

INTERLABORATORY COMPARISON EVALUATION

Volatile Halogenated Hydrocarbons - C55

Sample dispatch on 1st September 2015

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1 Interlaboratory comparison Volatile Halogenated

Hydrocarbons - C55

1.1 Participants and time schedule

- Number of registrations: 26
- Number of submitted data records: 24
- Dispatch of samples: 1st September 2015
- Closing date for submission of data: 29th September 2015,

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

1.2 Sampling, sample material and distribution

A groundwater sample and a municipal waste water sample were selected as sample material. The sampling was carried out on 30th and 31st August 2015. The samples were stored at < 4 °C until further processing. The samples were partly spiked with specific substances. The samples were filled into bottles with continuous stirring. The homogeneous mixtures were dispatched on 1st September 2015. Each participant received:

- 2 samples, filled in 600 ml aluminium bottles.

1.3 Check analysis

While filling the bottles, aliquots of each sample were collected at random moments for check analysis. Testing was performed 8 to 12 days after sample dispatch.

In the parameter-oriented evaluation, the results of the check testing are listed in the form of arithmetic means of the detected concentrations as check value $\pm U$. The uncertainties of the check value were calculated as extended uncertainties ($k=2$).

2 Evaluation

The analytical results had to be made available to the organiser not later than 29th September 2015. 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. The adjusted average value (after removal of outliers) for all submitted results was used as a basis for the calculation of recovery rates.

z-Score

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

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

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.
- σ 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 evaluation 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 illustrated in graphical form (see 5 Explanatory notes on the parameter oriented report)

4 Explanatory notes

None.

5 Explanatory notes on the parameter oriented report

Mean \pm CI (99%) *Mean of the participants results, without outliers \pm 99% confidence interval*
 Minimum – Maximum *Minimum and maximum of all submitted results, after removal of outliers*
 Check value \pm U *Mean of check value \pm expanded uncertainty (k=2)*

Labcode	Result	\pm U	Recovery [%]	z-score	Comments
LC0001	0.015	0.0001	89.7	-0.5	
LC0002	0.0148	0.003	88.5	0.6	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
...					
LC0009	0.100	0.01	597.9	24.2	H

Symbols and abbreviations:

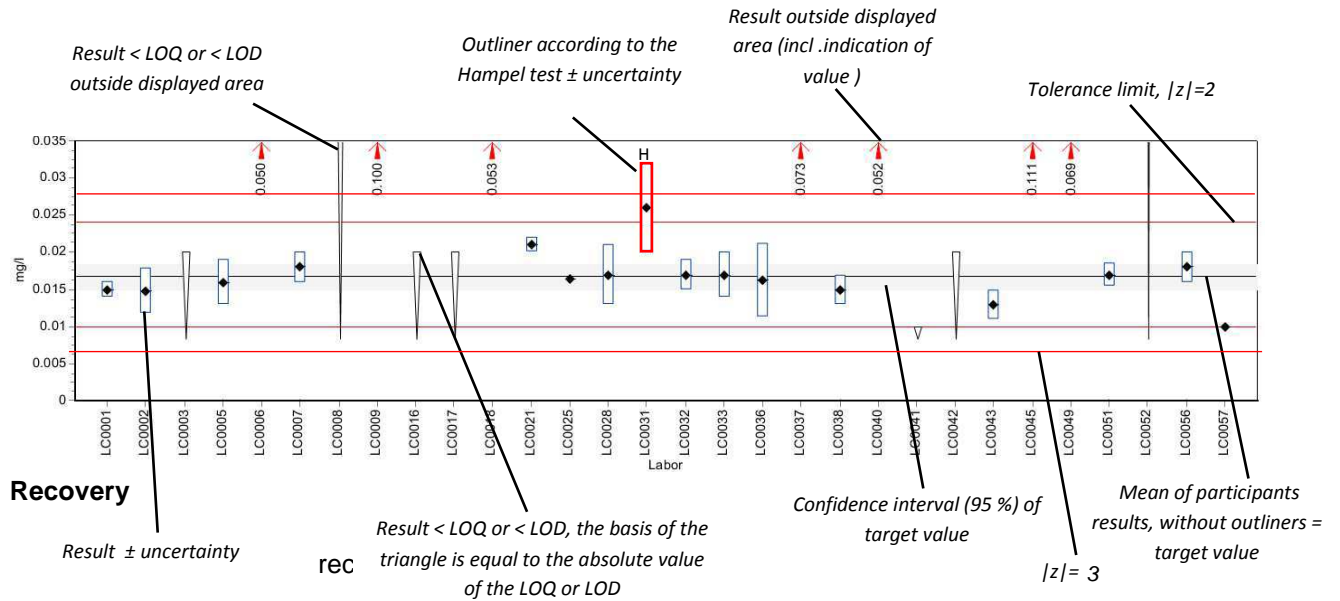
\pm U Results uncertainty as indicated by participant
 - *No data available*

Possible remarks in the column comments:

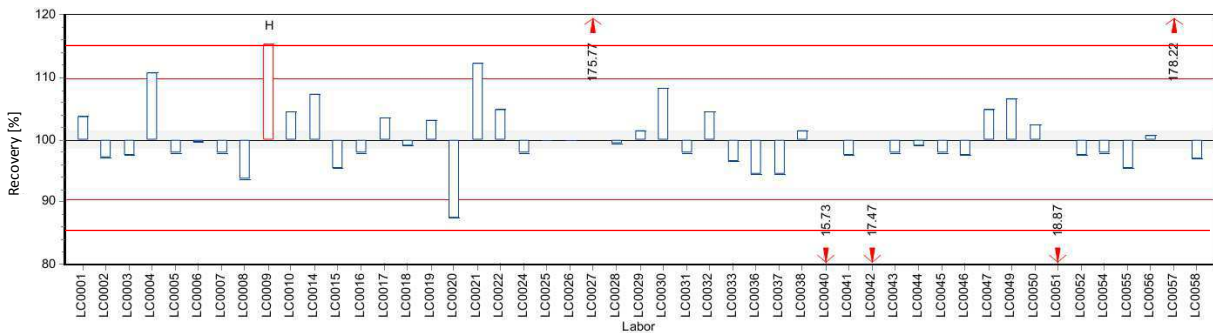
- H Outliner according to Hampel-Test
- FN False negative – For a result < LOQ (level of quantification): The absolute value of the LOD/LOQ fulfils the condition of an outliner according to the Hampel test.
- FP False positive – For parameters where no target value is available because of a too low analyte content (n < 6): Result that exceeds the median of the absolute values of the transmitted LOD/LOQs by more than 100 %.

Graphical presentation of results

Results

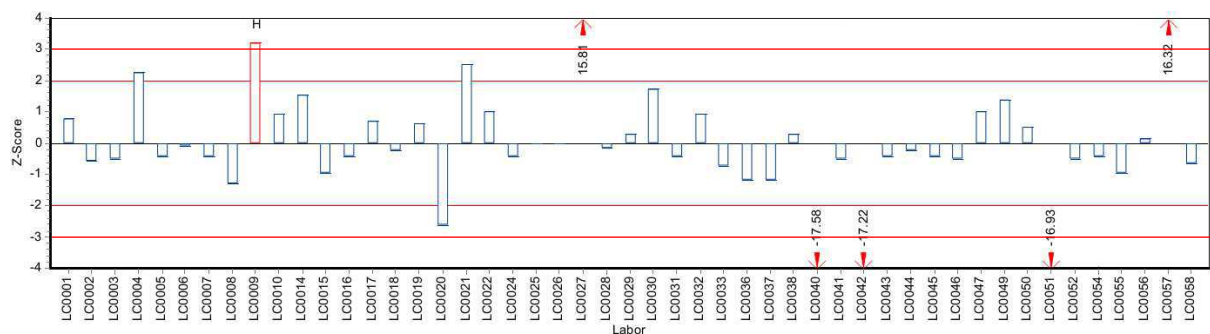


Recovery



z-Score

Presentation of results as z-scores.



Summary of results, after removal of outliers: Volatile Halogenated Hydrocarbons C55

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
Dibromochloromethane	C55 A	µg/l	20	2	1.65	± 0.107	1.36	1.97	0.16	9.71
	C55 B	µg/l	1	0	-	± -	0.022	0.022	-	-
Bromodichloromethane	C55 A	µg/l	20	2	2.47	± 0.136	2	2.848	0.203	8.23
	C55 B	µg/l	1	0	-	± -	0.0047	0.0047	-	-
1,2-Dichloroethane	C55 A	µg/l	18	3	5.26	± 0.362	4.123	5.83	0.512	9.73
	C55 B	µg/l	22	0	2.38	± 0.271	1.32	3.2	0.423	17.8
cis-1,2-Dichloroethene	C55 A	µg/l	16	3	4.38	± 0.327	3.518	5.19	0.436	9.94
	C55 B	µg/l	18	1	1.53	± 0.181	0.929	2.125	0.256	16.7
1,1-Dichloroethene	C55 A	µg/l	17	1	5.09	± 0.449	3.884	6.238	0.616	12.1
	C55 B	µg/l	0	0	-	± -	-	-	-	-
trans-1,2-Dichloroethene	C55 A	µg/l	15	2	1.14	± 0.102	0.902	1.43	0.132	11.5
	C55 B	µg/l	1	0	-	± -	0.933	0.933	-	-
Dichloromethane	C55 A	µg/l	17	3	10.2	± 0.696	8.279	11.95	0.956	9.4
	C55 B	µg/l	17	4	5.3	± 0.324	4.546	6.44	0.446	8.41
Tetrachloroethene	C55 A	µg/l	20	1	7.93	± 0.535	6.125	9.16	0.797	10.1
	C55 B	µg/l	19	2	0.462	± 0.0366	0.367	0.55	0.0532	11.5
Tetrachloromethane	C55 A	µg/l	19	3	3.17	± 0.194	2.616	3.6	0.282	8.89
	C55 B	µg/l	19	3	0.692	± 0.0433	0.61	0.86	0.0629	9.09
Tribromomethane	C55 A	µg/l	18	2	7.64	± 0.363	6.84	8.5	0.514	6.72
	C55 B	µg/l	21	0	2.11	± 0.202	1.31	2.5	0.309	14.6
1,1,1-Trichloroethane	C55 A	µg/l	20	2	2.76	± 0.148	2.372	3.09	0.22	7.97
	C55 B	µg/l	20	3	1.45	± 0.0752	1.2	1.64	0.112	7.71
Trichloroethene	C55 A	µg/l	18	3	12.4	± 0.51	11	14.1	0.722	5.81
	C55 B	µg/l	18	3	0.852	± 0.0512	0.7	0.98	0.0724	8.5
Trichloromethane	C55 A	µg/l	18	3	0.871	± 0.0636	0.647	1.03	0.09	10.3
	C55 B	µg/l	19	4	2.57	± 0.143	2.2	2.9	0.208	8.1

7 Parameter oriented report

Dibromochloromethane	10
Bromdichloromethane	16
1,2-Dichloroethane	22
cis-1,2-Dichloroethene.....	30
1,1-Dichloroethene	38
trans-1,2-Dichloroethene	44
Dichloromethane	50
Tetrachloroethene	58
Tetrachloromethane	66
Tribromomethane	74
1,1,1-Trichloroethane	82
Trichloroethene	90
Trichloromethane	98

Parameter oriented report Volatile Halogenated Hydrocarbons C55

Sample: C55A, Parameter: Dibromochloromethane

Parameter oriented report

C55 A

Dibromochloromethane

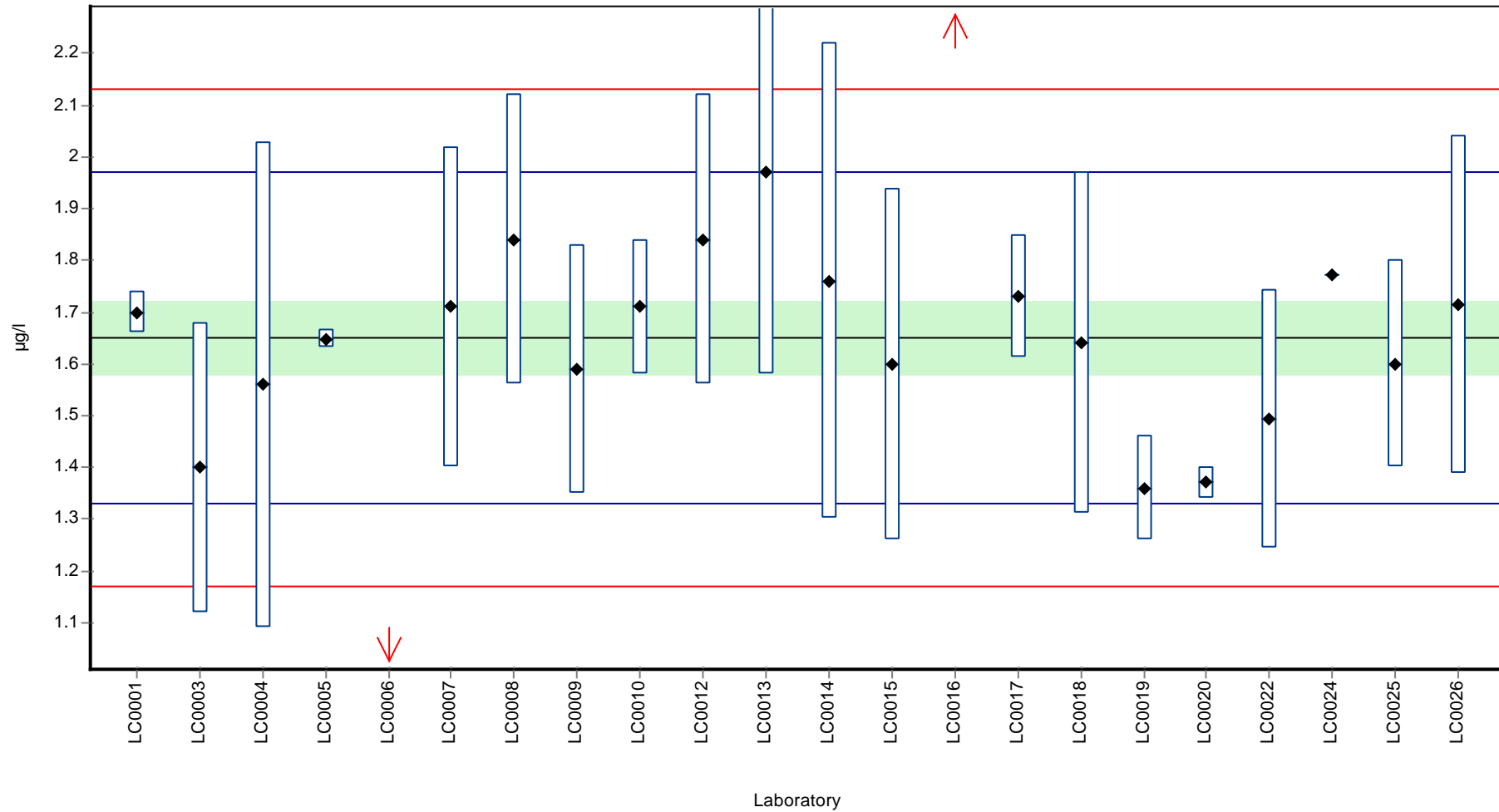
Unit	µg/l
Mean ± CI (99%)	1.65 ± 0.107
Minimum - Maximum	1.36 - 1.97
Check value ± U	1.7 ± 0.11

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	1.700	0.040	103.0	0.3	
LC0002	-	-	-	-	
LC0003	1.400	0.280	84.8	-1.6	
LC0004	1.560	0.470	94.5	-0.6	
LC0005	1.648	0.018	99.9	0.0	
LC0006	0.941	30.000	57.0	-4.4	H
LC0007	1.710	0.310	103.6	0.4	
LC0008	1.840	0.280	111.5	1.2	
LC0009	1.590	0.240	96.3	-0.4	
LC0010	1.710	0.130	103.6	0.4	
LC0011	-	-	-	-	
LC0012	1.840	0.280	111.5	1.2	
LC0013	1.970	0.390	119.4	2.0	
LC0014	1.760	0.460	106.6	0.7	
LC0015	1.600	0.340	96.9	-0.3	
LC0016	4.298	-	260.4	16.5	H
LC0017	1.730	0.119	104.8	0.5	
LC0018	1.640	0.330	99.4	-0.1	
LC0019	1.360	0.100	82.4	-1.8	
LC0020	1.370	0.030	83.0	-1.7	
LC0021	-	-	-	-	
LC0022	1.494	0.250	90.5	-1.0	
LC0023	-	-	-	-	
LC0024	1.771	-	107.3	0.8	
LC0025	1.600	0.200	96.9	-0.3	
LC0026	1.715	0.326	103.9	0.4	

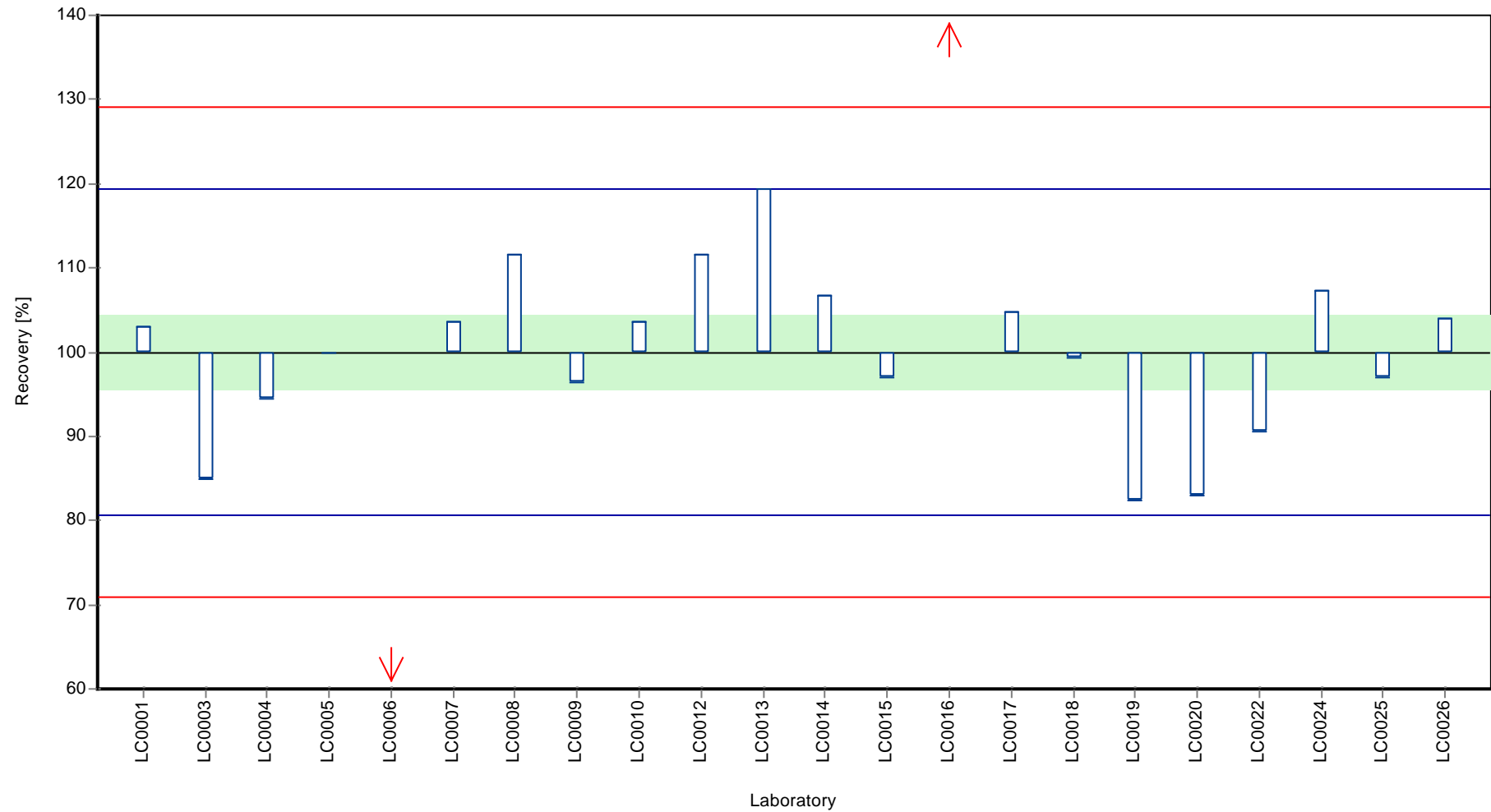
Characteristics of parameter

	all results	without outliers	Unit
Mean ± CI (99%)	1.74 ± 0.391	1.65 ± 0.107	µg/l
Minimum	0.941	1.36	µg/l
Maximum	4.3	1.97	µg/l
Standard deviation	0.611	0.16	µg/l
rel. Standard deviation	35.1	9.71	%
n	22	20	-

Graphical presentation of results
Results



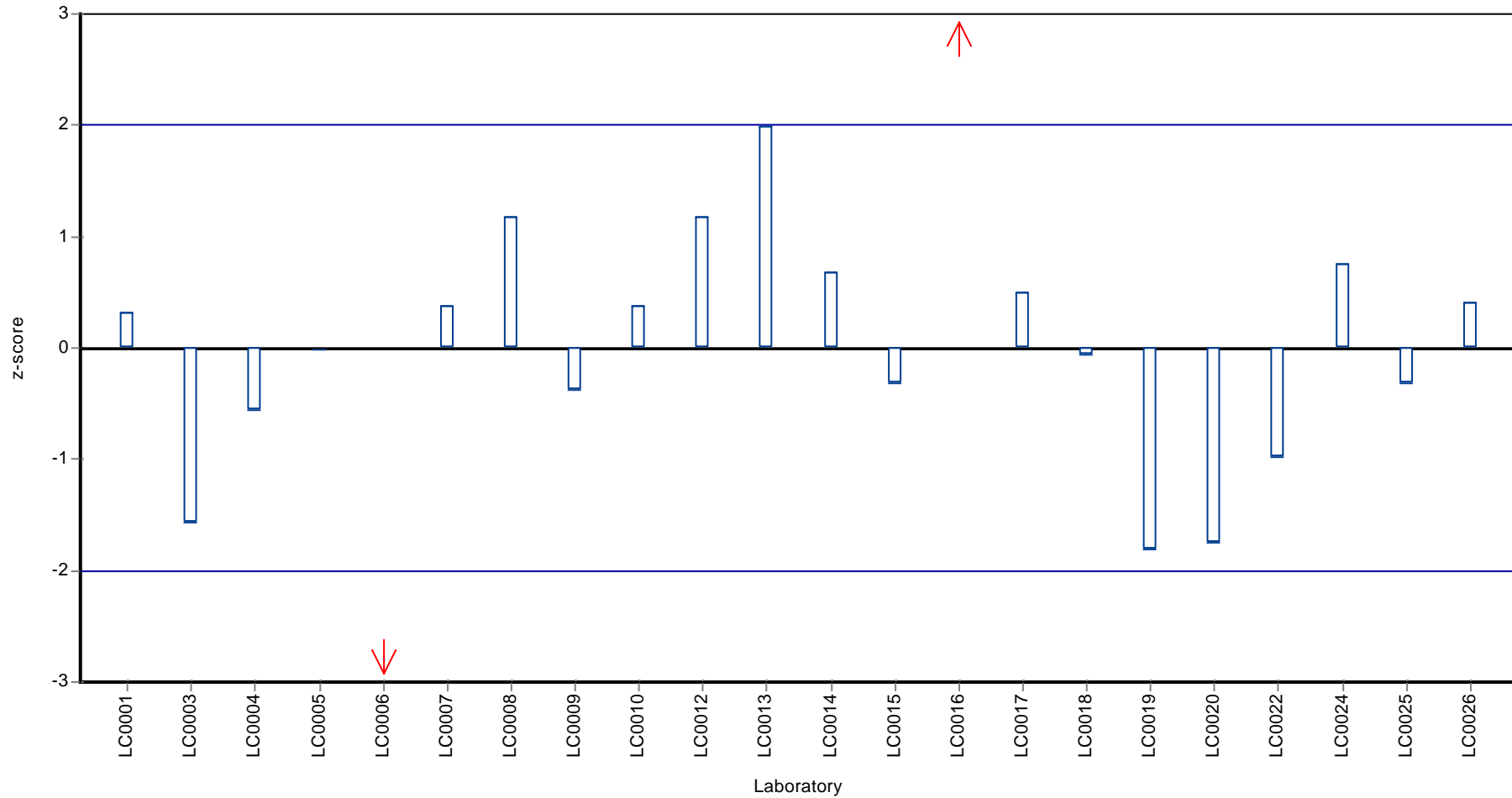
Recovery rate



Parameter oriented report Volatile Halogenated Hydrocarbons C55

Sample: C55A, Parameter: Dibromochloromethane

Z-score



Parameter oriented report Volatile Halogenated Hydrocarbons C55

Sample: C55B, Parameter: Dibromochloromethane

Parameter oriented report

C55 B

Dibromochloromethane

Unit	µg/l
Mean ± CI (99%)	-
Minimum - Maximum	0.022 - 0.022
Check value ± U	< 0.12 (LOD)

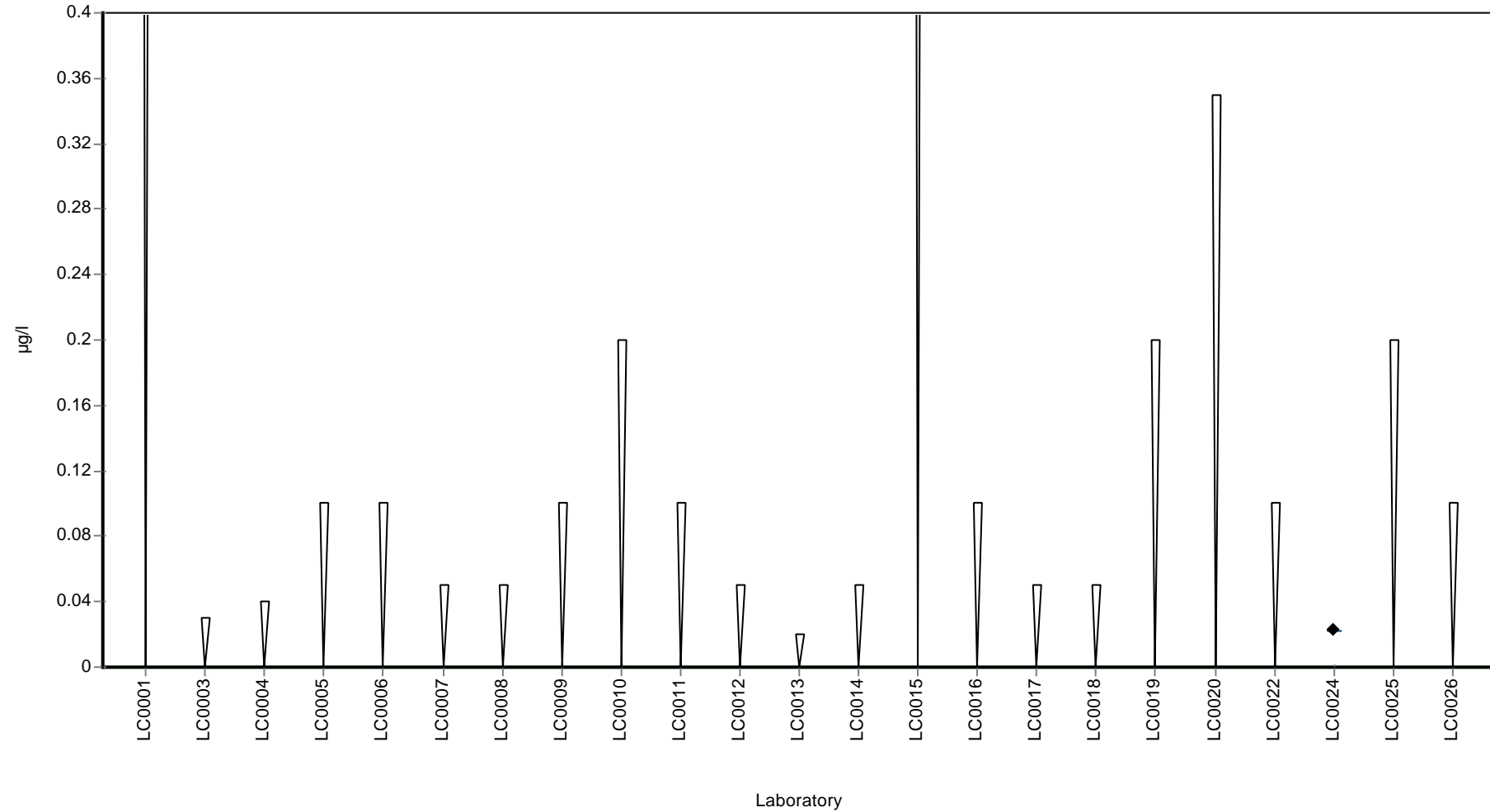
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	< 1 (LOQ)	-	-	-	
LC0002	-	-	-	-	
LC0003	< 0.03 (LOQ)	-	-	-	
LC0004	< 0.04 (LOQ)	-	-	-	
LC0005	< 0.1 (LOQ)	-	-	-	
LC0006	< 0.1 (LOQ)	-	-	-	
LC0007	< 0.05 (LOQ)	-	-	-	
LC0008	<0.05 (LOD)	-	-	-	
LC0009	< 0.1 (LOQ)	-	-	-	
LC0010	< 0.2 (LOQ)	-	-	-	
LC0011	< 0.1 (LOQ)	-	-	-	
LC0012	< 0.05 (LOQ)	-	-	-	
LC0013	< 0.02 (LOQ)	-	-	-	
LC0014	< 0.05 (LOQ)	-	-	-	
LC0015	< 1 (LOQ)	-	-	-	
LC0016	< 0.1 (LOQ)	-	-	-	
LC0017	< 0.05 (LOQ)	-	-	-	
LC0018	< 0.05 (LOQ)	-	-	-	
LC0019	< 0.2 (LOQ)	-	-	-	
LC0020	<0.35 (LOD)	-	-	-	
LC0021	-	-	-	-	
LC0022	< 0.1 (LOQ)	-	-	-	
LC0023	-	-	-	-	
LC0024	0.022	-	-	-	
LC0025	< 0.2 (LOQ)	-	-	-	
LC0026	< 0.1 (LOQ)	-	-	-	

Characteristics of parameter

	all results	without outliers	Unit
Mean ± CI (99%)	0.022	-	µg/l
Minimum	0.022	0.022	µg/l
Maximum	0.022	0.022	µg/l
Standard deviation	-	-	µg/l
rel. Standard deviation	-	-	%
n	1	1	-

Graphical presentation of results

Results



Parameter oriented report

C55 A

Bromodichloromethane

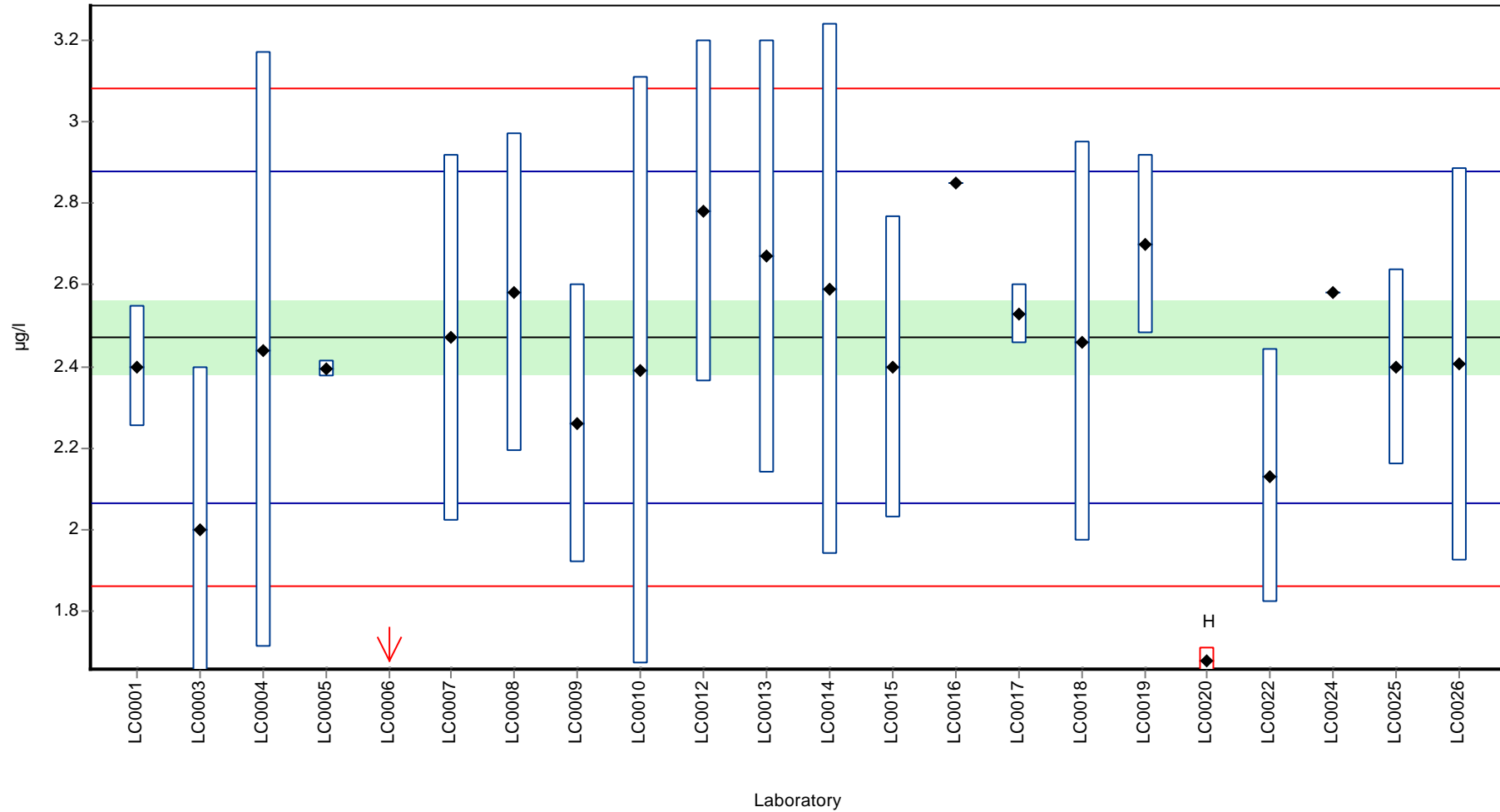
Unit	µg/l
Mean ± CI (99%)	2.47 ± 0.136
Minimum - Maximum	2 - 2.848
Check value ± U	2.4 ± 0.11

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	2.400	0.150	97.1	-0.4	
LC0002	-	-	-	-	
LC0003	2.000	0.400	80.9	-2.3	
LC0004	2.440	0.730	98.7	-0.2	
LC0005	2.395	0.021	96.9	-0.4	
LC0006	1.595	30.000	64.5	-4.3	H
LC0007	2.470	0.450	99.9	0.0	
LC0008	2.580	0.390	104.4	0.5	
LC0009	2.260	0.340	91.4	-1.0	
LC0010	2.390	0.720	96.7	-0.4	
LC0011	-	-	-	-	
LC0012	2.780	0.420	112.5	1.5	
LC0013	2.670	0.530	108.0	1.0	
LC0014	2.590	0.650	104.8	0.6	
LC0015	2.400	0.370	97.1	-0.4	
LC0016	2.848	-	115.2	1.9	
LC0017	2.530	0.073	102.4	0.3	
LC0018	2.460	0.490	99.5	-0.1	
LC0019	2.700	0.220	109.2	1.1	
LC0020	1.680	0.030	68.0	-3.9	H
LC0021	-	-	-	-	
LC0022	2.132	0.310	86.3	-1.7	
LC0023	-	-	-	-	
LC0024	2.581	-	104.4	0.5	
LC0025	2.400	0.240	97.1	-0.4	
LC0026	2.405	0.481	97.3	-0.3	

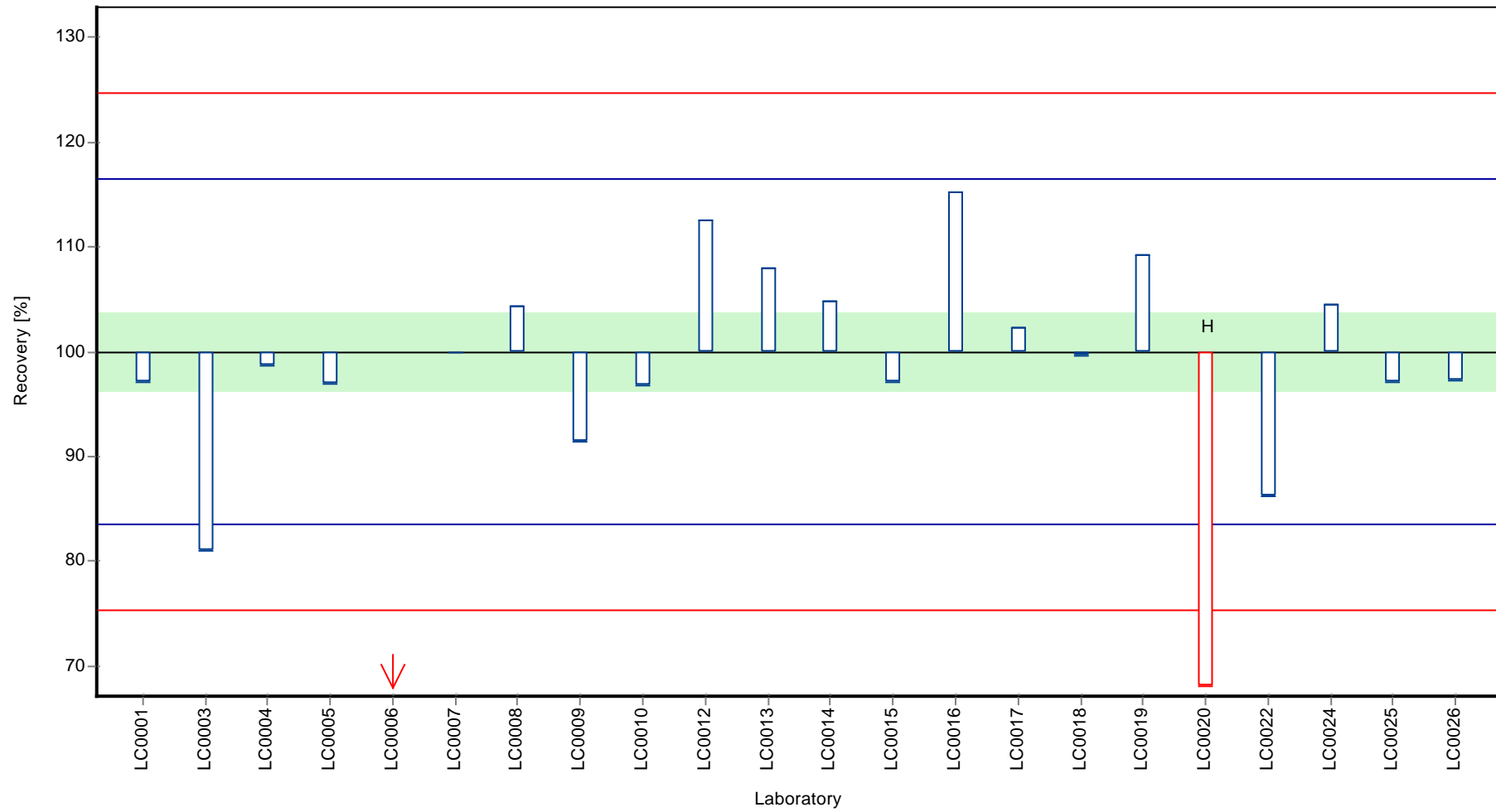
Characteristics of parameter

	all results	without outliers	Unit
Mean ± CI (99%)	2.4 ± 0.2	2.47 ± 0.136	µg/l
Minimum	1.59	2	µg/l
Maximum	2.85	2.85	µg/l
Standard deviation	0.313	0.203	µg/l
rel. Standard deviation	13.1	8.23	%
n	22	20	-

Graphical presentation of results
Results



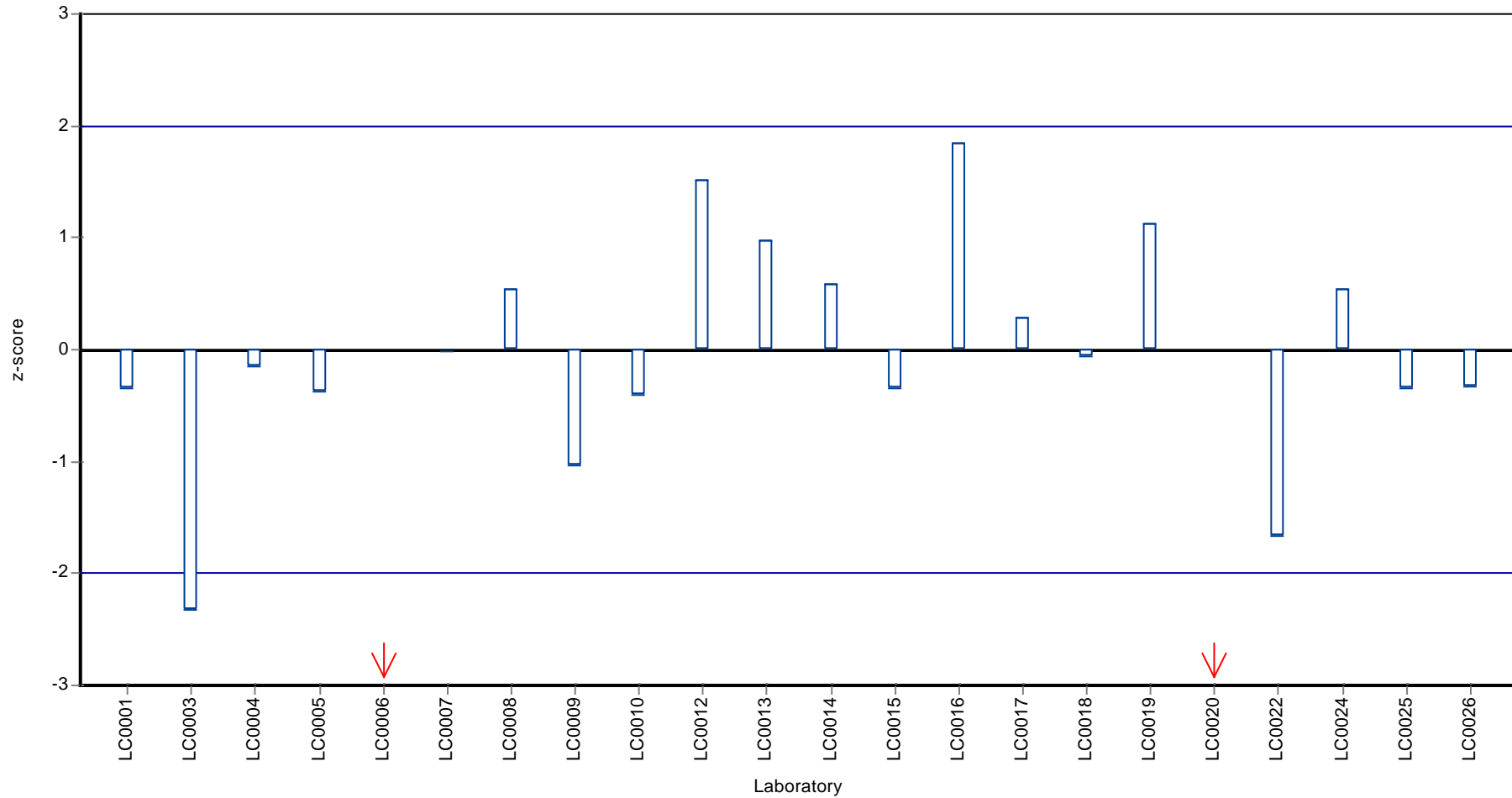
Recovery rate



Parameter oriented report Volatile Halogenated Hydrocarbons C55

Sample: C55A, Parameter: Bromodichloromethane

Z-score



Parameter oriented report Volatile Halogenated Hydrocarbons C55

Sample: C55B, Parameter: Bromodichloromethane

Parameter oriented report

C55 B

Bromodichloromethane

Unit	µg/l
Mean ± CI (99%)	-
Minimum - Maximum	0.0047 - 0.0047
Check value ± U	< 0.1 (LOD)

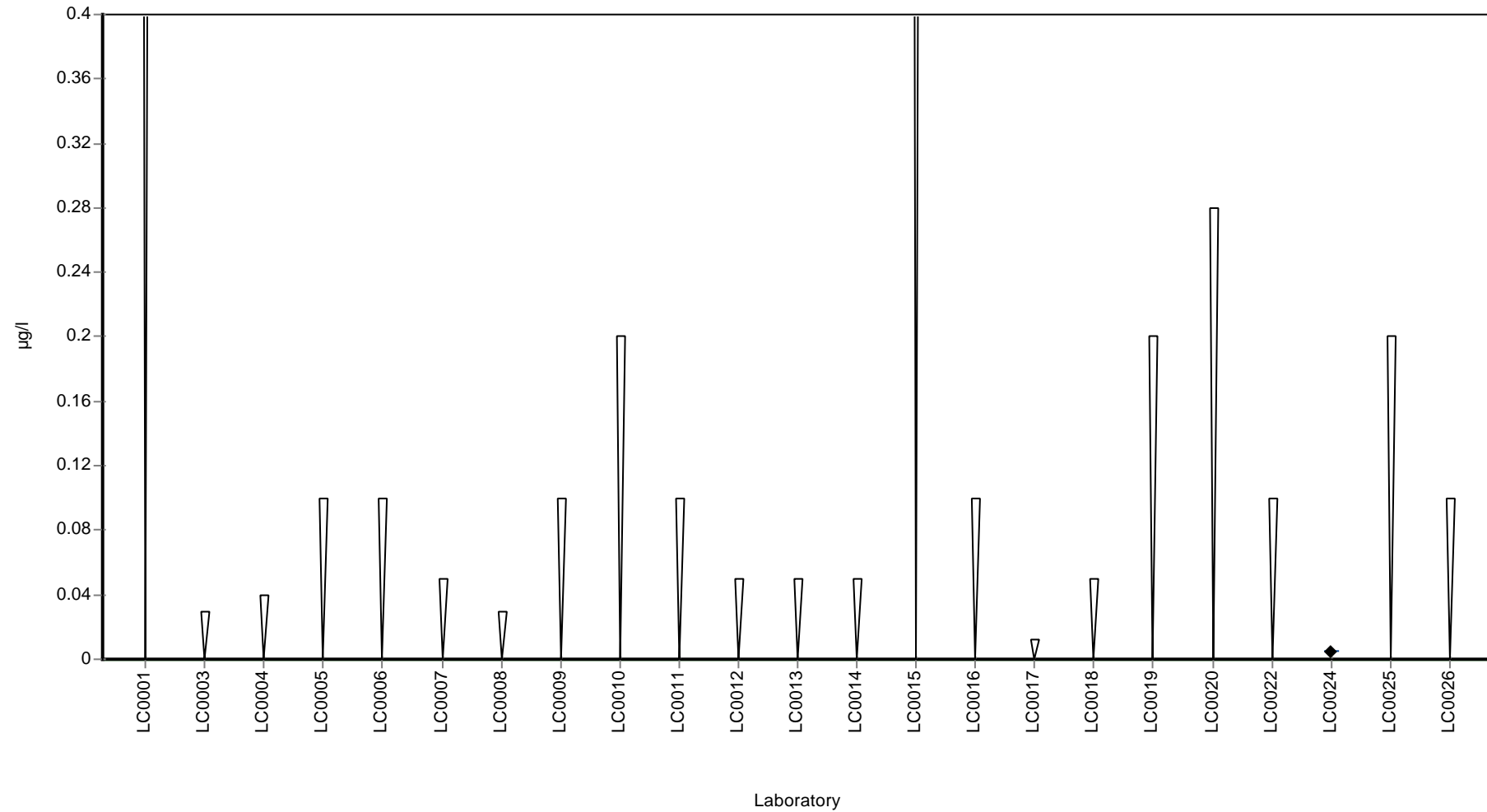
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	< 1 (LOQ)	-	-	-	
LC0002	-	-	-	-	
LC0003	< 0.03 (LOQ)	-	-	-	
LC0004	< 0.04 (LOQ)	-	-	-	
LC0005	< 0.1 (LOQ)	-	-	-	
LC0006	< 0.1 (LOQ)	-	-	-	
LC0007	< 0.05 (LOQ)	-	-	-	
LC0008	<0.03 (LOD)	-	-	-	
LC0009	< 0.1 (LOQ)	-	-	-	
LC0010	< 0.2 (LOQ)	-	-	-	
LC0011	< 0.1 (LOQ)	-	-	-	
LC0012	< 0.05 (LOQ)	-	-	-	
LC0013	< 0.05 (LOQ)	-	-	-	
LC0014	< 0.05 (LOQ)	-	-	-	
LC0015	< 1 (LOQ)	-	-	-	
LC0016	< 0.1 (LOQ)	-	-	-	
LC0017	<0.012 (LOD)	-	-	-	
LC0018	< 0.05 (LOQ)	-	-	-	
LC0019	< 0.2 (LOQ)	-	-	-	
LC0020	<0.28 (LOD)	-	-	-	
LC0021	-	-	-	-	
LC0022	< 0.1 (LOQ)	-	-	-	
LC0023	-	-	-	-	
LC0024	0.0047	-	-	-	
LC0025	< 0.2 (LOQ)	-	-	-	
LC0026	< 0.1 (LOQ)	-	-	-	

Characteristics of parameter

	all results	without outliers	Unit
Mean ± CI (99%)	0.0047	-	µg/l
Minimum	0.0047	0.0047	µg/l
Maximum	0.0047	0.0047	µg/l
Standard deviation	-	-	µg/l
rel. Standard deviation	-	-	%
n	1	1	-

Graphical presentation of results

Results



Parameter oriented report

C55 A

1,2-Dichloroethane

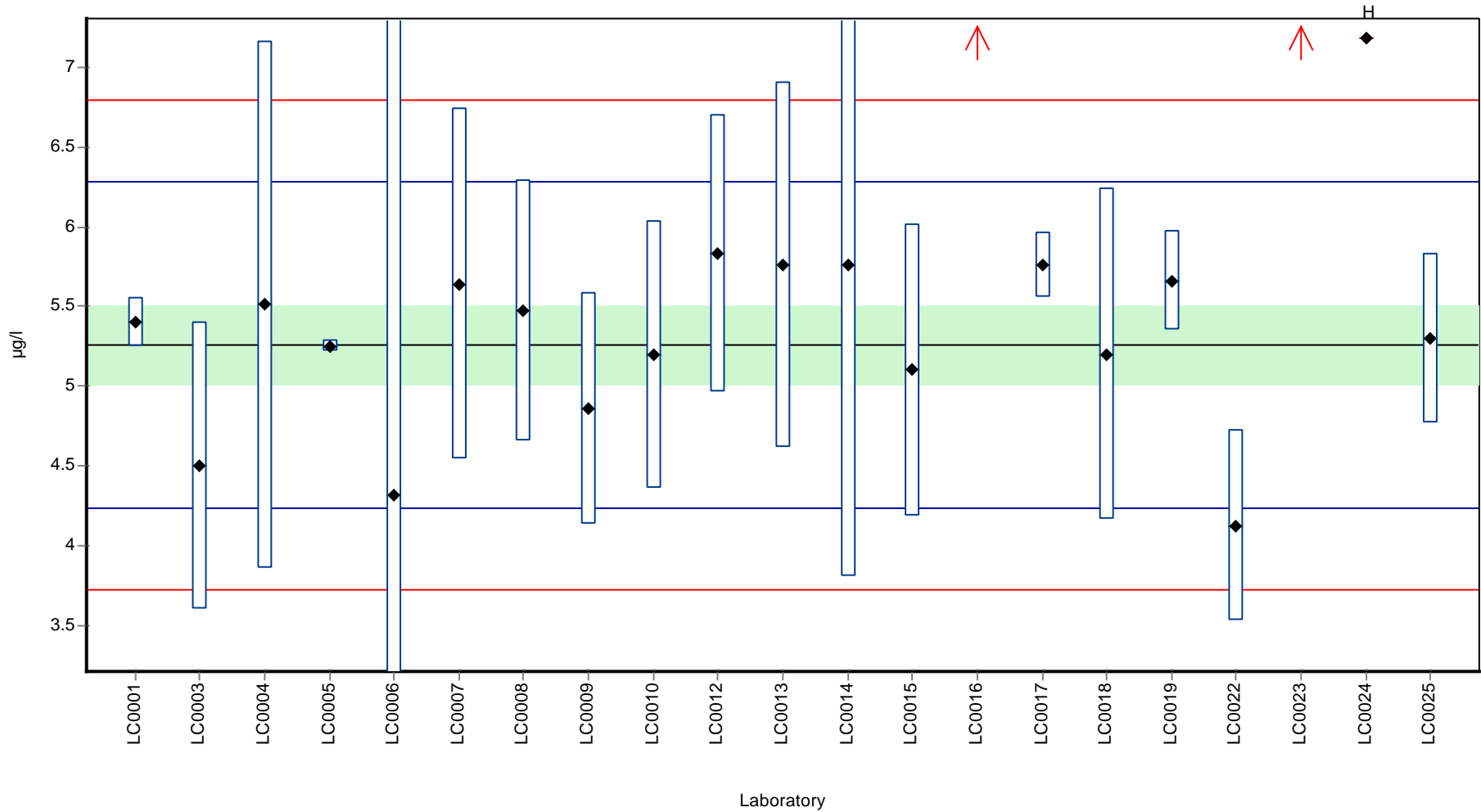
Unit	µg/l
Mean ± CI (99%)	5.26 ± 0.362
Minimum - Maximum	4.123 - 5.83
Check value ± U	5.0 ± 0.27

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	5.400	0.150	102.7	0.3	
LC0002	-	-	-	-	
LC0003	4.500	0.900	85.6	-1.5	
LC0004	5.510	1.650	104.8	0.5	
LC0005	5.252	0.032	99.9	0.0	
LC0006	4.320	30.000	82.2	-1.8	
LC0007	5.640	1.100	107.3	0.7	
LC0008	5.470	0.820	104.0	0.4	
LC0009	4.860	0.730	92.4	-0.8	
LC0010	5.200	0.840	98.9	-0.1	
LC0011	-	-	-	-	
LC0012	5.830	0.870	110.9	1.1	
LC0013	5.760	1.150	109.5	1.0	
LC0014	5.760	1.960	109.5	1.0	
LC0015	5.100	0.920	97.0	-0.3	
LC0016	7.722	-	146.9	4.8	H
LC0017	5.760	0.207	109.5	1.0	
LC0018	5.200	1.040	98.9	-0.1	
LC0019	5.660	0.310	107.6	0.8	
LC0020	-	-	-	-	
LC0021	-	-	-	-	
LC0022	4.123	0.600	78.4	-2.2	
LC0023	7.600	0.800	144.5	4.6	H
LC0024	7.183	-	136.6	3.8	H
LC0025	5.300	0.530	100.8	0.1	
LC0026	-	-	-	-	

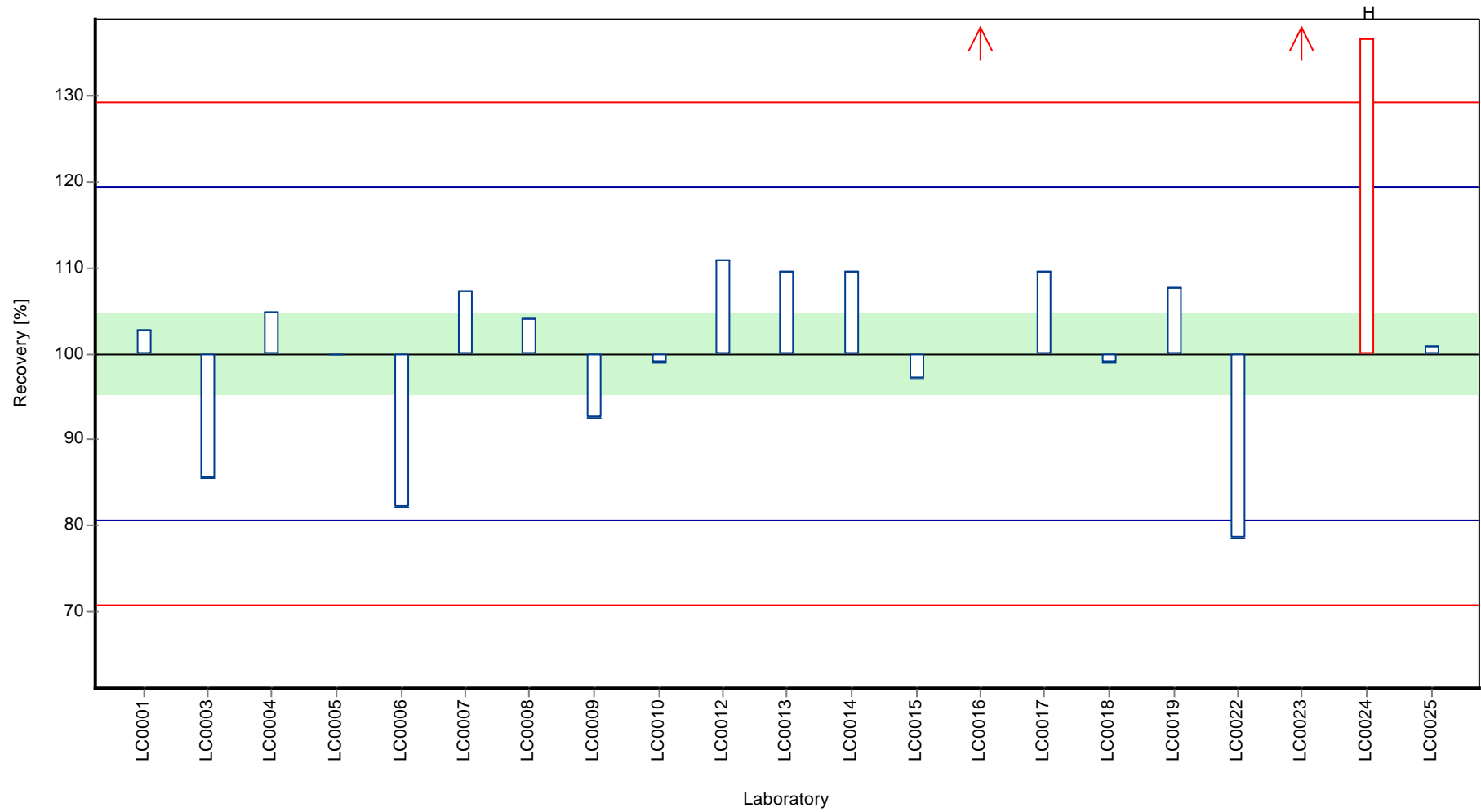
Characteristics of parameter

	all results	without outliers	Unit
Mean ± CI (99%)	5.58 ± 0.613	5.26 ± 0.362	µg/l
Minimum	4.12	4.12	µg/l
Maximum	7.72	5.83	µg/l
Standard deviation	0.937	0.512	µg/l
rel. Standard deviation	16.8	9.73	%
n	21	18	-

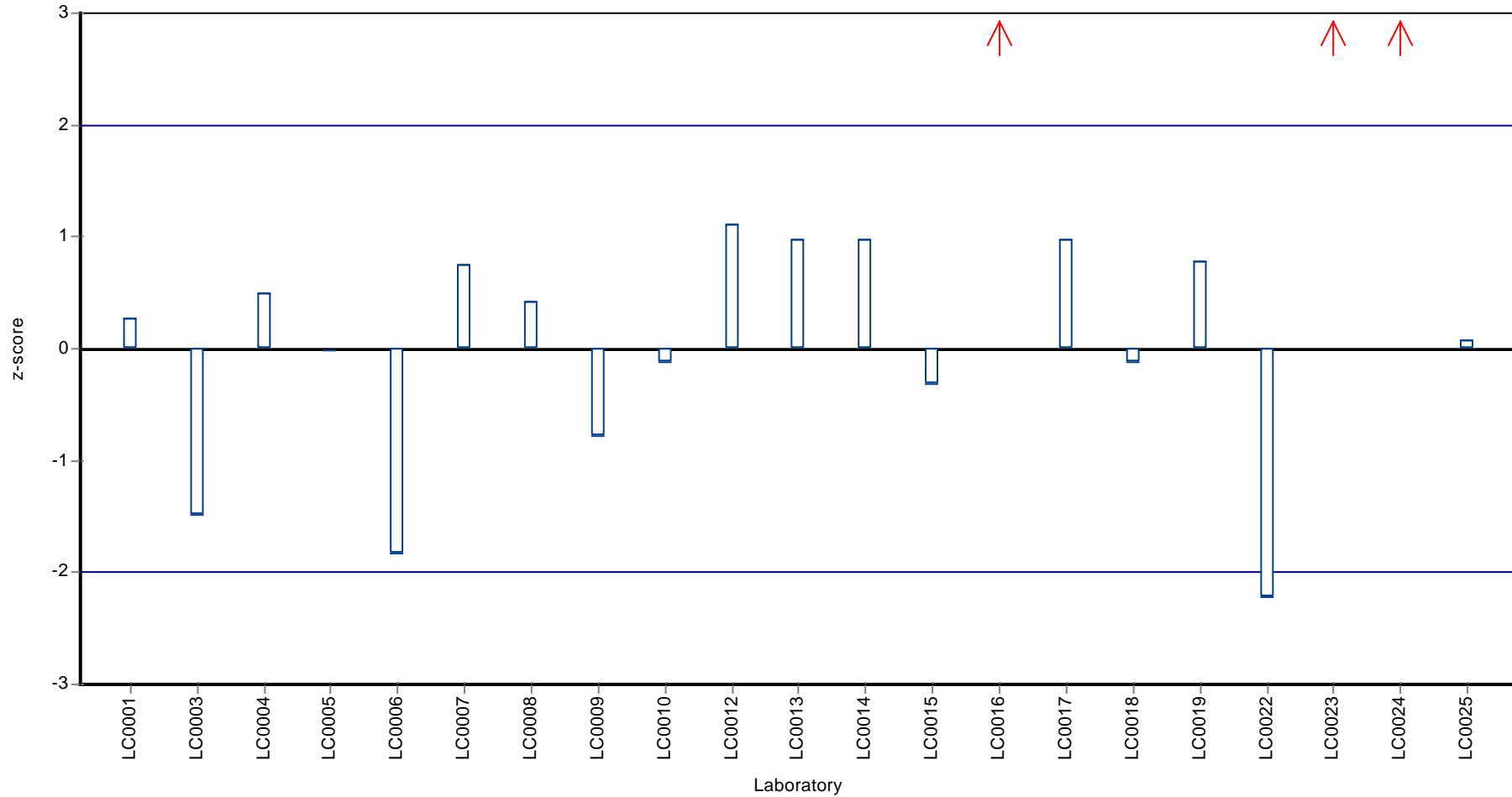
Graphical presentation of results
Results



Recovery rate



Z-score



Parameter oriented report Volatile Halogenated Hydrocarbons C55

Sample: C55B, Parameter: 1,2-Dichloroethane

Parameter oriented report

C55 B

1,2-Dichloroethane

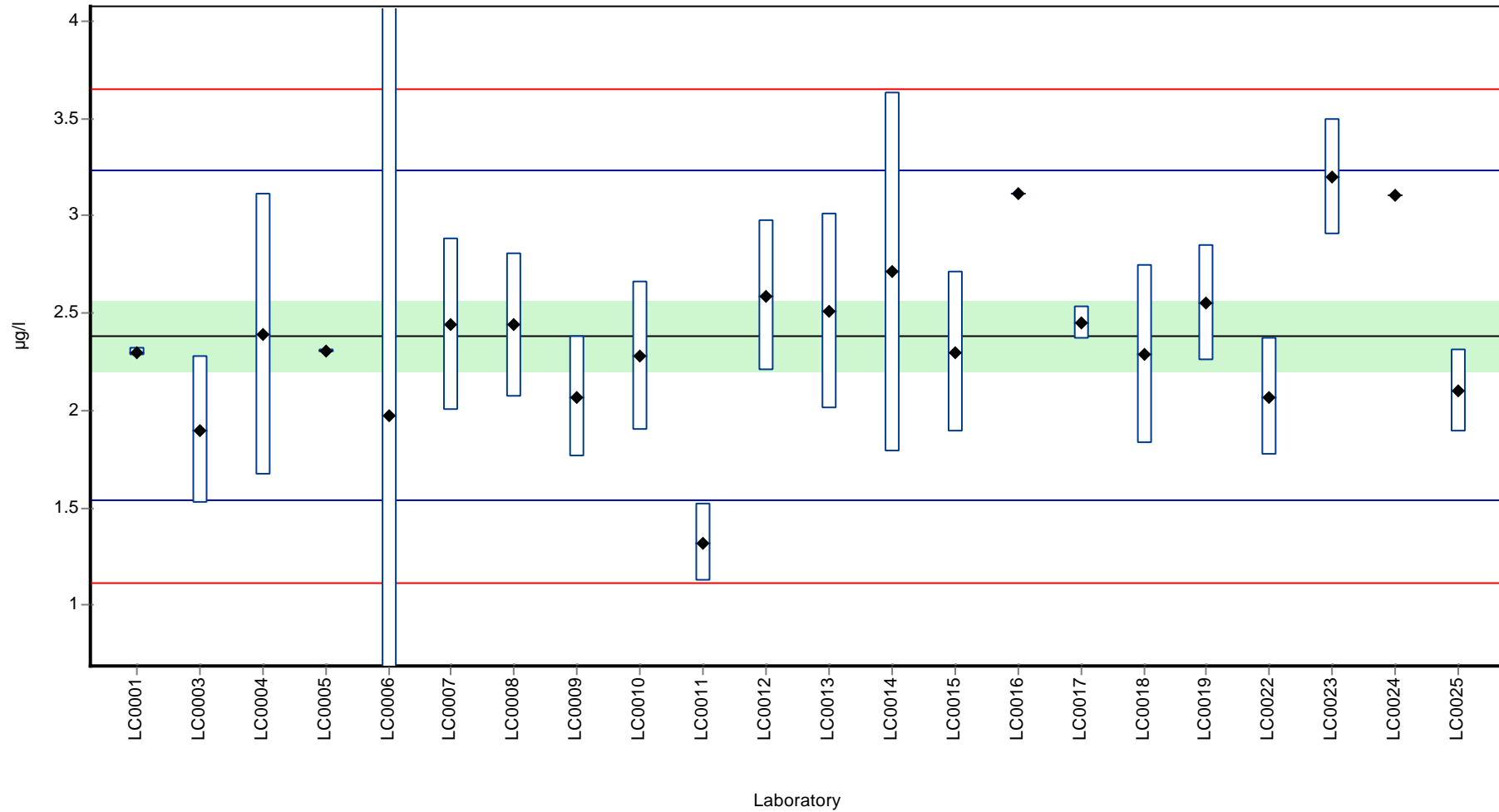
Unit	µg/l
Mean ± CI (99%)	2.38 ± 0.271
Minimum - Maximum	1.32 - 3.2
Check value ± U	2.3 ± 0.22

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	2.300	0.020	96.6	-0.2	
LC0002	-	-	-	-	
LC0003	1.900	0.380	79.8	-1.1	
LC0004	2.390	0.720	100.3	0.0	
LC0005	2.305	0.011	96.8	-0.2	
LC0006	1.973	30.000	82.8	-1.0	
LC0007	2.440	0.440	102.4	0.1	
LC0008	2.440	0.370	102.4	0.1	
LC0009	2.070	0.310	86.9	-0.7	
LC0010	2.280	0.380	95.7	-0.2	
LC0011	1.320	0.200	55.4	-2.5	
LC0012	2.590	0.390	108.7	0.5	
LC0013	2.510	0.500	105.4	0.3	
LC0014	2.710	0.920	113.8	0.8	
LC0015	2.300	0.410	96.6	-0.2	
LC0016	3.110	-	130.6	1.7	
LC0017	2.450	0.088	102.9	0.2	
LC0018	2.290	0.460	96.1	-0.2	
LC0019	2.550	0.300	107.1	0.4	
LC0020	-	-	-	-	
LC0021	-	-	-	-	
LC0022	2.070	0.300	86.9	-0.7	
LC0023	3.200	0.300	134.4	1.9	
LC0024	3.101	-	130.2	1.7	
LC0025	2.100	0.210	88.2	-0.7	
LC0026	-	-	-	-	

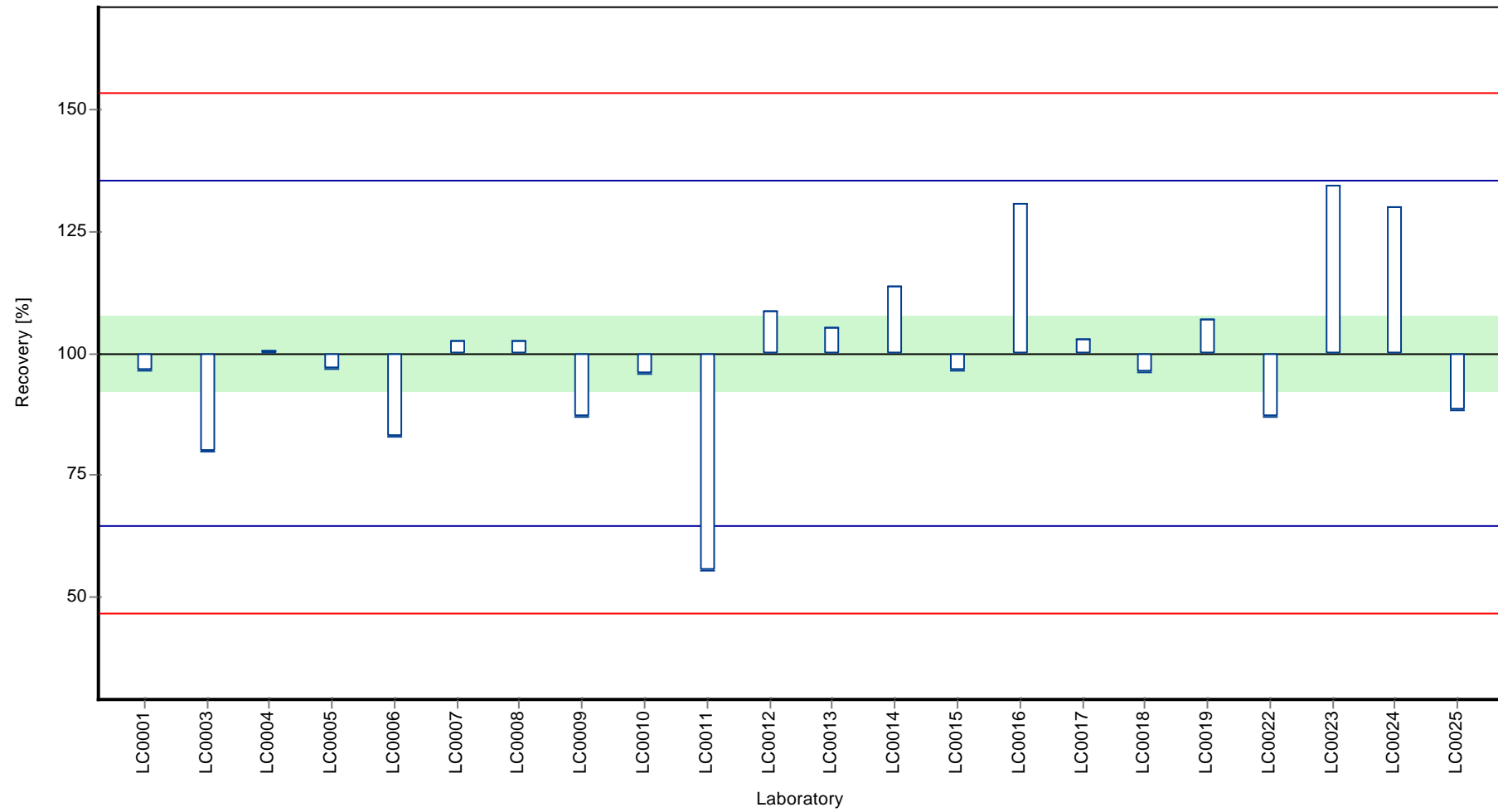
Characteristics of parameter

	all results	without outliers	Unit
Mean ± CI (99%)	2.38 ± 0.271	2.38 ± 0.271	µg/l
Minimum	1.32	1.32	µg/l
Maximum	3.2	3.2	µg/l
Standard deviation	0.423	0.423	µg/l
rel. Standard deviation	17.8	17.8	%
n	22	22	-

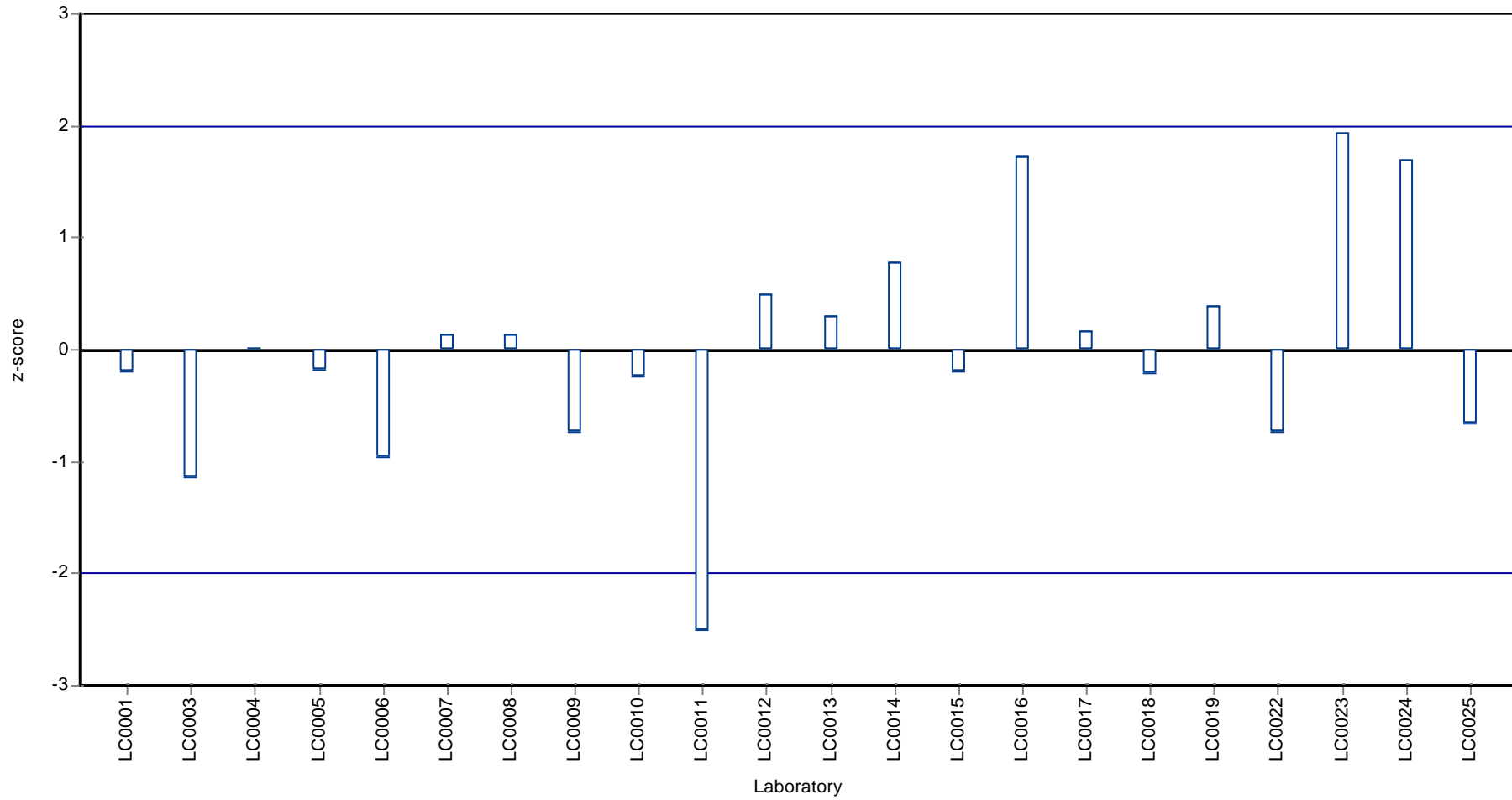
Graphical presentation of results
Results



Recovery rate



Z-score



Parameter oriented report

C55 A

cis-1,2-Dichloroethene

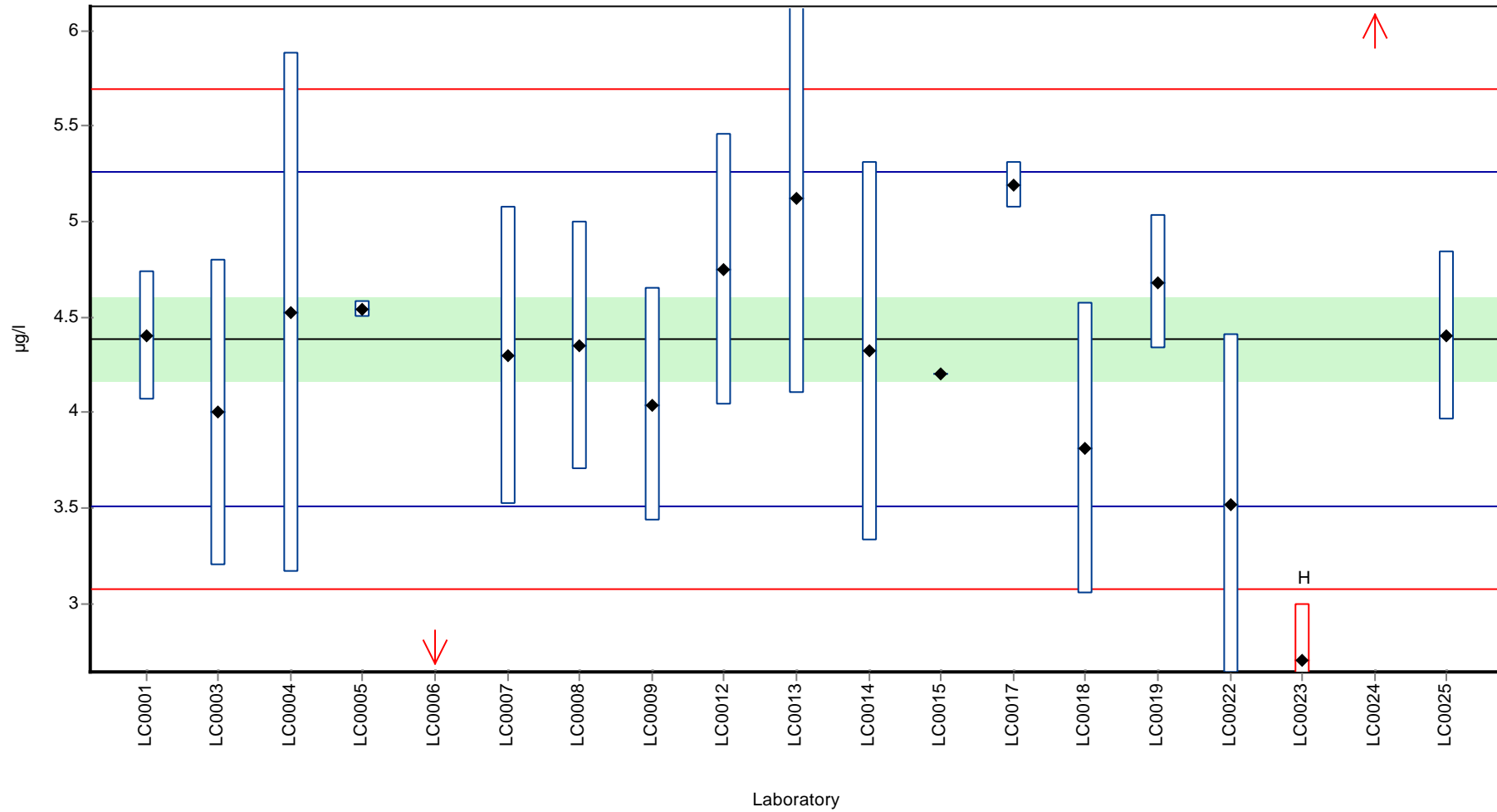
Unit	µg/l
Mean ± CI (99%)	4.38 ± 0.327
Minimum - Maximum	3.518 - 5.19
Check value ± U	4.2 ± 0.17

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	4.400	0.340	100.4	0.0	
LC0002	-	-	-	-	
LC0003	4.000	0.800	91.3	-0.9	
LC0004	4.520	1.360	103.1	0.3	
LC0005	4.537	0.044	103.5	0.4	
LC0006	2.597	30.000	59.2	-4.1	H
LC0007	4.300	0.780	98.1	-0.2	
LC0008	4.350	0.650	99.2	-0.1	
LC0009	4.040	0.610	92.2	-0.8	
LC0010	-	-	-	-	
LC0011	-	-	-	-	
LC0012	4.750	0.710	108.4	0.8	
LC0013	5.120	1.020	116.8	1.7	
LC0014	4.320	0.990	98.6	-0.1	
LC0015	4.200	-	95.8	-0.4	
LC0016	-	-	-	-	
LC0017	5.190	0.121	118.4	1.9	
LC0018	3.810	0.760	86.9	-1.3	
LC0019	4.680	0.350	106.8	0.7	
LC0020	-	-	-	-	
LC0021	-	-	-	-	
LC0022	3.518	0.890	80.3	-2.0	
LC0023	2.700	0.300	61.6	-3.9	H
LC0024	6.190	-	141.2	4.1	H
LC0025	4.400	0.440	100.4	0.0	
LC0026	-	-	-	-	

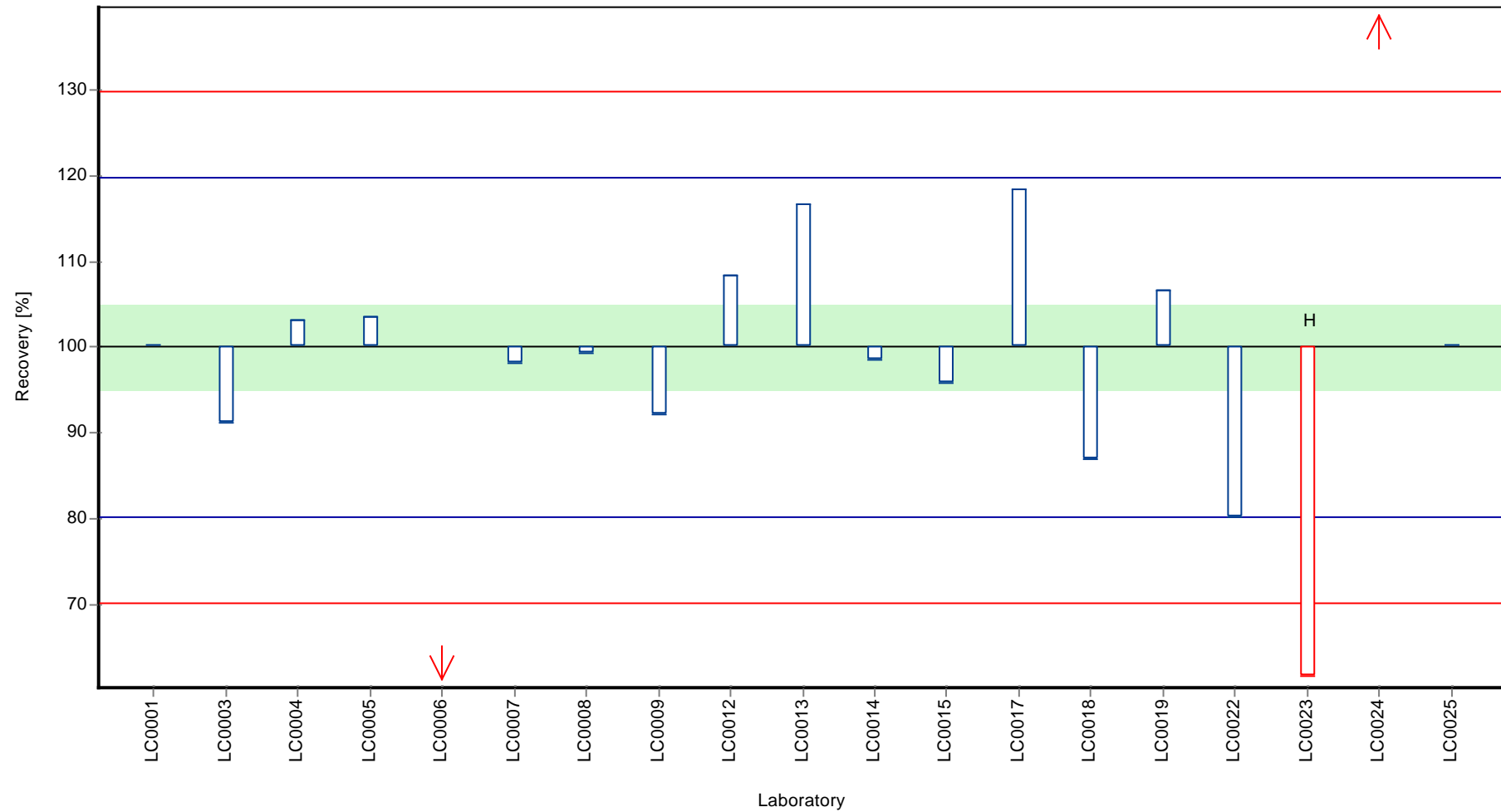
Characteristics of parameter

	all results	without outliers	Unit
Mean ± CI (99%)	4.3 ± 0.562	4.38 ± 0.327	µg/l
Minimum	2.6	3.52	µg/l
Maximum	6.19	5.19	µg/l
Standard deviation	0.816	0.436	µg/l
rel. Standard deviation	19	9.94	%
n	19	16	-

Graphical presentation of results
Results



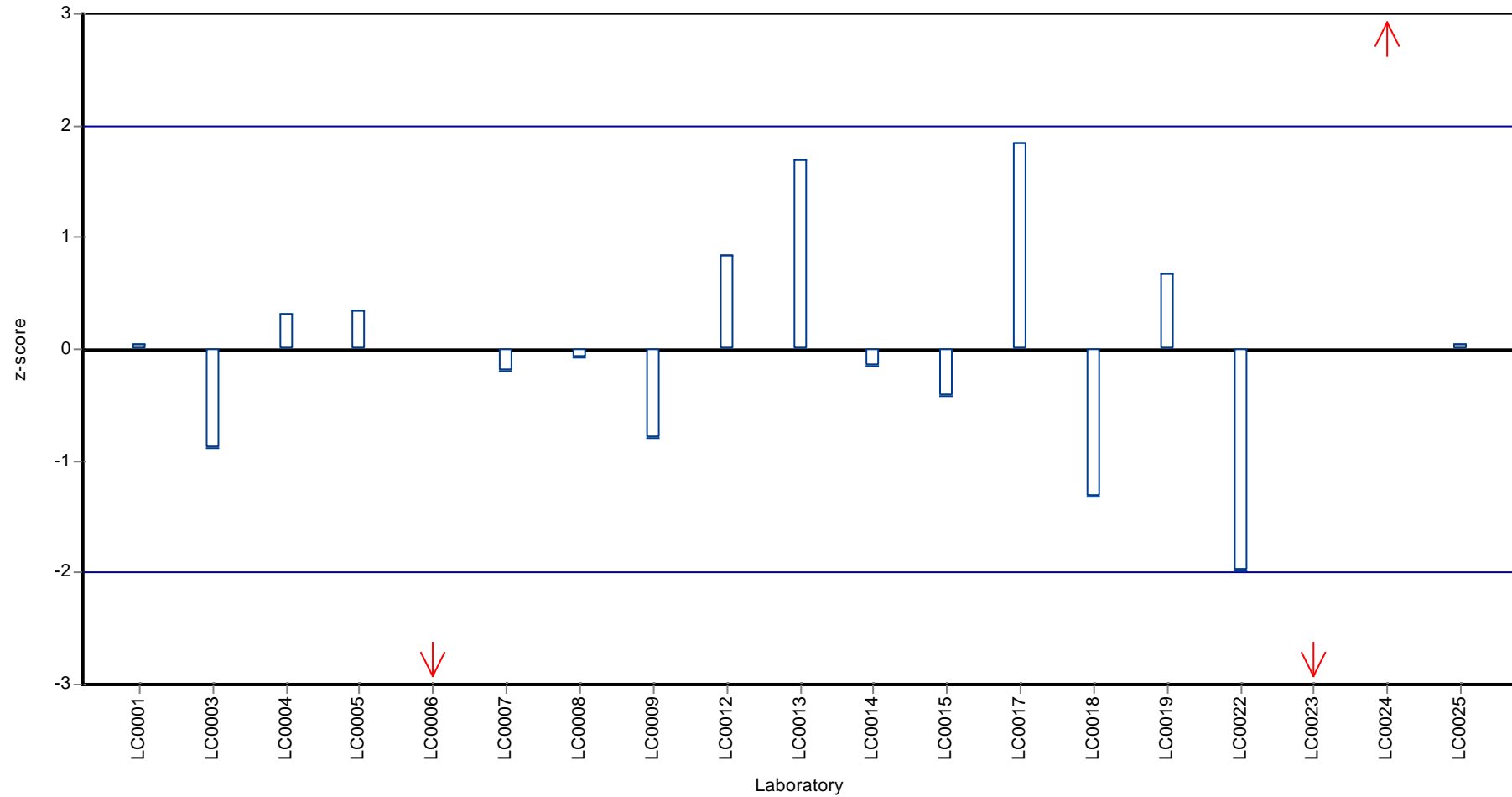
Recovery rate



Parameter oriented report Volatile Halogenated Hydrocarbons C55

Sample: C55A, Parameter: cis-1,2-Dichloroethene

Z-score



Parameter oriented report Volatile Halogenated Hydrocarbons C55

Sample: C55B, Parameter: cis-1,2-Dichloroethene

Parameter oriented report

C55 B

cis-1,2-Dichloroethene

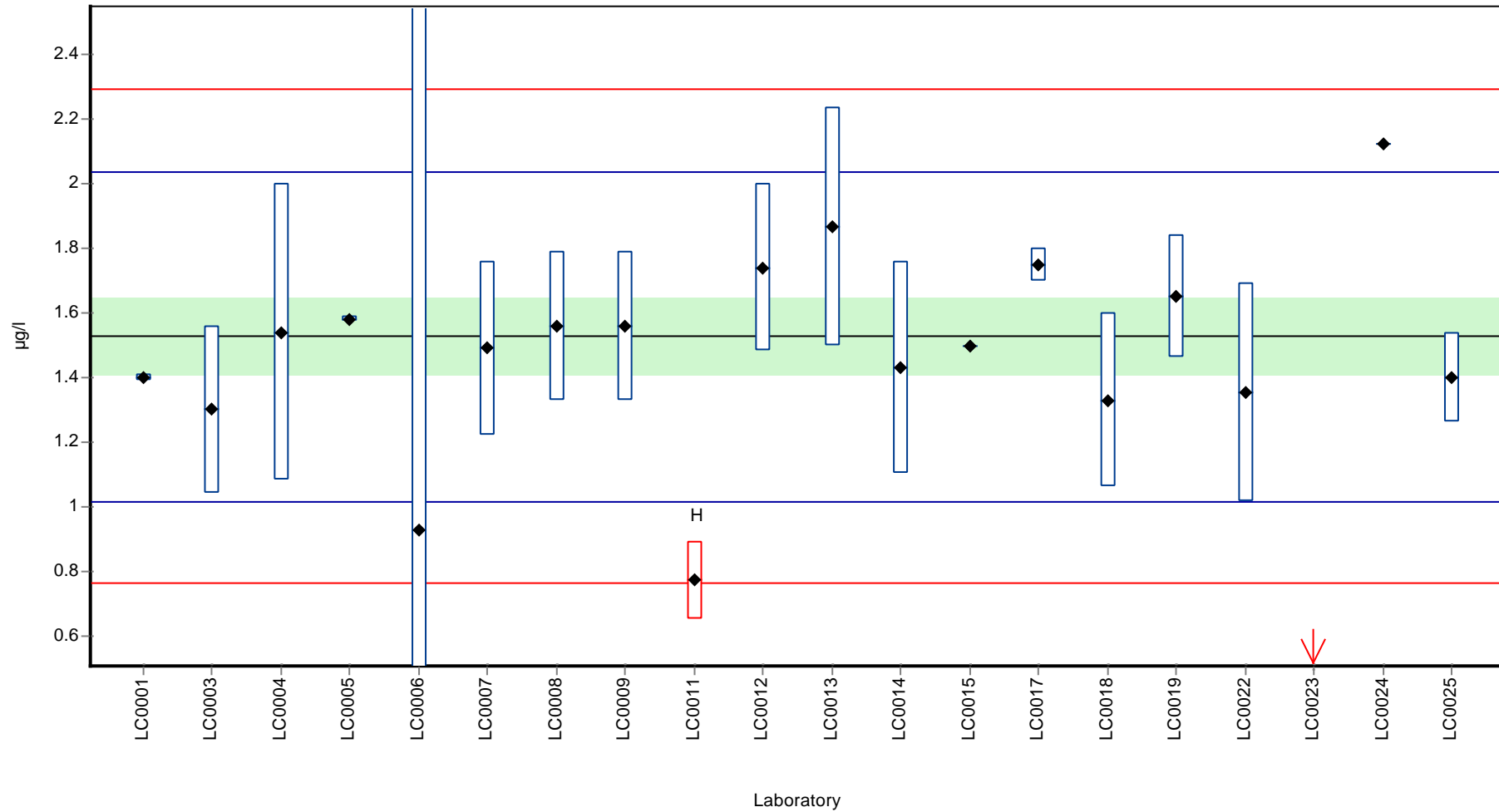
Unit	µg/l
Mean ± CI (99%)	1.53 ± 0.181
Minimum - Maximum	0.929 - 2.125
Check value ± U	1.4 ± 0.11

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	1.400	0.010	91.6	-0.5	
LC0002	-	-	-	-	
LC0003	1.300	0.260	85.1	-0.9	
LC0004	1.540	0.460	100.8	0.0	
LC0005	1.582	0.009	103.5	0.2	
LC0006	0.929	30.000	60.8	-2.3	
LC0007	1.490	0.270	97.5	-0.2	
LC0008	1.560	0.230	102.1	0.1	
LC0009	1.560	0.230	102.1	0.1	
LC0010	-	-	-	-	
LC0011	0.771	0.120	50.4	-3.0	H
LC0012	1.740	0.260	113.8	0.8	
LC0013	1.870	0.370	122.4	1.3	
LC0014	1.430	0.330	93.6	-0.4	
LC0015	1.500	-	98.1	-0.1	
LC0016	-	-	-	-	
LC0017	1.750	0.050	114.5	0.9	
LC0018	1.330	0.270	87.0	-0.8	
LC0019	1.650	0.190	108.0	0.5	
LC0020	-	-	-	-	
LC0021	-	-	-	-	
LC0022	1.355	0.340	88.7	-0.7	
LC0023	<0.1 (LOD)	-	-	-	FN
LC0024	2.125	-	139.0	2.3	
LC0025	1.400	0.140	91.6	-0.5	
LC0026	-	-	-	-	

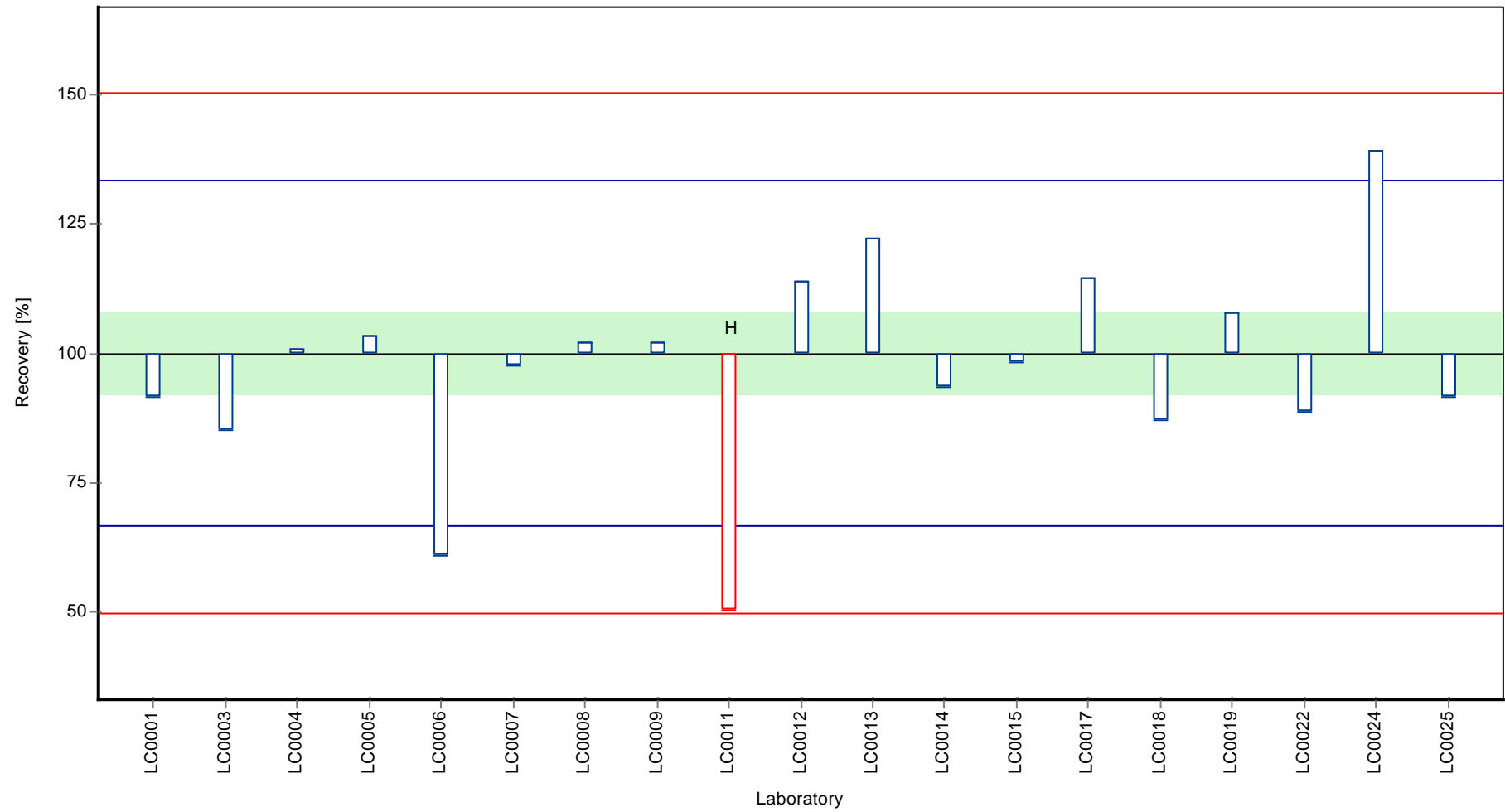
Characteristics of parameter

	all results	without outliers	Unit
Mean ± CI (99%)	1.49 ± 0.209	1.53 ± 0.181	µg/l
Minimum	0.771	0.929	µg/l
Maximum	2.12	2.12	µg/l
Standard deviation	0.303	0.256	µg/l
rel. Standard deviation	20.4	16.7	%
n	19	18	-

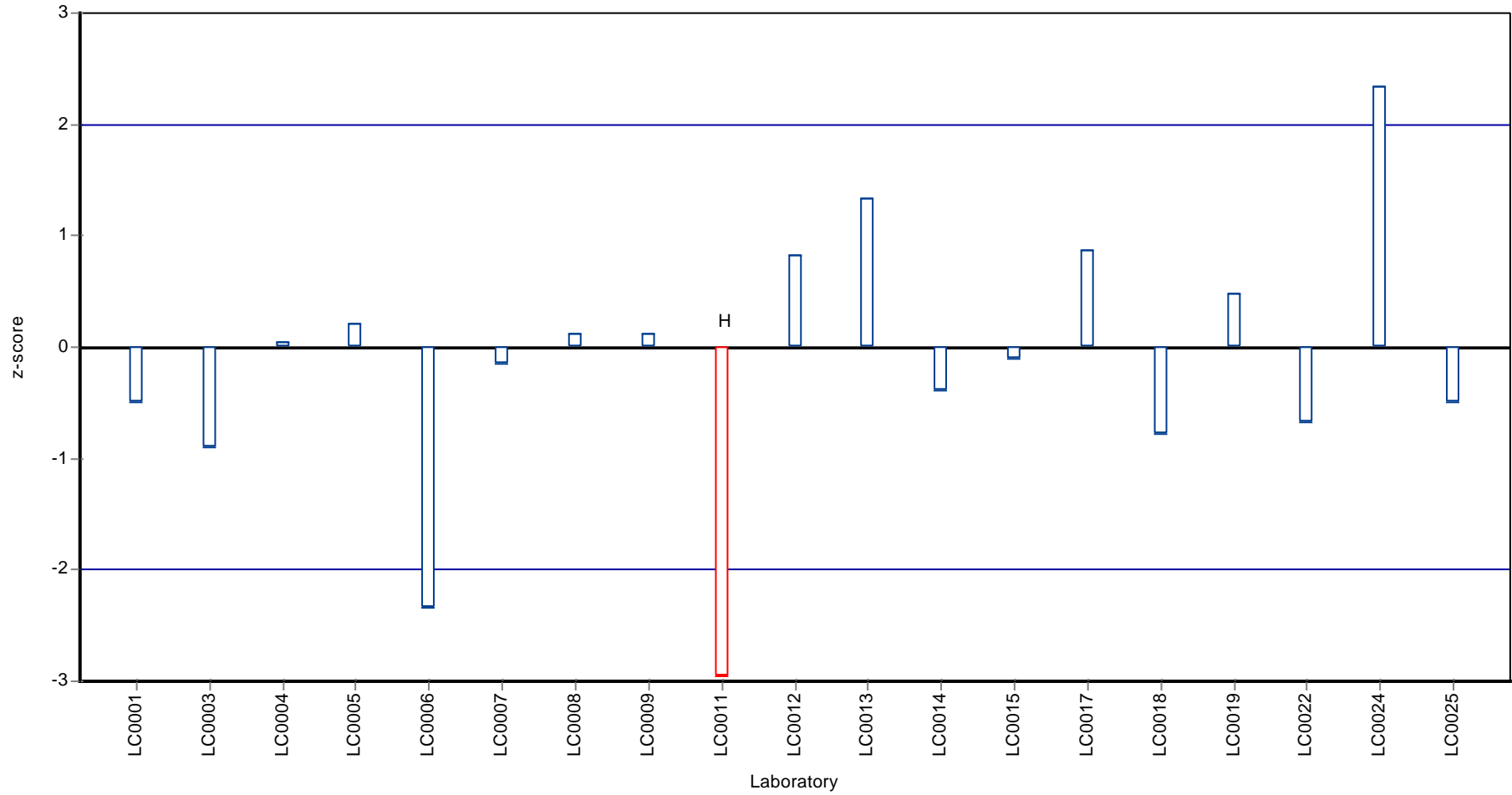
Graphical presentation of results
Results



Recovery rate



Z-score



Parameter oriented report

C55 A

1,1-Dichloroethene

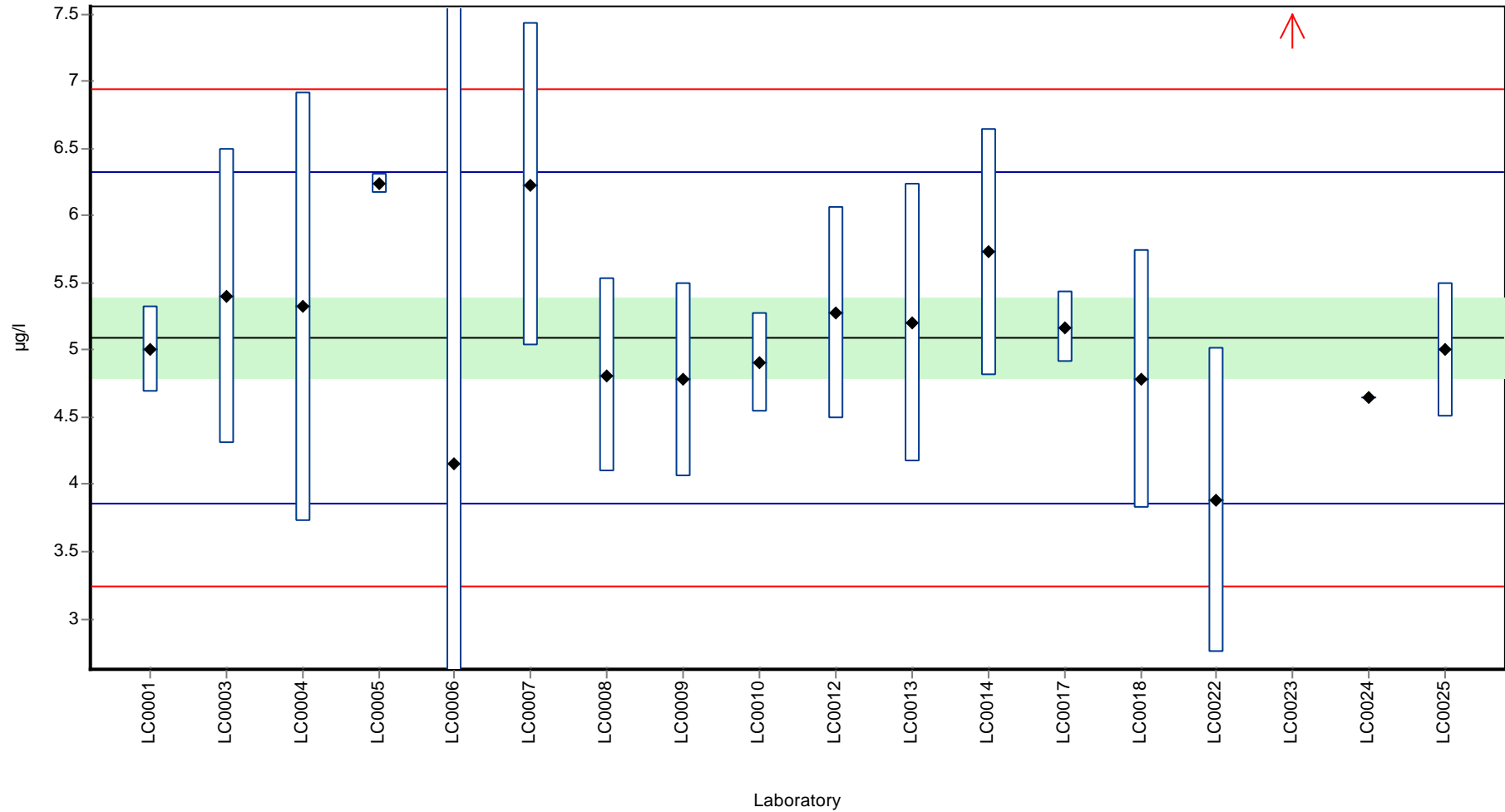
Unit	µg/l
Mean ± CI (99%)	5.09 ± 0.449
Minimum - Maximum	3.884 - 6.238
Check value ± U	4.8 ± 0.18

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	5.010	0.320	98.4	-0.1	
LC0002	-	-	-	-	
LC0003	5.400	1.100	106.1	0.5	
LC0004	5.320	1.600	104.5	0.4	
LC0005	6.238	0.076	122.5	1.9	
LC0006	4.150	50.000	81.5	-1.5	
LC0007	6.230	1.200	122.4	1.8	
LC0008	4.810	0.720	94.5	-0.5	
LC0009	4.780	0.720	93.9	-0.5	
LC0010	4.910	0.370	96.5	-0.3	
LC0011	-	-	-	-	
LC0012	5.280	0.790	103.7	0.3	
LC0013	5.200	1.040	102.1	0.2	
LC0014	5.730	0.920	112.6	1.0	
LC0015	-	-	-	-	
LC0016	-	-	-	-	
LC0017	5.170	0.270	101.6	0.1	
LC0018	4.780	0.960	93.9	-0.5	
LC0019	-	-	-	-	
LC0020	-	-	-	-	
LC0021	-	-	-	-	
LC0022	3.884	1.130	76.3	-2.0	
LC0023	13.000	1.300	255.4	12.8	H
LC0024	4.650	-	91.3	-0.7	
LC0025	5.000	0.500	98.2	-0.1	
LC0026	-	-	-	-	

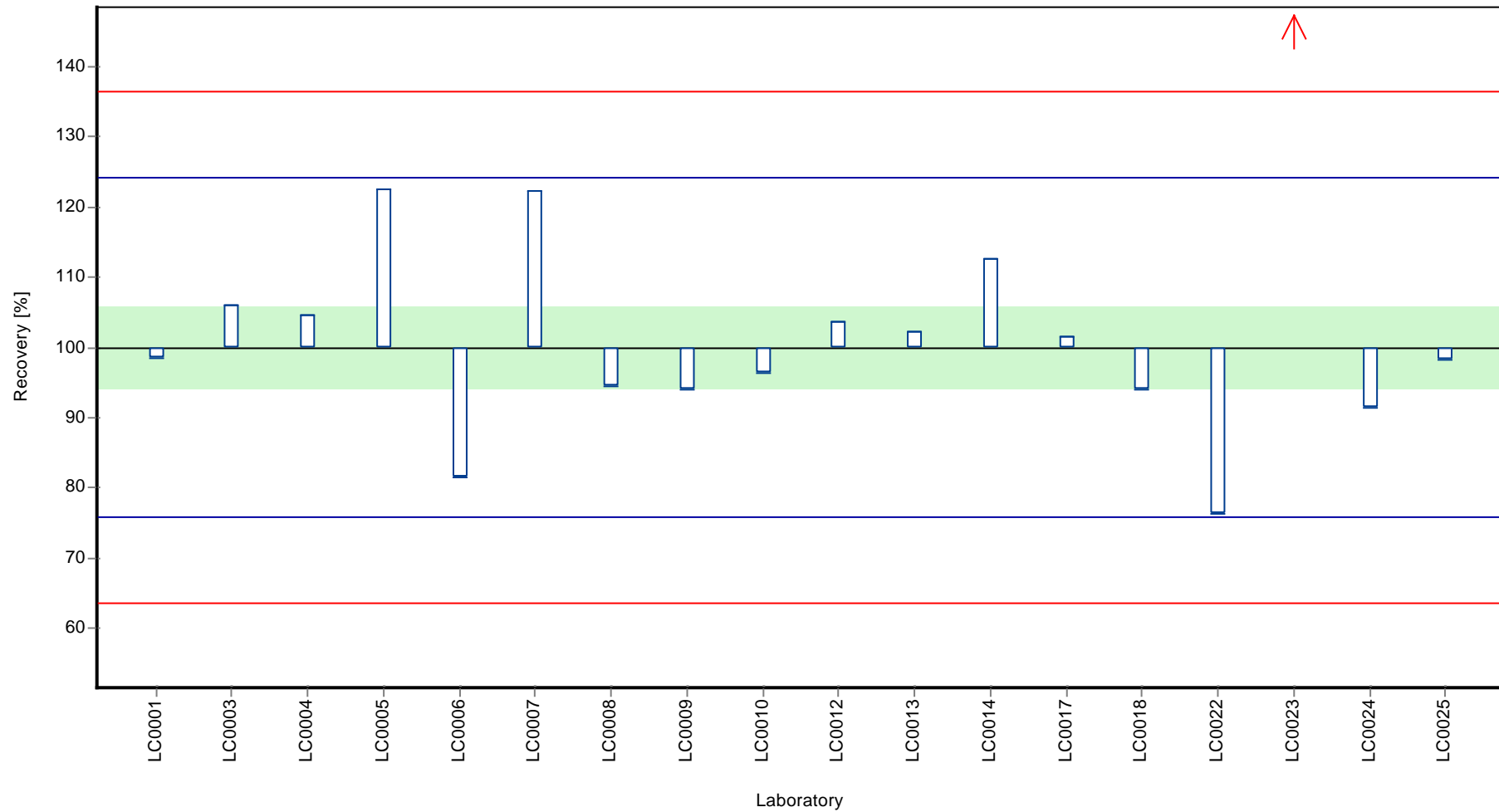
Characteristics of parameter

	all results	without outliers	Unit
Mean ± CI (99%)	5.53 ± 1.38	5.09 ± 0.449	µg/l
Minimum	3.88	3.88	µg/l
Maximum	13	6.24	µg/l
Standard deviation	1.96	0.616	µg/l
rel. Standard deviation	35.4	12.1	%
n	18	17	-

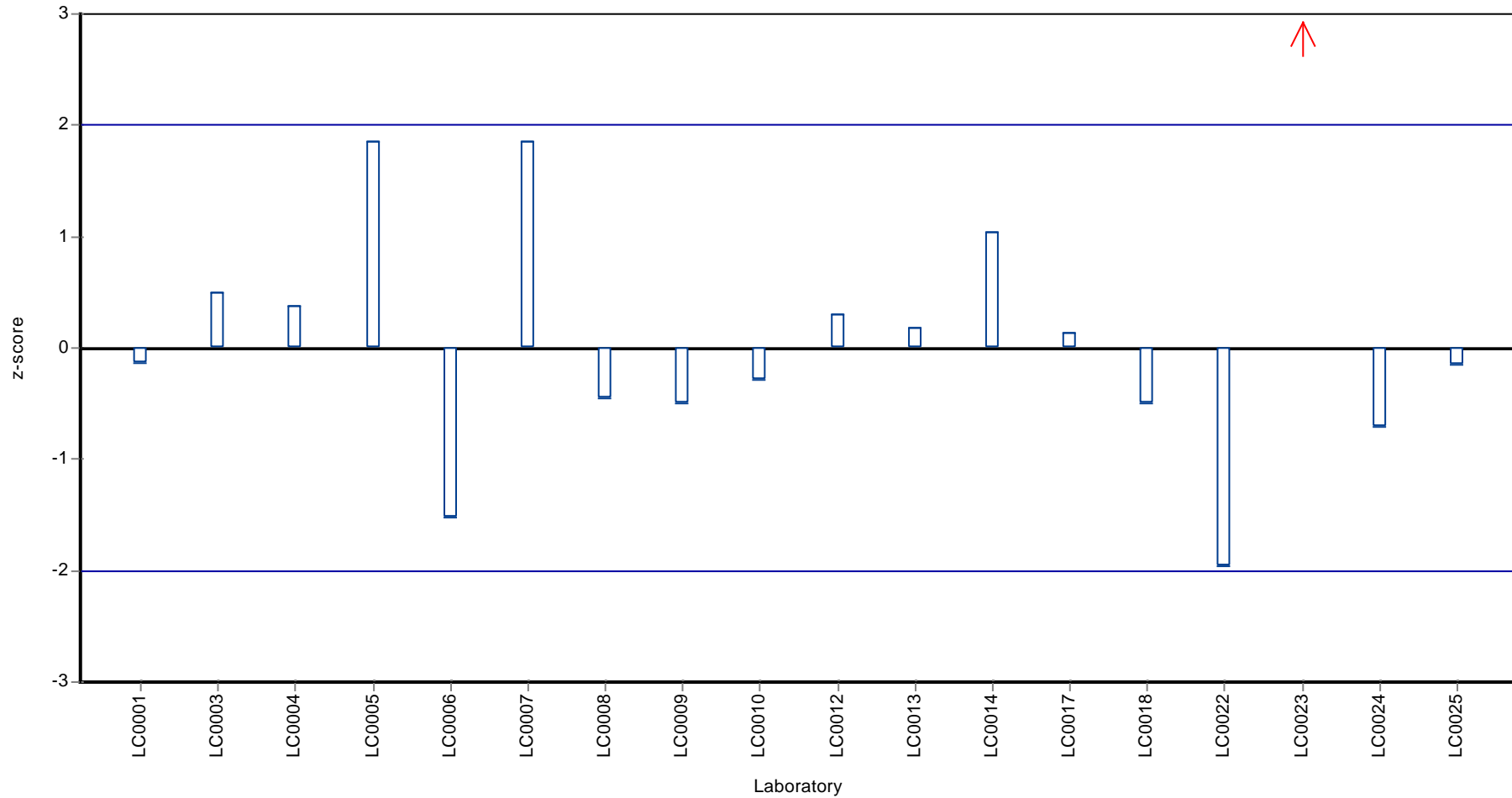
Graphical presentation of results
Results



Recovery rate



Z-score



Parameter oriented report

C55 B

1,1-Dichloroethene

Unit	µg/l
Mean ± CI (99%)	-
Minimum - Maximum	-
Check value ± U	< 0.061 (LOD)

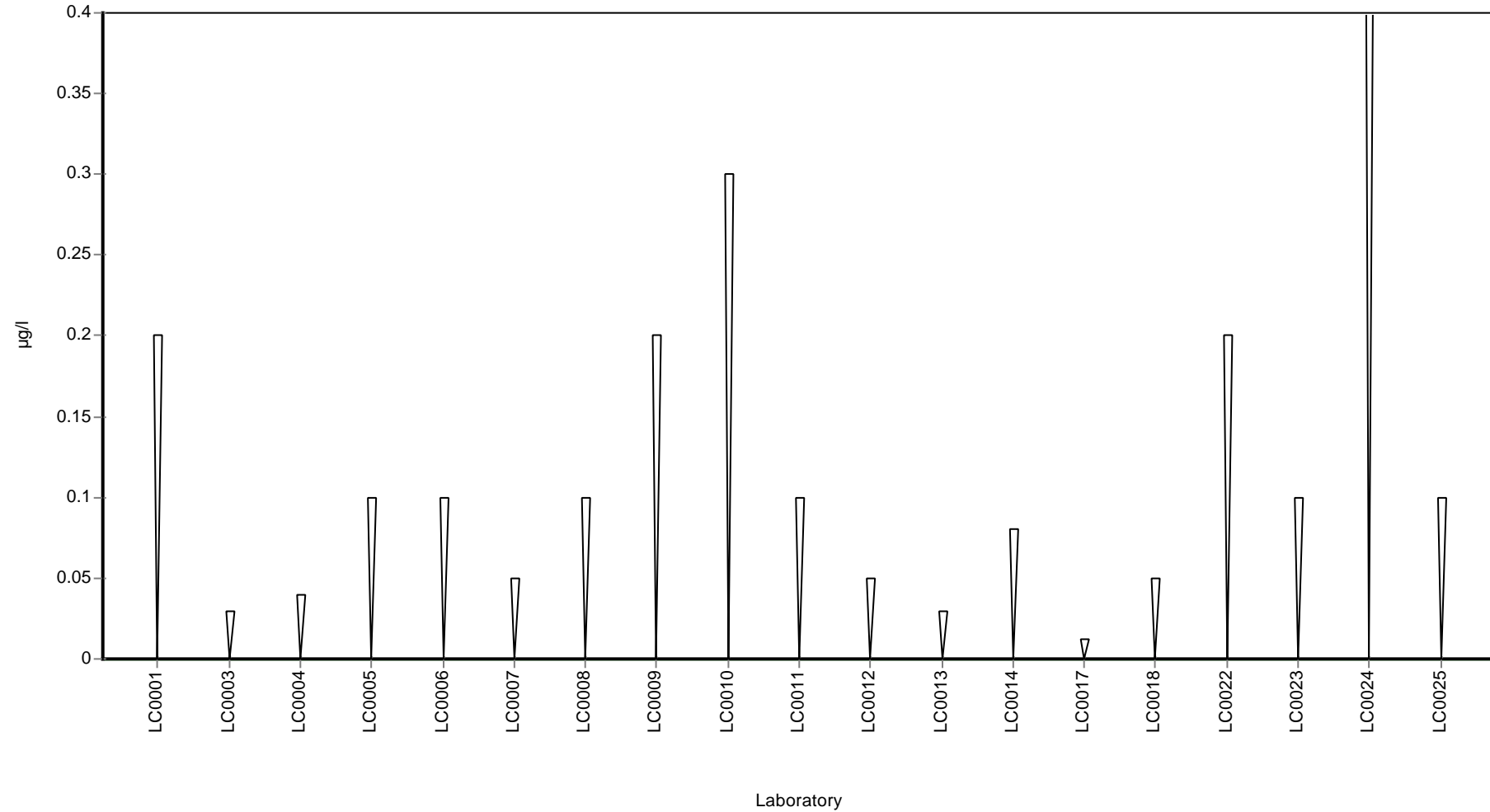
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	< 0.2 (LOQ)	-	-	-	
LC0002	-	-	-	-	
LC0003	< 0.03 (LOQ)	-	-	-	
LC0004	< 0.04 (LOQ)	-	-	-	
LC0005	< 0.1 (LOQ)	-	-	-	
LC0006	< 0.1 (LOQ)	-	-	-	
LC0007	< 0.05 (LOQ)	-	-	-	
LC0008	<0.1 (LOD)	-	-	-	
LC0009	< 0.2 (LOQ)	-	-	-	
LC0010	< 0.3 (LOQ)	-	-	-	
LC0011	< 0.1 (LOQ)	-	-	-	
LC0012	< 0.05 (LOQ)	-	-	-	
LC0013	< 0.03 (LOQ)	-	-	-	
LC0014	< 0.08 (LOQ)	-	-	-	
LC0015	-	-	-	-	
LC0016	-	-	-	-	
LC0017	<0.012 (LOD)	-	-	-	
LC0018	< 0.05 (LOQ)	-	-	-	
LC0019	-	-	-	-	
LC0020	-	-	-	-	
LC0021	-	-	-	-	
LC0022	< 0.2 (LOQ)	-	-	-	
LC0023	<0.1 (LOD)	-	-	-	
LC0024	< 0.5 (LOQ)	-	-	-	
LC0025	< 0.1 (LOQ)	-	-	-	
LC0026	-	-	-	-	

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	-

Graphical presentation of results

Results



Parameter oriented report Volatile Halogenated Hydrocarbons C55

Sample: C55A, Parameter: trans-1,2-Dichloroethene

Parameter oriented report

C55 A

trans-1,2-Dichloroethene

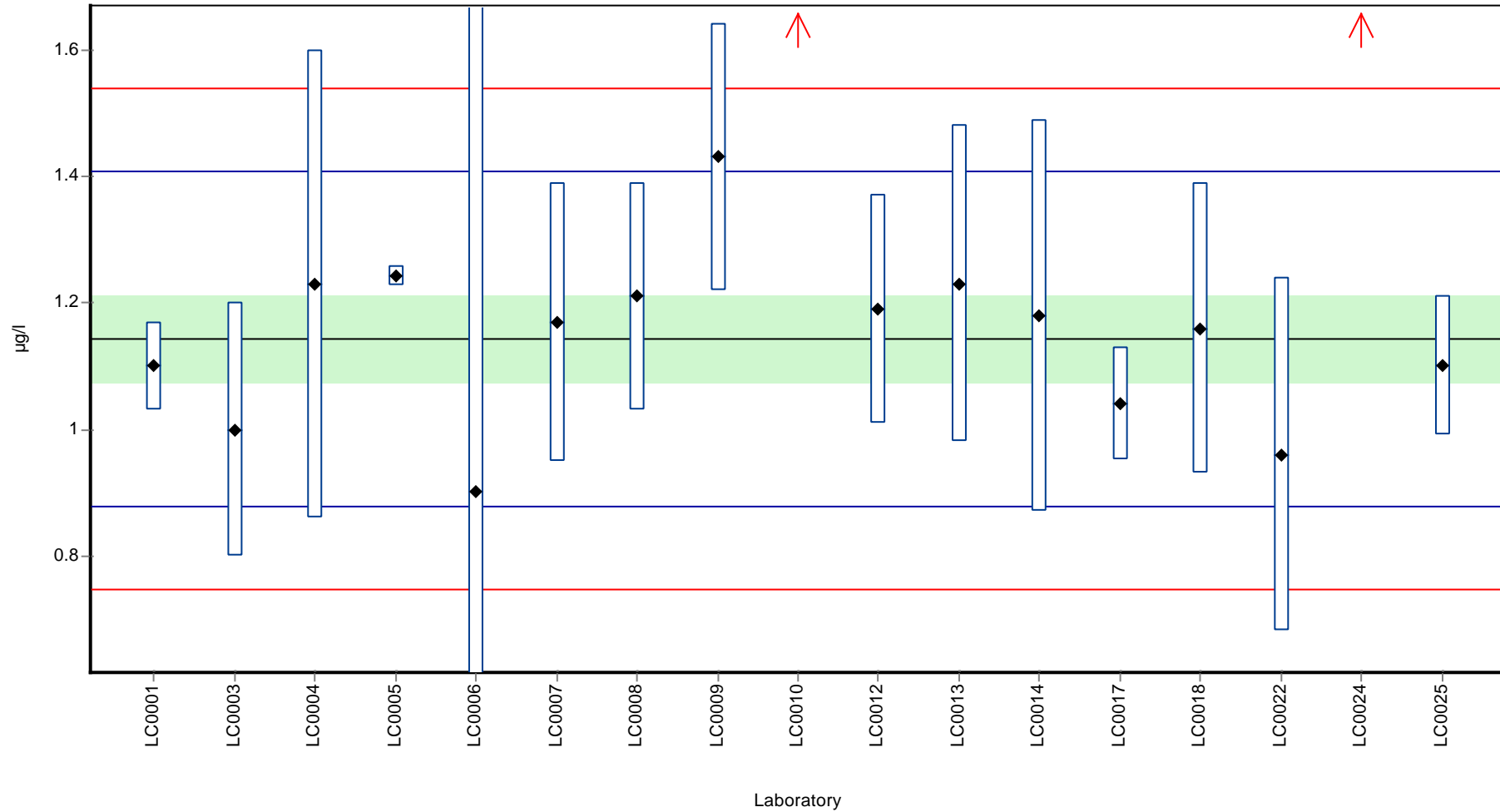
Unit	µg/l
Mean ± CI (99%)	1.14 ± 0.102
Minimum - Maximum	0.902 - 1.43
Check value ± U	1.1 ± 0.11

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	1.100	0.070	96.2	-0.3	
LC0002	-	-	-	-	
LC0003	1.000	0.200	87.5	-1.1	
LC0004	1.230	0.370	107.6	0.7	
LC0005	1.243	0.016	108.7	0.8	
LC0006	0.902	30.000	78.9	-1.8	
LC0007	1.170	0.220	102.4	0.2	
LC0008	1.210	0.180	105.9	0.5	
LC0009	1.430	0.210	125.1	2.2	
LC0010	1.820	0.740	159.2	5.1	H
LC0011	-	-	-	-	
LC0012	1.190	0.180	104.1	0.4	
LC0013	1.230	0.250	107.6	0.7	
LC0014	1.180	0.310	103.2	0.3	
LC0015	-	-	-	-	
LC0016	-	-	-	-	
LC0017	1.040	0.089	91.0	-0.8	
LC0018	1.160	0.230	101.5	0.1	
LC0019	-	-	-	-	
LC0020	-	-	-	-	
LC0021	-	-	-	-	
LC0022	0.961	0.280	84.1	-1.4	
LC0023	-	-	-	-	
LC0024	1.903	-	166.5	5.8	H
LC0025	1.100	0.110	96.2	-0.3	
LC0026	-	-	-	-	

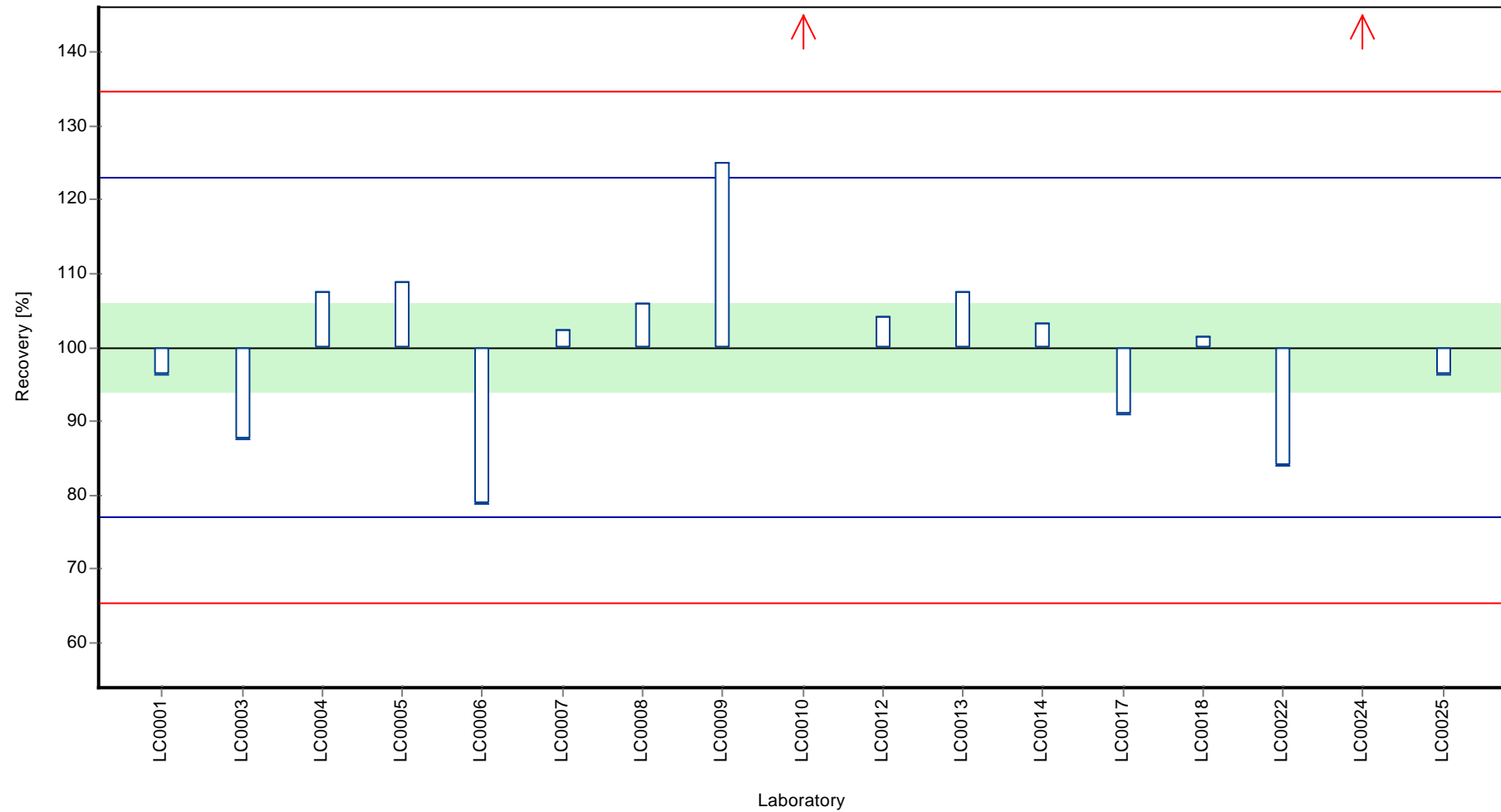
Characteristics of parameter

	all results	without outliers	Unit
Mean ± CI (99%)	1.23 ± 0.196	1.14 ± 0.102	µg/l
Minimum	0.902	0.902	µg/l
Maximum	1.9	1.43	µg/l
Standard deviation	0.269	0.132	µg/l
rel. Standard deviation	21.9	11.5	%
n	17	15	-

Graphical presentation of results
Results



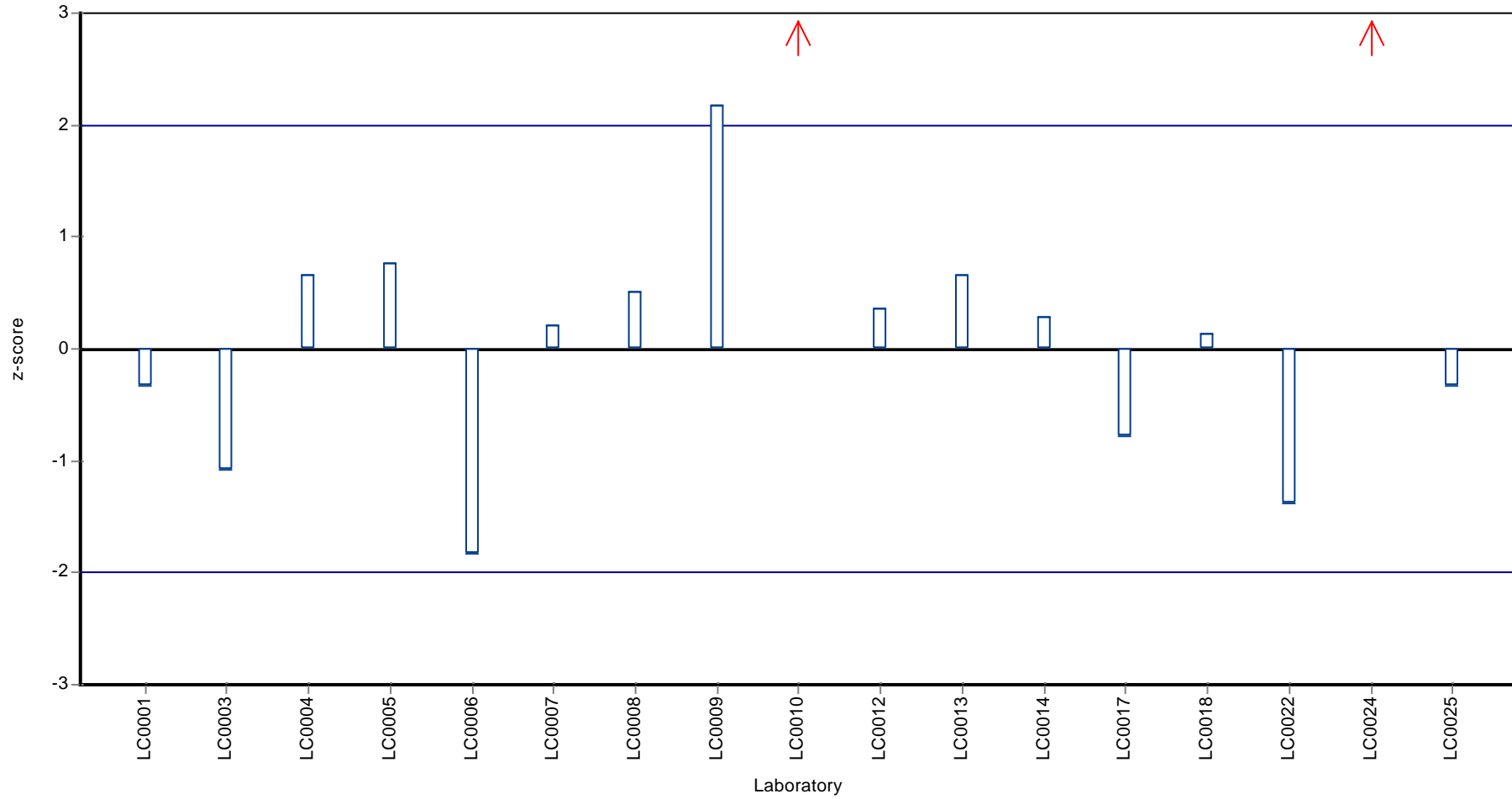
Recovery rate



Parameter oriented report Volatile Halogenated Hydrocarbons C55

Sample: C55A, Parameter: trans-1,2-Dichloroethene

Z-score



Parameter oriented report Volatile Halogenated Hydrocarbons C55

Sample: C55B, Parameter: trans-1,2-Dichloroethene

Parameter oriented report

C55 B

trans-1,2-Dichloroethene

Unit	µg/l
Mean ± CI (99%)	-
Minimum - Maximum	0.933 - 0.933
Check value ± U	< 0.063 (LOD)

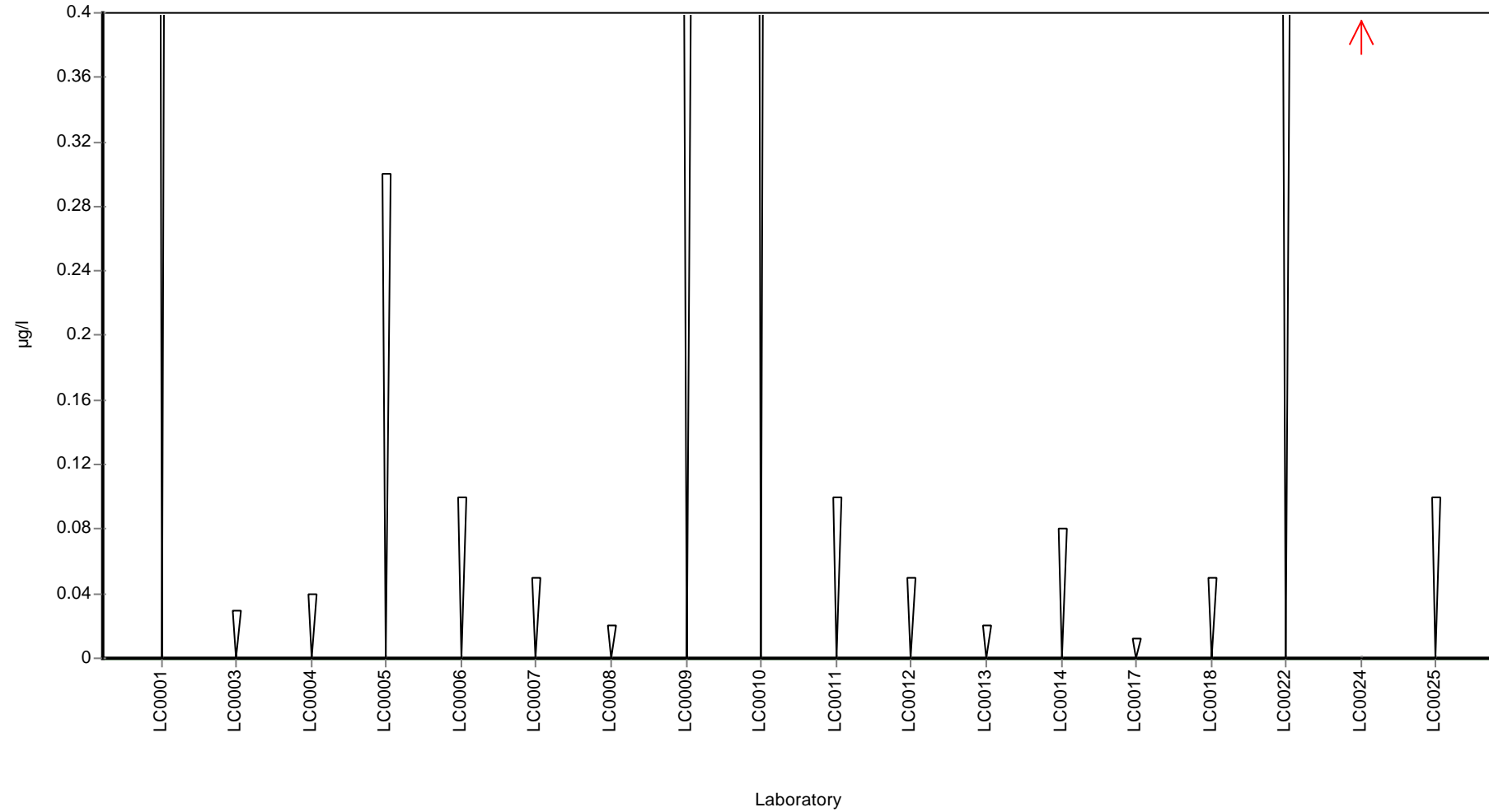
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	< 1 (LOQ)	-	-	-	
LC0002	-	-	-	-	
LC0003	< 0.03 (LOQ)	-	-	-	
LC0004	< 0.04 (LOQ)	-	-	-	
LC0005	< 0.3 (LOQ)	-	-	-	
LC0006	< 0.1 (LOQ)	-	-	-	
LC0007	< 0.05 (LOQ)	-	-	-	
LC0008	<0.02 (LOD)	-	-	-	
LC0009	< 0.5 (LOQ)	-	-	-	
LC0010	< 1 (LOQ)	-	-	-	
LC0011	< 0.1 (LOQ)	-	-	-	
LC0012	< 0.05 (LOQ)	-	-	-	
LC0013	< 0.02 (LOQ)	-	-	-	
LC0014	< 0.08 (LOQ)	-	-	-	
LC0015	-	-	-	-	
LC0016	-	-	-	-	
LC0017	<0.012 (LOD)	-	-	-	
LC0018	< 0.05 (LOQ)	-	-	-	
LC0019	-	-	-	-	
LC0020	-	-	-	-	
LC0021	-	-	-	-	
LC0022	< 0.5 (LOQ)	-	-	-	
LC0023	-	-	-	-	
LC0024	0.933	-	-	-	FN
LC0025	< 0.1 (LOQ)	-	-	-	
LC0026	-	-	-	-	

Characteristics of parameter

	all results	without outliers	Unit
Mean ± CI (99%)	0.933	-	µg/l
Minimum	0.933	0.933	µg/l
Maximum	0.933	0.933	µg/l
Standard deviation	-	-	µg/l
rel. Standard deviation	-	-	%
n	1	1	-

Graphical presentation of results

Results



Parameter oriented report

C55 A

Dichloromethane

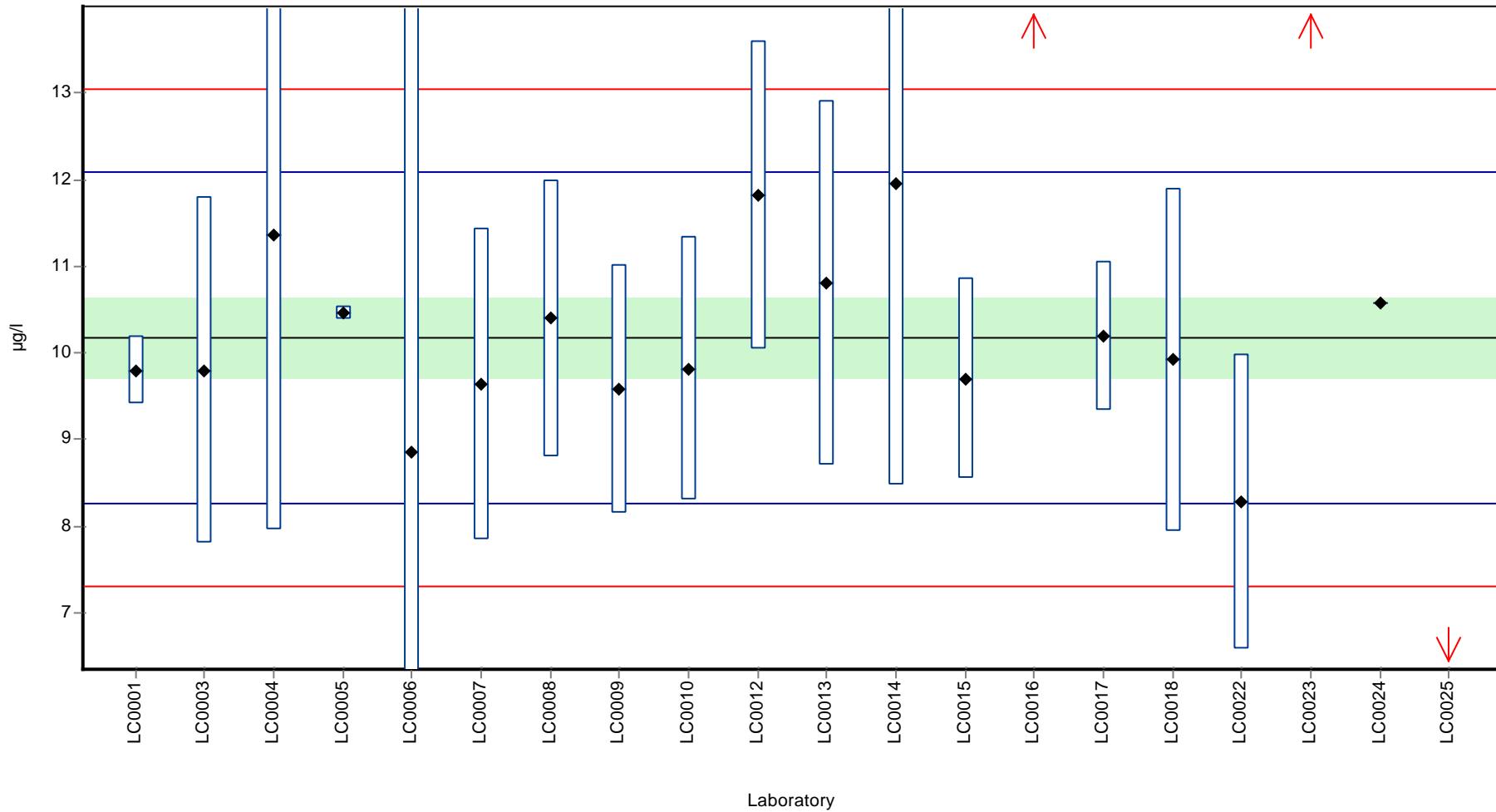
Unit	µg/l
Mean ± CI (99%)	10.2 ± 0.696
Minimum - Maximum	8.279 - 11.95
Check value ± U	10 ± 0.37

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	9.800	0.400	96.3	-0.4	
LC0002	-	-	-	-	
LC0003	9.800	2.000	96.3	-0.4	
LC0004	11.360	3.410	111.7	1.2	
LC0005	10.460	0.077	102.8	0.3	
LC0006	8.855	30.000	87.0	-1.4	
LC0007	9.640	1.800	94.7	-0.6	
LC0008	10.400	1.600	102.2	0.2	
LC0009	9.580	1.440	94.2	-0.6	
LC0010	9.820	1.520	96.5	-0.4	
LC0011	-	-	-	-	
LC0012	11.820	1.770	116.2	1.7	
LC0013	10.800	2.100	106.1	0.7	
LC0014	11.950	3.470	117.5	1.9	
LC0015	9.700	1.160	95.3	-0.5	
LC0016	20.070	-	197.3	10.4	H
LC0017	10.200	0.860	100.3	0.0	
LC0018	9.920	1.980	97.5	-0.3	
LC0019	-	-	-	-	
LC0020	-	-	-	-	
LC0021	-	-	-	-	
LC0022	8.279	1.700	81.4	-2.0	
LC0023	18.000	1.800	176.9	8.2	H
LC0024	10.579	-	104.0	0.4	
LC0025	6.200	0.620	60.9	-4.2	H
LC0026	-	-	-	-	

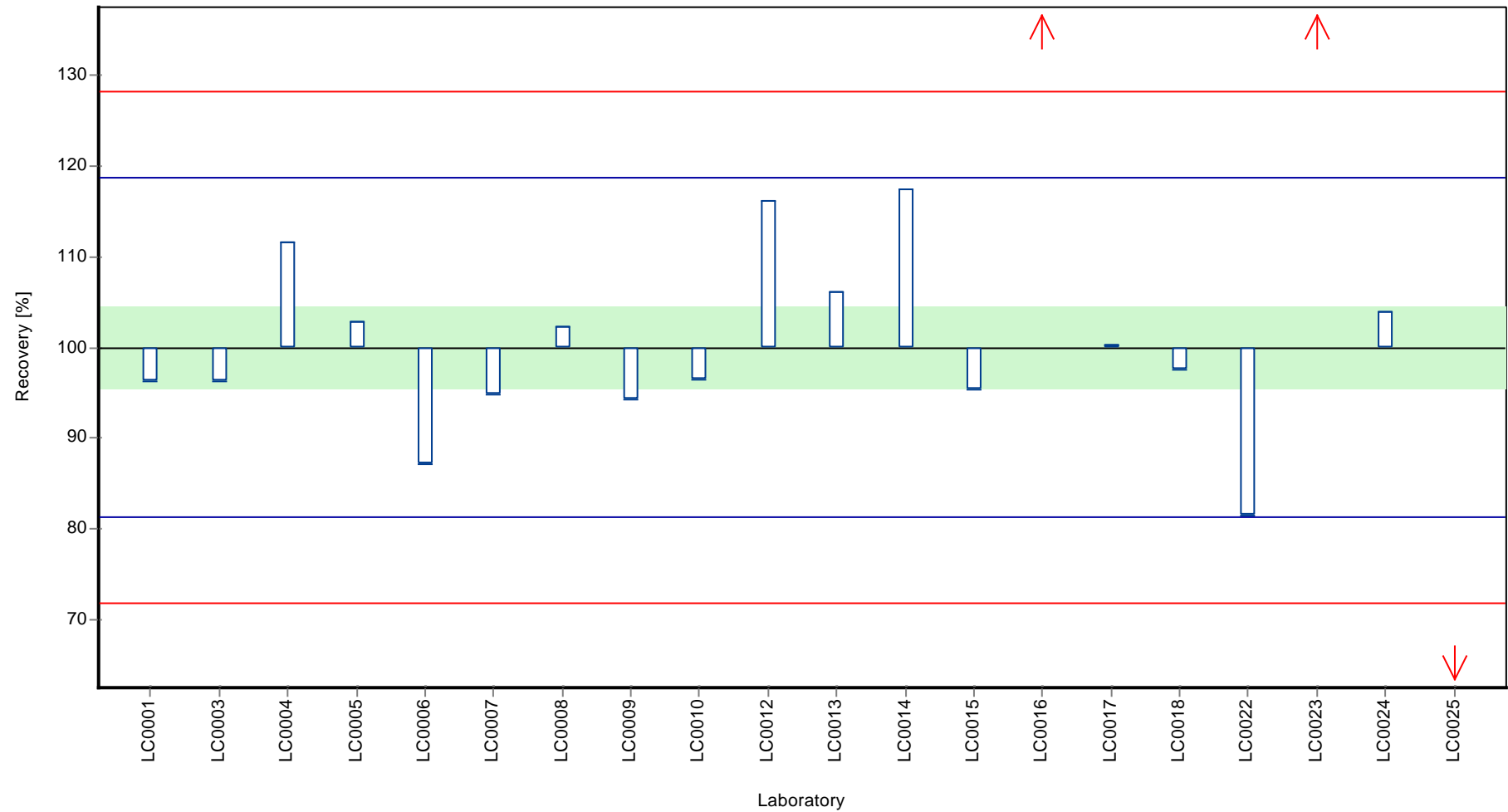
Characteristics of parameter

	all results	without outliers	Unit
Mean ± CI (99%)	10.9 ± 2.07	10.2 ± 0.696	µg/l
Minimum	6.2	8.28	µg/l
Maximum	20.1	11.9	µg/l
Standard deviation	3.08	0.956	µg/l
rel. Standard deviation	28.3	9.4	%
n	20	17	-

Graphical presentation of results
Results



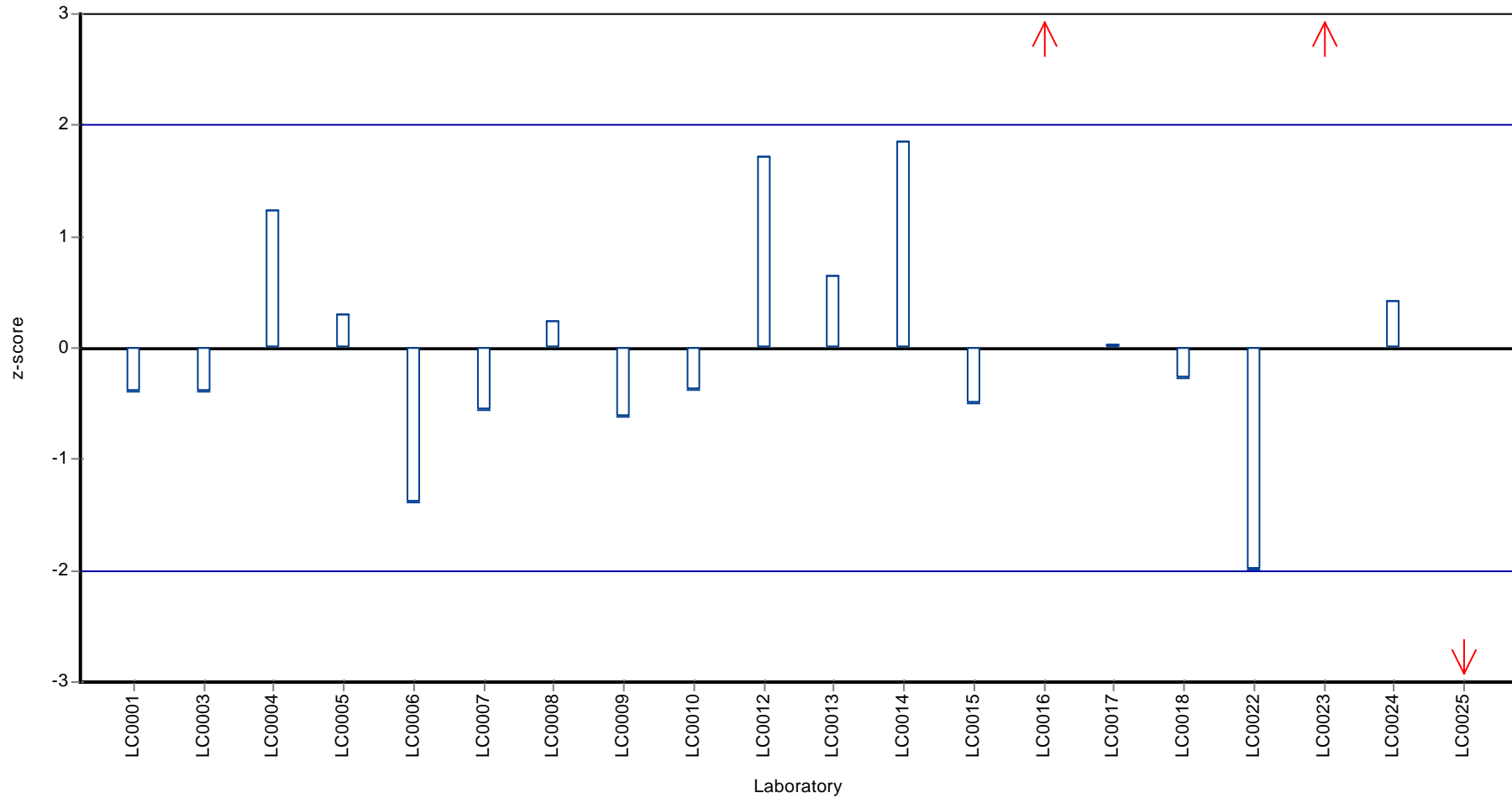
Recovery rate



Parameter oriented report Volatile Halogenated Hydrocarbons C55

Sample: C55A, Parameter: Dichloromethane

Z-score



Parameter oriented report

C55 B

Dichloromethane

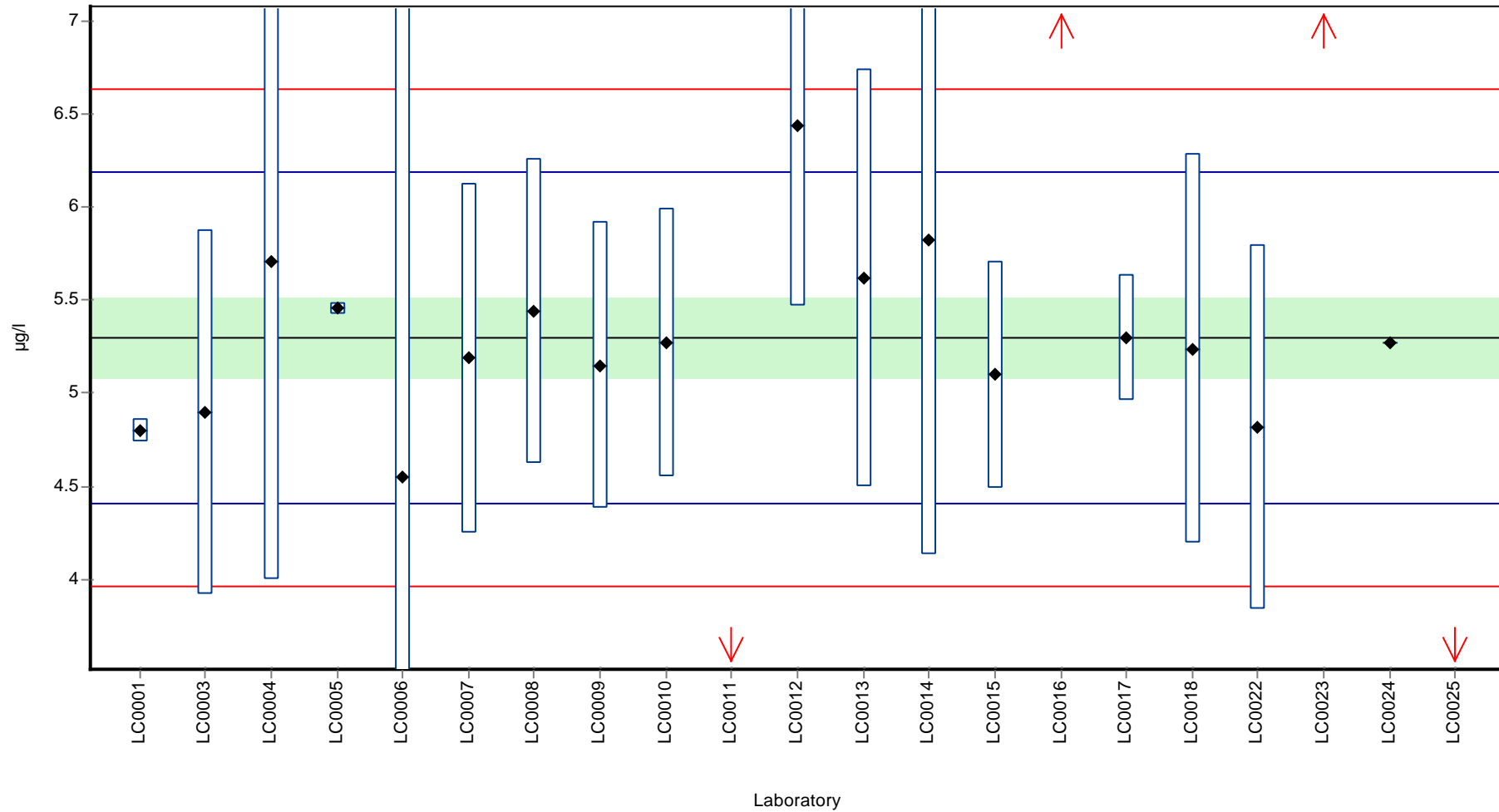
Unit	µg/l
Mean ± CI (99%)	5.3 ± 0.324
Minimum - Maximum	4.546 - 6.44
Check value ± U	5.4 ± 0.17

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	4.800	0.060	90.6	-1.1	
LC0002	-	-	-	-	
LC0003	4.900	0.980	92.5	-0.9	
LC0004	5.710	1.710	107.8	0.9	
LC0005	5.457	0.030	103.0	0.4	
LC0006	4.546	30.000	85.8	-1.7	
LC0007	5.190	0.940	98.0	-0.2	
LC0008	5.440	0.820	102.7	0.3	
LC0009	5.150	0.770	97.2	-0.3	
LC0010	5.270	0.720	99.5	-0.1	
LC0011	1.920	0.290	36.2	-7.6	H
LC0012	6.440	0.970	121.5	2.6	
LC0013	5.620	1.120	106.1	0.7	
LC0014	5.820	1.690	109.8	1.2	
LC0015	5.100	0.610	96.3	-0.4	
LC0016	11.060	-	208.7	12.9	H
LC0017	5.300	0.340	100.0	0.0	
LC0018	5.240	1.050	98.9	-0.1	
LC0019	-	-	-	-	
LC0020	-	-	-	-	
LC0021	-	-	-	-	
LC0022	4.818	0.980	90.9	-1.1	
LC0023	9.000	0.900	169.9	8.3	H
LC0024	5.271	-	99.5	-0.1	
LC0025	1.200	0.120	22.6	-9.2	H
LC0026	-	-	-	-	

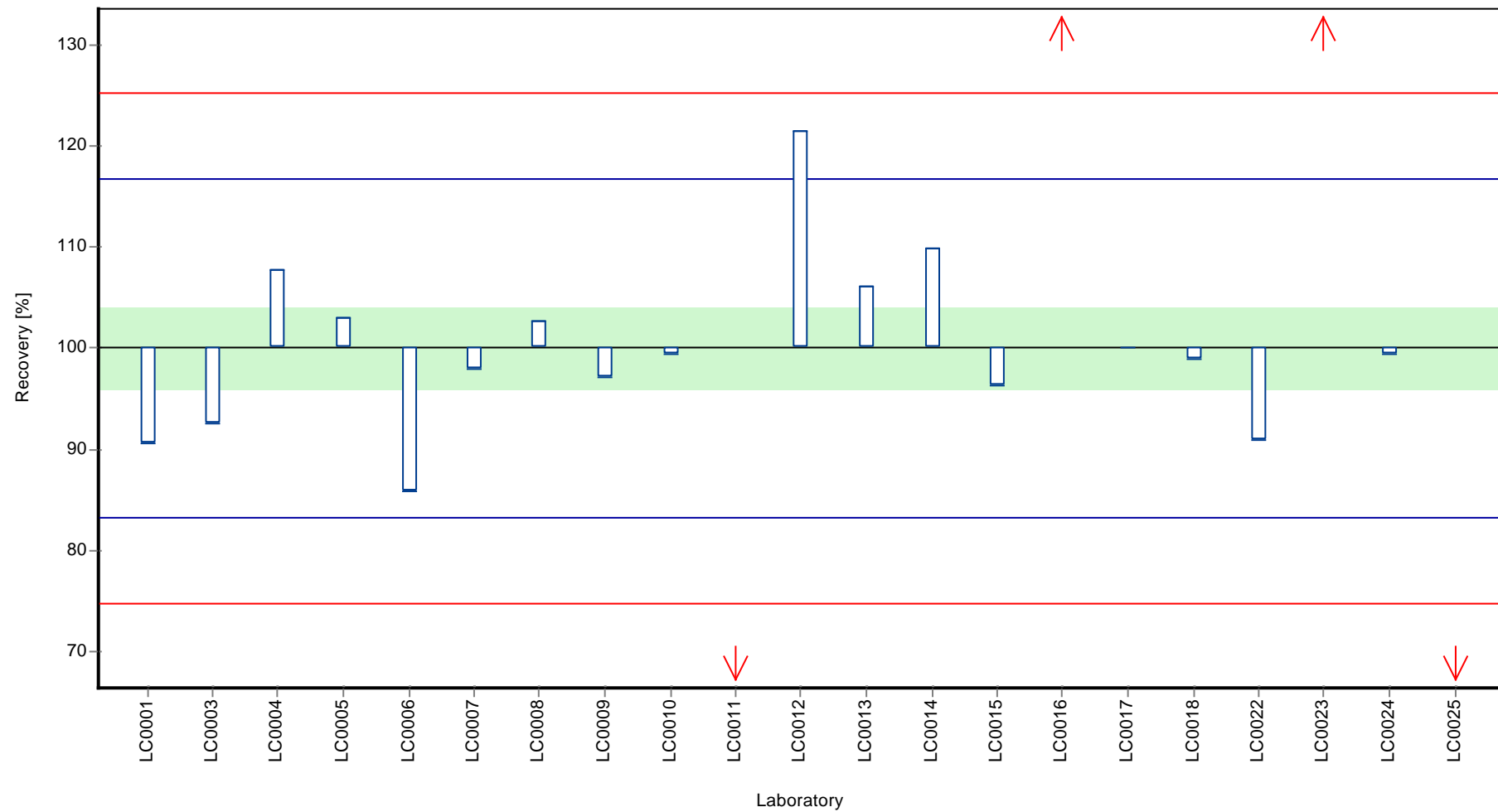
Characteristics of parameter

	all results	without outliers	Unit
Mean ± CI (99%)	5.39 ± 1.29	5.3 ± 0.324	µg/l
Minimum	1.2	4.55	µg/l
Maximum	11.1	6.44	µg/l
Standard deviation	1.98	0.446	µg/l
rel. Standard deviation	36.6	8.41	%
n	21	17	-

Graphical presentation of results
Results



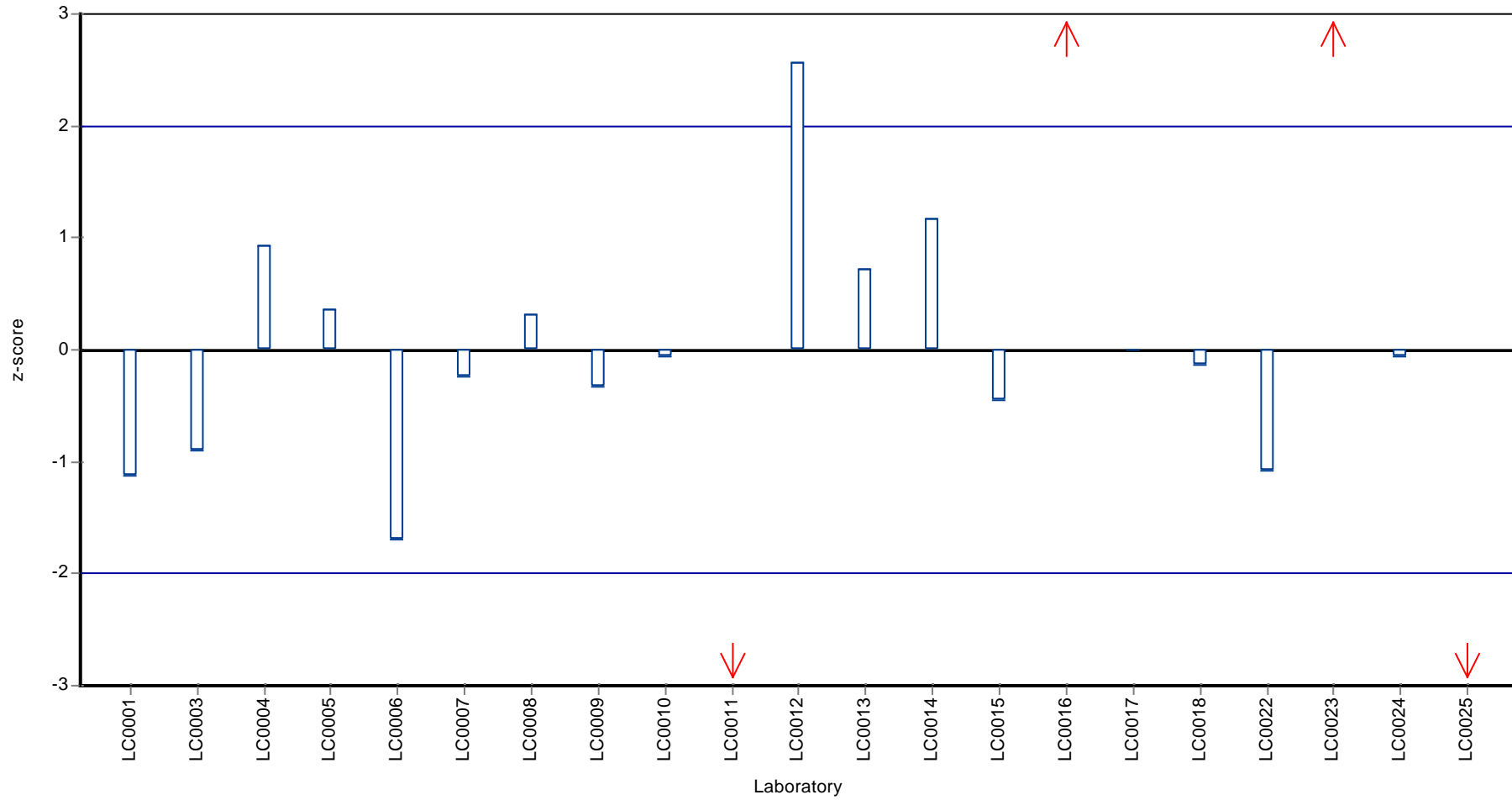
Recovery rate



Parameter oriented report Volatile Halogenated Hydrocarbons C55

Sample: C55B, Parameter: Dichloromethane

Z-score



Parameter oriented report Volatile Halogenated Hydrocarbons C55

Sample: C55A, Parameter: Tetrachloroethene

Parameter oriented report

C55 A

Tetrachloroethene

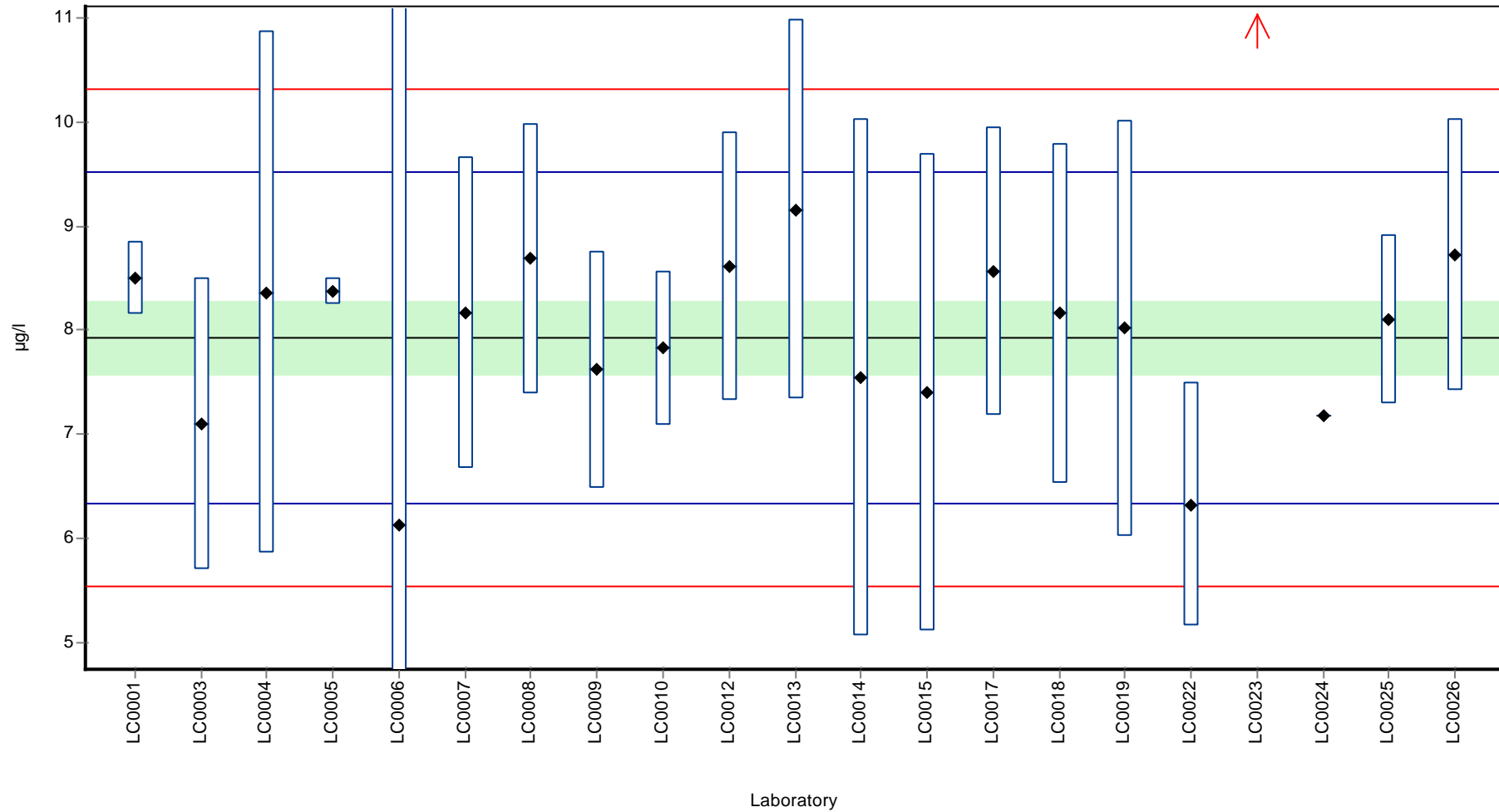
Unit	µg/l
Mean ± CI (99%)	7.93 ± 0.535
Minimum - Maximum	6.125 - 9.16
Check value ± U	8.1 ± 0.5

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	8.500	0.350	107.2	0.7	
LC0002	-	-	-	-	
LC0003	7.100	1.400	89.6	-1.0	
LC0004	8.360	2.510	105.5	0.5	
LC0005	8.370	0.129	105.6	0.6	
LC0006	6.125	30.000	77.3	-2.3	
LC0007	8.170	1.500	103.1	0.3	
LC0008	8.690	1.300	109.6	1.0	
LC0009	7.620	1.140	96.1	-0.4	
LC0010	7.830	0.740	98.8	-0.1	
LC0011	-	-	-	-	
LC0012	8.610	1.290	108.6	0.9	
LC0013	9.160	1.830	115.6	1.5	
LC0014	7.540	2.490	95.1	-0.5	
LC0015	7.400	2.300	93.4	-0.7	
LC0016	-	-	-	-	
LC0017	8.570	1.390	108.1	0.8	
LC0018	8.160	1.630	102.9	0.3	
LC0019	8.020	2.000	101.2	0.1	
LC0020	-	-	-	-	
LC0021	-	-	-	-	
LC0022	6.322	1.170	79.8	-2.0	
LC0023	22.000	2.200	277.5	17.7	H
LC0024	7.176	-	90.5	-0.9	
LC0025	8.100	0.810	102.2	0.2	
LC0026	8.719	1.308	110.0	1.0	

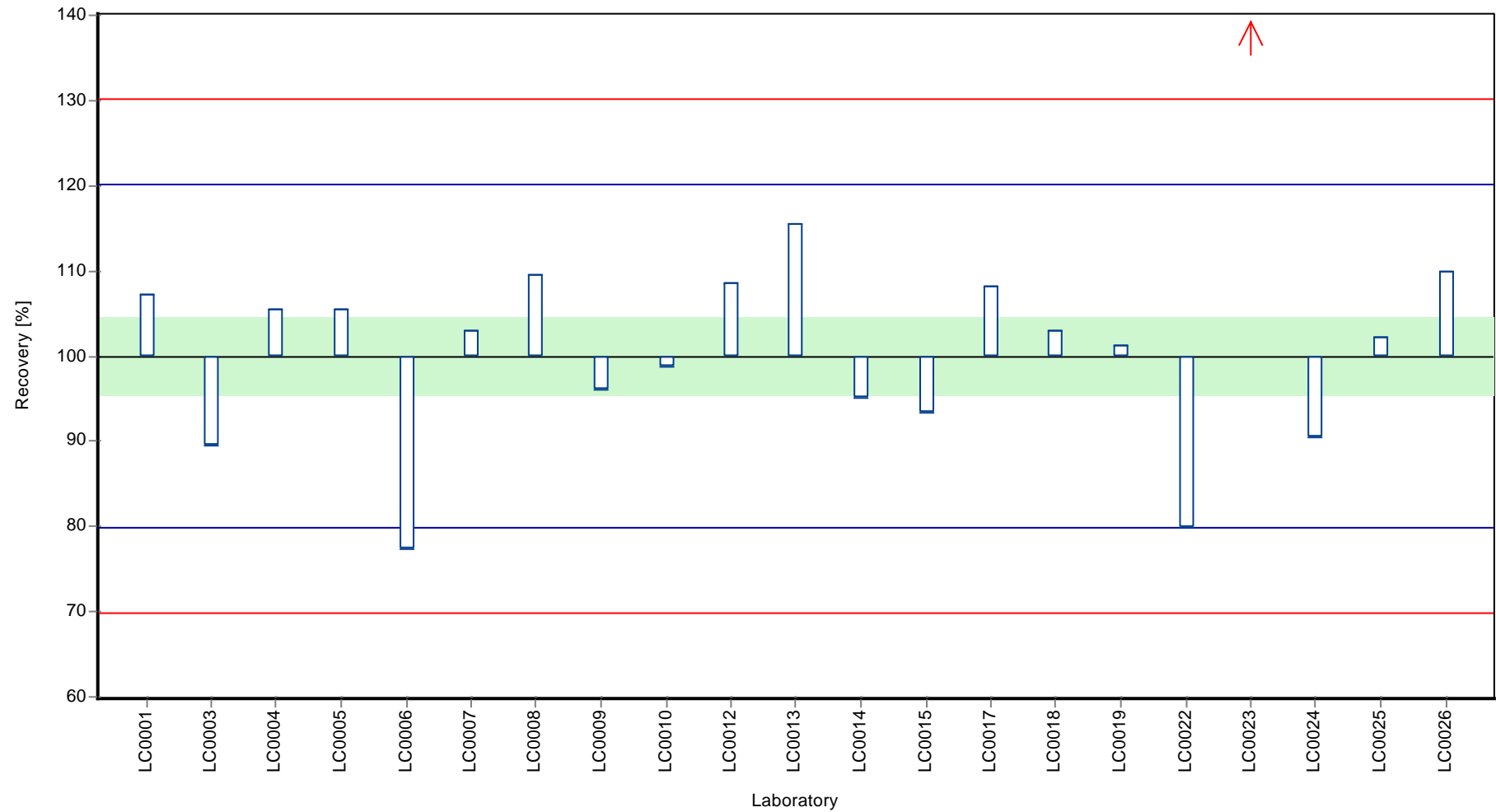
Characteristics of parameter

	all results	without outliers	Unit
Mean ± CI (99%)	8.6 ± 2.07	7.93 ± 0.535	µg/l
Minimum	6.12	6.12	µg/l
Maximum	22	9.16	µg/l
Standard deviation	3.17	0.797	µg/l
rel. Standard deviation	36.8	10.1	%
n	21	20	-

Graphical presentation of results
Results



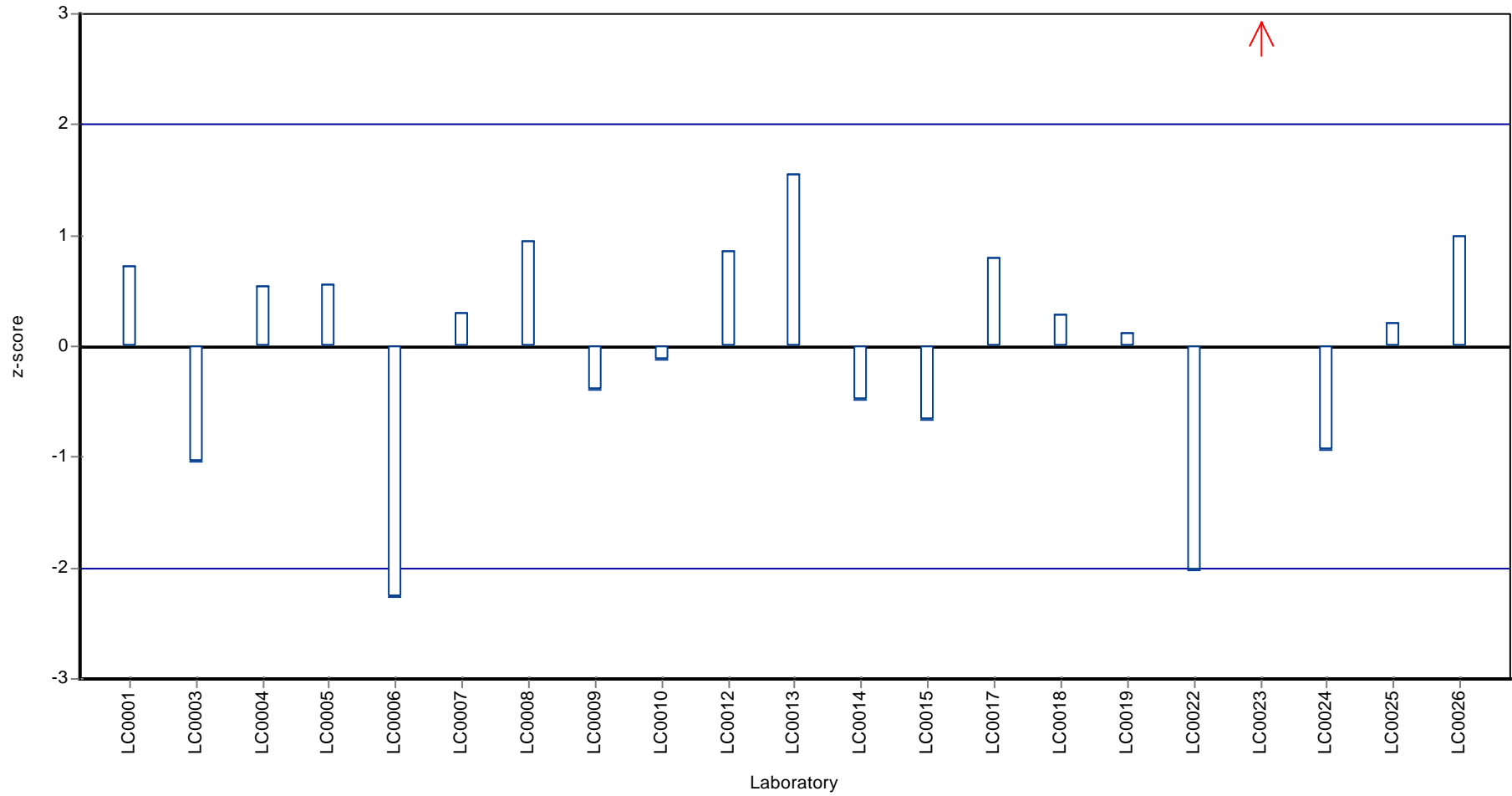
Recovery rate



Parameter oriented report Volatile Halogenated Hydrocarbons C55

Sample: C55A, Parameter: Tetrachloroethene

Z-score



Parameter oriented report

C55 B

Tetrachloroethene

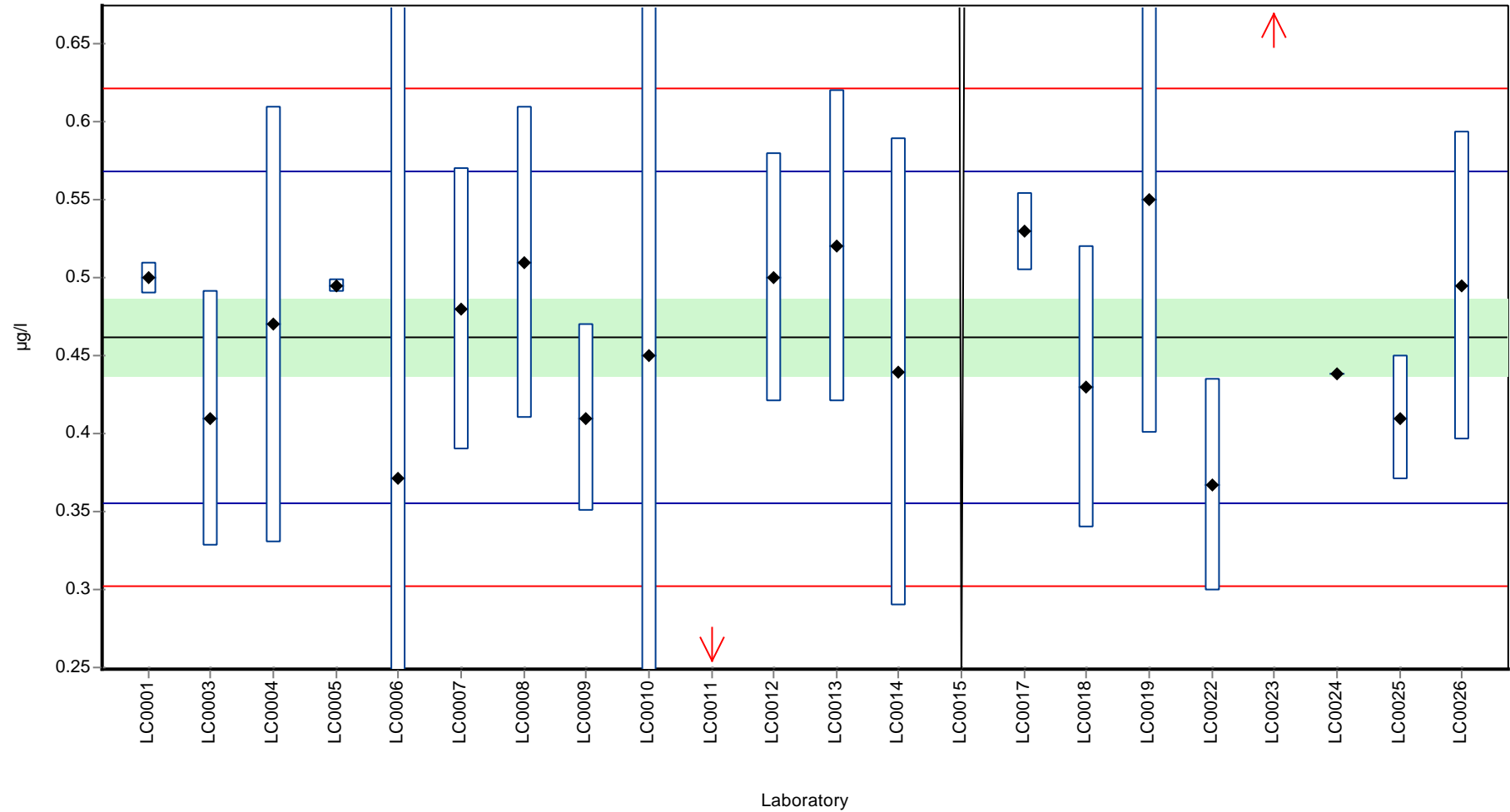
Unit	µg/l
Mean ± CI (99%)	0.462 ± 0.0366
Minimum - Maximum	0.367 - 0.55
Check value ± U	0.45 ± 0.043

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.500	0.010	108.2	0.7	
LC0002	-	-	-	-	
LC0003	0.410	0.082	88.7	-1.0	
LC0004	0.470	0.140	101.7	0.2	
LC0005	0.495	0.004	107.1	0.6	
LC0006	0.372	30.000	80.5	-1.7	
LC0007	0.480	0.090	103.9	0.3	
LC0008	0.510	0.100	110.4	0.9	
LC0009	0.410	0.060	88.7	-1.0	
LC0010	0.450	0.240	97.4	-0.2	
LC0011	0.224	0.034	48.5	-4.5	H
LC0012	0.500	0.080	108.2	0.7	
LC0013	0.520	0.100	112.6	1.1	
LC0014	0.440	0.150	95.2	-0.4	
LC0015	< 1 (LOQ)	-	-	-	
LC0016	-	-	-	-	
LC0017	0.530	0.025	114.7	1.3	
LC0018	0.430	0.090	93.1	-0.6	
LC0019	0.550	0.150	119.0	1.7	
LC0020	-	-	-	-	
LC0021	-	-	-	-	
LC0022	0.367	0.068	79.4	-1.8	
LC0023	1.400	0.100	303.0	17.6	H
LC0024	0.439	-	95.0	-0.4	
LC0025	0.410	0.040	88.7	-1.0	
LC0026	0.495	0.099	107.1	0.6	

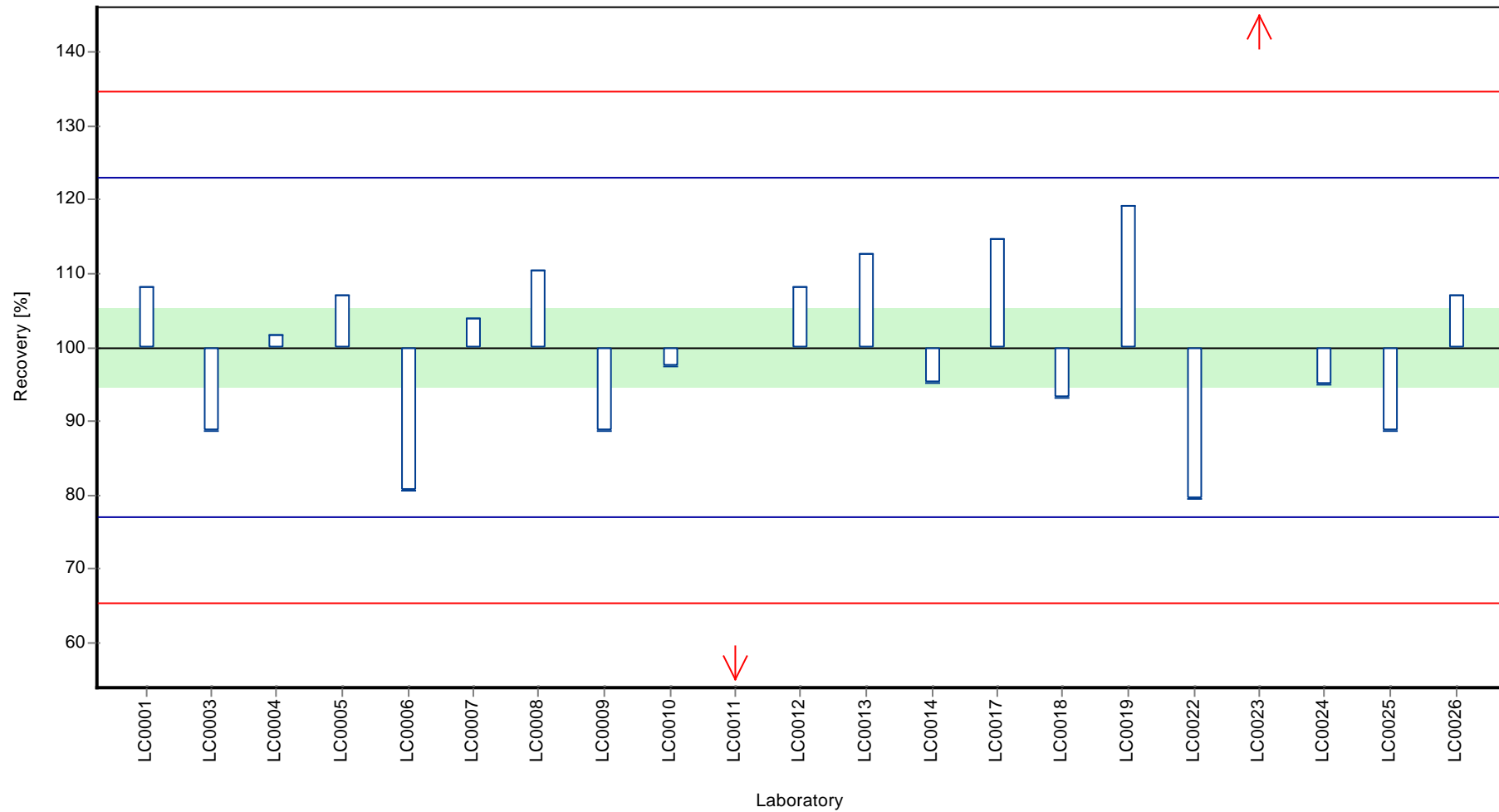
Characteristics of parameter

	all results	without outliers	Unit
Mean ± CI (99%)	0.495 ± 0.144	0.462 ± 0.0366	µg/l
Minimum	0.224	0.367	µg/l
Maximum	1.4	0.55	µg/l
Standard deviation	0.22	0.0532	µg/l
rel. Standard deviation	44.3	11.5 %	
n	21	19	-

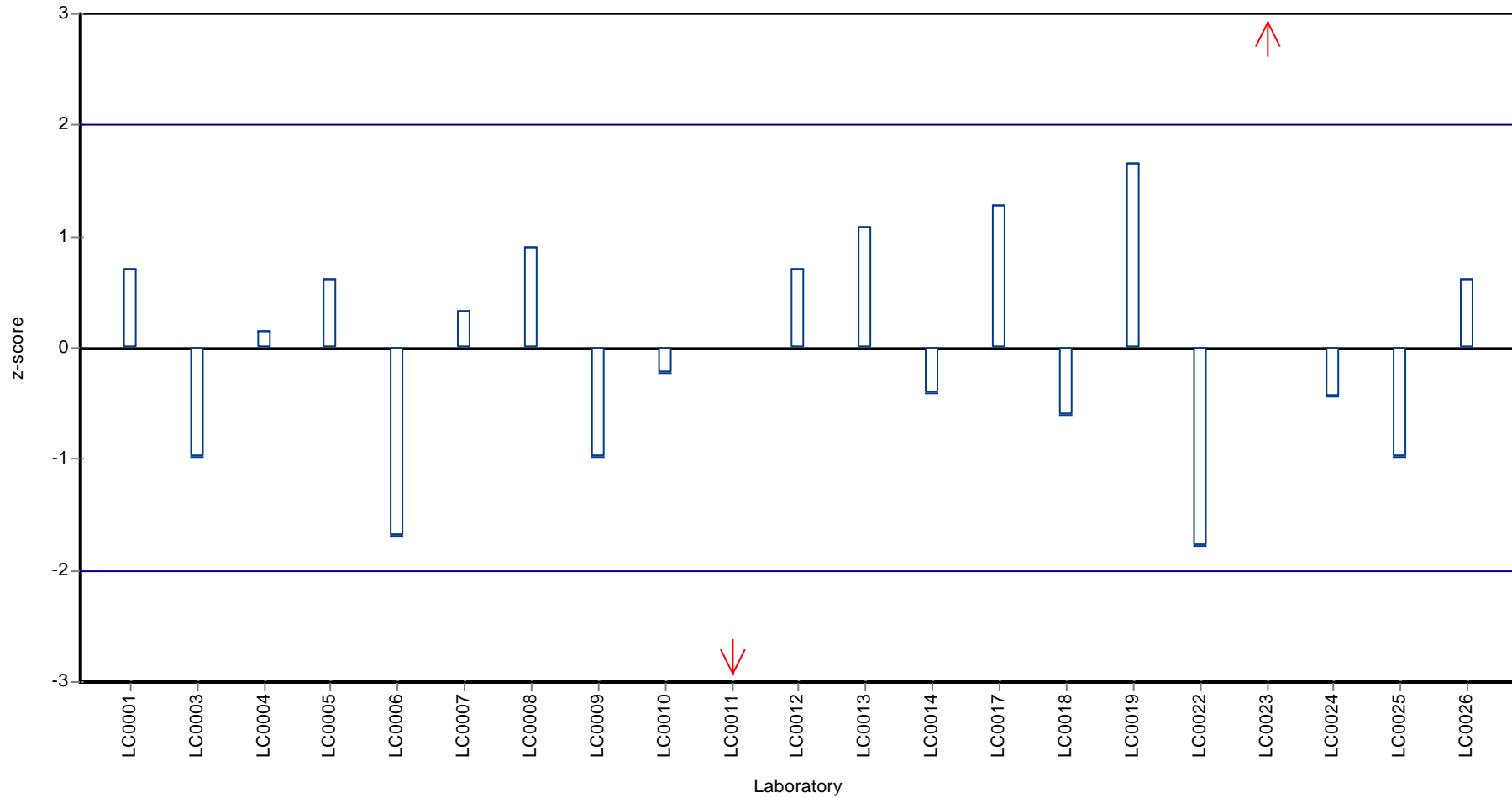
Graphical presentation of results
Results



Recovery rate



Z-score



Parameter oriented report

C55 A

Tetrachloromethane

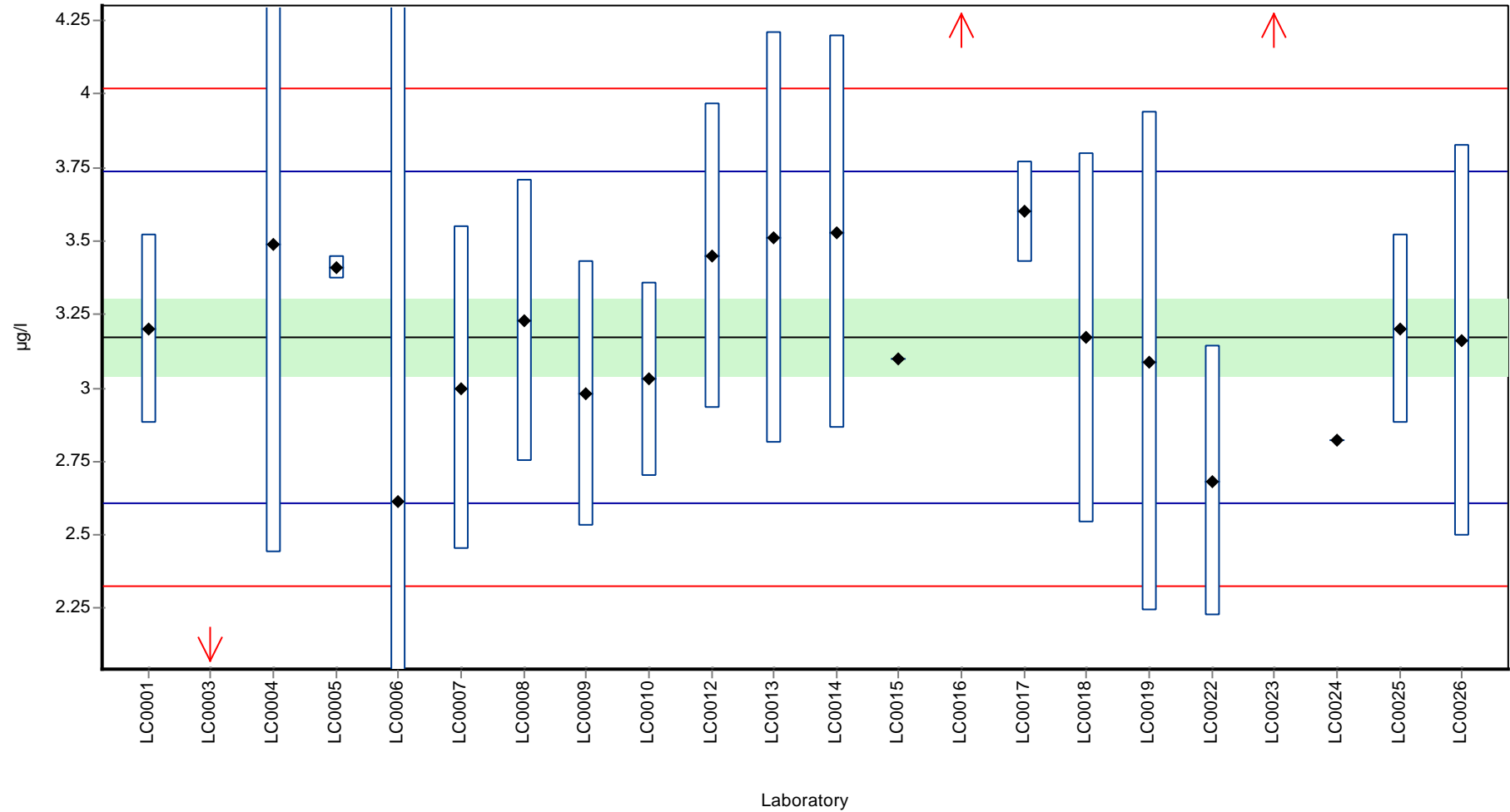
Unit	µg/l
Mean ± CI (99%)	3.17 ± 0.194
Minimum - Maximum	2.616 - 3.6
Check value ± U	2.6 ± 0.53

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	3.200	0.320	100.9	0.1	
LC0002	-	-	-	-	
LC0003	1.500	0.300	47.3	-5.9	H
LC0004	3.490	1.050	110.0	1.1	
LC0005	3.410	0.040	107.5	0.8	
LC0006	2.616	30.000	82.5	-2.0	
LC0007	3.000	0.550	94.6	-0.6	
LC0008	3.230	0.480	101.8	0.2	
LC0009	2.980	0.450	93.9	-0.7	
LC0010	3.030	0.330	95.5	-0.5	
LC0011	-	-	-	-	
LC0012	3.450	0.520	108.8	1.0	
LC0013	3.510	0.700	110.6	1.2	
LC0014	3.530	0.670	111.3	1.3	
LC0015	3.100	-	97.7	-0.3	
LC0016	7.280	-	229.5	14.6	H
LC0017	3.600	0.173	113.5	1.5	
LC0018	3.170	0.630	99.9	0.0	
LC0019	3.090	0.850	97.4	-0.3	
LC0020	-	-	-	-	
LC0021	-	-	-	-	
LC0022	2.683	0.460	84.6	-1.7	
LC0023	8.000	0.800	252.2	17.1	H
LC0024	2.825	-	89.1	-1.2	
LC0025	3.200	0.320	100.9	0.1	
LC0026	3.161	0.664	99.6	0.0	

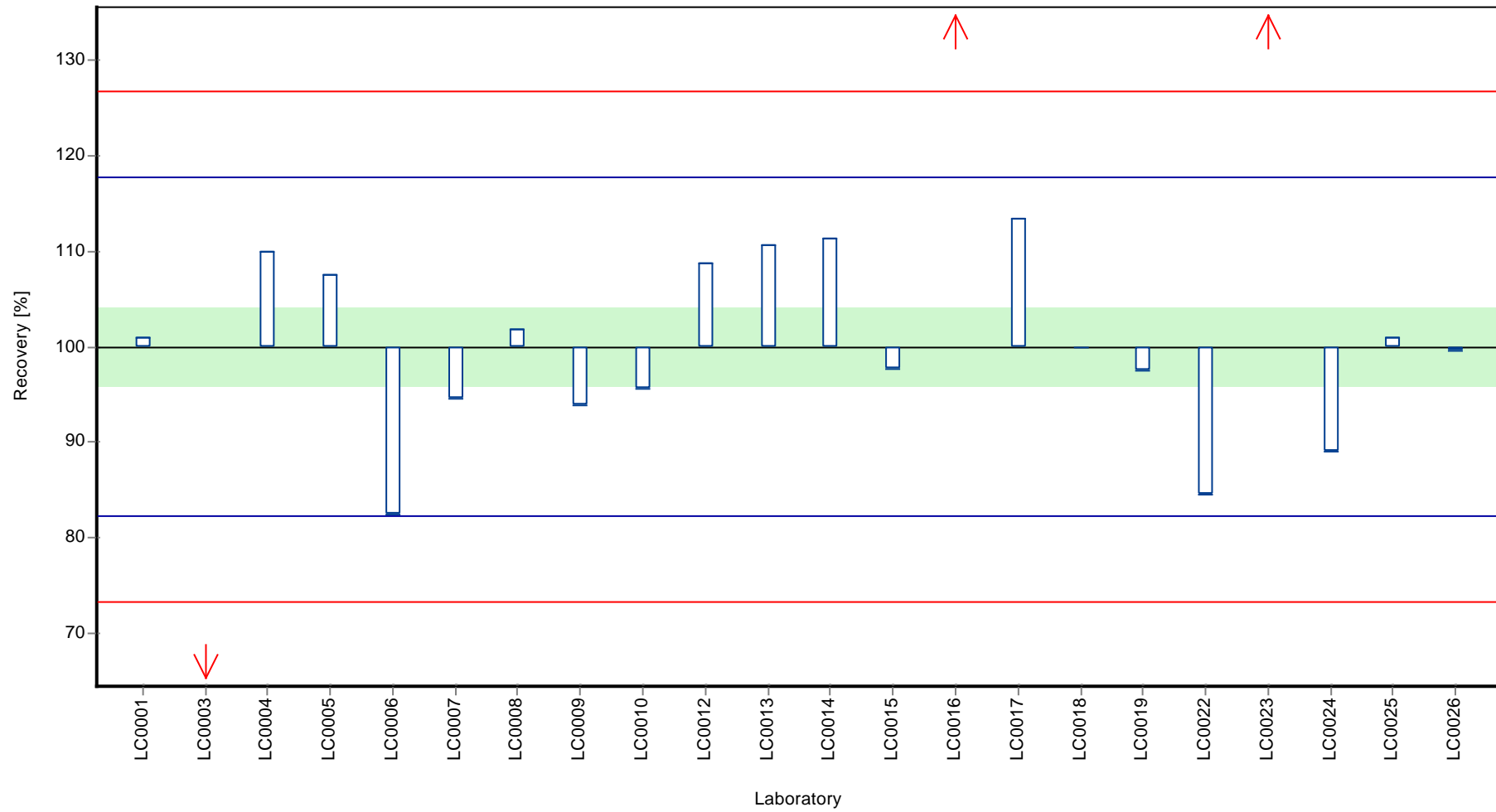
Characteristics of parameter

	all results	without outliers	Unit
Mean ± CI (99%)	3.5 ± 0.905	3.17 ± 0.194	µg/l
Minimum	1.5	2.62	µg/l
Maximum	8	3.6	µg/l
Standard deviation	1.41	0.282	µg/l
rel. Standard deviation	40.4	8.89 %	
n	22	19	-

Graphical presentation of results
Results



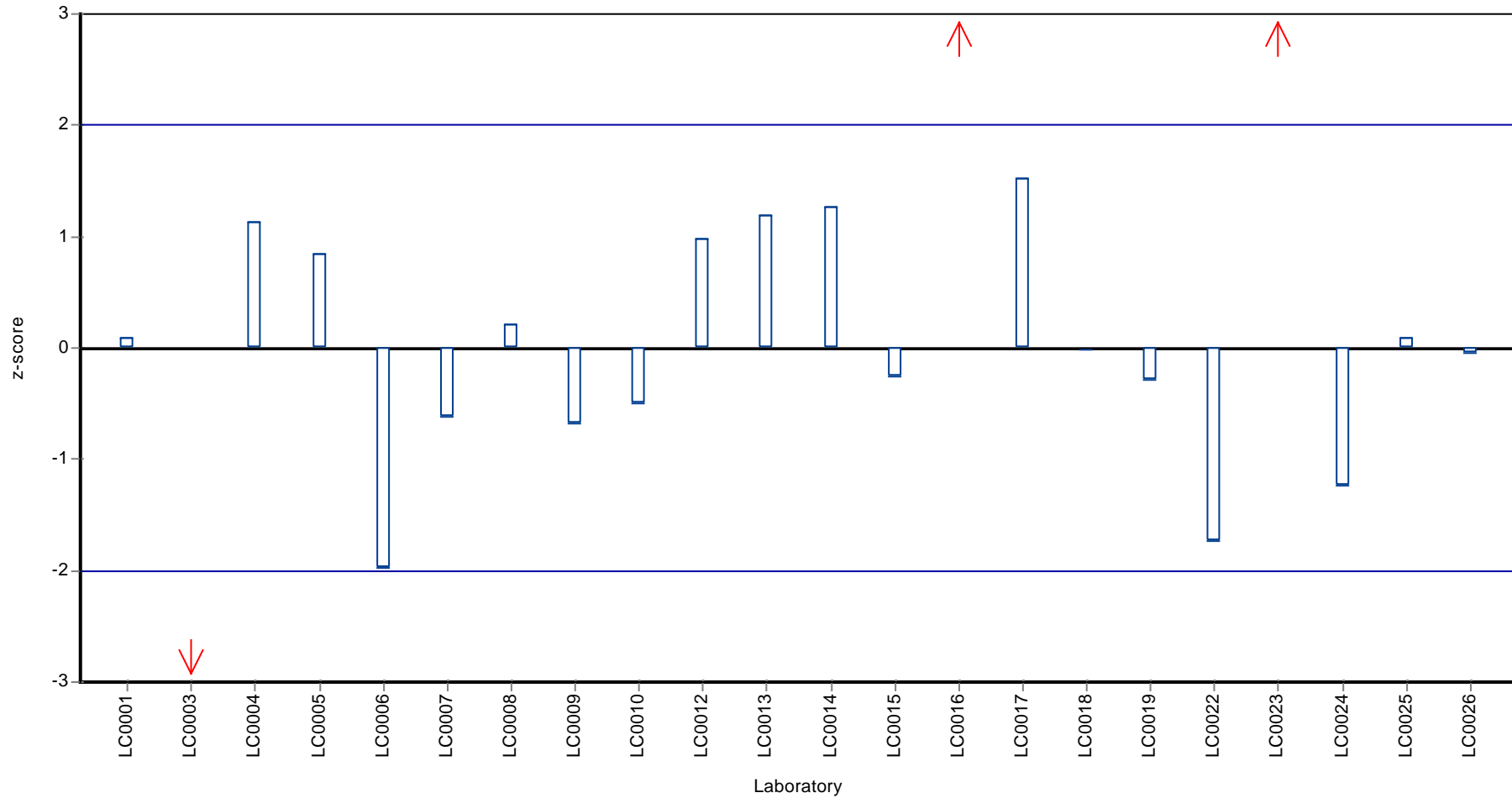
Recovery rate



Parameter oriented report Volatile Halogenated Hydrocarbons C55

Sample: C55A, Parameter: Tetrachloromethane

Z-score



Parameter oriented report Volatile Halogenated Hydrocarbons C55

Sample: C55B, Parameter: Tetrachloromethane

Parameter oriented report

C55 B

Tetrachloromethane

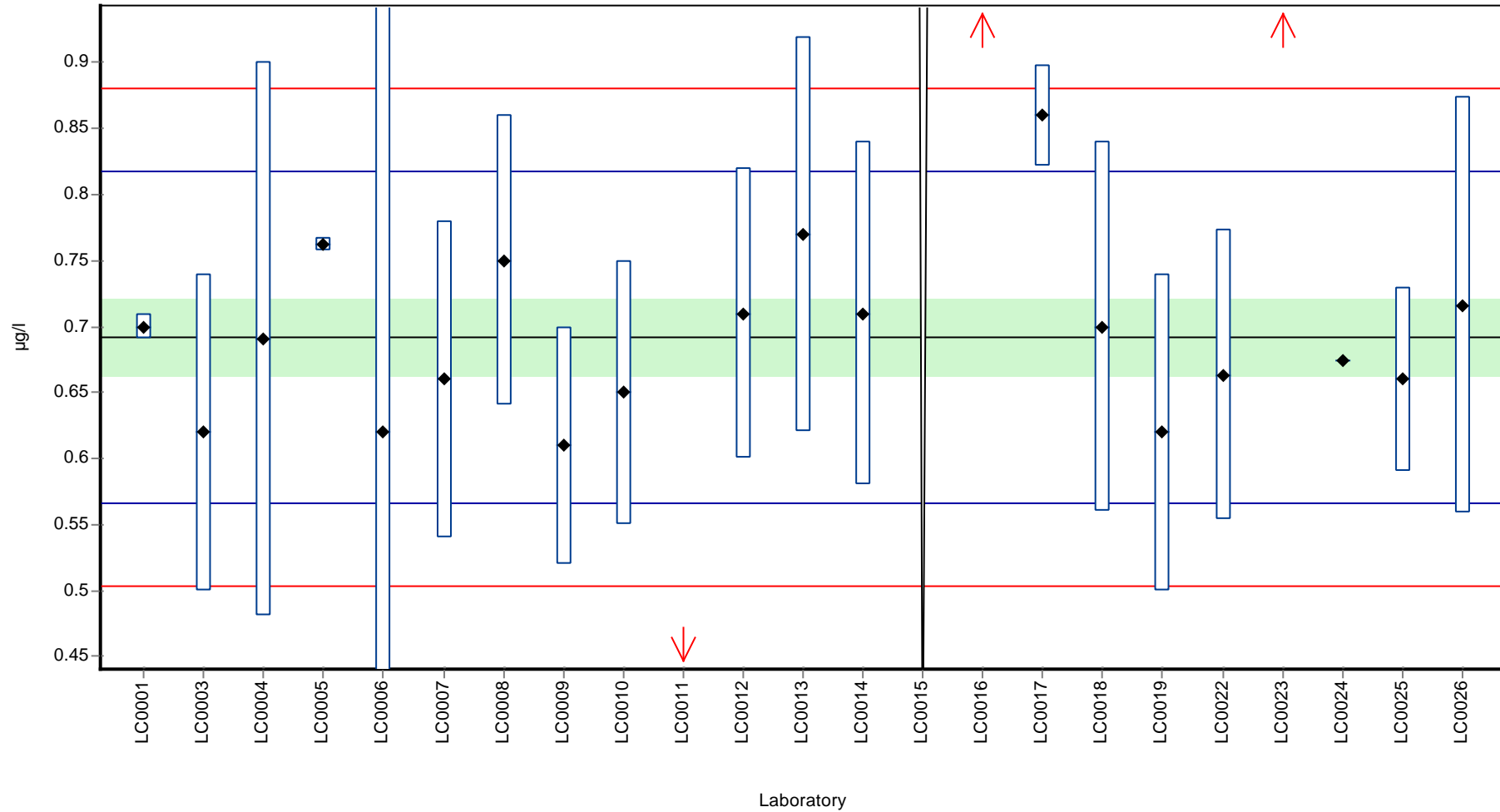
Unit	µg/l
Mean ± CI (99%)	0.692 ± 0.0433
Minimum - Maximum	0.61 - 0.86
Check value ± U	0.73 ± 0.073

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.700	0.010	101.2	0.1	
LC0002	-	-	-	-	
LC0003	0.620	0.120	89.6	-1.1	
LC0004	0.690	0.210	99.7	0.0	
LC0005	0.762	0.005	110.1	1.1	
LC0006	0.620	30.000	89.6	-1.1	
LC0007	0.660	0.120	95.4	-0.5	
LC0008	0.750	0.110	108.4	0.9	
LC0009	0.610	0.090	88.2	-1.3	
LC0010	0.650	0.100	94.0	-0.7	
LC0011	0.310	0.047	44.8	-6.1	H
LC0012	0.710	0.110	102.6	0.3	
LC0013	0.770	0.150	111.3	1.2	
LC0014	0.710	0.130	102.6	0.3	
LC0015	< 1 (LOQ)	-	-	-	
LC0016	1.537	-	222.2	13.4	H
LC0017	0.860	0.038	124.3	2.7	
LC0018	0.700	0.140	101.2	0.1	
LC0019	0.620	0.120	89.6	-1.1	
LC0020	-	-	-	-	
LC0021	-	-	-	-	
LC0022	0.663	0.110	95.8	-0.5	
LC0023	2.000	0.200	289.1	20.8	H
LC0024	0.674	-	97.4	-0.3	
LC0025	0.660	0.070	95.4	-0.5	
LC0026	0.716	0.158	103.5	0.4	

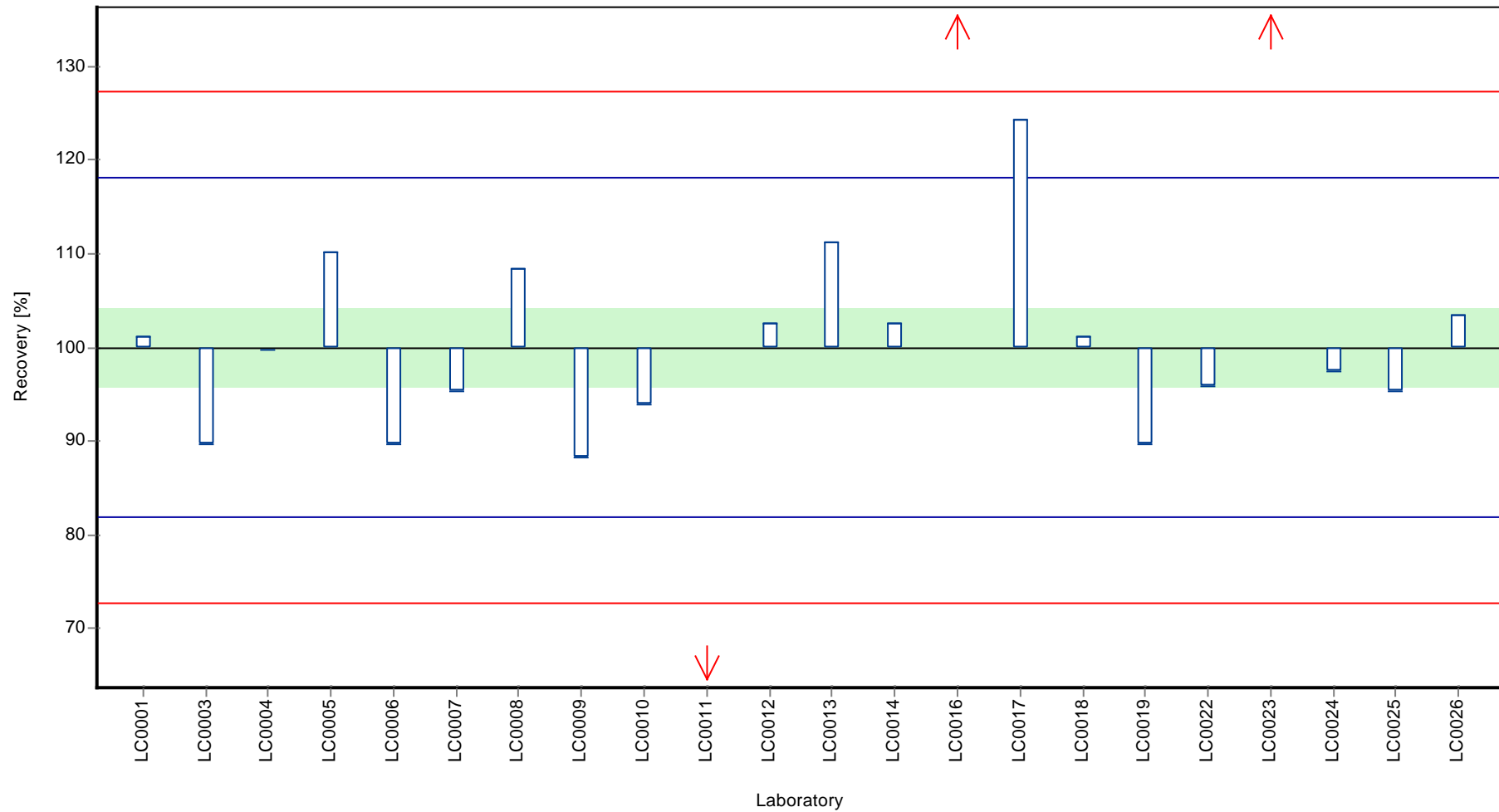
Characteristics of parameter

	all results	without outliers	Unit
Mean ± CI (99%)	0.772 ± 0.221	0.692 ± 0.0433	µg/l
Minimum	0.31	0.61	µg/l
Maximum	2	0.86	µg/l
Standard deviation	0.345	0.0629	µg/l
rel. Standard deviation	44.7	9.09	%
n	22	19	-

Graphical presentation of results
Results



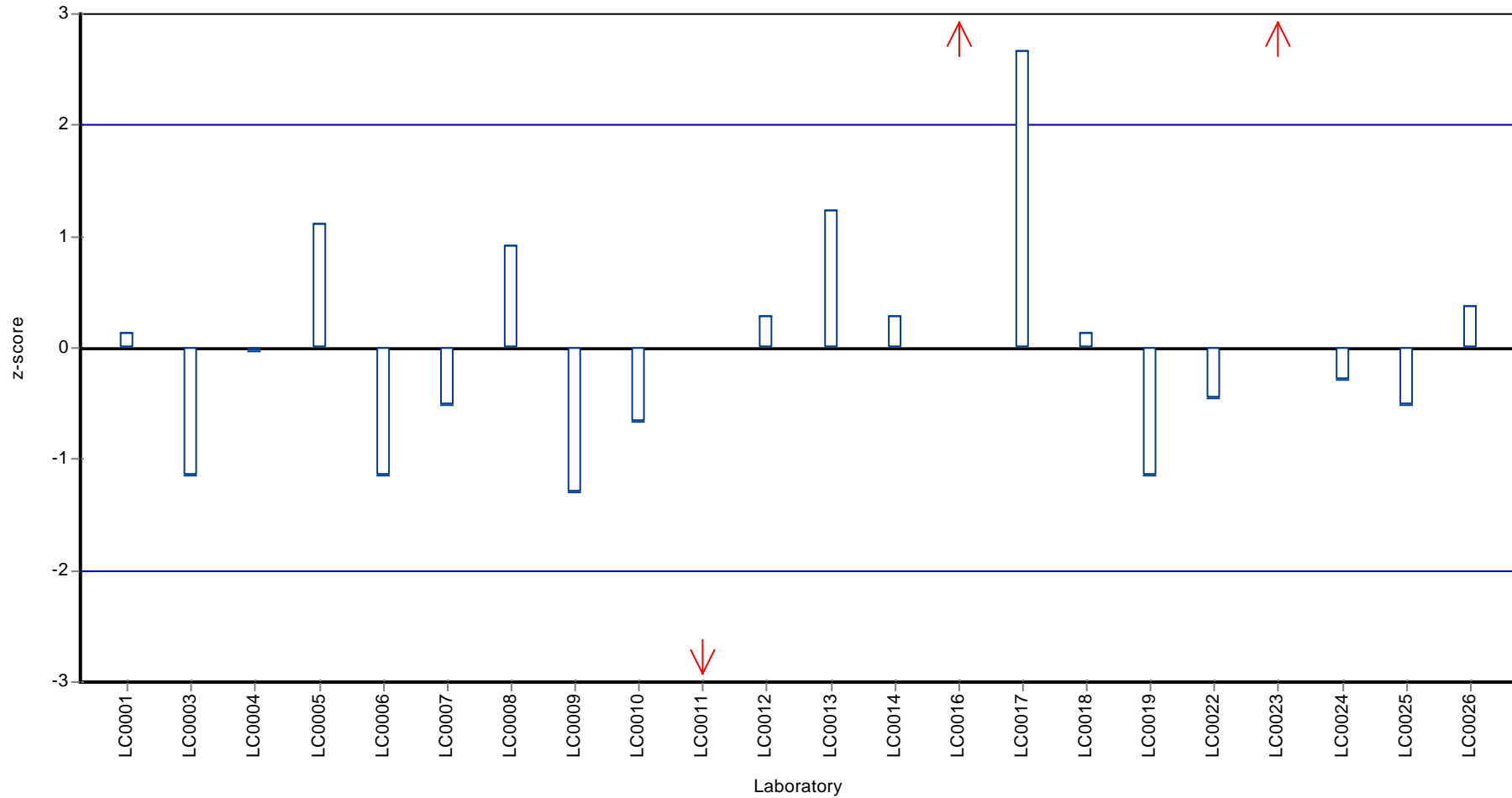
Recovery rate



Parameter oriented report Volatile Halogenated Hydrocarbons C55

Sample: C55B, Parameter: Tetrachloromethane

Z-score



Parameter oriented report

C55 A

Tribromomethane

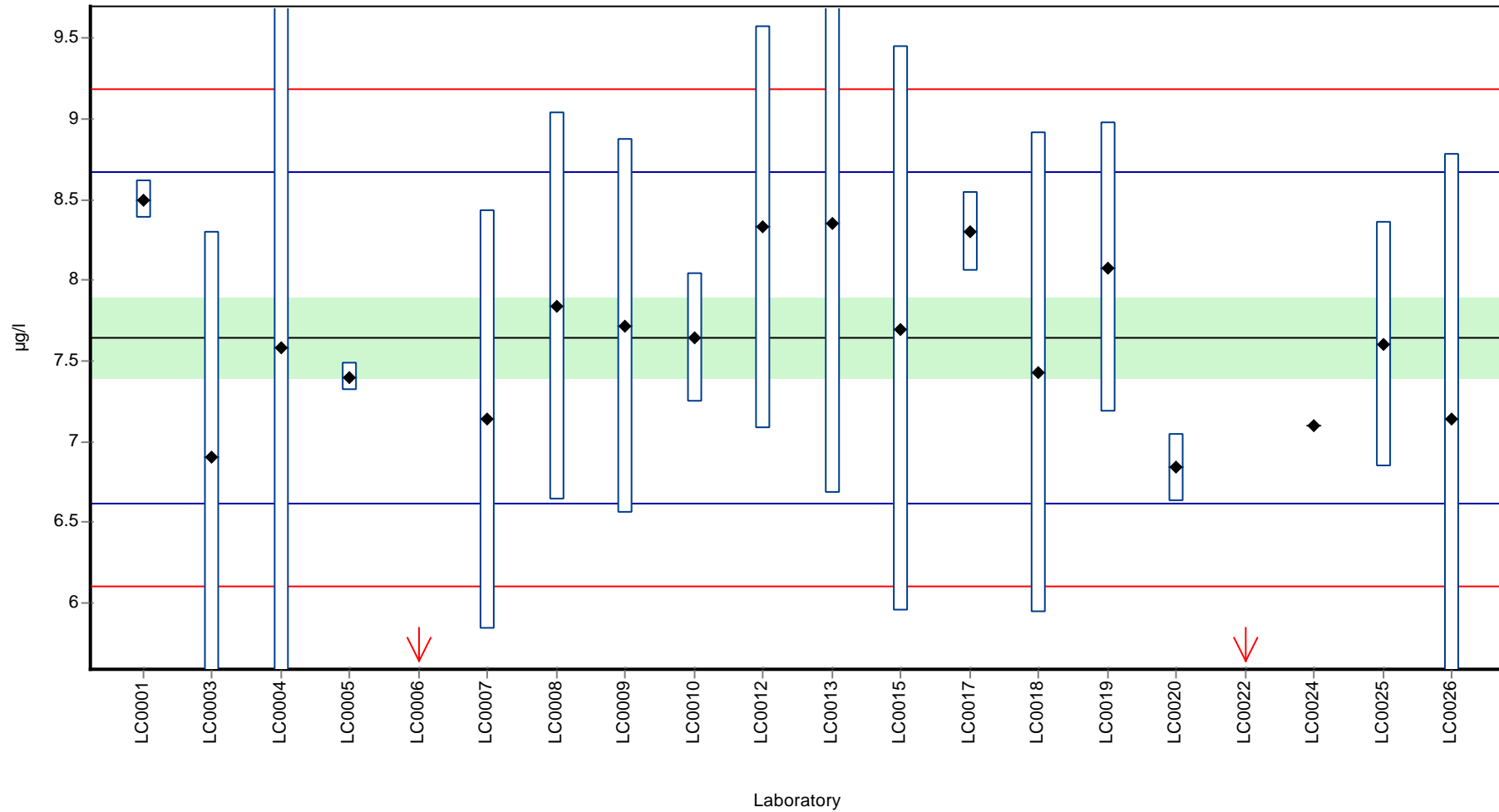
Unit	µg/l
Mean ± CI (99%)	7.64 ± 0.363
Minimum - Maximum	6.84 - 8.5
Check value ± U	6.9 ± 0.63

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	8.500	0.120	111.2	1.7	
LC0002	-	-	-	-	
LC0003	6.900	1.400	90.3	-1.4	
LC0004	7.580	2.280	99.2	-0.1	
LC0005	7.402	0.092	96.8	-0.5	
LC0006	3.570	30.000	46.7	-7.9	H
LC0007	7.140	1.300	93.4	-1.0	
LC0008	7.840	1.200	102.6	0.4	
LC0009	7.720	1.160	101.0	0.1	
LC0010	7.640	0.400	99.9	0.0	
LC0011	-	-	-	-	
LC0012	8.330	1.250	109.0	1.3	
LC0013	8.350	1.670	109.2	1.4	
LC0014	-	-	-	-	
LC0015	7.700	1.750	100.7	0.1	
LC0016	-	-	-	-	
LC0017	8.300	0.250	108.6	1.3	
LC0018	7.430	1.490	97.2	-0.4	
LC0019	8.080	0.900	105.7	0.8	
LC0020	6.840	0.210	89.5	-1.6	
LC0021	-	-	-	-	
LC0022	5.162	0.960	67.5	-4.8	H
LC0023	-	-	-	-	
LC0024	7.100	-	92.9	-1.1	
LC0025	7.600	0.760	99.4	-0.1	
LC0026	7.138	1.642	93.4	-1.0	

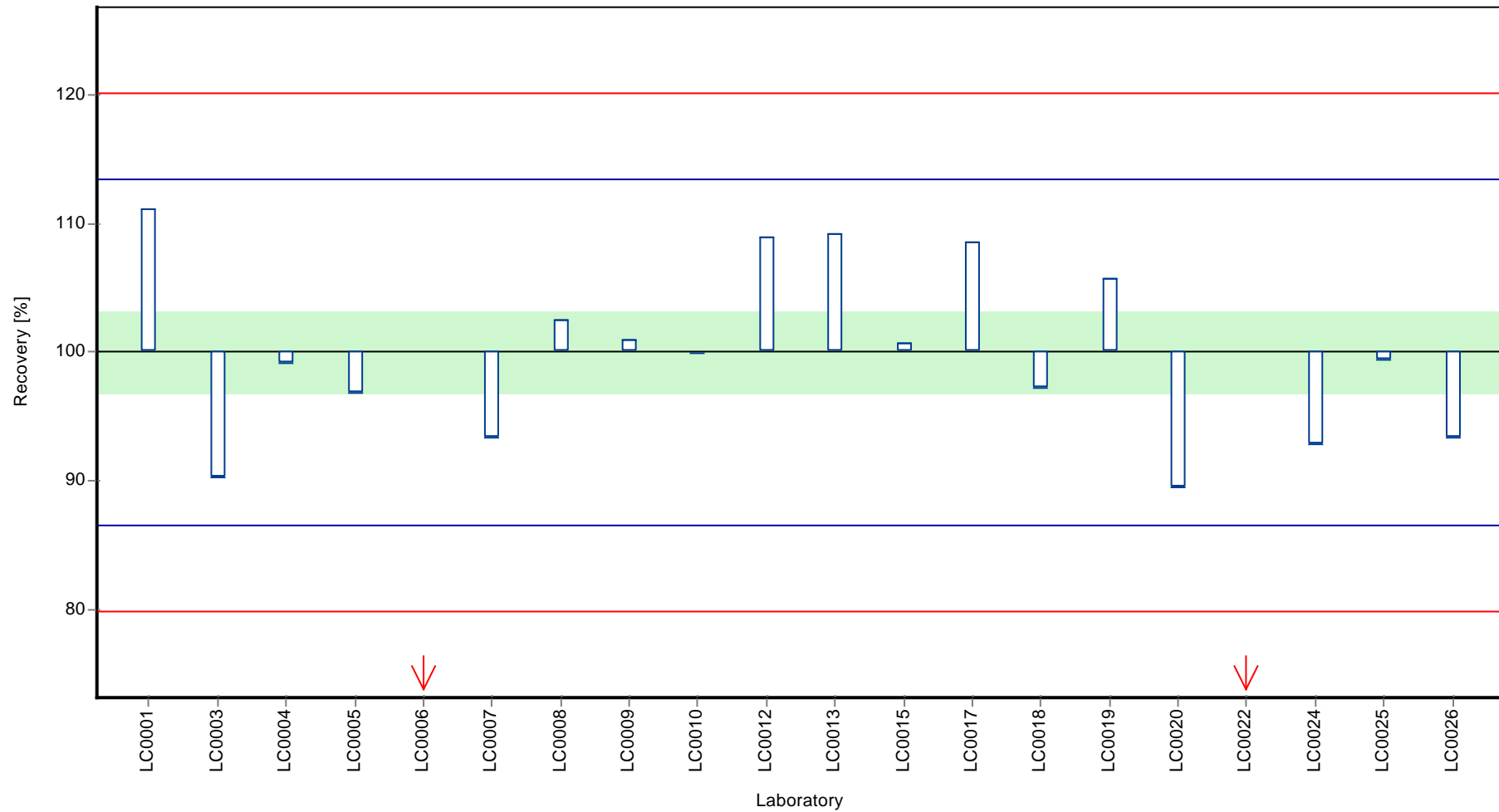
Characteristics of parameter

	all results	without outliers	Unit
Mean ± CI (99%)	7.32 ± 0.771	7.64 ± 0.363	µg/l
Minimum	3.57	6.84	µg/l
Maximum	8.5	8.5	µg/l
Standard deviation	1.15	0.514	µg/l
rel. Standard deviation	15.7	6.72	%
n	20	18	-

Graphical presentation of results
Results



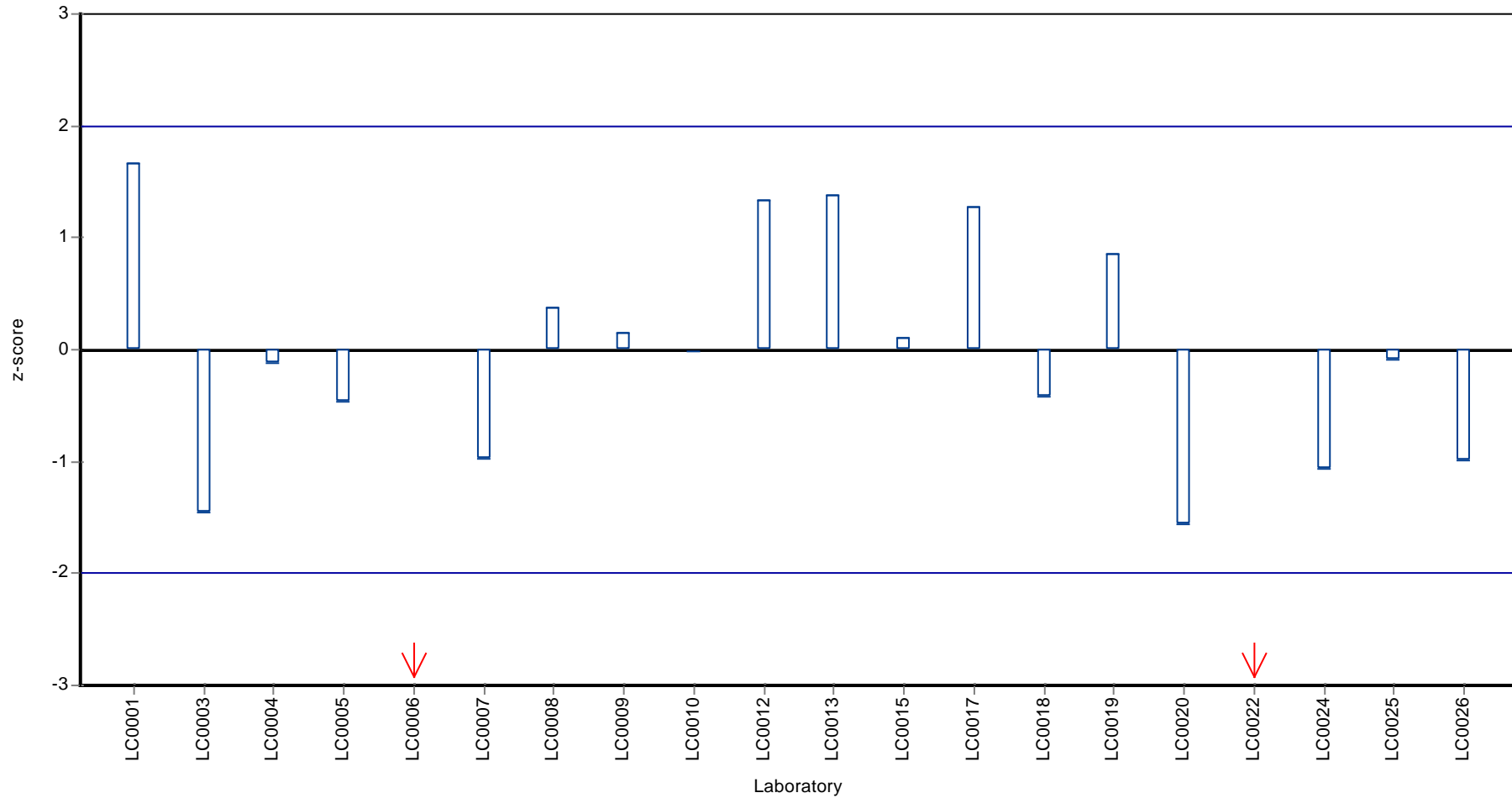
Recovery rate



Parameter oriented report Volatile Halogenated Hydrocarbons C55

Sample: C55A, Parameter: Tribromomethane

Z-score



Parameter oriented report

C55 B

Tribromomethane

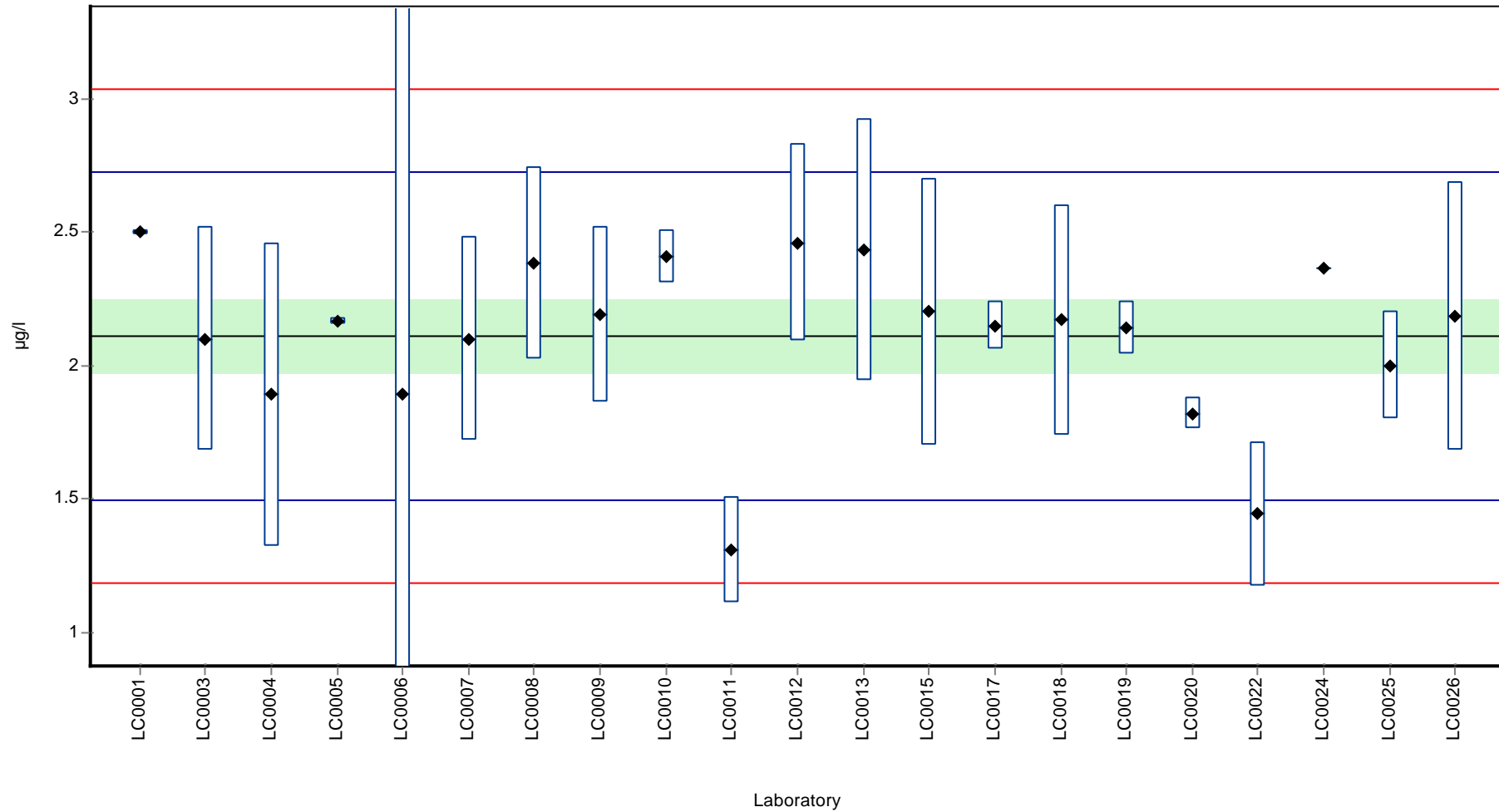
Unit	µg/l
Mean ± CI (99%)	2.11 ± 0.202
Minimum - Maximum	1.31 - 2.5
Check value ± U	2.2 ± 0.17

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	2.500	0.010	118.5	1.3	
LC0002	-	-	-	-	
LC0003	2.100	0.420	99.5	0.0	
LC0004	1.890	0.570	89.6	-0.7	
LC0005	2.165	0.012	102.6	0.2	
LC0006	1.895	30.000	89.8	-0.7	
LC0007	2.100	0.380	99.5	0.0	
LC0008	2.380	0.360	112.8	0.9	
LC0009	2.190	0.330	103.8	0.3	
LC0010	2.410	0.100	114.2	1.0	
LC0011	1.310	0.197	62.1	-2.6	
LC0012	2.460	0.370	116.6	1.1	
LC0013	2.430	0.490	115.2	1.0	
LC0014	-	-	-	-	
LC0015	2.200	0.500	104.3	0.3	
LC0016	-	-	-	-	
LC0017	2.150	0.091	101.9	0.1	
LC0018	2.170	0.430	102.9	0.2	
LC0019	2.140	0.100	101.4	0.1	
LC0020	1.820	0.060	86.3	-0.9	
LC0021	-	-	-	-	
LC0022	1.445	0.270	68.5	-2.2	
LC0023	-	-	-	-	
LC0024	2.365	-	112.1	0.8	
LC0025	2.000	0.200	94.8	-0.4	
LC0026	2.185	0.502	103.6	0.2	

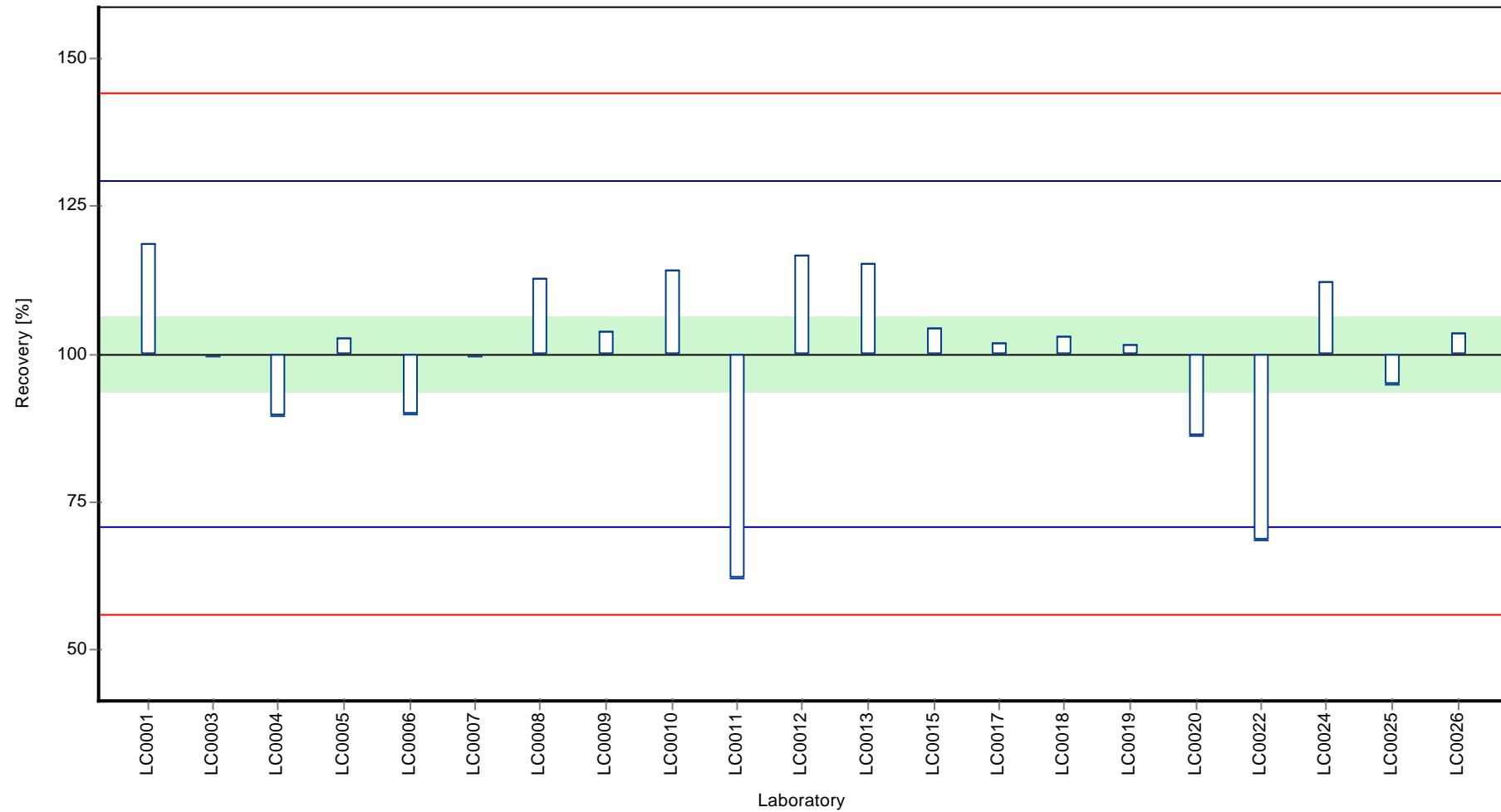
Characteristics of parameter

	all results	without outliers	Unit
Mean ± CI (99%)	2.11 ± 0.202	2.11 ± 0.202	µg/l
Minimum	1.31	1.31	µg/l
Maximum	2.5	2.5	µg/l
Standard deviation	0.309	0.309	µg/l
rel. Standard deviation	14.6	14.6	%
n	21	21	-

Graphical presentation of results
Results



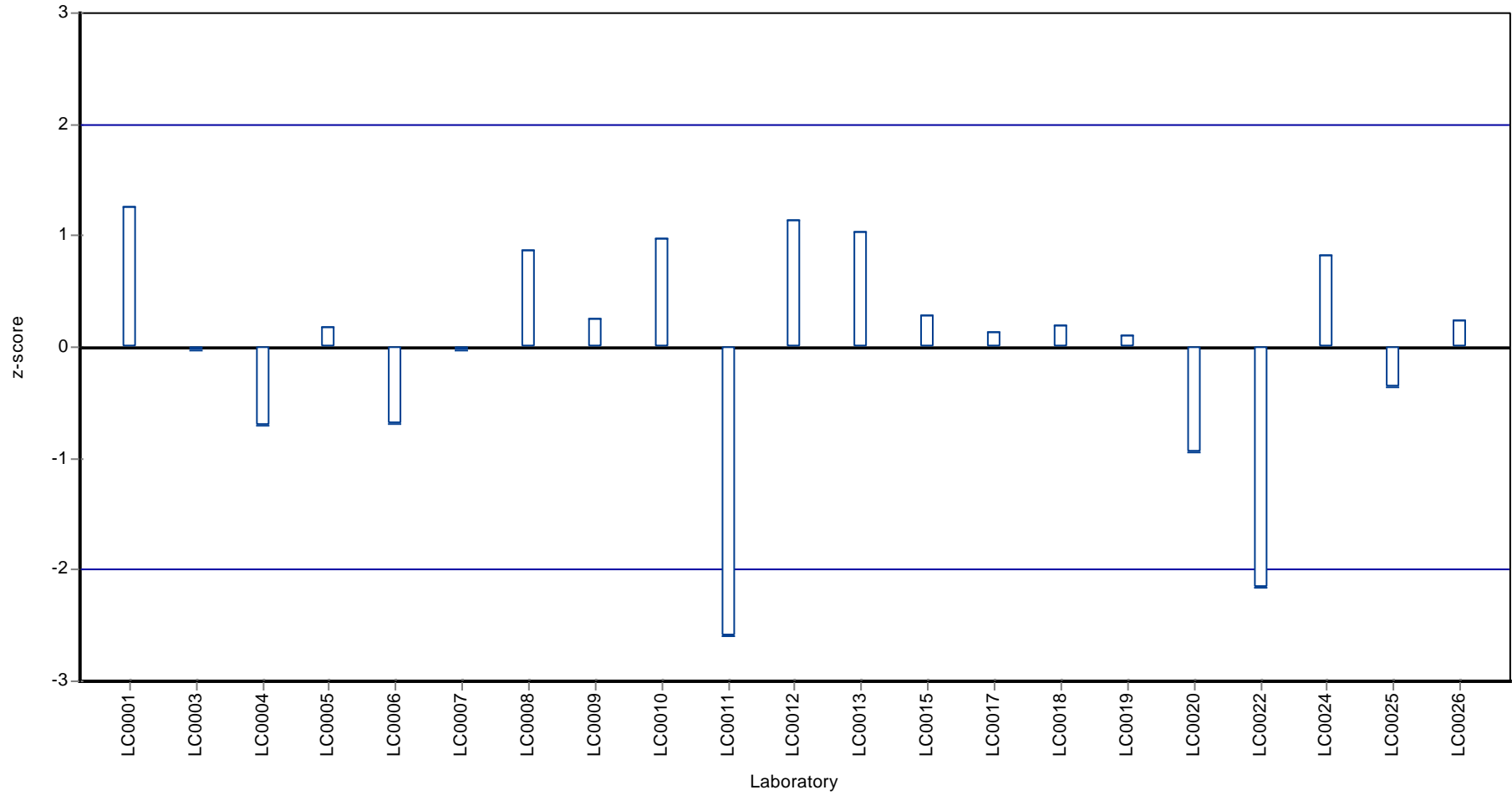
Recovery rate



Parameter oriented report Volatile Halogenated Hydrocarbons C55

Sample: C55B, Parameter: Tribromomethane

Z-score



Parameter oriented report Volatile Halogenated Hydrocarbons C55

Sample: C55A, Parameter: 1,1,1-Trichloroethane

Parameter oriented report

C55 A

1,1,1-Trichloroethane

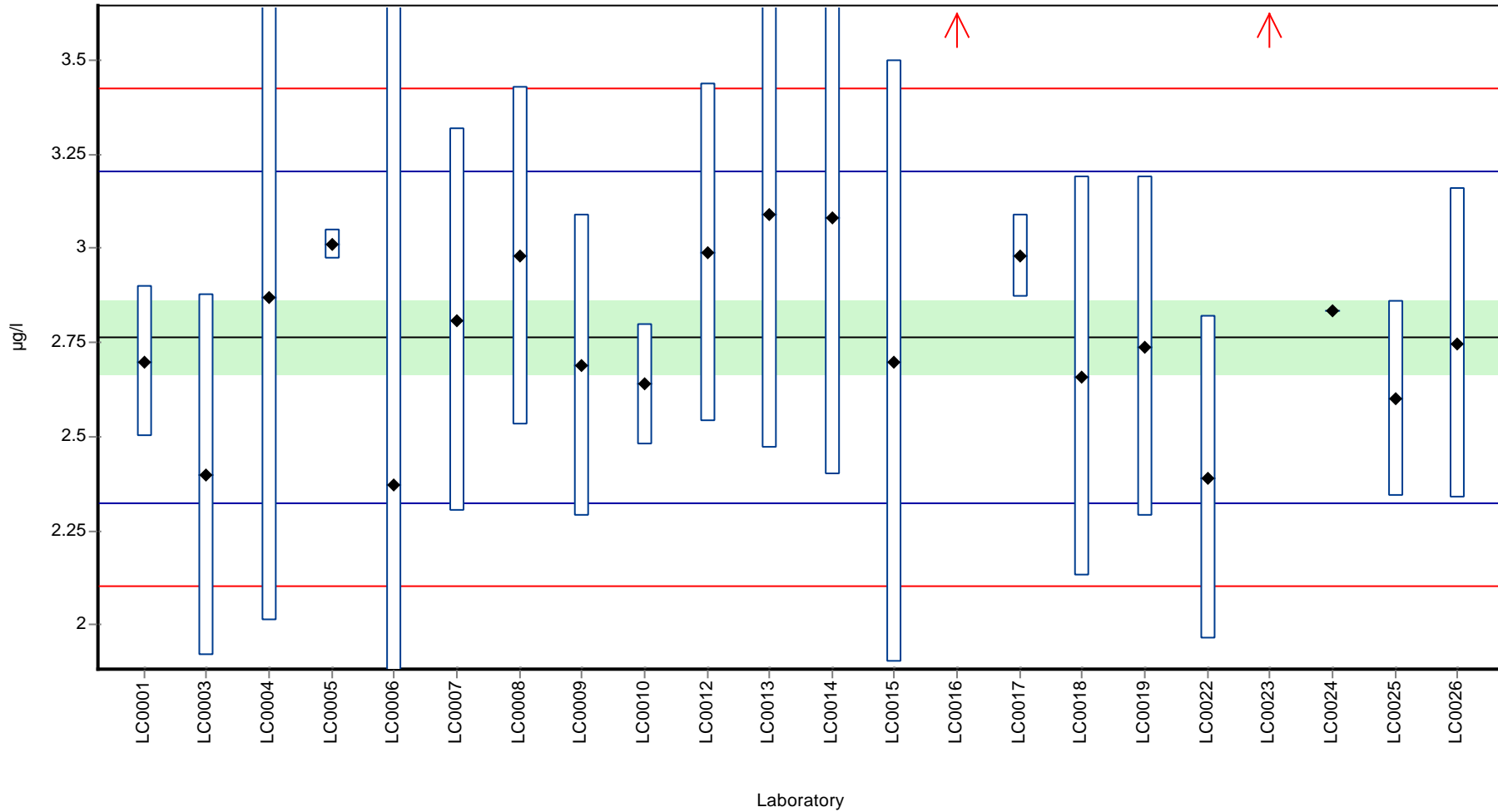
Unit	µg/l
Mean ± CI (99%)	2.76 ± 0.148
Minimum - Maximum	2.372 - 3.09
Check value ± U	2.7 ± 0.11

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	2.700	0.200	97.7	-0.3	
LC0002	-	-	-	-	
LC0003	2.400	0.480	86.8	-1.7	
LC0004	2.870	0.860	103.8	0.5	
LC0005	3.010	0.040	108.9	1.1	
LC0006	2.372	30.000	85.8	-1.8	
LC0007	2.810	0.510	101.7	0.2	
LC0008	2.980	0.450	107.8	1.0	
LC0009	2.690	0.400	97.3	-0.3	
LC0010	2.640	0.160	95.5	-0.6	
LC0011	-	-	-	-	
LC0012	2.990	0.450	108.2	1.0	
LC0013	3.090	0.620	111.8	1.5	
LC0014	3.080	0.680	111.4	1.4	
LC0015	2.700	0.800	97.7	-0.3	
LC0016	6.656	-	240.8	17.7	H
LC0017	2.980	0.109	107.8	1.0	
LC0018	2.660	0.530	96.2	-0.5	
LC0019	2.740	0.450	99.1	-0.1	
LC0020	-	-	-	-	
LC0021	-	-	-	-	
LC0022	2.391	0.430	86.5	-1.7	
LC0023	6.400	0.600	231.5	16.5	H
LC0024	2.834	-	102.5	0.3	
LC0025	2.600	0.260	94.1	-0.7	
LC0026	2.748	0.412	99.4	-0.1	

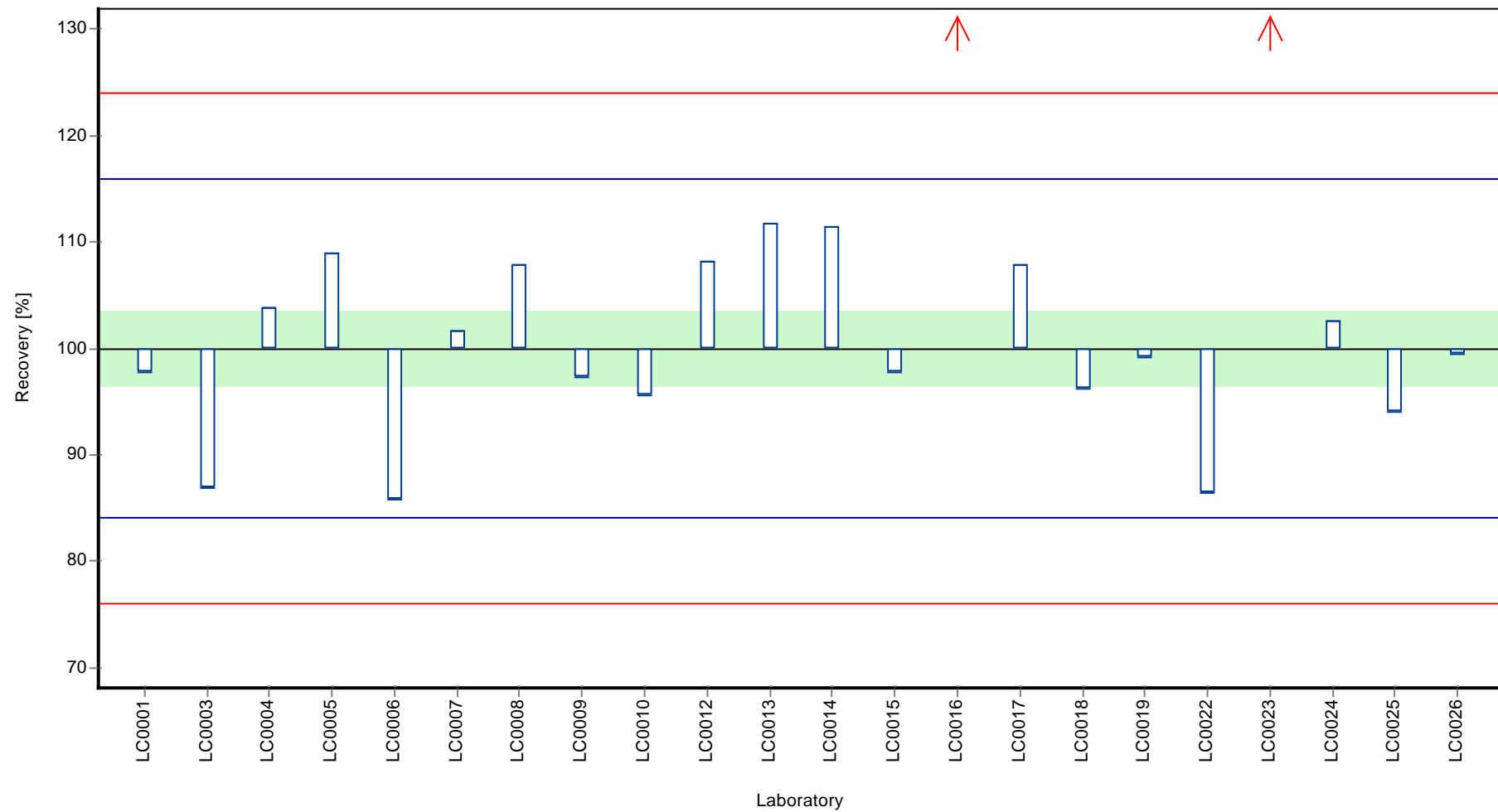
Characteristics of parameter

	all results	without outliers	Unit
Mean ± CI (99%)	3.11 ± 0.721	2.76 ± 0.148	µg/l
Minimum	2.37	2.37	µg/l
Maximum	6.66	3.09	µg/l
Standard deviation	1.13	0.22	µg/l
rel. Standard deviation	36.3	7.97	%
n	22	20	-

Graphical presentation of results
Results



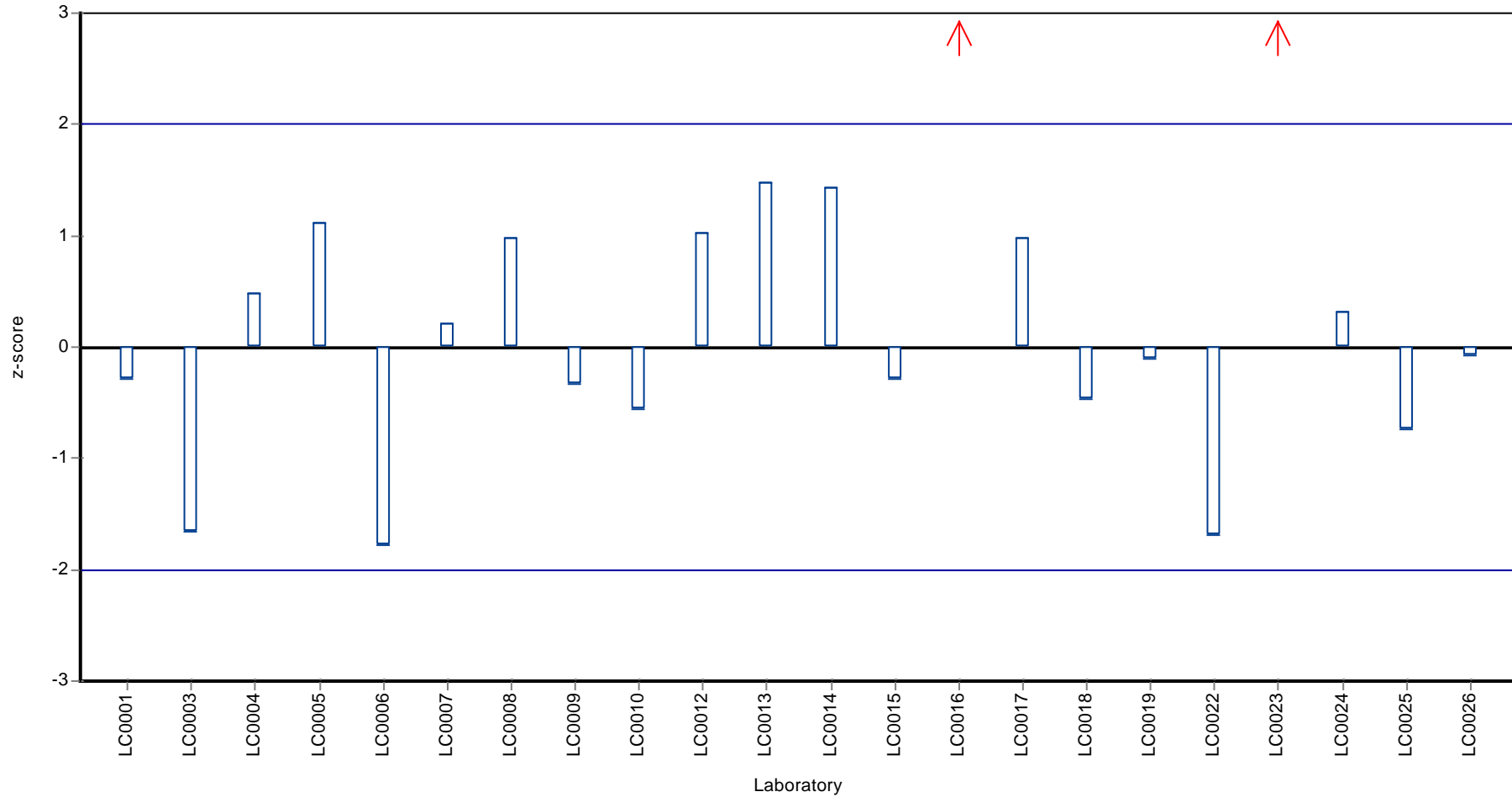
Recovery rate



Parameter oriented report Volatile Halogenated Hydrocarbons C55

Sample: C55A, Parameter: 1,1,1-Trichloroethane

Z-score



Parameter oriented report Volatile Halogenated Hydrocarbons C55

Sample: C55B, Parameter: 1,1,1-Trichloroethane

Parameter oriented report

C55 B

1,1,1-Trichloroethane

Unit	µg/l
Mean ± CI (99%)	1.45 ± 0.0752
Minimum - Maximum	1.2 - 1.64
Check value ± U	1.5 ± 0.18

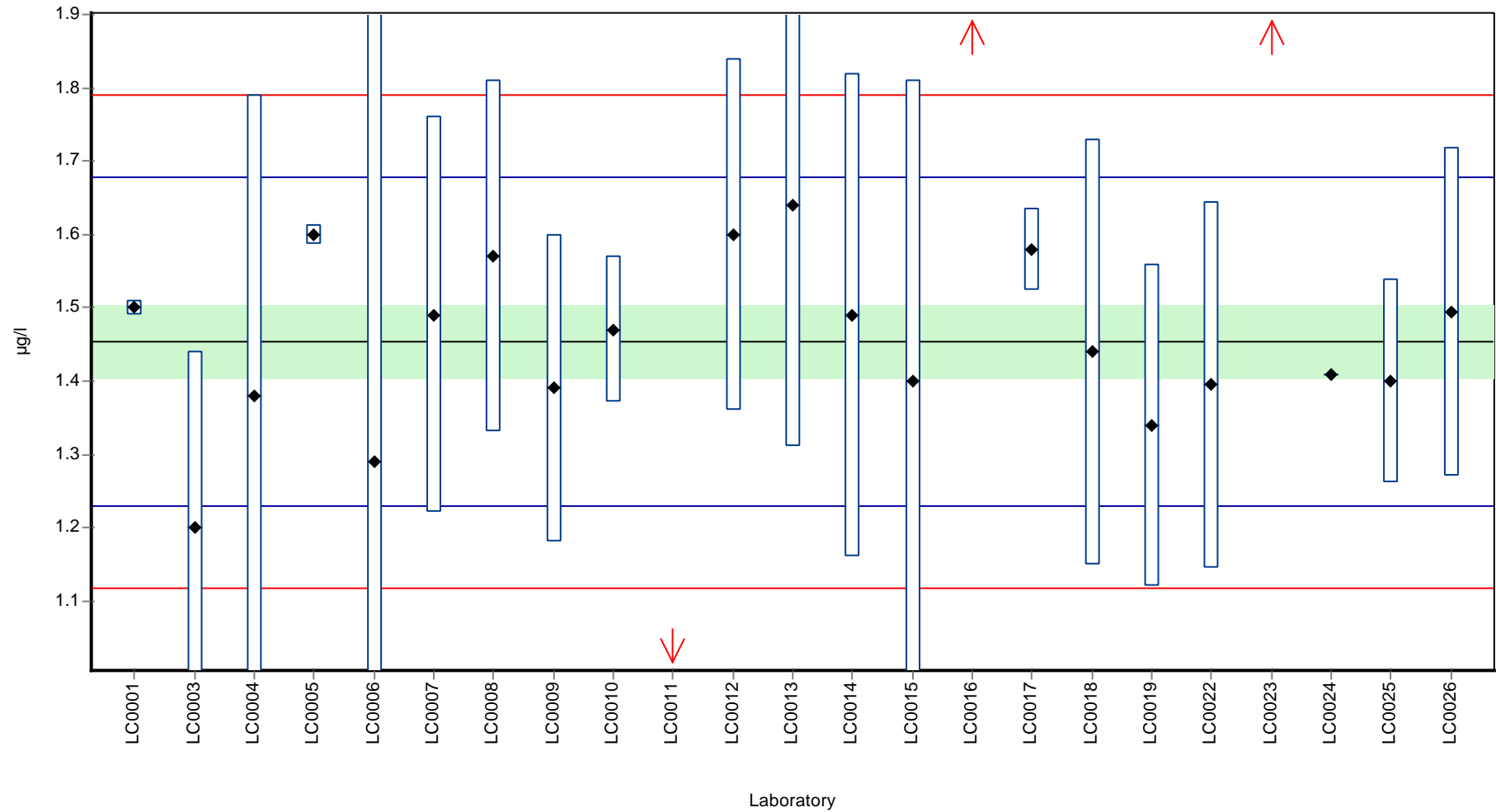
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	1.500	0.010	103.2	0.4	
LC0002	-	-	-	-	
LC0003	1.200	0.240	82.5	-2.3	
LC0004	1.380	0.410	94.9	-0.7	
LC0005	1.600	0.014	110.0	1.3	
LC0006	1.290	30.000	88.7	-1.5	
LC0007	1.490	0.270	102.5	0.3	
LC0008	1.570	0.240	108.0	1.0	
LC0009	1.390	0.210	95.6	-0.6	
LC0010	1.470	0.100	101.1	0.1	
LC0011	0.692	0.104	47.6	-6.8	H
LC0012	1.600	0.240	110.0	1.3	
LC0013	1.640	0.330	112.8	1.7	
LC0014	1.490	0.330	102.5	0.3	
LC0015	1.400	0.410	96.3	-0.5	
LC0016	3.603	-	247.8	19.2	H
LC0017	1.580	0.056	108.7	1.1	
LC0018	1.440	0.290	99.0	-0.1	
LC0019	1.340	0.220	92.2	-1.0	
LC0020	-	-	-	-	
LC0021	-	-	-	-	
LC0022	1.395	0.250	95.9	-0.5	
LC0023	3.700	0.400	254.5	20.0	H
LC0024	1.408	-	96.8	-0.4	
LC0025	1.400	0.140	96.3	-0.5	
LC0026	1.495	0.224	102.8	0.4	

Characteristics of parameter

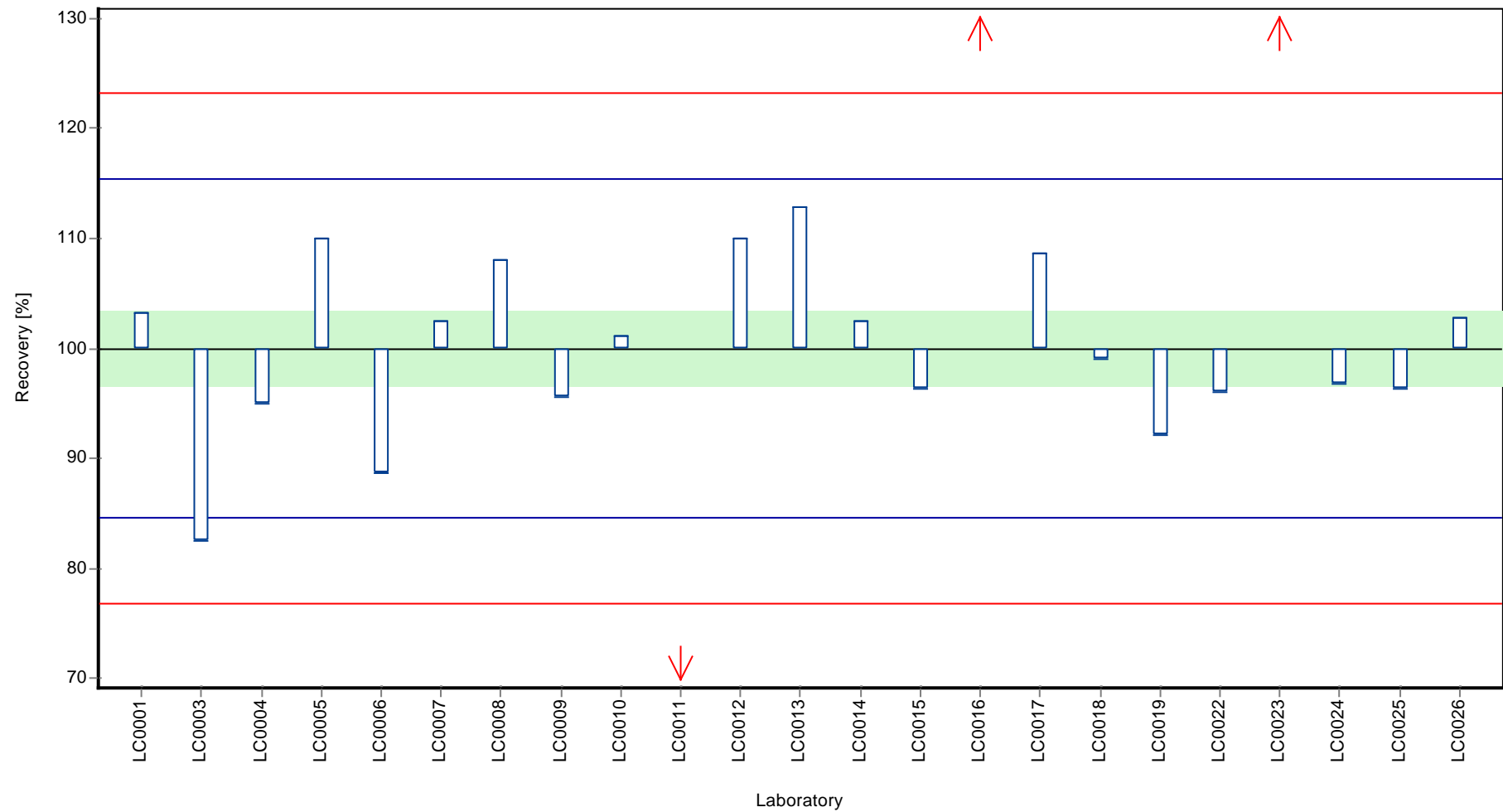
	all results	without outliers	Unit
Mean ± CI (99%)	1.61 ± 0.42	1.45 ± 0.0752	µg/l
Minimum	0.692	1.2	µg/l
Maximum	3.7	1.64	µg/l
Standard deviation	0.671	0.112	µg/l
rel. Standard deviation	41.6	7.71	%
n	23	20	-

Graphical presentation of results

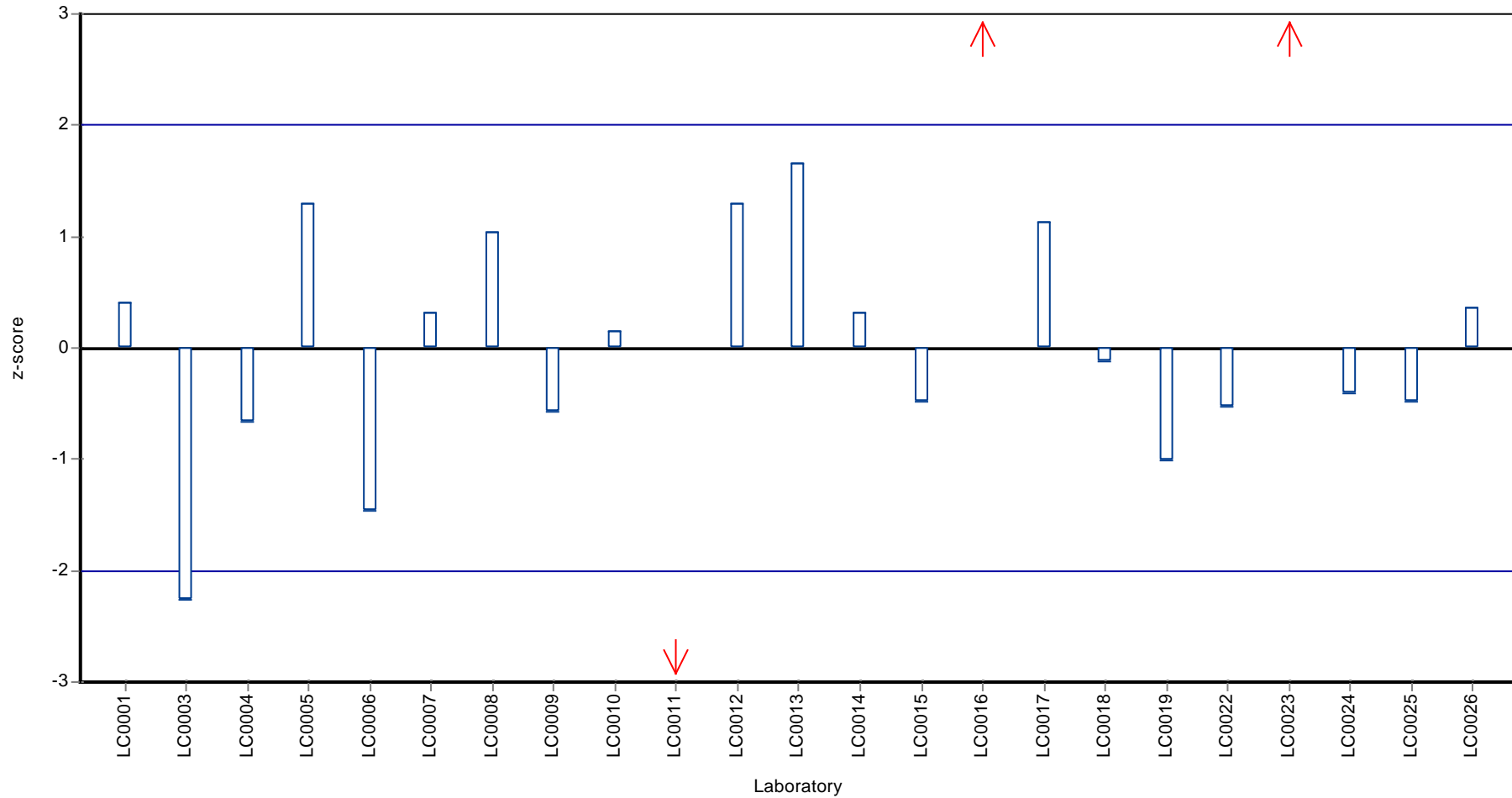
Results



Recovery rate



Z-score



Parameter oriented report

C55 A

Trichloroethene

Unit	µg/l
Mean ± CI (99%)	12.4 ± 0.51
Minimum - Maximum	11 - 14.1
Check value ± U	12 ± 0.43

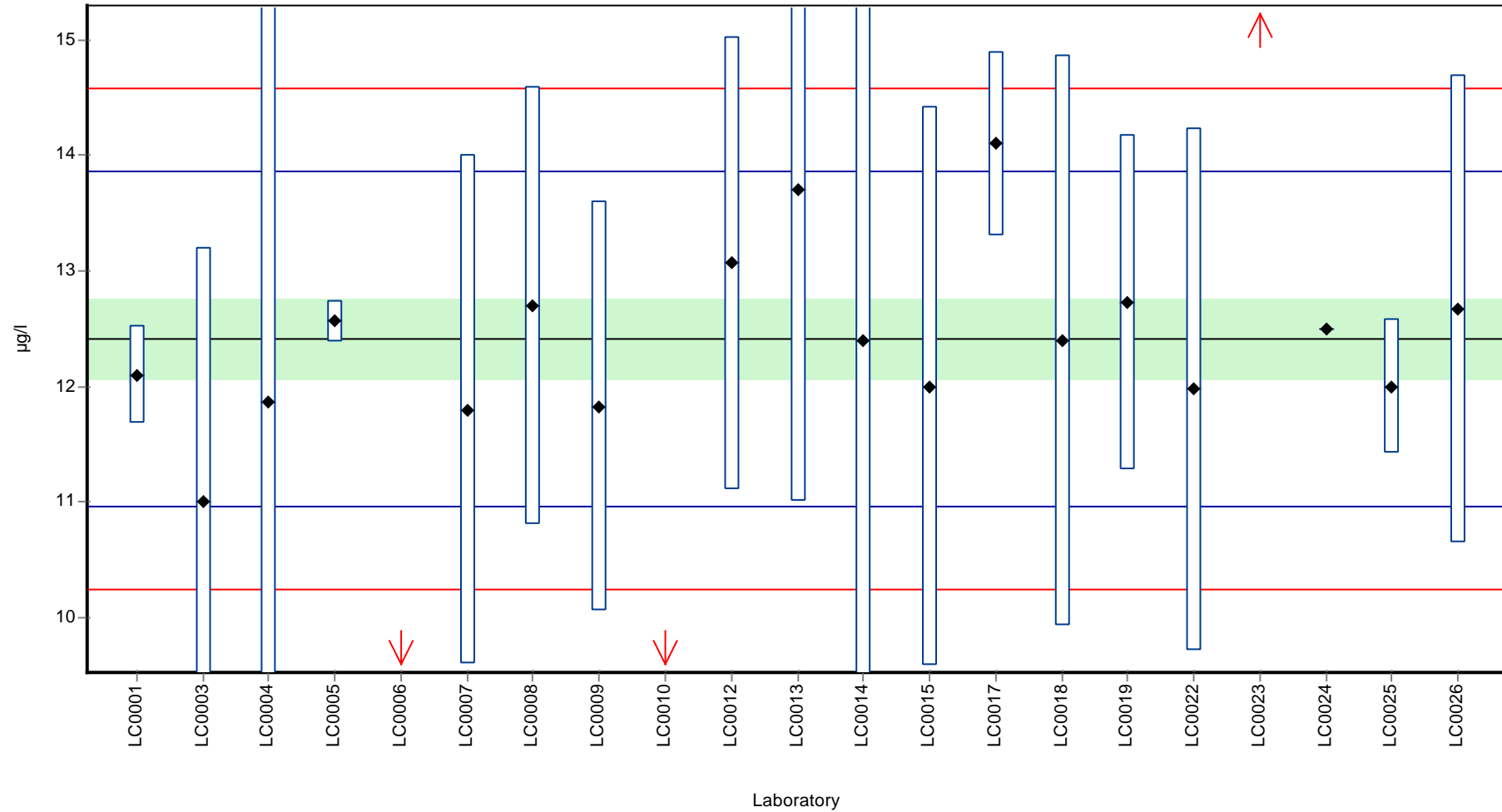
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	12.100	0.420	97.5	-0.4	
LC0002	-	-	-	-	
LC0003	11.000	2.200	88.6	-2.0	
LC0004	11.870	3.560	95.6	-0.8	
LC0005	12.565	0.176	101.2	0.2	
LC0006	8.757	30.000	70.6	-5.1	H
LC0007	11.800	2.200	95.1	-0.8	
LC0008	12.700	1.900	102.3	0.4	
LC0009	11.830	1.770	95.3	-0.8	
LC0010	9.370	0.700	75.5	-4.2	H
LC0011	-	-	-	-	
LC0012	13.070	1.960	105.3	0.9	
LC0013	13.700	2.700	110.4	1.8	
LC0014	12.400	4.090	99.9	0.0	
LC0015	12.000	2.420	96.7	-0.6	
LC0016	-	-	-	-	
LC0017	14.100	0.800	113.6	2.3	
LC0018	12.400	2.470	99.9	0.0	
LC0019	12.730	1.450	102.6	0.4	
LC0020	-	-	-	-	
LC0021	-	-	-	-	
LC0022	11.977	2.260	96.5	-0.6	
LC0023	29.000	2.900	233.6	23.0	H
LC0024	12.500	-	100.7	0.1	
LC0025	12.000	0.580	96.7	-0.6	
LC0026	12.673	2.028	102.1	0.4	

Characteristics of parameter

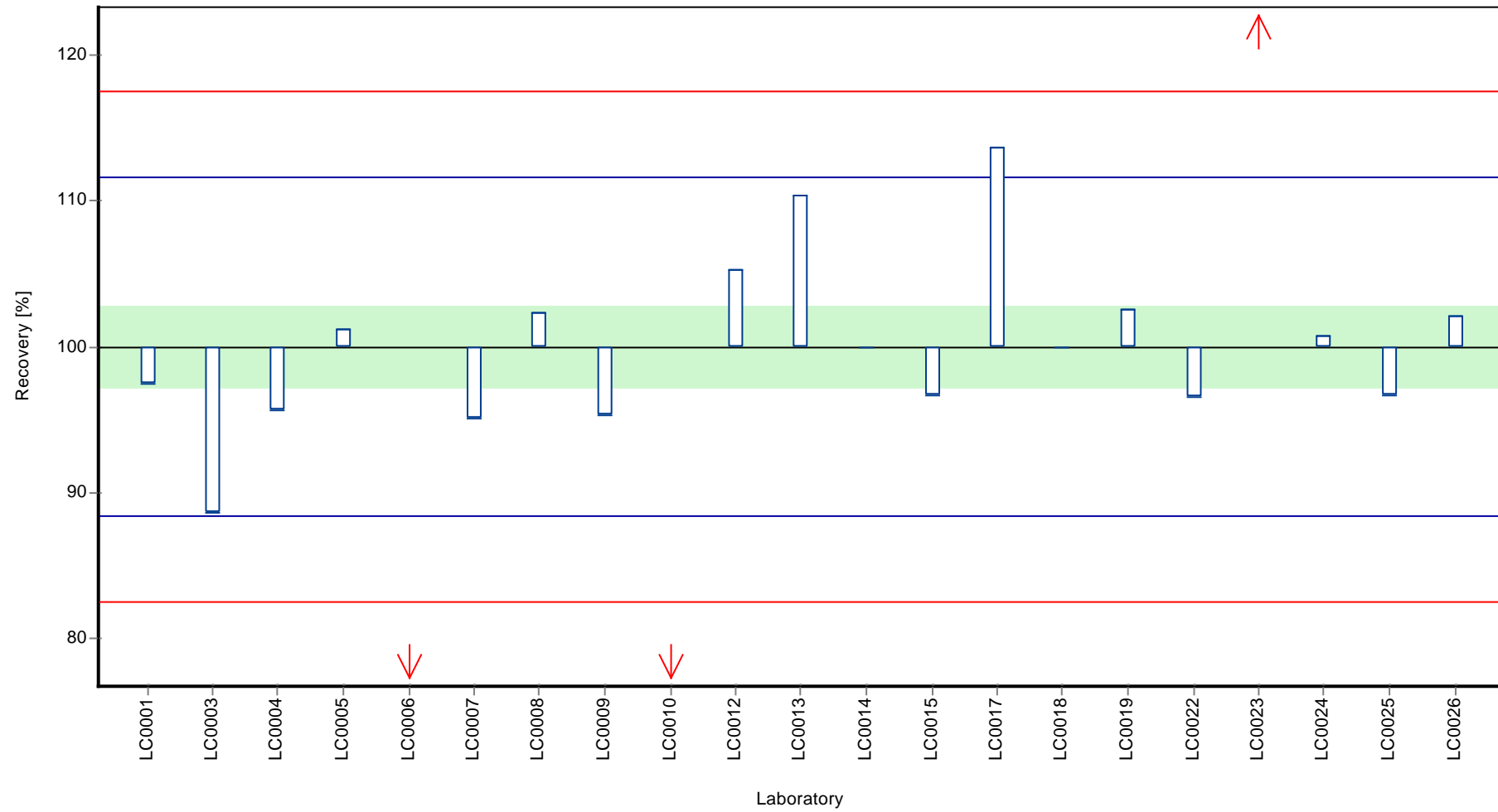
	all results	without outliers	Unit
Mean ± CI (99%)	12.9 ± 2.54	12.4 ± 0.51	µg/l
Minimum	8.76	11	µg/l
Maximum	29	14.1	µg/l
Standard deviation	3.89	0.722	µg/l
rel. Standard deviation	30.2	5.81	%
n	21	18	-

Graphical presentation of results

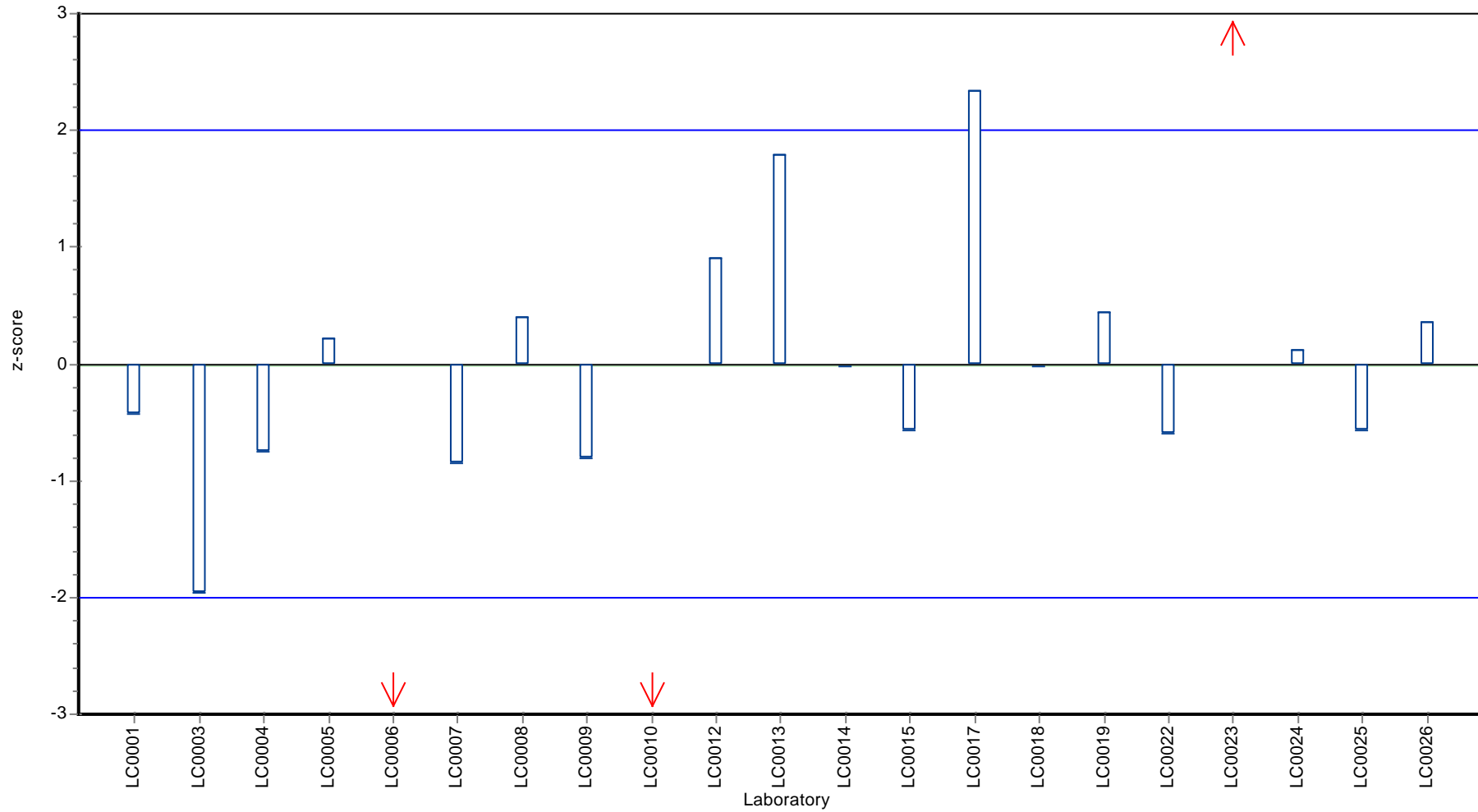
Results



Recovery rate



Z-score



Parameter oriented report Volatile Halogenated Hydrocarbons C55

Sample: C55B, Parameter: Trichloroethene

Parameter oriented report

C55 B

Trichloroethene

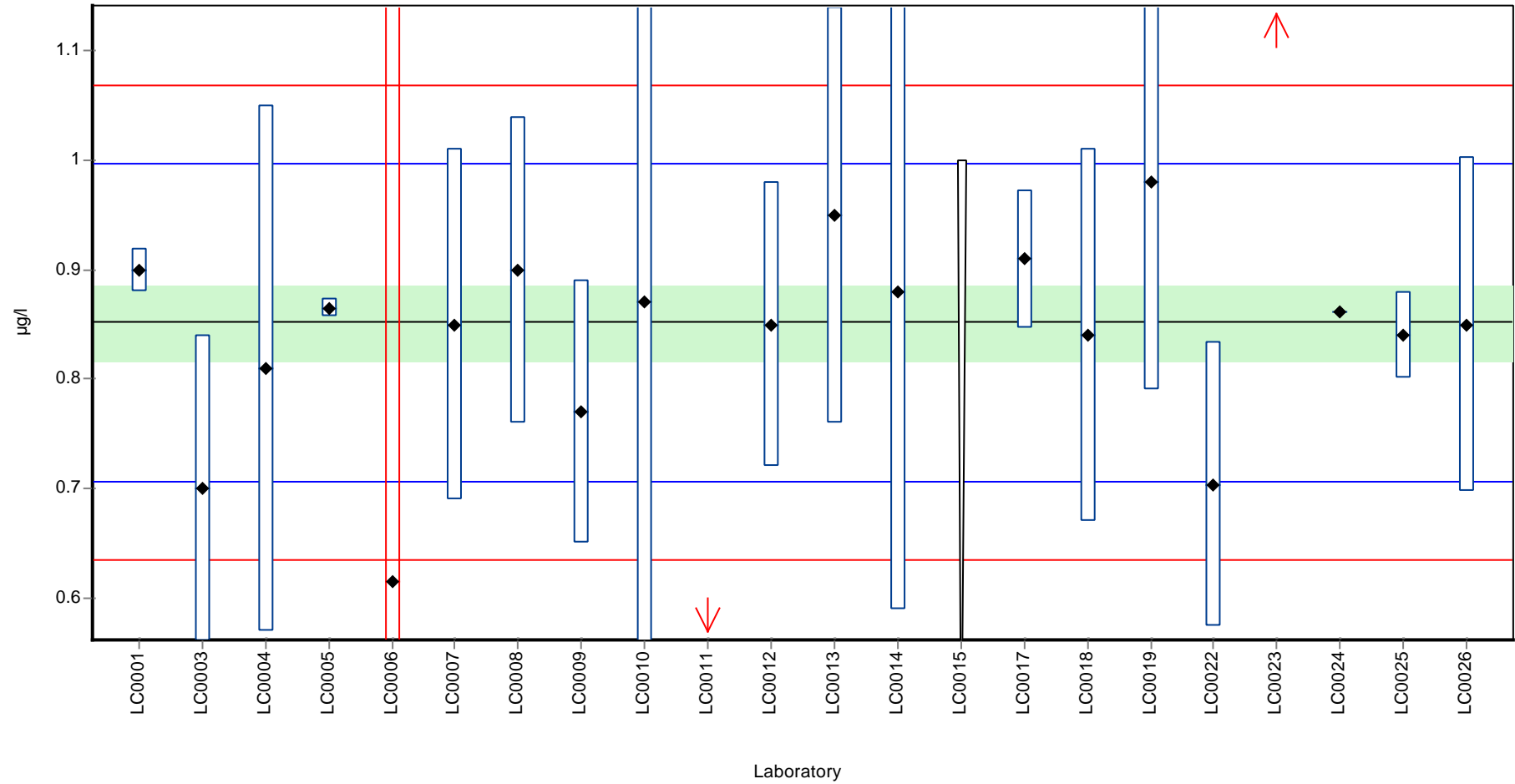
Unit	µg/l
Mean ± CI (99%)	0.852 ± 0.0512
Minimum - Maximum	0.7 - 0.98
Check value ± U	0.81 ± 0.081

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.900	0.020	105.7	0.7	
LC0002	-	-	-	-	
LC0003	0.700	0.140	82.2	-2.1	
LC0004	0.810	0.240	95.1	-0.6	
LC0005	0.865	0.008	101.6	0.2	
LC0006	0.616	30.000	72.3	-3.3	H
LC0007	0.850	0.160	99.8	0.0	
LC0008	0.900	0.140	105.7	0.7	
LC0009	0.770	0.120	90.4	-1.1	
LC0010	0.870	0.400	102.2	0.3	
LC0011	0.447	0.067	52.5	-5.6	H
LC0012	0.850	0.130	99.8	0.0	
LC0013	0.950	0.190	111.5	1.4	
LC0014	0.880	0.290	103.3	0.4	
LC0015	< 1 (LOQ)	-	-	-	
LC0016	-	-	-	-	
LC0017	0.910	0.063	106.8	0.8	
LC0018	0.840	0.170	98.6	-0.2	
LC0019	0.980	0.190	115.1	1.8	
LC0020	-	-	-	-	
LC0021	-	-	-	-	
LC0022	0.704	0.130	82.7	-2.0	
LC0023	1.900	0.200	223.1	14.5	H
LC0024	0.861	-	101.1	0.1	
LC0025	0.840	0.040	98.6	-0.2	
LC0026	0.850	0.153	99.8	0.0	

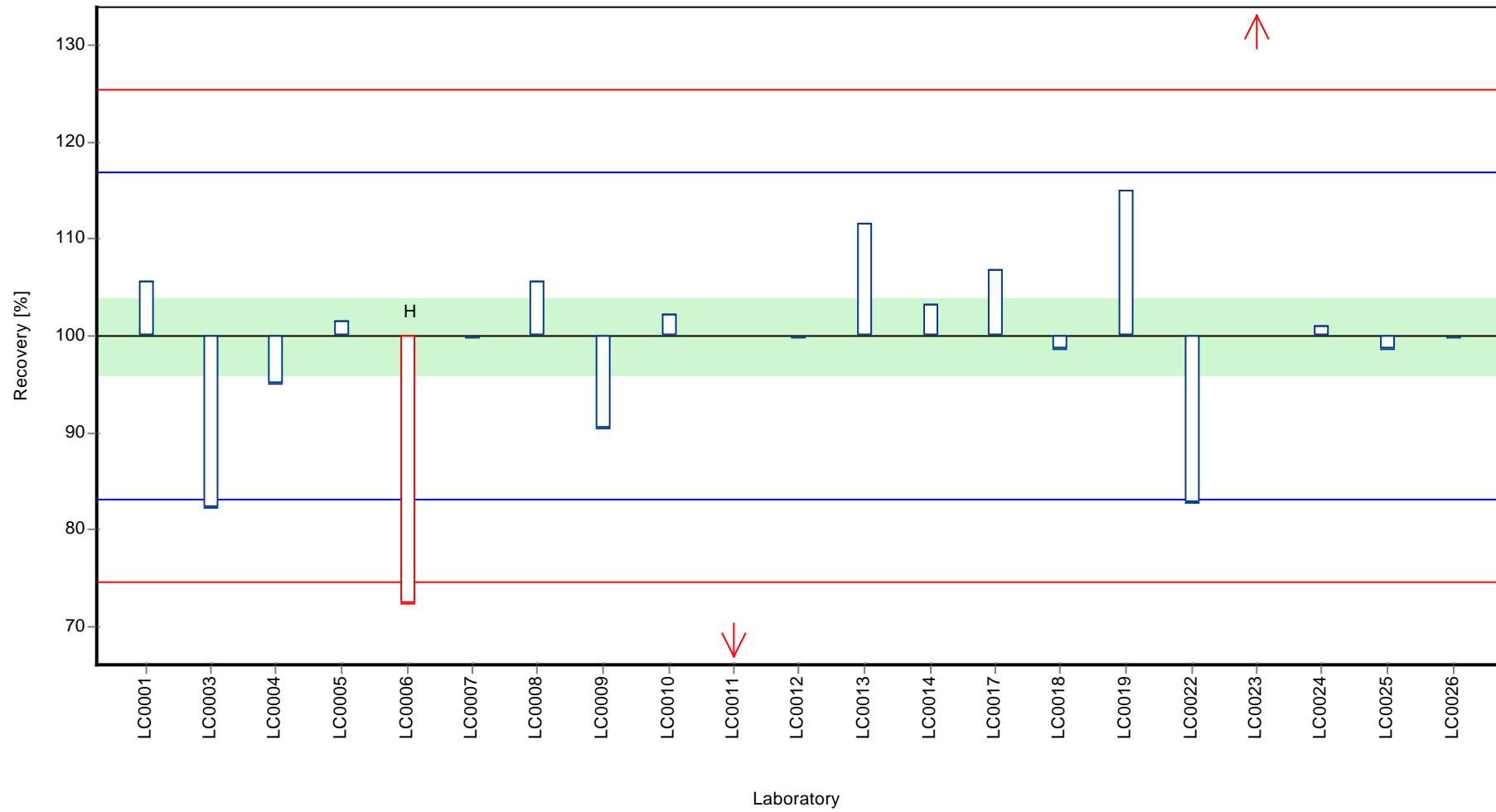
Characteristics of parameter

	all results	without outliers	Unit
Mean ± CI (99%)	0.871 ± 0.173	0.852 ± 0.0512	µg/l
Minimum	0.447	0.7	µg/l
Maximum	1.9	0.98	µg/l
Standard deviation	0.265	0.0724	µg/l
rel. Standard deviation	30.4	8.5 %	
n	21	18	-

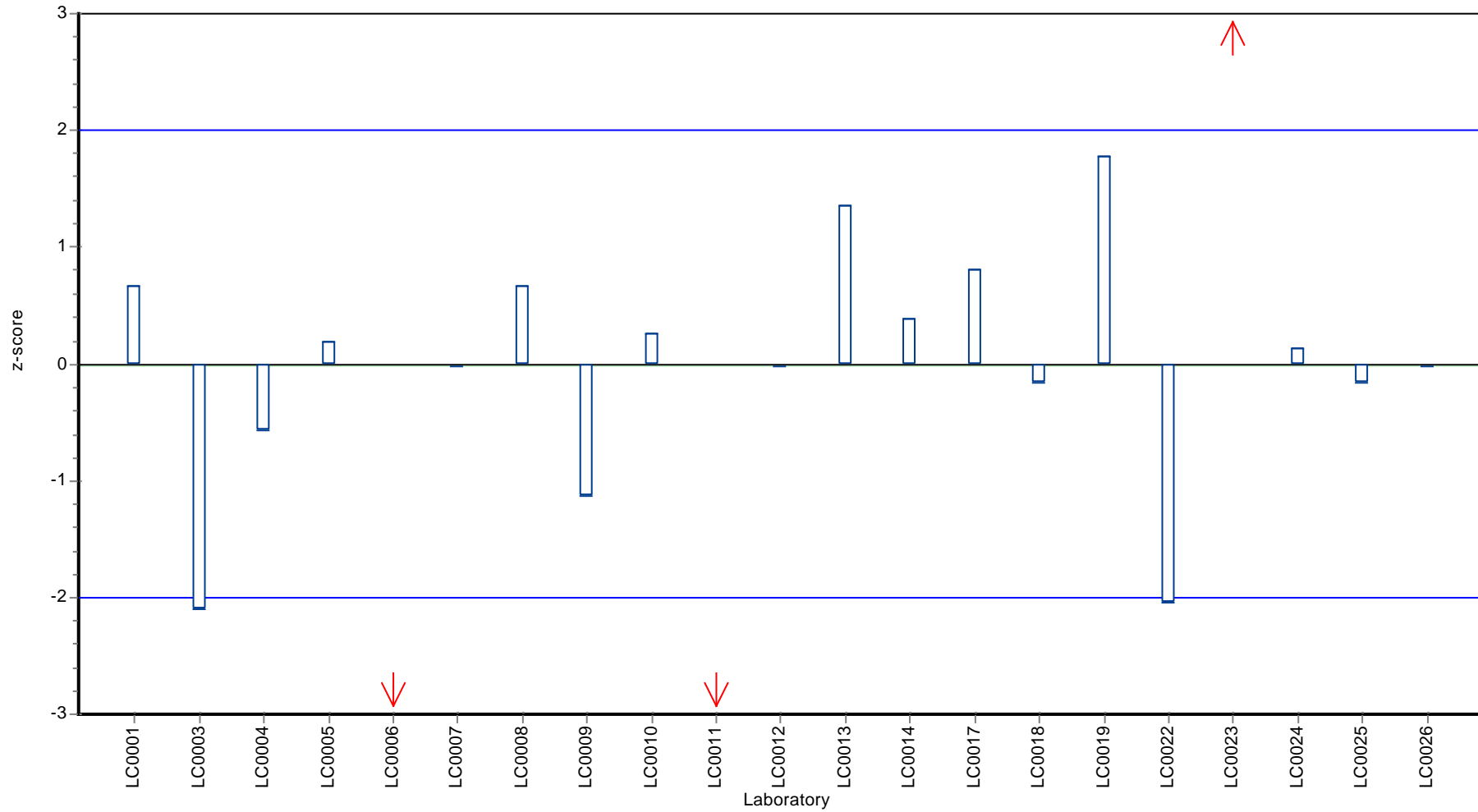
Graphical presentation of results
Results



Recovery rate



Z-score



Parameter oriented report

C55 A

Trichloromethane

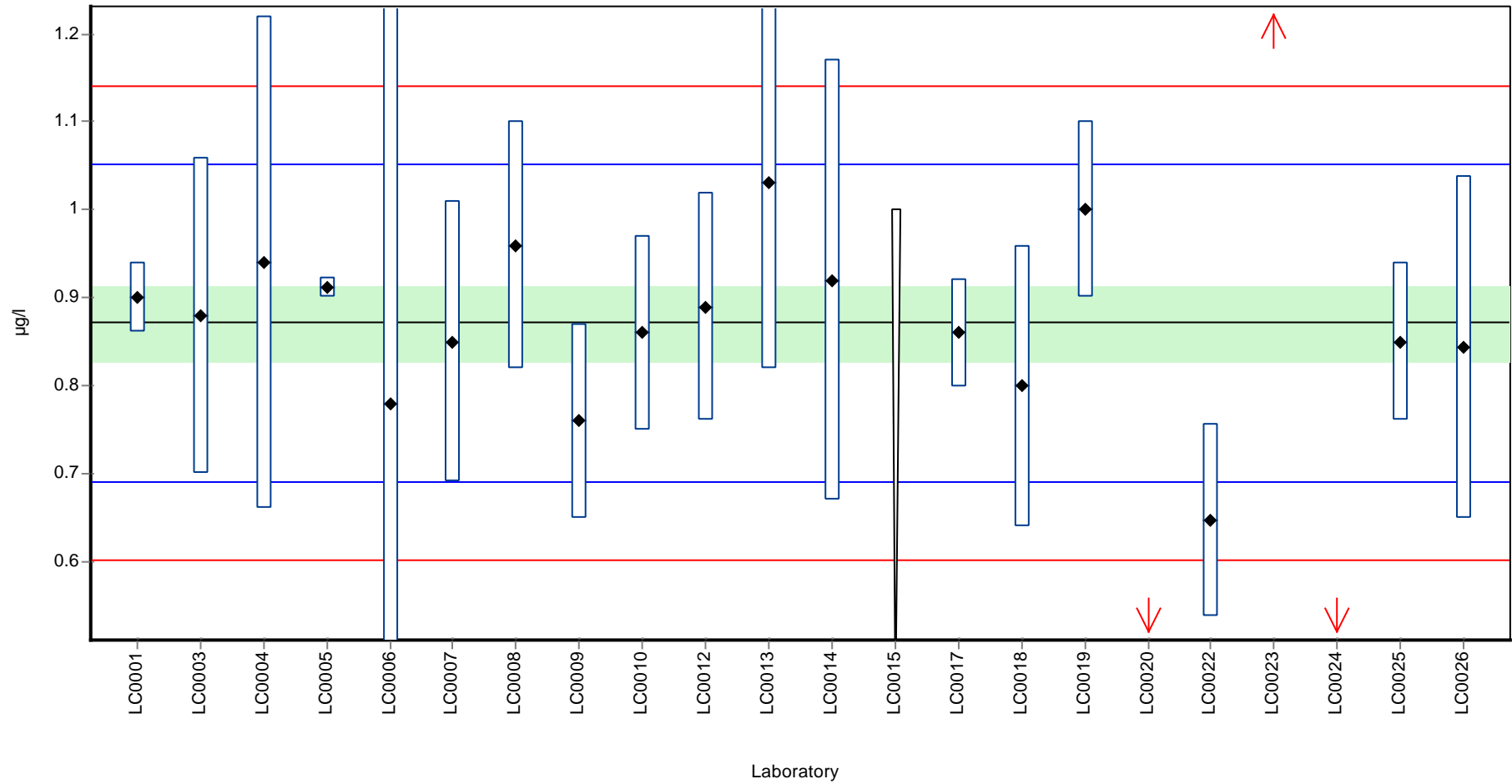
Unit	µg/l
Mean ± CI (99%)	0.871 ± 0.0636
Minimum - Maximum	0.647 - 1.03
Check value ± U	1.0 ± 0.092

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.900	0.040	103.3	0.3	
LC0002	-	-	-	-	
LC0003	0.880	0.180	101.0	0.1	
LC0004	0.940	0.280	107.9	0.8	
LC0005	0.912	0.011	104.7	0.5	
LC0006	0.780	30.000	89.5	-1.0	
LC0007	0.850	0.160	97.6	-0.2	
LC0008	0.960	0.140	110.2	1.0	
LC0009	0.760	0.110	87.2	-1.2	
LC0010	0.860	0.110	98.7	-0.1	
LC0011	-	-	-	-	
LC0012	0.890	0.130	102.1	0.2	
LC0013	1.030	0.210	118.2	1.8	
LC0014	0.920	0.250	105.6	0.5	
LC0015	< 1 (LOQ)	-	-	-	
LC0016	-	-	-	-	
LC0017	0.860	0.061	98.7	-0.1	
LC0018	0.800	0.160	91.8	-0.8	
LC0019	1.000	0.100	114.8	1.4	
LC0020	0.300	0.010	34.4	-6.3	H
LC0021	-	-	-	-	
LC0022	0.647	0.110	74.3	-2.5	
LC0023	1.500	0.200	172.2	7.0	H
LC0024	0.381	-	43.7	-5.4	H
LC0025	0.850	0.090	97.6	-0.2	
LC0026	0.844	0.194	96.9	-0.3	

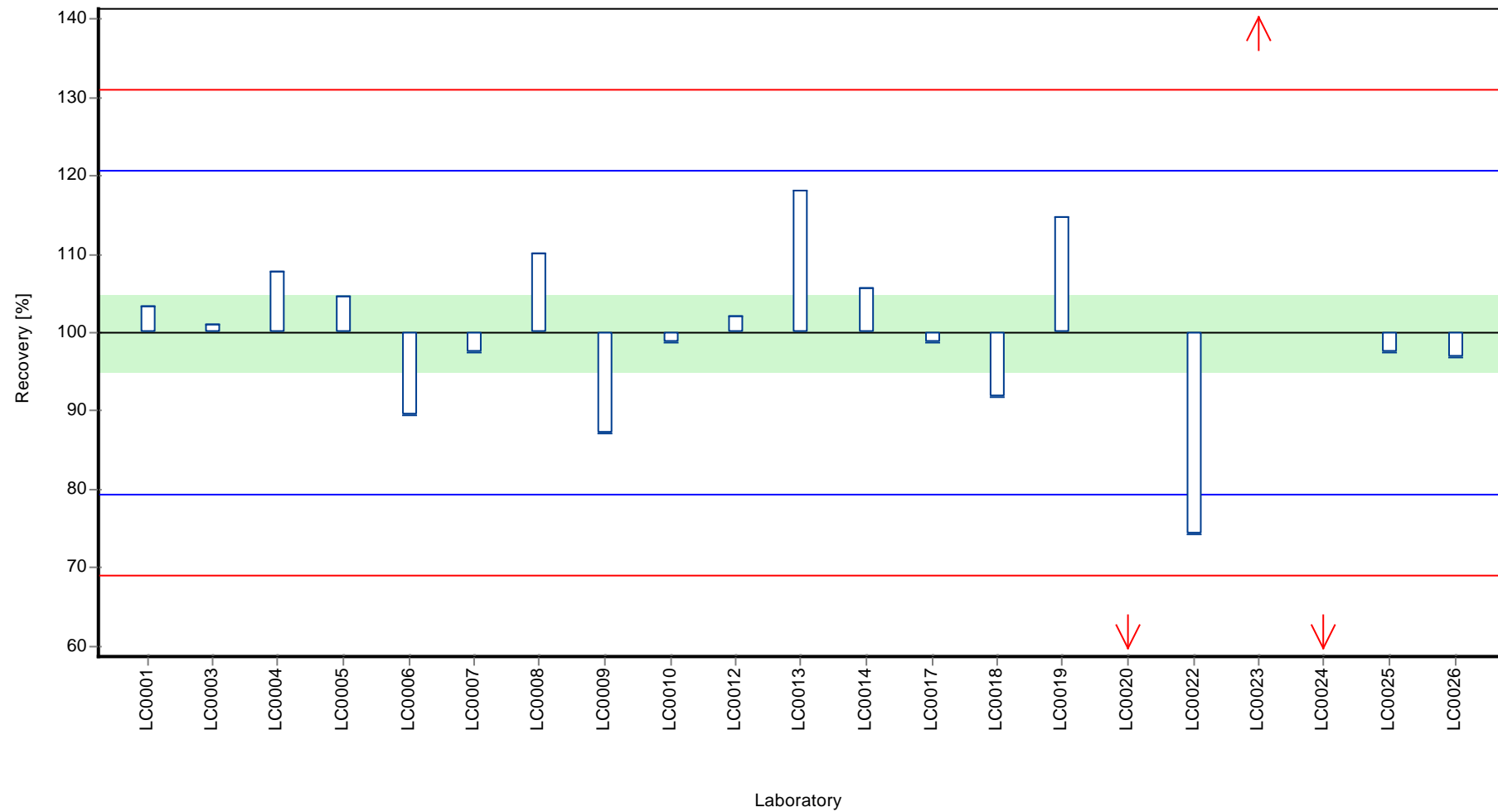
Characteristics of parameter

	all results	without outliers	Unit
Mean ± CI (99%)	0.851 ± 0.153	0.871 ± 0.0636	µg/l
Minimum	0.3	0.647	µg/l
Maximum	1.5	1.03	µg/l
Standard deviation	0.234	0.09	µg/l
rel. Standard deviation	27.5	10.3	%
n	21	18	-

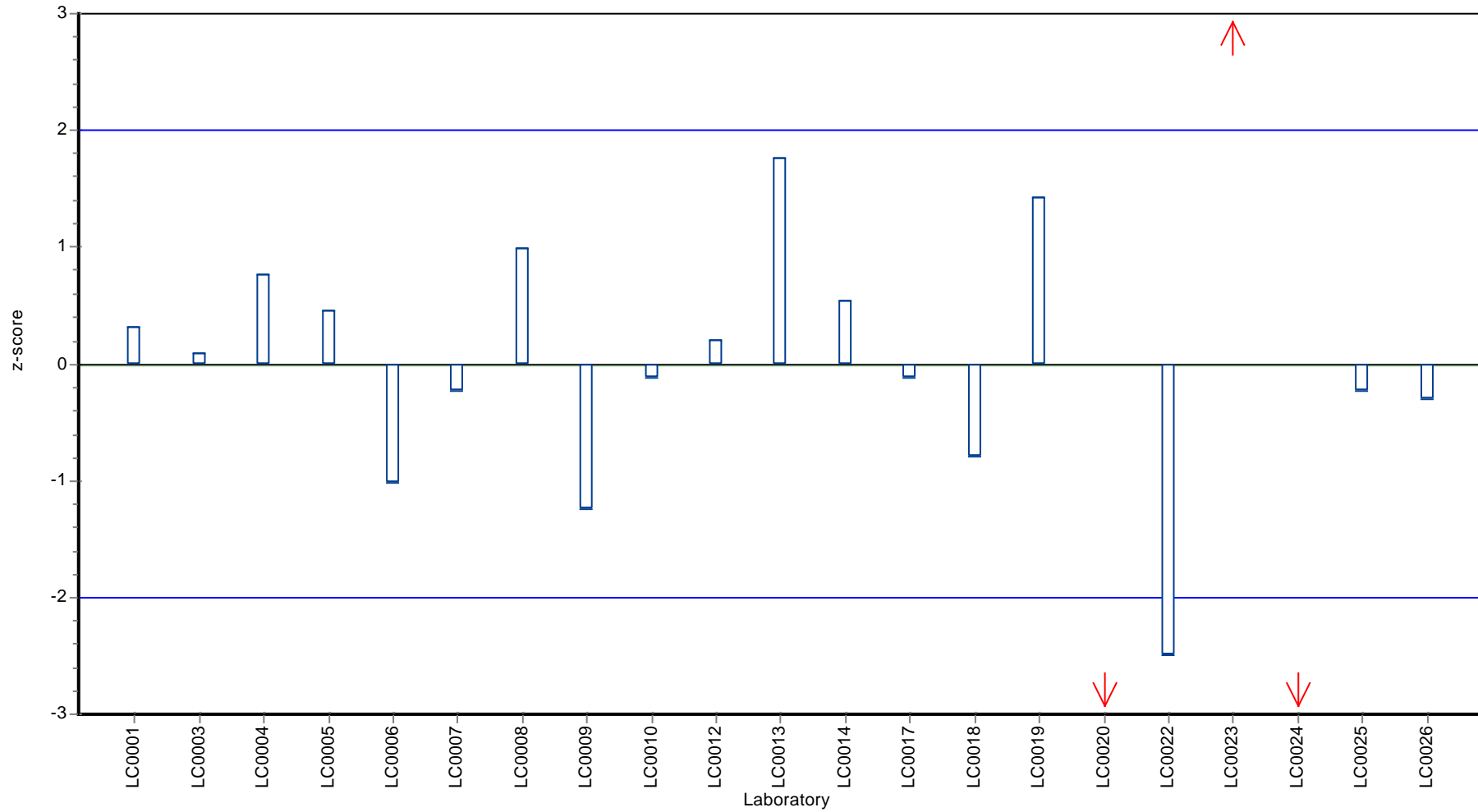
Graphical presentation of results
Results



Recovery rate



Z-score



Parameter oriented report

C55 B

Trichloromethane

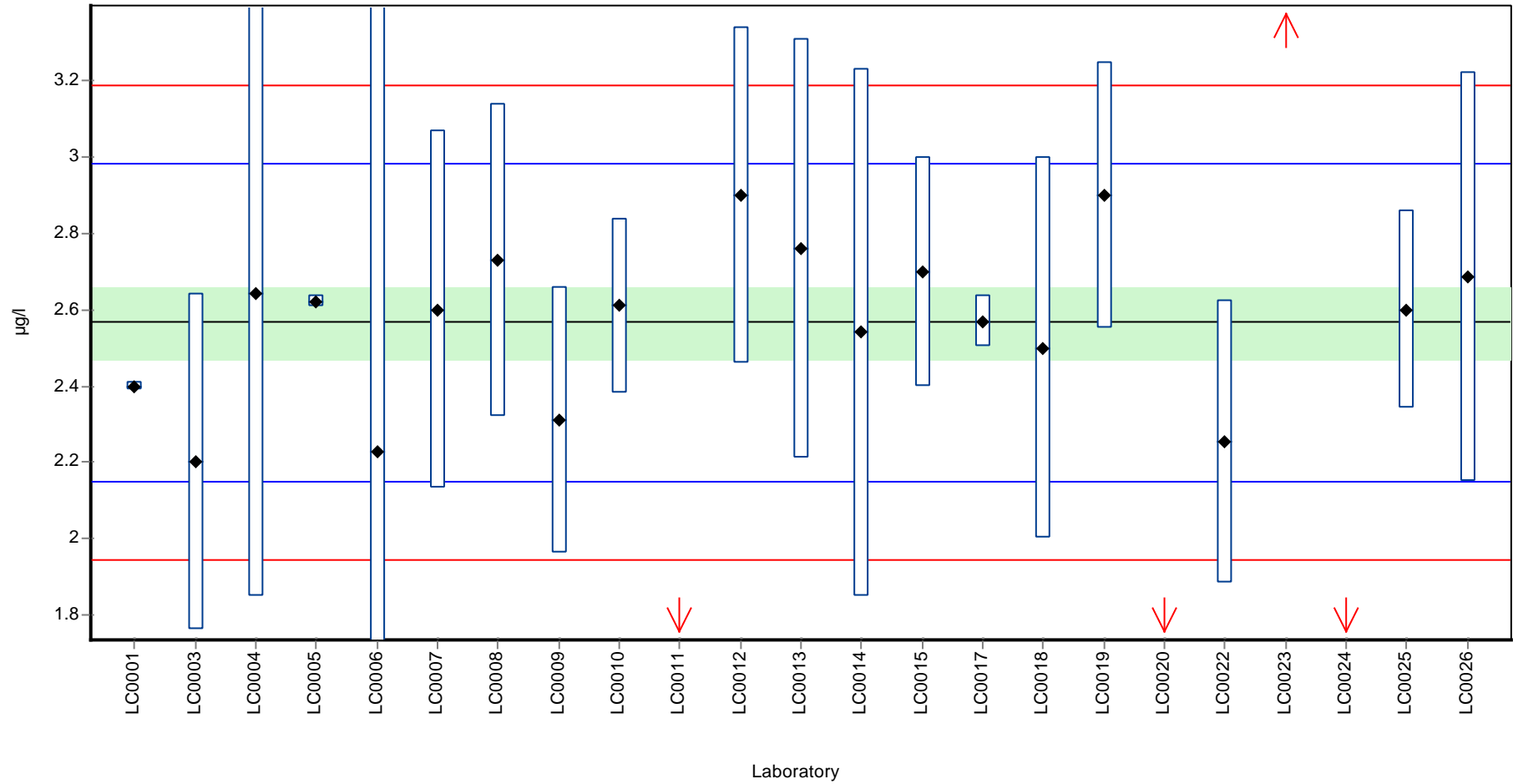
Unit	µg/l
Mean ± CI (99%)	2.57 ± 0.143
Minimum - Maximum	2.2 - 2.9
Check value ± U	2.6 ± 0.089

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	2.400	0.010	93.5	-0.8	
LC0002	-	-	-	-	
LC0003	2.200	0.440	85.7	-1.8	
LC0004	2.640	0.790	102.9	0.4	
LC0005	2.622	0.016	102.2	0.3	
LC0006	2.229	30.000	86.9	-1.6	
LC0007	2.600	0.470	101.3	0.2	
LC0008	2.730	0.410	106.4	0.8	
LC0009	2.310	0.350	90.0	-1.2	
LC0010	2.610	0.230	101.7	0.2	
LC0011	1.370	0.210	53.4	-5.8	H
LC0012	2.900	0.440	113.0	1.6	
LC0013	2.760	0.550	107.6	0.9	
LC0014	2.540	0.690	99.0	-0.1	
LC0015	2.700	0.300	105.2	0.6	
LC0016	-	-	-	-	
LC0017	2.570	0.069	100.2	0.0	
LC0018	2.500	0.500	97.4	-0.3	
LC0019	2.900	0.350	113.0	1.6	
LC0020	1.700	0.070	66.3	-4.2	H
LC0021	-	-	-	-	
LC0022	2.253	0.370	87.8	-1.5	
LC0023	4.700	0.500	183.2	10.3	H
LC0024	1.629	-	63.5	-4.5	H
LC0025	2.600	0.260	101.3	0.2	
LC0026	2.687	0.537	104.7	0.6	

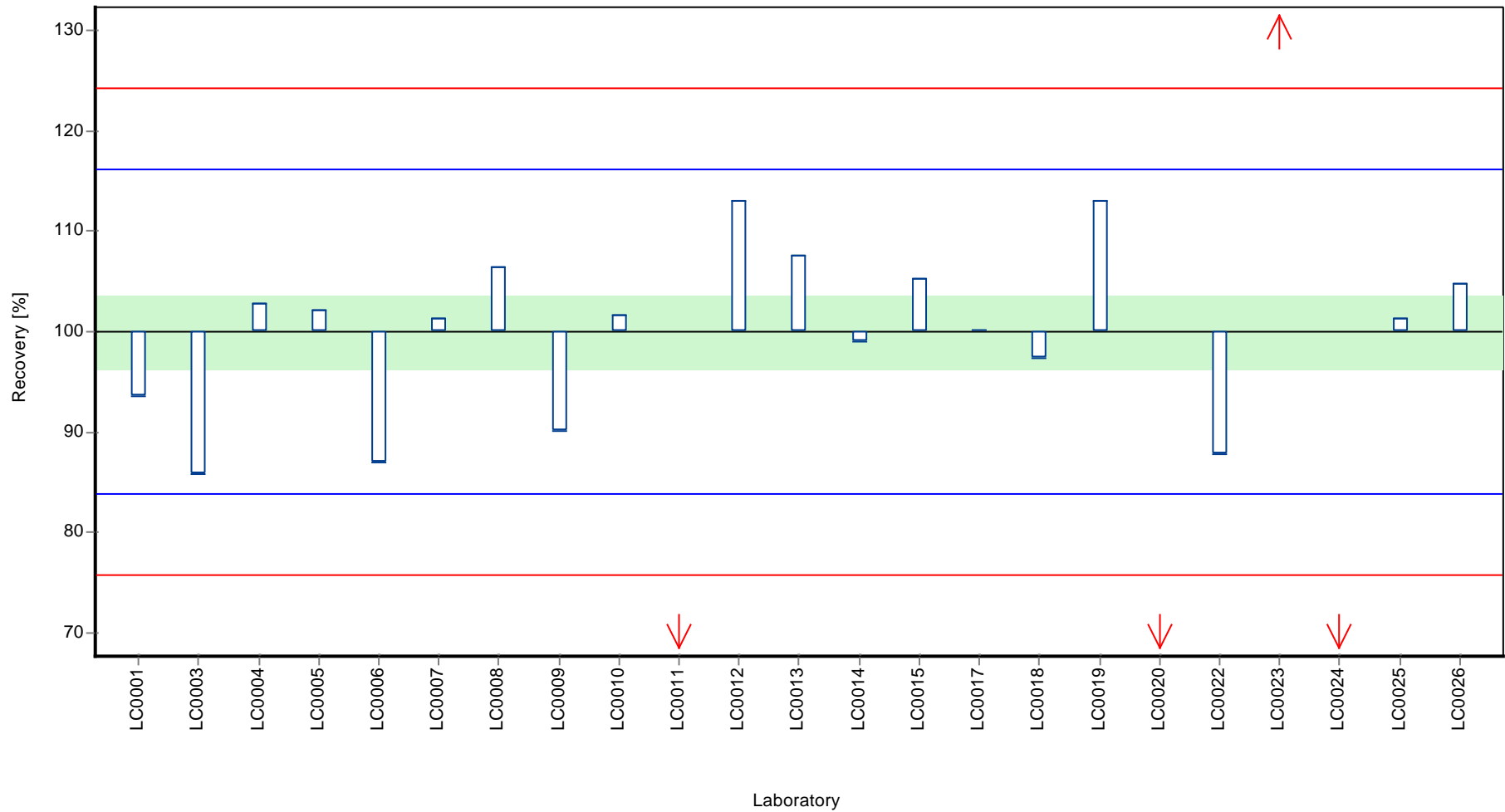
Characteristics of parameter

	all results	without outliers	Unit
Mean ± CI (99%)	2.53 ± 0.386	2.57 ± 0.143	µg/l
Minimum	1.37	2.2	µg/l
Maximum	4.7	2.9	µg/l
Standard deviation	0.616	0.208	µg/l
rel. Standard deviation	24.4	8.1	%
n	23	19	-

Graphical presentation of results
Results



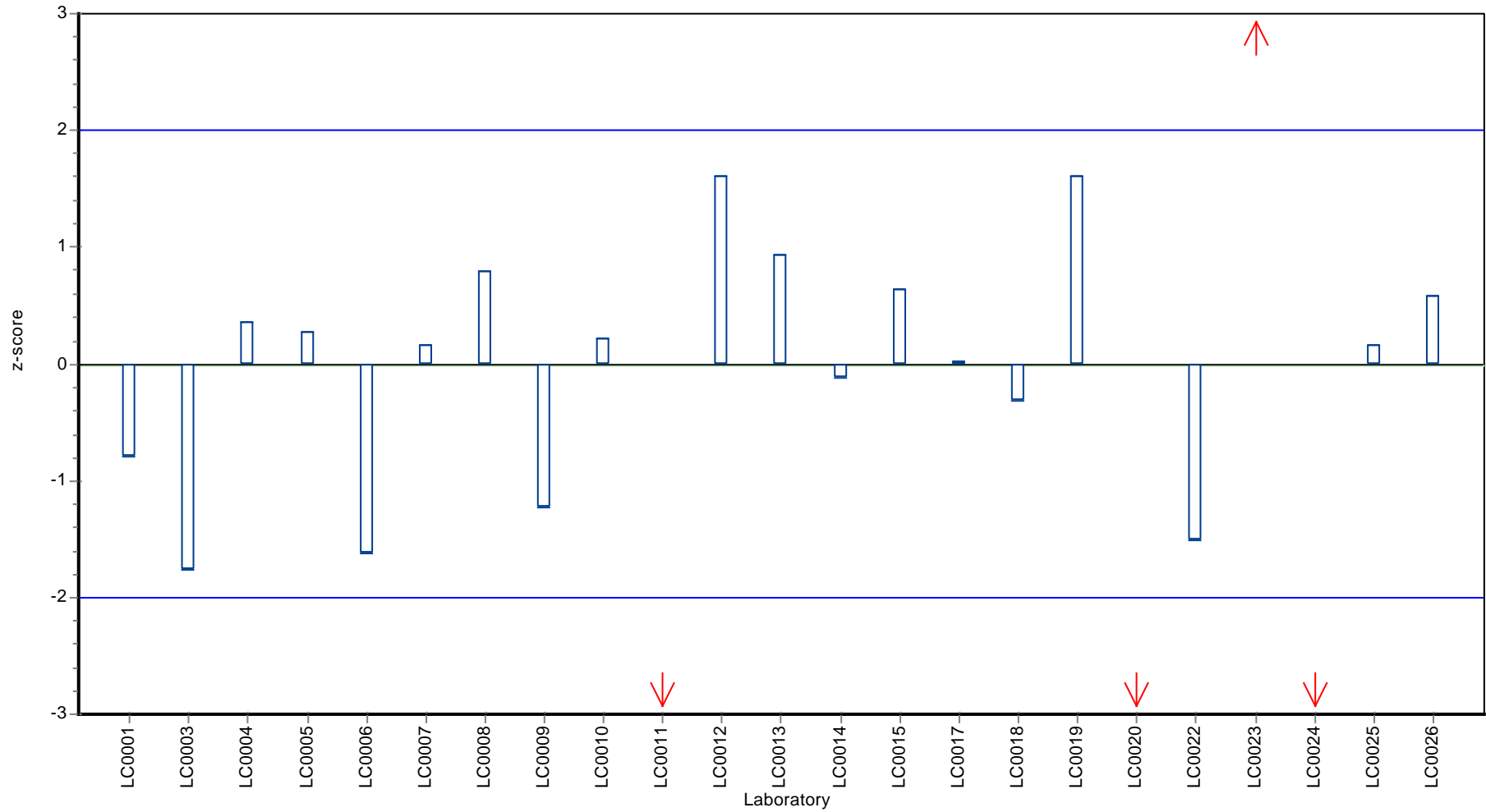
Recovery rate



Parameter oriented report Volatile Halogenated Hydrocarbons C55

Sample: C55B, Parameter: Trichloromethane

Z-score



8 Laboratory oriented report

The laboratory oriented report is sorted by laboratory code.

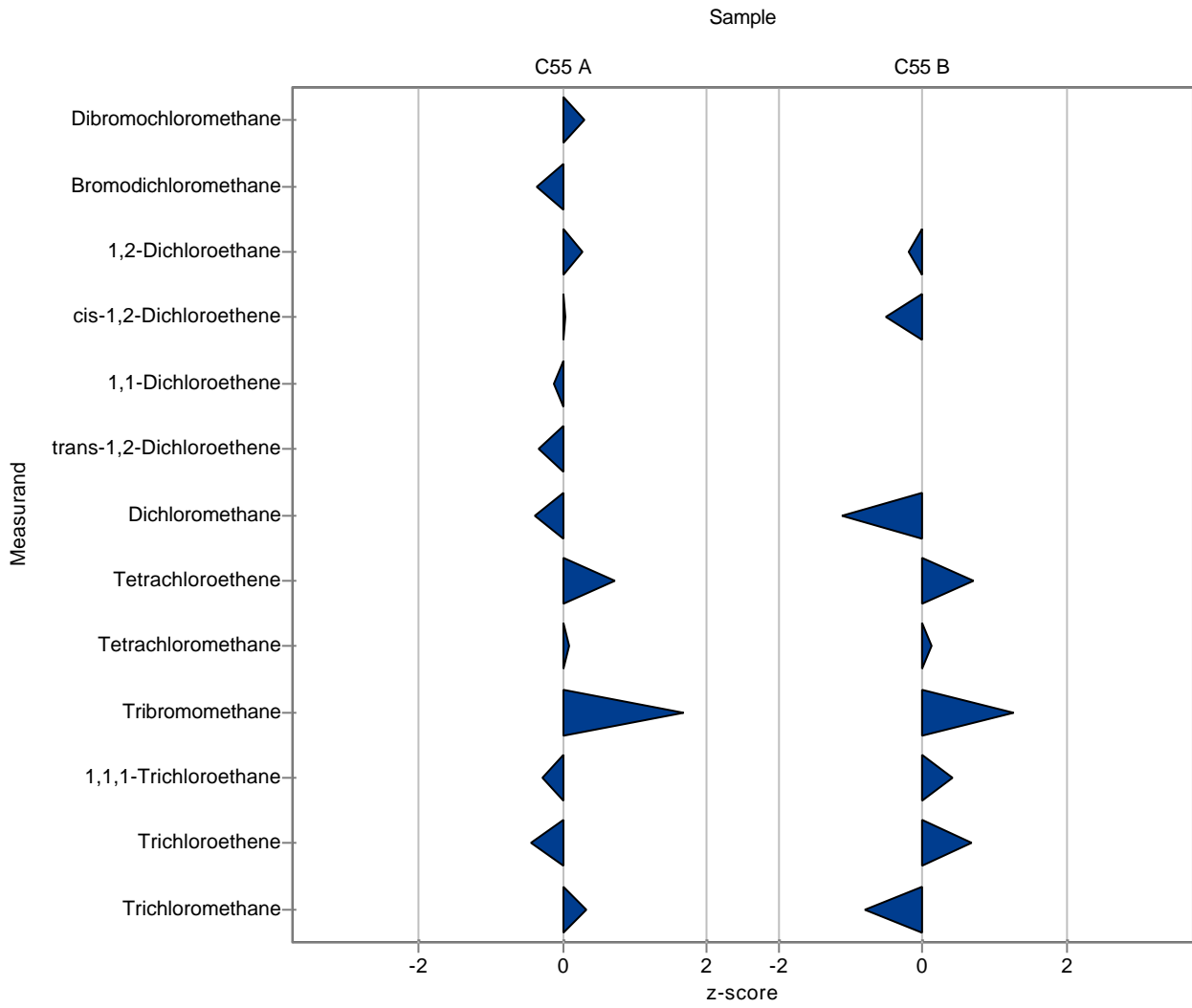
The following results were achieved:

Sample: C55A

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
Dibromochloromethane	µg/l	1.65	± 0.107	1.7	0.04	0.16	103.0	0.31
Bromodichloromethane	µg/l	2.47	± 0.136	2.4	0.15	0.203	97.1	-0.35
1,2-Dichloroethane	µg/l	5.26	± 0.362	5.4	0.15	0.512	102.7	0.28
cis-1,2-Dichloroethene	µg/l	4.38	± 0.327	4.4	0.34	0.436	100.4	0.04
1,1-Dichloroethene	µg/l	5.09	± 0.449	5.01	0.32	0.616	98.4	-0.13
trans-1,2-Dichloroethene	µg/l	1.14	± 0.102	1.1	0.07	0.132	96.2	-0.33
Dichloromethane	µg/l	10.2	± 0.696	9.8	0.4	0.956	96.3	-0.39
Tetrachloroethene	µg/l	7.93	± 0.535	8.5	0.35	0.797	107.2	0.72
Tetrachloromethane	µg/l	3.17	± 0.194	3.2	0.32	0.282	100.9	0.10
Tribromomethane	µg/l	7.64	± 0.363	8.5	0.12	0.514	111.2	1.67
1,1,1-Trichloroethane	µg/l	2.76	± 0.148	2.7	0.2	0.22	97.7	-0.29
Trichloroethene	µg/l	12.4	± 0.51	12.1	0.42	0.722	97.5	-0.43
Trichloromethane	µg/l	0.871	± 0.0636	0.9	0.04	0.09	103.3	0.32

Sample: C55B

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
Dibromochloromethane	µg/l	-	± -	<1 (LOQ)	-	-	-	-
Bromodichloromethane	µg/l	-	± -	<1 (LOQ)	-	-	-	-
1,2-Dichloroethane	µg/l	2.38	± 0.271	2.3	0.02	0.423	96.6	-0.19
cis-1,2-Dichloroethene	µg/l	1.53	± 0.181	1.4	0.01	0.256	91.6	-0.50
1,1-Dichloroethene	µg/l	-	± -	<0.2 (LOQ)	-	-	-	-
trans-1,2-Dichloroethene	µg/l	-	± -	<1 (LOQ)	-	-	-	-
Dichloromethane	µg/l	5.3	± 0.324	4.8	0.06	0.446	90.6	-1.12
Tetrachloroethene	µg/l	0.462	± 0.0366	0.5	0.01	0.0532	108.2	0.71
Tetrachloromethane	µg/l	0.692	± 0.0433	0.7	0.01	0.0629	101.2	0.13
Tribromomethane	µg/l	2.11	± 0.202	2.5	0.01	0.309	118.5	1.26
1,1,1-Trichloroethane	µg/l	1.45	± 0.0752	1.5	0.01	0.112	103.2	0.41
Trichloroethene	µg/l	0.852	± 0.0512	0.9	0.02	0.0724	105.7	0.67
Trichloromethane	µg/l	2.57	± 0.143	2.4	0.01	0.208	93.5	-0.80



The following results were achieved:

Sample: C55A

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
Dibromochloromethane	µg/l	1.65	± 0.107	-	-	0.16	-	-
Bromodichloromethane	µg/l	2.47	± 0.136	-	-	0.203	-	-
1,2-Dichloroethane	µg/l	5.26	± 0.362	-	-	0.512	-	-
cis-1,2-Dichloroethene	µg/l	4.38	± 0.327	-	-	0.436	-	-
1,1-Dichloroethene	µg/l	5.09	± 0.449	-	-	0.616	-	-
trans-1,2-Dichloroethene	µg/l	1.14	± 0.102	-	-	0.132	-	-
Dichloromethane	µg/l	10.2	± 0.696	-	-	0.956	-	-
Tetrachloroethene	µg/l	7.93	± 0.535	-	-	0.797	-	-
Tetrachloromethane	µg/l	3.17	± 0.194	-	-	0.282	-	-
Tribromomethane	µg/l	7.64	± 0.363	-	-	0.514	-	-
1,1,1-Trichloroethane	µg/l	2.76	± 0.148	-	-	0.22	-	-
Trichloroethene	µg/l	12.4	± 0.51	-	-	0.722	-	-
Trichloromethane	µg/l	0.871	± 0.0636	-	-	0.09	-	-

Sample: C55B

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
Dibromochloromethane	µg/l	-	± -	-	-	-	-	-
Bromodichloromethane	µg/l	-	± -	-	-	-	-	-
1,2-Dichloroethane	µg/l	2.38	± 0.271	-	-	0.423	-	-
cis-1,2-Dichloroethene	µg/l	1.53	± 0.181	-	-	0.256	-	-
1,1-Dichloroethene	µg/l	-	± -	-	-	-	-	-
trans-1,2-Dichloroethene	µg/l	-	± -	-	-	-	-	-
Dichloromethane	µg/l	5.3	± 0.324	-	-	0.446	-	-
Tetrachloroethene	µg/l	0.462	± 0.0366	-	-	0.0532	-	-
Tetrachloromethane	µg/l	0.692	± 0.0433	-	-	0.0629	-	-
Tribromomethane	µg/l	2.11	± 0.202	-	-	0.309	-	-
1,1,1-Trichloroethane	µg/l	1.45	± 0.0752	-	-	0.112	-	-
Trichloroethene	µg/l	0.852	± 0.0512	-	-	0.0724	-	-
Trichloromethane	µg/l	2.57	± 0.143	-	-	0.208	-	-

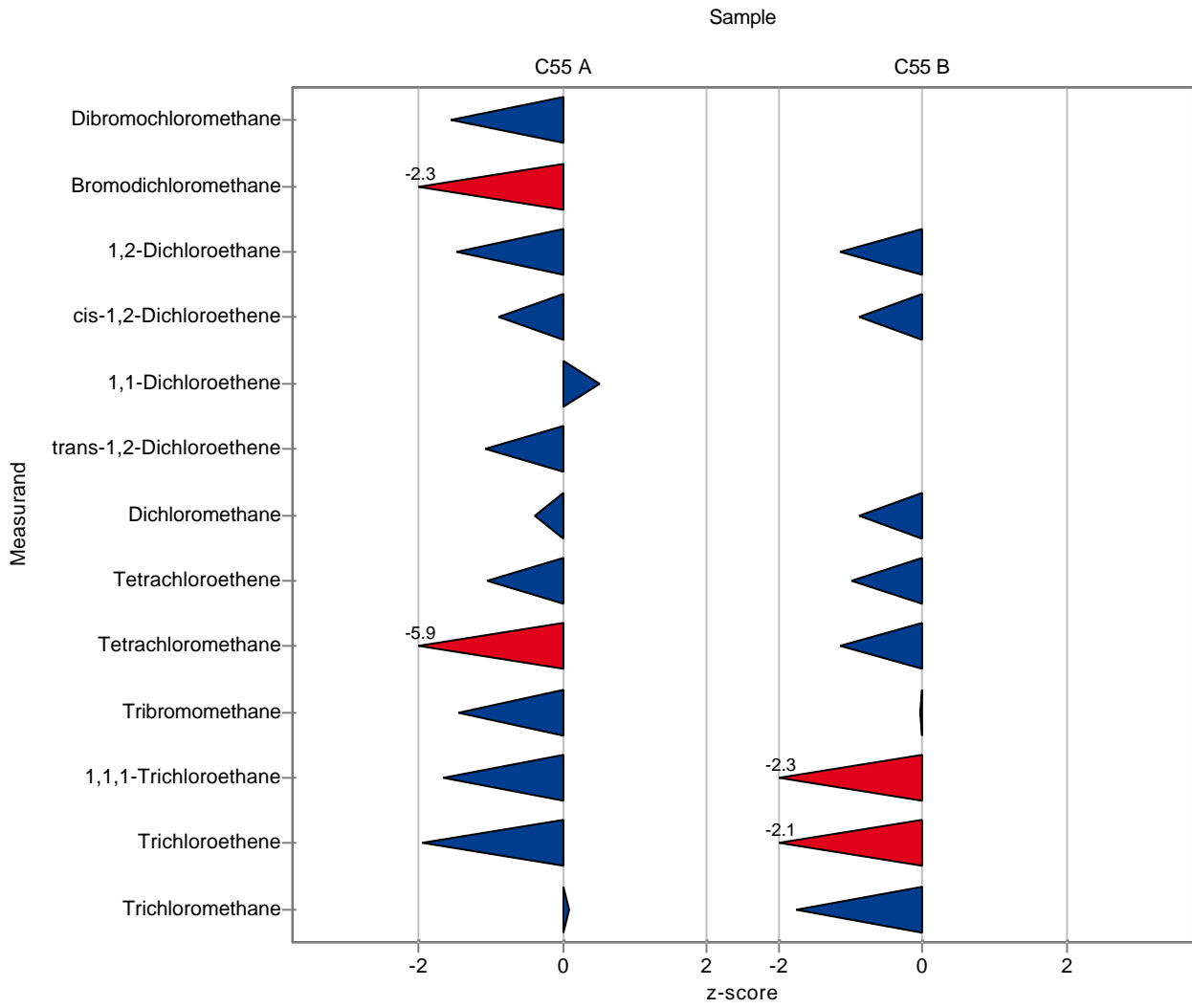
The following results were achieved:

Sample: C55A

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
Dibromochloromethane	µg/l	1.65	± 0.107	1.4	0.28	0.16	84.8	-1.56
Bromodichloromethane	µg/l	2.47	± 0.136	2	0.4	0.203	80.9	-2.32
1,2-Dichloroethane	µg/l	5.26	± 0.362	4.5	0.9	0.512	85.6	-1.48
cis-1,2-Dichloroethene	µg/l	4.38	± 0.327	4	0.8	0.436	91.3	-0.88
1,1-Dichloroethene	µg/l	5.09	± 0.449	5.4	1.1	0.616	106.1	0.50
trans-1,2-Dichloroethene	µg/l	1.14	± 0.102	1	0.2	0.132	87.5	-1.09
Dichloromethane	µg/l	10.2	± 0.696	9.8	2	0.956	96.3	-0.39
Tetrachloroethene	µg/l	7.93	± 0.535	7.1	1.4	0.797	89.6	-1.04
Tetrachloromethane	µg/l	3.17	± 0.194	1.5	0.3	0.282	47.3	-5.93
Tribromomethane	µg/l	7.64	± 0.363	6.9	1.4	0.514	90.3	-1.45
1,1,1-Trichloroethane	µg/l	2.76	± 0.148	2.4	0.48	0.22	86.8	-1.65
Trichloroethene	µg/l	12.4	± 0.51	11	2.2	0.722	88.6	-1.96
Trichloromethane	µg/l	0.871	± 0.0636	0.88	0.18	0.09	101.0	0.10

Sample: C55B

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
Dibromochloromethane	µg/l	-	± -	<0.03 (LOQ)	-	-	-	-
Bromodichloromethane	µg/l	-	± -	<0.03 (LOQ)	-	-	-	-
1,2-Dichloroethane	µg/l	2.38	± 0.271	1.9	0.38	0.423	79.8	-1.14
cis-1,2-Dichloroethene	µg/l	1.53	± 0.181	1.3	0.26	0.256	85.1	-0.89
1,1-Dichloroethene	µg/l	-	± -	<0.03 (LOQ)	-	-	-	-
trans-1,2-Dichloroethene	µg/l	-	± -	<0.03 (LOQ)	-	-	-	-
Dichloromethane	µg/l	5.3	± 0.324	4.9	0.98	0.446	92.5	-0.89
Tetrachloroethene	µg/l	0.462	± 0.0366	0.41	0.082	0.0532	88.7	-0.98
Tetrachloromethane	µg/l	0.692	± 0.0433	0.62	0.12	0.0629	89.6	-1.14
Tribromomethane	µg/l	2.11	± 0.202	2.1	0.42	0.309	99.5	-0.03
1,1,1-Trichloroethane	µg/l	1.45	± 0.0752	1.2	0.24	0.112	82.5	-2.26
Trichloroethene	µg/l	0.852	± 0.0512	0.7	0.14	0.0724	82.2	-2.09
Trichloromethane	µg/l	2.57	± 0.143	2.2	0.44	0.208	85.7	-1.76



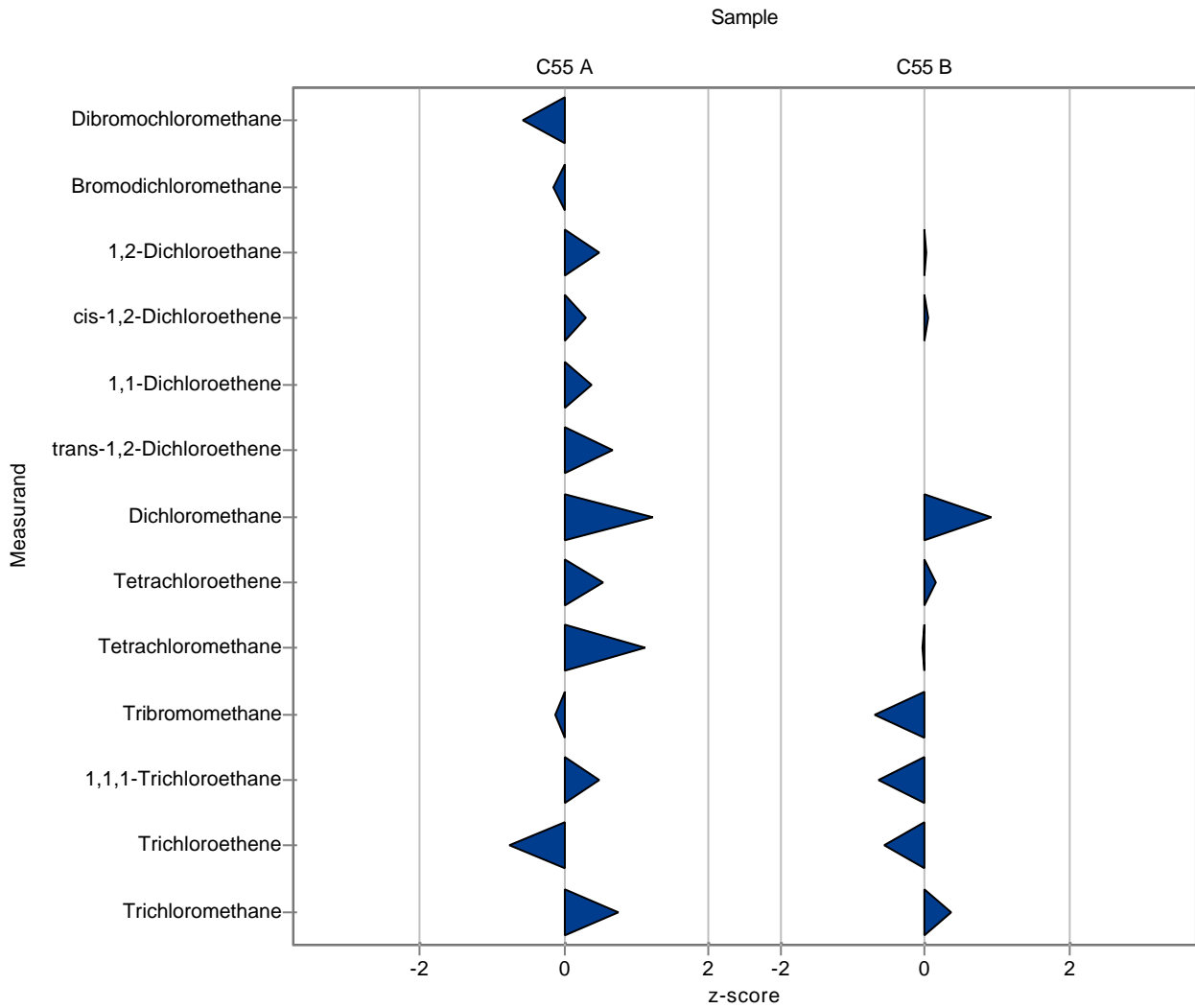
The following results were achieved:

Sample: C55A

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
Dibromochloromethane	µg/l	1.65	± 0.107	1.56	0.47	0.16	94.5	-0.56
Bromodichloromethane	µg/l	2.47	± 0.136	2.44	0.73	0.203	98.7	-0.16
1,2-Dichloroethane	µg/l	5.26	± 0.362	5.51	1.65	0.512	104.8	0.49
cis-1,2-Dichloroethene	µg/l	4.38	± 0.327	4.52	1.36	0.436	103.1	0.31
1,1-Dichloroethene	µg/l	5.09	± 0.449	5.32	1.6	0.616	104.5	0.37
trans-1,2-Dichloroethene	µg/l	1.14	± 0.102	1.23	0.37	0.132	107.6	0.66
Dichloromethane	µg/l	10.2	± 0.696	11.36	3.41	0.956	111.7	1.24
Tetrachloroethene	µg/l	7.93	± 0.535	8.36	2.51	0.797	105.5	0.54
Tetrachloromethane	µg/l	3.17	± 0.194	3.49	1.05	0.282	110.0	1.13
Tribromomethane	µg/l	7.64	± 0.363	7.58	2.28	0.514	99.2	-0.12
1,1,1-Trichloroethane	µg/l	2.76	± 0.148	2.87	0.86	0.22	103.8	0.48
Trichloroethene	µg/l	12.4	± 0.51	11.87	3.56	0.722	95.6	-0.75
Trichloromethane	µg/l	0.871	± 0.0636	0.94	0.28	0.09	107.9	0.76

Sample: C55B

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
Dibromochloromethane	µg/l	-	± -	<0.04 (LOQ)	-	-	-	-
Bromodichloromethane	µg/l	-	± -	<0.04 (LOQ)	-	-	-	-
1,2-Dichloroethane	µg/l	2.38	± 0.271	2.39	0.72	0.423	100.3	0.02
cis-1,2-Dichloroethene	µg/l	1.53	± 0.181	1.54	0.46	0.256	100.8	0.05
1,1-Dichloroethene	µg/l	-	± -	<0.04 (LOQ)	-	-	-	-
trans-1,2-Dichloroethene	µg/l	-	± -	<0.04 (LOQ)	-	-	-	-
Dichloromethane	µg/l	5.3	± 0.324	5.71	1.71	0.446	107.8	0.92
Tetrachloroethene	µg/l	0.462	± 0.0366	0.47	0.14	0.0532	101.7	0.15
Tetrachloromethane	µg/l	0.692	± 0.0433	0.69	0.21	0.0629	99.7	-0.03
Tribromomethane	µg/l	2.11	± 0.202	1.89	0.57	0.309	89.6	-0.71
1,1,1-Trichloroethane	µg/l	1.45	± 0.0752	1.38	0.41	0.112	94.9	-0.66
Trichloroethene	µg/l	0.852	± 0.0512	0.81	0.24	0.0724	95.1	-0.58
Trichloromethane	µg/l	2.57	± 0.143	2.64	0.79	0.208	102.9	0.36



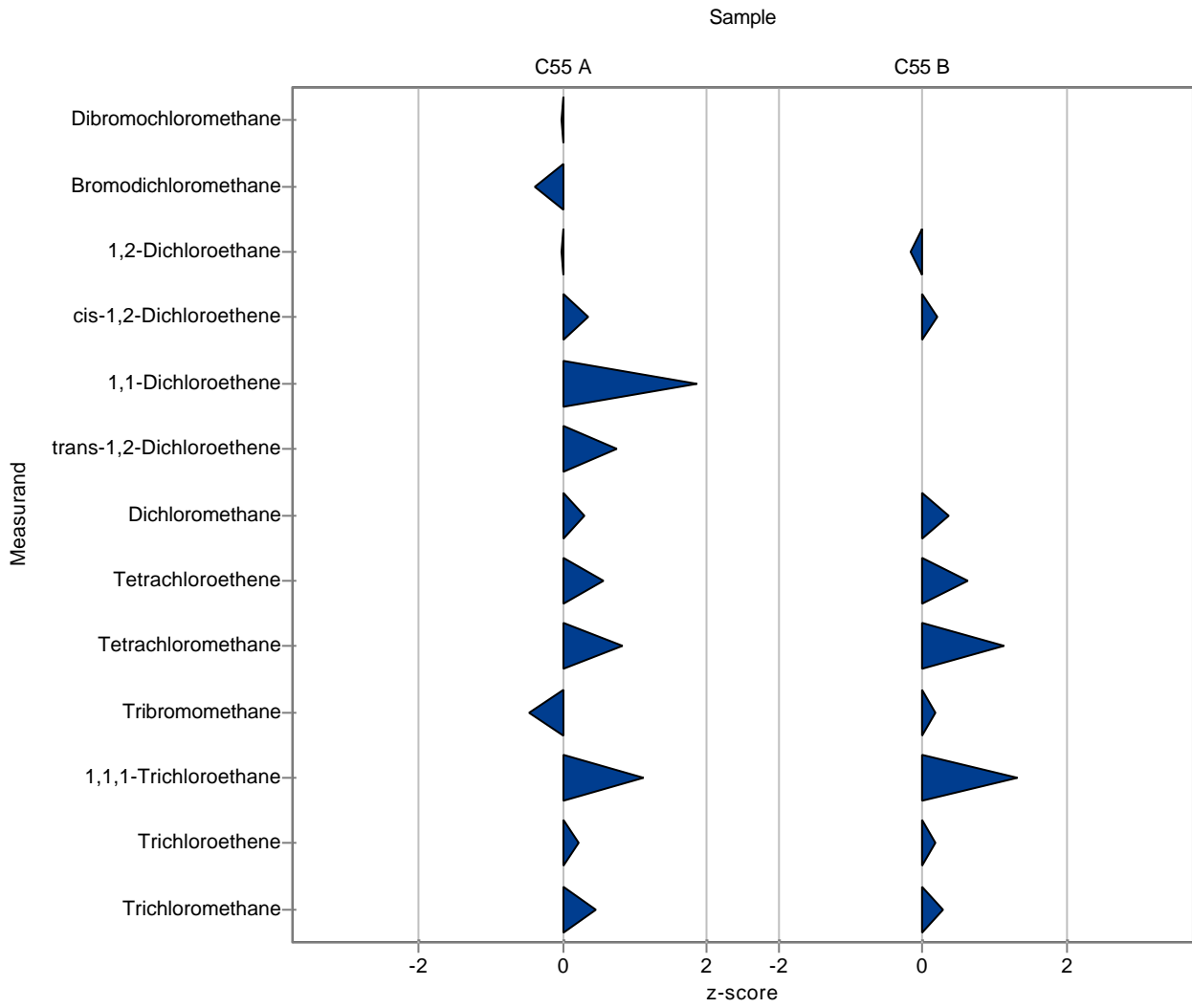
The following results were achieved:

Sample: C55A

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
Dibromochloromethane	µg/l	1.65	± 0.107	1.648	0.018	0.16	99.9	-0.01
Bromodichloromethane	µg/l	2.47	± 0.136	2.395	0.021	0.203	96.9	-0.38
1,2-Dichloroethane	µg/l	5.26	± 0.362	5.252	0.032	0.512	99.9	-0.01
cis-1,2-Dichloroethene	µg/l	4.38	± 0.327	4.537	0.044	0.436	103.5	0.35
1,1-Dichloroethene	µg/l	5.09	± 0.449	6.238	0.076	0.616	122.5	1.86
trans-1,2-Dichloroethene	µg/l	1.14	± 0.102	1.243	0.016	0.132	108.7	0.76
Dichloromethane	µg/l	10.2	± 0.696	10.46	0.077	0.956	102.8	0.30
Tetrachloroethene	µg/l	7.93	± 0.535	8.37	0.129	0.797	105.6	0.56
Tetrachloromethane	µg/l	3.17	± 0.194	3.41	0.04	0.282	107.5	0.84
Tribromomethane	µg/l	7.64	± 0.363	7.402	0.092	0.514	96.8	-0.47
1,1,1-Trichloroethane	µg/l	2.76	± 0.148	3.01	0.04	0.22	108.9	1.12
Trichloroethene	µg/l	12.4	± 0.51	12.565	0.176	0.722	101.2	0.21
Trichloromethane	µg/l	0.871	± 0.0636	0.912	0.011	0.09	104.7	0.45

Sample: C55B

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
Dibromochloromethane	µg/l	-	± -	<0.1 (LOQ)	-	-	-	-
Bromodichloromethane	µg/l	-	± -	<0.1 (LOQ)	-	-	-	-
1,2-Dichloroethane	µg/l	2.38	± 0.271	2.305	0.011	0.423	96.8	-0.18
cis-1,2-Dichloroethene	µg/l	1.53	± 0.181	1.582	0.009	0.256	103.5	0.21
1,1-Dichloroethene	µg/l	-	± -	<0.1 (LOQ)	-	-	-	-
trans-1,2-Dichloroethene	µg/l	-	± -	<0.3 (LOQ)	-	-	-	-
Dichloromethane	µg/l	5.3	± 0.324	5.457	0.03	0.446	103.0	0.36
Tetrachloroethene	µg/l	0.462	± 0.0366	0.495	0.004	0.0532	107.1	0.62
Tetrachloromethane	µg/l	0.692	± 0.0433	0.762	0.005	0.0629	110.1	1.12
Tribromomethane	µg/l	2.11	± 0.202	2.165	0.012	0.309	102.6	0.18
1,1,1-Trichloroethane	µg/l	1.45	± 0.0752	1.6	0.014	0.112	110.0	1.30
Trichloroethene	µg/l	0.852	± 0.0512	0.865	0.008	0.0724	101.6	0.18
Trichloromethane	µg/l	2.57	± 0.143	2.622	0.016	0.208	102.2	0.27



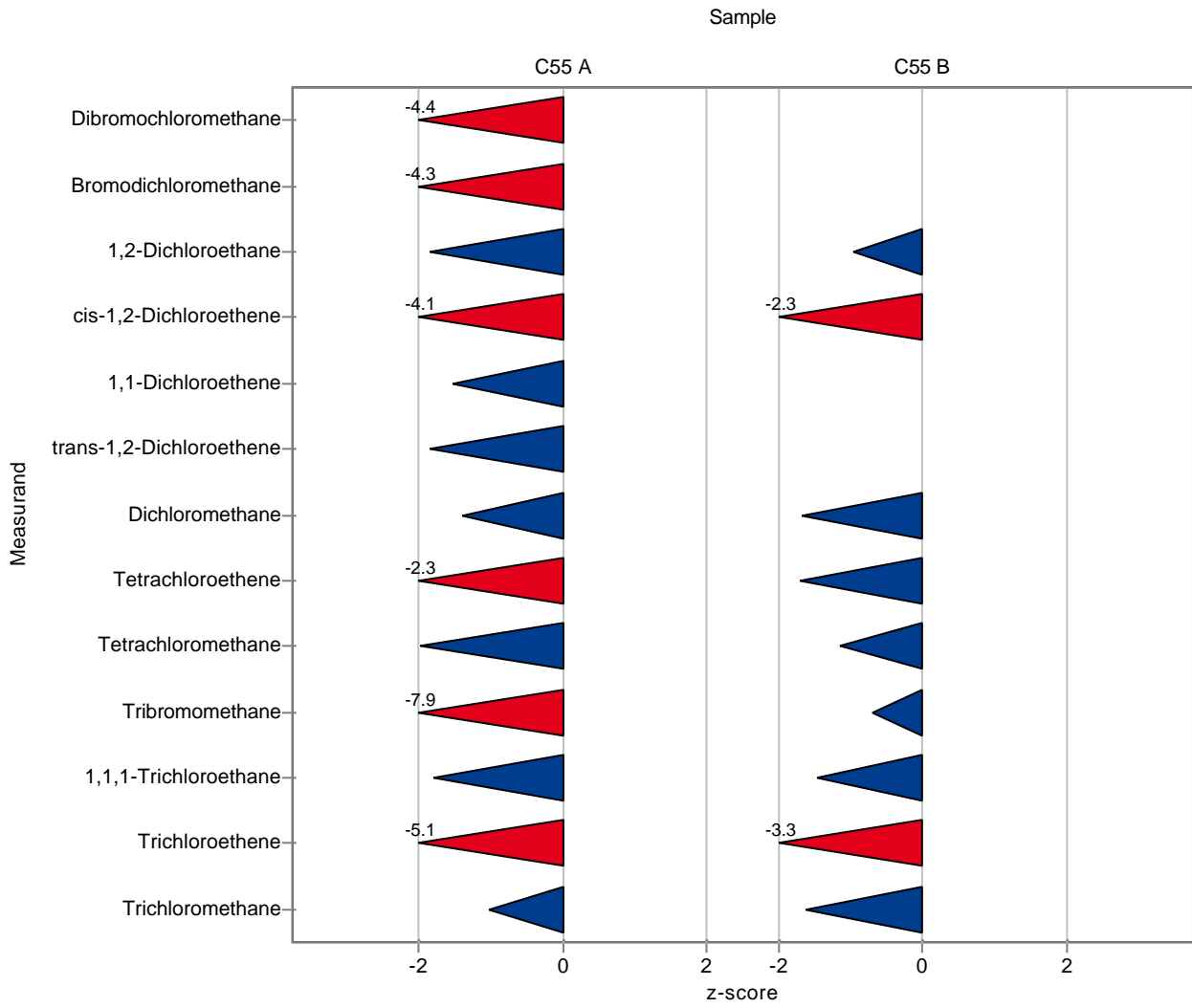
The following results were achieved:

Sample: C55A

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
Dibromochloromethane	µg/l	1.65	± 0.107	0.941	30	0.16	57.0	-4.43
Bromodichloromethane	µg/l	2.47	± 0.136	1.595	30	0.203	64.5	-4.31
1,2-Dichloroethane	µg/l	5.26	± 0.362	4.32	30	0.512	82.2	-1.83
cis-1,2-Dichloroethene	µg/l	4.38	± 0.327	2.597	30	0.436	59.2	-4.10
1,1-Dichloroethene	µg/l	5.09	± 0.449	4.15	50	0.616	81.5	-1.53
trans-1,2-Dichloroethene	µg/l	1.14	± 0.102	0.902	30	0.132	78.9	-1.83
Dichloromethane	µg/l	10.2	± 0.696	8.855	30	0.956	87.0	-1.38
Tetrachloroethene	µg/l	7.93	± 0.535	6.125	30	0.797	77.3	-2.26
Tetrachloromethane	µg/l	3.17	± 0.194	2.616	30	0.282	82.5	-1.97
Tribromomethane	µg/l	7.64	± 0.363	3.57	30	0.514	46.7	-7.93
1,1,1-Trichloroethane	µg/l	2.76	± 0.148	2.372	30	0.22	85.8	-1.78
Trichloroethene	µg/l	12.4	± 0.51	8.757	30	0.722	70.6	-5.07
Trichloromethane	µg/l	0.871	± 0.0636	0.78	30	0.09	89.5	-1.01

Sample: C55B

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
Dibromochloromethane	µg/l	-	± -	<0.1 (LOQ)	-	-	-	-
Bromodichloromethane	µg/l	-	± -	<0.1 (LOQ)	-	-	-	-
1,2-Dichloroethane	µg/l	2.38	± 0.271	1.973	30	0.423	82.8	-0.97
cis-1,2-Dichloroethene	µg/l	1.53	± 0.181	0.929	30	0.256	60.8	-2.34
1,1-Dichloroethene	µg/l	-	± -	<0.1 (LOQ)	-	-	-	-
trans-1,2-Dichloroethene	µg/l	-	± -	<0.1 (LOQ)	-	-	-	-
Dichloromethane	µg/l	5.3	± 0.324	4.546	30	0.446	85.8	-1.69
Tetrachloroethene	µg/l	0.462	± 0.0366	0.372	30	0.0532	80.5	-1.69
Tetrachloromethane	µg/l	0.692	± 0.0433	0.62	30	0.0629	89.6	-1.14
Tribromomethane	µg/l	2.11	± 0.202	1.895	30	0.309	89.8	-0.70
1,1,1-Trichloroethane	µg/l	1.45	± 0.0752	1.29	30	0.112	88.7	-1.46
Trichloroethene	µg/l	0.852	± 0.0512	0.616	30	0.0724	72.3	-3.26
Trichloromethane	µg/l	2.57	± 0.143	2.229	30	0.208	86.9	-1.62



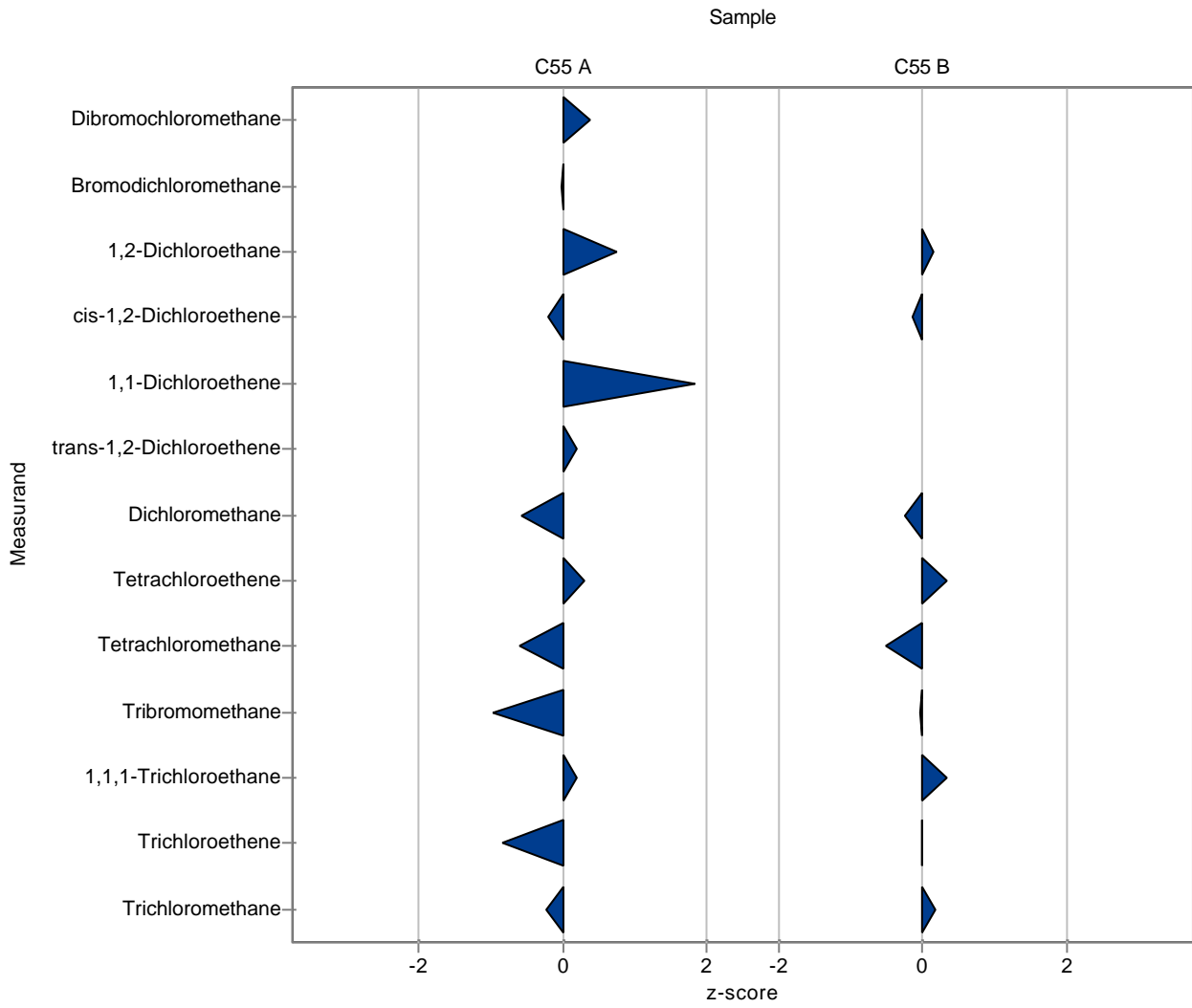
The following results were achieved:

Sample: C55A

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
Dibromochloromethane	µg/l	1.65	± 0.107	1.71	0.31	0.16	103.6	0.37
Bromodichloromethane	µg/l	2.47	± 0.136	2.47	0.45	0.203	99.9	-0.01
1,2-Dichloroethane	µg/l	5.26	± 0.362	5.64	1.1	0.512	107.3	0.75
cis-1,2-Dichloroethene	µg/l	4.38	± 0.327	4.3	0.78	0.436	98.1	-0.19
1,1-Dichloroethene	µg/l	5.09	± 0.449	6.23	1.2	0.616	122.4	1.85
trans-1,2-Dichloroethene	µg/l	1.14	± 0.102	1.17	0.22	0.132	102.4	0.20
Dichloromethane	µg/l	10.2	± 0.696	9.64	1.8	0.956	94.7	-0.56
Tetrachloroethene	µg/l	7.93	± 0.535	8.17	1.5	0.797	103.1	0.30
Tetrachloromethane	µg/l	3.17	± 0.194	3	0.55	0.282	94.6	-0.61
Tribromomethane	µg/l	7.64	± 0.363	7.14	1.3	0.514	93.4	-0.98
1,1,1-Trichloroethane	µg/l	2.76	± 0.148	2.81	0.51	0.22	101.7	0.21
Trichloroethene	µg/l	12.4	± 0.51	11.8	2.2	0.722	95.1	-0.85
Trichloromethane	µg/l	0.871	± 0.0636	0.85	0.16	0.09	97.6	-0.24

Sample: C55B

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
Dibromochloromethane	µg/l	-	± -	<0.05 (LOQ)	-	-	-	-
Bromodichloromethane	µg/l	-	± -	<0.05 (LOQ)	-	-	-	-
1,2-Dichloroethane	µg/l	2.38	± 0.271	2.44	0.44	0.423	102.4	0.14
cis-1,2-Dichloroethene	µg/l	1.53	± 0.181	1.49	0.27	0.256	97.5	-0.15
1,1-Dichloroethene	µg/l	-	± -	<0.05 (LOQ)	-	-	-	-
trans-1,2-Dichloroethene	µg/l	-	± -	<0.05 (LOQ)	-	-	-	-
Dichloromethane	µg/l	5.3	± 0.324	5.19	0.94	0.446	98.0	-0.24
Tetrachloroethene	µg/l	0.462	± 0.0366	0.48	0.09	0.0532	103.9	0.34
Tetrachloromethane	µg/l	0.692	± 0.0433	0.66	0.12	0.0629	95.4	-0.51
Tribromomethane	µg/l	2.11	± 0.202	2.1	0.38	0.309	99.5	-0.03
1,1,1-Trichloroethane	µg/l	1.45	± 0.0752	1.49	0.27	0.112	102.5	0.32
Trichloroethene	µg/l	0.852	± 0.0512	0.85	0.16	0.0724	99.8	-0.02
Trichloromethane	µg/l	2.57	± 0.143	2.6	0.47	0.208	101.3	0.16



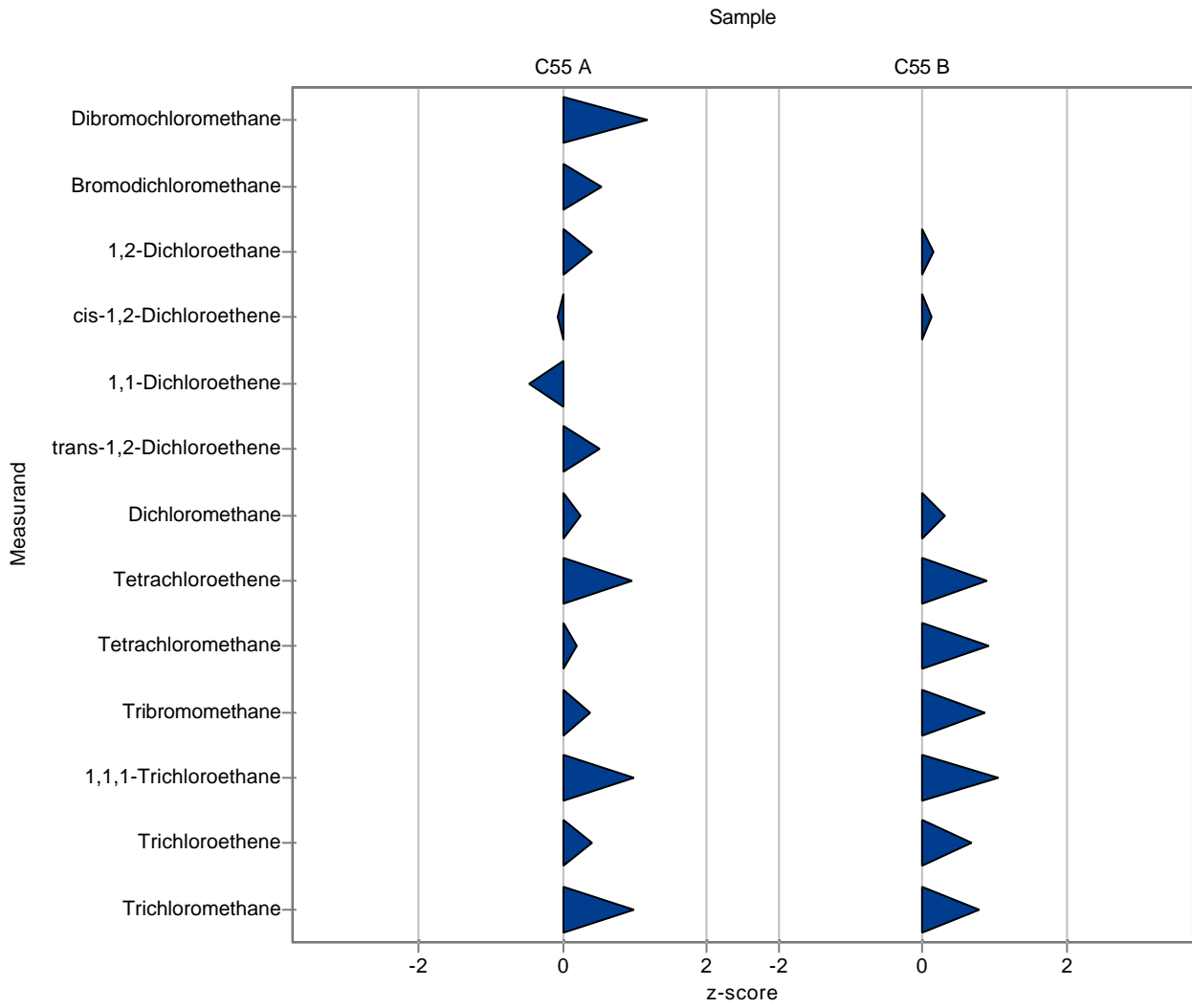
The following results were achieved:

Sample: C55A

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
Dibromochloromethane	µg/l	1.65	± 0.107	1.84	0.28	0.16	111.5	1.18
Bromodichloromethane	µg/l	2.47	± 0.136	2.58	0.39	0.203	104.4	0.53
1,2-Dichloroethane	µg/l	5.26	± 0.362	5.47	0.82	0.512	104.0	0.41
cis-1,2-Dichloroethene	µg/l	4.38	± 0.327	4.35	0.65	0.436	99.2	-0.08
1,1-Dichloroethene	µg/l	5.09	± 0.449	4.81	0.72	0.616	94.5	-0.46
trans-1,2-Dichloroethene	µg/l	1.14	± 0.102	1.21	0.18	0.132	105.9	0.51
Dichloromethane	µg/l	10.2	± 0.696	10.4	1.6	0.956	102.2	0.24
Tetrachloroethene	µg/l	7.93	± 0.535	8.69	1.3	0.797	109.6	0.96
Tetrachloromethane	µg/l	3.17	± 0.194	3.23	0.48	0.282	101.8	0.20
Tribromomethane	µg/l	7.64	± 0.363	7.84	1.2	0.514	102.6	0.38
1,1,1-Trichloroethane	µg/l	2.76	± 0.148	2.98	0.45	0.22	107.8	0.98
Trichloroethene	µg/l	12.4	± 0.51	12.7	1.9	0.722	102.3	0.40
Trichloromethane	µg/l	0.871	± 0.0636	0.96	0.14	0.09	110.2	0.99

Sample: C55B

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
Dibromochloromethane	µg/l	-	± -	<0.05 (LOD)	-	-	-	-
Bromodichloromethane	µg/l	-	± -	<0.03 (LOD)	-	-	-	-
1,2-Dichloroethane	µg/l	2.38	± 0.271	2.44	0.37	0.423	102.4	0.14
cis-1,2-Dichloroethene	µg/l	1.53	± 0.181	1.56	0.23	0.256	102.1	0.12
1,1-Dichloroethene	µg/l	-	± -	<0.1 (LOD)	-	-	-	-
trans-1,2-Dichloroethene	µg/l	-	± -	<0.02 (LOD)	-	-	-	-
Dichloromethane	µg/l	5.3	± 0.324	5.44	0.82	0.446	102.7	0.32
Tetrachloroethene	µg/l	0.462	± 0.0366	0.51	0.1	0.0532	110.4	0.90
Tetrachloromethane	µg/l	0.692	± 0.0433	0.75	0.11	0.0629	108.4	0.92
Tribromomethane	µg/l	2.11	± 0.202	2.38	0.36	0.309	112.8	0.88
1,1,1-Trichloroethane	µg/l	1.45	± 0.0752	1.57	0.24	0.112	108.0	1.04
Trichloroethene	µg/l	0.852	± 0.0512	0.9	0.14	0.0724	105.7	0.67
Trichloromethane	µg/l	2.57	± 0.143	2.73	0.41	0.208	106.4	0.79



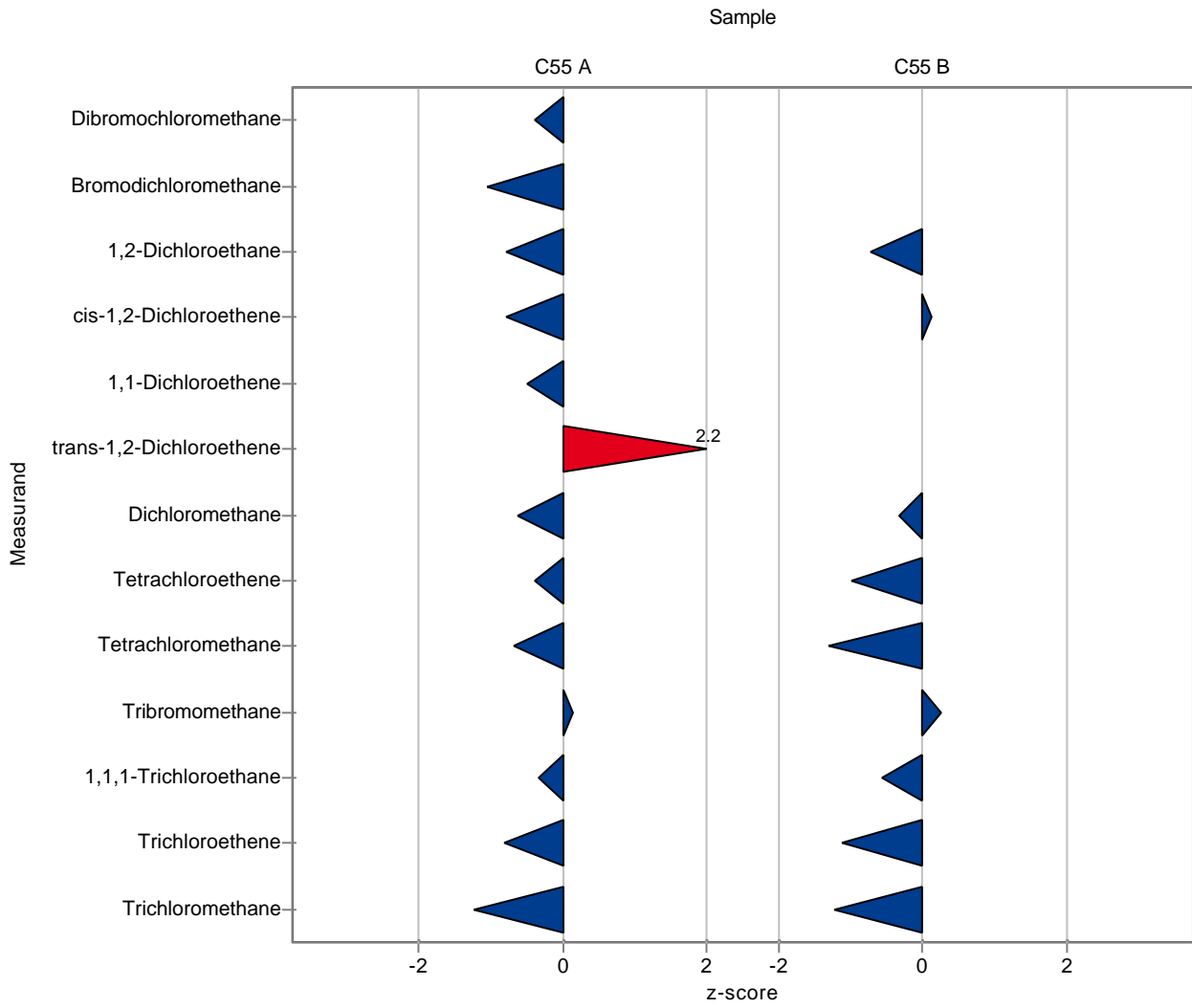
The following results were achieved:

Sample: C55A

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
Dibromochloromethane	µg/l	1.65	± 0.107	1.59	0.24	0.16	96.3	-0.38
Bromodichloromethane	µg/l	2.47	± 0.136	2.26	0.34	0.203	91.4	-1.04
1,2-Dichloroethane	µg/l	5.26	± 0.362	4.86	0.73	0.512	92.4	-0.78
cis-1,2-Dichloroethene	µg/l	4.38	± 0.327	4.04	0.61	0.436	92.2	-0.79
1,1-Dichloroethene	µg/l	5.09	± 0.449	4.78	0.72	0.616	93.9	-0.50
trans-1,2-Dichloroethene	µg/l	1.14	± 0.102	1.43	0.21	0.132	125.1	2.18
Dichloromethane	µg/l	10.2	± 0.696	9.58	1.44	0.956	94.2	-0.62
Tetrachloroethene	µg/l	7.93	± 0.535	7.62	1.14	0.797	96.1	-0.39
Tetrachloromethane	µg/l	3.17	± 0.194	2.98	0.45	0.282	93.9	-0.68
Tribromomethane	µg/l	7.64	± 0.363	7.72	1.16	0.514	101.0	0.15
1,1,1-Trichloroethane	µg/l	2.76	± 0.148	2.69	0.4	0.22	97.3	-0.34
Trichloroethene	µg/l	12.4	± 0.51	11.83	1.77	0.722	95.3	-0.81
Trichloromethane	µg/l	0.871	± 0.0636	0.76	0.11	0.09	87.2	-1.24

Sample: C55B

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
Dibromochloromethane	µg/l	-	± -	<0.1 (LOQ)	-	-	-	-
Bromodichloromethane	µg/l	-	± -	<0.1 (LOQ)	-	-	-	-
1,2-Dichloroethane	µg/l	2.38	± 0.271	2.07	0.31	0.423	86.9	-0.74
cis-1,2-Dichloroethene	µg/l	1.53	± 0.181	1.56	0.23	0.256	102.1	0.12
1,1-Dichloroethene	µg/l	-	± -	<0.2 (LOQ)	-	-	-	-
trans-1,2-Dichloroethene	µg/l	-	± -	<0.5 (LOQ)	-	-	-	-
Dichloromethane	µg/l	5.3	± 0.324	5.15	0.77	0.446	97.2	-0.33
Tetrachloroethene	µg/l	0.462	± 0.0366	0.41	0.06	0.0532	88.7	-0.98
Tetrachloromethane	µg/l	0.692	± 0.0433	0.61	0.09	0.0629	88.2	-1.30
Tribromomethane	µg/l	2.11	± 0.202	2.19	0.33	0.309	103.8	0.26
1,1,1-Trichloroethane	µg/l	1.45	± 0.0752	1.39	0.21	0.112	95.6	-0.57
Trichloroethene	µg/l	0.852	± 0.0512	0.77	0.12	0.0724	90.4	-1.13
Trichloromethane	µg/l	2.57	± 0.143	2.31	0.35	0.208	90.0	-1.23



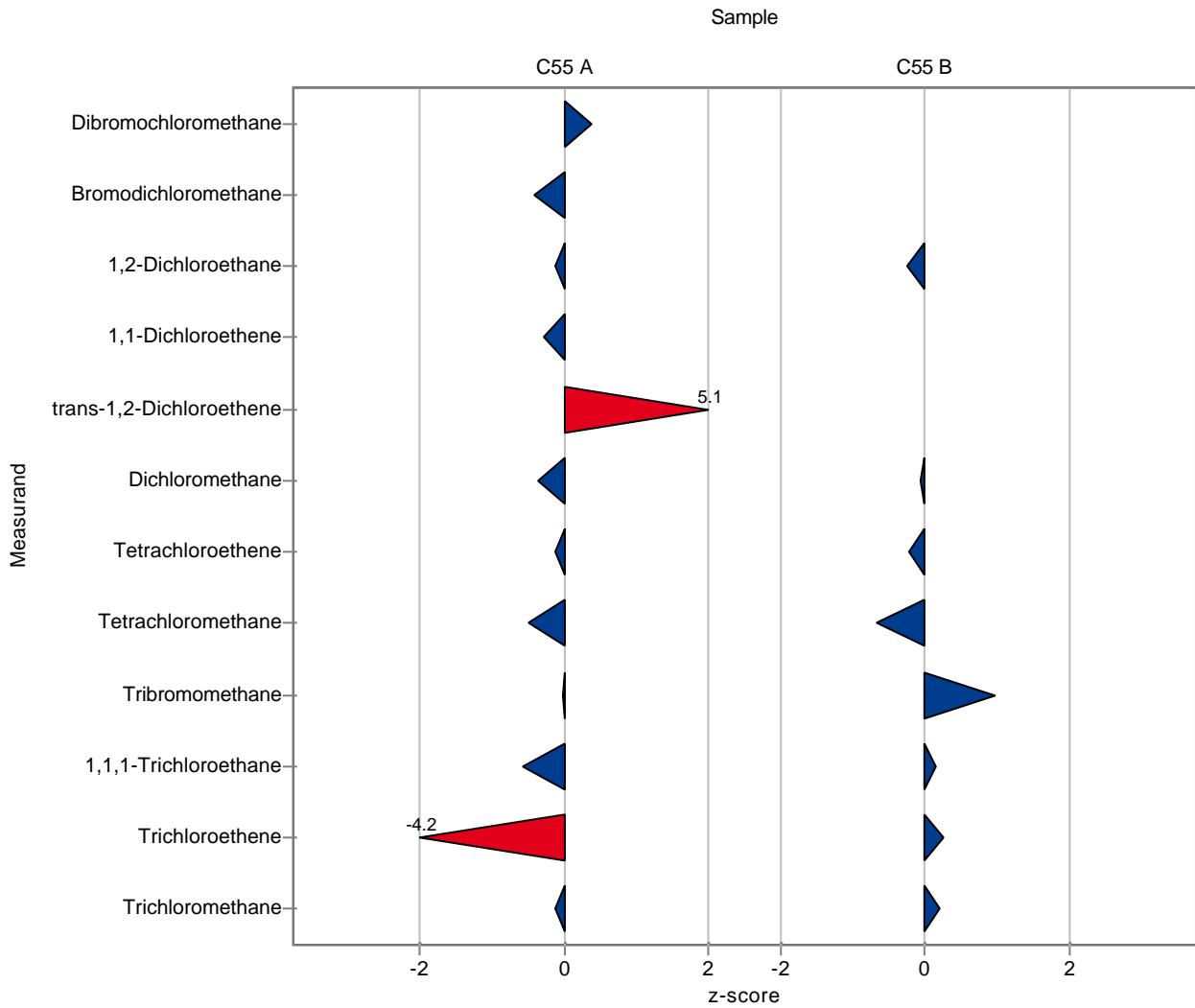
The following results were achieved:

Sample: C55A

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
Dibromochloromethane	µg/l	1.65	± 0.107	1.71	0.13	0.16	103.6	0.37
Bromodichloromethane	µg/l	2.47	± 0.136	2.39	0.72	0.203	96.7	-0.40
1,2-Dichloroethane	µg/l	5.26	± 0.362	5.2	0.84	0.512	98.9	-0.11
cis-1,2-Dichloroethene	µg/l	4.38	± 0.327	-	-	0.436	-	-
1,1-Dichloroethene	µg/l	5.09	± 0.449	4.91	0.37	0.616	96.5	-0.29
trans-1,2-Dichloroethene	µg/l	1.14	± 0.102	1.82	0.74	0.132	159.2	5.14
Dichloromethane	µg/l	10.2	± 0.696	9.82	1.52	0.956	96.5	-0.37
Tetrachloroethene	µg/l	7.93	± 0.535	7.83	0.74	0.797	98.8	-0.12
Tetrachloromethane	µg/l	3.17	± 0.194	3.03	0.33	0.282	95.5	-0.50
Tribromomethane	µg/l	7.64	± 0.363	7.64	0.4	0.514	99.9	-0.01
1,1,1-Trichloroethane	µg/l	2.76	± 0.148	2.64	0.16	0.22	95.5	-0.56
Trichloroethene	µg/l	12.4	± 0.51	9.37	0.7	0.722	75.5	-4.22
Trichloromethane	µg/l	0.871	± 0.0636	0.86	0.11	0.09	98.7	-0.13

Sample: C55B

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
Dibromochloromethane	µg/l	-	± -	<0.2 (LOQ)	-	-	-	-
Bromodichloromethane	µg/l	-	± -	<0.2 (LOQ)	-	-	-	-
1,2-Dichloroethane	µg/l	2.38	± 0.271	2.28	0.38	0.423	95.7	-0.24
cis-1,2-Dichloroethene	µg/l	1.53	± 0.181	-	-	0.256	-	-
1,1-Dichloroethene	µg/l	-	± -	<0.3 (LOQ)	-	-	-	-
trans-1,2-Dichloroethene	µg/l	-	± -	<1 (LOQ)	-	-	-	-
Dichloromethane	µg/l	5.3	± 0.324	5.27	0.72	0.446	99.5	-0.06
Tetrachloroethene	µg/l	0.462	± 0.0366	0.45	0.24	0.0532	97.4	-0.23
Tetrachloromethane	µg/l	0.692	± 0.0433	0.65	0.1	0.0629	94.0	-0.67
Tribromomethane	µg/l	2.11	± 0.202	2.41	0.1	0.309	114.2	0.97
1,1,1-Trichloroethane	µg/l	1.45	± 0.0752	1.47	0.1	0.112	101.1	0.14
Trichloroethene	µg/l	0.852	± 0.0512	0.87	0.4	0.0724	102.2	0.25
Trichloromethane	µg/l	2.57	± 0.143	2.61	0.23	0.208	101.7	0.21



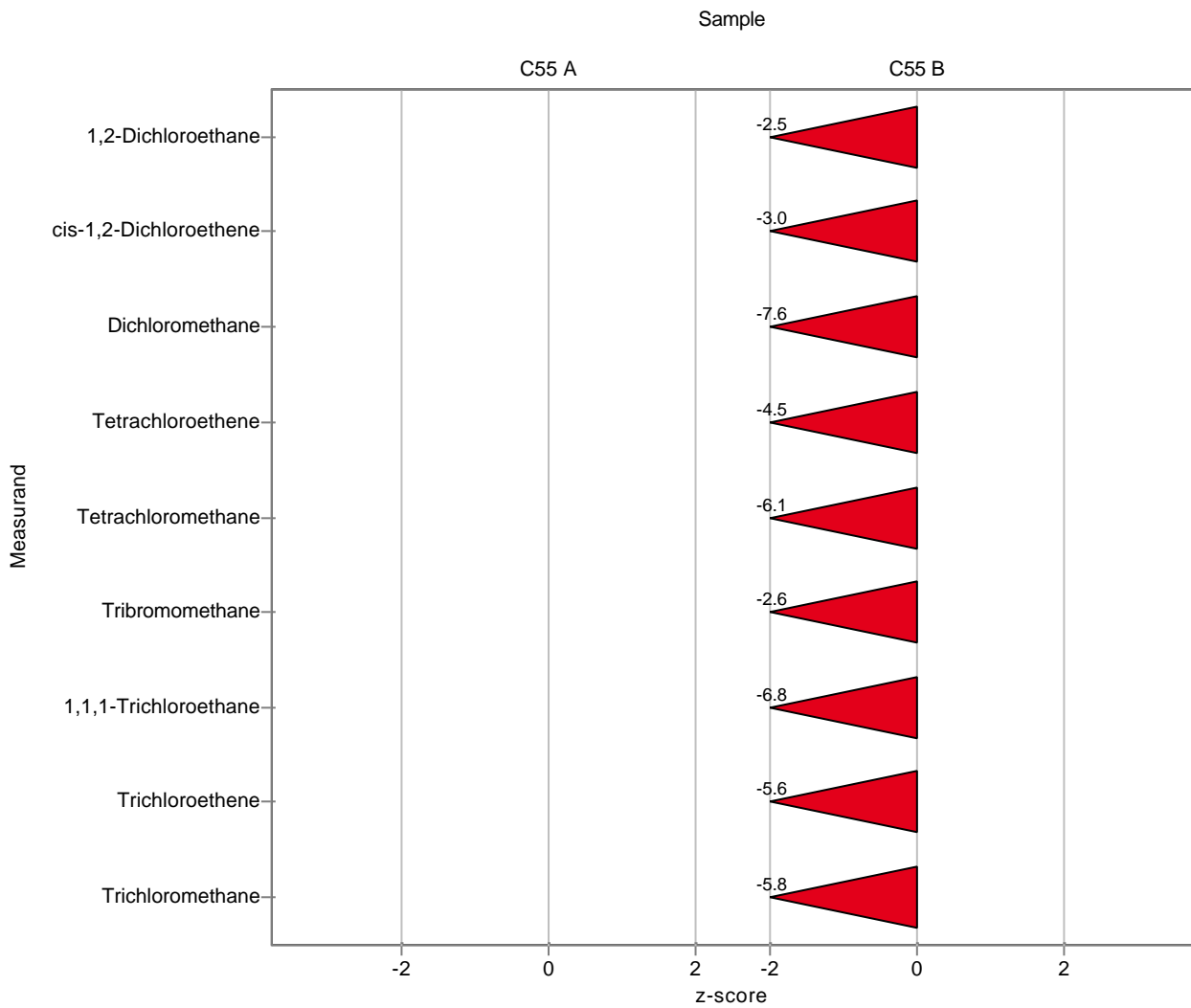
The following results were achieved:

Sample: C55A

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
Dibromochloromethane	µg/l	1.65	± 0.107	-	-	0.16	-	-
Bromodichloromethane	µg/l	2.47	± 0.136	-	-	0.203	-	-
1,2-Dichloroethane	µg/l	5.26	± 0.362	-	-	0.512	-	-
cis-1,2-Dichloroethene	µg/l	4.38	± 0.327	-	-	0.436	-	-
1,1-Dichloroethene	µg/l	5.09	± 0.449	-	-	0.616	-	-
trans-1,2-Dichloroethene	µg/l	1.14	± 0.102	-	-	0.132	-	-
Dichloromethane	µg/l	10.2	± 0.696	-	-	0.956	-	-
Tetrachloroethene	µg/l	7.93	± 0.535	-	-	0.797	-	-
Tetrachloromethane	µg/l	3.17	± 0.194	-	-	0.282	-	-
Tribromomethane	µg/l	7.64	± 0.363	-	-	0.514	-	-
1,1,1-Trichloroethane	µg/l	2.76	± 0.148	-	-	0.22	-	-
Trichloroethene	µg/l	12.4	± 0.51	-	-	0.722	-	-
Trichloromethane	µg/l	0.871	± 0.0636	-	-	0.09	-	-

Sample: C55B

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
Dibromochloromethane	µg/l	-	± -	<0.1 (LOQ)	-	-	-	-
Bromodichloromethane	µg/l	-	± -	<0.1 (LOQ)	-	-	-	-
1,2-Dichloroethane	µg/l	2.38	± 0.271	1.32	0.2	0.423	55.4	-2.51
cis-1,2-Dichloroethene	µg/l	1.53	± 0.181	0.771	0.12	0.256	50.4	-2.96
1,1-Dichloroethene	µg/l	-	± -	<0.1 (LOQ)	-	-	-	-
trans-1,2-Dichloroethene	µg/l	-	± -	<0.1 (LOQ)	-	-	-	-
Dichloromethane	µg/l	5.3	± 0.324	1.92	0.29	0.446	36.2	-7.58
Tetrachloroethene	µg/l	0.462	± 0.0366	0.224	0.034	0.0532	48.5	-4.48
Tetrachloromethane	µg/l	0.692	± 0.0433	0.31	0.047	0.0629	44.8	-6.07
Tribromomethane	µg/l	2.11	± 0.202	1.31	0.197	0.309	62.1	-2.59
1,1,1-Trichloroethane	µg/l	1.45	± 0.0752	0.692	0.104	0.112	47.6	-6.80
Trichloroethene	µg/l	0.852	± 0.0512	0.447	0.067	0.0724	52.5	-5.59
Trichloromethane	µg/l	2.57	± 0.143	1.37	0.21	0.208	53.4	-5.76



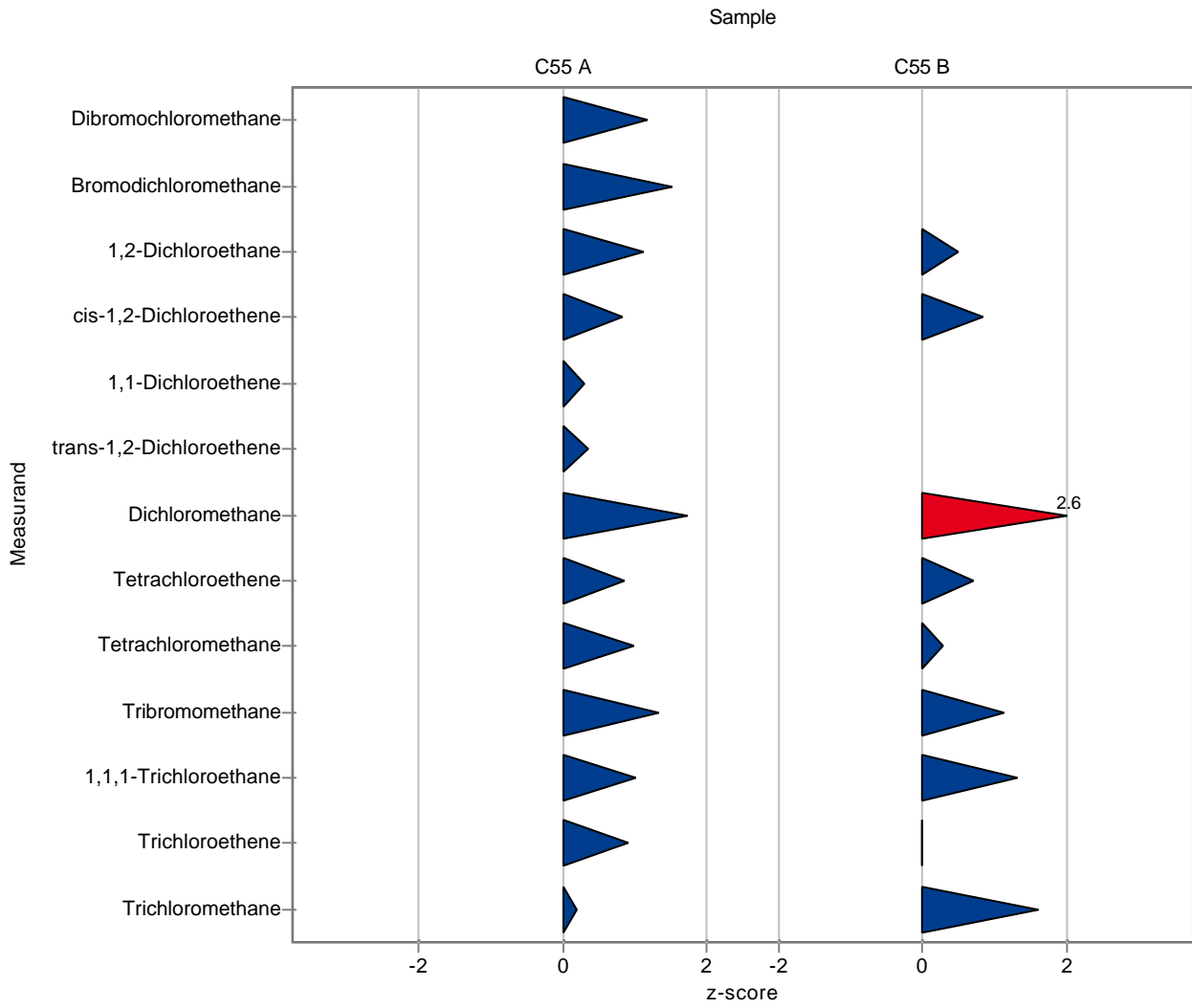
The following results were achieved:

Sample: C55A

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
Dibromochloromethane	µg/l	1.65	± 0.107	1.84	0.28	0.16	111.5	1.18
Bromodichloromethane	µg/l	2.47	± 0.136	2.78	0.42	0.203	112.5	1.52
1,2-Dichloroethane	µg/l	5.26	± 0.362	5.83	0.87	0.512	110.9	1.12
cis-1,2-Dichloroethene	µg/l	4.38	± 0.327	4.75	0.71	0.436	108.4	0.84
1,1-Dichloroethene	µg/l	5.09	± 0.449	5.28	0.79	0.616	103.7	0.31
trans-1,2-Dichloroethene	µg/l	1.14	± 0.102	1.19	0.18	0.132	104.1	0.36
Dichloromethane	µg/l	10.2	± 0.696	11.82	1.77	0.956	116.2	1.72
Tetrachloroethene	µg/l	7.93	± 0.535	8.61	1.29	0.797	108.6	0.86
Tetrachloromethane	µg/l	3.17	± 0.194	3.45	0.52	0.282	108.8	0.98
Tribromomethane	µg/l	7.64	± 0.363	8.33	1.25	0.514	109.0	1.34
1,1,1-Trichloroethane	µg/l	2.76	± 0.148	2.99	0.45	0.22	108.2	1.02
Trichloroethene	µg/l	12.4	± 0.51	13.07	1.96	0.722	105.3	0.91
Trichloromethane	µg/l	0.871	± 0.0636	0.89	0.13	0.09	102.1	0.21

Sample: C55B

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
Dibromochloromethane	µg/l	-	± -	<0.05 (LOQ)	-	-	-	-
Bromodichloromethane	µg/l	-	± -	<0.05 (LOQ)	-	-	-	-
1,2-Dichloroethane	µg/l	2.38	± 0.271	2.59	0.39	0.423	108.7	0.49
cis-1,2-Dichloroethene	µg/l	1.53	± 0.181	1.74	0.26	0.256	113.8	0.83
1,1-Dichloroethene	µg/l	-	± -	<0.05 (LOQ)	-	-	-	-
trans-1,2-Dichloroethene	µg/l	-	± -	<0.05 (LOQ)	-	-	-	-
Dichloromethane	µg/l	5.3	± 0.324	6.44	0.97	0.446	121.5	2.56
Tetrachloroethene	µg/l	0.462	± 0.0366	0.5	0.08	0.0532	108.2	0.71
Tetrachloromethane	µg/l	0.692	± 0.0433	0.71	0.11	0.0629	102.6	0.29
Tribromomethane	µg/l	2.11	± 0.202	2.46	0.37	0.309	116.6	1.13
1,1,1-Trichloroethane	µg/l	1.45	± 0.0752	1.6	0.24	0.112	110.0	1.30
Trichloroethene	µg/l	0.852	± 0.0512	0.85	0.13	0.0724	99.8	-0.02
Trichloromethane	µg/l	2.57	± 0.143	2.9	0.44	0.208	113.0	1.61



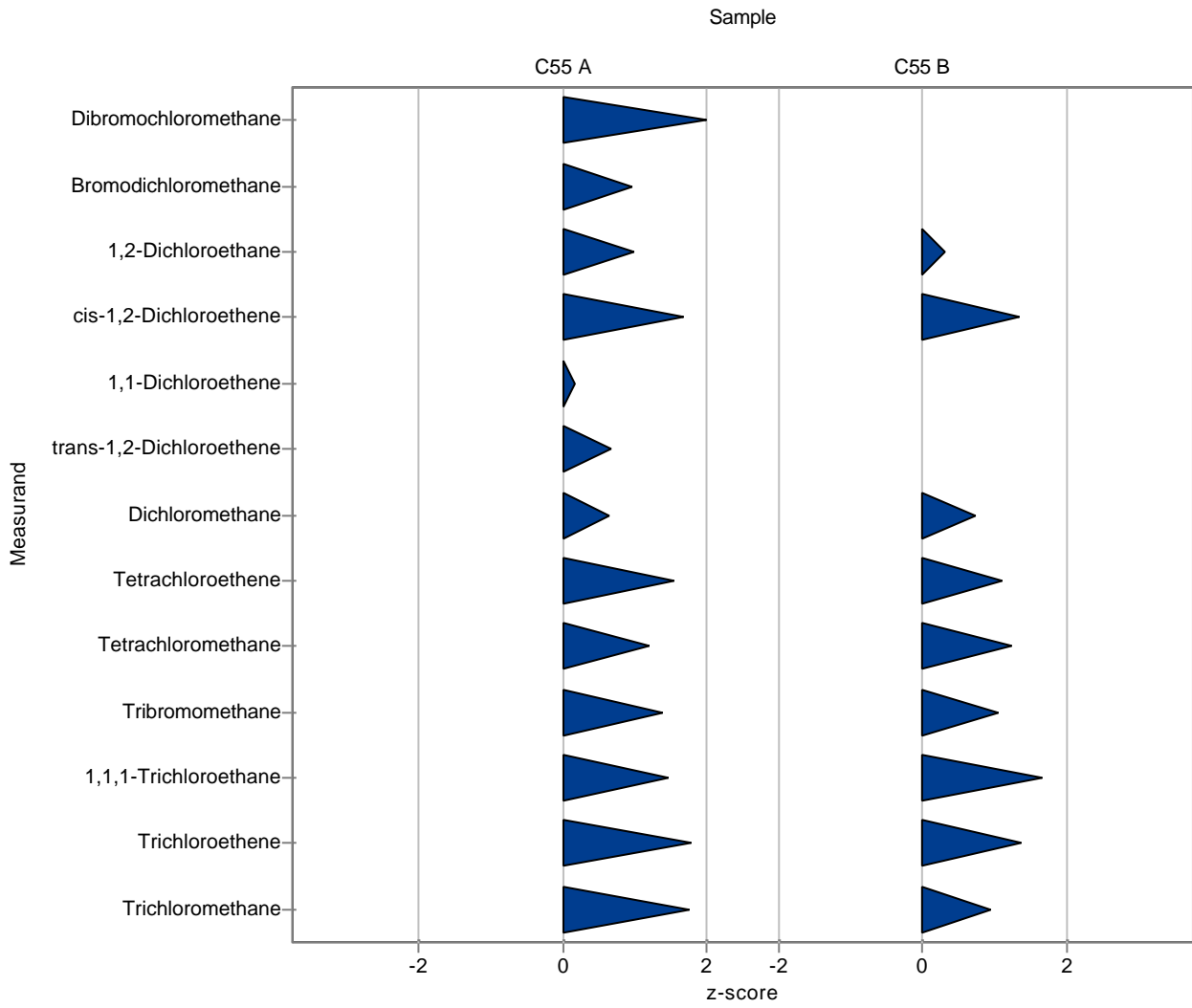
The following results were achieved:

Sample: C55A

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
Dibromochloromethane	µg/l	1.65	± 0.107	1.97	0.39	0.16	119.4	1.99
Bromodichloromethane	µg/l	2.47	± 0.136	2.67	0.53	0.203	108.0	0.98
1,2-Dichloroethane	µg/l	5.26	± 0.362	5.76	1.15	0.512	109.5	0.98
cis-1,2-Dichloroethene	µg/l	4.38	± 0.327	5.12	1.02	0.436	116.8	1.69
1,1-Dichloroethene	µg/l	5.09	± 0.449	5.2	1.04	0.616	102.1	0.18
trans-1,2-Dichloroethene	µg/l	1.14	± 0.102	1.23	0.25	0.132	107.6	0.66
Dichloromethane	µg/l	10.2	± 0.696	10.8	2.1	0.956	106.1	0.65
Tetrachloroethene	µg/l	7.93	± 0.535	9.16	1.83	0.797	115.6	1.55
Tetrachloromethane	µg/l	3.17	± 0.194	3.51	0.7	0.282	110.6	1.20
Tribromomethane	µg/l	7.64	± 0.363	8.35	1.67	0.514	109.2	1.37
1,1,1-Trichloroethane	µg/l	2.76	± 0.148	3.09	0.62	0.22	111.8	1.48
Trichloroethene	µg/l	12.4	± 0.51	13.7	2.7	0.722	110.4	1.78
Trichloromethane	µg/l	0.871	± 0.0636	1.03	0.21	0.09	118.2	1.76

Sample: C55B

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
Dibromochloromethane	µg/l	-	± -	<0.02 (LOQ)	-	-	-	-
Bromodichloromethane	µg/l	-	± -	<0.05 (LOQ)	-	-	-	-
1,2-Dichloroethane	µg/l	2.38	± 0.271	2.51	0.5	0.423	105.4	0.30
cis-1,2-Dichloroethene	µg/l	1.53	± 0.181	1.87	0.37	0.256	122.4	1.34
1,1-Dichloroethene	µg/l	-	± -	<0.03 (LOQ)	-	-	-	-
trans-1,2-Dichloroethene	µg/l	-	± -	<0.02 (LOQ)	-	-	-	-
Dichloromethane	µg/l	5.3	± 0.324	5.62	1.12	0.446	106.1	0.72
Tetrachloroethene	µg/l	0.462	± 0.0366	0.52	0.1	0.0532	112.6	1.09
Tetrachloromethane	µg/l	0.692	± 0.0433	0.77	0.15	0.0629	111.3	1.24
Tribromomethane	µg/l	2.11	± 0.202	2.43	0.49	0.309	115.2	1.04
1,1,1-Trichloroethane	µg/l	1.45	± 0.0752	1.64	0.33	0.112	112.8	1.66
Trichloroethene	µg/l	0.852	± 0.0512	0.95	0.19	0.0724	111.5	1.36
Trichloromethane	µg/l	2.57	± 0.143	2.76	0.55	0.208	107.6	0.93



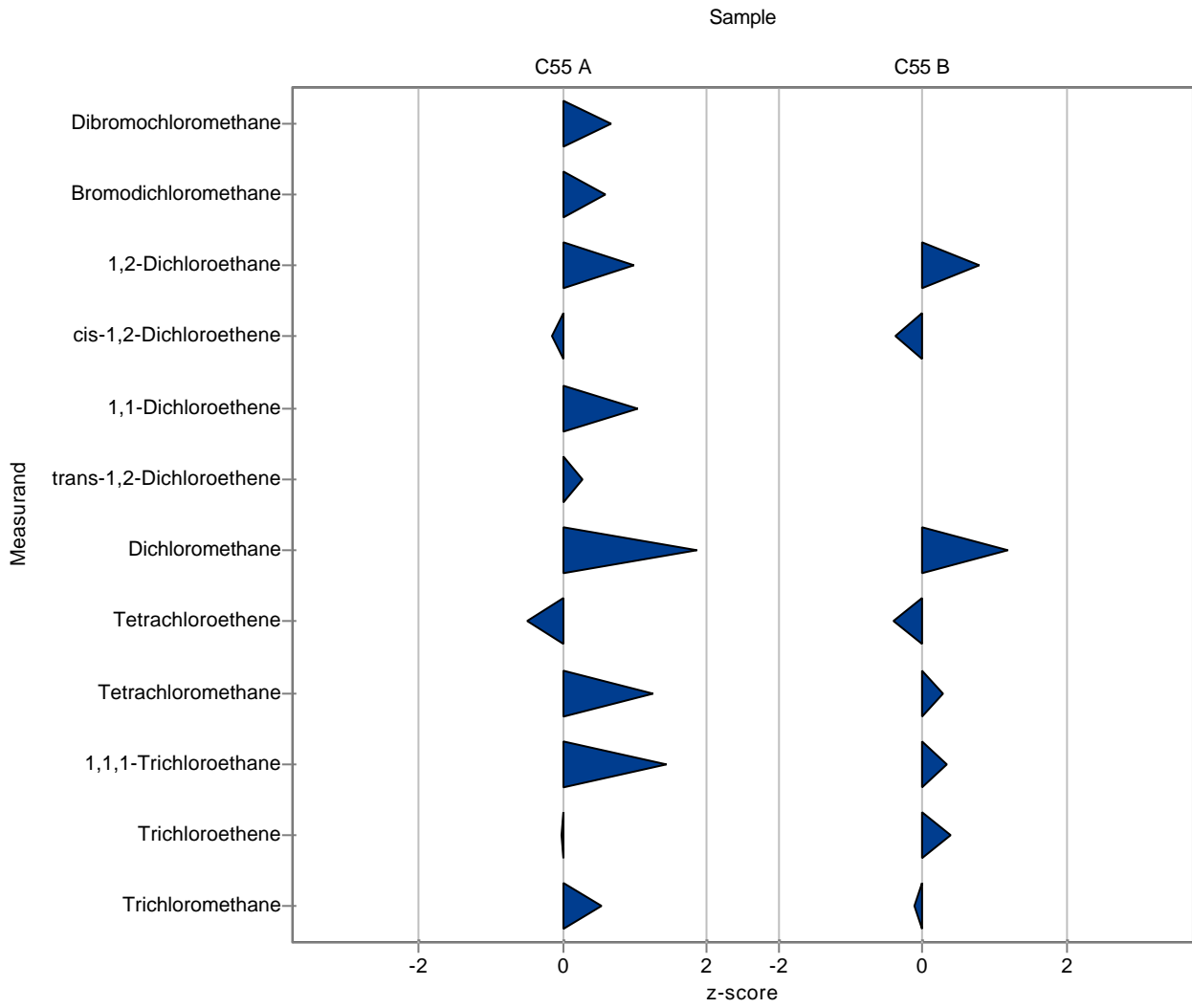
The following results were achieved:

Sample: C55A

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
Dibromochloromethane	µg/l	1.65	± 0.107	1.76	0.46	0.16	106.6	0.68
Bromodichloromethane	µg/l	2.47	± 0.136	2.59	0.65	0.203	104.8	0.58
1,2-Dichloroethane	µg/l	5.26	± 0.362	5.76	1.96	0.512	109.5	0.98
cis-1,2-Dichloroethene	µg/l	4.38	± 0.327	4.32	0.99	0.436	98.6	-0.15
1,1-Dichloroethene	µg/l	5.09	± 0.449	5.73	0.92	0.616	112.6	1.04
trans-1,2-Dichloroethene	µg/l	1.14	± 0.102	1.18	0.31	0.132	103.2	0.28
Dichloromethane	µg/l	10.2	± 0.696	11.95	3.47	0.956	117.5	1.86
Tetrachloroethene	µg/l	7.93	± 0.535	7.54	2.49	0.797	95.1	-0.49
Tetrachloromethane	µg/l	3.17	± 0.194	3.53	0.67	0.282	111.3	1.27
Tribromomethane	µg/l	7.64	± 0.363	-	-	0.514	-	-
1,1,1-Trichloroethane	µg/l	2.76	± 0.148	3.08	0.68	0.22	111.4	1.43
Trichloroethene	µg/l	12.4	± 0.51	12.4	4.09	0.722	99.9	-0.02
Trichloromethane	µg/l	0.871	± 0.0636	0.92	0.25	0.09	105.6	0.54

Sample: C55B

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
Dibromochloromethane	µg/l	-	± -	<0.05 (LOQ)	-	-	-	-
Bromodichloromethane	µg/l	-	± -	<0.05 (LOQ)	-	-	-	-
1,2-Dichloroethane	µg/l	2.38	± 0.271	2.71	0.92	0.423	113.8	0.78
cis-1,2-Dichloroethene	µg/l	1.53	± 0.181	1.43	0.33	0.256	93.6	-0.38
1,1-Dichloroethene	µg/l	-	± -	<0.08 (LOQ)	-	-	-	-
trans-1,2-Dichloroethene	µg/l	-	± -	<0.08 (LOQ)	-	-	-	-
Dichloromethane	µg/l	5.3	± 0.324	5.82	1.69	0.446	109.8	1.17
Tetrachloroethene	µg/l	0.462	± 0.0366	0.44	0.15	0.0532	95.2	-0.41
Tetrachloromethane	µg/l	0.692	± 0.0433	0.71	0.13	0.0629	102.6	0.29
Tribromomethane	µg/l	2.11	± 0.202	-	-	0.309	-	-
1,1,1-Trichloroethane	µg/l	1.45	± 0.0752	1.49	0.33	0.112	102.5	0.32
Trichloroethene	µg/l	0.852	± 0.0512	0.88	0.29	0.0724	103.3	0.39
Trichloromethane	µg/l	2.57	± 0.143	2.54	0.69	0.208	99.0	-0.12



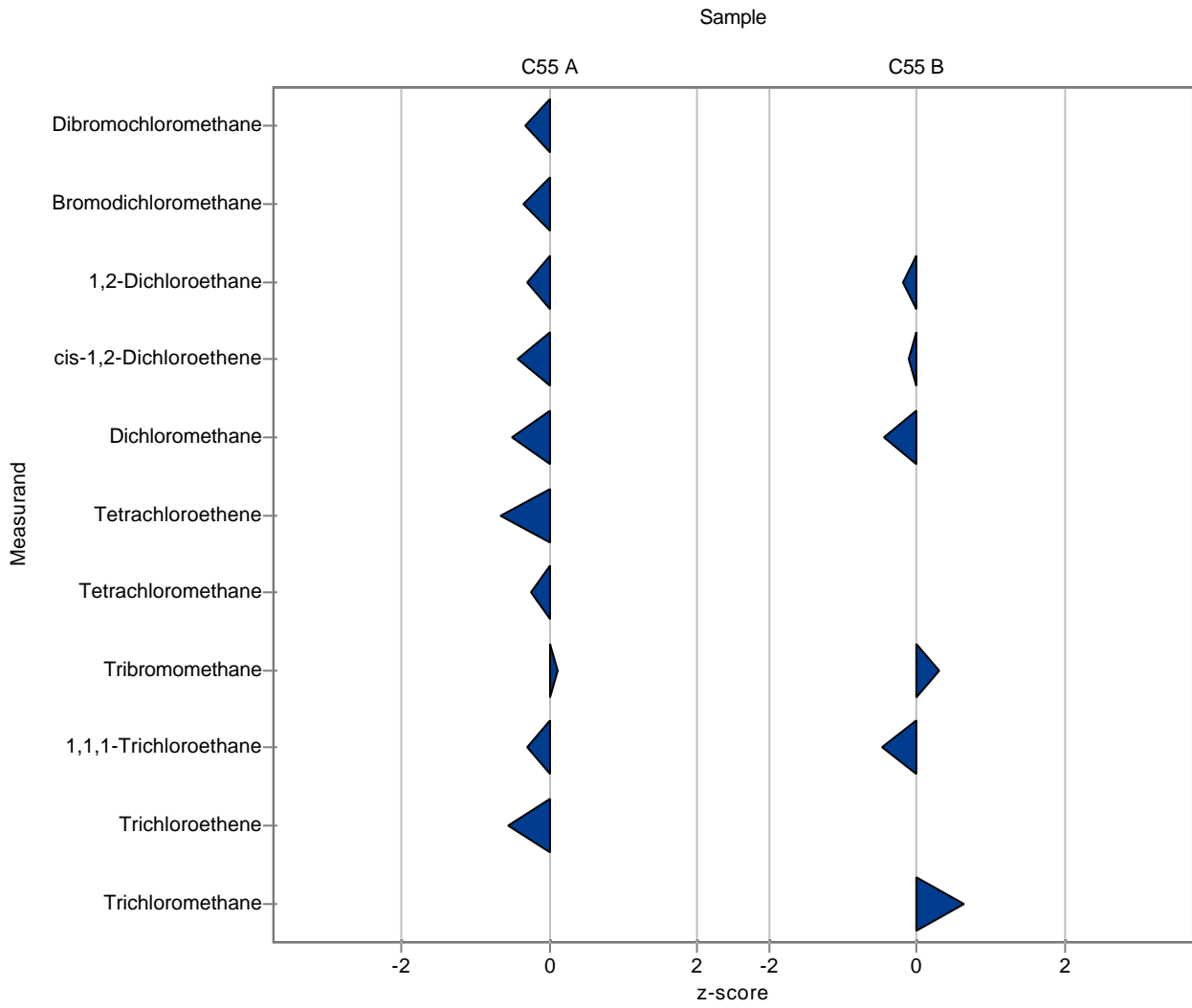
The following results were achieved:

Sample: C55A

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
Dibromochloromethane	µg/l	1.65	± 0.107	1.6	0.34	0.16	96.9	-0.31
Bromodichloromethane	µg/l	2.47	± 0.136	2.4	0.37	0.203	97.1	-0.35
1,2-Dichloroethane	µg/l	5.26	± 0.362	5.1	0.92	0.512	97.0	-0.31
cis-1,2-Dichloroethene	µg/l	4.38	± 0.327	4.2	-	0.436	95.8	-0.42
1,1-Dichloroethene	µg/l	5.09	± 0.449	-	-	0.616	-	-
trans-1,2-Dichloroethene	µg/l	1.14	± 0.102	-	-	0.132	-	-
Dichloromethane	µg/l	10.2	± 0.696	9.7	1.16	0.956	95.3	-0.50
Tetrachloroethene	µg/l	7.93	± 0.535	7.4	2.3	0.797	93.4	-0.66
Tetrachloromethane	µg/l	3.17	± 0.194	3.1	-	0.282	97.7	-0.26
Tribromomethane	µg/l	7.64	± 0.363	7.7	1.75	0.514	100.7	0.11
1,1,1-Trichloroethane	µg/l	2.76	± 0.148	2.7	0.8	0.22	97.7	-0.29
Trichloroethene	µg/l	12.4	± 0.51	12	2.42	0.722	96.7	-0.57
Trichloromethane	µg/l	0.871	± 0.0636	<1 (LOQ)	-	0.09	-	-

Sample: C55B

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
Dibromochloromethane	µg/l	-	± -	<1 (LOQ)	-	-	-	-
Bromodichloromethane	µg/l	-	± -	<1 (LOQ)	-	-	-	-
1,2-Dichloroethane	µg/l	2.38	± 0.271	2.3	0.41	0.423	96.6	-0.19
cis-1,2-Dichloroethene	µg/l	1.53	± 0.181	1.5	-	0.256	98.1	-0.11
1,1-Dichloroethene	µg/l	-	± -	-	-	-	-	-
trans-1,2-Dichloroethene	µg/l	-	± -	-	-	-	-	-
Dichloromethane	µg/l	5.3	± 0.324	5.1	0.61	0.446	96.3	-0.45
Tetrachloroethene	µg/l	0.462	± 0.0366	<1 (LOQ)	-	0.0532	-	-
Tetrachloromethane	µg/l	0.692	± 0.0433	<1 (LOQ)	-	0.0629	-	-
Tribromomethane	µg/l	2.11	± 0.202	2.2	0.5	0.309	104.3	0.29
1,1,1-Trichloroethane	µg/l	1.45	± 0.0752	1.4	0.41	0.112	96.3	-0.48
Trichloroethene	µg/l	0.852	± 0.0512	<1 (LOQ)	-	0.0724	-	-
Trichloromethane	µg/l	2.57	± 0.143	2.7	0.3	0.208	105.2	0.65



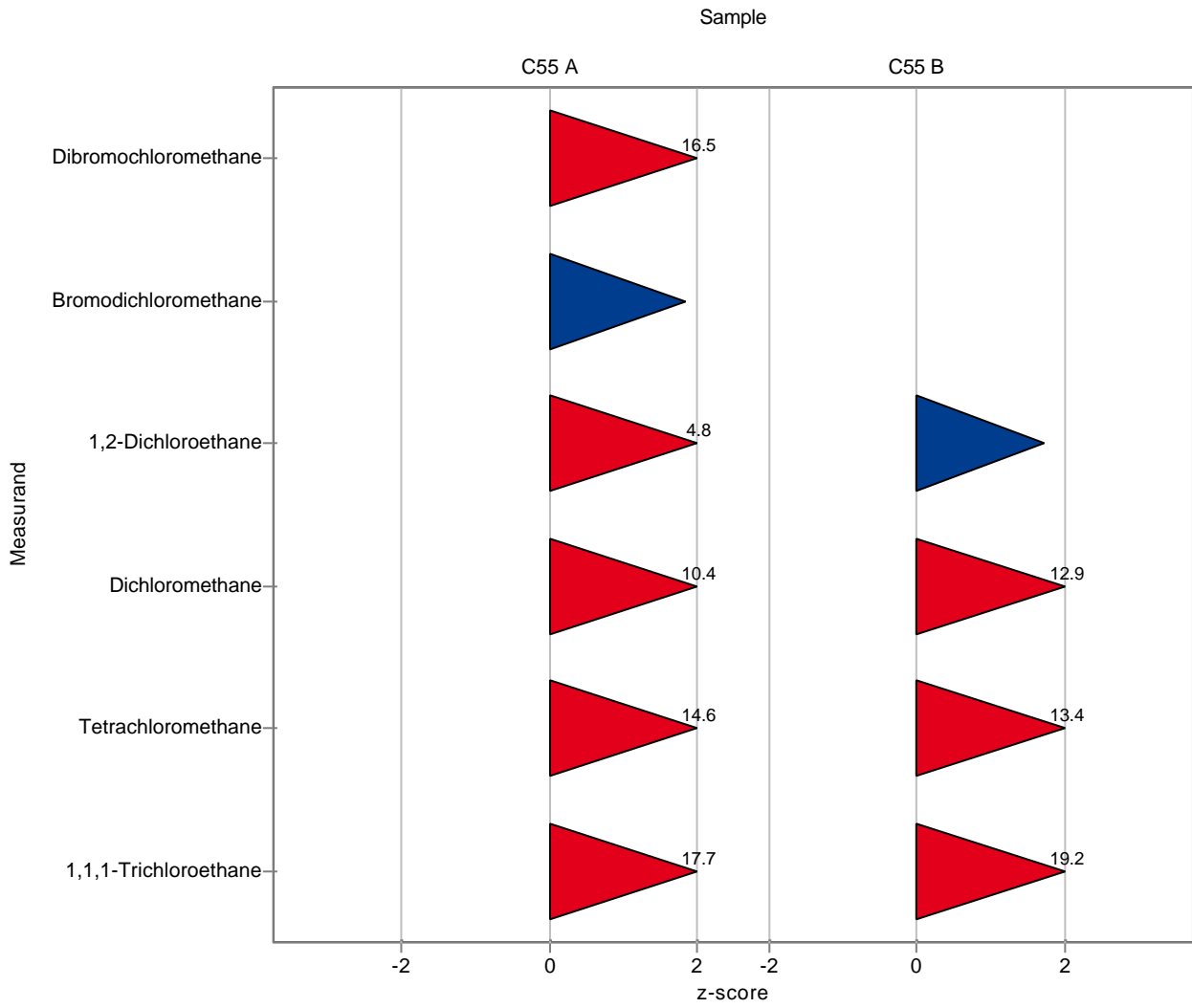
The following results were achieved:

Sample: C55A

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
Dibromochloromethane	µg/l	1.65	± 0.107	4.298	-	0.16	260.4	16.52
Bromodichloromethane	µg/l	2.47	± 0.136	2.848	-	0.203	115.2	1.85
1,2-Dichloroethane	µg/l	5.26	± 0.362	7.722	-	0.512	146.9	4.81
cis-1,2-Dichloroethene	µg/l	4.38	± 0.327	-	-	0.436	-	-
1,1-Dichloroethene	µg/l	5.09	± 0.449	-	-	0.616	-	-
trans-1,2-Dichloroethene	µg/l	1.14	± 0.102	-	-	0.132	-	-
Dichloromethane	µg/l	10.2	± 0.696	20.07	-	0.956	197.3	10.35
Tetrachloroethene	µg/l	7.93	± 0.535	-	-	0.797	-	-
Tetrachloromethane	µg/l	3.17	± 0.194	7.28	-	0.282	229.5	14.56
Tribromomethane	µg/l	7.64	± 0.363	-	-	0.514	-	-
1,1,1-Trichloroethane	µg/l	2.76	± 0.148	6.656	-	0.22	240.8	17.66
Trichloroethene	µg/l	12.4	± 0.51	-	-	0.722	-	-
Trichloromethane	µg/l	0.871	± 0.0636	-	-	0.09	-	-

Sample: C55B

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
Dibromochloromethane	µg/l	-	± -	<0.1 (LOQ)	-	-	-	-
Bromodichloromethane	µg/l	-	± -	<0.1 (LOQ)	-	-	-	-
1,2-Dichloroethane	µg/l	2.38	± 0.271	3.11	-	0.423	130.6	1.72
cis-1,2-Dichloroethene	µg/l	1.53	± 0.181	-	-	0.256	-	-
1,1-Dichloroethene	µg/l	-	± -	-	-	-	-	-
trans-1,2-Dichloroethene	µg/l	-	± -	-	-	-	-	-
Dichloromethane	µg/l	5.3	± 0.324	11.06	-	0.446	208.7	12.93
Tetrachloroethene	µg/l	0.462	± 0.0366	-	-	0.0532	-	-
Tetrachloromethane	µg/l	0.692	± 0.0433	1.537	-	0.0629	222.2	13.44
Tribromomethane	µg/l	2.11	± 0.202	-	-	0.309	-	-
1,1,1-Trichloroethane	µg/l	1.45	± 0.0752	3.603	-	0.112	247.8	19.17
Trichloroethene	µg/l	0.852	± 0.0512	-	-	0.0724	-	-
Trichloromethane	µg/l	2.57	± 0.143	-	-	0.208	-	-



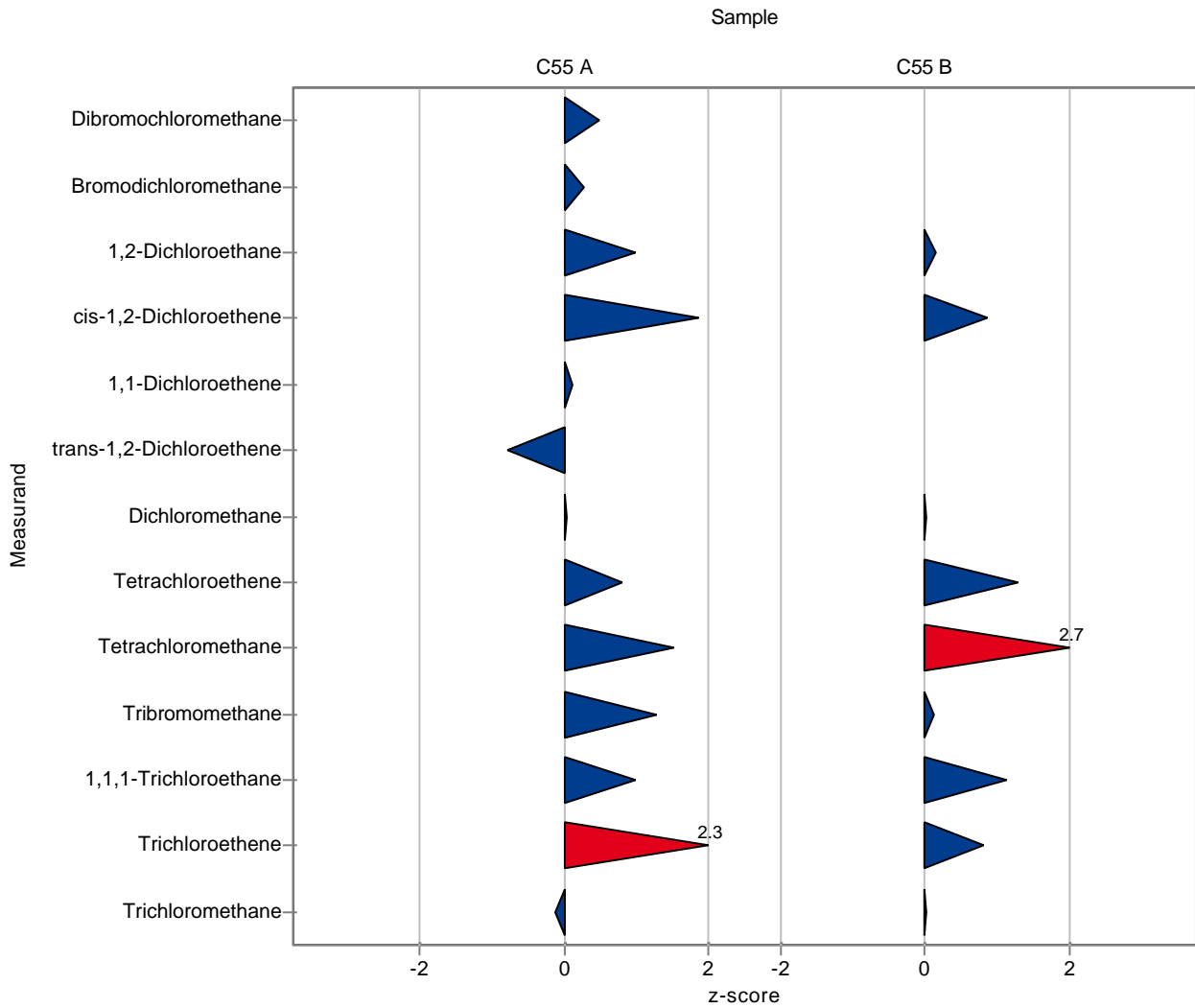
The following results were achieved:

Sample: C55A

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
Dibromochloromethane	µg/l	1.65	± 0.107	1.73	0.119	0.16	104.8	0.50
Bromodichloromethane	µg/l	2.47	± 0.136	2.53	0.073	0.203	102.4	0.29
1,2-Dichloroethane	µg/l	5.26	± 0.362	5.76	0.207	0.512	109.5	0.98
cis-1,2-Dichloroethene	µg/l	4.38	± 0.327	5.19	0.121	0.436	118.4	1.85
1,1-Dichloroethene	µg/l	5.09	± 0.449	5.17	0.27	0.616	101.6	0.13
trans-1,2-Dichloroethene	µg/l	1.14	± 0.102	1.04	0.089	0.132	91.0	-0.78
Dichloromethane	µg/l	10.2	± 0.696	10.2	0.86	0.956	100.3	0.03
Tetrachloroethene	µg/l	7.93	± 0.535	8.57	1.39	0.797	108.1	0.81
Tetrachloromethane	µg/l	3.17	± 0.194	3.6	0.173	0.282	113.5	1.52
Tribromomethane	µg/l	7.64	± 0.363	8.3	0.25	0.514	108.6	1.28
1,1,1-Trichloroethane	µg/l	2.76	± 0.148	2.98	0.109	0.22	107.8	0.98
Trichloroethene	µg/l	12.4	± 0.51	14.1	0.8	0.722	113.6	2.34
Trichloromethane	µg/l	0.871	± 0.0636	0.86	0.061	0.09	98.7	-0.13

Sample: C55B

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
Dibromochloromethane	µg/l	-	± -	<0.05 (LOQ)	-	-	-	-
Bromodichloromethane	µg/l	-	± -	<0.012 (LOD)	-	-	-	-
1,2-Dichloroethane	µg/l	2.38	± 0.271	2.45	0.088	0.423	102.9	0.16
cis-1,2-Dichloroethene	µg/l	1.53	± 0.181	1.75	0.05	0.256	114.5	0.87
1,1-Dichloroethene	µg/l	-	± -	<0.012 (LOD)	-	-	-	-
trans-1,2-Dichloroethene	µg/l	-	± -	<0.012 (LOD)	-	-	-	-
Dichloromethane	µg/l	5.3	± 0.324	5.3	0.34	0.446	100.0	0.00
Tetrachloroethene	µg/l	0.462	± 0.0366	0.53	0.025	0.0532	114.7	1.28
Tetrachloromethane	µg/l	0.692	± 0.0433	0.86	0.038	0.0629	124.3	2.67
Tribromomethane	µg/l	2.11	± 0.202	2.15	0.091	0.309	101.9	0.13
1,1,1-Trichloroethane	µg/l	1.45	± 0.0752	1.58	0.056	0.112	108.7	1.12
Trichloroethene	µg/l	0.852	± 0.0512	0.91	0.063	0.0724	106.8	0.81
Trichloromethane	µg/l	2.57	± 0.143	2.57	0.069	0.208	100.2	0.02



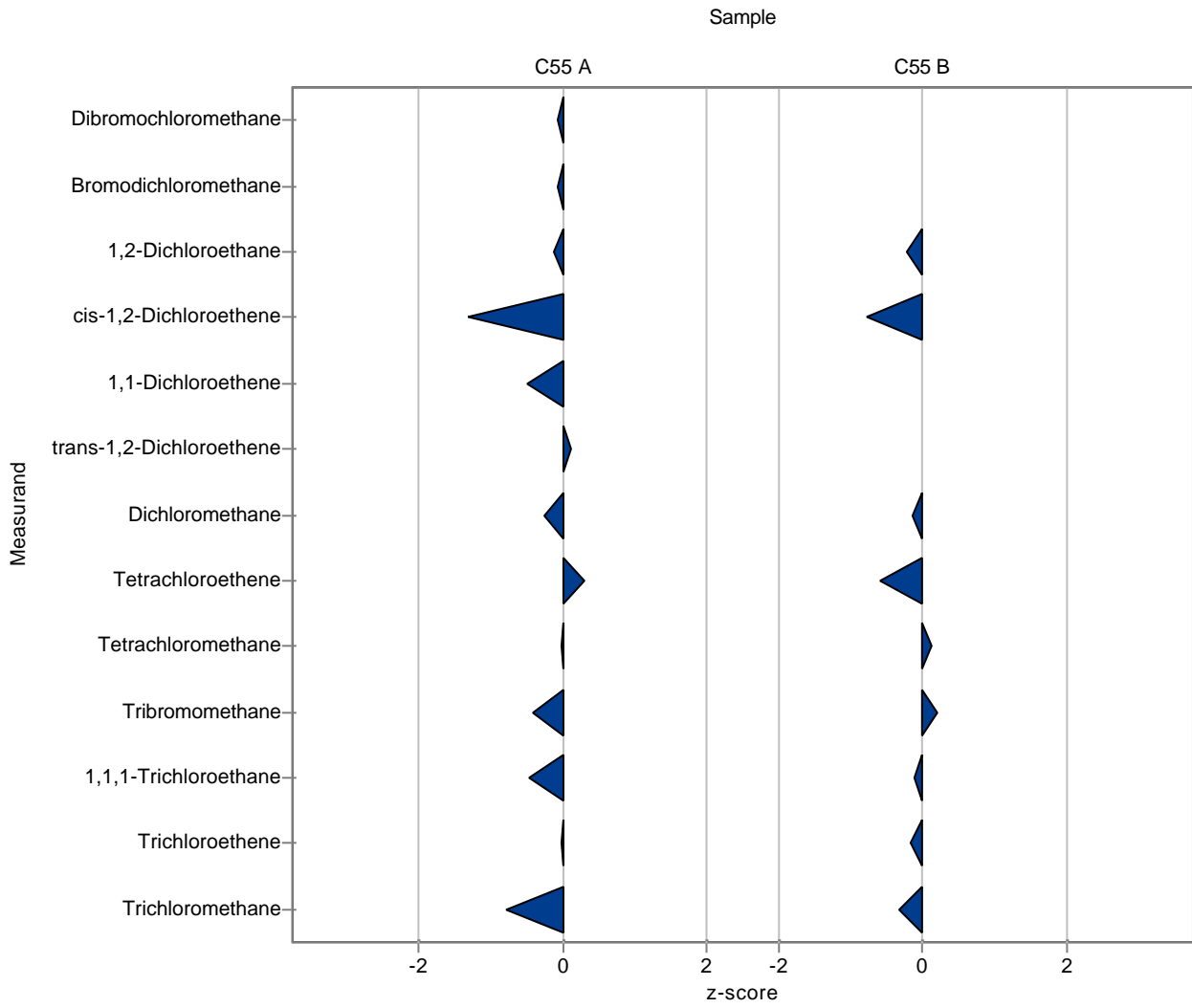
The following results were achieved:

Sample: C55A

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
Dibromochloromethane	µg/l	1.65	± 0.107	1.64	0.33	0.16	99.4	-0.06
Bromodichloromethane	µg/l	2.47	± 0.136	2.46	0.49	0.203	99.5	-0.06
1,2-Dichloroethane	µg/l	5.26	± 0.362	5.2	1.04	0.512	98.9	-0.11
cis-1,2-Dichloroethene	µg/l	4.38	± 0.327	3.81	0.76	0.436	86.9	-1.32
1,1-Dichloroethene	µg/l	5.09	± 0.449	4.78	0.96	0.616	93.9	-0.50
trans-1,2-Dichloroethene	µg/l	1.14	± 0.102	1.16	0.23	0.132	101.5	0.13
Dichloromethane	µg/l	10.2	± 0.696	9.92	1.98	0.956	97.5	-0.27
Tetrachloroethene	µg/l	7.93	± 0.535	8.16	1.63	0.797	102.9	0.29
Tetrachloromethane	µg/l	3.17	± 0.194	3.17	0.63	0.282	99.9	-0.01
Tribromomethane	µg/l	7.64	± 0.363	7.43	1.49	0.514	97.2	-0.42
1,1,1-Trichloroethane	µg/l	2.76	± 0.148	2.66	0.53	0.22	96.2	-0.47
Trichloroethene	µg/l	12.4	± 0.51	12.4	2.47	0.722	99.9	-0.02
Trichloromethane	µg/l	0.871	± 0.0636	0.8	0.16	0.09	91.8	-0.79

Sample: C55B

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
Dibromochloromethane	µg/l	-	± -	<0.05 (LOQ)	-	-	-	-
Bromodichloromethane	µg/l	-	± -	<0.05 (LOQ)	-	-	-	-
1,2-Dichloroethane	µg/l	2.38	± 0.271	2.29	0.46	0.423	96.1	-0.22
cis-1,2-Dichloroethene	µg/l	1.53	± 0.181	1.33	0.27	0.256	87.0	-0.78
1,1-Dichloroethene	µg/l	-	± -	<0.05 (LOQ)	-	-	-	-
trans-1,2-Dichloroethene	µg/l	-	± -	<0.05 (LOQ)	-	-	-	-
Dichloromethane	µg/l	5.3	± 0.324	5.24	1.05	0.446	98.9	-0.13
Tetrachloroethene	µg/l	0.462	± 0.0366	0.43	0.09	0.0532	93.1	-0.60
Tetrachloromethane	µg/l	0.692	± 0.0433	0.7	0.14	0.0629	101.2	0.13
Tribromomethane	µg/l	2.11	± 0.202	2.17	0.43	0.309	102.9	0.20
1,1,1-Trichloroethane	µg/l	1.45	± 0.0752	1.44	0.29	0.112	99.0	-0.12
Trichloroethene	µg/l	0.852	± 0.0512	0.84	0.17	0.0724	98.6	-0.16
Trichloromethane	µg/l	2.57	± 0.143	2.5	0.5	0.208	97.4	-0.32



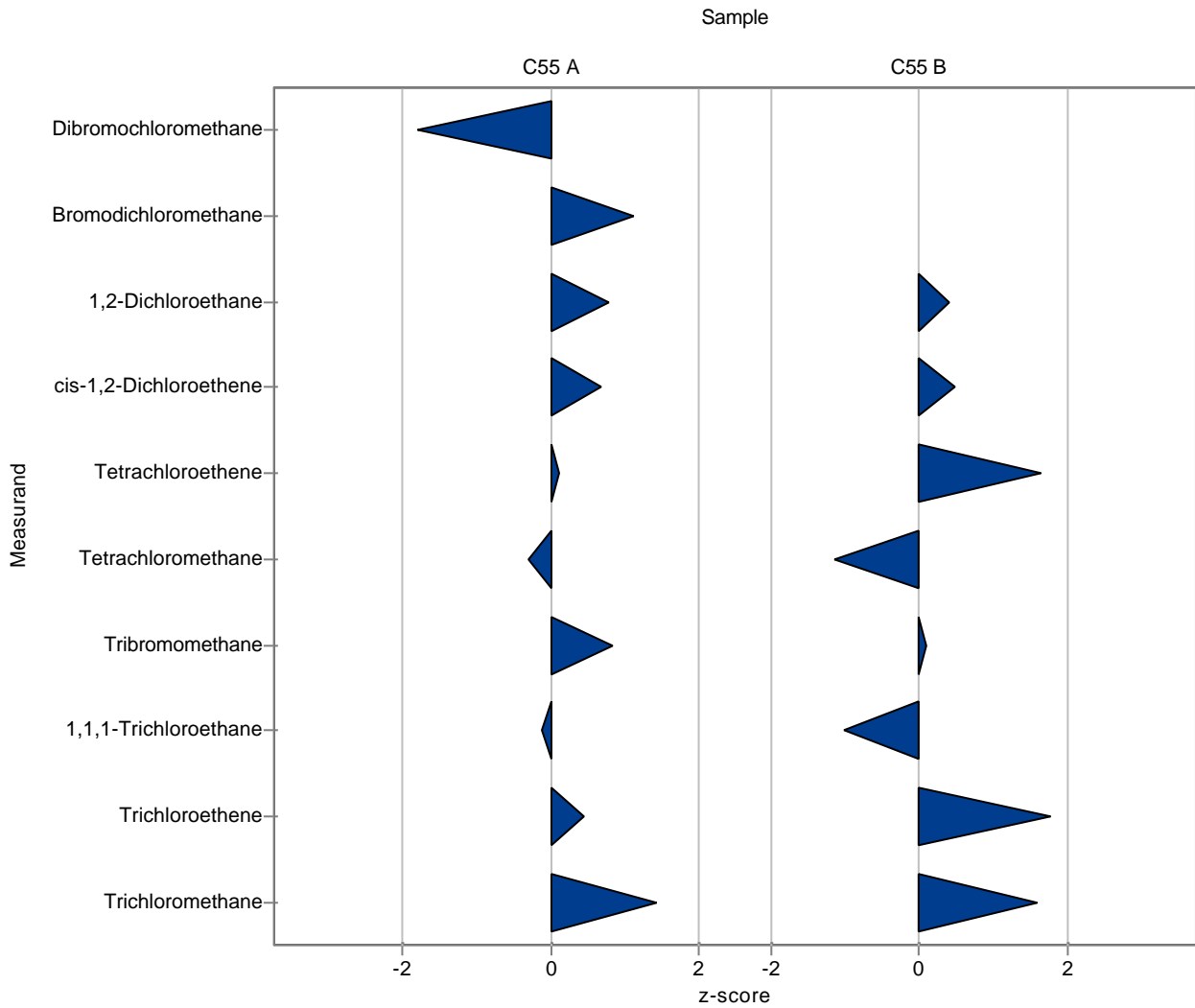
The following results were achieved:

Sample: C55A

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
Dibromochloromethane	µg/l	1.65	± 0.107	1.36	0.1	0.16	82.4	-1.81
Bromodichloromethane	µg/l	2.47	± 0.136	2.7	0.22	0.203	109.2	1.12
1,2-Dichloroethane	µg/l	5.26	± 0.362	5.66	0.31	0.512	107.6	0.79
cis-1,2-Dichloroethene	µg/l	4.38	± 0.327	4.68	0.35	0.436	106.8	0.68
1,1-Dichloroethene	µg/l	5.09	± 0.449	-	-	0.616	-	-
trans-1,2-Dichloroethene	µg/l	1.14	± 0.102	-	-	0.132	-	-
Dichloromethane	µg/l	10.2	± 0.696	-	-	0.956	-	-
Tetrachloroethene	µg/l	7.93	± 0.535	8.02	2	0.797	101.2	0.12
Tetrachloromethane	µg/l	3.17	± 0.194	3.09	0.85	0.282	97.4	-0.29
Tribromomethane	µg/l	7.64	± 0.363	8.08	0.9	0.514	105.7	0.85
1,1,1-Trichloroethane	µg/l	2.76	± 0.148	2.74	0.45	0.22	99.1	-0.11
Trichloroethene	µg/l	12.4	± 0.51	12.73	1.45	0.722	102.6	0.44
Trichloromethane	µg/l	0.871	± 0.0636	1	0.1	0.09	114.8	1.43

Sample: C55B

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
Dibromochloromethane	µg/l	-	± -	<0.2 (LOQ)	-	-	-	-
Bromodichloromethane	µg/l	-	± -	<0.2 (LOQ)	-	-	-	-
1,2-Dichloroethane	µg/l	2.38	± 0.271	2.55	0.3	0.423	107.1	0.40
cis-1,2-Dichloroethene	µg/l	1.53	± 0.181	1.65	0.19	0.256	108.0	0.48
1,1-Dichloroethene	µg/l	-	± -	-	-	-	-	-
trans-1,2-Dichloroethene	µg/l	-	± -	-	-	-	-	-
Dichloromethane	µg/l	5.3	± 0.324	-	-	0.446	-	-
Tetrachloroethene	µg/l	0.462	± 0.0366	0.55	0.15	0.0532	119.0	1.65
Tetrachloromethane	µg/l	0.692	± 0.0433	0.62	0.12	0.0629	89.6	-1.14
Tribromomethane	µg/l	2.11	± 0.202	2.14	0.1	0.309	101.4	0.10
1,1,1-Trichloroethane	µg/l	1.45	± 0.0752	1.34	0.22	0.112	92.2	-1.02
Trichloroethene	µg/l	0.852	± 0.0512	0.98	0.19	0.0724	115.1	1.77
Trichloromethane	µg/l	2.57	± 0.143	2.9	0.35	0.208	113.0	1.61



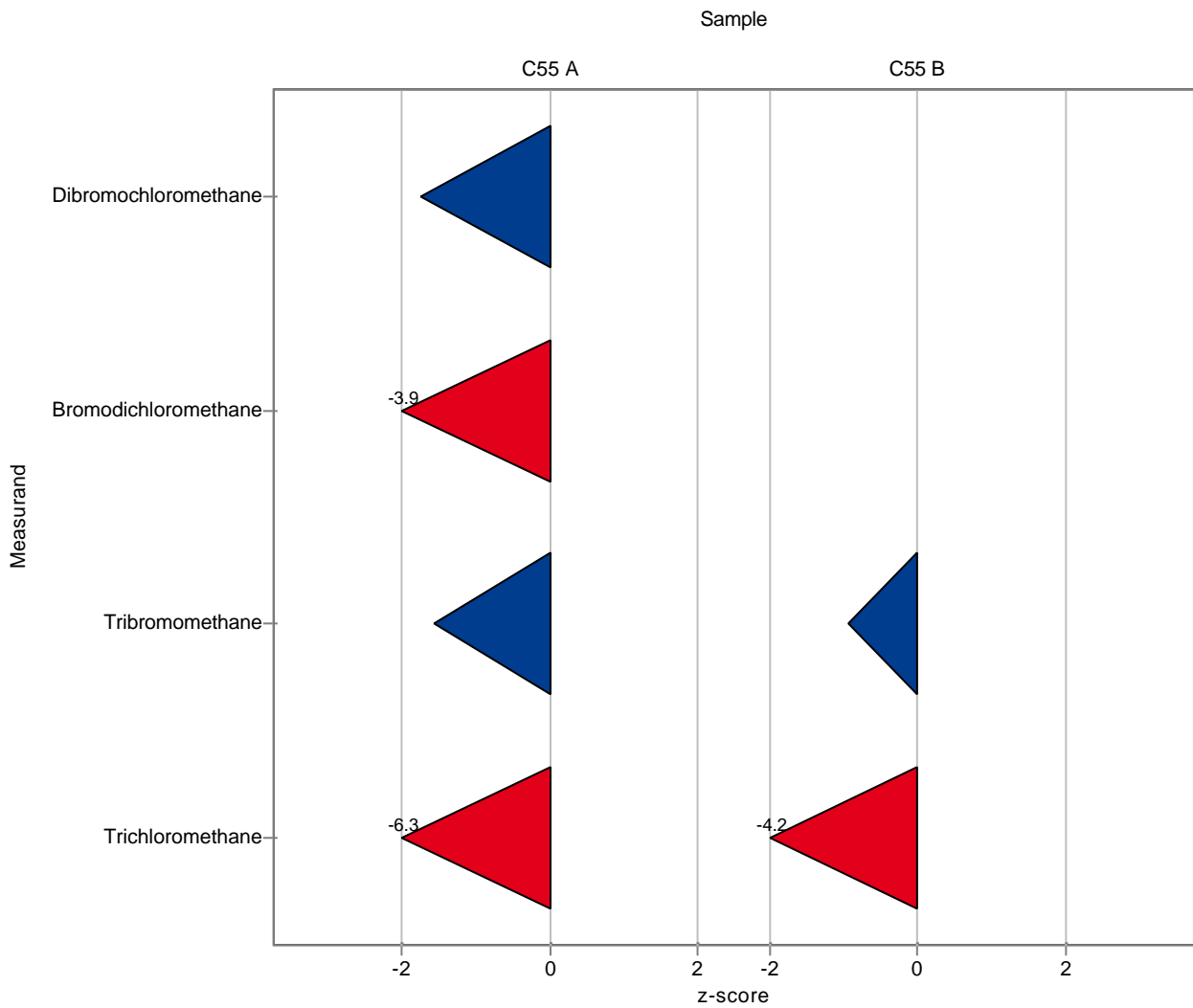
The following results were achieved:

Sample: C55A

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
Dibromochloromethane	µg/l	1.65	± 0.107	1.37	0.03	0.16	83.0	-1.75
Bromodichloromethane	µg/l	2.47	± 0.136	1.68	0.03	0.203	68.0	-3.89
1,2-Dichloroethane	µg/l	5.26	± 0.362	-	-	0.512	-	-
cis-1,2-Dichloroethene	µg/l	4.38	± 0.327	-	-	0.436	-	-
1,1-Dichloroethene	µg/l	5.09	± 0.449	-	-	0.616	-	-
trans-1,2-Dichloroethene	µg/l	1.14	± 0.102	-	-	0.132	-	-
Dichloromethane	µg/l	10.2	± 0.696	-	-	0.956	-	-
Tetrachloroethene	µg/l	7.93	± 0.535	-	-	0.797	-	-
Tetrachloromethane	µg/l	3.17	± 0.194	-	-	0.282	-	-
Tribromomethane	µg/l	7.64	± 0.363	6.84	0.21	0.514	89.5	-1.56
1,1,1-Trichloroethane	µg/l	2.76	± 0.148	-	-	0.22	-	-
Trichloroethene	µg/l	12.4	± 0.51	-	-	0.722	-	-
Trichloromethane	µg/l	0.871	± 0.0636	0.3	0.01	0.09	34.4	-6.35

Sample: C55B

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
Dibromochloromethane	µg/l	-	± -	<0.35 (LOD)	-	-	-	-
Bromodichloromethane	µg/l	-	± -	<0.28 (LOD)	-	-	-	-
1,2-Dichloroethane	µg/l	2.38	± 0.271	-	-	0.423	-	-
cis-1,2-Dichloroethene	µg/l	1.53	± 0.181	-	-	0.256	-	-
1,1-Dichloroethene	µg/l	-	± -	-	-	-	-	-
trans-1,2-Dichloroethene	µg/l	-	± -	-	-	-	-	-
Dichloromethane	µg/l	5.3	± 0.324	-	-	0.446	-	-
Tetrachloroethene	µg/l	0.462	± 0.0366	-	-	0.0532	-	-
Tetrachloromethane	µg/l	0.692	± 0.0433	-	-	0.0629	-	-
Tribromomethane	µg/l	2.11	± 0.202	1.82	0.06	0.309	86.3	-0.94
1,1,1-Trichloroethane	µg/l	1.45	± 0.0752	-	-	0.112	-	-
Trichloroethene	µg/l	0.852	± 0.0512	-	-	0.0724	-	-
Trichloromethane	µg/l	2.57	± 0.143	1.7	0.07	0.208	66.3	-4.17



The following results were achieved:

Sample: C55A

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
Dibromochloromethane	µg/l	1.65	± 0.107	-	-	0.16	-	-
Bromodichloromethane	µg/l	2.47	± 0.136	-	-	0.203	-	-
1,2-Dichloroethane	µg/l	5.26	± 0.362	-	-	0.512	-	-
cis-1,2-Dichloroethene	µg/l	4.38	± 0.327	-	-	0.436	-	-
1,1-Dichloroethene	µg/l	5.09	± 0.449	-	-	0.616	-	-
trans-1,2-Dichloroethene	µg/l	1.14	± 0.102	-	-	0.132	-	-
Dichloromethane	µg/l	10.2	± 0.696	-	-	0.956	-	-
Tetrachloroethene	µg/l	7.93	± 0.535	-	-	0.797	-	-
Tetrachloromethane	µg/l	3.17	± 0.194	-	-	0.282	-	-
Tribromomethane	µg/l	7.64	± 0.363	-	-	0.514	-	-
1,1,1-Trichloroethane	µg/l	2.76	± 0.148	-	-	0.22	-	-
Trichloroethene	µg/l	12.4	± 0.51	-	-	0.722	-	-
Trichloromethane	µg/l	0.871	± 0.0636	-	-	0.09	-	-

Sample: C55B

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
Dibromochloromethane	µg/l	-	± -	-	-	-	-	-
Bromodichloromethane	µg/l	-	± -	-	-	-	-	-
1,2-Dichloroethane	µg/l	2.38	± 0.271	-	-	0.423	-	-
cis-1,2-Dichloroethene	µg/l	1.53	± 0.181	-	-	0.256	-	-
1,1-Dichloroethene	µg/l	-	± -	-	-	-	-	-
trans-1,2-Dichloroethene	µg/l	-	± -	-	-	-	-	-
Dichloromethane	µg/l	5.3	± 0.324	-	-	0.446	-	-
Tetrachloroethene	µg/l	0.462	± 0.0366	-	-	0.0532	-	-
Tetrachloromethane	µg/l	0.692	± 0.0433	-	-	0.0629	-	-
Tribromomethane	µg/l	2.11	± 0.202	-	-	0.309	-	-
1,1,1-Trichloroethane	µg/l	1.45	± 0.0752	-	-	0.112	-	-
Trichloroethene	µg/l	0.852	± 0.0512	-	-	0.0724	-	-
Trichloromethane	µg/l	2.57	± 0.143	-	-	0.208	-	-

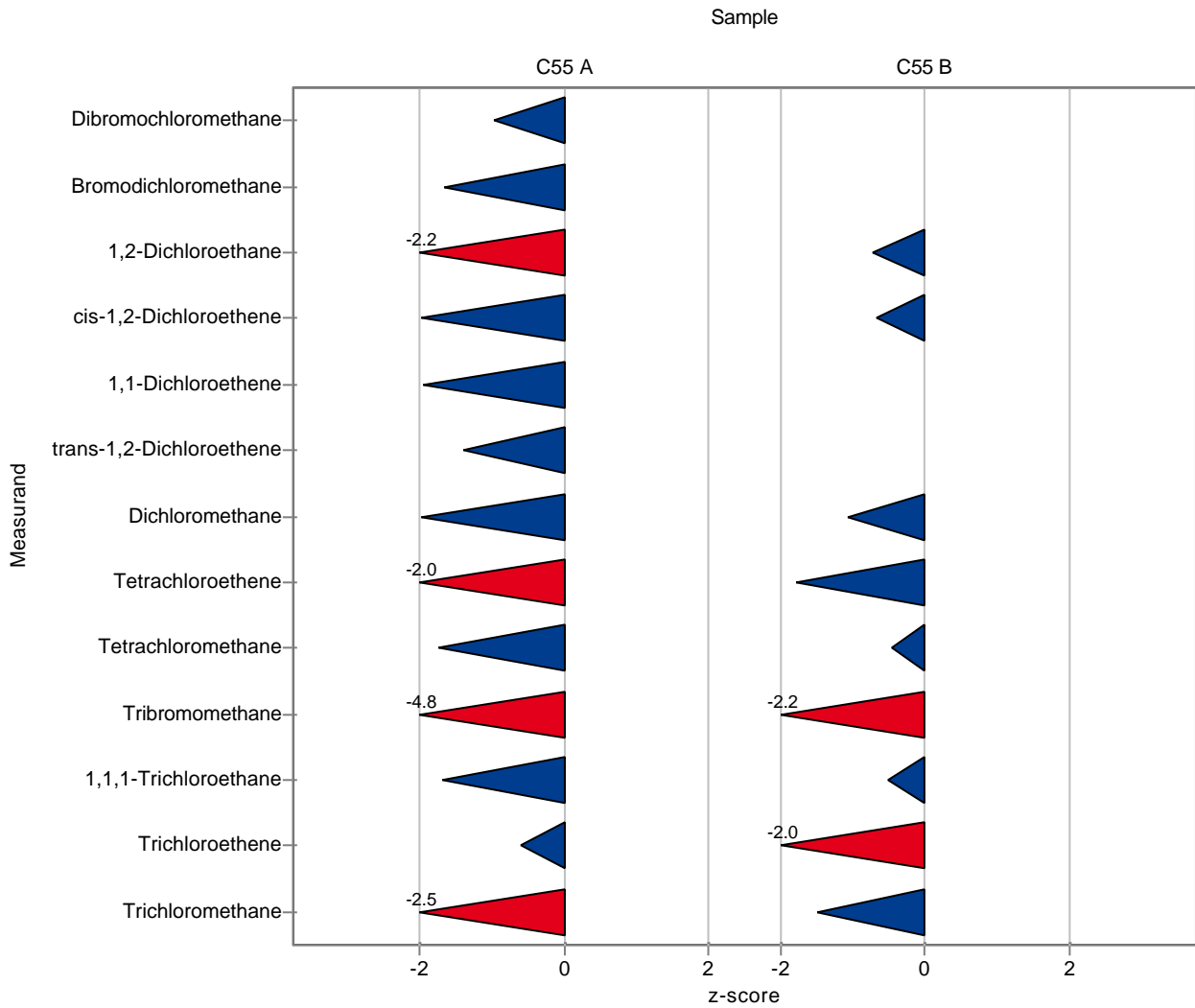
The following results were achieved:

Sample: C55A

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
Dibromochloromethane	µg/l	1.65	± 0.107	1.494	0.25	0.16	90.5	-0.98
Bromodichloromethane	µg/l	2.47	± 0.136	2.132	0.31	0.203	86.3	-1.67
1,2-Dichloroethane	µg/l	5.26	± 0.362	4.123	0.6	0.512	78.4	-2.22
cis-1,2-Dichloroethene	µg/l	4.38	± 0.327	3.518	0.89	0.436	80.3	-1.99
1,1-Dichloroethene	µg/l	5.09	± 0.449	3.884	1.13	0.616	76.3	-1.96
trans-1,2-Dichloroethene	µg/l	1.14	± 0.102	0.961	0.28	0.132	84.1	-1.38
Dichloromethane	µg/l	10.2	± 0.696	8.279	1.7	0.956	81.4	-1.98
Tetrachloroethene	µg/l	7.93	± 0.535	6.322	1.17	0.797	79.8	-2.01
Tetrachloromethane	µg/l	3.17	± 0.194	2.683	0.46	0.282	84.6	-1.73
Tribromomethane	µg/l	7.64	± 0.363	5.162	0.96	0.514	67.5	-4.83
1,1,1-Trichloroethane	µg/l	2.76	± 0.148	2.391	0.43	0.22	86.5	-1.69
Trichloroethene	µg/l	12.4	± 0.51	11.977	2.26	0.722	96.5	-0.60
Trichloromethane	µg/l	0.871	± 0.0636	0.647	0.11	0.09	74.3	-2.49

Sample: C55B

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
Dibromochloromethane	µg/l	-	± -	<0.1 (LOQ)	-	-	-	-
Bromodichloromethane	µg/l	-	± -	<0.1 (LOQ)	-	-	-	-
1,2-Dichloroethane	µg/l	2.38	± 0.271	2.07	0.3	0.423	86.9	-0.74
cis-1,2-Dichloroethene	µg/l	1.53	± 0.181	1.355	0.34	0.256	88.7	-0.68
1,1-Dichloroethene	µg/l	-	± -	<0.2 (LOQ)	-	-	-	-
trans-1,2-Dichloroethene	µg/l	-	± -	<0.5 (LOQ)	-	-	-	-
Dichloromethane	µg/l	5.3	± 0.324	4.818	0.98	0.446	90.9	-1.08
Tetrachloroethene	µg/l	0.462	± 0.0366	0.367	0.068	0.0532	79.4	-1.79
Tetrachloromethane	µg/l	0.692	± 0.0433	0.663	0.11	0.0629	95.8	-0.46
Tribromomethane	µg/l	2.11	± 0.202	1.445	0.27	0.309	68.5	-2.15
1,1,1-Trichloroethane	µg/l	1.45	± 0.0752	1.395	0.25	0.112	95.9	-0.53
Trichloroethene	µg/l	0.852	± 0.0512	0.704	0.13	0.0724	82.7	-2.04
Trichloromethane	µg/l	2.57	± 0.143	2.253	0.37	0.208	87.8	-1.51



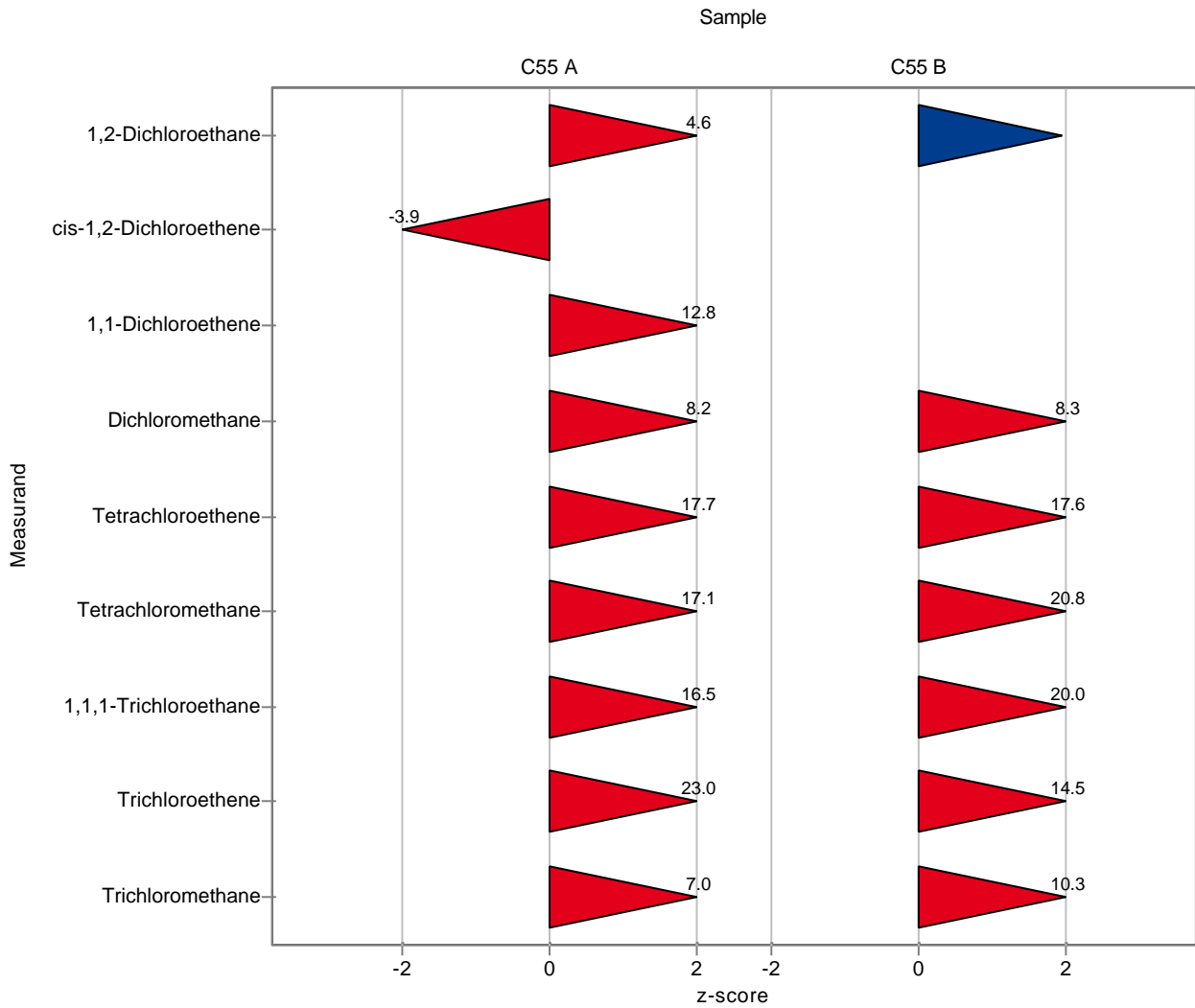
The following results were achieved:

Sample: C55A

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
Dibromochloromethane	µg/l	1.65	± 0.107	-	-	0.16	-	-
Bromodichloromethane	µg/l	2.47	± 0.136	-	-	0.203	-	-
1,2-Dichloroethane	µg/l	5.26	± 0.362	7.6	0.8	0.512	144.5	4.58
cis-1,2-Dichloroethene	µg/l	4.38	± 0.327	2.7	0.3	0.436	61.6	-3.86
1,1-Dichloroethene	µg/l	5.09	± 0.449	13	1.3	0.616	255.4	12.83
trans-1,2-Dichloroethene	µg/l	1.14	± 0.102	-	-	0.132	-	-
Dichloromethane	µg/l	10.2	± 0.696	18	1.8	0.956	176.9	8.19
Tetrachloroethene	µg/l	7.93	± 0.535	22	2.2	0.797	277.5	17.65
Tetrachloromethane	µg/l	3.17	± 0.194	8	0.8	0.282	252.2	17.11
Tribromomethane	µg/l	7.64	± 0.363	-	-	0.514	-	-
1,1,1-Trichloroethane	µg/l	2.76	± 0.148	6.4	0.6	0.22	231.5	16.50
Trichloroethene	µg/l	12.4	± 0.51	29	2.9	0.722	233.6	22.99
Trichloromethane	µg/l	0.871	± 0.0636	1.5	0.2	0.09	172.2	6.99

Sample: C55B

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
Dibromochloromethane	µg/l	-	± -	-	-	-	-	-
Bromodichloromethane	µg/l	-	± -	-	-	-	-	-
1,2-Dichloroethane	µg/l	2.38	± 0.271	3.2	0.3	0.423	134.4	1.93
cis-1,2-Dichloroethene	µg/l	1.53	± 0.181	<0.1 (LOD)	-	0.256	-	-
1,1-Dichloroethene	µg/l	-	± -	<0.1 (LOD)	-	-	-	-
trans-1,2-Dichloroethene	µg/l	-	± -	-	-	-	-	-
Dichloromethane	µg/l	5.3	± 0.324	9	0.9	0.446	169.9	8.31
Tetrachloroethene	µg/l	0.462	± 0.0366	1.4	0.1	0.0532	303.0	17.64
Tetrachloromethane	µg/l	0.692	± 0.0433	2	0.2	0.0629	289.1	20.80
Tribromomethane	µg/l	2.11	± 0.202	-	-	0.309	-	-
1,1,1-Trichloroethane	µg/l	1.45	± 0.0752	3.7	0.4	0.112	254.5	20.03
Trichloroethene	µg/l	0.852	± 0.0512	1.9	0.2	0.0724	223.1	14.48
Trichloromethane	µg/l	2.57	± 0.143	4.7	0.5	0.208	183.2	10.27



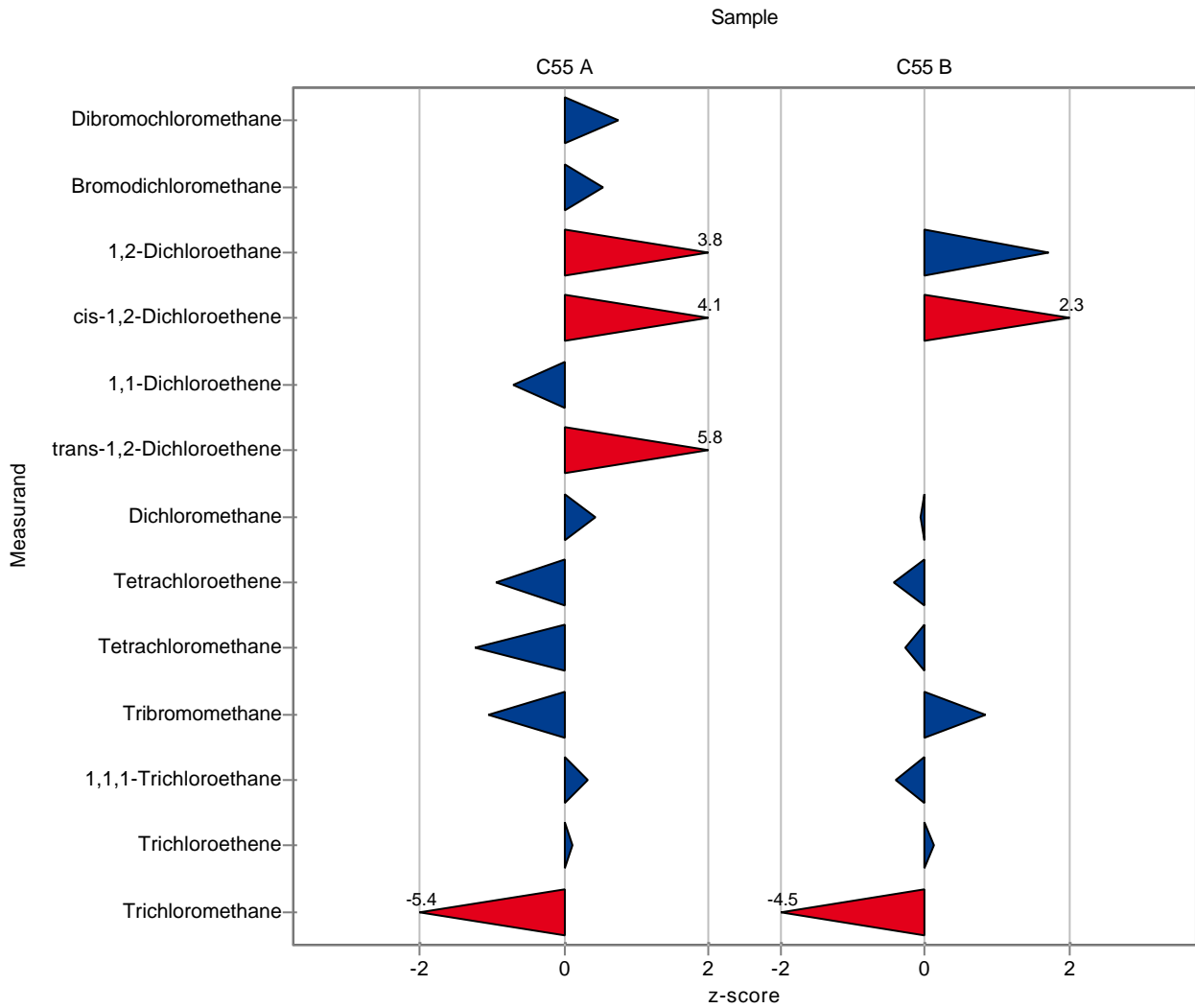
The following results were achieved:

Sample: C55A

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
Dibromochloromethane	µg/l	1.65	± 0.107	1.771	-	0.16	107.3	0.75
Bromodichloromethane	µg/l	2.47	± 0.136	2.581	-	0.203	104.4	0.54
1,2-Dichloroethane	µg/l	5.26	± 0.362	7.183	-	0.512	136.6	3.76
cis-1,2-Dichloroethene	µg/l	4.38	± 0.327	6.19	-	0.436	141.2	4.15
1,1-Dichloroethene	µg/l	5.09	± 0.449	4.65	-	0.616	91.3	-0.71
trans-1,2-Dichloroethene	µg/l	1.14	± 0.102	1.903	-	0.132	166.5	5.77
Dichloromethane	µg/l	10.2	± 0.696	10.579	-	0.956	104.0	0.42
Tetrachloroethene	µg/l	7.93	± 0.535	7.176	-	0.797	90.5	-0.94
Tetrachloromethane	µg/l	3.17	± 0.194	2.825	-	0.282	89.1	-1.23
Tribromomethane	µg/l	7.64	± 0.363	7.1	-	0.514	92.9	-1.06
1,1,1-Trichloroethane	µg/l	2.76	± 0.148	2.834	-	0.22	102.5	0.32
Trichloroethene	µg/l	12.4	± 0.51	12.5	-	0.722	100.7	0.12
Trichloromethane	µg/l	0.871	± 0.0636	0.381	-	0.09	43.7	-5.45

Sample: C55B

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
Dibromochloromethane	µg/l	-	± -	0.022	-	-	-	-
Bromodichloromethane	µg/l	-	± -	0.0047	-	-	-	-
1,2-Dichloroethane	µg/l	2.38	± 0.271	3.101	-	0.423	130.2	1.70
cis-1,2-Dichloroethene	µg/l	1.53	± 0.181	2.125	-	0.256	139.0	2.33
1,1-Dichloroethene	µg/l	-	± -	<0.5 (LOQ)	-	-	-	-
trans-1,2-Dichloroethene	µg/l	-	± -	0.933	-	-	-	-
Dichloromethane	µg/l	5.3	± 0.324	5.271	-	0.446	99.5	-0.06
Tetrachloroethene	µg/l	0.462	± 0.0366	0.439	-	0.0532	95.0	-0.43
Tetrachloromethane	µg/l	0.692	± 0.0433	0.674	-	0.0629	97.4	-0.28
Tribromomethane	µg/l	2.11	± 0.202	2.365	-	0.309	112.1	0.83
1,1,1-Trichloroethane	µg/l	1.45	± 0.0752	1.408	-	0.112	96.8	-0.41
Trichloroethene	µg/l	0.852	± 0.0512	0.861	-	0.0724	101.1	0.13
Trichloromethane	µg/l	2.57	± 0.143	1.629	-	0.208	63.5	-4.51



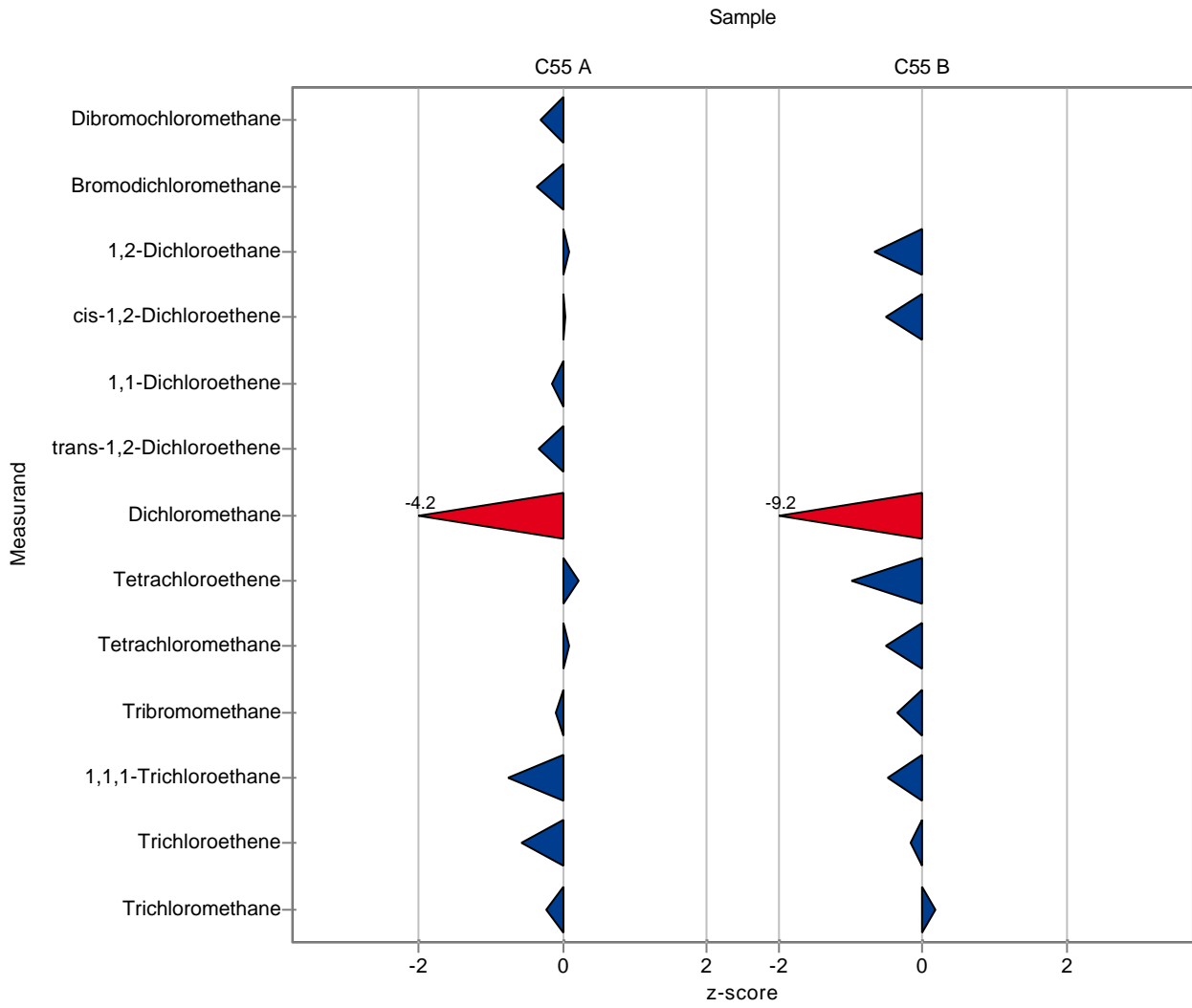
The following results were achieved:

Sample: C55A

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
Dibromochloromethane	µg/l	1.65	± 0.107	1.6	0.2	0.16	96.9	-0.31
Bromodichloromethane	µg/l	2.47	± 0.136	2.4	0.24	0.203	97.1	-0.35
1,2-Dichloroethane	µg/l	5.26	± 0.362	5.3	0.53	0.512	100.8	0.08
cis-1,2-Dichloroethene	µg/l	4.38	± 0.327	4.4	0.44	0.436	100.4	0.04
1,1-Dichloroethene	µg/l	5.09	± 0.449	5	0.5	0.616	98.2	-0.15
trans-1,2-Dichloroethene	µg/l	1.14	± 0.102	1.1	0.11	0.132	96.2	-0.33
Dichloromethane	µg/l	10.2	± 0.696	6.2	0.62	0.956	60.9	-4.16
Tetrachloroethene	µg/l	7.93	± 0.535	8.1	0.81	0.797	102.2	0.22
Tetrachloromethane	µg/l	3.17	± 0.194	3.2	0.32	0.282	100.9	0.10
Tribromomethane	µg/l	7.64	± 0.363	7.6	0.76	0.514	99.4	-0.09
1,1,1-Trichloroethane	µg/l	2.76	± 0.148	2.6	0.26	0.22	94.1	-0.75
Trichloroethene	µg/l	12.4	± 0.51	12	0.58	0.722	96.7	-0.57
Trichloromethane	µg/l	0.871	± 0.0636	0.85	0.09	0.09	97.6	-0.24

Sample: C55B

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
Dibromochloromethane	µg/l	-	± -	<0.2 (LOQ)	-	-	-	-
Bromodichloromethane	µg/l	-	± -	<0.2 (LOQ)	-	-	-	-
1,2-Dichloroethane	µg/l	2.38	± 0.271	2.1	0.21	0.423	88.2	-0.67
cis-1,2-Dichloroethene	µg/l	1.53	± 0.181	1.4	0.14	0.256	91.6	-0.50
1,1-Dichloroethene	µg/l	-	± -	<0.1 (LOQ)	-	-	-	-
trans-1,2-Dichloroethene	µg/l	-	± -	<0.1 (LOQ)	-	-	-	-
Dichloromethane	µg/l	5.3	± 0.324	1.2	0.12	0.446	22.6	-9.20
Tetrachloroethene	µg/l	0.462	± 0.0366	0.41	0.04	0.0532	88.7	-0.98
Tetrachloromethane	µg/l	0.692	± 0.0433	0.66	0.07	0.0629	95.4	-0.51
Tribromomethane	µg/l	2.11	± 0.202	2	0.2	0.309	94.8	-0.36
1,1,1-Trichloroethane	µg/l	1.45	± 0.0752	1.4	0.14	0.112	96.3	-0.48
Trichloroethene	µg/l	0.852	± 0.0512	0.84	0.04	0.0724	98.6	-0.16
Trichloromethane	µg/l	2.57	± 0.143	2.6	0.26	0.208	101.3	0.16



The following results were achieved:

Sample: C55A

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
Dibromochloromethane	µg/l	1.65	± 0.107	1.715	0.326	0.16	103.9	0.40
Bromodichloromethane	µg/l	2.47	± 0.136	2.405	0.481	0.203	97.3	-0.33
1,2-Dichloroethane	µg/l	5.26	± 0.362	-	-	0.512	-	-
cis-1,2-Dichloroethene	µg/l	4.38	± 0.327	-	-	0.436	-	-
1,1-Dichloroethene	µg/l	5.09	± 0.449	-	-	0.616	-	-
trans-1,2-Dichloroethene	µg/l	1.14	± 0.102	-	-	0.132	-	-
Dichloromethane	µg/l	10.2	± 0.696	-	-	0.956	-	-
Tetrachloroethene	µg/l	7.93	± 0.535	8.719	1.308	0.797	110.0	0.99
Tetrachloromethane	µg/l	3.17	± 0.194	3.161	0.664	0.282	99.6	-0.04
Tribromomethane	µg/l	7.64	± 0.363	7.138	1.642	0.514	93.4	-0.98
1,1,1-Trichloroethane	µg/l	2.76	± 0.148	2.748	0.412	0.22	99.4	-0.07
Trichloroethene	µg/l	12.4	± 0.51	12.673	2.028	0.722	102.1	0.36
Trichloromethane	µg/l	0.871	± 0.0636	0.844	0.194	0.09	96.9	-0.30

Sample: C55B

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
Dibromochloromethane	µg/l	-	± -	<0.1 (LOQ)	-	-	-	-
Bromodichloromethane	µg/l	-	± -	<0.1 (LOQ)	-	-	-	-
1,2-Dichloroethane	µg/l	2.38	± 0.271	-	-	0.423	-	-
cis-1,2-Dichloroethene	µg/l	1.53	± 0.181	-	-	0.256	-	-
1,1-Dichloroethene	µg/l	-	± -	-	-	-	-	-
trans-1,2-Dichloroethene	µg/l	-	± -	-	-	-	-	-
Dichloromethane	µg/l	5.3	± 0.324	-	-	0.446	-	-
Tetrachloroethene	µg/l	0.462	± 0.0366	0.495	0.099	0.0532	107.1	0.62
Tetrachloromethane	µg/l	0.692	± 0.0433	0.716	0.158	0.0629	103.5	0.38
Tribromomethane	µg/l	2.11	± 0.202	2.185	0.502	0.309	103.6	0.24
1,1,1-Trichloroethane	µg/l	1.45	± 0.0752	1.495	0.224	0.112	102.8	0.37
Trichloroethene	µg/l	0.852	± 0.0512	0.85	0.153	0.0724	99.8	-0.02
Trichloromethane	µg/l	2.57	± 0.143	2.687	0.537	0.208	104.7	0.58

