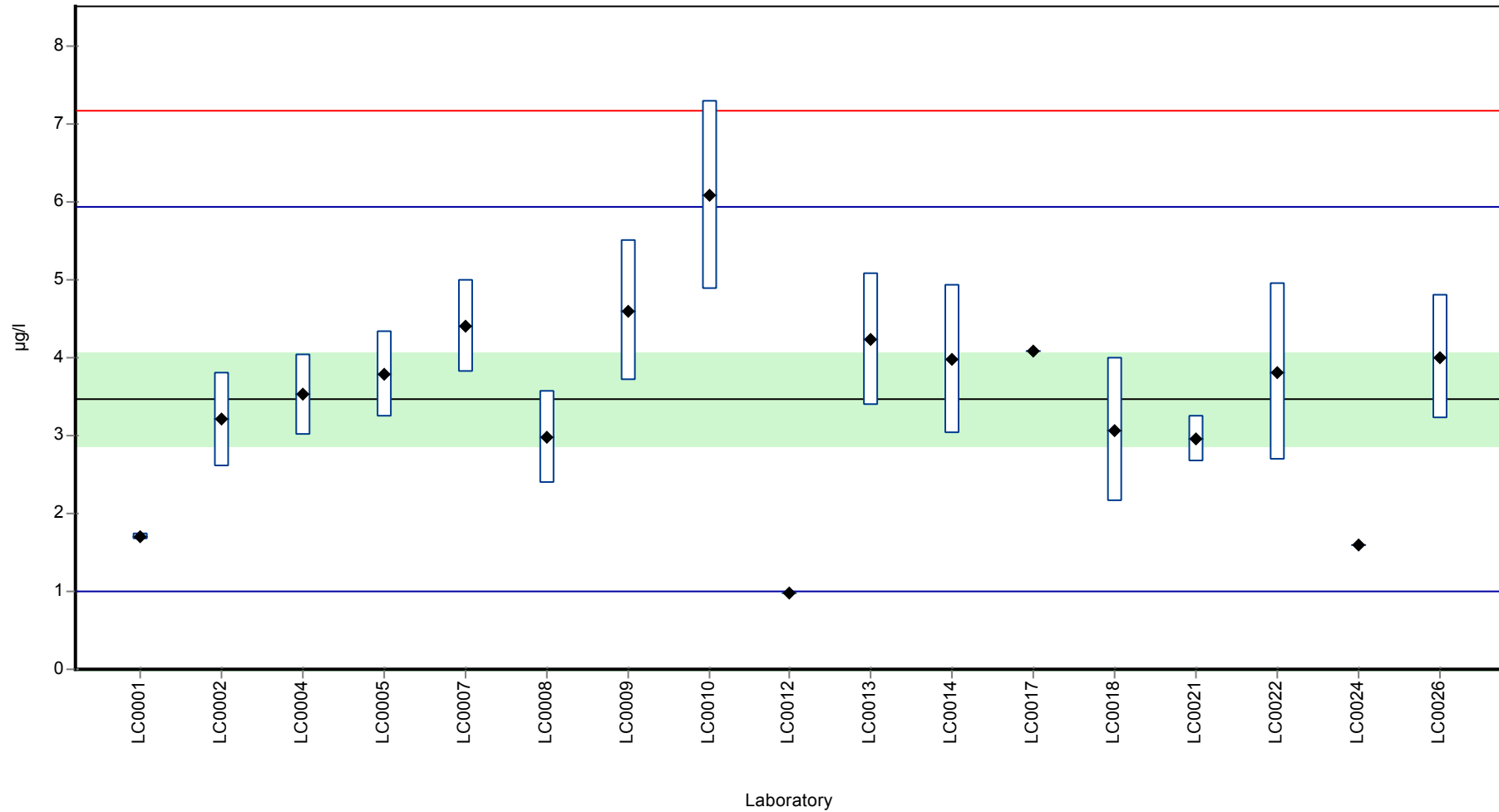
	all results	without outliers	Unit
Mean ± CI (99%)	3.47 ± 0.895	3.47 ± 0.895	µg/l
Minimum	0.98	0.98	µg/l
Maximum	6.08	6.08	µg/l
Standard deviation	1.23	1.23	µg/l
rel. Standard deviation	35.5	35.5	%
n	17	17	-



Parameter oriented report Volatile halogenated hydrocarbons (VHH) and BTEX/MTBE - CB03

Sample: CB03BBTX, Parameter: o-Xylene

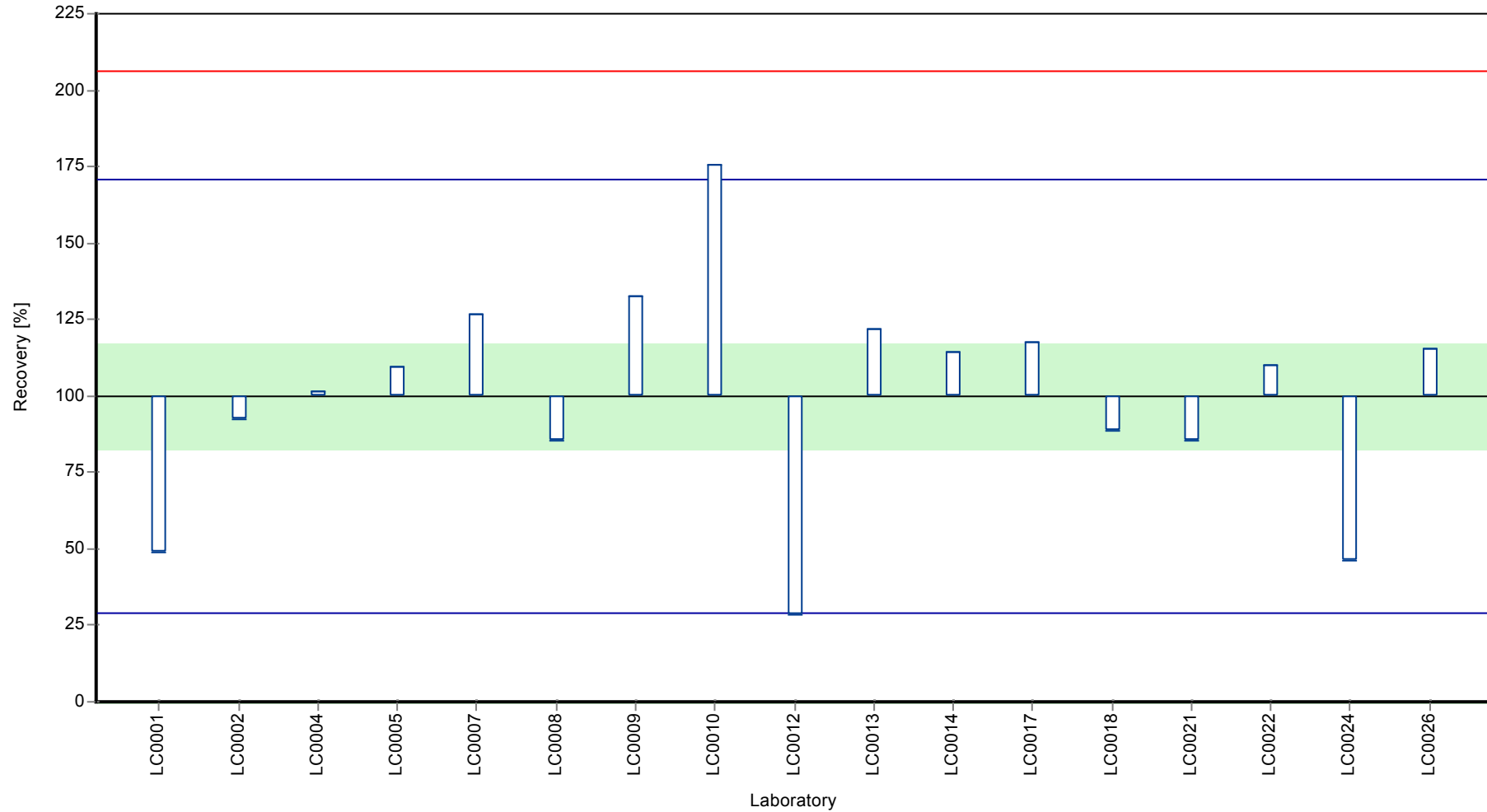
**Graphical presentation of results**  
**Results**



Parameter oriented report Volatile halogenated hydrocarbons (VHH) and BTEX/MTBE - CB03

Sample: CB03BBTX, Parameter: o-Xylene

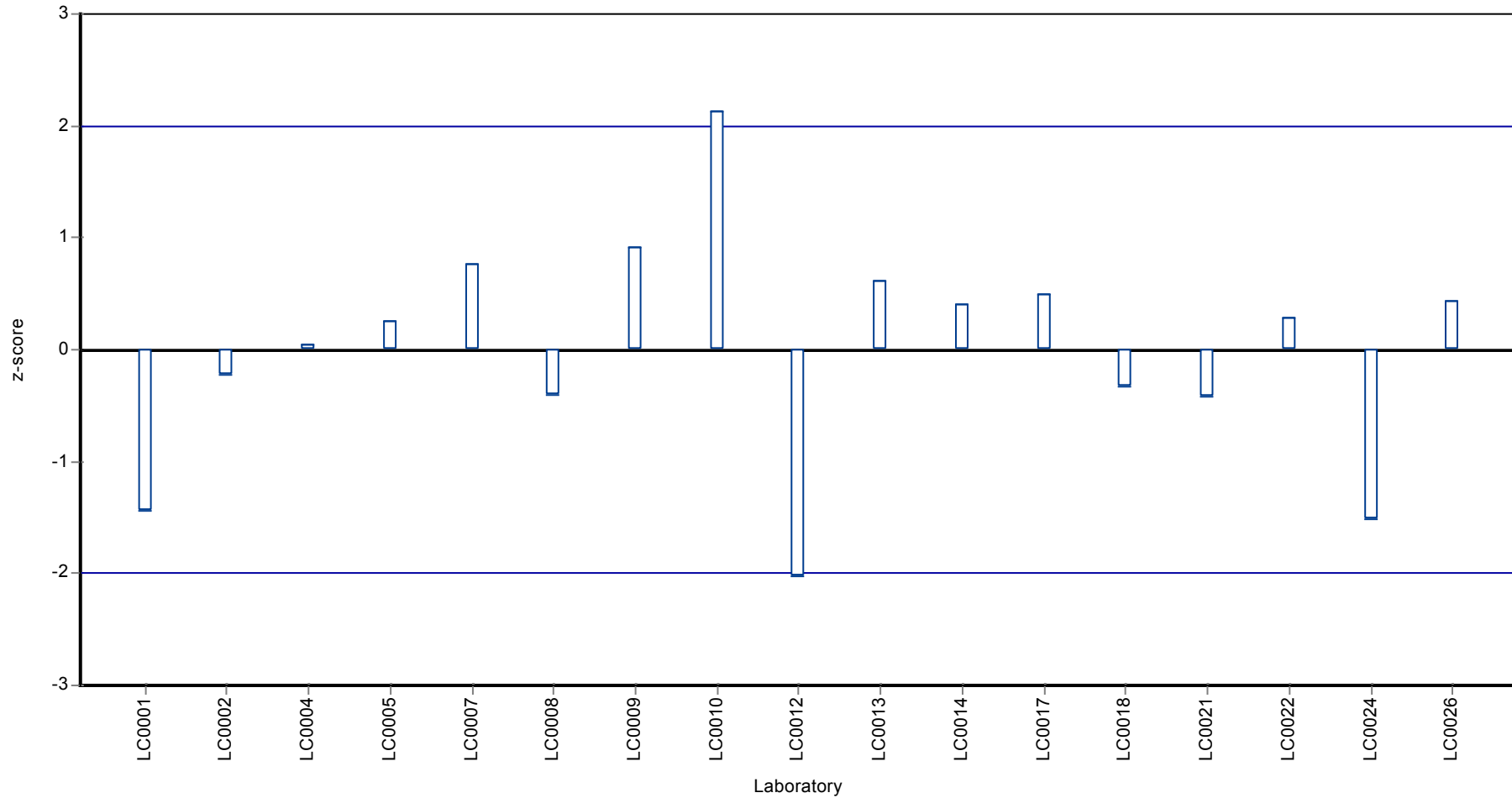
**Recovery rate**



Parameter oriented report Volatile halogenated hydrocarbons (VHH) and BTEX/MTBE - CB03

Sample: CB03BBTX, Parameter: o-Xylene

**Z-score**



Parameter oriented report Volatile halogenated hydrocarbons (VHH) and BTEX/MTBE - CB03

Sample: CB03ABTX, Parameter: Sum of m-Xylene and p-Xylene

## Parameter oriented report

### CB03 A - BTEX/MTBE

#### Sum of m-Xylene and p-Xylene

Unit	µg/l
Mean ± CI (99%)	1.77 ± 0.272
Minimum - Maximum	1 - 2.24
Control test value ± U	1.71 ± 0.163

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	1	0.03	56.5	-2.19	
LC0002	1.2	0.18	67.8	-1.63	
LC0004	2.119	0.318	120	0.99	
LC0005	1.84	0.22	104	0.2	
LC0006	-	-	-	-	
LC0007	2.24	0.3	127	1.34	
LC0008	1.49	0.3	84.2	-0.8	
LC0009	1.56	0.31	88.1	-0.6	
LC0010	< 0.5 (LOQ)	-	-	-	FN
LC0012	-	-	-	-	
LC0013	1.8	0.36	102	0.08	
LC0014	1.84	0.57	104	0.2	
LC0017	2.03	-	115	0.74	
LC0018	1.77	0.53	100	0.00	
LC0021	1.58	0.02	89.2	-0.54	
LC0022	2.09	0.63	118	0.91	
LC0024	1.9	-	107	0.37	
LC0026	2.1	0.5	119	0.94	

#### Characteristics of parameter

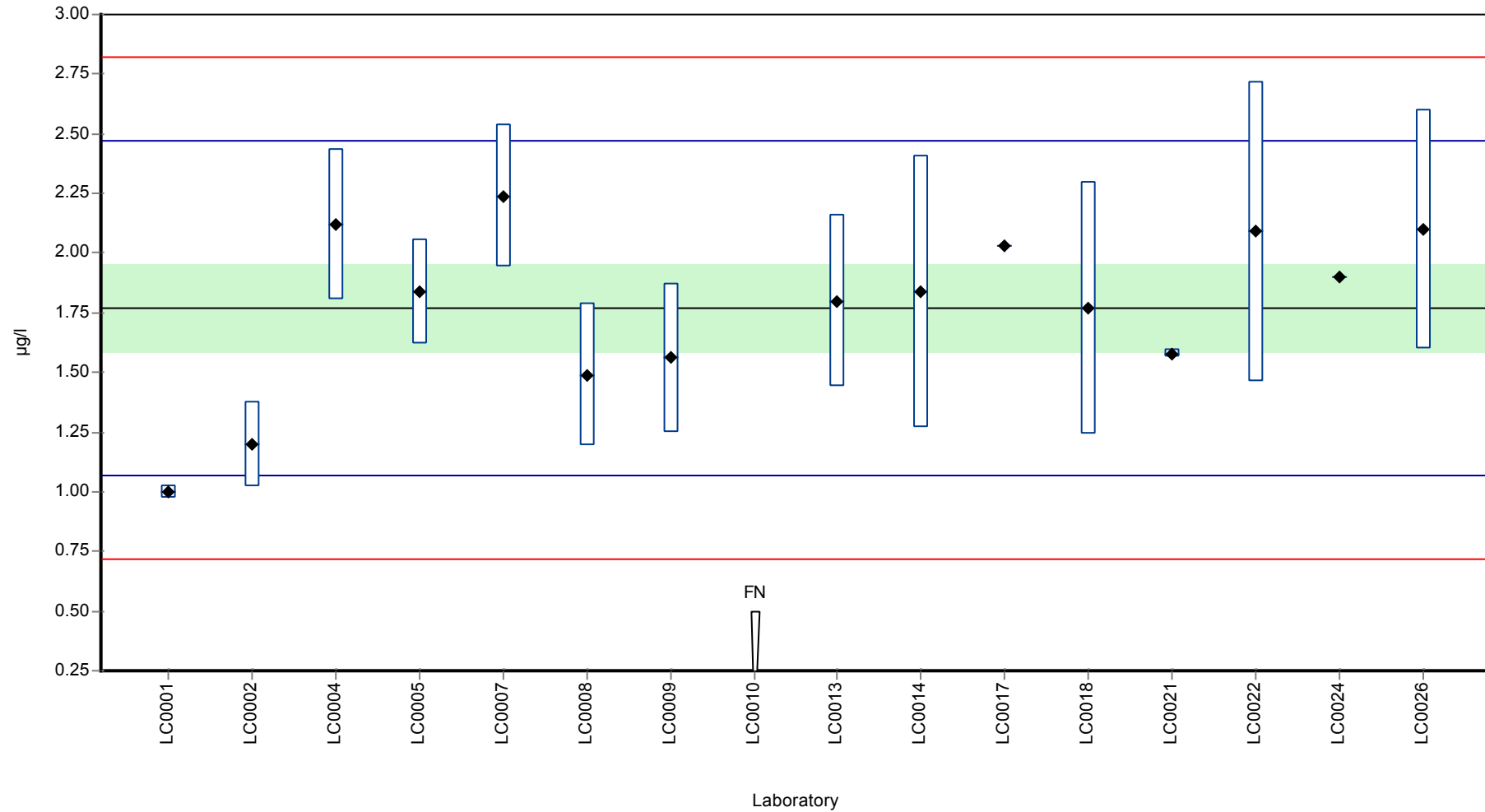
	all results	without outliers	Unit
Mean ± CI (99%)	1.77 ± 0.272	1.77 ± 0.272	µg/l
Minimum	1	1	µg/l
Maximum	2.24	2.24	µg/l
Standard deviation	0.351	0.351	µg/l
rel. Standard deviation	19.8	19.8	%
n	15	15	-

Parameter oriented report Volatile halogenated hydrocarbons (VHH) and BTEX/MTBE - CB03

Sample: CB03ABTX, Parameter: Sum of m-Xylene and p-Xylene

Graphical presentation of results

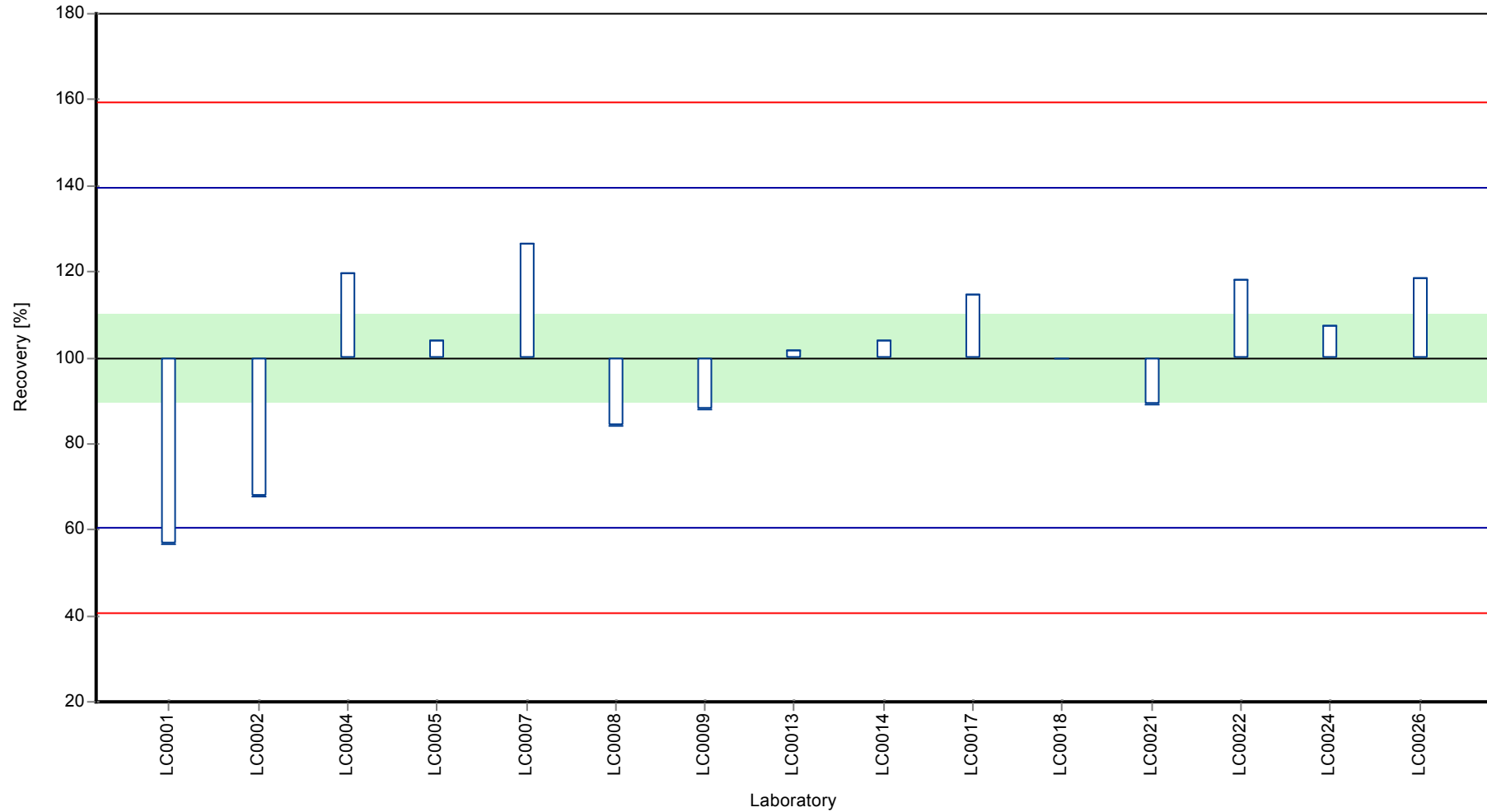
Results



Parameter oriented report Volatile halogenated hydrocarbons (VHH) and BTEX/MTBE - CB03

Sample: CB03ABTX, Parameter: Sum of m-Xylene and p-Xylene

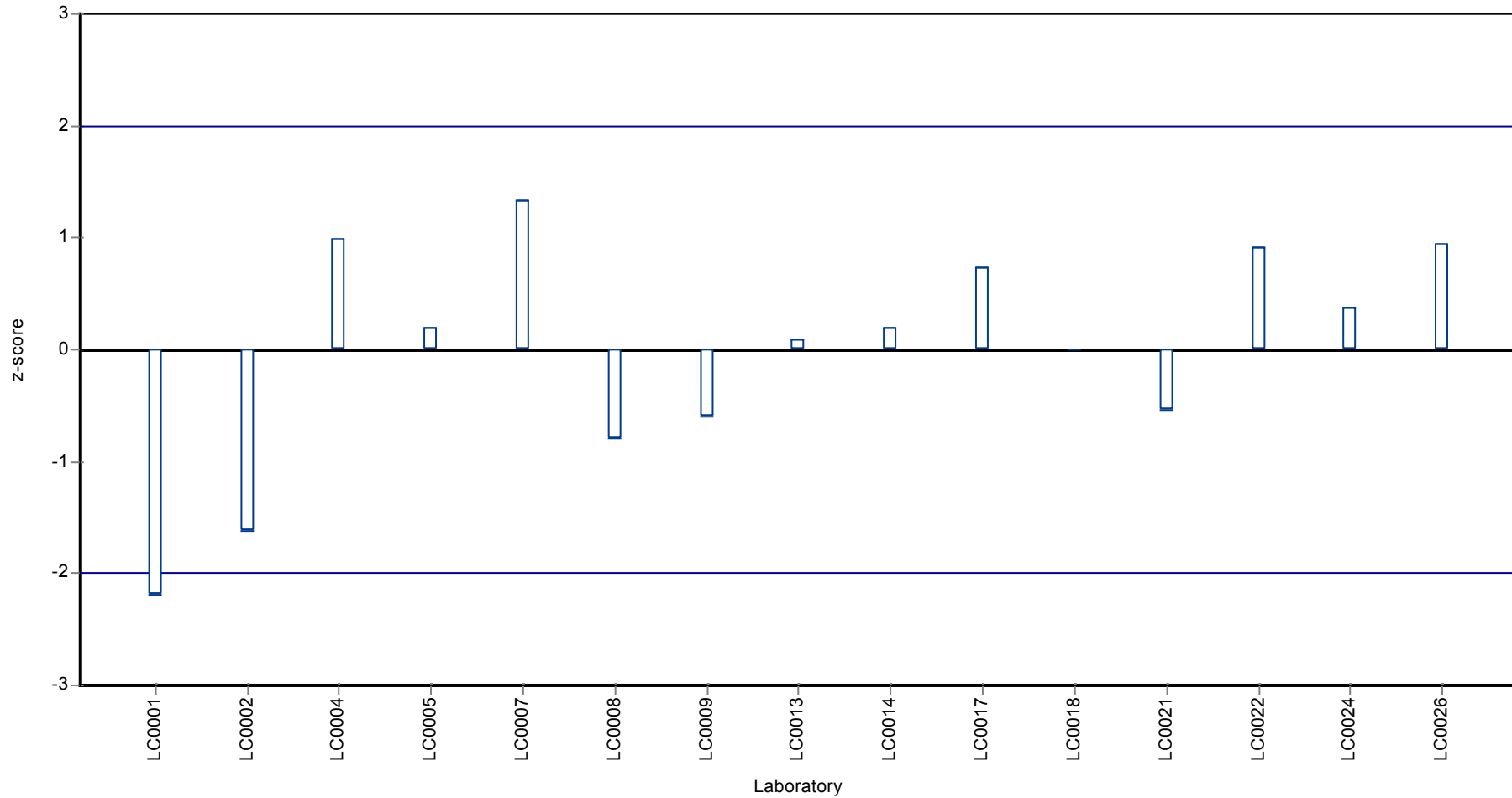
**Recovery rate**



Parameter oriented report Volatile halogenated hydrocarbons (VHH) and BTEX/MTBE - CB03

Sample: CB03ABTX, Parameter: Sum of m-Xylene and p-Xylene

**Z-score**



Parameter oriented report Volatile halogenated hydrocarbons (VHH) and BTEX/MTBE - CB03

Sample: CB03BBTX, Parameter: Sum of m-Xylene and p-Xylene

## Parameter oriented report

### CB03 B - BTEX/MTBE

#### Sum of m-Xylene and p-Xylene

Unit	µg/l
Mean ± CI (99%)	4.1 ± 0.219
Minimum - Maximum	3.77 - 4.5
Control test value ± U	-

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	< 1 (LOQ)	-	-	-	FN
LC0002	2.2	0.79	53.6	-8.67	H
LC0004	4.136	0.62	101	0.16	
LC0005	4.01	0.6	97.8	-0.42	
LC0006	-	-	-	-	
LC0007	3.86	0.5	94.1	-1.1	
LC0008	1.9	0.38	46.3	-10	H
LC0009	4.1	0.8	100	-0.01	
LC0010	< 0.5 (LOQ)	-	-	-	FN
LC0012	-	-	-	-	
LC0013	4.12	0.82	100	0.08	
LC0014	4.1	1.271	100	-0.01	
LC0017	4.32	-	105	0.99	
LC0018	< 0.8 (LOQ)	-	-	-	FN
LC0021	2.37	0.2	57.8	-7.9	H
LC0022	3.77	1.13	91.9	-1.51	
LC0024	< 1 (LOQ)	-	-	-	FN
LC0026	4.5	0.9	110	1.82	

#### Characteristics of parameter

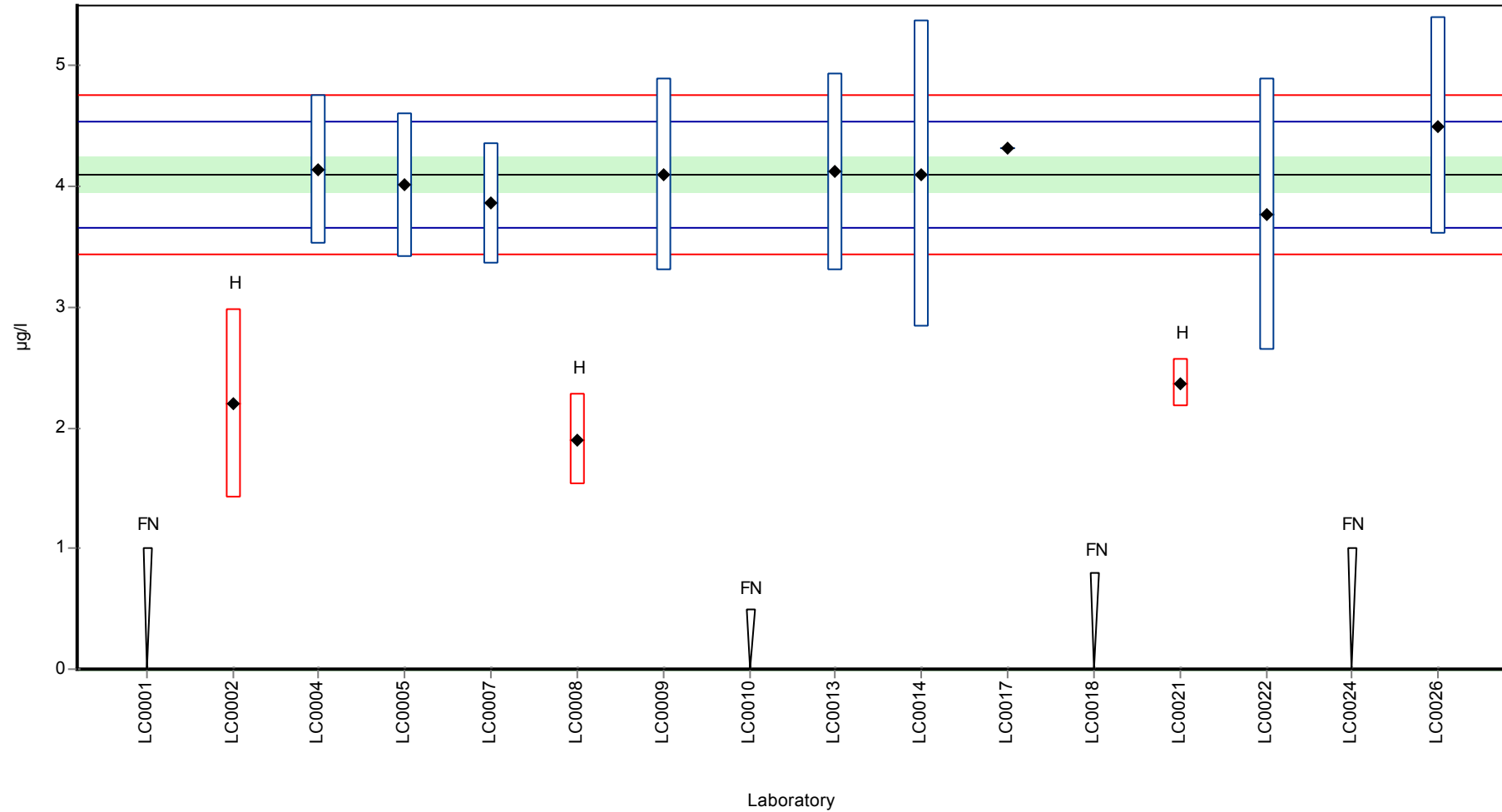
	all results	without outliers	Unit
Mean ± CI (99%)	3.62 ± 0.784	4.1 ± 0.219	µg/l
Minimum	1.9	3.77	µg/l
Maximum	4.5	4.5	µg/l
Standard deviation	0.905	0.219	µg/l
rel. Standard deviation	25	5.35	%
n	12	9	-



Parameter oriented report Volatile halogenated hydrocarbons (VHH) and BTEX/MTBE - CB03

Sample: CB03BBTX, Parameter: Sum of m-Xylene and p-Xylene

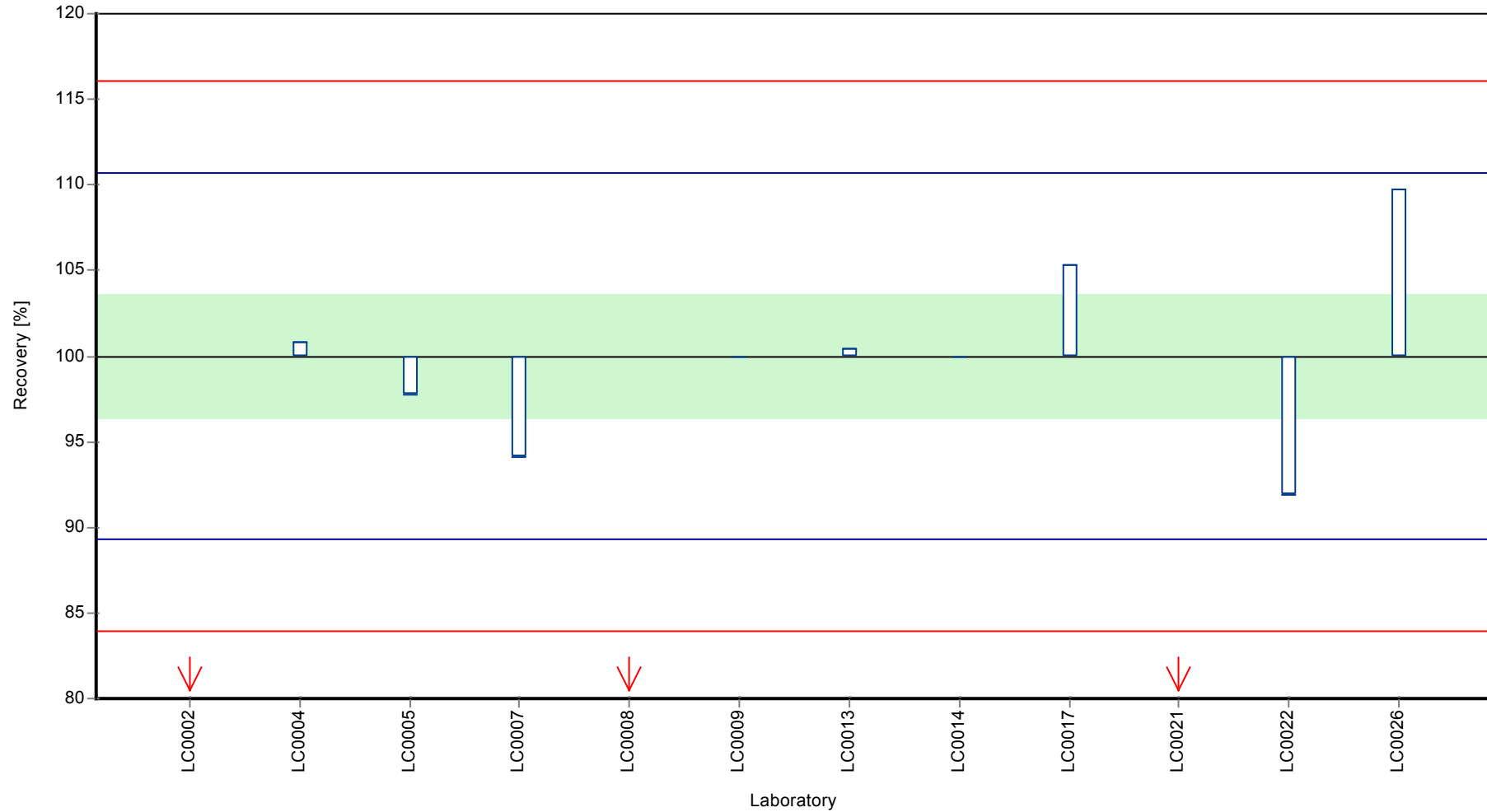
**Graphical presentation of results**  
**Results**



Parameter oriented report Volatile halogenated hydrocarbons (VHH) and BTEX/MTBE - CB03

Sample: CB03BBTX, Parameter: Sum of m-Xylene and p-Xylene

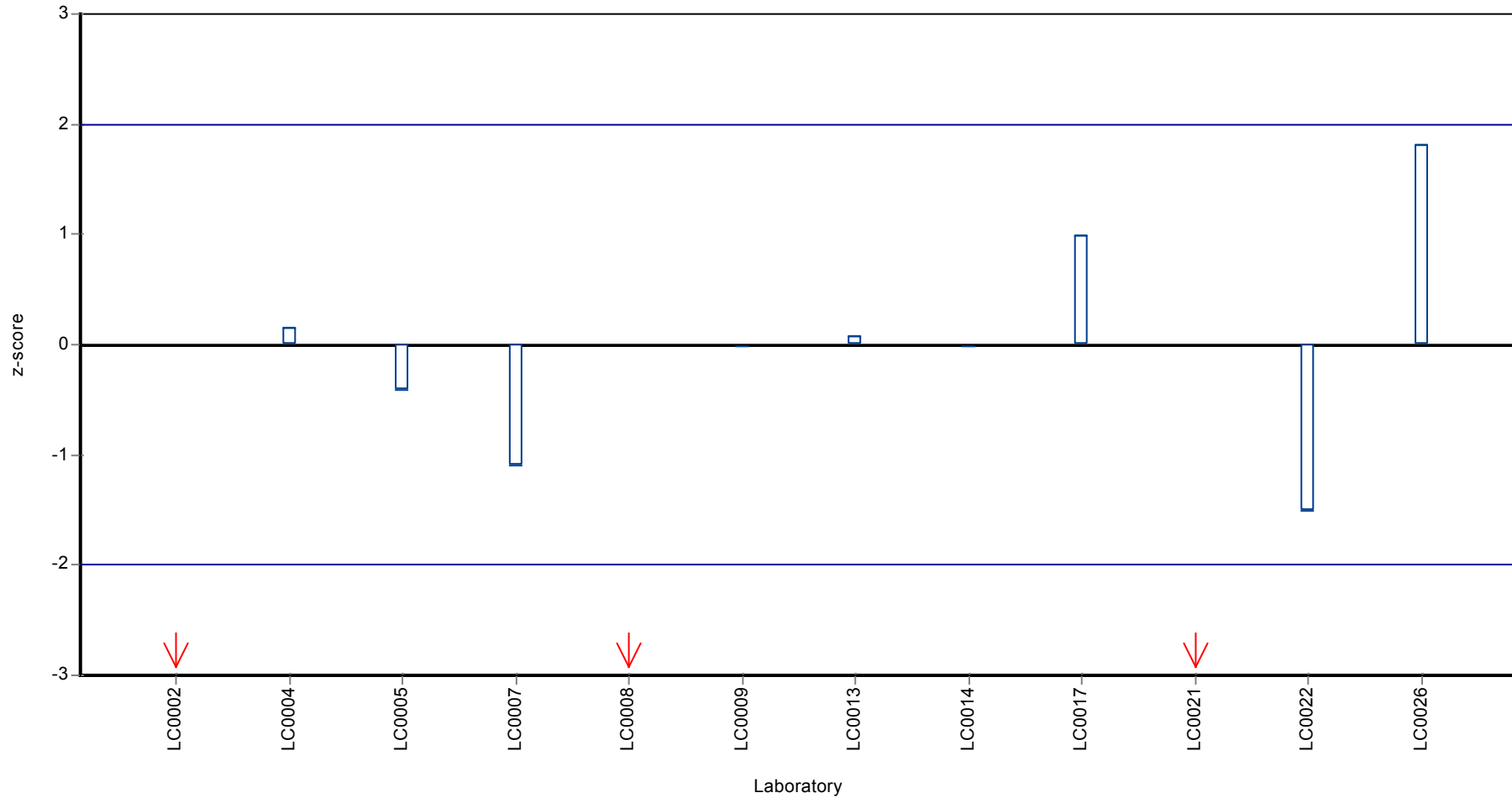
**Recovery rate**



Parameter oriented report Volatile halogenated hydrocarbons (VHH) and BTEX/MTBE - CB03

Sample: CB03BBTX, Parameter: Sum of m-Xylene and p-Xylene

**Z-score**



Parameter oriented report Volatile halogenated hydrocarbons (VHH) and BTEX/MTBE - CB03

Sample: CB03ABTX, Parameter: Toluene

## Parameter oriented report

### CB03 A - BTEX/MTBE

#### Toluene

Unit	µg/l
Mean ± CI (99%)	1.51 ± 0.242
Minimum - Maximum	0.697 - 1.99
Control test value ± U	1.57 ± 0.192

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	1.2	0.04	79.7	-0.95	
LC0002	1.2	0.23	79.7	-0.95	
LC0004	1.375	0.206	91.3	-0.41	
LC0005	1.49	0.18	99	-0.05	
LC0006	-	-	-	-	
LC0007	1.9	0.3	126	1.22	
LC0008	1.37	0.27	91	-0.42	
LC0009	1.37	0.27	91	-0.42	
LC0010	0.697	0.139	46.3	-2.5	
LC0012	4.82	-	320	10.3	H
LC0013	1.6	0.32	106	0.29	
LC0014	1.62	0.47	108	0.35	
LC0017	1.69	-	112	0.57	
LC0018	1.76	0.53	117	0.79	
LC0021	1.43	0.1	95	-0.23	
LC0022	1.99	0.6	132	1.5	
LC0024	1.5	-	99.6	-0.02	
LC0026	1.9	0.4	126	1.22	

#### Characteristics of parameter

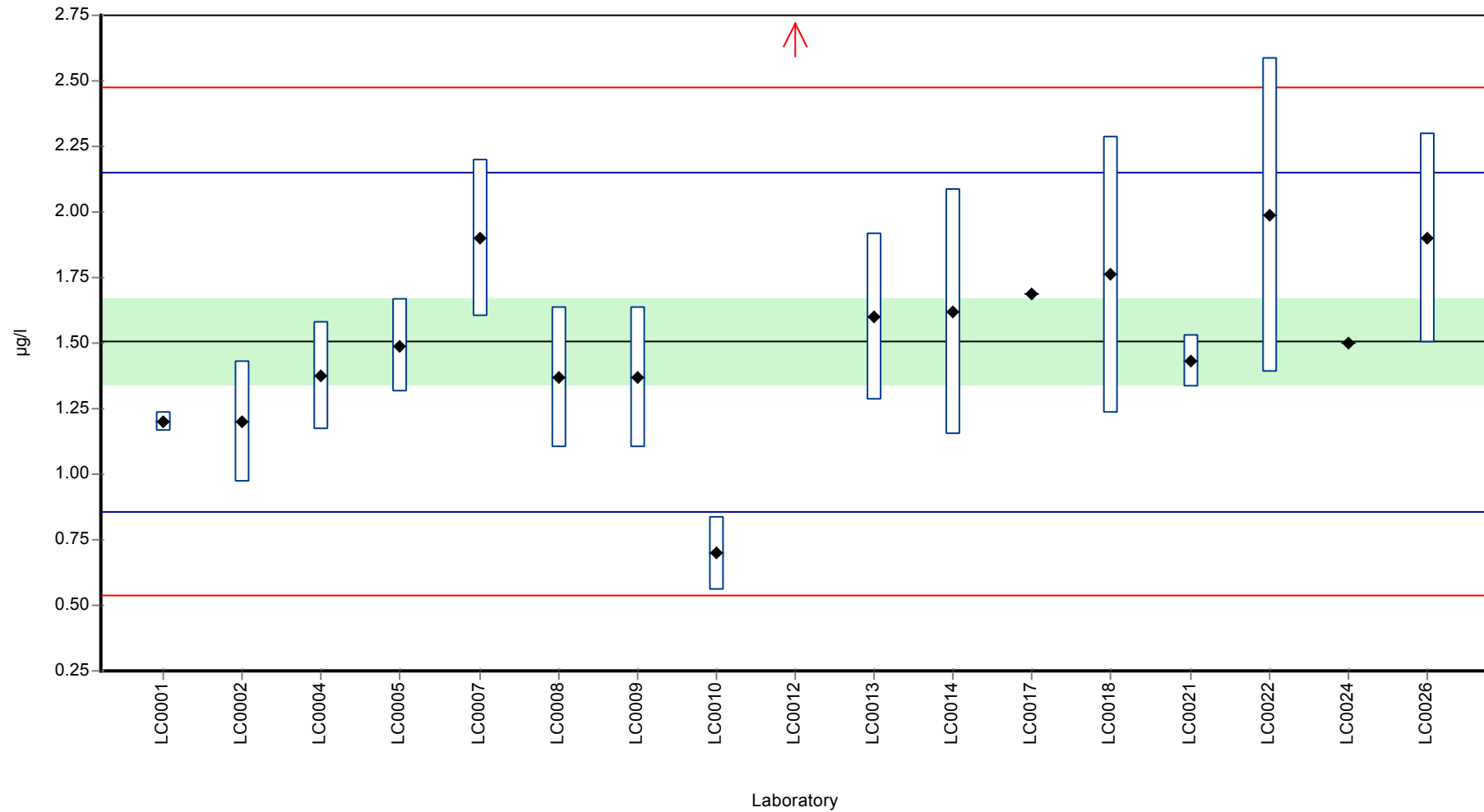
	all results	without outliers	Unit
Mean ± CI (99%)	1.7 ± 0.628	1.51 ± 0.242	µg/l
Minimum	0.697	0.697	µg/l
Maximum	4.82	1.99	µg/l
Standard deviation	0.863	0.323	µg/l
rel. Standard deviation	50.7	21.5	%
n	17	16	-

Parameter oriented report Volatile halogenated hydrocarbons (VHH) and BTEX/MTBE - CB03

Sample: CB03ABTX, Parameter: Toluene

Graphical presentation of results

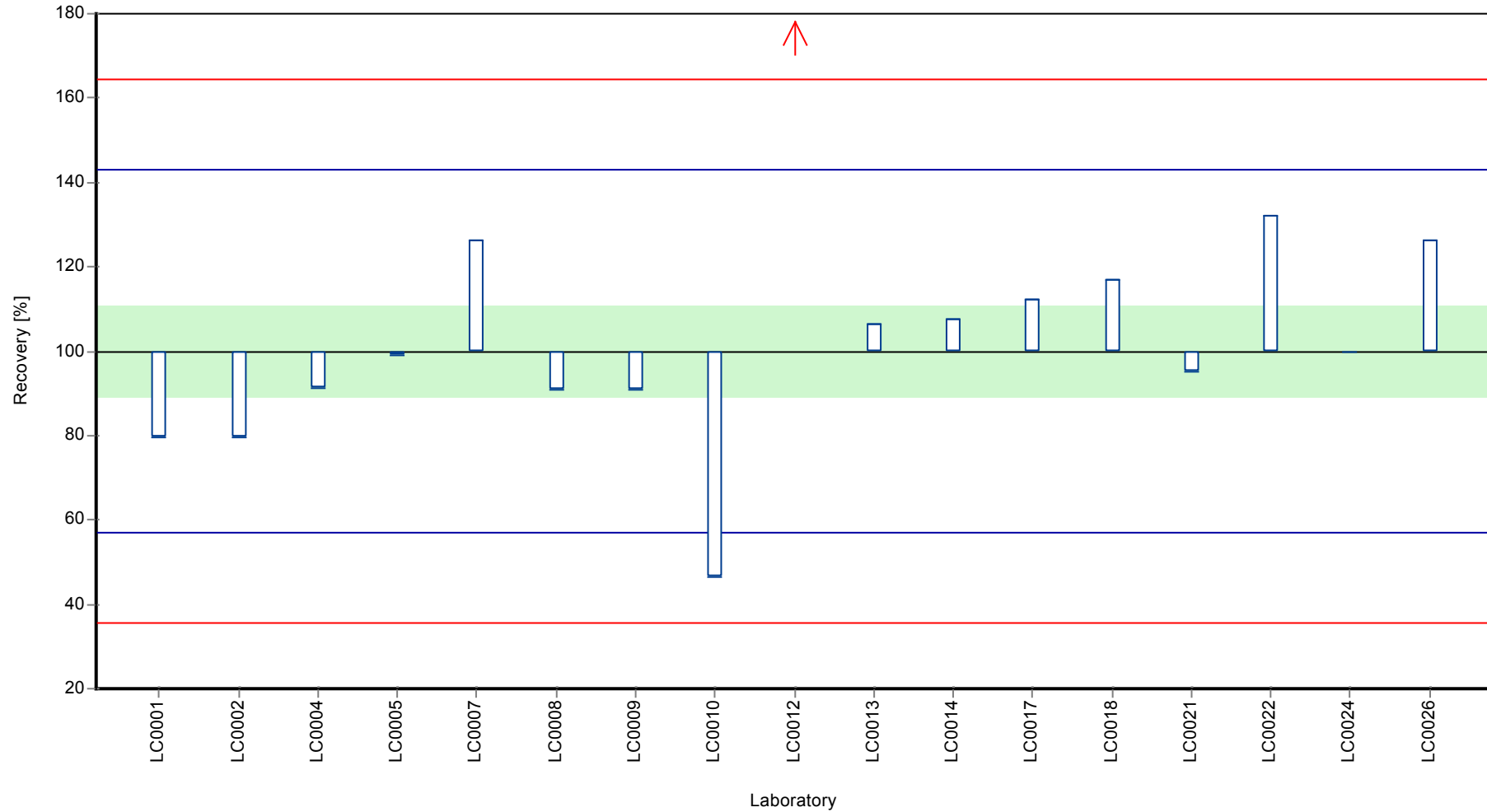
Results



Parameter oriented report Volatile halogenated hydrocarbons (VHH) and BTEX/MTBE - CB03

Sample: CB03ABTX, Parameter: Toluene

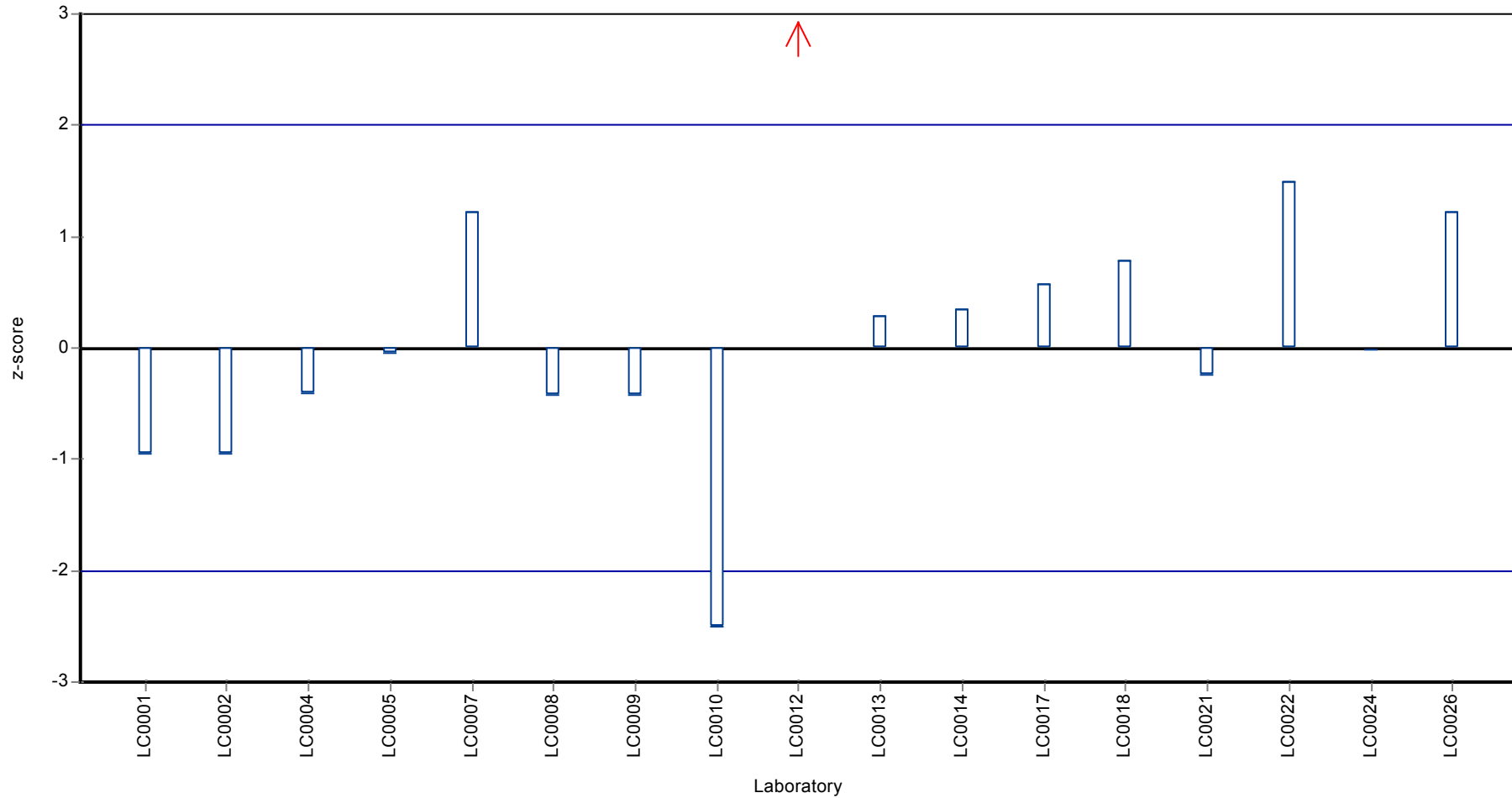
**Recovery rate**



Parameter oriented report Volatile halogenated hydrocarbons (VHH) and BTEX/MTBE - CB03

Sample: CB03ABTX, Parameter: Toluene

**Z-score**



Parameter oriented report Volatile halogenated hydrocarbons (VHH) and BTEX/MTBE - CB03

Sample: CB03BBTX, Parameter: Toluene

## Parameter oriented report

### CB03 B - BTEX/MTBE

#### Toluene

Unit	µg/l
Mean ± CI (99%)	5.59 ± 1.89
Minimum - Maximum	0.77 - 8.57
Control test value ± U	5.63 ± 0.925

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	1.4	0.05	25	-1.66	
LC0002	4.8	1.44	85.8	-0.31	
LC0004	6.528	0.979	117	0.37	
LC0005	6.12	0.92	109	0.21	
LC0006	-	-	-	-	
LC0007	7.22	0.9	129	0.65	
LC0008	4.98	1	89.1	-0.24	
LC0009	5.9	1.2	106	0.12	
LC0010	7.513	1.502	134	0.76	
LC0012	1.12	-	20	-1.77	
LC0013	7.2	1.44	129	0.64	
LC0014	7	2.03	125	0.56	
LC0017	7.45	-	133	0.74	
LC0018	0.77	0.23	13.8	-1.91	
LC0021	4.49	0.4	80.3	-0.44	
LC0022	8.57	2.57	153	1.18	
LC0024	< 1 (LOQ)	-	-	-	
LC0026	8.4	1.7	150	1.11	

#### Characteristics of parameter

	all results	without outliers	Unit
Mean ± CI (99%)	5.59 ± 1.89	5.59 ± 1.89	µg/l
Minimum	0.77	0.77	µg/l
Maximum	8.57	8.57	µg/l
Standard deviation	2.52	2.52	µg/l
rel. Standard deviation	45.1	45.1	%
n	16	16	-

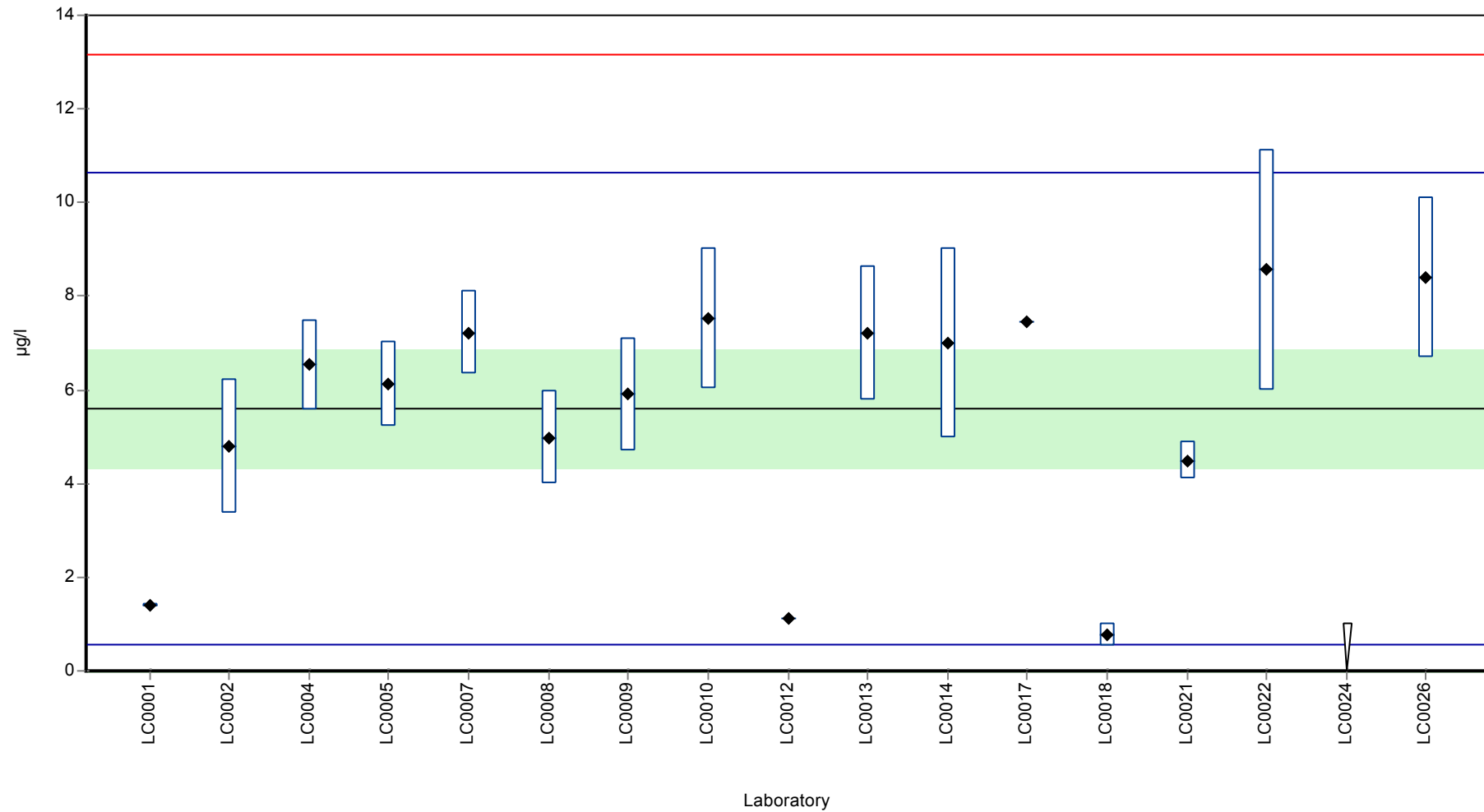


Parameter oriented report Volatile halogenated hydrocarbons (VHH) and BTEX/MTBE - CB03

Sample: CB03BBTX, Parameter: Toluene

Graphical presentation of results

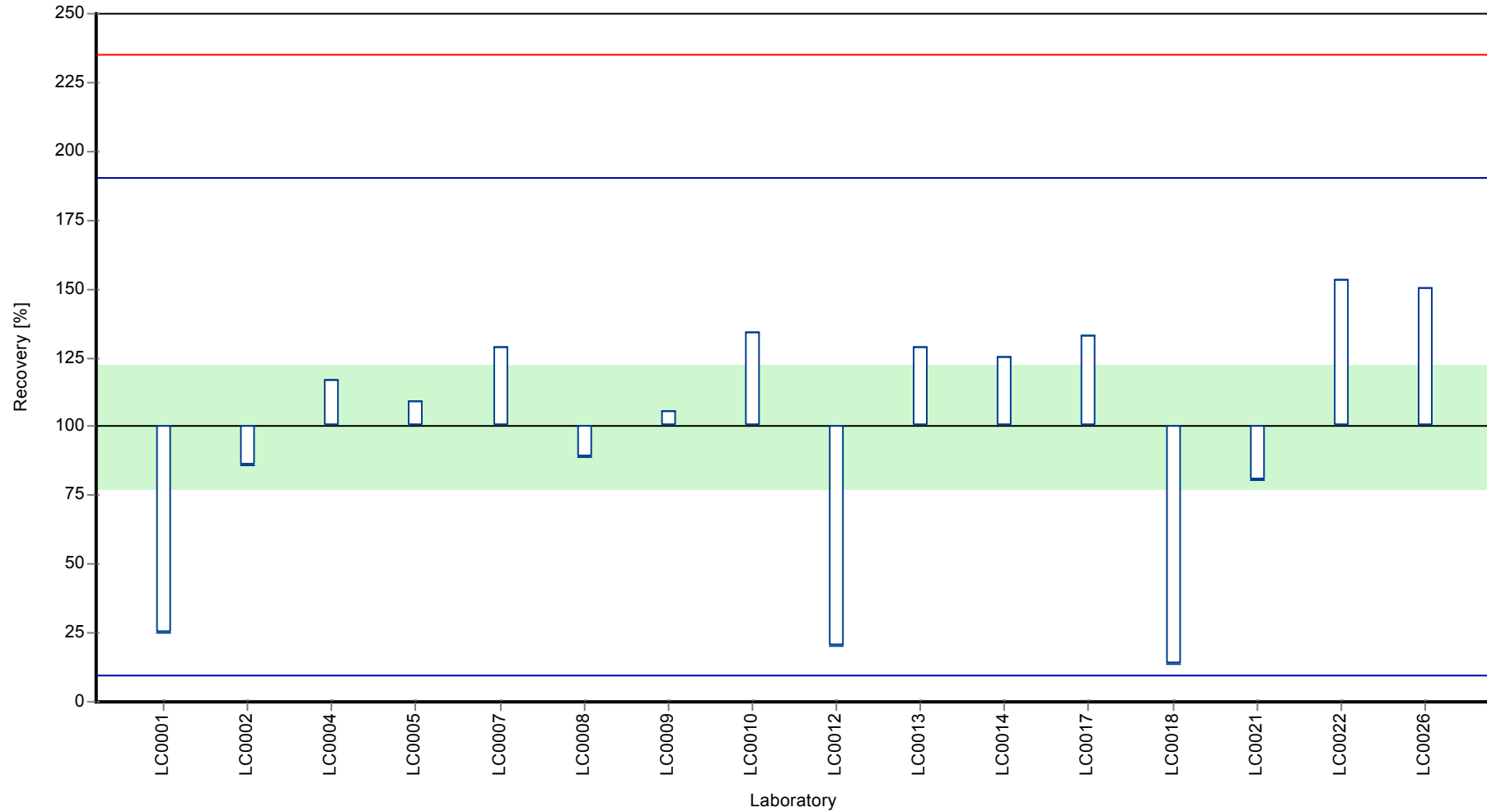
Results



Parameter oriented report Volatile halogenated hydrocarbons (VHH) and BTEX/MTBE - CB03

Sample: CB03BBTX, Parameter: Toluene

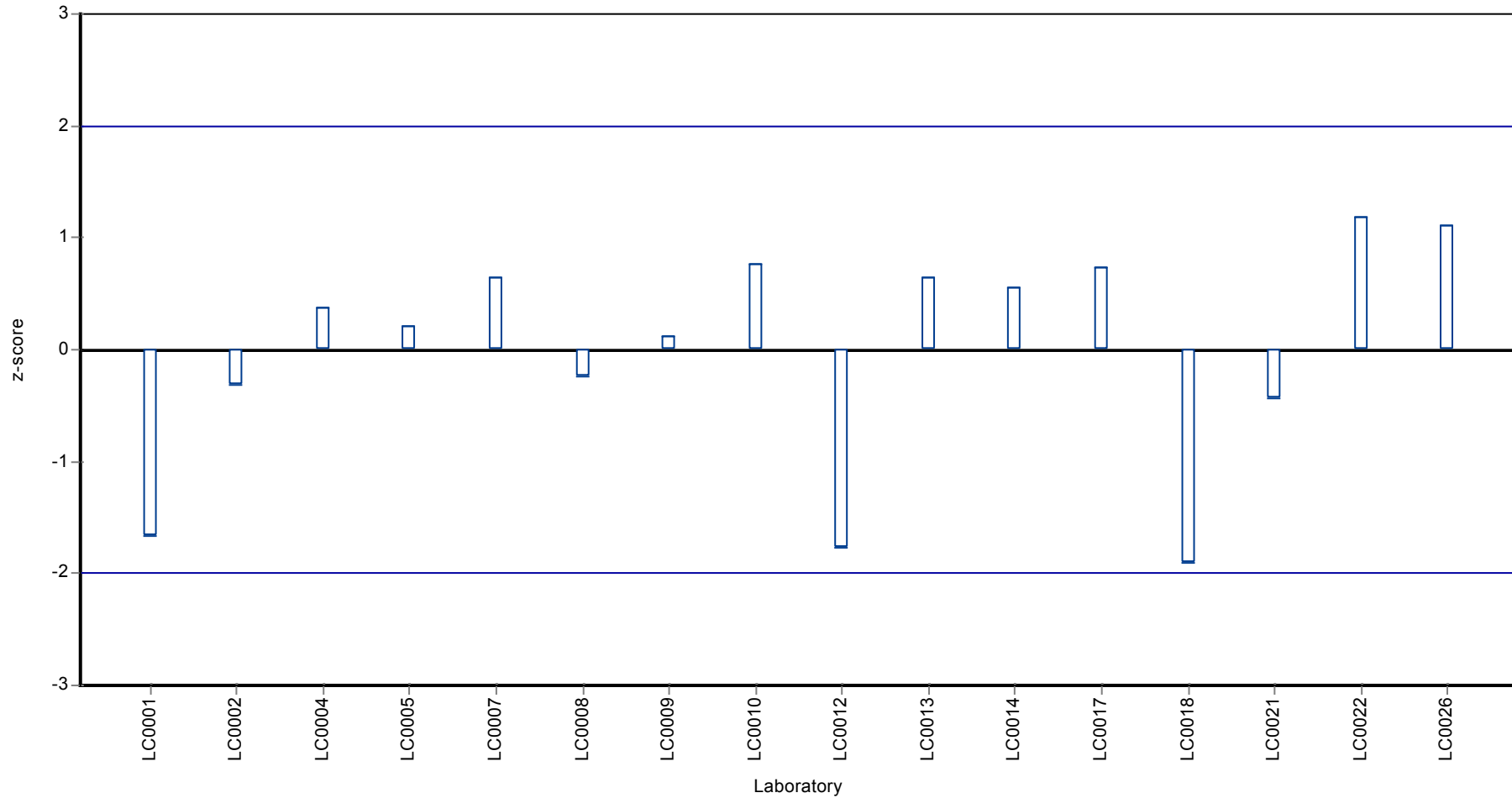
**Recovery rate**



Parameter oriented report Volatile halogenated hydrocarbons (VHH) and BTEX/MTBE - CB03

Sample: CB03BBTX, Parameter: Toluene

**Z-score**



Parameter oriented report Volatile halogenated hydrocarbons (VHH) and BTEX/MTBE - CB03

Sample: CB03ABTX, Parameter: Methyl-tert-butyl-ether

## Parameter oriented report

### CB03 A - BTEX/MTBE

#### Methyl-tert-butyl-ether

Unit	µg/l
Mean ± CI (99%)	1.13 ± 0.197
Minimum - Maximum	0.94 - 1.41
Control test value ± U	1.13 ± 0.0415

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	0.4	0.11	35.5	-3.91	H
LC0004	0.959	0.144	85	-0.91	
LC0005	1.12	0.2	99.3	-0.04	
LC0006	-	-	-	-	
LC0007	-	-	-	-	
LC0008	1.03	0.21	91.3	-0.53	
LC0009	-	-	-	-	
LC0010	-	-	-	-	
LC0012	-	-	-	-	
LC0013	1.17	0.23	104	0.23	
LC0014	1.405	0.267	125	1.49	
LC0017	-	-	-	-	
LC0018	-	-	-	-	
LC0021	0.94	0.09	83.3	-1.01	
LC0022	1.4	0.42	124	1.46	
LC0024	2.6	-	230	7.91	H
LC0026	1	0.2	88.7	-0.69	

#### Characteristics of parameter

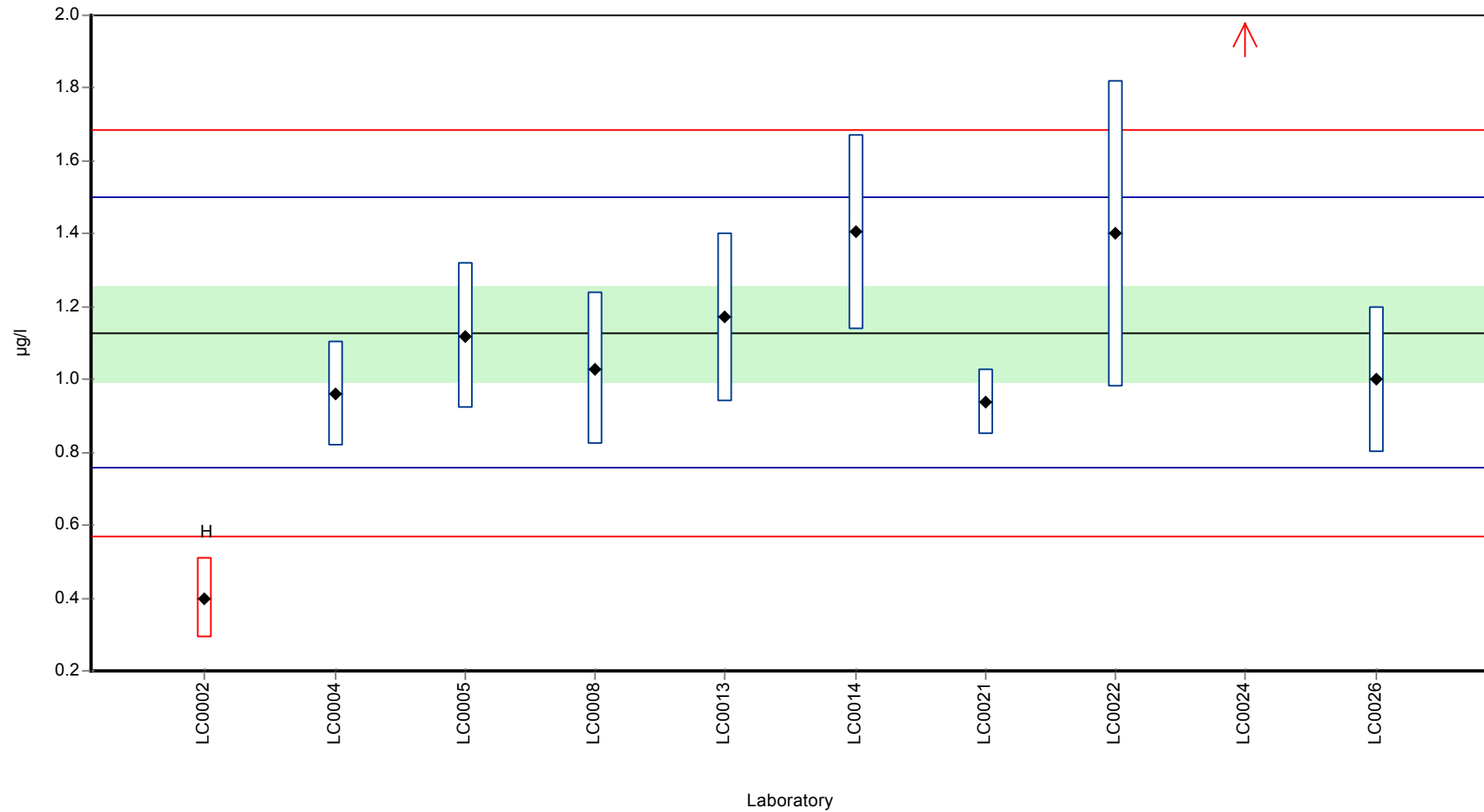
	all results	without outliers	Unit
Mean ± CI (99%)	1.2 ± 0.537	1.13 ± 0.197	µg/l
Minimum	0.4	0.94	µg/l
Maximum	2.6	1.41	µg/l
Standard deviation	0.566	0.186	µg/l
rel. Standard deviation	47.1	16.5	%
n	10	8	-

Parameter oriented report Volatile halogenated hydrocarbons (VHH) and BTEX/MTBE - CB03

Sample: CB03ABTX, Parameter: Methyl-tert-butyl-ether

Graphical presentation of results

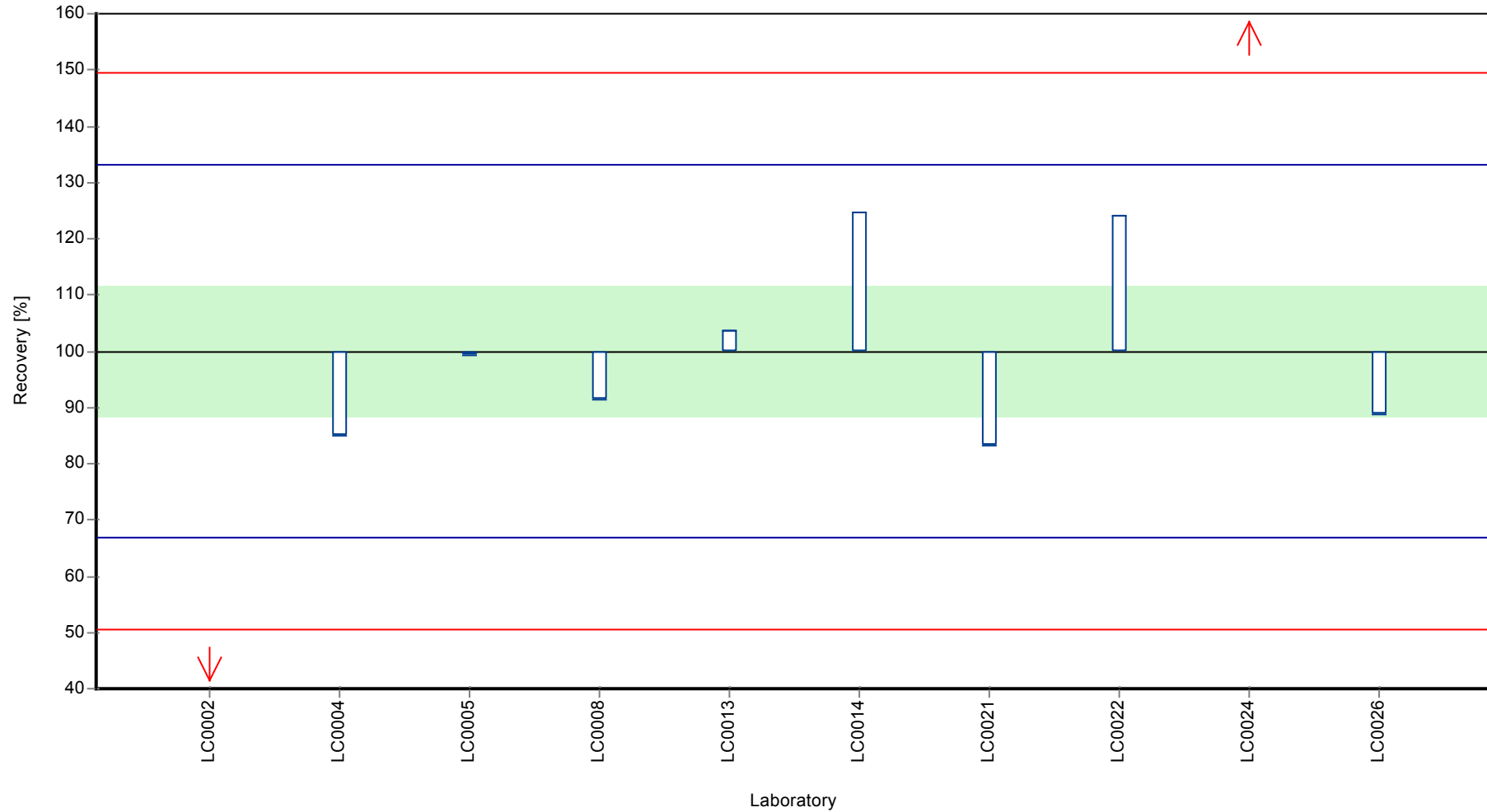
Results



Parameter oriented report Volatile halogenated hydrocarbons (VHH) and BTEX/MTBE - CB03

Sample: CB03ABTX, Parameter: Methyl-tert-butyl-ether

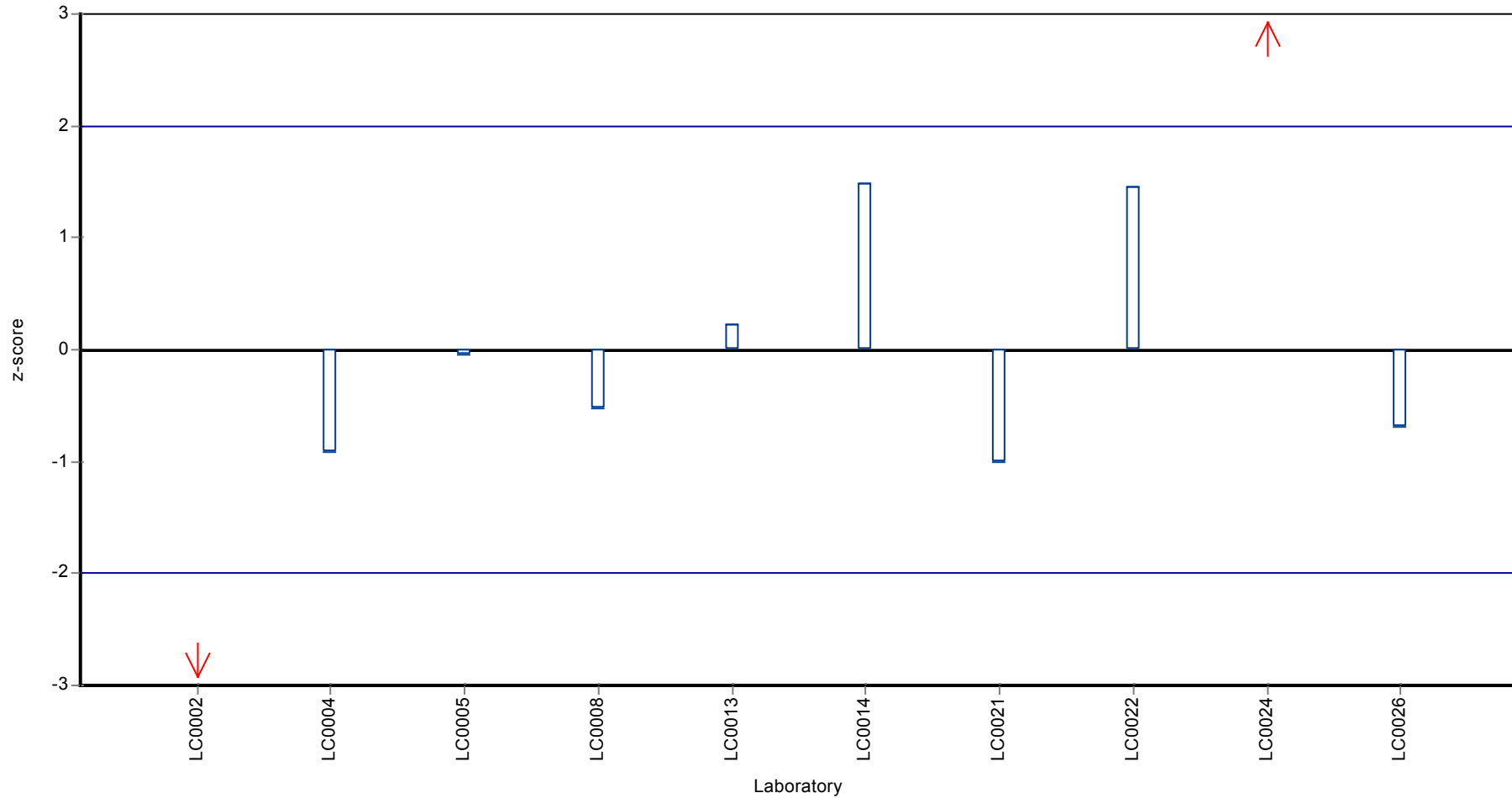
**Recovery rate**



Parameter oriented report Volatile halogenated hydrocarbons (VHH) and BTEX/MTBE - CB03

Sample: CB03ABTX, Parameter: Methyl-tert-butyl-ether

**Z-score**



Parameter oriented report Volatile halogenated hydrocarbons (VHH) and BTEX/MTBE - CB03

Sample: CB03BBTX, Parameter: Methyl-tert-butyl-ether

## Parameter oriented report

### CB03 B - BTEX/MTBE

#### Methyl-tert-butyl-ether

Unit	µg/l
Mean ± CI (99%)	3.6 ± 0.614
Minimum - Maximum	3 - 4.68
Control test value ± U	3.56 ± 0.453

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	3	0.9	83.4	-0.97	
LC0004	3.184	0.478	88.5	-0.67	
LC0005	3.39	0.6	94.2	-0.34	
LC0006	-	-	-	-	
LC0007	-	-	-	-	
LC0008	3.39	0.68	94.2	-0.34	
LC0009	-	-	-	-	
LC0010	-	-	-	-	
LC0012	-	-	-	-	
LC0013	3.97	0.79	110	0.61	
LC0014	4.44	0.844	123	1.37	
LC0017	-	-	-	-	
LC0018	-	-	-	-	
LC0021	3.12	0.3	86.7	-0.78	
LC0022	4.68	1.4	130	1.76	
LC0024	7.1	-	197	5.7	H
LC0026	3.2	0.7	89	-0.65	

#### Characteristics of parameter

	all results	without outliers	Unit
Mean ± CI (99%)	3.95 ± 1.19	3.6 ± 0.614	µg/l
Minimum	3	3	µg/l
Maximum	7.1	4.68	µg/l
Standard deviation	1.25	0.614	µg/l
rel. Standard deviation	31.7	17.1	%
n	10	9	-

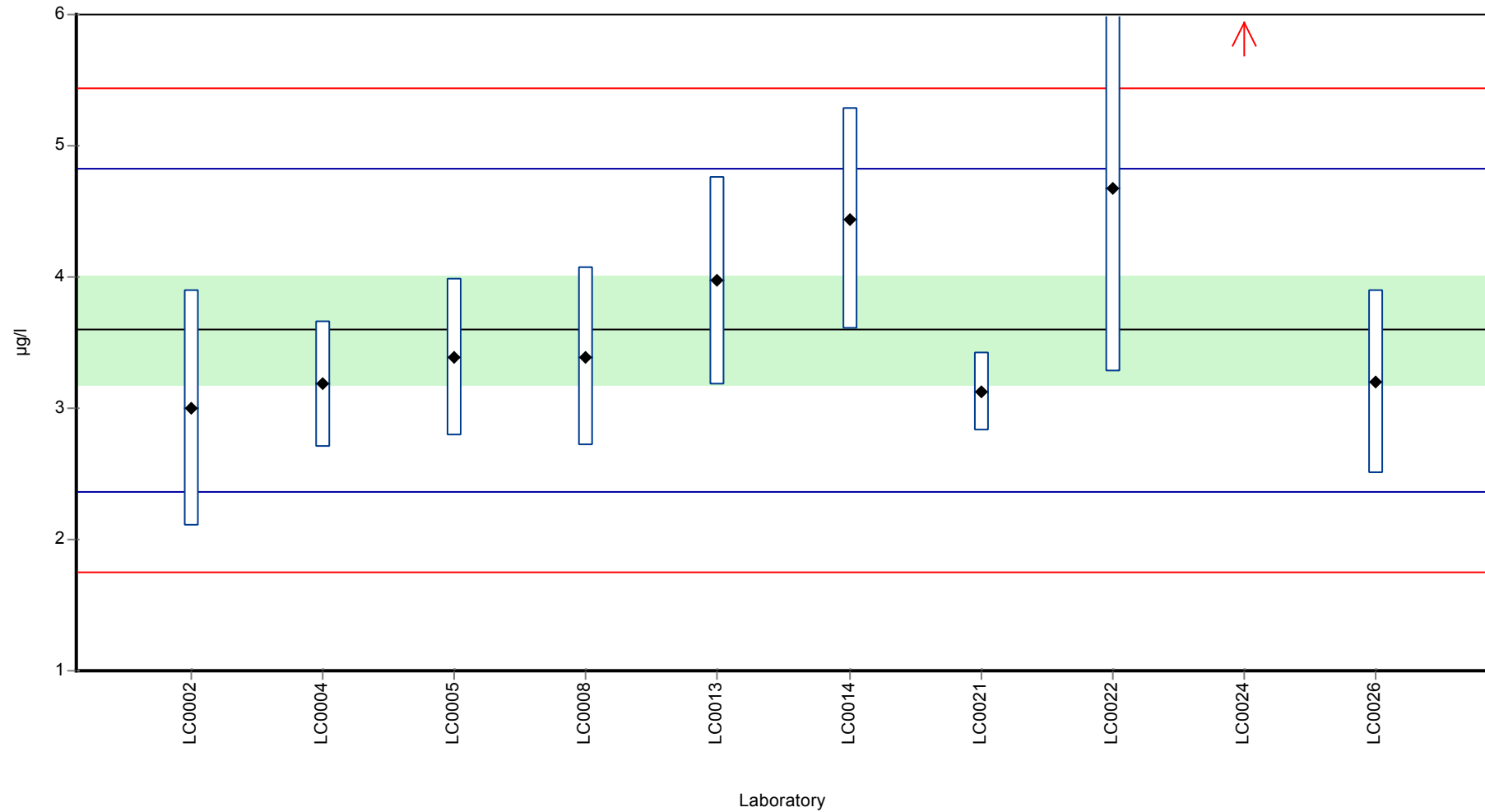


Parameter oriented report Volatile halogenated hydrocarbons (VHH) and BTEX/MTBE - CB03

Sample: CB03BBTX, Parameter: Methyl-tert-butyl-ether

Graphical presentation of results

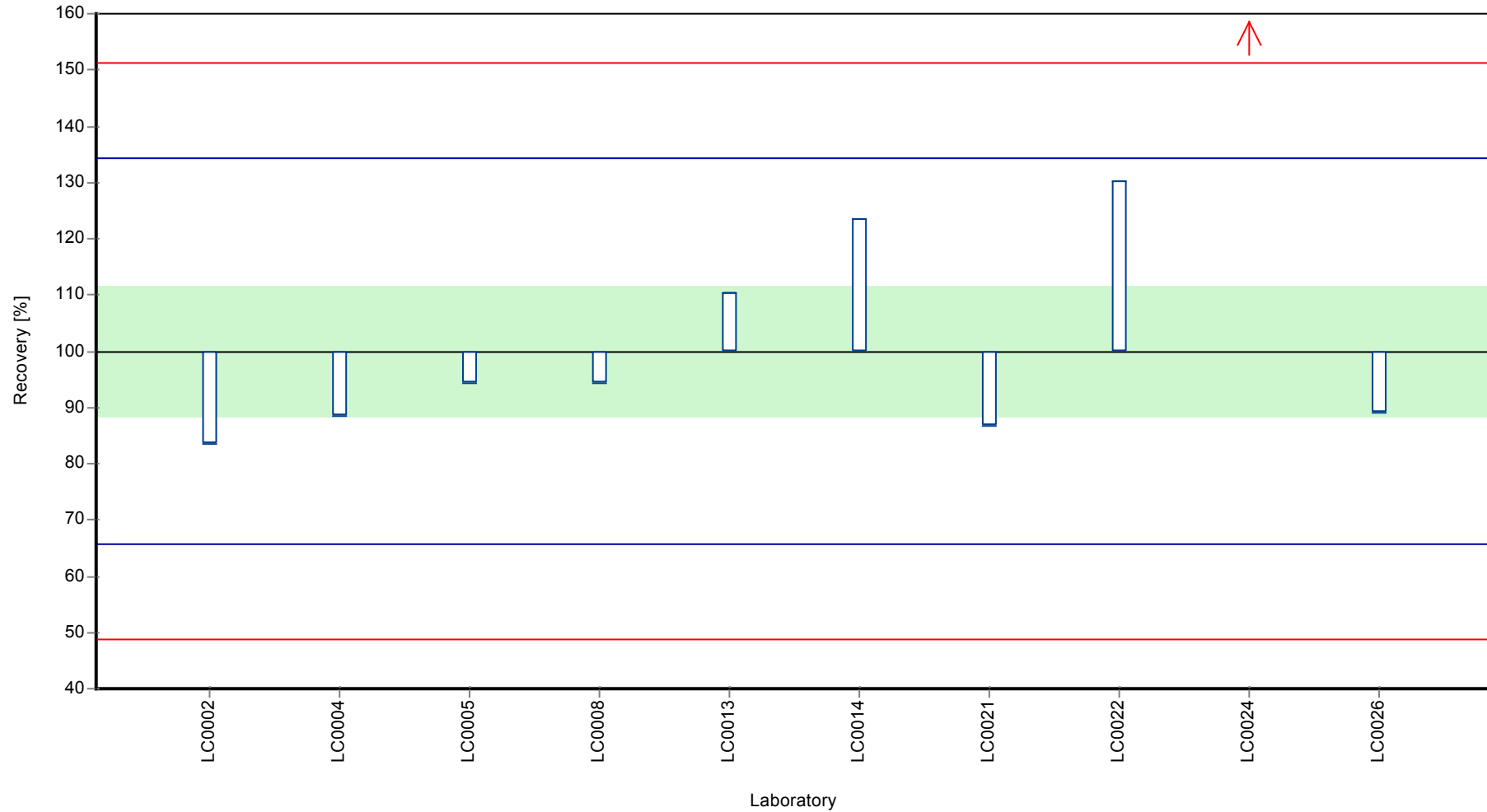
Results



Parameter oriented report Volatile halogenated hydrocarbons (VHH) and BTEX/MTBE - CB03

Sample: CB03BBTX, Parameter: Methyl-tert-butyl-ether

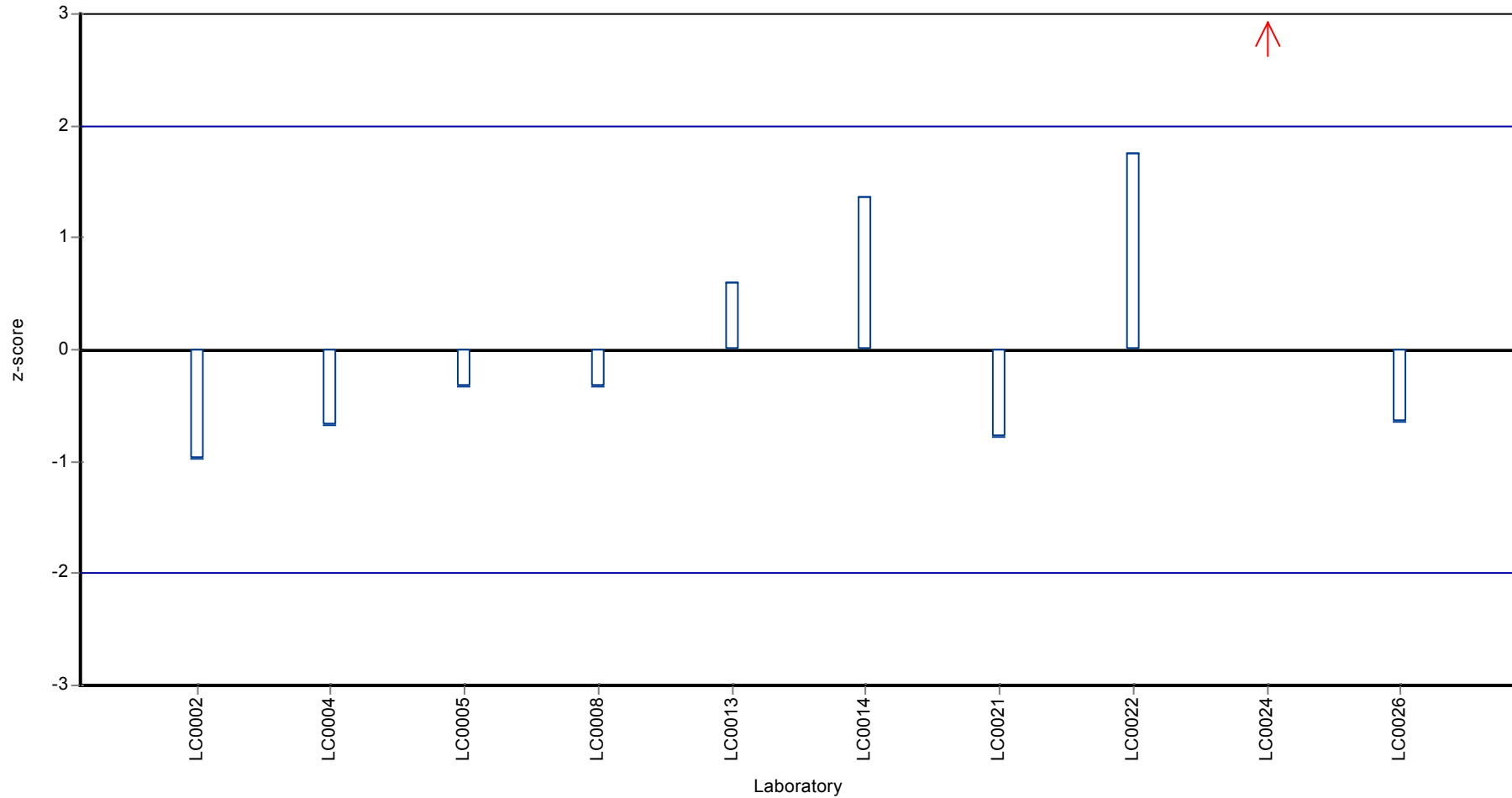
**Recovery rate**



Parameter oriented report Volatile halogenated hydrocarbons (VHH) and BTEX/MTBE - CB03

Sample: CB03BBTX, Parameter: Methyl-tert-butyl-ether

**Z-score**



Parameter oriented report Volatile halogenated hydrocarbons (VHH) and BTEX/MTBE - CB03

Sample: CB03AVHH, Parameter: 1,1,1-Trichloroethane

## Parameter oriented report

### CB03 A - VHH

#### 1,1,1-Trichloroethane

Unit	µg/l
Mean ± CI (99%)	1.28 ± 0.175
Minimum - Maximum	0.673 - 1.83
Control test value ± U	1.35 ± 0.138

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	1.3	0.04	101	0.06	
LC0002	-	-	-	-	
LC0003	0.93	0.14	72.4	-1.33	
LC0006	-	-	-	-	
LC0007	1.08	0.2	84.1	-0.76	
LC0008	1.15	0.23	89.5	-0.5	
LC0009	0.97	0.19	75.5	-1.18	
LC0010	1.44	0.288	112	0.58	
LC0011	1.22	0.12	95	-0.24	
LC0012	-	-	-	-	
LC0013	1.13	0.23	88	-0.58	
LC0014	1.36	0.299	106	0.28	
LC0015	1.36	0.07	106	0.28	
LC0016	1.83	0.37	142	2.04	
LC0017	1.2	-	93.4	-0.32	
LC0018	1.42	0.43	111	0.51	
LC0019	1.45	0.06	113	0.62	
LC0020	1.21	0.24	94.2	-0.28	
LC0021	1.16	0.1	90.3	-0.47	
LC0022	1.71	0.51	133	1.59	
LC0023	0.673	0.024	52.4	-2.29	
LC0025	1.32	0.2	103	0.13	
LC0026	1.4	0.3	109	0.43	
LC0027	1.66	0.17	129	1.4	

#### Characteristics of parameter

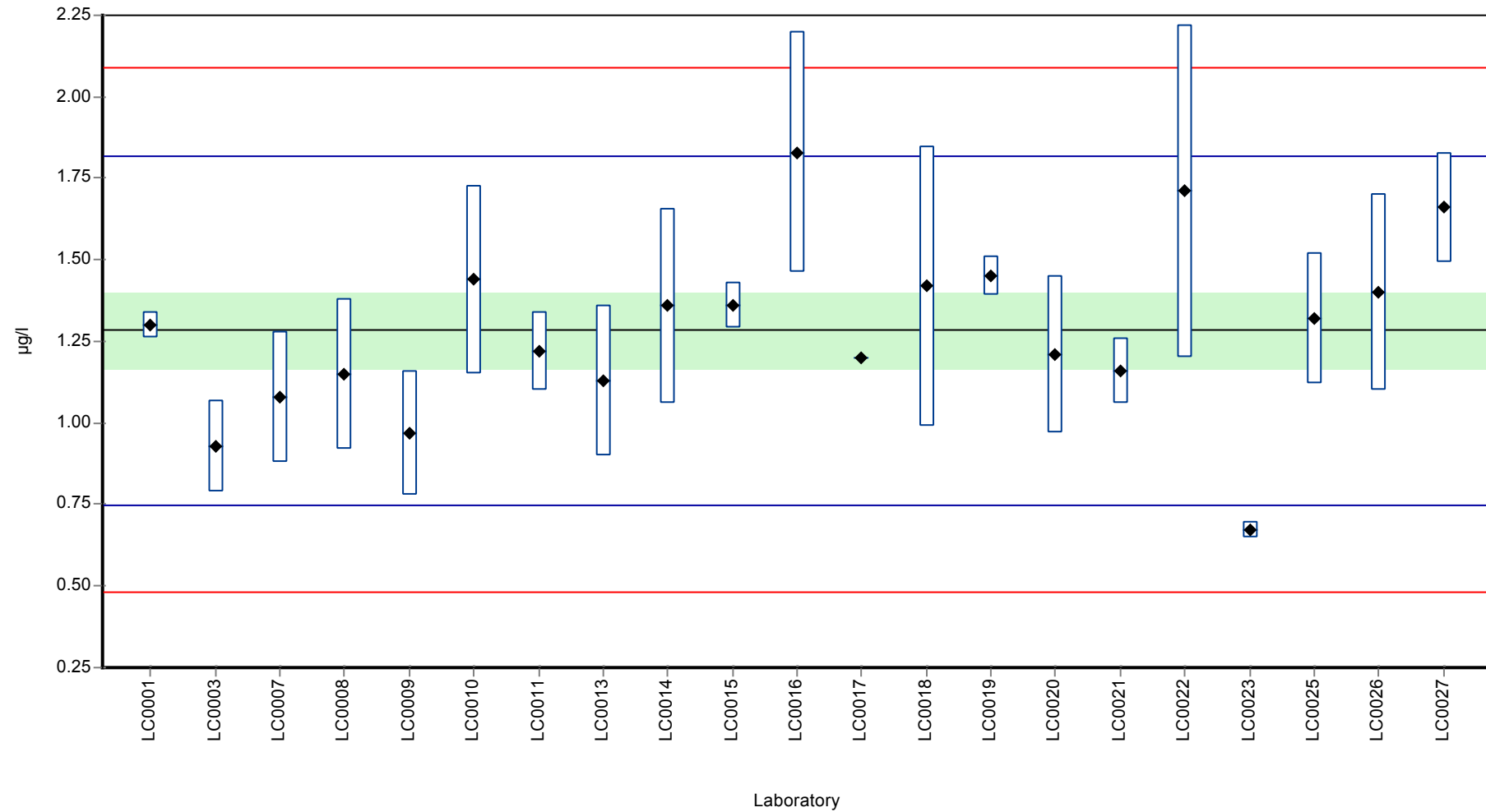
	all results	without outliers	Unit
Mean ± CI (99%)	1.28 ± 0.175	1.28 ± 0.175	µg/l
Minimum	0.673	0.673	µg/l
Maximum	1.83	1.83	µg/l
Standard deviation	0.267	0.267	µg/l
rel. Standard deviation	20.8	20.8	%
n	21	21	-

Parameter oriented report Volatile halogenated hydrocarbons (VHH) and BTEX/MTBE - CB03

Sample: CB03AVHH, Parameter: 1,1,1-Trichloroethane

**Graphical presentation of results**

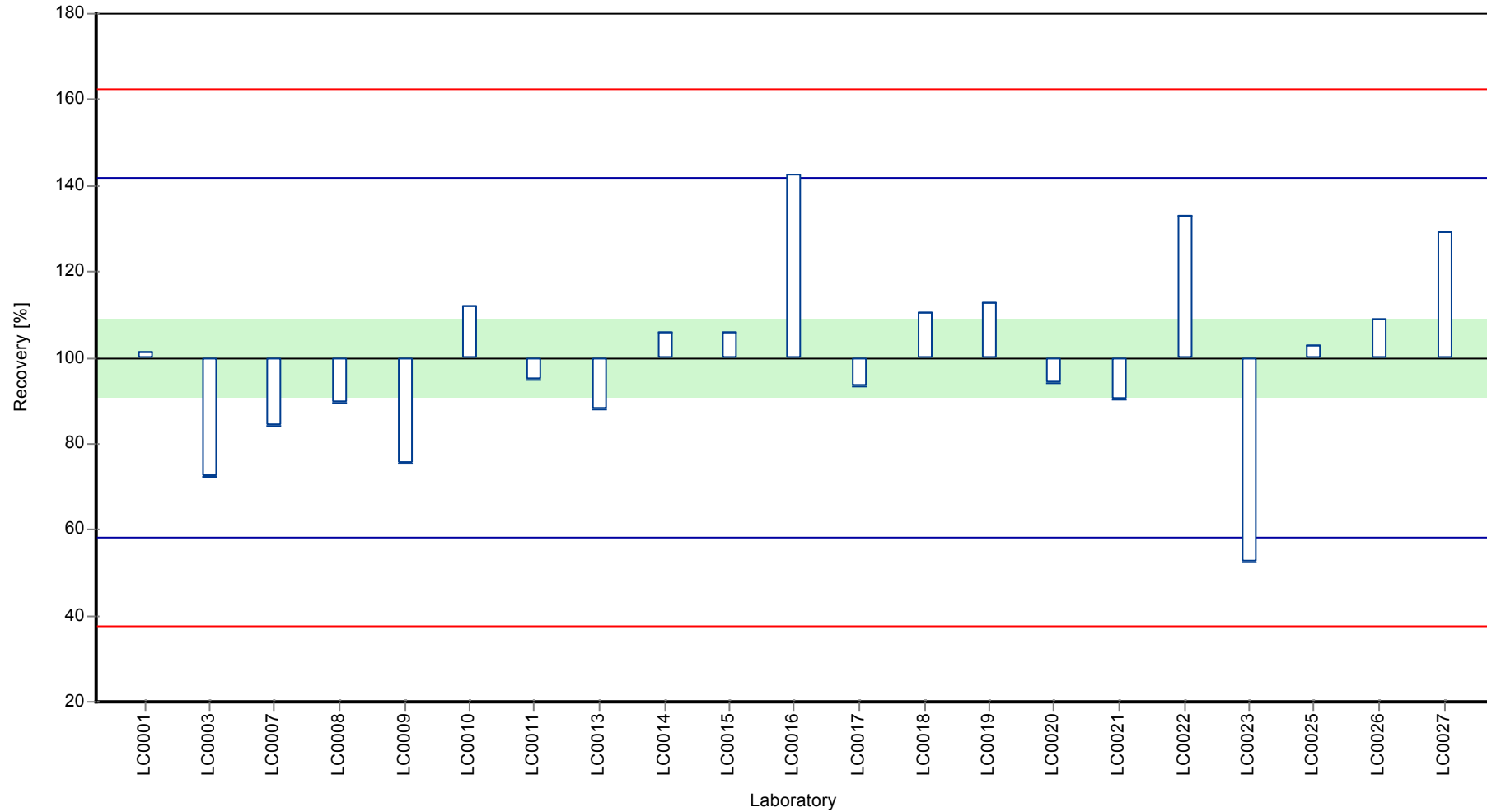
**Results**



Parameter oriented report Volatile halogenated hydrocarbons (VHH) and BTEX/MTBE - CB03

Sample: CB03AVHH, Parameter: 1,1,1-Trichloroethane

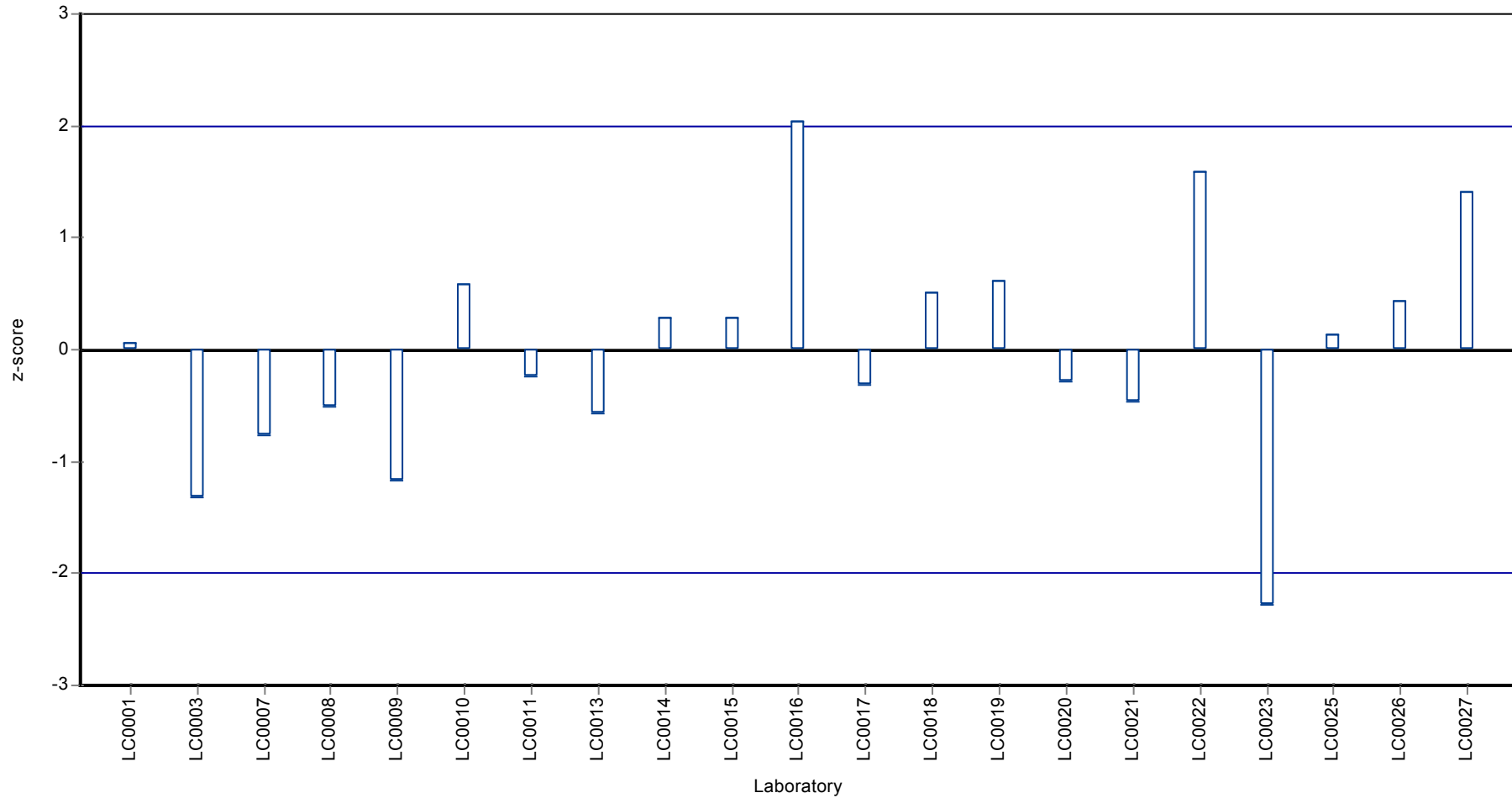
**Recovery rate**



Parameter oriented report Volatile halogenated hydrocarbons (VHH) and BTEX/MTBE - CB03

Sample: CB03AVHH, Parameter: 1,1,1-Trichloroethane

**Z-score**



Parameter oriented report Volatile halogenated hydrocarbons (VHH) and BTEX/MTBE - CB03

Sample: CB03BVHH, Parameter: 1,1,1-Trichloroethane

## Parameter oriented report

### CB03 B - VHH

#### 1,1,1-Trichloroethane

Unit	µg/l
Mean ± CI (99%)	4.83 ± 0.642
Minimum - Maximum	3.18 - 7.35
Control test value ± U	5.61 ± 0.553

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	5.4	0.2	112	0.58	
LC0002	-	-	-	-	
LC0003	3.83	0.574	79.3	-1.02	
LC0006	-	-	-	-	
LC0007	4.03	0.5	83.4	-0.81	
LC0008	4.34	0.87	89.9	-0.5	
LC0009	3.98	0.8	82.4	-0.87	
LC0010	6.001	1.2	124	1.19	
LC0011	4.67	0.47	96.7	-0.16	
LC0012	-	-	-	-	
LC0013	4.85	0.97	100	0.02	
LC0014	4.39	0.966	90.9	-0.45	
LC0015	4.74	0.148	98.1	-0.09	
LC0016	7.35	1.47	152	2.57	
LC0017	4.79	-	99.2	-0.04	
LC0018	5.63	1.69	117	0.82	
LC0019	3.24	0.29	67.1	-1.62	
LC0020	4.62	0.92	95.7	-0.21	
LC0021	4.49	0.4	93	-0.35	
LC0022	5.3	1.59	110	0.48	
LC0023	3.182	0.325	65.9	-1.68	
LC0025	4.9	0.74	101	0.07	
LC0026	5.7	1.2	118	0.89	
LC0027	5.99	0.6	124	1.18	

#### Characteristics of parameter

	all results	without outliers	Unit
Mean ± CI (99%)	4.83 ± 0.642	4.83 ± 0.642	µg/l
Minimum	3.18	3.18	µg/l
Maximum	7.35	7.35	µg/l
Standard deviation	0.981	0.981	µg/l
rel. Standard deviation	20.3	20.3	%
n	21	21	-

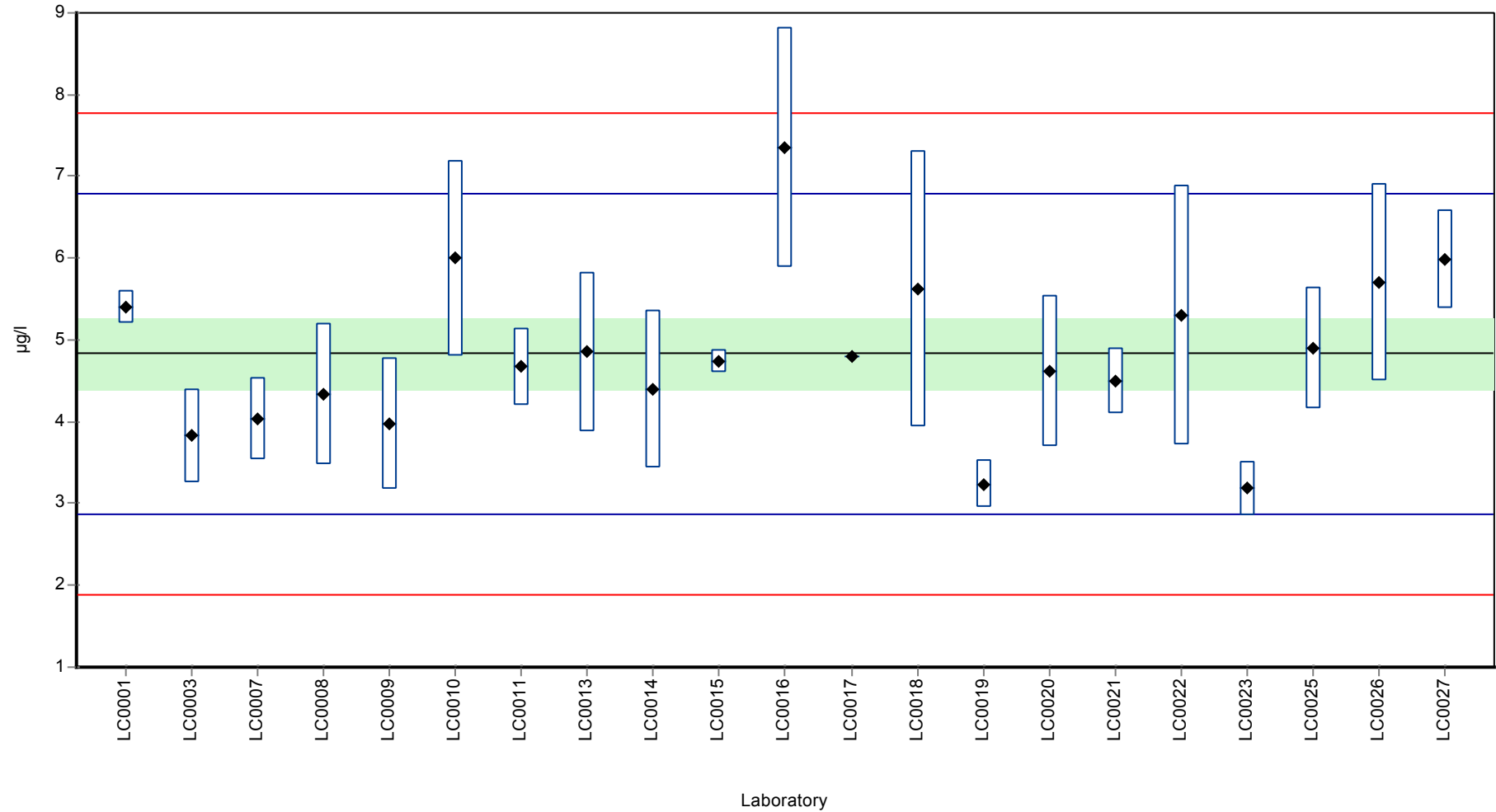


Parameter oriented report Volatile halogenated hydrocarbons (VHH) and BTEX/MTBE - CB03

Sample: CB03BVHH, Parameter: 1,1,1-Trichloroethane

Graphical presentation of results

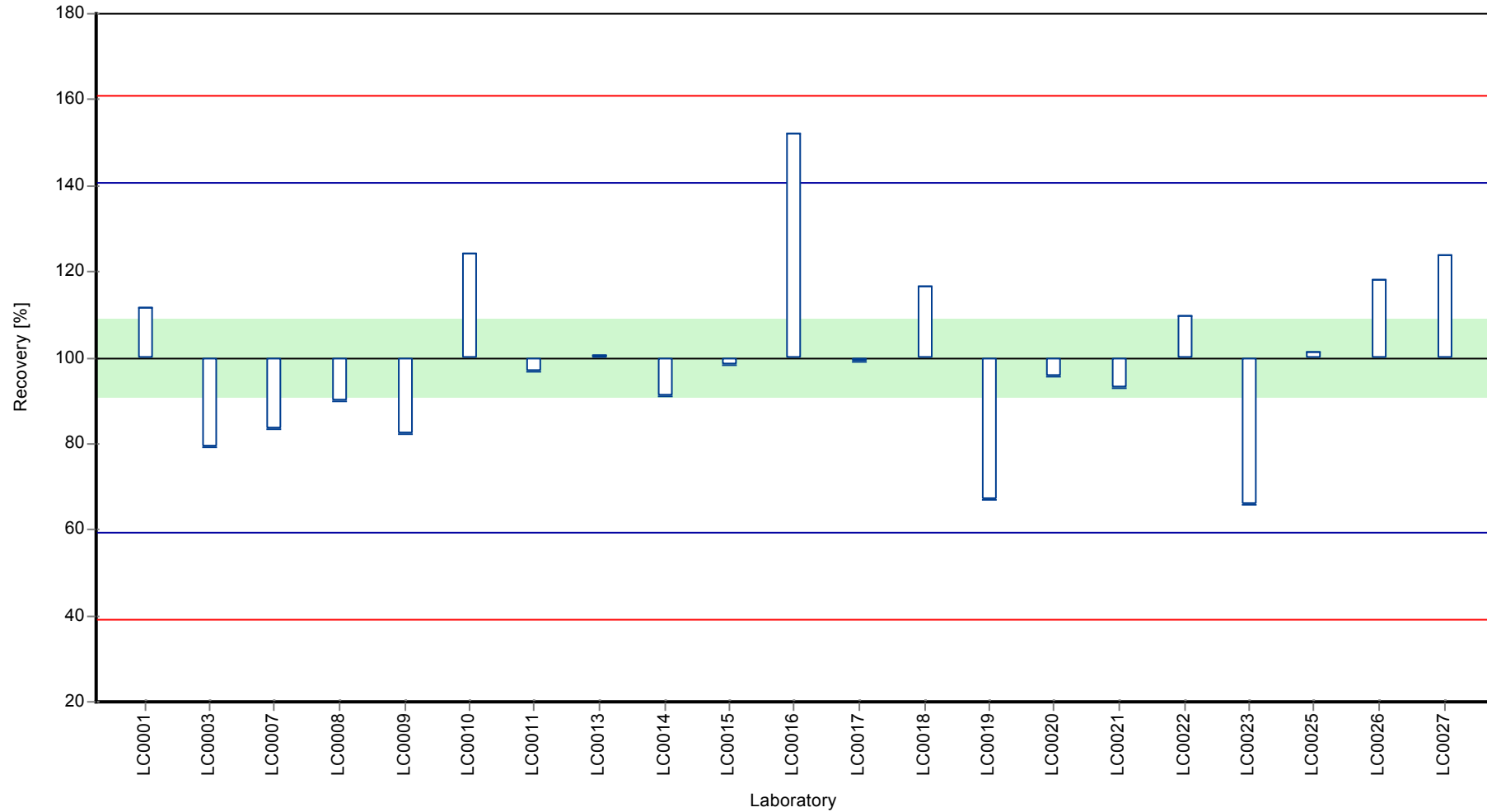
Results



Parameter oriented report Volatile halogenated hydrocarbons (VHH) and BTEX/MTBE - CB03

Sample: CB03BVHH, Parameter: 1,1,1-Trichloroethane

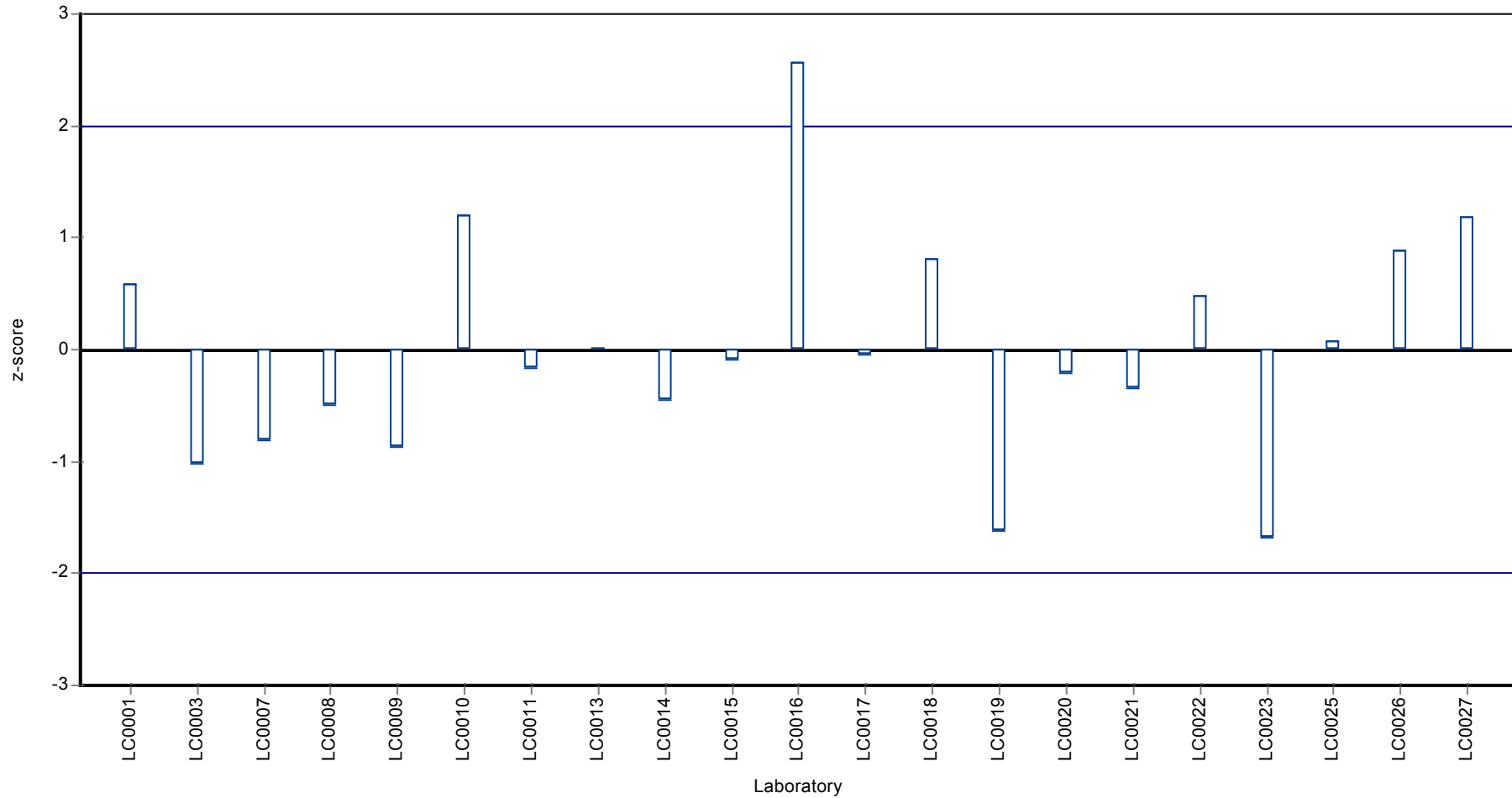
**Recovery rate**



Parameter oriented report Volatile halogenated hydrocarbons (VHH) and BTEX/MTBE - CB03

Sample: CB03BVHH, Parameter: 1,1,1-Trichloroethane

**Z-score**



Parameter oriented report Volatile halogenated hydrocarbons (VHH) and BTEX/MTBE - CB03

Sample: CB03AVHH, Parameter: 1,1-Dichloroethene

## Parameter oriented report

### CB03 A - VHH

#### 1,1-Dichloroethene

Unit	µg/l
Mean ± CI (99%)	1.13 ± 0.167
Minimum - Maximum	0.602 - 1.6
Control test value ± U	1.33 ± 0.191

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	1.6	0.05	142	2	
LC0002	-	-	-	-	
LC0003	0.89	0.134	78.9	-1	
LC0006	-	-	-	-	
LC0007	-	-	-	-	
LC0008	1.16	0.23	103	0.14	
LC0009	0.92	0.18	81.6	-0.88	
LC0010	3.137	0.627	278	8.48	H
LC0011	1.04	0.1	92.3	-0.37	
LC0012	-	-	-	-	
LC0013	0.98	0.2	86.9	-0.62	
LC0014	1.24	0.198	110	0.48	
LC0015	1.15	0.091	102	0.1	
LC0016	1.36	0.27	121	0.98	
LC0017	1.16	-	103	0.14	
LC0018	1.57	0.47	139	1.87	
LC0019	0.91	0.09	80.7	-0.92	
LC0020	1.07	0.21	94.9	-0.24	
LC0021	1.16	0.1	103	0.14	
LC0022	2.24	0.67	199	4.7	H
LC0023	0.602	0.01	53.4	-2.22	
LC0025	1.2	0.18	106	0.31	
LC0026	1.1	0.3	97.6	-0.12	
LC0027	1.18	0.12	105	0.22	

#### Characteristics of parameter

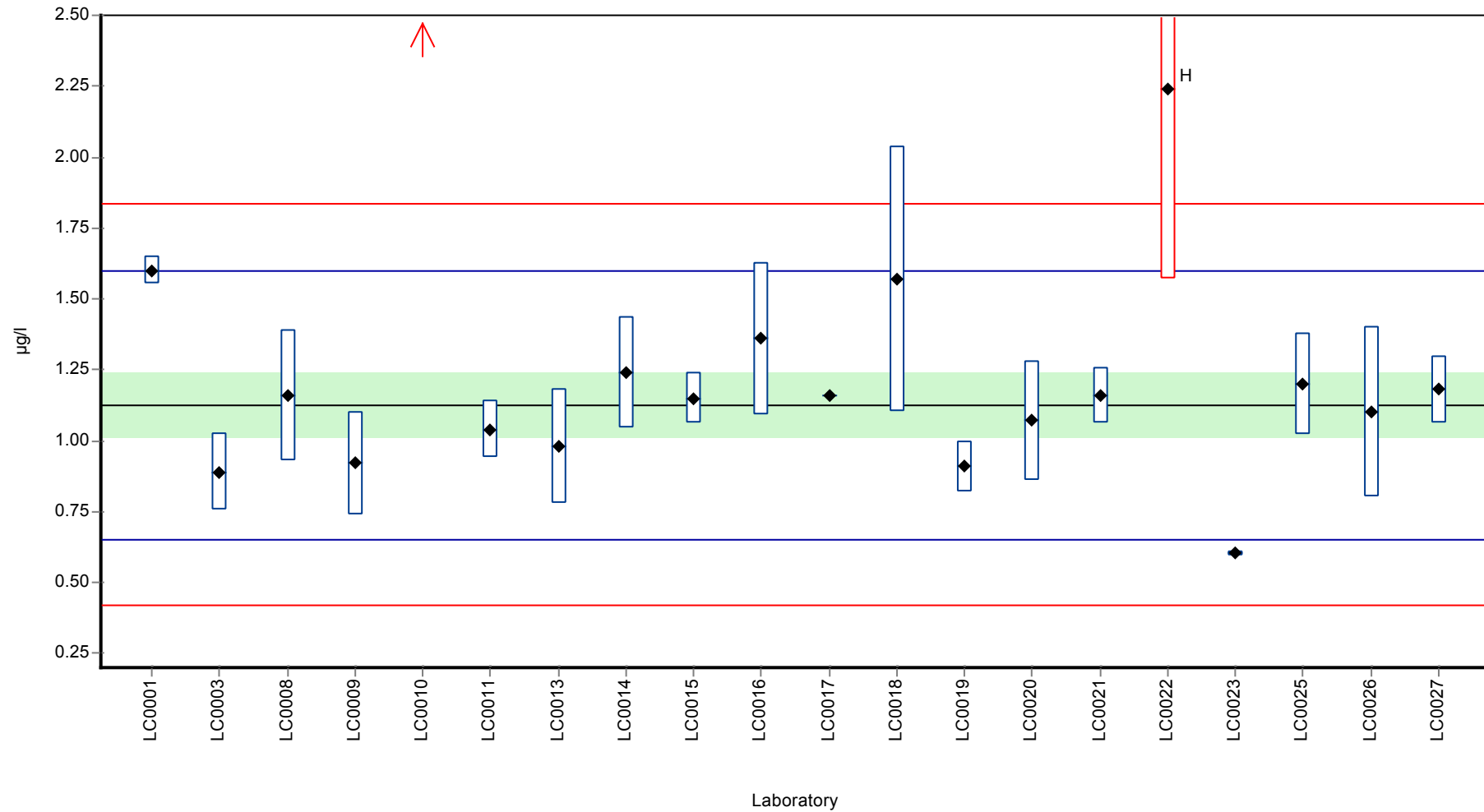
	all results	without outliers	Unit
Mean ± CI (99%)	1.28 ± 0.369	1.13 ± 0.167	µg/l
Minimum	0.602	0.602	µg/l
Maximum	3.14	1.6	µg/l
Standard deviation	0.55	0.237	µg/l
rel. Standard deviation	42.8	21	%
n	20	18	-

Parameter oriented report Volatile halogenated hydrocarbons (VHH) and BTEX/MTBE - CB03

Sample: CB03AVHH, Parameter: 1,1-Dichloroethene

Graphical presentation of results

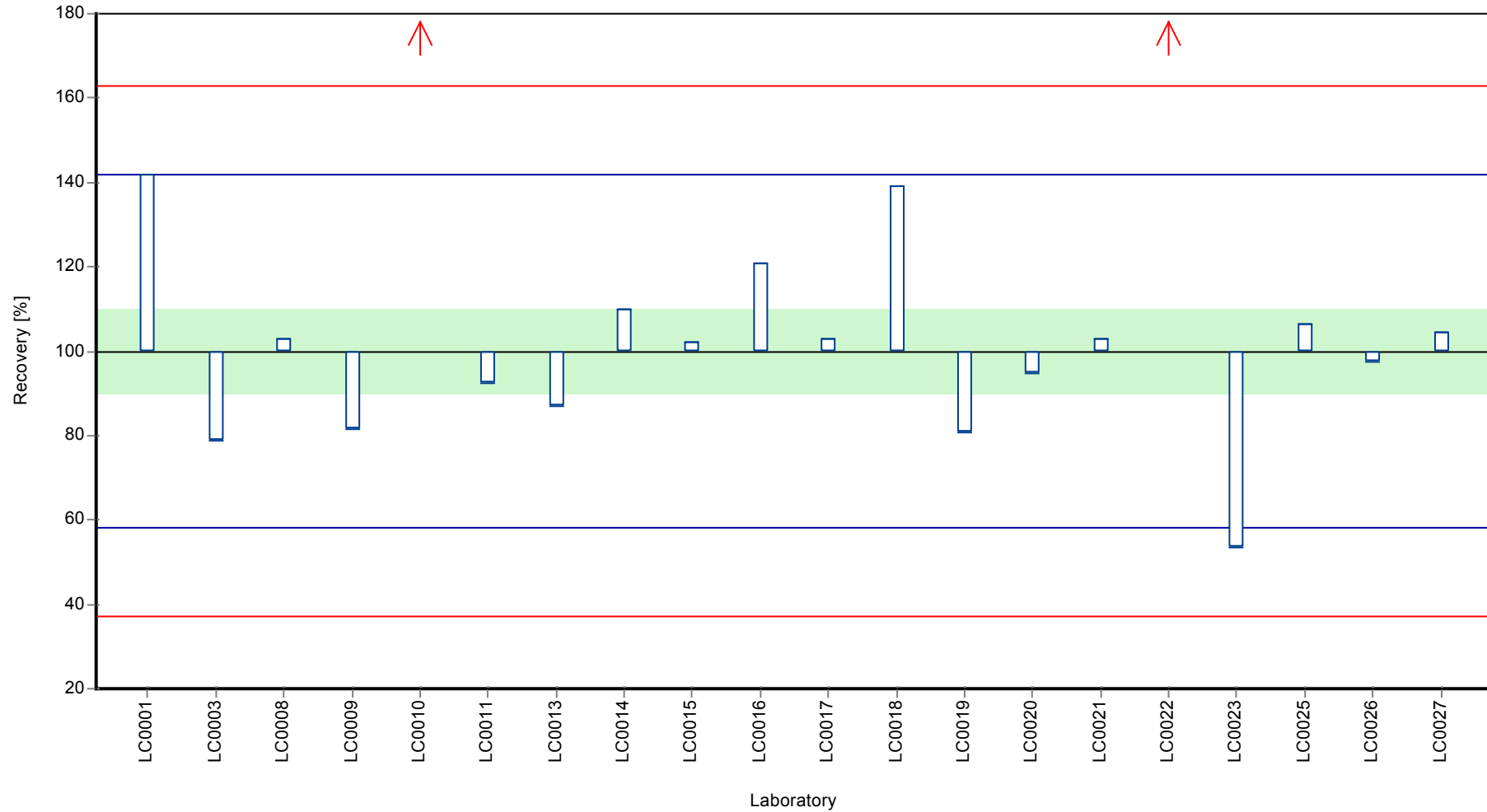
Results



Parameter oriented report Volatile halogenated hydrocarbons (VHH) and BTEX/MTBE - CB03

Sample: CB03AVHH, Parameter: 1,1-Dichloroethene

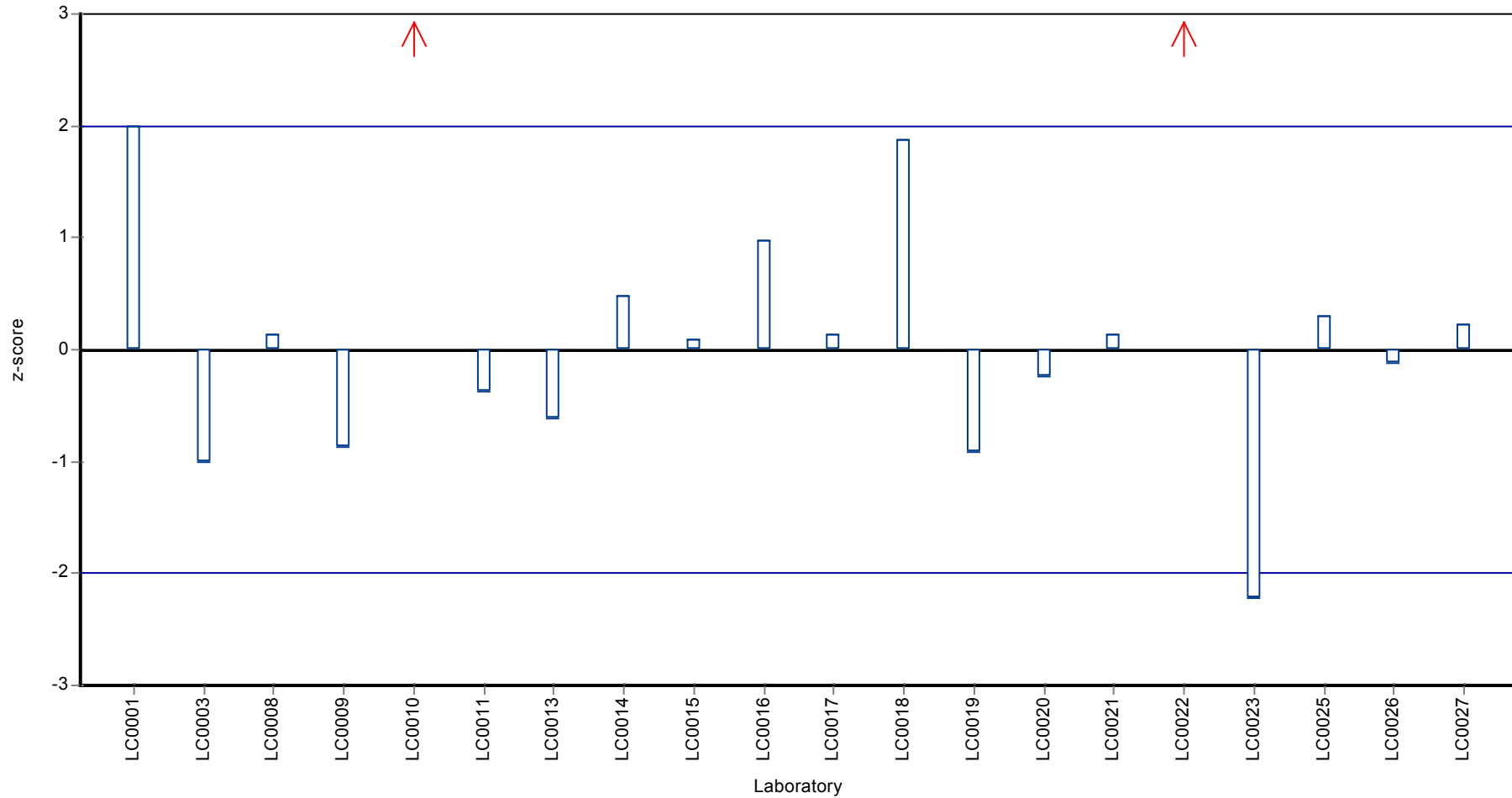
**Recovery rate**



Parameter oriented report Volatile halogenated hydrocarbons (VHH) and BTEX/MTBE - CB03

Sample: CB03AVHH, Parameter: 1,1-Dichloroethene

**Z-score**



Parameter oriented report Volatile halogenated hydrocarbons (VHH) and BTEX/MTBE - CB03

Sample: CB03BVHH, Parameter: 1,1-Dichloroethene

## Parameter oriented report

### CB03 B - VHH

#### 1,1-Dichloroethene

Unit	µg/l
Mean ± CI (99%)	3.19 ± 0.526
Minimum - Maximum	1.77 - 4.7
Control test value ± U	3.82 ± 0.201

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	4.7	0.1	148	1.98	
LC0002	-	-	-	-	
LC0003	2.56	0.384	80.3	-0.82	
LC0006	-	-	-	-	
LC0007	-	-	-	-	
LC0008	3.09	0.62	97	-0.13	
LC0009	2.8	0.56	87.9	-0.51	
LC0010	9.949	1.989	312	8.84	H
LC0011	2.84	0.28	89.1	-0.45	
LC0012	-	-	-	-	
LC0013	3.11	0.62	97.6	-0.1	
LC0014	2.75	0.44	86.3	-0.57	
LC0015	2.88	0.085	90.4	-0.4	
LC0016	3.87	0.77	121	0.89	
LC0017	3.33	-	105	0.19	
LC0018	4.66	1.4	146	1.93	
LC0019	1.77	0.19	55.6	-1.85	
LC0020	2.86	0.57	89.8	-0.43	
LC0021	3.27	0.3	103	0.11	
LC0022	4.23	1.27	133	1.37	
LC0023	2.02	0.205	63.4	-1.53	
LC0025	3.21	0.48	101	0.03	
LC0026	3.2	0.7	100	0.02	
LC0027	3.39	0.34	106	0.27	

#### Characteristics of parameter

	all results	without outliers	Unit
Mean ± CI (99%)	3.52 ± 1.13	3.19 ± 0.526	µg/l
Minimum	1.77	1.77	µg/l
Maximum	9.95	4.7	µg/l
Standard deviation	1.69	0.765	µg/l
rel. Standard deviation	47.8	24	%
n	20	19	-

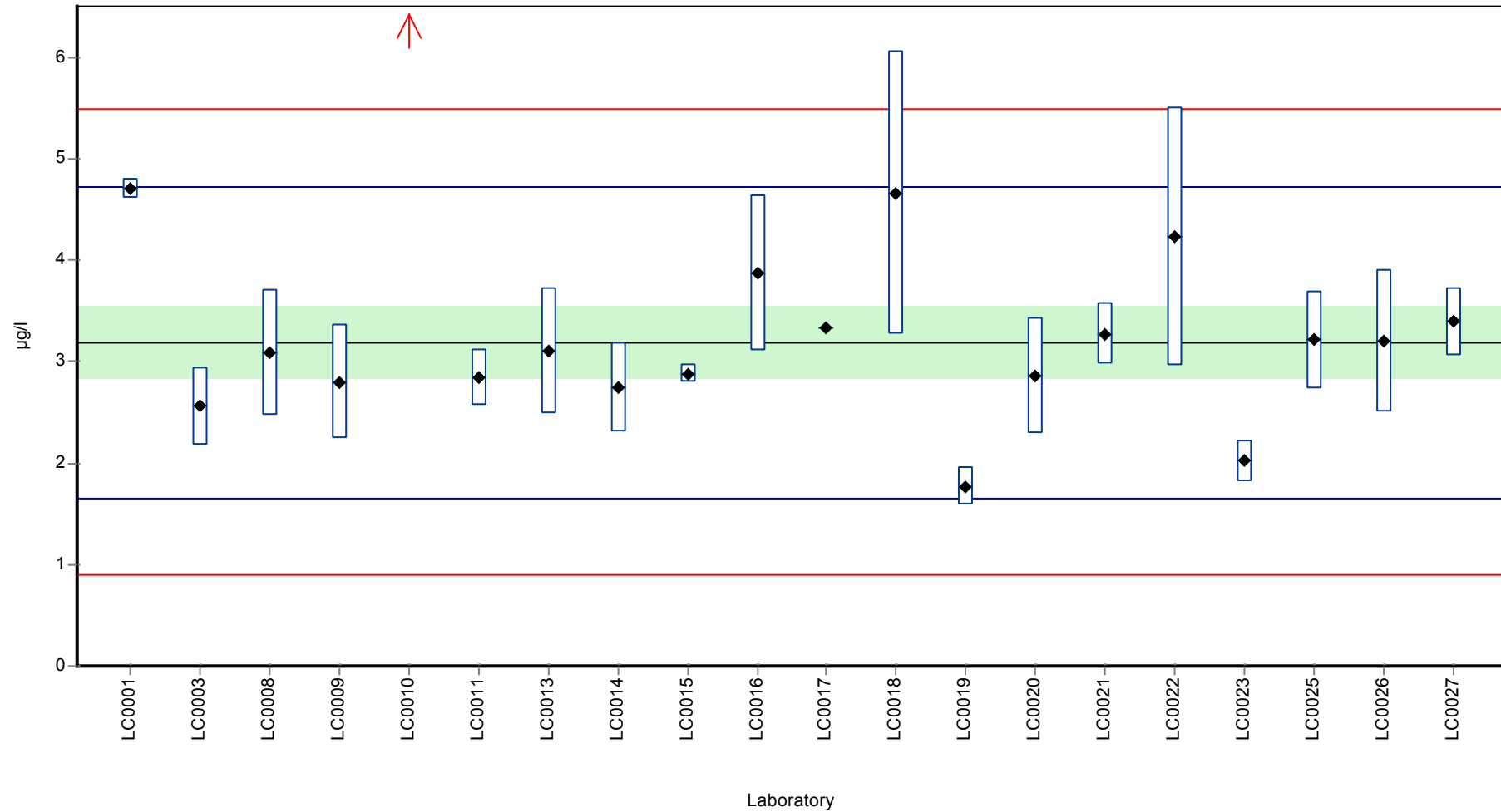


Parameter oriented report Volatile halogenated hydrocarbons (VHH) and BTEX/MTBE - CB03

Sample: CB03BVHH, Parameter: 1,1-Dichloroethene

Graphical presentation of results

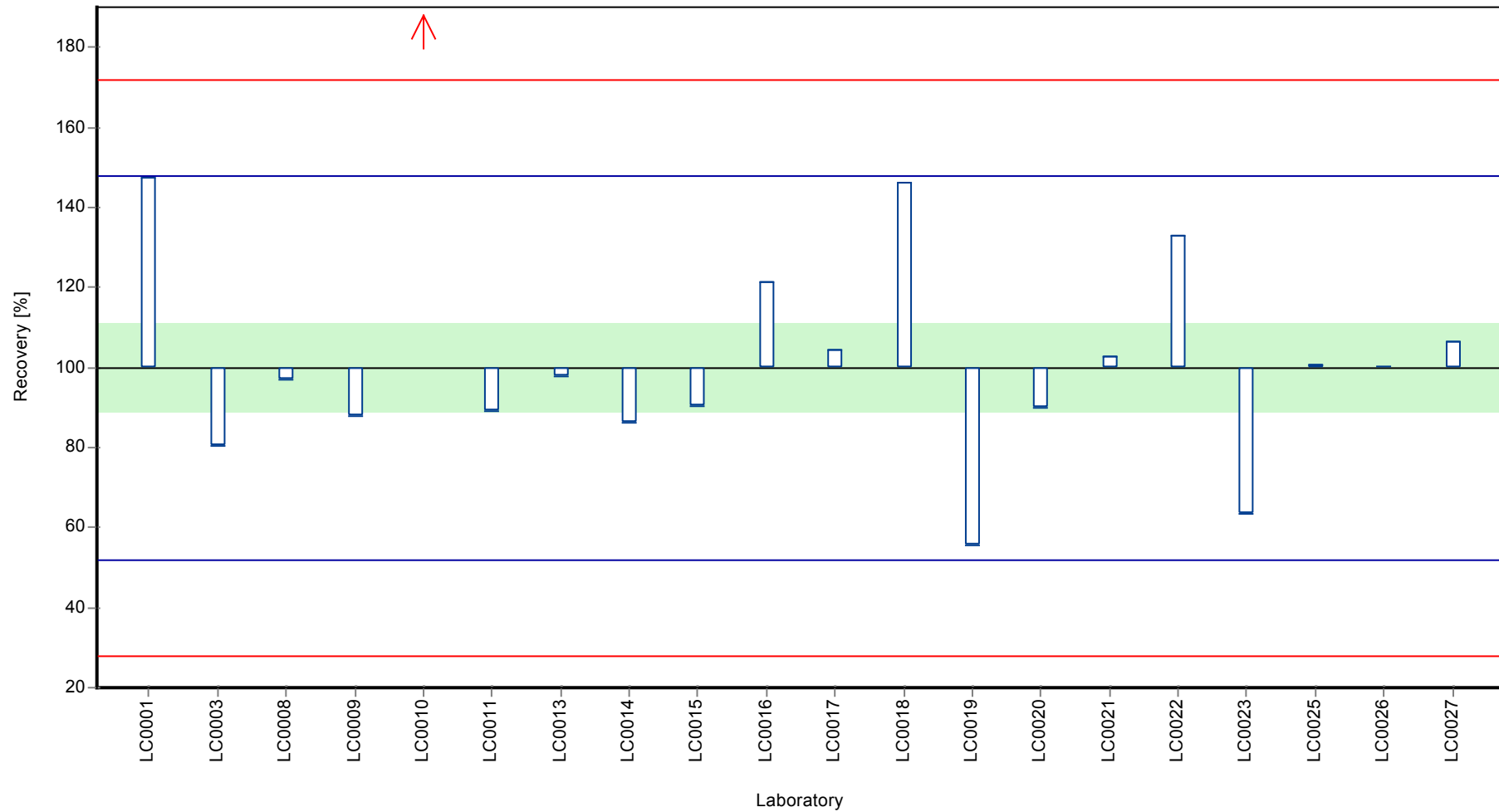
Results



Parameter oriented report Volatile halogenated hydrocarbons (VHH) and BTEX/MTBE - CB03

Sample: CB03BVHH, Parameter: 1,1-Dichloroethene

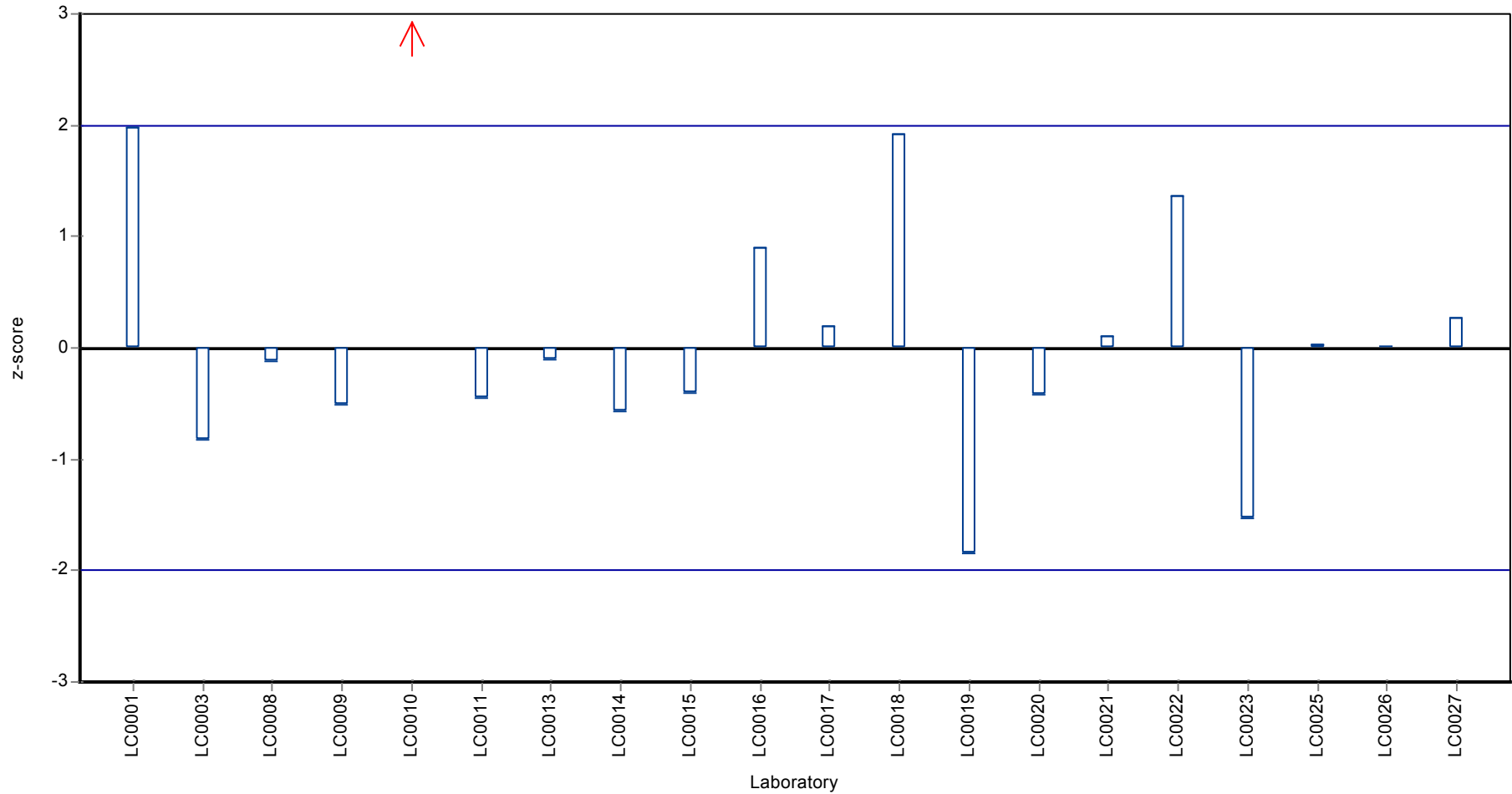
**Recovery rate**



Parameter oriented report Volatile halogenated hydrocarbons (VHH) and BTEX/MTBE - CB03

Sample: CB03BVHH, Parameter: 1,1-Dichloroethene

**Z-score**



Parameter oriented report Volatile halogenated hydrocarbons (VHH) and BTEX/MTBE - CB03

Sample: CB03AVHH, Parameter: 1,2-Dichloroethane

## Parameter oriented report

### CB03 A - VHH

#### 1,2-Dichloroethane

Unit	µg/l
Mean ± CI (99%)	3.63 ± 0.376
Minimum - Maximum	2.38 - 4.53
Control test value ± U	3.66 ± 0.151

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	3.7	0.1	102	0.12	
LC0002	-	-	-	-	
LC0003	3.29	0.493	90.6	-0.61	
LC0006	-	-	-	-	
LC0007	3.16	0.4	87	-0.84	
LC0008	2.6	0.52	71.6	-1.84	
LC0009	3.31	0.66	91.2	-0.57	
LC0010	5.259	1.052	145	2.91	H
LC0011	4.33	0.43	119	1.25	
LC0012	-	-	-	-	
LC0013	3.6	0.72	99.1	-0.06	
LC0014	4.11	1.069	113	0.85	
LC0015	3.57	0.221	98.3	-0.11	
LC0016	4.53	0.91	125	1.6	
LC0017	3.65	-	101	0.03	
LC0018	3.56	1.07	98	-0.13	
LC0019	4.38	0.15	121	1.34	
LC0020	3.45	0.69	95	-0.32	
LC0021	3.34	0.3	92	-0.52	
LC0022	3.69	1.11	102	0.1	
LC0023	2.377	0.022	65.5	-2.24	
LC0025	3.69	0.55	102	0.1	
LC0026	4.4	0.9	121	1.37	
LC0027	3.89	0.39	107	0.46	

#### Characteristics of parameter

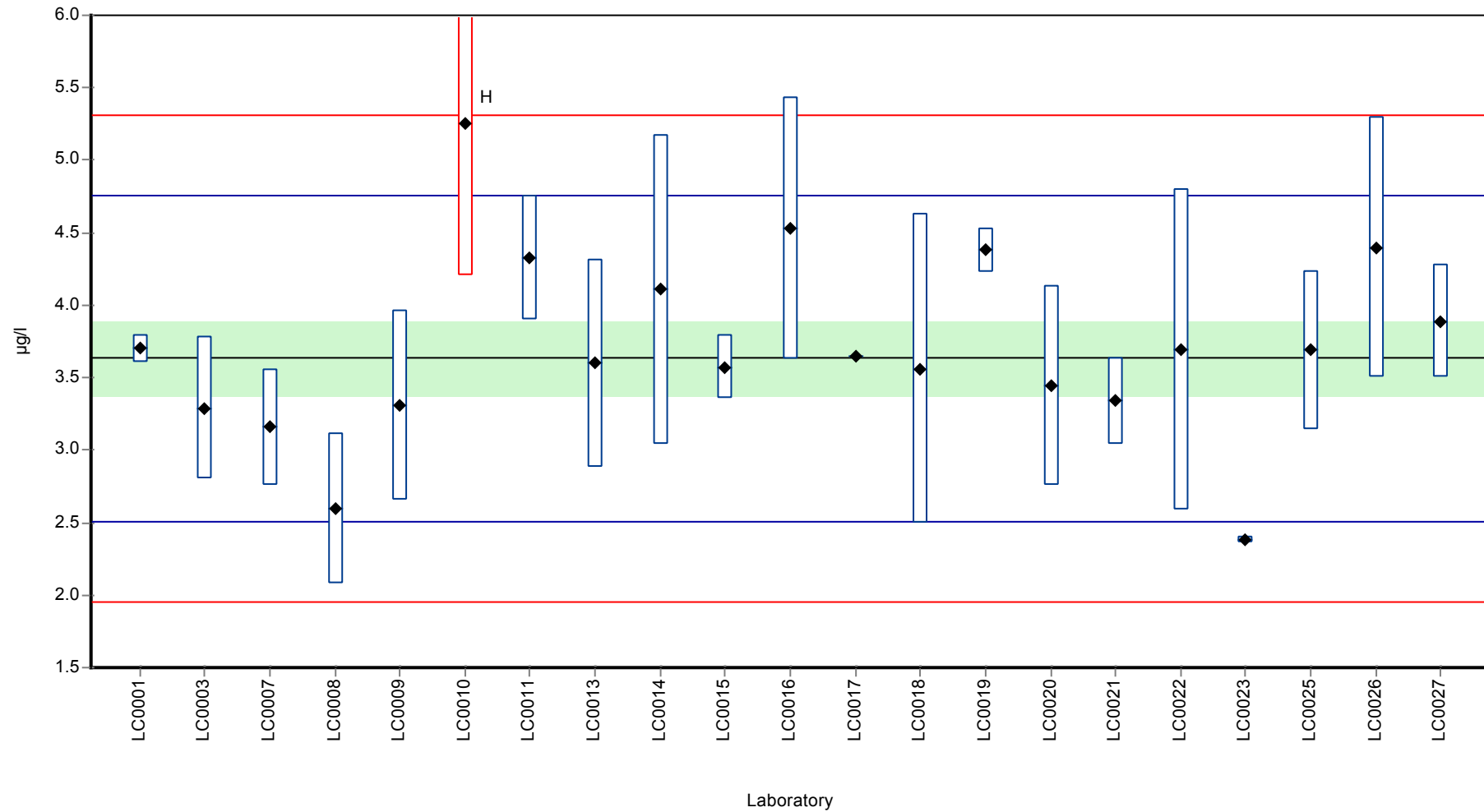
	all results	without outliers	Unit
Mean ± CI (99%)	3.71 ± 0.426	3.63 ± 0.376	µg/l
Minimum	2.38	2.38	µg/l
Maximum	5.26	4.53	µg/l
Standard deviation	0.651	0.56	µg/l
rel. Standard deviation	17.6	15.4	%
n	21	20	-

Parameter oriented report Volatile halogenated hydrocarbons (VHH) and BTEX/MTBE - CB03

Sample: CB03AVHH, Parameter: 1,2-Dichloroethane

Graphical presentation of results

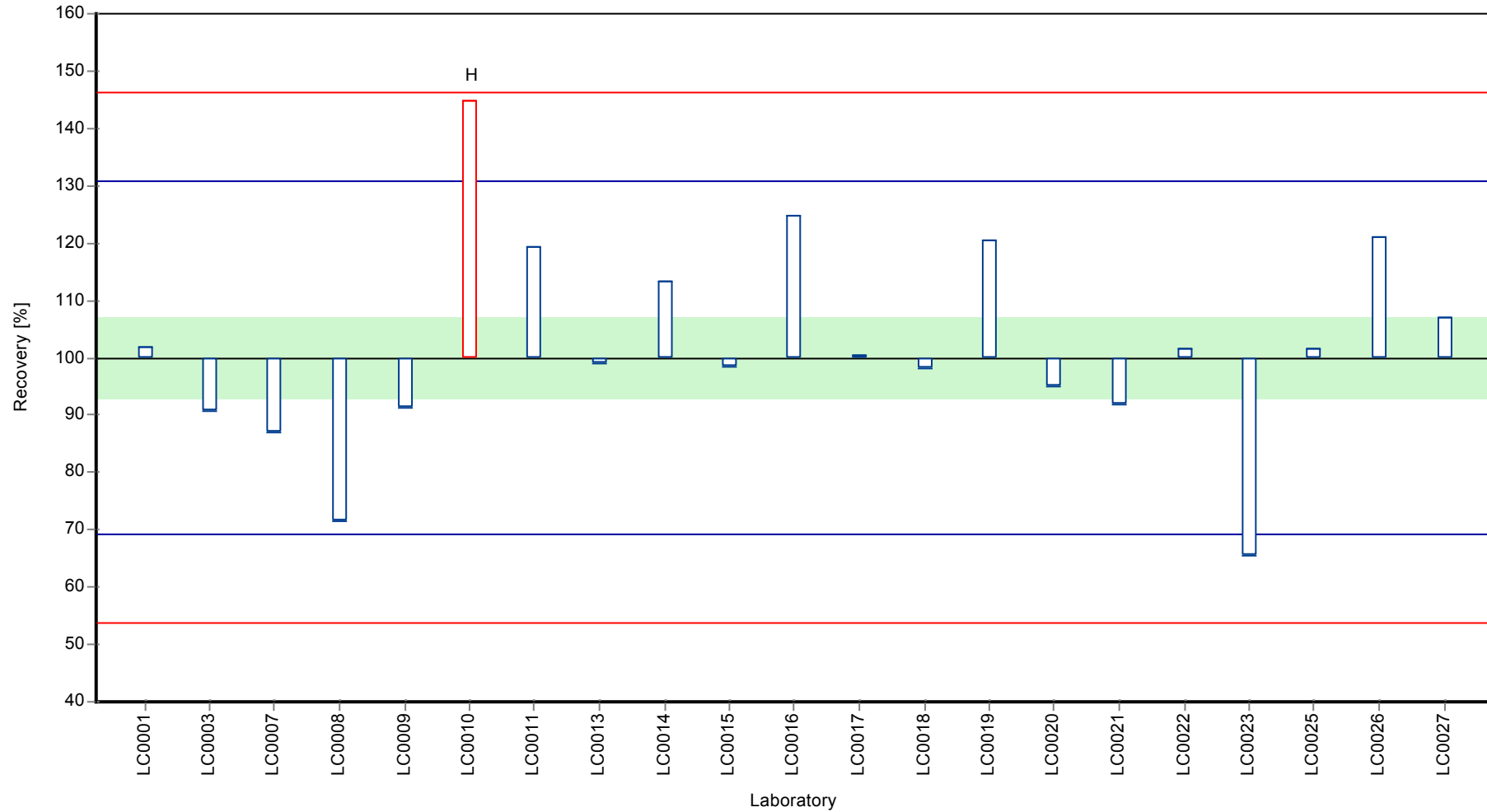
Results



Parameter oriented report Volatile halogenated hydrocarbons (VHH) and BTEX/MTBE - CB03

Sample: CB03AVHH, Parameter: 1,2-Dichloroethane

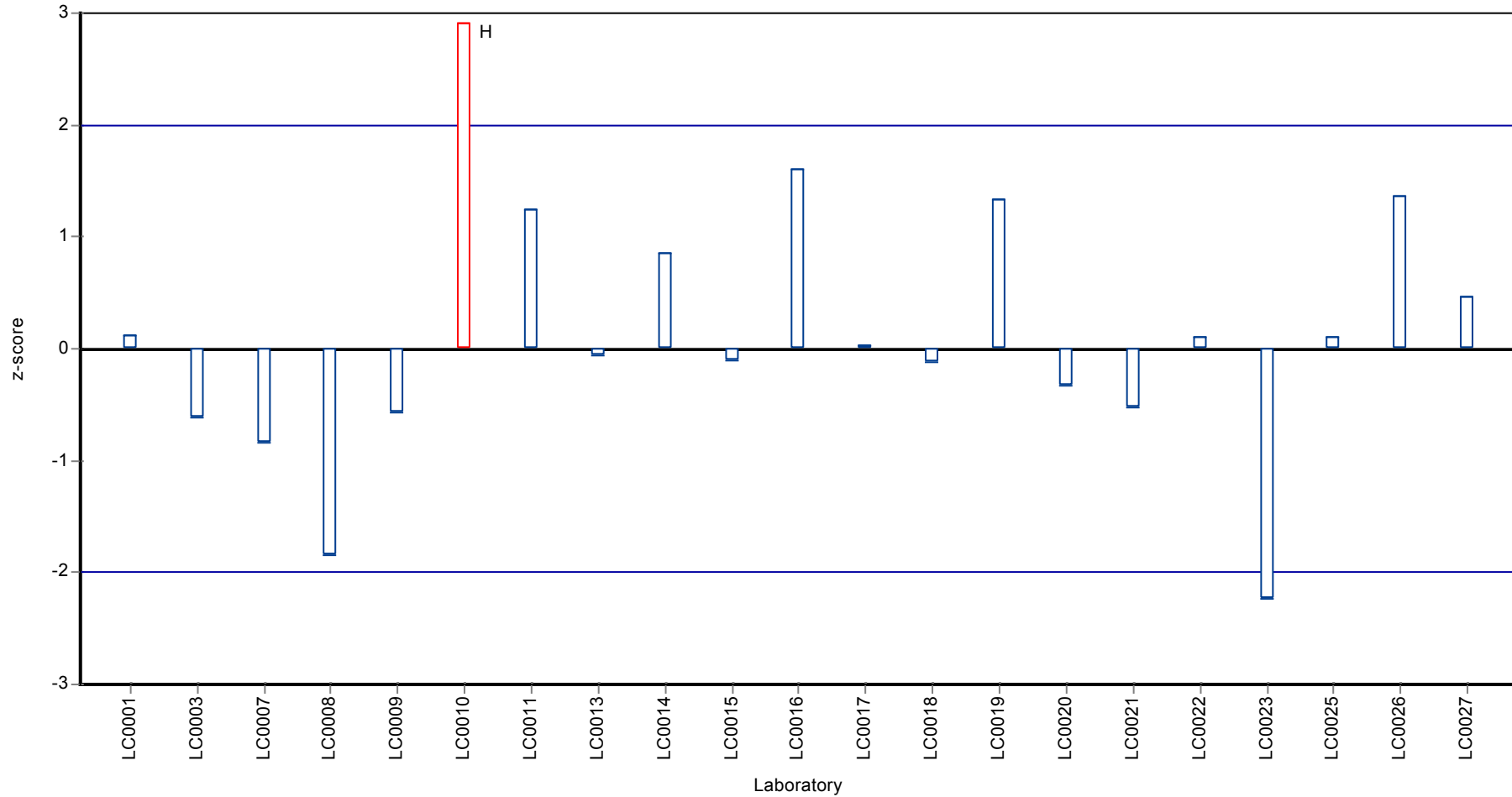
**Recovery rate**



Parameter oriented report Volatile halogenated hydrocarbons (VHH) and BTEX/MTBE - CB03

Sample: CB03AVHH, Parameter: 1,2-Dichloroethane

**Z-score**



Parameter oriented report Volatile halogenated hydrocarbons (VHH) and BTEX/MTBE - CB03

Sample: CB03BVHH, Parameter: 1,2-Dichloroethane

## Parameter oriented report

### CB03 B - VHH

#### 1,2-Dichloroethane

Unit	µg/l
Mean ± CI (99%)	4.53 ± 0.5
Minimum - Maximum	2.98 - 6.15
Control test value ± U	4.50 ± 0.242

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	4.9	0.1	108	0.48	
LC0002	-	-	-	-	
LC0003	4.41	0.662	97.3	-0.16	
LC0006	-	-	-	-	
LC0007	3.86	0.4	85.2	-0.88	
LC0008	4.71	0.94	104	0.24	
LC0009	4	0.8	88.3	-0.69	
LC0010	5.763	1.153	127	1.62	
LC0011	5.15	0.52	114	0.81	
LC0012	-	-	-	-	
LC0013	4.42	0.88	97.6	-0.14	
LC0014	5.04	1.31	111	0.67	
LC0015	4.23	0.401	93.4	-0.39	
LC0016	6.15	1.23	136	2.12	
LC0017	4.36	-	96.2	-0.22	
LC0018	4.3	1.29	94.9	-0.3	
LC0019	3.13	0.45	69.1	-1.83	
LC0020	4.01	0.8	88.5	-0.68	
LC0021	4.08	0.4	90.1	-0.59	
LC0022	4.65	1.39	103	0.16	
LC0023	2.979	0.264	65.8	-2.03	
LC0025	4.88	0.73	108	0.46	
LC0026	5.4	1.1	119	1.14	
LC0027	4.71	0.47	104	0.24	

#### Characteristics of parameter

	all results	without outliers	Unit
Mean ± CI (99%)	4.53 ± 0.5	4.53 ± 0.5	µg/l
Minimum	2.98	2.98	µg/l
Maximum	6.15	6.15	µg/l
Standard deviation	0.763	0.763	µg/l
rel. Standard deviation	16.8	16.8	%
n	21	21	-

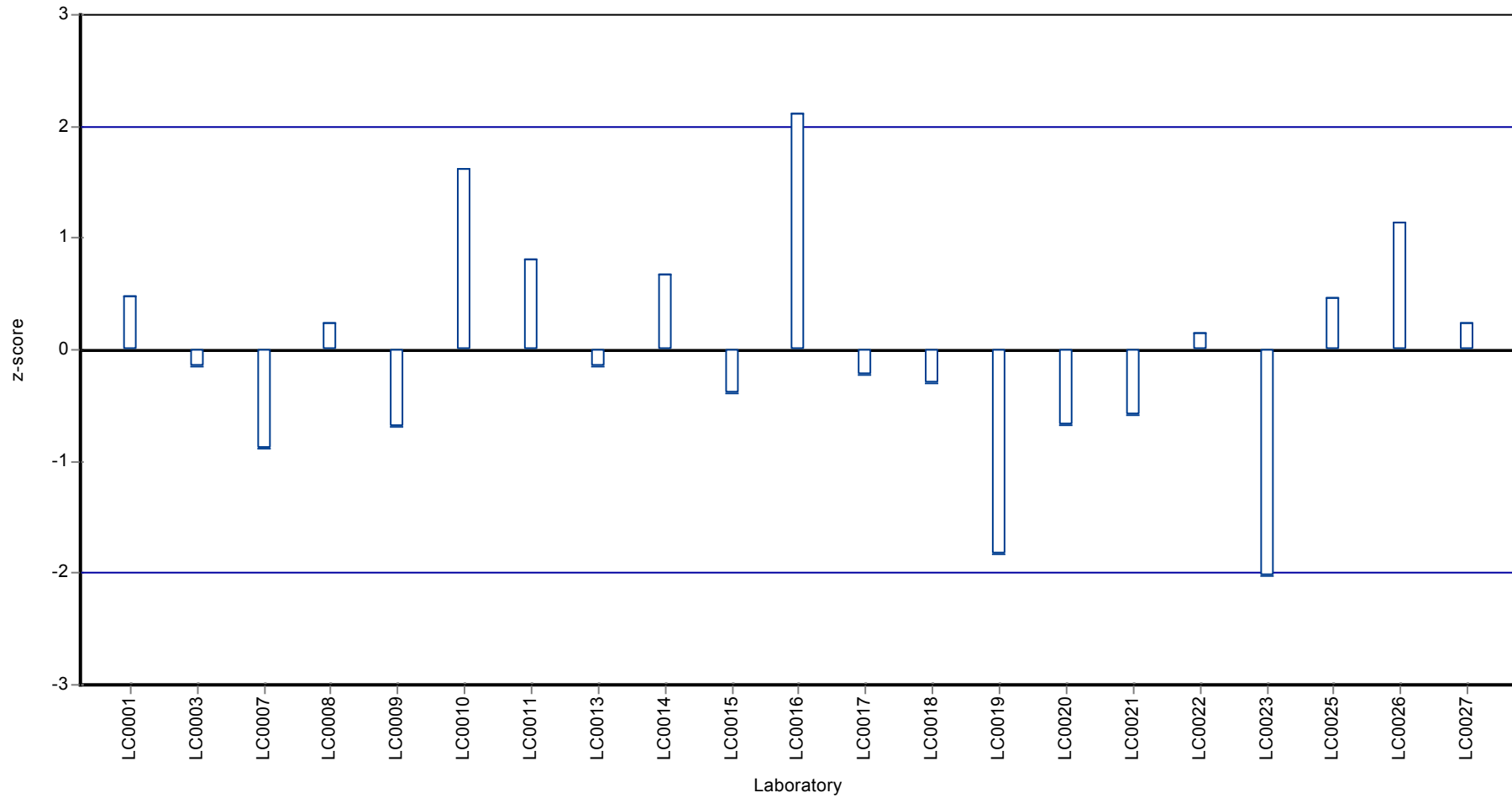


Parameter oriented report Volatile halogenated hydrocarbons (VHH) and BTEX/MTBE - CB03

Sample: CB03BVHH, Parameter: 1,2-Dichloroethane

**Graphical presentation of results**

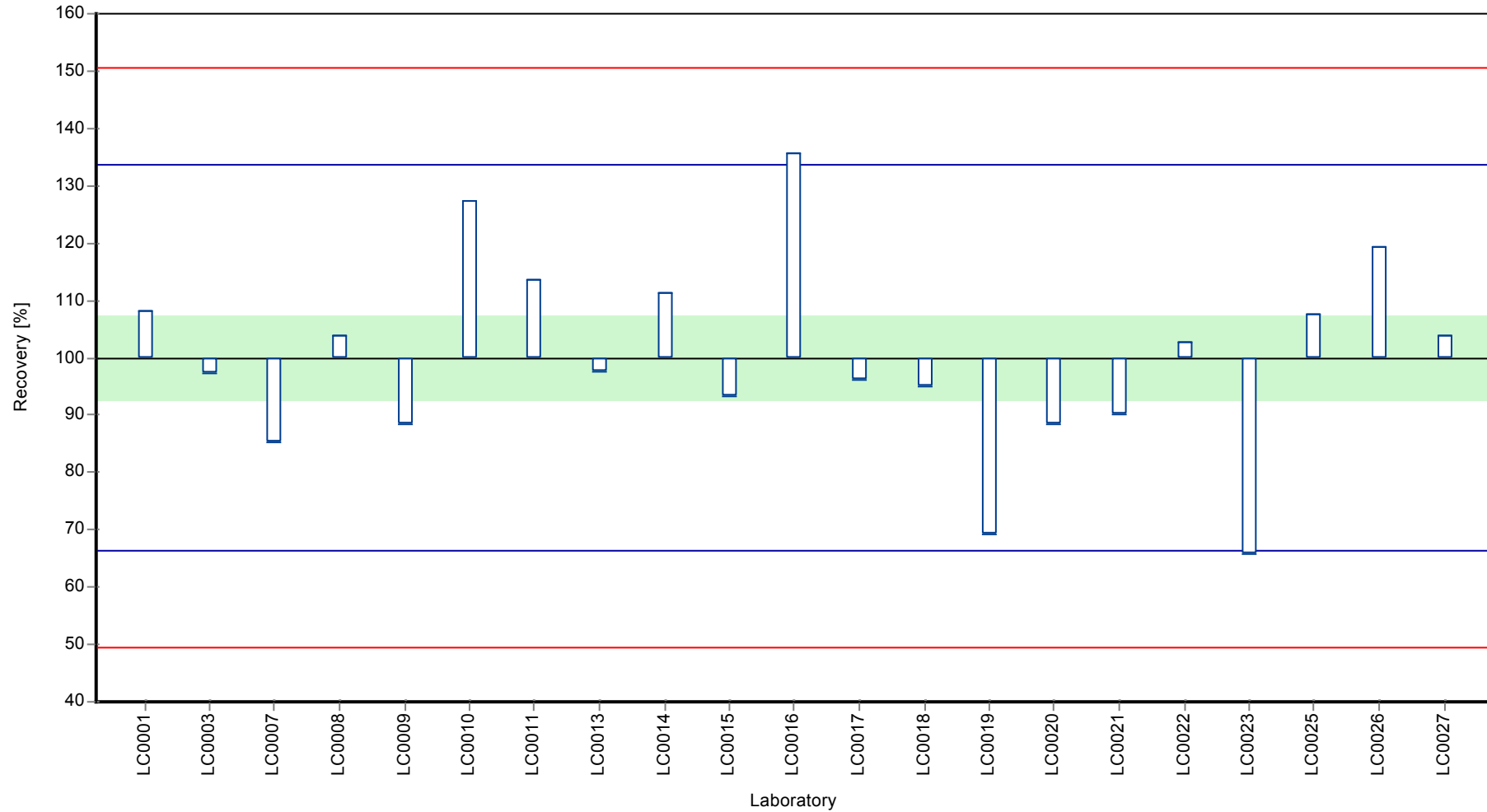
**Results**



Parameter oriented report Volatile halogenated hydrocarbons (VHH) and BTEX/MTBE - CB03

Sample: CB03BVHH, Parameter: 1,2-Dichloroethane

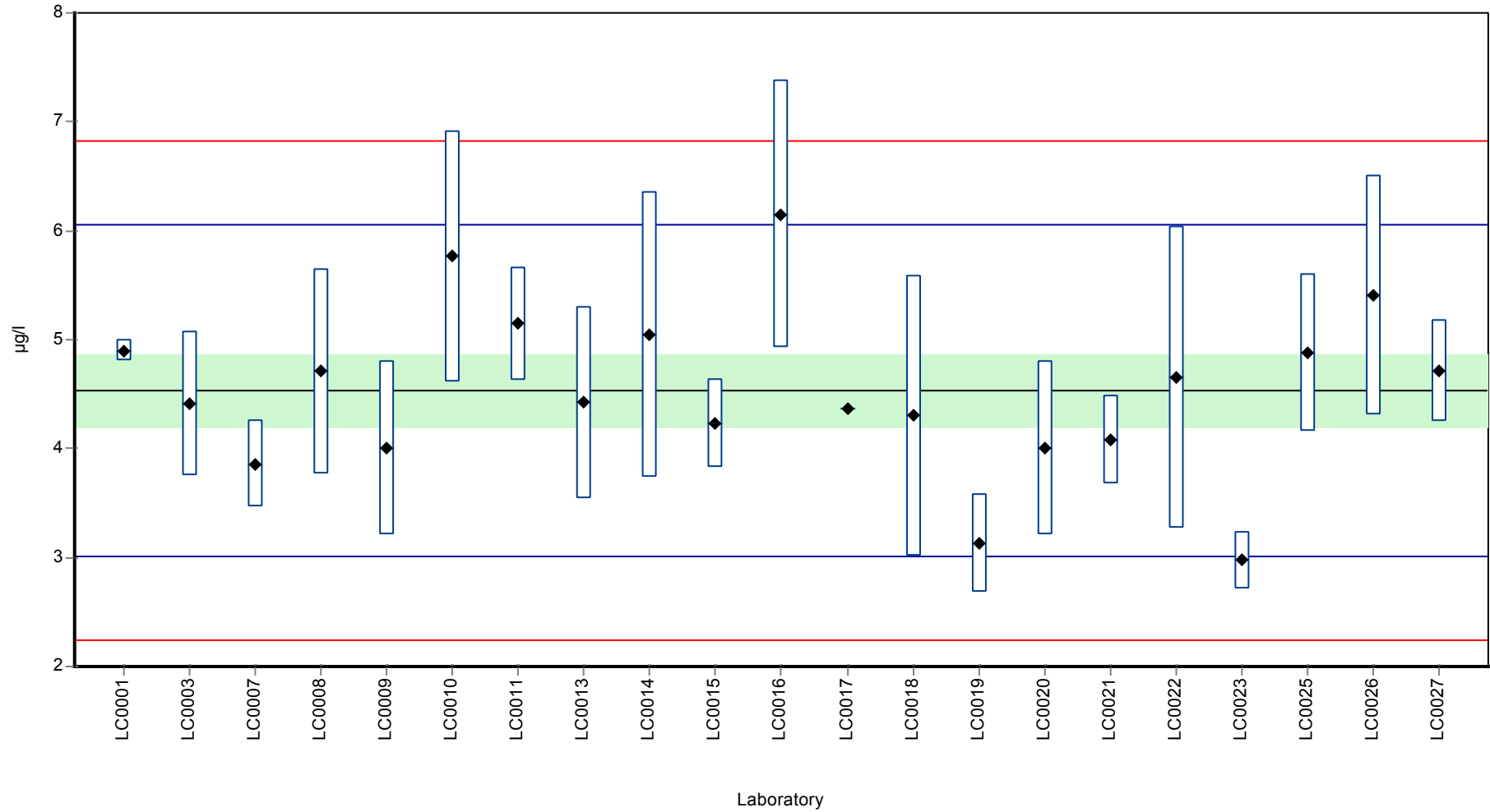
**Recovery rate**



Parameter oriented report Volatile halogenated hydrocarbons (VHH) and BTEX/MTBE - CB03

Sample: CB03BVHH, Parameter: 1,2-Dichloroethane

Z-score



Parameter oriented report Volatile halogenated hydrocarbons (VHH) and BTEX/MTBE - CB03

Sample: CB03AVHH, Parameter:  
Bromodichloromethane

## Parameter oriented report

### CB03 A - VHH

#### Bromodichloromethane

Unit	µg/l
Mean ± CI (99%)	-
Minimum - Maximum	-
Control test value ± U	<0.20 (LOD)

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	< 1 (LOQ)	-	-	-	
LC0002	-	-	-	-	
LC0003	< 0.1 (LOQ)	-	-	-	
LC0006	-	-	-	-	
LC0007	< 0.2 (LOQ)	-	-	-	
LC0008	< 0.05 (LOQ)	-	-	-	
LC0009	<0.1 (LOD)	-	-	-	
LC0010	< 0.5 (LOQ)	-	-	-	
LC0011	< 0.1 (LOQ)	-	-	-	
LC0012	-	-	-	-	
LC0013	< 0.05 (LOQ)	-	-	-	
LC0014	< 0.05 (LOQ)	-	-	-	
LC0015	< 0.05 (LOQ)	-	-	-	
LC0016	< 0.04 (LOQ)	-	-	-	
LC0017	< 0.1 (LOQ)	-	-	-	
LC0018	< 0.4 (LOQ)	-	-	-	
LC0019	< 0.07 (LOQ)	-	-	-	
LC0020	< 0.045 (LOQ)	-	-	-	
LC0021	< 0.08 (LOQ)	-	-	-	
LC0022	< 0.1 (LOQ)	-	-	-	
LC0023	< 0.05 (LOQ)	-	-	-	
LC0025	< 0.1 (LOQ)	-	-	-	
LC0026	< 0.1 (LOQ)	-	-	-	
LC0027	< 0.05 (LOQ)	-	-	-	

#### Characteristics of parameter

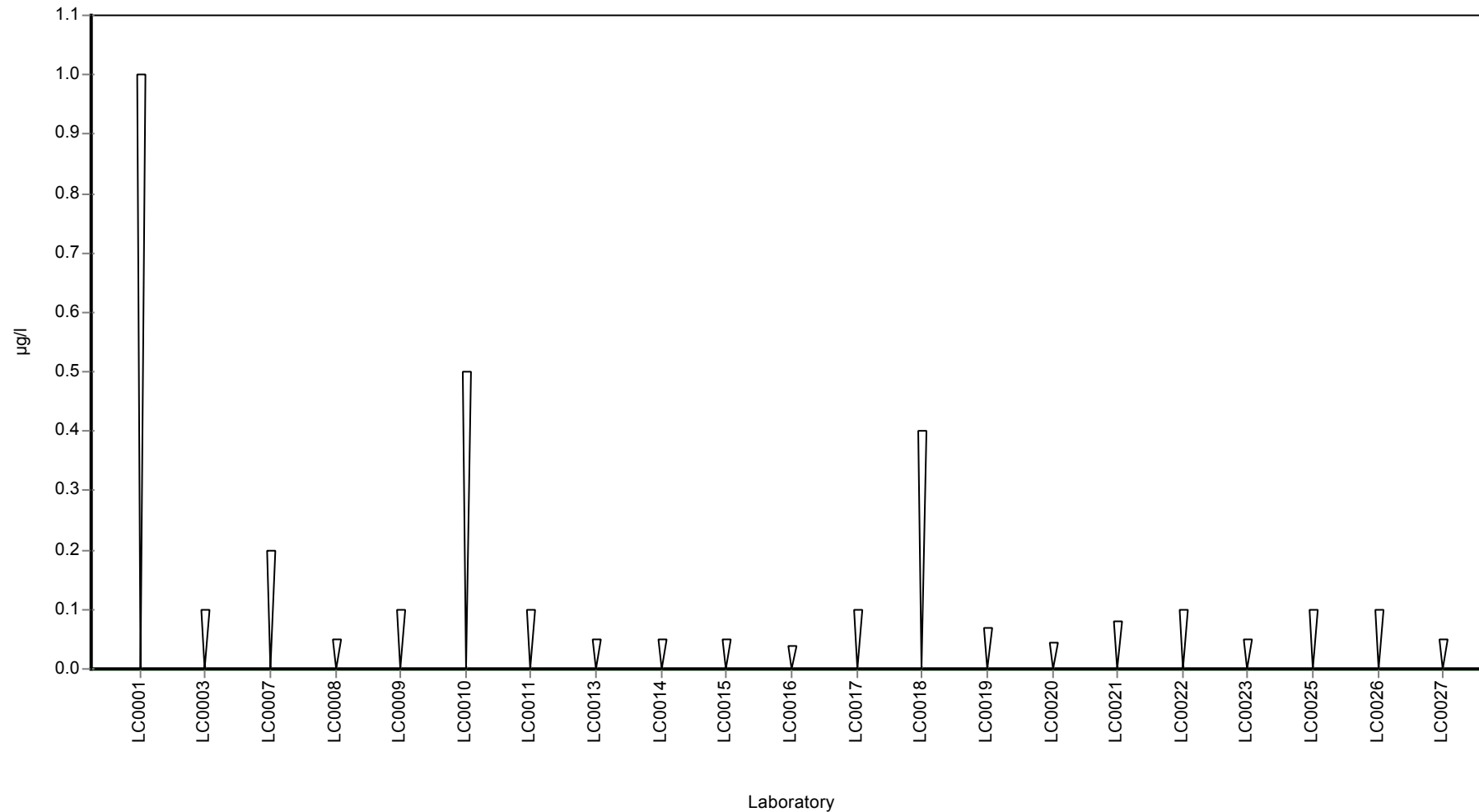
	all results	without outliers	Unit
Mean ± CI (99%)	-	-	µg/l
Minimum	-	-	µg/l
Maximum	-	-	µg/l
Standard deviation	-	-	µg/l
rel. Standard deviation	-	-	%
n	0	0	-

Parameter oriented report Volatile halogenated hydrocarbons (VHH) and BTEX/MTBE - CB03

Sample: CB03AVHH, Parameter: Bromodichloromethane

**Graphical presentation of results**

**Results**



Parameter oriented report Volatile halogenated hydrocarbons (VHH) and BTEX/MTBE - CB03

Sample: CB03BVHH, Parameter: Bromodichloromethane

## Parameter oriented report

### CB03 B - VHH

#### Bromodichloromethane

Unit	µg/l
Mean ± CI (99%)	3.64 ± 0.155
Minimum - Maximum	3.38 - 4.1
Control test value ± U	3.82 ± 0.614

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	3.6	0.1	99	-0.18	
LC0002	-	-	-	-	
LC0003	3.64	0.546	100	0.01	
LC0006	-	-	-	-	
LC0007	3.47	0.4	95.4	-0.81	
LC0008	3.49	0.7	96	-0.71	
LC0009	3.41	0.68	93.8	-1.1	
LC0010	3.554	0.711	97.7	-0.4	
LC0011	3.6	0.36	99	-0.18	
LC0012	-	-	-	-	
LC0013	3.86	0.77	106	1.08	
LC0014	4.78	1.195	131	5.52	H
LC0015	3.38	0.053	92.9	-1.24	
LC0016	5.76	1.15	158	10.3	H
LC0017	3.91	-	108	1.32	
LC0018	3.43	1.03	94.3	-1	
LC0019	2.27	0.24	62.4	-6.6	H
LC0020	3.52	0.7	96.8	-0.57	
LC0021	3.59	0.4	98.7	-0.23	
LC0022	3.79	1.14	104	0.74	
LC0023	2.496	0.192	68.6	-5.51	H
LC0025	3.85	0.58	106	1.03	
LC0026	5	1	137	6.58	H
LC0027	4.1	0.41	113	2.24	

#### Characteristics of parameter

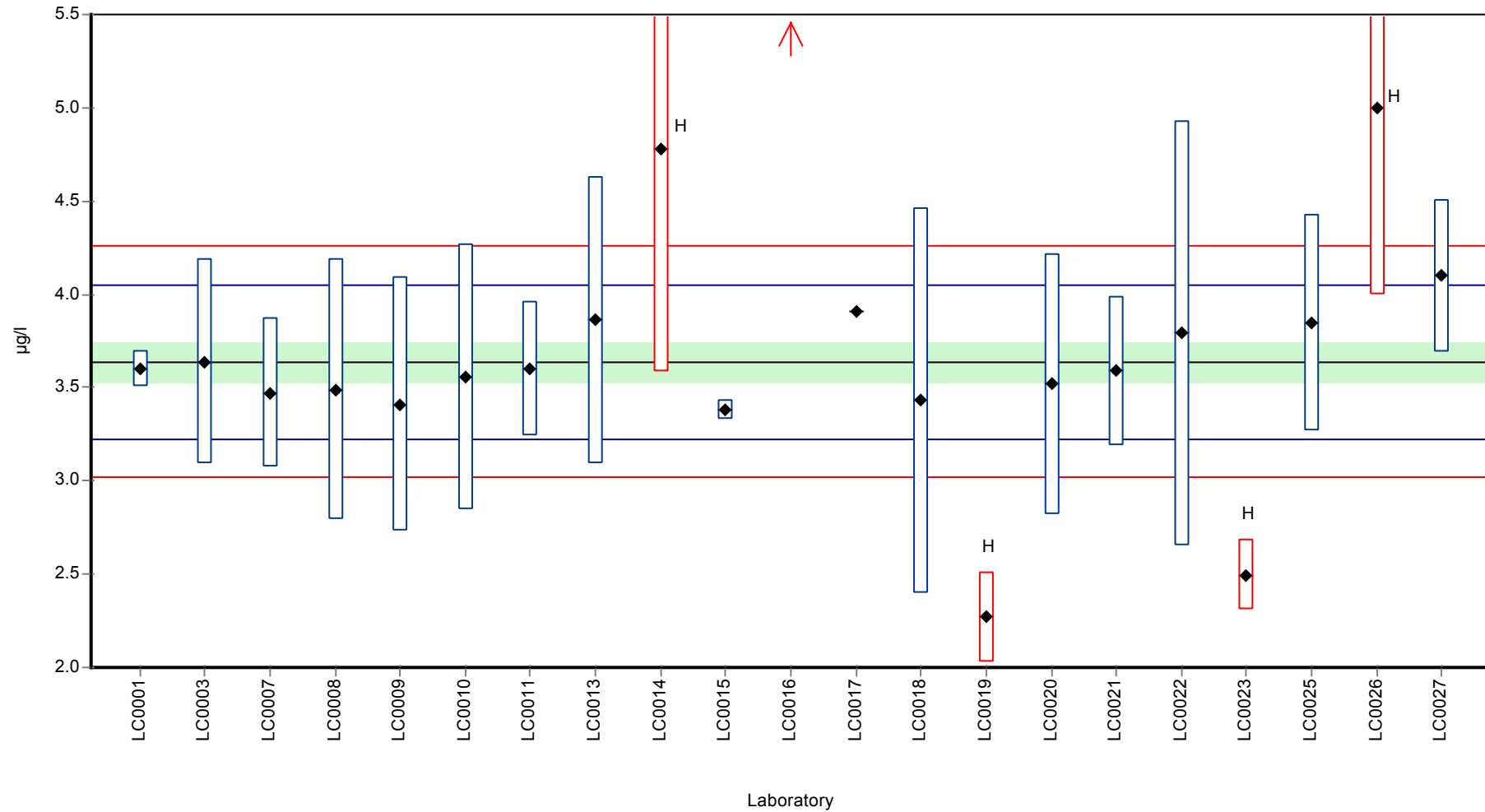
	all results	without outliers	Unit
Mean ± CI (99%)	3.74 ± 0.491	3.64 ± 0.155	µg/l
Minimum	2.27	3.38	µg/l
Maximum	5.76	4.1	µg/l
Standard deviation	0.751	0.207	µg/l
rel. Standard deviation	20.1	5.69	%
n	21	16	-

Parameter oriented report Volatile halogenated hydrocarbons (VHH) and BTEX/MTBE - CB03

Sample: CB03BVHH, Parameter: Bromodichloromethane

Graphical presentation of results

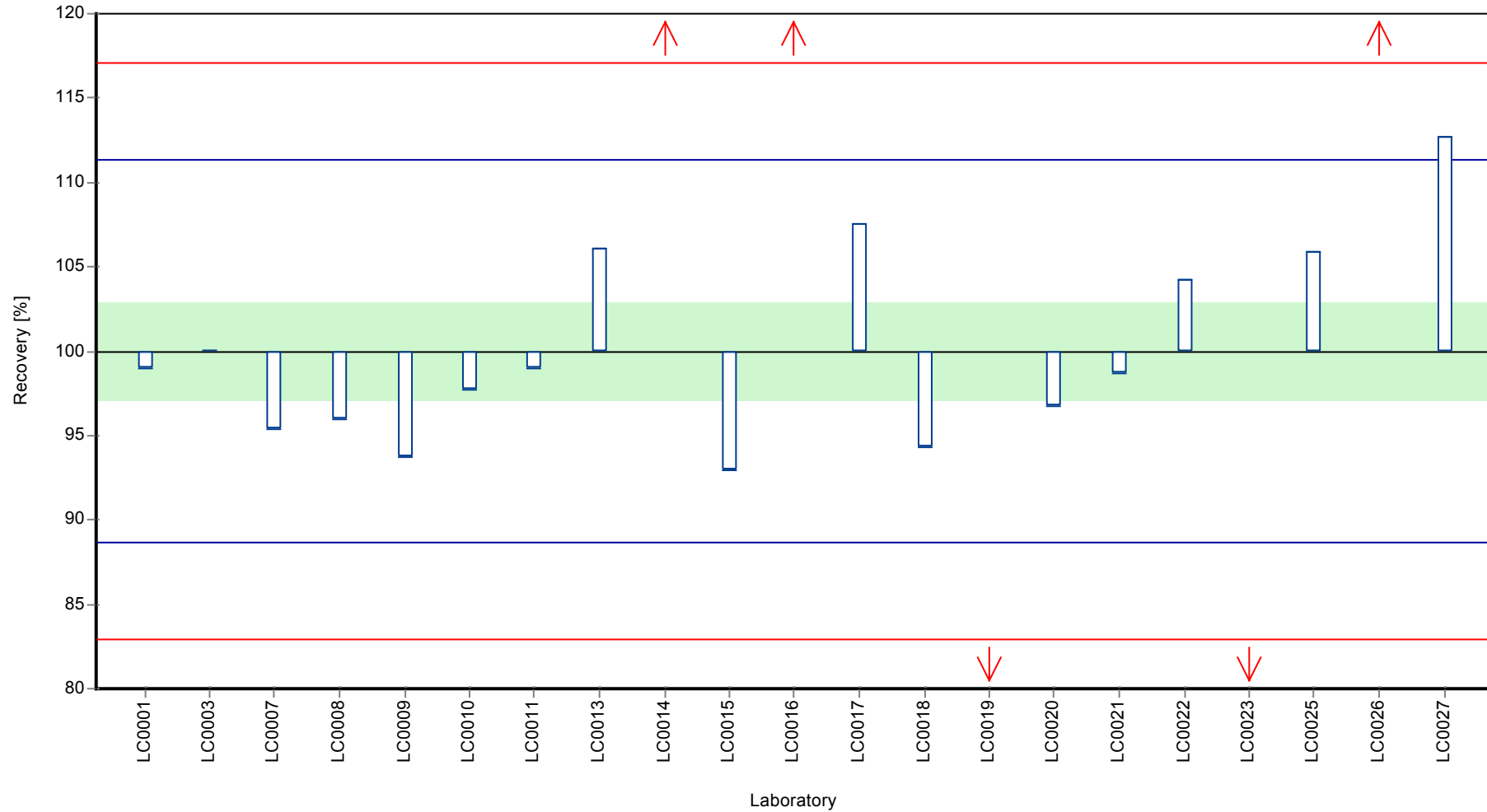
Results



Parameter oriented report Volatile halogenated hydrocarbons (VHH) and BTEX/MTBE - CB03

Sample: CB03BVHH, Parameter: Bromodichloromethane

**Recovery rate**

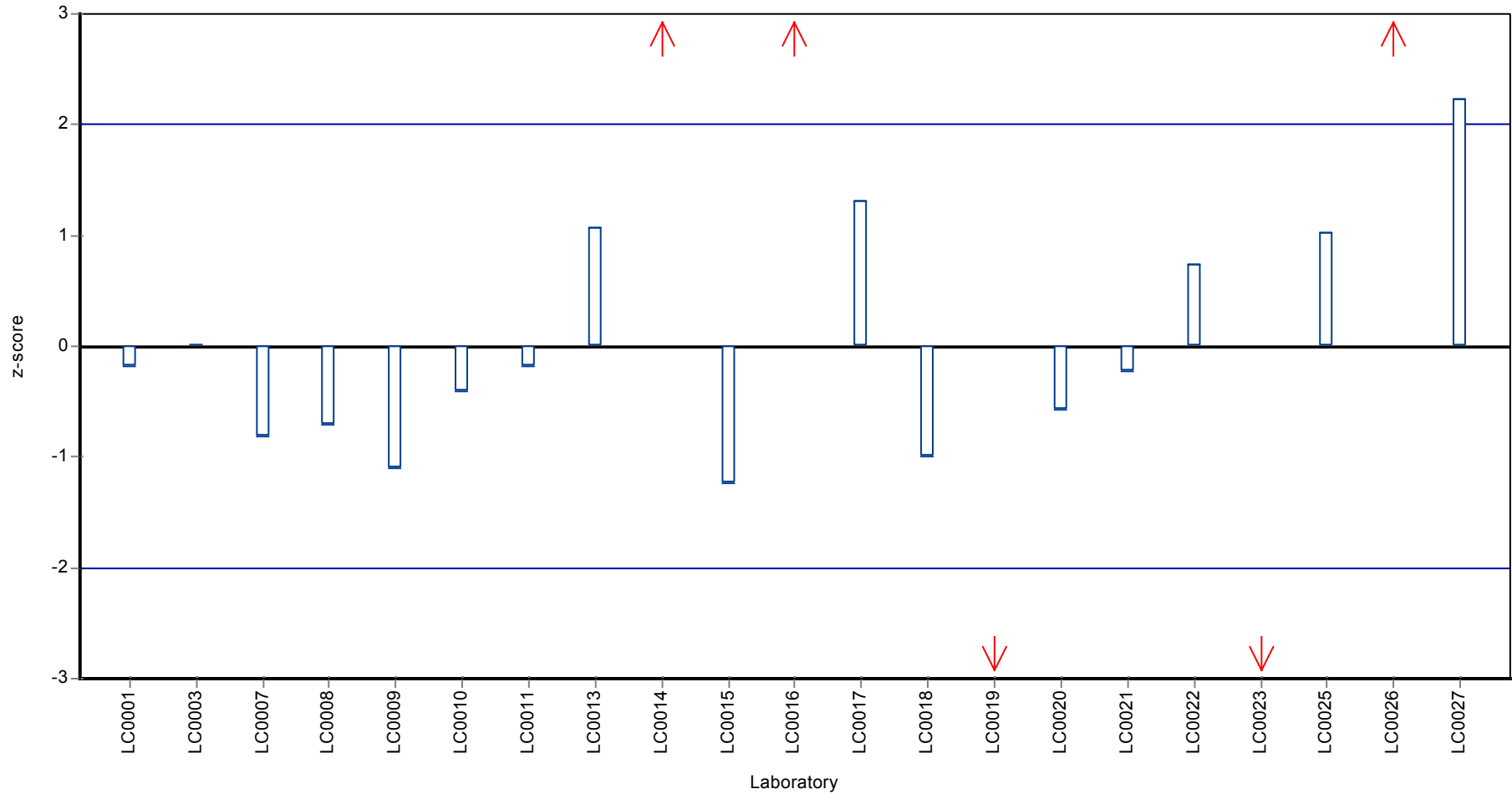




Parameter oriented report Volatile halogenated hydrocarbons (VHH) and BTEX/MTBE - CB03

Sample: CB03BVHH, Parameter: Bromodichloromethane

**Z-score**



Parameter oriented report Volatile halogenated hydrocarbons (VHH) and BTEX/MTBE - CB03

Sample: CB03AVHH, Parameter: cis-1,2-Dichloroethene

## Parameter oriented report

### CB03 A - VHH

#### cis-1,2-Dichloroethene

Unit	µg/l
Mean ± CI (99%)	-
Minimum - Maximum	-
Control test value ± U	<0.13 (LOD)

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	< 1 (LOQ)	-	-	-	
LC0002	-	-	-	-	
LC0003	< 0.4 (LOQ)	-	-	-	
LC0006	-	-	-	-	
LC0007	< 0.2 (LOQ)	-	-	-	
LC0008	< 0.05 (LOQ)	-	-	-	
LC0009	<0.1 (LOD)	-	-	-	
LC0010	< 0.5 (LOQ)	-	-	-	
LC0011	< 0.1 (LOQ)	-	-	-	
LC0012	-	-	-	-	
LC0013	< 0.05 (LOQ)	-	-	-	
LC0014	< 0.05 (LOQ)	-	-	-	
LC0015	< 0.4 (LOQ)	-	-	-	
LC0016	< 0.04 (LOQ)	-	-	-	
LC0017	< 0.1 (LOQ)	-	-	-	
LC0018	< 0.4 (LOQ)	-	-	-	
LC0019	< 0.55 (LOQ)	-	-	-	
LC0020	< 0.06 (LOQ)	-	-	-	
LC0021	< 0.2 (LOQ)	-	-	-	
LC0022	< 0.1 (LOQ)	-	-	-	
LC0023	< 0.05 (LOQ)	-	-	-	
LC0025	< 0.5 (LOQ)	-	-	-	
LC0026	< 0.1 (LOQ)	-	-	-	
LC0027	< 0.05 (LOQ)	-	-	-	

#### Characteristics of parameter

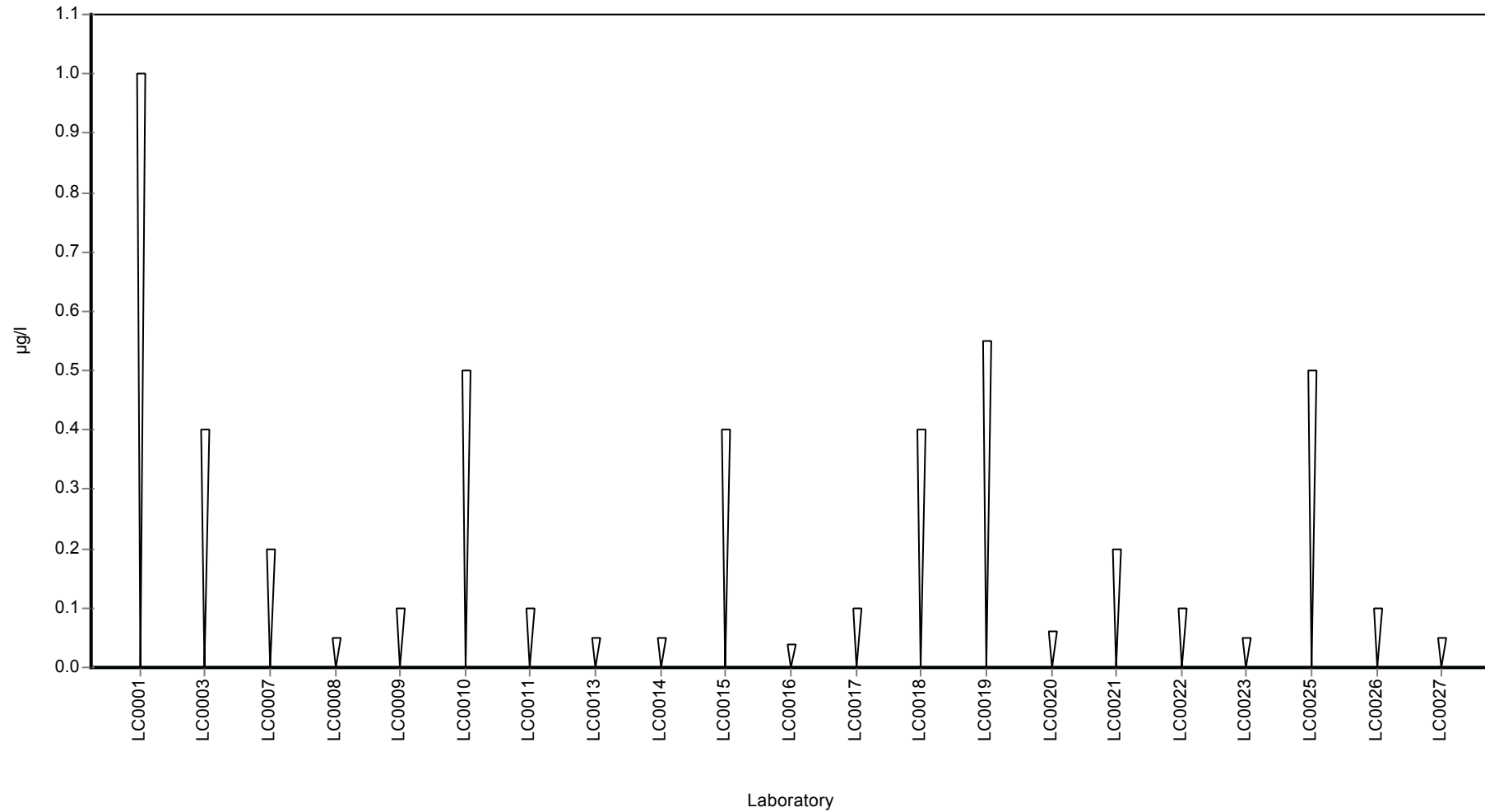
	all results	without outliers	Unit
Mean ± CI (99%)	-	-	µg/l
Minimum	-	-	µg/l
Maximum	-	-	µg/l
Standard deviation	-	-	µg/l
rel. Standard deviation	-	-	%
n	0	0	-

Parameter oriented report Volatile halogenated hydrocarbons (VHH) and BTEX/MTBE - CB03

Sample: CB03AVHH, Parameter: cis-1,2-Dichloroethene

**Graphical presentation of results**

**Results**



Parameter oriented report Volatile halogenated hydrocarbons (VHH) and BTEX/MTBE - CB03

Sample: CB03BVHH, Parameter: cis-1,2-Dichloroethene

## Parameter oriented report

### CB03 B - VHH

#### cis-1,2-Dichloroethene

Unit	µg/l
Mean ± CI (99%)	2.28 ± 0.153
Minimum - Maximum	1.75 - 2.55
Control test value ± U	2.49 ± 0.289

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	2.4	0.07	105	0.56	
LC0002	-	-	-	-	
LC0003	2.48	0.372	109	0.93	
LC0006	-	-	-	-	
LC0007	2	0.25	87.7	-1.29	
LC0008	2.03	0.41	89.1	-1.16	
LC0009	2.14	0.43	93.9	-0.65	
LC0010	< 0.5 (LOQ)	-	-	-	FN
LC0011	2.23	0.22	97.8	-0.23	
LC0012	-	-	-	-	
LC0013	2.31	0.46	101	0.14	
LC0014	2.55	0.587	112	1.25	
LC0015	2.13	0.062	93.4	-0.69	
LC0016	3.18	0.64	140	4.17	H
LC0017	2.17	-	95.2	-0.51	
LC0018	2.42	0.73	106	0.65	
LC0019	1.75	0.22	76.8	-2.45	
LC0020	2.44	0.49	107	0.74	
LC0021	2.17	0.2	95.2	-0.51	
LC0022	2.4	0.72	105	0.56	
LC0023	1.429	0.148	62.7	-3.94	H
LC0025	2.5	0.38	110	1.02	
LC0026	2.5	0.5	110	1.02	
LC0027	2.41	0.24	106	0.6	

#### Characteristics of parameter

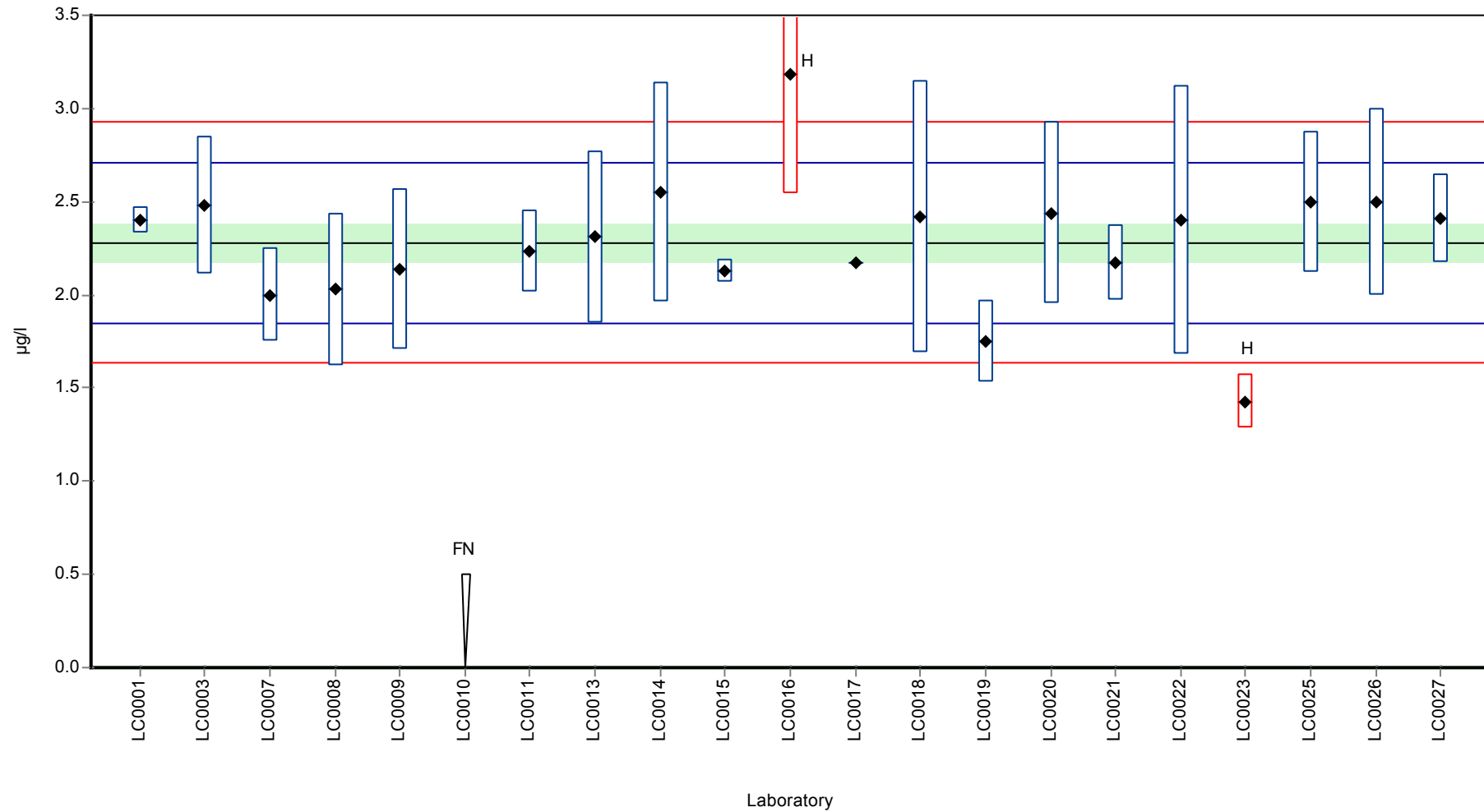
	all results	without outliers	Unit
Mean ± CI (99%)	2.28 ± 0.235	2.28 ± 0.153	µg/l
Minimum	1.43	1.75	µg/l
Maximum	3.18	2.55	µg/l
Standard deviation	0.35	0.216	µg/l
rel. Standard deviation	15.3	9.47	%
n	20	18	-

Parameter oriented report Volatile halogenated hydrocarbons (VHH) and BTEX/MTBE - CB03

Sample: CB03BVHH, Parameter: cis-1,2-Dichloroethene

Graphical presentation of results

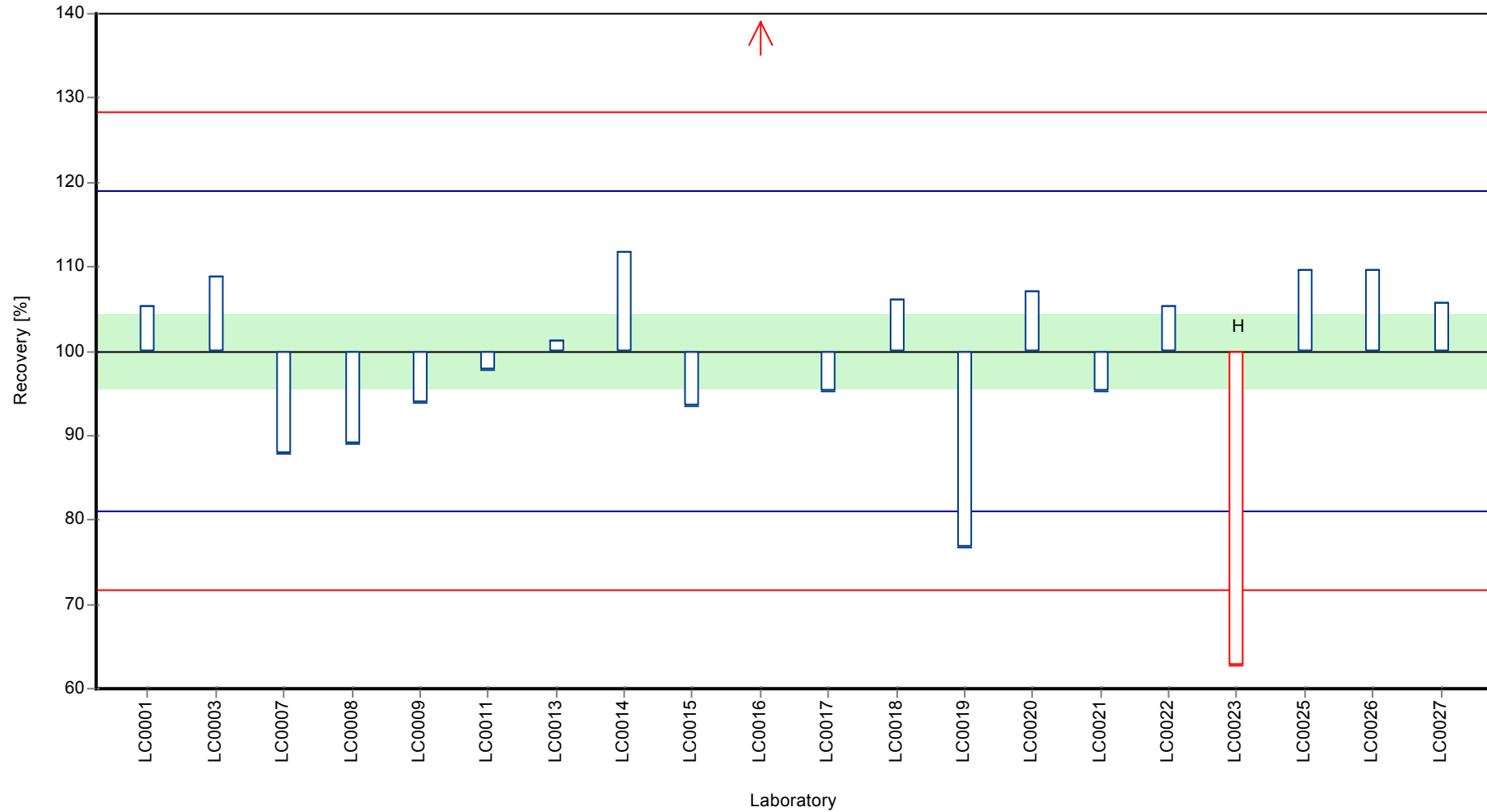
Results



Parameter oriented report Volatile halogenated hydrocarbons (VHH) and BTEX/MTBE - CB03

Sample: CB03BVHH, Parameter: cis-1,2-Dichloroethene

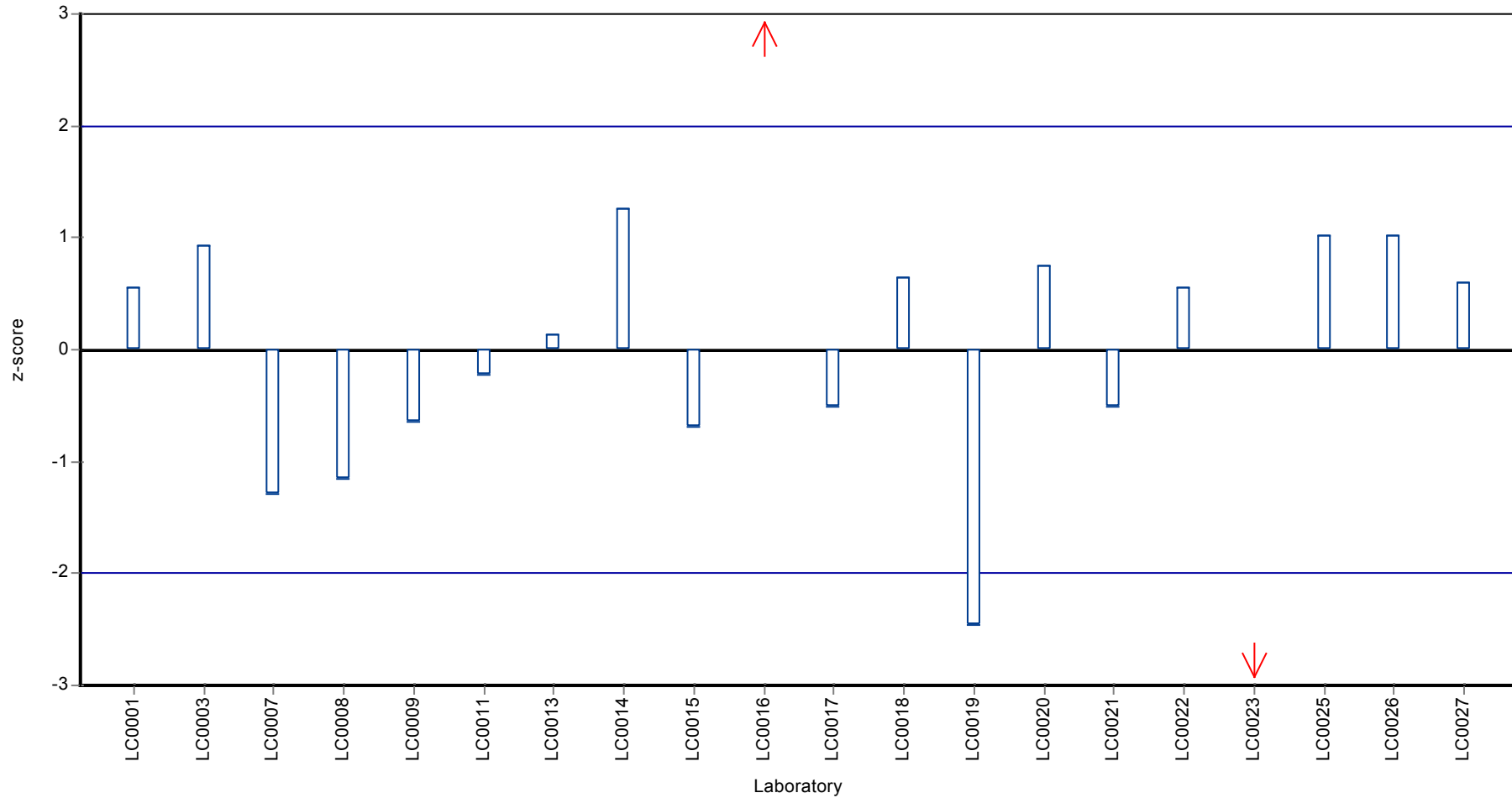
**Recovery rate**



Parameter oriented report Volatile halogenated hydrocarbons (VHH) and BTEX/MTBE - CB03

Sample: CB03BVHH, Parameter: cis-1,2-Dichloroethene

**Z-score**



Parameter oriented report Volatile halogenated hydrocarbons (VHH) and BTEX/MTBE - CB03

Sample: CB03AVHH, Parameter: Dibromochloromethane

## Parameter oriented report

### CB03 A - VHH

#### Dibromochloromethane

Unit	µg/l
Mean ± CI (99%)	1.86 ± 0.205
Minimum - Maximum	1.11 - 2.4
Control test value ± U	1.87 ± 0.0502

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	1.8	0.05	96.9	-0.19	
LC0002	-	-	-	-	
LC0003	1.75	0.263	94.2	-0.35	
LC0006	-	-	-	-	
LC0007	1.73	0.2	93.2	-0.41	
LC0008	1.82	0.36	98	-0.12	
LC0009	1.73	0.35	93.2	-0.41	
LC0010	1.801	0.36	97	-0.18	
LC0011	1.55	0.16	83.5	-1	
LC0012	-	-	-	-	
LC0013	1.96	0.39	106	0.34	
LC0014	2.025	0.527	109	0.55	
LC0015	2.06	0.048	111	0.66	
LC0016	0.2	0.04	10.8	-5.41	H
LC0017	1.88	-	101	0.07	
LC0018	1.11	0.33	59.8	-2.44	
LC0019	2.14	0.08	115	0.92	
LC0020	1.96	0.39	106	0.34	
LC0021	1.76	0.2	94.8	-0.32	
LC0022	2.19	0.66	118	1.09	
LC0023	1.255	0.06	67.6	-1.97	
LC0025	2.1	0.32	113	0.79	
LC0026	2.4	0.4	129	1.77	
LC0027	2.12	0.21	114	0.86	

#### Characteristics of parameter

	all results	without outliers	Unit
Mean ± CI (99%)	1.78 ± 0.307	1.86 ± 0.205	µg/l
Minimum	0.2	1.11	µg/l
Maximum	2.4	2.4	µg/l
Standard deviation	0.469	0.306	µg/l
rel. Standard deviation	26.4	16.5	%
n	21	20	-

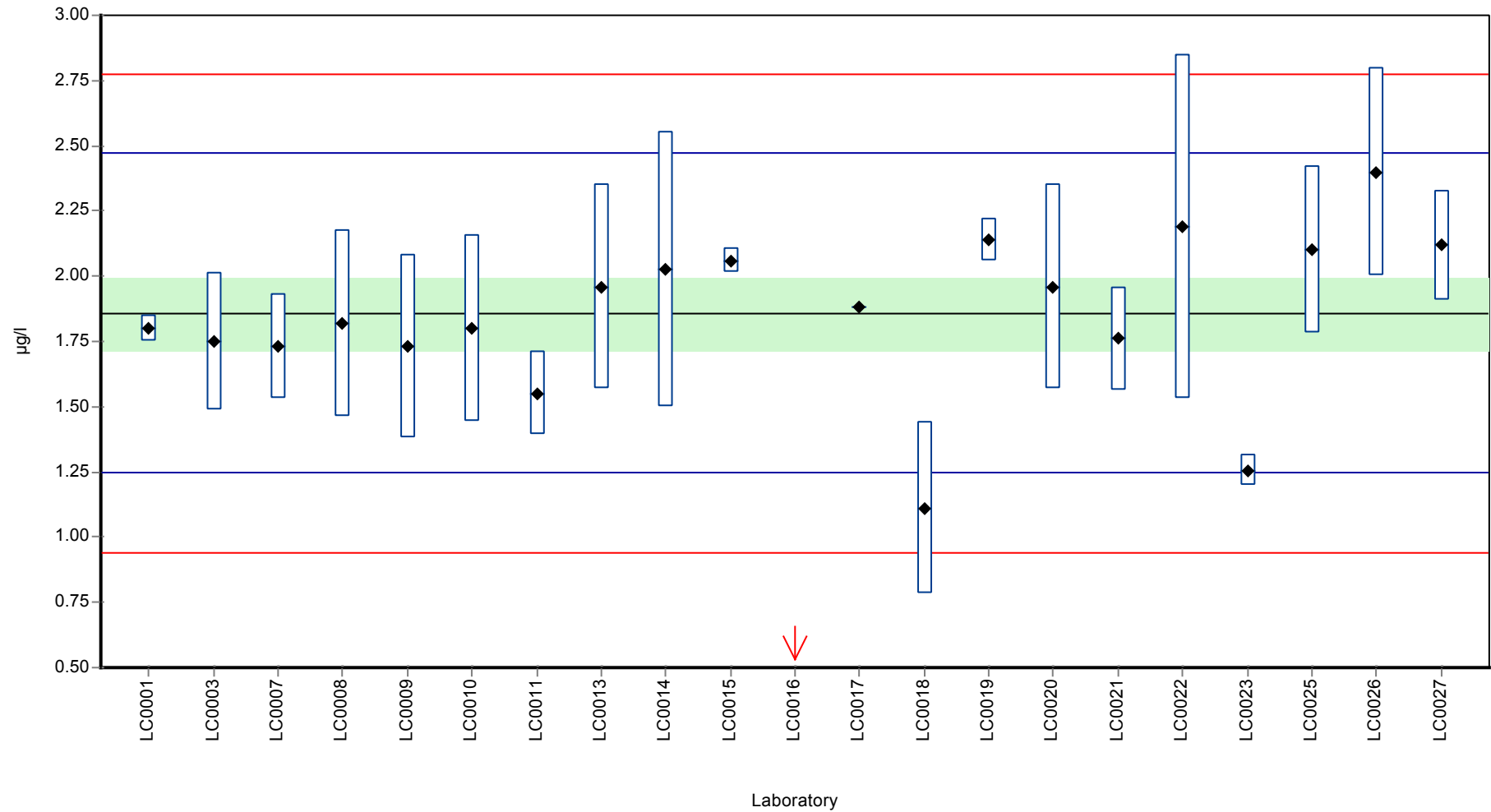


Parameter oriented report Volatile halogenated hydrocarbons (VHH) and BTEX/MTBE - CB03

Sample: CB03AVHH, Parameter: Dibromochloromethane

Graphical presentation of results

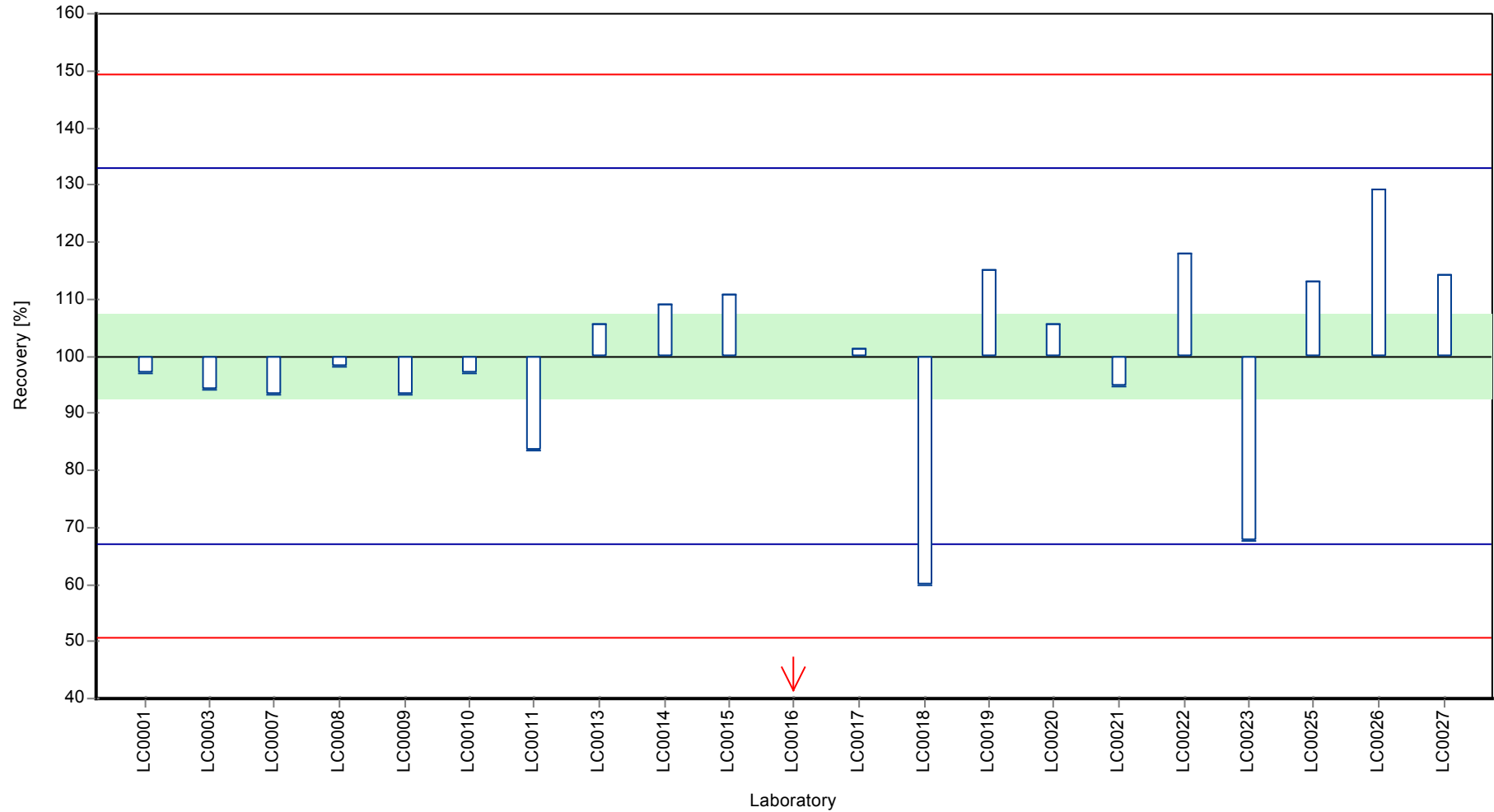
Results



Parameter oriented report Volatile halogenated hydrocarbons (VHH) and BTEX/MTBE - CB03

Sample: CB03AVHH, Parameter: Dibromochloromethane

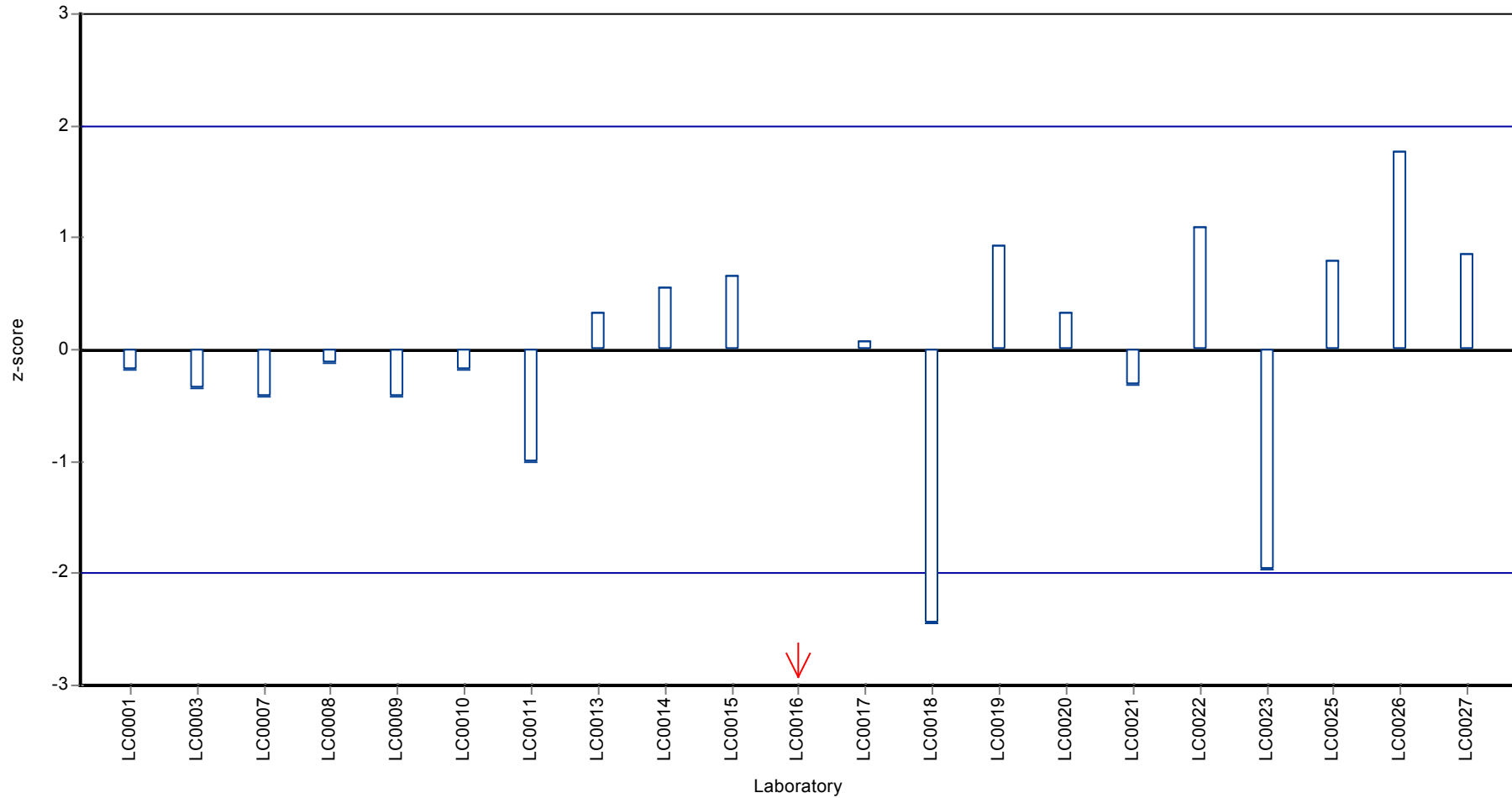
**Recovery rate**



Parameter oriented report Volatile halogenated hydrocarbons (VHH) and BTEX/MTBE - CB03

Sample: CB03AVHH, Parameter: Dibromochloromethane

**Z-score**



Parameter oriented report Volatile halogenated hydrocarbons (VHH) and BTEX/MTBE - CB03

Sample: CB03BVHH, Parameter: Dibromochloromethane

## Parameter oriented report

### CB03 B - VHH

#### Dibromochloromethane

Unit	µg/l
Mean ± CI (99%)	7.77 ± 0.699
Minimum - Maximum	5.96 - 9.9
Control test value ± U	8.08 ± 1.11

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	8.2	0.2	105	0.42	
LC0002	-	-	-	-	
LC0003	7.27	1.091	93.5	-0.5	
LC0006	-	-	-	-	
LC0007	6.72	0.7	86.4	-1.04	
LC0008	7.5	1.5	96.5	-0.27	
LC0009	7.14	1.43	91.8	-0.63	
LC0010	7.778	1.555	100	0.00	
LC0011	6.15	0.62	79.1	-1.6	
LC0012	-	-	-	-	
LC0013	8.2	1.64	105	0.42	
LC0014	8.32	2.163	107	0.54	
LC0015	7.87	0.168	101	0.09	
LC0016	9.81	1.96	126	2.01	
LC0017	7.74	-	99.6	-0.03	
LC0018	5.96	1.79	76.7	-1.79	
LC0019	5.03	0.17	64.7	-2.7	H
LC0020	7.27	1.45	93.5	-0.5	
LC0021	7.38	0.7	94.9	-0.39	
LC0022	7.84	2.35	101	0.06	
LC0023	5.328	0.43	68.5	-2.41	H
LC0025	7.88	1.18	101	0.1	
LC0026	9.9	2	127	2.09	
LC0027	8.78	0.88	113	0.99	

#### Characteristics of parameter

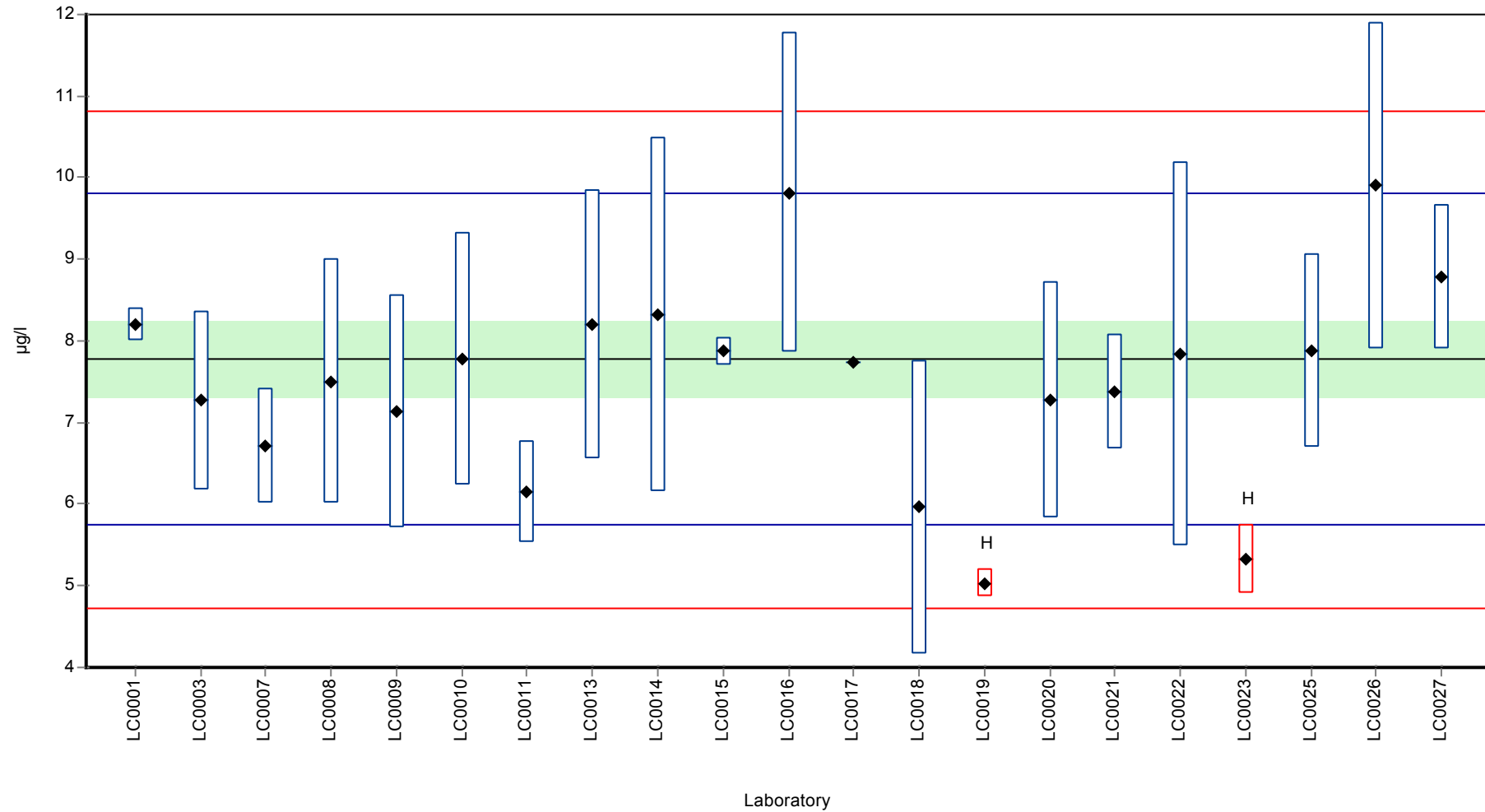
	all results	without outliers	Unit
Mean ± CI (99%)	7.53 ± 0.812	7.77 ± 0.699	µg/l
Minimum	5.03	5.96	µg/l
Maximum	9.9	9.9	µg/l
Standard deviation	1.24	1.01	µg/l
rel. Standard deviation	16.5	13.1	%
n	21	19	-

Parameter oriented report Volatile halogenated hydrocarbons (VHH) and BTEX/MTBE - CB03

Sample: CB03BVHH, Parameter: Dibromochloromethane

Graphical presentation of results

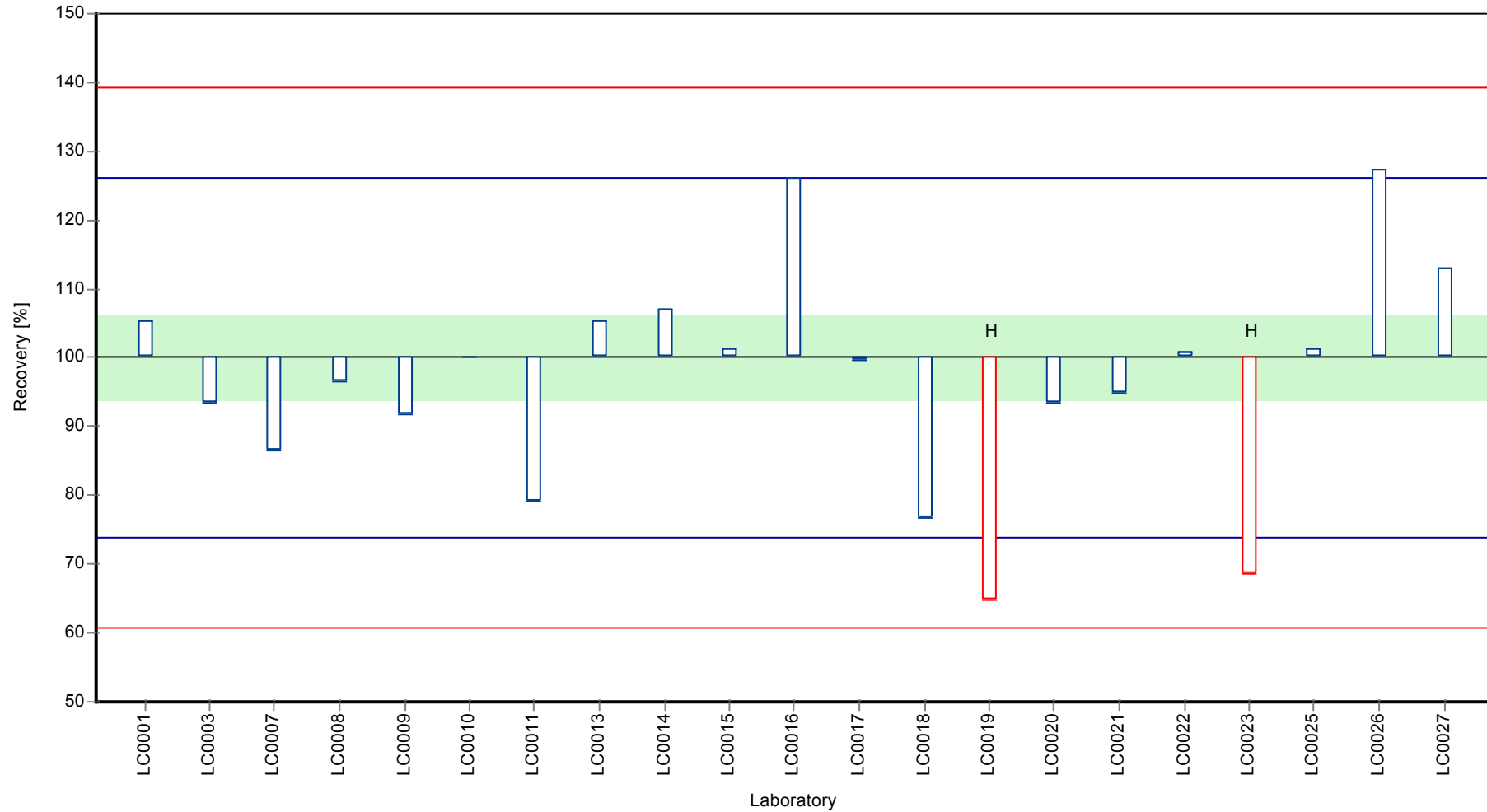
Results



Parameter oriented report Volatile halogenated hydrocarbons (VHH) and BTEX/MTBE - CB03

Sample: CB03BVHH, Parameter: Dibromochloromethane

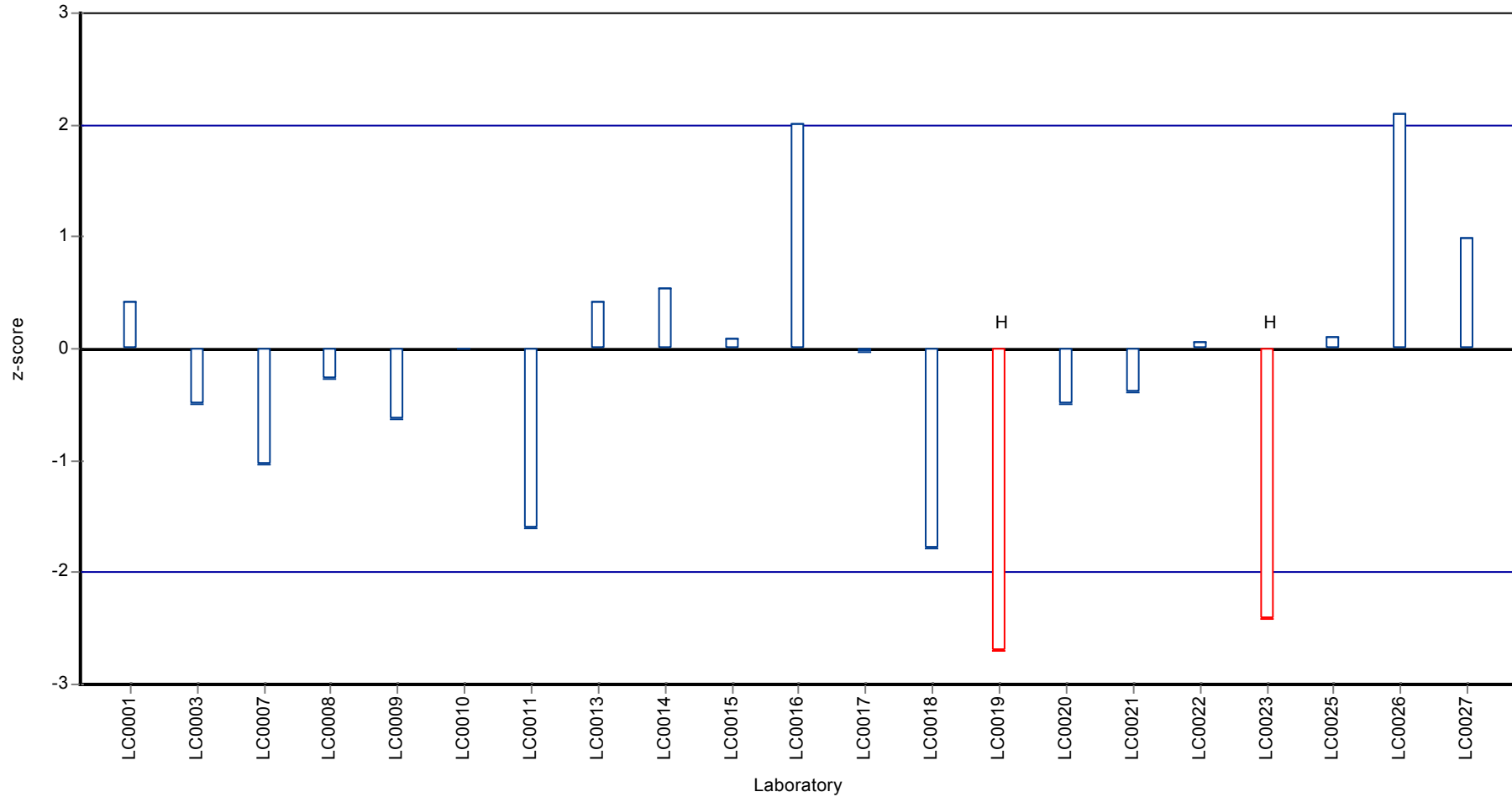
**Recovery rate**



Parameter oriented report Volatile halogenated hydrocarbons (VHH) and BTEX/MTBE - CB03

Sample: CB03BVHH, Parameter: Dibromochloromethane

**Z-score**



Parameter oriented report Volatile halogenated hydrocarbons (VHH) and BTEX/MTBE - CB03

Sample: CB03AVHH, Parameter: Dichloromethane

## Parameter oriented report

### CB03 A - VHH

#### Dichloromethane

Unit	µg/l
Mean ± CI (99%)	2.85 ± 0.381
Minimum - Maximum	1.63 - 4
Control test value ± U	3.33 ± 0.383

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	4	0.1	141	2.09	
LC0002	-	-	-	-	
LC0003	2.65	0.398	93.1	-0.35	
LC0006	-	-	-	-	
LC0007	-	-	-	-	
LC0008	2.4	0.48	84.3	-0.81	
LC0009	2.35	0.47	82.6	-0.9	
LC0010	13.745	2.749	483	19.7	H
LC0011	2.72	0.27	95.6	-0.23	
LC0012	-	-	-	-	
LC0013	2.73	0.55	95.9	-0.21	
LC0014	3.09	0.896	109	0.44	
LC0015	2.67	0.095	93.8	-0.32	
LC0016	3	0.6	105	0.28	
LC0017	2.54	-	89.2	-0.55	
LC0018	3.22	0.96	113	0.68	
LC0019	4	0.17	141	2.09	
LC0020	2.75	0.55	96.6	-0.17	
LC0021	2.63	0.3	92.4	-0.39	
LC0022	3.29	0.98	116	0.8	
LC0023	1.631	0.052	57.3	-2.2	
LC0025	2.9	0.44	102	0.1	
LC0026	3.1	0.6	109	0.46	
LC0027	2.41	0.24	84.7	-0.79	

#### Characteristics of parameter

	all results	without outliers	Unit
Mean ± CI (99%)	3.39 ± 1.67	2.85 ± 0.381	µg/l
Minimum	1.63	1.63	µg/l
Maximum	13.7	4	µg/l
Standard deviation	2.5	0.553	µg/l
rel. Standard deviation	73.6	19.4	%
n	20	19	-

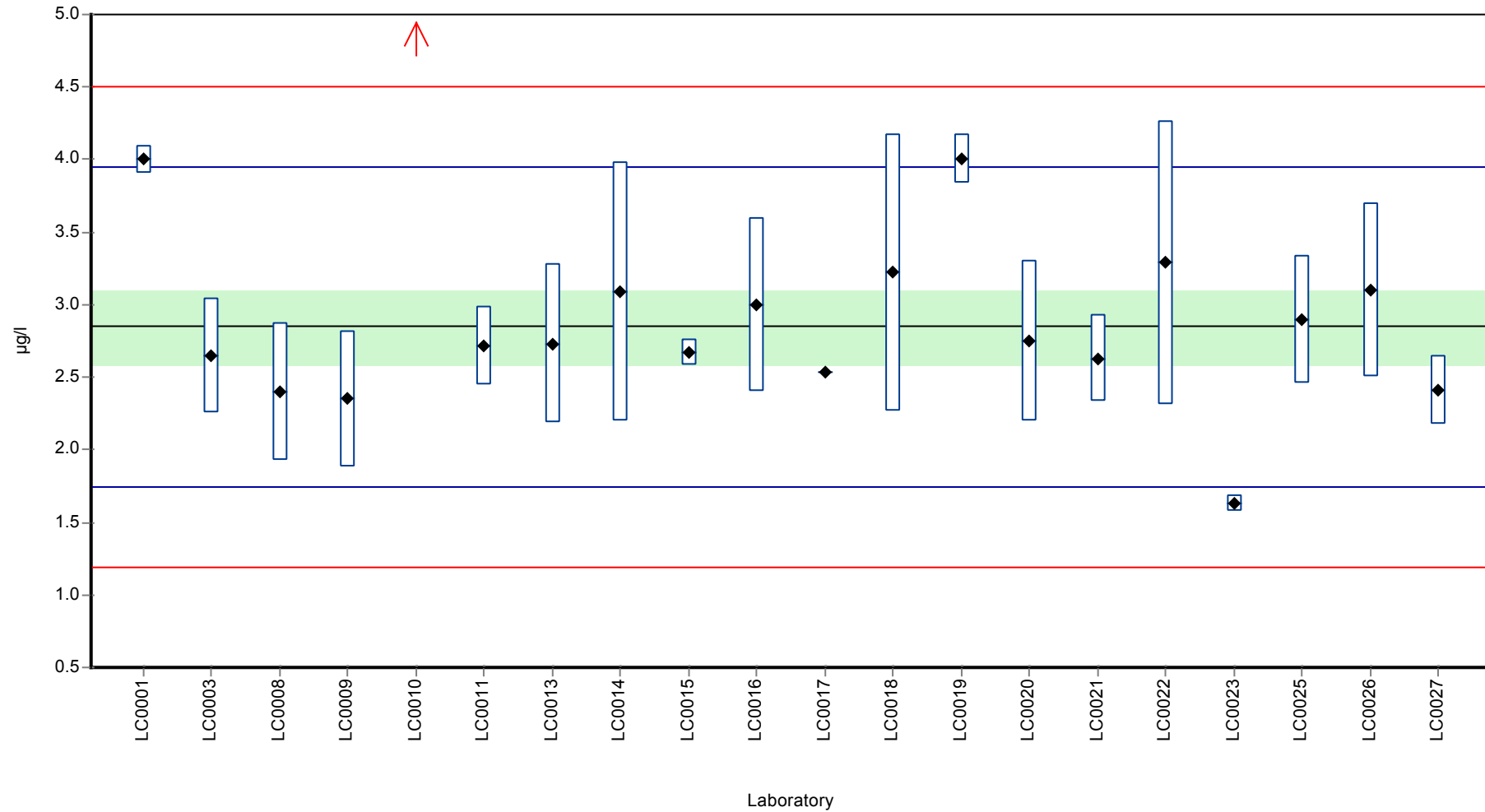


Parameter oriented report Volatile halogenated hydrocarbons (VHH) and BTEX/MTBE - CB03

Sample: CB03AVHH, Parameter: Dichloromethane

Graphical presentation of results

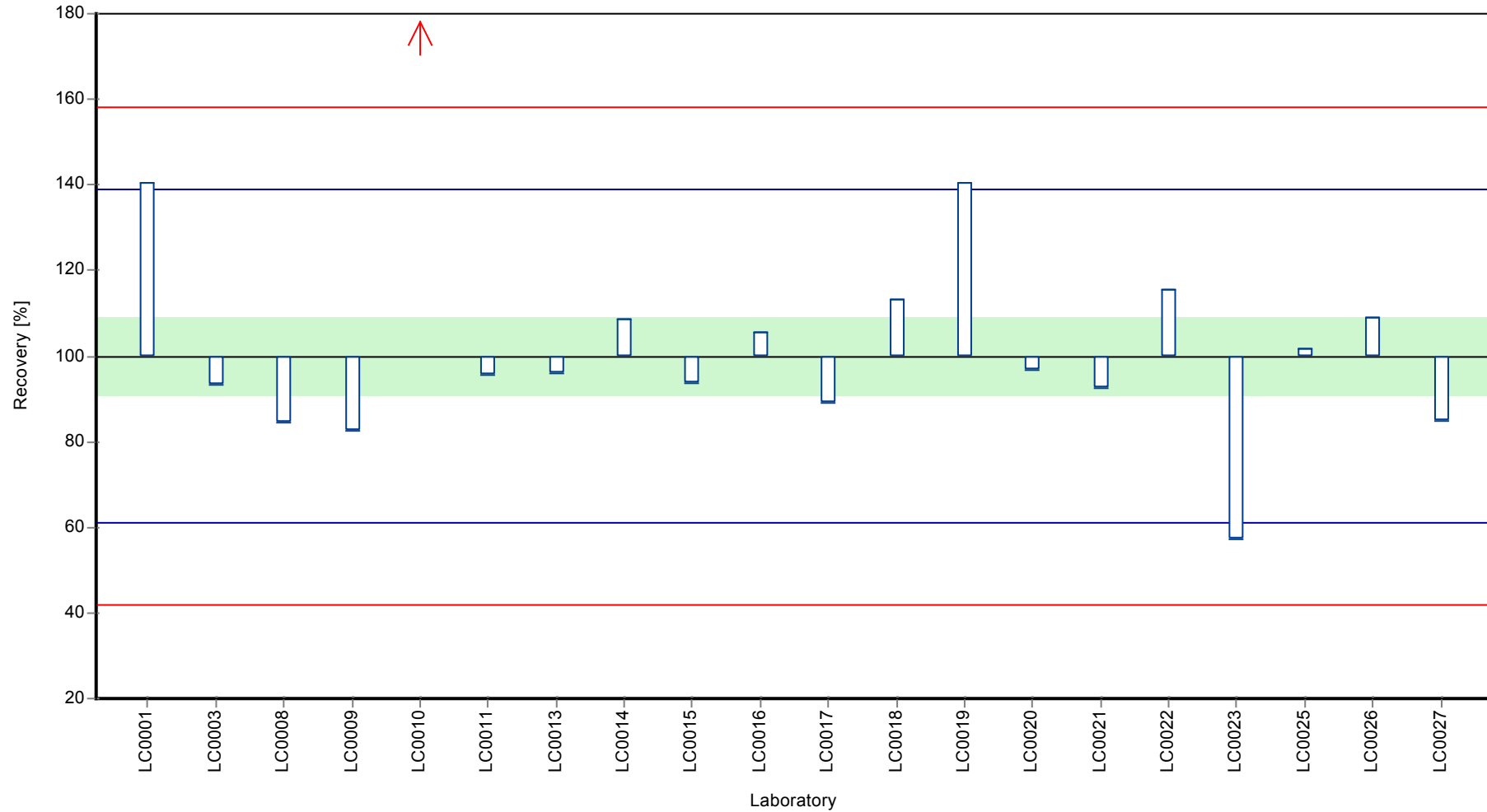
Results



Parameter oriented report Volatile halogenated hydrocarbons (VHH) and BTEX/MTBE - CB03

Sample: CB03AVHH, Parameter: Dichloromethane

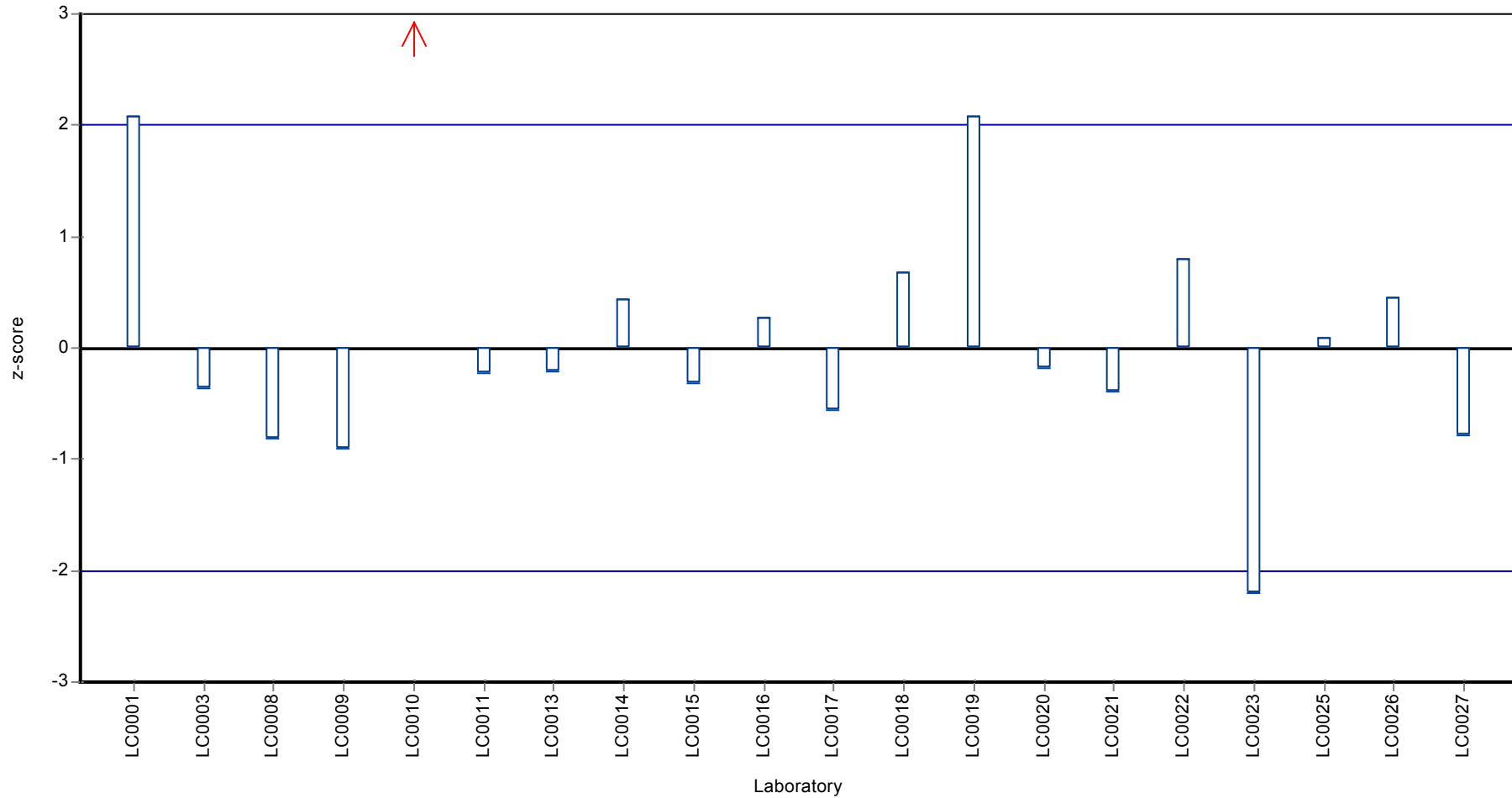
**Recovery rate**



Parameter oriented report Volatile halogenated hydrocarbons (VHH) and BTEX/MTBE - CB03

Sample: CB03AVHH, Parameter: Dichloromethane

**Z-score**



Parameter oriented report Volatile halogenated hydrocarbons (VHH) and BTEX/MTBE - CB03

Sample: CB03BVHH, Parameter: Dichloromethane

## Parameter oriented report

### CB03 B - VHH

#### Dichloromethane

Unit	µg/l
Mean ± CI (99%)	5.09 ± 0.563
Minimum - Maximum	3.01 - 6.2
Control test value ± U	5.83 ± 0.442

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	6.1	0.2	120	1.23	
LC0002	-	-	-	-	
LC0003	5.37	0.806	105	0.34	
LC0006	-	-	-	-	
LC0007	-	-	-	-	
LC0008	4.34	0.87	85.2	-0.92	
LC0009	4.4	0.88	86.4	-0.85	
LC0010	25.503	5.101	501	24.9	H
LC0011	4.89	0.49	96	-0.25	
LC0012	-	-	-	-	
LC0013	5.03	1	98.8	-0.08	
LC0014	5.98	1.734	117	1.08	
LC0015	4.68	0.195	91.9	-0.5	
LC0016	5.71	1.14	112	0.75	
LC0017	4.56	-	89.5	-0.65	
LC0018	5.91	1.77	116	1	
LC0019	4.19	0.42	82.3	-1.1	
LC0020	4.7	0.94	92.3	-0.48	
LC0021	4.88	0.5	95.8	-0.26	
LC0022	5.8	1.74	114	0.86	
LC0023	3.011	0.268	59.1	-2.54	
LC0025	5.22	0.78	102	0.16	
LC0026	6.2	1.3	122	1.35	
LC0027	5.79	0.58	114	0.85	

#### Characteristics of parameter

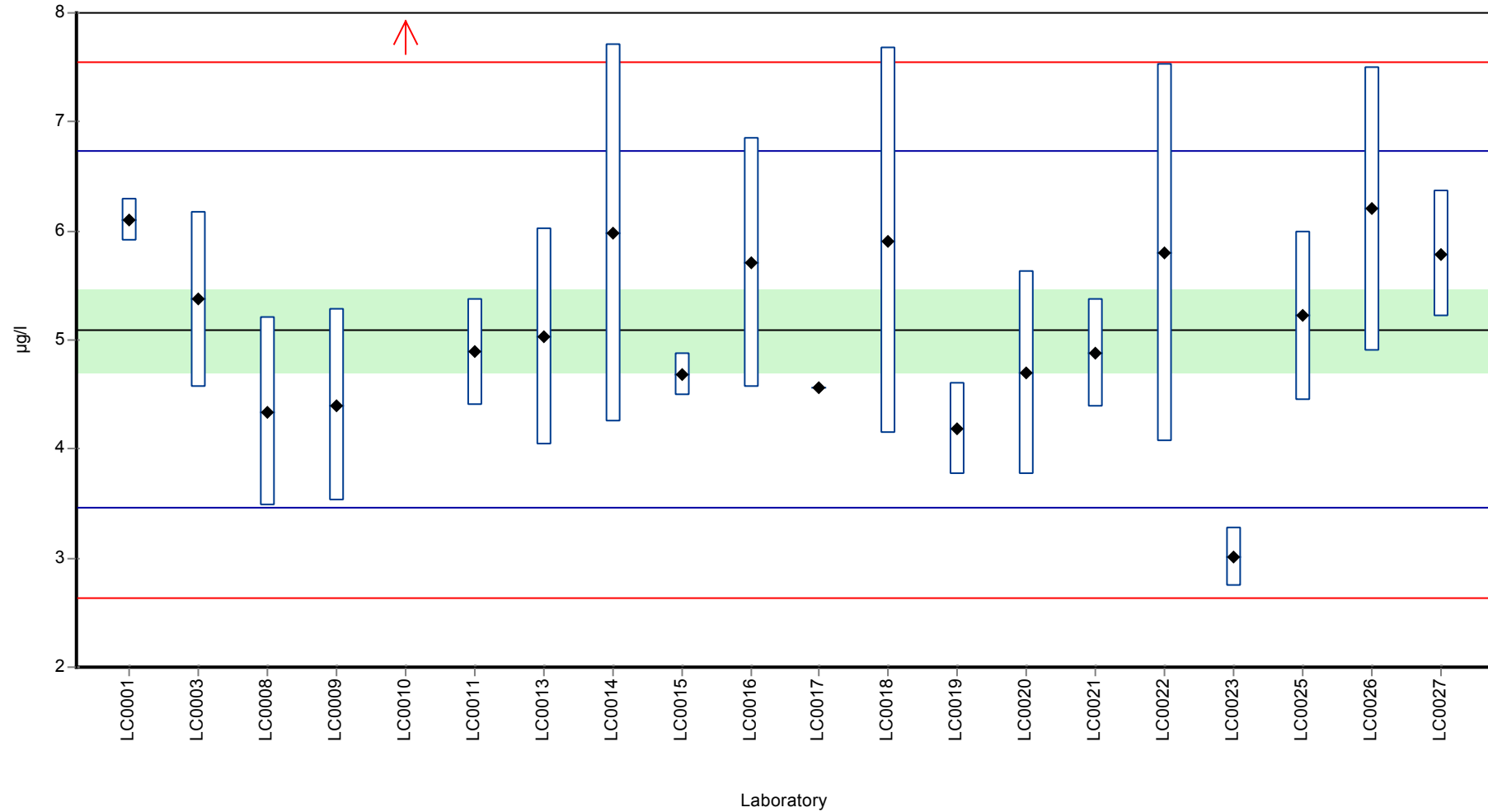
	all results	without outliers	Unit
Mean ± CI (99%)	6.11 ± 3.11	5.09 ± 0.563	µg/l
Minimum	3.01	3.01	µg/l
Maximum	25.5	6.2	µg/l
Standard deviation	4.63	0.818	µg/l
rel. Standard deviation	75.8	16.1	%
n	20	19	-

Parameter oriented report Volatile halogenated hydrocarbons (VHH) and BTEX/MTBE - CB03

Sample: CB03BVHH, Parameter: Dichloromethane

Graphical presentation of results

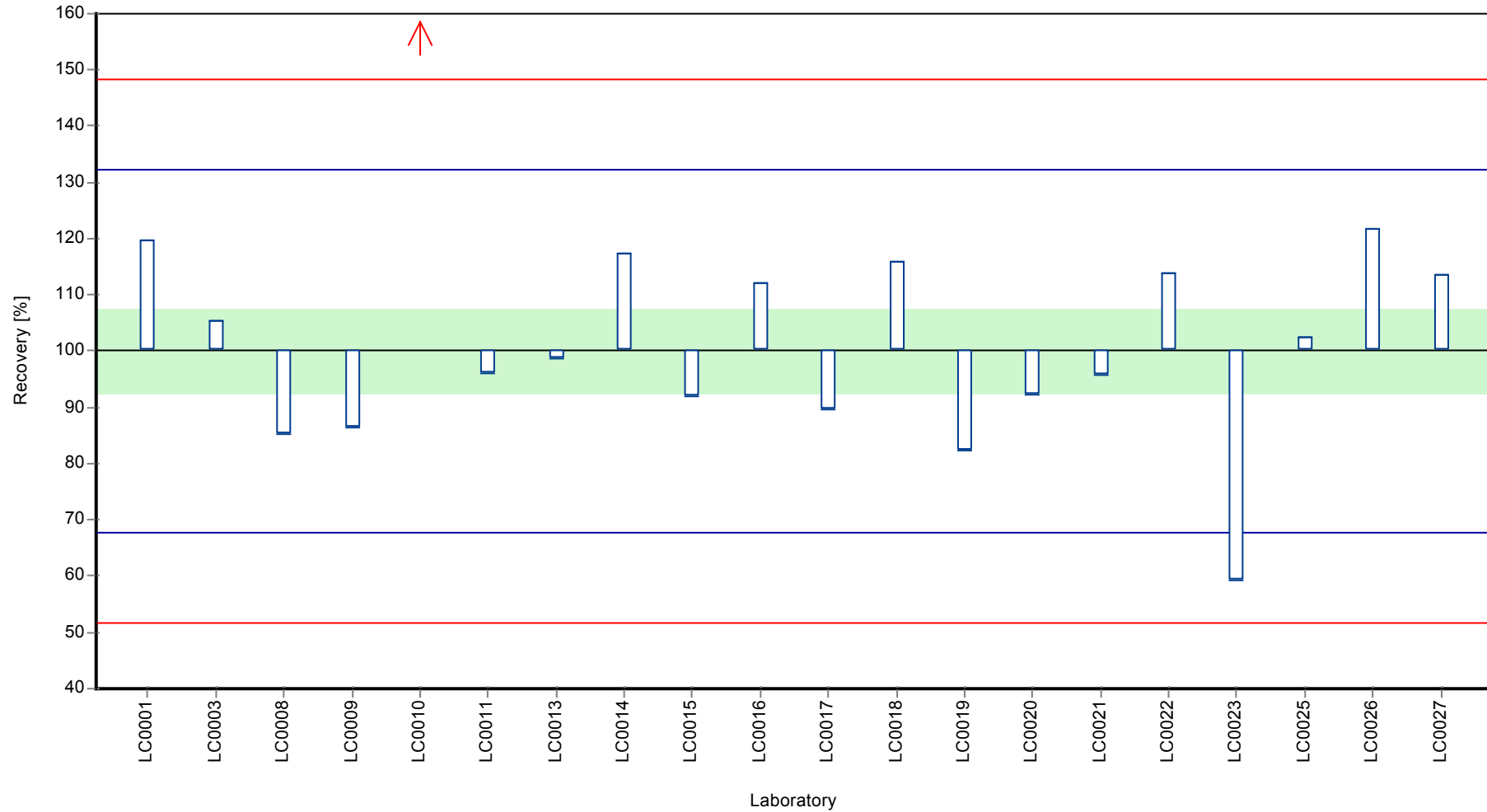
Results



Parameter oriented report Volatile halogenated hydrocarbons (VHH) and BTEX/MTBE - CB03

Sample: CB03BVHH, Parameter: Dichloromethane

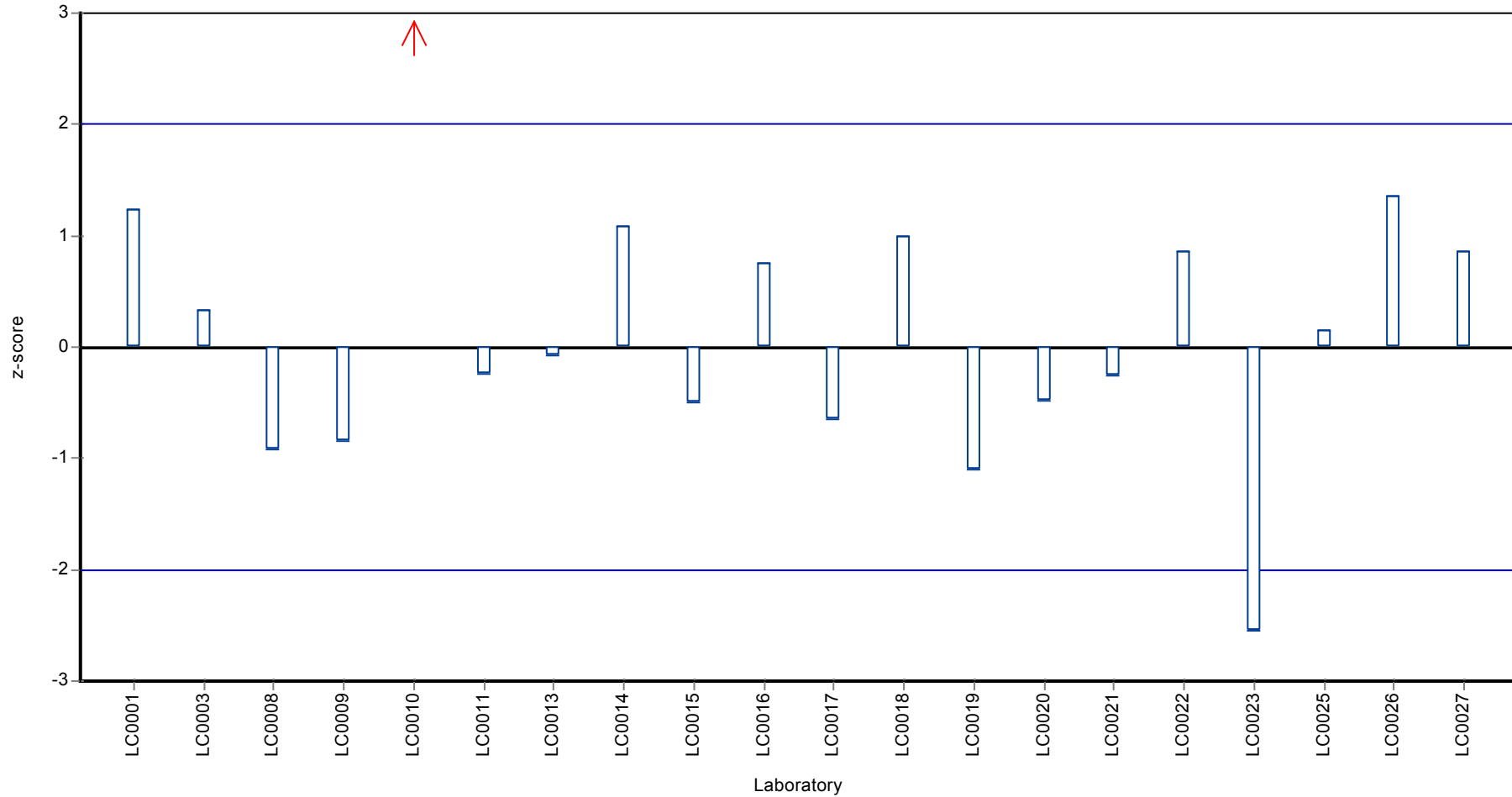
**Recovery rate**



Parameter oriented report Volatile halogenated hydrocarbons (VHH) and BTEX/MTBE - CB03

Sample: CB03BVHH, Parameter: Dichloromethane

**Z-score**



Parameter oriented report Volatile halogenated hydrocarbons (VHH) and BTEX/MTBE - CB03

Sample: CB03AVHH, Parameter: Tetrachloroethene

## Parameter oriented report

### CB03 A - VHH

#### Tetrachloroethene

Unit	µg/l
Mean ± CI (99%)	7.59 ± 0.775
Minimum - Maximum	5.43 - 10.8
Control test value ± U	7.72 ± 0.618

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	8.2	0.2	108	0.49	
LC0002	6.3	0.63	83	-1.04	
LC0003	6.92	1.038	91.2	-0.54	
LC0006	-	-	-	-	
LC0007	6.71	0.7	88.4	-0.71	
LC0008	7.05	1.41	92.9	-0.43	
LC0009	6.57	1.31	86.6	-0.82	
LC0010	6.68	1.336	88	-0.73	
LC0011	5.76	0.58	75.9	-1.48	
LC0012	10.81	-	142	2.6	
LC0013	8.81	1.76	116	0.99	
LC0014	6.62	2.185	87.2	-0.78	
LC0015	7.84	0.241	103	0.2	
LC0016	8.75	1.75	115	0.94	
LC0017	7.23	-	95.3	-0.29	
LC0018	8.05	2.41	106	0.37	
LC0019	7.5	0.22	98.8	-0.07	
LC0020	7.93	1.59	105	0.28	
LC0021	7.45	0.7	98.2	-0.11	
LC0022	8.19	2.46	108	0.49	
LC0023	5.435	0.264	71.6	-1.74	
LC0025	8.54	1.28	113	0.77	
LC0026	7.5	1.6	98.8	-0.07	
LC0027	9.68	0.97	128	1.69	

#### Characteristics of parameter

	all results	without outliers	Unit
Mean ± CI (99%)	7.59 ± 0.775	7.59 ± 0.775	µg/l
Minimum	5.43	5.43	µg/l
Maximum	10.8	10.8	µg/l
Standard deviation	1.24	1.24	µg/l
rel. Standard deviation	16.3	16.3	%
n	23	23	-

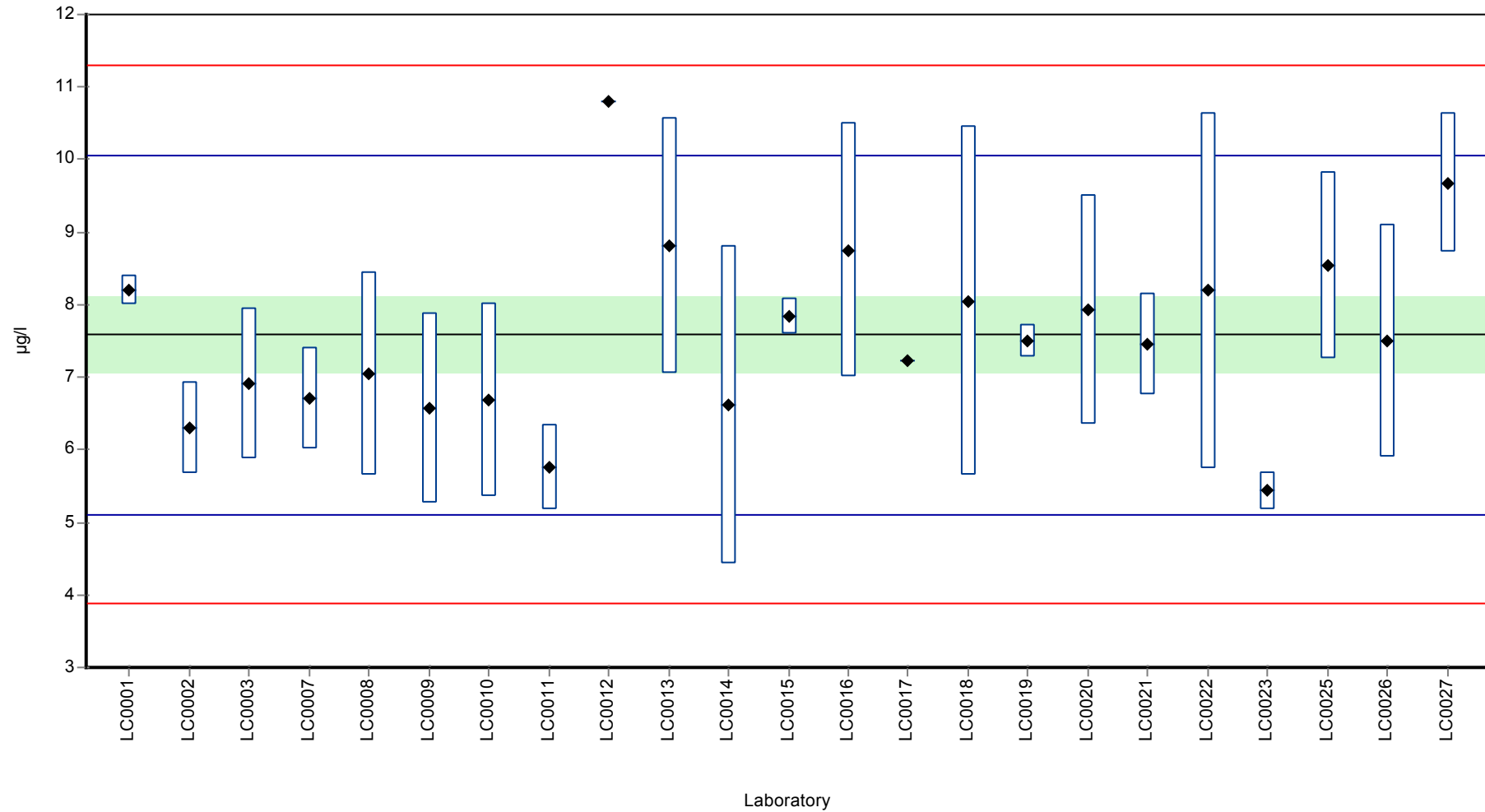


Parameter oriented report Volatile halogenated hydrocarbons (VHH) and BTEX/MTBE - CB03

Sample: CB03AVHH, Parameter: Tetrachloroethene

Graphical presentation of results

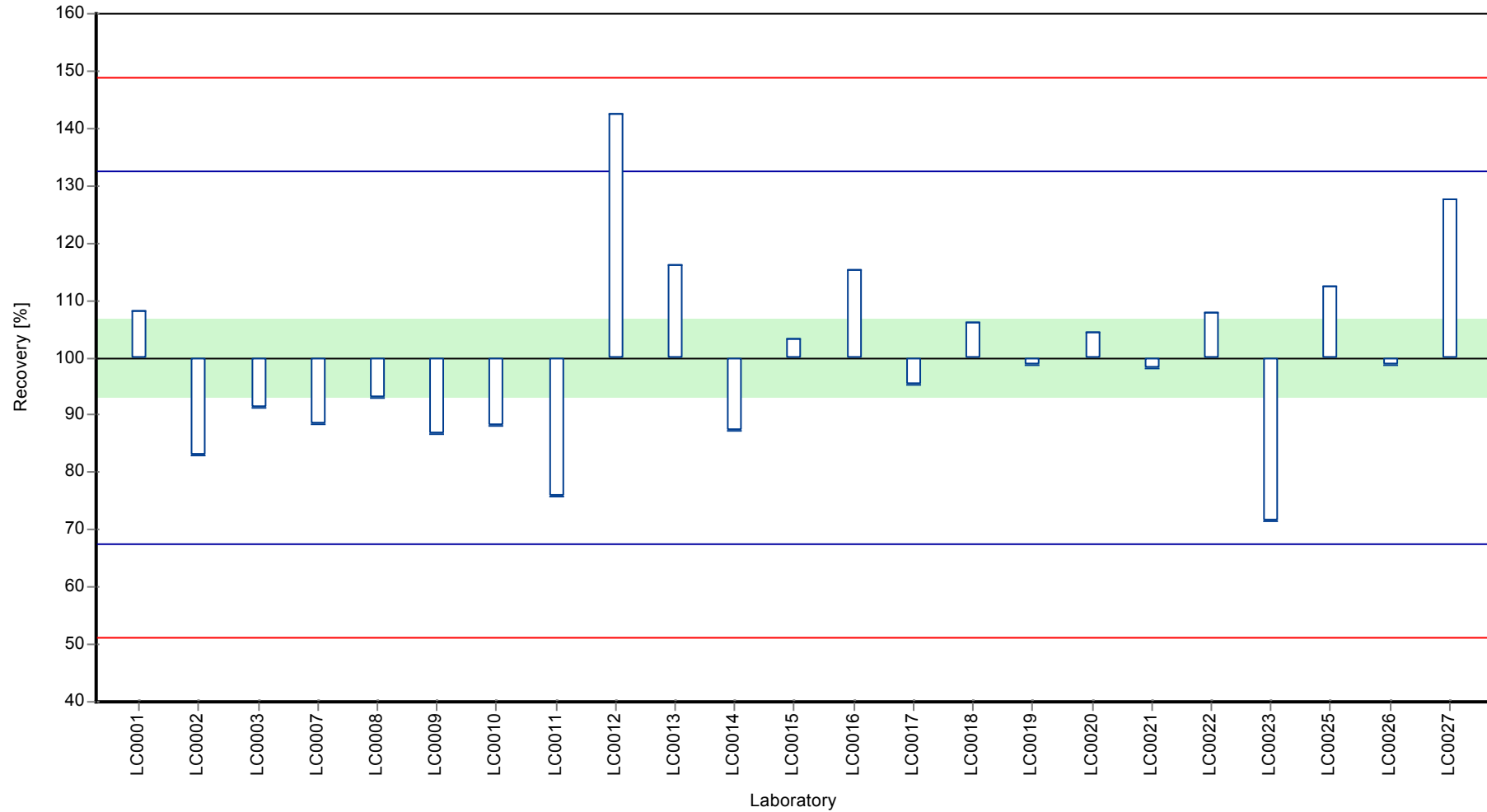
Results



Parameter oriented report Volatile halogenated hydrocarbons (VHH) and BTEX/MTBE - CB03

Sample: CB03AVHH, Parameter: Tetrachloroethene

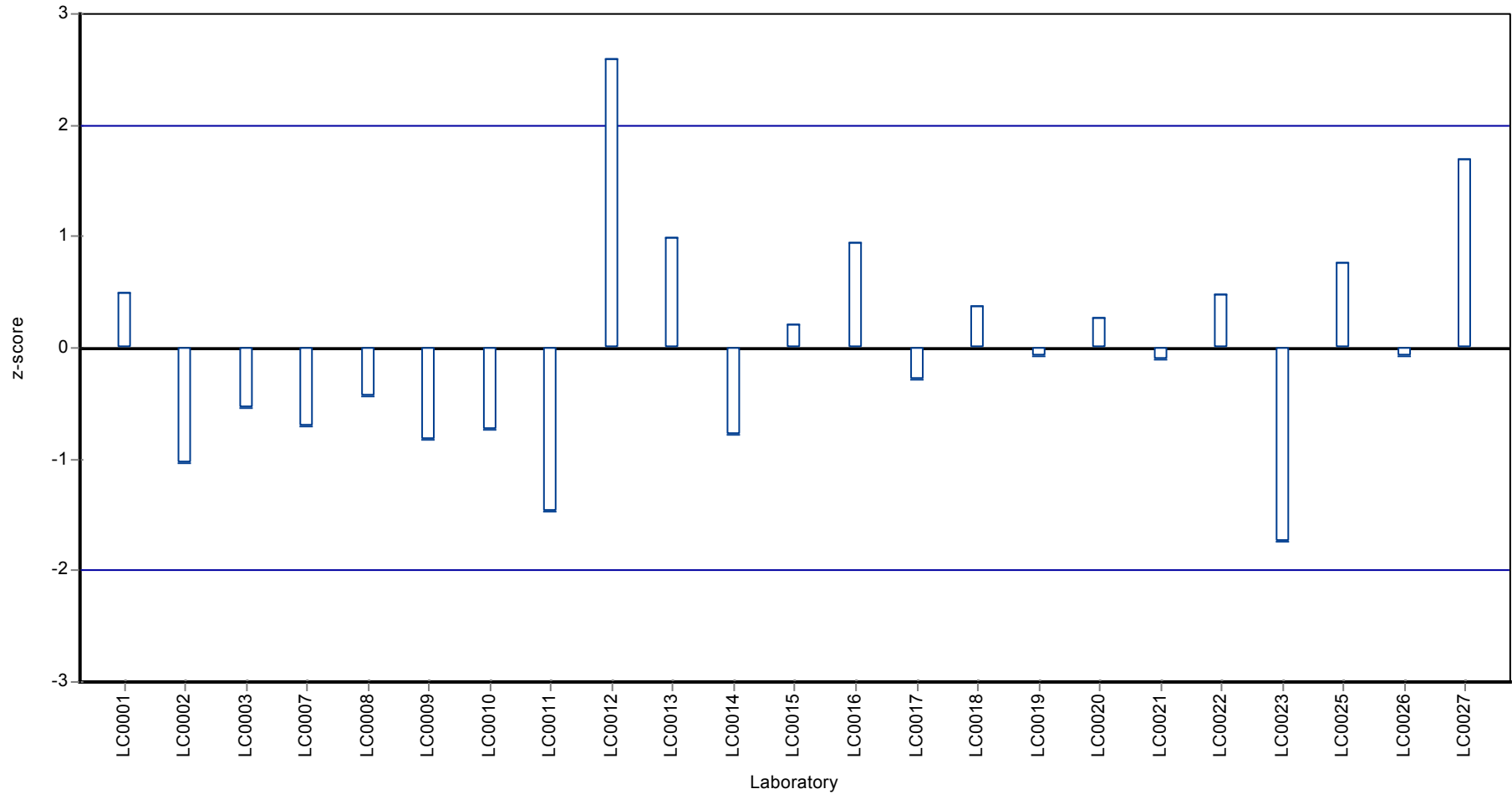
**Recovery rate**



Parameter oriented report Volatile halogenated hydrocarbons (VHH) and BTEX/MTBE - CB03

Sample: CB03AVHH, Parameter: Tetrachloroethene

**Z-score**



Parameter oriented report Volatile halogenated hydrocarbons (VHH) and BTEX/MTBE - CB03

Sample: CB03BVHH, Parameter: Tetrachloroethene

## Parameter oriented report

### CB03 B - VHH

#### Tetrachloroethene

Unit	µg/l
Mean ± CI (99%)	1.3 ± 0.151
Minimum - Maximum	0.707 - 1.73
Control test value ± U	1.43 ± 0.143

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	1.5	0.05	116	0.86	
LC0002	0.96	0.12	74.1	-1.42	
LC0003	1.23	0.185	94.9	-0.28	
LC0006	-	-	-	-	
LC0007	1.13	0.2	87.2	-0.7	
LC0008	1.14	0.23	88	-0.66	
LC0009	1.17	0.23	90.3	-0.53	
LC0010	1.182	0.236	91.2	-0.48	
LC0011	1.08	0.11	83.3	-0.92	
LC0012	0.25	-	19.3	-4.43	H
LC0013	1.38	0.28	106	0.36	
LC0014	1.215	0.401	93.7	-0.34	
LC0015	1.45	0.062	112	0.65	
LC0016	1.56	0.31	120	1.12	
LC0017	1.37	-	106	0.31	
LC0018	1.45	0.44	112	0.65	
LC0019	1.11	0.11	85.6	-0.79	
LC0020	1.52	0.3	117	0.95	
LC0021	1.27	0.1	98	-0.11	
LC0022	1.73	0.52	133	1.84	
LC0023	0.707	0.078	54.5	-2.5	
LC0025	1.44	0.22	111	0.61	
LC0026	1.3	0.3	100	0.02	
LC0027	1.62	0.16	125	1.37	

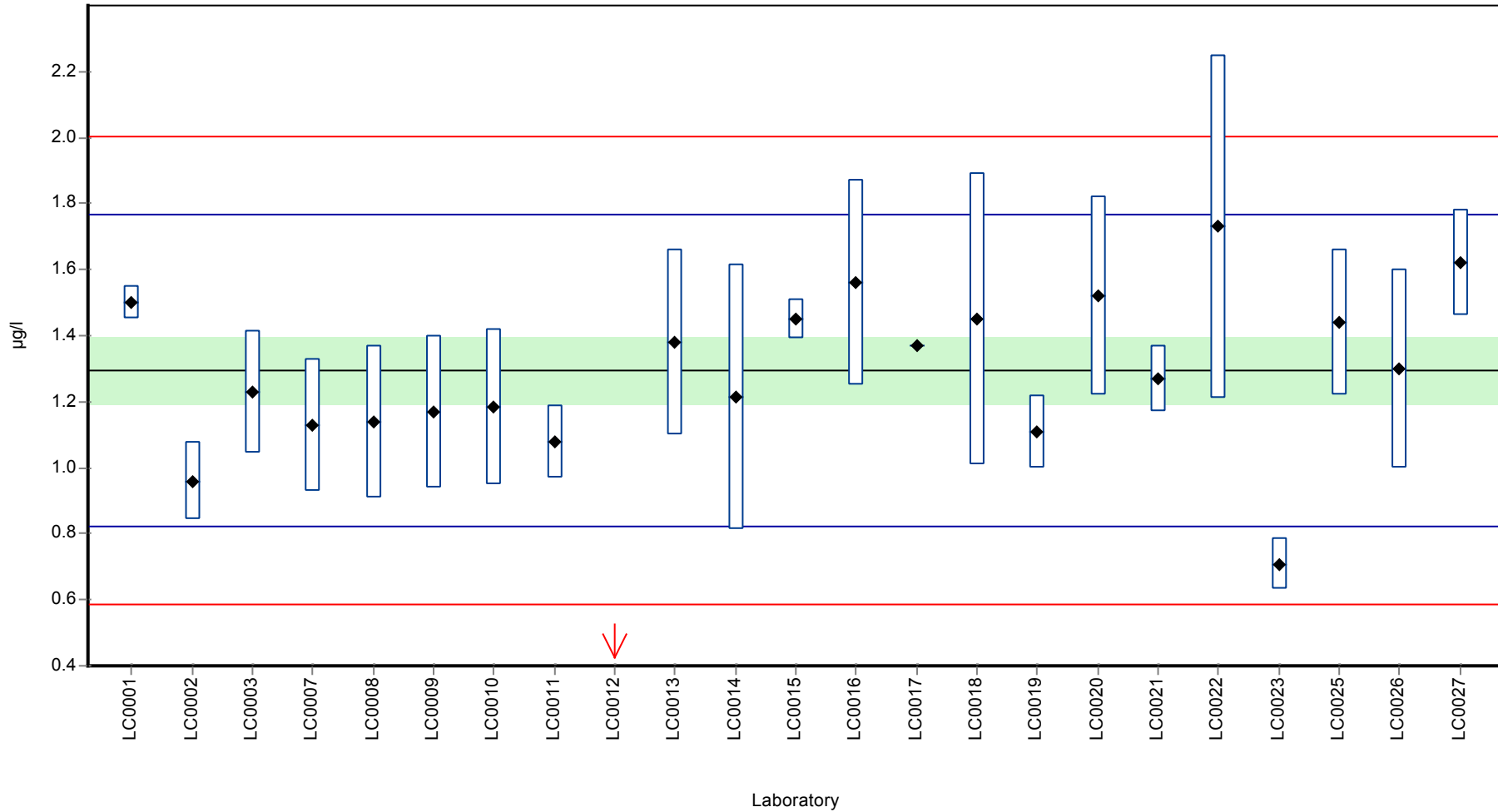
#### Characteristics of parameter

	all results	without outliers	Unit
Mean ± CI (99%)	1.25 ± 0.199	1.3 ± 0.151	µg/l
Minimum	0.25	0.707	µg/l
Maximum	1.73	1.73	µg/l
Standard deviation	0.317	0.236	µg/l
rel. Standard deviation	25.4	18.2	%
n	23	22	-

Parameter oriented report Volatile halogenated hydrocarbons (VHH) and BTEX/MTBE - CB03

Sample: CB03BVHH, Parameter: Tetrachloroethene

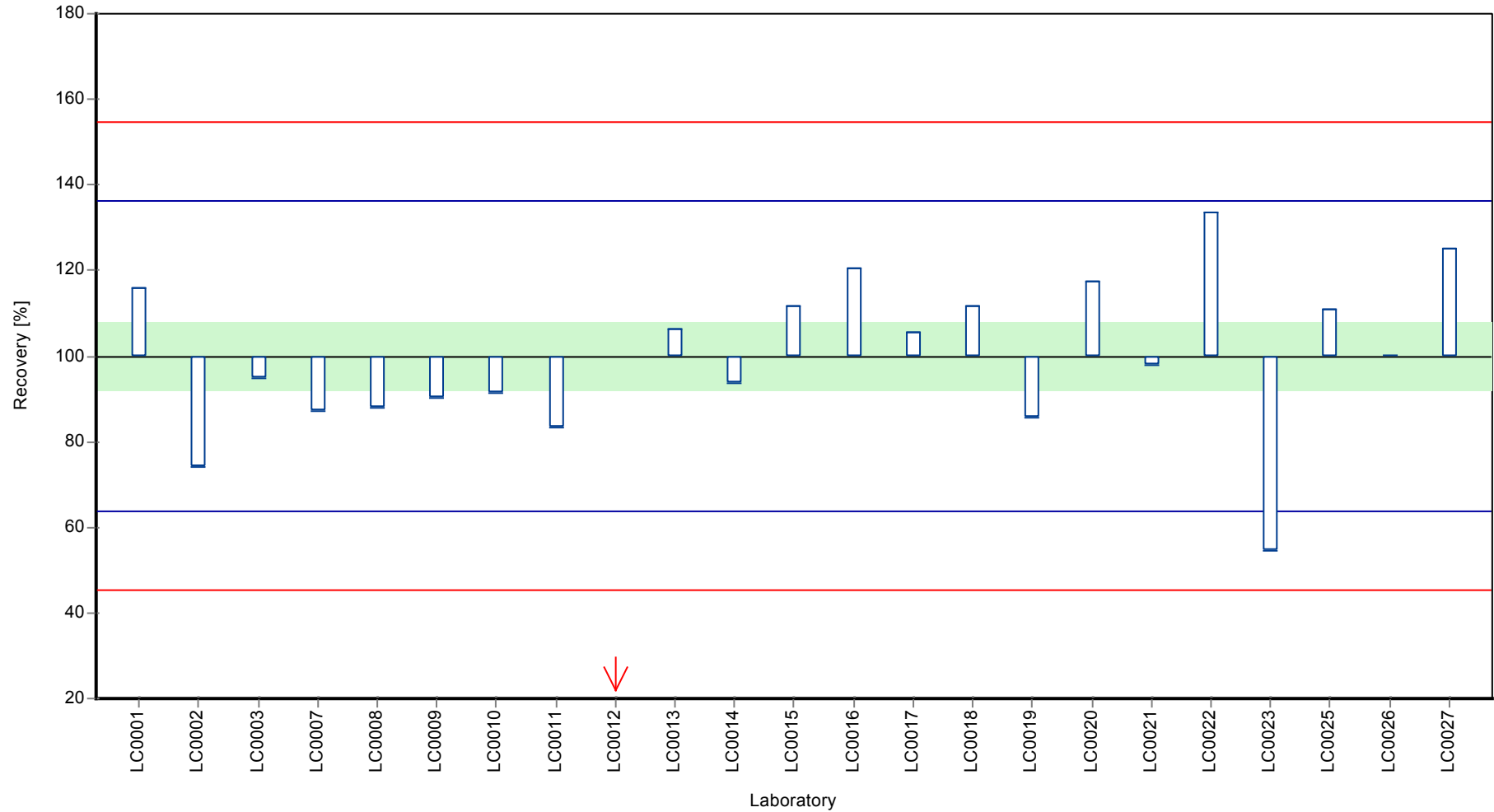
**Graphical presentation of results**  
**Results**



Parameter oriented report Volatile halogenated hydrocarbons (VHH) and BTEX/MTBE - CB03

Sample: CB03BVHH, Parameter: Tetrachloroethene

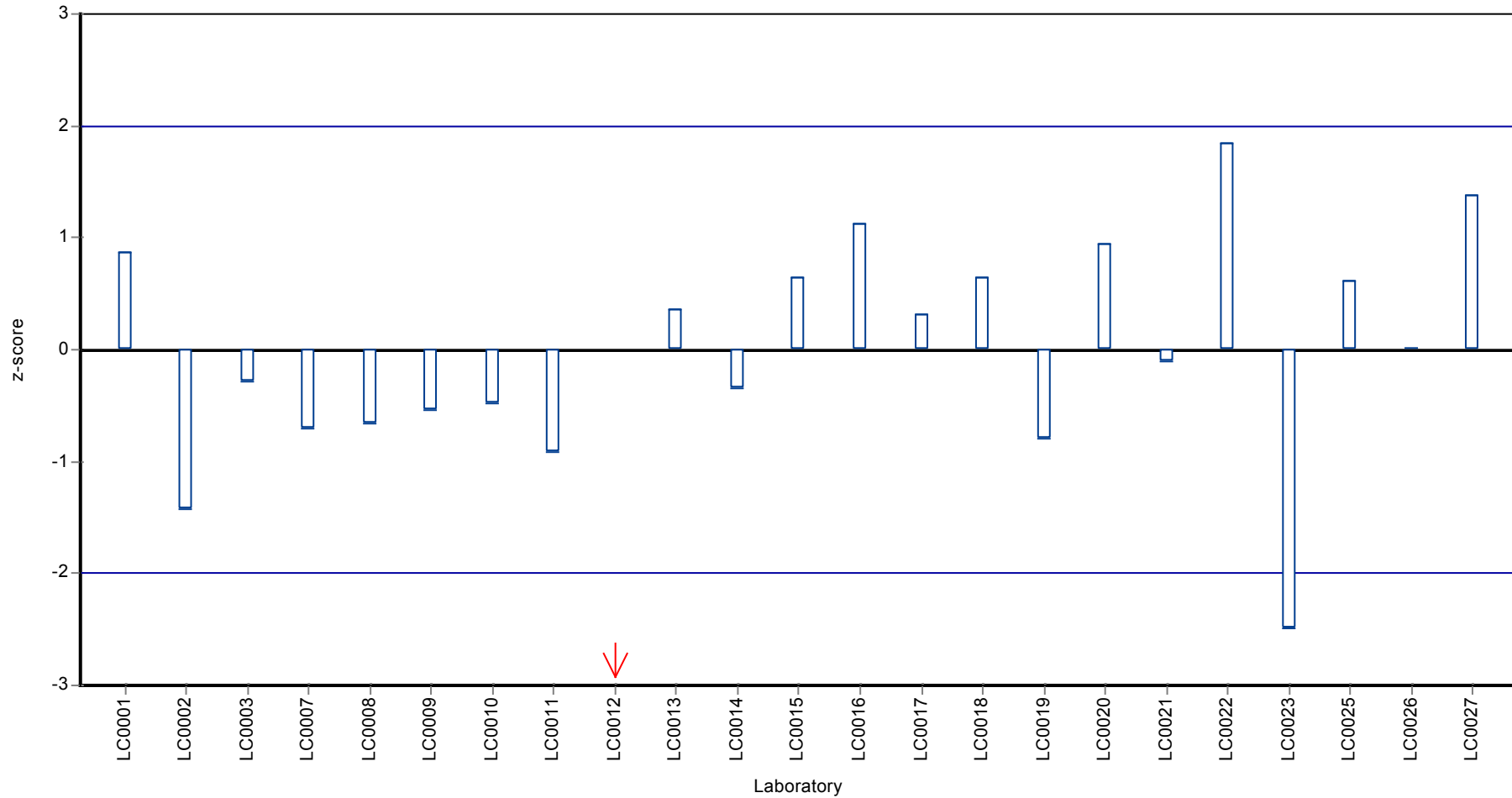
**Recovery rate**



Parameter oriented report Volatile halogenated hydrocarbons (VHH) and BTEX/MTBE - CB03

Sample: CB03BVHH, Parameter: Tetrachloroethene

**Z-score**



Parameter oriented report Volatile halogenated hydrocarbons (VHH) and BTEX/MTBE - CB03

Sample: CB03AVHH, Parameter: Tetrachloromethane

## Parameter oriented report

### CB03 A - VHH

#### Tetrachloromethane

Unit	µg/l
Mean ± CI (99%)	0.628 ± 0.0852
Minimum - Maximum	0.44 - 0.87
Control test value ± U	0.696 ± 0.106

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	< 1 (LOQ)	-	-	-	
LC0002	-	-	-	-	
LC0003	0.45	0.068	71.7	-1.47	
LC0006	-	-	-	-	
LC0007	0.52	0.1	82.9	-0.89	
LC0008	0.6	0.12	95.6	-0.23	
LC0009	0.44	0.09	70.1	-1.56	
LC0010	0.646	0.129	103	0.15	
LC0011	0.52	0.05	82.9	-0.89	
LC0012	-	-	-	-	
LC0013	0.54	0.11	86	-0.73	
LC0014	0.655	0.124	104	0.23	
LC0015	0.685	0.026	109	0.48	
LC0016	0.26	0.05	41.4	-3.05	H
LC0017	0.61	-	97.2	-0.15	
LC0018	0.68	0.2	108	0.43	
LC0019	0.67	0.04	107	0.35	
LC0020	0.54	0.11	86	-0.73	
LC0021	0.62	0.06	98.8	-0.06	
LC0022	0.85	0.26	135	1.85	
LC0023	0.242	0.017	38.6	-3.2	H
LC0025	0.62	0.09	98.8	-0.06	
LC0026	0.78	0.2	124	1.27	
LC0027	0.87	0.11	139	2.01	

#### Characteristics of parameter

	all results	without outliers	Unit
Mean ± CI (99%)	0.59 ± 0.109	0.628 ± 0.0852	µg/l
Minimum	0.242	0.44	µg/l
Maximum	0.87	0.87	µg/l
Standard deviation	0.163	0.12	µg/l
rel. Standard deviation	27.6	19.2	%
n	20	18	-

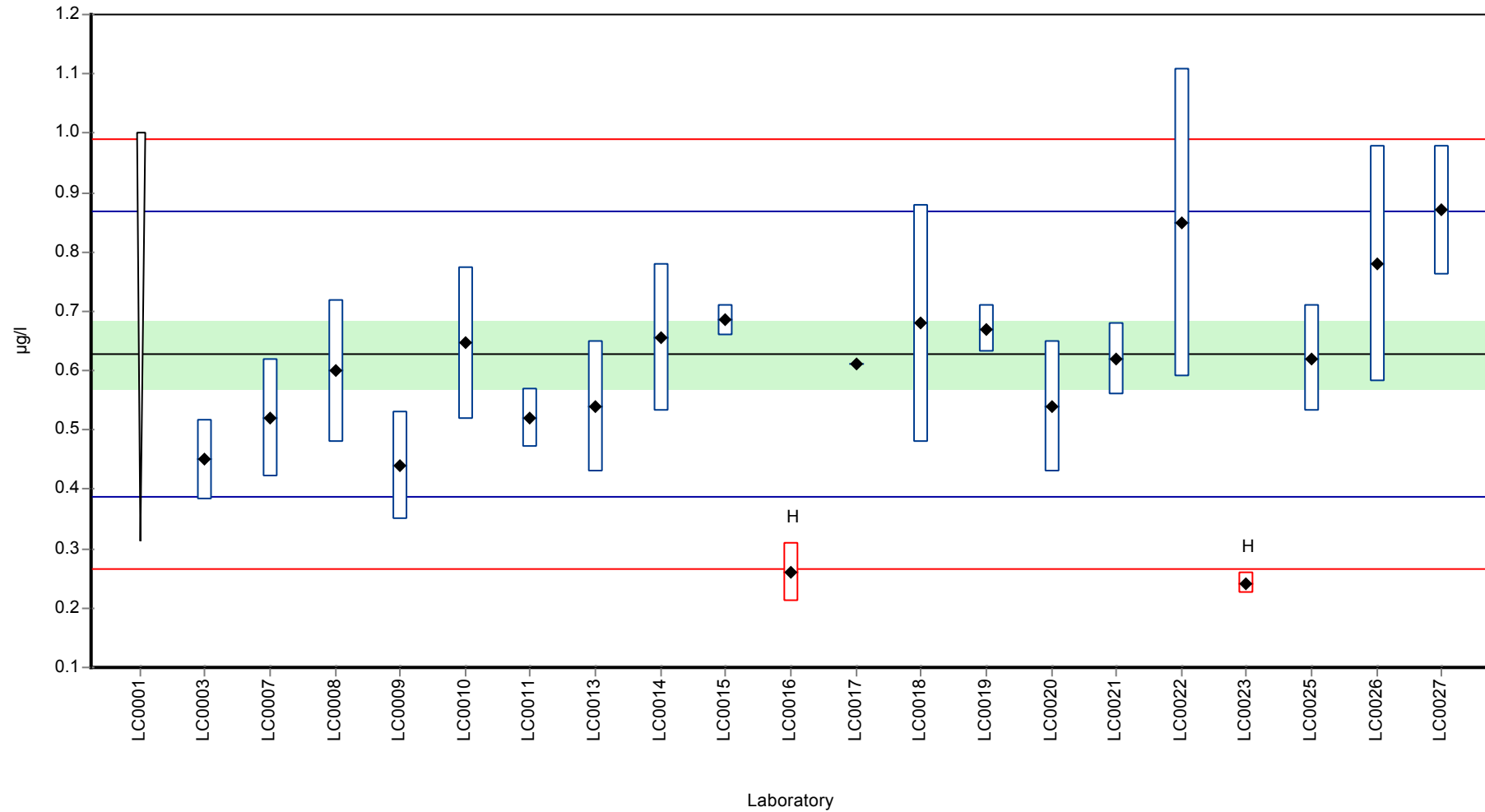


Parameter oriented report Volatile halogenated hydrocarbons (VHH) and BTEX/MTBE - CB03

Sample: CB03AVHH, Parameter: Tetrachloromethane

Graphical presentation of results

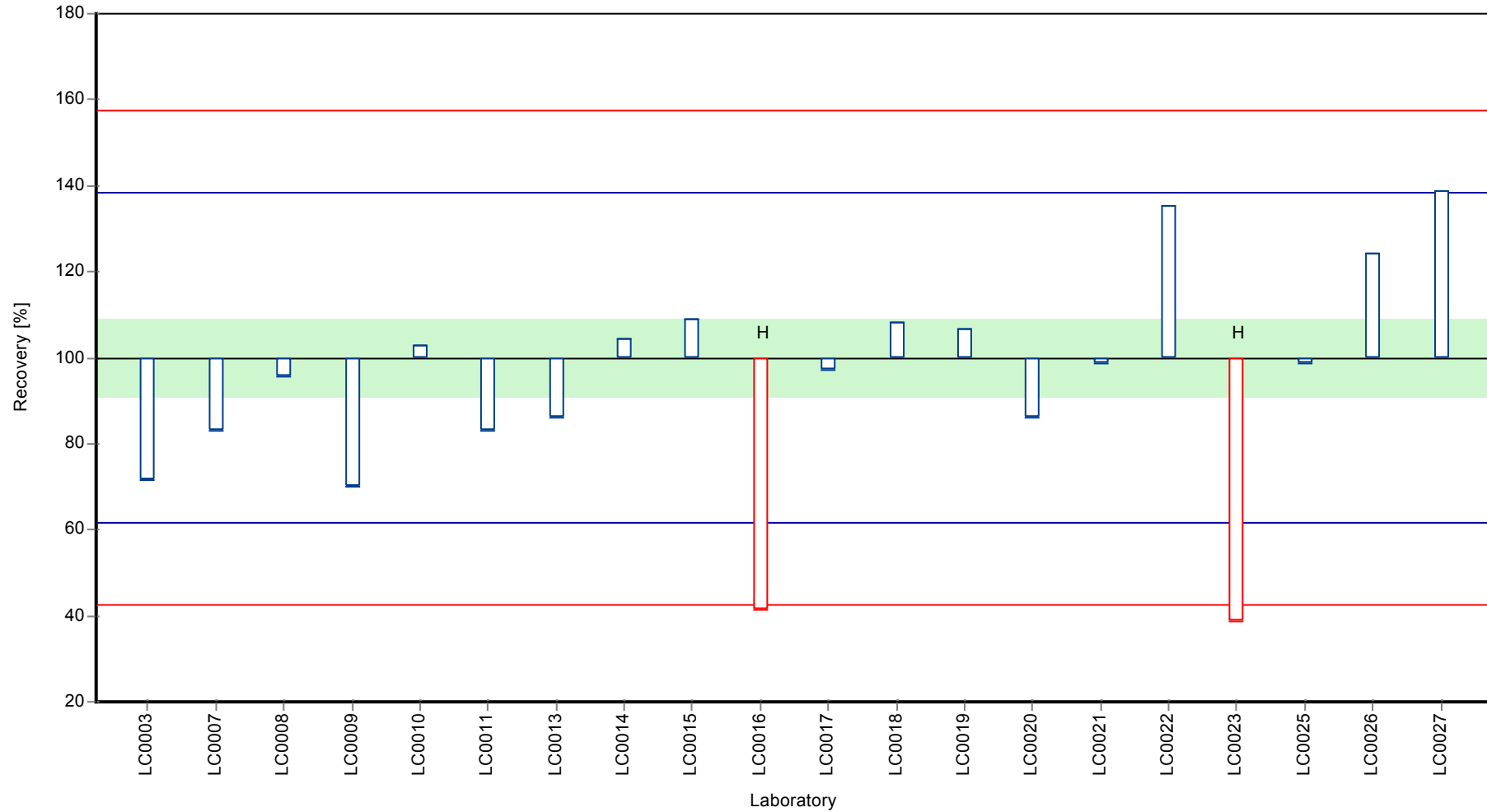
Results



Parameter oriented report Volatile halogenated hydrocarbons (VHH) and BTEX/MTBE - CB03

Sample: CB03AVHH, Parameter: Tetrachloromethane

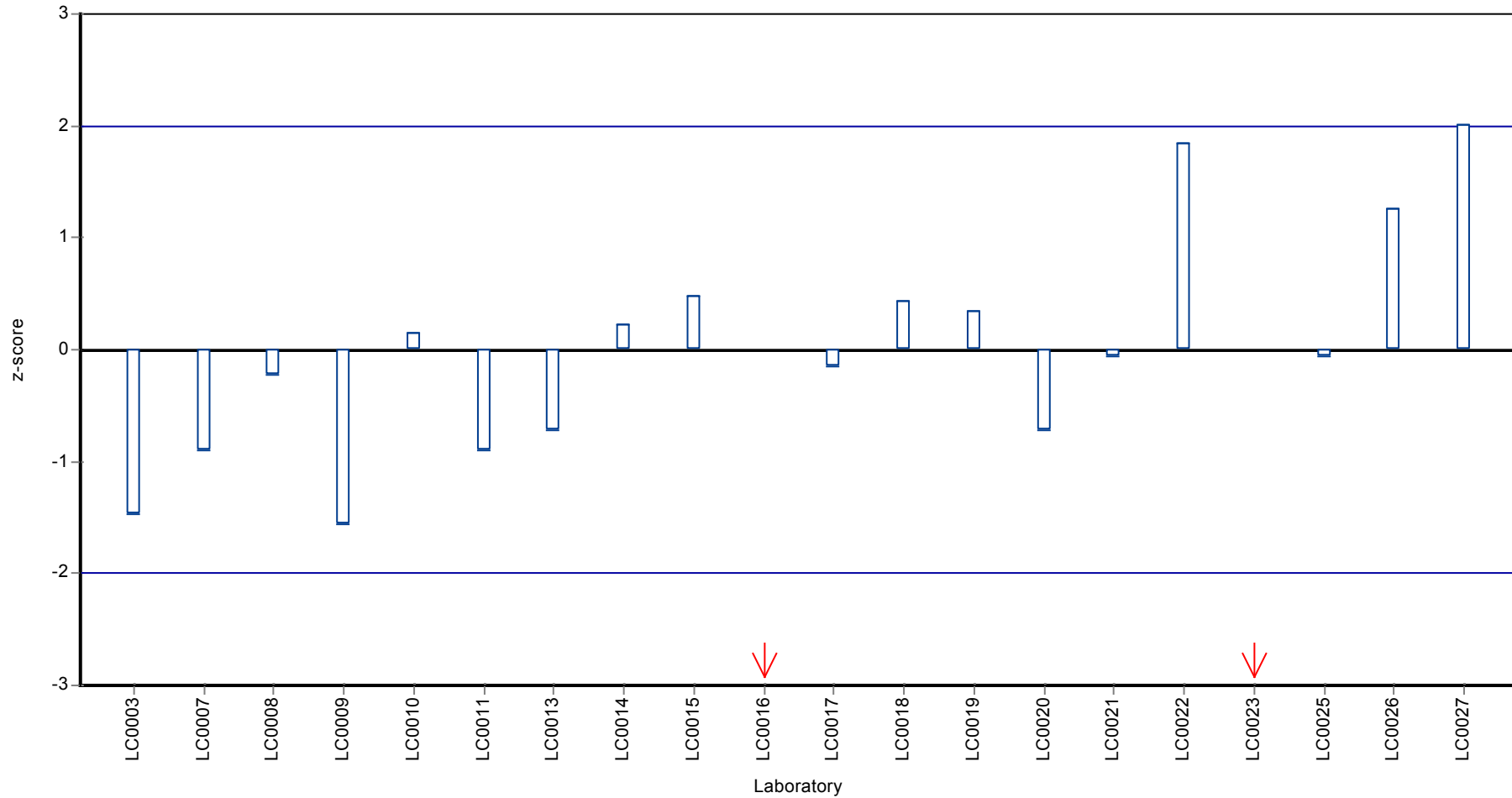
**Recovery rate**



Parameter oriented report Volatile halogenated hydrocarbons (VHH) and BTEX/MTBE - CB03

Sample: CB03AVHH, Parameter: Tetrachloromethane

**Z-score**



Parameter oriented report Volatile halogenated hydrocarbons (VHH) and BTEX/MTBE - CB03

Sample: CB03BVHH, Parameter: Tetrachloromethane

## Parameter oriented report

### CB03 B - VHH

#### Tetrachloromethane

Unit	µg/l
Mean ± CI (99%)	2.61 ± 0.367
Minimum - Maximum	1.61 - 3.7
Control test value ± U	3.27 ± 0.554

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	2.8	0.08	107	0.33	
LC0002	-	-	-	-	
LC0003	2.12	0.319	81.1	-0.88	
LC0006	-	-	-	-	
LC0007	2.11	0.3	80.7	-0.9	
LC0008	2.44	0.49	93.3	-0.31	
LC0009	2.12	0.42	81.1	-0.88	
LC0010	2.976	0.595	114	0.65	
LC0011	2.18	0.22	83.4	-0.78	
LC0012	-	-	-	-	
LC0013	2.54	0.51	97.1	-0.13	
LC0014	2.32	0.441	88.7	-0.53	
LC0015	2.88	0.092	110	0.47	
LC0016	3.7	0.74	142	1.94	
LC0017	2.74	-	105	0.22	
LC0018	3.03	0.91	116	0.74	
LC0019	1.71	0.14	65.4	-1.62	
LC0020	2.4	0.48	91.8	-0.38	
LC0021	2.76	0.3	106	0.26	
LC0022	2.94	0.88	112	0.58	
LC0023	1.613	0.136	61.7	-1.79	
LC0025	2.52	0.38	96.4	-0.17	
LC0026	3.4	0.7	130	1.4	
LC0027	3.61	0.36	138	1.78	

#### Characteristics of parameter

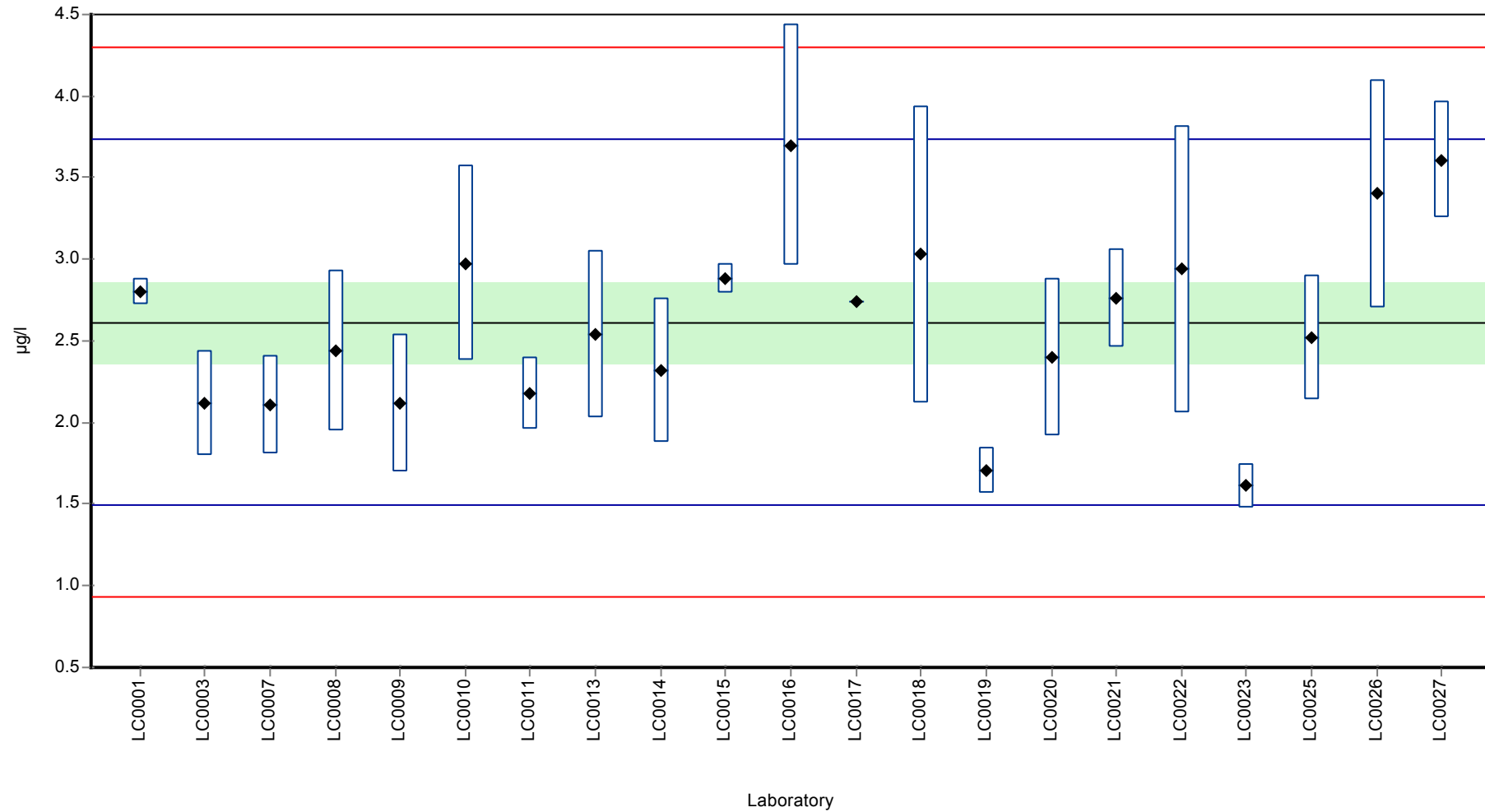
	all results	without outliers	Unit
Mean ± CI (99%)	2.61 ± 0.367	2.61 ± 0.367	µg/l
Minimum	1.61	1.61	µg/l
Maximum	3.7	3.7	µg/l
Standard deviation	0.56	0.56	µg/l
rel. Standard deviation	21.4	21.4	%
n	21	21	-

Parameter oriented report Volatile halogenated hydrocarbons (VHH) and BTEX/MTBE - CB03

Sample: CB03BVHH, Parameter: Tetrachloromethane

Graphical presentation of results

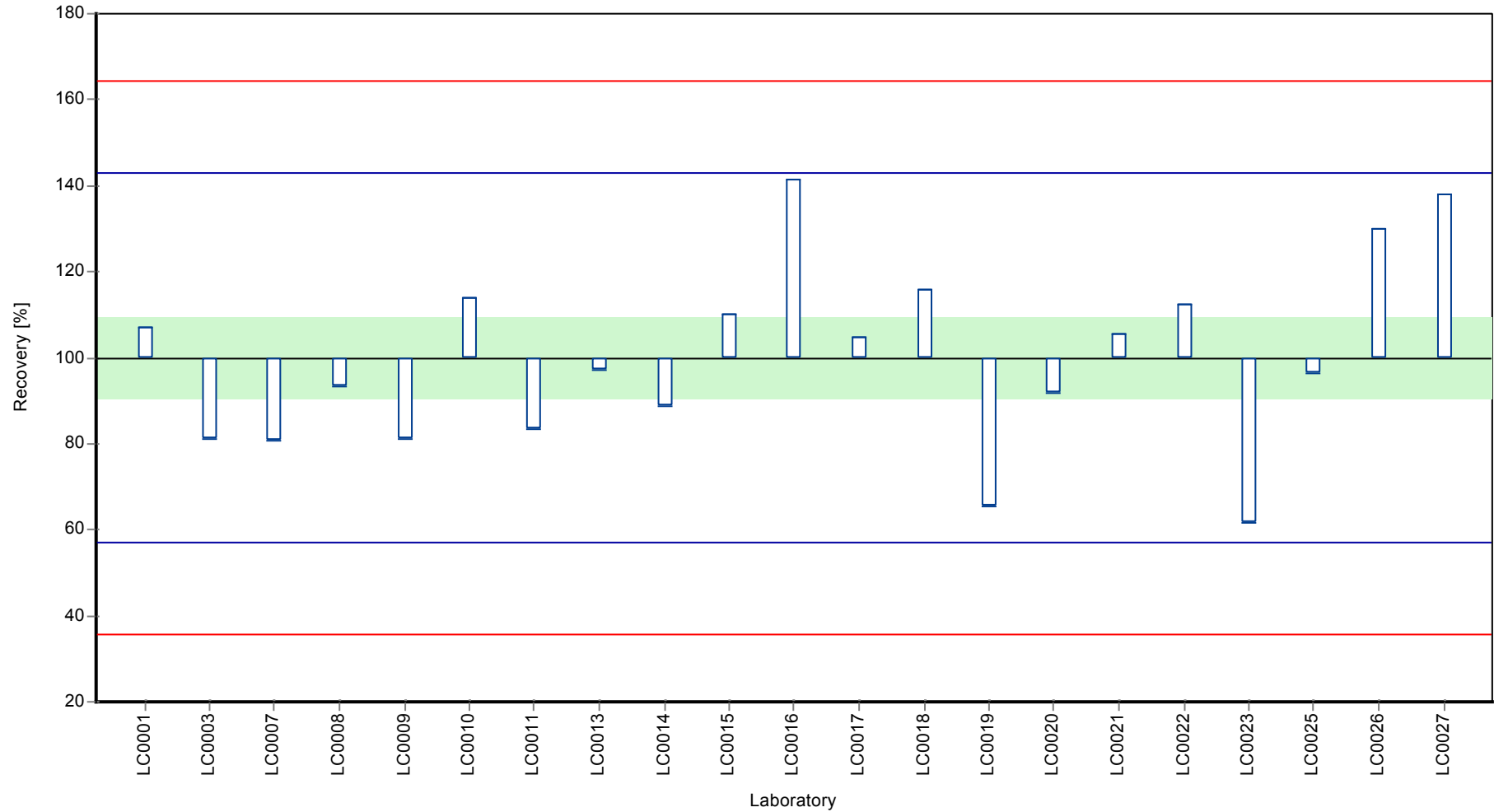
Results



Parameter oriented report Volatile halogenated hydrocarbons (VHH) and BTEX/MTBE - CB03

Sample: CB03BVHH, Parameter: Tetrachloromethane

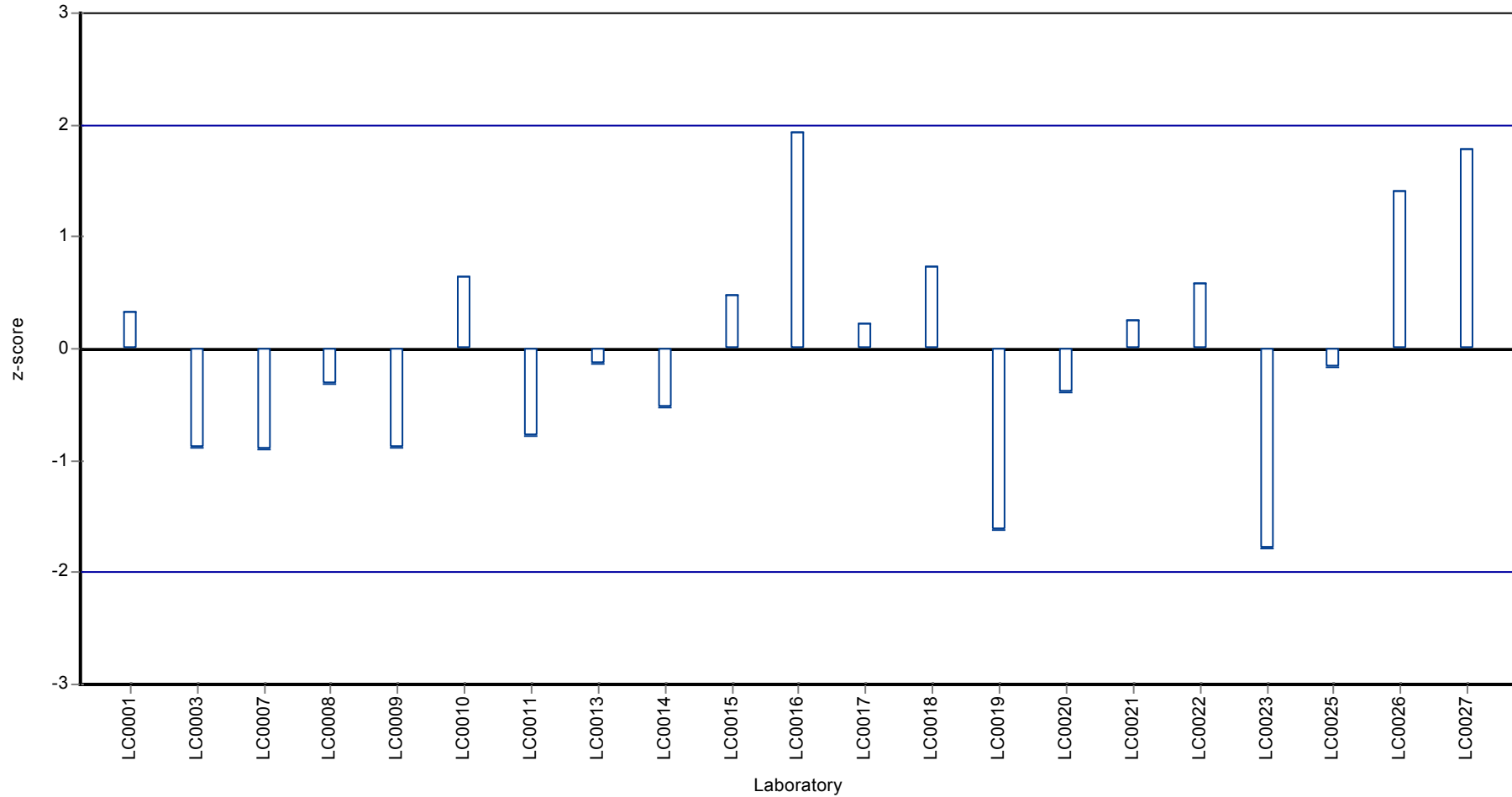
**Recovery rate**



Parameter oriented report Volatile halogenated hydrocarbons (VHH) and BTEX/MTBE - CB03

Sample: CB03BVHH, Parameter: Tetrachloromethane

**Z-score**



Parameter oriented report Volatile halogenated hydrocarbons (VHH) and BTEX/MTBE - CB03

Sample: CB03AVHH, Parameter: trans-1,2-Dichloroethene

## Parameter oriented report

### CB03 A - VHH

#### trans-1,2-Dichloroethene

Unit	µg/l
Mean ± CI (99%)	0.499 ± 0.0904
Minimum - Maximum	0.135 - 0.76
Control test value ± U	0.518 ± 0.0167

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	< 1 (LOQ)	-	-	-	
LC0002	0.38	0.17	76.1	-0.91	
LC0003	0.41	0.062	82.1	-0.68	
LC0006	-	-	-	-	
LC0007	-	-	-	-	
LC0008	0.55	0.11	110	0.39	
LC0009	0.48	0.1	96.1	-0.15	
LC0010	8.899	1.779	1780	63.9	H
LC0011	0.49	0.05	98.1	-0.07	
LC0012	-	-	-	-	
LC0013	0.44	0.09	88.1	-0.45	
LC0014	0.585	0.152	117	0.65	
LC0015	0.47	0.027	94.1	-0.22	
LC0016	0.64	0.13	128	1.07	
LC0017	0.46	-	92.1	-0.3	
LC0018	0.6	0.18	120	0.77	
LC0019	0.4	0.02	80.1	-0.76	
LC0020	0.57	0.11	114	0.54	
LC0021	0.48	0.05	96.1	-0.15	
LC0022	0.76	0.23	152	1.98	
LC0023	0.135	0.011	27	-2.77	
LC0025	0.48	0.07	96.1	-0.15	
LC0026	0.5	0.1	100	0.00	
LC0027	0.66	0.1	132	1.22	

#### Characteristics of parameter

	all results	without outliers	Unit
Mean ± CI (99%)	0.919 ± 1.26	0.499 ± 0.0904	µg/l
Minimum	0.135	0.135	µg/l
Maximum	8.9	0.76	µg/l
Standard deviation	1.88	0.131	µg/l
rel. Standard deviation	205	26.3	%
n	20	19	-

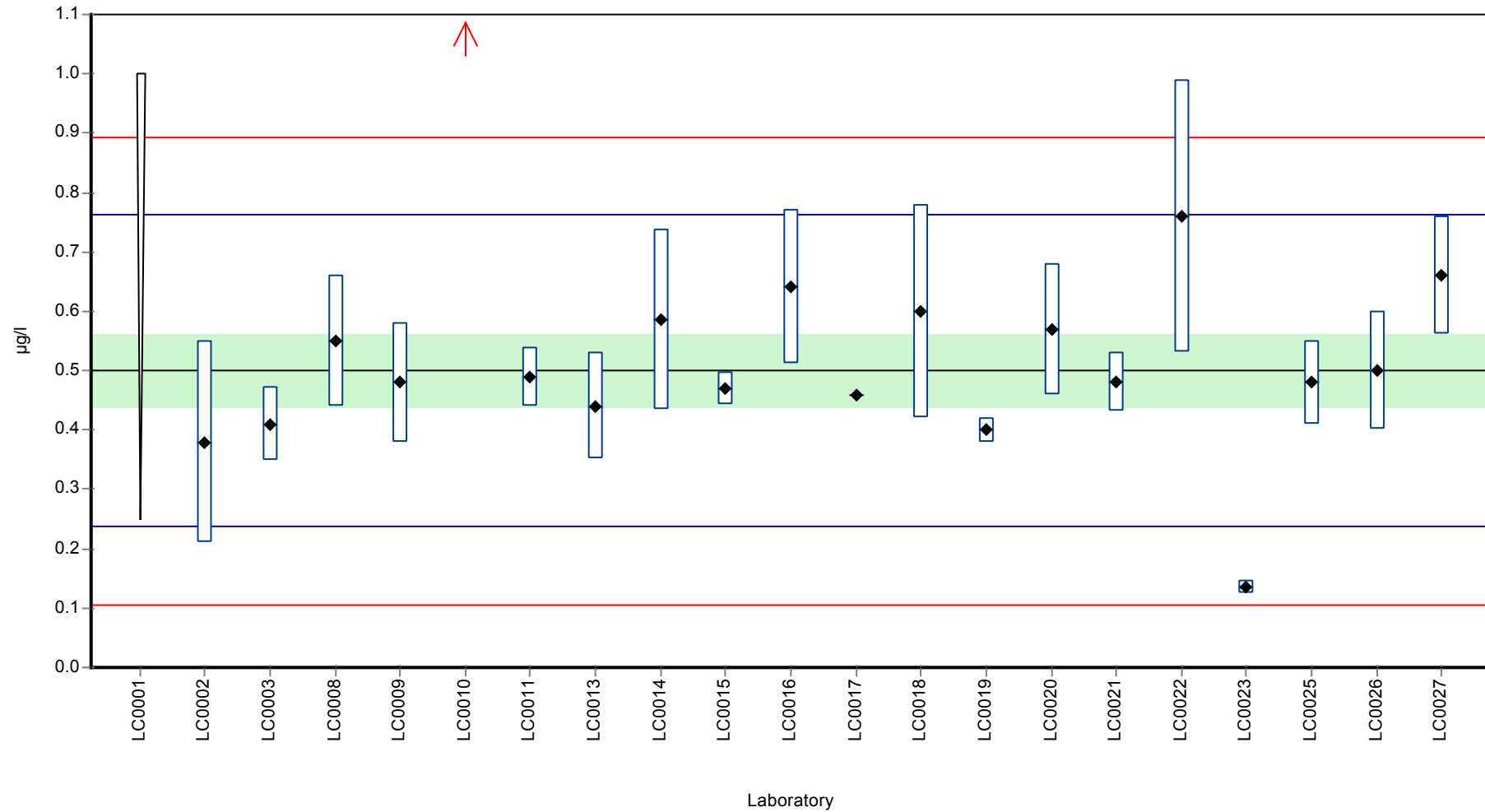


Parameter oriented report Volatile halogenated hydrocarbons (VHH) and BTEX/MTBE - CB03

Sample: CB03AVHH, Parameter: trans-1,2-Dichloroethene

Graphical presentation of results

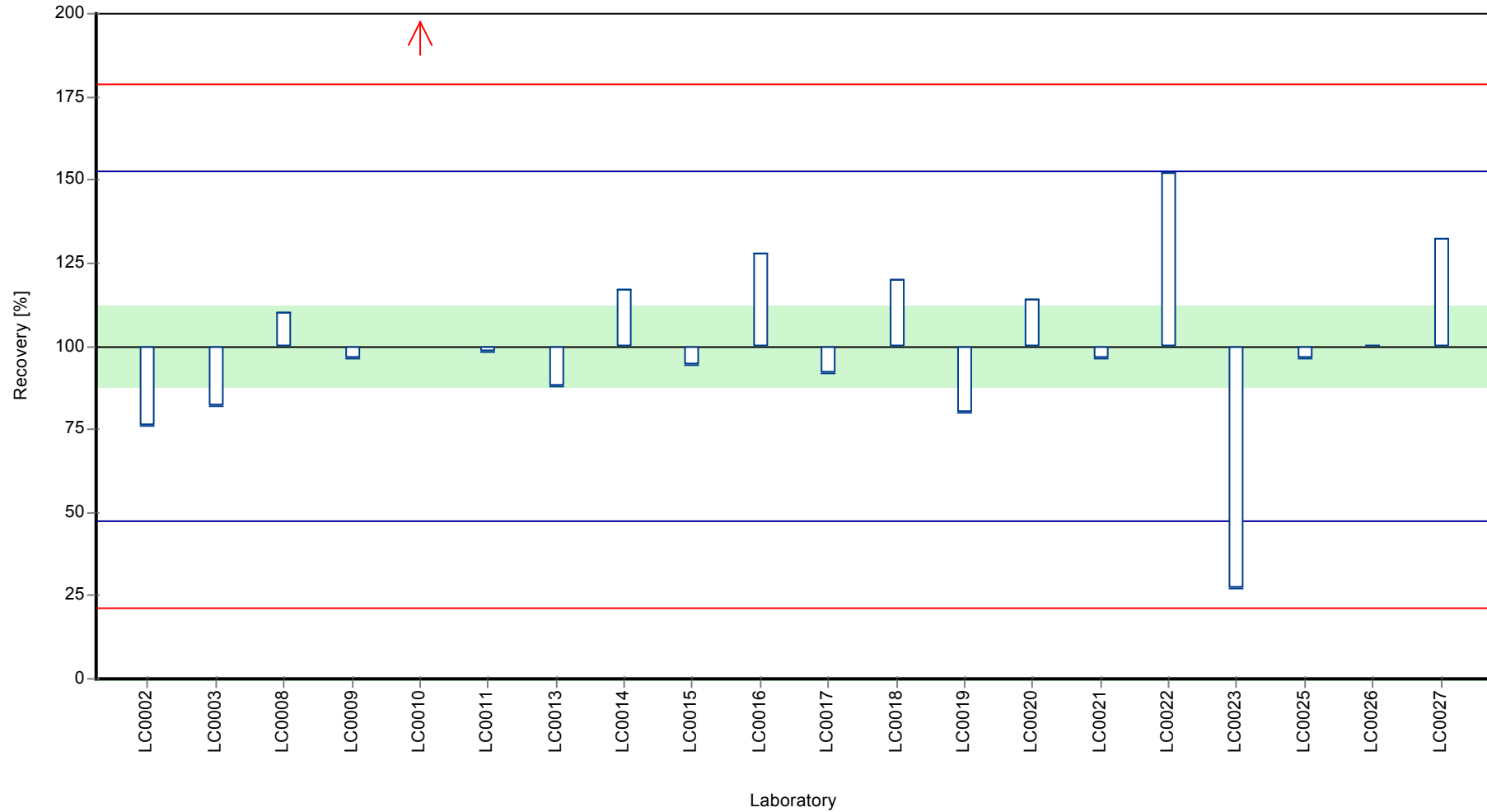
Results



Parameter oriented report Volatile halogenated hydrocarbons (VHH) and BTEX/MTBE - CB03

Sample: CB03AVHH, Parameter: trans-1,2-Dichloroethene

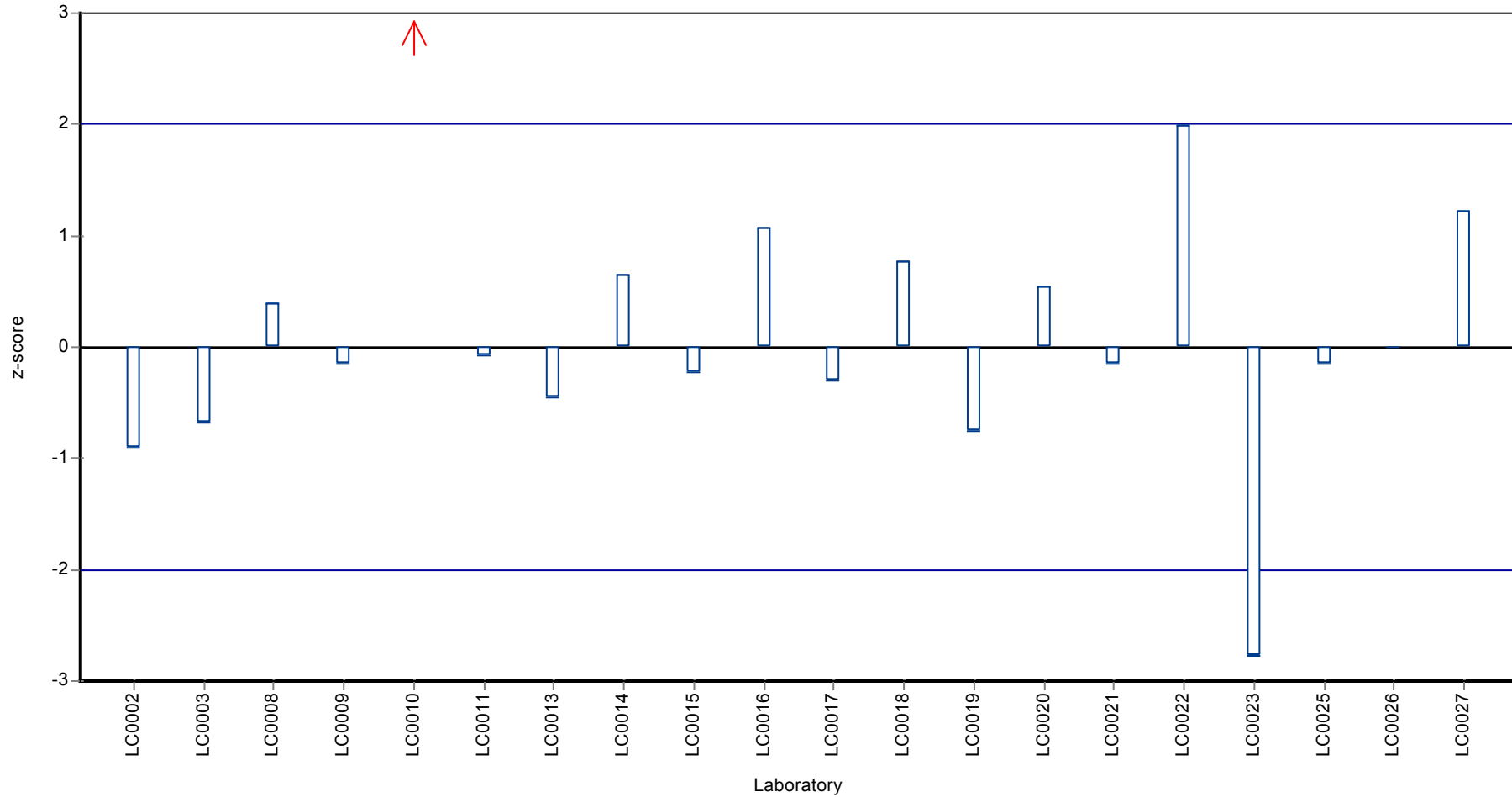
**Recovery rate**



Parameter oriented report Volatile halogenated hydrocarbons (VHH) and BTEX/MTBE - CB03

Sample: CB03AVHH, Parameter: trans-1,2-Dichloroethene

**Z-score**



Parameter oriented report Volatile halogenated hydrocarbons (VHH) and BTEX/MTBE - CB03

Sample: CB03BVHH, Parameter: trans-1,2-Dichloroethene

## Parameter oriented report

### CB03 B - VHH

#### trans-1,2-Dichloroethene

Unit	µg/l
Mean ± CI (99%)	5.45 ± 0.909
Minimum - Maximum	2.41 - 8.32
Control test value ± U	6.08 ± 0.705

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	6.5	0.2	119	0.78	
LC0002	3.6	0.94	66.1	-1.37	
LC0003	4.78	0.717	87.7	-0.49	
LC0006	-	-	-	-	
LC0007	-	-	-	-	
LC0008	5.71	1.14	105	0.19	
LC0009	4.92	0.98	90.3	-0.39	
LC0010	44.289	8.857	813	28.7	H
LC0011	4.99	0.5	91.6	-0.34	
LC0012	-	-	-	-	
LC0013	5.59	1.12	103	0.1	
LC0014	5.54	1.44	102	0.07	
LC0015	5.13	0.184	94.1	-0.24	
LC0016	8.32	1.66	153	2.12	
LC0017	4.84	-	88.8	-0.45	
LC0018	6.59	1.98	121	0.84	
LC0019	2.41	0.27	44.2	-2.24	
LC0020	5.3	1.06	97.2	-0.11	
LC0021	5.22	0.5	95.8	-0.17	
LC0022	7.78	2.33	143	1.72	
LC0023	3.718	0.389	68.2	-1.28	
LC0025	5.62	0.84	103	0.13	
LC0026	5.8	1.2	106	0.26	
LC0027	6.64	0.66	122	0.88	

#### Characteristics of parameter

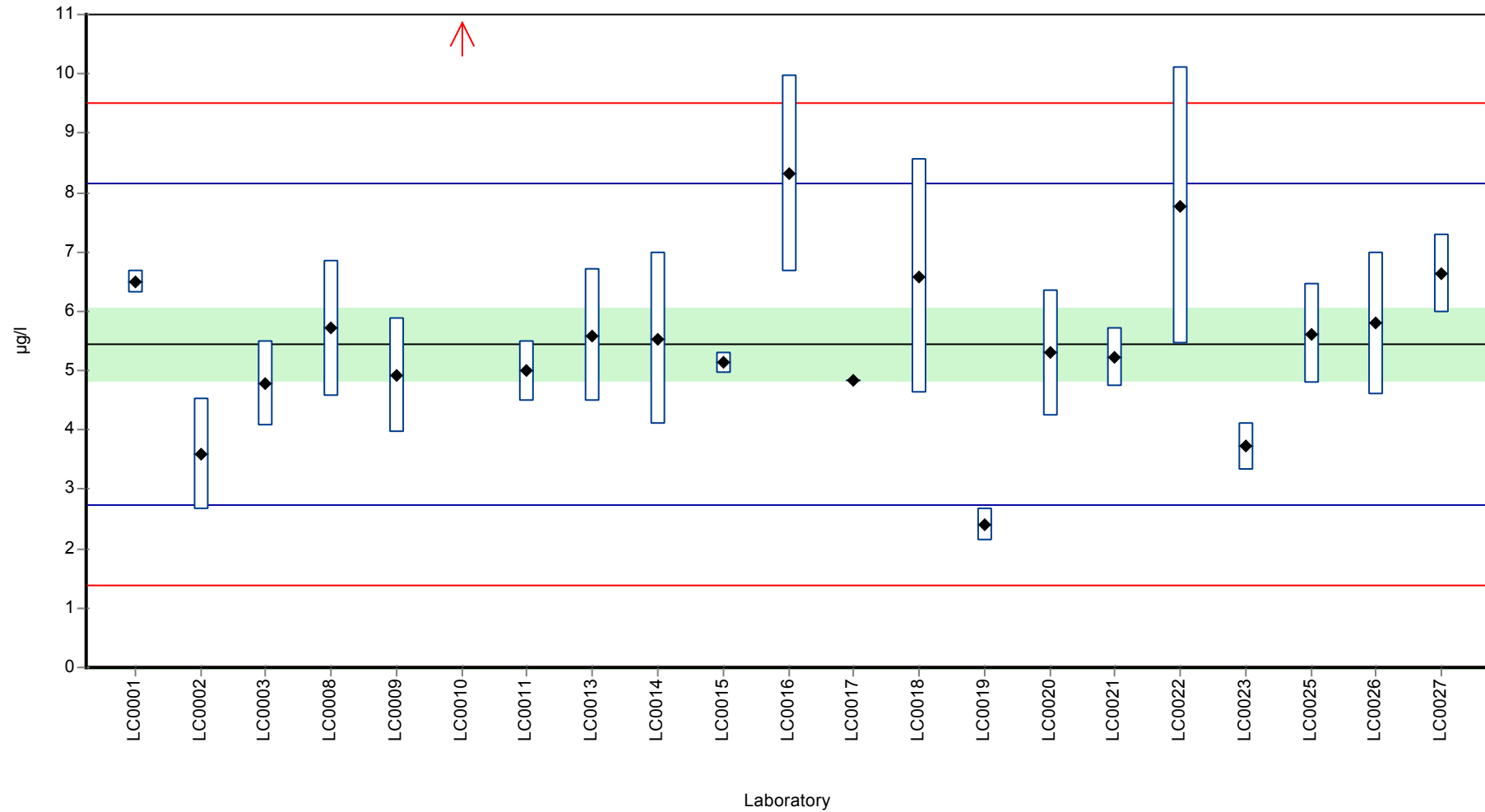
	all results	without outliers	Unit
Mean ± CI (99%)	7.3 ± 5.62	5.45 ± 0.909	µg/l
Minimum	2.41	2.41	µg/l
Maximum	44.3	8.32	µg/l
Standard deviation	8.58	1.36	µg/l
rel. Standard deviation	118	24.9	%
n	21	20	-

Parameter oriented report Volatile halogenated hydrocarbons (VHH) and BTEX/MTBE - CB03

Sample: CB03BVHH, Parameter: trans-1,2-Dichloroethene

Graphical presentation of results

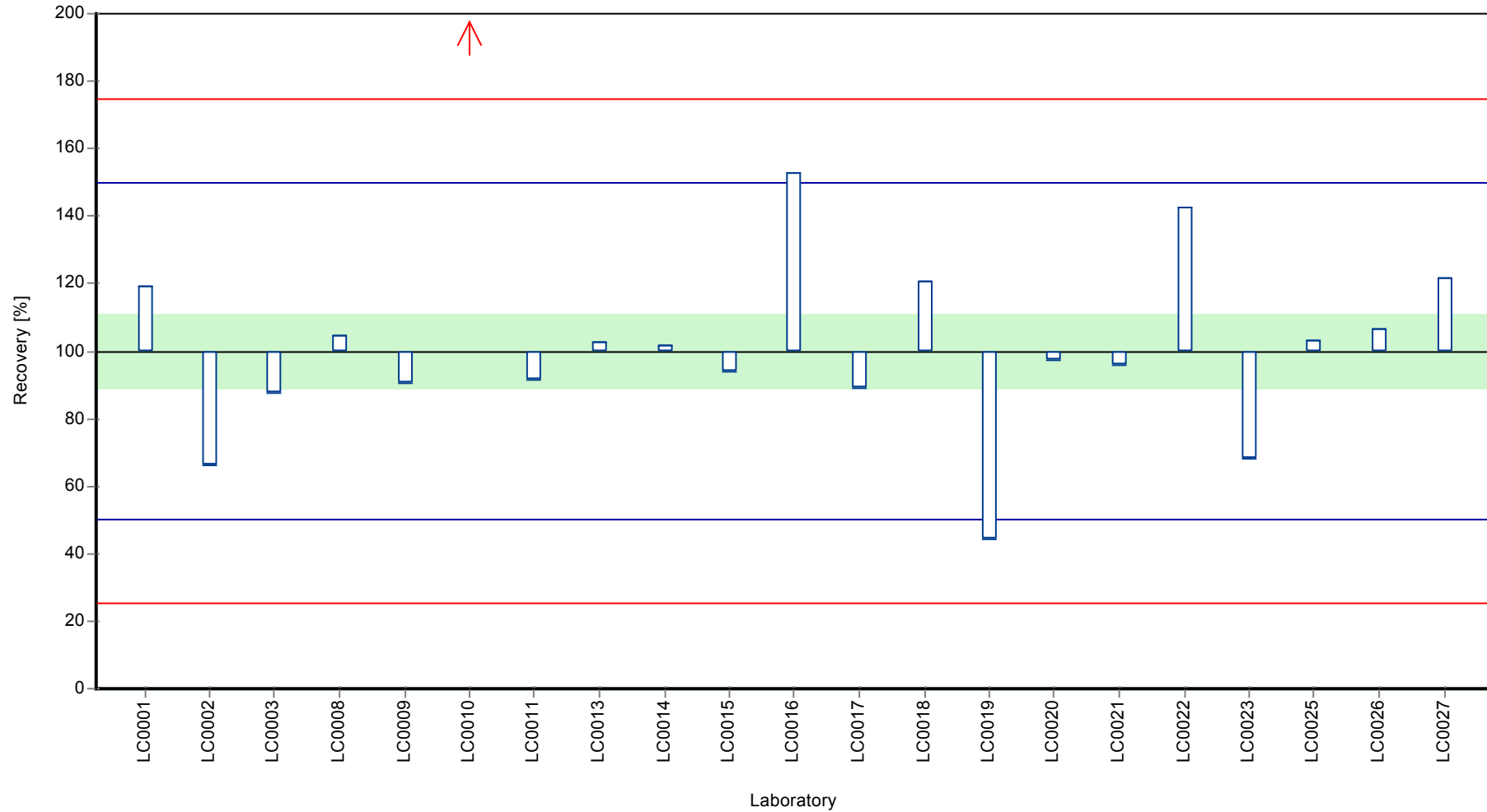
Results



Parameter oriented report Volatile halogenated hydrocarbons (VHH) and BTEX/MTBE - CB03

Sample: CB03BVHH, Parameter: trans-1,2-Dichloroethene

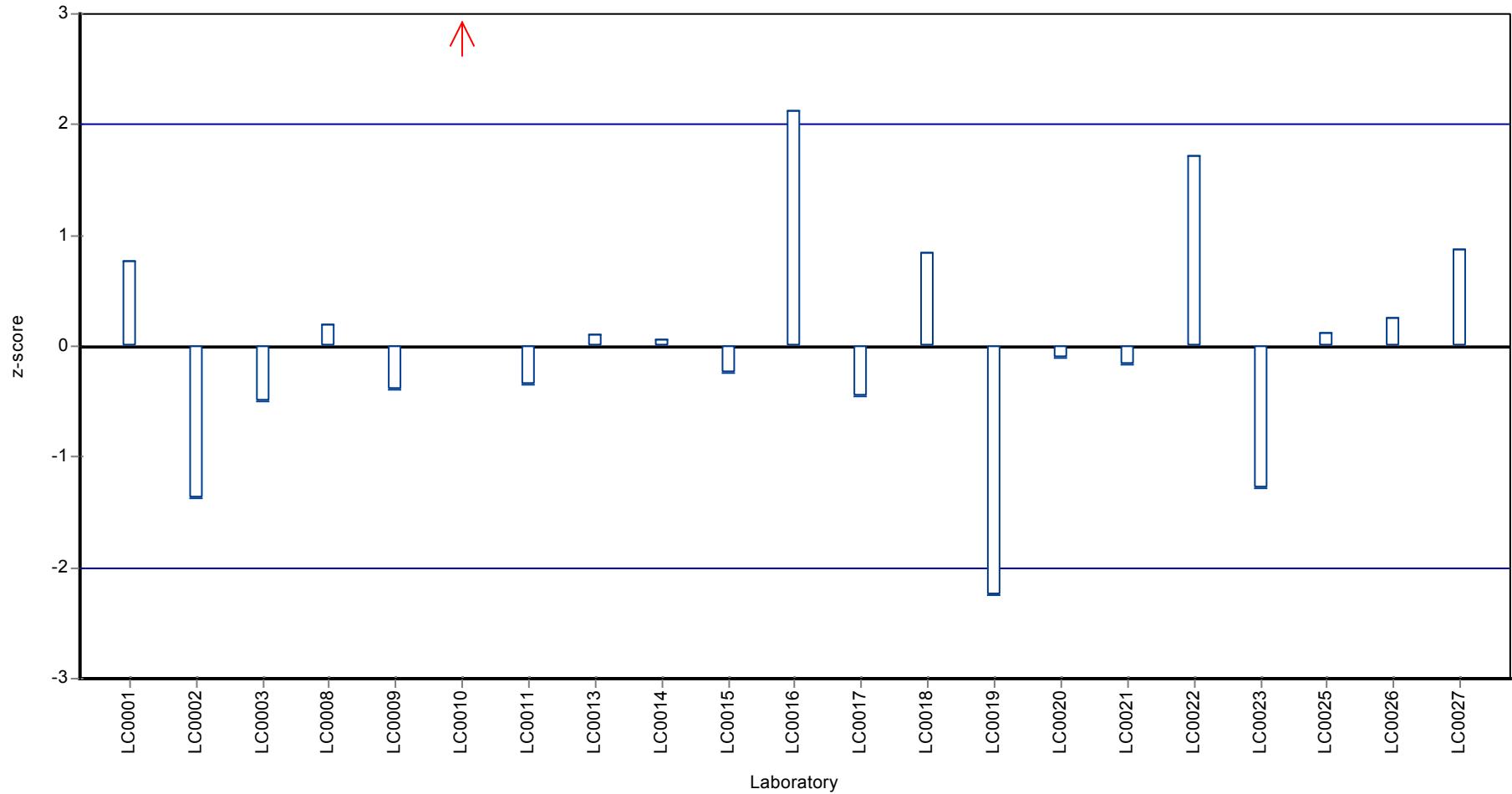
**Recovery rate**



Parameter oriented report Volatile halogenated hydrocarbons (VHH) and BTEX/MTBE - CB03

Sample: CB03BVHH, Parameter: trans-1,2-Dichloroethene

**Z-score**



Parameter oriented report Volatile halogenated hydrocarbons (VHH) and BTEX/MTBE - CB03

Sample: CB03AVHH, Parameter: Tribromomethane

## Parameter oriented report

### CB03 A - VHH

#### Tribromomethane

Unit	µg/l
Mean ± CI (99%)	3.6 ± 0.291
Minimum - Maximum	2.53 - 4.28
Control test value ± U	3.46 ± 0.286

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	3.4	0.1	94.5	-0.48	
LC0002	-	-	-	-	
LC0003	3.71	0.557	103	0.27	
LC0006	-	-	-	-	
LC0007	3.27	0.4	90.8	-0.8	
LC0008	3.46	0.69	96.1	-0.34	
LC0009	3.41	0.68	94.7	-0.46	
LC0010	3.806	0.761	106	0.5	
LC0011	3.44	0.35	95.6	-0.39	
LC0012	-	-	-	-	
LC0013	4.14	0.83	115	1.32	
LC0014	3.88	1.164	108	0.68	
LC0015	3.61	0.077	100	0.03	
LC0016	0.14	0.03	3.9	-8.42	H
LC0017	3.49	-	97	-0.27	
LC0018	1.83	0.55	50.8	-4.31	H
LC0019	4.28	0.13	119	1.66	
LC0020	3.58	0.72	99.5	-0.05	
LC0021	3.11	0.3	86.4	-1.19	
LC0022	3.64	1.09	101	0.1	
LC0023	2.534	0.103	70.4	-2.59	
LC0025	3.92	0.59	109	0.78	
LC0026	-	-	-	-	
LC0027	4.11	0.41	114	1.24	

#### Characteristics of parameter

	all results	without outliers	Unit
Mean ± CI (99%)	3.34 ± 0.627	3.6 ± 0.291	µg/l
Minimum	0.14	2.53	µg/l
Maximum	4.28	4.28	µg/l
Standard deviation	0.935	0.411	µg/l
rel. Standard deviation	28	11.4	%
n	20	18	-

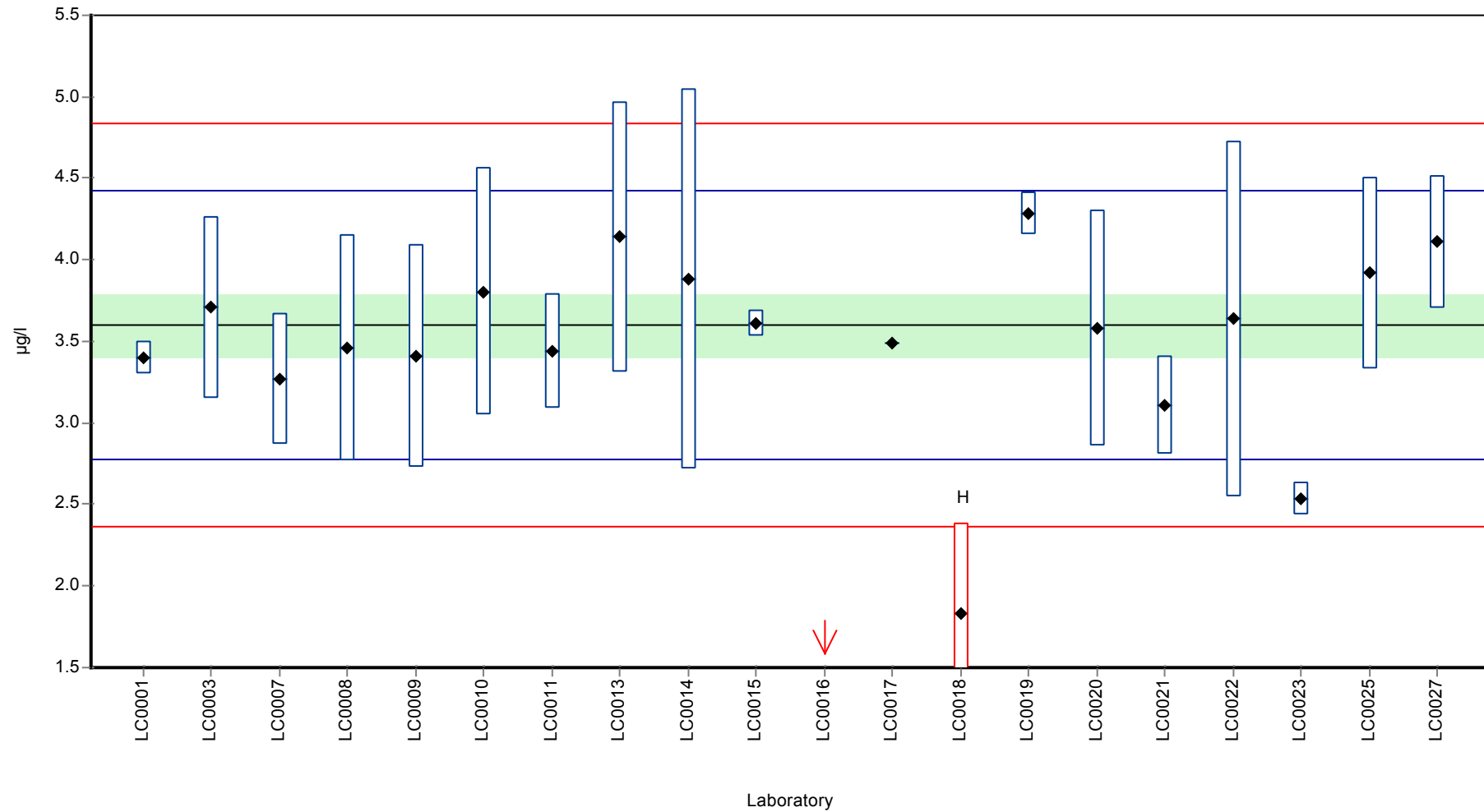


Parameter oriented report Volatile halogenated hydrocarbons (VHH) and BTEX/MTBE - CB03

Sample: CB03AVHH, Parameter: Tribromomethane

Graphical presentation of results

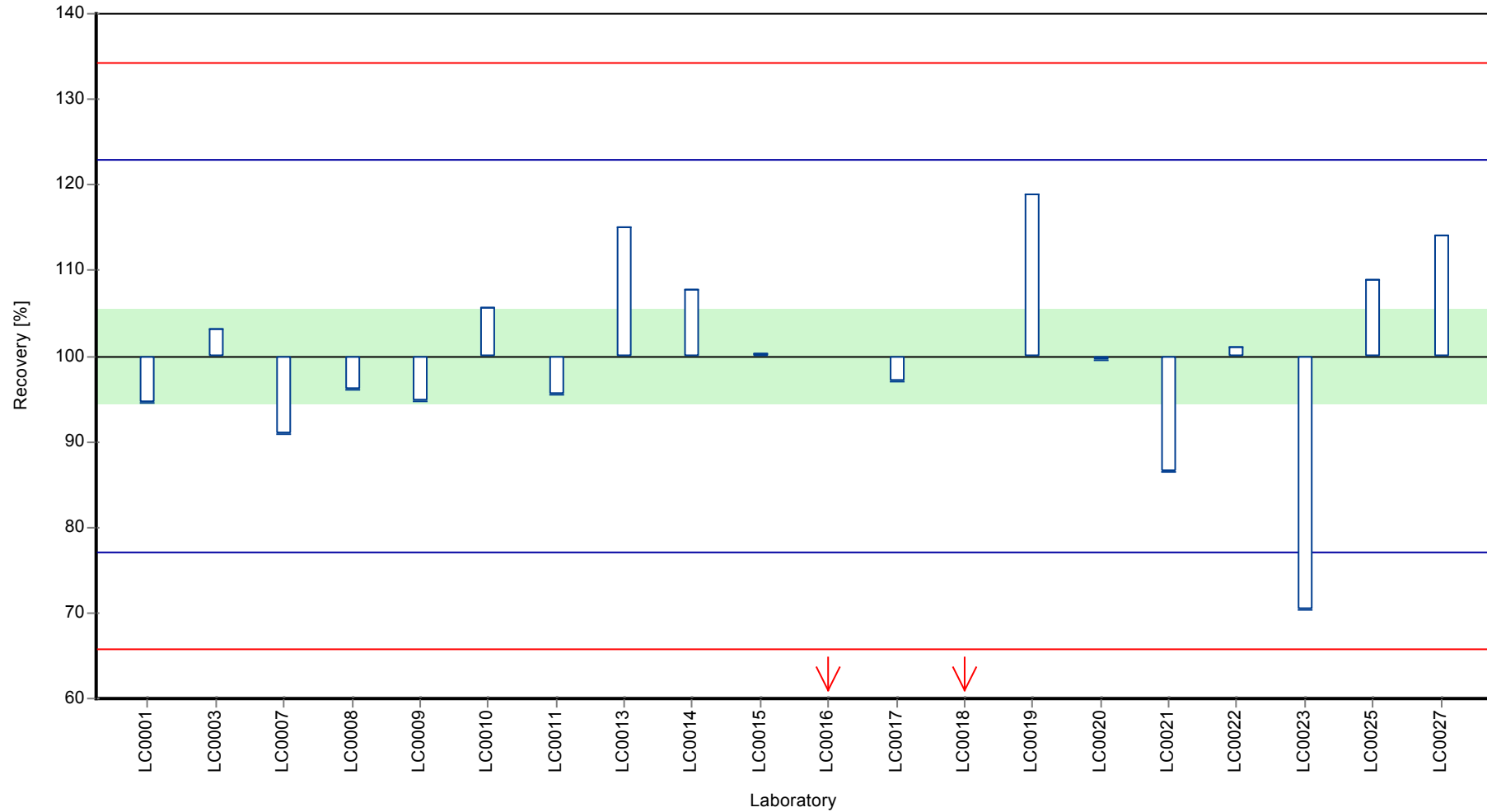
Results



Parameter oriented report Volatile halogenated hydrocarbons (VHH) and BTEX/MTBE - CB03

Sample: CB03AVHH, Parameter: Tribromomethane

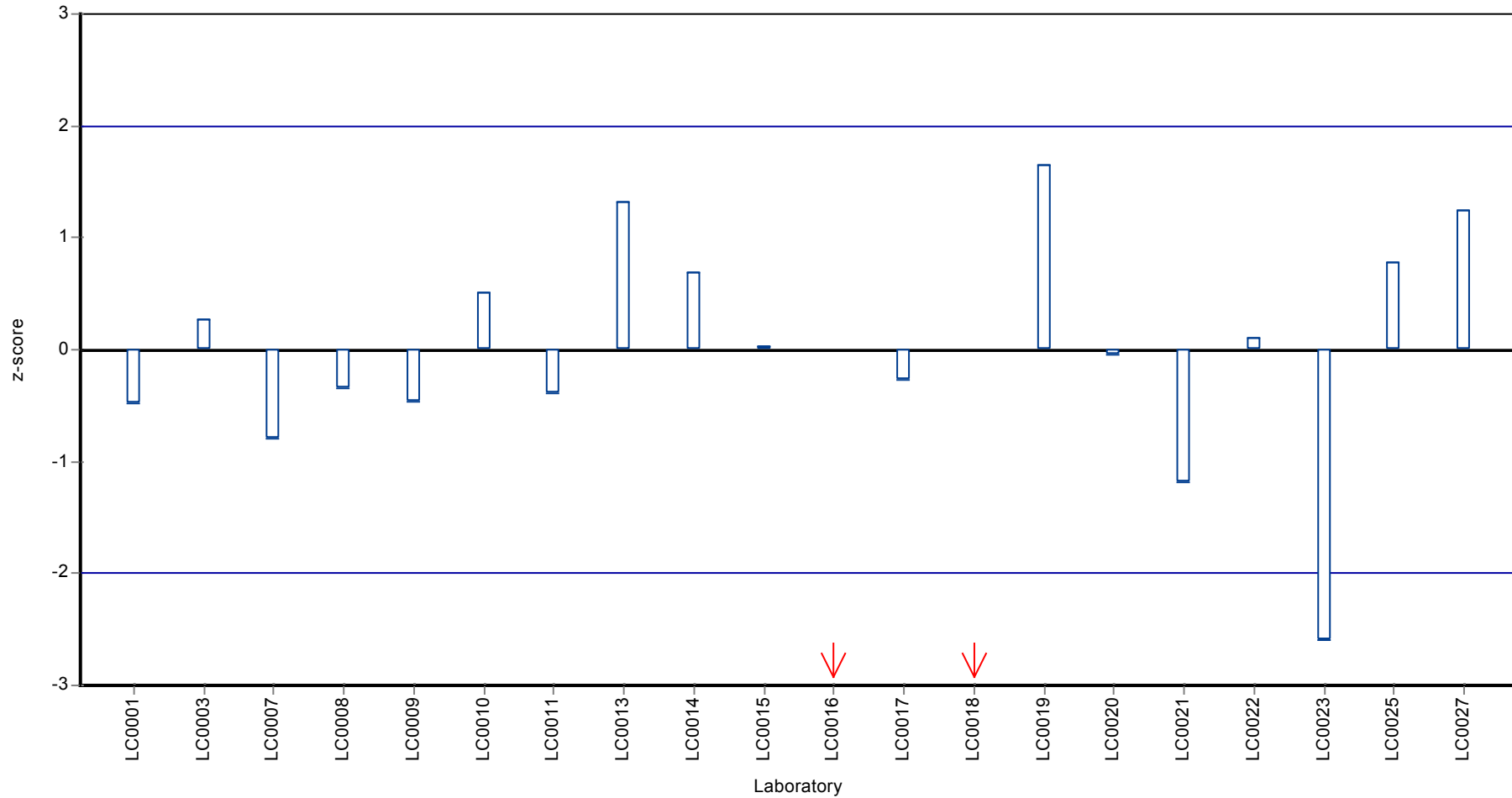
**Recovery rate**



Parameter oriented report Volatile halogenated hydrocarbons (VHH) and BTEX/MTBE - CB03

Sample: CB03AVHH, Parameter: Tribromomethane

**Z-score**



Parameter oriented report Volatile halogenated hydrocarbons (VHH) and BTEX/MTBE - CB03

Sample: CB03BVHH, Parameter: Tribromomethane

## Parameter oriented report

### CB03 B - VHH

#### Tribromomethane

Unit	µg/l
Mean ± CI (99%)	6.24 ± 0.565
Minimum - Maximum	4.43 - 7.38
Control test value ± U	6.23 ± 0.766

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	6.3	0.2	101	0.07	
LC0002	-	-	-	-	
LC0003	6.75	1.013	108	0.61	
LC0006	-	-	-	-	
LC0007	5.79	0.6	92.8	-0.53	
LC0008	6.61	1.32	106	0.44	
LC0009	6.09	1.22	97.6	-0.17	
LC0010	6.855	1.379	110	0.73	
LC0011	6.1	0.61	97.8	-0.16	
LC0012	-	-	-	-	
LC0013	7.38	1.48	118	1.36	
LC0014	6.9	2.07	111	0.79	
LC0015	6.36	0.156	102	0.15	
LC0016	7	1.4	112	0.91	
LC0017	6.34	-	102	0.12	
LC0018	4.78	1.43	76.6	-1.73	
LC0019	4.49	0.16	72	-2.07	
LC0020	6.27	1.25	101	0.04	
LC0021	5.71	0.6	91.5	-0.63	
LC0022	6.52	1.96	105	0.34	
LC0023	4.426	0.396	71	-2.15	
LC0025	6.98	1.04	112	0.88	
LC0026	-	-	-	-	
LC0027	7.09	0.71	114	1.01	

#### Characteristics of parameter

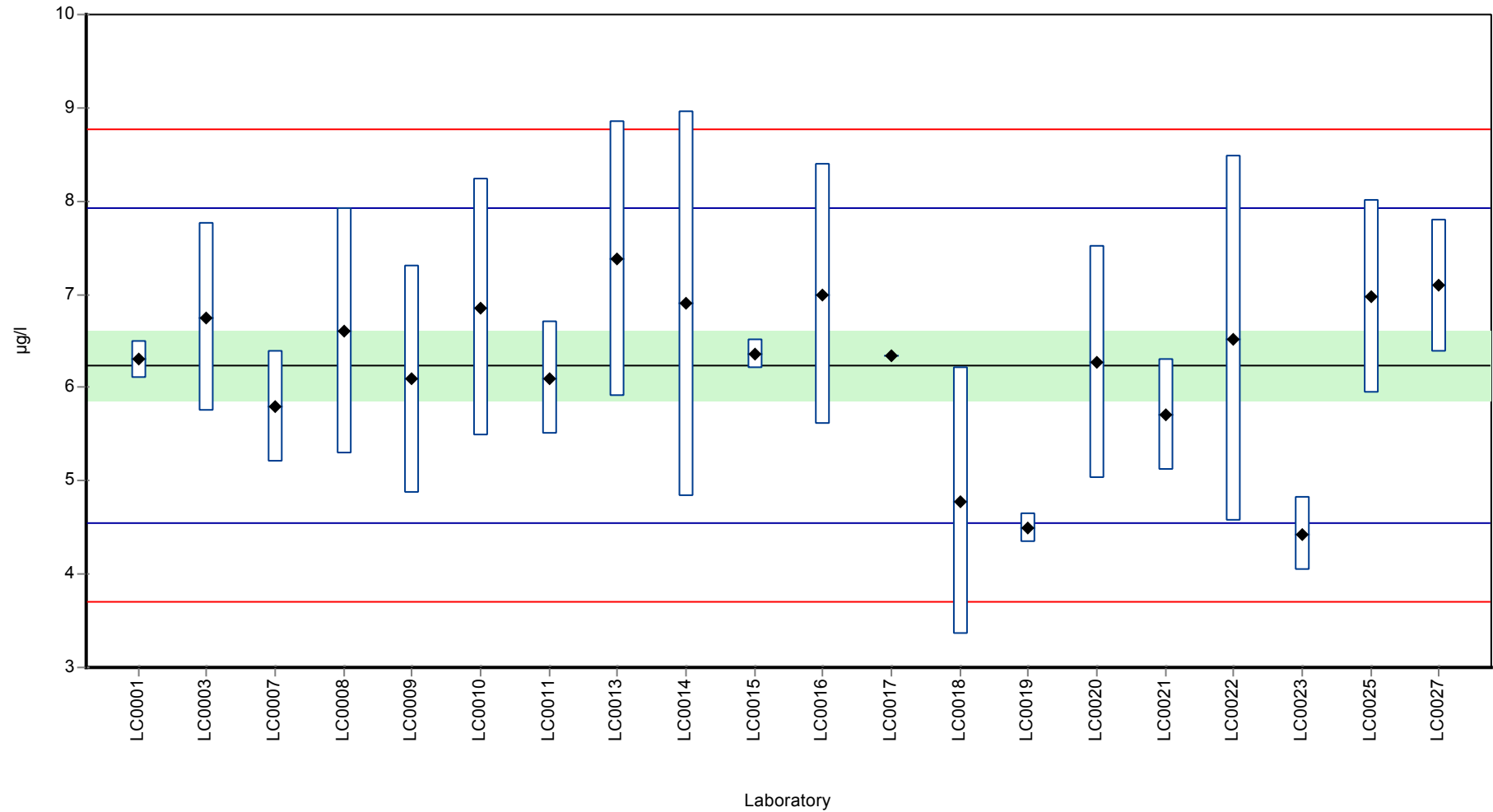
	all results	without outliers	Unit
Mean ± CI (99%)	6.24 ± 0.565	6.24 ± 0.565	µg/l
Minimum	4.43	4.43	µg/l
Maximum	7.38	7.38	µg/l
Standard deviation	0.842	0.842	µg/l
rel. Standard deviation	13.5	13.5	%
n	20	20	-

Parameter oriented report Volatile halogenated hydrocarbons (VHH) and BTEX/MTBE - CB03

Sample: CB03BVHH, Parameter: Tribromomethane

Graphical presentation of results

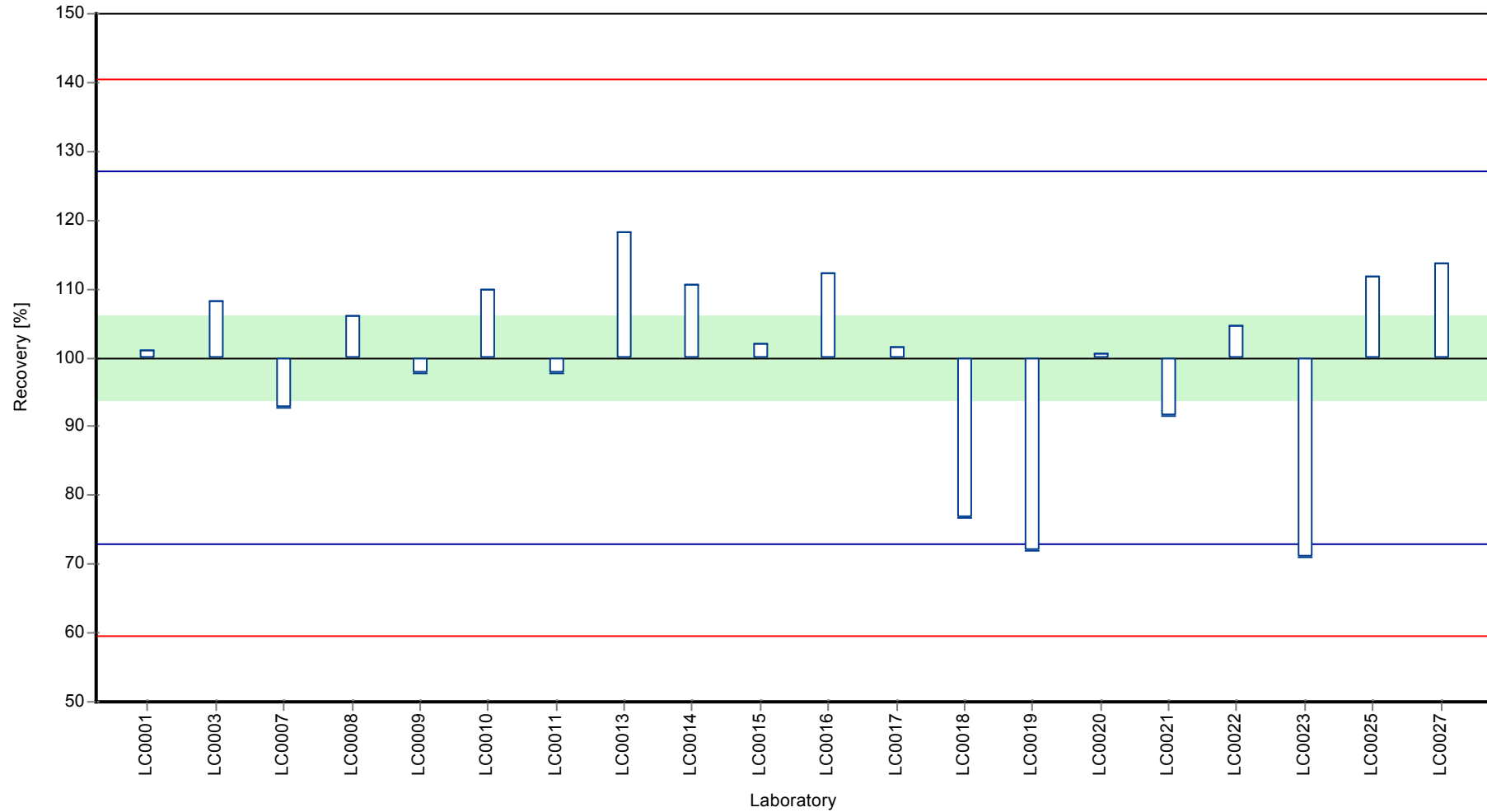
Results



Parameter oriented report Volatile halogenated hydrocarbons (VHH) and BTEX/MTBE - CB03

Sample: CB03BVHH, Parameter: Tribromomethane

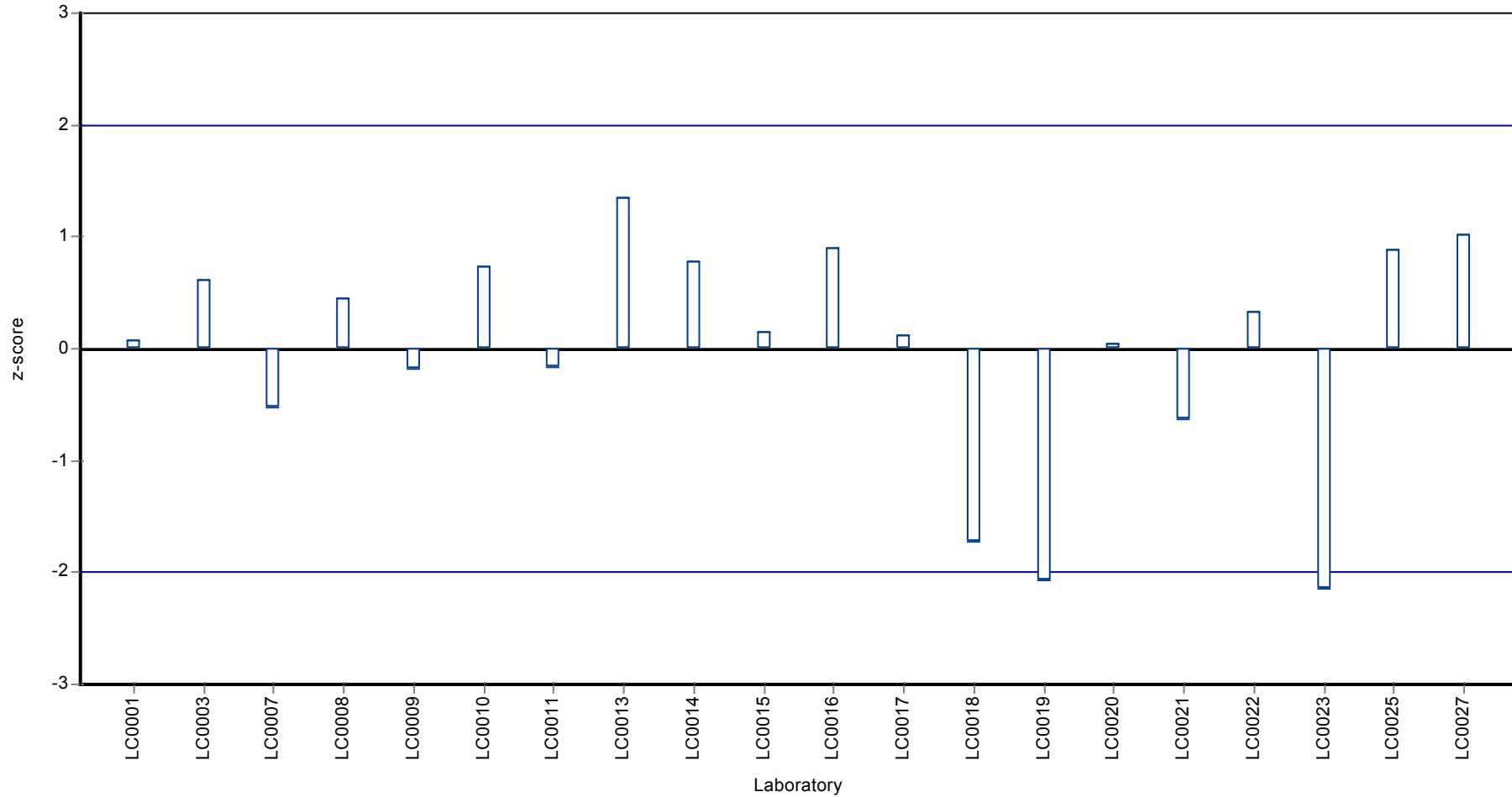
**Recovery rate**



Parameter oriented report Volatile halogenated hydrocarbons (VHH) and BTEX/MTBE - CB03

Sample: CB03BVHH, Parameter: Tribromomethane

**Z-score**



Parameter oriented report Volatile halogenated hydrocarbons (VHH) and BTEX/MTBE - CB03

Sample: CB03AVHH, Parameter: Trichloroethene

## Parameter oriented report

### CB03 A - VHH

#### Trichloroethene

Unit	µg/l
Mean ± CI (99%)	1.56 ± 0.186
Minimum - Maximum	0.763 - 2.1
Control test value ± U	1.58 ± 0.19

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	1.7	0.05	109	0.47	
LC0002	1.2	0.14	76.8	-1.24	
LC0003	1.26	0.189	80.7	-1.04	
LC0006	-	-	-	-	
LC0007	1.39	0.2	89	-0.59	
LC0008	1.39	0.28	89	-0.59	
LC0009	1.41	0.28	90.3	-0.52	
LC0010	1.825	0.364	117	0.9	
LC0011	1.35	0.14	86.4	-0.73	
LC0012	-	-	-	-	
LC0013	1.58	0.32	101	0.06	
LC0014	1.655	0.546	106	0.32	
LC0015	1.66	0.042	106	0.34	
LC0016	1.67	0.33	107	0.37	
LC0017	1.5	-	96	-0.21	
LC0018	1.73	0.52	111	0.58	
LC0019	2	0.08	128	1.5	
LC0020	1.67	0.33	107	0.37	
LC0021	1.41	0.1	90.3	-0.52	
LC0022	2.1	0.63	134	1.85	
LC0023	0.763	0.024	48.8	-2.74	
LC0025	1.87	0.28	120	1.06	
LC0026	1.5	0.3	96	-0.21	
LC0027	1.73	0.17	111	0.58	

#### Characteristics of parameter

	all results	without outliers	Unit
Mean ± CI (99%)	1.56 ± 0.186	1.56 ± 0.186	µg/l
Minimum	0.763	0.763	µg/l
Maximum	2.1	2.1	µg/l
Standard deviation	0.291	0.291	µg/l
rel. Standard deviation	18.6	18.6	%
n	22	22	-

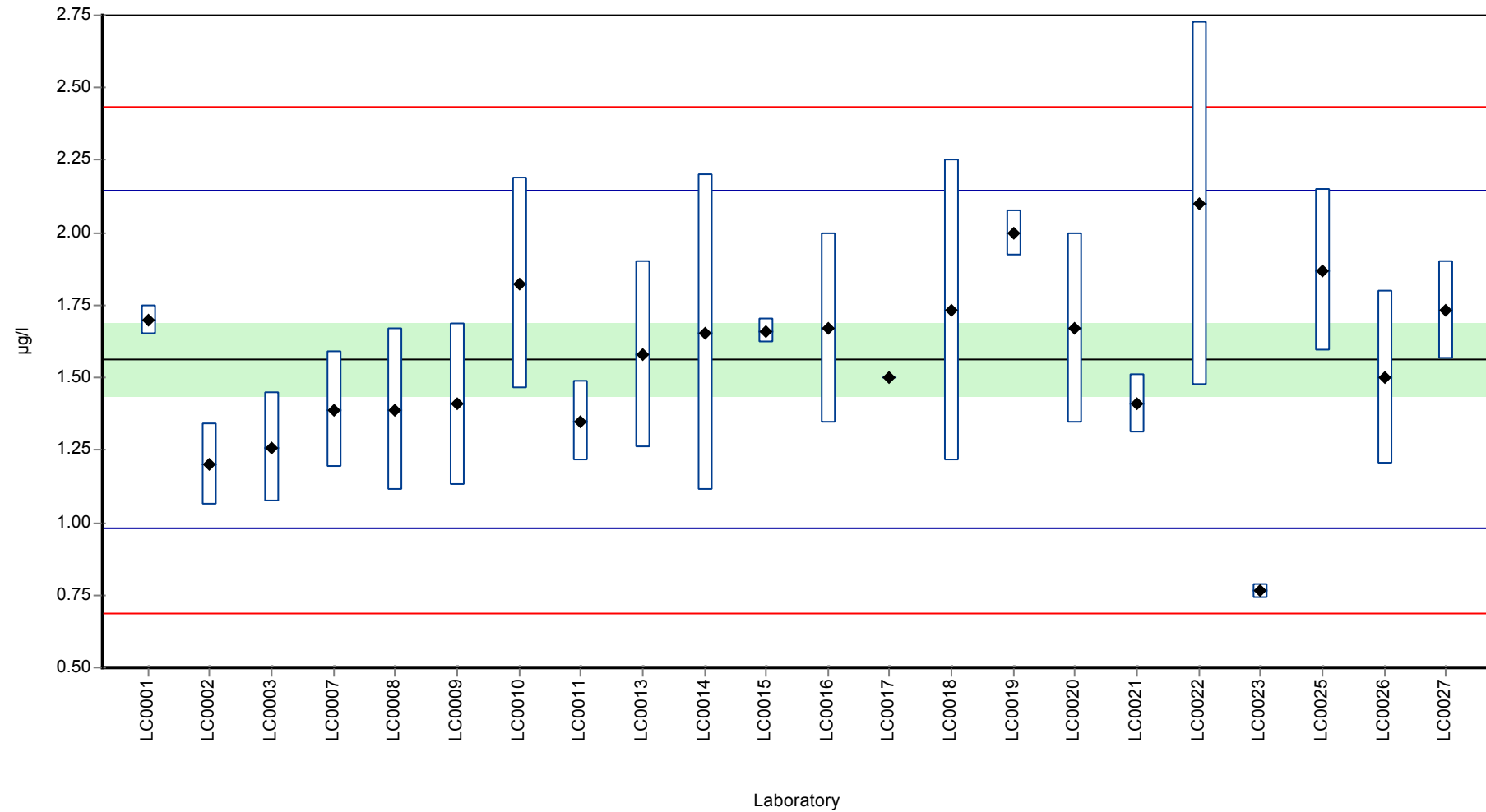


Parameter oriented report Volatile halogenated hydrocarbons (VHH) and BTEX/MTBE - CB03

Sample: CB03AVHH, Parameter: Trichloroethene

Graphical presentation of results

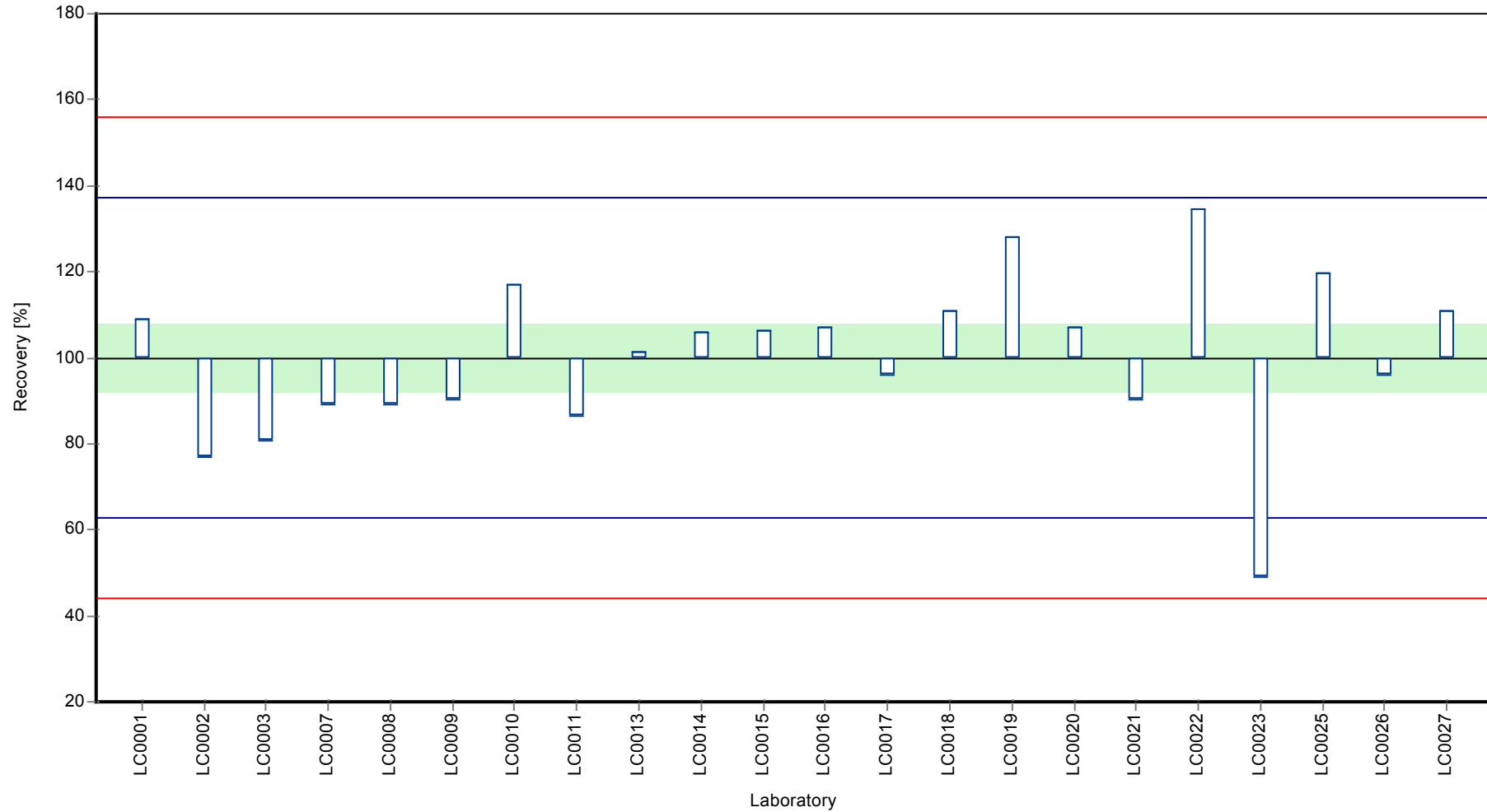
Results



Parameter oriented report Volatile halogenated hydrocarbons (VHH) and BTEX/MTBE - CB03

Sample: CB03AVHH, Parameter: Trichloroethene

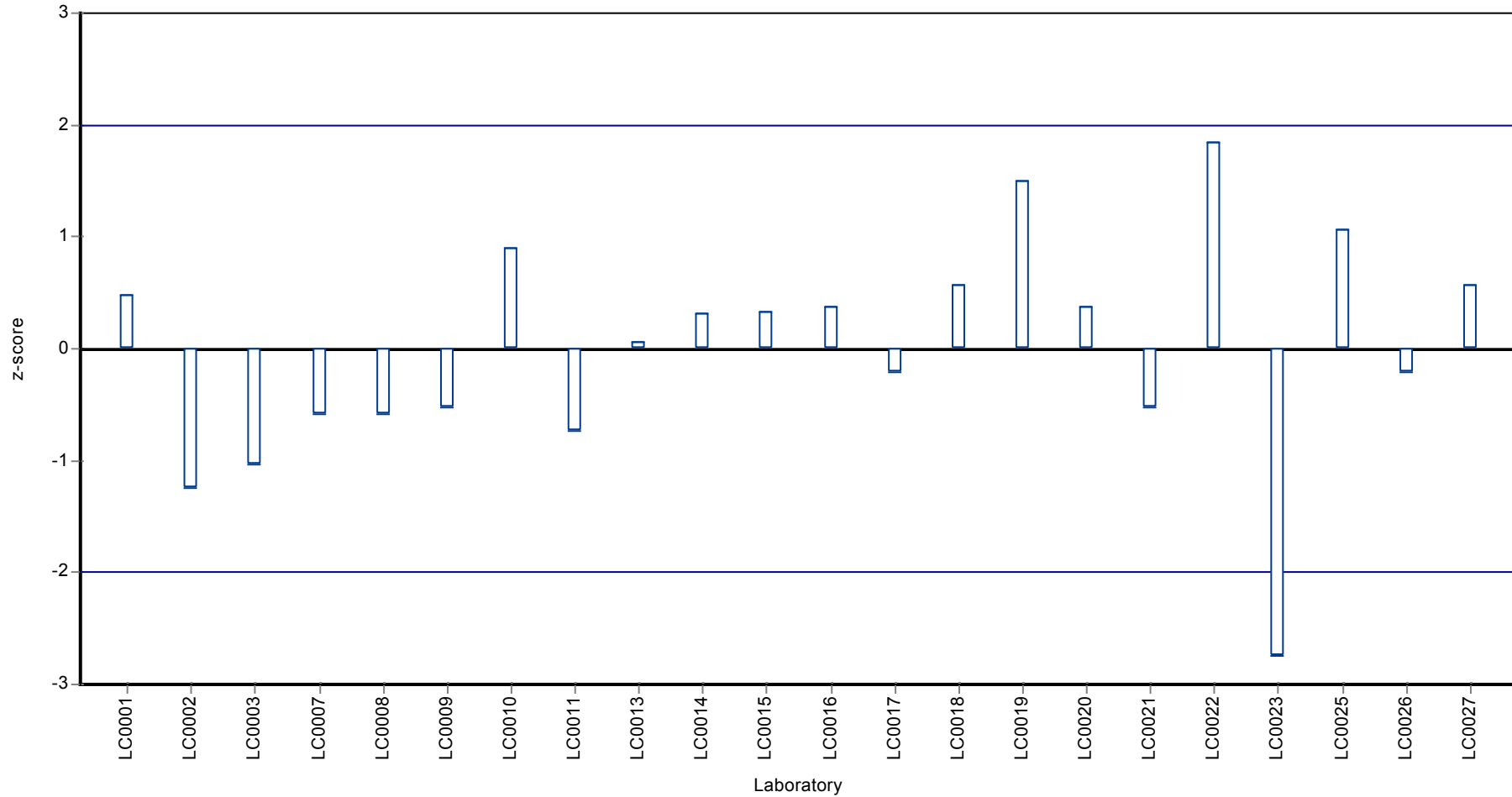
**Recovery rate**



Parameter oriented report Volatile halogenated hydrocarbons (VHH) and BTEX/MTBE - CB03

Sample: CB03AVHH, Parameter: Trichloroethene

**Z-score**



Parameter oriented report Volatile halogenated hydrocarbons (VHH) and BTEX/MTBE - CB03

Sample: CB03BVHH, Parameter: Trichloroethene

## Parameter oriented report

### CB03 B - VHH

#### Trichloroethene

Unit	µg/l
Mean ± CI (99%)	5.72 ± 0.642
Minimum - Maximum	3.57 - 7.31
Control test value ± U	6.28 ± 0.996

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	6.4	0.2	112	0.67	
LC0002	4.7	0.8	82.1	-1.02	
LC0003	5.27	0.79	92.1	-0.45	
LC0006	-	-	-	-	
LC0007	4.86	0.6	84.9	-0.86	
LC0008	5.18	1.04	90.5	-0.54	
LC0009	5.57	1.11	97.3	-0.15	
LC0010	7.214	1.443	126	1.48	
LC0011	4.89	0.49	85.4	-0.83	
LC0012	-	-	-	-	
LC0013	6.27	1.25	110	0.55	
LC0014	5.98	1.973	104	0.26	
LC0015	5.75	0.14	100	0.03	
LC0016	7.06	1.41	123	1.33	
LC0017	5.84	-	102	0.12	
LC0018	6.32	1.9	110	0.59	
LC0019	3.82	0.39	66.7	-1.89	
LC0020	6.04	1.21	106	0.32	
LC0021	5.29	0.5	92.4	-0.43	
LC0022	6.19	1.86	108	0.47	
LC0023	3.569	0.588	62.4	-2.14	
LC0025	6.98	1.05	122	1.25	
LC0026	5.4	1.1	94.4	-0.32	
LC0027	7.31	0.73	128	1.58	

#### Characteristics of parameter

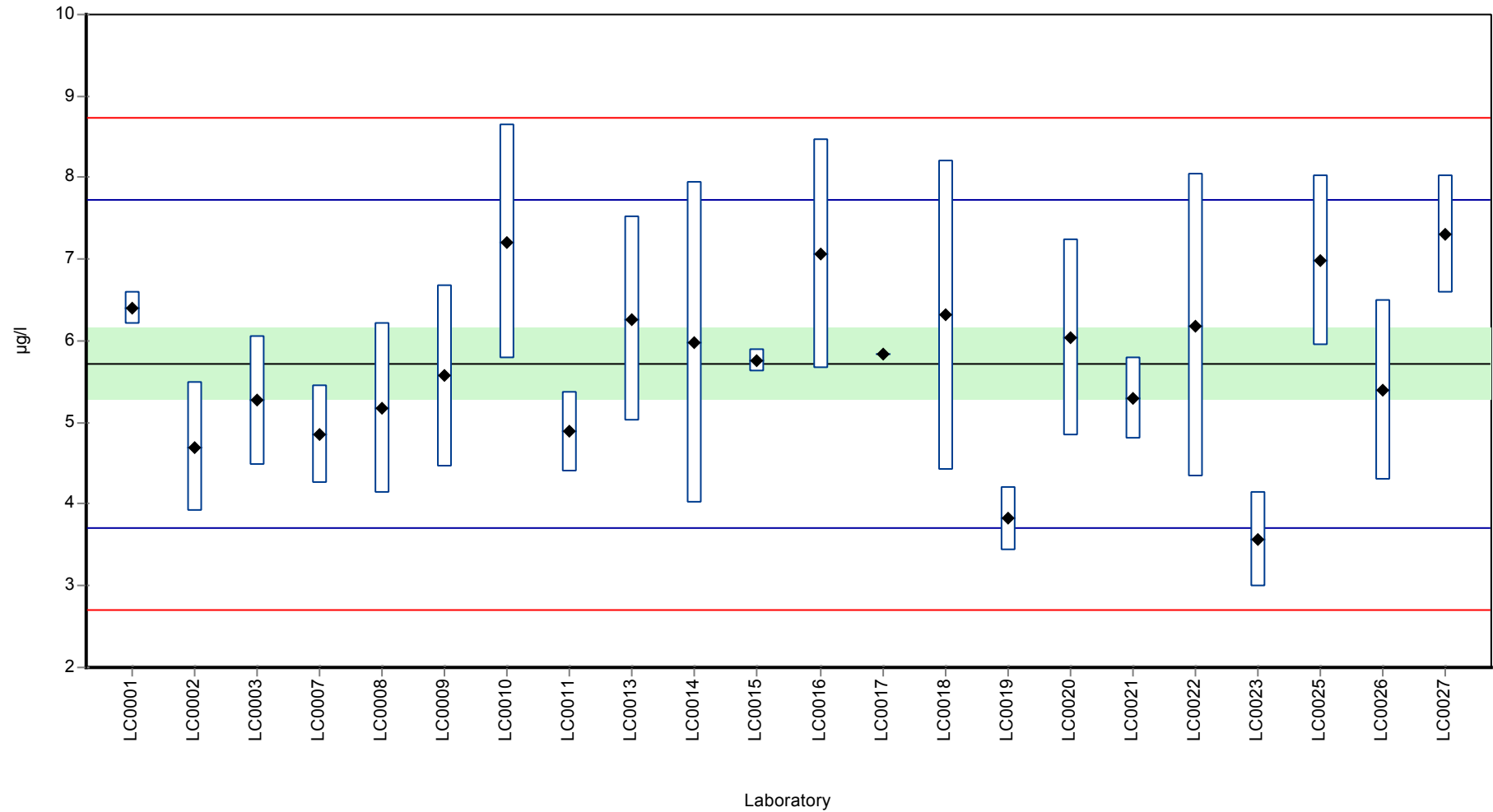
	all results	without outliers	Unit
Mean ± CI (99%)	5.72 ± 0.642	5.72 ± 0.642	µg/l
Minimum	3.57	3.57	µg/l
Maximum	7.31	7.31	µg/l
Standard deviation	1	1	µg/l
rel. Standard deviation	17.6	17.6	%
n	22	22	-

Parameter oriented report Volatile halogenated hydrocarbons (VHH) and BTEX/MTBE - CB03

Sample: CB03BVHH, Parameter: Trichloroethene

Graphical presentation of results

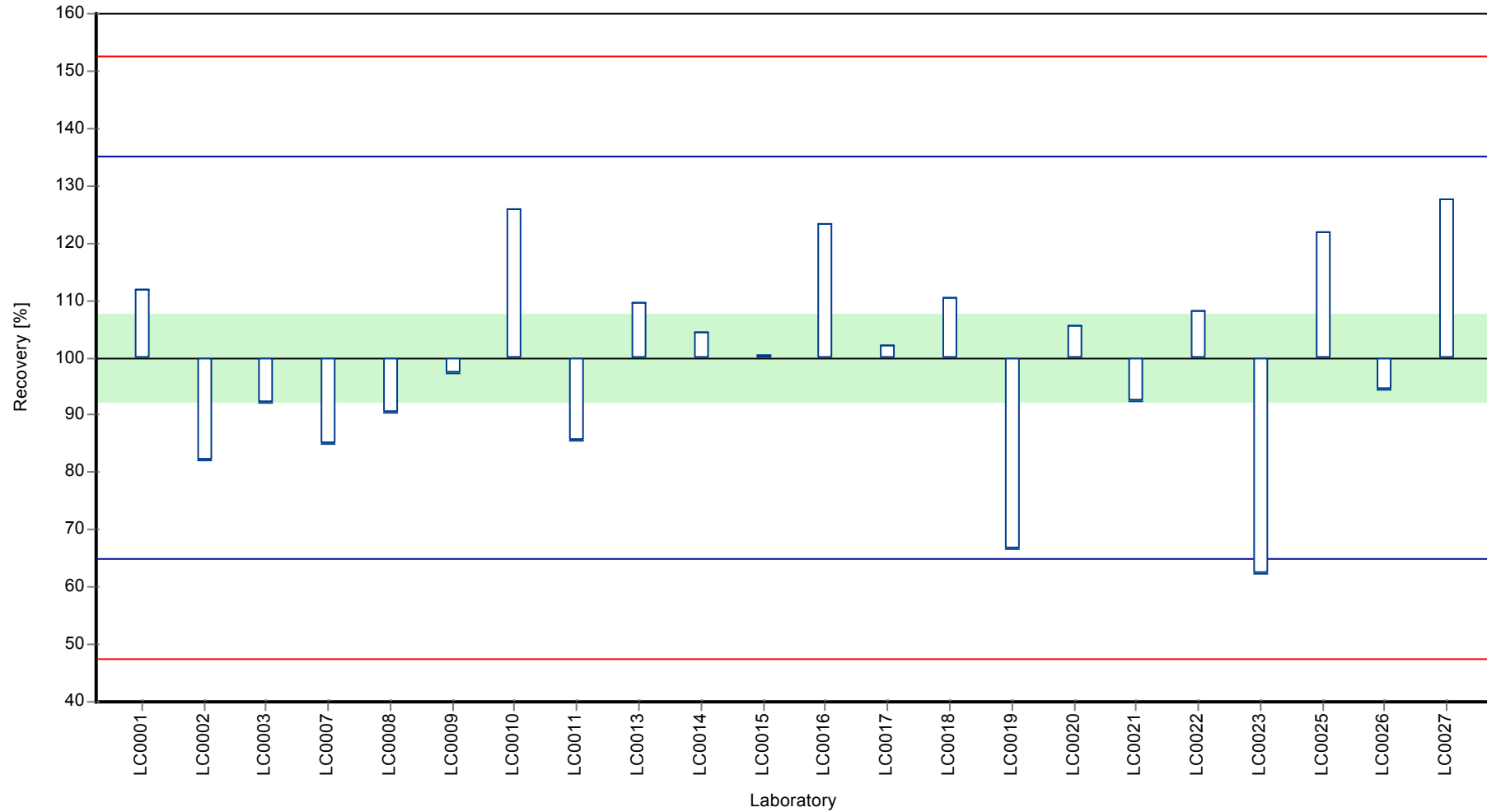
Results



Parameter oriented report Volatile halogenated hydrocarbons (VHH) and BTEX/MTBE - CB03

Sample: CB03BVHH, Parameter: Trichloroethene

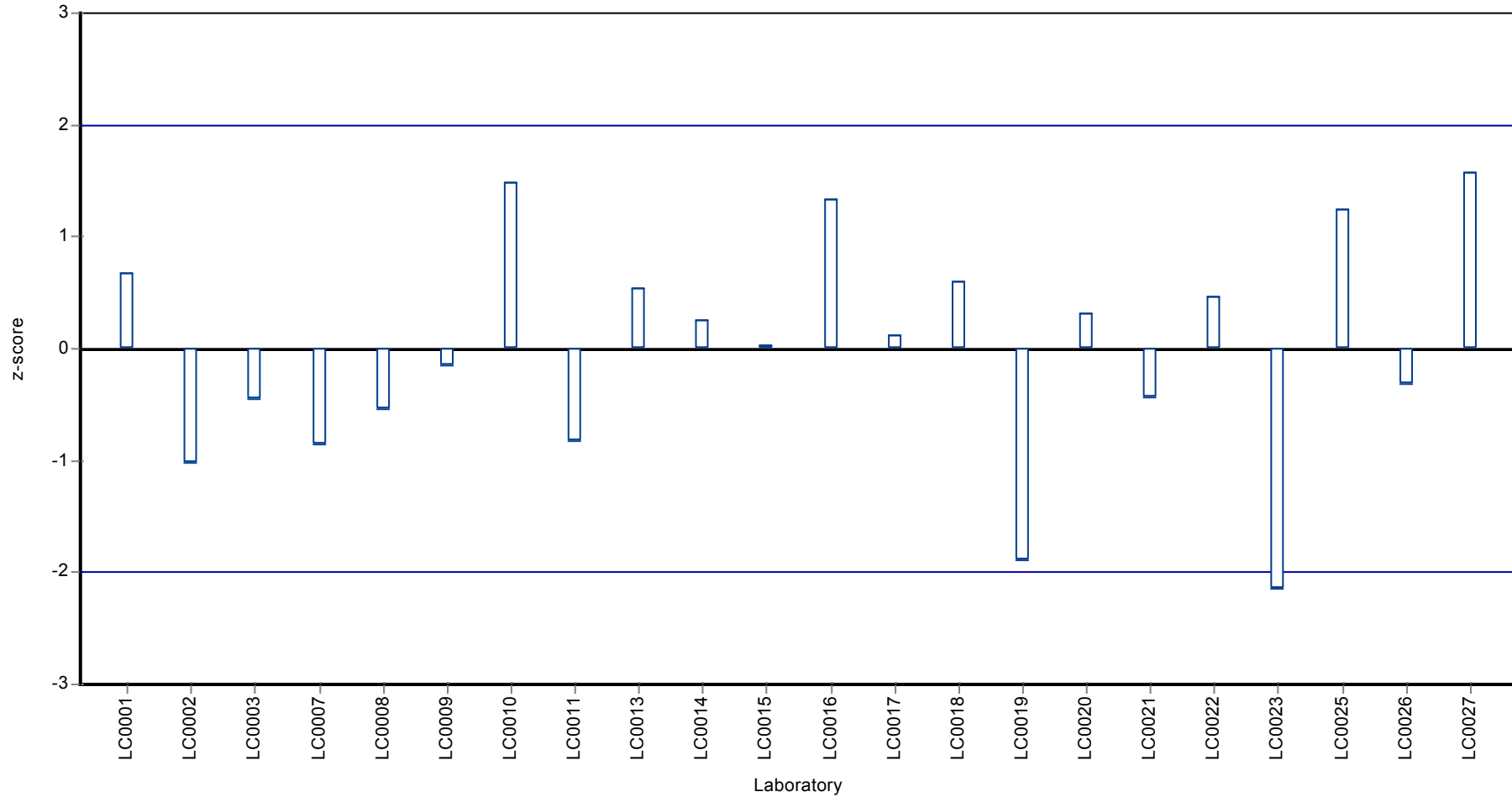
**Recovery rate**



Parameter oriented report Volatile halogenated hydrocarbons (VHH) and BTEX/MTBE - CB03

Sample: CB03BVHH, Parameter: Trichloroethene

**Z-score**



Parameter oriented report Volatile halogenated hydrocarbons (VHH) and BTEX/MTBE - CB03

Sample: CB03AVHH, Parameter: Trichloromethane

## Parameter oriented report

### CB03 A - VHH

#### Trichloromethane

Unit	µg/l
Mean ± CI (99%)	6.75 ± 0.531
Minimum - Maximum	4.79 - 8
Control test value ± U	7.49 ± 0.604

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	7.4	0.2	110	0.85	
LC0002	-	-	-	-	
LC0003	5.75	0.863	85.2	-1.29	
LC0006	-	-	-	-	
LC0007	3.21	0.4	47.6	-4.59	H
LC0008	6.47	1.29	95.9	-0.36	
LC0009	6	1.2	88.9	-0.97	
LC0010	7.451	1.49	110	0.91	
LC0011	6.37	0.64	94.4	-0.49	
LC0012	12.4	-	184	7.33	H
LC0013	7.22	1.44	107	0.61	
LC0014	6.52	1.76	96.6	-0.29	
LC0015	6.22	0.144	92.2	-0.68	
LC0016	9.59	1.92	142	3.69	H
LC0017	6.61	-	98	-0.18	
LC0018	7.02	1.2	104	0.35	
LC0019	6.88	0.19	102	0.17	
LC0020	6.35	1.27	94.1	-0.52	
LC0021	6.77	0.7	100	0.03	
LC0022	7.34	2.2	109	0.77	
LC0023	4.786	0.162	70.9	-2.54	
LC0025	7.19	1.08	107	0.57	
LC0026	8	1.6	119	1.63	
LC0027	7.85	0.79	116	1.43	

#### Characteristics of parameter

	all results	without outliers	Unit
Mean ± CI (99%)	6.97 ± 1.1	6.75 ± 0.531	µg/l
Minimum	3.21	4.79	µg/l
Maximum	12.4	8	µg/l
Standard deviation	1.72	0.771	µg/l
rel. Standard deviation	24.7	11.4	%
n	22	19	-

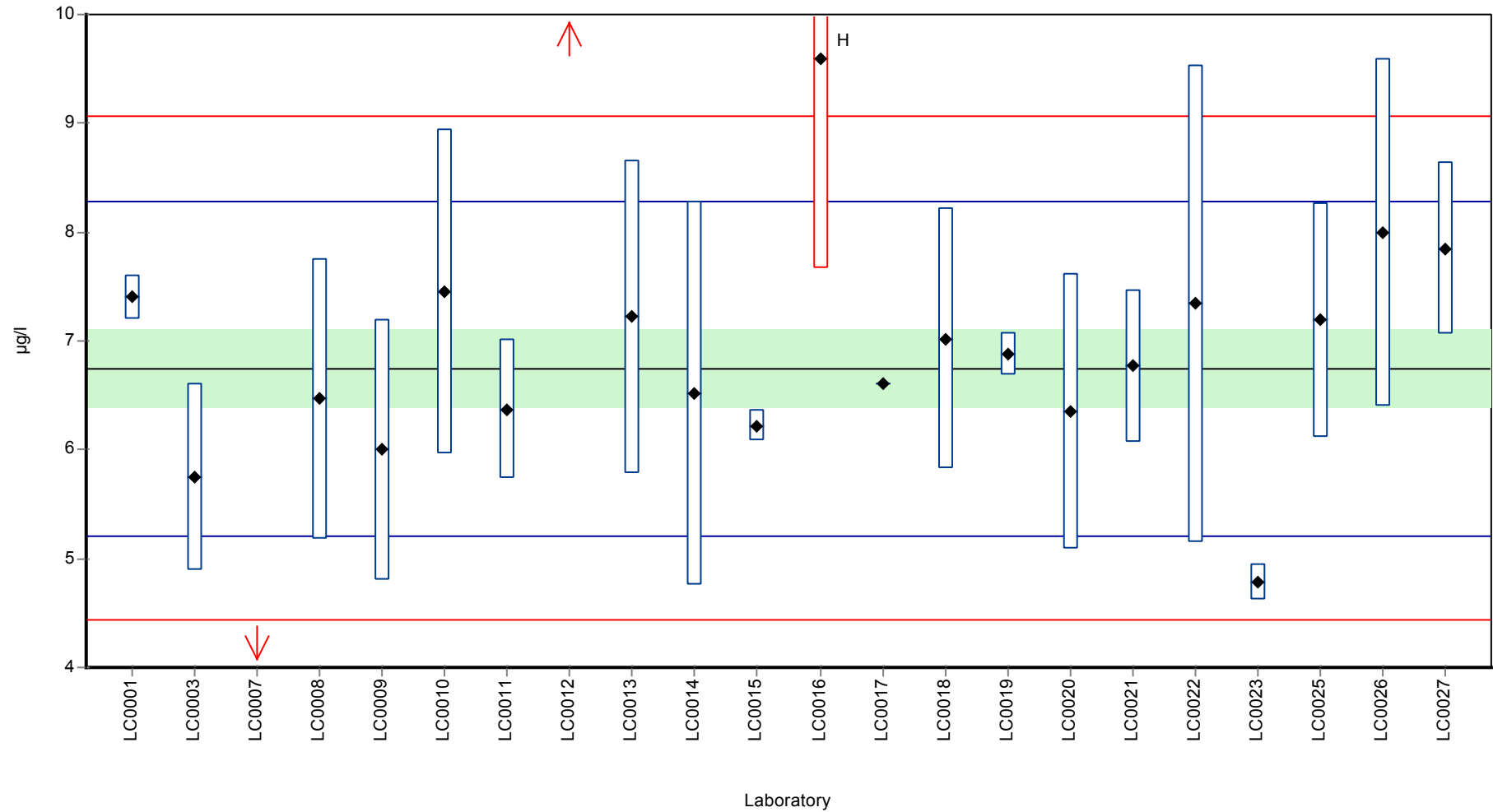


Parameter oriented report Volatile halogenated hydrocarbons (VHH) and BTEX/MTBE - CB03

Sample: CB03AVHH, Parameter: Trichloromethane

Graphical presentation of results

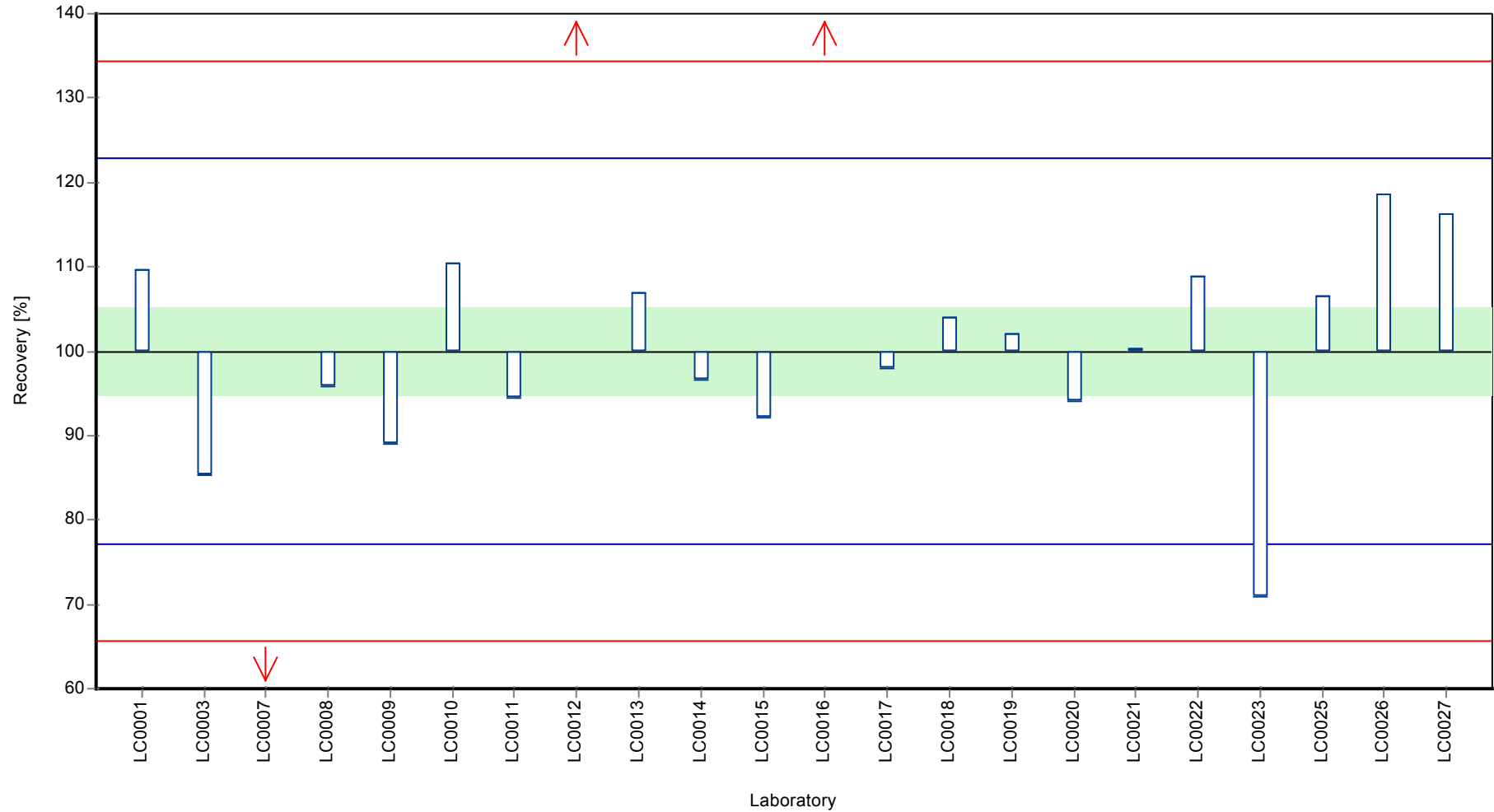
Results



Parameter oriented report Volatile halogenated hydrocarbons (VHH) and BTEX/MTBE - CB03

Sample: CB03AVHH, Parameter: Trichloromethane

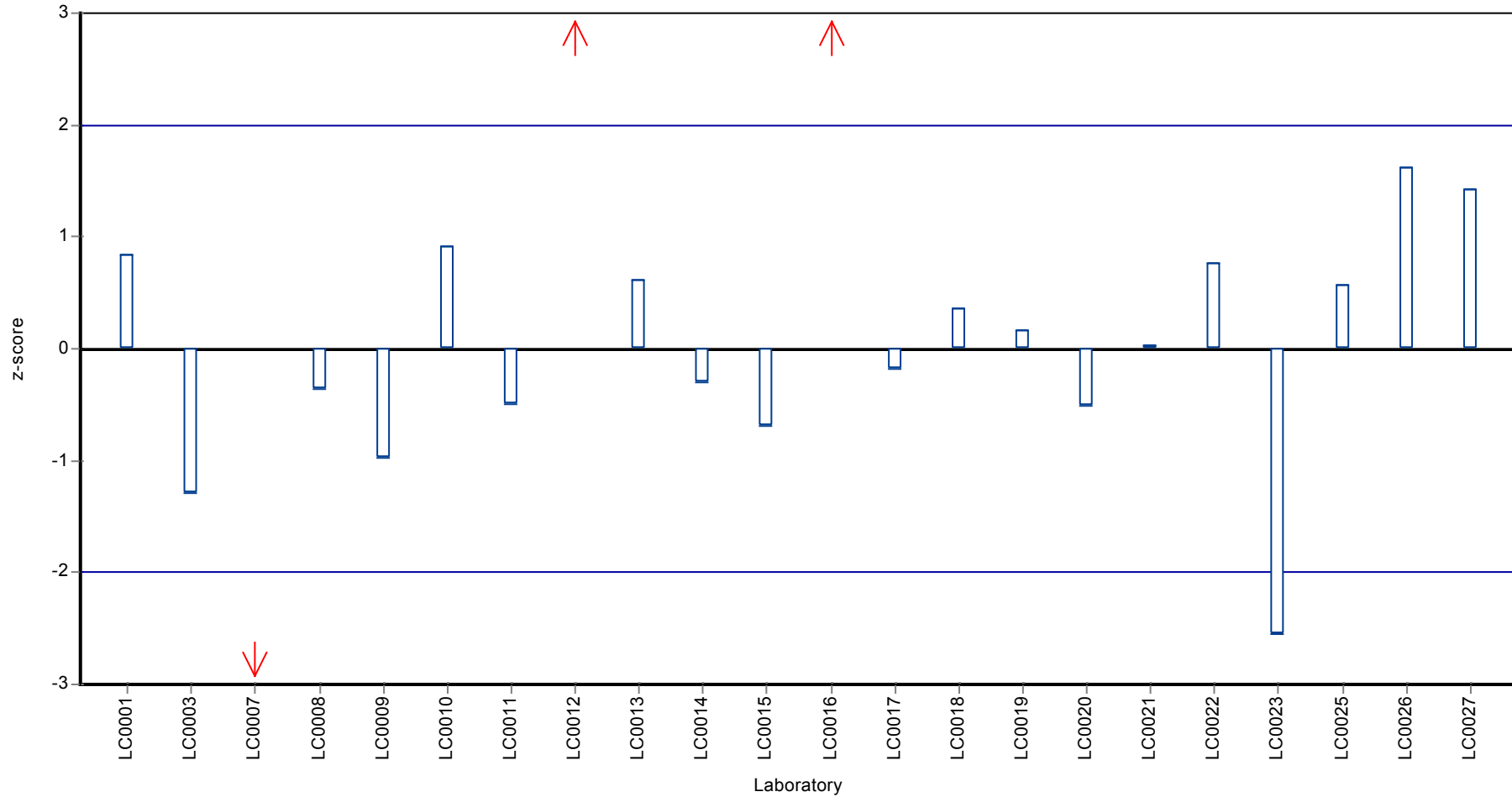
**Recovery rate**



Parameter oriented report Volatile halogenated hydrocarbons (VHH) and BTEX/MTBE - CB03

Sample: CB03AVHH, Parameter: Trichloromethane

**Z-score**



Parameter oriented report Volatile halogenated hydrocarbons (VHH) and BTEX/MTBE - CB03

Sample: CB03BVHH, Parameter: Trichloromethane

## Parameter oriented report

### CB03 B - VHH

#### Trichloromethane

Unit	µg/l
Mean ± CI (99%)	7.72 ± 0.884
Minimum - Maximum	4.62 - 9.8
Control test value ± U	9.07 ± 0.715

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	8.9	0.3	115	0.87	
LC0002	-	-	-	-	
LC0003	7.63	1.145	98.8	-0.07	
LC0006	-	-	-	-	
LC0007	6.91	0.8	89.5	-0.6	
LC0008	7.7	1.54	99.7	-0.02	
LC0009	7.21	1.44	93.3	-0.38	
LC0010	8.982	1.796	116	0.93	
LC0011	7.6	0.76	98.4	-0.09	
LC0012	4.62	-	59.8	-2.3	
LC0013	8.64	1.73	112	0.68	
LC0014	8.44	2.279	109	0.53	
LC0015	6.96	0.147	90.1	-0.57	
LC0016	11.61	2.32	150	2.88	H
LC0017	7.98	-	103	0.19	
LC0018	8.11	2.4	105	0.29	
LC0019	5.07	0.23	65.6	-1.97	
LC0020	7.46	1.49	96.6	-0.2	
LC0021	7.9	0.8	102	0.13	
LC0022	8.5	2.55	110	0.57	
LC0023	5.626	0.492	72.8	-1.55	
LC0025	8.55	1.28	111	0.61	
LC0026	9.8	2	127	1.54	
LC0027	9.62	0.96	125	1.4	

#### Characteristics of parameter

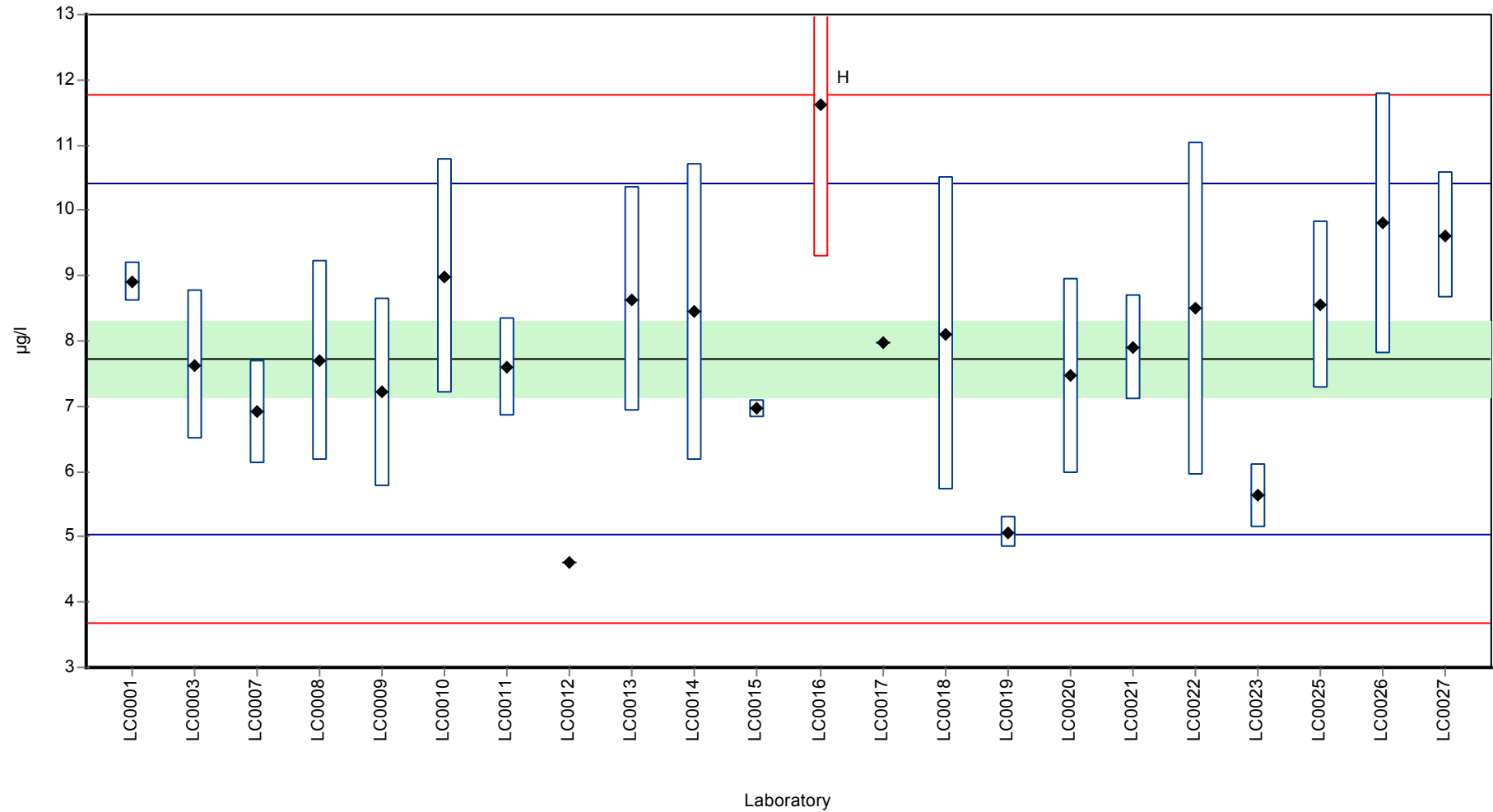
	all results	without outliers	Unit
Mean ± CI (99%)	7.9 ± 0.995	7.72 ± 0.884	µg/l
Minimum	4.62	4.62	µg/l
Maximum	11.6	9.8	µg/l
Standard deviation	1.56	1.35	µg/l
rel. Standard deviation	19.7	17.5	%
n	22	21	-

Parameter oriented report Volatile halogenated hydrocarbons (VHH) and BTEX/MTBE - CB03

Sample: CB03BVHH, Parameter: Trichloromethane

Graphical presentation of results

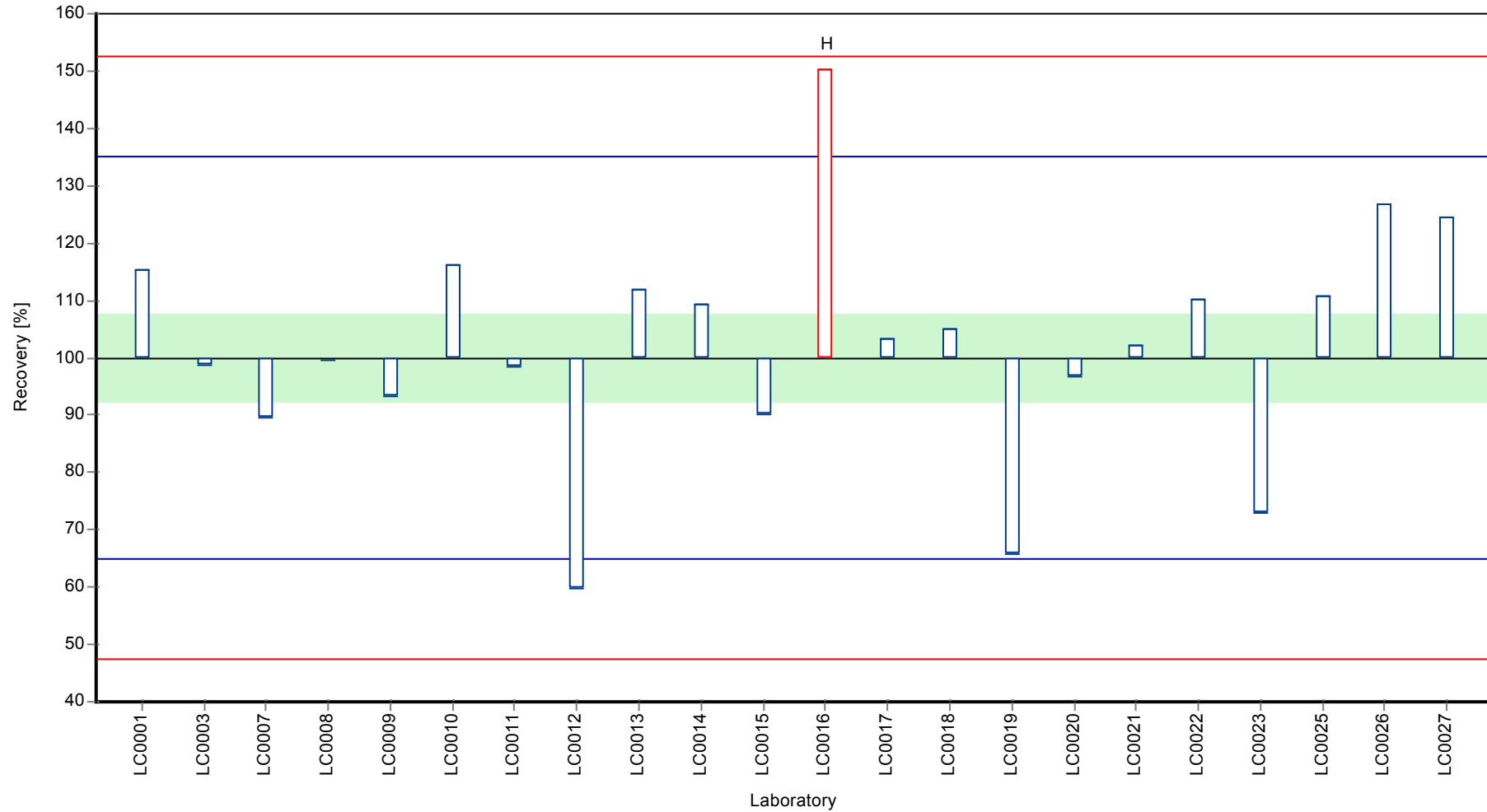
Results



Parameter oriented report Volatile halogenated hydrocarbons (VHH) and BTEX/MTBE - CB03

Sample: CB03BVHH, Parameter: Trichloromethane

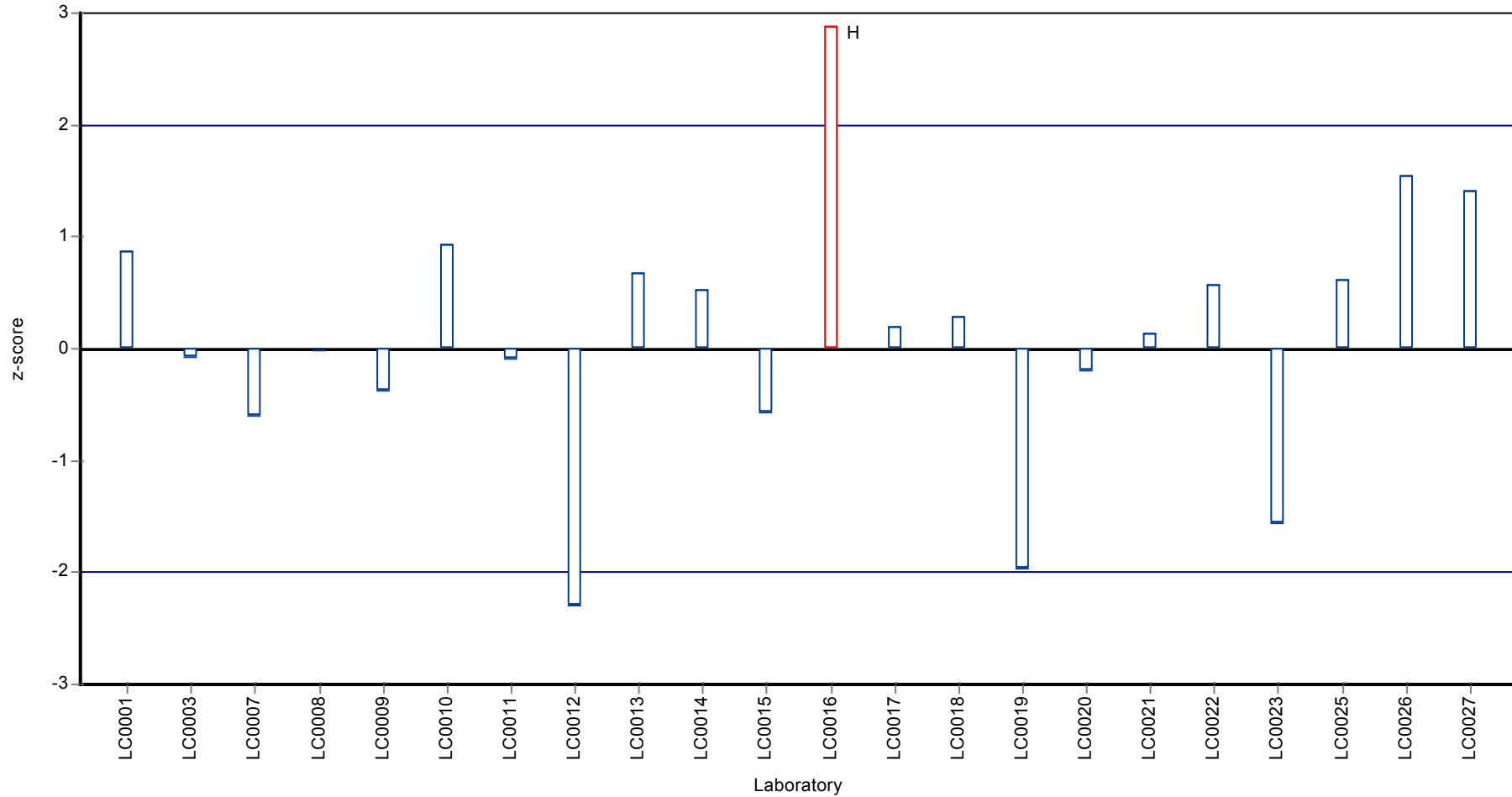
**Recovery rate**



Parameter oriented report Volatile halogenated hydrocarbons (VHH) and BTEX/MTBE - CB03

Sample: CB03BVHH, Parameter: Trichloromethane

**Z-score**



## 8 Laboratory oriented report

The laboratory oriented report is sorted by laboratory code.



The following results were achieved:

**Sample: CB03ABTX**

Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
Benzene	µg/l	0.918 ± 0.0988	1.1	0.03	0.127	120	1.43
Ethylbenzene	µg/l	- ± -	<1 (LOQ)	-	-	-	-
o-Xylene	µg/l	0.539 ± 0.0556	<1 (LOQ)	-	0.0669	-	-
Sum of m-Xylene and p-Xylene	µg/l	1.77 ± 0.272	1	0.03	0.351	56.5	-2.19
Toluene	µg/l	1.51 ± 0.242	1.2	0.04	0.323	79.7	-0.95
Methyl-tert-butyl-ether	µg/l	1.13 ± 0.197	-	-	0.186	-	-

**Sample: CB03AVHH**

Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
1,1,1-Trichloroethane	µg/l	1.28 ± 0.175	1.3	0.04	0.267	101	0.06
1,1-Dichloroethene	µg/l	1.13 ± 0.167	1.6	0.05	0.237	142	2
1,2-Dichloroethane	µg/l	3.63 ± 0.376	3.7	0.1	0.56	102	0.12
Bromodichloromethane	µg/l	- ± -	<1 (LOQ)	-	-	-	-
cis-1,2-Dichloroethene	µg/l	- ± -	<1 (LOQ)	-	-	-	-
Dibromochloromethane	µg/l	1.86 ± 0.205	1.8	0.05	0.306	96.9	-0.19
Dichloromethane	µg/l	2.85 ± 0.381	4	0.1	0.553	141	2.09
Tetrachloroethene	µg/l	7.59 ± 0.775	8.2	0.2	1.24	108	0.49
Tetrachloromethane	µg/l	0.628 ± 0.0852	<1 (LOQ)	-	0.12	-	-
trans-1,2-Dichloroethene	µg/l	0.499 ± 0.0904	<1 (LOQ)	-	0.131	-	-
Tribromomethane	µg/l	3.6 ± 0.291	3.4	0.1	0.411	94.5	-0.48
Trichloroethene	µg/l	1.56 ± 0.186	1.7	0.05	0.291	109	0.47
Trichloromethane	µg/l	6.75 ± 0.531	7.4	0.2	0.771	110	0.85

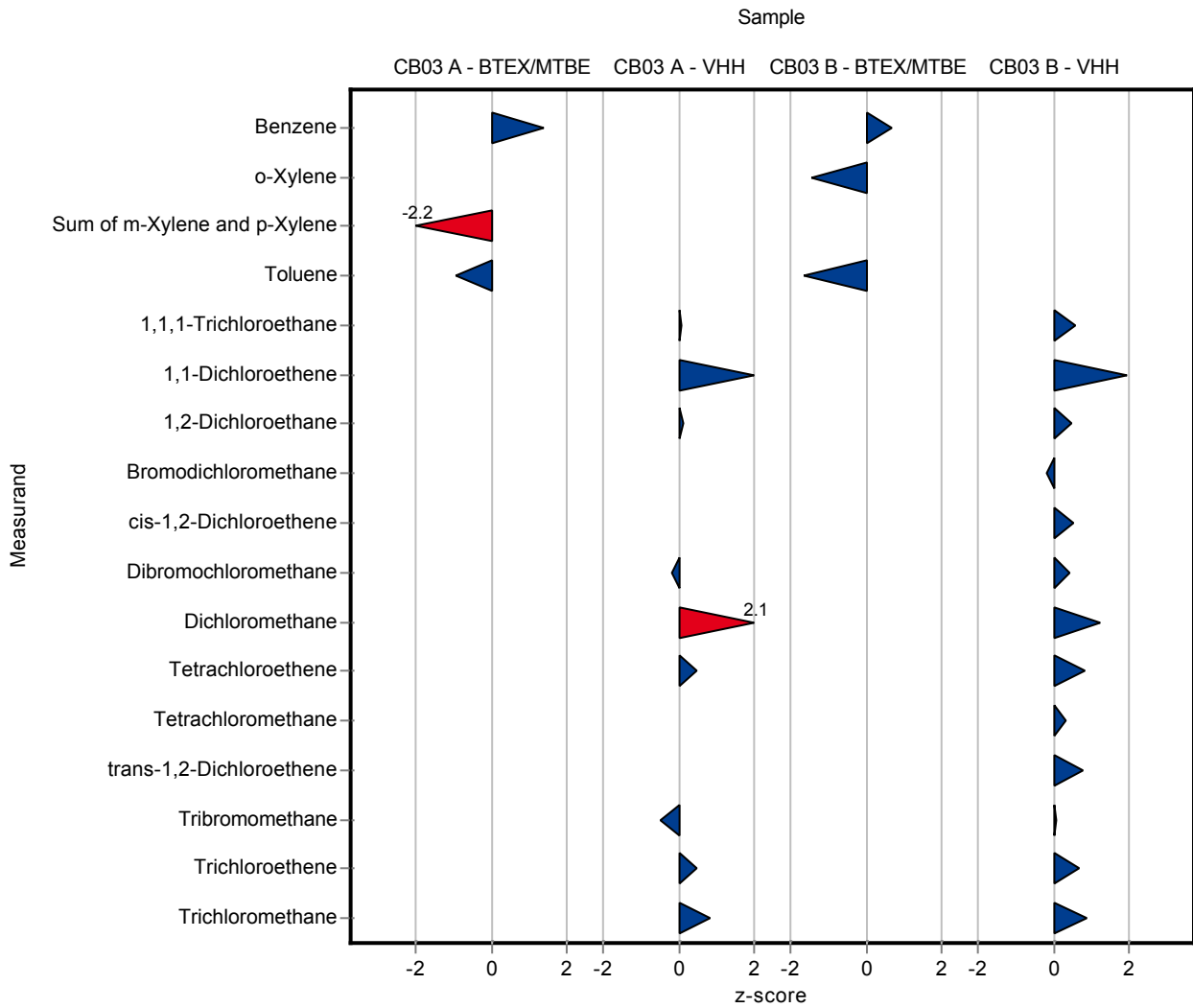
**Sample: CB03BBTX**

Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
Benzene	µg/l	5.61 ± 0.454	6	0.2	0.566	107	0.69
Ethylbenzene	µg/l	0.665 ± 0.164	<1 (LOQ)	-	0.205	-	-
o-Xylene	µg/l	3.47 ± 0.895	1.7	0.05	1.23	49	-1.44
Sum of m-Xylene and p-Xylene	µg/l	4.1 ± 0.219	<1 (LOQ)	-	0.219	-	-
Toluene	µg/l	5.59 ± 1.89	1.4	0.05	2.52	25	-1.66
Methyl-tert-butyl-ether	µg/l	3.6 ± 0.614	-	-	0.614	-	-

**Sample: CB03BVHH**

Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
1,1,1-Trichloroethane	µg/l	4.83 ± 0.642	5.4	0.2	0.981	112	0.58

Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
1,1-Dichloroethene	µg/l	3.19 ± 0.526	4.7	0.1	0.765	148	1.98
1,2-Dichloroethane	µg/l	4.53 ± 0.5	4.9	0.1	0.763	108	0.48
Bromodichloromethane	µg/l	3.64 ± 0.155	3.6	0.1	0.207	99	-0.18
cis-1,2-Dichloroethene	µg/l	2.28 ± 0.153	2.4	0.07	0.216	105	0.56
Dibromochloromethane	µg/l	7.77 ± 0.699	8.2	0.2	1.01	105	0.42
Dichloromethane	µg/l	5.09 ± 0.563	6.1	0.2	0.818	120	1.23
Tetrachloroethene	µg/l	1.3 ± 0.151	1.5	0.05	0.236	116	0.86
Tetrachloromethane	µg/l	2.61 ± 0.367	2.8	0.08	0.56	107	0.33
trans-1,2-Dichloroethene	µg/l	5.45 ± 0.909	6.5	0.2	1.36	119	0.78
Tribromomethane	µg/l	6.24 ± 0.565	6.3	0.2	0.842	101	0.07
Trichloroethene	µg/l	5.72 ± 0.642	6.4	0.2	1	112	0.67
Trichloromethane	µg/l	7.72 ± 0.884	8.9	0.3	1.35	115	0.87



The following results were achieved:

**Sample: CB03ABTX**

Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
Benzene	µg/l	0.918 ± 0.0988	1.5	0.18	0.127	163	4.57
Ethylbenzene	µg/l	- ± -	<0.1 (LOQ)	-	-	-	-
o-Xylene	µg/l	0.539 ± 0.0556	0.45	0.081	0.0669	83.6	-1.32
Sum of m-Xylene and p-Xylene	µg/l	1.77 ± 0.272	1.2	0.18	0.351	67.8	-1.63
Toluene	µg/l	1.51 ± 0.242	1.2	0.23	0.323	79.7	-0.95
Methyl-tert-butyl-ether	µg/l	1.13 ± 0.197	0.4	0.11	0.186	35.5	-3.91

**Sample: CB03AVHH**

Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
1,1,1-Trichloroethane	µg/l	1.28 ± 0.175	-	-	0.267	-	-
1,1-Dichloroethene	µg/l	1.13 ± 0.167	-	-	0.237	-	-
1,2-Dichloroethane	µg/l	3.63 ± 0.376	-	-	0.56	-	-
Bromodichloromethane	µg/l	- ± -	-	-	-	-	-
cis-1,2-Dichloroethene	µg/l	- ± -	-	-	-	-	-
Dibromochloromethane	µg/l	1.86 ± 0.205	-	-	0.306	-	-
Dichloromethane	µg/l	2.85 ± 0.381	-	-	0.553	-	-
Tetrachloroethene	µg/l	7.59 ± 0.775	6.3	0.63	1.24	83	-1.04
Tetrachloromethane	µg/l	0.628 ± 0.0852	-	-	0.12	-	-
trans-1,2-Dichloroethene	µg/l	0.499 ± 0.0904	0.38	0.17	0.131	76.1	-0.91
Tribromomethane	µg/l	3.6 ± 0.291	-	-	0.411	-	-
Trichloroethene	µg/l	1.56 ± 0.186	1.2	0.14	0.291	76.8	-1.24
Trichloromethane	µg/l	6.75 ± 0.531	-	-	0.771	-	-

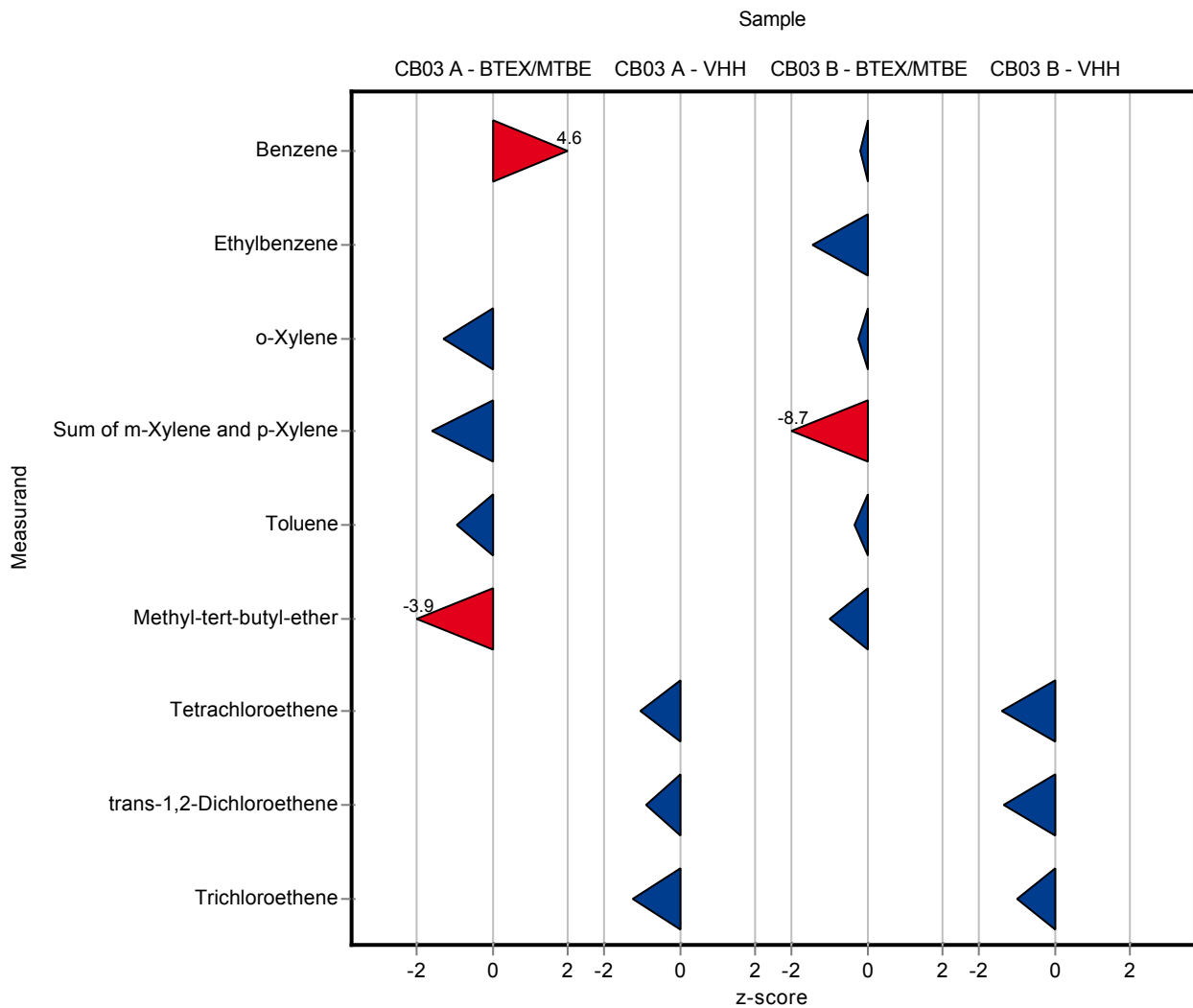
**Sample: CB03BBTX**

Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
Benzene	µg/l	5.61 ± 0.454	5.5	0.55	0.566	98	-0.2
Ethylbenzene	µg/l	0.665 ± 0.164	0.37	0.104	0.205	55.7	-1.44
o-Xylene	µg/l	3.47 ± 0.895	3.2	0.61	1.23	92.3	-0.22
Sum of m-Xylene and p-Xylene	µg/l	4.1 ± 0.219	2.2	0.79	0.219	53.6	-8.67
Toluene	µg/l	5.59 ± 1.89	4.8	1.44	2.52	85.8	-0.31
Methyl-tert-butyl-ether	µg/l	3.6 ± 0.614	3	0.9	0.614	83.4	-0.97

**Sample: CB03BVHH**

Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
1,1,1-Trichloroethane	µg/l	4.83 ± 0.642	-	-	0.981	-	-

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
1,1-Dichloroethene	µg/l	3.19	± 0.526	-	-	0.765	-	-
1,2-Dichloroethane	µg/l	4.53	± 0.5	-	-	0.763	-	-
Bromodichloromethane	µg/l	3.64	± 0.155	-	-	0.207	-	-
cis-1,2-Dichloroethene	µg/l	2.28	± 0.153	-	-	0.216	-	-
Dibromochloromethane	µg/l	7.77	± 0.699	-	-	1.01	-	-
Dichloromethane	µg/l	5.09	± 0.563	-	-	0.818	-	-
Tetrachloroethene	µg/l	1.3	± 0.151	0.96	0.12	0.236	74.1	-1.42
Tetrachloromethane	µg/l	2.61	± 0.367	-	-	0.56	-	-
trans-1,2-Dichloroethene	µg/l	5.45	± 0.909	3.6	0.94	1.36	66.1	-1.37
Tribromomethane	µg/l	6.24	± 0.565	-	-	0.842	-	-
Trichloroethene	µg/l	5.72	± 0.642	4.7	0.8	1	82.1	-1.02
Trichloromethane	µg/l	7.72	± 0.884	-	-	1.35	-	-



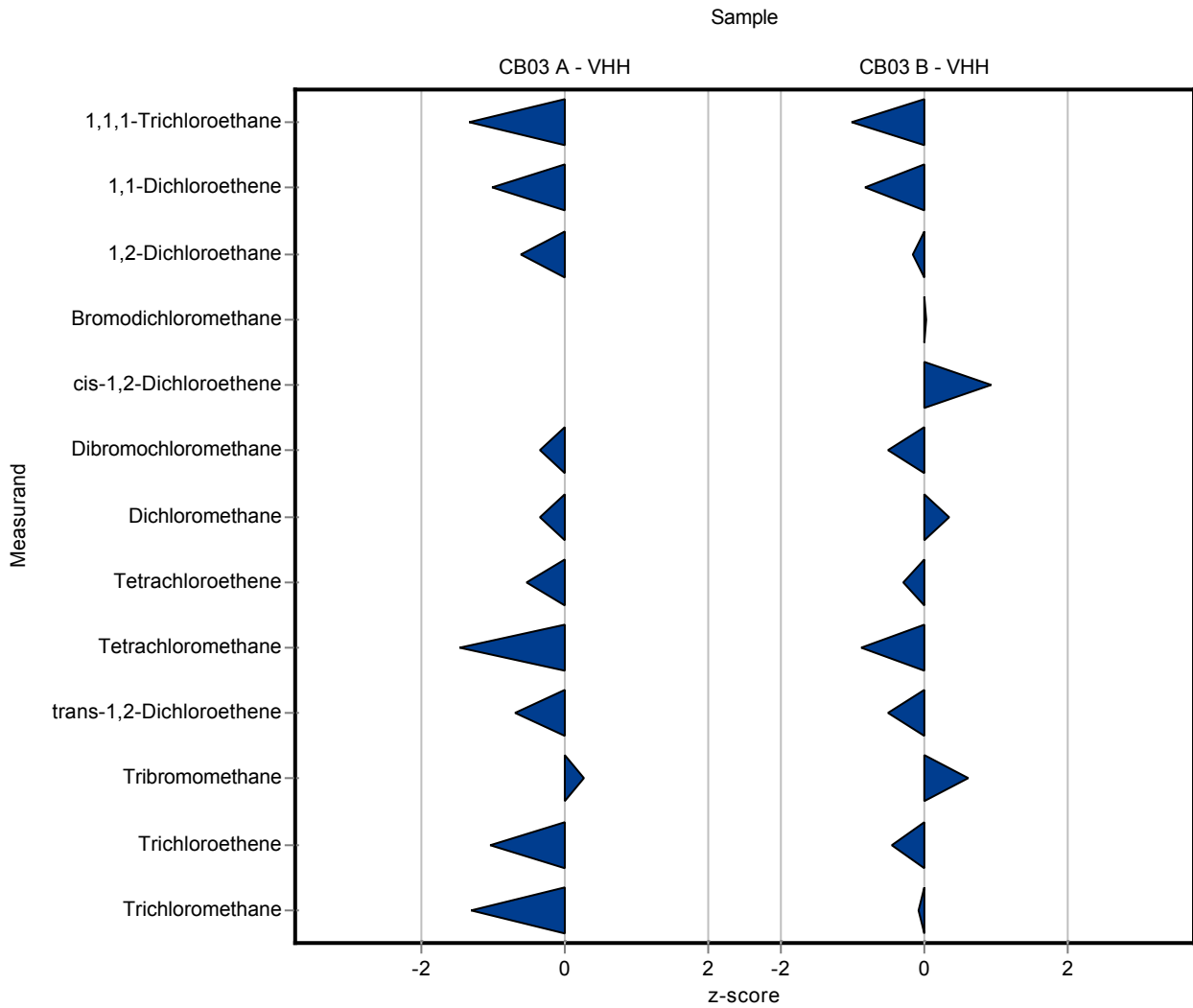
The following results were achieved:

Sample: CB03AVHH

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
1,1,1-Trichloroethane	µg/l	1.28	± 0.175	0.93	0.14	0.267	72.4	-1.33
1,1-Dichloroethene	µg/l	1.13	± 0.167	0.89	0.134	0.237	78.9	-1
1,2-Dichloroethane	µg/l	3.63	± 0.376	3.29	0.493	0.56	90.6	-0.61
Bromodichloromethane	µg/l	-	± -	<0.1 (LOQ)	-	-	-	-
cis-1,2-Dichloroethene	µg/l	-	± -	<0.4 (LOQ)	-	-	-	-
Dibromochloromethane	µg/l	1.86	± 0.205	1.75	0.263	0.306	94.2	-0.35
Dichloromethane	µg/l	2.85	± 0.381	2.65	0.398	0.553	93.1	-0.35
Tetrachloroethene	µg/l	7.59	± 0.775	6.92	1.038	1.24	91.2	-0.54
Tetrachloromethane	µg/l	0.628	± 0.0852	0.45	0.068	0.12	71.7	-1.47
trans-1,2-Dichloroethene	µg/l	0.499	± 0.0904	0.41	0.062	0.131	82.1	-0.68
Tribromomethane	µg/l	3.6	± 0.291	3.71	0.557	0.411	103	0.27
Trichloroethene	µg/l	1.56	± 0.186	1.26	0.189	0.291	80.7	-1.04
Trichloromethane	µg/l	6.75	± 0.531	5.75	0.863	0.771	85.2	-1.29

Sample: CB03BVHH

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
1,1,1-Trichloroethane	µg/l	4.83	± 0.642	3.83	0.574	0.981	79.3	-1.02
1,1-Dichloroethene	µg/l	3.19	± 0.526	2.56	0.384	0.765	80.3	-0.82
1,2-Dichloroethane	µg/l	4.53	± 0.5	4.41	0.662	0.763	97.3	-0.16
Bromodichloromethane	µg/l	3.64	± 0.155	3.64	0.546	0.207	100	0.01
cis-1,2-Dichloroethene	µg/l	2.28	± 0.153	2.48	0.372	0.216	109	0.93
Dibromochloromethane	µg/l	7.77	± 0.699	7.27	1.091	1.01	93.5	-0.5
Dichloromethane	µg/l	5.09	± 0.563	5.37	0.806	0.818	105	0.34
Tetrachloroethene	µg/l	1.3	± 0.151	1.23	0.185	0.236	94.9	-0.28
Tetrachloromethane	µg/l	2.61	± 0.367	2.12	0.319	0.56	81.1	-0.88
trans-1,2-Dichloroethene	µg/l	5.45	± 0.909	4.78	0.717	1.36	87.7	-0.49
Tribromomethane	µg/l	6.24	± 0.565	6.75	1.013	0.842	108	0.61
Trichloroethene	µg/l	5.72	± 0.642	5.27	0.79	1	92.1	-0.45
Trichloromethane	µg/l	7.72	± 0.884	7.63	1.145	1.35	98.8	-0.07





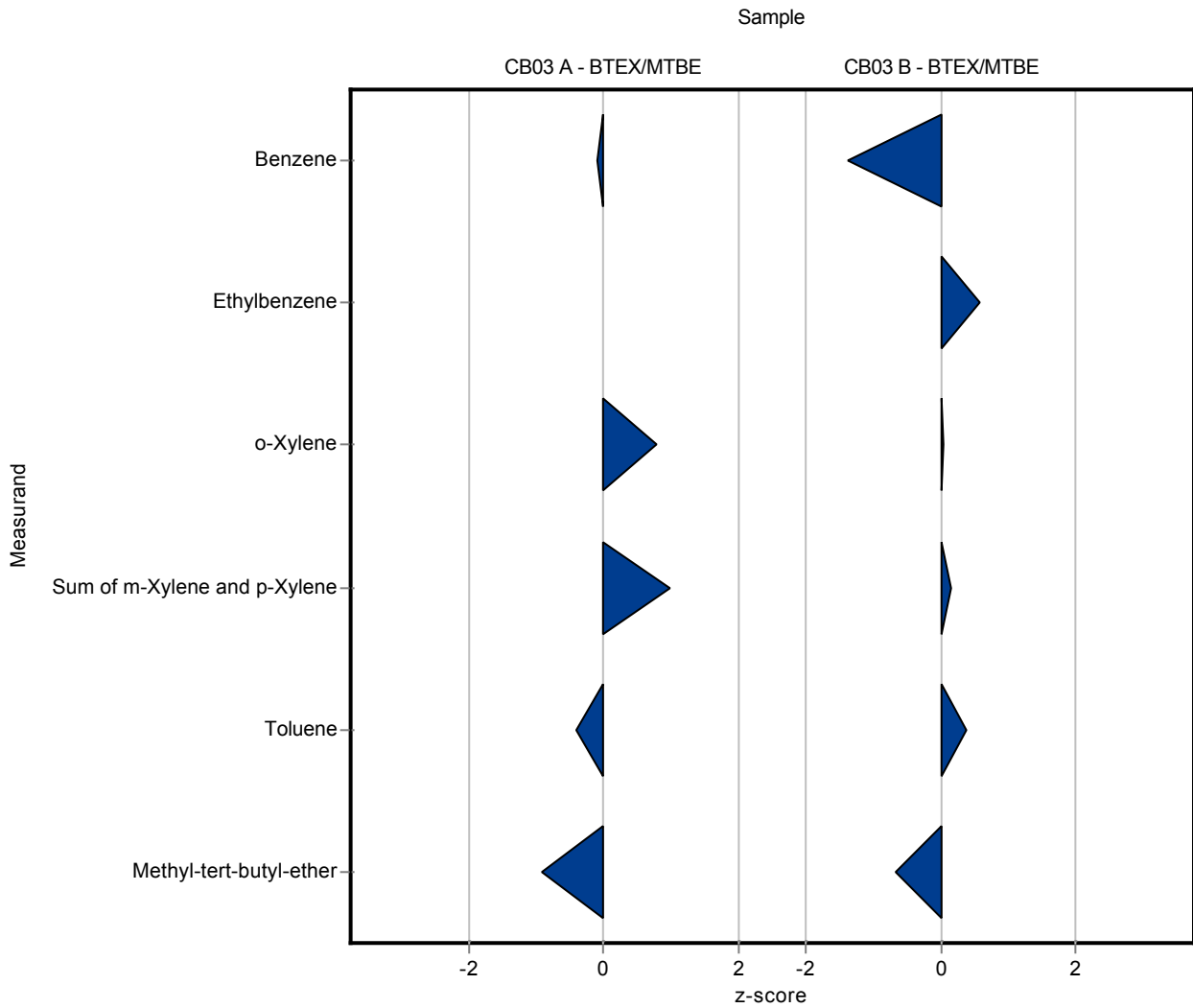
The following results were achieved:

Sample: CB03ABTX

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
Benzene	µg/l	0.918	± 0.0988	0.906	0.136	0.127	98.7	-0.09
Ethylbenzene	µg/l	-	± -	<0.157 (LOQ)	-	-	-	-
o-Xylene	µg/l	0.539	± 0.0556	0.591	0.089	0.0669	110	0.78
Sum of m-Xylene and p-Xylene	µg/l	1.77	± 0.272	2.119	0.318	0.351	120	0.99
Toluene	µg/l	1.51	± 0.242	1.375	0.206	0.323	91.3	-0.41
Methyl-tert-butyl-ether	µg/l	1.13	± 0.197	0.959	0.144	0.186	85	-0.91

Sample: CB03BBTX

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
Benzene	µg/l	5.61	± 0.454	4.822	0.723	0.566	86	-1.39
Ethylbenzene	µg/l	0.665	± 0.164	0.785	0.118	0.205	118	0.59
o-Xylene	µg/l	3.47	± 0.895	3.519	0.528	1.23	101	0.04
Sum of m-Xylene and p-Xylene	µg/l	4.1	± 0.219	4.136	0.62	0.219	101	0.16
Toluene	µg/l	5.59	± 1.89	6.528	0.979	2.52	117	0.37
Methyl-tert-butyl-ether	µg/l	3.6	± 0.614	3.184	0.478	0.614	88.5	-0.67



Laboratory oriented report Volatile halogenated hydrocarbons (VHH) and BTEX/MTBE - CB03

Laboratory: LC0005

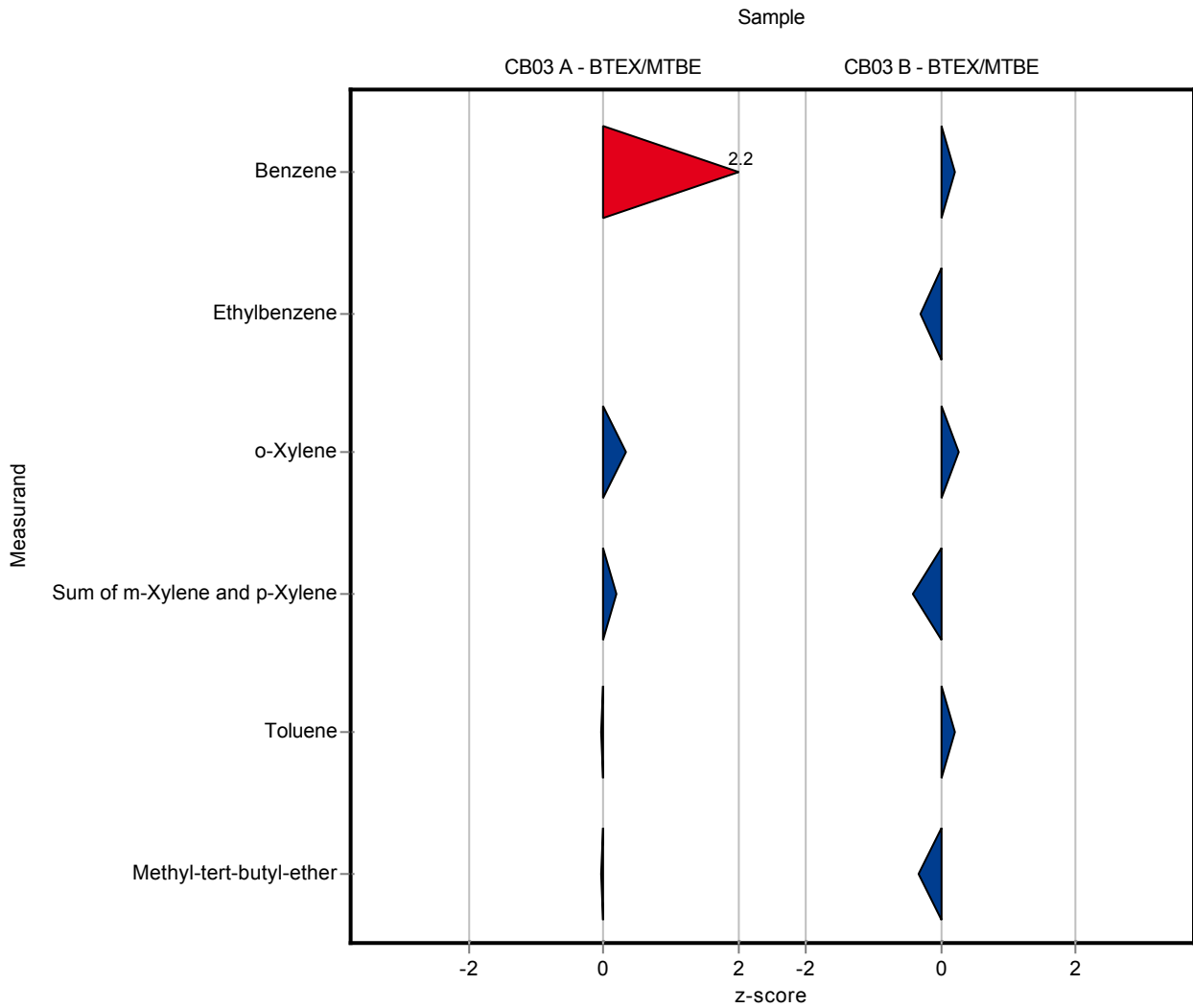
The following results were achieved:

Sample: CB03ABTX

Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
Benzene	µg/l	0.918 ± 0.0988	1.2	0.15	0.127	131	2.21
Ethylbenzene	µg/l	- ± -	<0.25 (LOQ)	-	-	-	-
o-Xylene	µg/l	0.539 ± 0.0556	0.56	0.07	0.0669	104	0.32
Sum of m-Xylene and p-Xylene	µg/l	1.77 ± 0.272	1.84	0.22	0.351	104	0.2
Toluene	µg/l	1.51 ± 0.242	1.49	0.18	0.323	99	-0.05
Methyl-tert-butyl-ether	µg/l	1.13 ± 0.197	1.12	0.2	0.186	99.3	-0.04

Sample: CB03BBTX

Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
Benzene	µg/l	5.61 ± 0.454	5.73	0.76	0.566	102	0.21
Ethylbenzene	µg/l	0.665 ± 0.164	0.6	0.075	0.205	90.3	-0.32
o-Xylene	µg/l	3.47 ± 0.895	3.79	0.55	1.23	109	0.26
Sum of m-Xylene and p-Xylene	µg/l	4.1 ± 0.219	4.01	0.6	0.219	97.8	-0.42
Toluene	µg/l	5.59 ± 1.89	6.12	0.92	2.52	109	0.21
Methyl-tert-butyl-ether	µg/l	3.6 ± 0.614	3.39	0.6	0.614	94.2	-0.34



The following results were achieved:

**Sample: CB03ABTX**

Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
Benzene	µg/l	0.918 ± 0.0988	-	-	0.127	-	-
Ethylbenzene	µg/l	- ± -	-	-	-	-	-
o-Xylene	µg/l	0.539 ± 0.0556	-	-	0.0669	-	-
Sum of m-Xylene and p-Xylene	µg/l	1.77 ± 0.272	-	-	0.351	-	-
Toluene	µg/l	1.51 ± 0.242	-	-	0.323	-	-
Methyl-tert-butyl-ether	µg/l	1.13 ± 0.197	-	-	0.186	-	-

**Sample: CB03AVHH**

Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
1,1,1-Trichloroethane	µg/l	1.28 ± 0.175	-	-	0.267	-	-
1,1-Dichloroethene	µg/l	1.13 ± 0.167	-	-	0.237	-	-
1,2-Dichloroethane	µg/l	3.63 ± 0.376	-	-	0.56	-	-
Bromodichloromethane	µg/l	- ± -	-	-	-	-	-
cis-1,2-Dichloroethene	µg/l	- ± -	-	-	-	-	-
Dibromochloromethane	µg/l	1.86 ± 0.205	-	-	0.306	-	-
Dichloromethane	µg/l	2.85 ± 0.381	-	-	0.553	-	-
Tetrachloroethene	µg/l	7.59 ± 0.775	-	-	1.24	-	-
Tetrachloromethane	µg/l	0.628 ± 0.0852	-	-	0.12	-	-
trans-1,2-Dichloroethene	µg/l	0.499 ± 0.0904	-	-	0.131	-	-
Tribromomethane	µg/l	3.6 ± 0.291	-	-	0.411	-	-
Trichloroethene	µg/l	1.56 ± 0.186	-	-	0.291	-	-
Trichloromethane	µg/l	6.75 ± 0.531	-	-	0.771	-	-

**Sample: CB03BBTX**

Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
Benzene	µg/l	5.61 ± 0.454	-	-	0.566	-	-
Ethylbenzene	µg/l	0.665 ± 0.164	-	-	0.205	-	-
o-Xylene	µg/l	3.47 ± 0.895	-	-	1.23	-	-
Sum of m-Xylene and p-Xylene	µg/l	4.1 ± 0.219	-	-	0.219	-	-
Toluene	µg/l	5.59 ± 1.89	-	-	2.52	-	-
Methyl-tert-butyl-ether	µg/l	3.6 ± 0.614	-	-	0.614	-	-

**Sample: CB03BVHH**

Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
1,1,1-Trichloroethane	µg/l	4.83 ± 0.642	-	-	0.981	-	-

Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
1,1-Dichloroethene	µg/l	3.19 ± 0.526	-	-	0.765	-	-
1,2-Dichloroethane	µg/l	4.53 ± 0.5	-	-	0.763	-	-
Bromodichloromethane	µg/l	3.64 ± 0.155	-	-	0.207	-	-
cis-1,2-Dichloroethene	µg/l	2.28 ± 0.153	-	-	0.216	-	-
Dibromochloromethane	µg/l	7.77 ± 0.699	-	-	1.01	-	-
Dichloromethane	µg/l	5.09 ± 0.563	-	-	0.818	-	-
Tetrachloroethene	µg/l	1.3 ± 0.151	-	-	0.236	-	-
Tetrachloromethane	µg/l	2.61 ± 0.367	-	-	0.56	-	-
trans-1,2-Dichloroethene	µg/l	5.45 ± 0.909	-	-	1.36	-	-
Tribromomethane	µg/l	6.24 ± 0.565	-	-	0.842	-	-
Trichloroethene	µg/l	5.72 ± 0.642	-	-	1	-	-
Trichloromethane	µg/l	7.72 ± 0.884	-	-	1.35	-	-

The following results were achieved:

**Sample: CB03ABTX**

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
Benzene	µg/l	0.918	± 0.0988	0.87	0.2	0.127	94.8	-0.38
Ethylbenzene	µg/l	-	± -	<0.2 (LOQ)	-	-	-	-
o-Xylene	µg/l	0.539	± 0.0556	0.69	0.2	0.0669	128	2.26
Sum of m-Xylene and p-Xylene	µg/l	1.77	± 0.272	2.24	0.3	0.351	127	1.34
Toluene	µg/l	1.51	± 0.242	1.9	0.3	0.323	126	1.22
Methyl-tert-butyl-ether	µg/l	1.13	± 0.197	-	-	0.186	-	-

**Sample: CB03AVHH**

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
1,1,1-Trichloroethane	µg/l	1.28	± 0.175	1.08	0.2	0.267	84.1	-0.76
1,1-Dichloroethene	µg/l	1.13	± 0.167	-	-	0.237	-	-
1,2-Dichloroethane	µg/l	3.63	± 0.376	3.16	0.4	0.56	87	-0.84
Bromodichloromethane	µg/l	-	± -	<0.2 (LOQ)	-	-	-	-
cis-1,2-Dichloroethene	µg/l	-	± -	<0.2 (LOQ)	-	-	-	-
Dibromochloromethane	µg/l	1.86	± 0.205	1.73	0.2	0.306	93.2	-0.41
Dichloromethane	µg/l	2.85	± 0.381	-	-	0.553	-	-
Tetrachloroethene	µg/l	7.59	± 0.775	6.71	0.7	1.24	88.4	-0.71
Tetrachloromethane	µg/l	0.628	± 0.0852	0.52	0.1	0.12	82.9	-0.89
trans-1,2-Dichloroethene	µg/l	0.499	± 0.0904	-	-	0.131	-	-
Tribromomethane	µg/l	3.6	± 0.291	3.27	0.4	0.411	90.8	-0.8
Trichloroethene	µg/l	1.56	± 0.186	1.39	0.2	0.291	89	-0.59
Trichloromethane	µg/l	6.75	± 0.531	3.21	0.4	0.771	47.6	-4.59

**Sample: CB03BBTX**

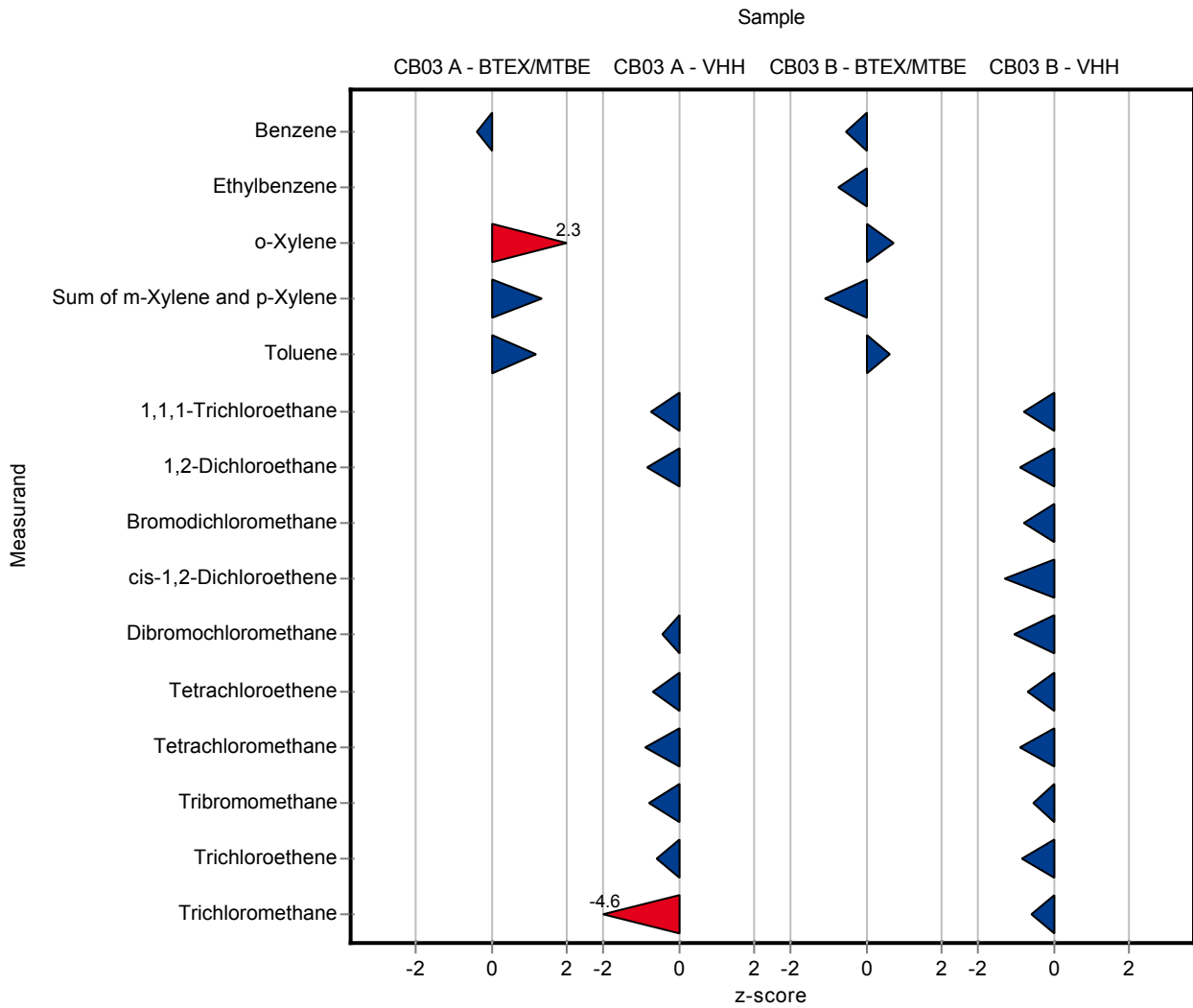
Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
Benzene	µg/l	5.61	± 0.454	5.32	0.7	0.566	94.8	-0.51
Ethylbenzene	µg/l	0.665	± 0.164	0.51	0.1	0.205	76.7	-0.76
o-Xylene	µg/l	3.47	± 0.895	4.4	0.6	1.23	127	0.76
Sum of m-Xylene and p-Xylene	µg/l	4.1	± 0.219	3.86	0.5	0.219	94.1	-1.1
Toluene	µg/l	5.59	± 1.89	7.22	0.9	2.52	129	0.65
Methyl-tert-butyl-ether	µg/l	3.6	± 0.614	-	-	0.614	-	-

**Sample: CB03BVHH**

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
1,1,1-Trichloroethane	µg/l	4.83	± 0.642	4.03	0.5	0.981	83.4	-0.81

Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
1,1-Dichloroethene	µg/l	3.19 ± 0.526	-	-	0.765	-	-
1,2-Dichloroethane	µg/l	4.53 ± 0.5	3.86	0.4	0.763	85.2	-0.88
Bromodichloromethane	µg/l	3.64 ± 0.155	3.47	0.4	0.207	95.4	-0.81
cis-1,2-Dichloroethene	µg/l	2.28 ± 0.153	2	0.25	0.216	87.7	-1.29
Dibromochloromethane	µg/l	7.77 ± 0.699	6.72	0.7	1.01	86.4	-1.04
Dichloromethane	µg/l	5.09 ± 0.563	-	-	0.818	-	-
Tetrachloroethene	µg/l	1.3 ± 0.151	1.13	0.2	0.236	87.2	-0.7
Tetrachloromethane	µg/l	2.61 ± 0.367	2.11	0.3	0.56	80.7	-0.9
trans-1,2-Dichloroethene	µg/l	5.45 ± 0.909	-	-	1.36	-	-
Tribromomethane	µg/l	6.24 ± 0.565	5.79	0.6	0.842	92.8	-0.53
Trichloroethene	µg/l	5.72 ± 0.642	4.86	0.6	1	84.9	-0.86
Trichloromethane	µg/l	7.72 ± 0.884	6.91	0.8	1.35	89.5	-0.6





The following results were achieved:

**Sample: CB03ABTX**

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
Benzene	µg/l	0.918	± 0.0988	0.88	0.18	0.127	95.9	-0.3
Ethylbenzene	µg/l	-	± -	<0.05 (LOQ)	-	-	-	-
o-Xylene	µg/l	0.539	± 0.0556	0.44	0.09	0.0669	81.7	-1.47
Sum of m-Xylene and p-Xylene	µg/l	1.77	± 0.272	1.49	0.3	0.351	84.2	-0.8
Toluene	µg/l	1.51	± 0.242	1.37	0.27	0.323	91	-0.42
Methyl-tert-butyl-ether	µg/l	1.13	± 0.197	1.03	0.21	0.186	91.3	-0.53

**Sample: CB03AVHH**

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
1,1,1-Trichloroethane	µg/l	1.28	± 0.175	1.15	0.23	0.267	89.5	-0.5
1,1-Dichloroethene	µg/l	1.13	± 0.167	1.16	0.23	0.237	103	0.14
1,2-Dichloroethane	µg/l	3.63	± 0.376	2.6	0.52	0.56	71.6	-1.84
Bromodichloromethane	µg/l	-	± -	<0.05 (LOQ)	-	-	-	-
cis-1,2-Dichloroethene	µg/l	-	± -	<0.05 (LOQ)	-	-	-	-
Dibromochloromethane	µg/l	1.86	± 0.205	1.82	0.36	0.306	98	-0.12
Dichloromethane	µg/l	2.85	± 0.381	2.4	0.48	0.553	84.3	-0.81
Tetrachloroethene	µg/l	7.59	± 0.775	7.05	1.41	1.24	92.9	-0.43
Tetrachloromethane	µg/l	0.628	± 0.0852	0.6	0.12	0.12	95.6	-0.23
trans-1,2-Dichloroethene	µg/l	0.499	± 0.0904	0.55	0.11	0.131	110	0.39
Tribromomethane	µg/l	3.6	± 0.291	3.46	0.69	0.411	96.1	-0.34
Trichloroethene	µg/l	1.56	± 0.186	1.39	0.28	0.291	89	-0.59
Trichloromethane	µg/l	6.75	± 0.531	6.47	1.29	0.771	95.9	-0.36

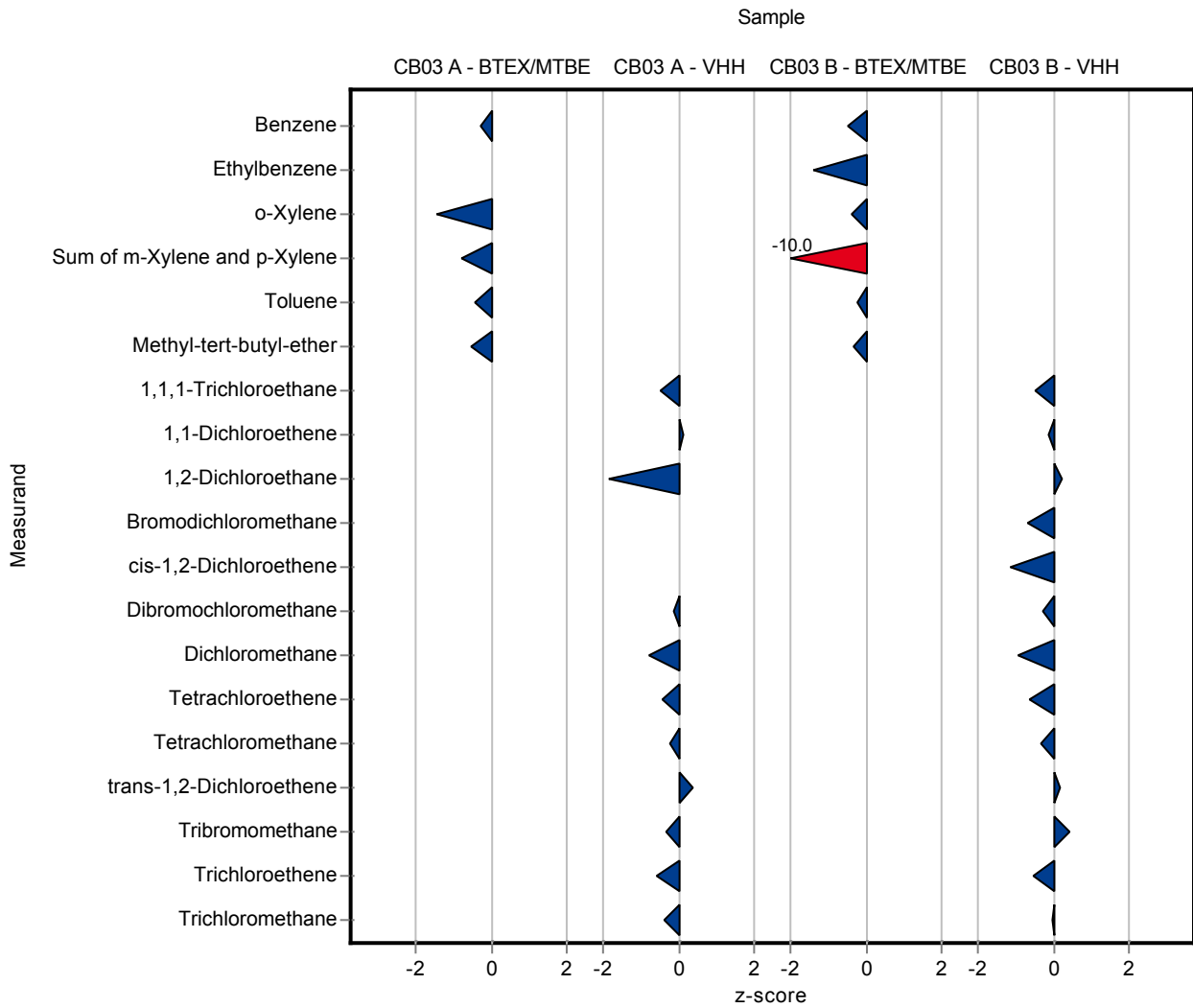
**Sample: CB03BBTX**

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
Benzene	µg/l	5.61	± 0.454	5.33	1.07	0.566	95	-0.49
Ethylbenzene	µg/l	0.665	± 0.164	0.38	0.08	0.205	57.2	-1.39
o-Xylene	µg/l	3.47	± 0.895	2.97	0.59	1.23	85.6	-0.4
Sum of m-Xylene and p-Xylene	µg/l	4.1	± 0.219	1.9	0.38	0.219	46.3	-10
Toluene	µg/l	5.59	± 1.89	4.98	1	2.52	89.1	-0.24
Methyl-tert-butyl-ether	µg/l	3.6	± 0.614	3.39	0.68	0.614	94.2	-0.34

**Sample: CB03BVHH**

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
1,1,1-Trichloroethane	µg/l	4.83	± 0.642	4.34	0.87	0.981	89.9	-0.5

Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
1,1-Dichloroethene	µg/l	3.19 ± 0.526	3.09	0.62	0.765	97	-0.13
1,2-Dichloroethane	µg/l	4.53 ± 0.5	4.71	0.94	0.763	104	0.24
Bromodichloromethane	µg/l	3.64 ± 0.155	3.49	0.7	0.207	96	-0.71
cis-1,2-Dichloroethene	µg/l	2.28 ± 0.153	2.03	0.41	0.216	89.1	-1.16
Dibromochloromethane	µg/l	7.77 ± 0.699	7.5	1.5	1.01	96.5	-0.27
Dichloromethane	µg/l	5.09 ± 0.563	4.34	0.87	0.818	85.2	-0.92
Tetrachloroethene	µg/l	1.3 ± 0.151	1.14	0.23	0.236	88	-0.66
Tetrachloromethane	µg/l	2.61 ± 0.367	2.44	0.49	0.56	93.3	-0.31
trans-1,2-Dichloroethene	µg/l	5.45 ± 0.909	5.71	1.14	1.36	105	0.19
Tribromomethane	µg/l	6.24 ± 0.565	6.61	1.32	0.842	106	0.44
Trichloroethene	µg/l	5.72 ± 0.642	5.18	1.04	1	90.5	-0.54
Trichloromethane	µg/l	7.72 ± 0.884	7.7	1.54	1.35	99.7	-0.02



The following results were achieved:

**Sample: CB03ABTX**

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
Benzene	µg/l	0.918	± 0.0988	0.76	0.15	0.127	82.8	-1.24
Ethylbenzene	µg/l	-	± -	<0.1 (LOD)	-	-	-	-
o-Xylene	µg/l	0.539	± 0.0556	0.5	0.1	0.0669	92.8	-0.58
Sum of m-Xylene and p-Xylene	µg/l	1.77	± 0.272	1.56	0.31	0.351	88.1	-0.6
Toluene	µg/l	1.51	± 0.242	1.37	0.27	0.323	91	-0.42
Methyl-tert-butyl-ether	µg/l	1.13	± 0.197	-	-	0.186	-	-

**Sample: CB03AVHH**

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
1,1,1-Trichloroethane	µg/l	1.28	± 0.175	0.97	0.19	0.267	75.5	-1.18
1,1-Dichloroethene	µg/l	1.13	± 0.167	0.92	0.18	0.237	81.6	-0.88
1,2-Dichloroethane	µg/l	3.63	± 0.376	3.31	0.66	0.56	91.2	-0.57
Bromodichloromethane	µg/l	-	± -	<0.1 (LOD)	-	-	-	-
cis-1,2-Dichloroethene	µg/l	-	± -	<0.1 (LOD)	-	-	-	-
Dibromochloromethane	µg/l	1.86	± 0.205	1.73	0.35	0.306	93.2	-0.41
Dichloromethane	µg/l	2.85	± 0.381	2.35	0.47	0.553	82.6	-0.9
Tetrachloroethene	µg/l	7.59	± 0.775	6.57	1.31	1.24	86.6	-0.82
Tetrachloromethane	µg/l	0.628	± 0.0852	0.44	0.09	0.12	70.1	-1.56
trans-1,2-Dichloroethene	µg/l	0.499	± 0.0904	0.48	0.1	0.131	96.1	-0.15
Tribromomethane	µg/l	3.6	± 0.291	3.41	0.68	0.411	94.7	-0.46
Trichloroethene	µg/l	1.56	± 0.186	1.41	0.28	0.291	90.3	-0.52
Trichloromethane	µg/l	6.75	± 0.531	6	1.2	0.771	88.9	-0.97

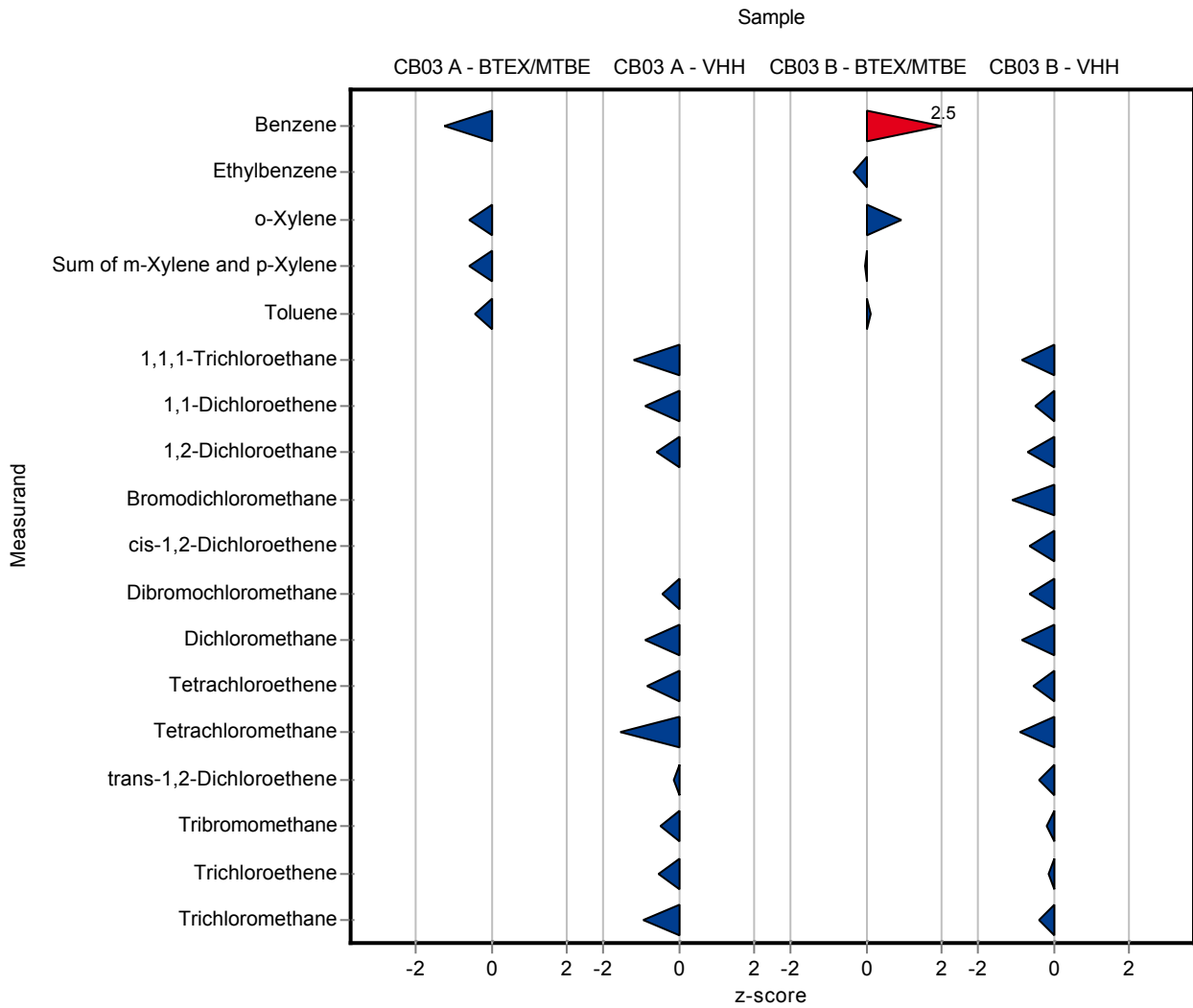
**Sample: CB03BBTX**

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
Benzene	µg/l	5.61	± 0.454	7	1.4	0.566	125	2.45
Ethylbenzene	µg/l	0.665	± 0.164	0.6	0.1	0.205	90.3	-0.32
o-Xylene	µg/l	3.47	± 0.895	4.6	0.9	1.23	133	0.92
Sum of m-Xylene and p-Xylene	µg/l	4.1	± 0.219	4.1	0.8	0.219	100	-0.01
Toluene	µg/l	5.59	± 1.89	5.9	1.2	2.52	106	0.12
Methyl-tert-butyl-ether	µg/l	3.6	± 0.614	-	-	0.614	-	-

**Sample: CB03BVHH**

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
1,1,1-Trichloroethane	µg/l	4.83	± 0.642	3.98	0.8	0.981	82.4	-0.87

Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
1,1-Dichloroethene	µg/l	3.19 ± 0.526	2.8	0.56	0.765	87.9	-0.51
1,2-Dichloroethane	µg/l	4.53 ± 0.5	4	0.8	0.763	88.3	-0.69
Bromodichloromethane	µg/l	3.64 ± 0.155	3.41	0.68	0.207	93.8	-1.1
cis-1,2-Dichloroethene	µg/l	2.28 ± 0.153	2.14	0.43	0.216	93.9	-0.65
Dibromochloromethane	µg/l	7.77 ± 0.699	7.14	1.43	1.01	91.8	-0.63
Dichloromethane	µg/l	5.09 ± 0.563	4.4	0.88	0.818	86.4	-0.85
Tetrachloroethene	µg/l	1.3 ± 0.151	1.17	0.23	0.236	90.3	-0.53
Tetrachloromethane	µg/l	2.61 ± 0.367	2.12	0.42	0.56	81.1	-0.88
trans-1,2-Dichloroethene	µg/l	5.45 ± 0.909	4.92	0.98	1.36	90.3	-0.39
Tribromomethane	µg/l	6.24 ± 0.565	6.09	1.22	0.842	97.6	-0.17
Trichloroethene	µg/l	5.72 ± 0.642	5.57	1.11	1	97.3	-0.15
Trichloromethane	µg/l	7.72 ± 0.884	7.21	1.44	1.35	93.3	-0.38



The following results were achieved:

**Sample: CB03ABTX**

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
Benzene	µg/l	0.918	± 0.0988	0.824	0.165	0.127	89.8	-0.74
Ethylbenzene	µg/l	-	± -	1.062	0.212	-	-	-
o-Xylene	µg/l	0.539	± 0.0556	1.744	0.348	0.0669	324	18
Sum of m-Xylene and p-Xylene	µg/l	1.77	± 0.272	<0.5 (LOQ)	-	0.351	-	-
Toluene	µg/l	1.51	± 0.242	0.697	0.139	0.323	46.3	-2.5
Methyl-tert-butyl-ether	µg/l	1.13	± 0.197	-	-	0.186	-	-

**Sample: CB03AVHH**

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
1,1,1-Trichloroethane	µg/l	1.28	± 0.175	1.44	0.288	0.267	112	0.58
1,1-Dichloroethene	µg/l	1.13	± 0.167	3.137	0.627	0.237	278	8.48
1,2-Dichloroethane	µg/l	3.63	± 0.376	5.259	1.052	0.56	145	2.91
Bromodichloromethane	µg/l	-	± -	<0.5 (LOQ)	-	-	-	-
cis-1,2-Dichloroethene	µg/l	-	± -	<0.5 (LOQ)	-	-	-	-
Dibromochloromethane	µg/l	1.86	± 0.205	1.801	0.36	0.306	97	-0.18
Dichloromethane	µg/l	2.85	± 0.381	13.745	2.749	0.553	483	19.7
Tetrachloroethene	µg/l	7.59	± 0.775	6.68	1.336	1.24	88	-0.73
Tetrachloromethane	µg/l	0.628	± 0.0852	0.646	0.129	0.12	103	0.15
trans-1,2-Dichloroethene	µg/l	0.499	± 0.0904	8.899	1.779	0.131	1780	63.9
Tribromomethane	µg/l	3.6	± 0.291	3.806	0.761	0.411	106	0.5
Trichloroethene	µg/l	1.56	± 0.186	1.825	0.364	0.291	117	0.9
Trichloromethane	µg/l	6.75	± 0.531	7.451	1.49	0.771	110	0.91

**Sample: CB03BBTX**

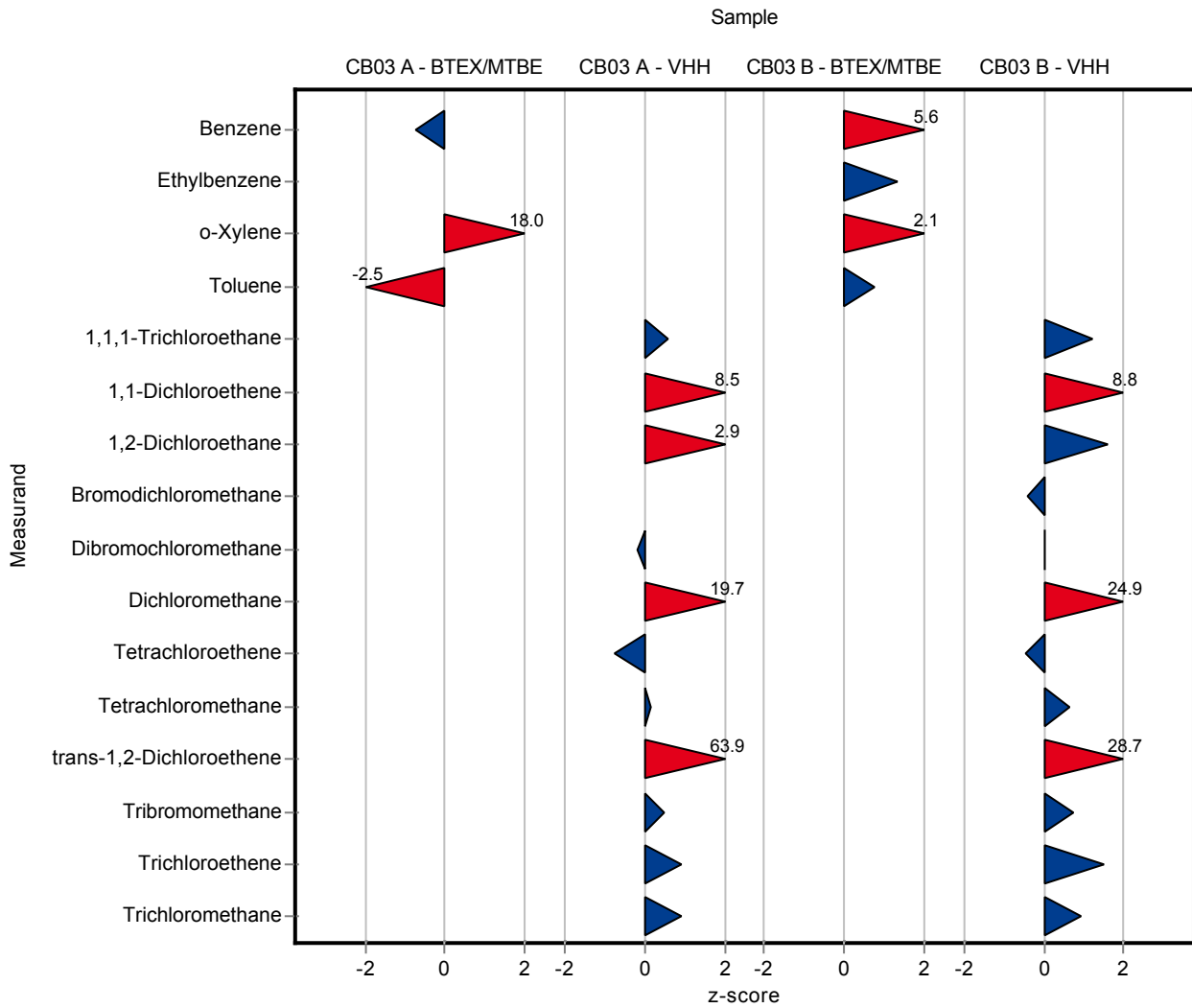
Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
Benzene	µg/l	5.61	± 0.454	8.777	1.755	0.566	156	5.59
Ethylbenzene	µg/l	0.665	± 0.164	0.936	0.187	0.205	141	1.32
o-Xylene	µg/l	3.47	± 0.895	6.083	1.216	1.23	175	2.13
Sum of m-Xylene and p-Xylene	µg/l	4.1	± 0.219	<0.5 (LOQ)	-	0.219	-	-
Toluene	µg/l	5.59	± 1.89	7.513	1.502	2.52	134	0.76
Methyl-tert-butyl-ether	µg/l	3.6	± 0.614	-	-	0.614	-	-

**Sample: CB03BVHH**

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
1,1,1-Trichloroethane	µg/l	4.83	± 0.642	6.001	1.2	0.981	124	1.19



Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
1,1-Dichloroethene	µg/l	3.19	± 0.526	9.949	1.989	0.765	312	8.84
1,2-Dichloroethane	µg/l	4.53	± 0.5	5.763	1.153	0.763	127	1.62
Bromodichloromethane	µg/l	3.64	± 0.155	3.554	0.711	0.207	97.7	-0.4
cis-1,2-Dichloroethene	µg/l	2.28	± 0.153	<0.5 (LOQ)	-	0.216	-	-
Dibromochloromethane	µg/l	7.77	± 0.699	7.778	1.555	1.01	100	0.00
Dichloromethane	µg/l	5.09	± 0.563	25.503	5.101	0.818	501	24.9
Tetrachloroethene	µg/l	1.3	± 0.151	1.182	0.236	0.236	91.2	-0.48
Tetrachloromethane	µg/l	2.61	± 0.367	2.976	0.595	0.56	114	0.65
trans-1,2-Dichloroethene	µg/l	5.45	± 0.909	44.289	8.857	1.36	813	28.7
Tribromomethane	µg/l	6.24	± 0.565	6.855	1.379	0.842	110	0.73
Trichloroethene	µg/l	5.72	± 0.642	7.214	1.443	1	126	1.48
Trichloromethane	µg/l	7.72	± 0.884	8.982	1.796	1.35	116	0.93



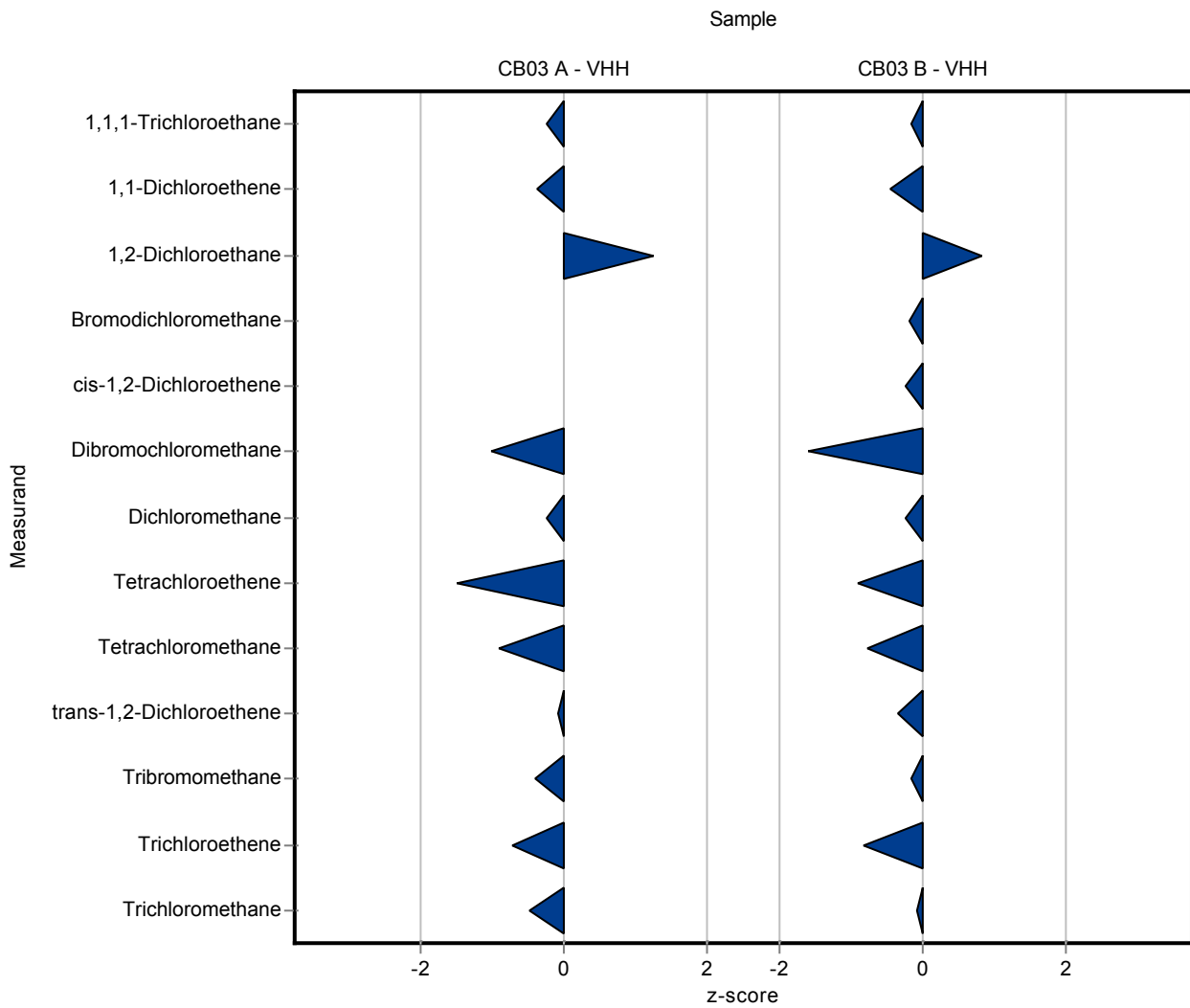
The following results were achieved:

Sample: CB03AVHH

Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
1,1,1-Trichloroethane	µg/l	1.28 ± 0.175	1.22	0.12	0.267	95	-0.24
1,1-Dichloroethene	µg/l	1.13 ± 0.167	1.04	0.1	0.237	92.3	-0.37
1,2-Dichloroethane	µg/l	3.63 ± 0.376	4.33	0.43	0.56	119	1.25
Bromodichloromethane	µg/l	- ± -	<0.1 (LOQ)	-	-	-	-
cis-1,2-Dichloroethene	µg/l	- ± -	<0.1 (LOQ)	-	-	-	-
Dibromochloromethane	µg/l	1.86 ± 0.205	1.55	0.16	0.306	83.5	-1
Dichloromethane	µg/l	2.85 ± 0.381	2.72	0.27	0.553	95.6	-0.23
Tetrachloroethene	µg/l	7.59 ± 0.775	5.76	0.58	1.24	75.9	-1.48
Tetrachloromethane	µg/l	0.628 ± 0.0852	0.52	0.05	0.12	82.9	-0.89
trans-1,2-Dichloroethene	µg/l	0.499 ± 0.0904	0.49	0.05	0.131	98.1	-0.07
Tribromomethane	µg/l	3.6 ± 0.291	3.44	0.35	0.411	95.6	-0.39
Trichloroethene	µg/l	1.56 ± 0.186	1.35	0.14	0.291	86.4	-0.73
Trichloromethane	µg/l	6.75 ± 0.531	6.37	0.64	0.771	94.4	-0.49

Sample: CB03BVHH

Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
1,1,1-Trichloroethane	µg/l	4.83 ± 0.642	4.67	0.47	0.981	96.7	-0.16
1,1-Dichloroethene	µg/l	3.19 ± 0.526	2.84	0.28	0.765	89.1	-0.45
1,2-Dichloroethane	µg/l	4.53 ± 0.5	5.15	0.52	0.763	114	0.81
Bromodichloromethane	µg/l	3.64 ± 0.155	3.6	0.36	0.207	99	-0.18
cis-1,2-Dichloroethene	µg/l	2.28 ± 0.153	2.23	0.22	0.216	97.8	-0.23
Dibromochloromethane	µg/l	7.77 ± 0.699	6.15	0.62	1.01	79.1	-1.6
Dichloromethane	µg/l	5.09 ± 0.563	4.89	0.49	0.818	96	-0.25
Tetrachloroethene	µg/l	1.3 ± 0.151	1.08	0.11	0.236	83.3	-0.92
Tetrachloromethane	µg/l	2.61 ± 0.367	2.18	0.22	0.56	83.4	-0.78
trans-1,2-Dichloroethene	µg/l	5.45 ± 0.909	4.99	0.5	1.36	91.6	-0.34
Tribromomethane	µg/l	6.24 ± 0.565	6.1	0.61	0.842	97.8	-0.16
Trichloroethene	µg/l	5.72 ± 0.642	4.89	0.49	1	85.4	-0.83
Trichloromethane	µg/l	7.72 ± 0.884	7.6	0.76	1.35	98.4	-0.09



The following results were achieved:

**Sample: CB03ABTX**

Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
Benzene	µg/l	0.918 ± 0.0988	1.66	-	0.127	181	5.82
Ethylbenzene	µg/l	- ± -	3.64	-	-	-	-
o-Xylene	µg/l	0.539 ± 0.0556	1.74	-	0.0669	323	18
Sum of m-Xylene and p-Xylene	µg/l	1.77 ± 0.272	-	-	0.351	-	-
Toluene	µg/l	1.51 ± 0.242	4.82	-	0.323	320	10.3
Methyl-tert-butyl-ether	µg/l	1.13 ± 0.197	-	-	0.186	-	-

**Sample: CB03AVHH**

Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
1,1,1-Trichloroethane	µg/l	1.28 ± 0.175	-	-	0.267	-	-
1,1-Dichloroethene	µg/l	1.13 ± 0.167	-	-	0.237	-	-
1,2-Dichloroethane	µg/l	3.63 ± 0.376	-	-	0.56	-	-
Bromodichloromethane	µg/l	- ± -	-	-	-	-	-
cis-1,2-Dichloroethene	µg/l	- ± -	-	-	-	-	-
Dibromochloromethane	µg/l	1.86 ± 0.205	-	-	0.306	-	-
Dichloromethane	µg/l	2.85 ± 0.381	-	-	0.553	-	-
Tetrachloroethene	µg/l	7.59 ± 0.775	10.81	-	1.24	142	2.6
Tetrachloromethane	µg/l	0.628 ± 0.0852	-	-	0.12	-	-
trans-1,2-Dichloroethene	µg/l	0.499 ± 0.0904	-	-	0.131	-	-
Tribromomethane	µg/l	3.6 ± 0.291	-	-	0.411	-	-
Trichloroethene	µg/l	1.56 ± 0.186	-	-	0.291	-	-
Trichloromethane	µg/l	6.75 ± 0.531	12.4	-	0.771	184	7.33

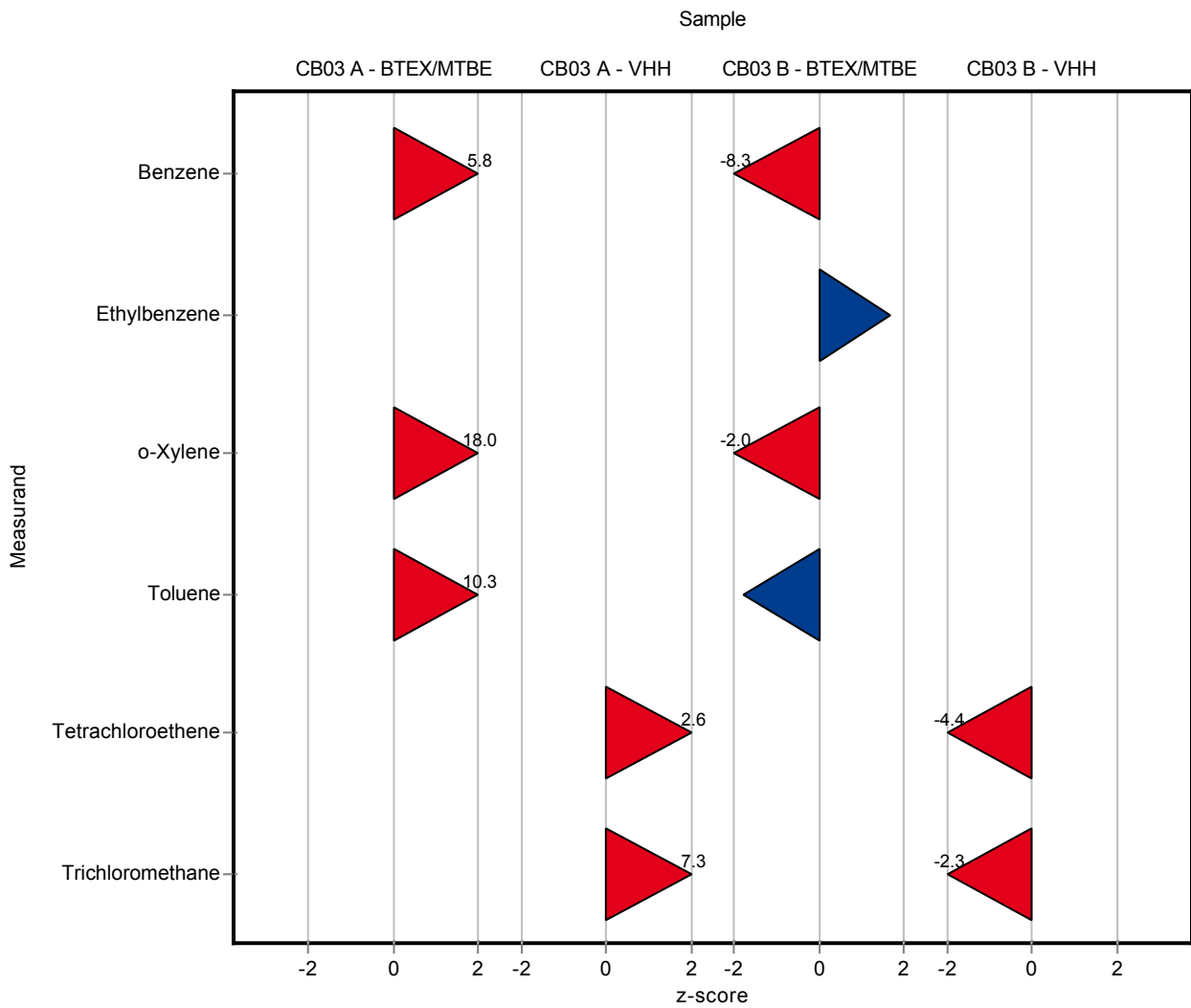
**Sample: CB03BBTX**

Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
Benzene	µg/l	5.61 ± 0.454	0.92	-	0.566	16.4	-8.28
Ethylbenzene	µg/l	0.665 ± 0.164	1.01	-	0.205	152	1.68
o-Xylene	µg/l	3.47 ± 0.895	0.98	-	1.23	28.3	-2.02
Sum of m-Xylene and p-Xylene	µg/l	4.1 ± 0.219	-	-	0.219	-	-
Toluene	µg/l	5.59 ± 1.89	1.12	-	2.52	20	-1.77
Methyl-tert-butyl-ether	µg/l	3.6 ± 0.614	-	-	0.614	-	-

**Sample: CB03BVHH**

Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
1,1,1-Trichloroethane	µg/l	4.83 ± 0.642	-	-	0.981	-	-

Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
1,1-Dichloroethene	µg/l	3.19 ± 0.526	-	-	0.765	-	-
1,2-Dichloroethane	µg/l	4.53 ± 0.5	-	-	0.763	-	-
Bromodichloromethane	µg/l	3.64 ± 0.155	-	-	0.207	-	-
cis-1,2-Dichloroethene	µg/l	2.28 ± 0.153	-	-	0.216	-	-
Dibromochloromethane	µg/l	7.77 ± 0.699	-	-	1.01	-	-
Dichloromethane	µg/l	5.09 ± 0.563	-	-	0.818	-	-
Tetrachloroethene	µg/l	1.3 ± 0.151	0.25	-	0.236	19.3	-4.43
Tetrachloromethane	µg/l	2.61 ± 0.367	-	-	0.56	-	-
trans-1,2-Dichloroethene	µg/l	5.45 ± 0.909	-	-	1.36	-	-
Tribromomethane	µg/l	6.24 ± 0.565	-	-	0.842	-	-
Trichloroethene	µg/l	5.72 ± 0.642	-	-	1	-	-
Trichloromethane	µg/l	7.72 ± 0.884	4.62	-	1.35	59.8	-2.3



The following results were achieved:

**Sample: CB03ABTX**

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
Benzene	µg/l	0.918	± 0.0988	0.85	0.17	0.127	92.6	-0.53
Ethylbenzene	µg/l	-	± -	<0.05 (LOQ)	-	-	-	-
o-Xylene	µg/l	0.539	± 0.0556	0.52	0.1	0.0669	96.6	-0.28
Sum of m-Xylene and p-Xylene	µg/l	1.77	± 0.272	1.8	0.36	0.351	102	0.08
Toluene	µg/l	1.51	± 0.242	1.6	0.32	0.323	106	0.29
Methyl-tert-butyl-ether	µg/l	1.13	± 0.197	1.17	0.23	0.186	104	0.23

**Sample: CB03AVHH**

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
1,1,1-Trichloroethane	µg/l	1.28	± 0.175	1.13	0.23	0.267	88	-0.58
1,1-Dichloroethene	µg/l	1.13	± 0.167	0.98	0.2	0.237	86.9	-0.62
1,2-Dichloroethane	µg/l	3.63	± 0.376	3.6	0.72	0.56	99.1	-0.06
Bromodichloromethane	µg/l	-	± -	<0.05 (LOQ)	-	-	-	-
cis-1,2-Dichloroethene	µg/l	-	± -	<0.05 (LOQ)	-	-	-	-
Dibromochloromethane	µg/l	1.86	± 0.205	1.96	0.39	0.306	106	0.34
Dichloromethane	µg/l	2.85	± 0.381	2.73	0.55	0.553	95.9	-0.21
Tetrachloroethene	µg/l	7.59	± 0.775	8.81	1.76	1.24	116	0.99
Tetrachloromethane	µg/l	0.628	± 0.0852	0.54	0.11	0.12	86	-0.73
trans-1,2-Dichloroethene	µg/l	0.499	± 0.0904	0.44	0.09	0.131	88.1	-0.45
Tribromomethane	µg/l	3.6	± 0.291	4.14	0.83	0.411	115	1.32
Trichloroethene	µg/l	1.56	± 0.186	1.58	0.32	0.291	101	0.06
Trichloromethane	µg/l	6.75	± 0.531	7.22	1.44	0.771	107	0.61

**Sample: CB03BBTX**

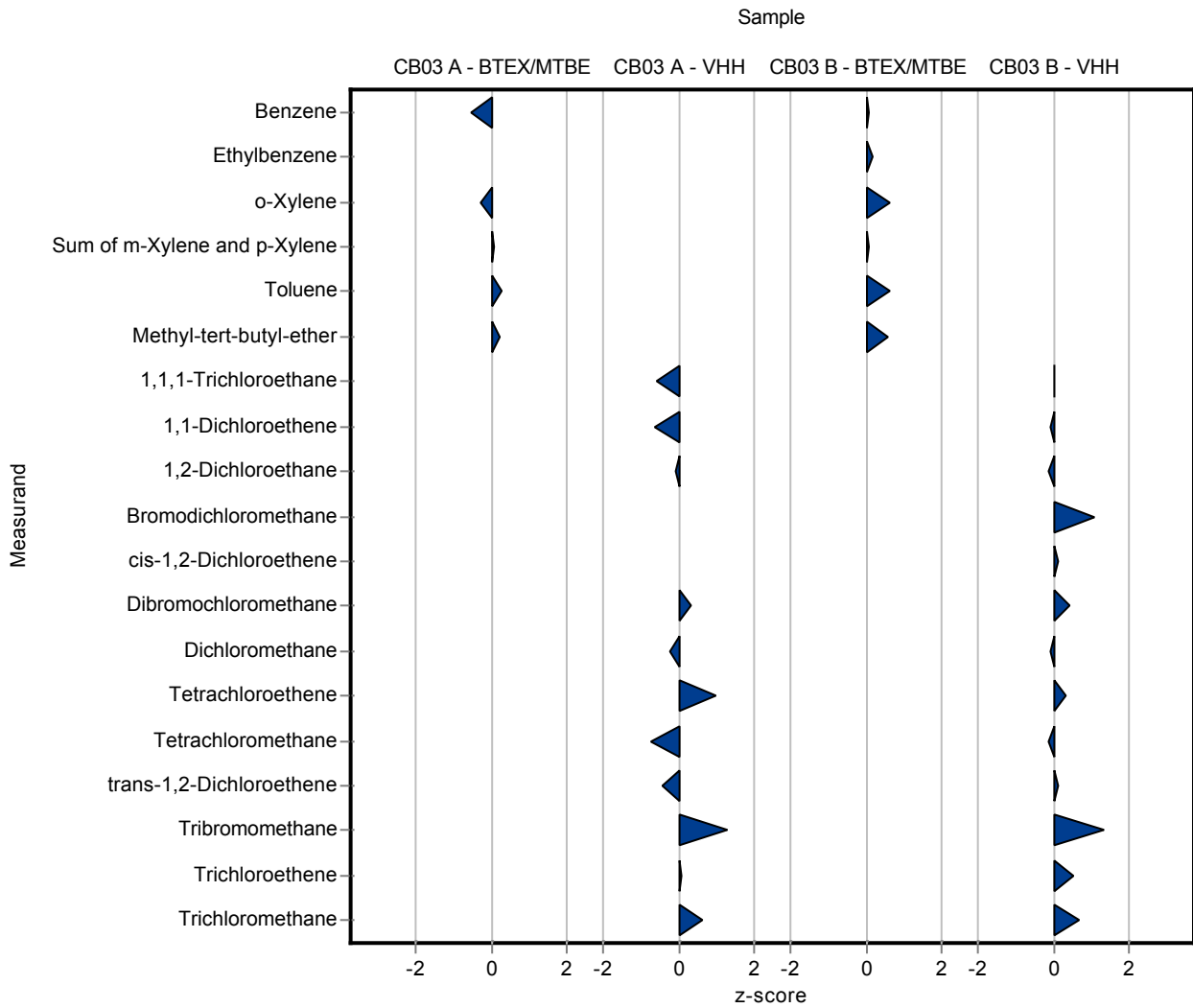
Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
Benzene	µg/l	5.61	± 0.454	5.66	1.13	0.566	101	0.09
Ethylbenzene	µg/l	0.665	± 0.164	0.7	0.14	0.205	105	0.17
o-Xylene	µg/l	3.47	± 0.895	4.23	0.85	1.23	122	0.62
Sum of m-Xylene and p-Xylene	µg/l	4.1	± 0.219	4.12	0.82	0.219	100	0.08
Toluene	µg/l	5.59	± 1.89	7.2	1.44	2.52	129	0.64
Methyl-tert-butyl-ether	µg/l	3.6	± 0.614	3.97	0.79	0.614	110	0.61

**Sample: CB03BVHH**

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
1,1,1-Trichloroethane	µg/l	4.83	± 0.642	4.85	0.97	0.981	100	0.02



Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
1,1-Dichloroethene	µg/l	3.19	± 0.526	3.11	0.62	0.765	97.6	-0.1
1,2-Dichloroethane	µg/l	4.53	± 0.5	4.42	0.88	0.763	97.6	-0.14
Bromodichloromethane	µg/l	3.64	± 0.155	3.86	0.77	0.207	106	1.08
cis-1,2-Dichloroethene	µg/l	2.28	± 0.153	2.31	0.46	0.216	101	0.14
Dibromochloromethane	µg/l	7.77	± 0.699	8.2	1.64	1.01	105	0.42
Dichloromethane	µg/l	5.09	± 0.563	5.03	1	0.818	98.8	-0.08
Tetrachloroethene	µg/l	1.3	± 0.151	1.38	0.28	0.236	106	0.36
Tetrachloromethane	µg/l	2.61	± 0.367	2.54	0.51	0.56	97.1	-0.13
trans-1,2-Dichloroethene	µg/l	5.45	± 0.909	5.59	1.12	1.36	103	0.1
Tribromomethane	µg/l	6.24	± 0.565	7.38	1.48	0.842	118	1.36
Trichloroethene	µg/l	5.72	± 0.642	6.27	1.25	1	110	0.55
Trichloromethane	µg/l	7.72	± 0.884	8.64	1.73	1.35	112	0.68



The following results were achieved:

**Sample: CB03ABTX**

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
Benzene	µg/l	0.918	± 0.0988	0.91	0.209	0.127	99.1	-0.06
Ethylbenzene	µg/l	-	± -	<0.05 (LOQ)	-	-	-	-
o-Xylene	µg/l	0.539	± 0.0556	0.53	0.127	0.0669	98.4	-0.13
Sum of m-Xylene and p-Xylene	µg/l	1.77	± 0.272	1.84	0.57	0.351	104	0.2
Toluene	µg/l	1.51	± 0.242	1.62	0.47	0.323	108	0.35
Methyl-tert-butyl-ether	µg/l	1.13	± 0.197	1.405	0.267	0.186	125	1.49

**Sample: CB03AVHH**

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
1,1,1-Trichloroethane	µg/l	1.28	± 0.175	1.36	0.299	0.267	106	0.28
1,1-Dichloroethene	µg/l	1.13	± 0.167	1.24	0.198	0.237	110	0.48
1,2-Dichloroethane	µg/l	3.63	± 0.376	4.11	1.069	0.56	113	0.85
Bromodichloromethane	µg/l	-	± -	<0.05 (LOQ)	-	-	-	-
cis-1,2-Dichloroethene	µg/l	-	± -	<0.05 (LOQ)	-	-	-	-
Dibromochloromethane	µg/l	1.86	± 0.205	2.025	0.527	0.306	109	0.55
Dichloromethane	µg/l	2.85	± 0.381	3.09	0.896	0.553	109	0.44
Tetrachloroethene	µg/l	7.59	± 0.775	6.62	2.185	1.24	87.2	-0.78
Tetrachloromethane	µg/l	0.628	± 0.0852	0.655	0.124	0.12	104	0.23
trans-1,2-Dichloroethene	µg/l	0.499	± 0.0904	0.585	0.152	0.131	117	0.65
Tribromomethane	µg/l	3.6	± 0.291	3.88	1.164	0.411	108	0.68
Trichloroethene	µg/l	1.56	± 0.186	1.655	0.546	0.291	106	0.32
Trichloromethane	µg/l	6.75	± 0.531	6.52	1.76	0.771	96.6	-0.29

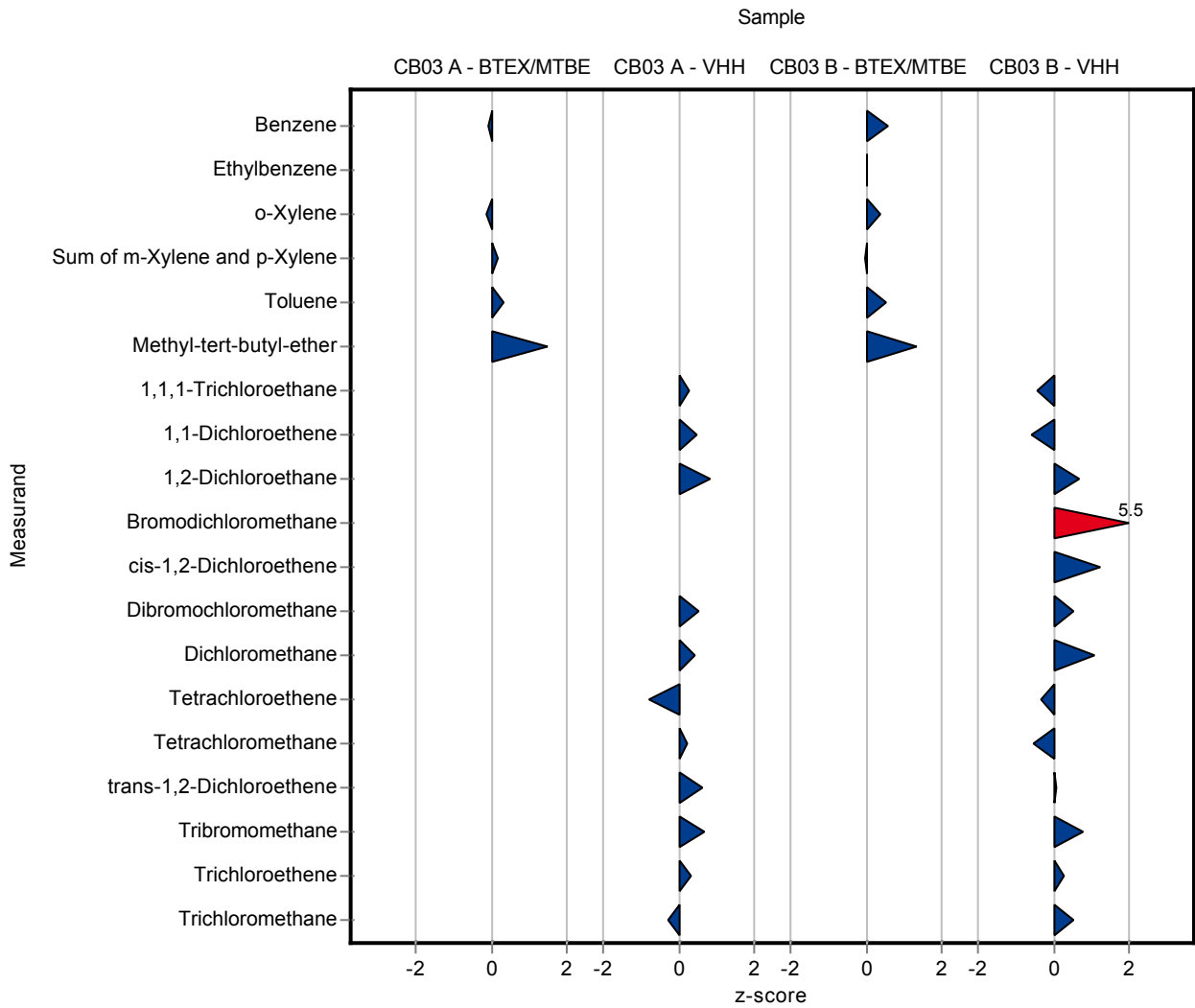
**Sample: CB03BBTX**

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
Benzene	µg/l	5.61	± 0.454	5.94	1.366	0.566	106	0.58
Ethylbenzene	µg/l	0.665	± 0.164	0.665	0.153	0.205	100	0.00
o-Xylene	µg/l	3.47	± 0.895	3.97	0.953	1.23	114	0.41
Sum of m-Xylene and p-Xylene	µg/l	4.1	± 0.219	4.1	1.271	0.219	100	-0.01
Toluene	µg/l	5.59	± 1.89	7	2.03	2.52	125	0.56
Methyl-tert-butyl-ether	µg/l	3.6	± 0.614	4.44	0.844	0.614	123	1.37

**Sample: CB03BVHH**

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
1,1,1-Trichloroethane	µg/l	4.83	± 0.642	4.39	0.966	0.981	90.9	-0.45

Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
1,1-Dichloroethene	µg/l	3.19 ± 0.526	2.75	0.44	0.765	86.3	-0.57
1,2-Dichloroethane	µg/l	4.53 ± 0.5	5.04	1.31	0.763	111	0.67
Bromodichloromethane	µg/l	3.64 ± 0.155	4.78	1.195	0.207	131	5.52
cis-1,2-Dichloroethene	µg/l	2.28 ± 0.153	2.55	0.587	0.216	112	1.25
Dibromochloromethane	µg/l	7.77 ± 0.699	8.32	2.163	1.01	107	0.54
Dichloromethane	µg/l	5.09 ± 0.563	5.98	1.734	0.818	117	1.08
Tetrachloroethene	µg/l	1.3 ± 0.151	1.215	0.401	0.236	93.7	-0.34
Tetrachloromethane	µg/l	2.61 ± 0.367	2.32	0.441	0.56	88.7	-0.53
trans-1,2-Dichloroethene	µg/l	5.45 ± 0.909	5.54	1.44	1.36	102	0.07
Tribromomethane	µg/l	6.24 ± 0.565	6.9	2.07	0.842	111	0.79
Trichloroethene	µg/l	5.72 ± 0.642	5.98	1.973	1	104	0.26
Trichloromethane	µg/l	7.72 ± 0.884	8.44	2.279	1.35	109	0.53



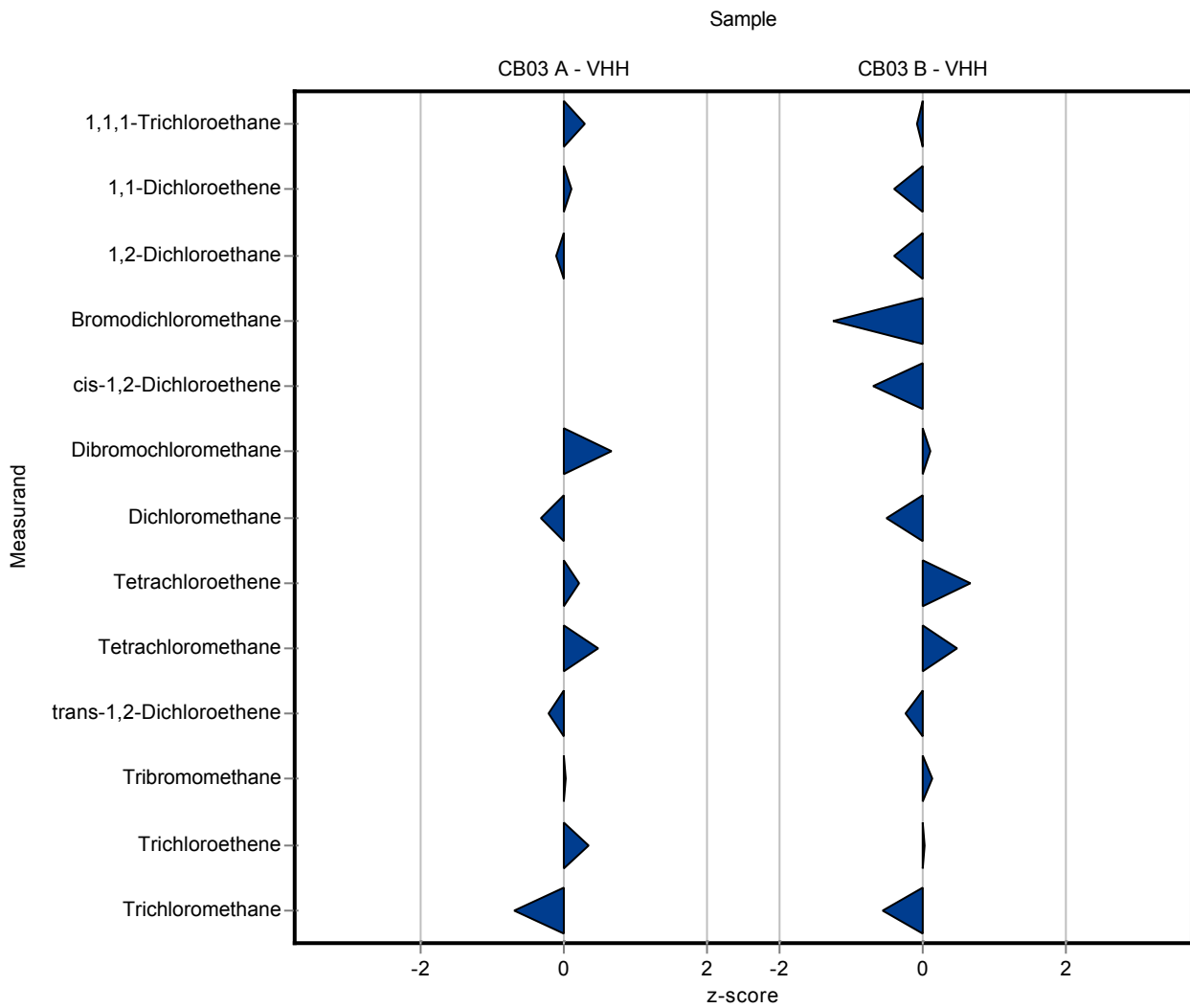
The following results were achieved:

Sample: CB03AVHH

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
1,1,1-Trichloroethane	µg/l	1.28	± 0.175	1.36	0.07	0.267	106	0.28
1,1-Dichloroethene	µg/l	1.13	± 0.167	1.15	0.091	0.237	102	0.1
1,2-Dichloroethane	µg/l	3.63	± 0.376	3.57	0.221	0.56	98.3	-0.11
Bromodichloromethane	µg/l	-	± -	<0.05 (LOQ)	-	-	-	-
cis-1,2-Dichloroethene	µg/l	-	± -	<0.4 (LOQ)	-	-	-	-
Dibromochloromethane	µg/l	1.86	± 0.205	2.06	0.048	0.306	111	0.66
Dichloromethane	µg/l	2.85	± 0.381	2.67	0.095	0.553	93.8	-0.32
Tetrachloroethene	µg/l	7.59	± 0.775	7.84	0.241	1.24	103	0.2
Tetrachloromethane	µg/l	0.628	± 0.0852	0.685	0.026	0.12	109	0.48
trans-1,2-Dichloroethene	µg/l	0.499	± 0.0904	0.47	0.027	0.131	94.1	-0.22
Tribromomethane	µg/l	3.6	± 0.291	3.61	0.077	0.411	100	0.03
Trichloroethene	µg/l	1.56	± 0.186	1.66	0.042	0.291	106	0.34
Trichloromethane	µg/l	6.75	± 0.531	6.22	0.144	0.771	92.2	-0.68

Sample: CB03BVHH

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
1,1,1-Trichloroethane	µg/l	4.83	± 0.642	4.74	0.148	0.981	98.1	-0.09
1,1-Dichloroethene	µg/l	3.19	± 0.526	2.88	0.085	0.765	90.4	-0.4
1,2-Dichloroethane	µg/l	4.53	± 0.5	4.23	0.401	0.763	93.4	-0.39
Bromodichloromethane	µg/l	3.64	± 0.155	3.38	0.053	0.207	92.9	-1.24
cis-1,2-Dichloroethene	µg/l	2.28	± 0.153	2.13	0.062	0.216	93.4	-0.69
Dibromochloromethane	µg/l	7.77	± 0.699	7.87	0.168	1.01	101	0.09
Dichloromethane	µg/l	5.09	± 0.563	4.68	0.195	0.818	91.9	-0.5
Tetrachloroethene	µg/l	1.3	± 0.151	1.45	0.062	0.236	112	0.65
Tetrachloromethane	µg/l	2.61	± 0.367	2.88	0.092	0.56	110	0.47
trans-1,2-Dichloroethene	µg/l	5.45	± 0.909	5.13	0.184	1.36	94.1	-0.24
Tribromomethane	µg/l	6.24	± 0.565	6.36	0.156	0.842	102	0.15
Trichloroethene	µg/l	5.72	± 0.642	5.75	0.14	1	100	0.03
Trichloromethane	µg/l	7.72	± 0.884	6.96	0.147	1.35	90.1	-0.57



The following results were achieved:

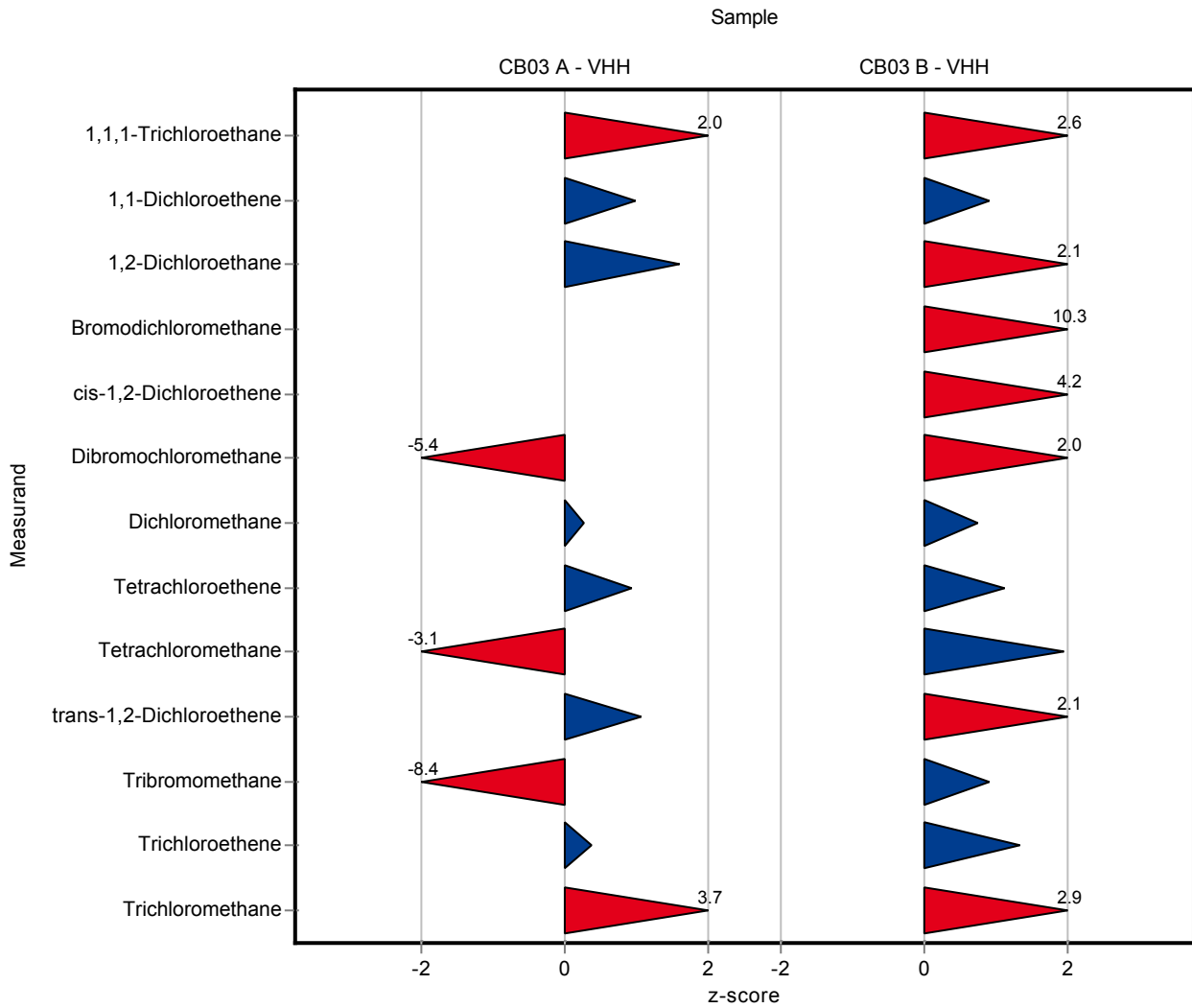
Sample: CB03AVHH

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
1,1,1-Trichloroethane	µg/l	1.28	± 0.175	1.83	0.37	0.267	142	2.04
1,1-Dichloroethene	µg/l	1.13	± 0.167	1.36	0.27	0.237	121	0.98
1,2-Dichloroethane	µg/l	3.63	± 0.376	4.53	0.91	0.56	125	1.6
Bromodichloromethane	µg/l	-	± -	<0.04 (LOQ)	-	-	-	-
cis-1,2-Dichloroethene	µg/l	-	± -	<0.04 (LOQ)	-	-	-	-
Dibromochloromethane	µg/l	1.86	± 0.205	0.2	0.04	0.306	10.8	-5.41
Dichloromethane	µg/l	2.85	± 0.381	3	0.6	0.553	105	0.28
Tetrachloroethene	µg/l	7.59	± 0.775	8.75	1.75	1.24	115	0.94
Tetrachloromethane	µg/l	0.628	± 0.0852	0.26	0.05	0.12	41.4	-3.05
trans-1,2-Dichloroethene	µg/l	0.499	± 0.0904	0.64	0.13	0.131	128	1.07
Tribromomethane	µg/l	3.6	± 0.291	0.14	0.03	0.411	3.9	-8.42
Trichloroethene	µg/l	1.56	± 0.186	1.67	0.33	0.291	107	0.37
Trichloromethane	µg/l	6.75	± 0.531	9.59	1.92	0.771	142	3.69

Sample: CB03BVHH

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
1,1,1-Trichloroethane	µg/l	4.83	± 0.642	7.35	1.47	0.981	152	2.57
1,1-Dichloroethene	µg/l	3.19	± 0.526	3.87	0.77	0.765	121	0.89
1,2-Dichloroethane	µg/l	4.53	± 0.5	6.15	1.23	0.763	136	2.12
Bromodichloromethane	µg/l	3.64	± 0.155	5.76	1.15	0.207	158	10.3
cis-1,2-Dichloroethene	µg/l	2.28	± 0.153	3.18	0.64	0.216	140	4.17
Dibromochloromethane	µg/l	7.77	± 0.699	9.81	1.96	1.01	126	2.01
Dichloromethane	µg/l	5.09	± 0.563	5.71	1.14	0.818	112	0.75
Tetrachloroethene	µg/l	1.3	± 0.151	1.56	0.31	0.236	120	1.12
Tetrachloromethane	µg/l	2.61	± 0.367	3.7	0.74	0.56	142	1.94
trans-1,2-Dichloroethene	µg/l	5.45	± 0.909	8.32	1.66	1.36	153	2.12
Tribromomethane	µg/l	6.24	± 0.565	7	1.4	0.842	112	0.91
Trichloroethene	µg/l	5.72	± 0.642	7.06	1.41	1	123	1.33
Trichloromethane	µg/l	7.72	± 0.884	11.61	2.32	1.35	150	2.88





The following results were achieved:

**Sample: CB03ABTX**

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
Benzene	µg/l	0.918	± 0.0988	0.86	-	0.127	93.7	-0.46
Ethylbenzene	µg/l	-	± -	<0.1 (LOQ)	-	-	-	-
o-Xylene	µg/l	0.539	± 0.0556	0.59	-	0.0669	110	0.77
Sum of m-Xylene and p-Xylene	µg/l	1.77	± 0.272	2.03	-	0.351	115	0.74
Toluene	µg/l	1.51	± 0.242	1.69	-	0.323	112	0.57
Methyl-tert-butyl-ether	µg/l	1.13	± 0.197	-	-	0.186	-	-

**Sample: CB03AVHH**

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
1,1,1-Trichloroethane	µg/l	1.28	± 0.175	1.2	-	0.267	93.4	-0.32
1,1-Dichloroethene	µg/l	1.13	± 0.167	1.16	-	0.237	103	0.14
1,2-Dichloroethane	µg/l	3.63	± 0.376	3.65	-	0.56	101	0.03
Bromodichloromethane	µg/l	-	± -	<0.1 (LOQ)	-	-	-	-
cis-1,2-Dichloroethene	µg/l	-	± -	<0.1 (LOQ)	-	-	-	-
Dibromochloromethane	µg/l	1.86	± 0.205	1.88	-	0.306	101	0.07
Dichloromethane	µg/l	2.85	± 0.381	2.54	-	0.553	89.2	-0.55
Tetrachloroethene	µg/l	7.59	± 0.775	7.23	-	1.24	95.3	-0.29
Tetrachloromethane	µg/l	0.628	± 0.0852	0.61	-	0.12	97.2	-0.15
trans-1,2-Dichloroethene	µg/l	0.499	± 0.0904	0.46	-	0.131	92.1	-0.3
Tribromomethane	µg/l	3.6	± 0.291	3.49	-	0.411	97	-0.27
Trichloroethene	µg/l	1.56	± 0.186	1.5	-	0.291	96	-0.21
Trichloromethane	µg/l	6.75	± 0.531	6.61	-	0.771	98	-0.18

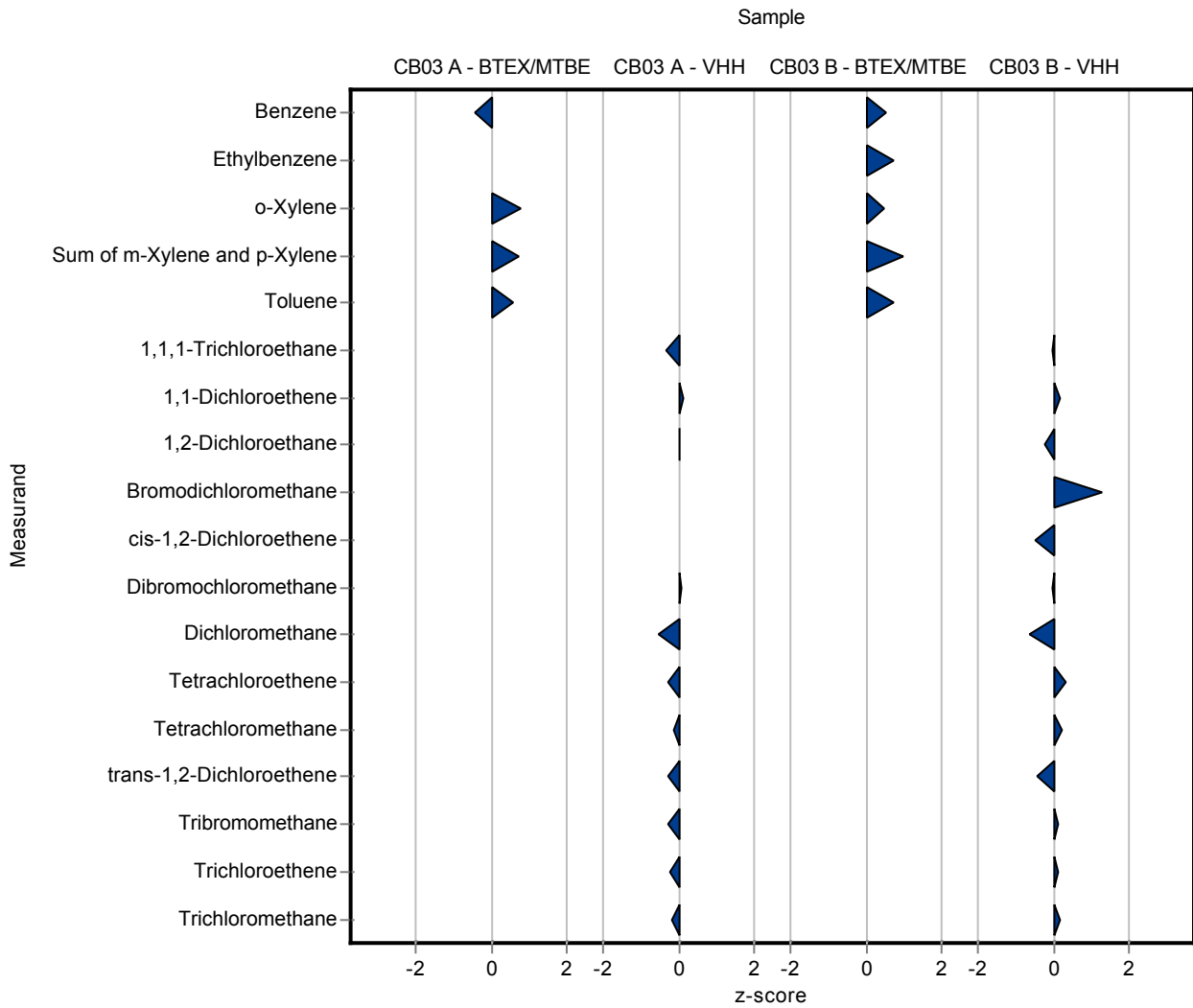
**Sample: CB03BBTX**

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
Benzene	µg/l	5.61	± 0.454	5.9	-	0.566	105	0.51
Ethylbenzene	µg/l	0.665	± 0.164	0.82	-	0.205	123	0.76
o-Xylene	µg/l	3.47	± 0.895	4.07	-	1.23	117	0.49
Sum of m-Xylene and p-Xylene	µg/l	4.1	± 0.219	4.32	-	0.219	105	0.99
Toluene	µg/l	5.59	± 1.89	7.45	-	2.52	133	0.74
Methyl-tert-butyl-ether	µg/l	3.6	± 0.614	-	-	0.614	-	-

**Sample: CB03BVHH**

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
1,1,1-Trichloroethane	µg/l	4.83	± 0.642	4.79	-	0.981	99.2	-0.04

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
1,1-Dichloroethene	µg/l	3.19	± 0.526	3.33	-	0.765	105	0.19
1,2-Dichloroethane	µg/l	4.53	± 0.5	4.36	-	0.763	96.2	-0.22
Bromodichloromethane	µg/l	3.64	± 0.155	3.91	-	0.207	108	1.32
cis-1,2-Dichloroethene	µg/l	2.28	± 0.153	2.17	-	0.216	95.2	-0.51
Dibromochloromethane	µg/l	7.77	± 0.699	7.74	-	1.01	99.6	-0.03
Dichloromethane	µg/l	5.09	± 0.563	4.56	-	0.818	89.5	-0.65
Tetrachloroethene	µg/l	1.3	± 0.151	1.37	-	0.236	106	0.31
Tetrachloromethane	µg/l	2.61	± 0.367	2.74	-	0.56	105	0.22
trans-1,2-Dichloroethene	µg/l	5.45	± 0.909	4.84	-	1.36	88.8	-0.45
Tribromomethane	µg/l	6.24	± 0.565	6.34	-	0.842	102	0.12
Trichloroethene	µg/l	5.72	± 0.642	5.84	-	1	102	0.12
Trichloromethane	µg/l	7.72	± 0.884	7.98	-	1.35	103	0.19



The following results were achieved:

**Sample: CB03ABTX**

Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
Benzene	µg/l	0.918 ± 0.0988	0.91	0.27	0.127	99.1	-0.06
Ethylbenzene	µg/l	- ± -	1.41	0.42	-	-	-
o-Xylene	µg/l	0.539 ± 0.0556	0.52	0.15	0.0669	96.6	-0.28
Sum of m-Xylene and p-Xylene	µg/l	1.77 ± 0.272	1.77	0.53	0.351	100	0.00
Toluene	µg/l	1.51 ± 0.242	1.76	0.53	0.323	117	0.79
Methyl-tert-butyl-ether	µg/l	1.13 ± 0.197	-	-	0.186	-	-

**Sample: CB03AVHH**

Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
1,1,1-Trichloroethane	µg/l	1.28 ± 0.175	1.42	0.43	0.267	111	0.51
1,1-Dichloroethene	µg/l	1.13 ± 0.167	1.57	0.47	0.237	139	1.87
1,2-Dichloroethane	µg/l	3.63 ± 0.376	3.56	1.07	0.56	98	-0.13
Bromodichloromethane	µg/l	- ± -	<0.4 (LOQ)	-	-	-	-
cis-1,2-Dichloroethene	µg/l	- ± -	<0.4 (LOQ)	-	-	-	-
Dibromochloromethane	µg/l	1.86 ± 0.205	1.11	0.33	0.306	59.8	-2.44
Dichloromethane	µg/l	2.85 ± 0.381	3.22	0.96	0.553	113	0.68
Tetrachloroethene	µg/l	7.59 ± 0.775	8.05	2.41	1.24	106	0.37
Tetrachloromethane	µg/l	0.628 ± 0.0852	0.68	0.2	0.12	108	0.43
trans-1,2-Dichloroethene	µg/l	0.499 ± 0.0904	0.6	0.18	0.131	120	0.77
Tribromomethane	µg/l	3.6 ± 0.291	1.83	0.55	0.411	50.8	-4.31
Trichloroethene	µg/l	1.56 ± 0.186	1.73	0.52	0.291	111	0.58
Trichloromethane	µg/l	6.75 ± 0.531	7.02	1.2	0.771	104	0.35

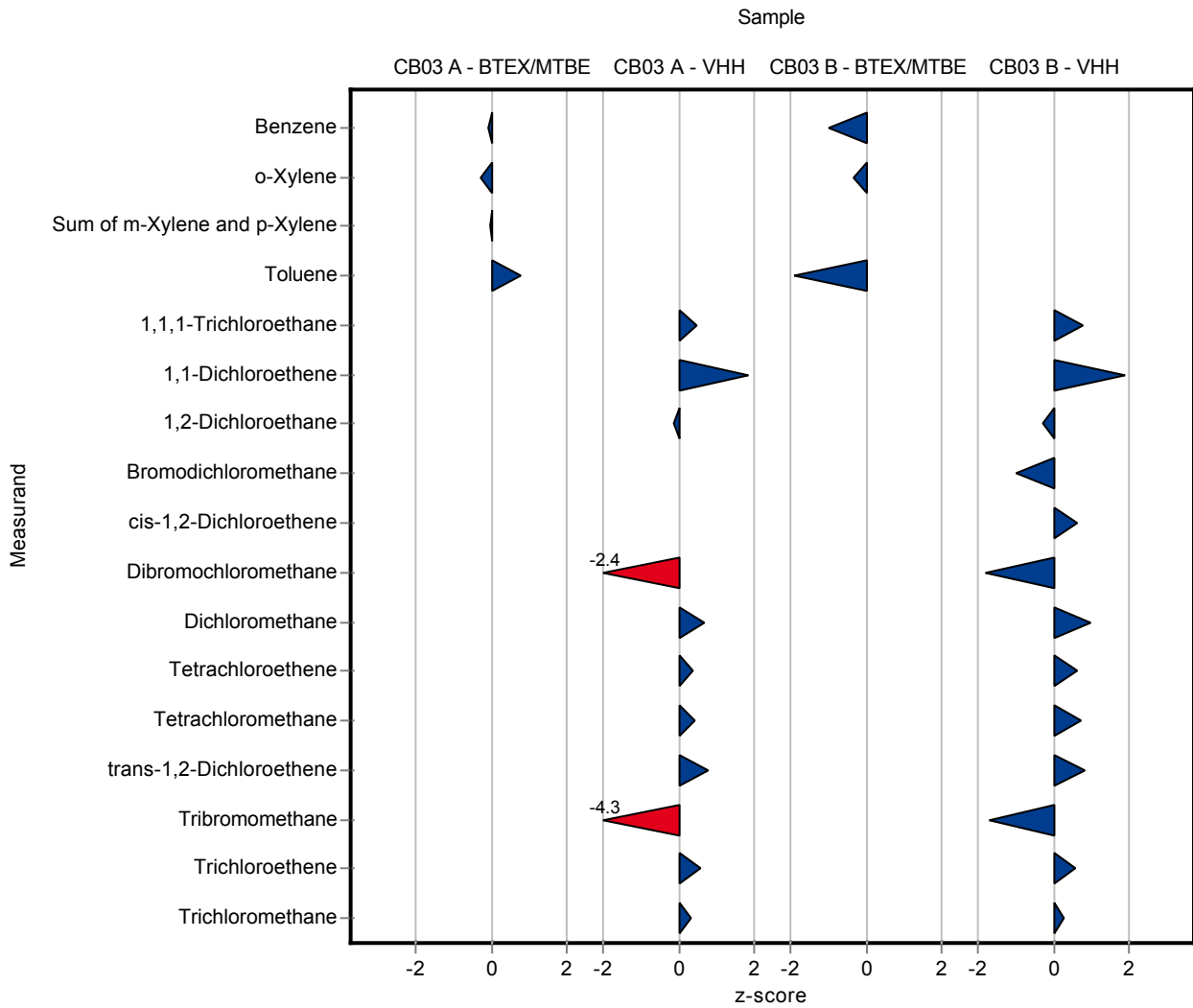
**Sample: CB03BBTX**

Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
Benzene	µg/l	5.61 ± 0.454	5.06	1.51	0.566	90.2	-0.97
Ethylbenzene	µg/l	0.665 ± 0.164	<0.4 (LOQ)	-	0.205	-	-
o-Xylene	µg/l	3.47 ± 0.895	3.07	0.92	1.23	88.5	-0.32
Sum of m-Xylene and p-Xylene	µg/l	4.1 ± 0.219	<0.8 (LOQ)	-	0.219	-	-
Toluene	µg/l	5.59 ± 1.89	0.77	0.23	2.52	13.8	-1.91
Methyl-tert-butyl-ether	µg/l	3.6 ± 0.614	-	-	0.614	-	-

**Sample: CB03BVHH**

Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
1,1,1-Trichloroethane	µg/l	4.83 ± 0.642	5.63	1.69	0.981	117	0.82

Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
1,1-Dichloroethene	µg/l	3.19 ± 0.526	4.66	1.4	0.765	146	1.93
1,2-Dichloroethane	µg/l	4.53 ± 0.5	4.3	1.29	0.763	94.9	-0.3
Bromodichloromethane	µg/l	3.64 ± 0.155	3.43	1.03	0.207	94.3	-1
cis-1,2-Dichloroethene	µg/l	2.28 ± 0.153	2.42	0.73	0.216	106	0.65
Dibromochloromethane	µg/l	7.77 ± 0.699	5.96	1.79	1.01	76.7	-1.79
Dichloromethane	µg/l	5.09 ± 0.563	5.91	1.77	0.818	116	1
Tetrachloroethene	µg/l	1.3 ± 0.151	1.45	0.44	0.236	112	0.65
Tetrachloromethane	µg/l	2.61 ± 0.367	3.03	0.91	0.56	116	0.74
trans-1,2-Dichloroethene	µg/l	5.45 ± 0.909	6.59	1.98	1.36	121	0.84
Tribromomethane	µg/l	6.24 ± 0.565	4.78	1.43	0.842	76.6	-1.73
Trichloroethene	µg/l	5.72 ± 0.642	6.32	1.9	1	110	0.59
Trichloromethane	µg/l	7.72 ± 0.884	8.11	2.4	1.35	105	0.29



The following results were achieved:

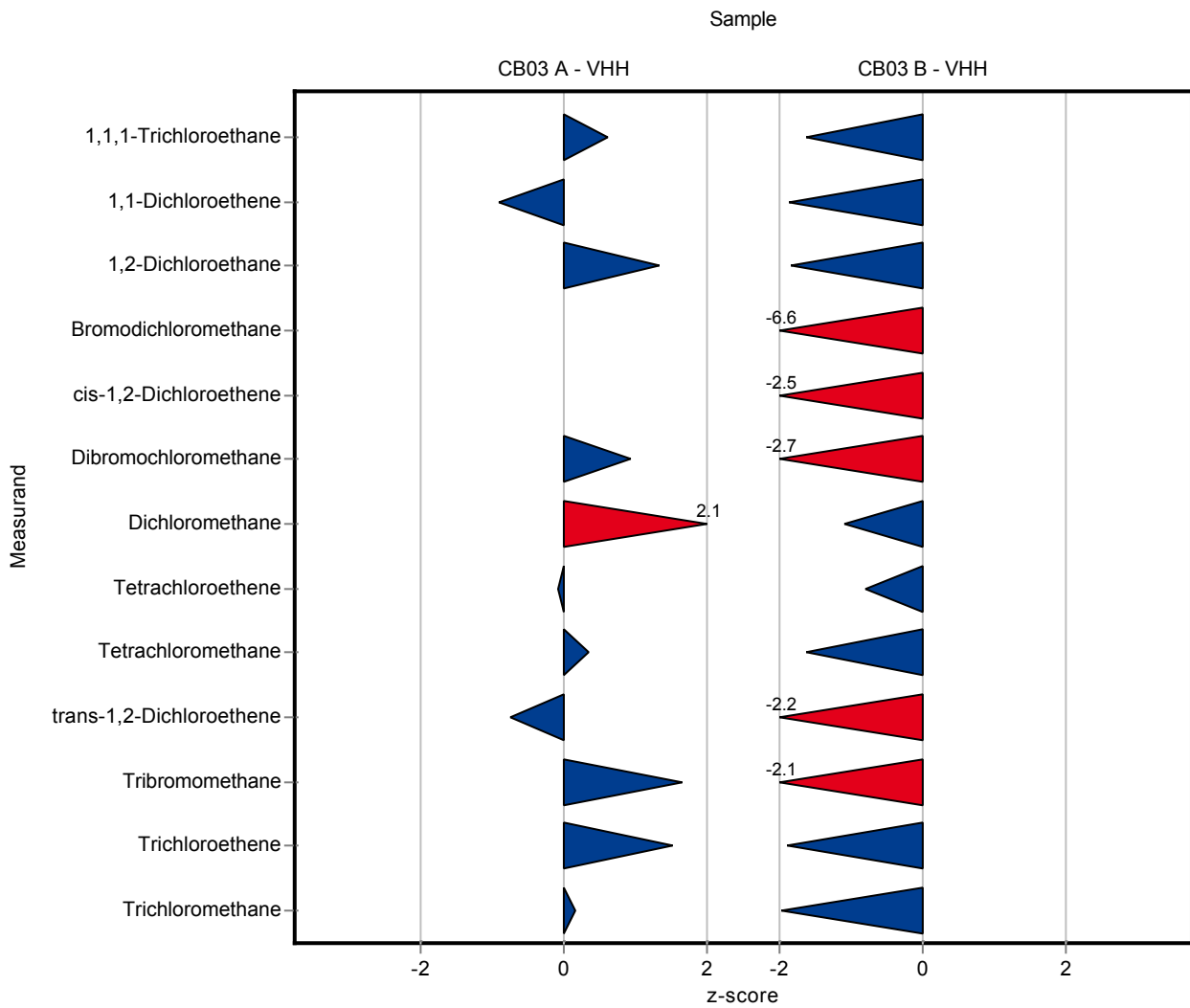
Sample: CB03AVHH

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
1,1,1-Trichloroethane	µg/l	1.28	± 0.175	1.45	0.06	0.267	113	0.62
1,1-Dichloroethene	µg/l	1.13	± 0.167	0.91	0.09	0.237	80.7	-0.92
1,2-Dichloroethane	µg/l	3.63	± 0.376	4.38	0.15	0.56	121	1.34
Bromodichloromethane	µg/l	-	± -	<0.07 (LOQ)	-	-	-	-
cis-1,2-Dichloroethene	µg/l	-	± -	<0.55 (LOQ)	-	-	-	-
Dibromochloromethane	µg/l	1.86	± 0.205	2.14	0.08	0.306	115	0.92
Dichloromethane	µg/l	2.85	± 0.381	4	0.17	0.553	141	2.09
Tetrachloroethene	µg/l	7.59	± 0.775	7.5	0.22	1.24	98.8	-0.07
Tetrachloromethane	µg/l	0.628	± 0.0852	0.67	0.04	0.12	107	0.35
trans-1,2-Dichloroethene	µg/l	0.499	± 0.0904	0.4	0.02	0.131	80.1	-0.76
Tribromomethane	µg/l	3.6	± 0.291	4.28	0.13	0.411	119	1.66
Trichloroethene	µg/l	1.56	± 0.186	2	0.08	0.291	128	1.5
Trichloromethane	µg/l	6.75	± 0.531	6.88	0.19	0.771	102	0.17

Sample: CB03BVHH

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
1,1,1-Trichloroethane	µg/l	4.83	± 0.642	3.24	0.29	0.981	67.1	-1.62
1,1-Dichloroethene	µg/l	3.19	± 0.526	1.77	0.19	0.765	55.6	-1.85
1,2-Dichloroethane	µg/l	4.53	± 0.5	3.13	0.45	0.763	69.1	-1.83
Bromodichloromethane	µg/l	3.64	± 0.155	2.27	0.24	0.207	62.4	-6.6
cis-1,2-Dichloroethene	µg/l	2.28	± 0.153	1.75	0.22	0.216	76.8	-2.45
Dibromochloromethane	µg/l	7.77	± 0.699	5.03	0.17	1.01	64.7	-2.7
Dichloromethane	µg/l	5.09	± 0.563	4.19	0.42	0.818	82.3	-1.1
Tetrachloroethene	µg/l	1.3	± 0.151	1.11	0.11	0.236	85.6	-0.79
Tetrachloromethane	µg/l	2.61	± 0.367	1.71	0.14	0.56	65.4	-1.62
trans-1,2-Dichloroethene	µg/l	5.45	± 0.909	2.41	0.27	1.36	44.2	-2.24
Tribromomethane	µg/l	6.24	± 0.565	4.49	0.16	0.842	72	-2.07
Trichloroethene	µg/l	5.72	± 0.642	3.82	0.39	1	66.7	-1.89
Trichloromethane	µg/l	7.72	± 0.884	5.07	0.23	1.35	65.6	-1.97





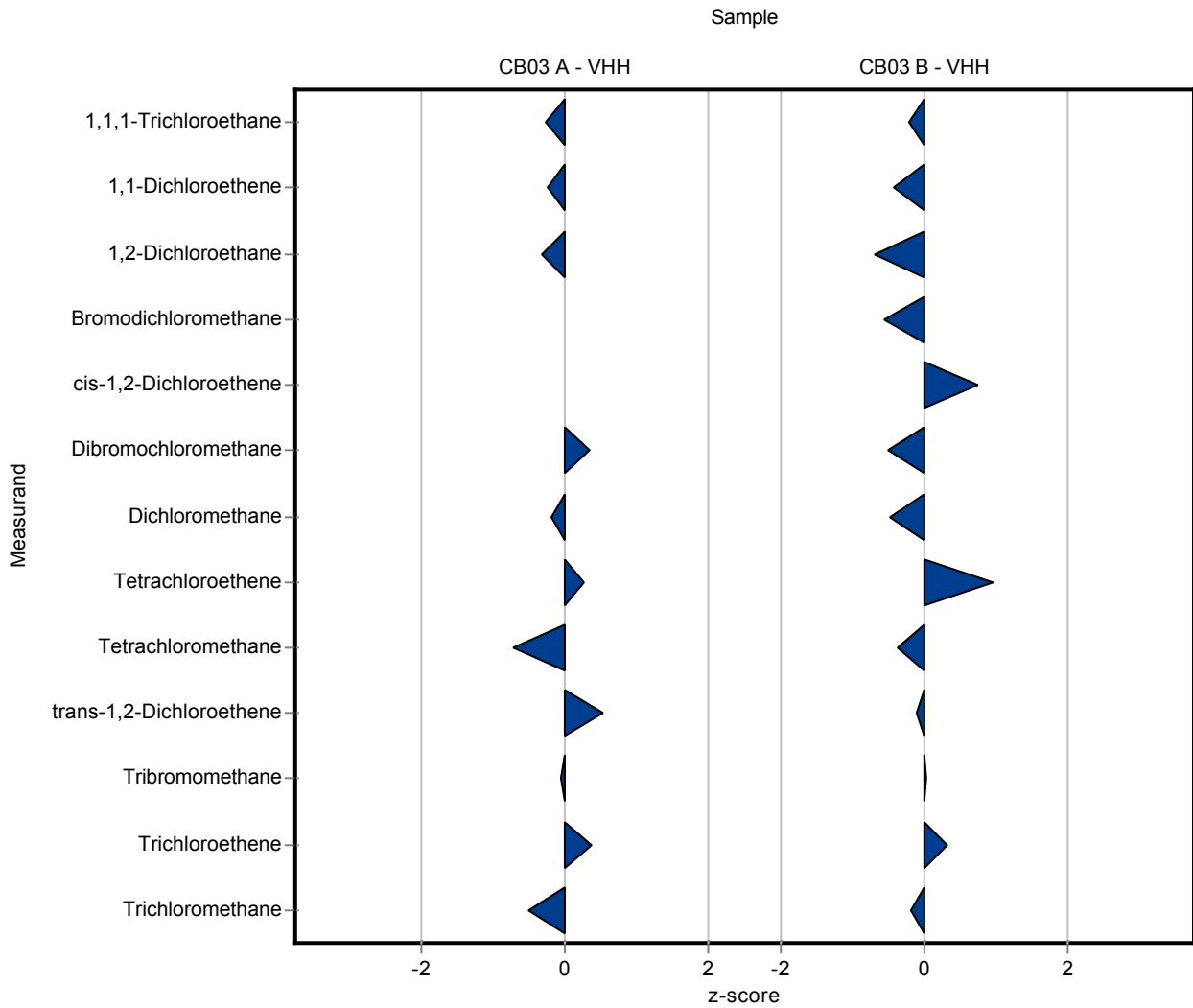
The following results were achieved:

Sample: CB03AVHH

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
1,1,1-Trichloroethane	µg/l	1.28	± 0.175	1.21	0.24	0.267	94.2	-0.28
1,1-Dichloroethene	µg/l	1.13	± 0.167	1.07	0.21	0.237	94.9	-0.24
1,2-Dichloroethane	µg/l	3.63	± 0.376	3.45	0.69	0.56	95	-0.32
Bromodichloromethane	µg/l	-	± -	<0.045 (LOQ)	-	-	-	-
cis-1,2-Dichloroethene	µg/l	-	± -	<0.06 (LOQ)	-	-	-	-
Dibromochloromethane	µg/l	1.86	± 0.205	1.96	0.39	0.306	106	0.34
Dichloromethane	µg/l	2.85	± 0.381	2.75	0.55	0.553	96.6	-0.17
Tetrachloroethene	µg/l	7.59	± 0.775	7.93	1.59	1.24	105	0.28
Tetrachloromethane	µg/l	0.628	± 0.0852	0.54	0.11	0.12	86	-0.73
trans-1,2-Dichloroethene	µg/l	0.499	± 0.0904	0.57	0.11	0.131	114	0.54
Tribromomethane	µg/l	3.6	± 0.291	3.58	0.72	0.411	99.5	-0.05
Trichloroethene	µg/l	1.56	± 0.186	1.67	0.33	0.291	107	0.37
Trichloromethane	µg/l	6.75	± 0.531	6.35	1.27	0.771	94.1	-0.52

Sample: CB03BVHH

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
1,1,1-Trichloroethane	µg/l	4.83	± 0.642	4.62	0.92	0.981	95.7	-0.21
1,1-Dichloroethene	µg/l	3.19	± 0.526	2.86	0.57	0.765	89.8	-0.43
1,2-Dichloroethane	µg/l	4.53	± 0.5	4.01	0.8	0.763	88.5	-0.68
Bromodichloromethane	µg/l	3.64	± 0.155	3.52	0.7	0.207	96.8	-0.57
cis-1,2-Dichloroethene	µg/l	2.28	± 0.153	2.44	0.49	0.216	107	0.74
Dibromochloromethane	µg/l	7.77	± 0.699	7.27	1.45	1.01	93.5	-0.5
Dichloromethane	µg/l	5.09	± 0.563	4.7	0.94	0.818	92.3	-0.48
Tetrachloroethene	µg/l	1.3	± 0.151	1.52	0.3	0.236	117	0.95
Tetrachloromethane	µg/l	2.61	± 0.367	2.4	0.48	0.56	91.8	-0.38
trans-1,2-Dichloroethene	µg/l	5.45	± 0.909	5.3	1.06	1.36	97.2	-0.11
Tribromomethane	µg/l	6.24	± 0.565	6.27	1.25	0.842	101	0.04
Trichloroethene	µg/l	5.72	± 0.642	6.04	1.21	1	106	0.32
Trichloromethane	µg/l	7.72	± 0.884	7.46	1.49	1.35	96.6	-0.2



The following results were achieved:

**Sample: CB03ABTX**

Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
Benzene	µg/l	0.918 ± 0.0988	0.73	0.07	0.127	79.5	-1.47
Ethylbenzene	µg/l	- ± -	<0.1 (LOQ)	-	-	-	-
o-Xylene	µg/l	0.539 ± 0.0556	0.49	0.05	0.0669	91	-0.73
Sum of m-Xylene and p-Xylene	µg/l	1.77 ± 0.272	1.58	0.02	0.351	89.2	-0.54
Toluene	µg/l	1.51 ± 0.242	1.43	0.1	0.323	95	-0.23
Methyl-tert-butyl-ether	µg/l	1.13 ± 0.197	0.94	0.09	0.186	83.3	-1.01

**Sample: CB03AVHH**

Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
1,1,1-Trichloroethane	µg/l	1.28 ± 0.175	1.16	0.1	0.267	90.3	-0.47
1,1-Dichloroethene	µg/l	1.13 ± 0.167	1.16	0.1	0.237	103	0.14
1,2-Dichloroethane	µg/l	3.63 ± 0.376	3.34	0.3	0.56	92	-0.52
Bromodichloromethane	µg/l	- ± -	<0.08 (LOQ)	-	-	-	-
cis-1,2-Dichloroethene	µg/l	- ± -	<0.2 (LOQ)	-	-	-	-
Dibromochloromethane	µg/l	1.86 ± 0.205	1.76	0.2	0.306	94.8	-0.32
Dichloromethane	µg/l	2.85 ± 0.381	2.63	0.3	0.553	92.4	-0.39
Tetrachloroethene	µg/l	7.59 ± 0.775	7.45	0.7	1.24	98.2	-0.11
Tetrachloromethane	µg/l	0.628 ± 0.0852	0.62	0.06	0.12	98.8	-0.06
trans-1,2-Dichloroethene	µg/l	0.499 ± 0.0904	0.48	0.05	0.131	96.1	-0.15
Tribromomethane	µg/l	3.6 ± 0.291	3.11	0.3	0.411	86.4	-1.19
Trichloroethene	µg/l	1.56 ± 0.186	1.41	0.1	0.291	90.3	-0.52
Trichloromethane	µg/l	6.75 ± 0.531	6.77	0.7	0.771	100	0.03

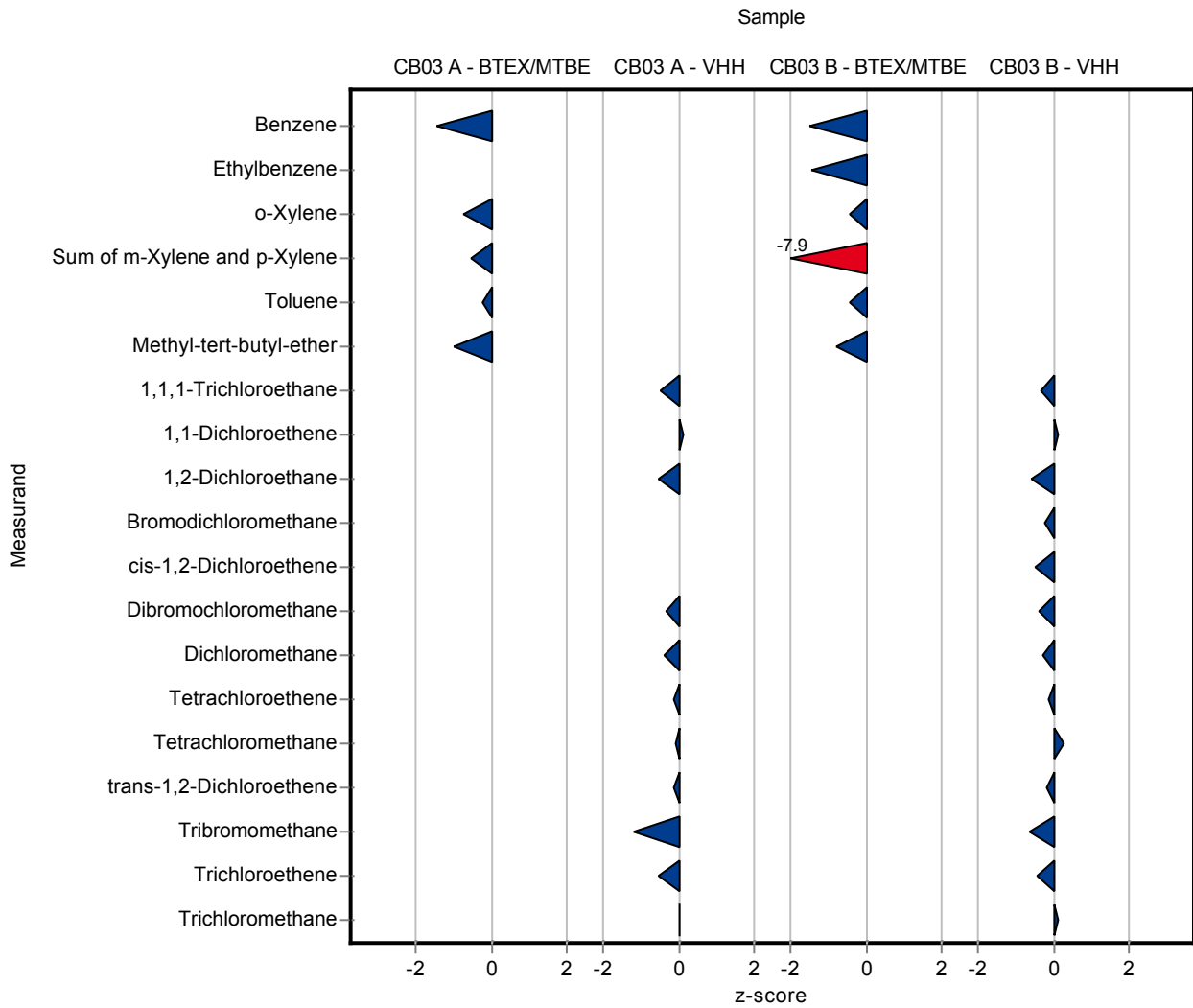
**Sample: CB03BBTX**

Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
Benzene	µg/l	5.61 ± 0.454	4.76	0.5	0.566	84.8	-1.5
Ethylbenzene	µg/l	0.665 ± 0.164	0.37	0.04	0.205	55.7	-1.44
o-Xylene	µg/l	3.47 ± 0.895	2.96	0.3	1.23	85.4	-0.41
Sum of m-Xylene and p-Xylene	µg/l	4.1 ± 0.219	2.37	0.2	0.219	57.8	-7.9
Toluene	µg/l	5.59 ± 1.89	4.49	0.4	2.52	80.3	-0.44
Methyl-tert-butyl-ether	µg/l	3.6 ± 0.614	3.12	0.3	0.614	86.7	-0.78

**Sample: CB03BVHH**

Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
1,1,1-Trichloroethane	µg/l	4.83 ± 0.642	4.49	0.4	0.981	93	-0.35

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
1,1-Dichloroethene	µg/l	3.19	± 0.526	3.27	0.3	0.765	103	0.11
1,2-Dichloroethane	µg/l	4.53	± 0.5	4.08	0.4	0.763	90.1	-0.59
Bromodichloromethane	µg/l	3.64	± 0.155	3.59	0.4	0.207	98.7	-0.23
cis-1,2-Dichloroethene	µg/l	2.28	± 0.153	2.17	0.2	0.216	95.2	-0.51
Dibromochloromethane	µg/l	7.77	± 0.699	7.38	0.7	1.01	94.9	-0.39
Dichloromethane	µg/l	5.09	± 0.563	4.88	0.5	0.818	95.8	-0.26
Tetrachloroethene	µg/l	1.3	± 0.151	1.27	0.1	0.236	98	-0.11
Tetrachloromethane	µg/l	2.61	± 0.367	2.76	0.3	0.56	106	0.26
trans-1,2-Dichloroethene	µg/l	5.45	± 0.909	5.22	0.5	1.36	95.8	-0.17
Tribromomethane	µg/l	6.24	± 0.565	5.71	0.6	0.842	91.5	-0.63
Trichloroethene	µg/l	5.72	± 0.642	5.29	0.5	1	92.4	-0.43
Trichloromethane	µg/l	7.72	± 0.884	7.9	0.8	1.35	102	0.13



The following results were achieved:

**Sample: CB03ABTX**

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
Benzene	µg/l	0.918	± 0.0988	1.08	0.32	0.127	118	1.27
Ethylbenzene	µg/l	-	± -	<0.1 (LOQ)	-	-	-	-
o-Xylene	µg/l	0.539	± 0.0556	0.59	0.18	0.0669	110	0.77
Sum of m-Xylene and p-Xylene	µg/l	1.77	± 0.272	2.09	0.63	0.351	118	0.91
Toluene	µg/l	1.51	± 0.242	1.99	0.6	0.323	132	1.5
Methyl-tert-butyl-ether	µg/l	1.13	± 0.197	1.4	0.42	0.186	124	1.46

**Sample: CB03AVHH**

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
1,1,1-Trichloroethane	µg/l	1.28	± 0.175	1.71	0.51	0.267	133	1.59
1,1-Dichloroethene	µg/l	1.13	± 0.167	2.24	0.67	0.237	199	4.7
1,2-Dichloroethane	µg/l	3.63	± 0.376	3.69	1.11	0.56	102	0.1
Bromodichloromethane	µg/l	-	± -	<0.1 (LOQ)	-	-	-	-
cis-1,2-Dichloroethene	µg/l	-	± -	<0.1 (LOQ)	-	-	-	-
Dibromochloromethane	µg/l	1.86	± 0.205	2.19	0.66	0.306	118	1.09
Dichloromethane	µg/l	2.85	± 0.381	3.29	0.98	0.553	116	0.8
Tetrachloroethene	µg/l	7.59	± 0.775	8.19	2.46	1.24	108	0.49
Tetrachloromethane	µg/l	0.628	± 0.0852	0.85	0.26	0.12	135	1.85
trans-1,2-Dichloroethene	µg/l	0.499	± 0.0904	0.76	0.23	0.131	152	1.98
Tribromomethane	µg/l	3.6	± 0.291	3.64	1.09	0.411	101	0.1
Trichloroethene	µg/l	1.56	± 0.186	2.1	0.63	0.291	134	1.85
Trichloromethane	µg/l	6.75	± 0.531	7.34	2.2	0.771	109	0.77

**Sample: CB03BBTX**

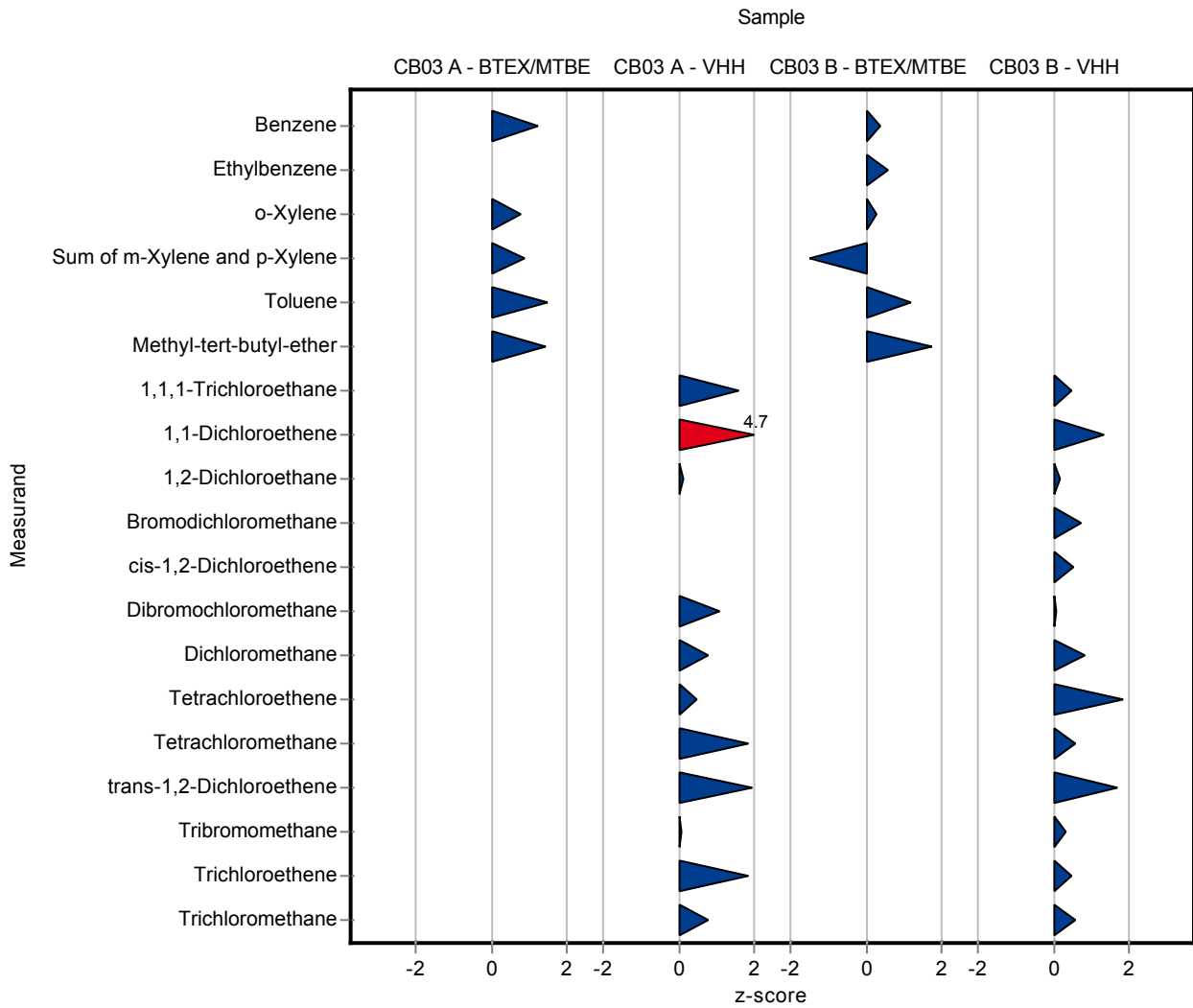
Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
Benzene	µg/l	5.61	± 0.454	5.82	1.75	0.566	104	0.37
Ethylbenzene	µg/l	0.665	± 0.164	0.79	0.24	0.205	119	0.61
o-Xylene	µg/l	3.47	± 0.895	3.81	1.14	1.23	110	0.28
Sum of m-Xylene and p-Xylene	µg/l	4.1	± 0.219	3.77	1.13	0.219	91.9	-1.51
Toluene	µg/l	5.59	± 1.89	8.57	2.57	2.52	153	1.18
Methyl-tert-butyl-ether	µg/l	3.6	± 0.614	4.68	1.4	0.614	130	1.76

**Sample: CB03BVHH**

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
1,1,1-Trichloroethane	µg/l	4.83	± 0.642	5.3	1.59	0.981	110	0.48

Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
1,1-Dichloroethene	µg/l	3.19 ± 0.526	4.23	1.27	0.765	133	1.37
1,2-Dichloroethane	µg/l	4.53 ± 0.5	4.65	1.39	0.763	103	0.16
Bromodichloromethane	µg/l	3.64 ± 0.155	3.79	1.14	0.207	104	0.74
cis-1,2-Dichloroethene	µg/l	2.28 ± 0.153	2.4	0.72	0.216	105	0.56
Dibromochloromethane	µg/l	7.77 ± 0.699	7.84	2.35	1.01	101	0.06
Dichloromethane	µg/l	5.09 ± 0.563	5.8	1.74	0.818	114	0.86
Tetrachloroethene	µg/l	1.3 ± 0.151	1.73	0.52	0.236	133	1.84
Tetrachloromethane	µg/l	2.61 ± 0.367	2.94	0.88	0.56	112	0.58
trans-1,2-Dichloroethene	µg/l	5.45 ± 0.909	7.78	2.33	1.36	143	1.72
Tribromomethane	µg/l	6.24 ± 0.565	6.52	1.96	0.842	105	0.34
Trichloroethene	µg/l	5.72 ± 0.642	6.19	1.86	1	108	0.47
Trichloromethane	µg/l	7.72 ± 0.884	8.5	2.55	1.35	110	0.57





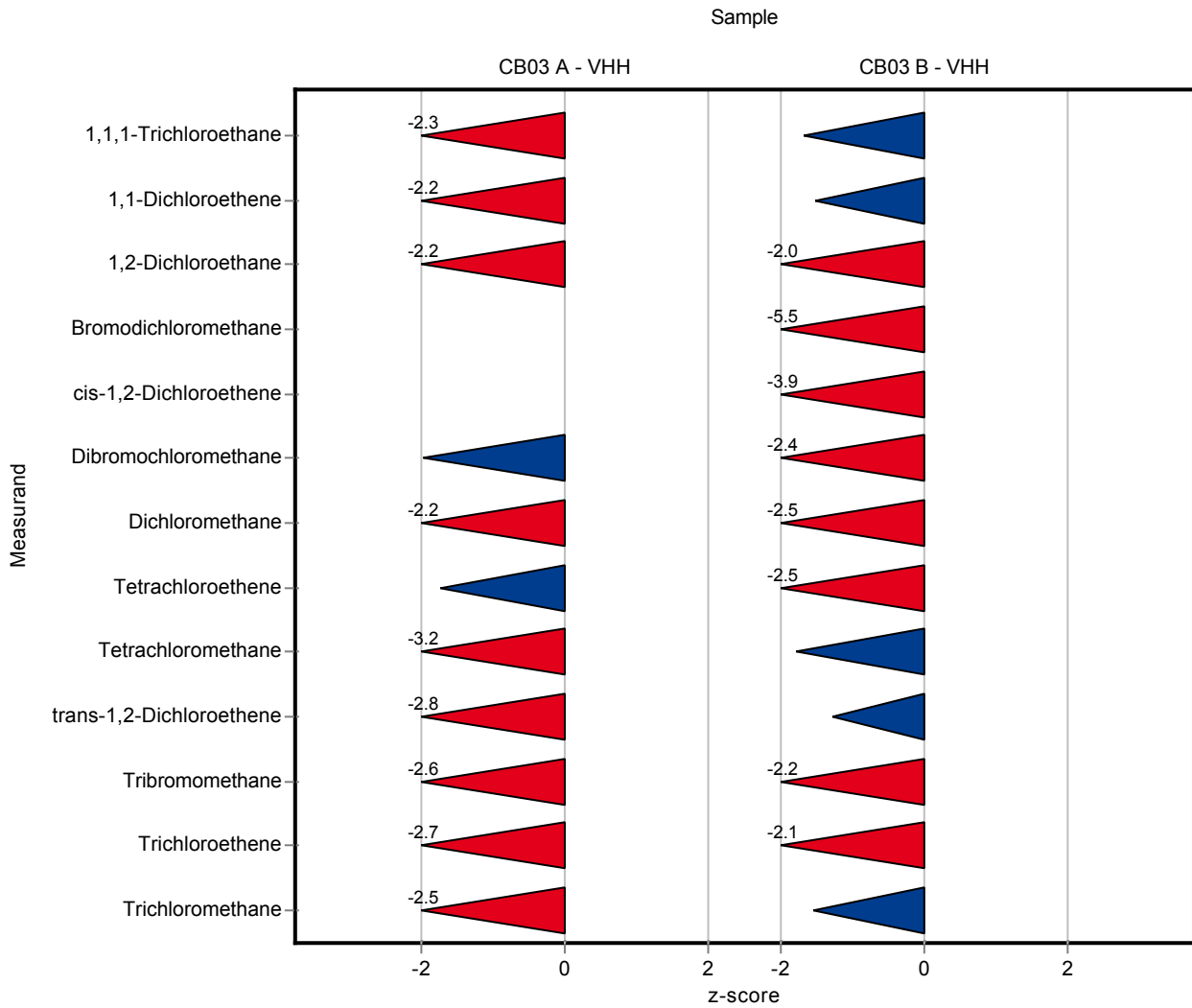
The following results were achieved:

Sample: CB03AVHH

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
1,1,1-Trichloroethane	µg/l	1.28	± 0.175	0.673	0.024	0.267	52.4	-2.29
1,1-Dichloroethene	µg/l	1.13	± 0.167	0.602	0.01	0.237	53.4	-2.22
1,2-Dichloroethane	µg/l	3.63	± 0.376	2.377	0.022	0.56	65.5	-2.24
Bromodichloromethane	µg/l	-	± -	<0.05 (LOQ)	-	-	-	-
cis-1,2-Dichloroethene	µg/l	-	± -	<0.05 (LOQ)	-	-	-	-
Dibromochloromethane	µg/l	1.86	± 0.205	1.255	0.06	0.306	67.6	-1.97
Dichloromethane	µg/l	2.85	± 0.381	1.631	0.052	0.553	57.3	-2.2
Tetrachloroethene	µg/l	7.59	± 0.775	5.435	0.264	1.24	71.6	-1.74
Tetrachloromethane	µg/l	0.628	± 0.0852	0.242	0.017	0.12	38.6	-3.2
trans-1,2-Dichloroethene	µg/l	0.499	± 0.0904	0.135	0.011	0.131	27	-2.77
Tribromomethane	µg/l	3.6	± 0.291	2.534	0.103	0.411	70.4	-2.59
Trichloroethene	µg/l	1.56	± 0.186	0.763	0.024	0.291	48.8	-2.74
Trichloromethane	µg/l	6.75	± 0.531	4.786	0.162	0.771	70.9	-2.54

Sample: CB03BVHH

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
1,1,1-Trichloroethane	µg/l	4.83	± 0.642	3.182	0.325	0.981	65.9	-1.68
1,1-Dichloroethene	µg/l	3.19	± 0.526	2.02	0.205	0.765	63.4	-1.53
1,2-Dichloroethane	µg/l	4.53	± 0.5	2.979	0.264	0.763	65.8	-2.03
Bromodichloromethane	µg/l	3.64	± 0.155	2.496	0.192	0.207	68.6	-5.51
cis-1,2-Dichloroethene	µg/l	2.28	± 0.153	1.429	0.148	0.216	62.7	-3.94
Dibromochloromethane	µg/l	7.77	± 0.699	5.328	0.43	1.01	68.5	-2.41
Dichloromethane	µg/l	5.09	± 0.563	3.011	0.268	0.818	59.1	-2.54
Tetrachloroethene	µg/l	1.3	± 0.151	0.707	0.078	0.236	54.5	-2.5
Tetrachloromethane	µg/l	2.61	± 0.367	1.613	0.136	0.56	61.7	-1.79
trans-1,2-Dichloroethene	µg/l	5.45	± 0.909	3.718	0.389	1.36	68.2	-1.28
Tribromomethane	µg/l	6.24	± 0.565	4.426	0.396	0.842	71	-2.15
Trichloroethene	µg/l	5.72	± 0.642	3.569	0.588	1	62.4	-2.14
Trichloromethane	µg/l	7.72	± 0.884	5.626	0.492	1.35	72.8	-1.55



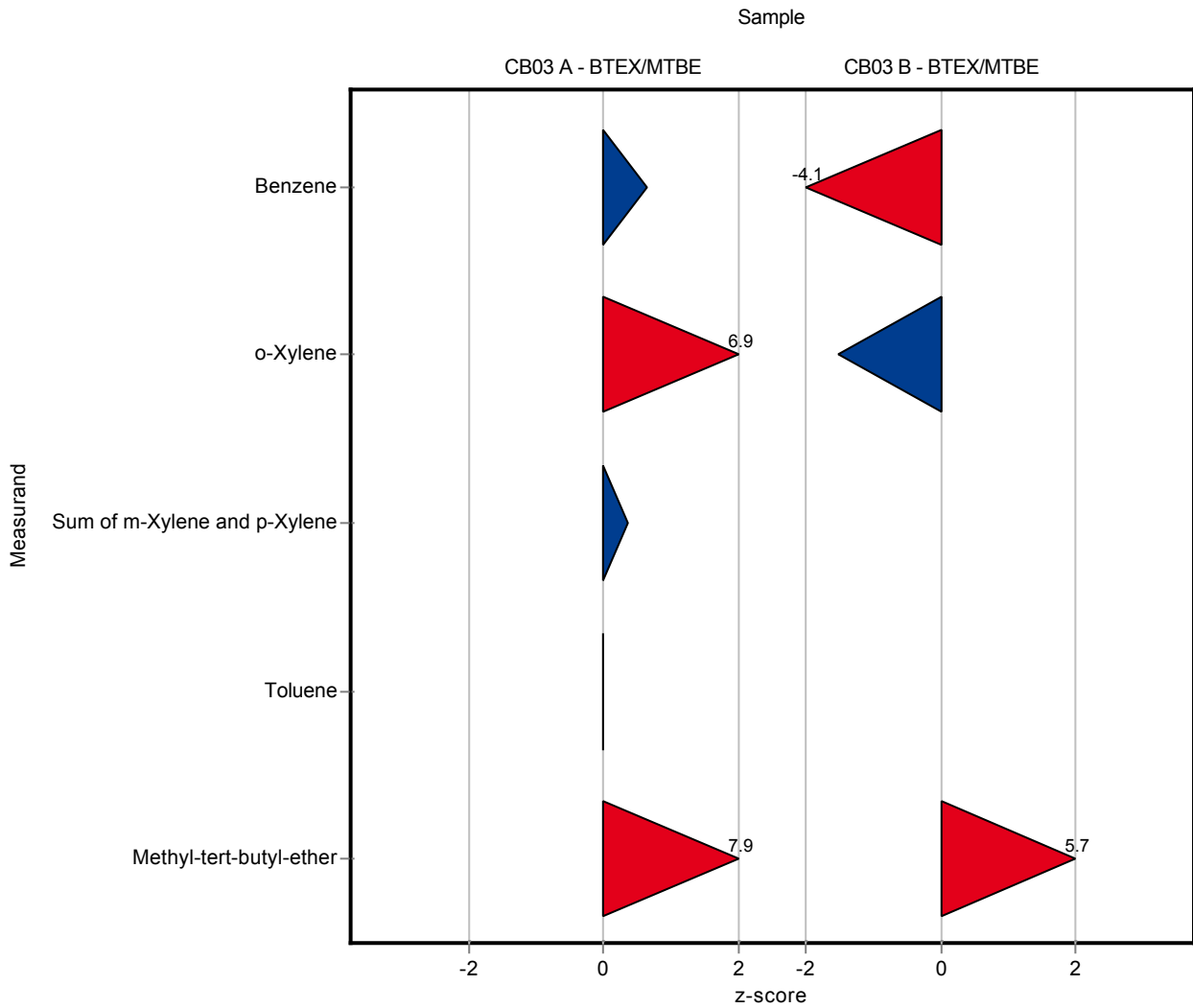
The following results were achieved:

Sample: CB03ABTX

Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
Benzene	µg/l	0.918 ± 0.0988	1	-	0.127	109	0.64
Ethylbenzene	µg/l	- ± -	<1 (LOQ)	-	-	-	-
o-Xylene	µg/l	0.539 ± 0.0556	1	-	0.0669	186	6.9
Sum of m-Xylene and p-Xylene	µg/l	1.77 ± 0.272	1.9	-	0.351	107	0.37
Toluene	µg/l	1.51 ± 0.242	1.5	-	0.323	99.6	-0.02
Methyl-tert-butyl-ether	µg/l	1.13 ± 0.197	2.6	-	0.186	230	7.91

Sample: CB03BBTX

Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
Benzene	µg/l	5.61 ± 0.454	3.3	-	0.566	58.8	-4.08
Ethylbenzene	µg/l	0.665 ± 0.164	<1 (LOQ)	-	0.205	-	-
o-Xylene	µg/l	3.47 ± 0.895	1.6	-	1.23	46.1	-1.52
Sum of m-Xylene and p-Xylene	µg/l	4.1 ± 0.219	<1 (LOQ)	-	0.219	-	-
Toluene	µg/l	5.59 ± 1.89	<1 (LOQ)	-	2.52	-	-
Methyl-tert-butyl-ether	µg/l	3.6 ± 0.614	7.1	-	0.614	197	5.7



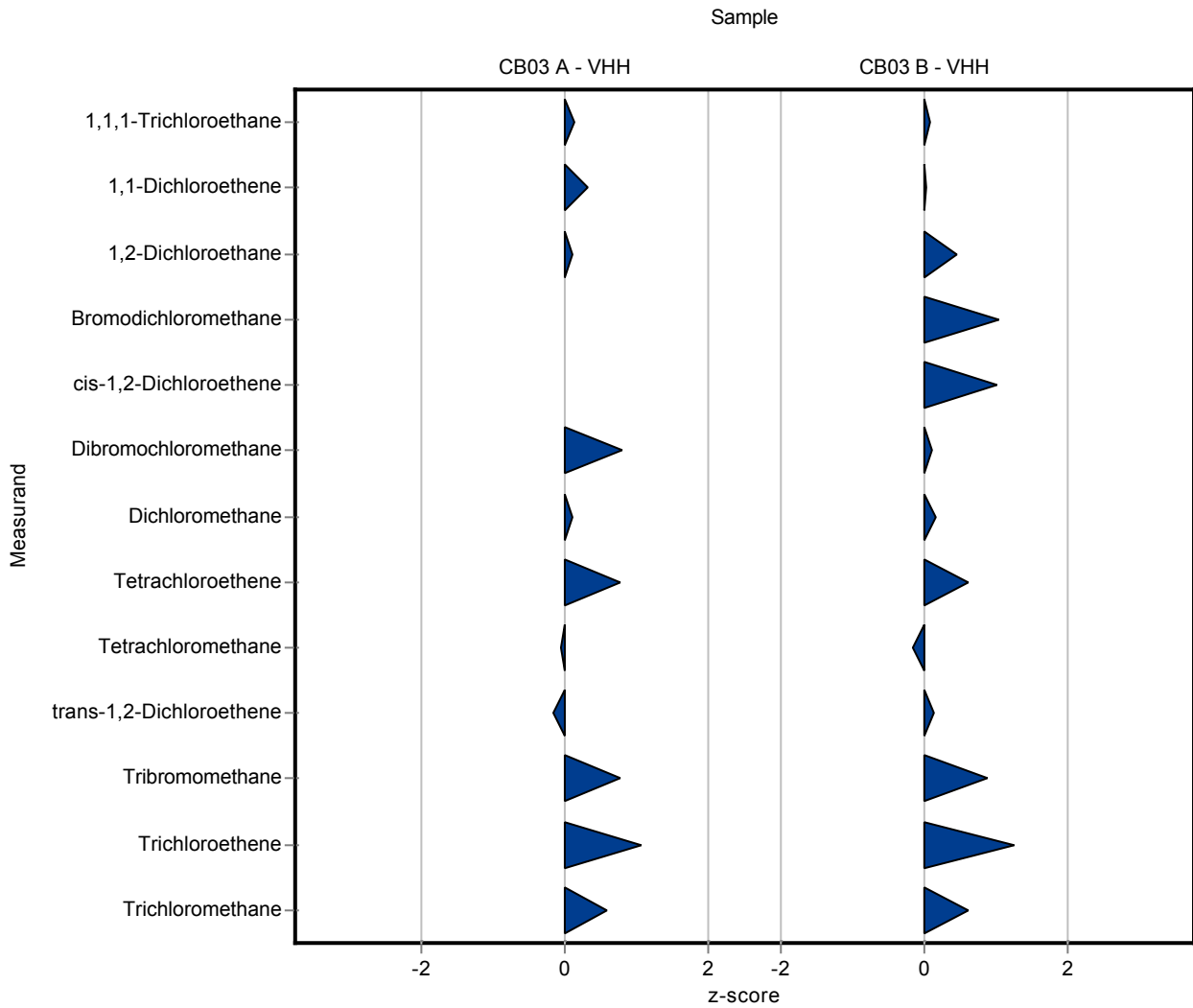
The following results were achieved:

Sample: CB03AVHH

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
1,1,1-Trichloroethane	µg/l	1.28	± 0.175	1.32	0.2	0.267	103	0.13
1,1-Dichloroethene	µg/l	1.13	± 0.167	1.2	0.18	0.237	106	0.31
1,2-Dichloroethane	µg/l	3.63	± 0.376	3.69	0.55	0.56	102	0.1
Bromodichloromethane	µg/l	-	± -	<0.1 (LOQ)	-	-	-	-
cis-1,2-Dichloroethene	µg/l	-	± -	<0.5 (LOQ)	-	-	-	-
Dibromochloromethane	µg/l	1.86	± 0.205	2.1	0.32	0.306	113	0.79
Dichloromethane	µg/l	2.85	± 0.381	2.9	0.44	0.553	102	0.1
Tetrachloroethene	µg/l	7.59	± 0.775	8.54	1.28	1.24	113	0.77
Tetrachloromethane	µg/l	0.628	± 0.0852	0.62	0.09	0.12	98.8	-0.06
trans-1,2-Dichloroethene	µg/l	0.499	± 0.0904	0.48	0.07	0.131	96.1	-0.15
Tribromomethane	µg/l	3.6	± 0.291	3.92	0.59	0.411	109	0.78
Trichloroethene	µg/l	1.56	± 0.186	1.87	0.28	0.291	120	1.06
Trichloromethane	µg/l	6.75	± 0.531	7.19	1.08	0.771	107	0.57

Sample: CB03BVHH

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
1,1,1-Trichloroethane	µg/l	4.83	± 0.642	4.9	0.74	0.981	101	0.07
1,1-Dichloroethene	µg/l	3.19	± 0.526	3.21	0.48	0.765	101	0.03
1,2-Dichloroethane	µg/l	4.53	± 0.5	4.88	0.73	0.763	108	0.46
Bromodichloromethane	µg/l	3.64	± 0.155	3.85	0.58	0.207	106	1.03
cis-1,2-Dichloroethene	µg/l	2.28	± 0.153	2.5	0.38	0.216	110	1.02
Dibromochloromethane	µg/l	7.77	± 0.699	7.88	1.18	1.01	101	0.1
Dichloromethane	µg/l	5.09	± 0.563	5.22	0.78	0.818	102	0.16
Tetrachloroethene	µg/l	1.3	± 0.151	1.44	0.22	0.236	111	0.61
Tetrachloromethane	µg/l	2.61	± 0.367	2.52	0.38	0.56	96.4	-0.17
trans-1,2-Dichloroethene	µg/l	5.45	± 0.909	5.62	0.84	1.36	103	0.13
Tribromomethane	µg/l	6.24	± 0.565	6.98	1.04	0.842	112	0.88
Trichloroethene	µg/l	5.72	± 0.642	6.98	1.05	1	122	1.25
Trichloromethane	µg/l	7.72	± 0.884	8.55	1.28	1.35	111	0.61



The following results were achieved:

**Sample: CB03ABTX**

Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
Benzene	µg/l	0.918 ± 0.0988	0.89	0.2	0.127	96.9	-0.22
Ethylbenzene	µg/l	- ± -	<0.1 (LOQ)	-	-	-	-
o-Xylene	µg/l	0.539 ± 0.0556	0.53	0.1	0.0669	98.4	-0.13
Sum of m-Xylene and p-Xylene	µg/l	1.77 ± 0.272	2.1	0.5	0.351	119	0.94
Toluene	µg/l	1.51 ± 0.242	1.9	0.4	0.323	126	1.22
Methyl-tert-butyl-ether	µg/l	1.13 ± 0.197	1	0.2	0.186	88.7	-0.69

**Sample: CB03AVHH**

Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
1,1,1-Trichloroethane	µg/l	1.28 ± 0.175	1.4	0.3	0.267	109	0.43
1,1-Dichloroethene	µg/l	1.13 ± 0.167	1.1	0.3	0.237	97.6	-0.12
1,2-Dichloroethane	µg/l	3.63 ± 0.376	4.4	0.9	0.56	121	1.37
Bromodichloromethane	µg/l	- ± -	<0.1 (LOQ)	-	-	-	-
cis-1,2-Dichloroethene	µg/l	- ± -	<0.1 (LOQ)	-	-	-	-
Dibromochloromethane	µg/l	1.86 ± 0.205	2.4	0.4	0.306	129	1.77
Dichloromethane	µg/l	2.85 ± 0.381	3.1	0.6	0.553	109	0.46
Tetrachloroethene	µg/l	7.59 ± 0.775	7.5	1.6	1.24	98.8	-0.07
Tetrachloromethane	µg/l	0.628 ± 0.0852	0.78	0.2	0.12	124	1.27
trans-1,2-Dichloroethene	µg/l	0.499 ± 0.0904	0.5	0.1	0.131	100	0.00
Tribromomethane	µg/l	3.6 ± 0.291	-	-	0.411	-	-
Trichloroethene	µg/l	1.56 ± 0.186	1.5	0.3	0.291	96	-0.21
Trichloromethane	µg/l	6.75 ± 0.531	8	1.6	0.771	119	1.63

**Sample: CB03BBTX**

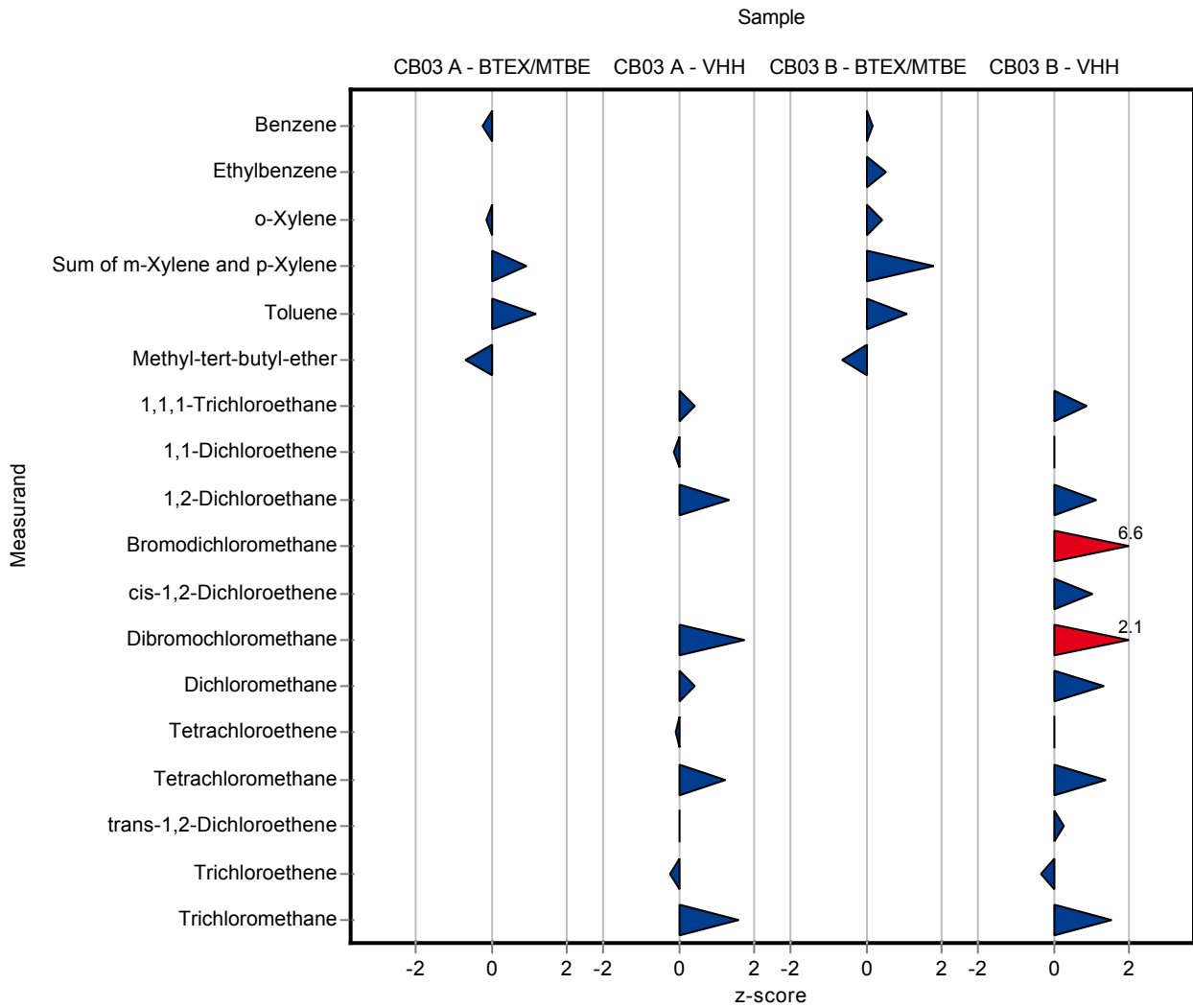
Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
Benzene	µg/l	5.61 ± 0.454	5.7	1.2	0.566	102	0.16
Ethylbenzene	µg/l	0.665 ± 0.164	0.77	0.2	0.205	116	0.51
o-Xylene	µg/l	3.47 ± 0.895	4	0.8	1.23	115	0.43
Sum of m-Xylene and p-Xylene	µg/l	4.1 ± 0.219	4.5	0.9	0.219	110	1.82
Toluene	µg/l	5.59 ± 1.89	8.4	1.7	2.52	150	1.11
Methyl-tert-butyl-ether	µg/l	3.6 ± 0.614	3.2	0.7	0.614	89	-0.65

**Sample: CB03BVHH**

Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
1,1,1-Trichloroethane	µg/l	4.83 ± 0.642	5.7	1.2	0.981	118	0.89



Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
1,1-Dichloroethene	µg/l	3.19 ± 0.526	3.2	0.7	0.765	100	0.02
1,2-Dichloroethane	µg/l	4.53 ± 0.5	5.4	1.1	0.763	119	1.14
Bromodichloromethane	µg/l	3.64 ± 0.155	5	1	0.207	137	6.58
cis-1,2-Dichloroethene	µg/l	2.28 ± 0.153	2.5	0.5	0.216	110	1.02
Dibromochloromethane	µg/l	7.77 ± 0.699	9.9	2	1.01	127	2.09
Dichloromethane	µg/l	5.09 ± 0.563	6.2	1.3	0.818	122	1.35
Tetrachloroethene	µg/l	1.3 ± 0.151	1.3	0.3	0.236	100	0.02
Tetrachloromethane	µg/l	2.61 ± 0.367	3.4	0.7	0.56	130	1.4
trans-1,2-Dichloroethene	µg/l	5.45 ± 0.909	5.8	1.2	1.36	106	0.26
Tribromomethane	µg/l	6.24 ± 0.565	-	-	0.842	-	-
Trichloroethene	µg/l	5.72 ± 0.642	5.4	1.1	1	94.4	-0.32
Trichloromethane	µg/l	7.72 ± 0.884	9.8	2	1.35	127	1.54



The following results were achieved:

Sample: CB03AVHH

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
1,1,1-Trichloroethane	µg/l	1.28	± 0.175	1.66	0.17	0.267	129	1.4
1,1-Dichloroethene	µg/l	1.13	± 0.167	1.18	0.12	0.237	105	0.22
1,2-Dichloroethane	µg/l	3.63	± 0.376	3.89	0.39	0.56	107	0.46
Bromodichloromethane	µg/l	-	± -	<0.05 (LOQ)	-	-	-	-
cis-1,2-Dichloroethene	µg/l	-	± -	<0.05 (LOQ)	-	-	-	-
Dibromochloromethane	µg/l	1.86	± 0.205	2.12	0.21	0.306	114	0.86
Dichloromethane	µg/l	2.85	± 0.381	2.41	0.24	0.553	84.7	-0.79
Tetrachloroethene	µg/l	7.59	± 0.775	9.68	0.97	1.24	128	1.69
Tetrachloromethane	µg/l	0.628	± 0.0852	0.87	0.11	0.12	139	2.01
trans-1,2-Dichloroethene	µg/l	0.499	± 0.0904	0.66	0.1	0.131	132	1.22
Tribromomethane	µg/l	3.6	± 0.291	4.11	0.41	0.411	114	1.24
Trichloroethene	µg/l	1.56	± 0.186	1.73	0.17	0.291	111	0.58
Trichloromethane	µg/l	6.75	± 0.531	7.85	0.79	0.771	116	1.43

Sample: CB03BVHH

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
1,1,1-Trichloroethane	µg/l	4.83	± 0.642	5.99	0.6	0.981	124	1.18
1,1-Dichloroethene	µg/l	3.19	± 0.526	3.39	0.34	0.765	106	0.27
1,2-Dichloroethane	µg/l	4.53	± 0.5	4.71	0.47	0.763	104	0.24
Bromodichloromethane	µg/l	3.64	± 0.155	4.1	0.41	0.207	113	2.24
cis-1,2-Dichloroethene	µg/l	2.28	± 0.153	2.41	0.24	0.216	106	0.6
Dibromochloromethane	µg/l	7.77	± 0.699	8.78	0.88	1.01	113	0.99
Dichloromethane	µg/l	5.09	± 0.563	5.79	0.58	0.818	114	0.85
Tetrachloroethene	µg/l	1.3	± 0.151	1.62	0.16	0.236	125	1.37
Tetrachloromethane	µg/l	2.61	± 0.367	3.61	0.36	0.56	138	1.78
trans-1,2-Dichloroethene	µg/l	5.45	± 0.909	6.64	0.66	1.36	122	0.88
Tribromomethane	µg/l	6.24	± 0.565	7.09	0.71	0.842	114	1.01
Trichloroethene	µg/l	5.72	± 0.642	7.31	0.73	1	128	1.58
Trichloromethane	µg/l	7.72	± 0.884	9.62	0.96	1.35	125	1.4

