ENVIRONMENT AGENCY AUSTRIA umweltbundesamt

EVALUATION OF THE INTERLABORATORY COMPARISON TEST

Pesticides H100

Sample dispatch on 27th February 2018

1st Edition 25th April 2018

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1 Interlaboratory comparison test: Pesticides H100

1.1 Participants and time schedule

- Number of registrations: 19
- Number of submitted data records: 19
- Dispatch of samples: 27th February 2018
- Closing date for submission of data: 10th April 2018

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

1.2 Sampling, sample material and distribution

The following samples were made available

- ground water (Sample H100 A)
- surface water (Sample H100 B)

The sampling of the ground water and surface water was carried out on 22nd February 2018.

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

The samples were partly spiked with specific substances and were filled into bottles under continuous stirring to achieve homogeneous samples. The samples were dispatched on 27th February 2018.

Each participant received (according to the order) :

- 2 samples (each 600 ml), each filled in 300 ml Aluminium bottles or
- 2 samples (each 2000 ml), each filled in 1000 ml Aluminium bottles or
- 2 samples (each 4000 ml), each filled in 1000 ml Aluminium bottles

1.3 Control testing

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

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

2 Evaluation

The analytical results had to be made available to the organiser not later than 10th April 2018. Any values received at a later date were not considered. A statistical evaluation of interlaboratory comparison data was only carried out if at least 6 valid results per parameter were available.

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

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

z-Score

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

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

In this context,

x_i is the measurement value of the participating laboratory.

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

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

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

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

3 Representation and interpretation of measurement results

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

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

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

4 Explanatory notes

As explained in section 2, the z-Score is calculated using the reproducibility standard deviation, calculated from the participants' results (after removal of outliers) in the relevant test round. As a consequence it might occur that the z-Score between -2 and 2 covers an extraordinary range, due to a high variance of the results.

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

- **Cf. sample H100 A:** Prometryn (n=8)
- **Cf. sample H100 B:** Sebuthylazine (n=9), Clopyralid (n=6)

Sample H100 A: For the parameters Atrazine-desethyl-desisopropyl, Atrazine-desisopropyl, Clopyralid and Sebuthylazine no target value was calculated because of the low analyte content and/or the small number of submitted results.

Sample H100 B: For the parameters Alachlor, Atrazine-desethyl-desisopropyl and Diuron no target value was calculated because of the low analyte content and/or the small number of submitted results.

5 Annotations on tables and charts

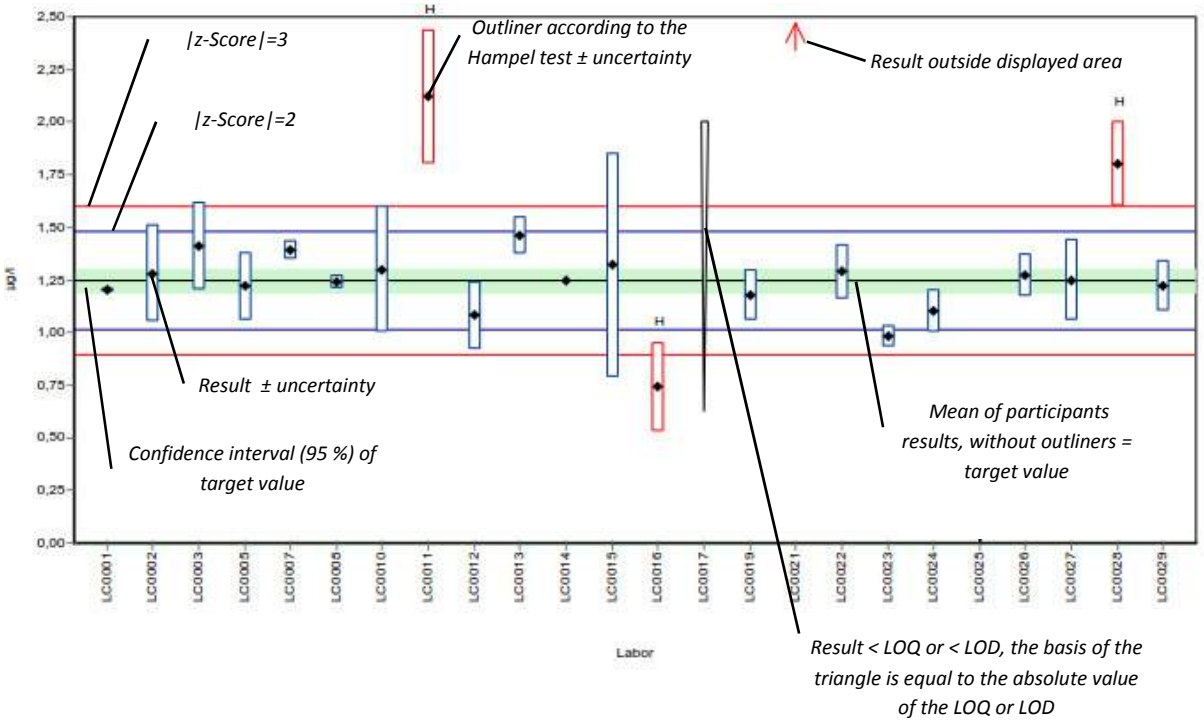
5.1 Information and abbreviations in tables

Parameter	Analyte identifier
Sample	Sample identifier
Unit	Given unit for result and uncertainty (e.g. µg/l)
Mean	Mean of the participants results, without outliers (3 significant digits)
CI (99 %)	99% confidence interval (3 significant digits)
Minimum	Minimum of all submitted results, after removal of outliers (3 significant digits)
Maximum	Maximum of all submitted results, after removal of outliers (3 significant digits)
SD	Reproducibility standard deviation, calculated from the participants results, after removal of outliers (3 significant digits)
RSD %	Reproducibility standard deviation, calculated from the participants results relative to the target value, given in %, after removal of outliers (2 significant digits)
Check value ± U	Mean of check value ± measurement uncertainty (3 significant digits)
Labcode	Laboratory identifier (anonymized)
Result	Result as indicated by participant (max. 5 decimal places)
± U	Results uncertainty as indicated by participant (max. 5 decimal places)
LOQ	Limit of quantification
LOD	Limit of detection
Recovery	Recovery rate in % based on target value (3 significant digits, max. one decimal place given)
z-Score	Deviation of result based on target value depicted as a multiple of the criteria (3 significant digits, max. 2 decimal places given)
-	*No data available*
Comments	Comment on the respective result (e.g. H, FN, FP)
H	Outlier according to Hampel-Test
FN	False negative – for a result < LOQ or result < LOD: The absolute value of the LOQ or LOD fulfils the condition of an outlier according to the Hampel test.
FP	False positive – for parameters where no target value is available because of a too low analyte content (n < 6): Result that exceeds the median of the absolute values of the transmitted LOQs or LODs by more than 100 %.

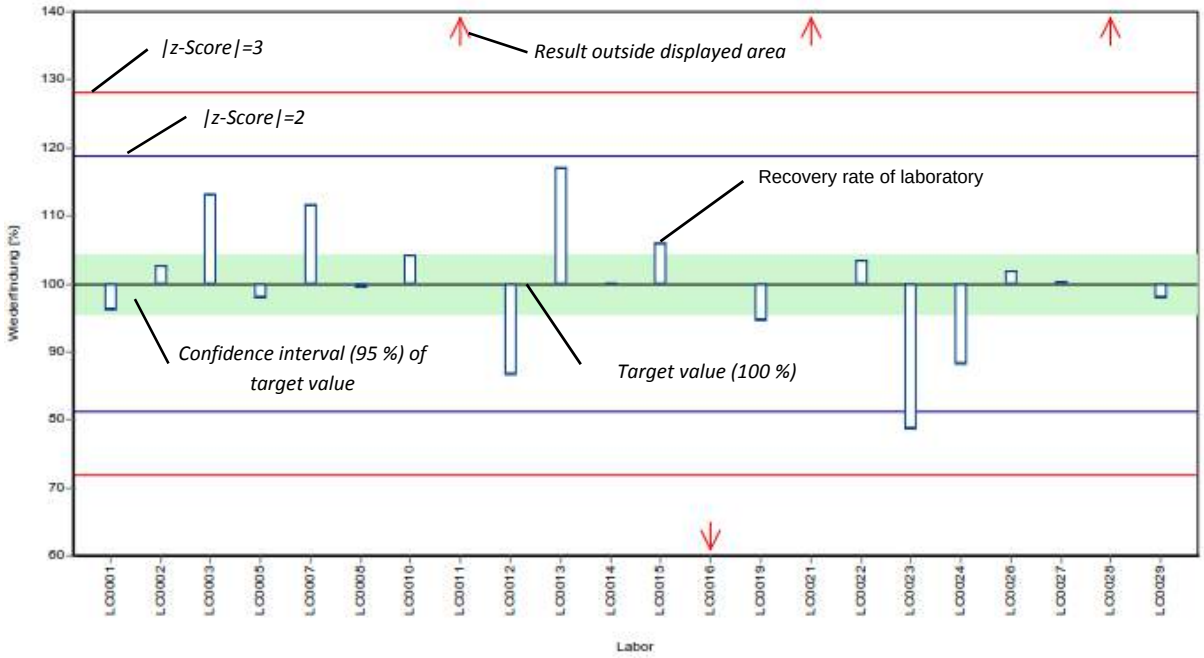
Standard deviation	Reproducibility standard deviation, calculated from the participants results (3 significant digits)
Rel. standard deviation	Reproducibility standard deviation, calculated from the participants results relative to the target value, given in %, (3 significant digits)
n	Number of results
Target value	Mean of the participants results, without outliers (3 significant digits), unless stated otherwise in section 4
Criteria	Criteria for z-Score calculation. The given value matches the reproducibility standard deviation, calculated from the participants' results, after removal of outliers (3 significant digits), unless stated otherwise in section 4.

5.2 Graphical presentation of results

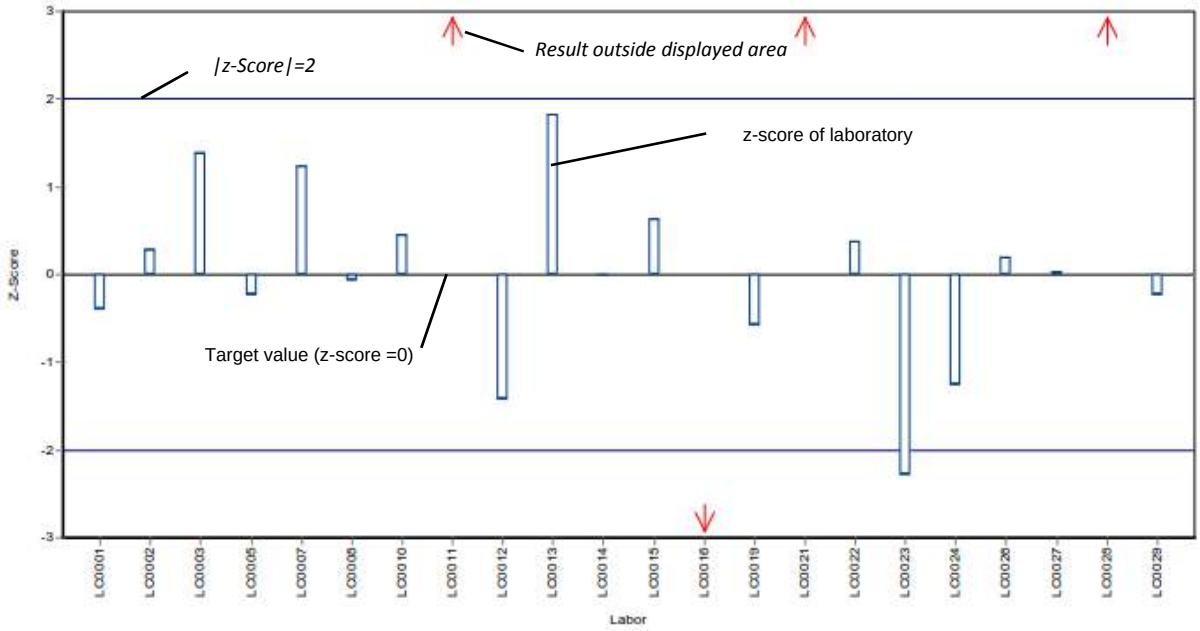
Example chart: Results



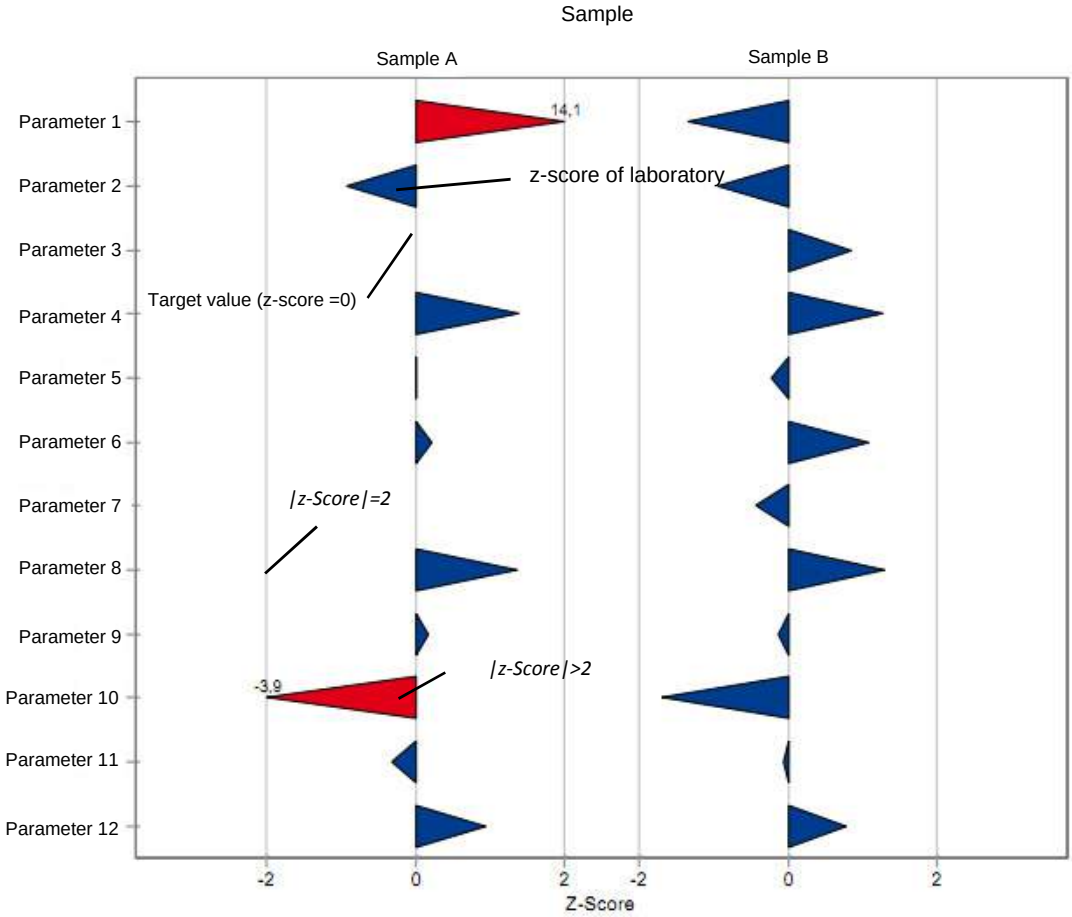
Example chart: Recovery



Example chart: z-score



Example chart: z-score - laboratory oriented report



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 %
2,6-Dichlorobenzamide	H100 A	µg/l	15	1	0.424	±	0.0518	0.304	0.559	0.0669	16
	H100 B	µg/l	14	2	0.809	±	0.0588	0.68	0.949	0.0734	9.1
Alachlor	H100 A	µg/l	8	0	0.367	±	0.0714	0.281	0.477	0.0673	18
	H100 B	µg/l	5	3	-	±	-	0.77	0.814	-	-
Atrazine	H100 A	µg/l	18	0	0.329	±	0.0149	0.3	0.374	0.0211	6.4
	H100 B	µg/l	18	0	0.636	±	0.0271	0.558	0.698	0.0383	6
Atrazine-desethyl	H100 A	µg/l	17	0	0.977	±	0.0738	0.76	1.22	0.101	10
	H100 B	µg/l	16	0	0.389	±	0.0254	0.32	0.463	0.0338	8.7
Atrazine-desethyl-desisopropyl	H100 A	µg/l	5	0	-	±	-	0.312	0.932	-	-
	H100 B	µg/l	3	2	-	±	-	0.633	0.693	-	-
Atrazine-desisopropyl	H100 A	µg/l	0	0	-	±	-	-	-	-	-
	H100 B	µg/l	15	1	0.557	±	0.0613	0.388	0.704	0.0791	14
Bromacil	H100 A	µg/l	9	0	0.46	±	0.0375	0.39	0.508	0.0375	8.1
	H100 B	µg/l	9	0	0.403	±	0.029	0.36	0.45	0.029	7.2
Chloridazon	H100 A	µg/l	14	0	0.246	±	0.0367	0.129	0.31	0.0458	19
	H100 B	µg/l	14	0	0.629	±	0.106	0.296	0.808	0.132	21
Chloridazon-desphenyl	H100 A	µg/l	10	1	0.167	±	0.0231	0.14	0.209	0.0243	15
	H100 B	µg/l	10	1	0.435	±	0.0609	0.35	0.559	0.0642	15
Chloridazon-methyl-desphenyl	H100 A	µg/l	8	1	0.0945	±	0.00989	0.078	0.104	0.00932	9.9
	H100 B	µg/l	7	0	0.0287	±	0.00374	0.024	0.034	0.0033	12
Clopyralid	H100 A	µg/l	5	1	-	±	-	0.371	0.509	-	-
	H100 B	µg/l	6	0	0.91	±	0.294	0.459	1.12	0.24	26
Cyanazine	H100 A	µg/l	12	1	0.809	±	0.078	0.65	0.946	0.09	11
	H100 B	µg/l	13	0	0.277	±	0.0244	0.229	0.323	0.0293	11
Dimethenamide	H100 A	µg/l	7	1	0.253	±	0.0224	0.229	0.283	0.0198	7.8
	H100 B	µg/l	7	1	0.163	±	0.0139	0.141	0.175	0.0123	7.5
Diuron	H100 A	µg/l	14	1	0.721	±	0.0662	0.576	0.924	0.0825	11

Summary of results, after removal of outliers: Pesticides H100

Parameter	Sample	Unit	Number of results for calculation	Number of outliers	Mean	±	CI (99%)	Minimum	Maximum	SD	RSD %
Diuron	H100 B	µg/l	0	0	-	±	-	-	-	-	-
Metolachlor	H100 A	µg/l	13	2	0.499	±	0.045	0.39	0.57	0.0541	11
	H100 B	µg/l	14	1	0.501	±	0.0546	0.405	0.672	0.0681	14
N,N-Dimethylsulfamide (DMS)	H100 A	µg/l	6	3	0.315	±	0.0222	0.281	0.33	0.0181	5.8
	H100 B	µg/l	7	2	0.943	±	0.0849	0.81	1.03	0.0749	7.9
Nicosulfurone	H100 A	µg/l	10	0	0.209	±	0.0343	0.154	0.269	0.0362	17
	H100 B	µg/l	9	1	0.649	±	0.112	0.493	0.859	0.112	17
Prometryn	H100 A	µg/l	8	3	0.737	±	0.0261	0.691	0.775	0.0246	3.3
	H100 B	µg/l	11	0	0.296	±	0.0277	0.238	0.338	0.0306	10
Propazine	H100 A	µg/l	15	0	0.198	±	0.0184	0.155	0.231	0.0237	12
	H100 B	µg/l	13	2	0.203	±	0.0209	0.161	0.25	0.0251	12
Sebuthylazine	H100 A	µg/l	0	0	-	±	-	-	-	-	-
	H100 B	µg/l	9	1	0.434	±	0.02	0.395	0.454	0.02	4.6
Simazine	H100 A	µg/l	16	1	0.138	±	0.0119	0.105	0.169	0.0159	11
	H100 B	µg/l	16	1	0.215	±	0.0167	0.179	0.26	0.0222	10
Terbuthylazine	H100 A	µg/l	18	0	0.161	±	0.0131	0.123	0.194	0.0185	12
	H100 B	µg/l	18	0	0.782	±	0.0652	0.666	1.05	0.0922	12
Terbuthylazin-desethyl	H100 A	µg/l	13	0	0.848	±	0.0899	0.66	1.02	0.108	13
	H100 B	µg/l	13	0	0.43	±	0.0495	0.347	0.518	0.0595	14
Terbutryn	H100 A	µg/l	15	0	0.77	±	0.0585	0.652	0.916	0.0756	9.8
	H100 B	µg/l	15	0	0.754	±	0.0595	0.616	0.874	0.0768	10

7 Parameter oriented report

Parameter oriented report

H100 A

2,6-Dichlorobenzamide

Unit	µg/l
Mean ± CI (99%)	0.424 ± 0.0518
Minimum - Maximum	0.304 - 0.559
Control test value ± U	0.376 ± 0.0602

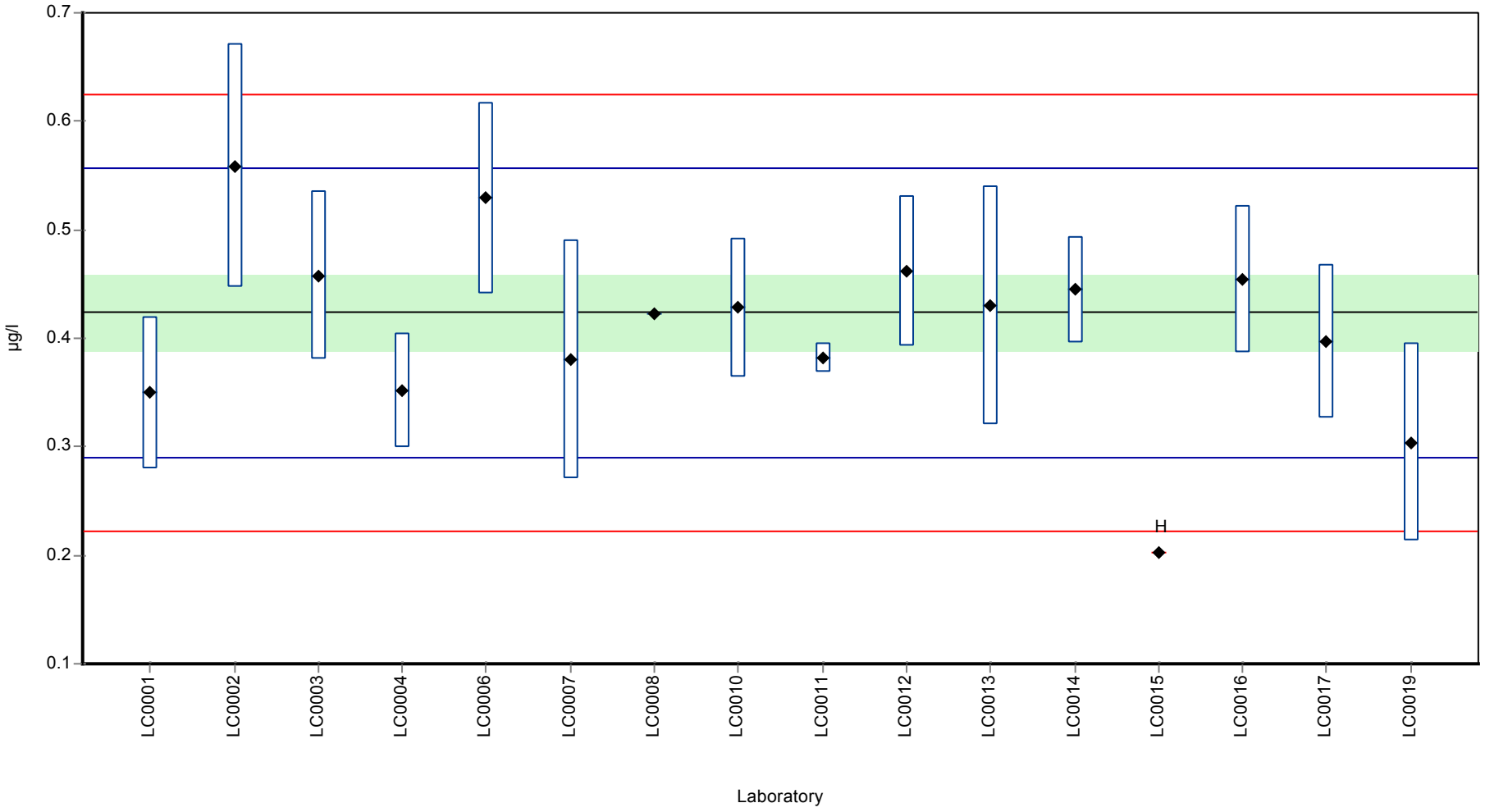
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.35	0.07	82.6	-1.1	
LC0002	0.559	0.112	132	2.02	
LC0003	0.458	0.078	108	0.52	
LC0004	0.352	0.053	83.1	-1.07	
LC0005	-	-	-	-	
LC0006	0.529	0.088	125	1.58	
LC0007	0.38	0.11	89.7	-0.65	
LC0008	0.423	-	99.9	-0.01	
LC0009	-	-	-	-	
LC0010	0.428	0.064	101	0.07	
LC0011	0.382	0.014	90.2	-0.62	
LC0012	0.462	0.0693	109	0.57	
LC0013	0.43	0.11	102	0.1	
LC0014	0.445	0.049	105	0.32	
LC0015	0.202	-	47.7	-3.31	H
LC0016	0.454	0.068	107	0.46	
LC0017	0.397	0.071	93.7	-0.4	
LC0018	-	-	-	-	
LC0019	0.304	0.0912	71.8	-1.79	

Characteristics of parameter

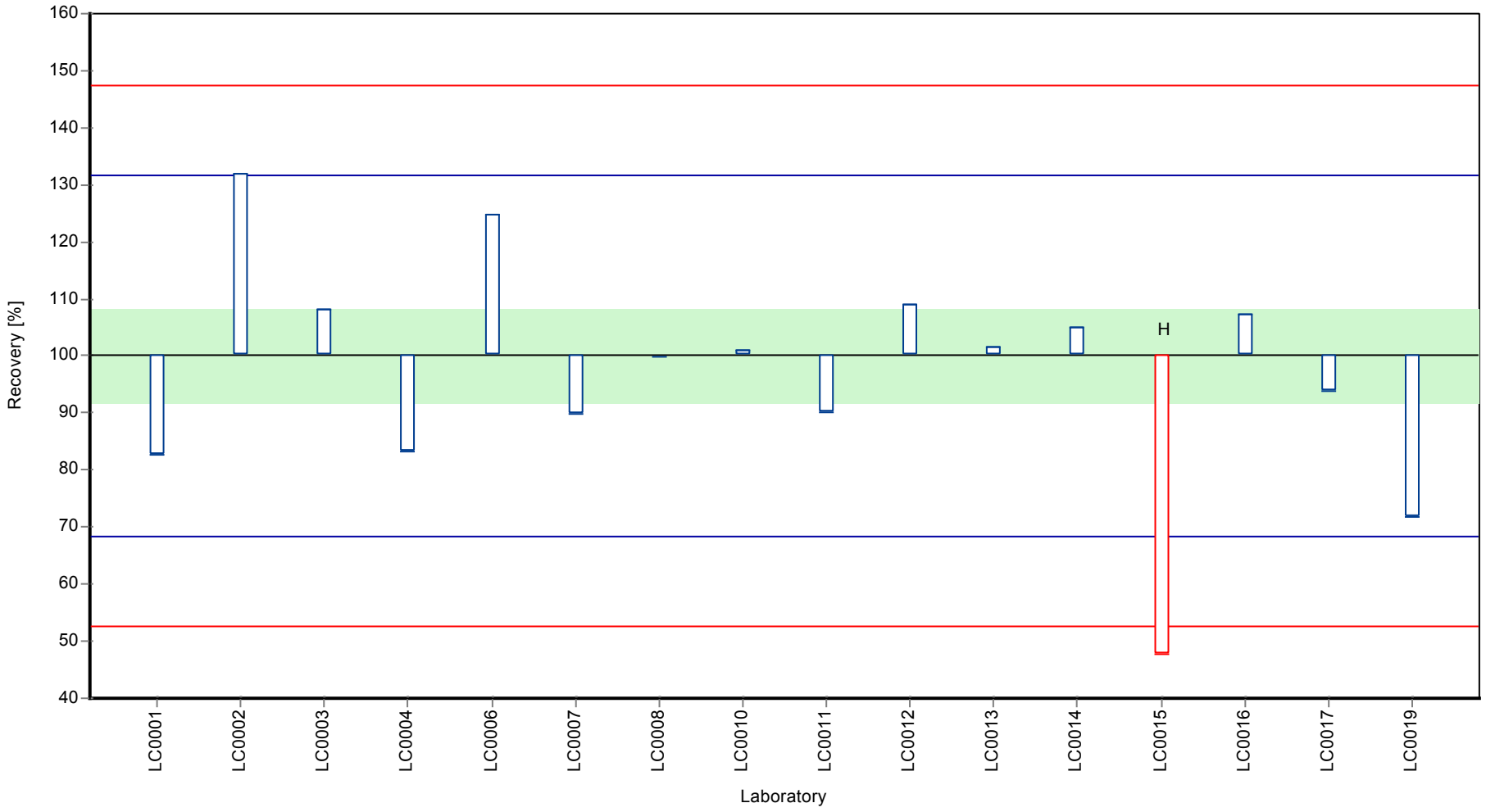
	all results	without outliers	Unit
Mean ± CI (99%)	0.41 ± 0.0639	0.424 ± 0.0518	µg/l
Minimum	0.202	0.304	µg/l
Maximum	0.559	0.559	µg/l
Standard deviation	0.0851	0.0669	µg/l
rel. Standard deviation	20.8	15.8	%
n	16	15	-

Graphical presentation of results

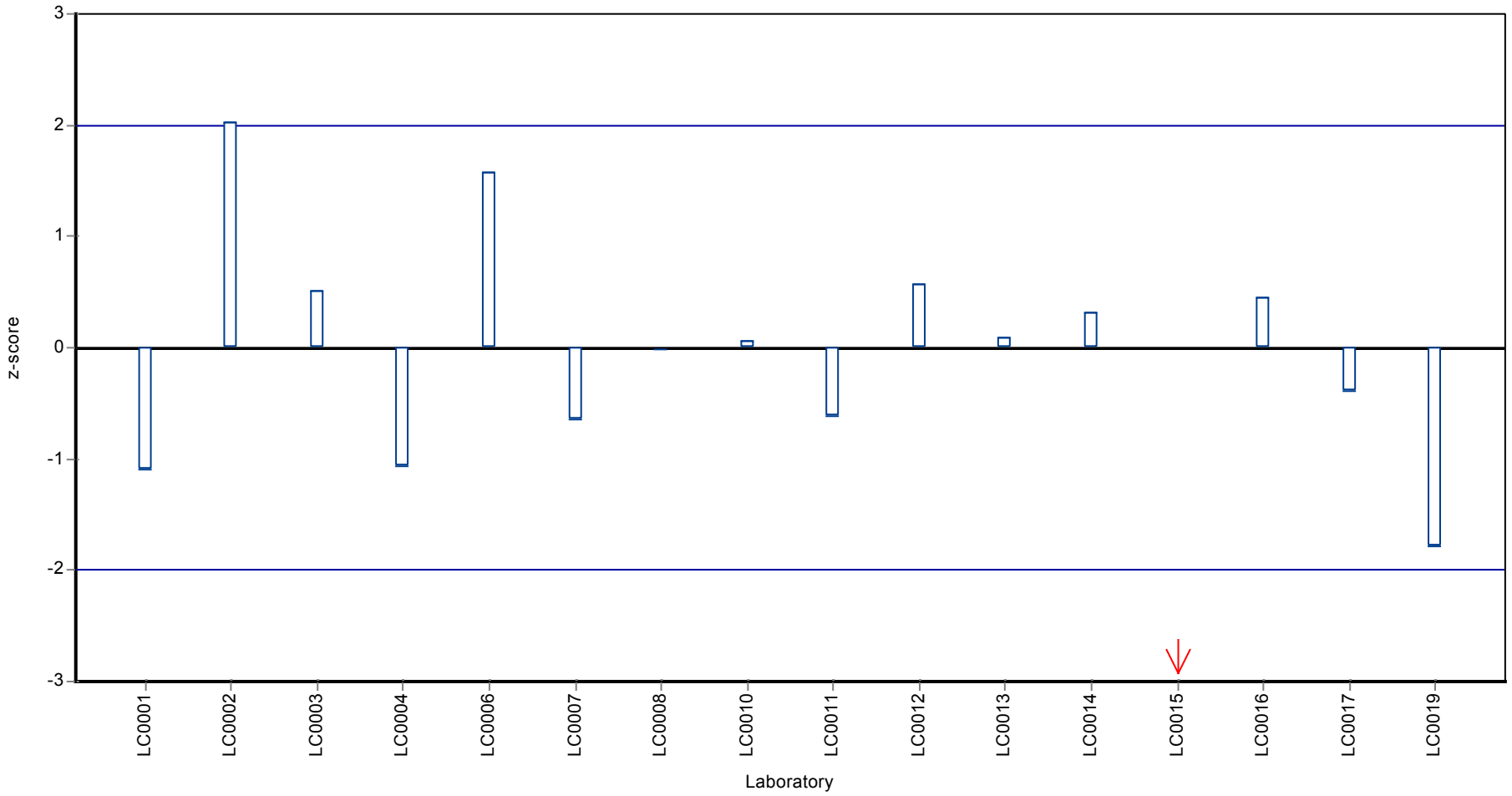
Results



Recovery rate



Z-score


3
2
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0
-1
-2
-3
z-score
LC0001
LC0002
LC0003
LC0004
LC0006
LC0007
LC0008
LC0010
LC0011
LC0012
LC0013
LC0014
LC0015
LC0016
LC0017
LC0019
Laboratory

Parameter oriented report

H100 B

2,6-Dichlorobenzamide

Unit	µg/l
Mean ± CI (99%)	0.809 ± 0.0588
Minimum - Maximum	0.68 - 0.949
Control test value ± U	0.768 ± 0.123

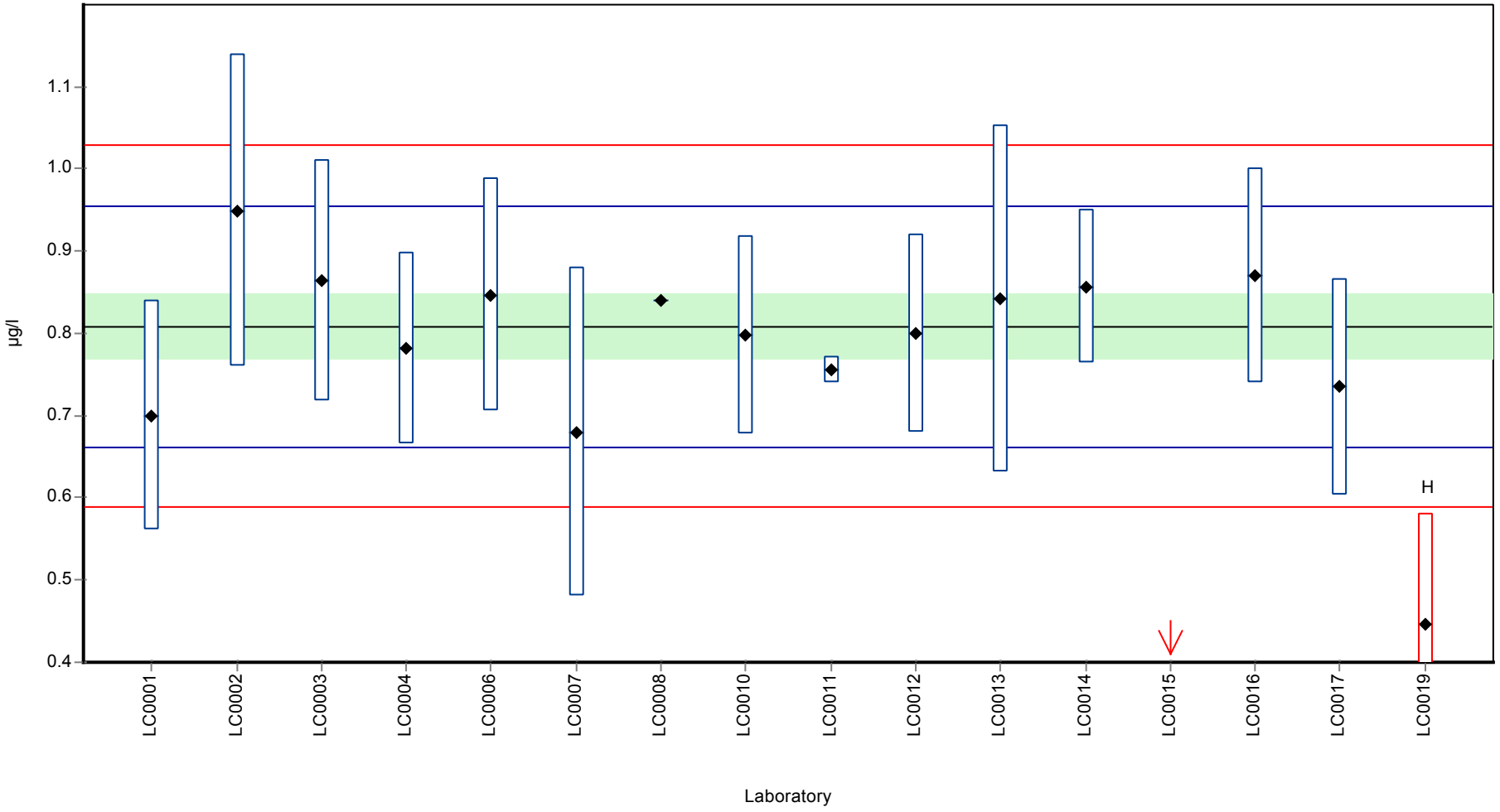
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.7	0.14	86.6	-1.48	
LC0002	0.949	0.19	117	1.91	
LC0003	0.865	0.147	107	0.77	
LC0004	0.782	0.117	96.7	-0.36	
LC0005	-	-	-	-	
LC0006	0.847	0.141	105	0.52	
LC0007	0.68	0.2	84.1	-1.75	
LC0008	0.84	-	104	0.43	
LC0009	-	-	-	-	
LC0010	0.798	0.12	98.7	-0.14	
LC0011	0.756	0.016	93.5	-0.72	
LC0012	0.8	0.12	98.9	-0.12	
LC0013	0.842	0.211	104	0.46	
LC0014	0.857	0.094	106	0.66	
LC0015	0.303	-	37.5	-6.89	H
LC0016	0.87	0.131	108	0.84	
LC0017	0.735	0.132	90.9	-1	
LC0018	-	-	-	-	
LC0019	0.447	0.1341	55.3	-4.93	H

Characteristics of parameter

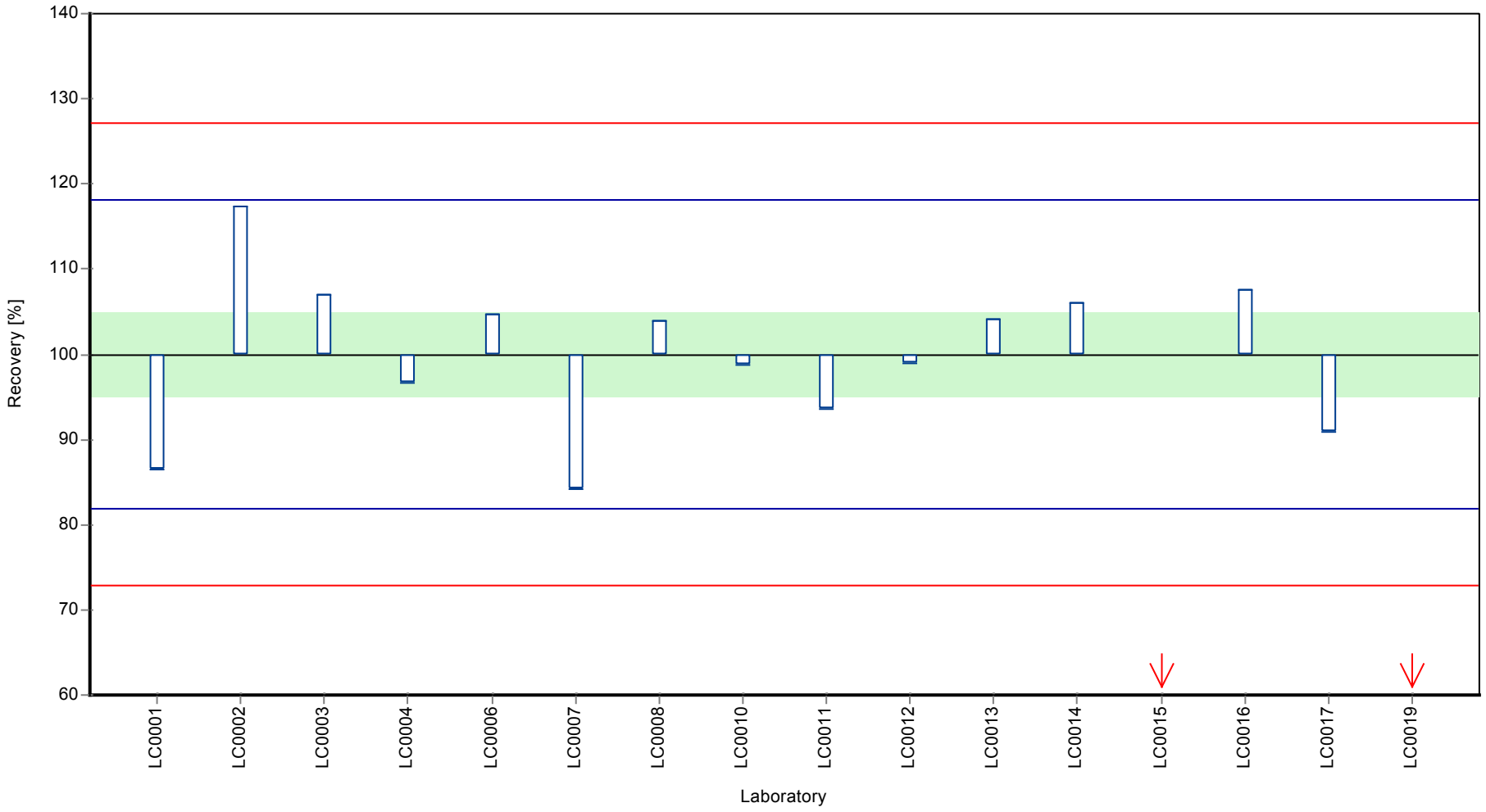
	all results	without outliers	Unit
Mean ± CI (99%)	0.754 ± 0.124	0.809 ± 0.0588	µg/l
Minimum	0.303	0.68	µg/l
Maximum	0.949	0.949	µg/l
Standard deviation	0.165	0.0734	µg/l
rel. Standard deviation	21.9	9.07	%
n	16	14	-

Graphical presentation of results

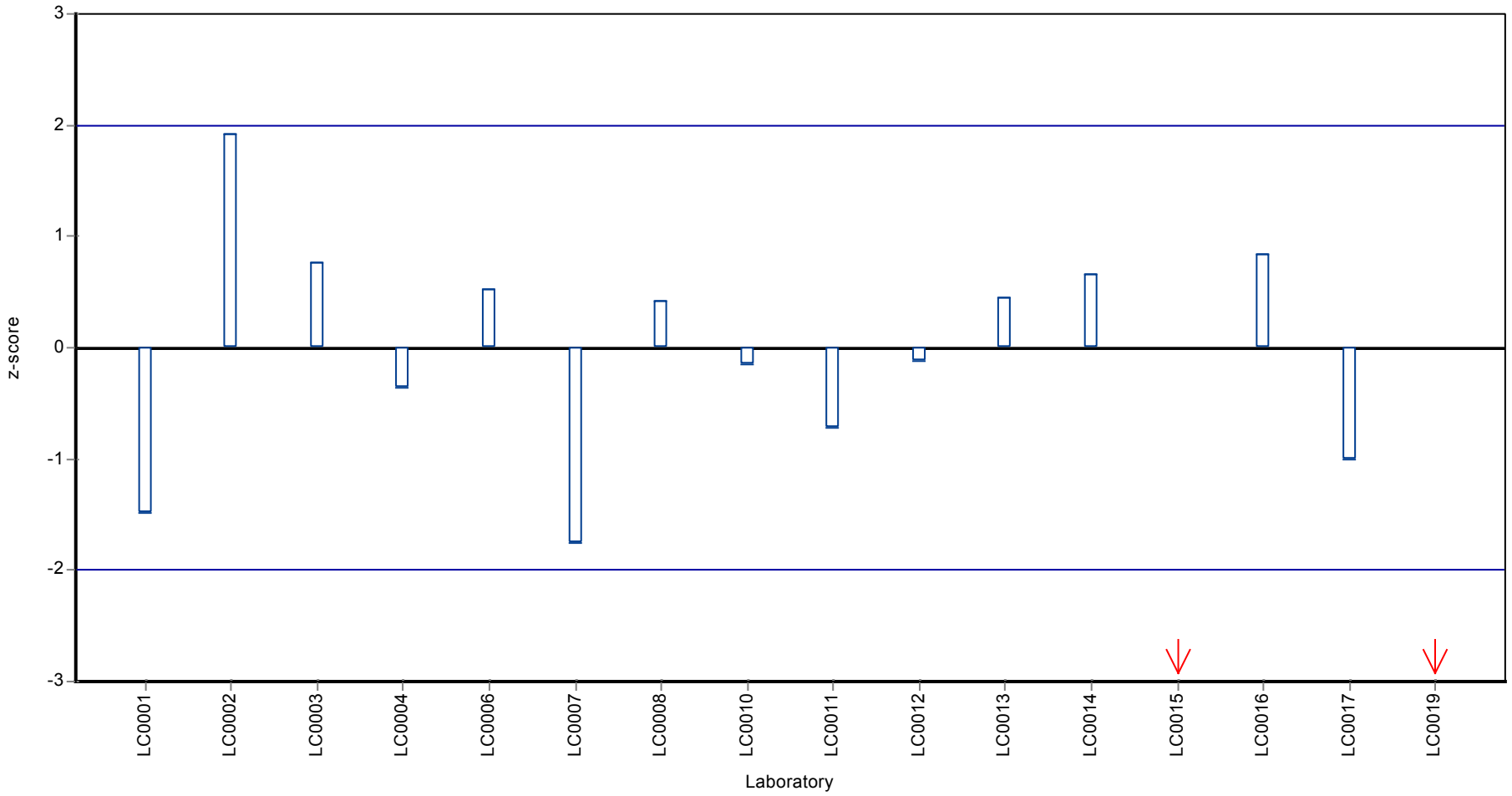
Results



Recovery rate



Z-score


3
2
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0
-1
-2
-3
z-score
LC0001
LC0002
LC0003
LC0004
LC0006
LC0007
LC0008
LC0010
LC0011
LC0012
LC0013
LC0014
LC0015
LC0016
LC0017
LC0019
Laboratory

Parameter oriented report

H100 A

Alachlor

Unit	µg/l
Mean ± CI (99%)	0.367 ± 0.0714
Minimum - Maximum	0.281 - 0.477
Control test value ± U	0.308 ± 0.0493

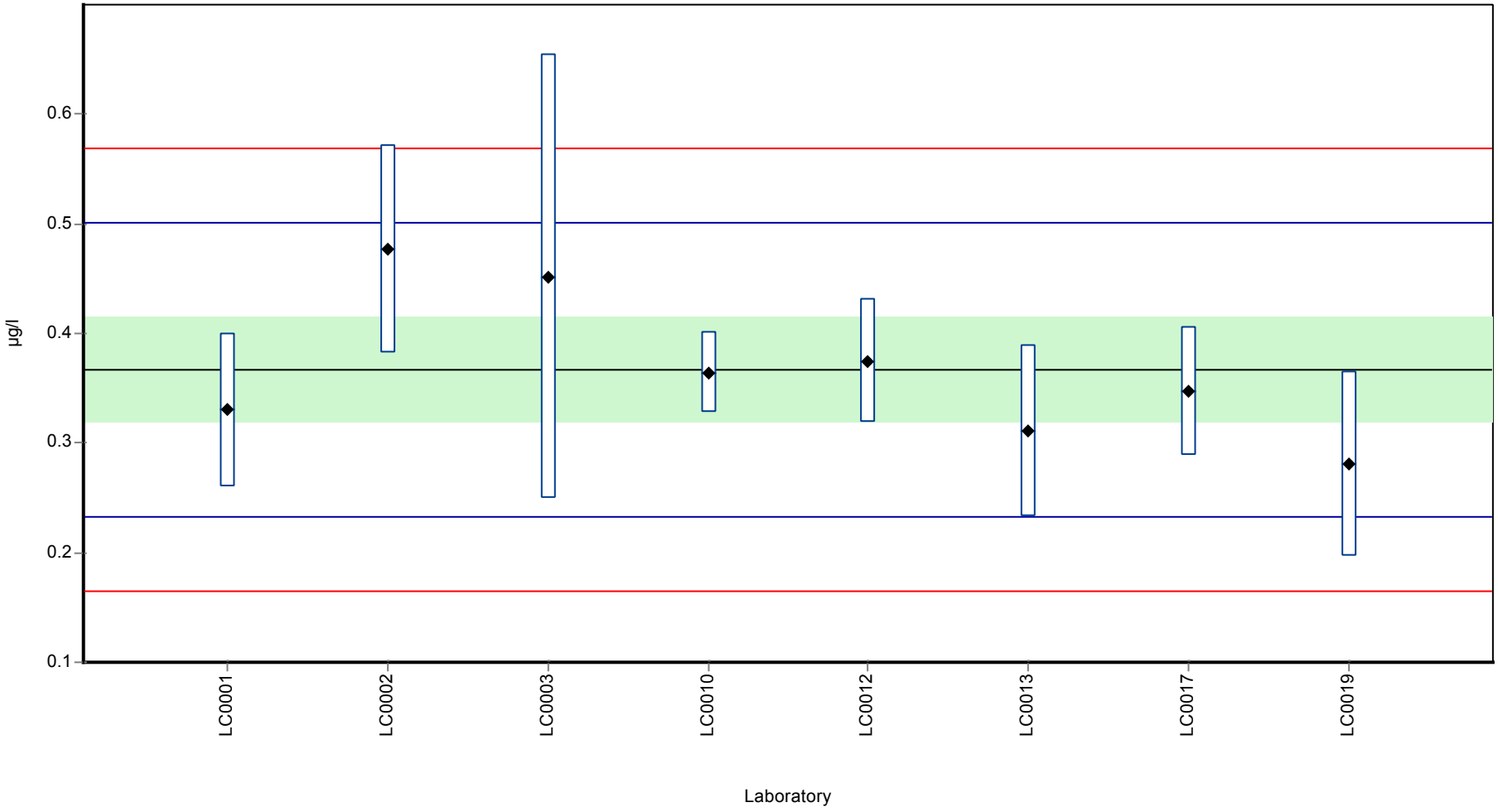
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.33	0.07	89.9	-0.55	
LC0002	0.477	0.095	130	1.63	
LC0003	0.452	0.203	123	1.26	
LC0004	-	-	-	-	
LC0005	-	-	-	-	
LC0006	-	-	-	-	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	-	-	-	-	
LC0010	0.364	0.037	99.1	-0.05	
LC0011	-	-	-	-	
LC0012	0.375	0.05625	102	0.12	
LC0013	0.311	0.078	84.7	-0.83	
LC0014	-	-	-	-	
LC0015	-	-	-	-	
LC0016	-	-	-	-	
LC0017	0.347	0.059	94.5	-0.3	
LC0018	-	-	-	-	
LC0019	0.281	0.0843	76.5	-1.28	

Characteristics of parameter

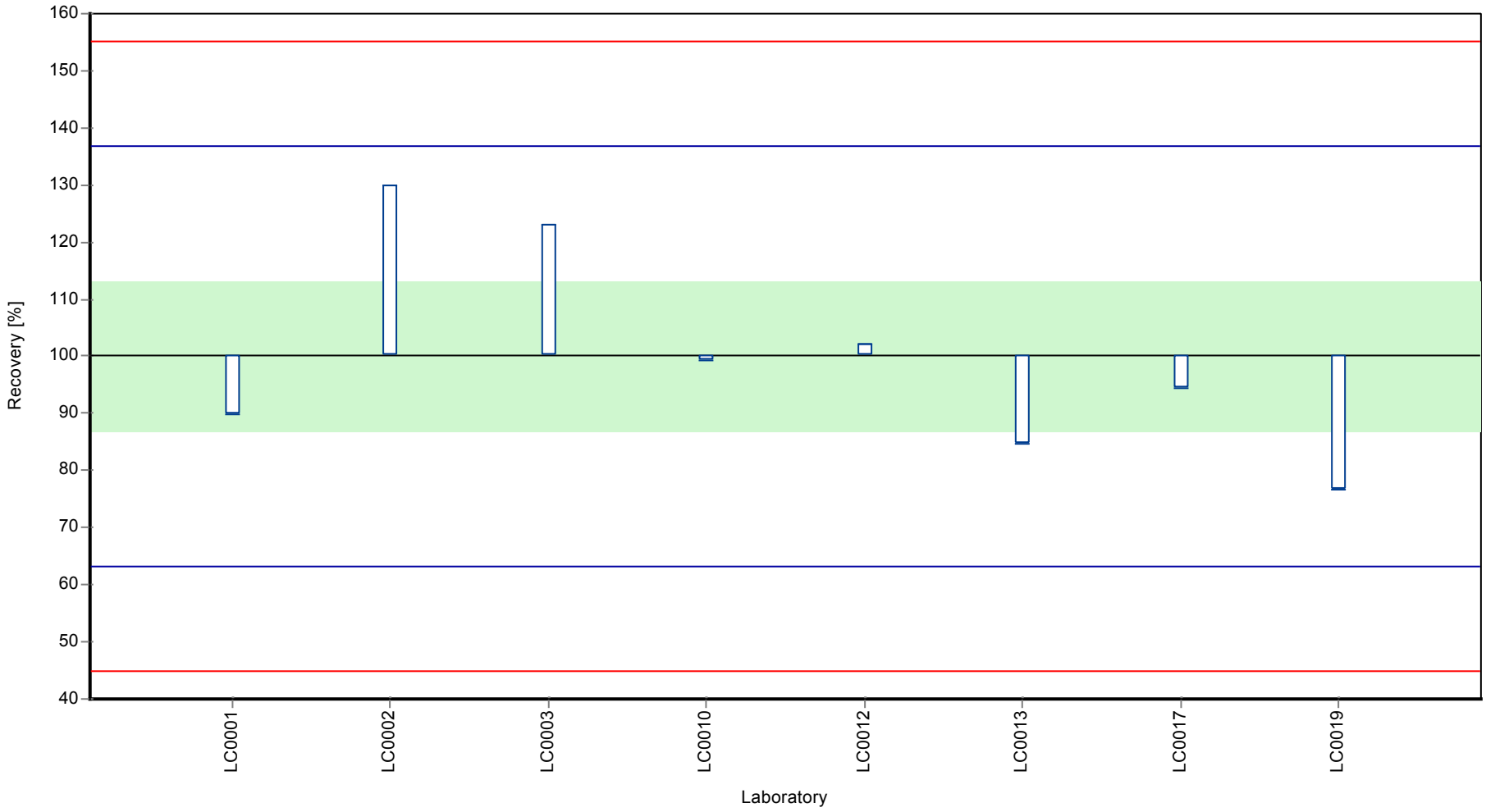
	all results	without outliers	Unit
Mean ± CI (99%)	0.367 ± 0.0714	0.367 ± 0.0714	µg/l
Minimum	0.281	0.281	µg/l
Maximum	0.477	0.477	µg/l
Standard deviation	0.0673	0.0673	µg/l
rel. Standard deviation	18.3	18.3	%
n	8	8	-

Graphical presentation of results

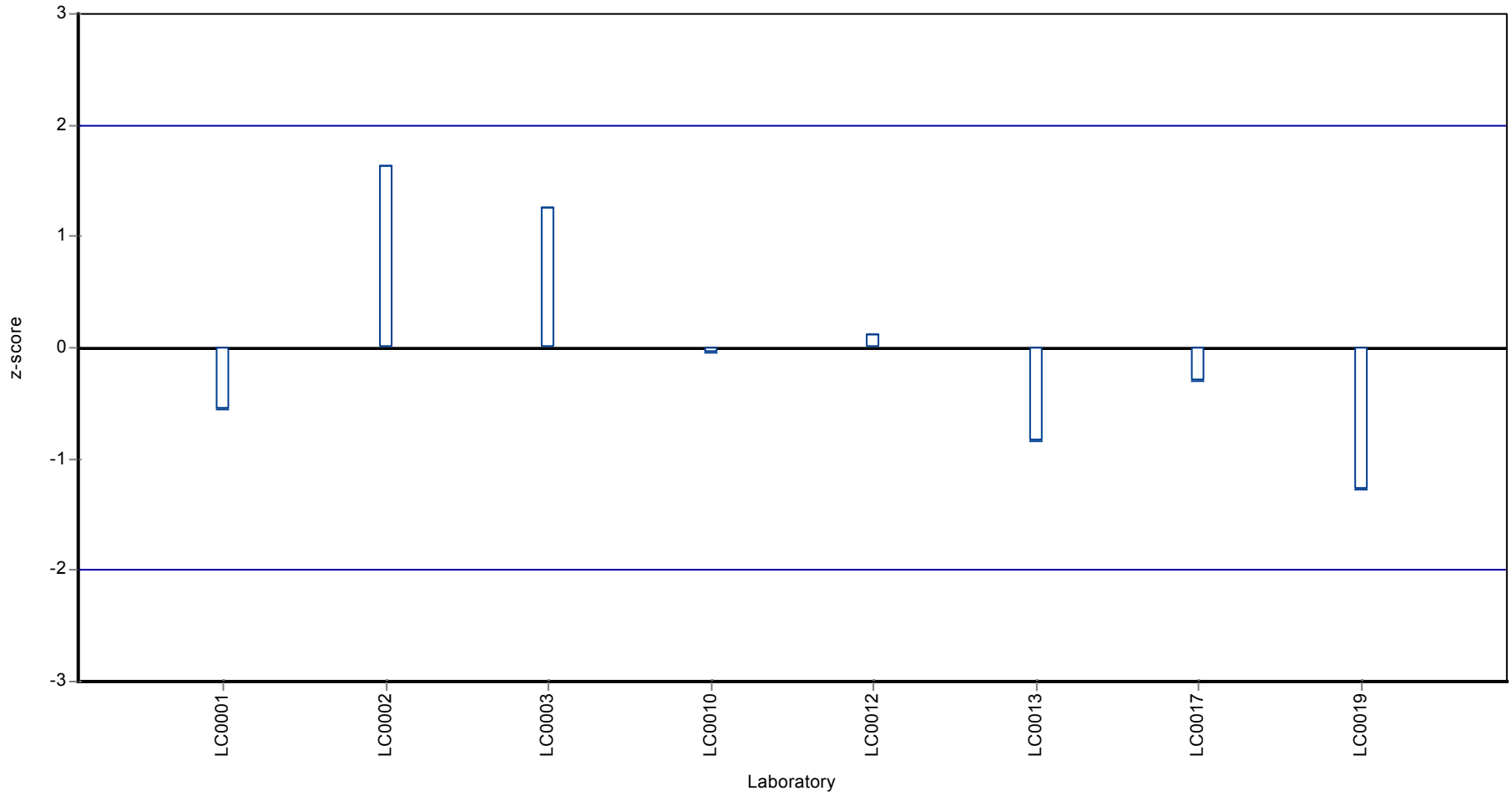
Results



Recovery rate



Z-score


3
2
1
0
-1
-2
-3
z-score
LC0001
LC0002
LC0003
LC0010
LC0012
LC0013
LC0017
LC0019
Laboratory

Parameter oriented report

H100 B

Alachlor

Unit	µg/l
Mean ± CI (99%)	-
Minimum - Maximum	0.77 - 0.814
Control test value ± U	0.807 ± 0.129

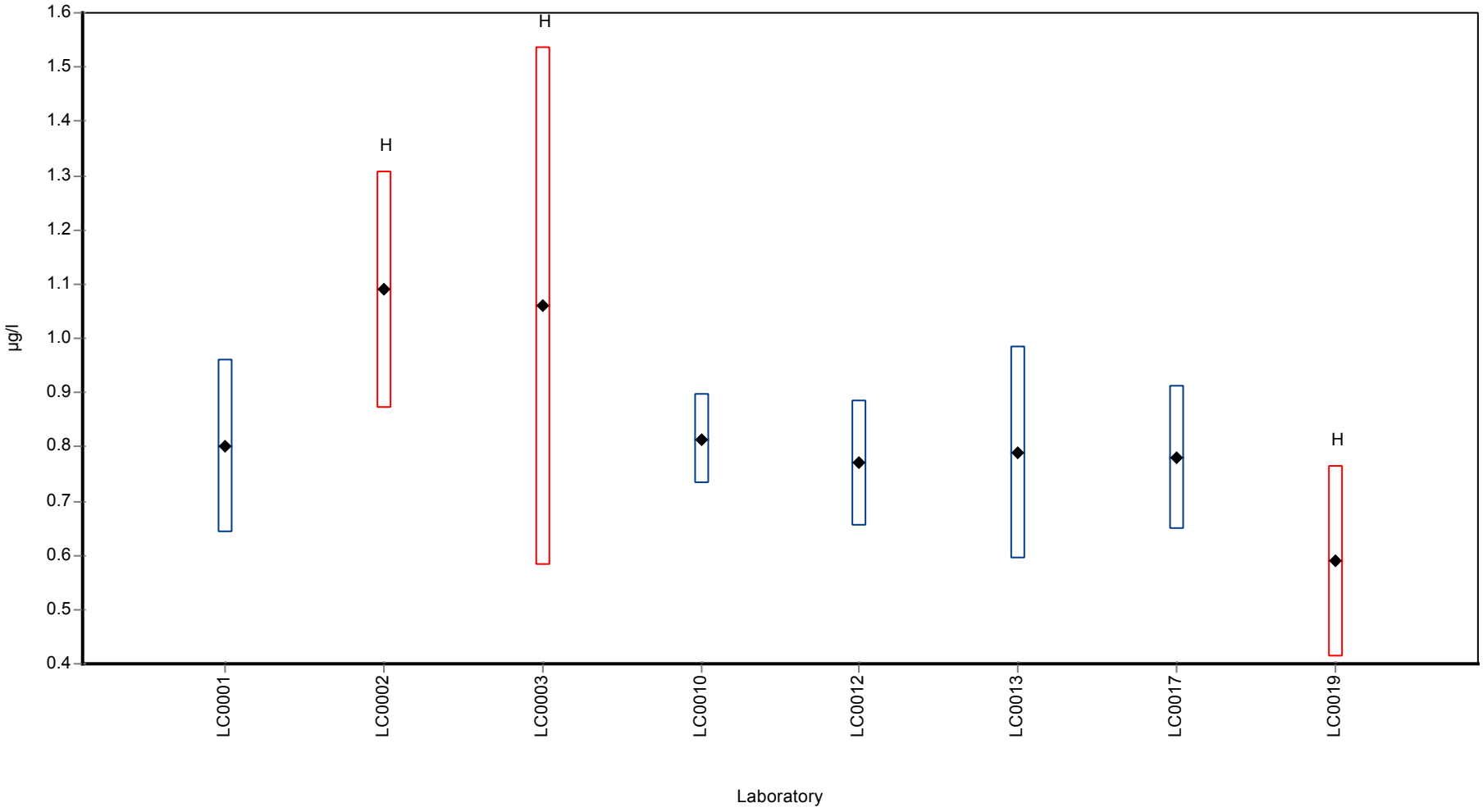
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.8	0.16	-	-	
LC0002	1.09	0.219	-	-	H
LC0003	1.059	0.477	-	-	H
LC0004	-	-	-	-	
LC0005	-	-	-	-	
LC0006	-	-	-	-	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	-	-	-	-	
LC0010	0.814	0.082	-	-	
LC0011	-	-	-	-	
LC0012	0.77	0.1155	-	-	
LC0013	0.789	0.197	-	-	
LC0014	-	-	-	-	
LC0015	-	-	-	-	
LC0016	-	-	-	-	
LC0017	0.78	0.133	-	-	
LC0018	-	-	-	-	
LC0019	0.589	0.1767	-	-	H

Characteristics of parameter

	all results	without outliers	Unit
Mean ± CI (99%)	0.836 ± 0.173	-	µg/l
Minimum	0.589	0.77	µg/l
Maximum	1.09	0.814	µg/l
Standard deviation	0.163	-	µg/l
rel. Standard deviation	19.5	-	%
n	8	5	-

Graphical presentation of results

Results



Parameter oriented report

H100 A

Atrazine

Unit	µg/l
Mean ± CI (99%)	0.329 ± 0.0149
Minimum - Maximum	0.3 - 0.374
Control test value ± U	0.299 ± 0.0478

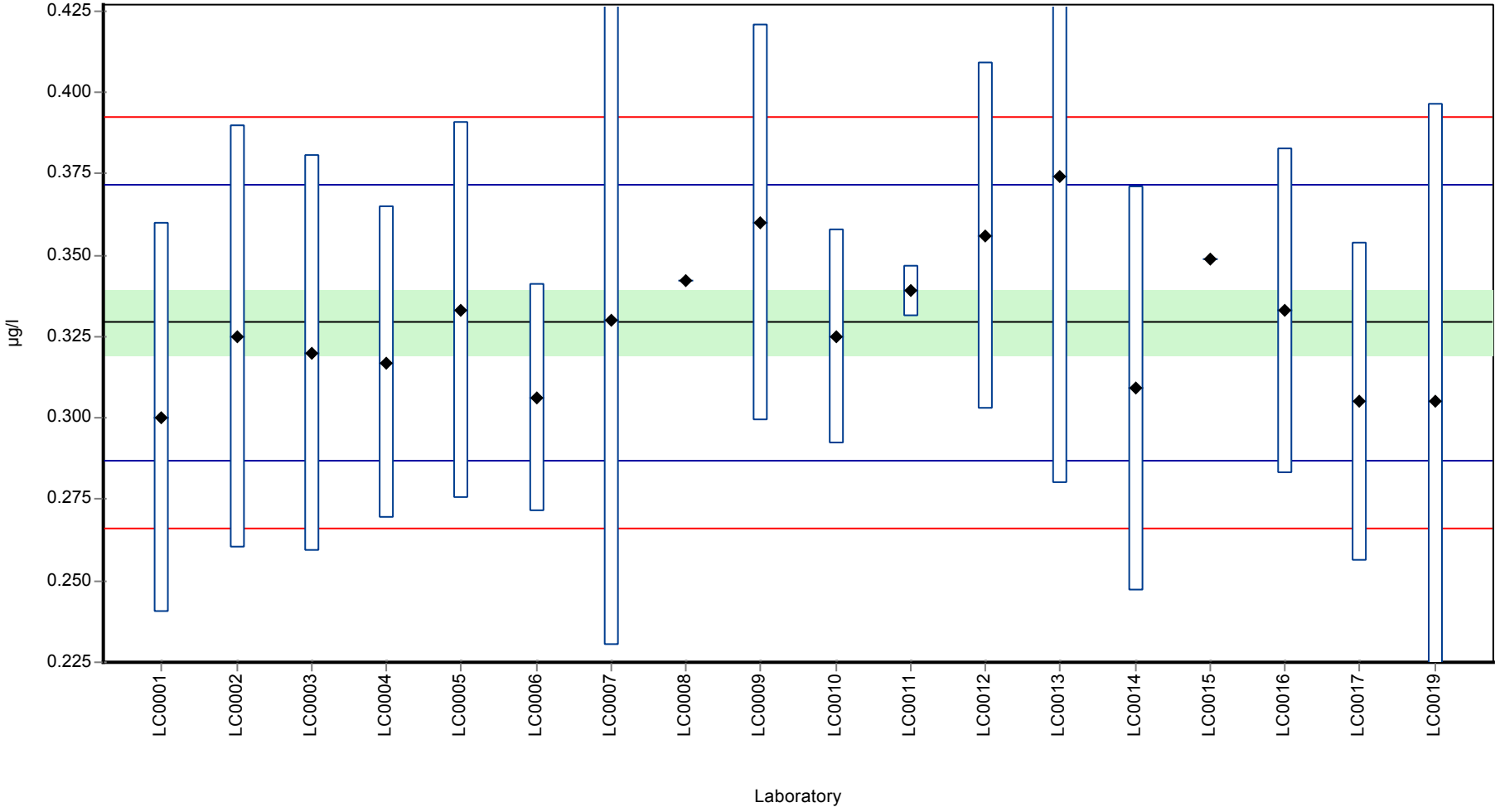
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.3	0.06	91.1	-1.39	
LC0002	0.325	0.065	98.7	-0.2	
LC0003	0.32	0.061	97.2	-0.44	
LC0004	0.317	0.048	96.3	-0.58	
LC0005	0.333	0.058	101	0.17	
LC0006	0.306	0.035	92.9	-1.1	
LC0007	0.33	0.1	100	0.03	
LC0008	0.342	-	104	0.6	
LC0009	0.36	0.061	109	1.45	
LC0010	0.325	0.033	98.7	-0.2	
LC0011	0.339	0.008	103	0.46	
LC0012	0.356	0.0534	108	1.26	
LC0013	0.374	0.094	114	2.11	
LC0014	0.309	0.062	93.8	-0.96	
LC0015	0.349	-	106	0.93	
LC0016	0.333	0.05	101	0.17	
LC0017	0.305	0.049	92.6	-1.15	
LC0018	-	-	-	-	
LC0019	0.305	0.0915	92.6	-1.15	

Characteristics of parameter

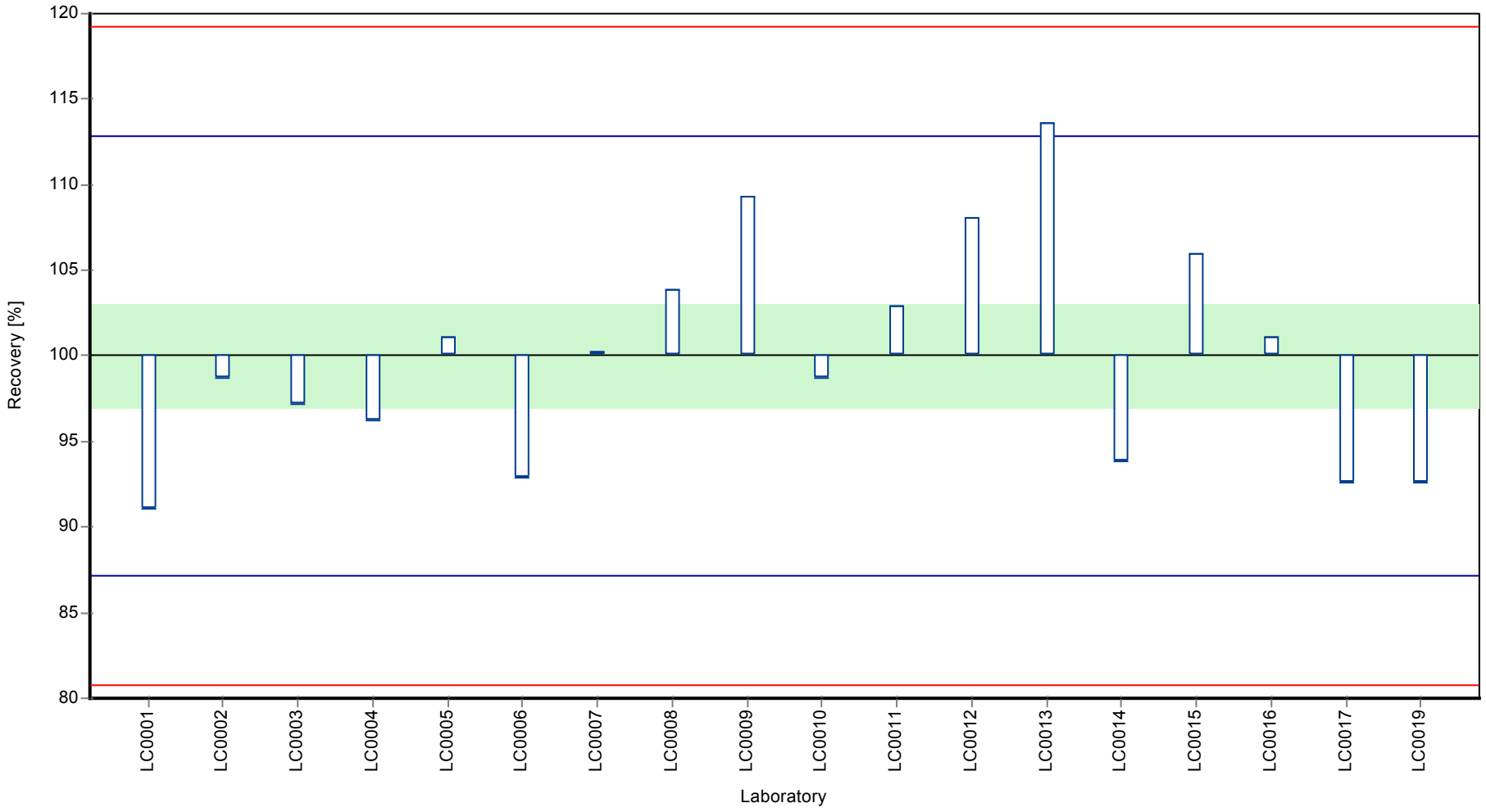
	all results	without outliers	Unit
Mean ± CI (99%)	0.329 ± 0.0149	0.329 ± 0.0149	µg/l
Minimum	0.3	0.3	µg/l
Maximum	0.374	0.374	µg/l
Standard deviation	0.0211	0.0211	µg/l
rel. Standard deviation	6.42	6.42	%
n	18	18	-

Graphical presentation of results

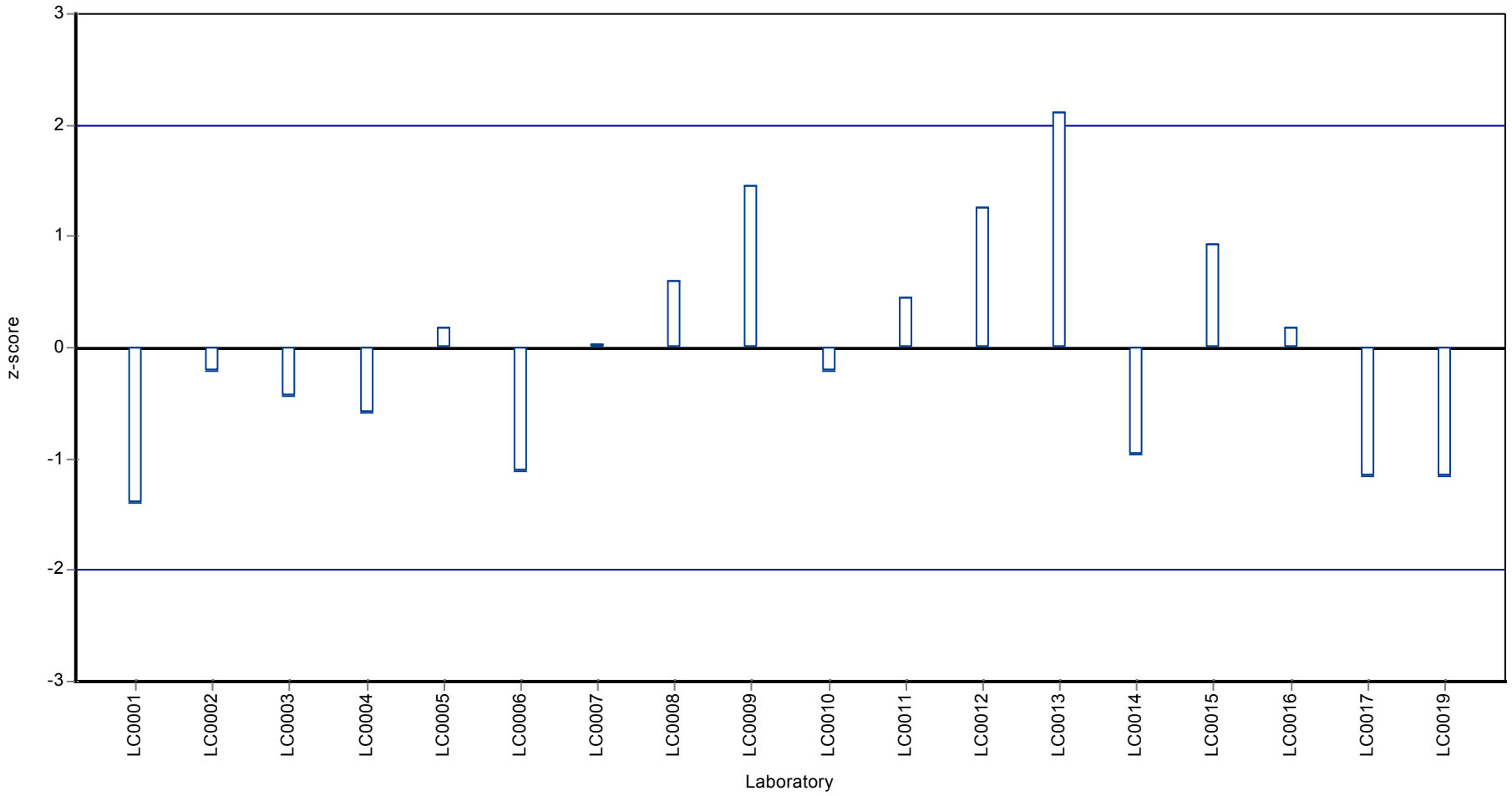
Results



Recovery rate



Z-score


3
2
1
0
-1
-2
-3
z-score
LC0001
LC0002
LC0003
LC0004
LC0005
LC0006
LC0007
LC0008
LC0009
LC0010
LC0011
LC0012
LC0013
LC0014
LC0015
LC0016
LC0017
LC0019
Laboratory

Parameter oriented report

H100 B

Atrazine

Unit	µg/l
Mean ± CI (99%)	0.636 ± 0.0271
Minimum - Maximum	0.558 - 0.698
Control test value ± U	0.578 ± 0.0924

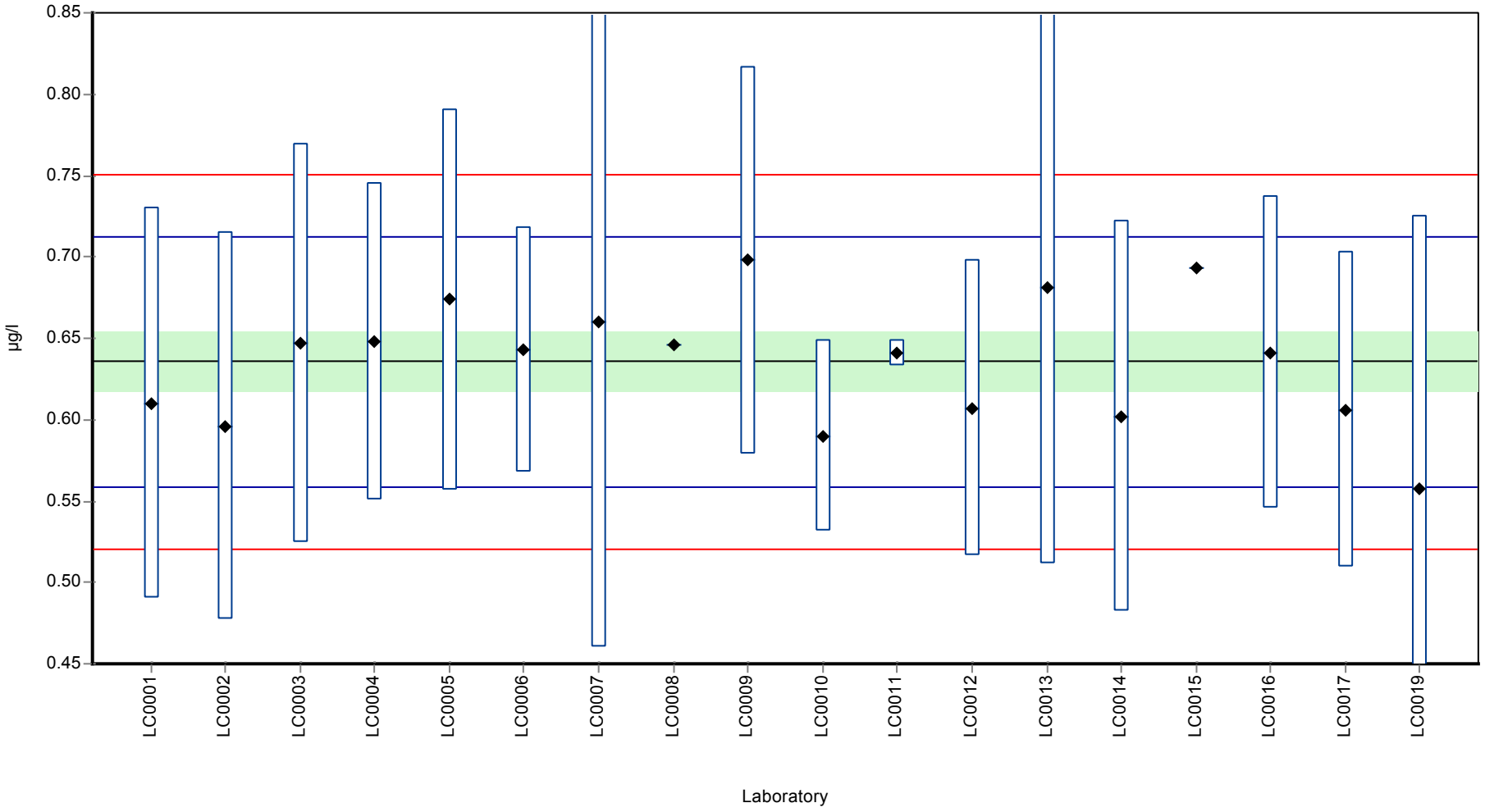
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.61	0.12	96	-0.67	
LC0002	0.596	0.119	93.8	-1.03	
LC0003	0.647	0.123	102	0.3	
LC0004	0.648	0.097	102	0.32	
LC0005	0.674	0.117	106	1	
LC0006	0.643	0.075	101	0.19	
LC0007	0.66	0.2	104	0.64	
LC0008	0.646	-	102	0.27	
LC0009	0.698	0.119	110	1.63	
LC0010	0.59	0.059	92.8	-1.19	
LC0011	0.641	0.008	101	0.14	
LC0012	0.607	0.09105	95.5	-0.75	
LC0013	0.681	0.17	107	1.18	
LC0014	0.602	0.12	94.7	-0.88	
LC0015	0.693	-	109	1.5	
LC0016	0.641	0.096	101	0.14	
LC0017	0.606	0.097	95.3	-0.77	
LC0018	-	-	-	-	
LC0019	0.558	0.1674	87.8	-2.02	

Characteristics of parameter

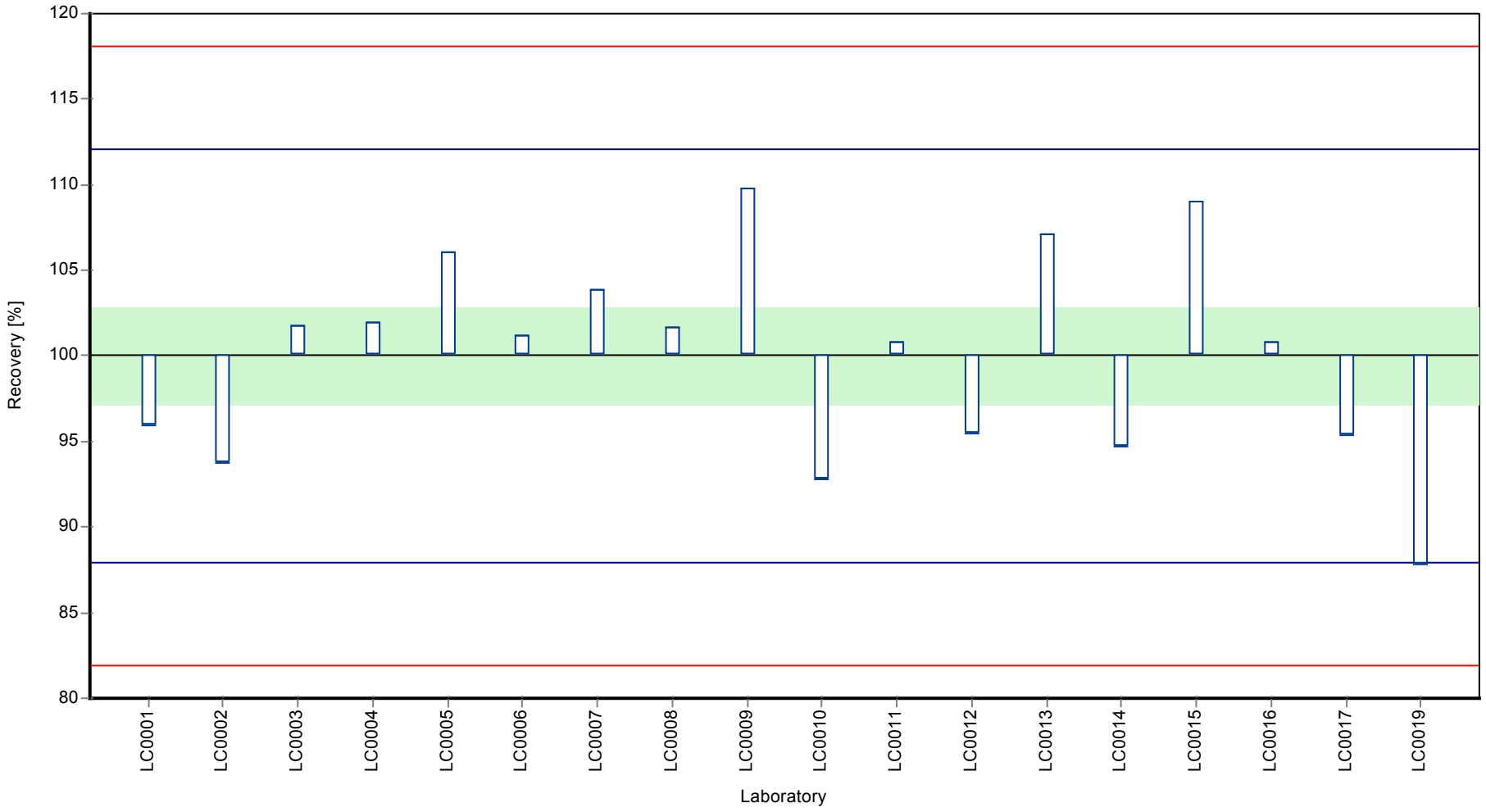
	all results	without outliers	Unit
Mean ± CI (99%)	0.636 ± 0.0271	0.636 ± 0.0271	µg/l
Minimum	0.558	0.558	µg/l
Maximum	0.698	0.698	µg/l
Standard deviation	0.0383	0.0383	µg/l
rel. Standard deviation	6.03	6.03	%
n	18	18	-

Graphical presentation of results

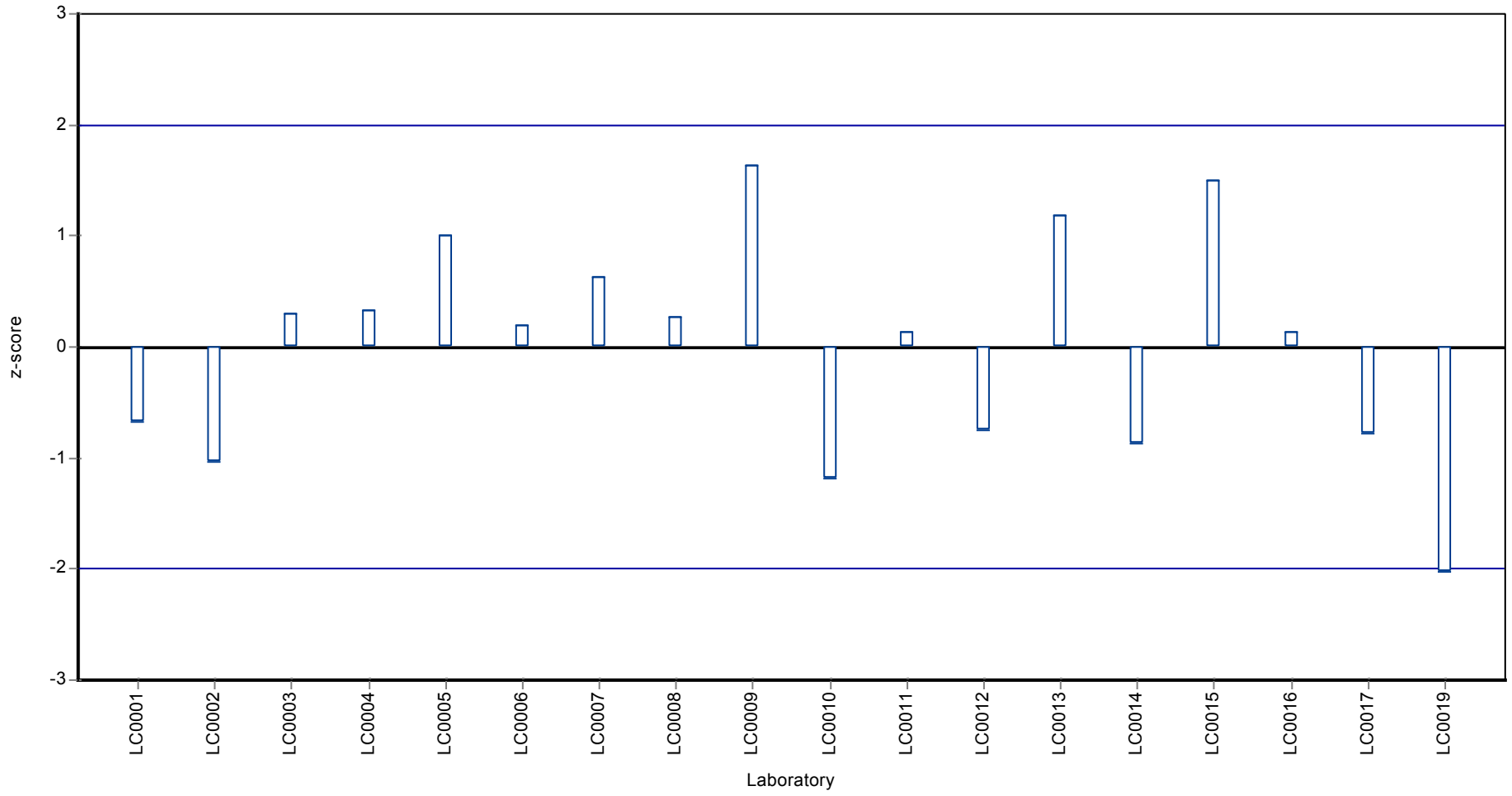
Results



Recovery rate



Z-score


3
2
1
0
-1
-2
-3
z-score
LC0001
LC0002
LC0003
LC0004
LC0005
LC0006
LC0007
LC0008
LC0009
LC0010
LC0011
LC0012
LC0013
LC0014
LC0015
LC0016
LC0017
LC0019
Laboratory

Parameter oriented report

H100 A

Atrazine-desethyl

Unit	µg/l
Mean ± CI (99%)	0.977 ± 0.0738
Minimum - Maximum	0.76 - 1.22
Control test value ± U	0.918 ± 0.147

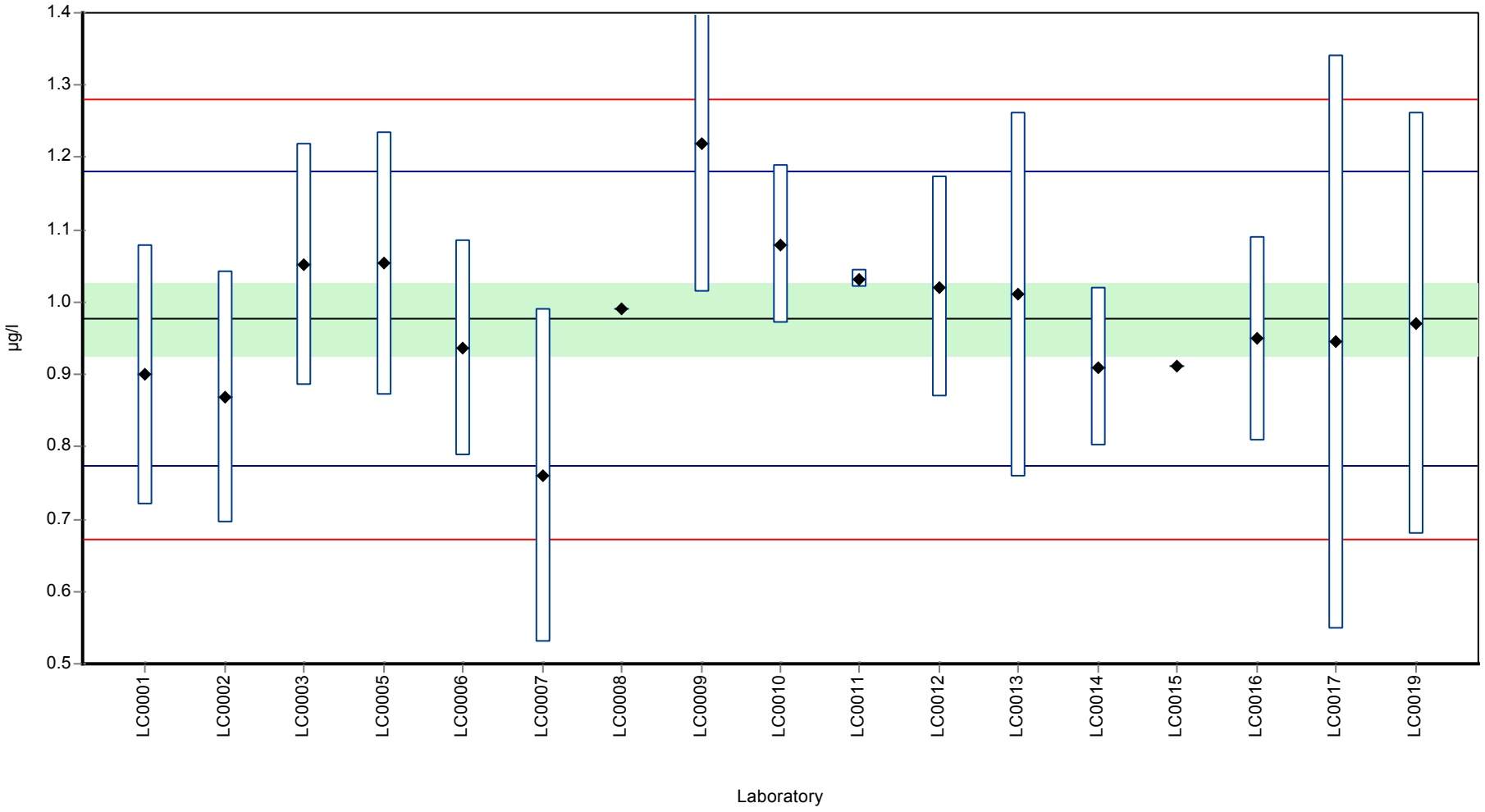
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.9	0.18	92.1	-0.76	
LC0002	0.868	0.174	88.8	-1.07	
LC0003	1.052	0.168	108	0.74	
LC0004	-	-	-	-	
LC0005	1.053	0.183	108	0.75	
LC0006	0.936	0.149	95.8	-0.4	
LC0007	0.76	0.23	77.8	-2.14	
LC0008	0.99	-	101	0.13	
LC0009	1.22	0.207	125	2.4	
LC0010	1.08	0.11	111	1.02	
LC0011	1.032	0.013	106	0.54	
LC0012	1.021	0.15315	105	0.43	
LC0013	1.01	0.253	103	0.33	
LC0014	0.91	0.109	93.1	-0.66	
LC0015	0.912	-	93.4	-0.64	
LC0016	0.949	0.142	97.1	-0.28	
LC0017	0.945	0.397	96.7	-0.32	
LC0018	-	-	-	-	
LC0019	0.97	0.291	99.3	-0.07	

Characteristics of parameter

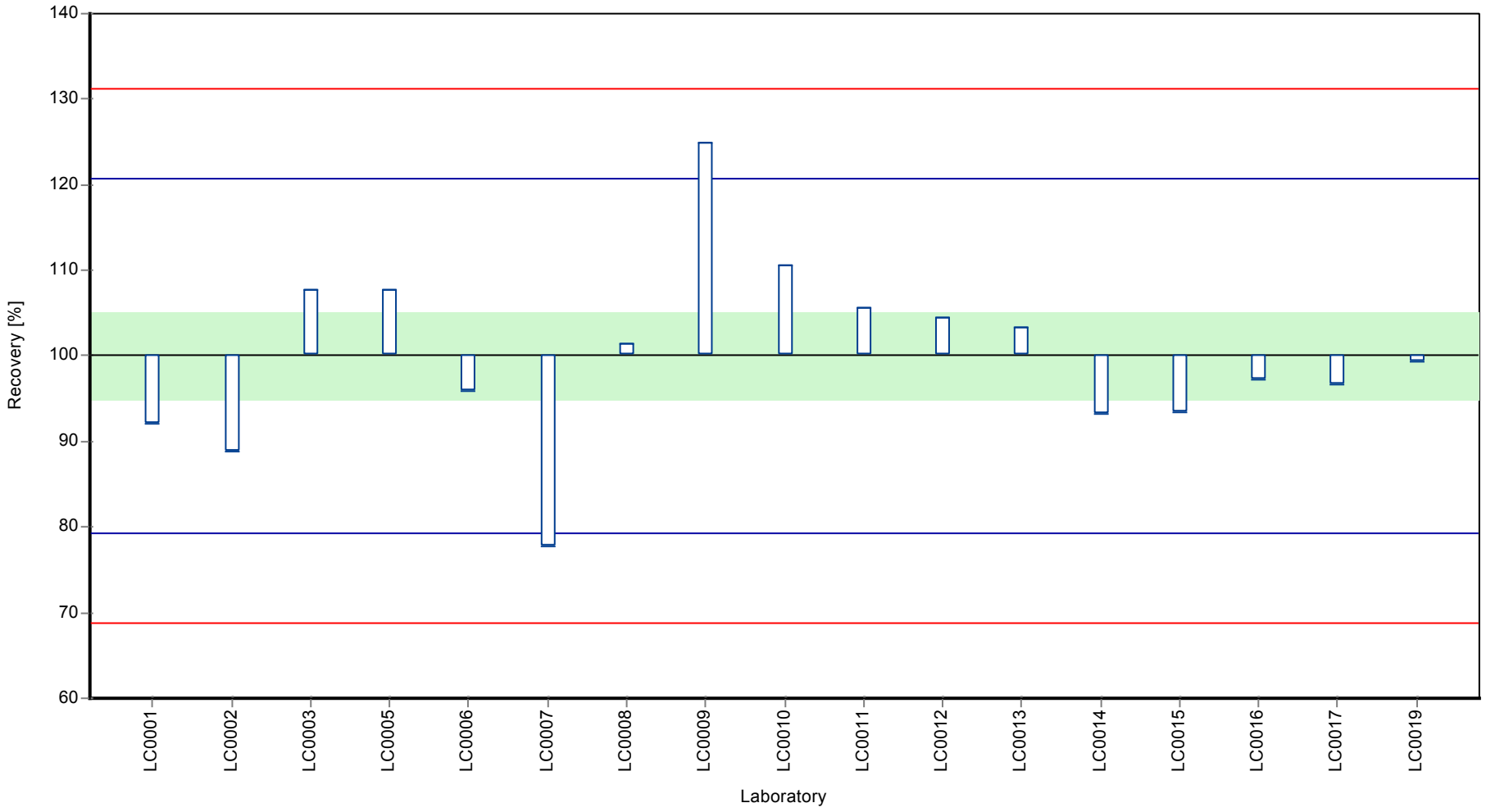
	all results	without outliers	Unit
Mean ± CI (99%)	0.977 ± 0.0738	0.977 ± 0.0738	µg/l
Minimum	0.76	0.76	µg/l
Maximum	1.22	1.22	µg/l
Standard deviation	0.101	0.101	µg/l
rel. Standard deviation	10.4	10.4	%
n	17	17	-

Graphical presentation of results

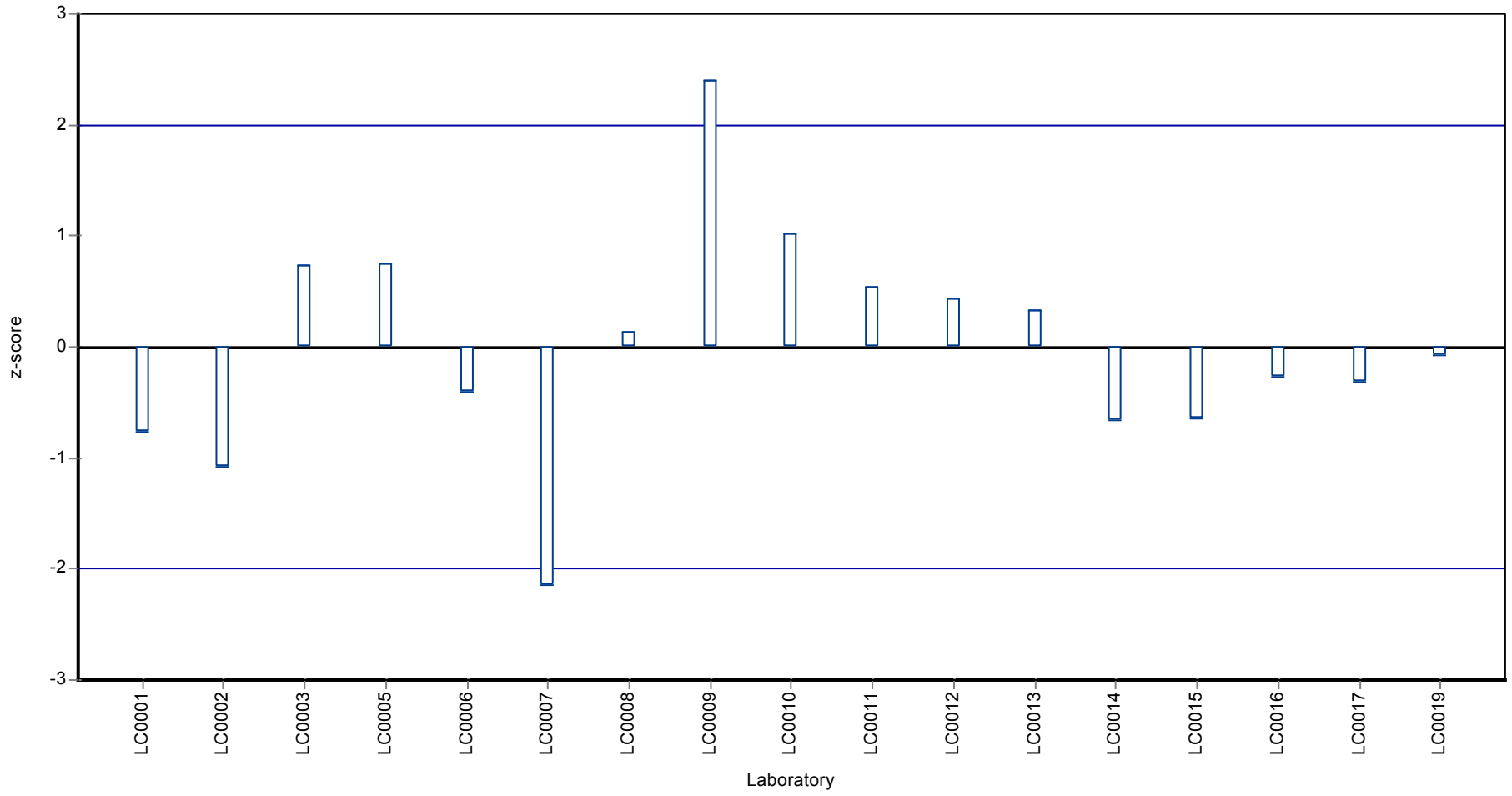
Results



Recovery rate



Z-score


3
2
1
0
-1
-2
-3
z-score
LC0001
LC0002
LC0003
LC0005
LC0006
LC0007
LC0008
LC0009
LC0010
LC0011
LC0012
LC0013
LC0014
LC0015
LC0016
LC0017
LC0019
Laboratory

Parameter oriented report

H100 B

Atrazine-desethyl

Unit	µg/l
Mean ± CI (99%)	0.389 ± 0.0254
Minimum - Maximum	0.32 - 0.463
Control test value ± U	0.387 ± 0.0619

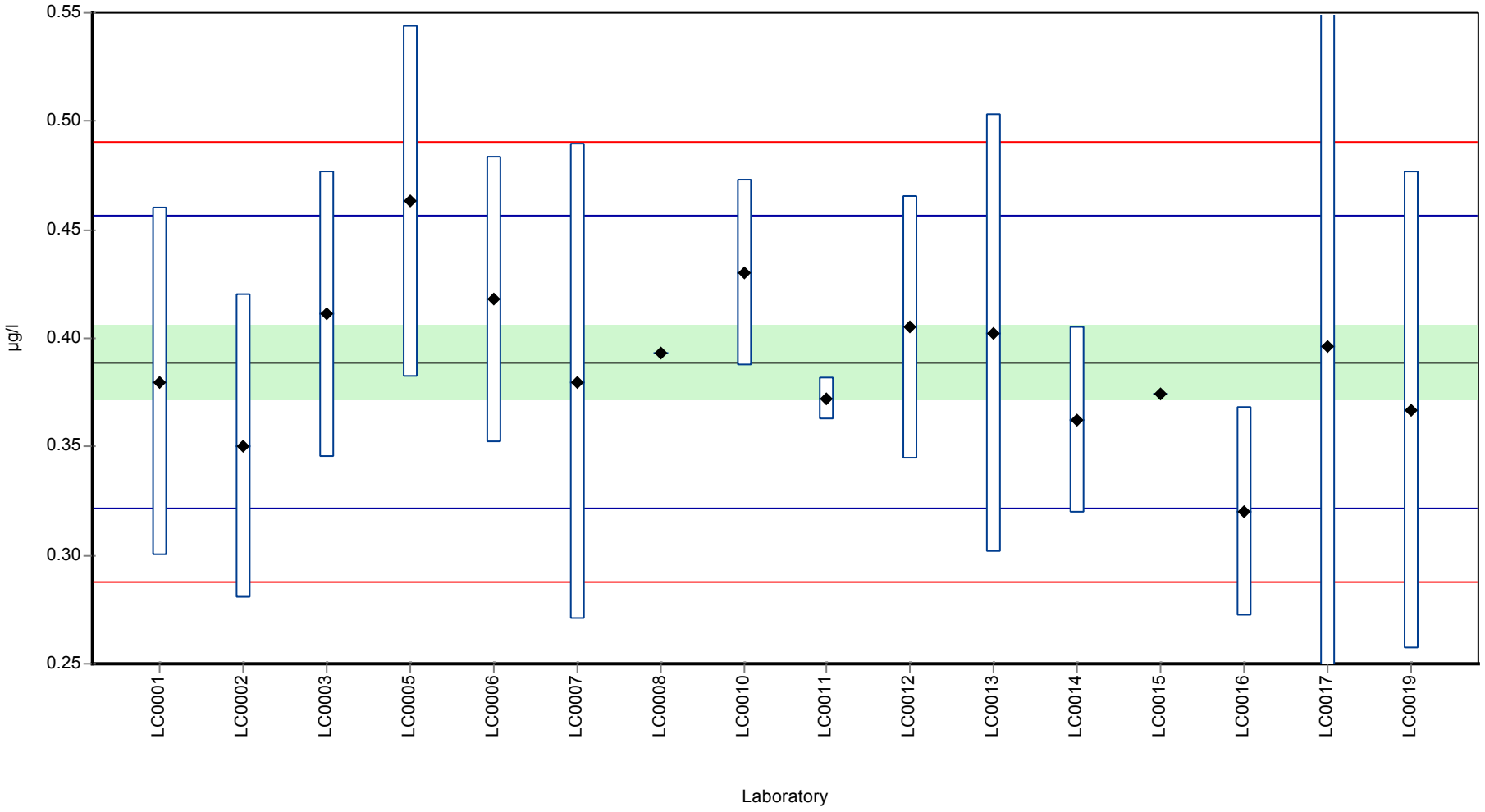
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.38	0.08	97.7	-0.26	
LC0002	0.35	0.07	90	-1.15	
LC0003	0.411	0.066	106	0.65	
LC0004	-	-	-	-	
LC0005	0.463	0.081	119	2.19	
LC0006	0.418	0.066	107	0.86	
LC0007	0.38	0.11	97.7	-0.26	
LC0008	0.393	-	101	0.12	
LC0009	-	-	-	-	
LC0010	0.43	0.043	111	1.21	
LC0011	0.372	0.01	95.6	-0.5	
LC0012	0.405	0.06075	104	0.47	
LC0013	0.402	0.101	103	0.39	
LC0014	0.362	0.043	93.1	-0.8	
LC0015	0.374	-	96.2	-0.44	
LC0016	0.32	0.048	82.3	-2.04	
LC0017	0.396	0.166	102	0.21	
LC0018	-	-	-	-	
LC0019	0.367	0.1101	94.4	-0.65	

Characteristics of parameter

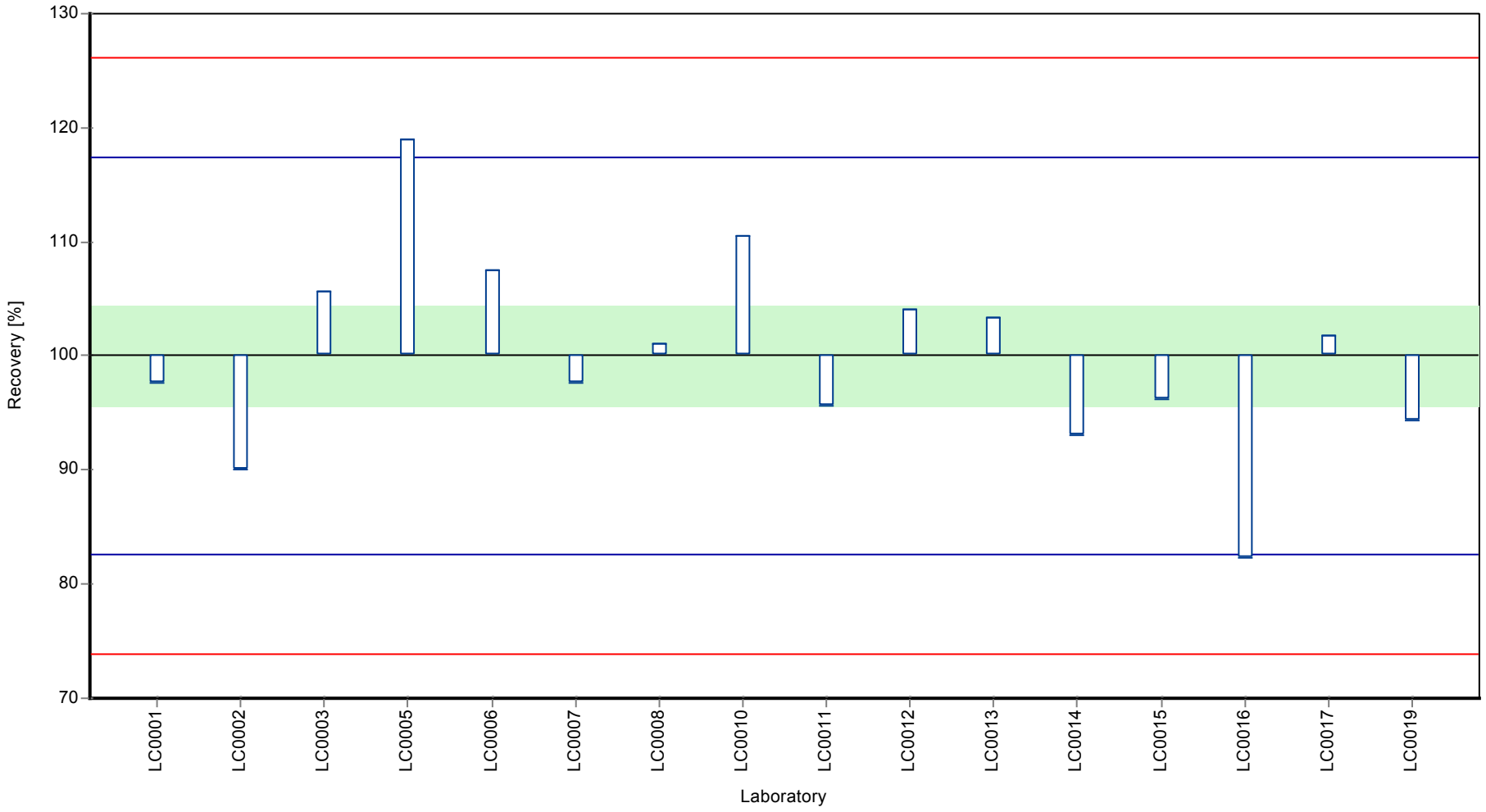
	all results	without outliers	Unit
Mean ± CI (99%)	0.389 ± 0.0254	0.389 ± 0.0254	µg/l
Minimum	0.32	0.32	µg/l
Maximum	0.463	0.463	µg/l
Standard deviation	0.0338	0.0338	µg/l
rel. Standard deviation	8.69	8.69	%
n	16	16	-

Graphical presentation of results

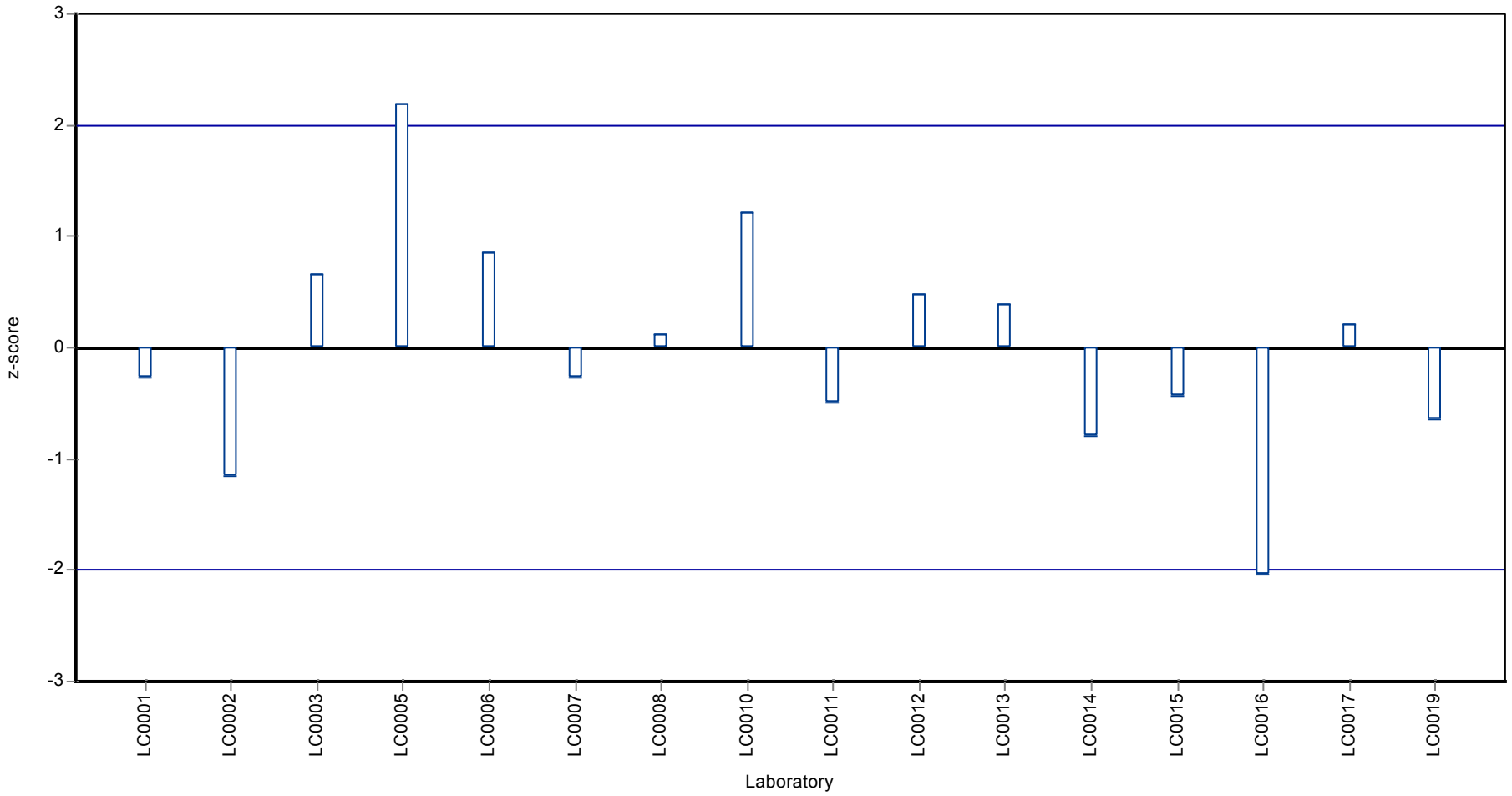
Results



Recovery rate



Z-score


3
2
1
0
-1
-2
-3
z-score
LC0001
LC0002
LC0003
LC0005
LC0006
LC0007
LC0008
LC0010
LC0011
LC0012
LC0013
LC0014
LC0015
LC0016
LC0017
LC0019
Laboratory

Parameter oriented report

H100 A

Atrazine-desethyl-desisopropyl

Unit	µg/l
Mean ± CI (99%)	-
Minimum - Maximum	0.312 - 0.932
Control test value ± U	0.327 ± 0.0524

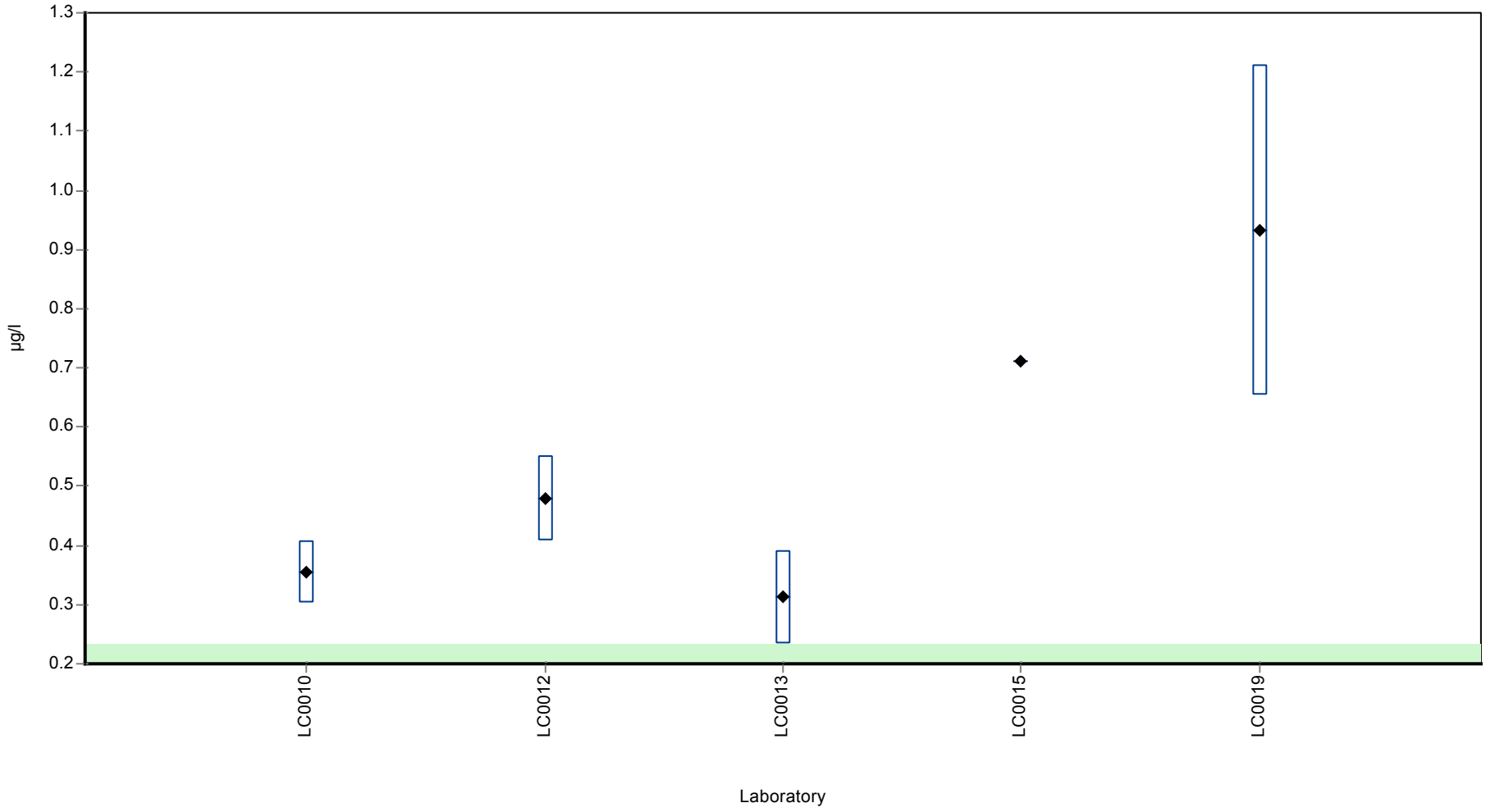
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	-	-	-	-	
LC0006	-	-	-	-	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	-	-	-	-	
LC0010	0.355	0.053	-	-	
LC0011	-	-	-	-	
LC0012	0.479	0.07185	-	-	
LC0013	0.312	0.078	-	-	
LC0014	-	-	-	-	
LC0015	0.711	-	-	-	
LC0016	-	-	-	-	
LC0017	-	-	-	-	
LC0018	-	-	-	-	
LC0019	0.932	0.2796	-	-	

Characteristics of parameter

	all results	without outliers	Unit
Mean ± CI (99%)	0.558 ± 0.349	-	µg/l
Minimum	0.312	0.312	µg/l
Maximum	0.932	0.932	µg/l
Standard deviation	0.26	-	µg/l
rel. Standard deviation	46.7	-	%
n	5	5	-

Graphical presentation of results

Results



Parameter oriented report

H100 B

Atrazine-desethyl-desisopropyl

Unit	µg/l
Mean ± CI (99%)	-
Minimum - Maximum	0.633 - 0.693
Control test value ± U	0.663 ± 0.106

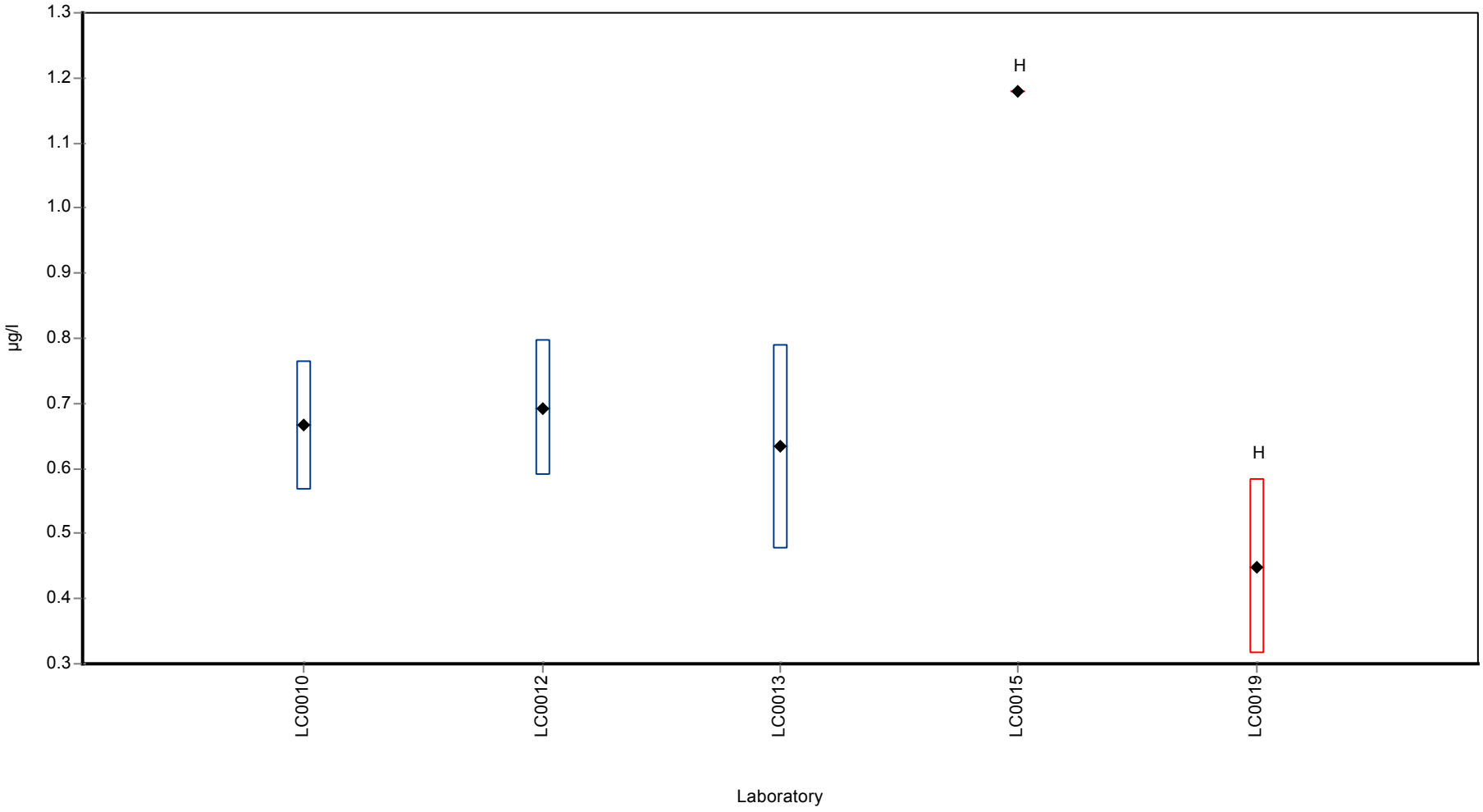
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	-	-	-	-	
LC0006	-	-	-	-	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	-	-	-	-	
LC0010	0.666	0.1	-	-	
LC0011	-	-	-	-	
LC0012	0.693	0.10395	-	-	
LC0013	0.633	0.158	-	-	
LC0014	-	-	-	-	
LC0015	1.18	-	-	-	H
LC0016	-	-	-	-	
LC0017	-	-	-	-	
LC0018	-	-	-	-	
LC0019	0.449	0.1347	-	-	H

Characteristics of parameter

	all results	without outliers	Unit
Mean ± CI (99%)	0.724 ± 0.365	-	µg/l
Minimum	0.449	0.633	µg/l
Maximum	1.18	0.693	µg/l
Standard deviation	0.272	-	µg/l
rel. Standard deviation	37.6	-	%
n	5	3	-

Graphical presentation of results

Results



Parameter oriented report

H100 A

Atrazine-desisopropyl

Unit	µg/l
Mean ± CI (99%)	-
Minimum - Maximum	-
Control test value ± U	<0.025 (NG)

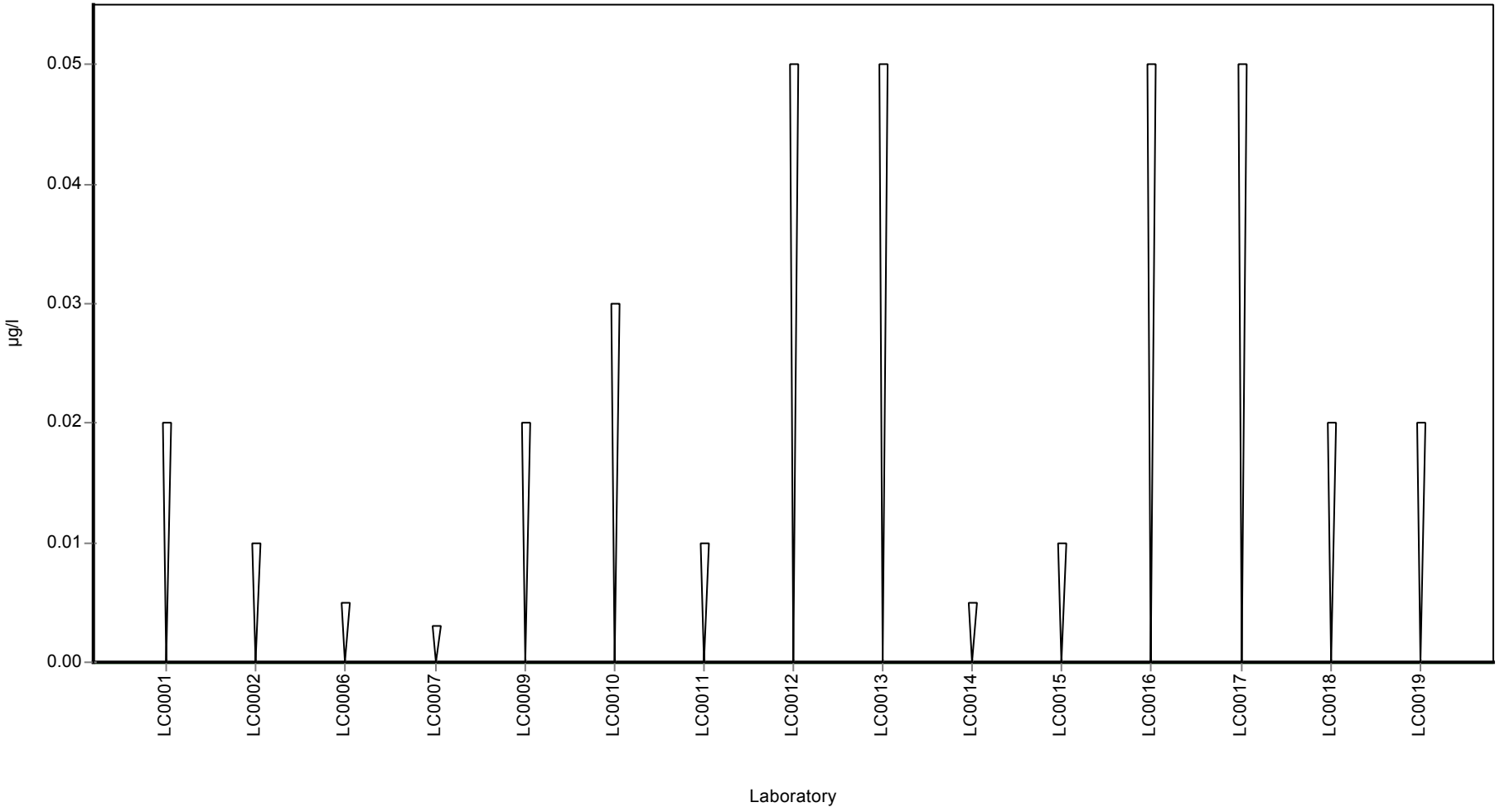
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	< 0.02 (LOQ)	-	-	-	
LC0002	< 0.01 (LOQ)	-	-	-	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	-	-	-	-	
LC0006	< 0.005 (LOQ)	-	-	-	
LC0007	< 0.003 (LOQ)	-	-	-	
LC0008	-	-	-	-	
LC0009	< 0.02 (LOQ)	-	-	-	
LC0010	< 0.03 (LOQ)	-	-	-	
LC0011	<0.01 (LOD)	-	-	-	
LC0012	< 0.05 (LOQ)	-	-	-	
LC0013	< 0.05 (LOQ)	-	-	-	
LC0014	< 0.005 (LOQ)	-	-	-	
LC0015	< 0.01 (LOQ)	-	-	-	
LC0016	< 0.05 (LOQ)	-	-	-	
LC0017	< 0.05 (LOQ)	-	-	-	
LC0018	< 0.02 (LOQ)	-	-	-	
LC0019	< 0.02 (LOQ)	-	-	-	

Characteristics of parameter

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

Graphical presentation of results

Results



Parameter oriented report

H100 B

Atrazine-desisopropyl

Unit	µg/l
Mean ± CI (99%)	0.557 ± 0.0613
Minimum - Maximum	0.388 - 0.704
Control test value ± U	0.6 ± 0.096

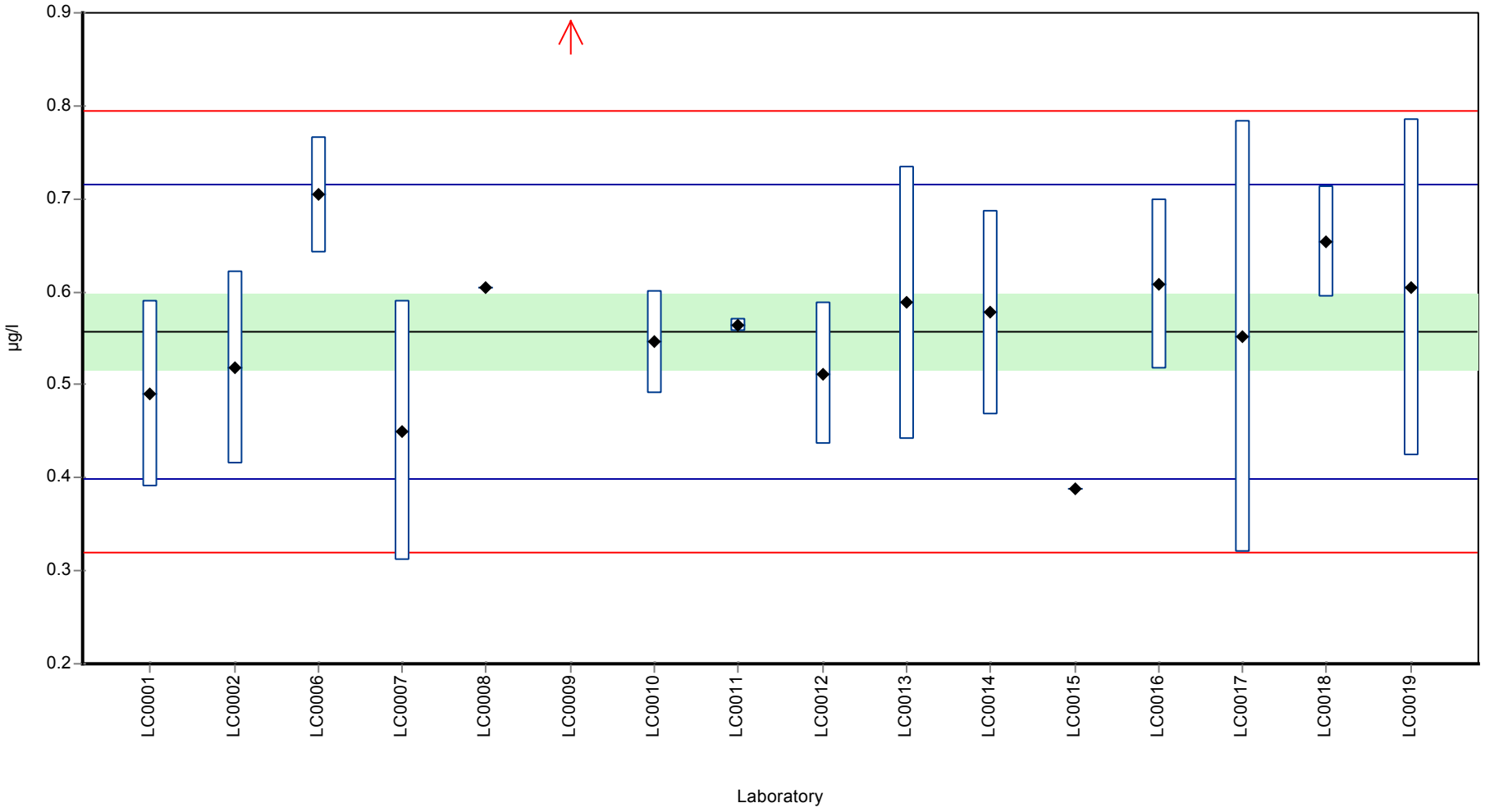
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.49	0.1	87.9	-0.85	
LC0002	0.518	0.104	92.9	-0.5	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	-	-	-	-	
LC0006	0.704	0.062	126	1.85	
LC0007	0.45	0.14	80.7	-1.36	
LC0008	0.604	-	108	0.59	
LC0009	1.008	0.242	181	5.7	H
LC0010	0.546	0.055	98	-0.14	
LC0011	0.564	0.007	101	0.08	
LC0012	0.512	0.0768	91.9	-0.57	
LC0013	0.588	0.147	106	0.39	
LC0014	0.578	0.11	104	0.26	
LC0015	0.388	-	69.6	-2.14	
LC0016	0.608	0.091	109	0.64	
LC0017	0.552	0.232	99	-0.07	
LC0018	0.6539	0.0595	117	1.22	
LC0019	0.604	0.1812	108	0.59	

Characteristics of parameter

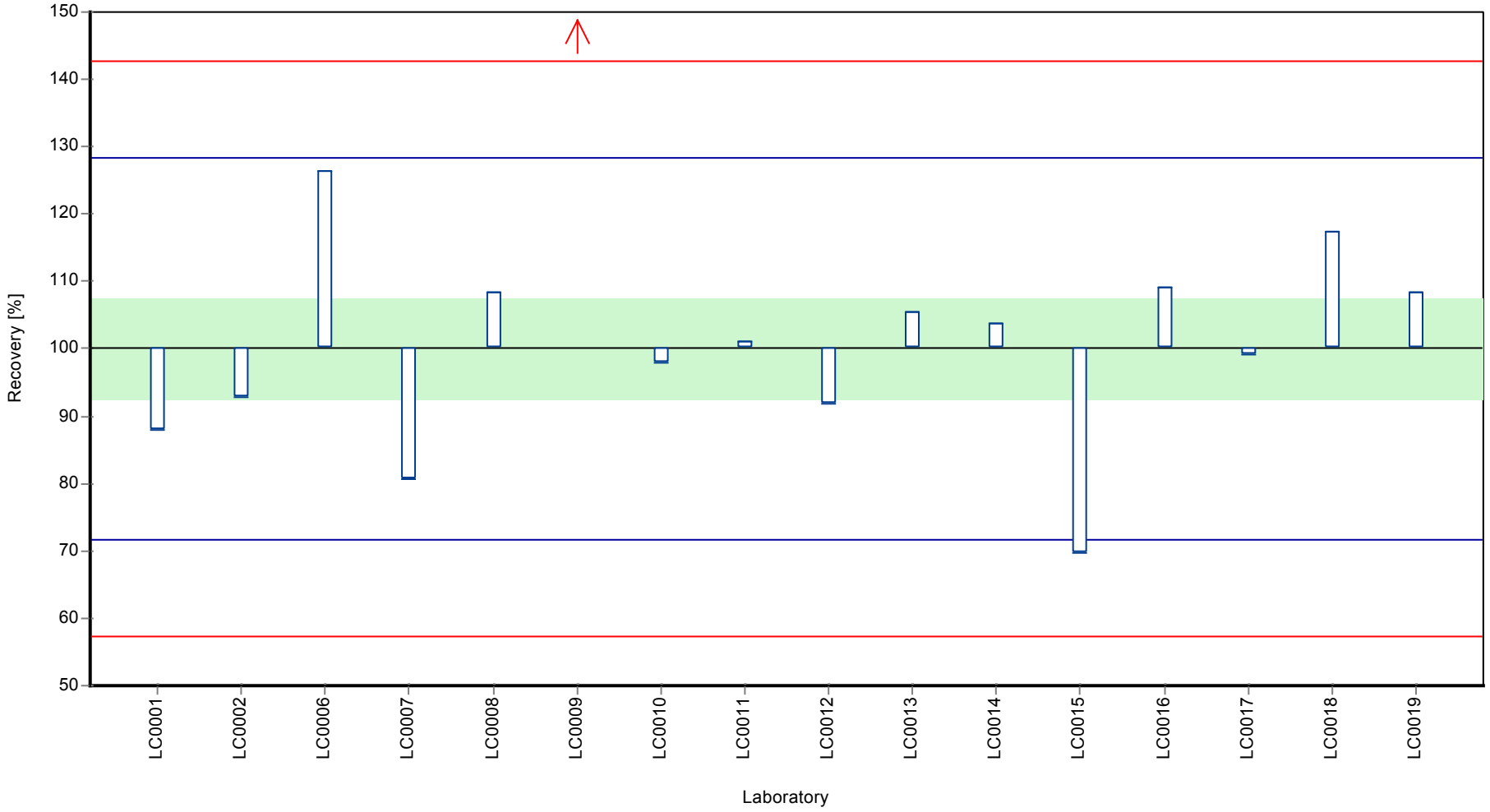
	all results	without outliers	Unit
Mean ± CI (99%)	0.585 ± 0.102	0.557 ± 0.0613	µg/l
Minimum	0.388	0.388	µg/l
Maximum	1.01	0.704	µg/l
Standard deviation	0.136	0.0791	µg/l
rel. Standard deviation	23.3	14.2	%
n	16	15	-

Graphical presentation of results

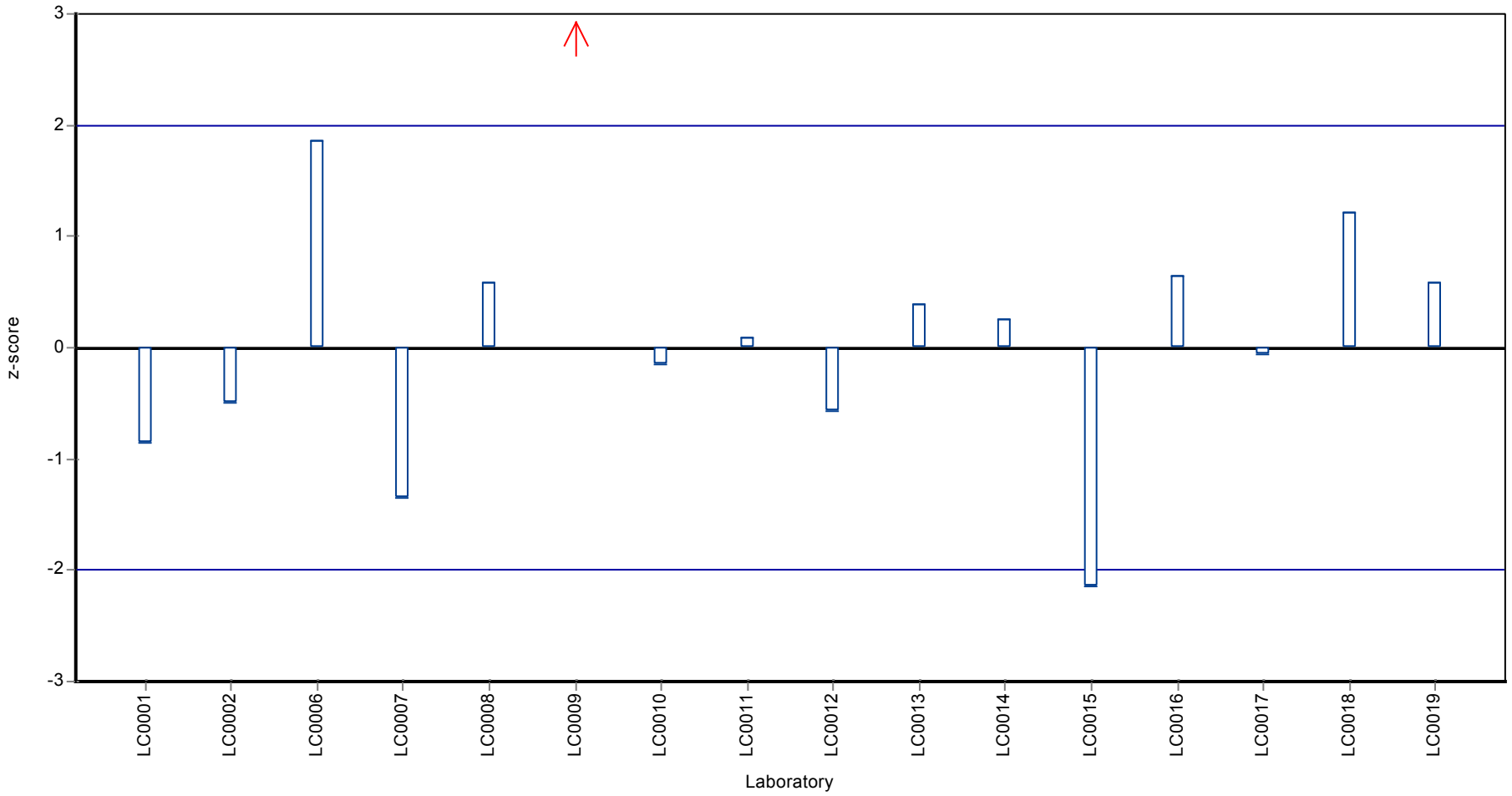
Results



Recovery rate



Z-score


3
2
1
0
-1
-2
-3
z-score
LC0001
LC0002
LC0006
LC0007
LC0008
LC0009
LC0010
LC0011
LC0012
LC0013
LC0014
LC0015
LC0016
LC0017
LC0018
LC0019
Laboratory

Parameter oriented report

H100 A

Bromacil

Unit	µg/l
Mean ± CI (99%)	0.46 ± 0.0375
Minimum - Maximum	0.39 - 0.508
Control test value ± U	0.411 ± 0.0658

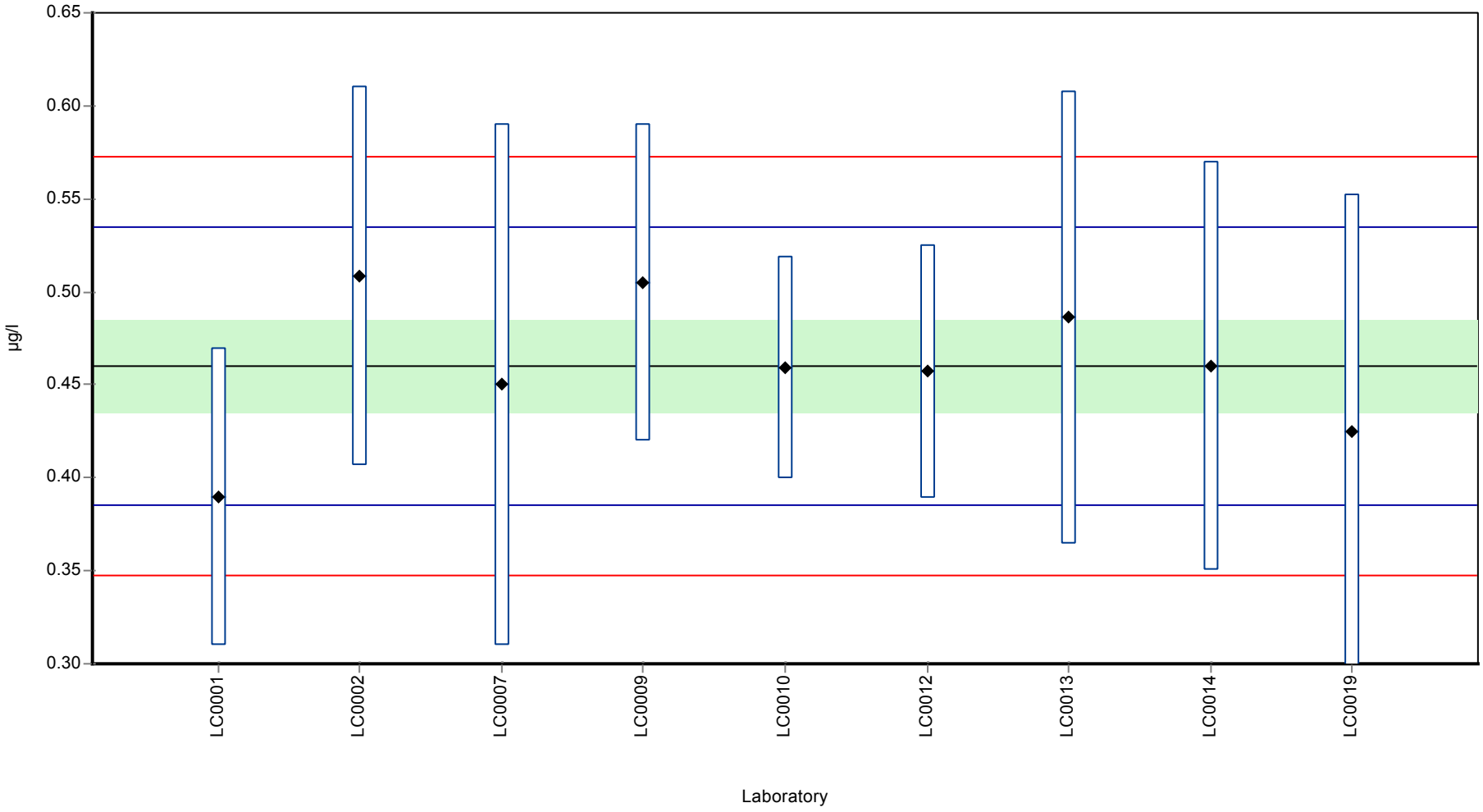
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.39	0.08	84.8	-1.87	
LC0002	0.508	0.102	110	1.28	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	-	-	-	-	
LC0006	-	-	-	-	
LC0007	0.45	0.14	97.8	-0.27	
LC0008	-	-	-	-	
LC0009	0.505	0.085	110	1.2	
LC0010	0.459	0.06	99.8	-0.03	
LC0011	-	-	-	-	
LC0012	0.457	0.06855	99.3	-0.08	
LC0013	0.486	0.122	106	0.69	
LC0014	0.46	0.11	100	0	
LC0015	-	-	-	-	
LC0016	-	-	-	-	
LC0017	-	-	-	-	
LC0018	-	-	-	-	
LC0019	0.425	0.1275	92.4	-0.93	

Characteristics of parameter

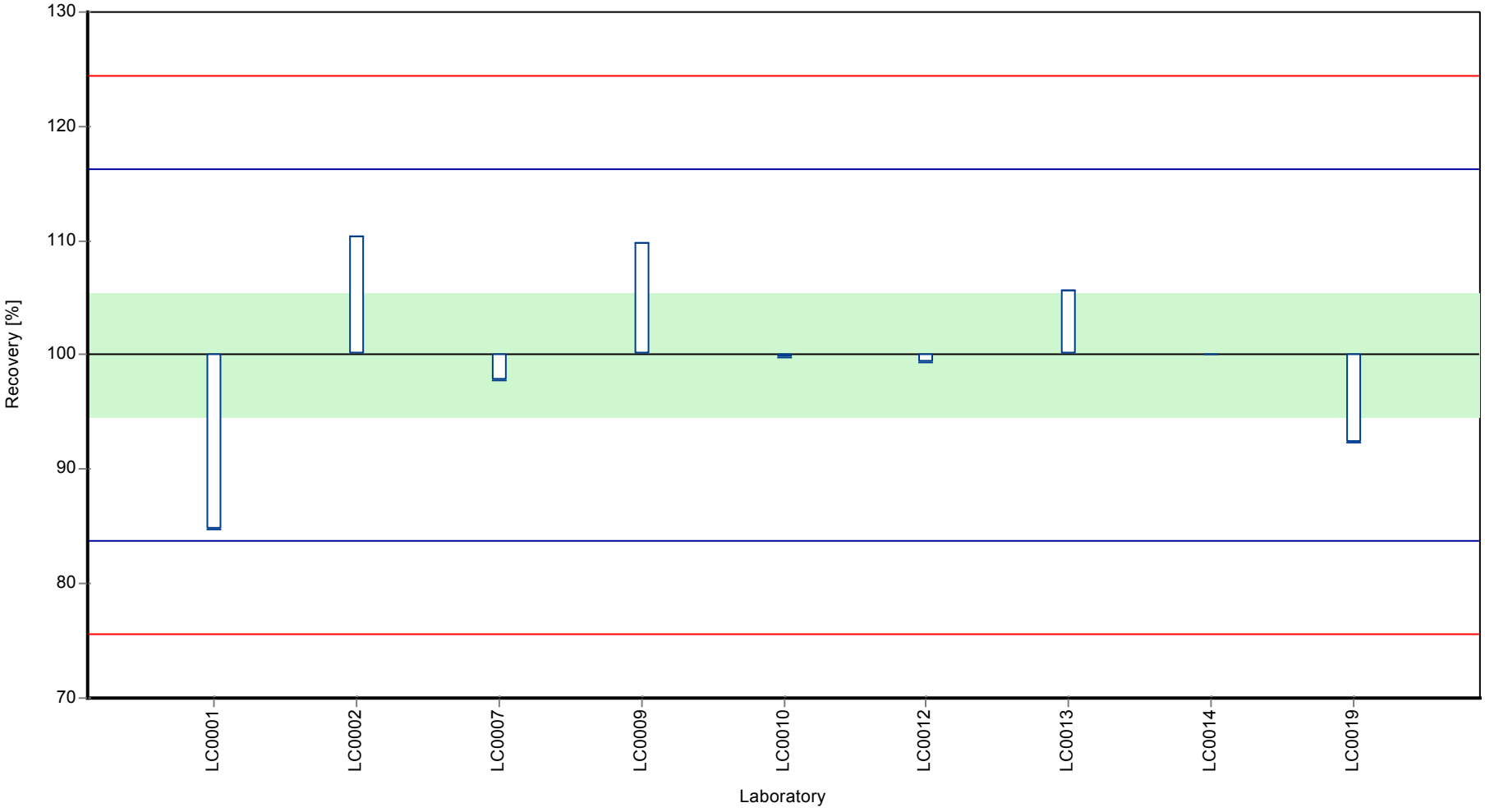
	all results	without outliers	Unit
Mean ± CI (99%)	0.46 ± 0.0375	0.46 ± 0.0375	µg/l
Minimum	0.39	0.39	µg/l
Maximum	0.508	0.508	µg/l
Standard deviation	0.0375	0.0375	µg/l
rel. Standard deviation	8.15	8.15	%
n	9	9	-

Graphical presentation of results

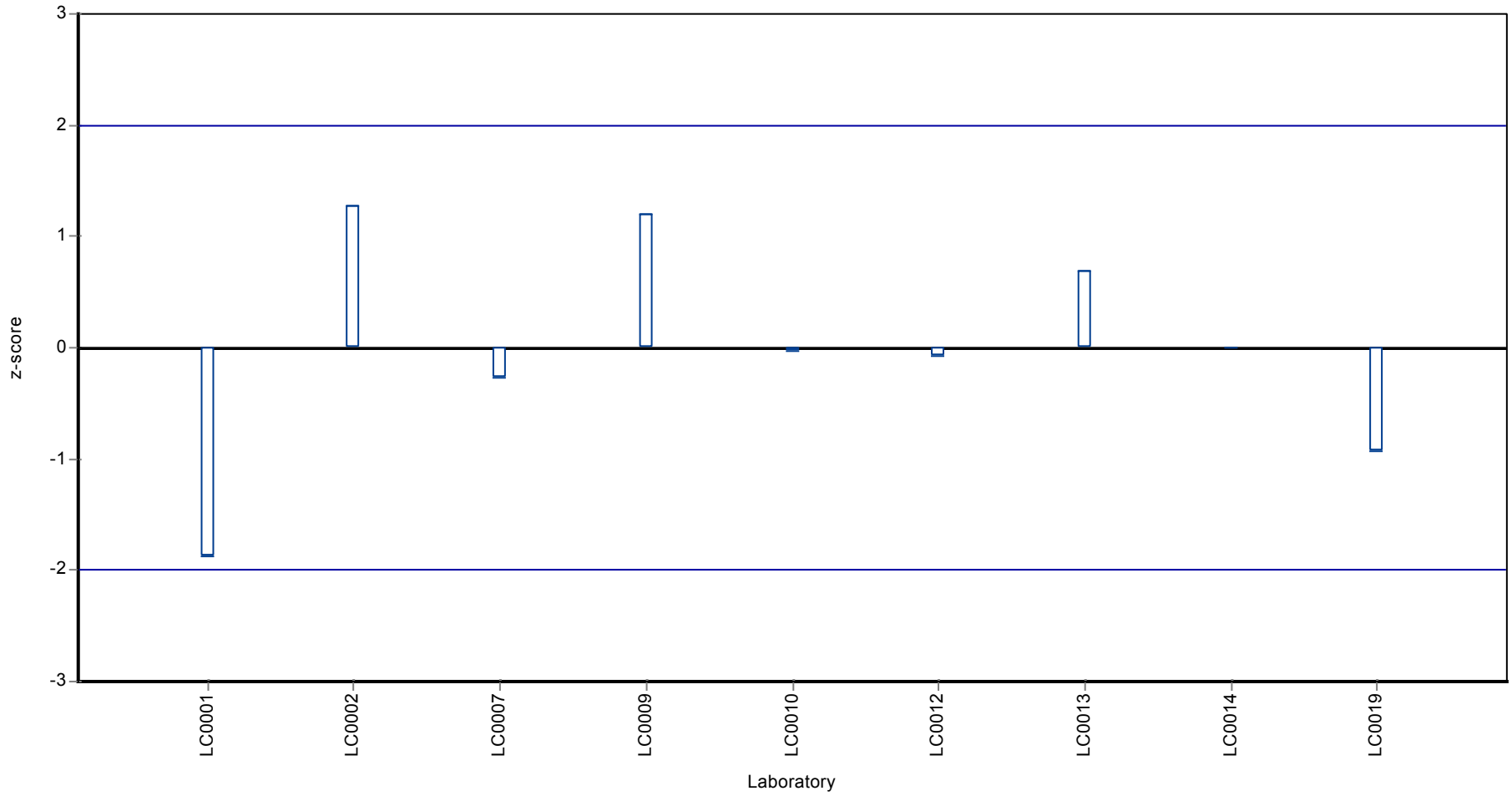
Results



Recovery rate



Z-score


3
2
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0
-1
-2
-3
z-score
LC0001
LC0002
LC0007
LC0009
LC0010
LC0012
LC0013
LC0014
LC0019
Laboratory

Parameter oriented report

H100 B

Bromacil

Unit	µg/l
Mean ± CI (99%)	0.403 ± 0.029
Minimum - Maximum	0.36 - 0.45
Control test value ± U	0.388 ± 0.062

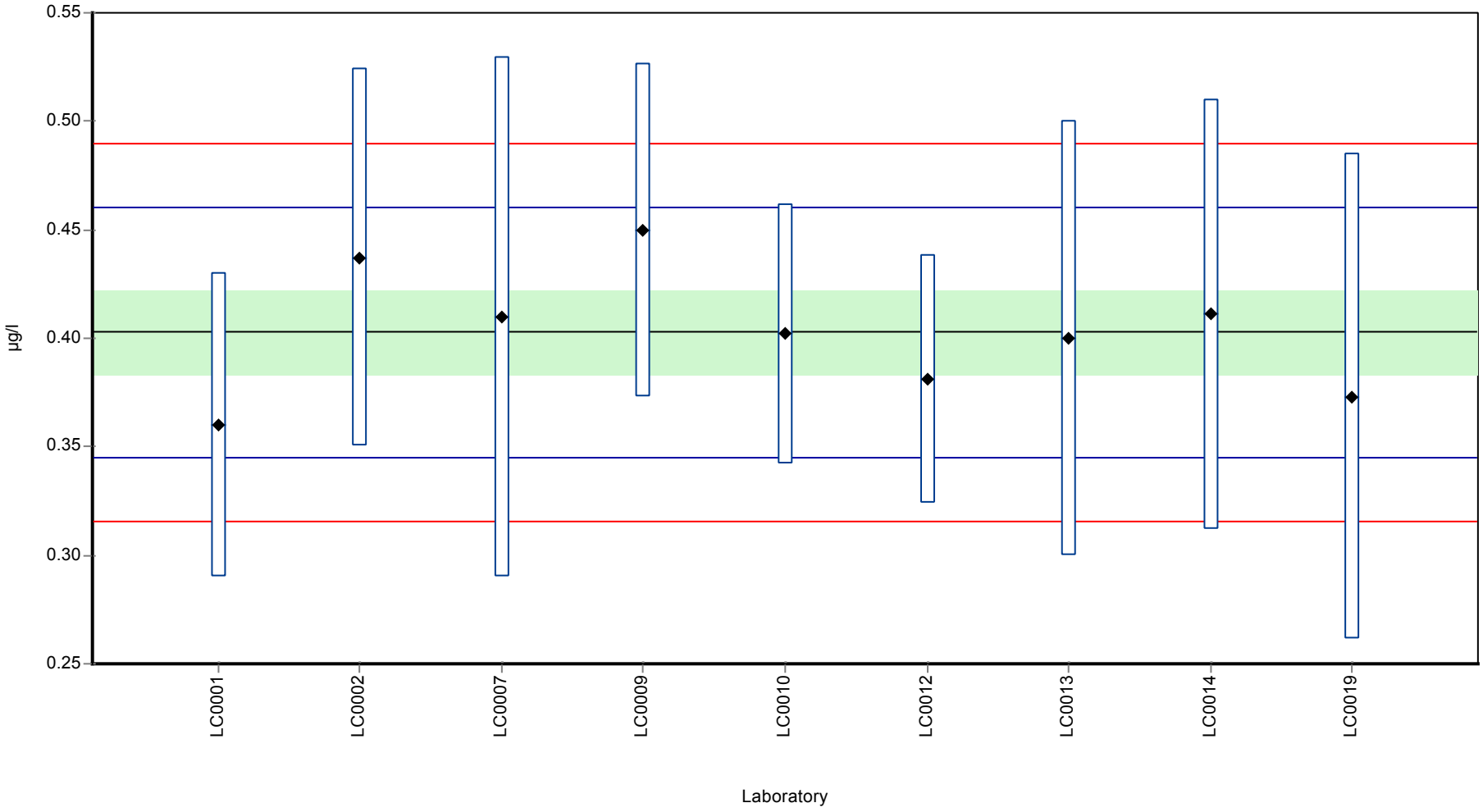
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.36	0.07	89.4	-1.47	
LC0002	0.437	0.087	109	1.18	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	-	-	-	-	
LC0006	-	-	-	-	
LC0007	0.41	0.12	102	0.25	
LC0008	-	-	-	-	
LC0009	0.45	0.077	112	1.63	
LC0010	0.402	0.06	99.8	-0.02	
LC0011	-	-	-	-	
LC0012	0.381	0.05715	94.6	-0.75	
LC0013	0.4	0.1	99.3	-0.09	
LC0014	0.411	0.099	102	0.29	
LC0015	-	-	-	-	
LC0016	-	-	-	-	
LC0017	-	-	-	-	
LC0018	-	-	-	-	
LC0019	0.373	0.1119	92.6	-1.02	

Characteristics of parameter

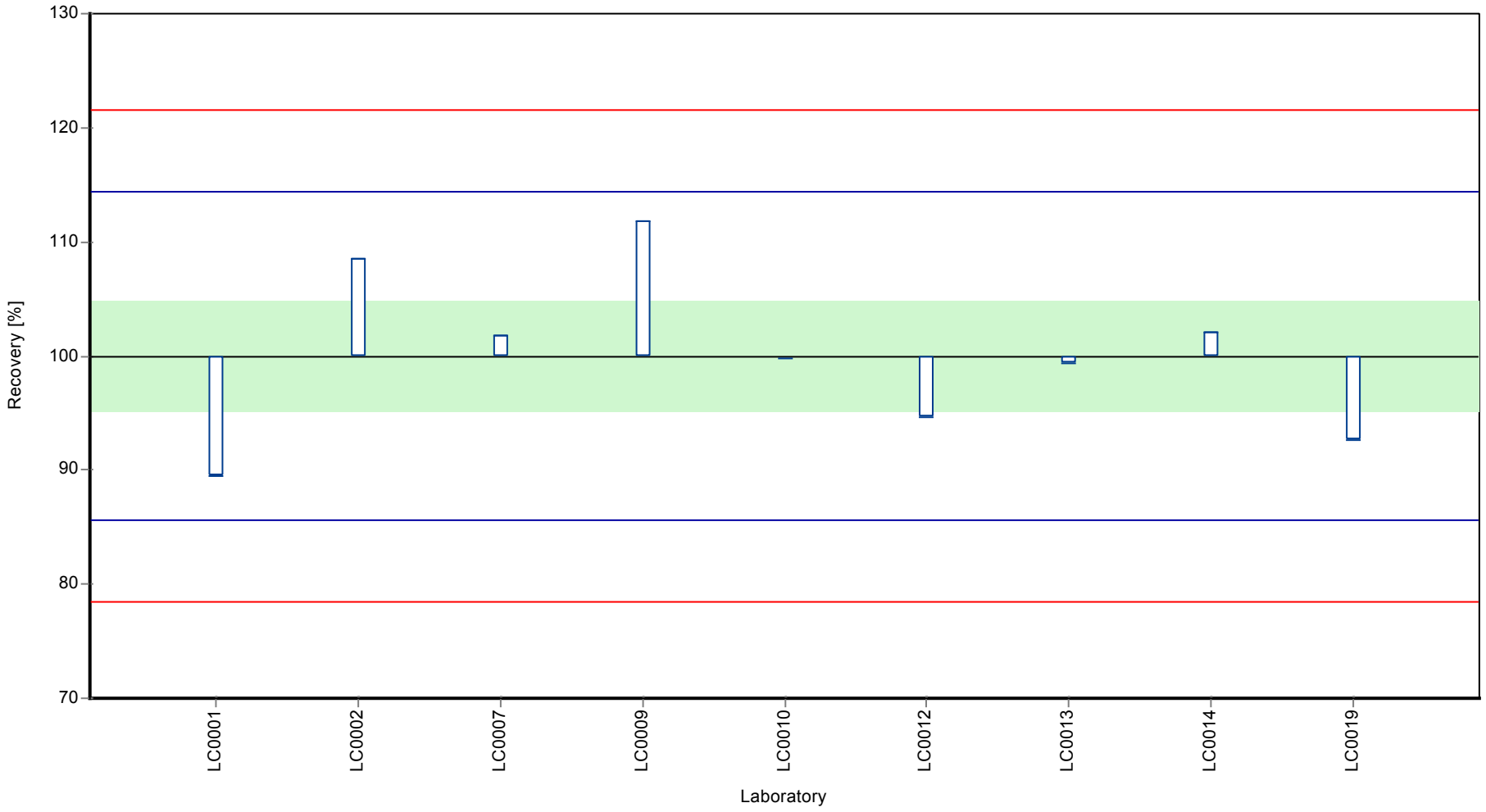
	all results	without outliers	Unit
Mean ± CI (99%)	0.403 ± 0.029	0.403 ± 0.029	µg/l
Minimum	0.36	0.36	µg/l
Maximum	0.45	0.45	µg/l
Standard deviation	0.029	0.029	µg/l
rel. Standard deviation	7.2	7.2	%
n	9	9	-

Graphical presentation of results

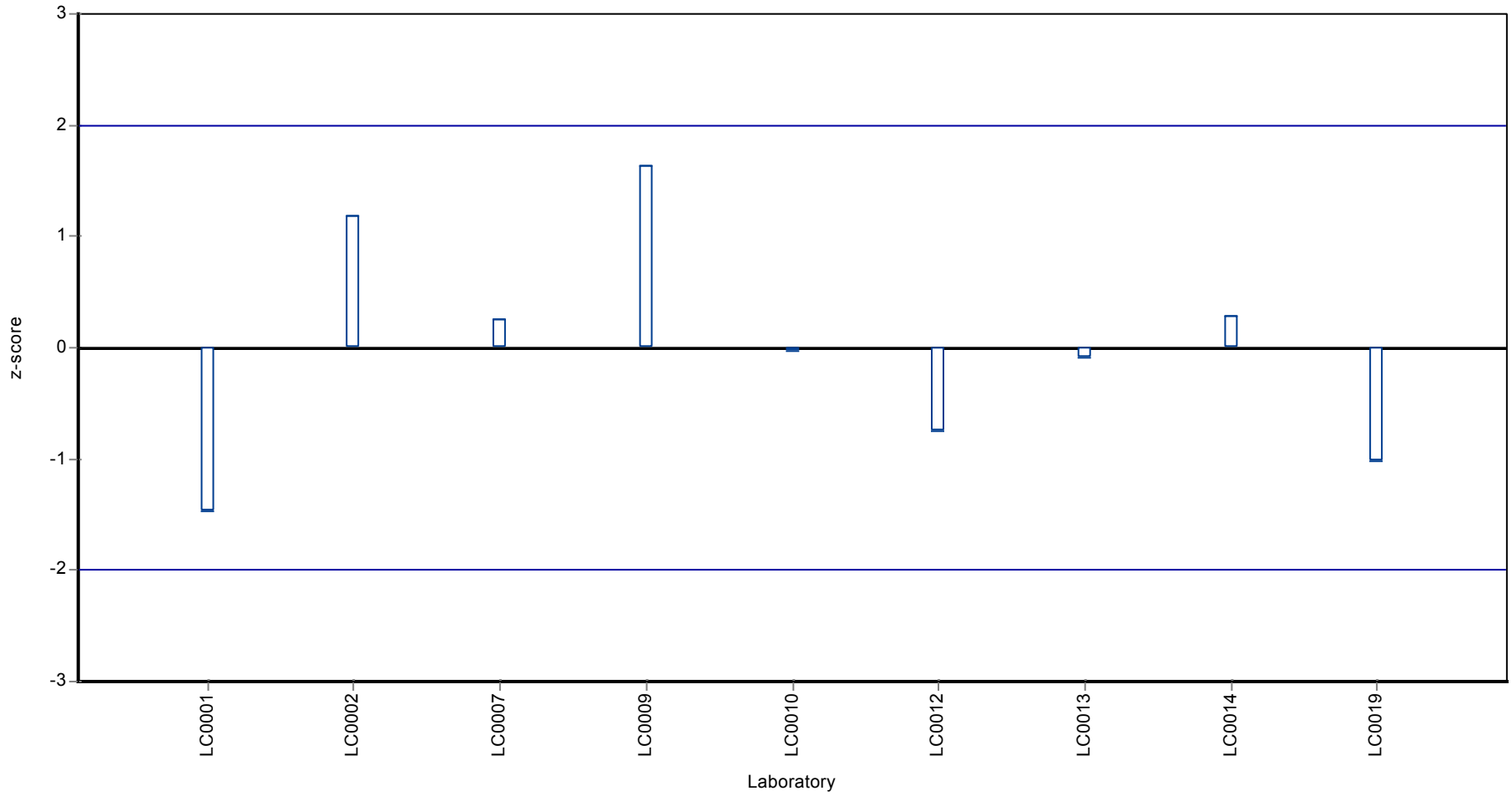
Results



Recovery rate



Z-score


3
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-1
-2
-3
z-score
LC0001
LC0002
LC0007
LC0009
LC0010
LC0012
LC0013
LC0014
LC0019
Laboratory

Parameter oriented report

H100 A

Chloridazon

Unit	µg/l
Mean ± CI (99%)	0.246 ± 0.0367
Minimum - Maximum	0.129 - 0.31
Control test value ± U	0.231 ± 0.037

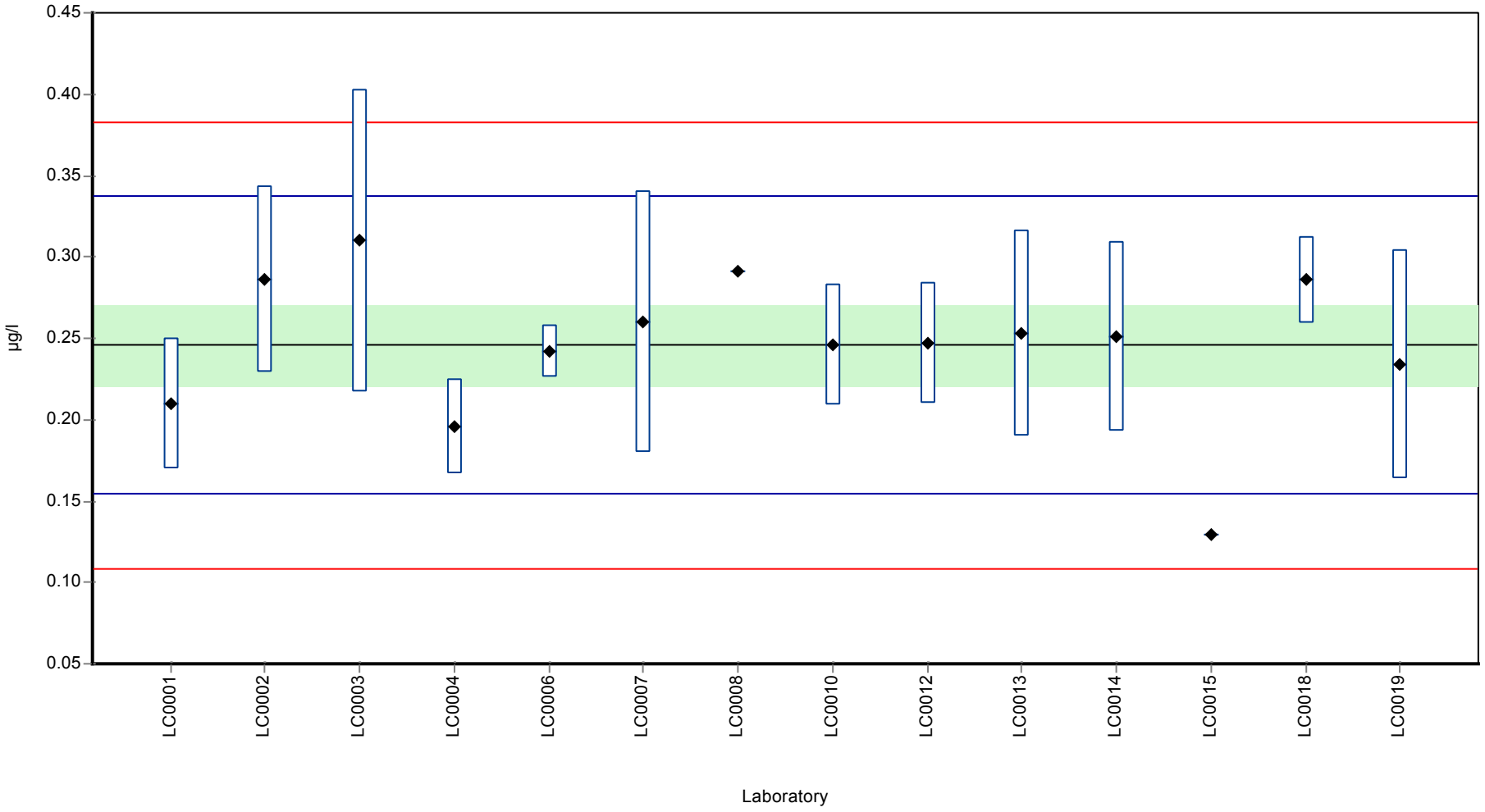
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.21	0.04	85.4	-0.78	
LC0002	0.286	0.057	116	0.88	
LC0003	0.31	0.093	126	1.4	
LC0004	0.196	0.029	79.7	-1.09	
LC0005	-	-	-	-	
LC0006	0.242	0.016	98.5	-0.08	
LC0007	0.26	0.08	106	0.31	
LC0008	0.291	-	118	0.99	
LC0009	-	-	-	-	
LC0010	0.246	0.037	100	0.00	
LC0011	-	-	-	-	
LC0012	0.247	0.03705	100	0.03	
LC0013	0.253	0.063	103	0.16	
LC0014	0.251	0.058	102	0.11	
LC0015	0.129	-	52.5	-2.55	
LC0016	-	-	-	-	
LC0017	-	-	-	-	
LC0018	0.286	0.0268	116	0.88	
LC0019	0.234	0.0702	95.2	-0.26	

Characteristics of parameter

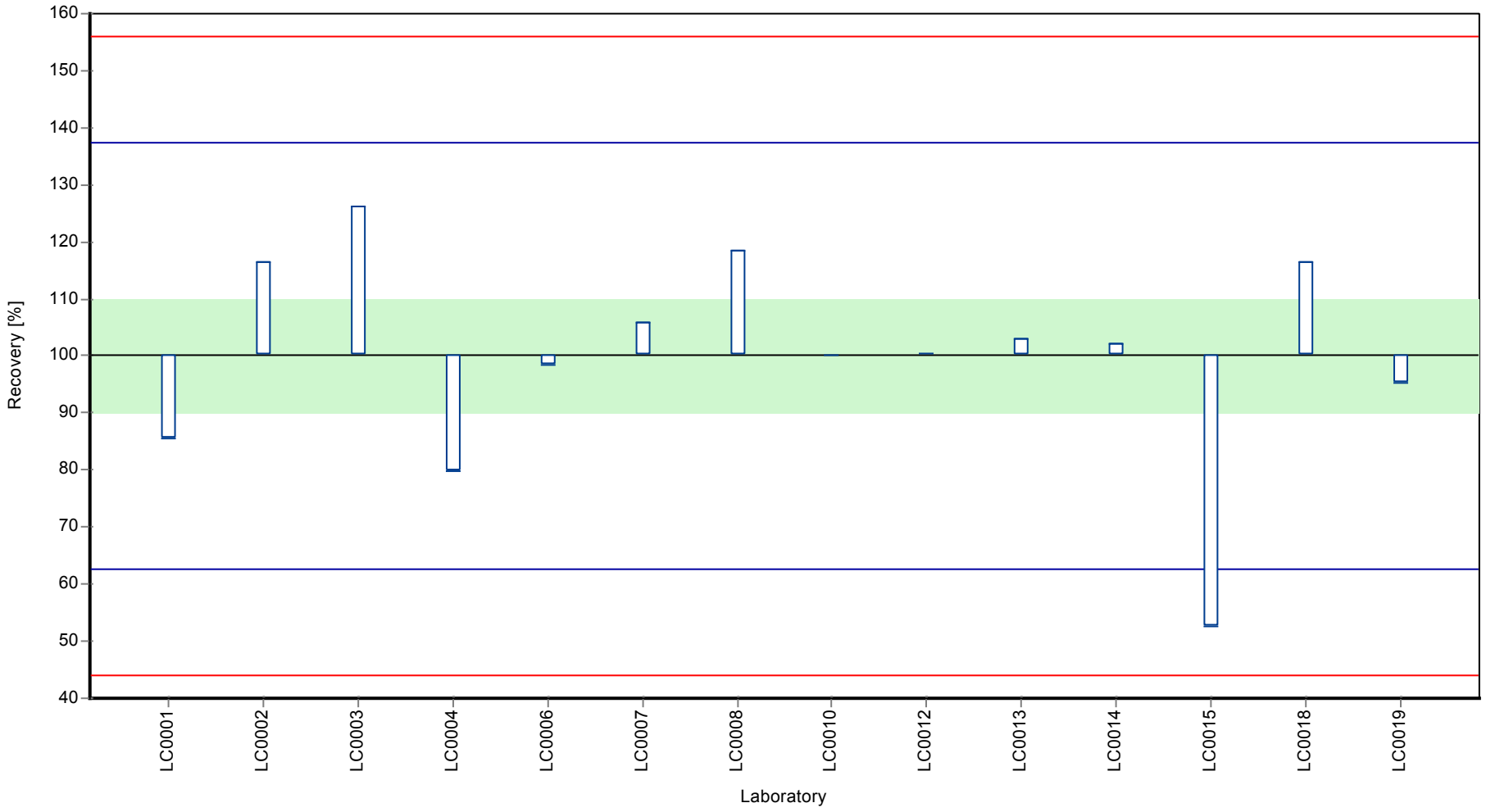
	all results	without outliers	Unit
Mean ± CI (99%)	0.246 ± 0.0367	0.246 ± 0.0367	µg/l
Minimum	0.129	0.129	µg/l
Maximum	0.31	0.31	µg/l
Standard deviation	0.0458	0.0458	µg/l
rel. Standard deviation	18.6	18.6	%
n	14	14	-

Graphical presentation of results

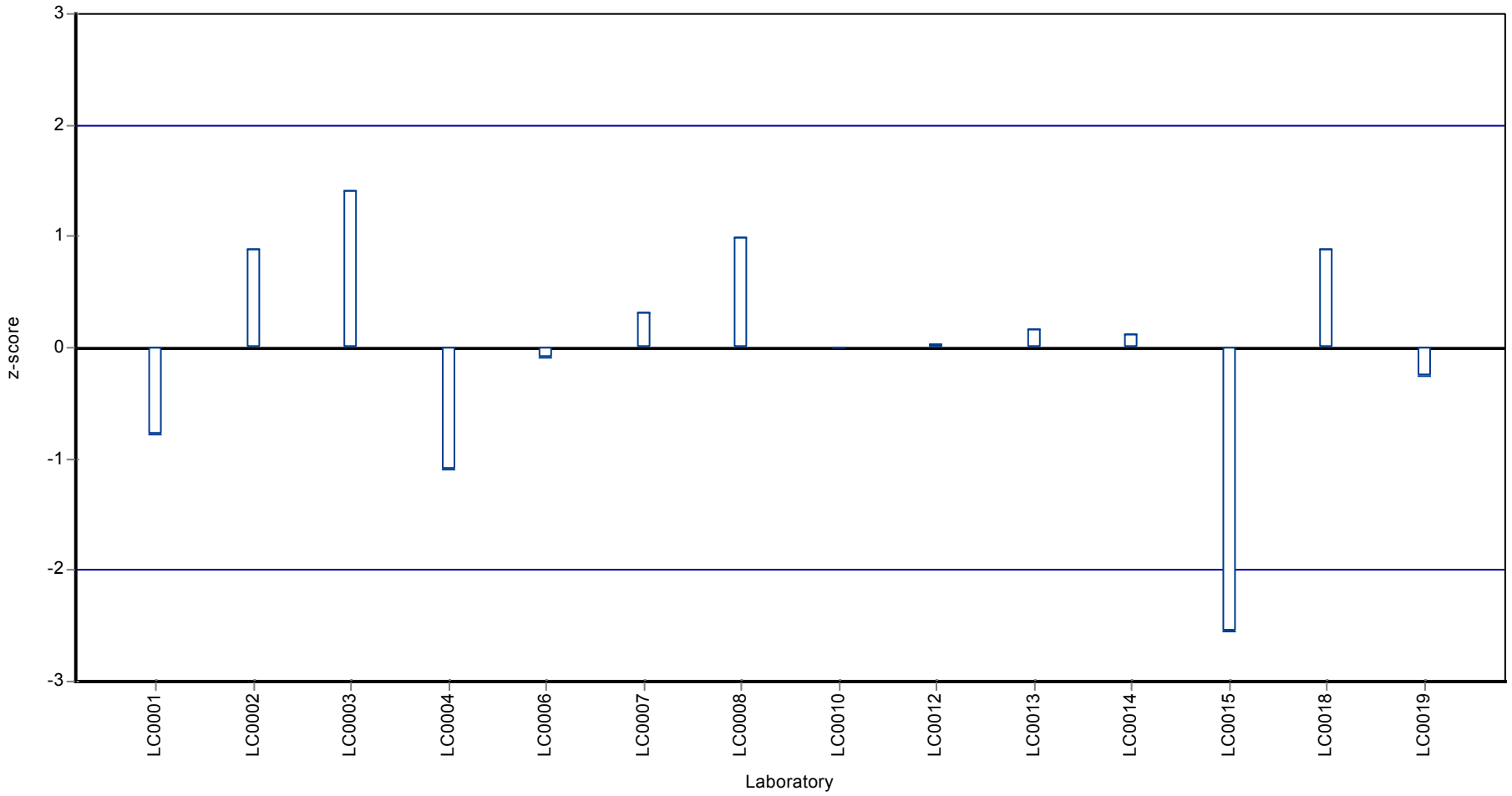
Results



Recovery rate



Z-score


3
2
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-3
z-score
LC0001
LC0002
LC0003
LC0004
LC0006
LC0007
LC0008
LC0010
LC0012
LC0013
LC0014
LC0015
LC0018
LC0019
Laboratory

Parameter oriented report

H100 B

Chloridazon

Unit	µg/l
Mean ± CI (99%)	0.629 ± 0.106
Minimum - Maximum	0.296 - 0.808
Control test value ± U	0.612 ± 0.098

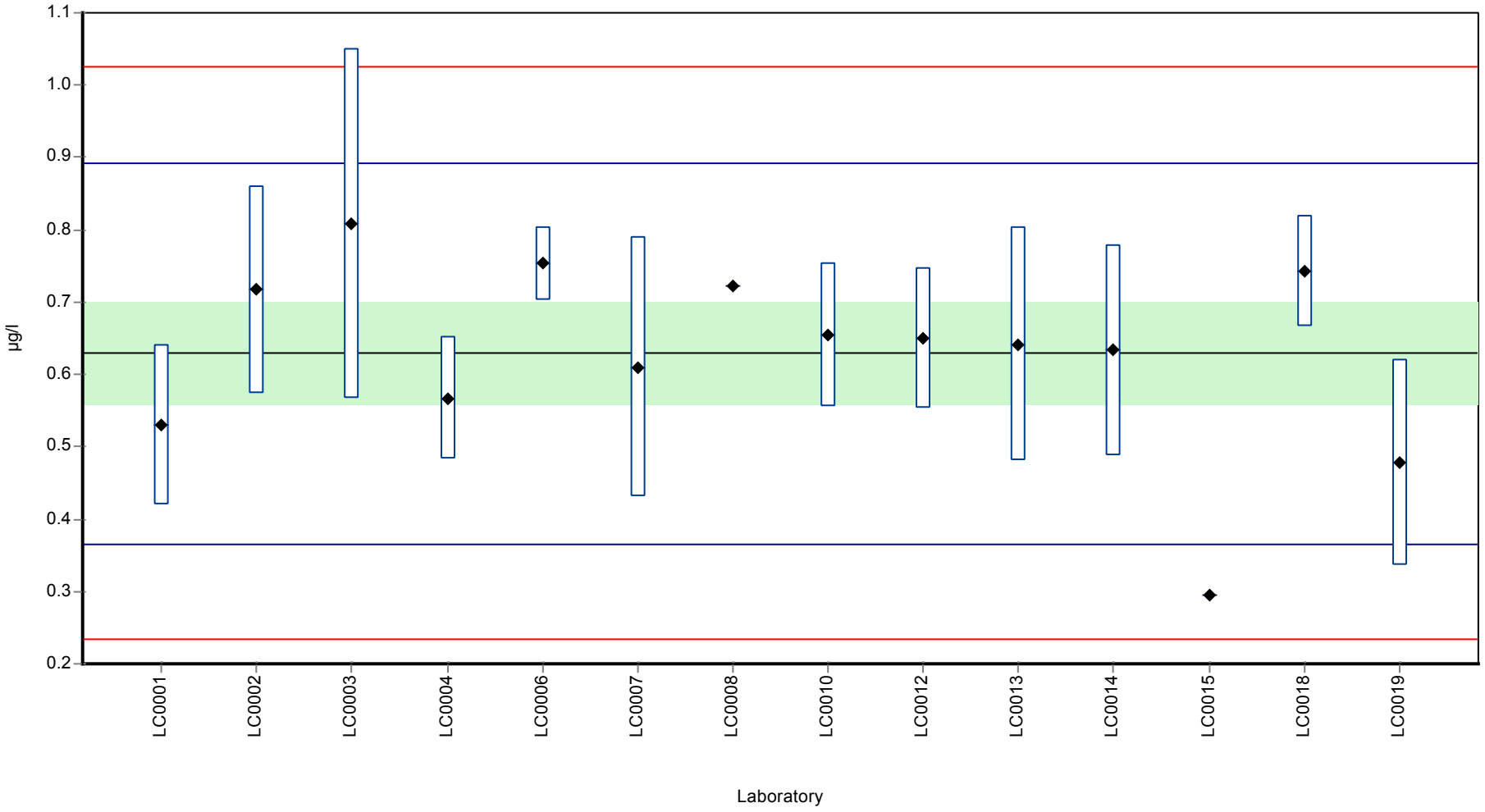
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.53	0.11	84.3	-0.75	
LC0002	0.717	0.143	114	0.67	
LC0003	0.808	0.242	128	1.36	
LC0004	0.567	0.085	90.2	-0.47	
LC0005	-	-	-	-	
LC0006	0.753	0.05	120	0.94	
LC0007	0.61	0.18	97	-0.14	
LC0008	0.722	-	115	0.71	
LC0009	-	-	-	-	
LC0010	0.655	0.1	104	0.2	
LC0011	-	-	-	-	
LC0012	0.65	0.0975	103	0.16	
LC0013	0.642	0.161	102	0.1	
LC0014	0.634	0.146	101	0.04	
LC0015	0.296	-	47.1	-2.53	
LC0016	-	-	-	-	
LC0017	-	-	-	-	
LC0018	0.7429	0.077	118	0.86	
LC0019	0.478	0.1434	76	-1.15	

Characteristics of parameter

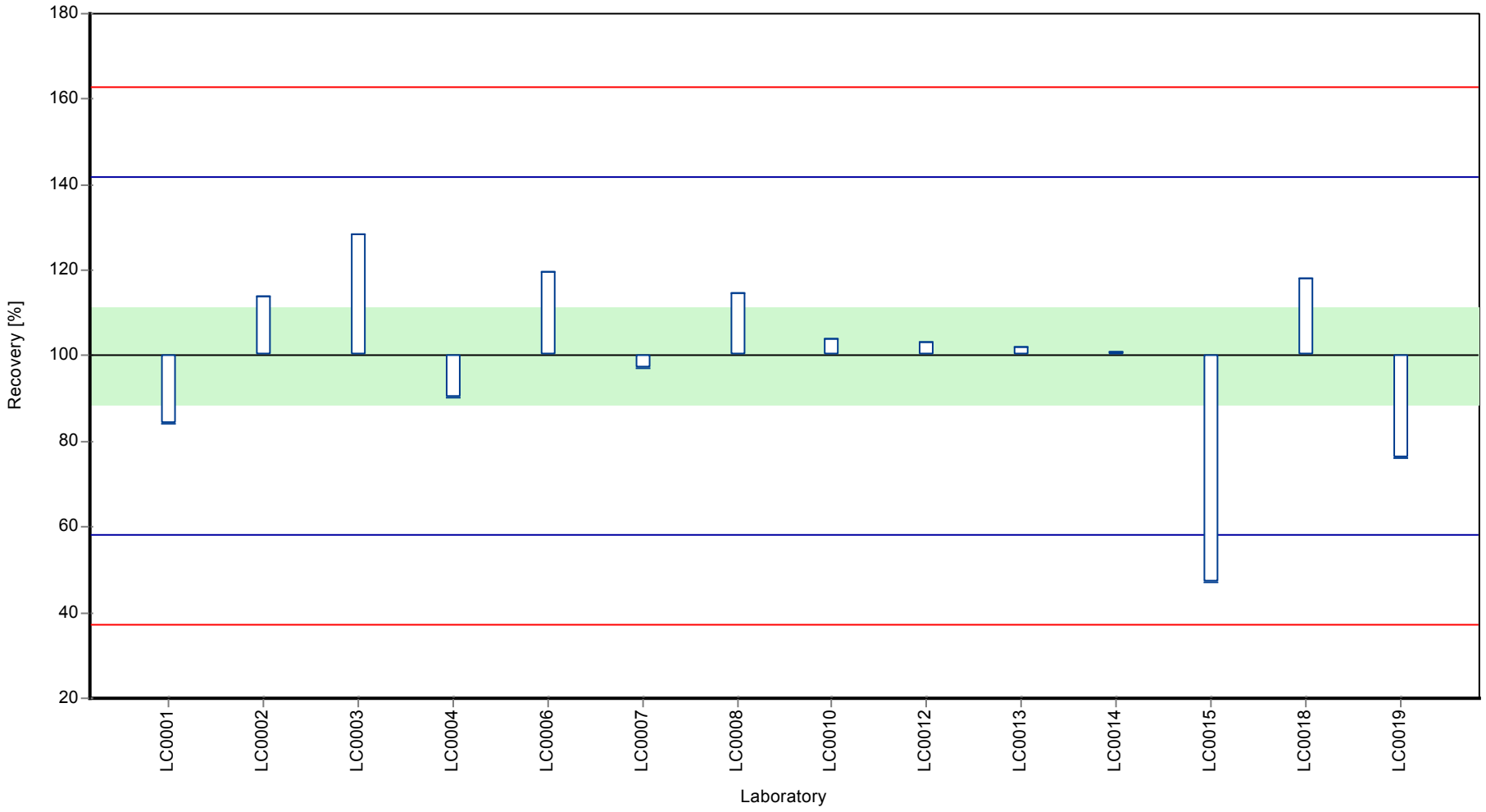
	all results	without outliers	Unit
Mean ± CI (99%)	0.629 ± 0.106	0.629 ± 0.106	µg/l
Minimum	0.296	0.296	µg/l
Maximum	0.808	0.808	µg/l
Standard deviation	0.132	0.132	µg/l
rel. Standard deviation	21	21	%
n	14	14	-

Graphical presentation of results

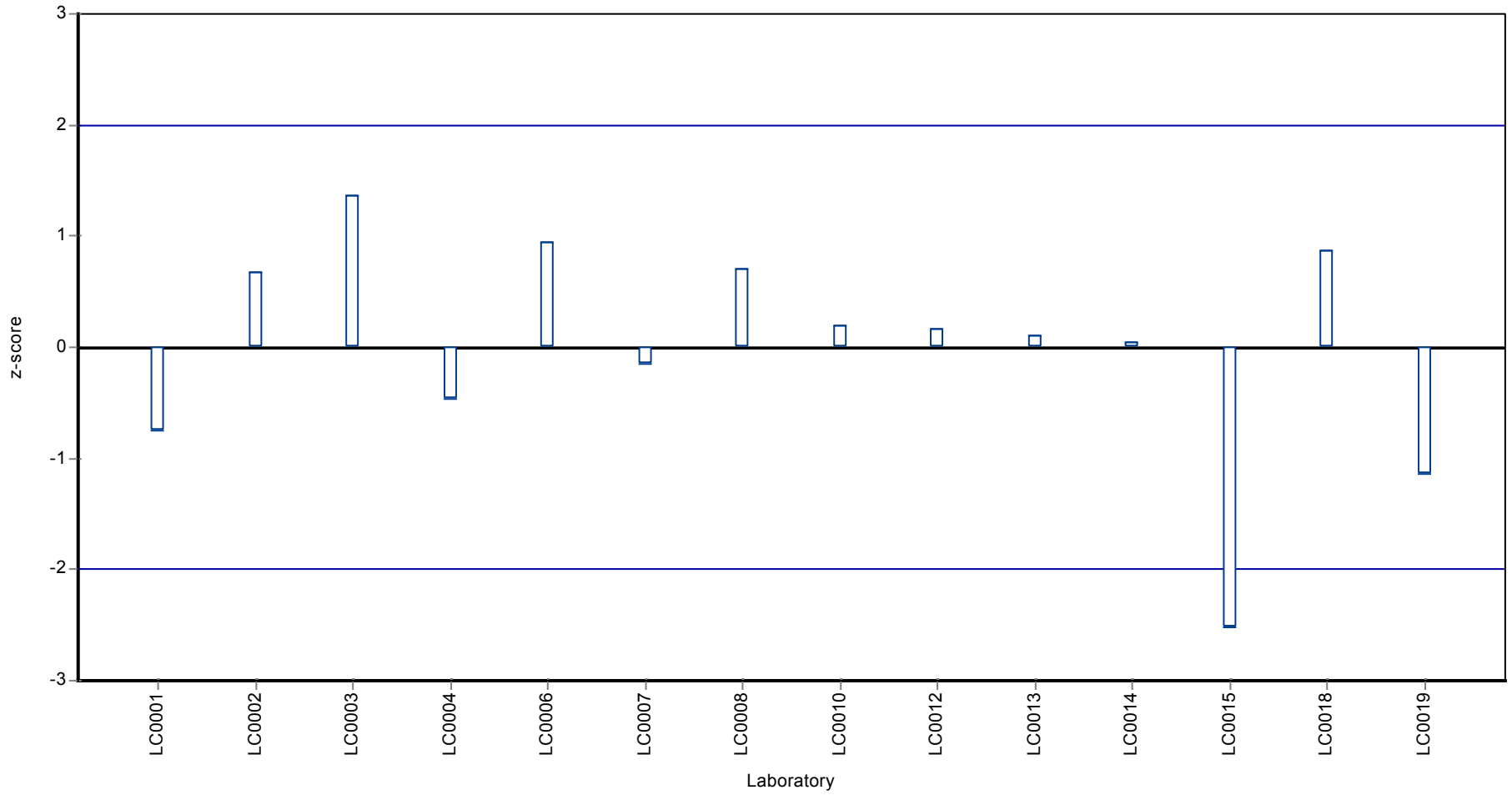
Results



Recovery rate



Z-score


3
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z-score
LC0001
LC0002
LC0003
LC0004
LC0006
LC0007
LC0008
LC0010
LC0012
LC0013
LC0014
LC0015
LC0018
LC0019
Laboratory

Parameter oriented report

H100 A

Chloridazon-desphenyl

Unit	µg/l
Mean ± CI (99%)	0.167 ± 0.0231
Minimum - Maximum	0.14 - 0.209
Control test value ± U	0.145 ± 0.0232

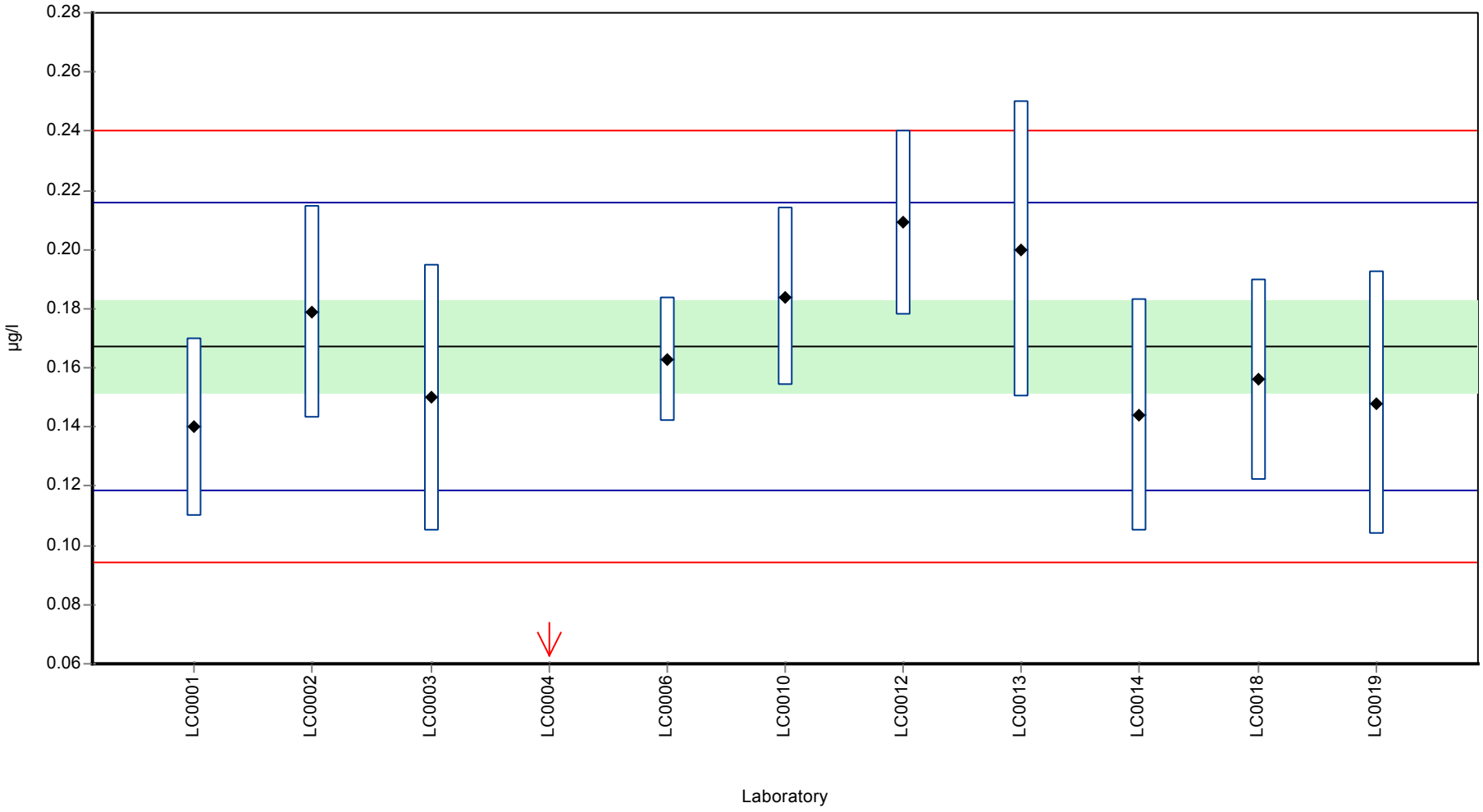
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.14	0.03	83.7	-1.12	
LC0002	0.179	0.036	107	0.48	
LC0003	0.15	0.045	89.7	-0.71	
LC0004	0.052	0.008	31.1	-4.74	H
LC0005	-	-	-	-	
LC0006	0.163	0.021	97.4	-0.18	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	-	-	-	-	
LC0010	0.184	0.03	110	0.69	
LC0011	-	-	-	-	
LC0012	0.209	0.03135	125	1.71	
LC0013	0.2	0.05	120	1.34	
LC0014	0.144	0.039	86.1	-0.96	
LC0015	-	-	-	-	
LC0016	-	-	-	-	
LC0017	-	-	-	-	
LC0018	0.156	0.034	93.2	-0.46	
LC0019	0.148	0.0444	88.5	-0.79	

Characteristics of parameter

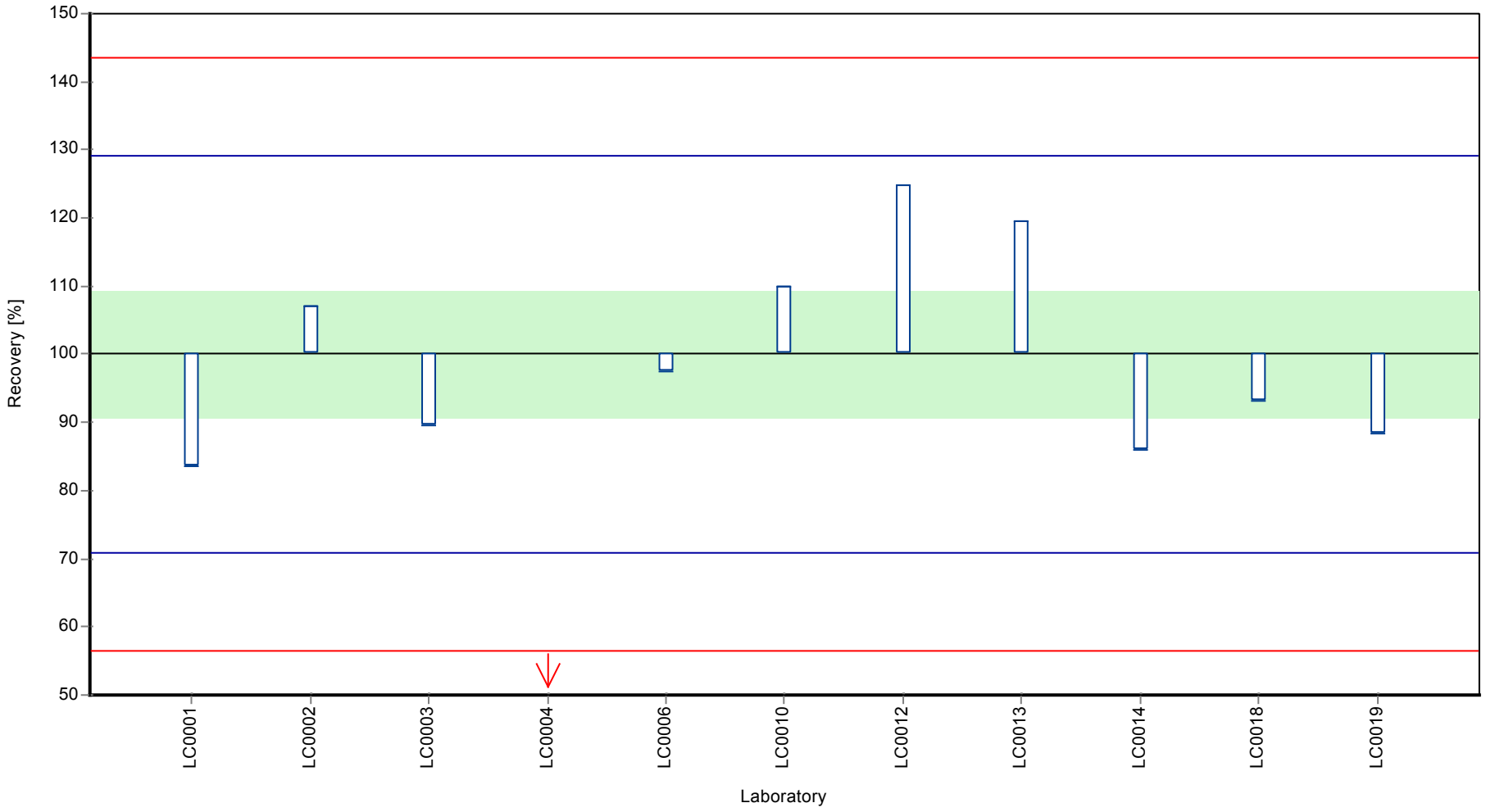
	all results	without outliers	Unit
Mean ± CI (99%)	0.157 ± 0.0377	0.167 ± 0.0231	µg/l
Minimum	0.052	0.14	µg/l
Maximum	0.209	0.209	µg/l
Standard deviation	0.0417	0.0243	µg/l
rel. Standard deviation	26.6	14.5	%
n	11	10	-

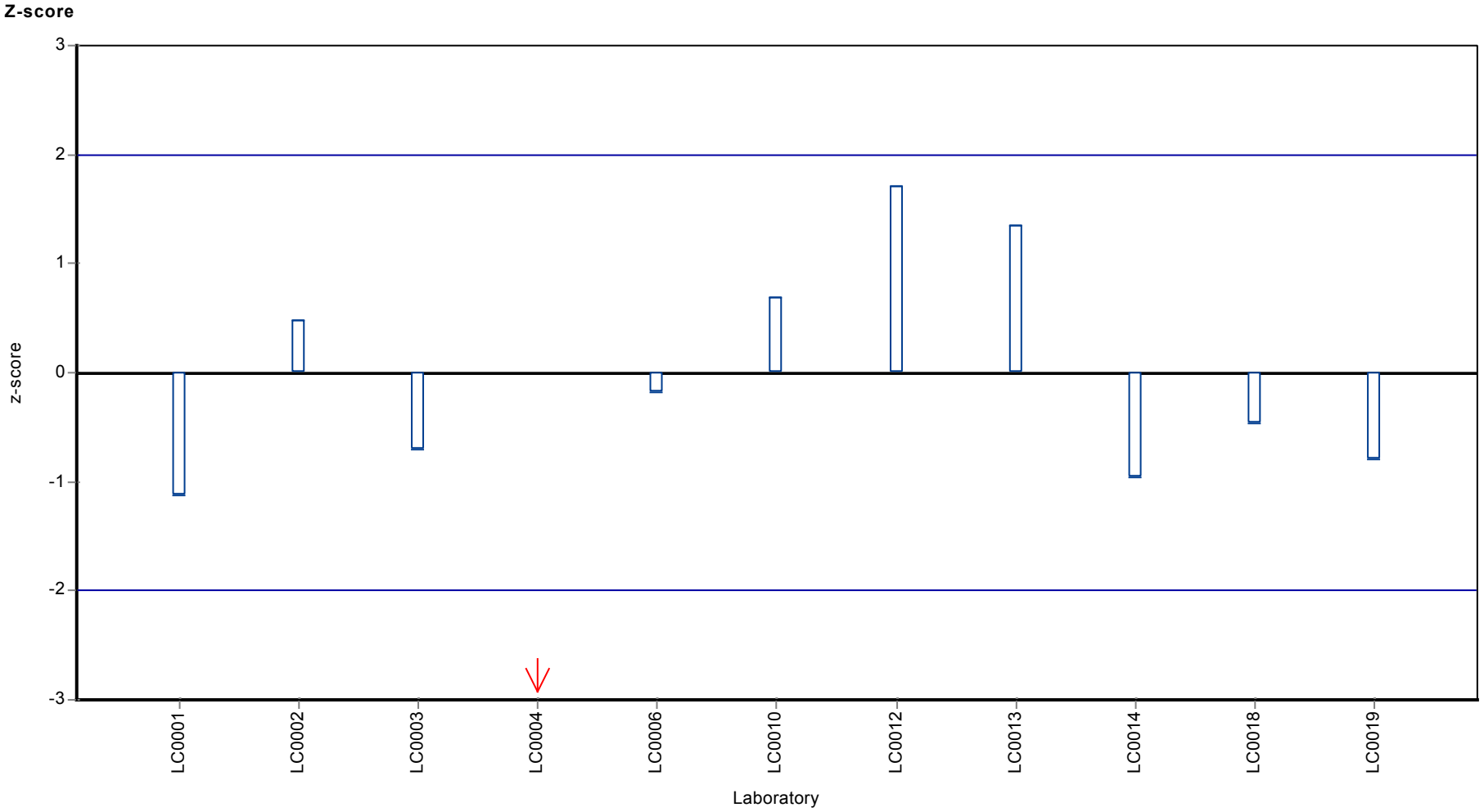
Graphical presentation of results

Results



Recovery rate




Z-score
3
2
1
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-1
-2
-3
z-score
LC0001
LC0002
LC0003
LC0004
LC0006
LC0010
LC0012
LC0013
LC0014
LC0018
LC0019
Laboratory

Parameter oriented report

H100 B

Chloridazon-desphenyl

Unit	µg/l
Mean ± CI (99%)	0.435 ± 0.0609
Minimum - Maximum	0.35 - 0.559
Control test value ± U	0.355 ± 0.0568

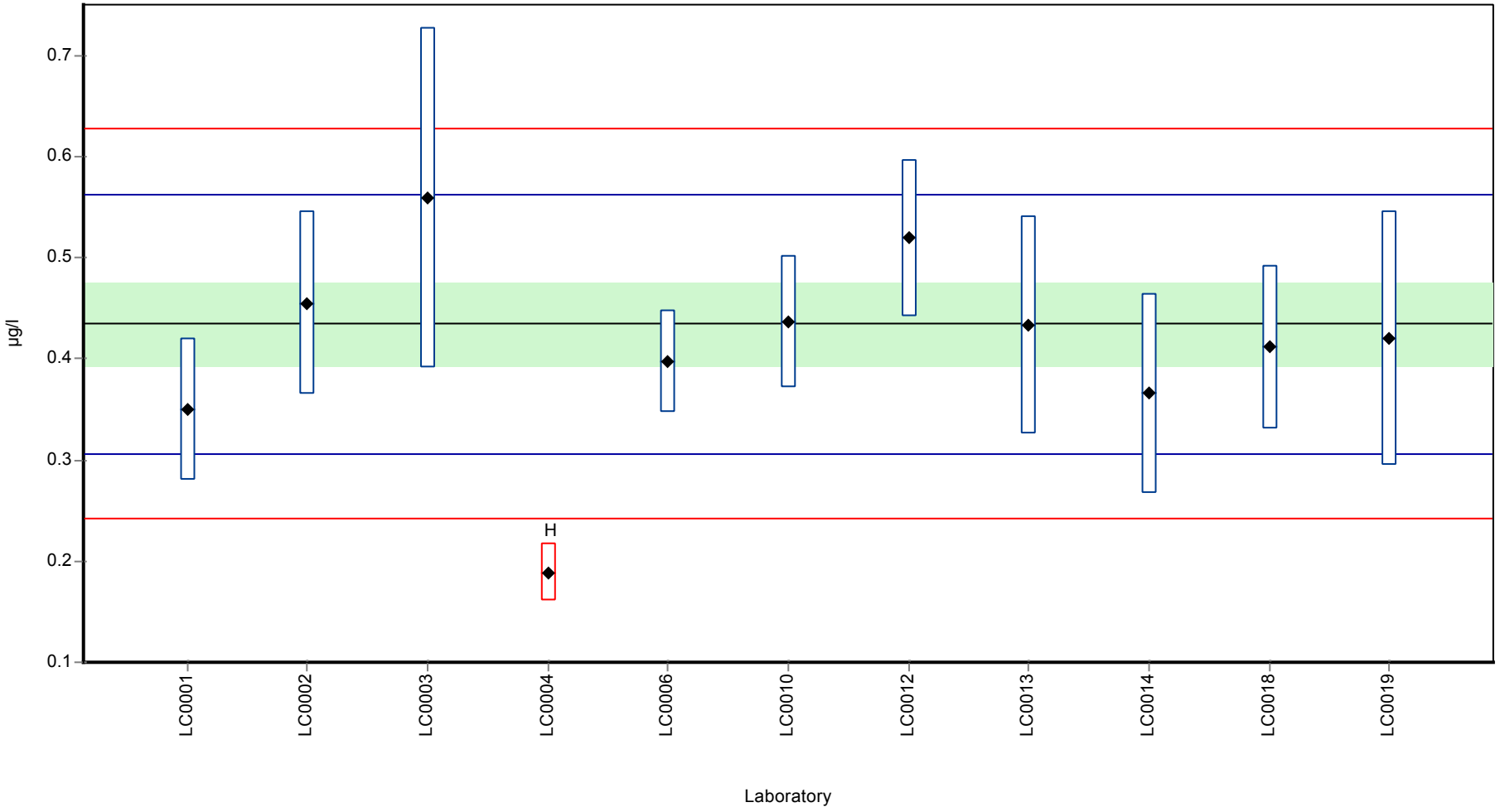
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.35	0.07	80.5	-1.32	
LC0002	0.455	0.091	105	0.32	
LC0003	0.559	0.168	129	1.94	
LC0004	0.189	0.028	43.5	-3.83	H
LC0005	-	-	-	-	
LC0006	0.397	0.051	91.3	-0.59	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	-	-	-	-	
LC0010	0.436	0.065	100	0.02	
LC0011	-	-	-	-	
LC0012	0.519	0.07785	119	1.31	
LC0013	0.433	0.108	99.6	-0.03	
LC0014	0.366	0.099	84.2	-1.07	
LC0015	-	-	-	-	
LC0016	-	-	-	-	
LC0017	-	-	-	-	
LC0018	0.4114	0.0812	94.7	-0.36	
LC0019	0.42	0.126	96.6	-0.23	

Characteristics of parameter

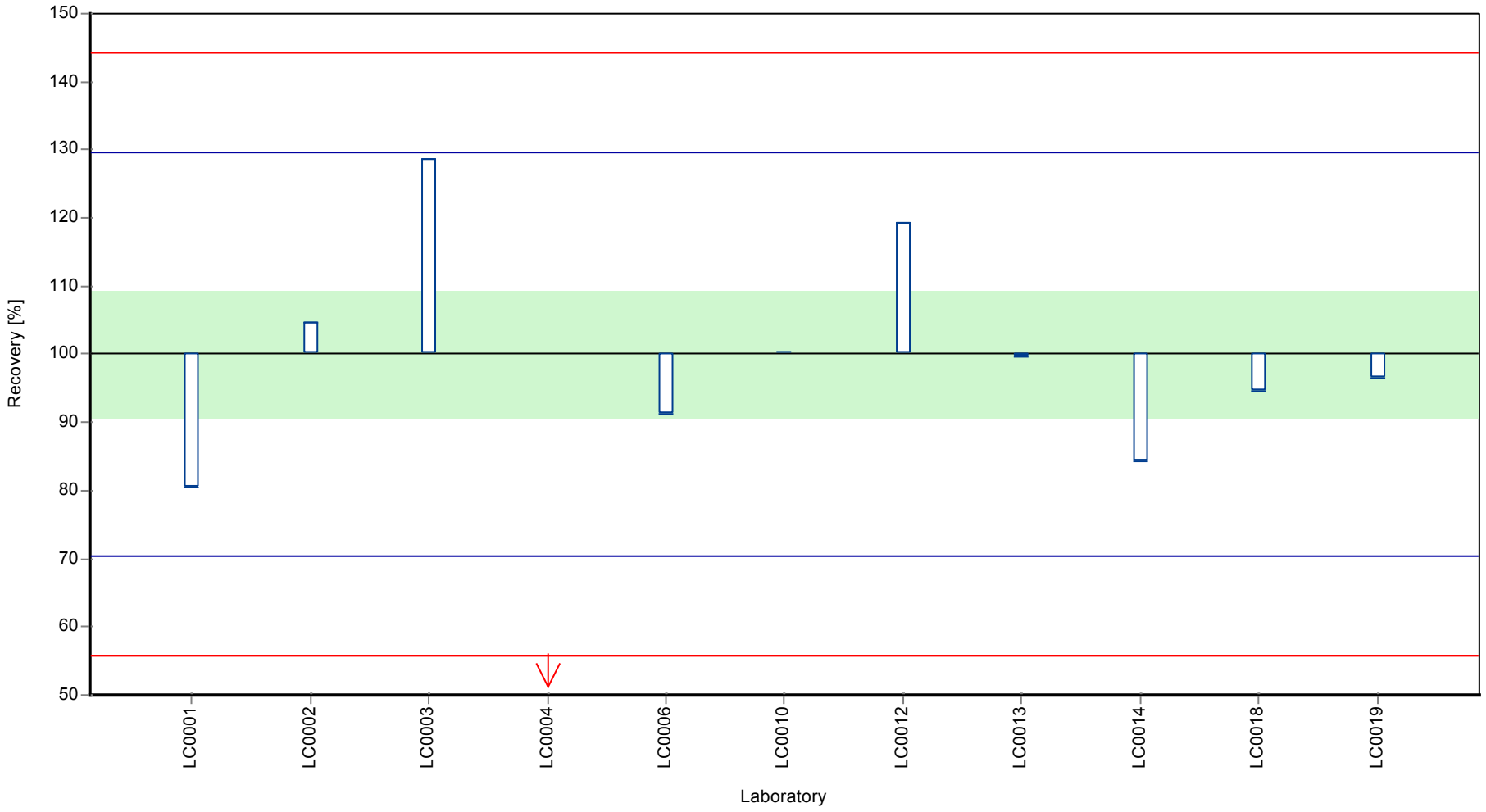
	all results	without outliers	Unit
Mean ± CI (99%)	0.412 ± 0.0867	0.435 ± 0.0609	µg/l
Minimum	0.189	0.35	µg/l
Maximum	0.559	0.559	µg/l
Standard deviation	0.0959	0.0642	µg/l
rel. Standard deviation	23.3	14.8	%
n	11	10	-

Graphical presentation of results

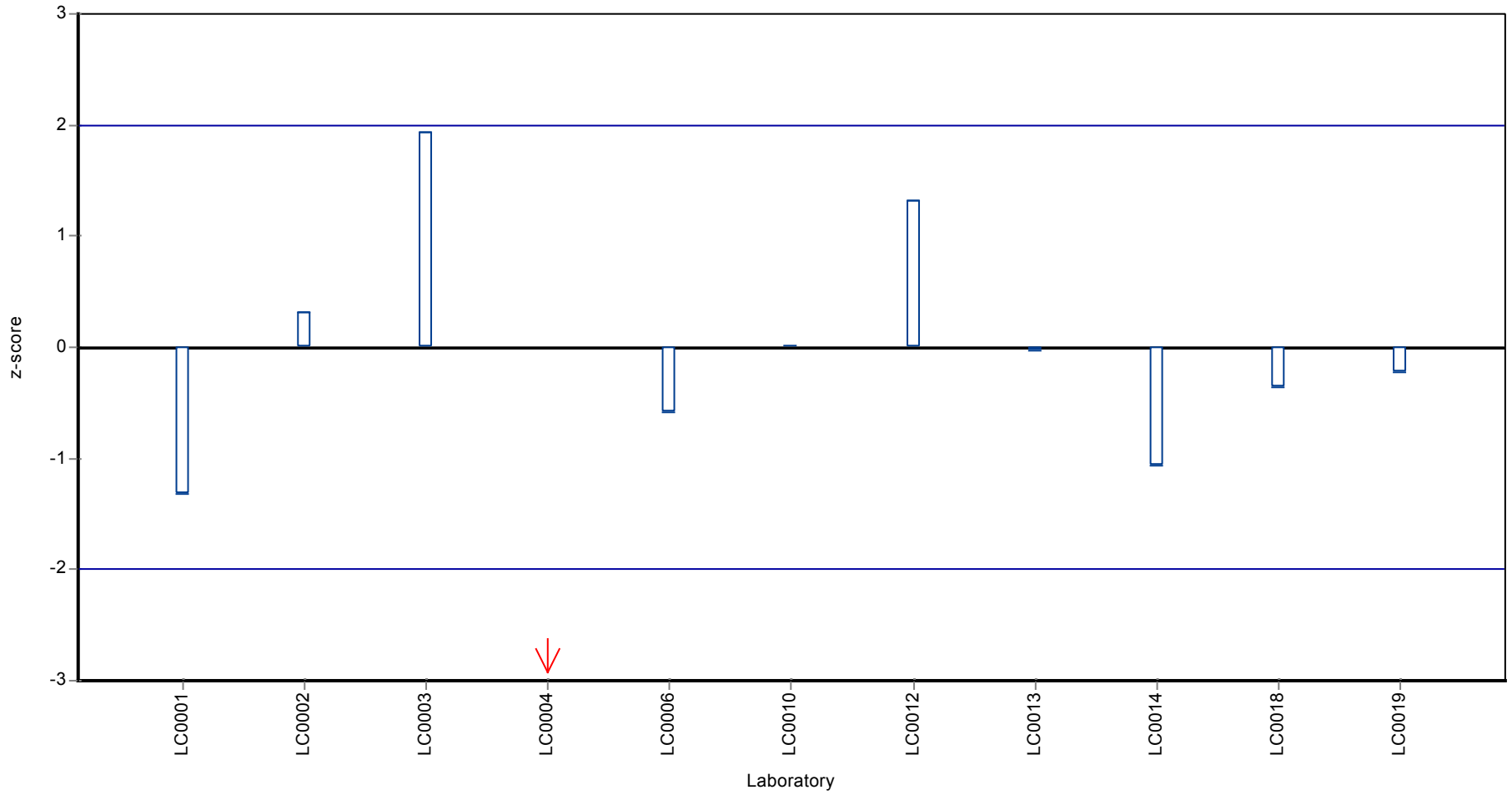
Results



Recovery rate



Z-score


3
2
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-1
-2
-3
z-score
LC0001
LC0002
LC0003
LC0004
LC0006
LC0010
LC0012
LC0013
LC0014
LC0018
LC0019
Laboratory

Parameter oriented report

H100 A

Chloridazon-methyl-desphenyl

Unit	µg/l
Mean ± CI (99%)	0.0945 ± 0.00989
Minimum - Maximum	0.078 - 0.104
Control test value ± U	0.101 ± 0.0161

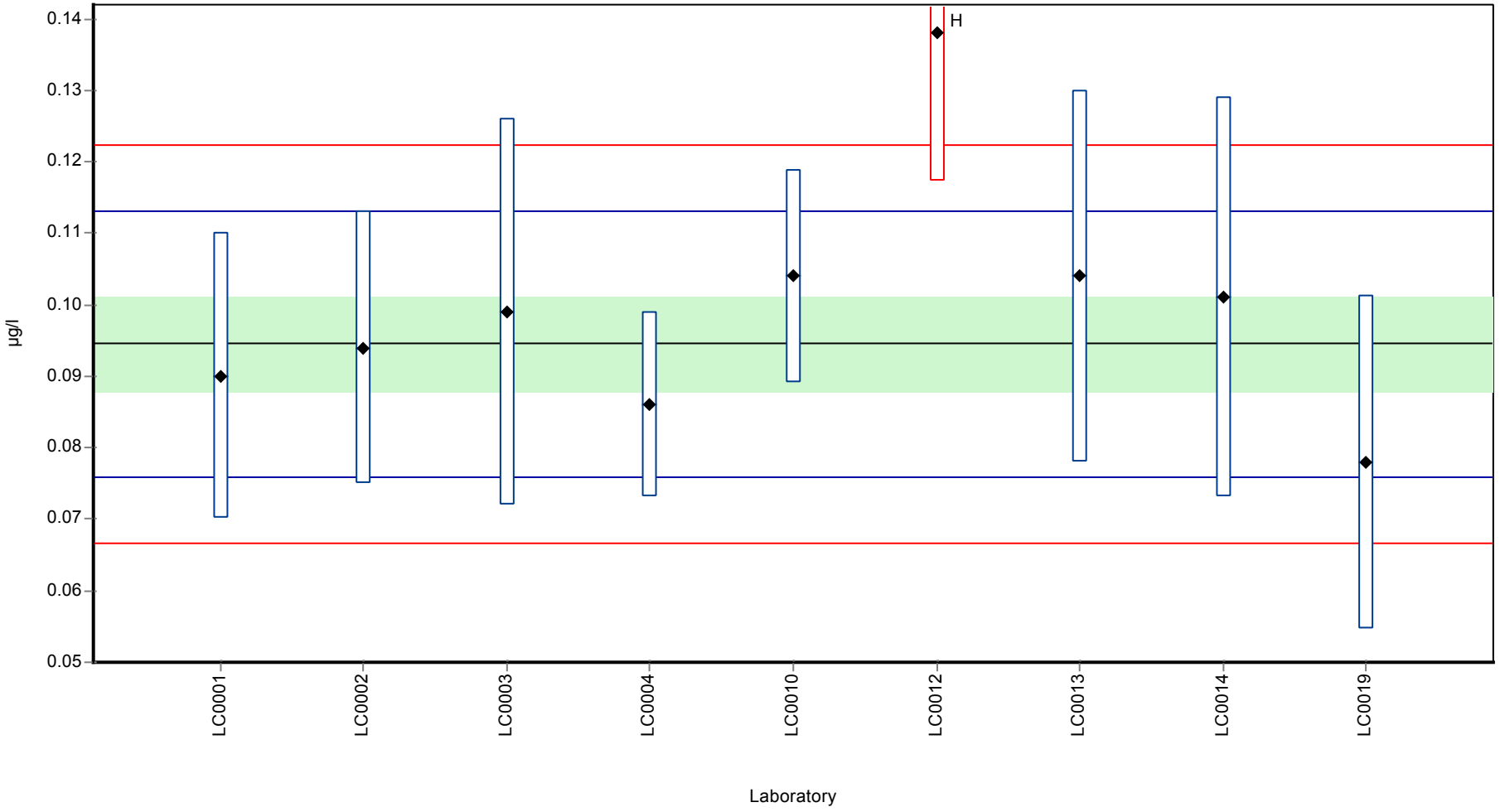
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.09	0.02	95.2	-0.48	
LC0002	0.094	0.019	99.5	-0.05	
LC0003	0.099	0.027	105	0.48	
LC0004	0.086	0.013	91	-0.91	
LC0005	-	-	-	-	
LC0006	-	-	-	-	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	-	-	-	-	
LC0010	0.104	0.015	110	1.02	
LC0011	-	-	-	-	
LC0012	0.138	0.0207	146	4.67	H
LC0013	0.104	0.026	110	1.02	
LC0014	0.101	0.028	107	0.7	
LC0015	-	-	-	-	
LC0016	-	-	-	-	
LC0017	-	-	-	-	
LC0018	-	-	-	-	
LC0019	0.078	0.0234	82.5	-1.77	

Characteristics of parameter

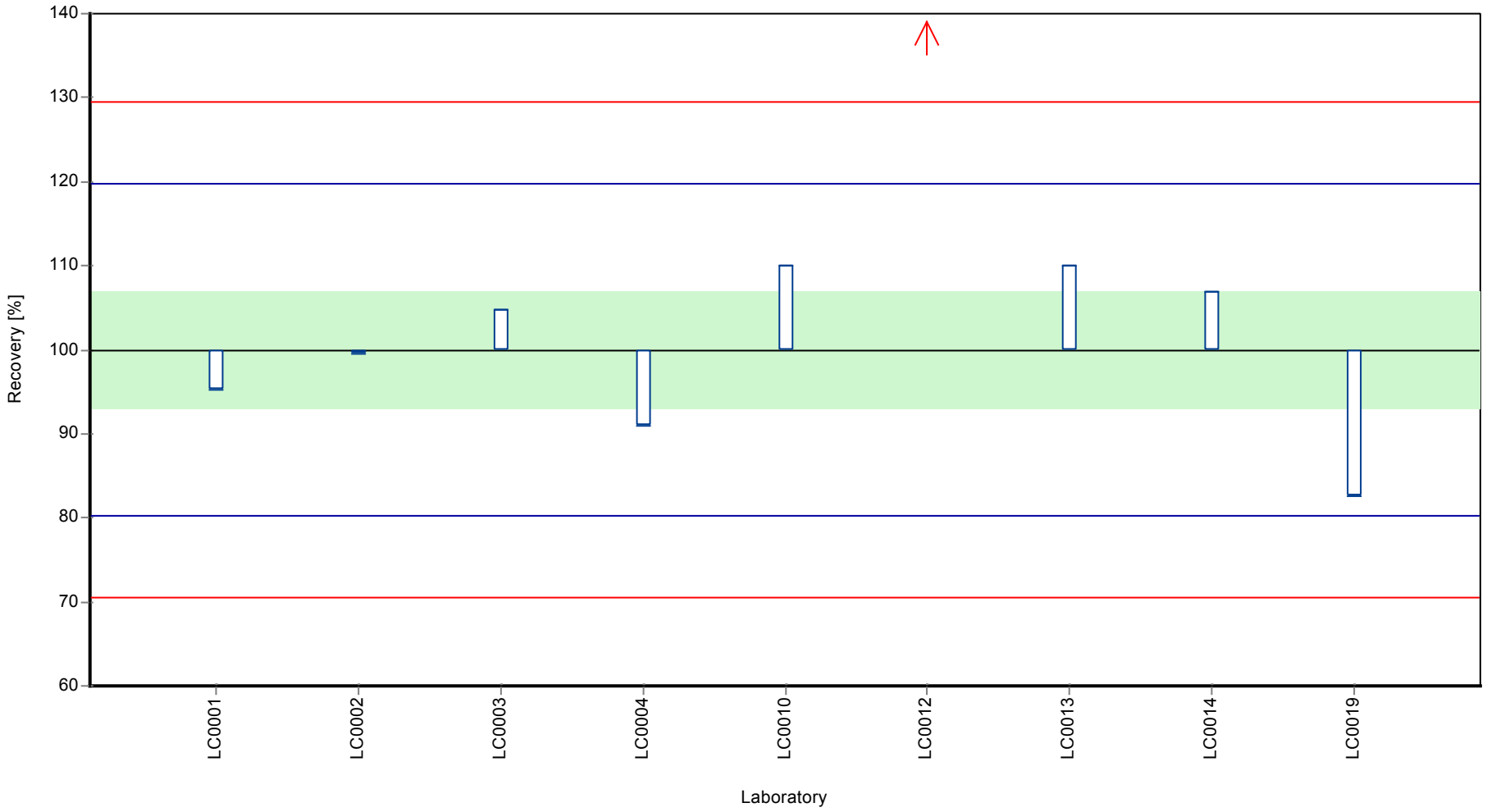
	all results	without outliers	Unit
Mean ± CI (99%)	0.0993 ± 0.0169	0.0945 ± 0.00989	µg/l
Minimum	0.078	0.078	µg/l
Maximum	0.138	0.104	µg/l
Standard deviation	0.0169	0.00932	µg/l
rel. Standard deviation	17	9.86	%
n	9	8	-

Graphical presentation of results

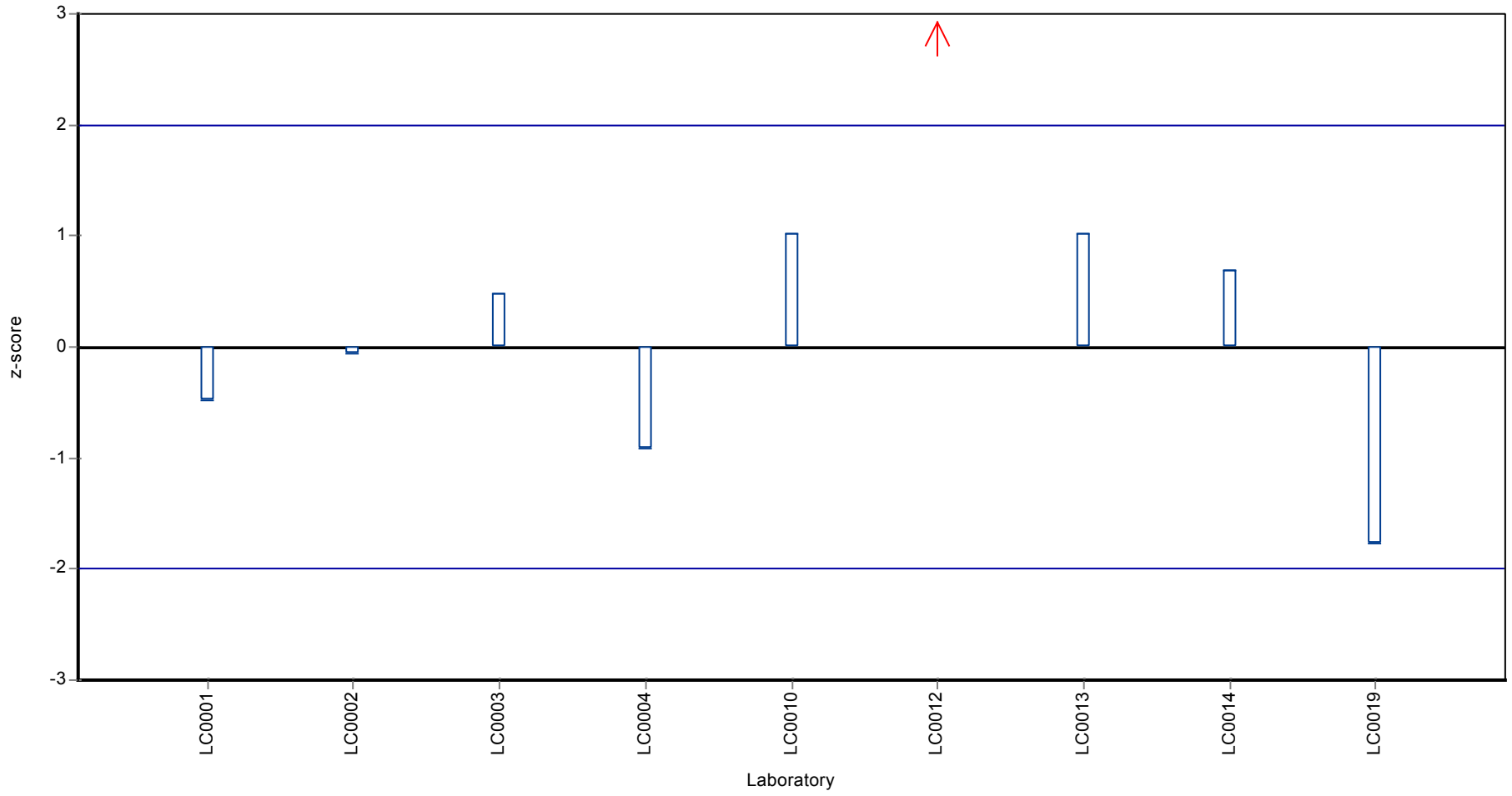
Results



Recovery rate



Z-score


3
2
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-1
-2
-3
z-score
LC0001
LC0002
LC0003
LC0004
LC0010
LC0012
LC0013
LC0014
LC0019
Laboratory

Parameter oriented report

H100 B

Chloridazon-methyl-desphenyl

Unit	µg/l
Mean ± CI (99%)	0.0287 ± 0.00374
Minimum - Maximum	0.024 - 0.034
Control test value ± U	<0.05 (BG)

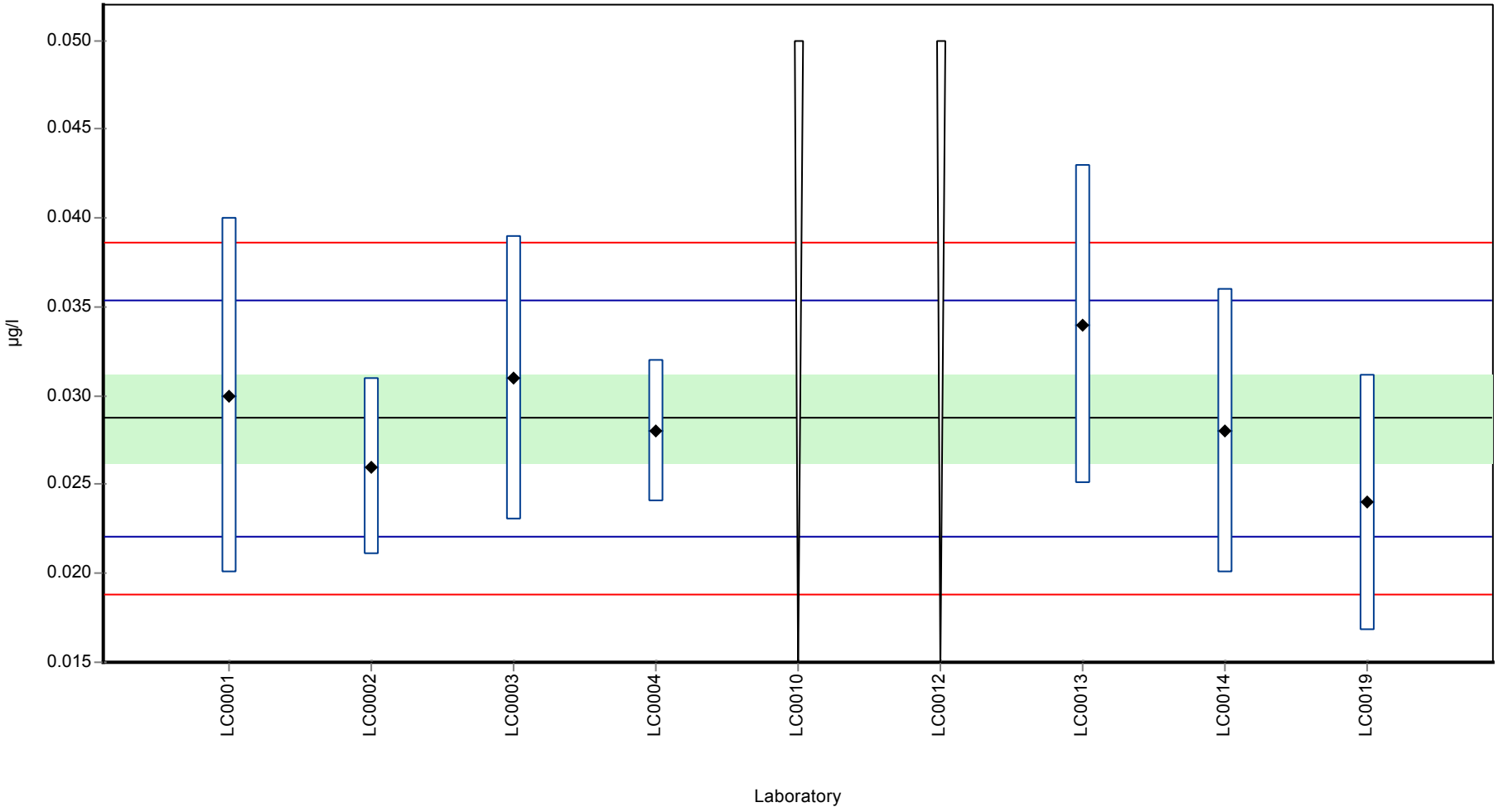
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.03	0.01	104	0.39	
LC0002	0.026	0.005	90.5	-0.82	
LC0003	0.031	0.008	108	0.69	
LC0004	0.028	0.004	97.5	-0.22	
LC0005	-	-	-	-	
LC0006	-	-	-	-	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	-	-	-	-	
LC0010	< 0.05 (LOQ)	-	-	-	
LC0011	-	-	-	-	
LC0012	< 0.05 (LOQ)	-	-	-	
LC0013	0.034	0.009	118	1.6	
LC0014	0.028	0.008	97.5	-0.22	
LC0015	-	-	-	-	
LC0016	-	-	-	-	
LC0017	-	-	-	-	
LC0018	-	-	-	-	
LC0019	0.024	0.0072	83.6	-1.43	

Characteristics of parameter

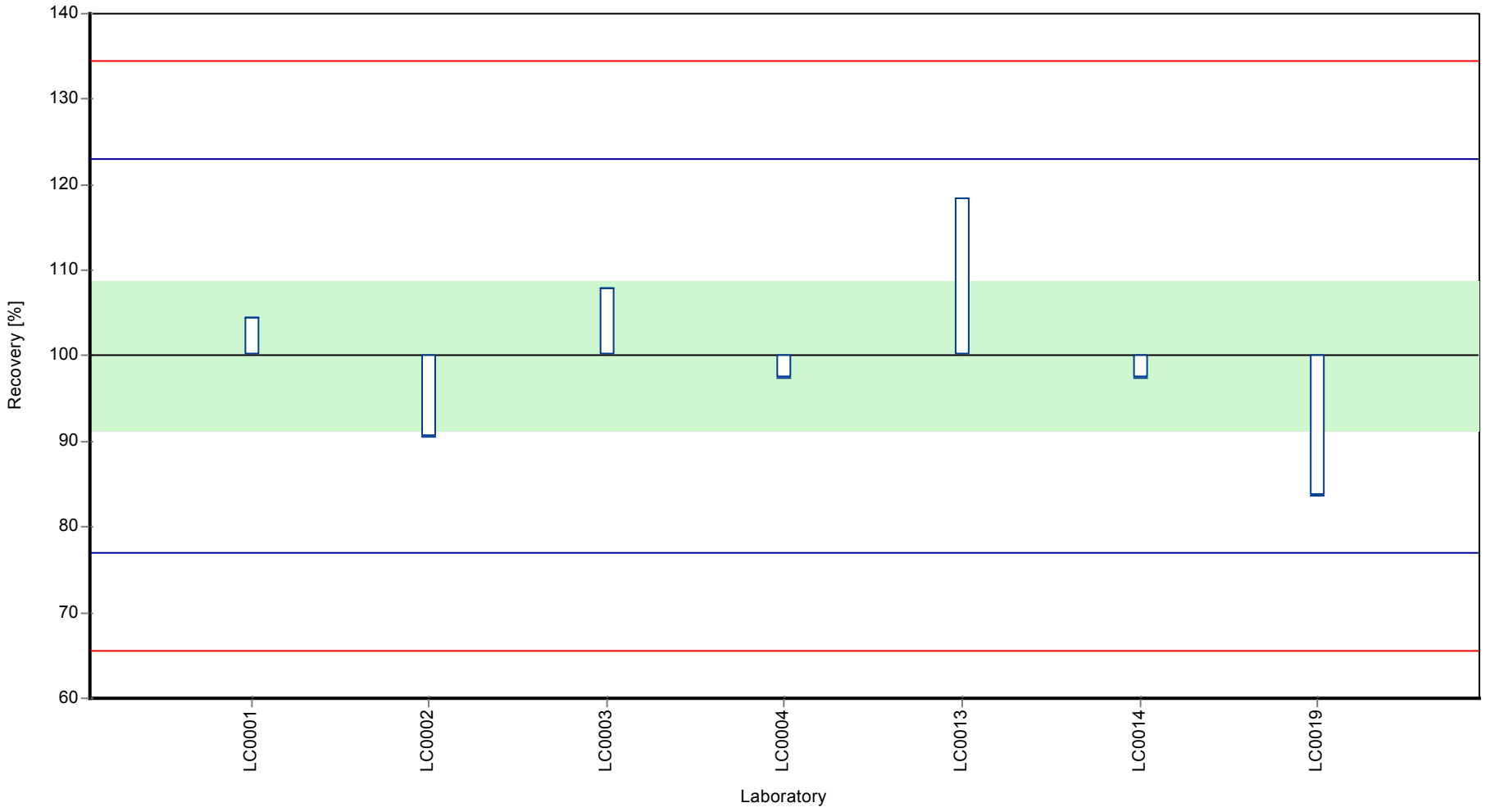
	all results	without outliers	Unit
Mean ± CI (99%)	0.0287 ± 0.00374	0.0287 ± 0.00374	µg/l
Minimum	0.024	0.024	µg/l
Maximum	0.034	0.034	µg/l
Standard deviation	0.0033	0.0033	µg/l
rel. Standard deviation	11.5	11.5	%
n	7	7	-

Graphical presentation of results

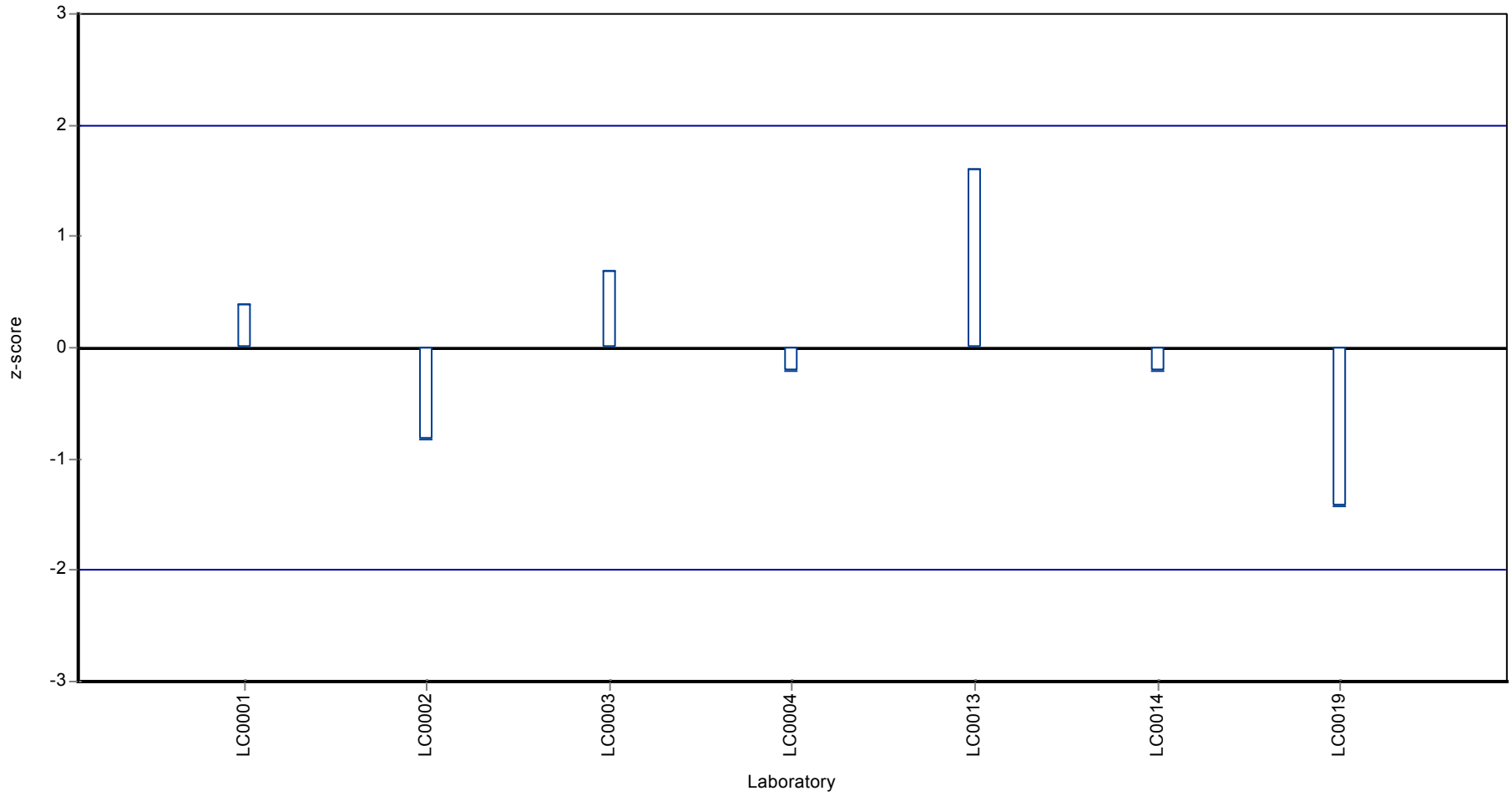
Results



Recovery rate



Z-score


3
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-1
-2
-3
z-score
LC0001
LC0002
LC0003
LC0004
LC0013
LC0014
LC0019
Laboratory

Parameter oriented report

H100 A

Clopyralid

Unit	µg/l
Mean ± CI (99%)	-
Minimum - Maximum	0.371 - 0.509
Control test value ± U	0.336 ± 0.0538

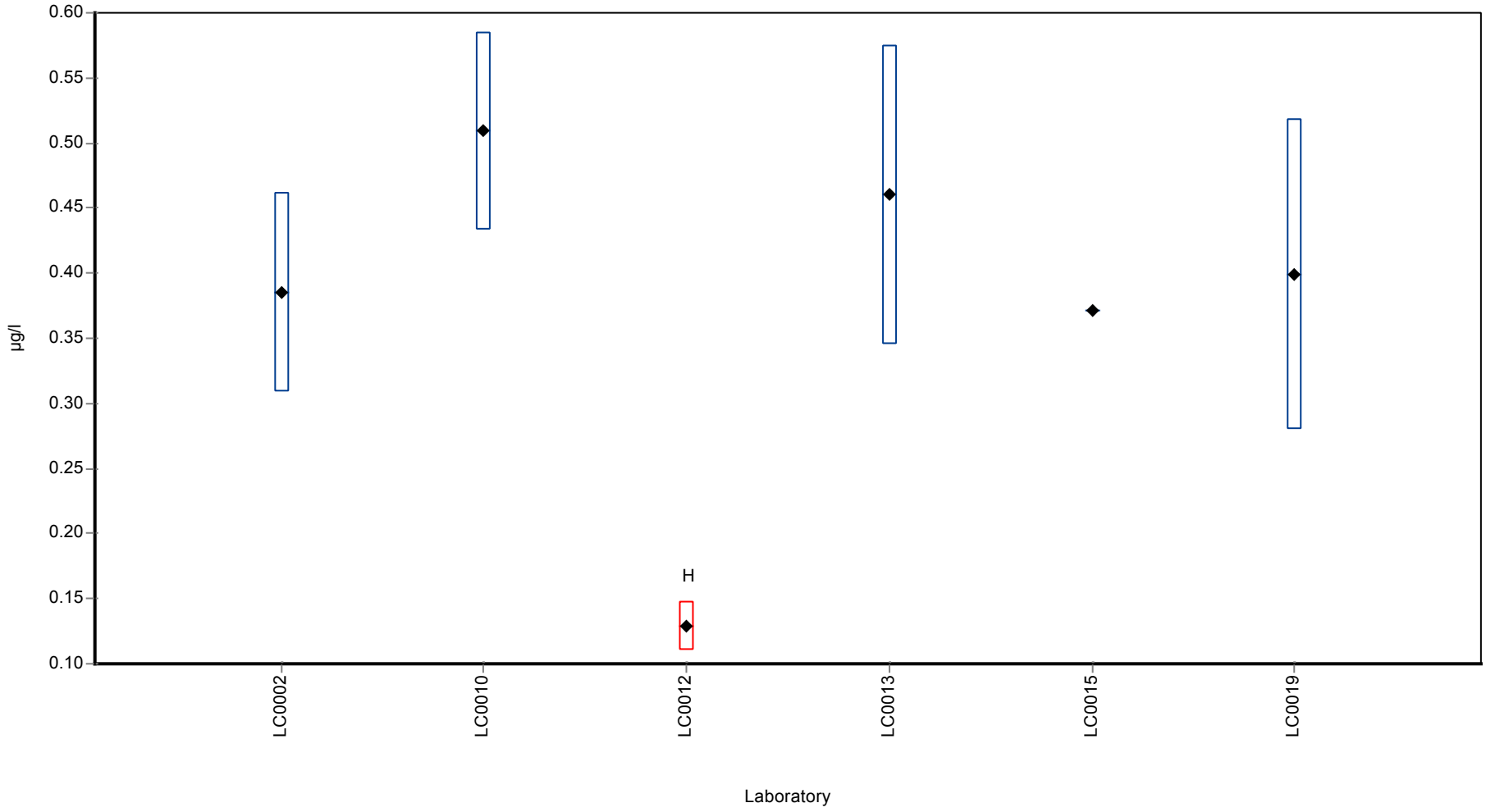
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	0.385	0.077	-	-	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	-	-	-	-	
LC0006	-	-	-	-	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	-	-	-	-	
LC0010	0.509	0.076	-	-	
LC0011	-	-	-	-	
LC0012	0.129	0.01935	-	-	H
LC0013	0.46	0.115	-	-	
LC0014	-	-	-	-	
LC0015	0.371	-	-	-	
LC0016	-	-	-	-	
LC0017	-	-	-	-	
LC0018	-	-	-	-	
LC0019	0.399	0.1197	-	-	

Characteristics of parameter

	all results	without outliers	Unit
Mean ± CI (99%)	0.376 ± 0.161	-	µg/l
Minimum	0.129	0.371	µg/l
Maximum	0.509	0.509	µg/l
Standard deviation	0.131	-	µg/l
rel. Standard deviation	35	-	%
n	6	5	-

Graphical presentation of results

Results



Parameter oriented report

H100 B

Clopyralid

Unit	µg/l
Mean ± CI (99%)	0.91 ± 0.294
Minimum - Maximum	0.459 - 1.12
Control test value ± U	0.892 ± 0.143

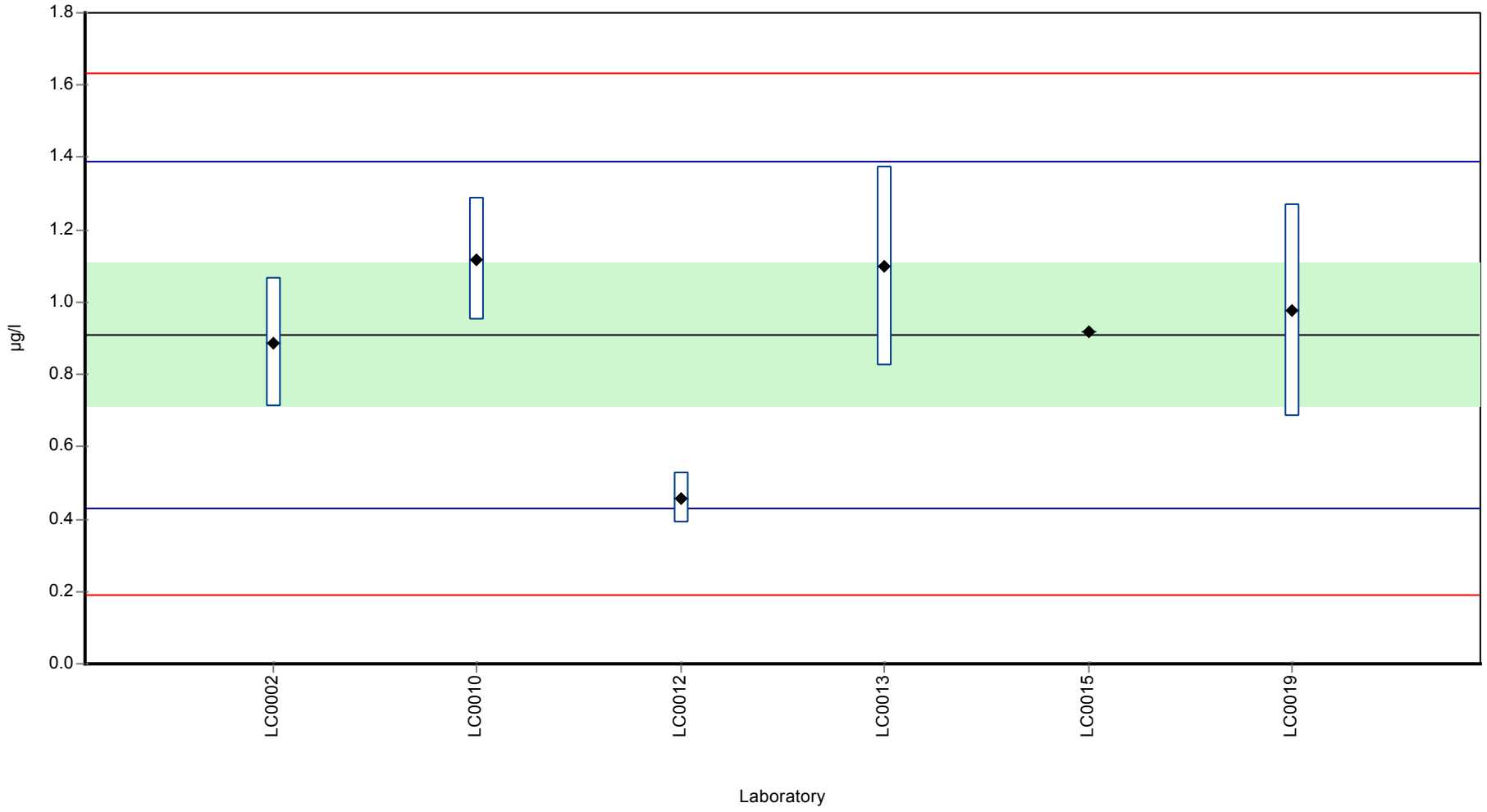
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	0.888	0.178	97.5	-0.09	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	-	-	-	-	
LC0006	-	-	-	-	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	-	-	-	-	
LC0010	1.119	0.168	123	0.87	
LC0011	-	-	-	-	
LC0012	0.459	0.06885	50.4	-1.88	
LC0013	1.1	0.275	121	0.79	
LC0014	-	-	-	-	
LC0015	0.92	-	101	0.04	
LC0016	-	-	-	-	
LC0017	-	-	-	-	
LC0018	-	-	-	-	
LC0019	0.976	0.2928	107	0.27	

Characteristics of parameter

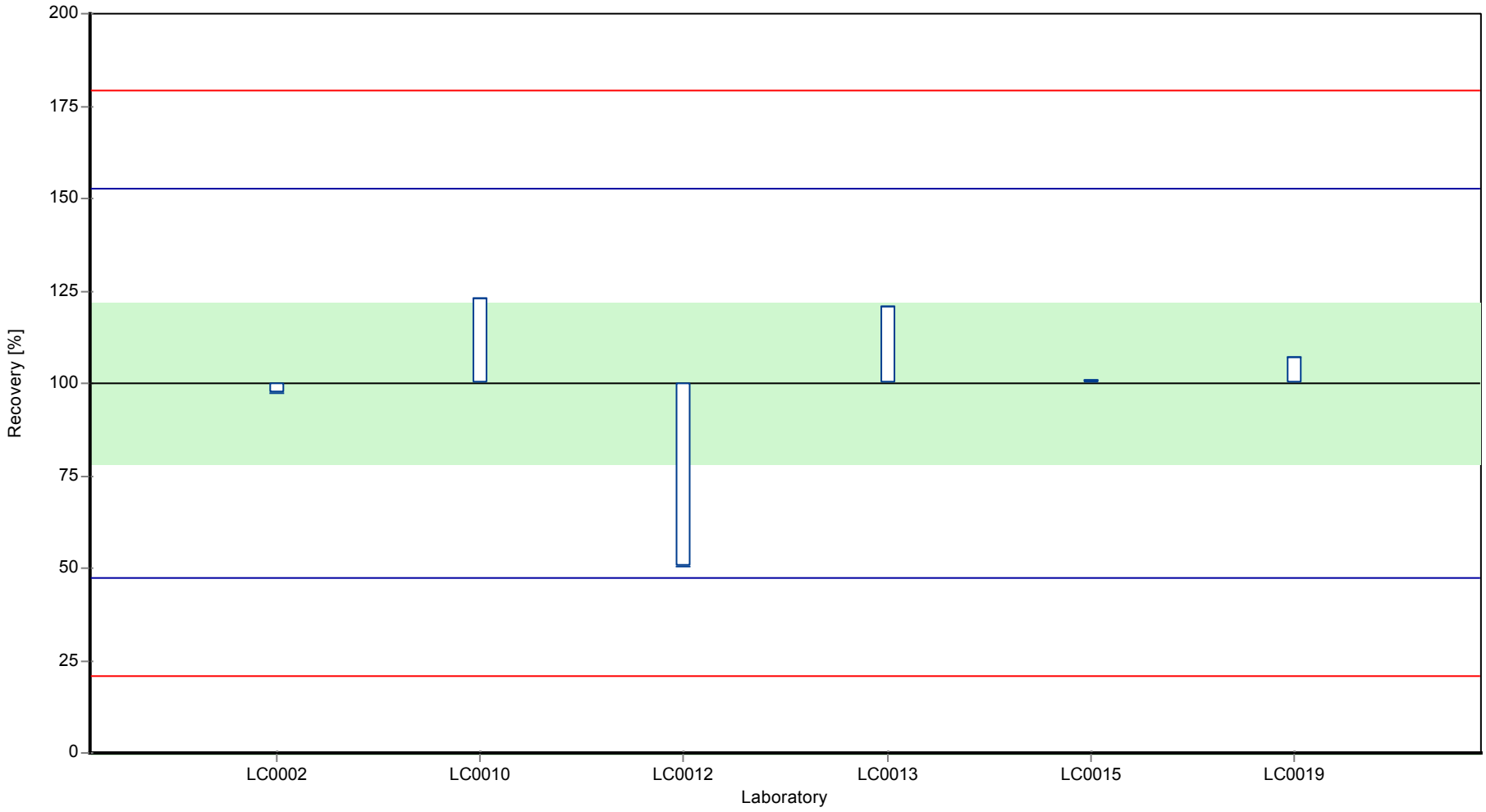
	all results	without outliers	Unit
Mean ± CI (99%)	0.91 ± 0.294	0.91 ± 0.294	µg/l
Minimum	0.459	0.459	µg/l
Maximum	1.12	1.12	µg/l
Standard deviation	0.24	0.24	µg/l
rel. Standard deviation	26.4	26.4	%
n	6	6	-

Graphical presentation of results

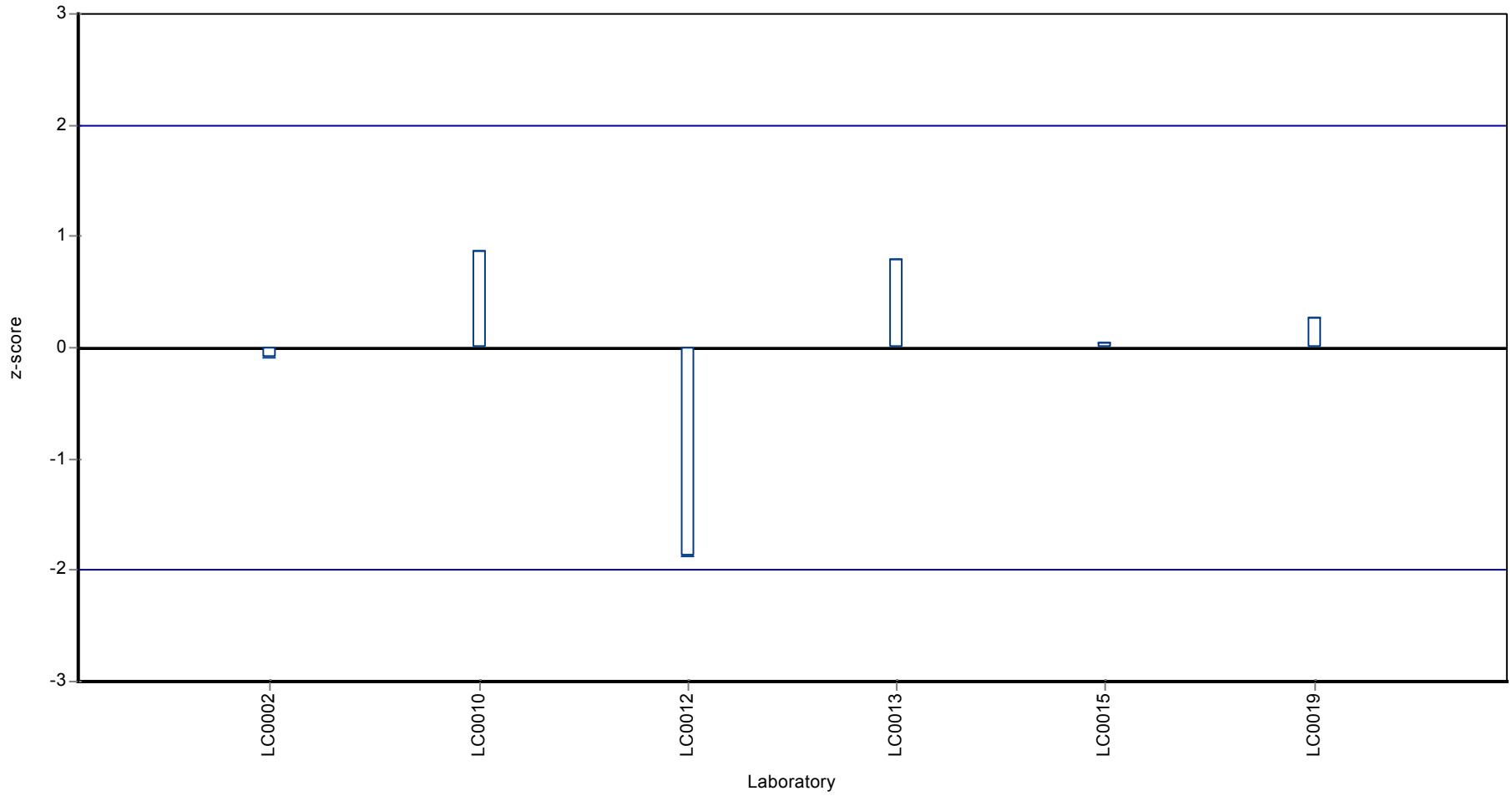
Results



Recovery rate



Z-score


3
2
1
0
-1
-2
-3
z-score
LC0002
LC0010
LC0012
LC0013
LC0015
LC0019
Laboratory

Parameter oriented report

H100 A

Cyanazine

Unit	µg/l
Mean ± CI (99%)	0.809 ± 0.078
Minimum - Maximum	0.65 - 0.946
Control test value ± U	0.697 ± 0.111

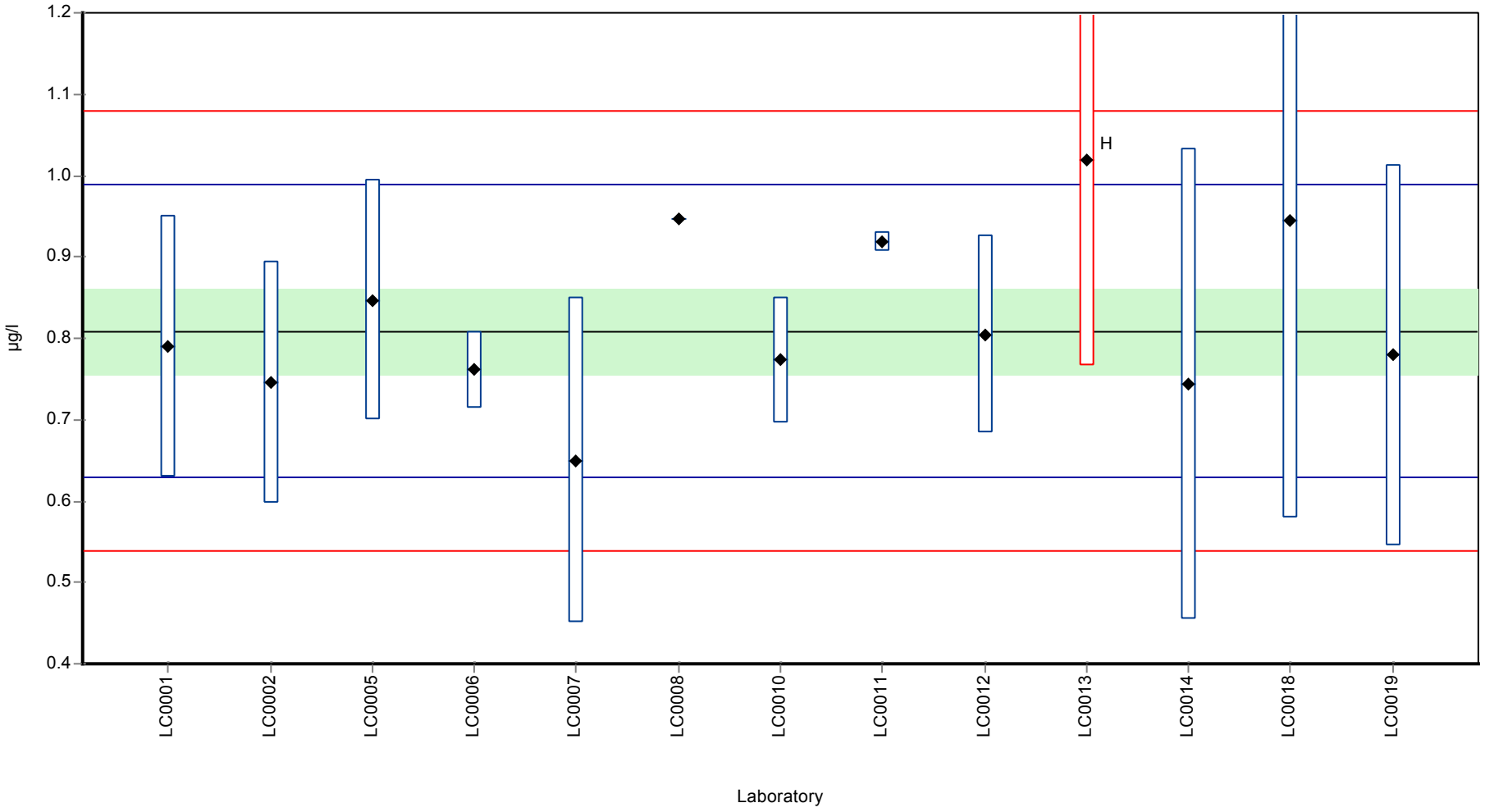
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.79	0.16	97.7	-0.21	
LC0002	0.746	0.149	92.2	-0.7	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	0.847	0.147	105	0.42	
LC0006	0.761	0.048	94.1	-0.53	
LC0007	0.65	0.2	80.4	-1.76	
LC0008	0.946	-	117	1.53	
LC0009	-	-	-	-	
LC0010	0.773	0.078	95.6	-0.4	
LC0011	0.918	0.012	114	1.21	
LC0012	0.805	0.12075	99.5	-0.04	
LC0013	1.02	0.255	126	2.35	H
LC0014	0.744	0.29	92	-0.72	
LC0015	-	-	-	-	
LC0016	-	-	-	-	
LC0017	-	-	-	-	
LC0018	0.9457	0.3676	117	1.52	
LC0019	0.779	0.2337	96.3	-0.33	

Characteristics of parameter

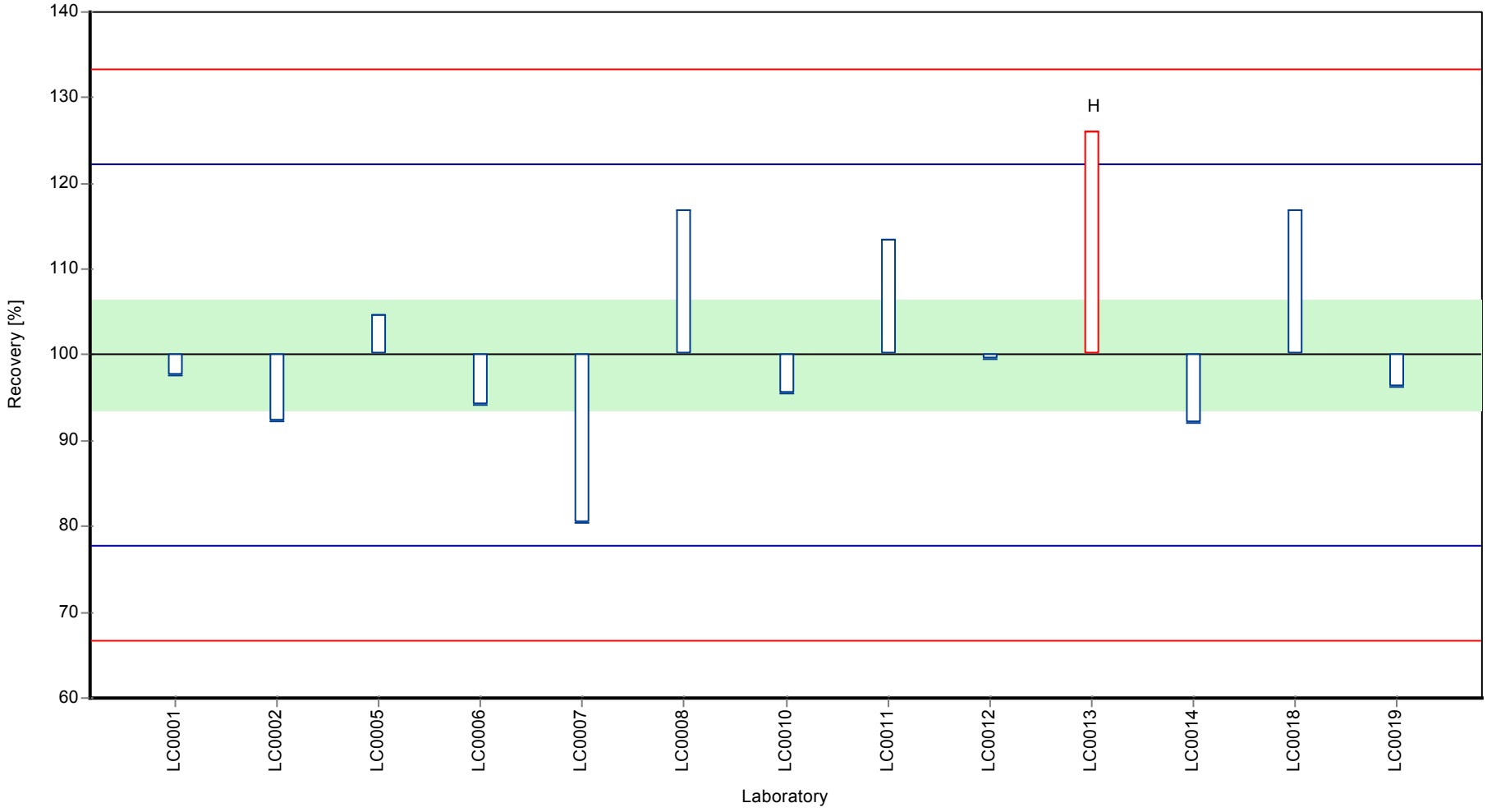
	all results	without outliers	Unit
Mean ± CI (99%)	0.825 ± 0.0867	0.809 ± 0.078	µg/l
Minimum	0.65	0.65	µg/l
Maximum	1.02	0.946	µg/l
Standard deviation	0.104	0.09	µg/l
rel. Standard deviation	12.6	11.1	%
n	13	12	-

Graphical presentation of results

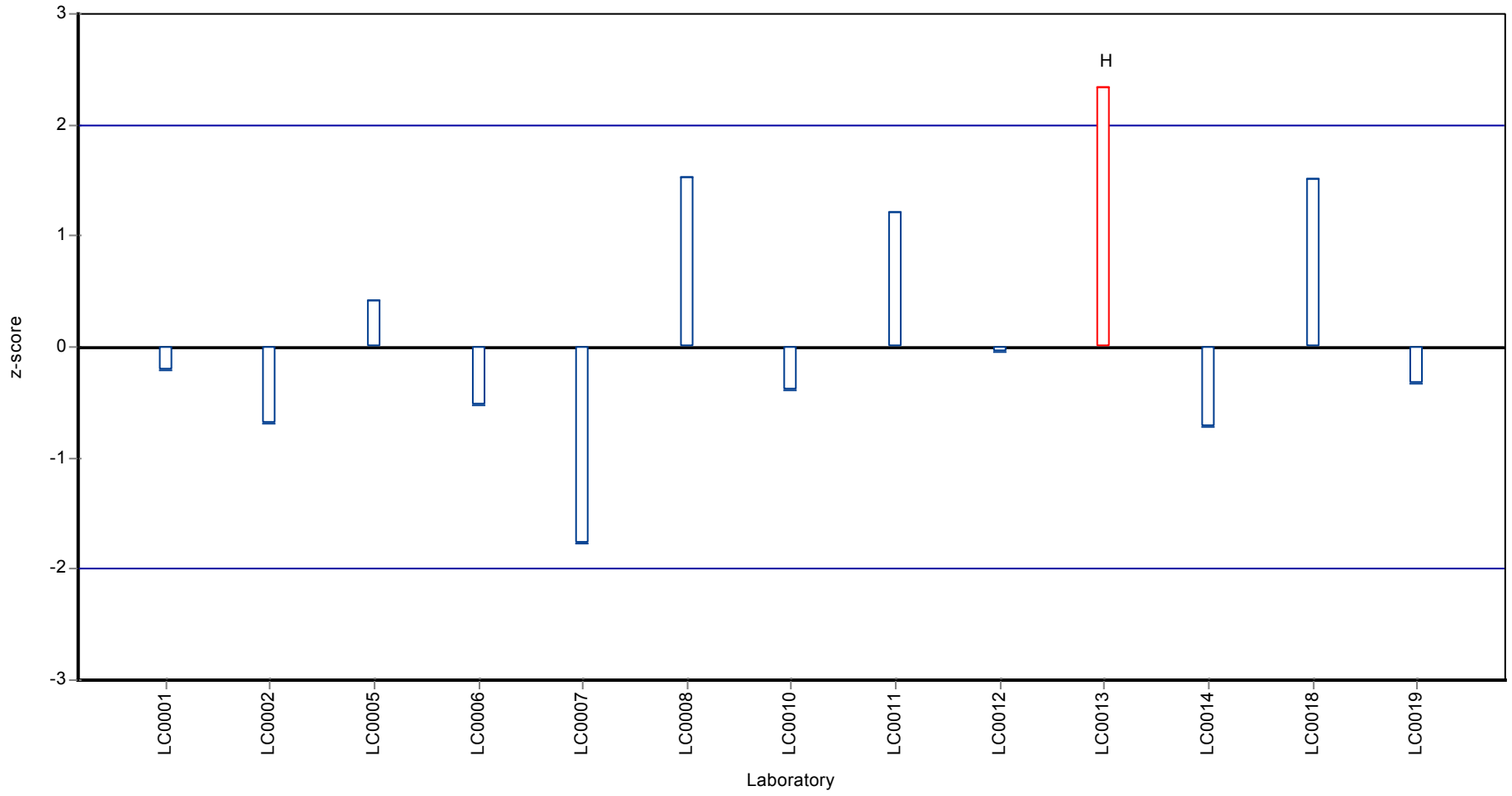
Results



Recovery rate



Z-score


3
2
1
0
-1
-2
-3
z-score
H
LC0001
LC0002
LC0005
LC0006
LC0007
LC0008
LC0010
LC0011
LC0012
LC0013
LC0014
LC0018
LC0019
Laboratory

Parameter oriented report

H100 B

Cyanazine

Unit	µg/l
Mean ± CI (99%)	0.277 ± 0.0244
Minimum - Maximum	0.229 - 0.323
Control test value ± U	0.243 ± 0.0389

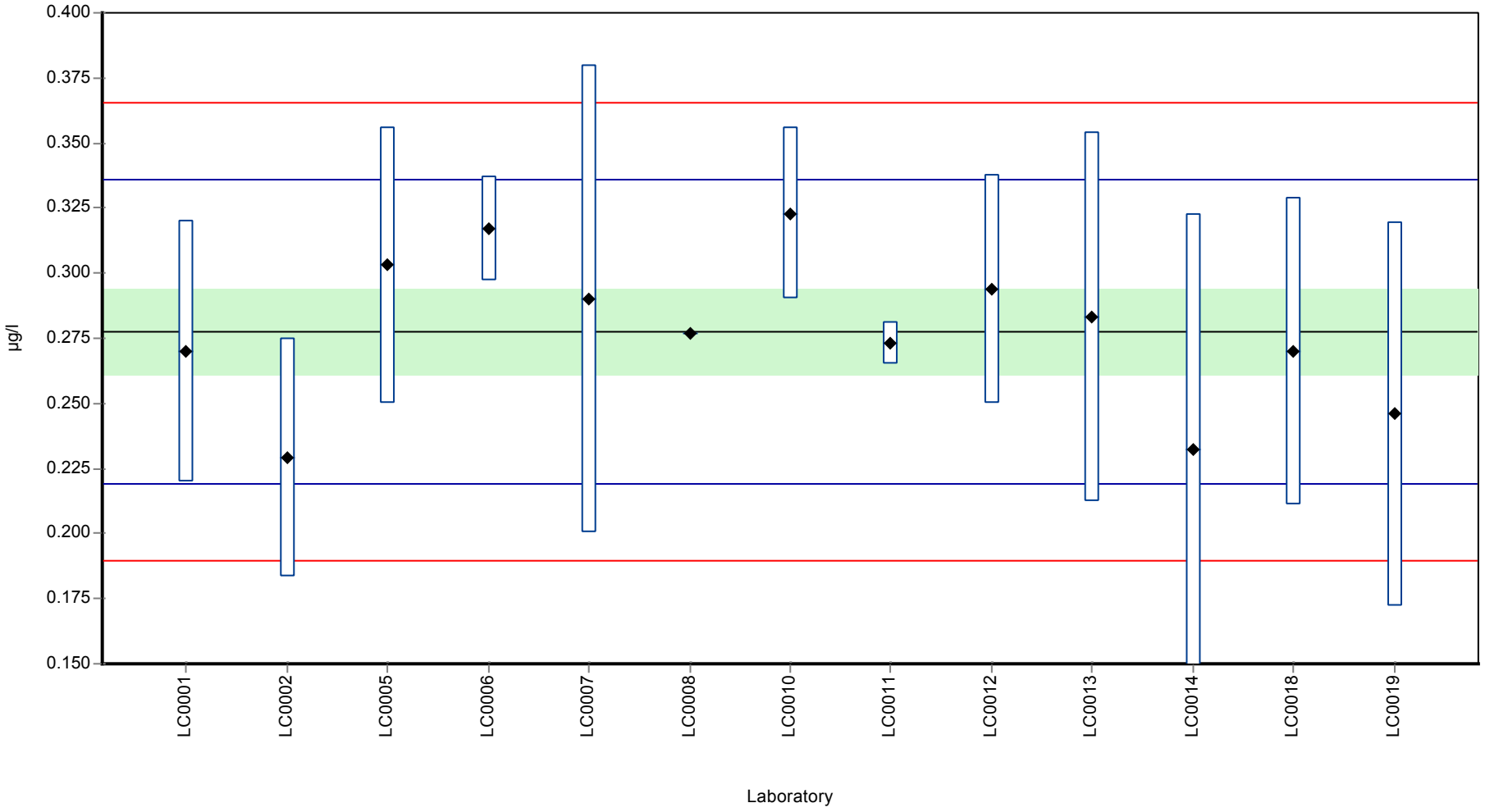
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.27	0.05	97.3	-0.26	
LC0002	0.229	0.046	82.5	-1.66	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	0.303	0.053	109	0.87	
LC0006	0.317	0.02	114	1.35	
LC0007	0.29	0.09	105	0.43	
LC0008	0.277	-	99.8	-0.02	
LC0009	-	-	-	-	
LC0010	0.323	0.033	116	1.56	
LC0011	0.273	0.008	98.4	-0.15	
LC0012	0.294	0.0441	106	0.56	
LC0013	0.283	0.071	102	0.19	
LC0014	0.232	0.091	83.6	-1.55	
LC0015	-	-	-	-	
LC0016	-	-	-	-	
LC0017	-	-	-	-	
LC0018	0.2701	0.0591	97.3	-0.25	
LC0019	0.246	0.0738	88.7	-1.07	

Characteristics of parameter

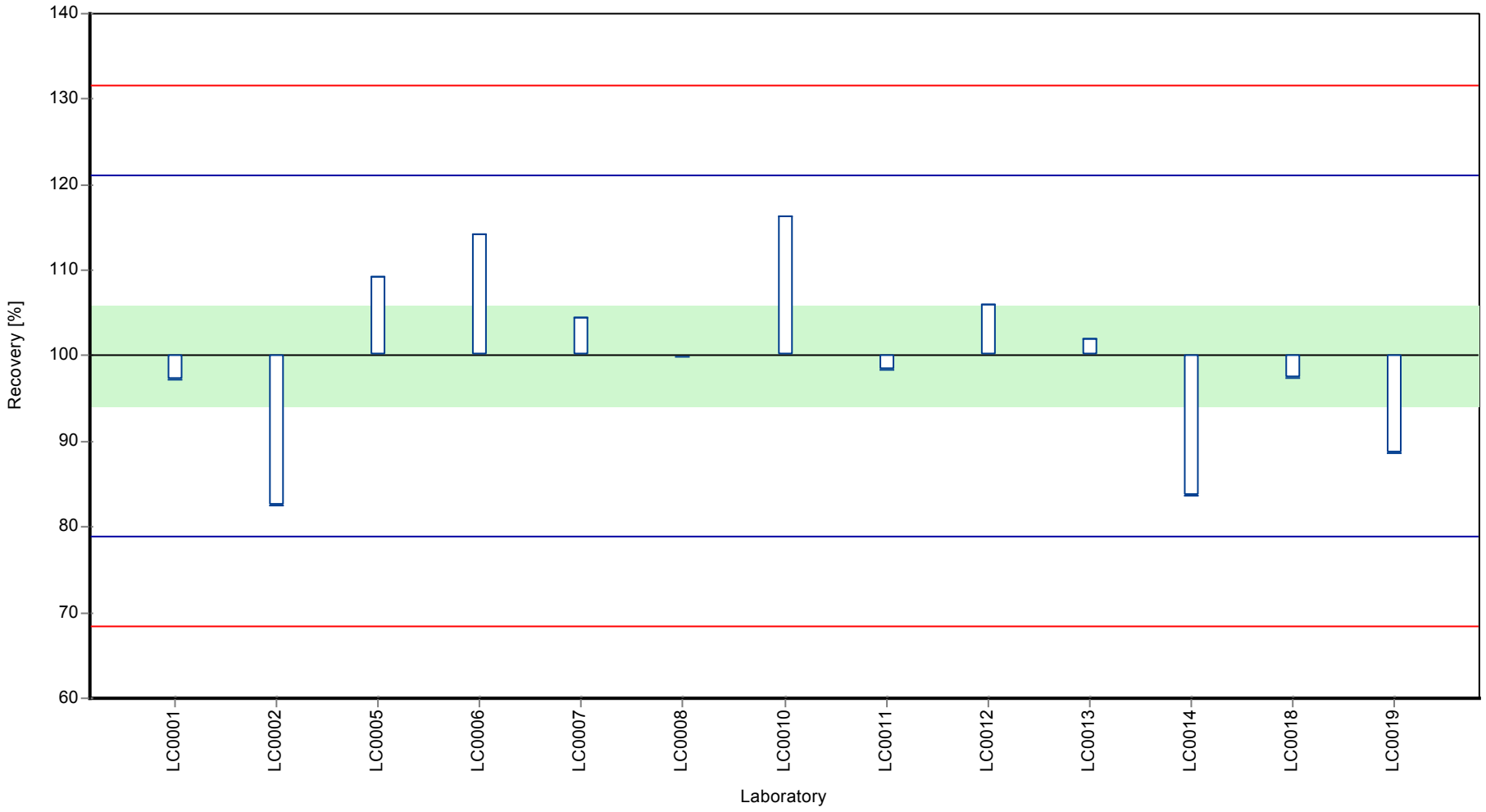
	all results	without outliers	Unit
Mean ± CI (99%)	0.277 ± 0.0244	0.277 ± 0.0244	µg/l
Minimum	0.229	0.229	µg/l
Maximum	0.323	0.323	µg/l
Standard deviation	0.0293	0.0293	µg/l
rel. Standard deviation	10.6	10.6	%
n	13	13	-

Graphical presentation of results

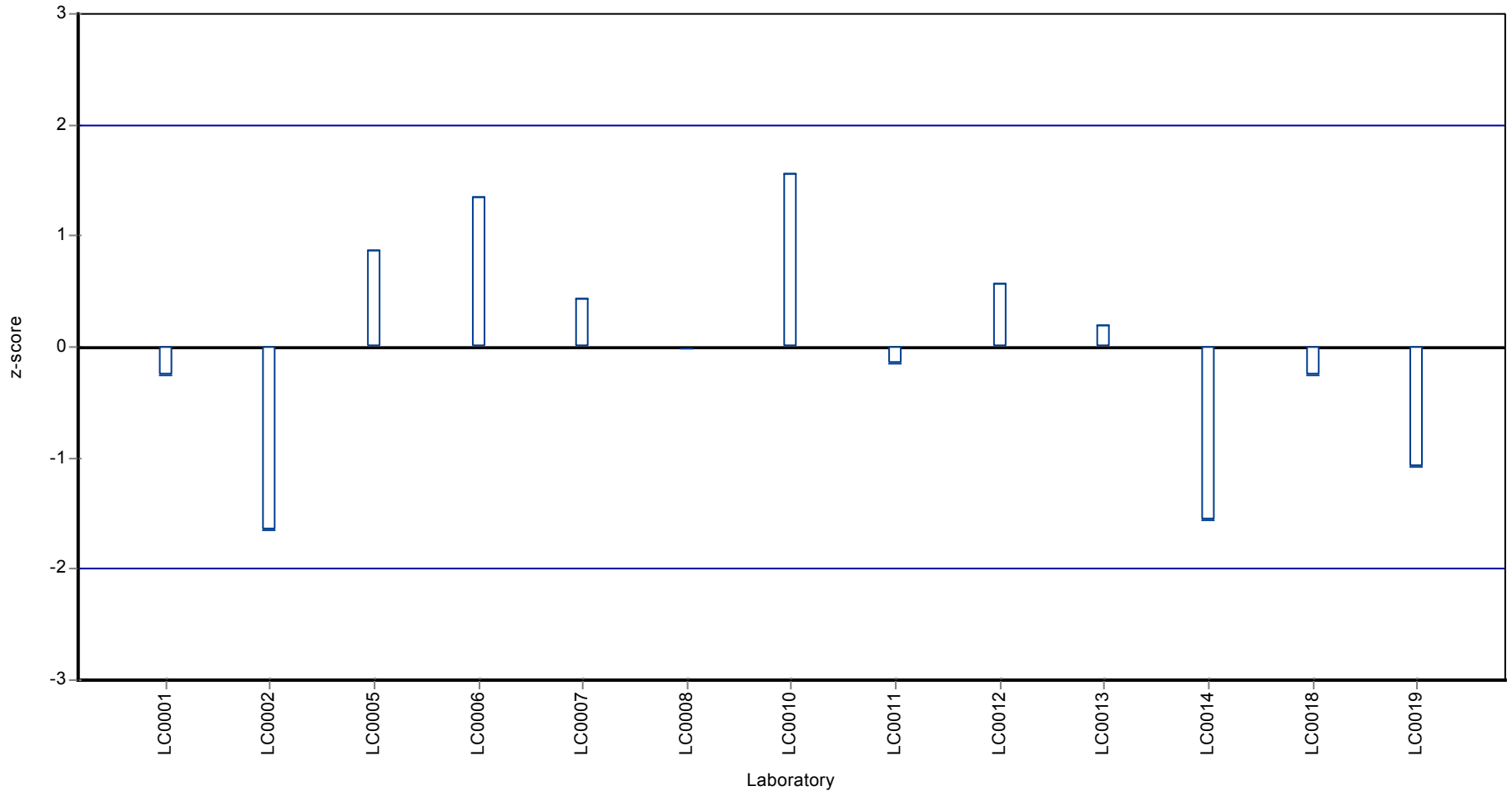
Results



Recovery rate



Z-score


3
2
1
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-1
-2
-3
z-score
LC0001
LC0002
LC0005
LC0006
LC0007
LC0008
LC0010
LC0011
LC0012
LC0013
LC0014
LC0018
LC0019
Laboratory

Parameter oriented report

H100 A

Dimethenamide

Unit	µg/l
Mean ± CI (99%)	0.253 ± 0.0224
Minimum - Maximum	0.229 - 0.283
Control test value ± U	0.262 ± 0.0419

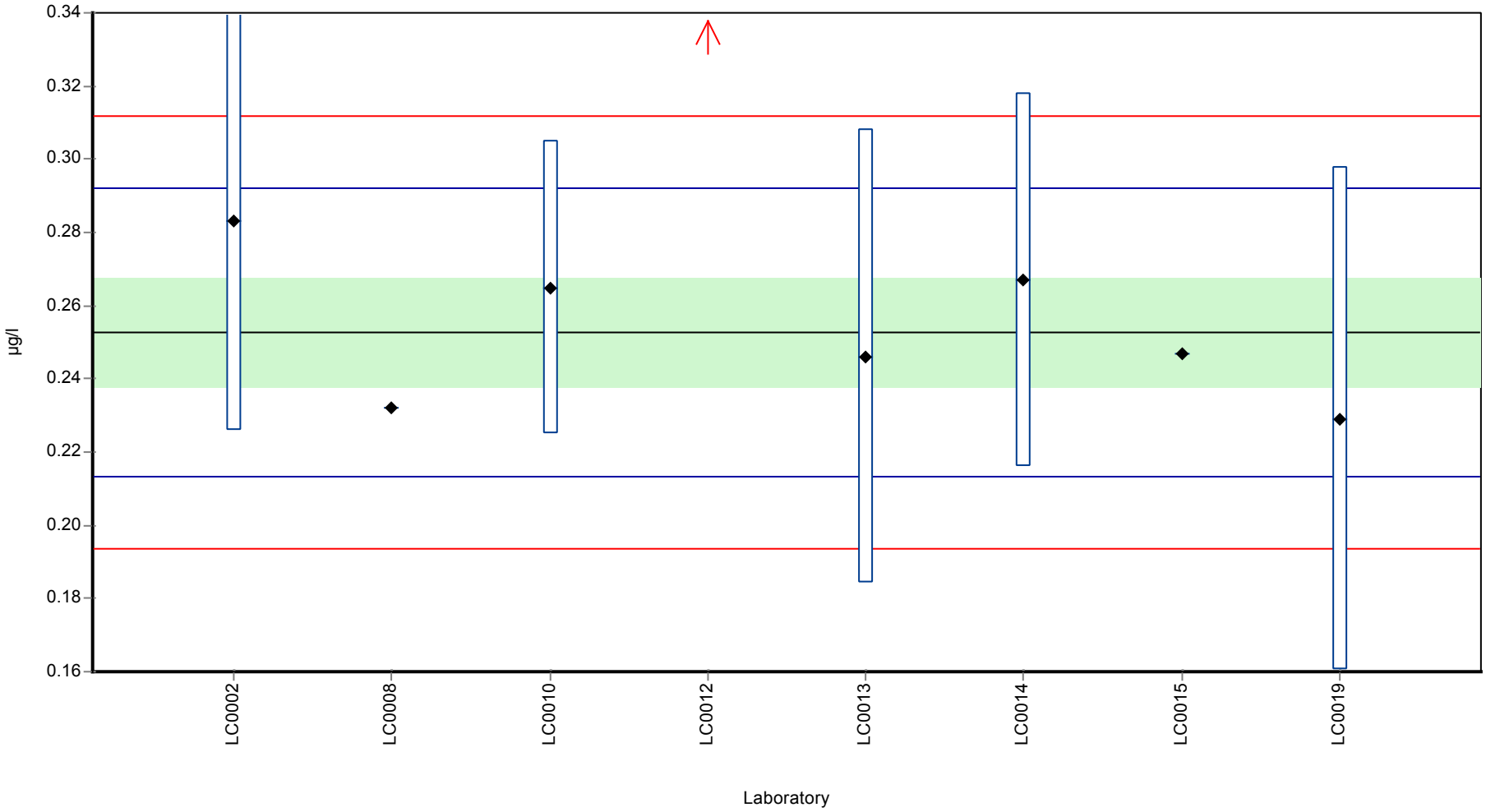
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	0.283	0.057	112	1.53	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	-	-	-	-	
LC0006	-	-	-	-	
LC0007	-	-	-	-	
LC0008	0.232	-	91.8	-1.05	
LC0009	-	-	-	-	
LC0010	0.265	0.04	105	0.62	
LC0011	-	-	-	-	
LC0012	0.392	0.0588	155	7.05	H
LC0013	0.246	0.062	97.3	-0.34	
LC0014	0.267	0.051	106	0.72	
LC0015	0.247	-	97.7	-0.29	
LC0016	-	-	-	-	
LC0017	-	-	-	-	
LC0018	-	-	-	-	
LC0019	0.229	0.0687	90.6	-1.2	

Characteristics of parameter

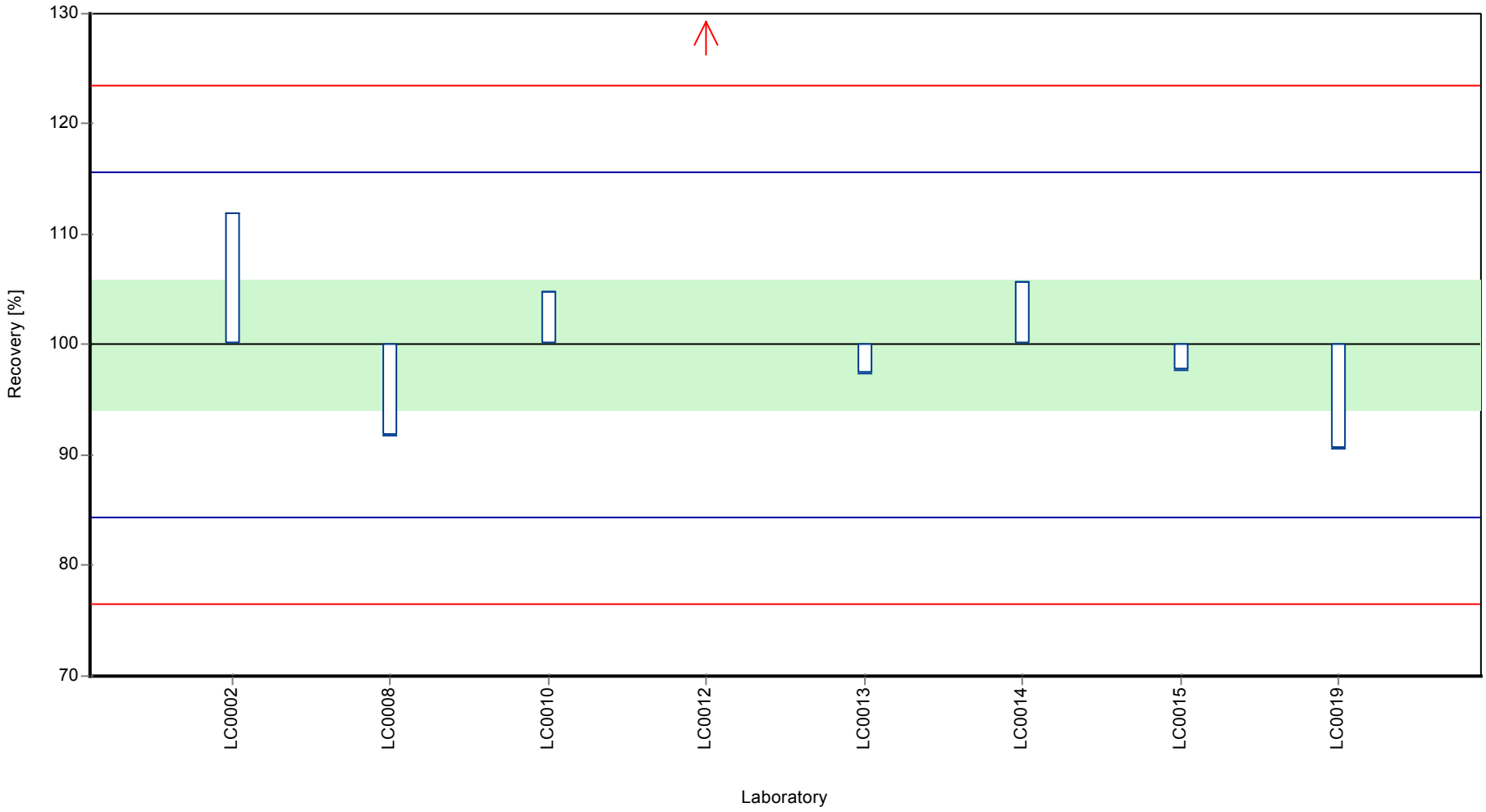
	all results	without outliers	Unit
Mean ± CI (99%)	0.27 ± 0.0557	0.253 ± 0.0224	µg/l
Minimum	0.229	0.229	µg/l
Maximum	0.392	0.283	µg/l
Standard deviation	0.0525	0.0198	µg/l
rel. Standard deviation	19.4	7.82	%
n	8	7	-

Graphical presentation of results

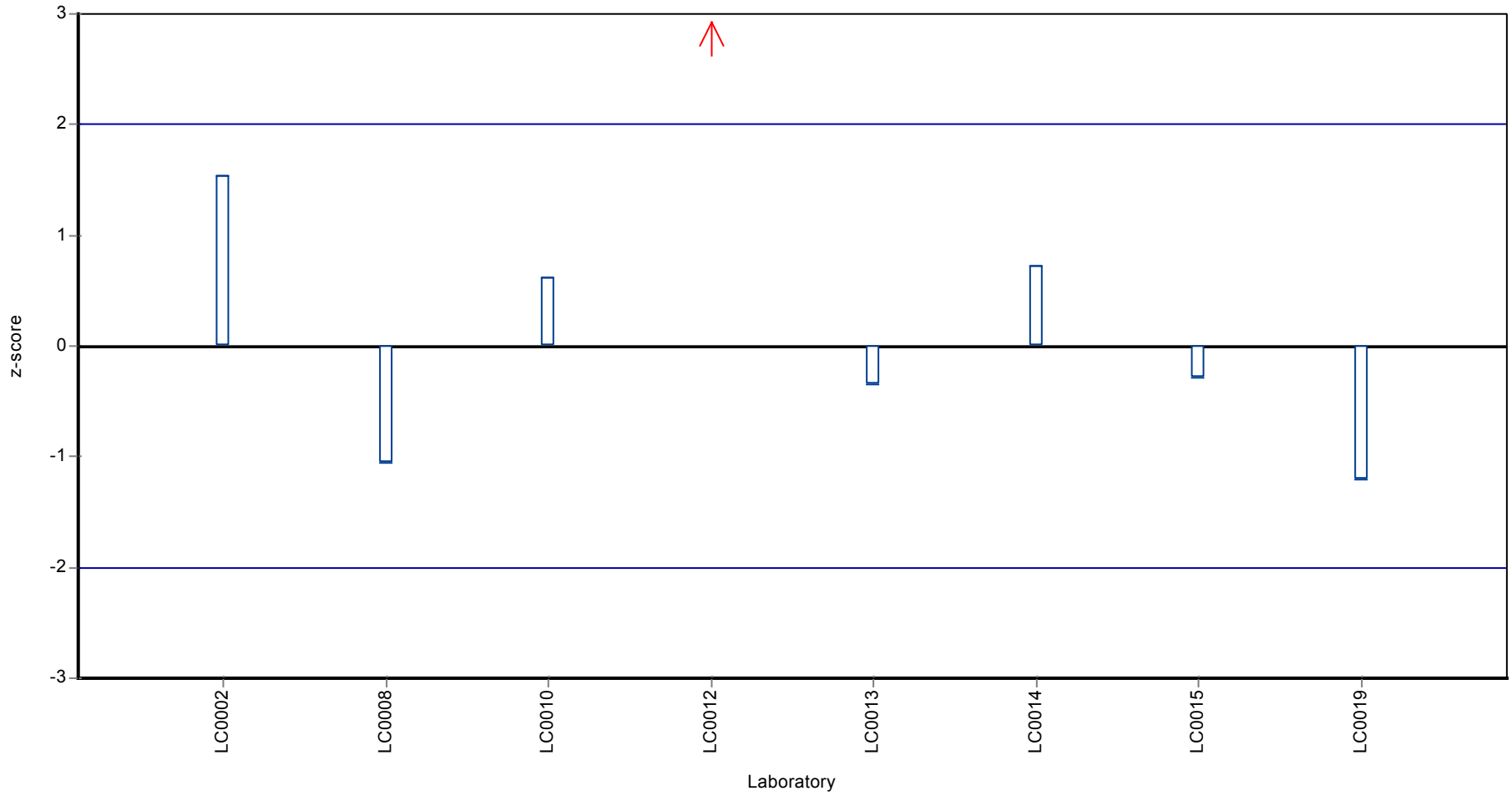
Results



Recovery rate



Z-score


3
2
1
0
-1
-2
-3
z-score
LC0002
LC0008
LC0010
LC0012
LC0013
LC0014
LC0015
LC0019
Laboratory

Parameter oriented report

H100 B

Dimethenamide

Unit	µg/l
Mean ± CI (99%)	0.163 ± 0.0139
Minimum - Maximum	0.141 - 0.175
Control test value ± U	0.152 ± 0.0244

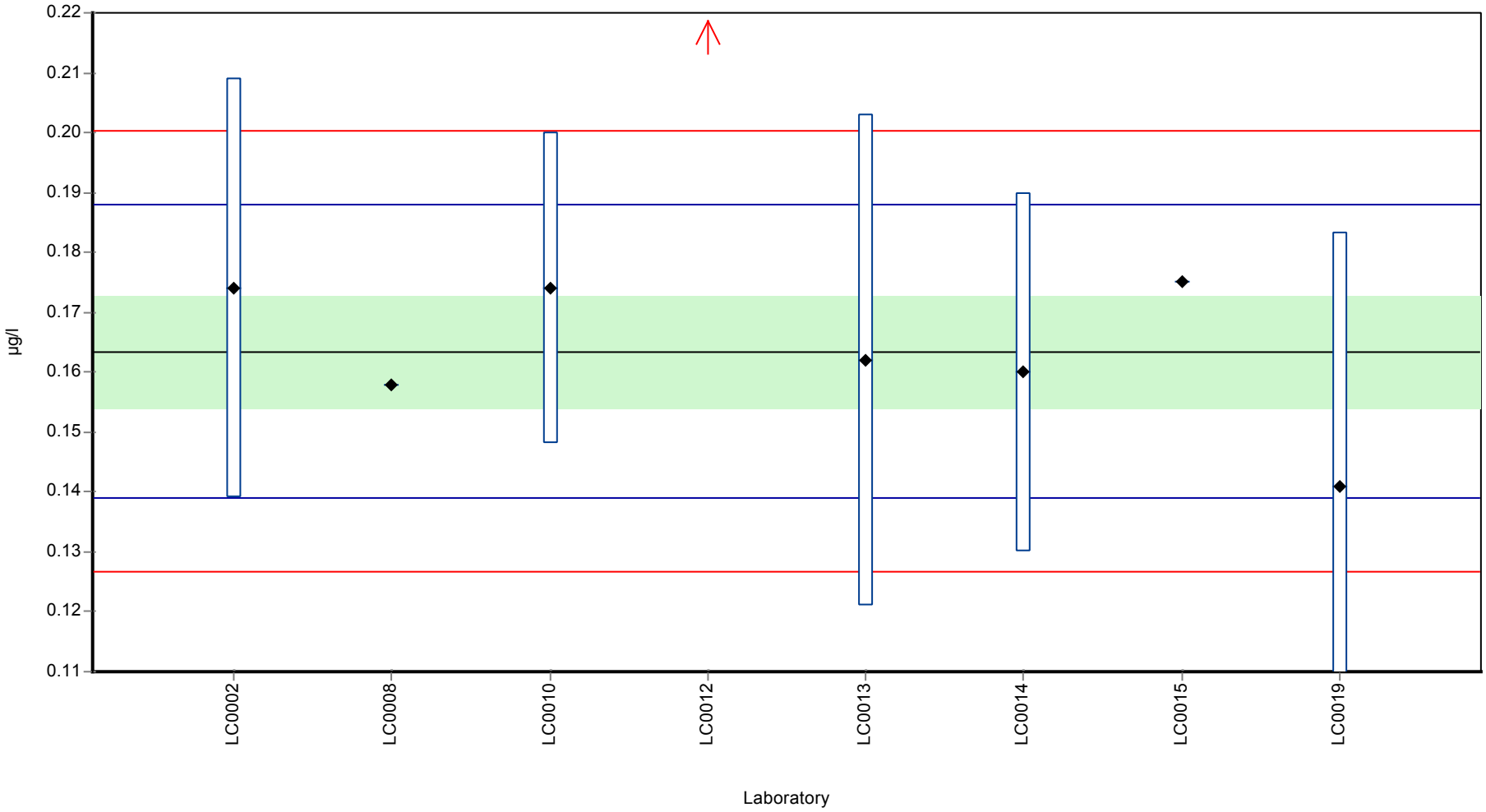
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	0.174	0.035	106	0.86	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	-	-	-	-	
LC0006	-	-	-	-	
LC0007	-	-	-	-	
LC0008	0.158	-	96.7	-0.44	
LC0009	-	-	-	-	
LC0010	0.174	0.026	106	0.86	
LC0011	-	-	-	-	
LC0012	0.222	0.0333	136	4.77	H
LC0013	0.162	0.041	99.1	-0.12	
LC0014	0.16	0.03	97.9	-0.28	
LC0015	0.175	-	107	0.94	
LC0016	-	-	-	-	
LC0017	-	-	-	-	
LC0018	-	-	-	-	
LC0019	0.141	0.0423	86.3	-1.83	

Characteristics of parameter

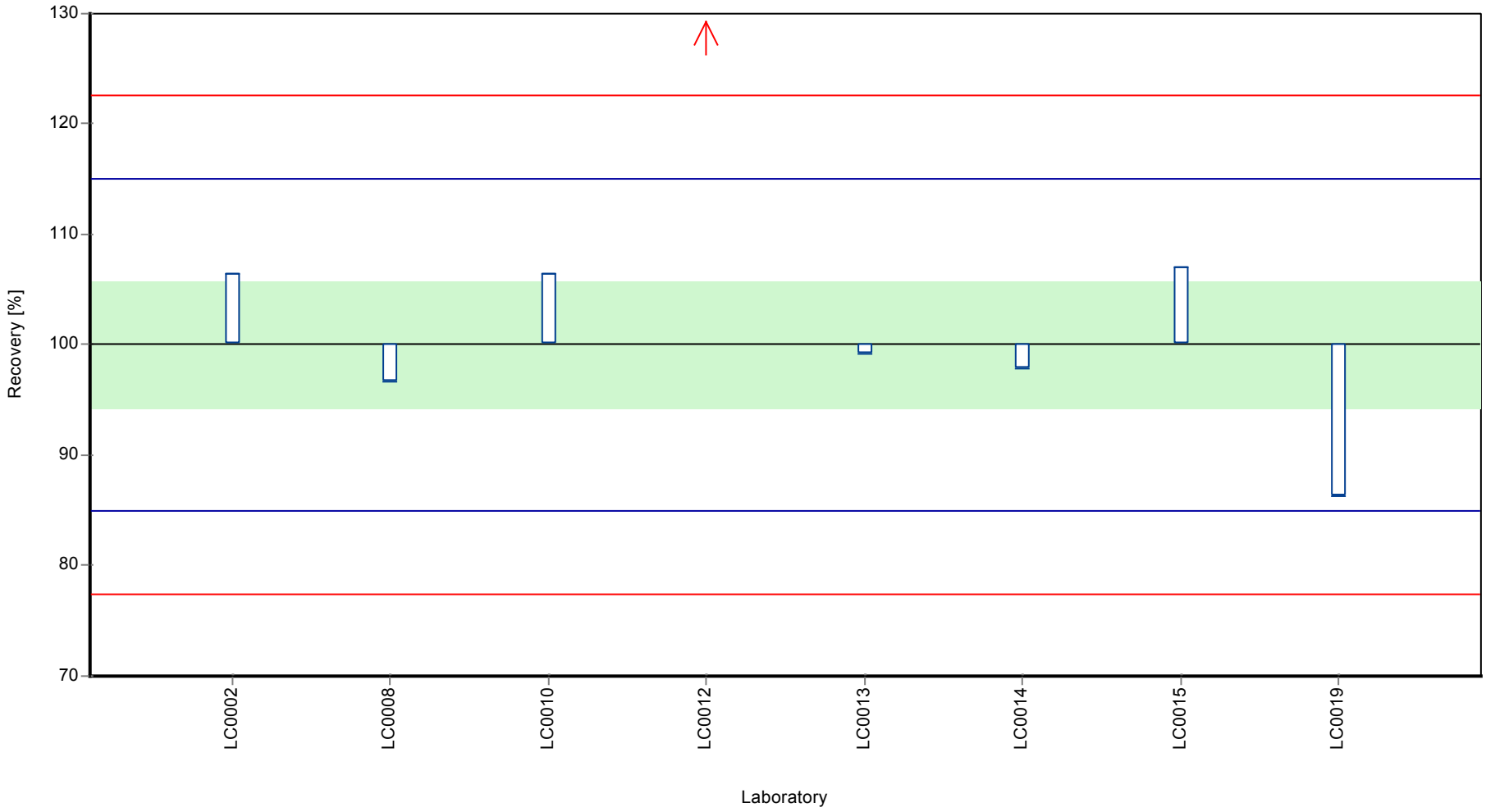
	all results	without outliers	Unit
Mean ± CI (99%)	0.171 ± 0.0251	0.163 ± 0.0139	µg/l
Minimum	0.141	0.141	µg/l
Maximum	0.222	0.175	µg/l
Standard deviation	0.0236	0.0123	µg/l
rel. Standard deviation	13.8	7.51	%
n	8	7	-

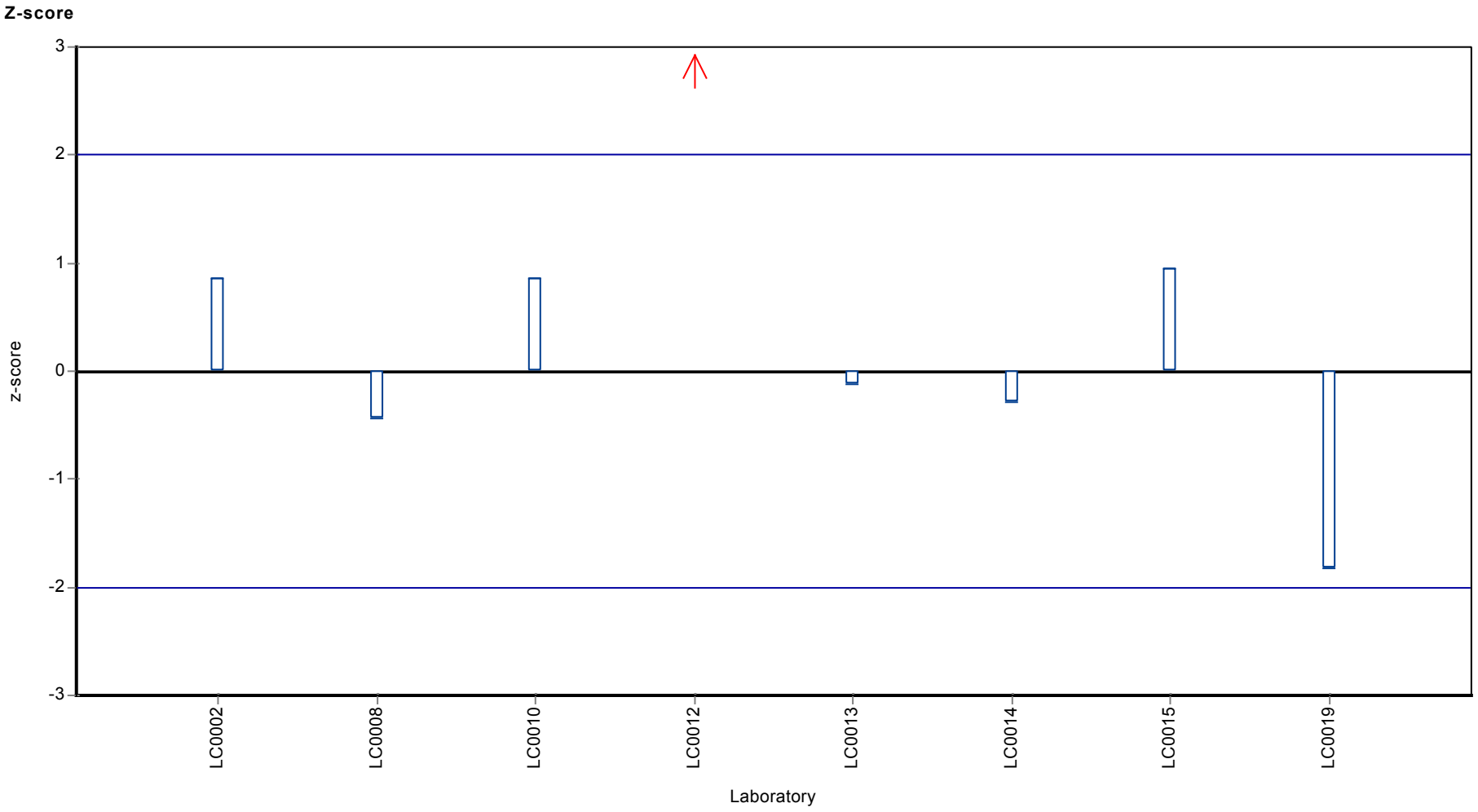
Graphical presentation of results

Results



Recovery rate




Z-score
3
2
1
0
-1
-2
-3
z-score
LC0002
LC0008
LC0010
LC0012
LC0013
LC0014
LC0015
LC0019
Laboratory

Parameter oriented report

H100 A

Diuron

Unit	µg/l
Mean ± CI (99%)	0.721 ± 0.0662
Minimum - Maximum	0.576 - 0.924
Control test value ± U	0.64 ± 0.102

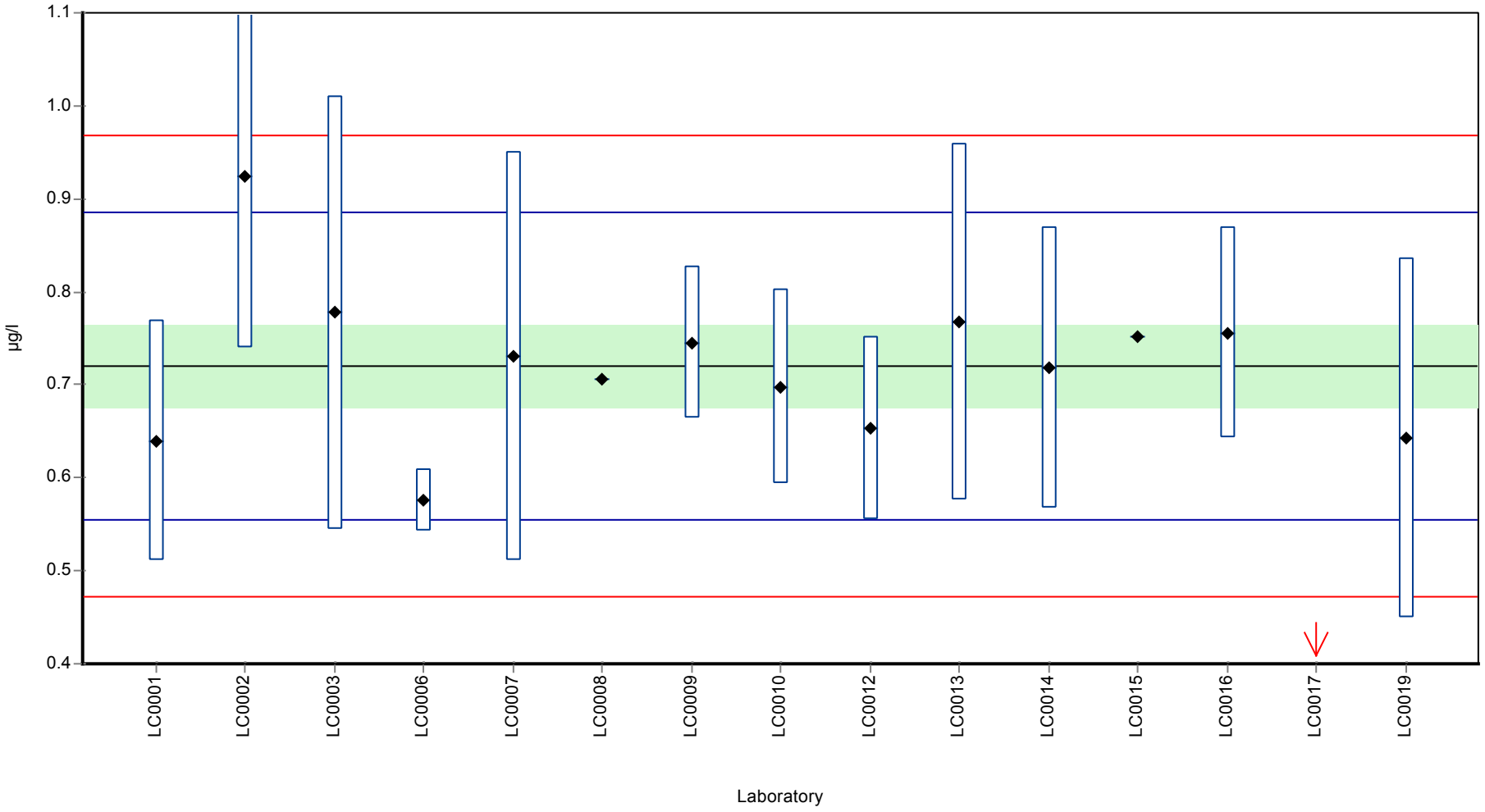
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.64	0.13	88.8	-0.97	
LC0002	0.924	0.185	128	2.47	
LC0003	0.778	0.233	108	0.7	
LC0004	-	-	-	-	
LC0005	-	-	-	-	
LC0006	0.576	0.034	79.9	-1.75	
LC0007	0.73	0.22	101	0.12	
LC0008	0.706	-	98	-0.18	
LC0009	0.745	0.082	103	0.3	
LC0010	0.698	0.105	96.9	-0.27	
LC0011	-	-	-	-	
LC0012	0.653	0.09795	90.6	-0.82	
LC0013	0.768	0.192	107	0.57	
LC0014	0.718	0.151	99.7	-0.03	
LC0015	0.752	-	104	0.38	
LC0016	0.756	0.113	105	0.43	
LC0017	0.265	0.053	36.8	-5.52	H
LC0018	-	-	-	-	
LC0019	0.643	0.1929	89.2	-0.94	

Characteristics of parameter

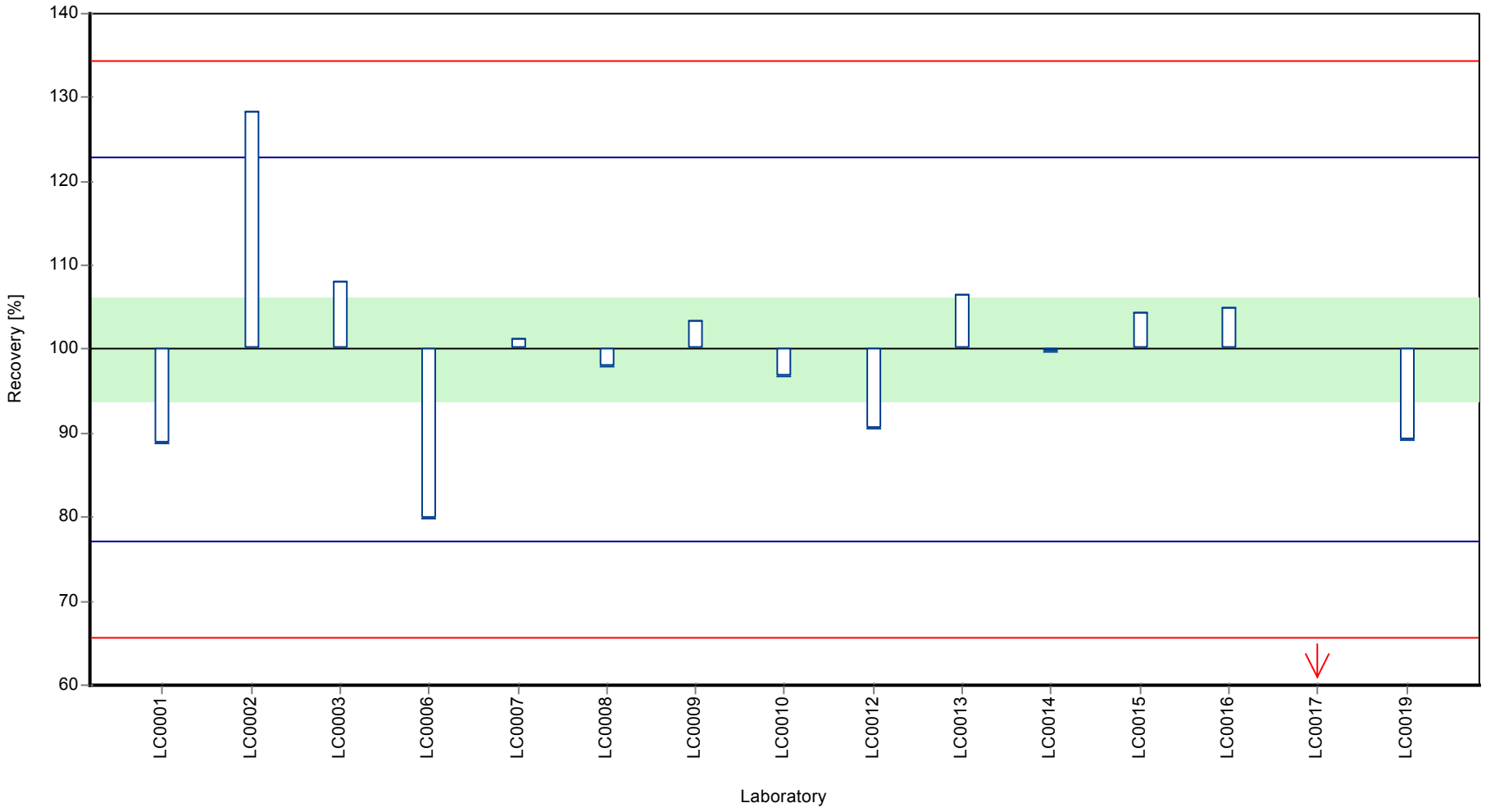
	all results	without outliers	Unit
Mean ± CI (99%)	0.69 ± 0.11	0.721 ± 0.0662	µg/l
Minimum	0.265	0.576	µg/l
Maximum	0.924	0.924	µg/l
Standard deviation	0.142	0.0825	µg/l
rel. Standard deviation	20.6	11.5	%
n	15	14	-

Graphical presentation of results

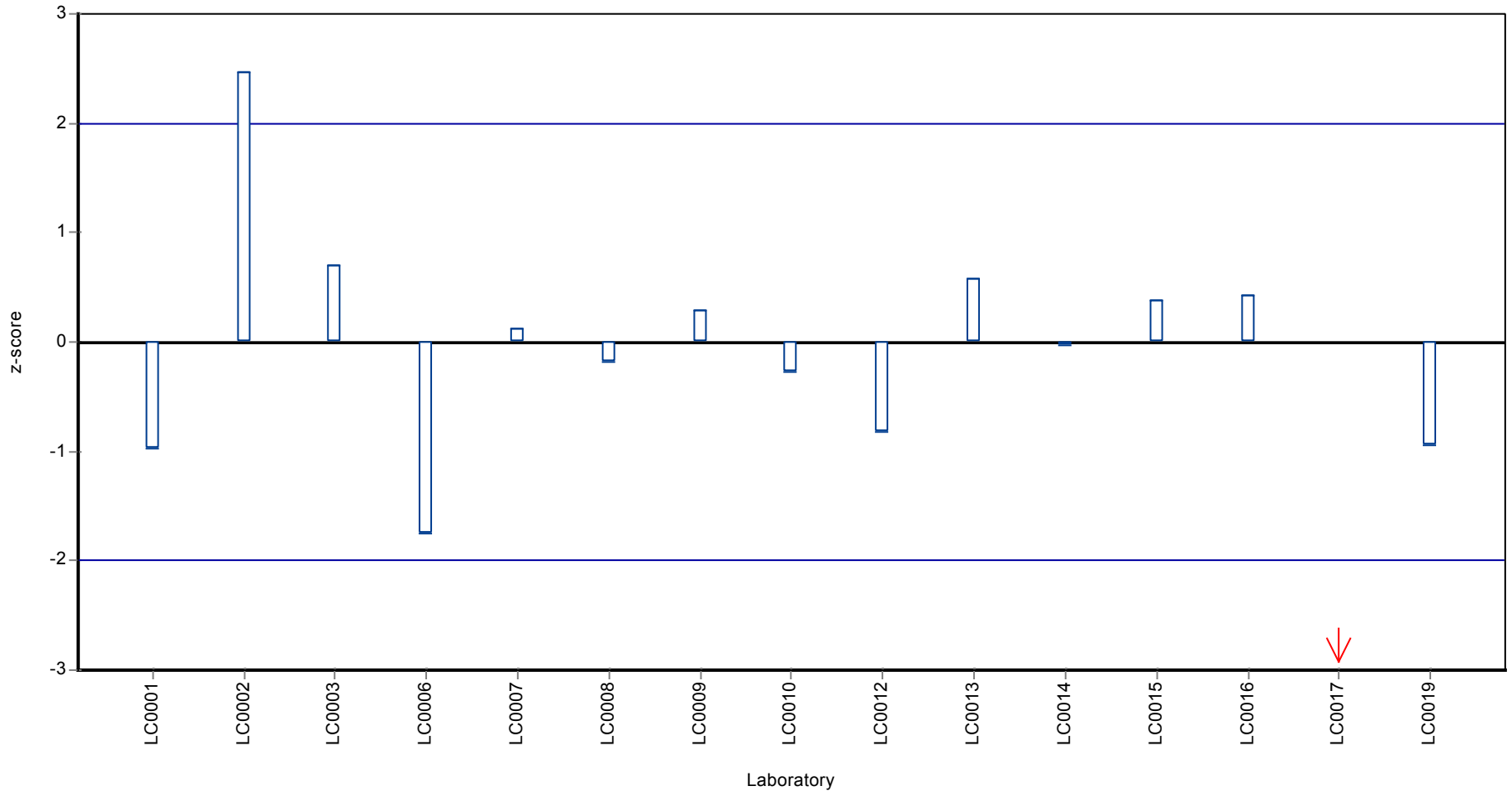
Results



Recovery rate



Z-score


3
2
1
0
-1
-2
-3
z-score
LC0001
LC0002
LC0003
LC0006
LC0007
LC0008
LC0009
LC0010
LC0012
LC0013
LC0014
LC0015
LC0016
LC0017
LC0019
Laboratory

Parameter oriented report

H100 B

Diuron

Unit	µg/l
Mean ± CI (99%)	-
Minimum - Maximum	-
Control test value ± U	<0.025 (NG)

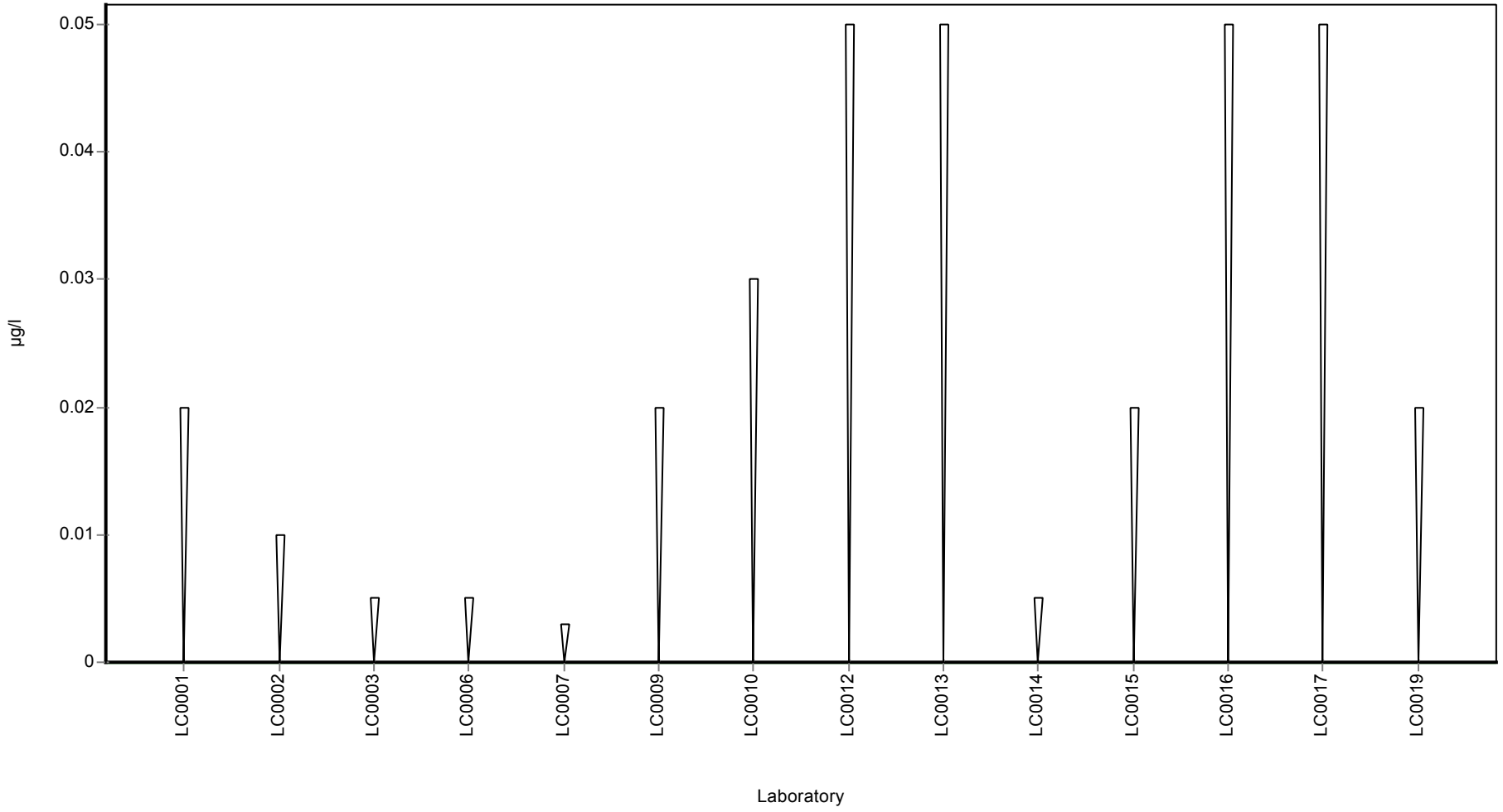
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	< 0.02 (LOQ)	-	-	-	
LC0002	< 0.01 (LOQ)	-	-	-	
LC0003	< 0.005 (LOQ)	-	-	-	
LC0004	-	-	-	-	
LC0005	-	-	-	-	
LC0006	< 0.005 (LOQ)	-	-	-	
LC0007	< 0.003 (LOQ)	-	-	-	
LC0008	-	-	-	-	
LC0009	< 0.02 (LOQ)	-	-	-	
LC0010	< 0.03 (LOQ)	-	-	-	
LC0011	-	-	-	-	
LC0012	< 0.05 (LOQ)	-	-	-	
LC0013	< 0.05 (LOQ)	-	-	-	
LC0014	< 0.005 (LOQ)	-	-	-	
LC0015	< 0.02 (LOQ)	-	-	-	
LC0016	< 0.05 (LOQ)	-	-	-	
LC0017	< 0.05 (LOQ)	-	-	-	
LC0018	-	-	-	-	
LC0019	< 0.02 (LOQ)	-	-	-	

Characteristics of parameter

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

Graphical presentation of results

Results



Parameter oriented report

H100 A

Metolachlor

Unit	µg/l
Mean ± CI (99%)	0.499 ± 0.045
Minimum - Maximum	0.39 - 0.57
Control test value ± U	0.496 ± 0.0793

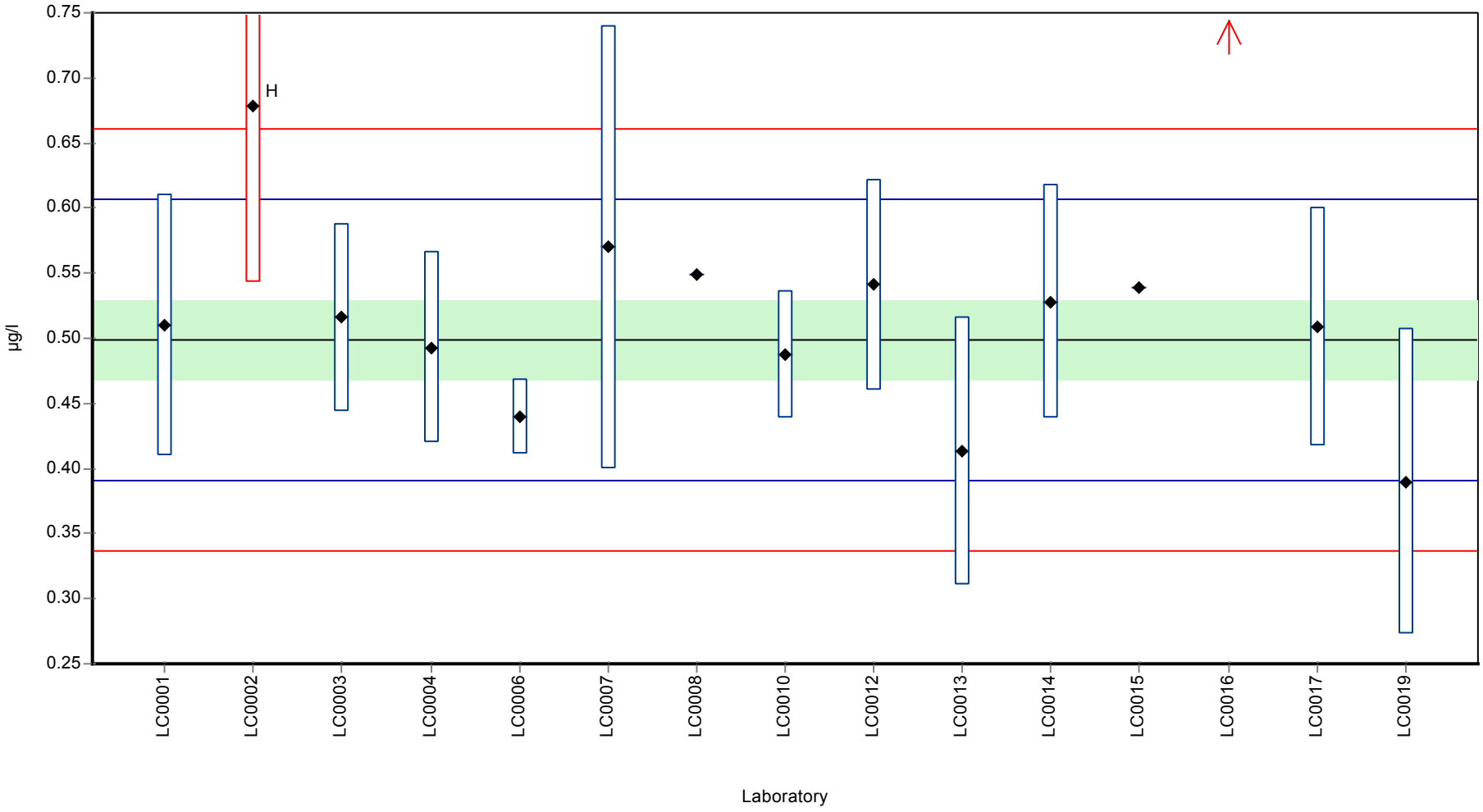
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.51	0.1	102	0.2	
LC0002	0.679	0.136	136	3.33	H
LC0003	0.516	0.072	103	0.32	
LC0004	0.493	0.074	98.8	-0.11	
LC0005	-	-	-	-	
LC0006	0.44	0.029	88.2	-1.09	
LC0007	0.57	0.17	114	1.31	
LC0008	0.549	-	110	0.93	
LC0009	-	-	-	-	
LC0010	0.488	0.049	97.8	-0.2	
LC0011	-	-	-	-	
LC0012	0.541	0.08115	108	0.78	
LC0013	0.413	0.103	82.8	-1.59	
LC0014	0.528	0.09	106	0.54	
LC0015	0.539	-	108	0.74	
LC0016	0.938	0.141	188	8.11	H
LC0017	0.509	0.092	102	0.19	
LC0018	-	-	-	-	
LC0019	0.39	0.117	78.2	-2.01	

Characteristics of parameter

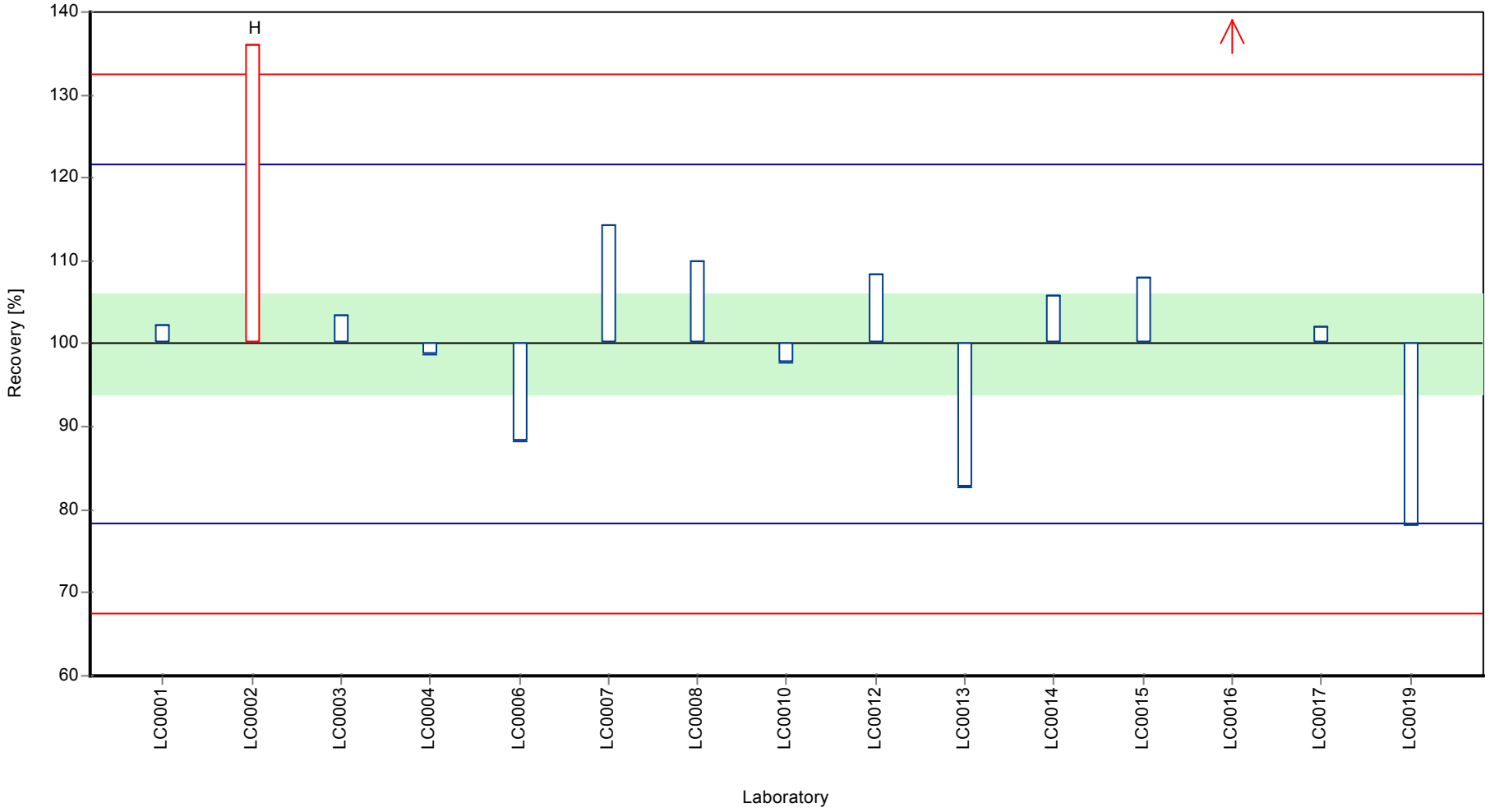
	all results	without outliers	Unit
Mean ± CI (99%)	0.54 ± 0.1	0.499 ± 0.045	µg/l
Minimum	0.39	0.39	µg/l
Maximum	0.938	0.57	µg/l
Standard deviation	0.13	0.0541	µg/l
rel. Standard deviation	24	10.9	%
n	15	13	-

Graphical presentation of results

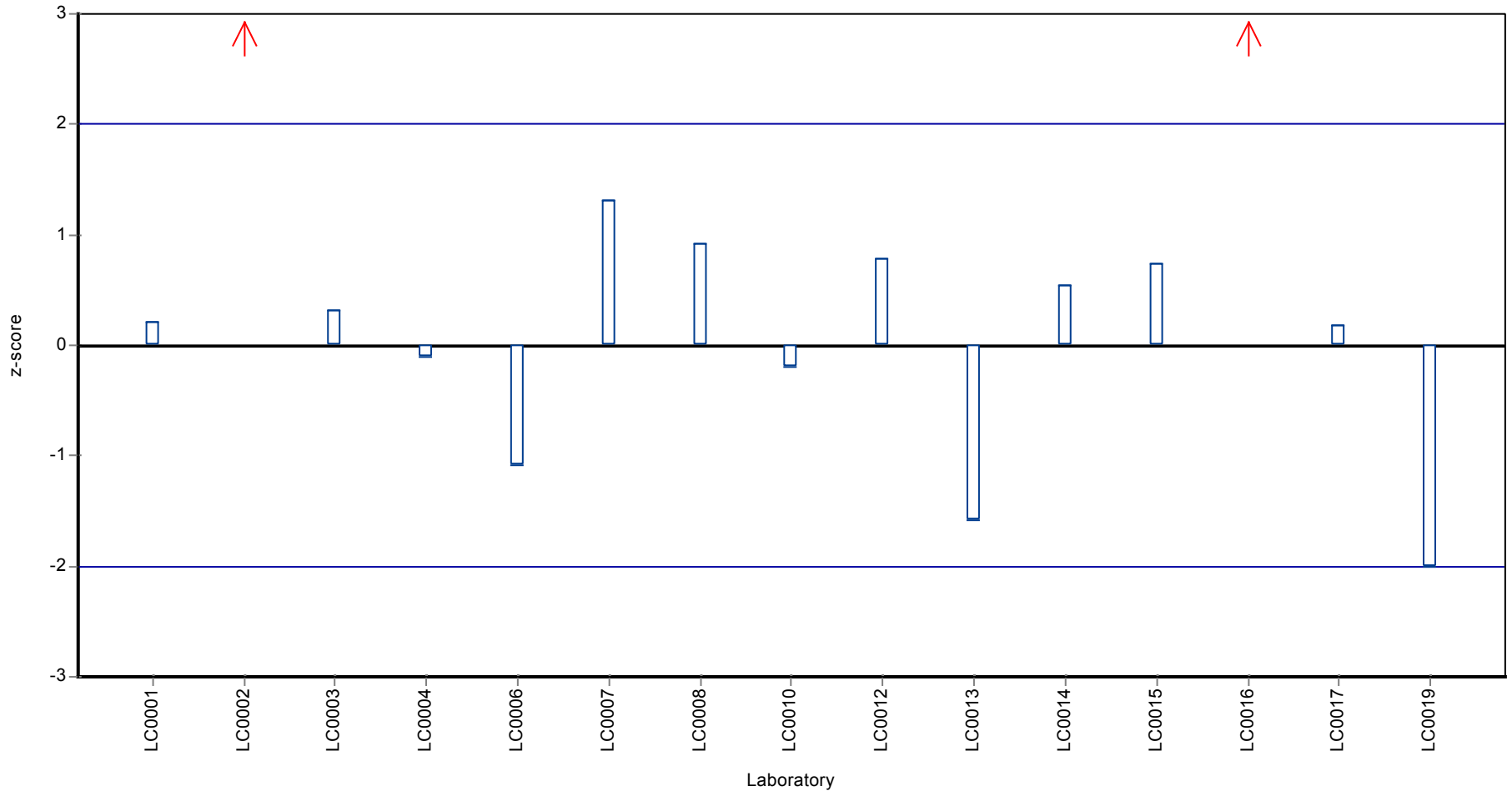
Results



Recovery rate



Z-score


3
2
1
0
-1
-2
-3
z-score
LC0001
LC0002
LC0003
LC0004
LC0006
LC0007
LC0008
LC0010
LC0012
LC0013
LC0014
LC0015
LC0016
LC0017
LC0019
Laboratory

Parameter oriented report

H100 B

Metolachlor

Unit	µg/l
Mean ± CI (99%)	0.501 ± 0.0546
Minimum - Maximum	0.405 - 0.672
Control test value ± U	0.504 ± 0.0807

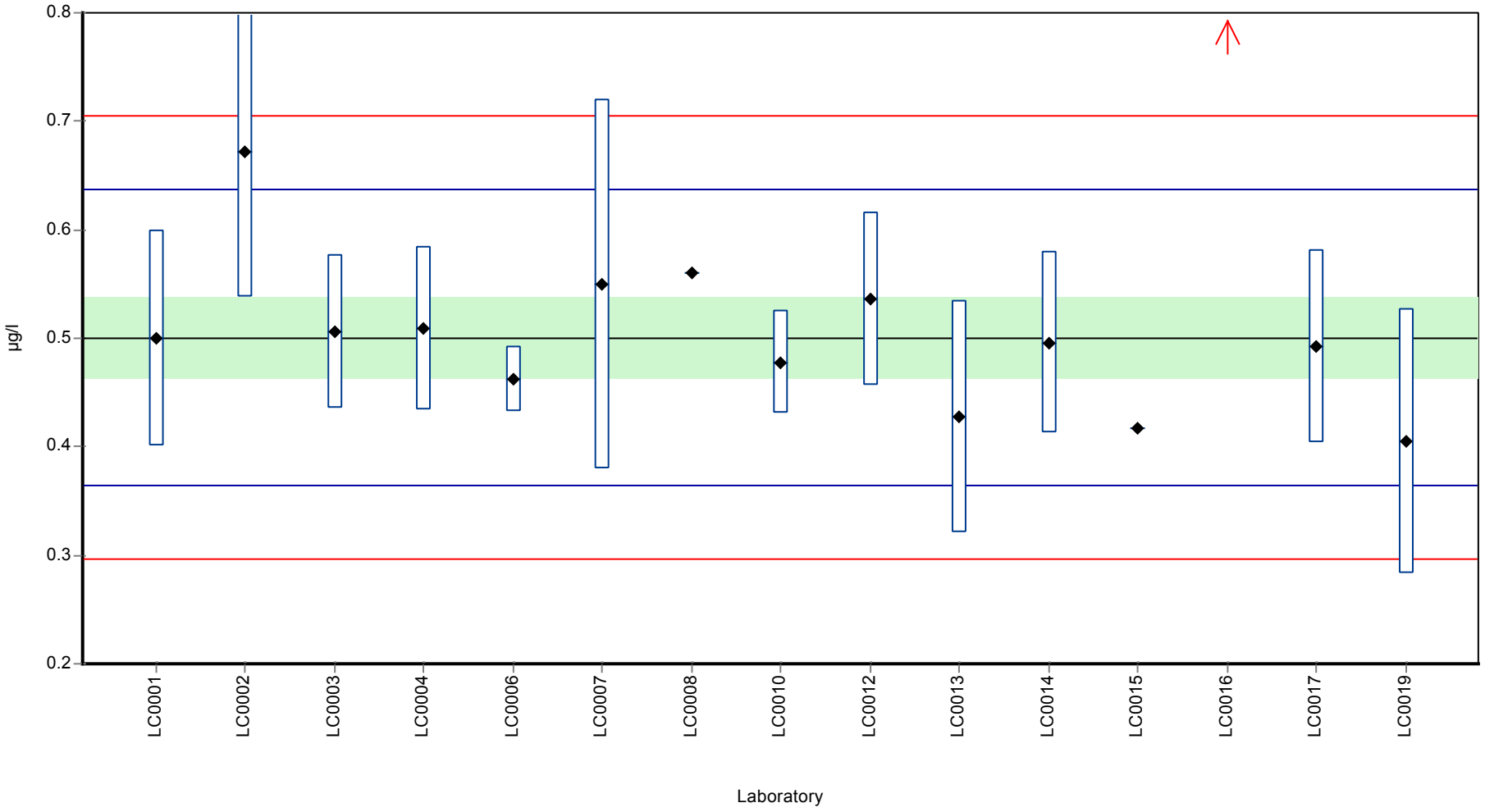
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.5	0.1	99.9	-0.01	
LC0002	0.672	0.134	134	2.51	
LC0003	0.506	0.071	101	0.08	
LC0004	0.509	0.076	102	0.12	
LC0005	-	-	-	-	
LC0006	0.462	0.03	92.3	-0.57	
LC0007	0.55	0.17	110	0.72	
LC0008	0.56	-	112	0.87	
LC0009	-	-	-	-	
LC0010	0.478	0.048	95.5	-0.33	
LC0011	-	-	-	-	
LC0012	0.536	0.0804	107	0.52	
LC0013	0.427	0.107	85.3	-1.08	
LC0014	0.496	0.084	99.1	-0.07	
LC0015	0.417	-	83.3	-1.23	
LC0016	1.419	0.213	283	13.5	H
LC0017	0.492	0.089	98.3	-0.13	
LC0018	-	-	-	-	
LC0019	0.405	0.1215	80.9	-1.4	

Characteristics of parameter

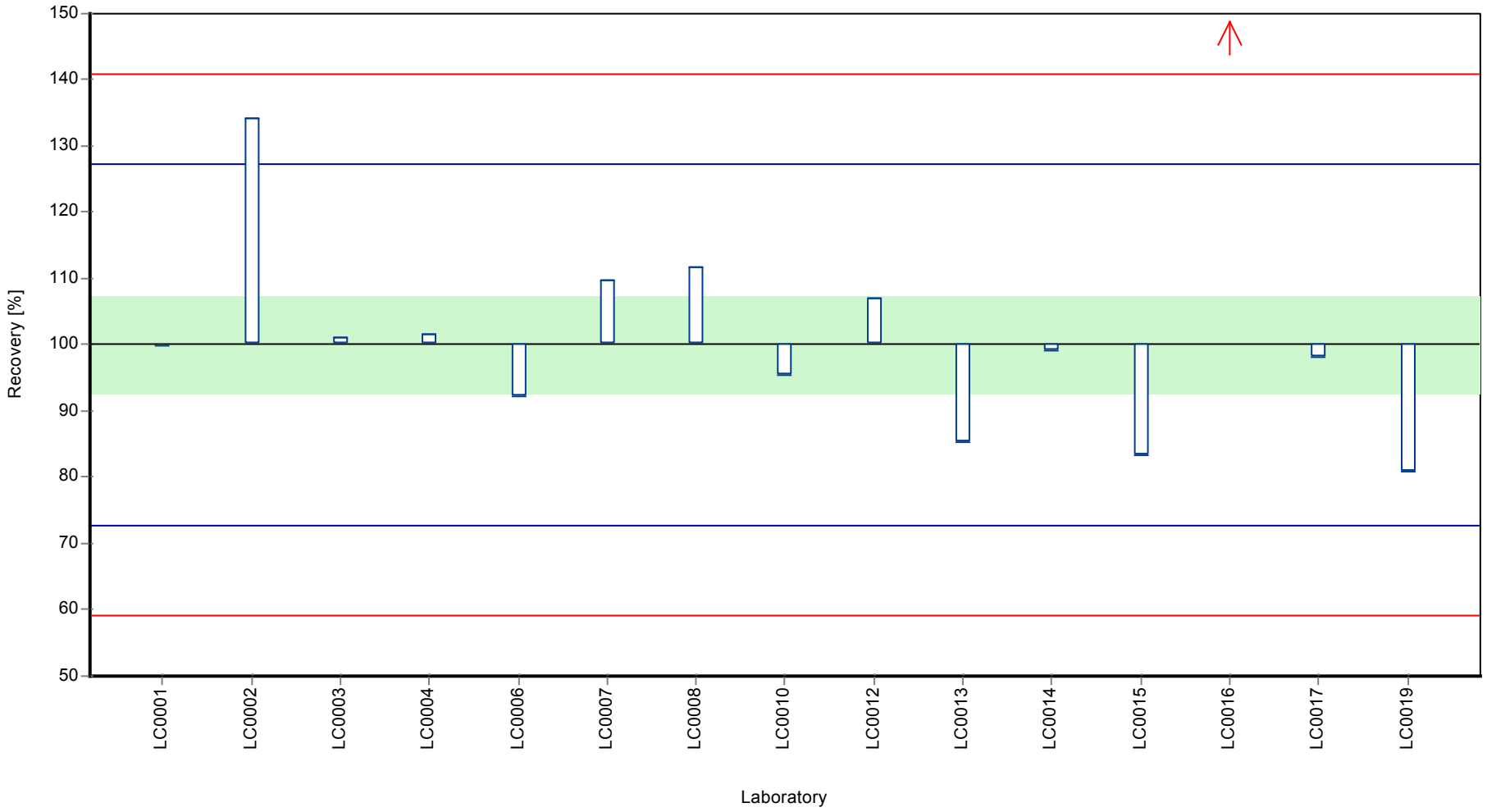
	all results	without outliers	Unit
Mean ± CI (99%)	0.562 ± 0.191	0.501 ± 0.0546	µg/l
Minimum	0.405	0.405	µg/l
Maximum	1.42	0.672	µg/l
Standard deviation	0.246	0.0681	µg/l
rel. Standard deviation	43.8	13.6	%
n	15	14	-

Graphical presentation of results

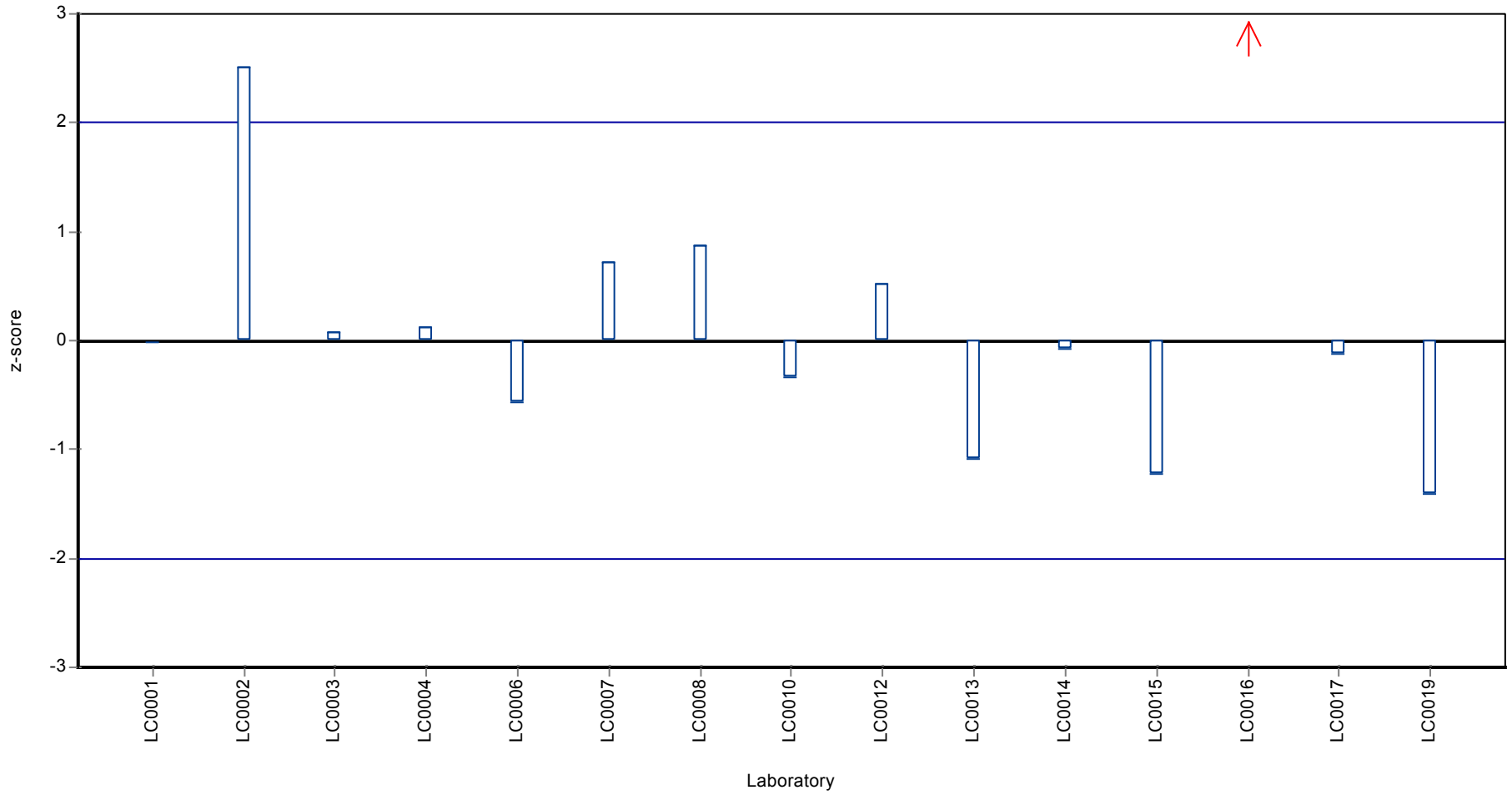
Results



Recovery rate



Z-score


3
2
1
0
-1
-2
-3
z-score
LC0001
LC0002
LC0003
LC0004
LC0006
LC0007
LC0008
LC0010
LC0012
LC0013
LC0014
LC0015
LC0016
LC0017
LC0019
Laboratory

Parameter oriented report

H100 A

N,N-Dimethylsulfamide (DMS)

Unit	µg/l
Mean ± CI (99%)	0.315 ± 0.0222
Minimum - Maximum	0.281 - 0.33
Control test value ± U	0.282 ± 0.0452

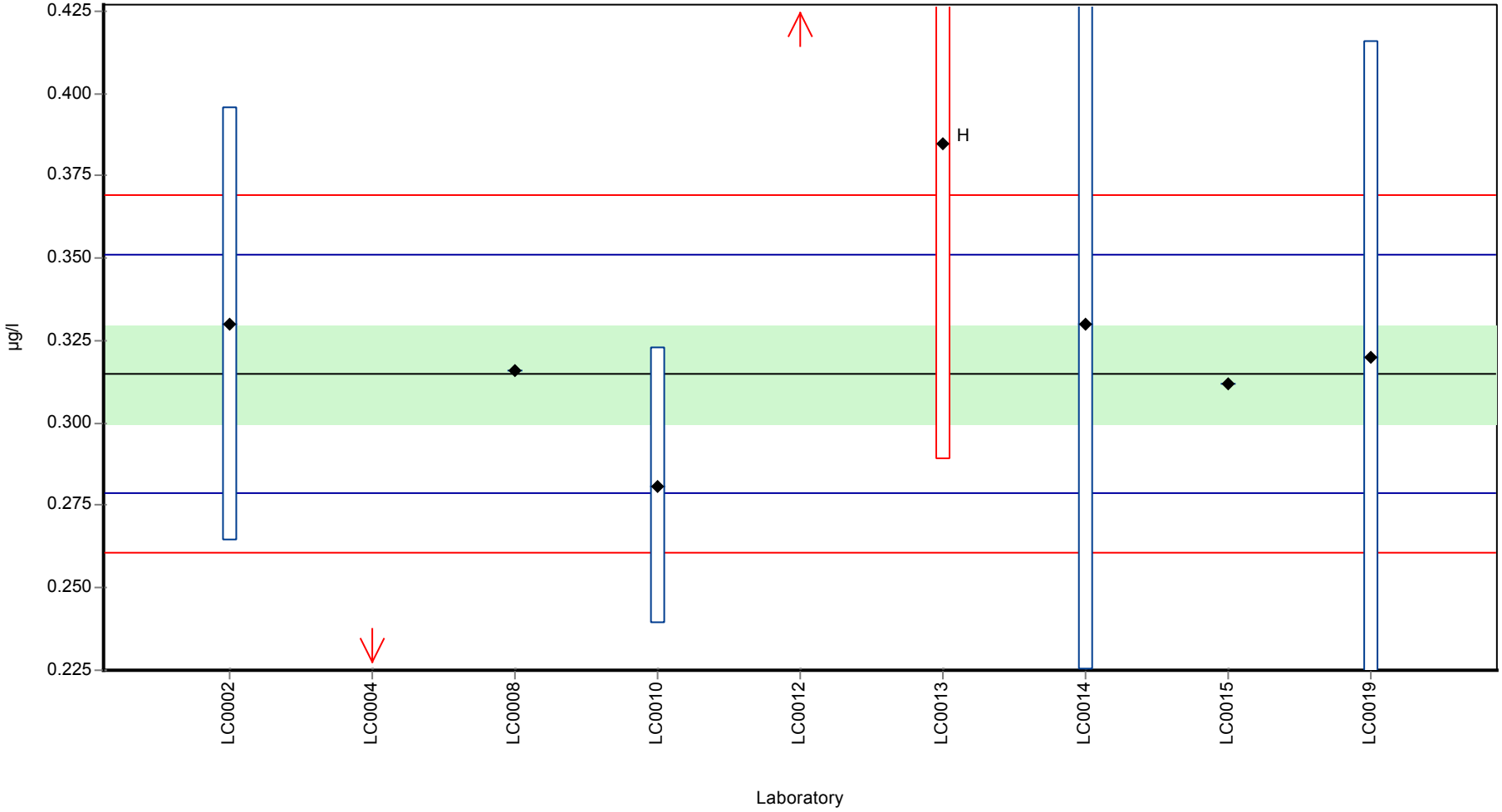
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	0.33	0.066	105	0.84	
LC0003	-	-	-	-	
LC0004	0.115	0.017	36.5	-11	H
LC0005	-	-	-	-	
LC0006	-	-	-	-	
LC0007	-	-	-	-	
LC0008	0.316	-	100	0.06	
LC0009	-	-	-	-	
LC0010	0.281	0.042	89.3	-1.87	
LC0011	-	-	-	-	
LC0012	1.099	0.16485	349	43.3	H
LC0013	0.385	0.096	122	3.87	H
LC0014	0.33	0.105	105	0.84	
LC0015	0.312	-	99.1	-0.16	
LC0016	-	-	-	-	
LC0017	-	-	-	-	
LC0018	-	-	-	-	
LC0019	0.32	0.096	102	0.28	

Characteristics of parameter

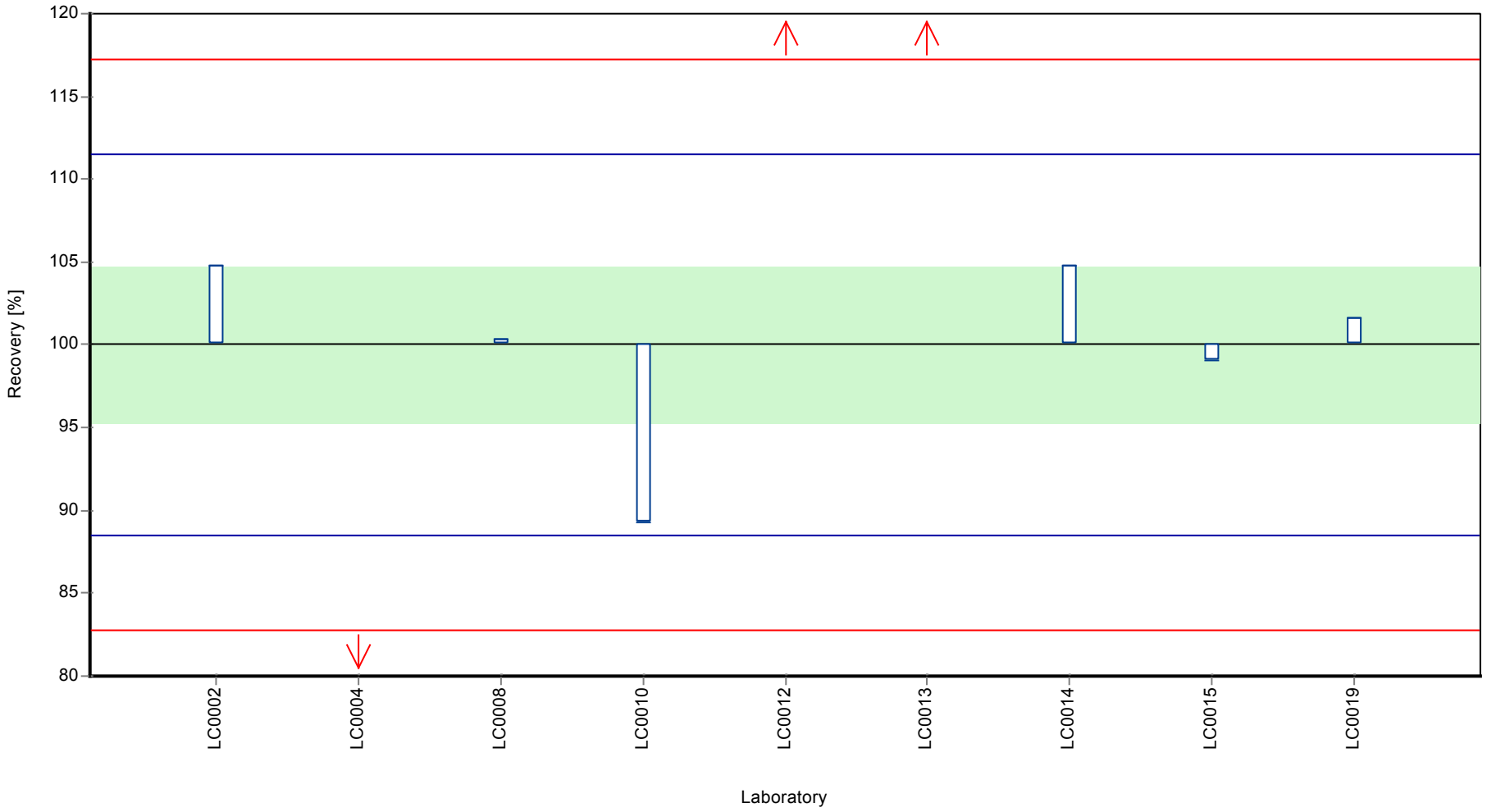
	all results	without outliers	Unit
Mean ± CI (99%)	0.388 ± 0.277	0.315 ± 0.0222	µg/l
Minimum	0.115	0.281	µg/l
Maximum	1.1	0.33	µg/l
Standard deviation	0.277	0.0181	µg/l
rel. Standard deviation	71.5	5.75	%
n	9	6	-

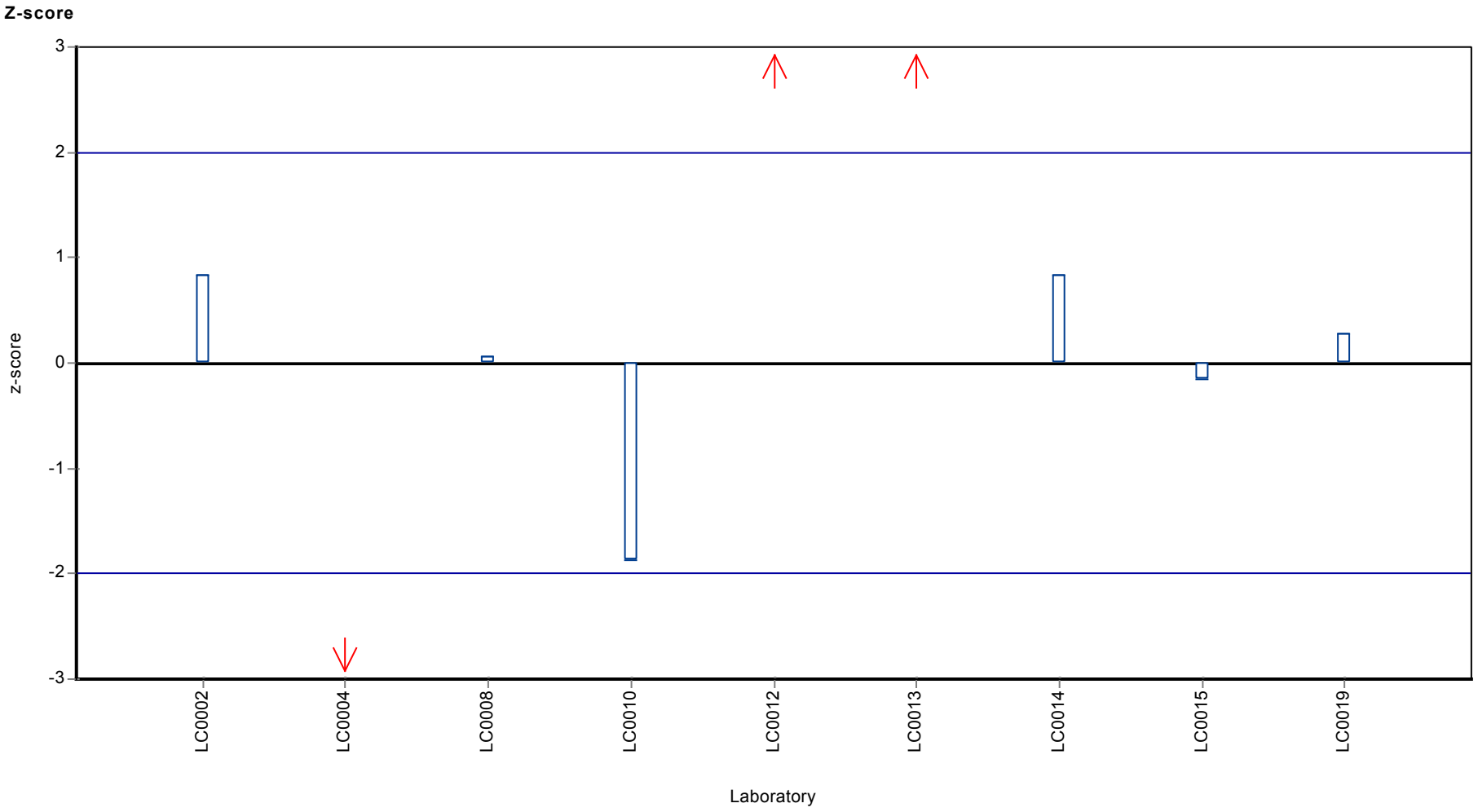
Graphical presentation of results

Results



Recovery rate




Z-score
3
2
1
0
-1
-2
-3
z-score
LC0002
LC0004
LC0008
LC0010
LC0012
LC0013
LC0014
LC0015
LC0019
Laboratory

Parameter oriented report

H100 B

N,N-Dimethylsulfamide (DMS)

Unit	µg/l
Mean ± CI (99%)	0.943 ± 0.0849
Minimum - Maximum	0.81 - 1.03
Control test value ± U	0.899 ± 0.144

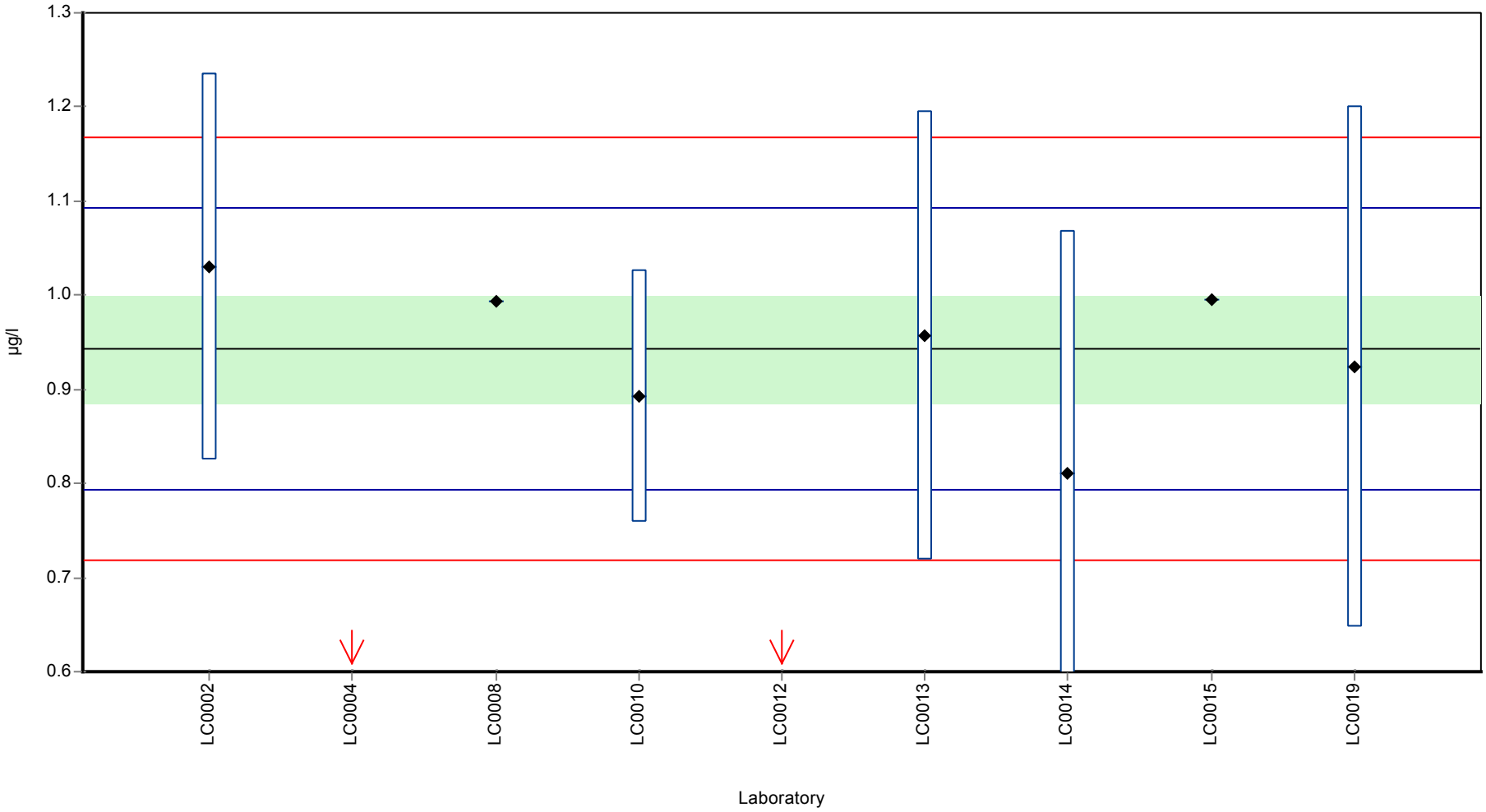
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	1.03	0.205	109	1.16	
LC0003	-	-	-	-	
LC0004	0.453	0.068	48	-6.55	H
LC0005	-	-	-	-	
LC0006	-	-	-	-	
LC0007	-	-	-	-	
LC0008	0.993	-	105	0.67	
LC0009	-	-	-	-	
LC0010	0.892	0.134	94.6	-0.68	
LC0011	-	-	-	-	
LC0012	0.276	0.0414	29.3	-8.91	H
LC0013	0.957	0.239	101	0.19	
LC0014	0.81	0.259	85.9	-1.78	
LC0015	0.995	-	106	0.69	
LC0016	-	-	-	-	
LC0017	-	-	-	-	
LC0018	-	-	-	-	
LC0019	0.924	0.2772	98	-0.25	

Characteristics of parameter

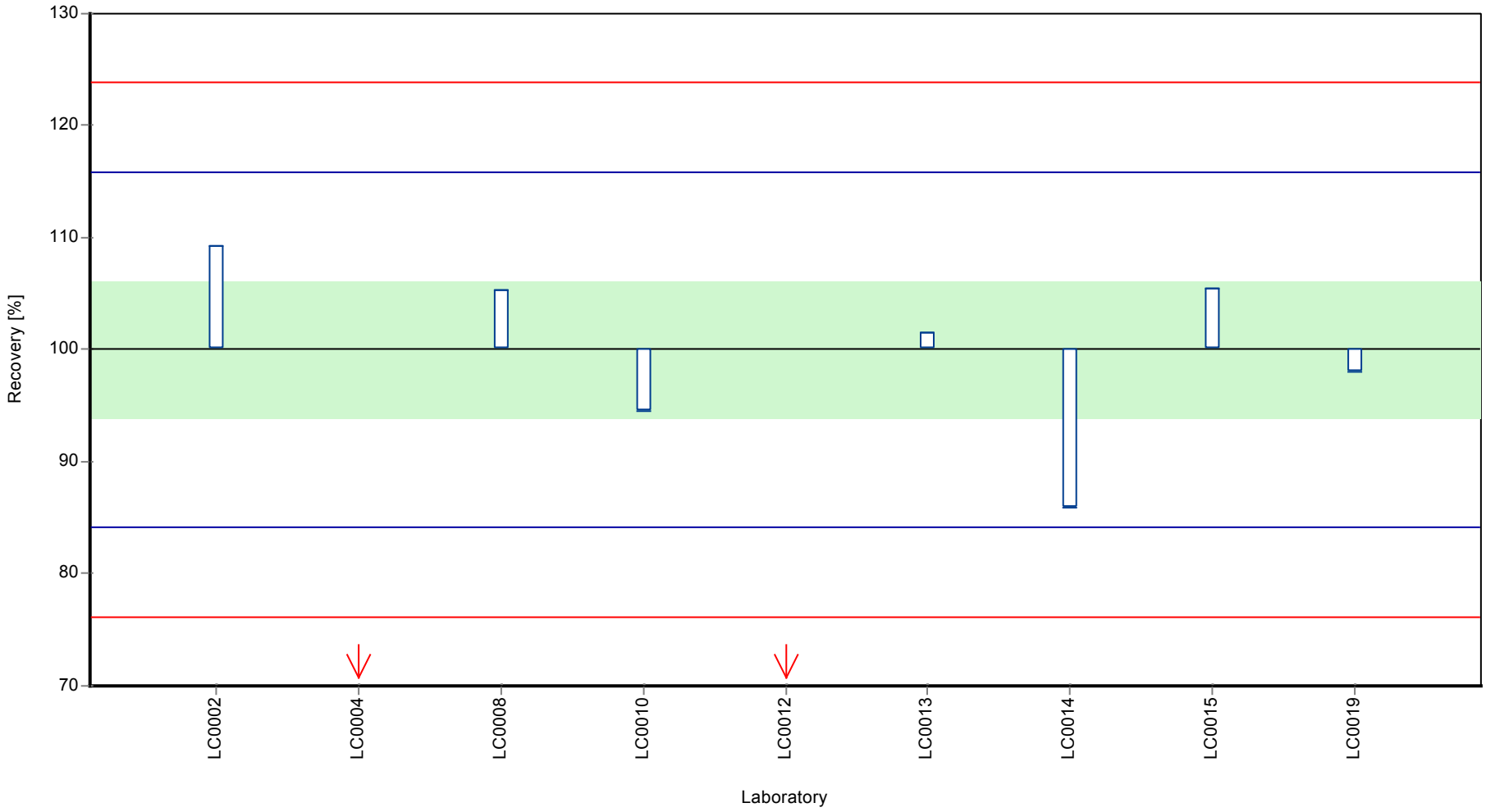
	all results	without outliers	Unit
Mean ± CI (99%)	0.814 ± 0.267	0.943 ± 0.0849	µg/l
Minimum	0.276	0.81	µg/l
Maximum	1.03	1.03	µg/l
Standard deviation	0.267	0.0749	µg/l
rel. Standard deviation	32.8	7.94	%
n	9	7	-

Graphical presentation of results

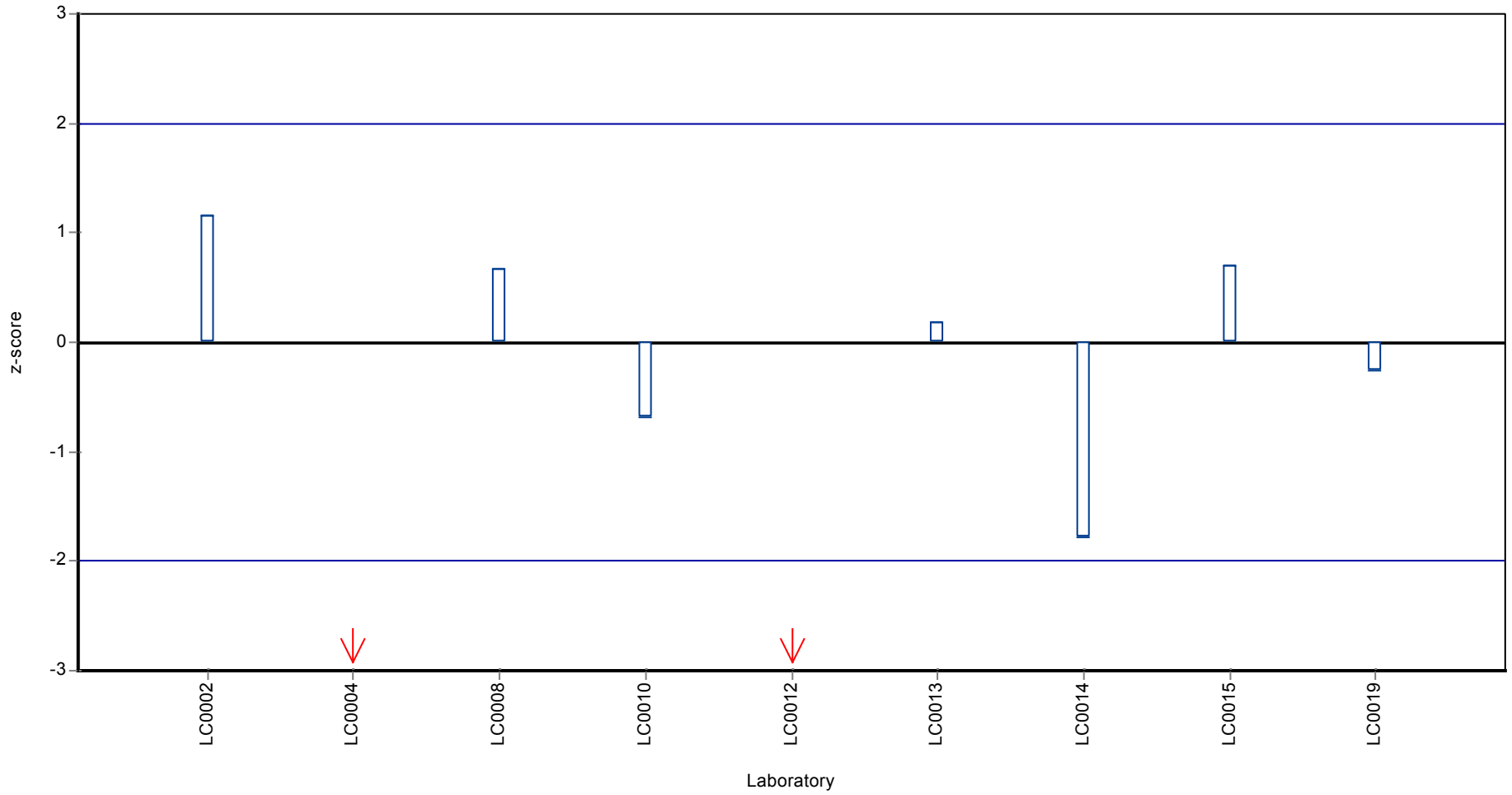
Results



Recovery rate



Z-score


3
2
1
0
-1
-2
-3
z-score
LC0002
LC0004
LC0008
LC0010
LC0012
LC0013
LC0014
LC0015
LC0019
Laboratory

Parameter oriented report

H100 A

Nicosulfurone

Unit	µg/l
Mean ± CI (99%)	0.209 ± 0.0343
Minimum - Maximum	0.154 - 0.269
Control test value ± U	0.196 ± 0.0313

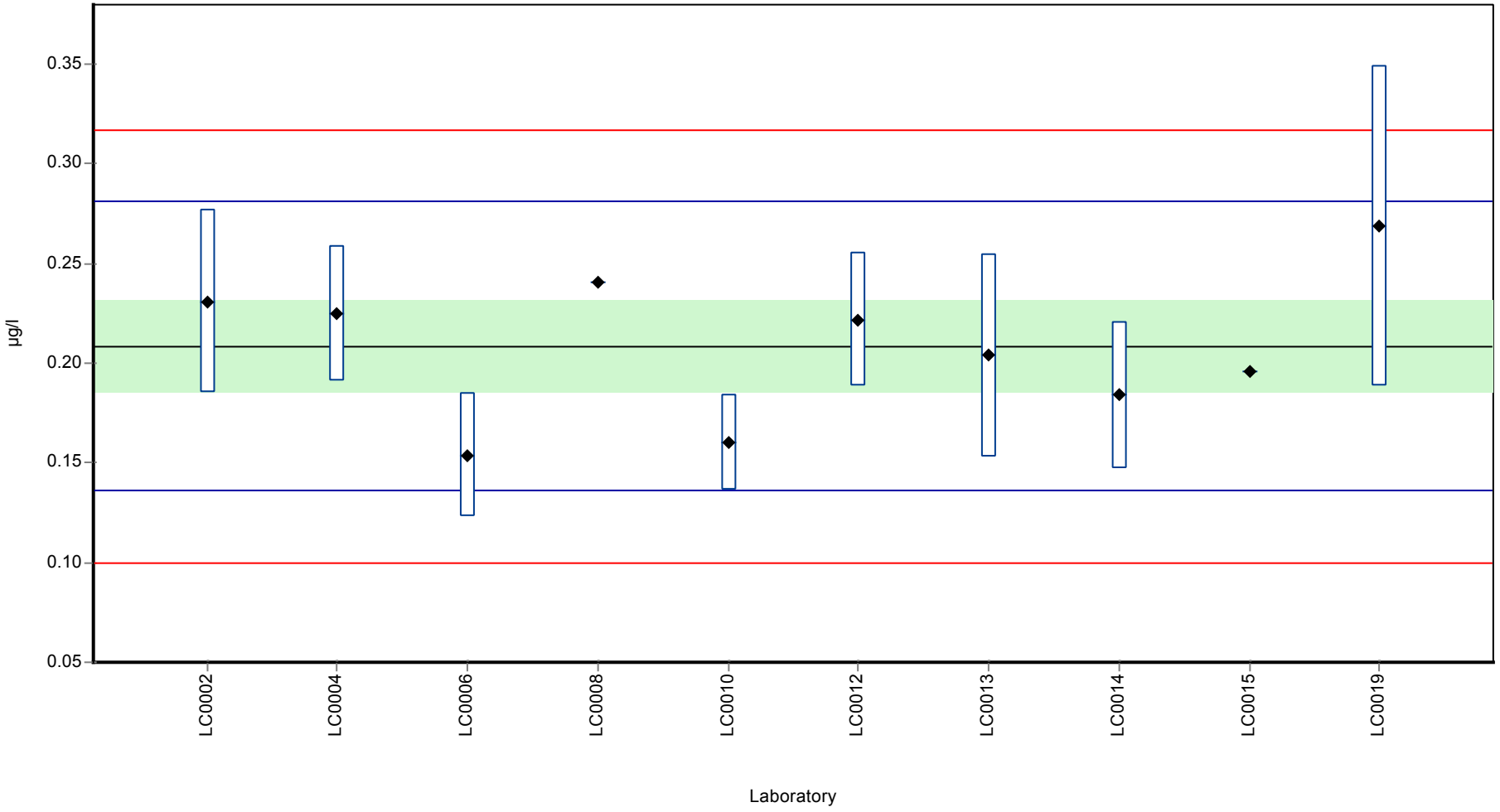
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	0.231	0.046	111	0.62	
LC0003	-	-	-	-	
LC0004	0.225	0.034	108	0.45	
LC0005	-	-	-	-	
LC0006	0.154	0.031	73.8	-1.51	
LC0007	-	-	-	-	
LC0008	0.241	-	116	0.9	
LC0009	-	-	-	-	
LC0010	0.16	0.024	76.7	-1.34	
LC0011	-	-	-	-	
LC0012	0.222	0.0333	106	0.37	
LC0013	0.204	0.051	97.8	-0.13	
LC0014	0.184	0.037	88.2	-0.68	
LC0015	0.196	-	94	-0.35	
LC0016	-	-	-	-	
LC0017	-	-	-	-	
LC0018	-	-	-	-	
LC0019	0.269	0.0807	129	1.67	

Characteristics of parameter

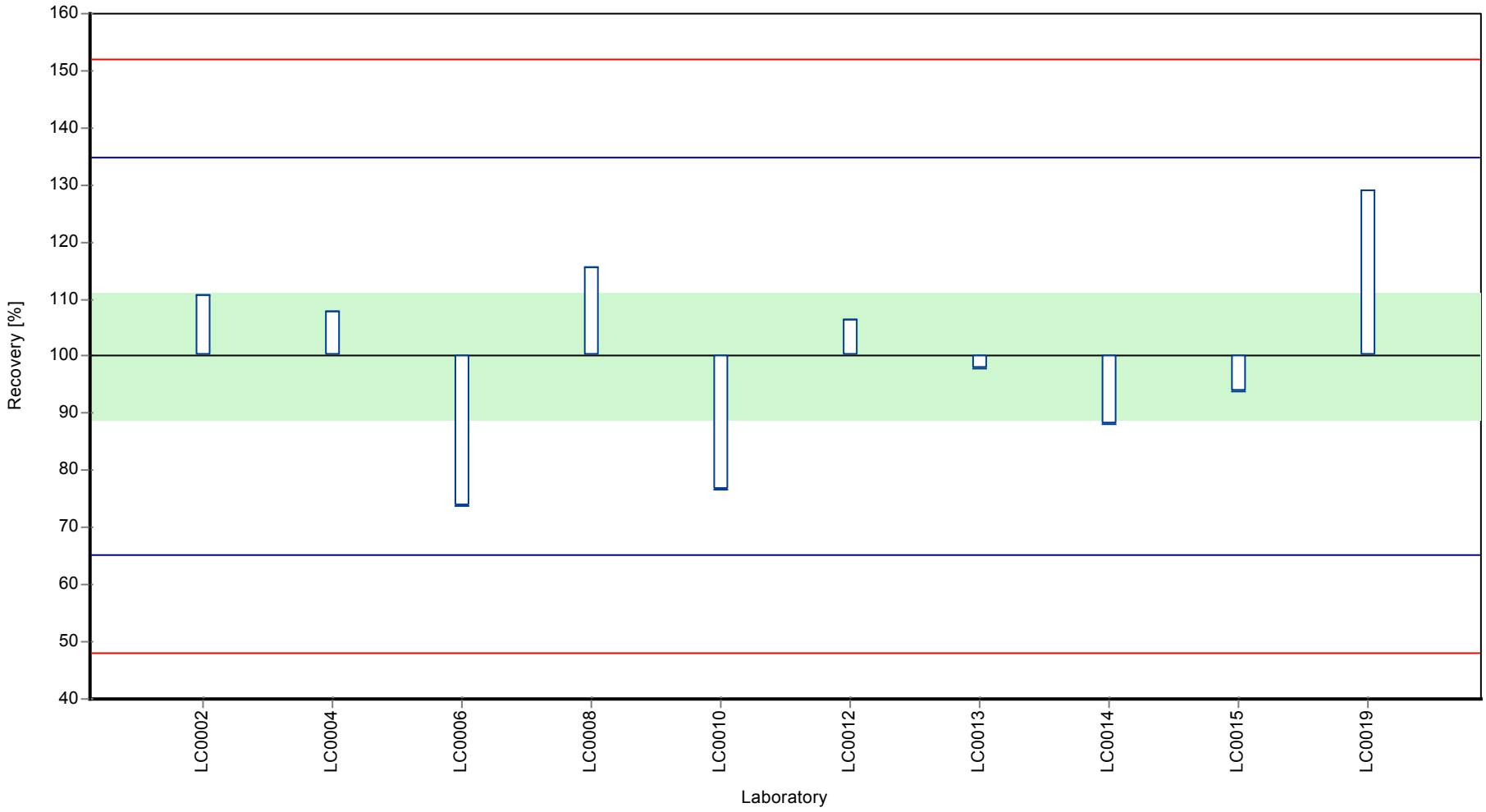
	all results	without outliers	Unit
Mean ± CI (99%)	0.209 ± 0.0343	0.209 ± 0.0343	µg/l
Minimum	0.154	0.154	µg/l
Maximum	0.269	0.269	µg/l
Standard deviation	0.0362	0.0362	µg/l
rel. Standard deviation	17.3	17.3	%
n	10	10	-

Graphical presentation of results

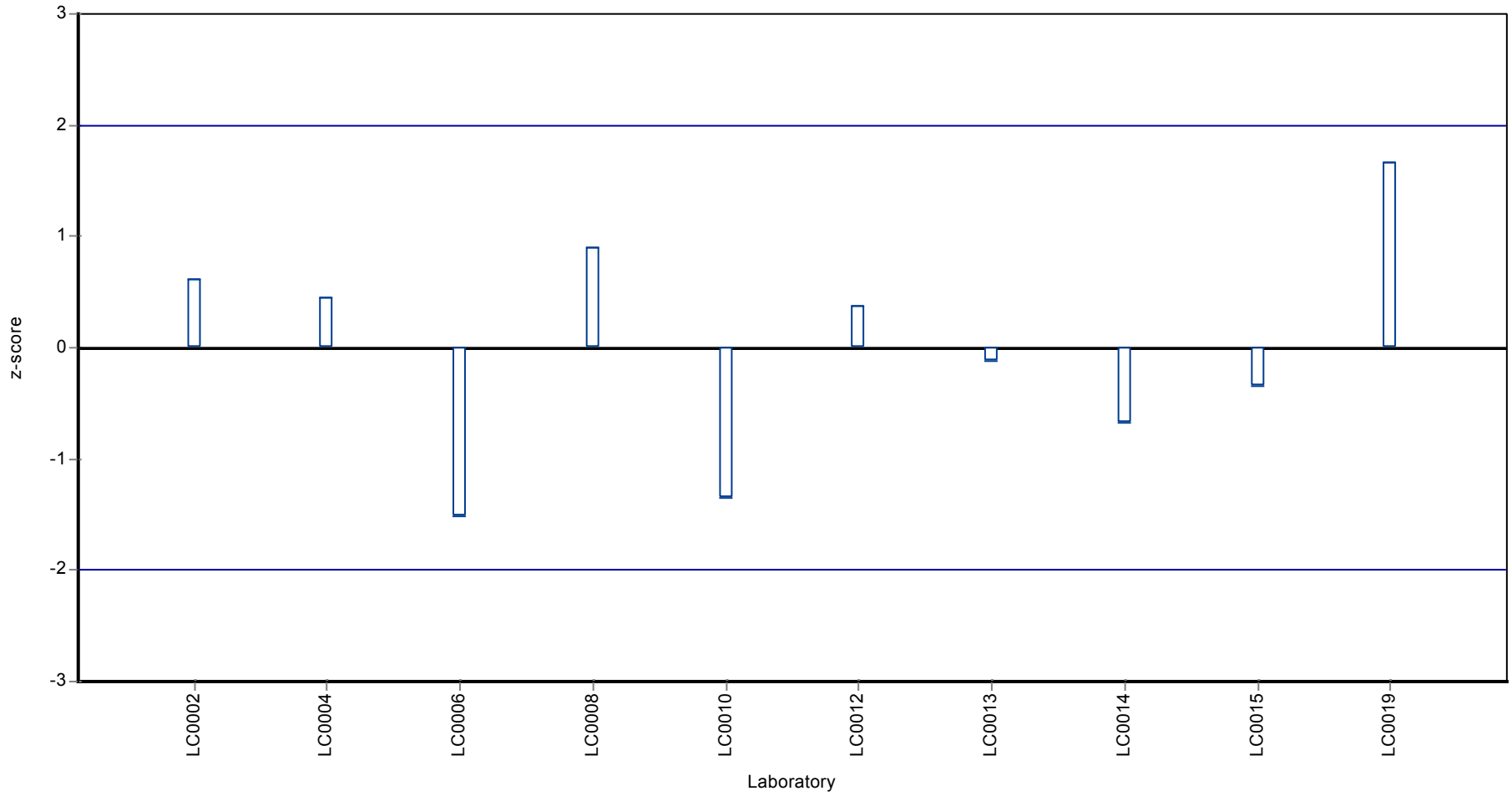
Results



Recovery rate



Z-score


3
2
1
0
-1
-2
-3
z-score
LC0002
LC0004
LC0006
LC0008
LC0010
LC0012
LC0013
LC0014
LC0015
LC0019
Laboratory

Parameter oriented report

H100 B

Nicosulfurone

Unit	µg/l
Mean ± CI (99%)	0.649 ± 0.112
Minimum - Maximum	0.493 - 0.859
Control test value ± U	0.671 ± 0.107

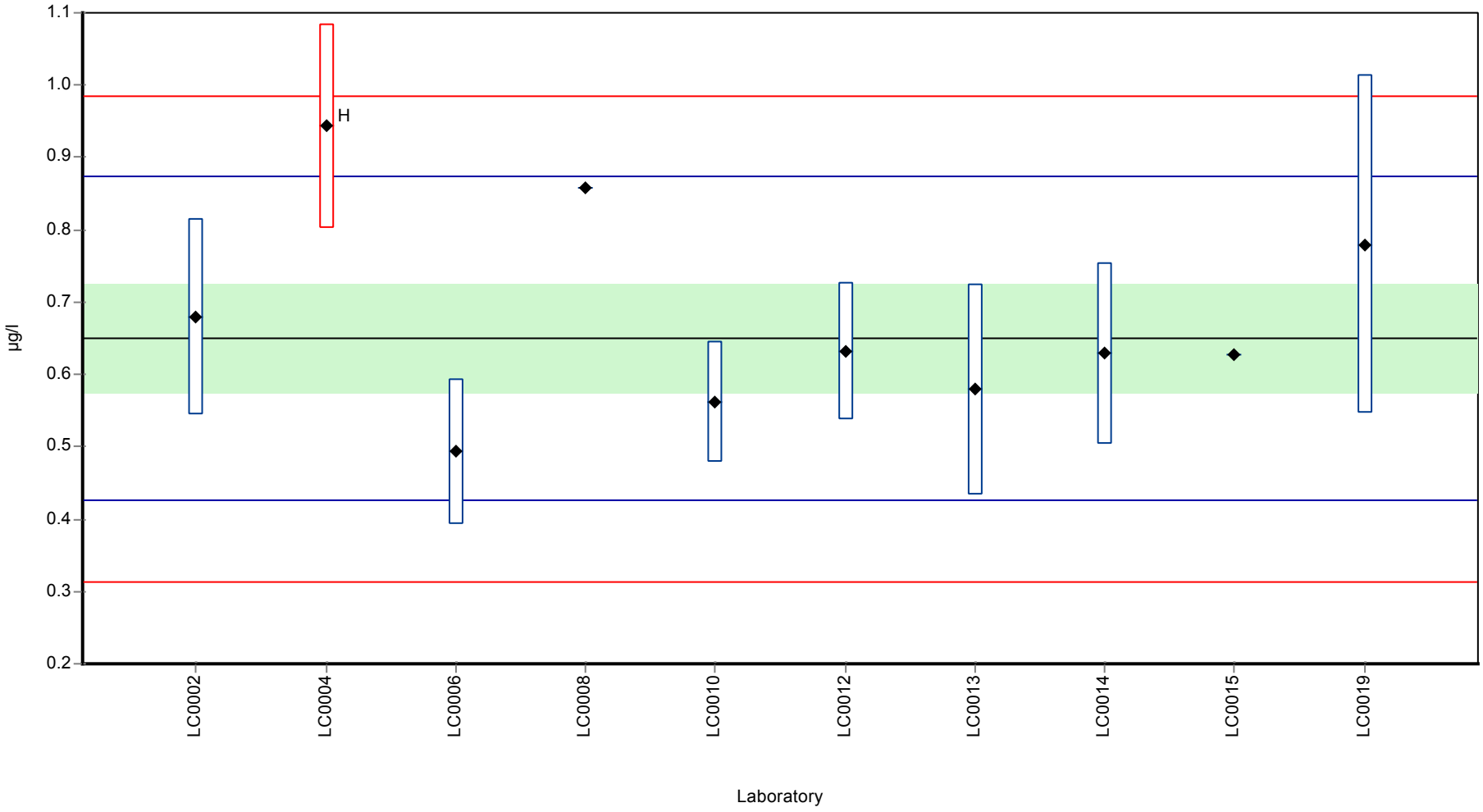
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	0.68	0.136	105	0.28	
LC0003	-	-	-	-	
LC0004	0.943	0.141	145	2.63	H
LC0005	-	-	-	-	
LC0006	0.493	0.1	76	-1.4	
LC0007	-	-	-	-	
LC0008	0.859	-	132	1.88	
LC0009	-	-	-	-	
LC0010	0.562	0.084	86.6	-0.78	
LC0011	-	-	-	-	
LC0012	0.632	0.0948	97.4	-0.15	
LC0013	0.579	0.145	89.2	-0.63	
LC0014	0.629	0.126	96.9	-0.18	
LC0015	0.628	-	96.7	-0.19	
LC0016	-	-	-	-	
LC0017	-	-	-	-	
LC0018	-	-	-	-	
LC0019	0.78	0.234	120	1.17	

Characteristics of parameter

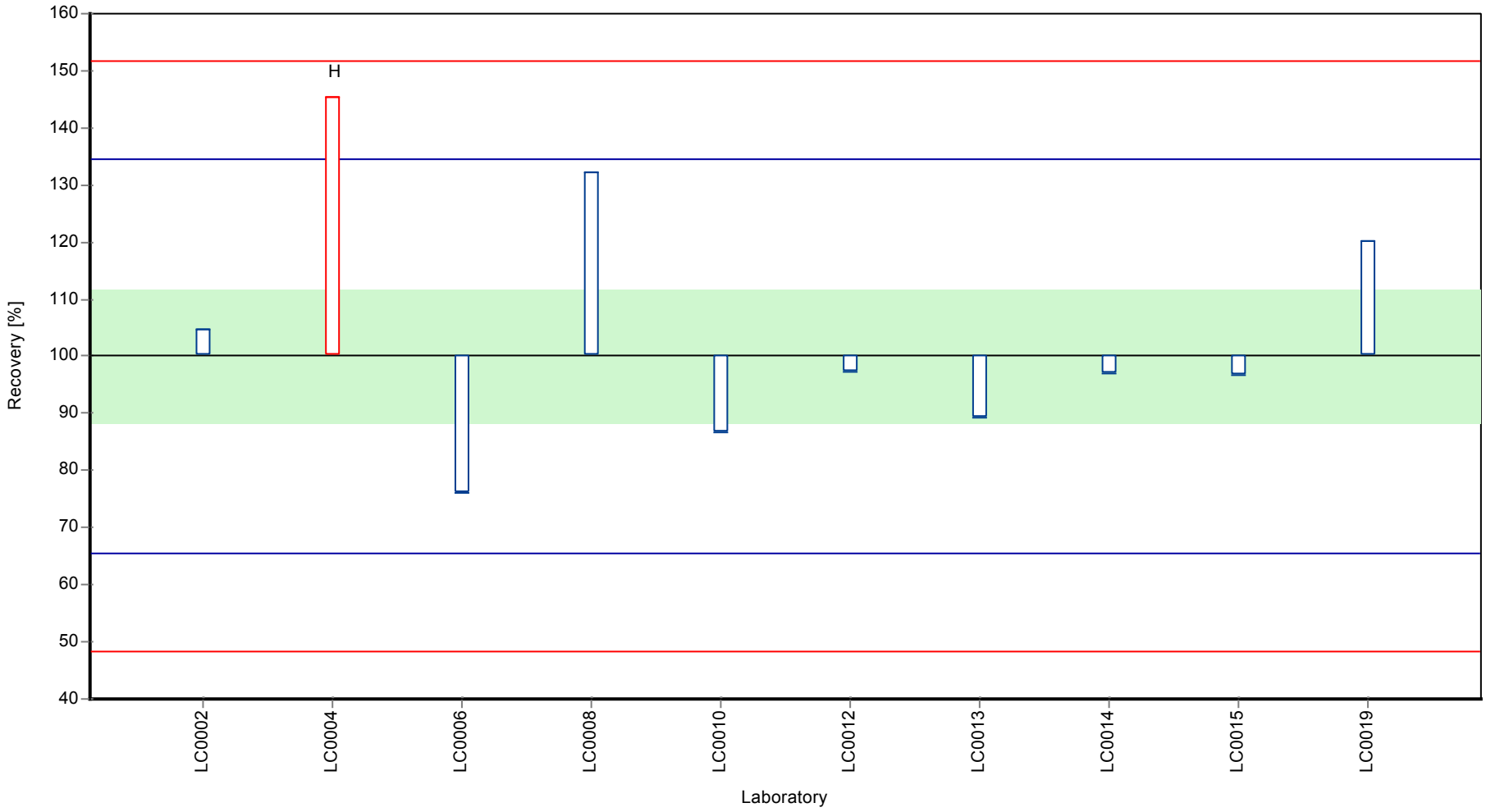
	all results	without outliers	Unit
Mean ± CI (99%)	0.678 ± 0.133	0.649 ± 0.112	µg/l
Minimum	0.493	0.493	µg/l
Maximum	0.943	0.859	µg/l
Standard deviation	0.141	0.112	µg/l
rel. Standard deviation	20.7	17.2	%
n	10	9	-

Graphical presentation of results

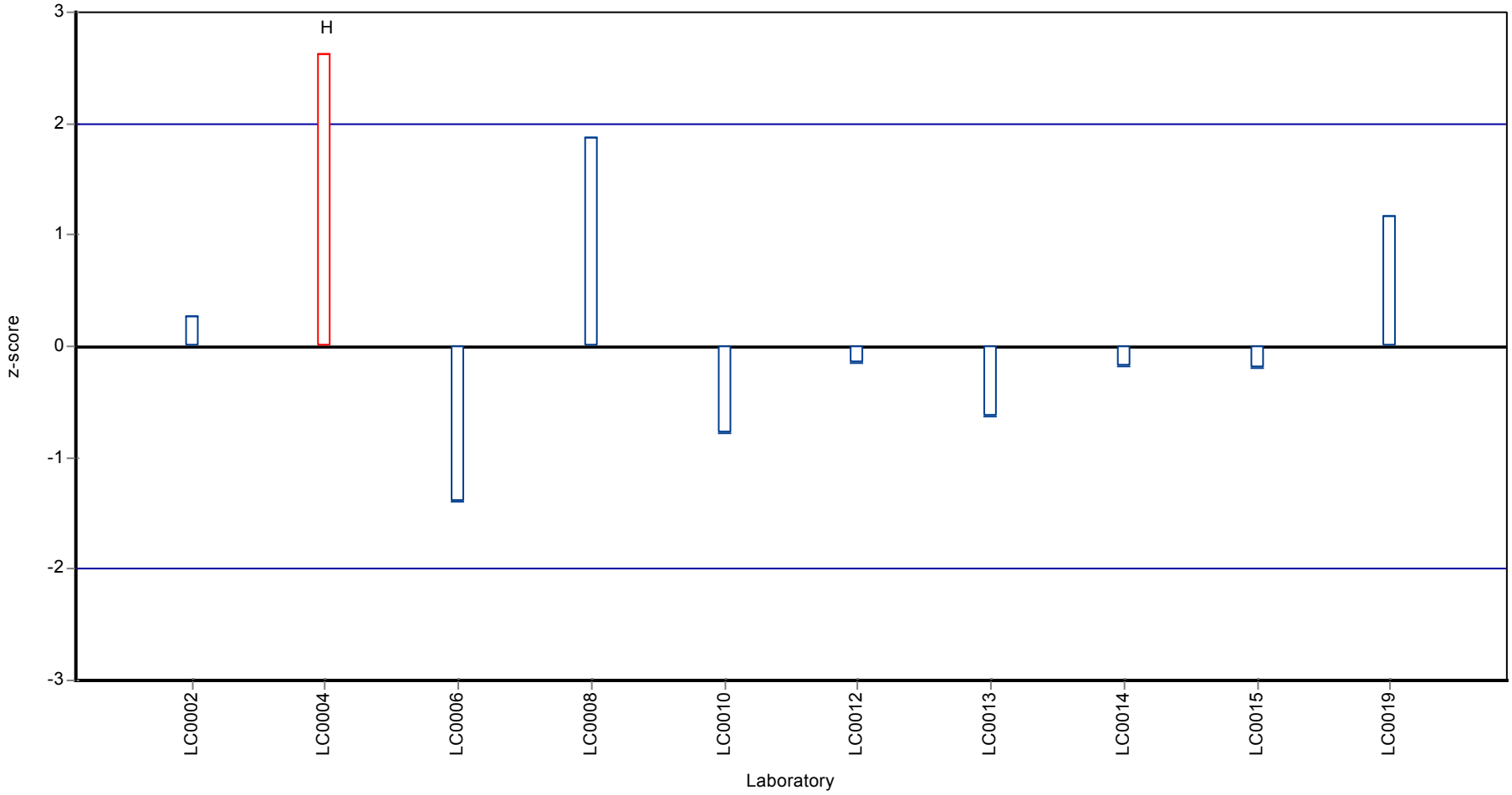
Results



Recovery rate



Z-score


3
2
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-1
-2
-3
z-score
H
LC0002
LC0004
LC0006
LC0008
LC0010
LC0012
LC0013
LC0014
LC0015
LC0019
Laboratory

Parameter oriented report

H100 A

Prometryn

Unit	µg/l
Mean ± CI (99%)	0.737 ± 0.0261
Minimum - Maximum	0.691 - 0.775
Control test value ± U	0.695 ± 0.111

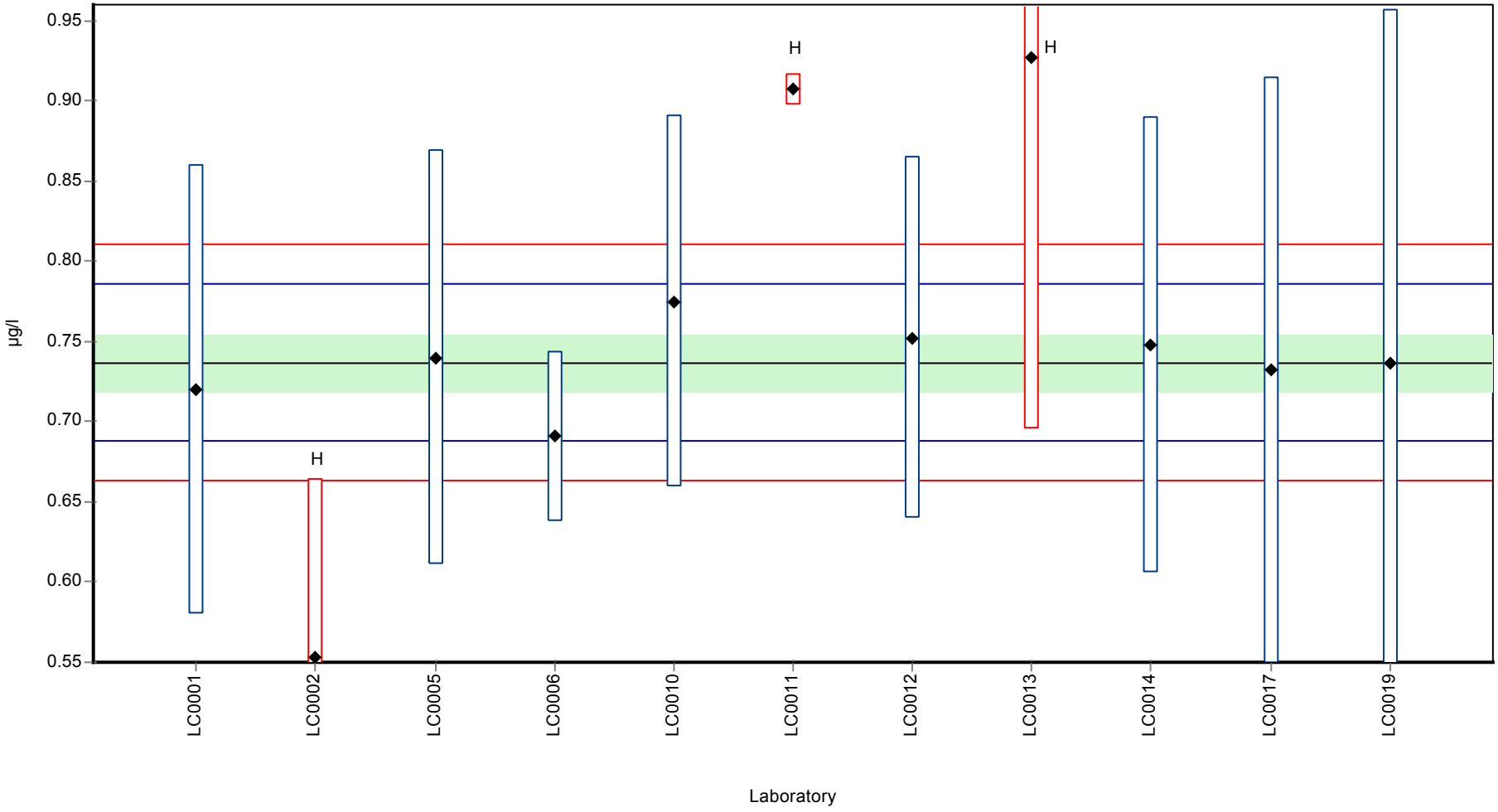
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.72	0.14	97.7	-0.68	
LC0002	0.553	0.111	75.1	-7.48	H
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	0.74	0.129	100	0.13	
LC0006	0.691	0.053	93.8	-1.86	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	-	-	-	-	
LC0010	0.775	0.116	105	1.56	
LC0011	0.907	0.01	123	6.93	H
LC0012	0.752	0.1128	102	0.62	
LC0013	0.927	0.232	126	7.74	H
LC0014	0.748	0.142	102	0.46	
LC0015	-	-	-	-	
LC0016	-	-	-	-	
LC0017	0.732	0.183	99.4	-0.19	
LC0018	-	-	-	-	
LC0019	0.736	0.2208	99.9	-0.03	

Characteristics of parameter

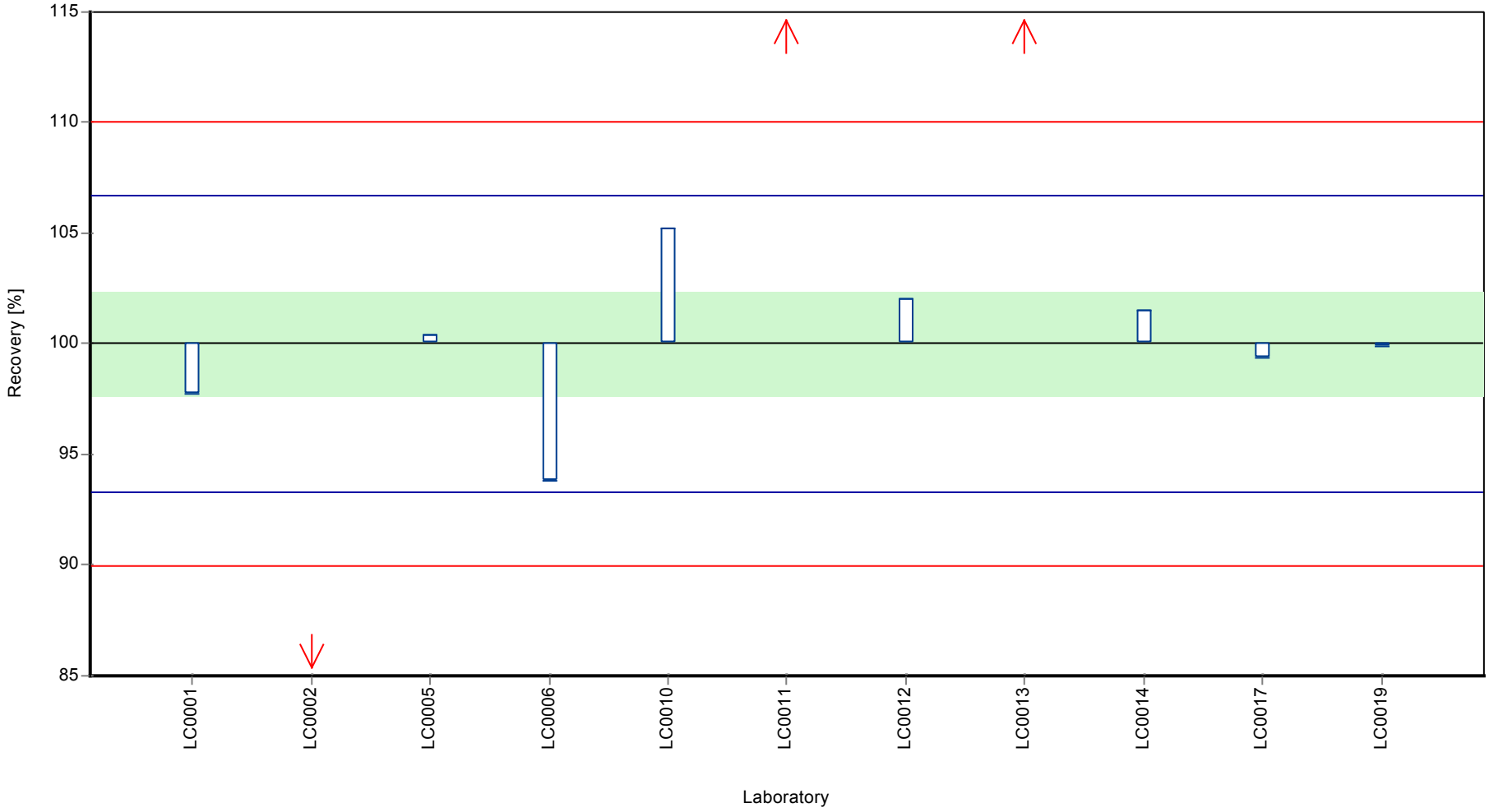
	all results	without outliers	Unit
Mean ± CI (99%)	0.753 ± 0.0906	0.737 ± 0.0261	µg/l
Minimum	0.553	0.691	µg/l
Maximum	0.927	0.775	µg/l
Standard deviation	0.1	0.0246	µg/l
rel. Standard deviation	13.3	3.34	%
n	11	8	-

Graphical presentation of results

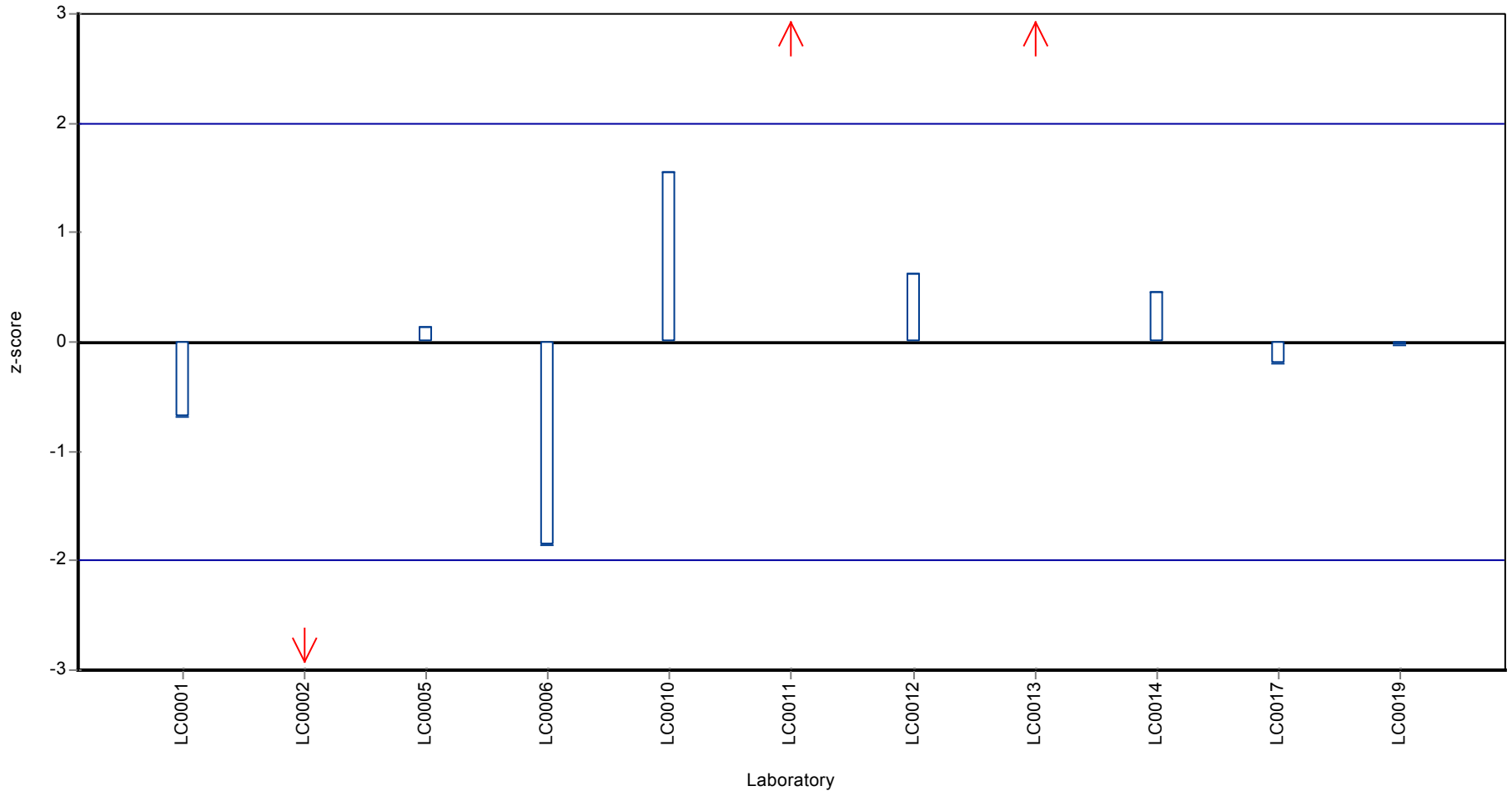
Results



Recovery rate



Z-score


3
2
1
0
-1
-2
-3
z-score
LC0001
LC0002
LC0005
LC0006
LC0010
LC0011
LC0012
LC0013
LC0014
LC0017
LC0019
Laboratory

Parameter oriented report

H100 B

Prometryn

Unit	µg/l
Mean ± CI (99%)	0.296 ± 0.0277
Minimum - Maximum	0.238 - 0.338
Control test value ± U	0.271 ± 0.0434

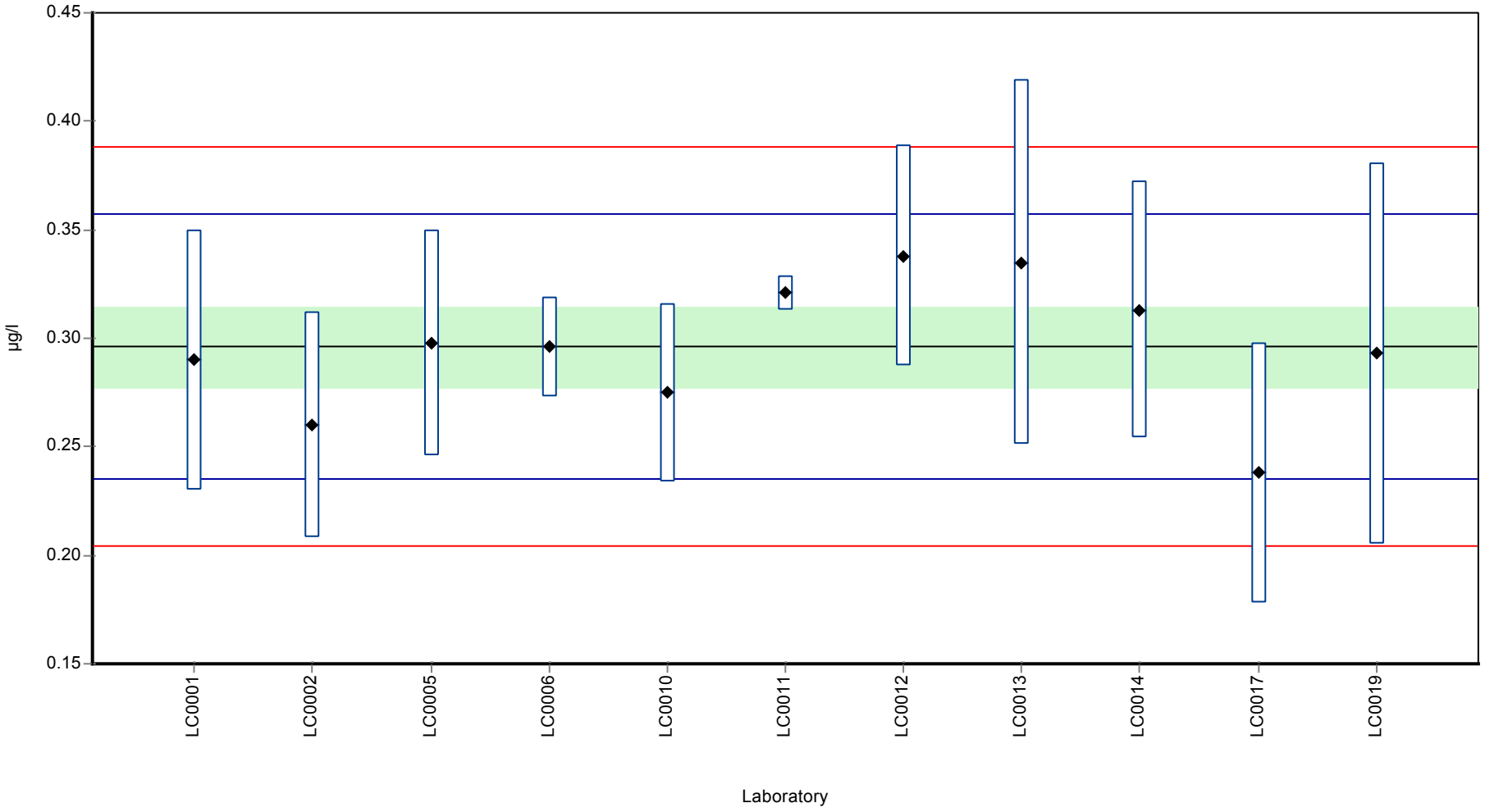
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.29	0.06	97.9	-0.2	
LC0002	0.26	0.052	87.8	-1.18	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	0.298	0.052	101	0.06	
LC0006	0.296	0.023	100	0.00	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	-	-	-	-	
LC0010	0.275	0.041	92.9	-0.69	
LC0011	0.321	0.008	108	0.81	
LC0012	0.338	0.0507	114	1.37	
LC0013	0.335	0.084	113	1.27	
LC0014	0.313	0.059	106	0.55	
LC0015	-	-	-	-	
LC0016	-	-	-	-	
LC0017	0.238	0.06	80.4	-1.9	
LC0018	-	-	-	-	
LC0019	0.293	0.0879	99	-0.1	

Characteristics of parameter

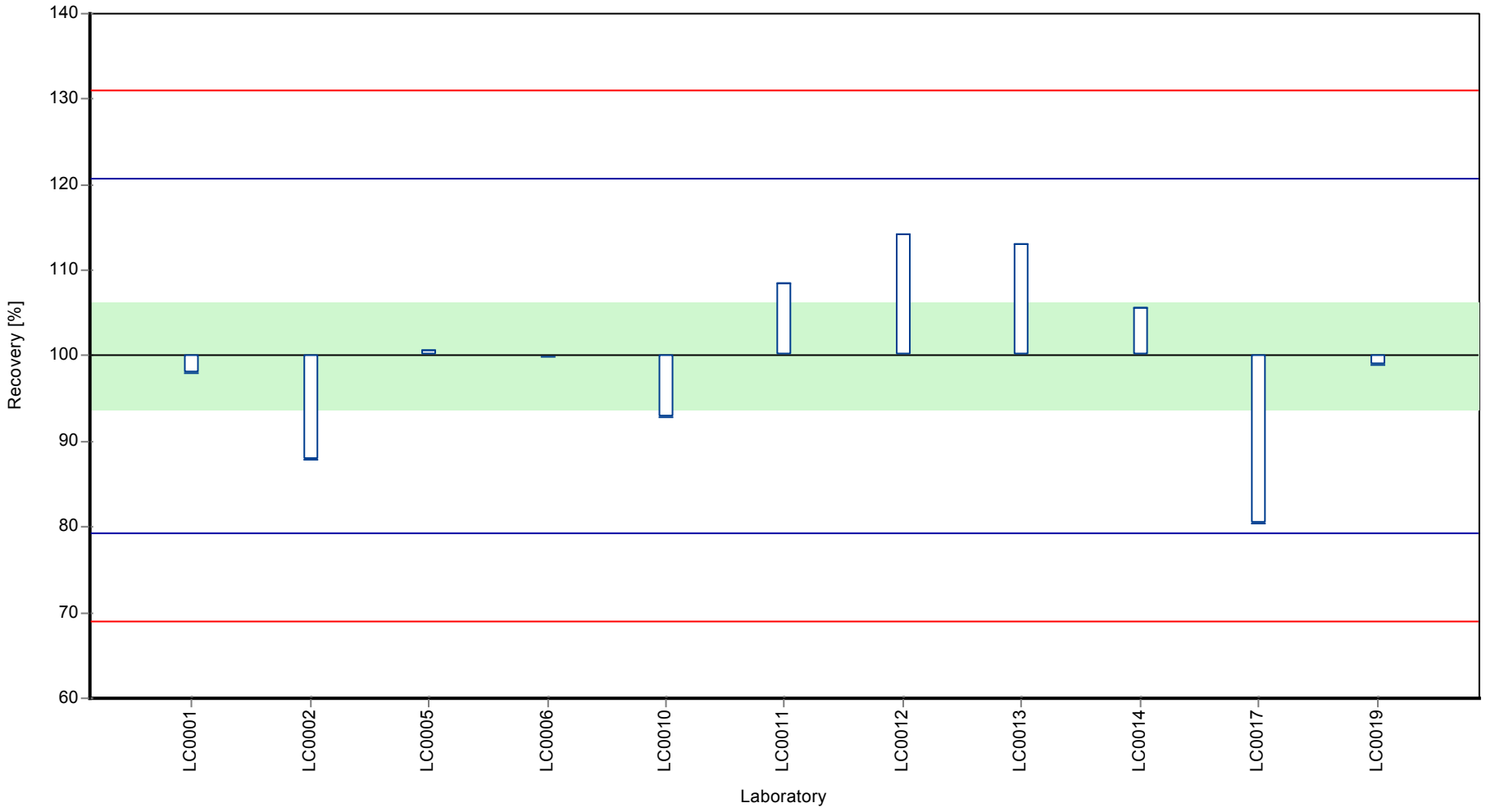
	all results	without outliers	Unit
Mean ± CI (99%)	0.296 ± 0.0277	0.296 ± 0.0277	µg/l
Minimum	0.238	0.238	µg/l
Maximum	0.338	0.338	µg/l
Standard deviation	0.0306	0.0306	µg/l
rel. Standard deviation	10.3	10.3	%
n	11	11	-

Graphical presentation of results

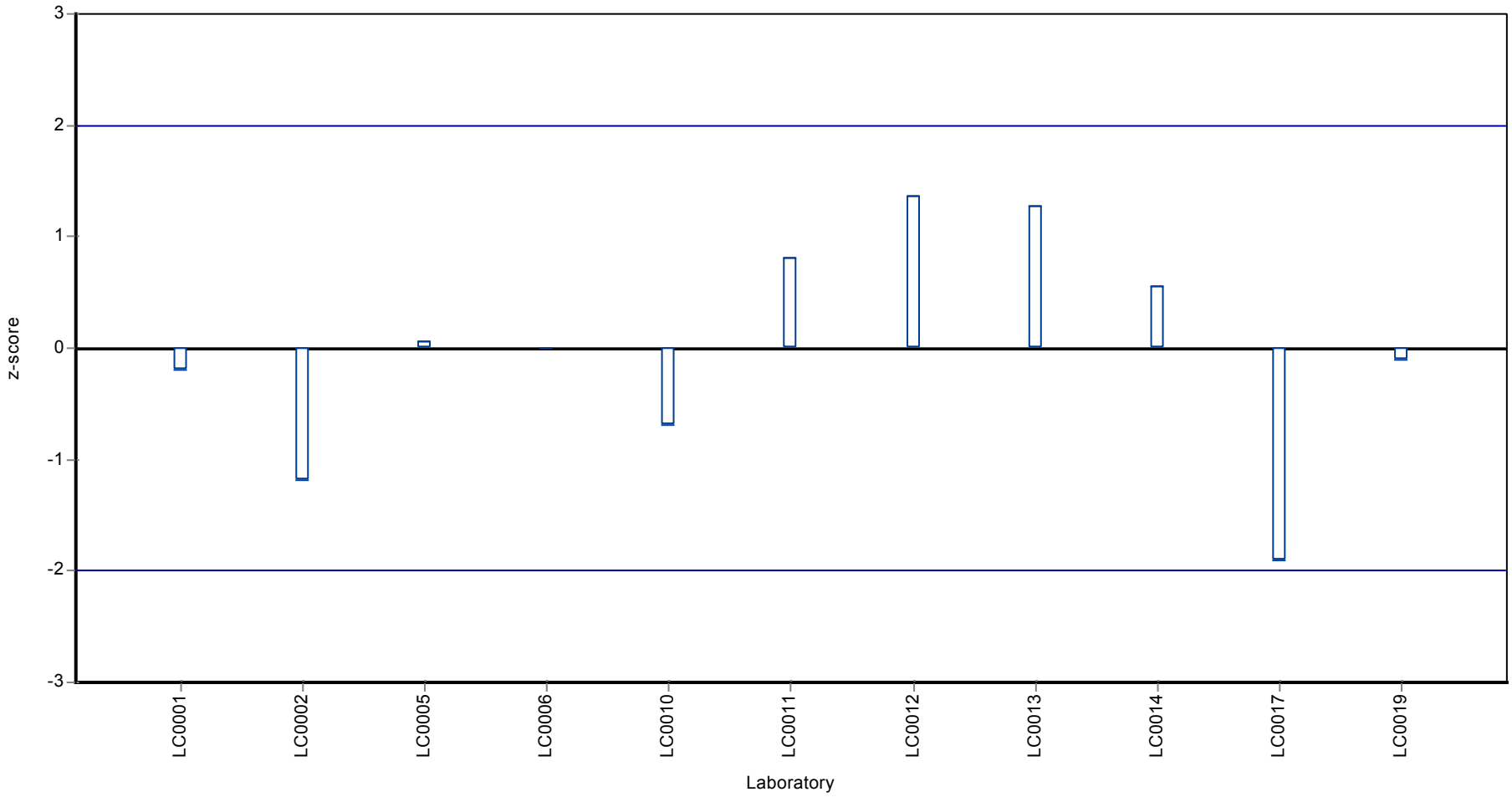
Results



Recovery rate



Z-score


3
2
1
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-1
-2
-3
z-score
LC0001
LC0002
LC0005
LC0006
LC0010
LC0011
LC0012
LC0013
LC0014
LC0017
LC0019
Laboratory

Parameter oriented report

H100 A

Propazine

Unit	µg/l
Mean ± CI (99%)	0.198 ± 0.0184
Minimum - Maximum	0.155 - 0.231
Control test value ± U	0.194 ± 0.0311

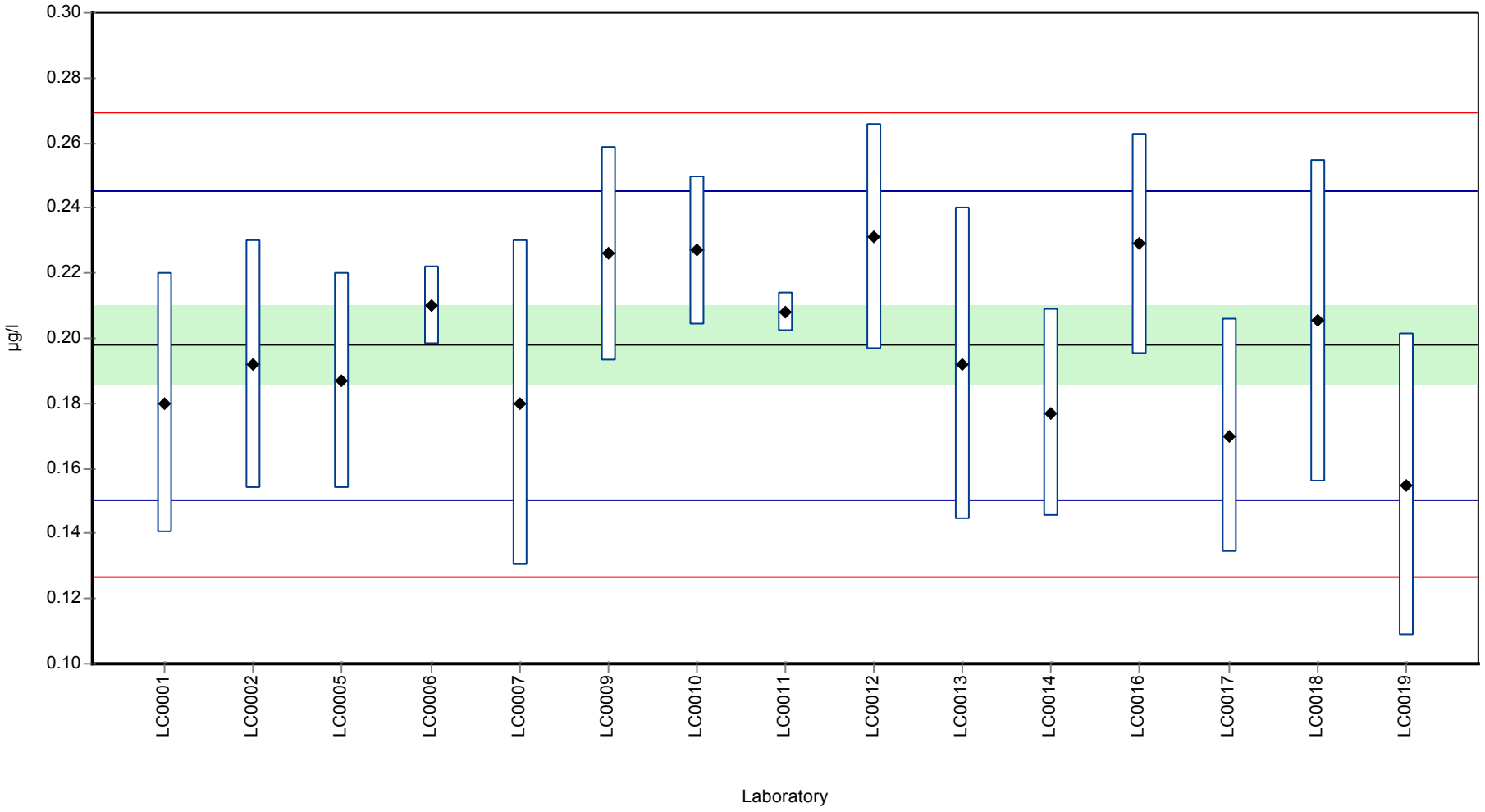
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.18	0.04	90.9	-0.76	
LC0002	0.192	0.038	97	-0.25	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	0.187	0.033	94.5	-0.46	
LC0006	0.21	0.012	106	0.51	
LC0007	0.18	0.05	90.9	-0.76	
LC0008	-	-	-	-	
LC0009	0.226	0.033	114	1.18	
LC0010	0.227	0.023	115	1.22	
LC0011	0.208	0.006	105	0.42	
LC0012	0.231	0.03465	117	1.39	
LC0013	0.192	0.048	97	-0.25	
LC0014	0.177	0.032	89.4	-0.88	
LC0015	-	-	-	-	
LC0016	0.229	0.034	116	1.31	
LC0017	0.17	0.036	85.9	-1.18	
LC0018	0.2054	0.0495	104	0.31	
LC0019	0.155	0.0465	78.3	-1.81	

Characteristics of parameter

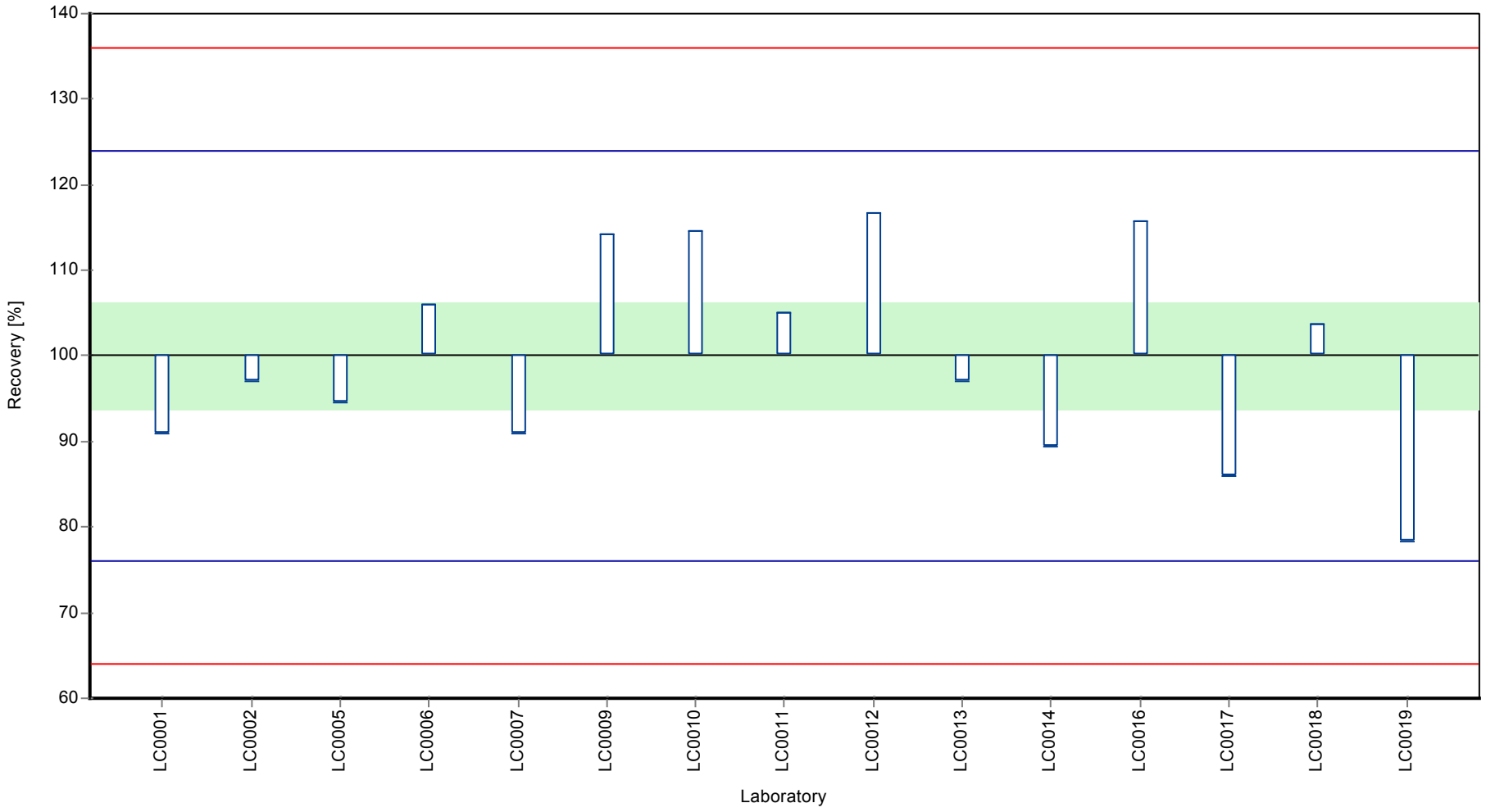
	all results	without outliers	Unit
Mean ± CI (99%)	0.198 ± 0.0184	0.198 ± 0.0184	µg/l
Minimum	0.155	0.155	µg/l
Maximum	0.231	0.231	µg/l
Standard deviation	0.0237	0.0237	µg/l
rel. Standard deviation	12	12	%
n	15	15	-

Graphical presentation of results

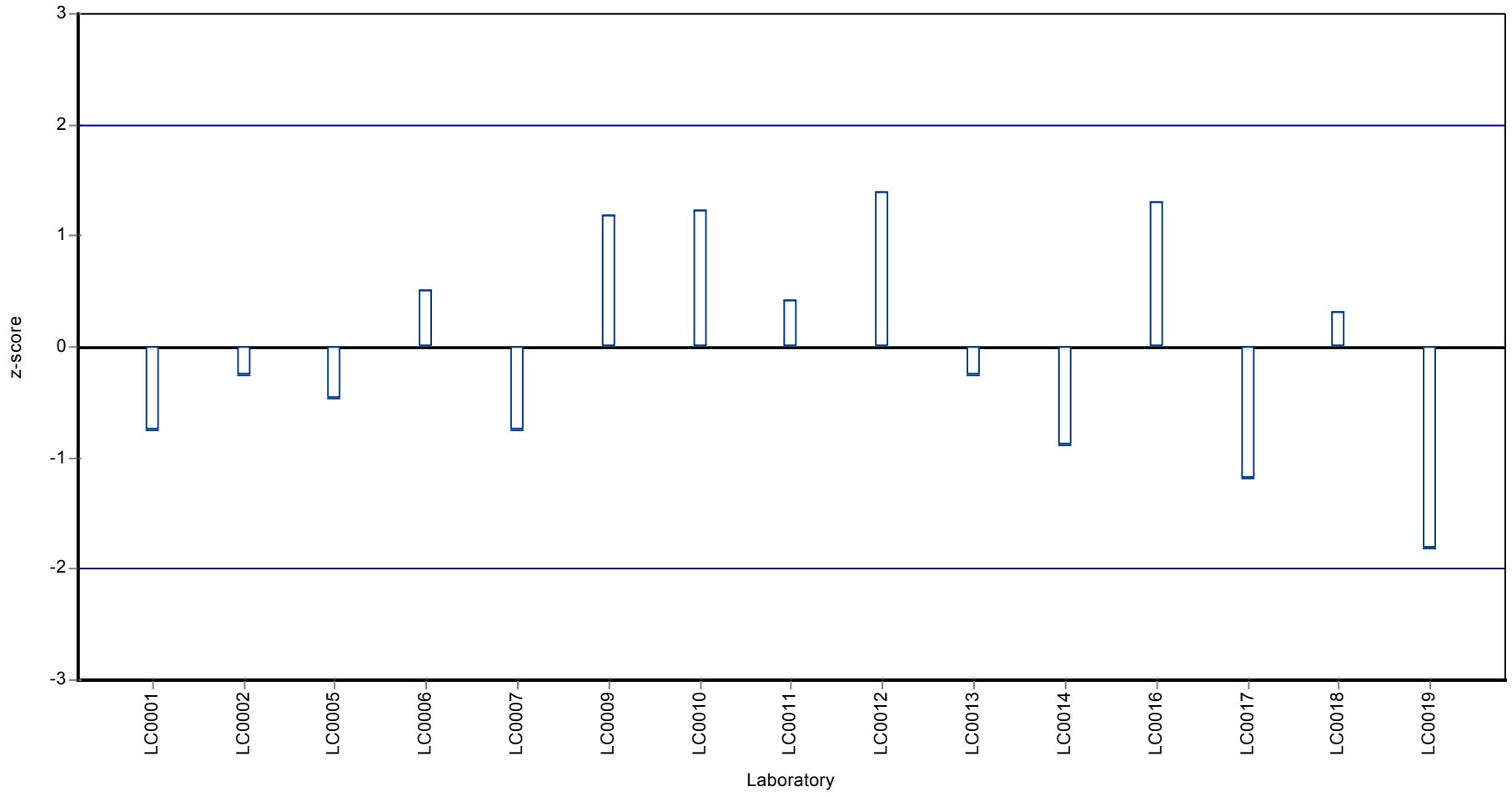
Results



Recovery rate



Z-score


3
2
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0
-1
-2
-3
z-score
LC0001
LC0002
LC0005
LC0006
LC0007
LC0009
LC0010
LC0011
LC0012
LC0013
LC0014
LC0016
LC0017
LC0018
LC0019
Laboratory

Parameter oriented report

H100 B

Propazine

Unit	µg/l
Mean ± CI (99%)	0.203 ± 0.0209
Minimum - Maximum	0.161 - 0.25
Control test value ± U	0.219 ± 0.035

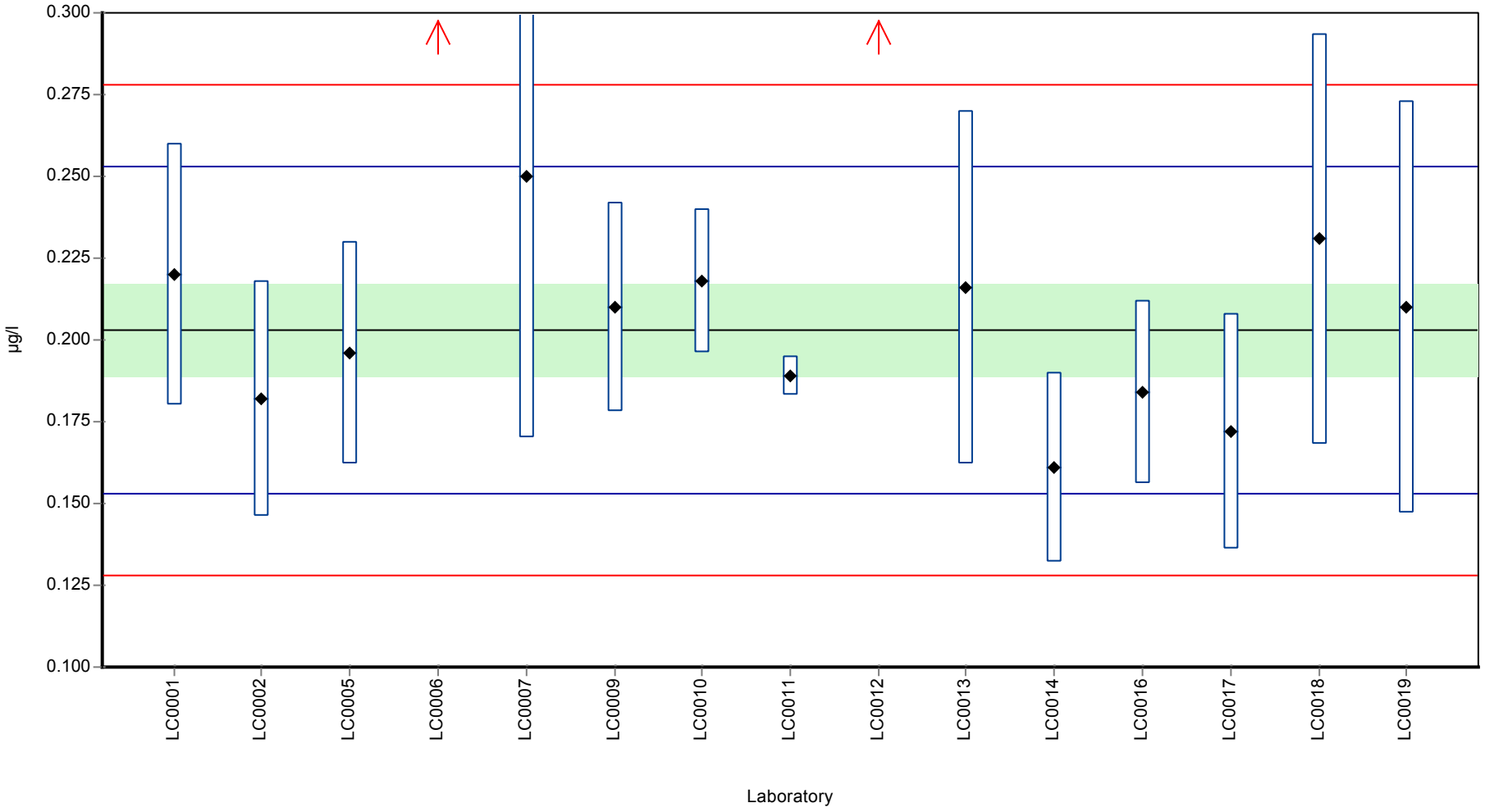
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.22	0.04	108	0.68	
LC0002	0.182	0.036	89.7	-0.84	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	0.196	0.034	96.6	-0.28	
LC0006	0.347	0.019	171	5.74	H
LC0007	0.25	0.08	123	1.88	
LC0008	-	-	-	-	
LC0009	0.21	0.032	103	0.28	
LC0010	0.218	0.022	107	0.6	
LC0011	0.189	0.006	93.1	-0.56	
LC0012	0.313	0.04695	154	4.39	H
LC0013	0.216	0.054	106	0.52	
LC0014	0.161	0.029	79.3	-1.68	
LC0015	-	-	-	-	
LC0016	0.184	0.028	90.6	-0.76	
LC0017	0.172	0.036	84.7	-1.24	
LC0018	0.2309	0.0627	114	1.11	
LC0019	0.21	0.063	103	0.28	

Characteristics of parameter

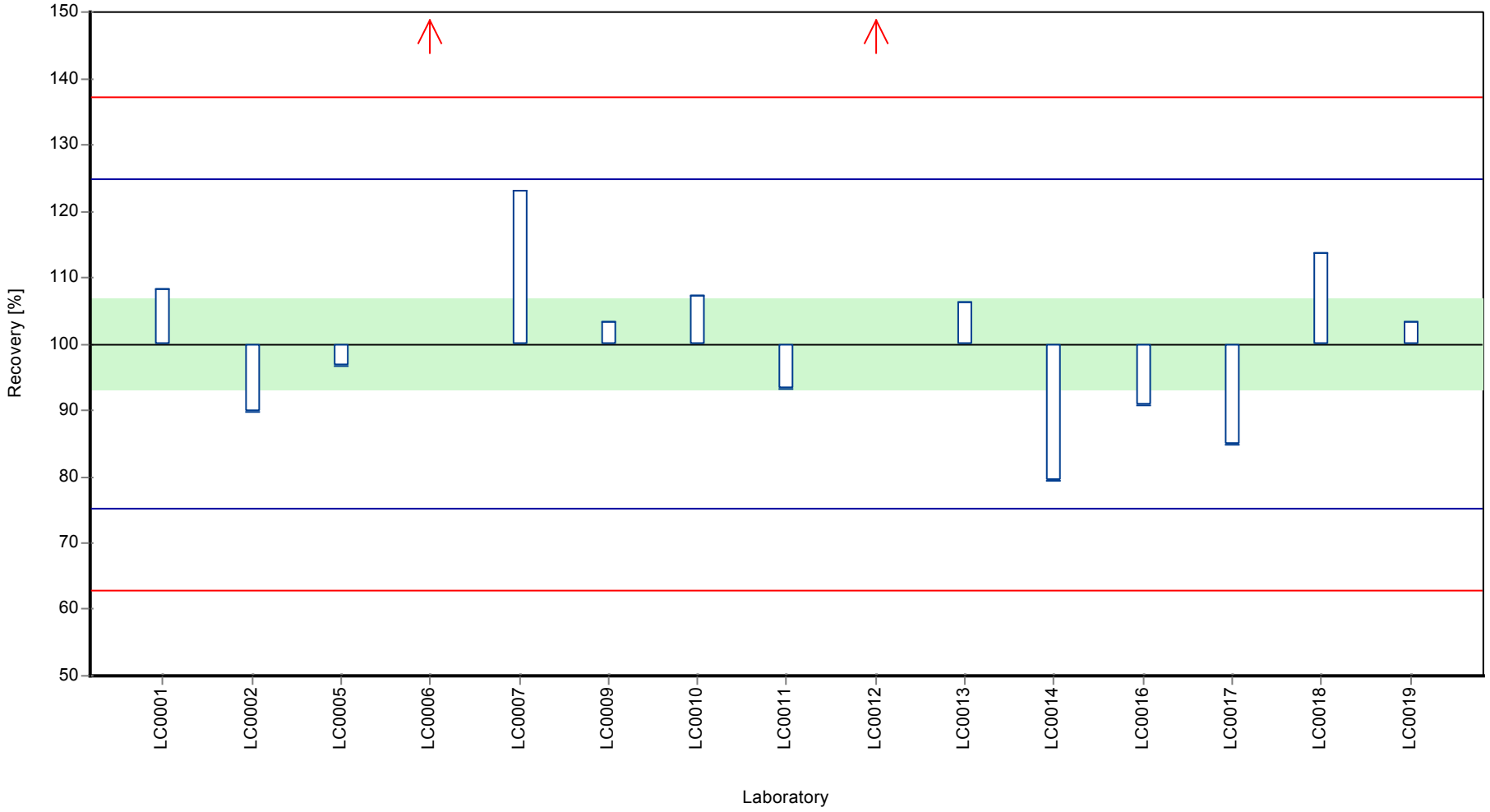
	all results	without outliers	Unit
Mean ± CI (99%)	0.22 ± 0.0393	0.203 ± 0.0209	µg/l
Minimum	0.161	0.161	µg/l
Maximum	0.347	0.25	µg/l
Standard deviation	0.0508	0.0251	µg/l
rel. Standard deviation	23.1	12.3	%
n	15	13	-

Graphical presentation of results

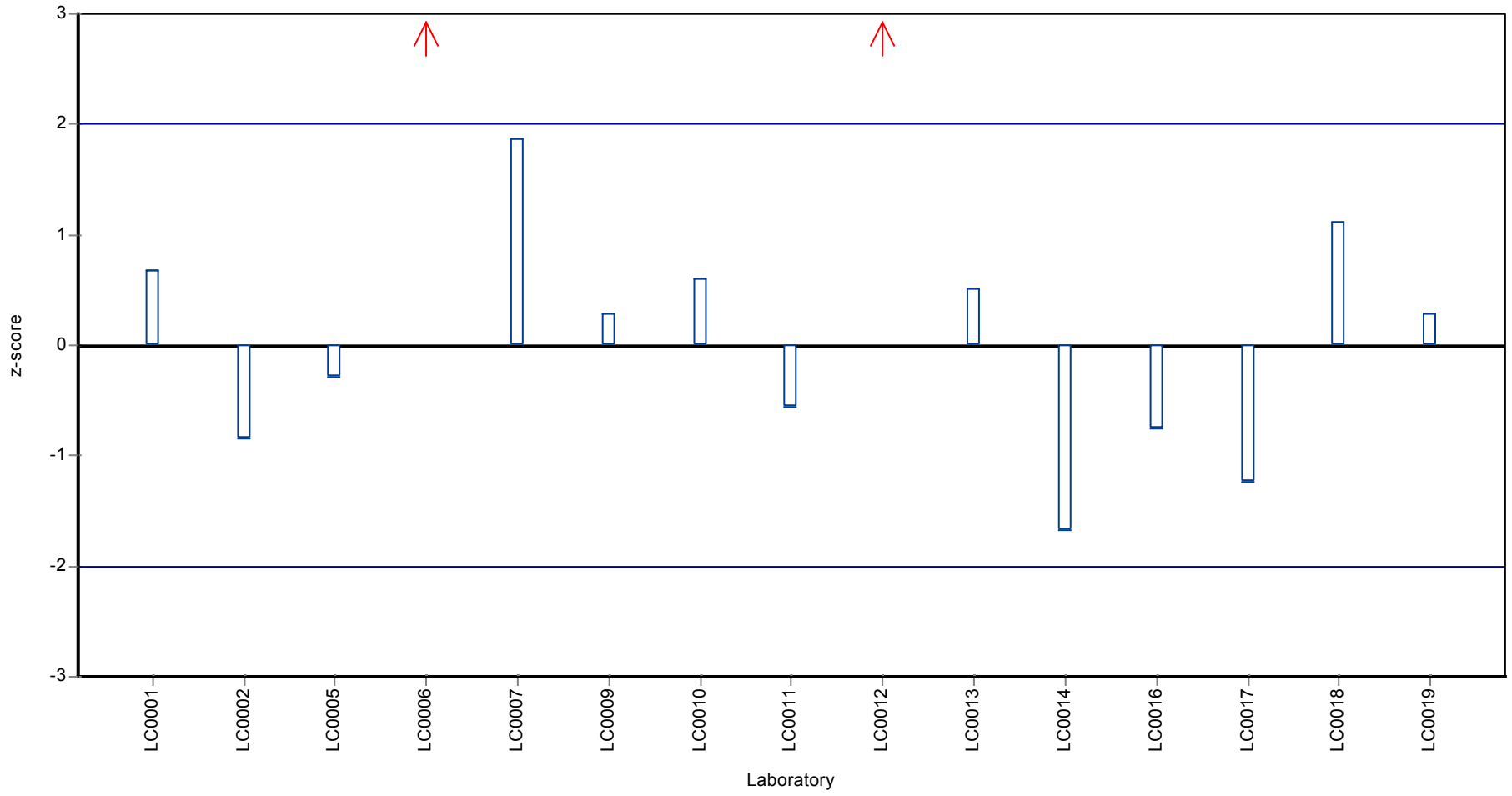
Results



Recovery rate



Z-score


3
2
1
0
-1
-2
-3
z-score
LC0001
LC0002
LC0005
LC0006
LC0007
LC0009
LC0010
LC0011
LC0012
LC0013
LC0014
LC0016
LC0017
LC0018
LC0019
Laboratory

Parameter oriented report

H100 A

Sebuthylazine

Unit	µg/l
Mean ± CI (99%)	-
Minimum - Maximum	-
Control test value ± U	<0.025 (NG)

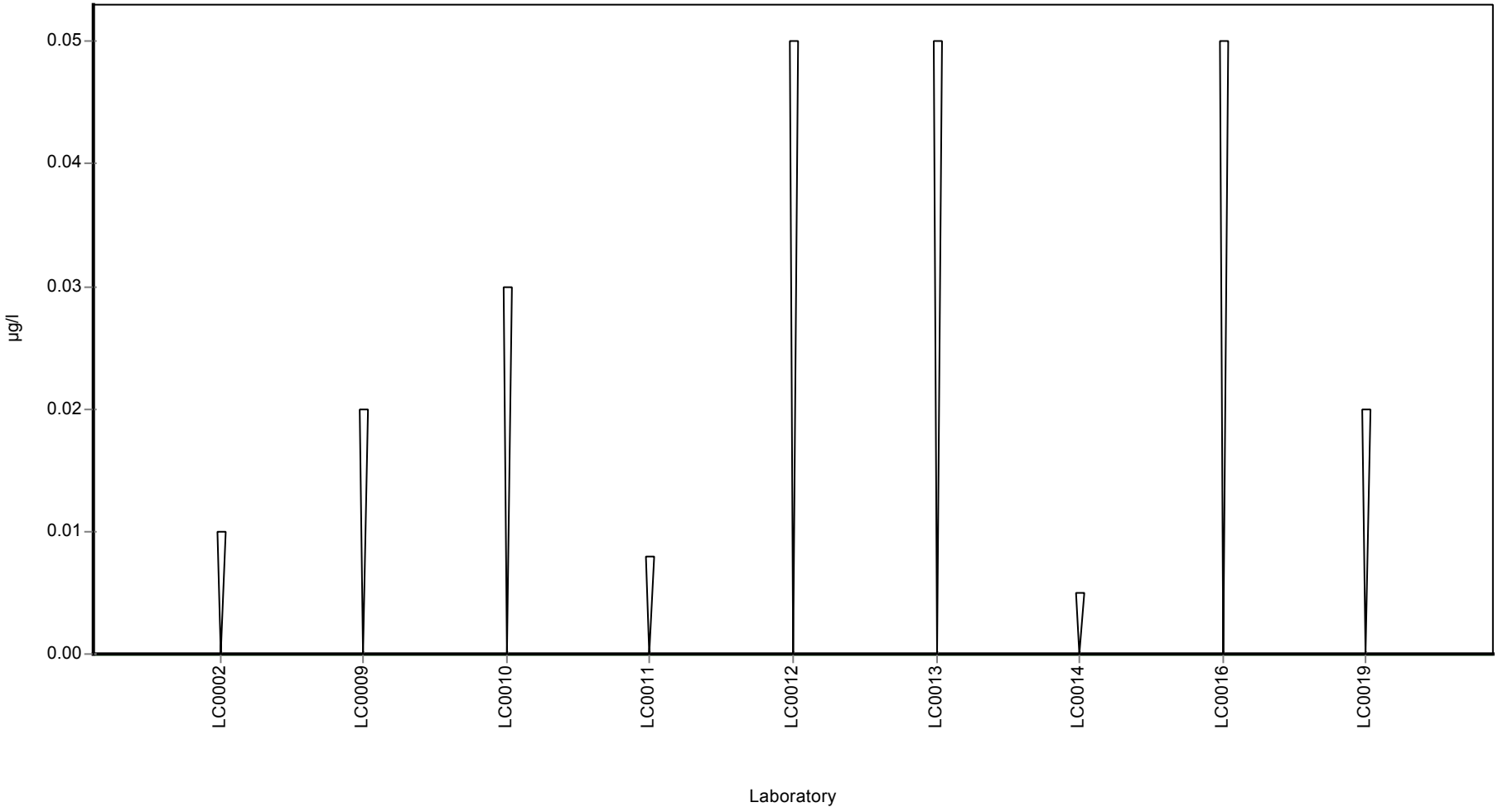
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	< 0.01 (LOQ)	-	-	-	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	-	-	-	-	
LC0006	-	-	-	-	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	< 0.02 (LOQ)	-	-	-	
LC0010	< 0.03 (LOQ)	-	-	-	
LC0011	<0.008 (LOD)	-	-	-	
LC0012	< 0.05 (LOQ)	-	-	-	
LC0013	< 0.05 (LOQ)	-	-	-	
LC0014	< 0.005 (LOQ)	-	-	-	
LC0015	-	-	-	-	
LC0016	< 0.05 (LOQ)	-	-	-	
LC0017	-	-	-	-	
LC0018	-	-	-	-	
LC0019	< 0.02 (LOQ)	-	-	-	

Characteristics of parameter

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

Graphical presentation of results

Results



Parameter oriented report

H100 B

Sebuthylazine

Unit	µg/l
Mean ± CI (99%)	0.434 ± 0.02
Minimum - Maximum	0.395 - 0.454
Control test value ± U	0.414 ± 0.0662

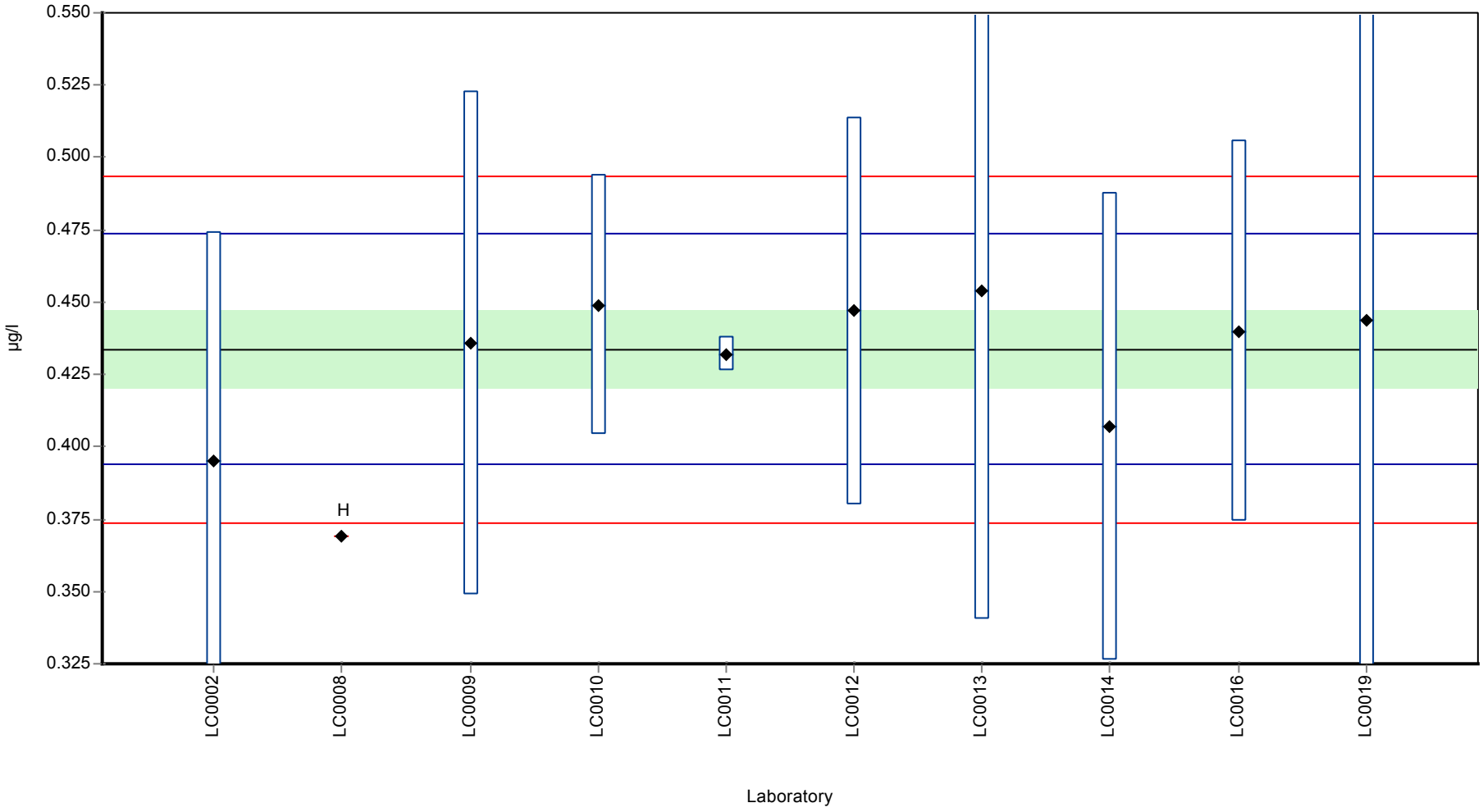
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	0.395	0.079	91.1	-1.94	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	-	-	-	-	
LC0006	-	-	-	-	
LC0007	-	-	-	-	
LC0008	0.369	-	85.1	-3.25	H
LC0009	0.436	0.087	101	0.11	
LC0010	0.449	0.045	104	0.76	
LC0011	0.432	0.006	99.6	-0.09	
LC0012	0.447	0.06705	103	0.66	
LC0013	0.454	0.114	105	1.01	
LC0014	0.407	0.081	93.8	-1.34	
LC0015	-	-	-	-	
LC0016	0.44	0.066	101	0.31	
LC0017	-	-	-	-	
LC0018	-	-	-	-	
LC0019	0.444	0.1332	102	0.51	

Characteristics of parameter

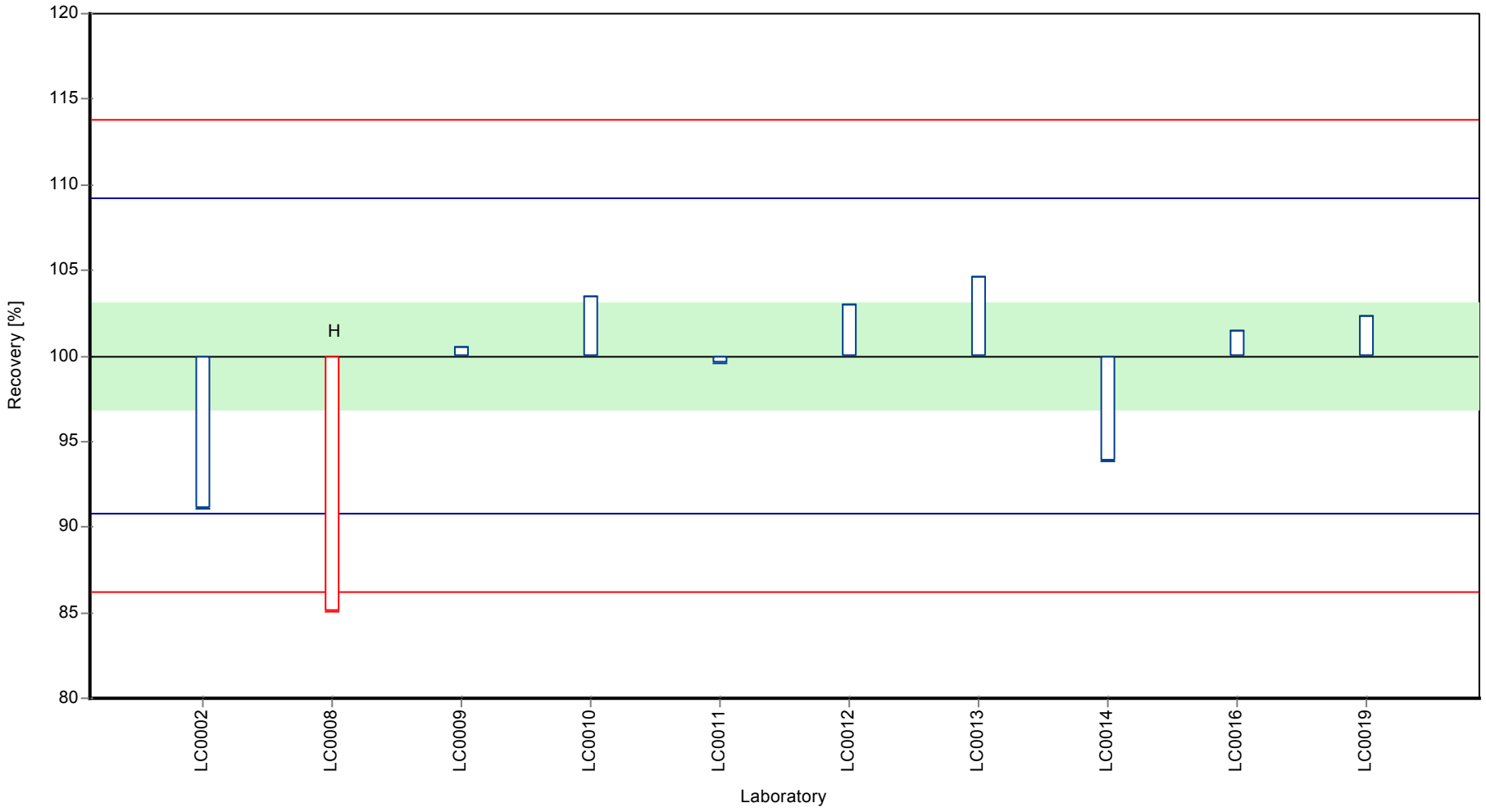
	all results	without outliers	Unit
Mean ± CI (99%)	0.427 ± 0.0264	0.434 ± 0.02	µg/l
Minimum	0.369	0.395	µg/l
Maximum	0.454	0.454	µg/l
Standard deviation	0.0278	0.02	µg/l
rel. Standard deviation	6.51	4.6	%
n	10	9	-

Graphical presentation of results

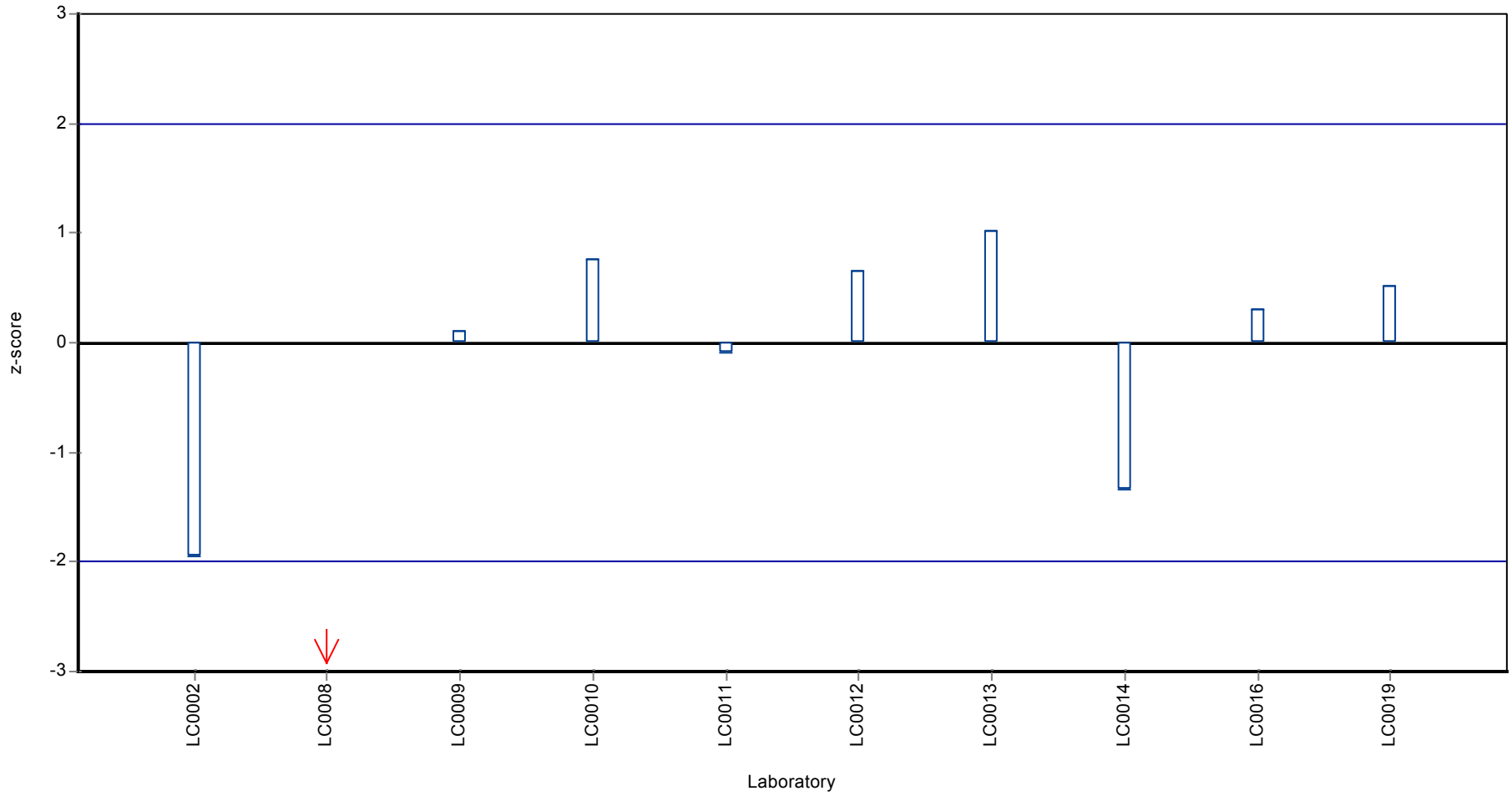
Results



Recovery rate



Z-score


3
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-1
-2
-3
z-score
LC0002
LC0008
LC0009
LC0010
LC0011
LC0012
LC0013
LC0014
LC0016
LC0019
Laboratory

Parameter oriented report

H100 A

Simazine

Unit	µg/l
Mean ± CI (99%)	0.138 ± 0.0119
Minimum - Maximum	0.105 - 0.169
Control test value ± U	0.128 ± 0.0205

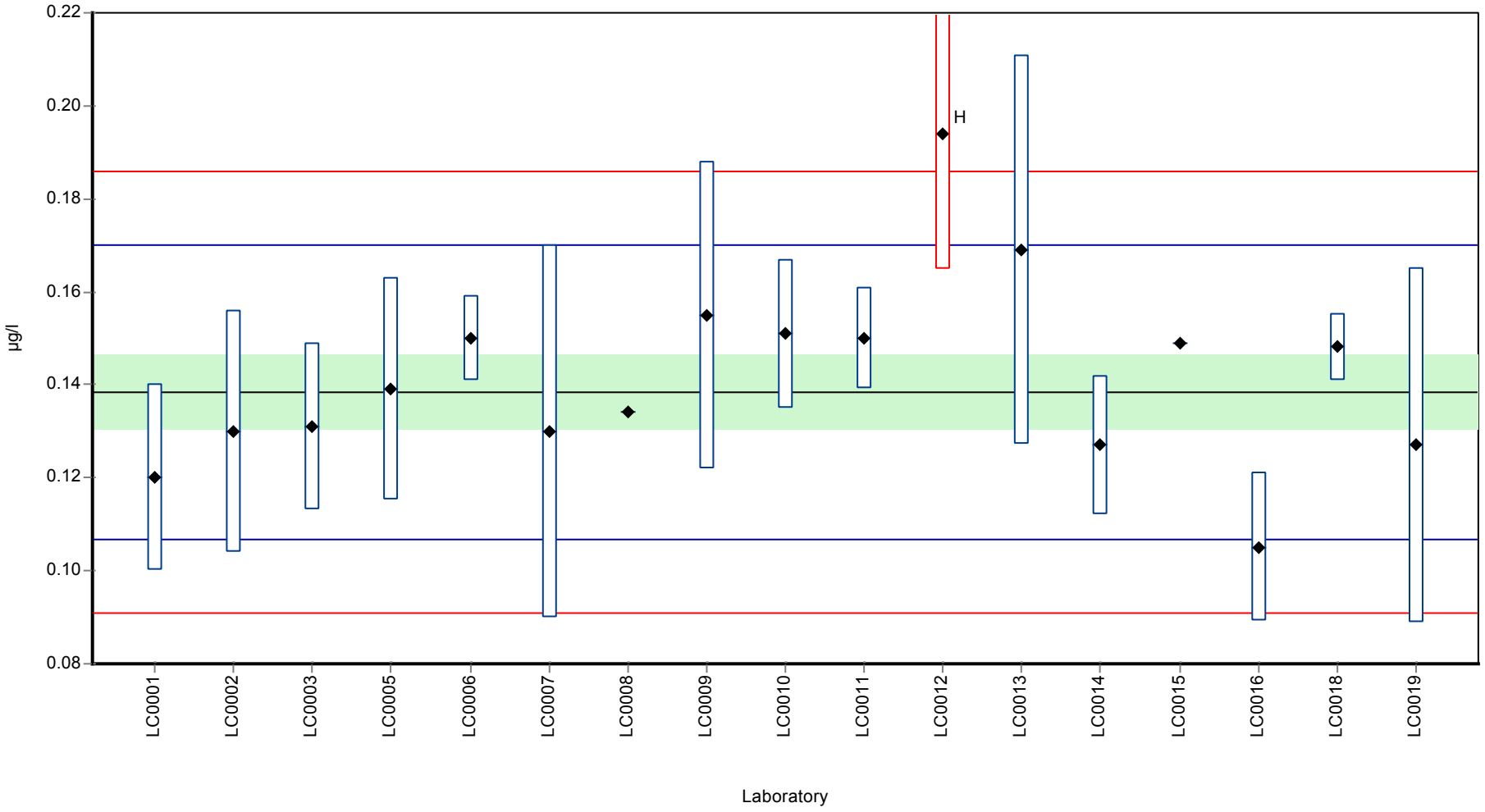
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.12	0.02	86.7	-1.16	
LC0002	0.13	0.026	93.9	-0.53	
LC0003	0.131	0.018	94.6	-0.47	
LC0004	-	-	-	-	
LC0005	0.139	0.024	100	0.04	
LC0006	0.15	0.009	108	0.73	
LC0007	0.13	0.04	93.9	-0.53	
LC0008	0.134	-	96.8	-0.28	
LC0009	0.155	0.033	112	1.04	
LC0010	0.151	0.016	109	0.79	
LC0011	0.15	0.011	108	0.73	
LC0012	0.194	0.0291	140	3.5	H
LC0013	0.169	0.042	122	1.93	
LC0014	0.127	0.015	91.7	-0.72	
LC0015	0.149	-	108	0.67	
LC0016	0.105	0.016	75.8	-2.11	
LC0017	-	-	-	-	
LC0018	0.1481	0.0072	107	0.61	
LC0019	0.127	0.0381	91.7	-0.72	

Characteristics of parameter

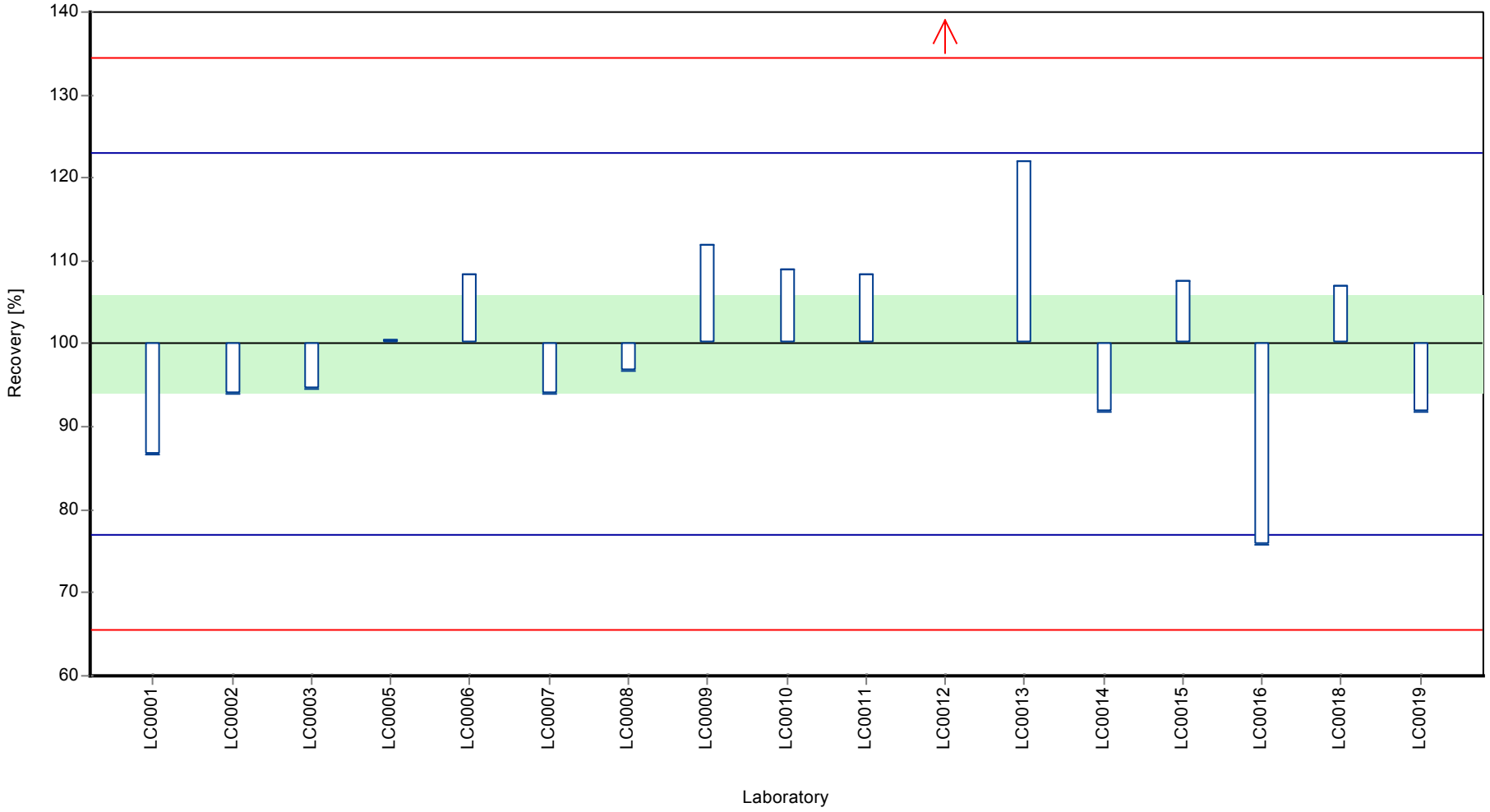
	all results	without outliers	Unit
Mean ± CI (99%)	0.142 ± 0.0149	0.138 ± 0.0119	µg/l
Minimum	0.105	0.105	µg/l
Maximum	0.194	0.169	µg/l
Standard deviation	0.0204	0.0159	µg/l
rel. Standard deviation	14.4	11.5	%
n	17	16	-

Graphical presentation of results

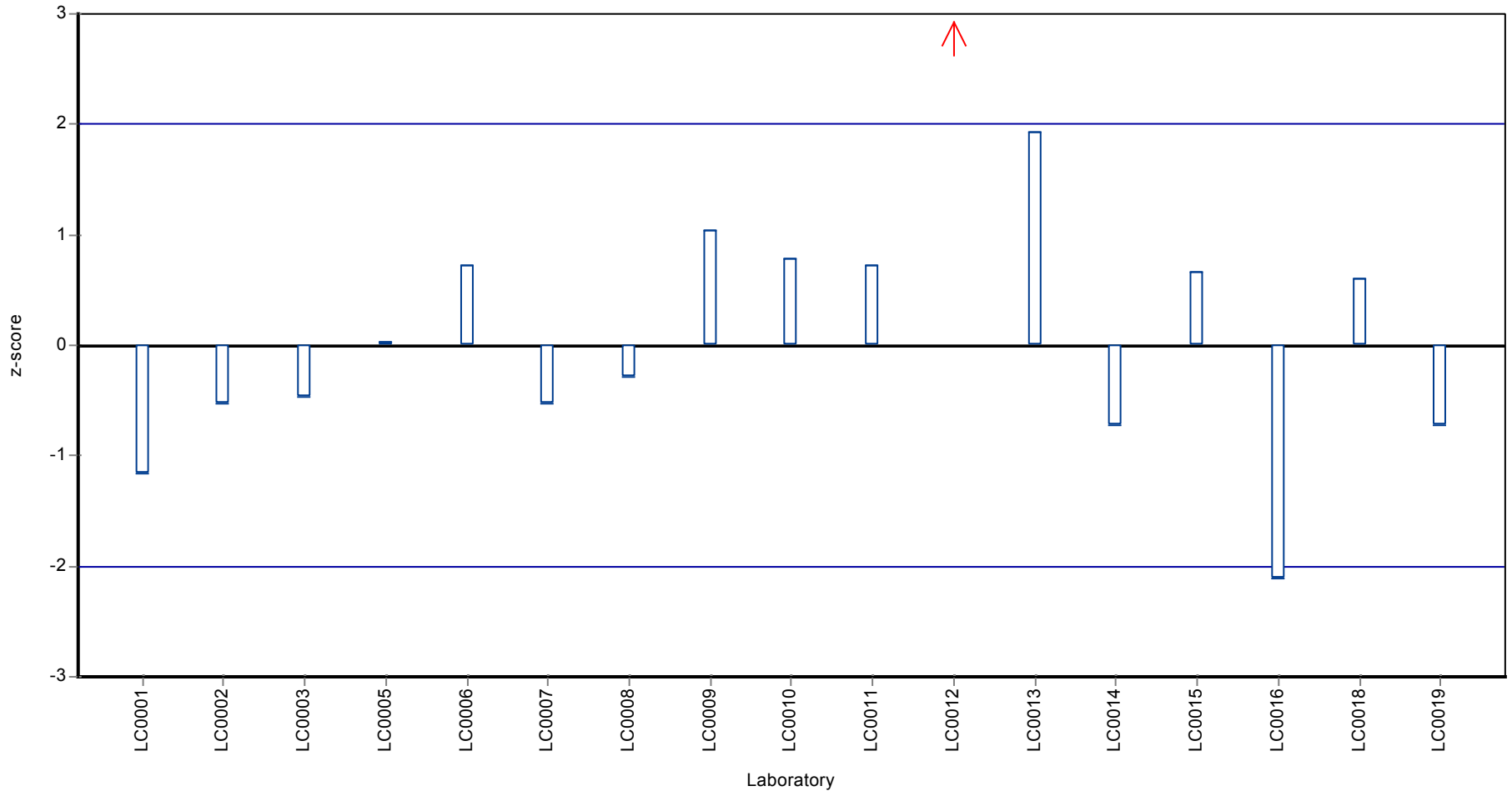
Results



Recovery rate



Z-score


3
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-2
-3
z-score
LC0001
LC0002
LC0003
LC0005
LC0006
LC0007
LC0008
LC0009
LC0010
LC0011
LC0012
LC0013
LC0014
LC0015
LC0016
LC0018
LC0019
Laboratory

Parameter oriented report

H100 B

Simazine

Unit	µg/l
Mean ± CI (99%)	0.215 ± 0.0167
Minimum - Maximum	0.179 - 0.26
Control test value ± U	0.207 ± 0.0332

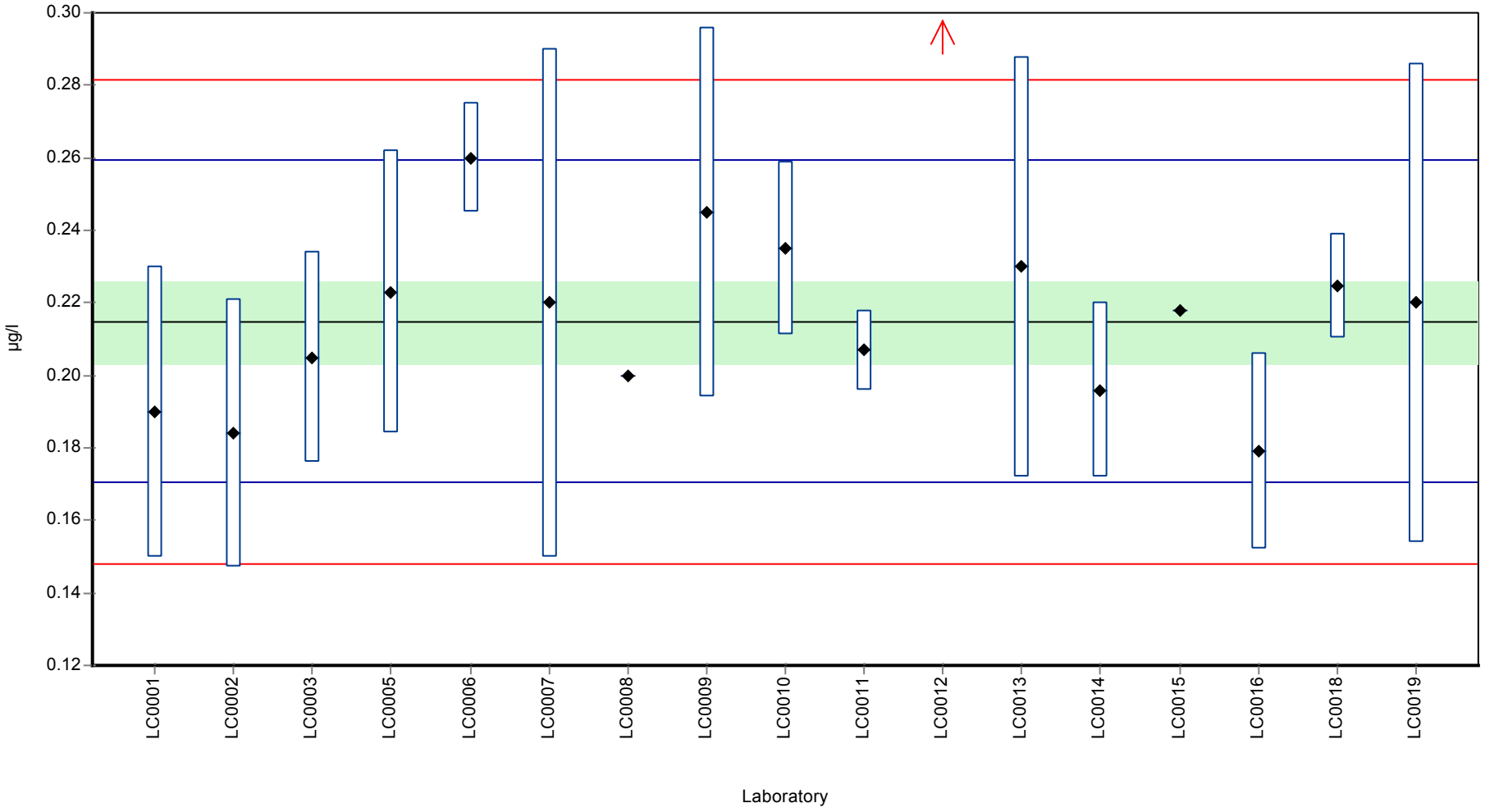
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.19	0.04	88.5	-1.12	
LC0002	0.184	0.037	85.7	-1.39	
LC0003	0.205	0.029	95.4	-0.44	
LC0004	-	-	-	-	
LC0005	0.223	0.039	104	0.37	
LC0006	0.26	0.015	121	2.04	
LC0007	0.22	0.07	102	0.23	
LC0008	0.2	-	93.1	-0.67	
LC0009	0.245	0.051	114	1.36	
LC0010	0.235	0.024	109	0.91	
LC0011	0.207	0.011	96.4	-0.35	
LC0012	0.318	0.0477	148	4.65	H
LC0013	0.23	0.058	107	0.69	
LC0014	0.196	0.024	91.3	-0.85	
LC0015	0.218	-	101	0.14	
LC0016	0.179	0.027	83.3	-1.61	
LC0017	-	-	-	-	
LC0018	0.2246	0.0144	105	0.44	
LC0019	0.22	0.066	102	0.23	

Characteristics of parameter

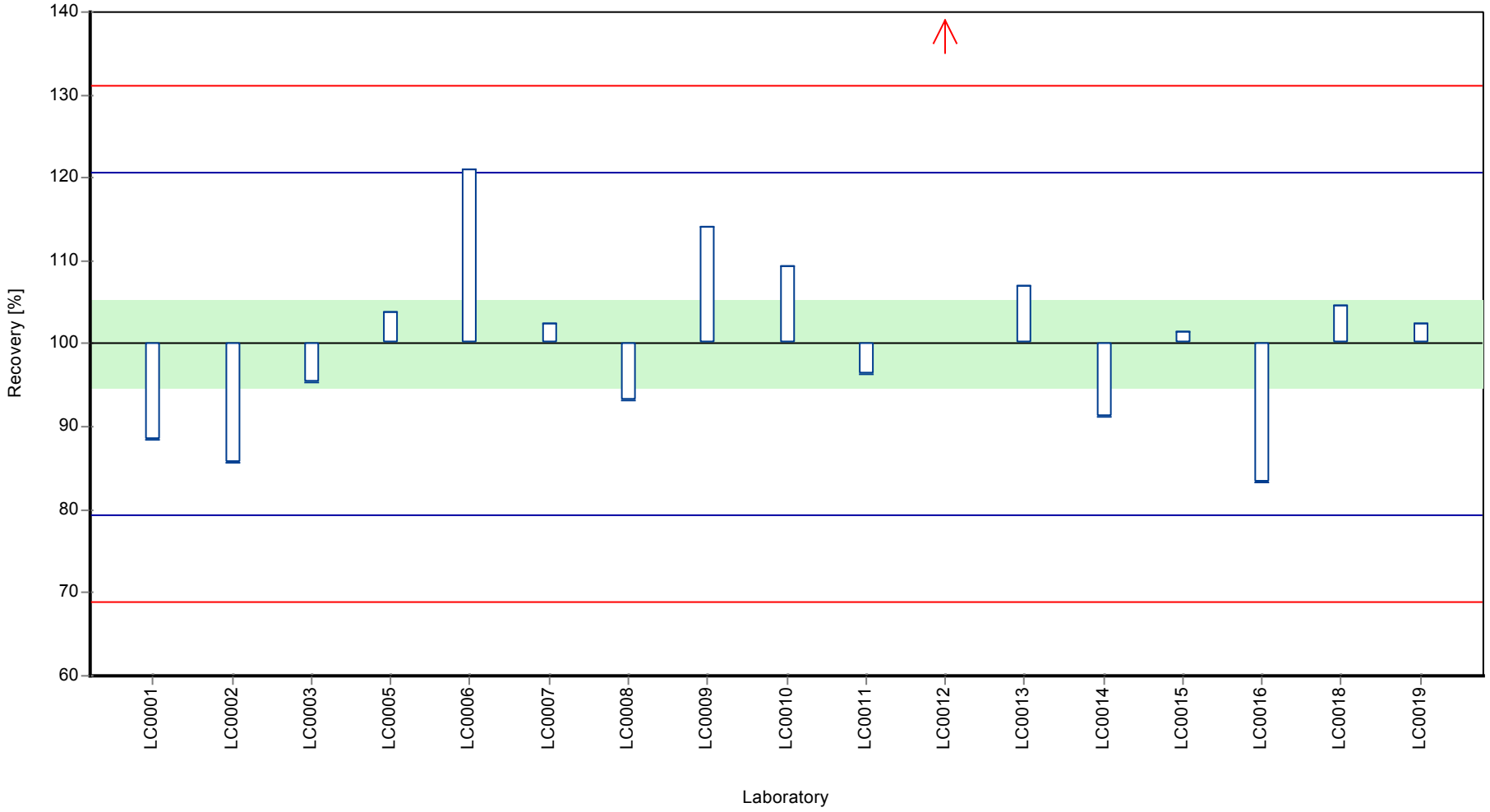
	all results	without outliers	Unit
Mean ± CI (99%)	0.221 ± 0.024	0.215 ± 0.0167	µg/l
Minimum	0.179	0.179	µg/l
Maximum	0.318	0.26	µg/l
Standard deviation	0.033	0.0222	µg/l
rel. Standard deviation	14.9	10.3	%
n	17	16	-

Graphical presentation of results

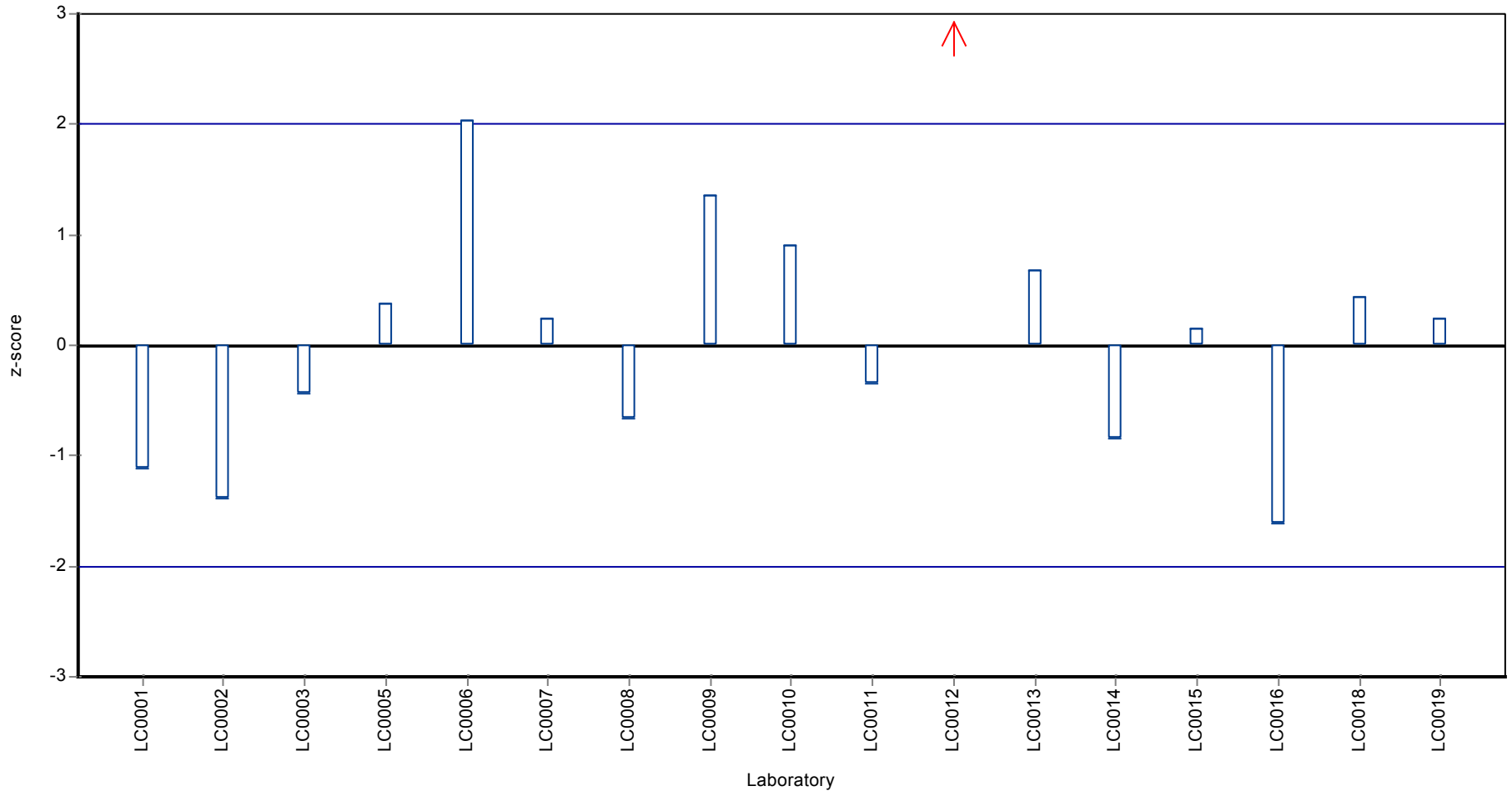
Results



Recovery rate



Z-score


3
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-1
-2
-3
z-score
LC0001
LC0002
LC0003
LC0005
LC0006
LC0007
LC0008
LC0009
LC0010
LC0011
LC0012
LC0013
LC0014
LC0015
LC0016
LC0018
LC0019
Laboratory

Parameter oriented report

H100 A

Terbuthylazine

Unit	µg/l
Mean ± CI (99%)	0.161 ± 0.0131
Minimum - Maximum	0.123 - 0.194
Control test value ± U	0.136 ± 0.0218

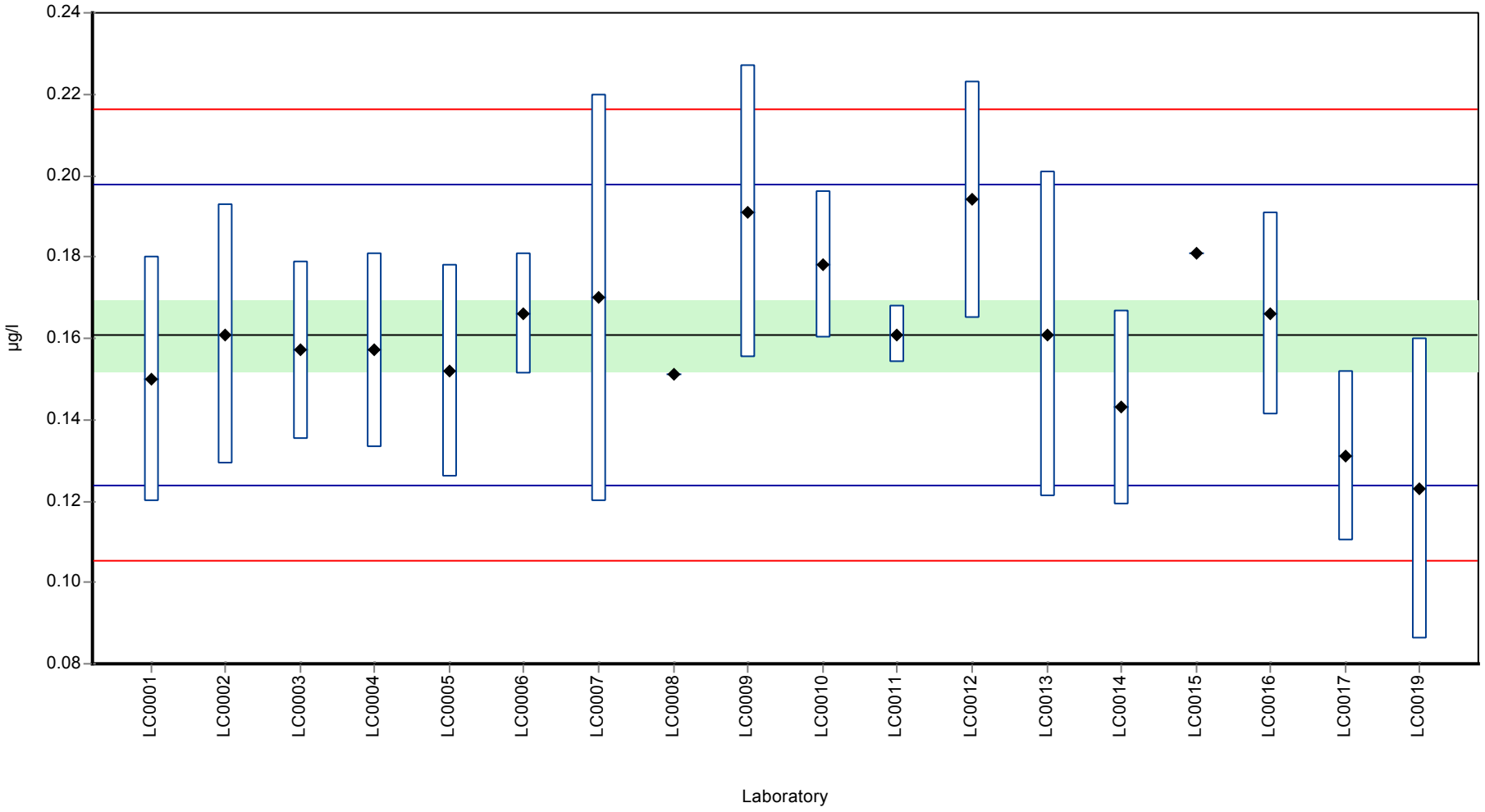
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.15	0.03	93.3	-0.58	
LC0002	0.161	0.032	100	0.01	
LC0003	0.157	0.022	97.7	-0.2	
LC0004	0.157	0.024	97.7	-0.2	
LC0005	0.152	0.026	94.6	-0.47	
LC0006	0.166	0.015	103	0.29	
LC0007	0.17	0.05	106	0.5	
LC0008	0.151	-	94	-0.53	
LC0009	0.191	0.036	119	1.64	
LC0010	0.178	0.018	111	0.94	
LC0011	0.161	0.007	100	0.01	
LC0012	0.194	0.0291	121	1.8	
LC0013	0.161	0.04	100	0.01	
LC0014	0.143	0.024	89	-0.96	
LC0015	0.181	-	113	1.1	
LC0016	0.166	0.025	103	0.29	
LC0017	0.131	0.021	81.5	-1.61	
LC0018	-	-	-	-	
LC0019	0.123	0.0369	76.5	-2.04	

Characteristics of parameter

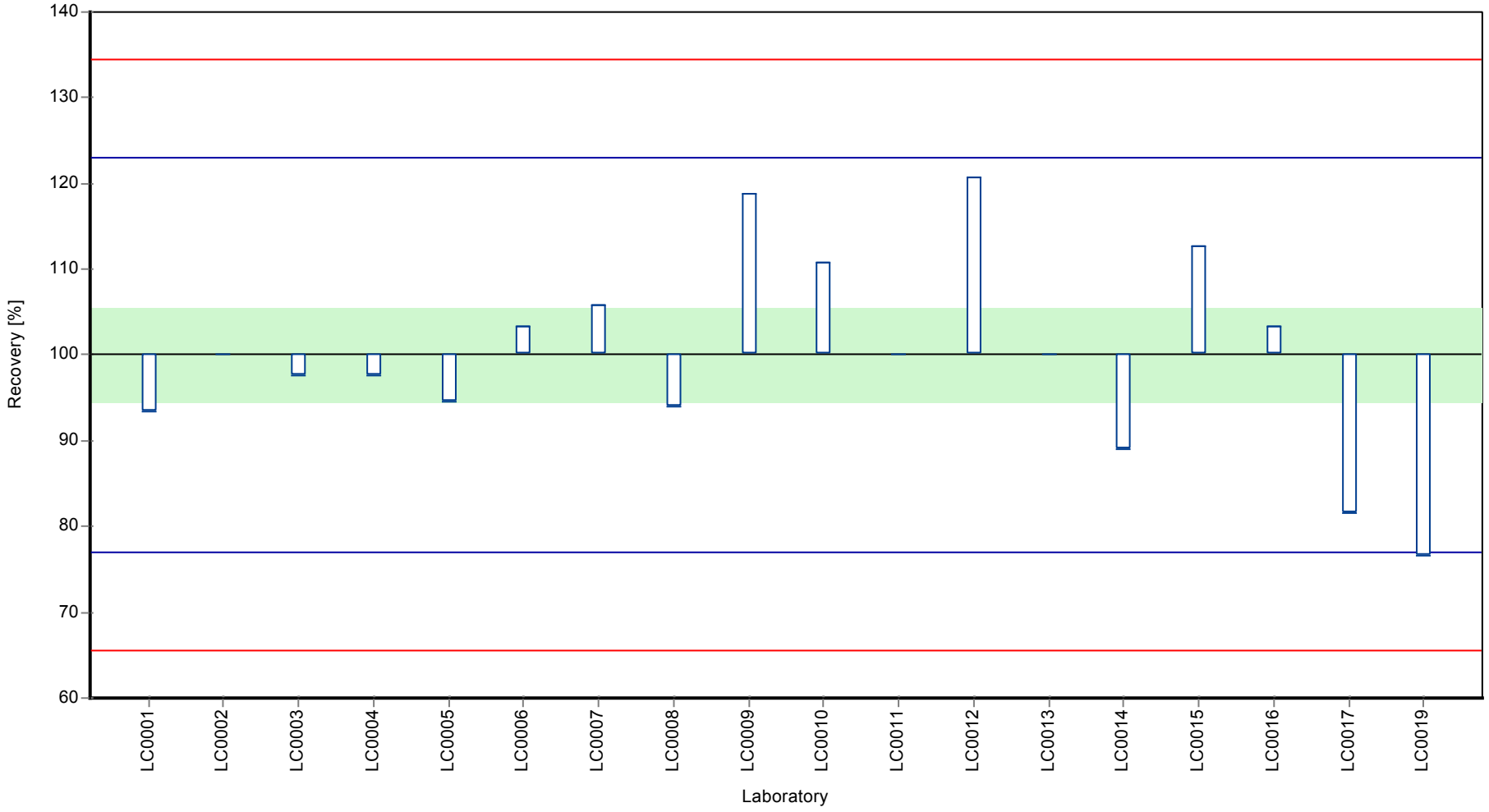
	all results	without outliers	Unit
Mean ± CI (99%)	0.161 ± 0.0131	0.161 ± 0.0131	µg/l
Minimum	0.123	0.123	µg/l
Maximum	0.194	0.194	µg/l
Standard deviation	0.0185	0.0185	µg/l
rel. Standard deviation	11.5	11.5	%
n	18	18	-

Graphical presentation of results

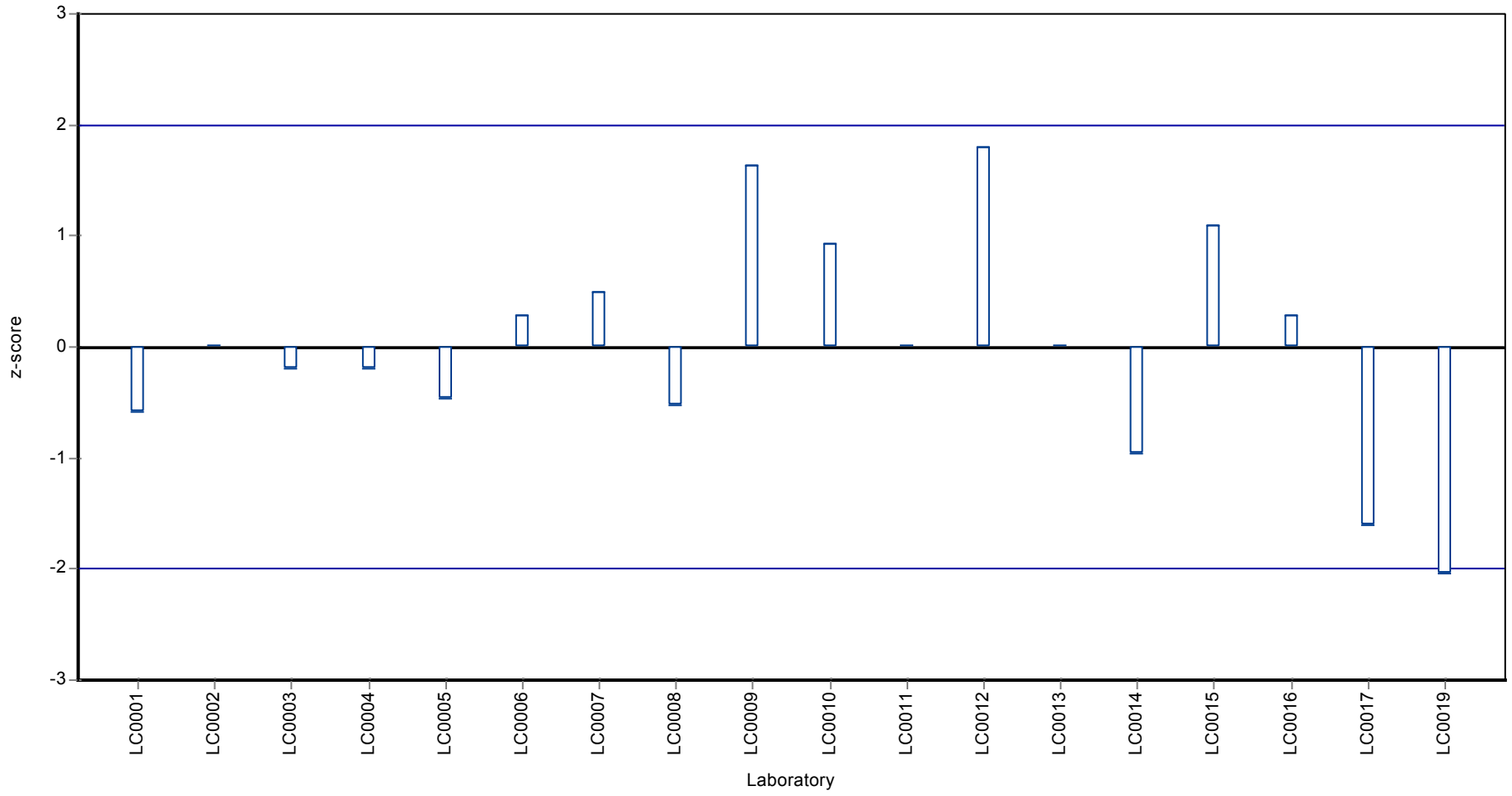
Results



Recovery rate



Z-score


3
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-1
-2
-3
z-score
LC0001
LC0002
LC0003
LC0004
LC0005
LC0006
LC0007
LC0008
LC0009
LC0010
LC0011
LC0012
LC0013
LC0014
LC0015
LC0016
LC0017
LC0019
Laboratory

Parameter oriented report

H100 B

Terbuthylazine

Unit	µg/l
Mean ± CI (99%)	0.782 ± 0.0652
Minimum - Maximum	0.666 - 1.05
Control test value ± U	0.715 ± 0.114

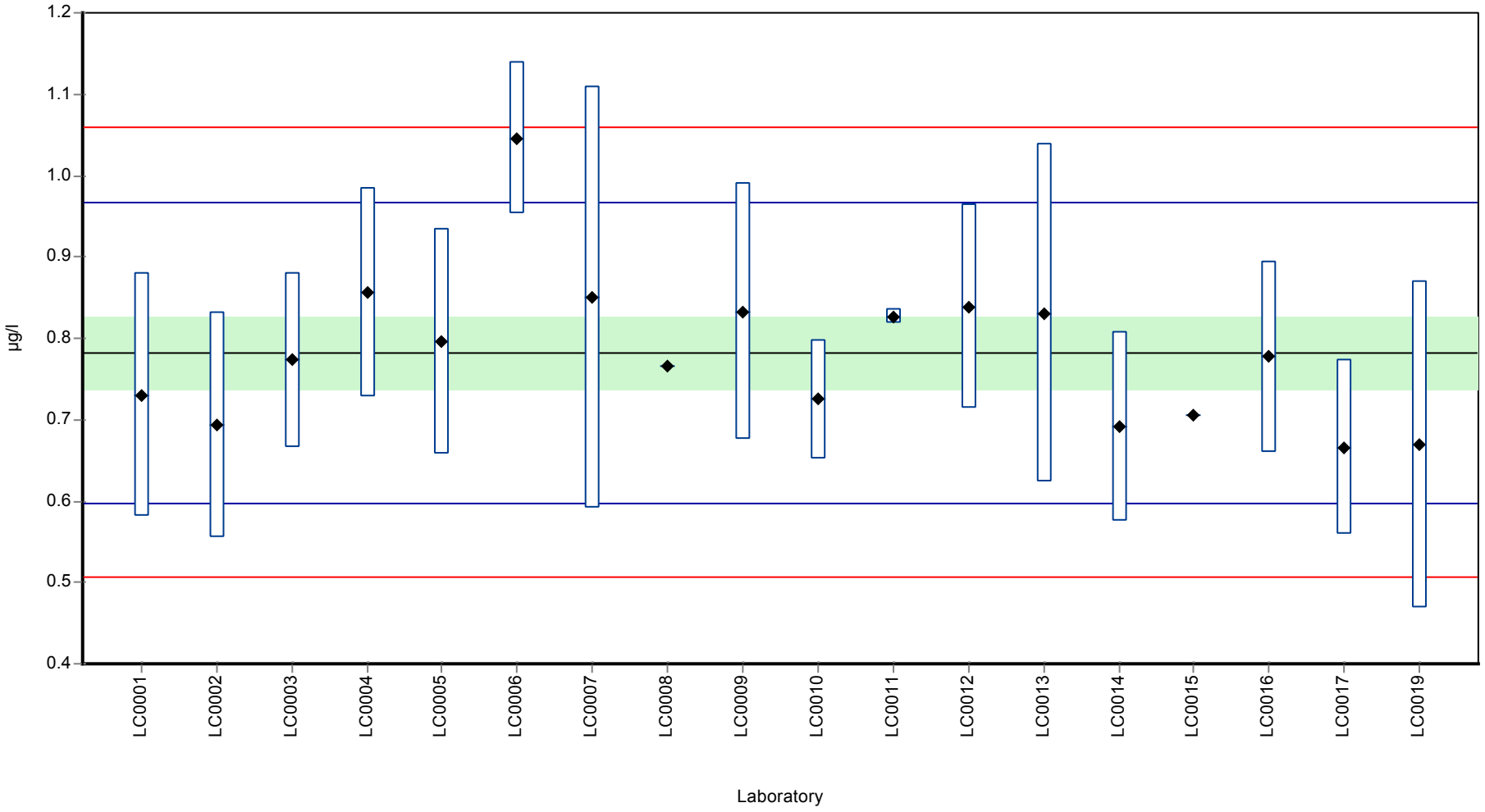
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.73	0.15	93.4	-0.56	
LC0002	0.694	0.139	88.7	-0.95	
LC0003	0.773	0.108	98.8	-0.1	
LC0004	0.856	0.128	109	0.8	
LC0005	0.796	0.139	102	0.15	
LC0006	1.046	0.094	134	2.86	
LC0007	0.85	0.26	109	0.74	
LC0008	0.766	-	98	-0.17	
LC0009	0.833	0.158	107	0.55	
LC0010	0.725	0.073	92.7	-0.62	
LC0011	0.827	0.009	106	0.49	
LC0012	0.839	0.12585	107	0.62	
LC0013	0.831	0.208	106	0.53	
LC0014	0.691	0.117	88.4	-0.99	
LC0015	0.706	-	90.3	-0.82	
LC0016	0.777	0.117	99.4	-0.05	
LC0017	0.666	0.107	85.2	-1.26	
LC0018	-	-	-	-	
LC0019	0.67	0.201	85.7	-1.22	

Characteristics of parameter

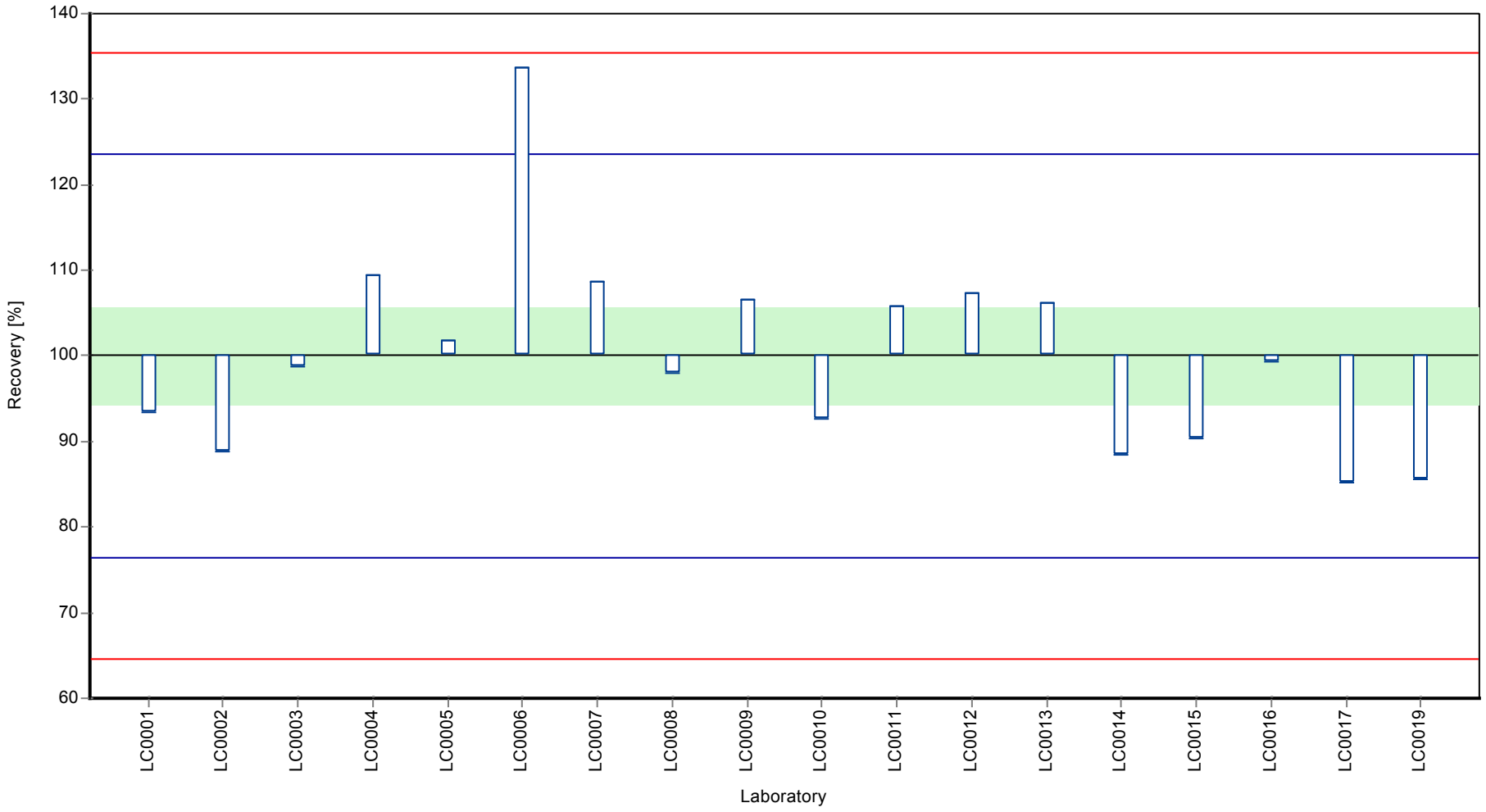
	all results	without outliers	Unit
Mean ± CI (99%)	0.782 ± 0.0652	0.782 ± 0.0652	µg/l
Minimum	0.666	0.666	µg/l
Maximum	1.05	1.05	µg/l
Standard deviation	0.0922	0.0922	µg/l
rel. Standard deviation	11.8	11.8	%
n	18	18	-

Graphical presentation of results

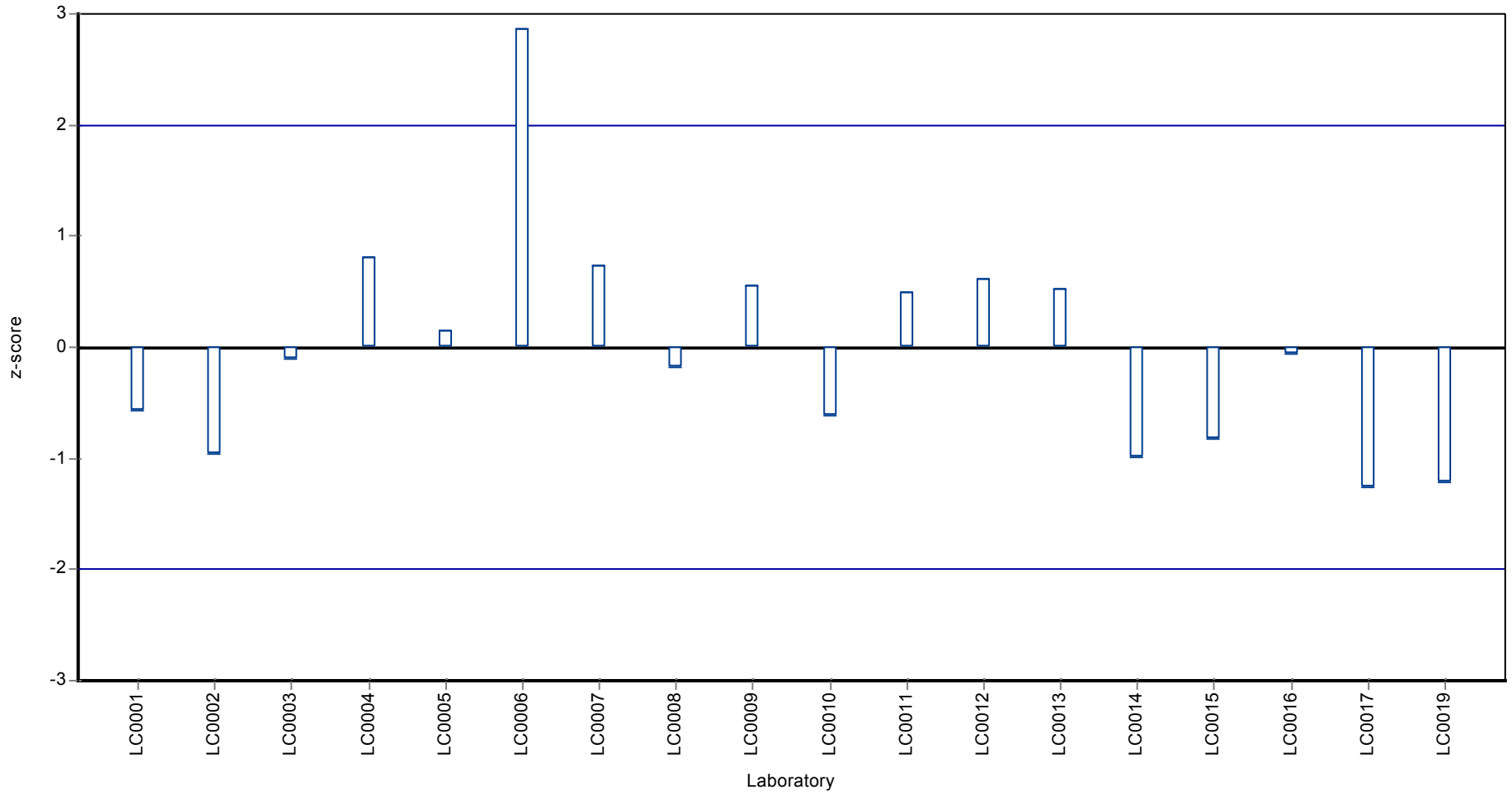
Results



Recovery rate



Z-score


3
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-1
-2
-3
z-score
LC0001
LC0002
LC0003
LC0004
LC0005
LC0006
LC0007
LC0008
LC0009
LC0010
LC0011
LC0012
LC0013
LC0014
LC0015
LC0016
LC0017
LC0019
Laboratory

Parameter oriented report

H100 A

Terbuthylazin-desethyl

Unit	µg/l
Mean ± CI (99%)	0.848 ± 0.0899
Minimum - Maximum	0.66 - 1.02
Control test value ± U	0.825 ± 0.132

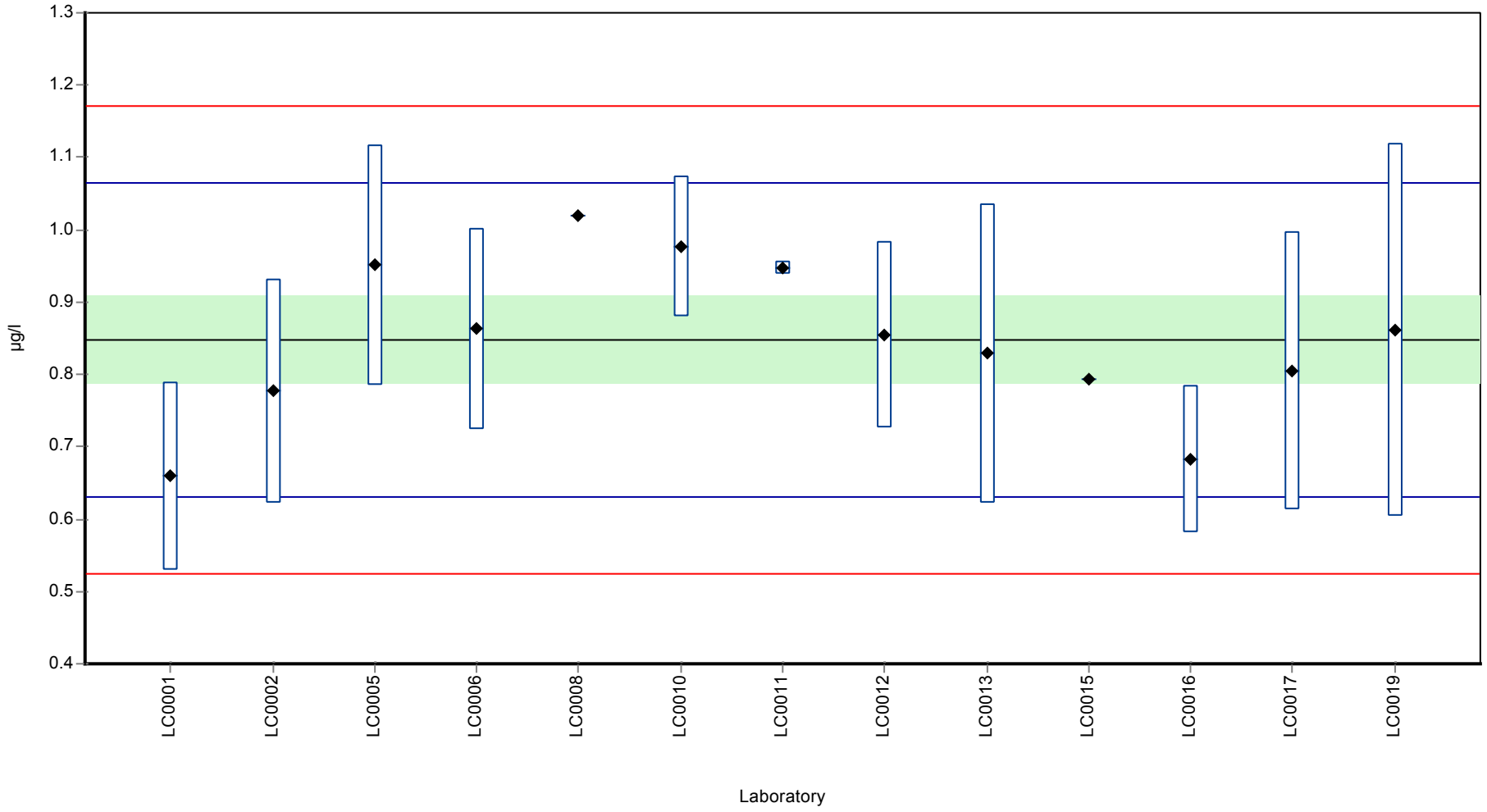
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.66	0.13	77.9	-1.74	
LC0002	0.777	0.155	91.7	-0.66	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	0.951	0.166	112	0.96	
LC0006	0.863	0.139	102	0.14	
LC0007	-	-	-	-	
LC0008	1.019	-	120	1.59	
LC0009	-	-	-	-	
LC0010	0.977	0.098	115	1.2	
LC0011	0.948	0.009	112	0.93	
LC0012	0.855	0.12825	101	0.07	
LC0013	0.829	0.207	97.8	-0.17	
LC0014	-	-	-	-	
LC0015	0.794	-	93.7	-0.5	
LC0016	0.682	0.102	80.4	-1.53	
LC0017	0.805	0.193	95	-0.4	
LC0018	-	-	-	-	
LC0019	0.861	0.2583	102	0.12	

Characteristics of parameter

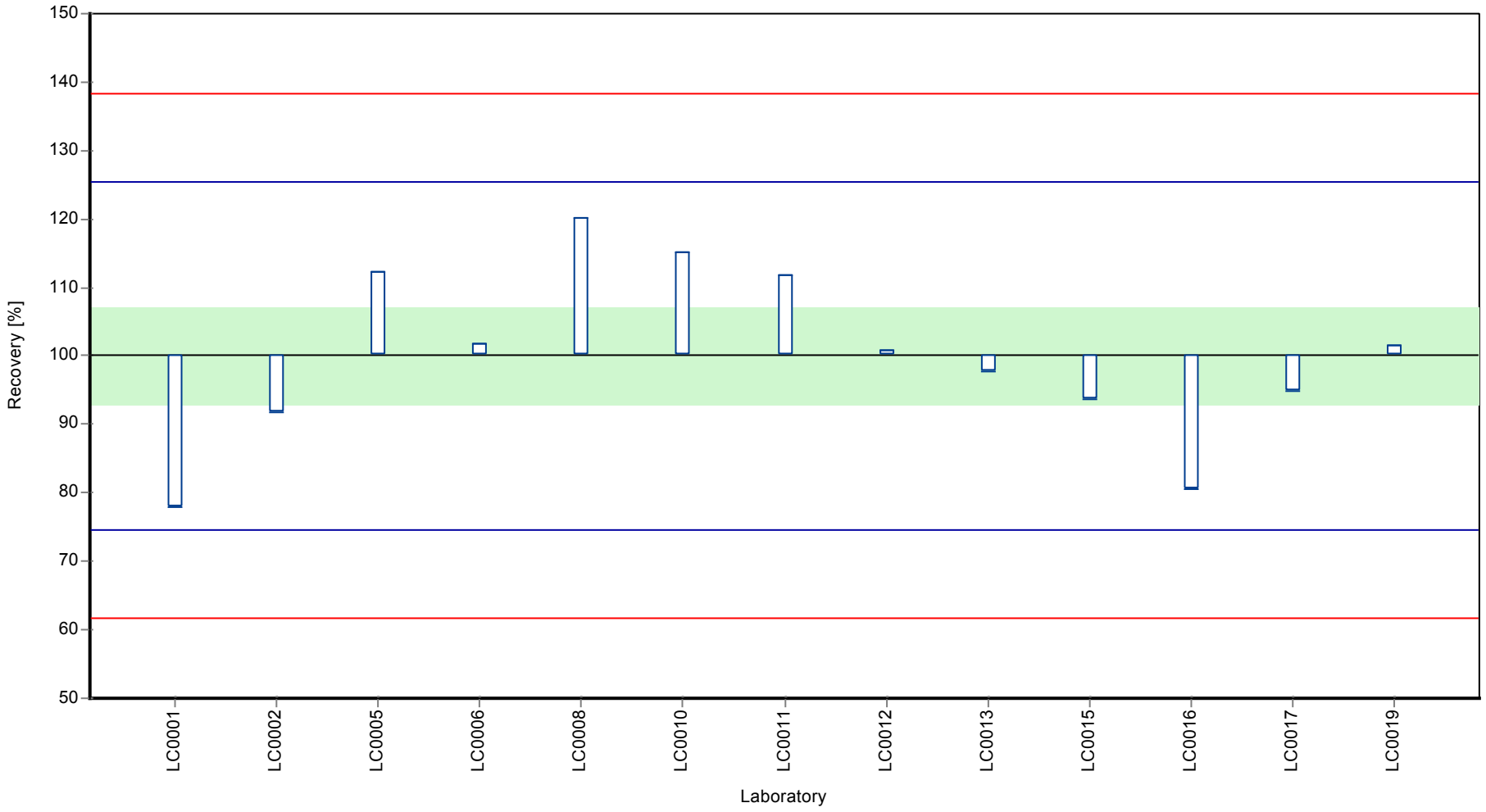
	all results	without outliers	Unit
Mean ± CI (99%)	0.848 ± 0.0899	0.848 ± 0.0899	µg/l
Minimum	0.66	0.66	µg/l
Maximum	1.02	1.02	µg/l
Standard deviation	0.108	0.108	µg/l
rel. Standard deviation	12.7	12.7	%
n	13	13	-

Graphical presentation of results

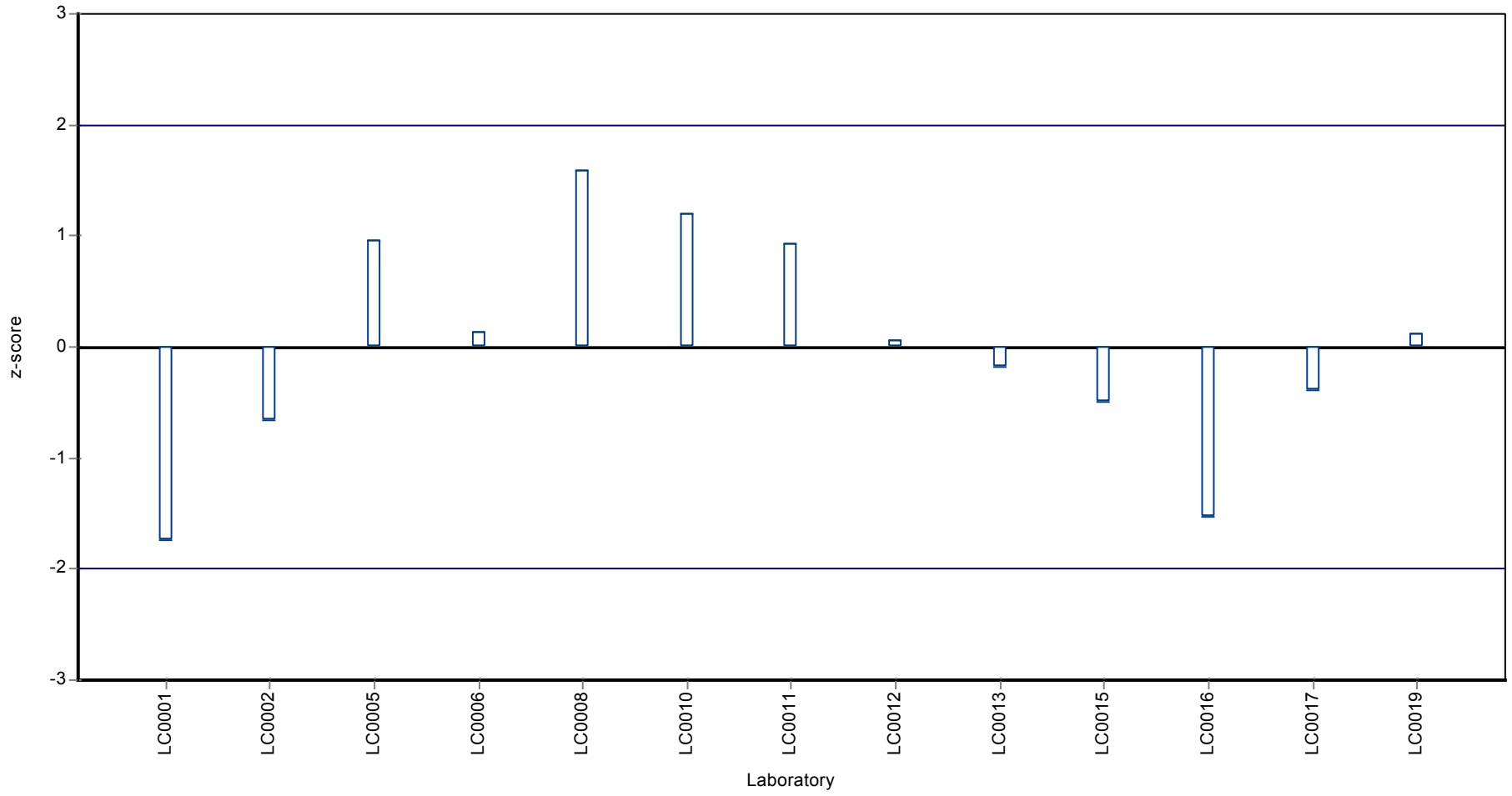
Results



Recovery rate



Z-score


3
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z-score
LC0001
LC0002
LC0005
LC0006
LC0008
LC0010
LC0011
LC0012
LC0013
LC0015
LC0016
LC0017
LC0019
Laboratory

Parameter oriented report

H100 B

Terbuthylazin-desethyl

Unit	µg/l
Mean ± CI (99%)	0.43 ± 0.0495
Minimum - Maximum	0.347 - 0.518
Control test value ± U	0.412 ± 0.066

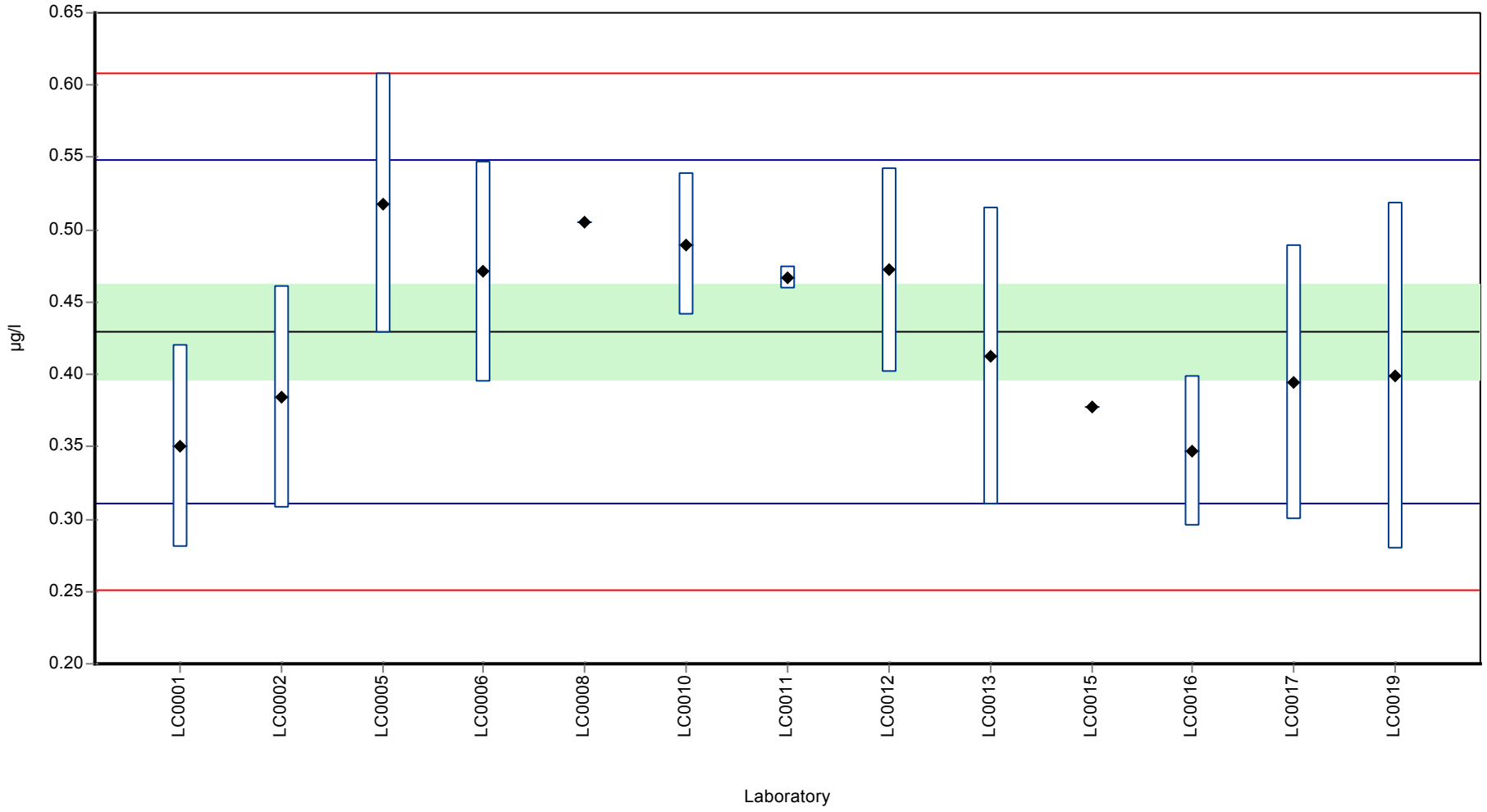
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.35	0.07	81.4	-1.34	
LC0002	0.384	0.077	89.3	-0.77	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	0.518	0.09	121	1.48	
LC0006	0.471	0.076	110	0.69	
LC0007	-	-	-	-	
LC0008	0.505	-	117	1.26	
LC0009	-	-	-	-	
LC0010	0.49	0.049	114	1.01	
LC0011	0.467	0.008	109	0.63	
LC0012	0.472	0.0708	110	0.71	
LC0013	0.413	0.103	96.1	-0.28	
LC0014	-	-	-	-	
LC0015	0.378	-	87.9	-0.87	
LC0016	0.347	0.052	80.7	-1.39	
LC0017	0.394	0.095	91.7	-0.6	
LC0018	-	-	-	-	
LC0019	0.399	0.1197	92.8	-0.52	

Characteristics of parameter

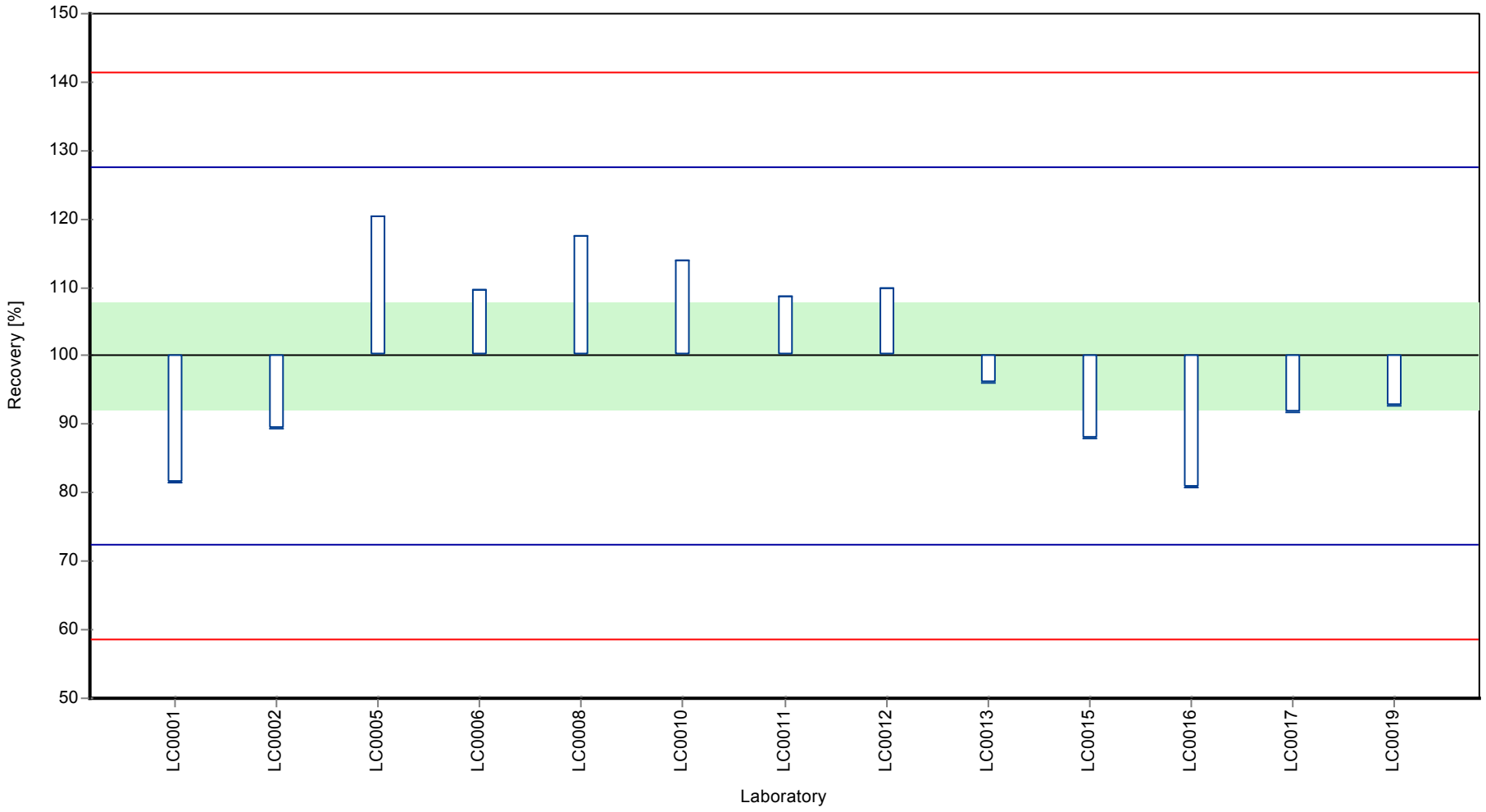
	all results	without outliers	Unit
Mean ± CI (99%)	0.43 ± 0.0495	0.43 ± 0.0495	µg/l
Minimum	0.347	0.347	µg/l
Maximum	0.518	0.518	µg/l
Standard deviation	0.0595	0.0595	µg/l
rel. Standard deviation	13.8	13.8	%
n	13	13	-

Graphical presentation of results

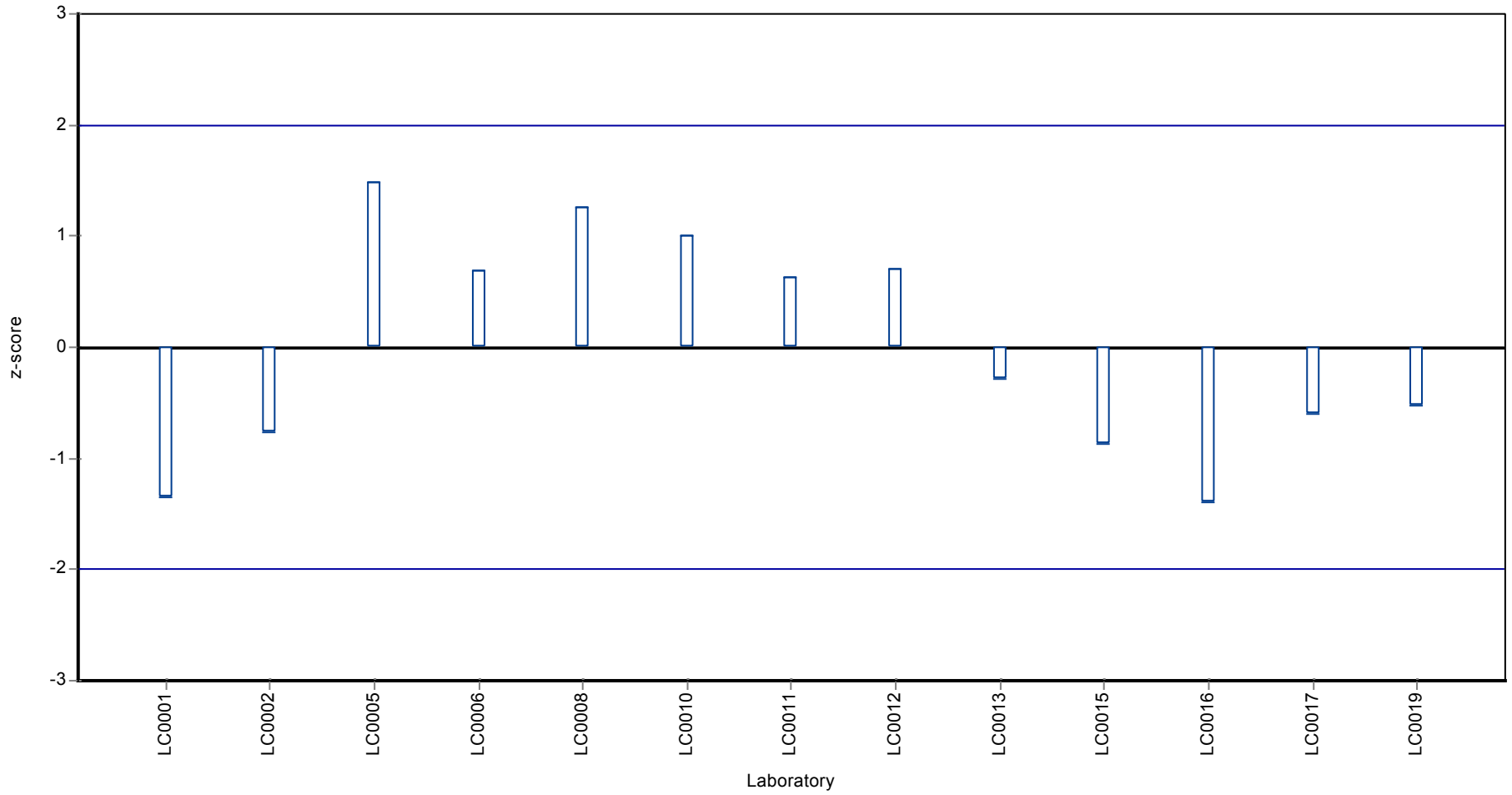
Results



Recovery rate



Z-score


3
2
1
0
-1
-2
-3
z-score
LC0001
LC0002
LC0005
LC0006
LC0008
LC0010
LC0011
LC0012
LC0013
LC0015
LC0016
LC0017
LC0019
Laboratory

Parameter oriented report

H100 A

Terbutryn

Unit	µg/l
Mean ± CI (99%)	0.77 ± 0.0585
Minimum - Maximum	0.652 - 0.916
Control test value ± U	0.706 ± 0.113

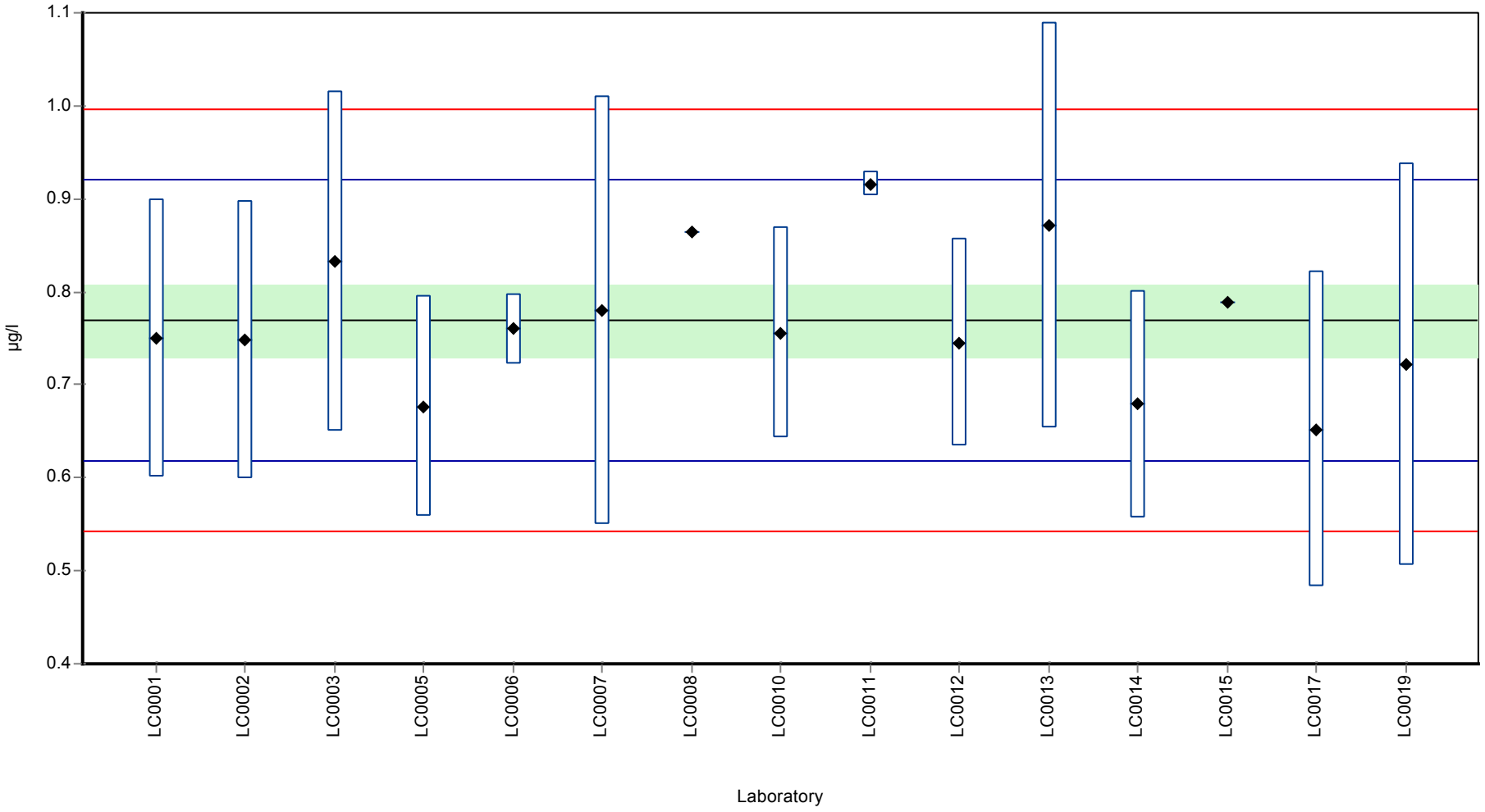
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.75	0.15	97.5	-0.26	
LC0002	0.748	0.15	97.2	-0.28	
LC0003	0.833	0.183	108	0.84	
LC0004	-	-	-	-	
LC0005	0.677	0.118	88	-1.22	
LC0006	0.76	0.038	98.8	-0.13	
LC0007	0.78	0.23	101	0.14	
LC0008	0.864	-	112	1.25	
LC0009	-	-	-	-	
LC0010	0.756	0.113	98.2	-0.18	
LC0011	0.916	0.013	119	1.94	
LC0012	0.745	0.11175	96.8	-0.33	
LC0013	0.872	0.218	113	1.36	
LC0014	0.679	0.122	88.2	-1.2	
LC0015	0.789	-	103	0.26	
LC0016	-	-	-	-	
LC0017	0.652	0.17	84.7	-1.56	
LC0018	-	-	-	-	
LC0019	0.722	0.2166	93.8	-0.63	

Characteristics of parameter

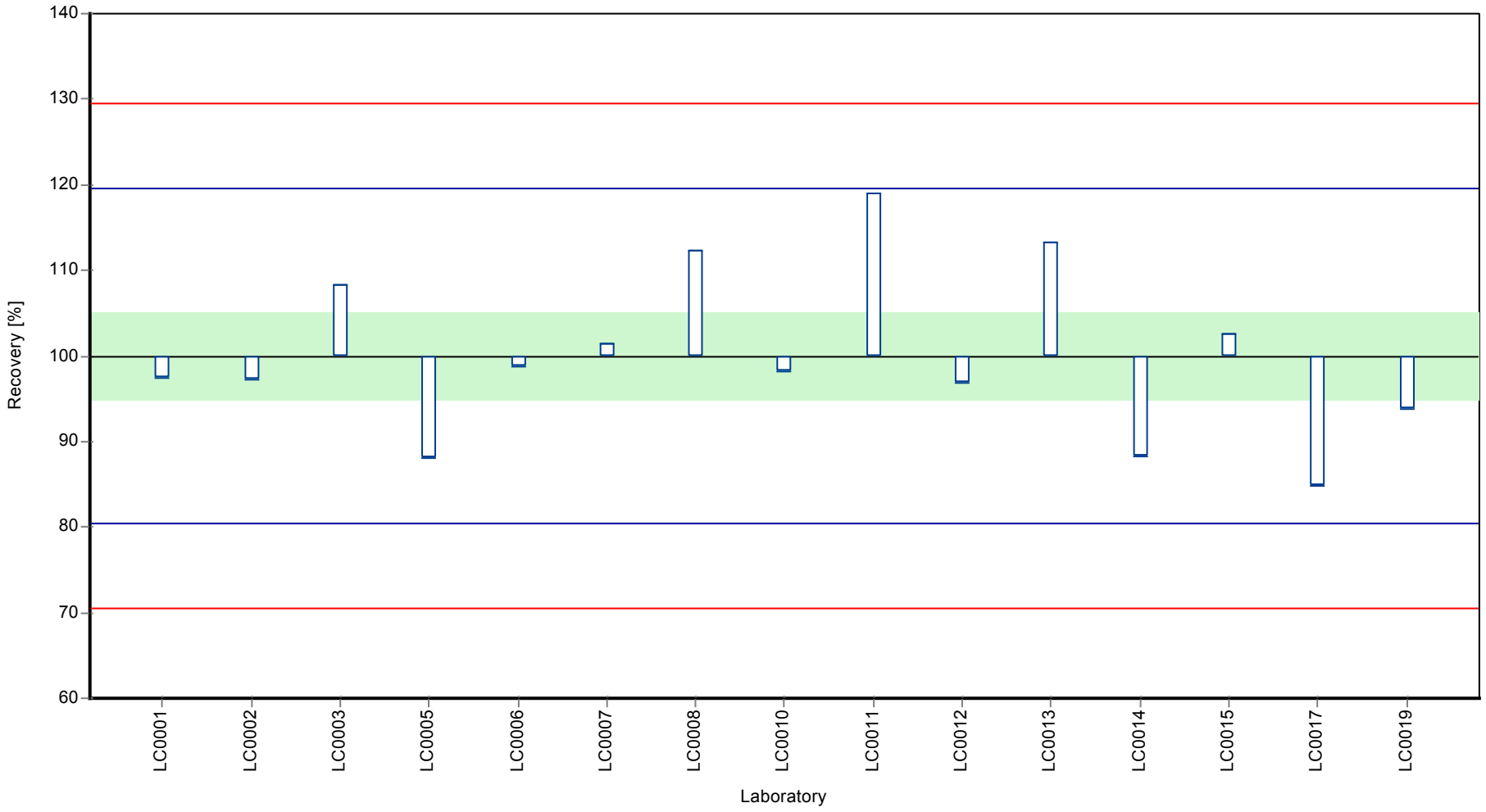
	all results	without outliers	Unit
Mean ± CI (99%)	0.77 ± 0.0585	0.77 ± 0.0585	µg/l
Minimum	0.652	0.652	µg/l
Maximum	0.916	0.916	µg/l
Standard deviation	0.0756	0.0756	µg/l
rel. Standard deviation	9.82	9.82	%
n	15	15	-

Graphical presentation of results

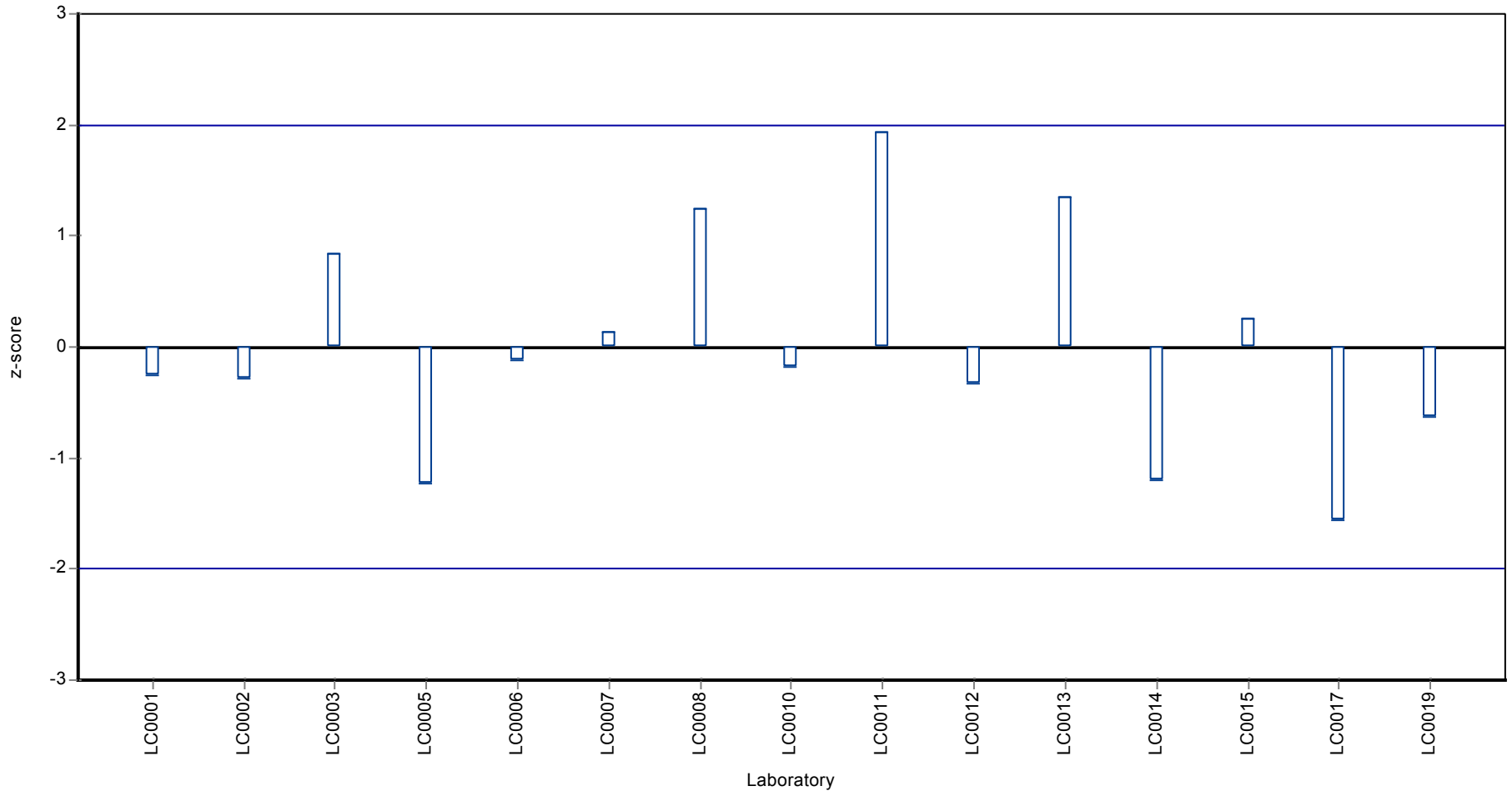
Results



Recovery rate



Z-score


3
2
1
0
-1
-2
-3
z-score
LC0001
LC0002
LC0003
LC0005
LC0006
LC0007
LC0008
LC0010
LC0011
LC0012
LC0013
LC0014
LC0015
LC0017
LC0019
Laboratory

Parameter oriented report

H100 B

Terbutryn

Unit	µg/l
Mean ± CI (99%)	0.754 ± 0.0595
Minimum - Maximum	0.616 - 0.874
Control test value ± U	0.738 ± 0.118

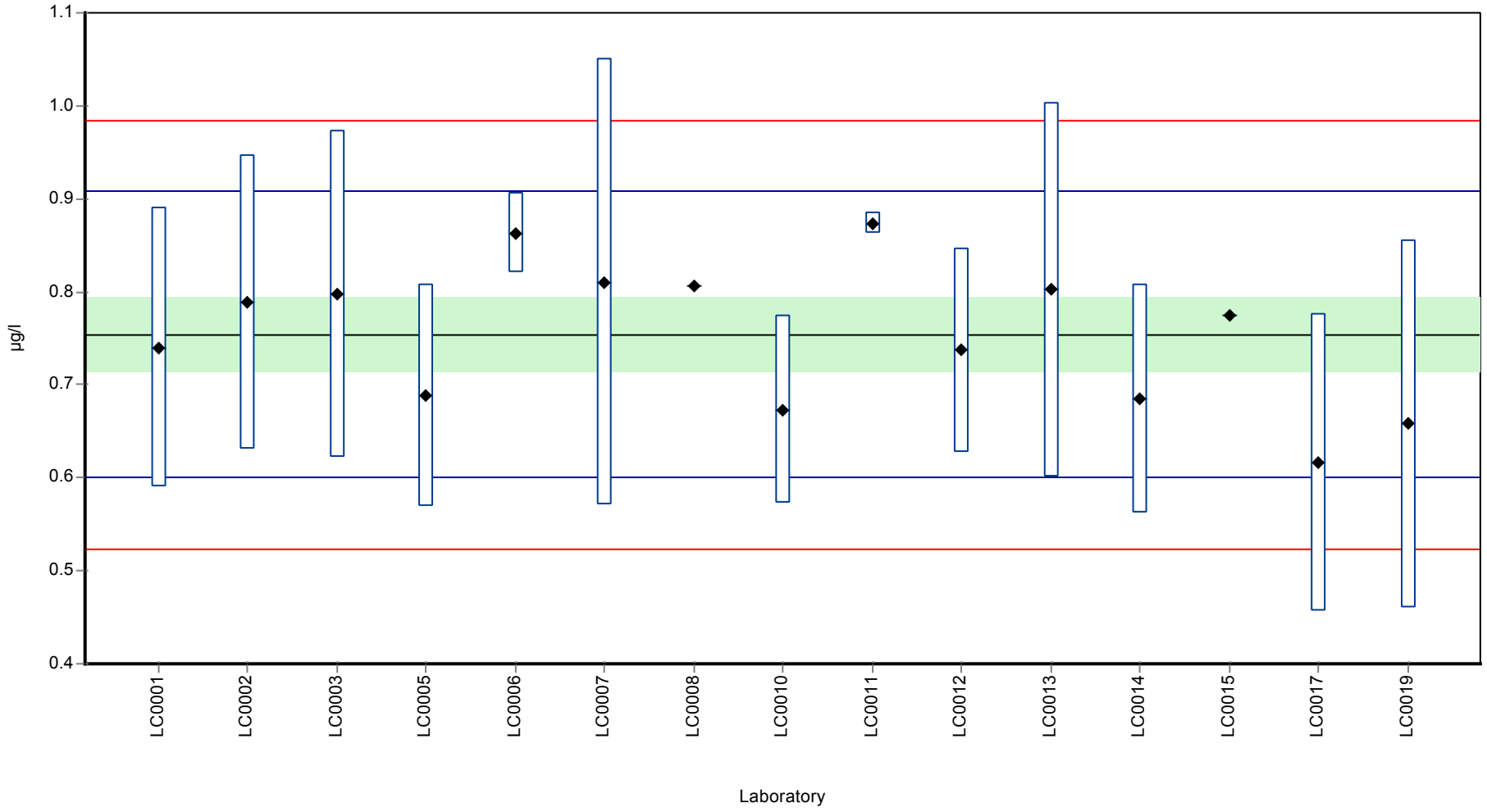
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.74	0.15	98.1	-0.19	
LC0002	0.789	0.158	105	0.45	
LC0003	0.798	0.176	106	0.57	
LC0004	-	-	-	-	
LC0005	0.688	0.12	91.2	-0.86	
LC0006	0.863	0.043	114	1.42	
LC0007	0.81	0.24	107	0.72	
LC0008	0.807	-	107	0.69	
LC0009	-	-	-	-	
LC0010	0.673	0.101	89.2	-1.06	
LC0011	0.874	0.012	116	1.56	
LC0012	0.737	0.11055	97.7	-0.23	
LC0013	0.802	0.201	106	0.62	
LC0014	0.685	0.123	90.8	-0.9	
LC0015	0.775	-	103	0.27	
LC0016	-	-	-	-	
LC0017	0.616	0.16	81.7	-1.8	
LC0018	-	-	-	-	
LC0019	0.658	0.1974	87.2	-1.25	

Characteristics of parameter

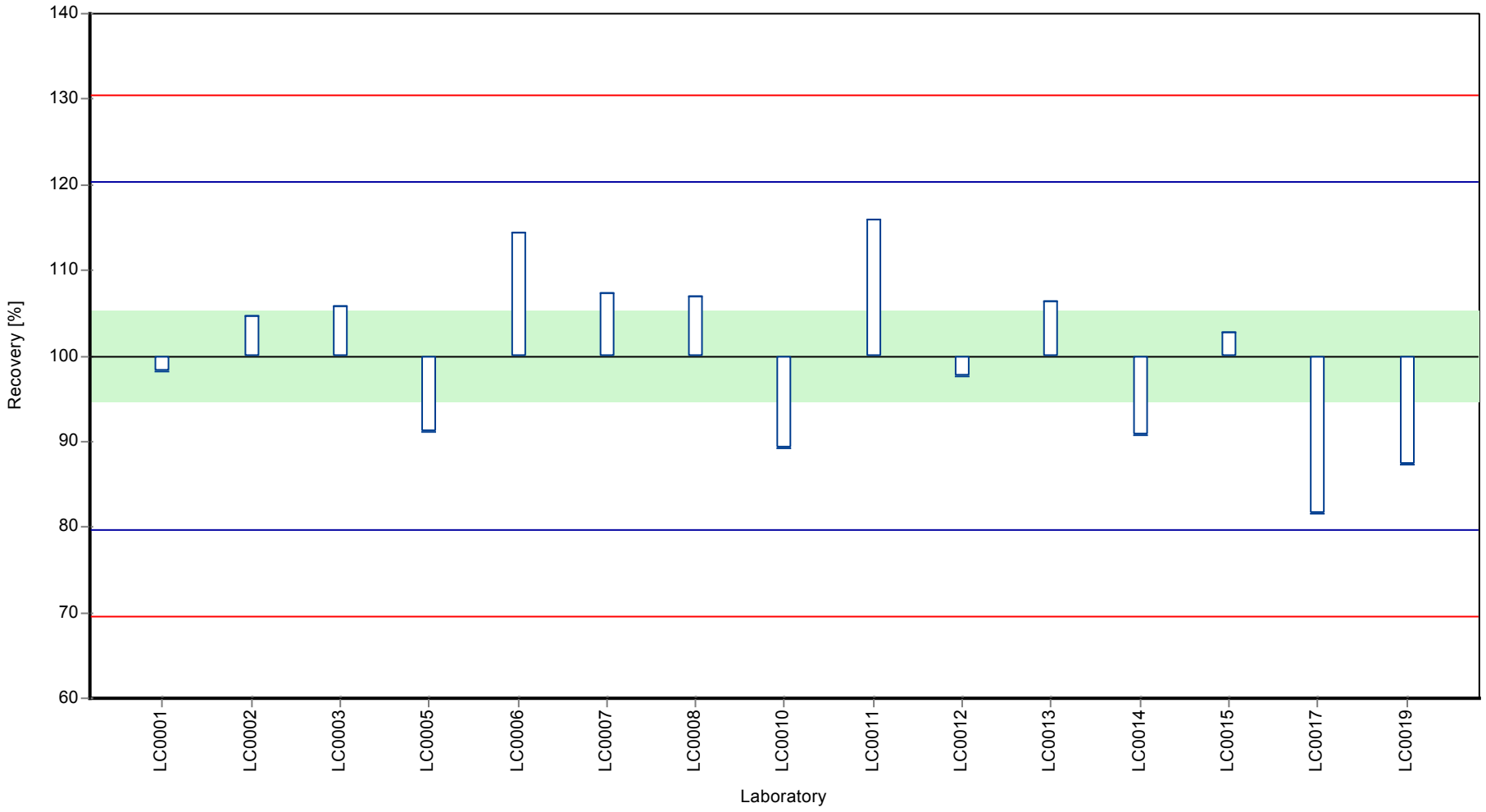
	all results	without outliers	Unit
Mean ± CI (99%)	0.754 ± 0.0595	0.754 ± 0.0595	µg/l
Minimum	0.616	0.616	µg/l
Maximum	0.874	0.874	µg/l
Standard deviation	0.0768	0.0768	µg/l
rel. Standard deviation	10.2	10.2	%
n	15	15	-

Graphical presentation of results

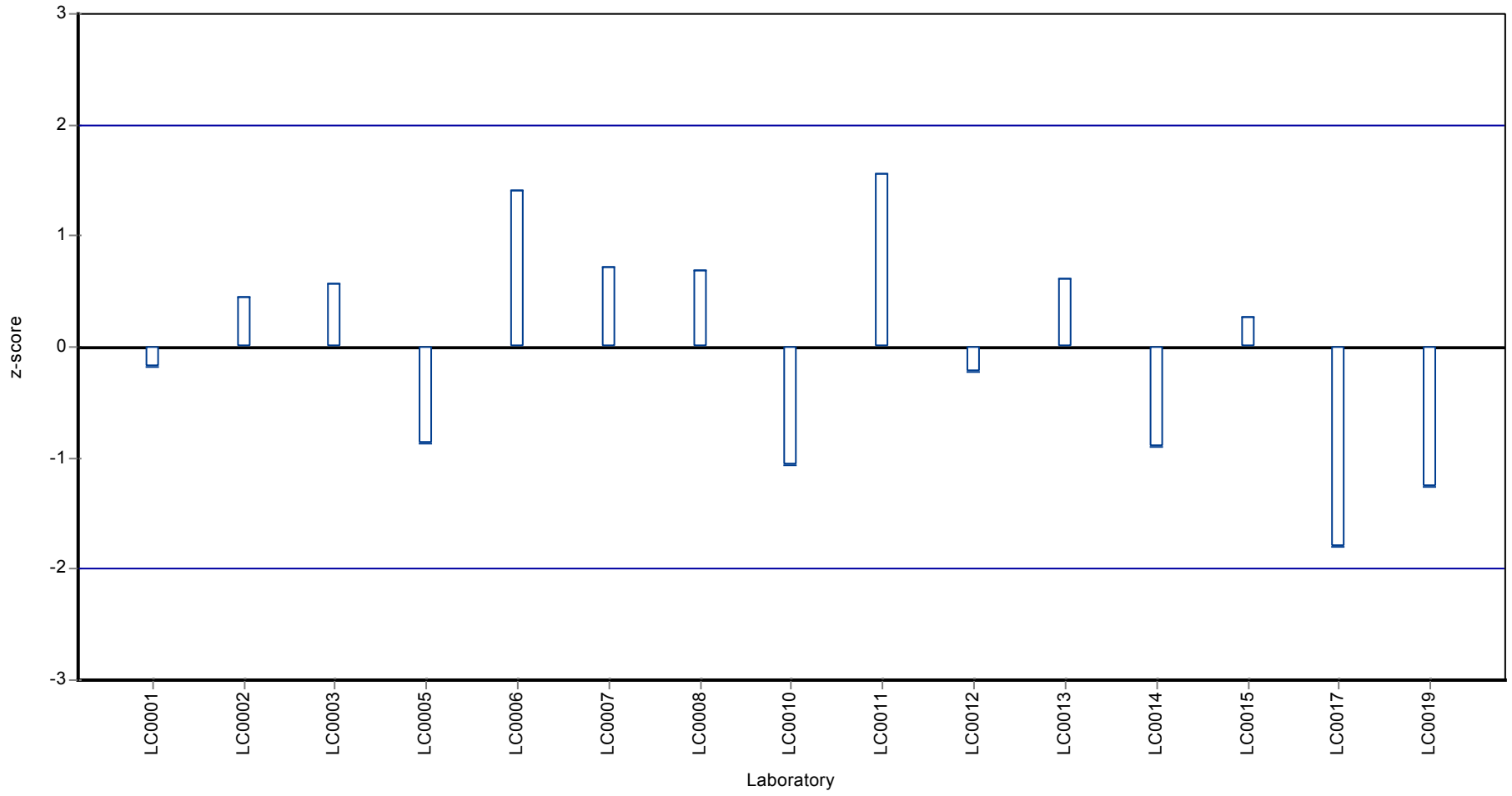
Results



Recovery rate



Z-score


3
2
1
0
-1
-2
-3
z-score
LC0001
LC0002
LC0003
LC0005
LC0006
LC0007
LC0008
LC0010
LC0011
LC0012
LC0013
LC0014
LC0015
LC0017
LC0019
Laboratory

8 Laboratory oriented report

The laboratory oriented report is sorted by laboratory code.

The following results were achieved:

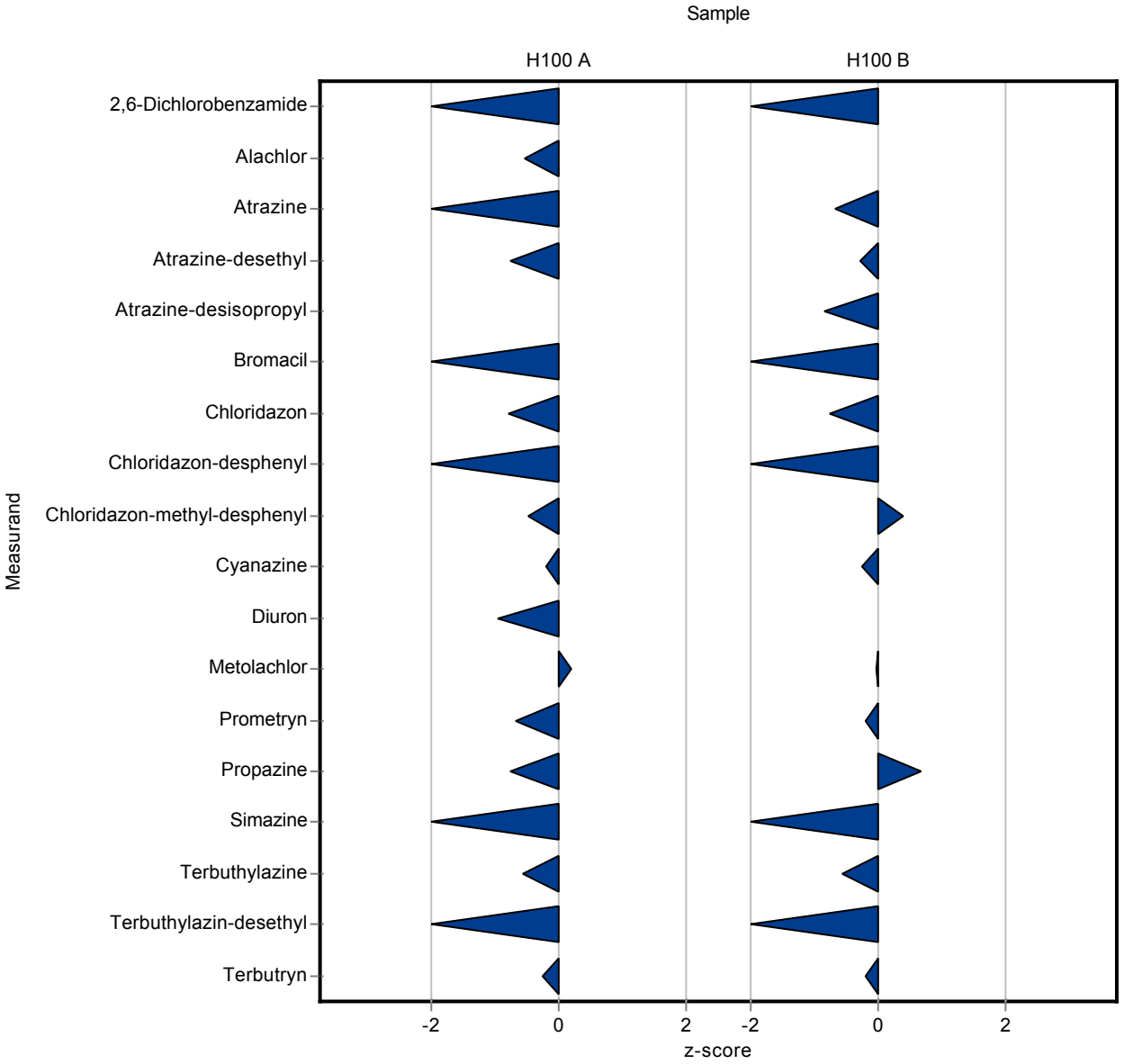
Sample: H100A

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
2,6-Dichlorobenzamide	µg/l	0.424	± 0.0518	0.35	0.07	0.0669	82.6	-1.10
Alachlor	µg/l	0.367	± 0.0714	0.33	0.07	0.0673	89.9	-0.55
Atrazine	µg/l	0.329	± 0.0149	0.3	0.06	0.0211	91.1	-1.39
Atrazine-desethyl	µg/l	0.977	± 0.0738	0.9	0.18	0.101	92.1	-0.76
Atrazine-desethyl-desisopropyl	µg/l	-	± -	-	-	-	-	-
Atrazine-desisopropyl	µg/l	-	± -	<0.02 (LOQ)	-	-	-	-
Bromacil	µg/l	0.46	± 0.0375	0.39	0.08	0.0375	84.8	-1.87
Chloridazon	µg/l	0.246	± 0.0367	0.21	0.04	0.0458	85.4	-0.78
Chloridazon-desphenyl	µg/l	0.167	± 0.0231	0.14	0.03	0.0243	83.7	-1.12
Chloridazon-methyl-desphenyl	µg/l	0.0945	± 0.00989	0.09	0.02	0.00932	95.2	-0.48
Clopyralid	µg/l	-	± -	-	-	-	-	-
Cyanazine	µg/l	0.809	± 0.078	0.79	0.16	0.09	97.7	-0.21
Dimethenamide	µg/l	0.253	± 0.0224	-	-	0.0198	-	-
Diuron	µg/l	0.721	± 0.0662	0.64	0.13	0.0825	88.8	-0.97
Metolachlor	µg/l	0.499	± 0.045	0.51	0.1	0.0541	102	0.20
N,N-Dimethylsulfamide (DMS)	µg/l	0.315	± 0.0222	-	-	0.0181	-	-
Nicosulfurone	µg/l	0.209	± 0.0343	-	-	0.0362	-	-
Prometryn	µg/l	0.737	± 0.0261	0.72	0.14	0.0246	97.7	-0.68
Propazine	µg/l	0.198	± 0.0184	0.18	0.04	0.0237	90.9	-0.76
Sebuthylazine	µg/l	-	± -	-	-	-	-	-
Simazine	µg/l	0.138	± 0.0119	0.12	0.02	0.0159	86.7	-1.16
Terbuthylazine	µg/l	0.161	± 0.0131	0.15	0.03	0.0185	93.3	-0.58
Terbuthylazin-desethyl	µg/l	0.848	± 0.0899	0.66	0.13	0.108	77.9	-1.74
Terbutryn	µg/l	0.77	± 0.0585	0.75	0.15	0.0756	97.5	-0.26

Sample: H100B

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
2,6-Dichlorobenzamide	µg/l	0.809	± 0.0588	0.7	0.14	0.0734	86.6	-1.48
Alachlor	µg/l	-	± -	0.8	0.16	-	-	-
Atrazine	µg/l	0.636	± 0.0271	0.61	0.12	0.0383	96	-0.67
Atrazine-desethyl	µg/l	0.389	± 0.0254	0.38	0.08	0.0338	97.7	-0.26
Atrazine-desethyl-desisopropyl	µg/l	-	± -	-	-	-	-	-
Atrazine-desisopropyl	µg/l	0.557	± 0.0613	0.49	0.1	0.0791	87.9	-0.85
Bromacil	µg/l	0.403	± 0.029	0.36	0.07	0.029	89.4	-1.47

Parameter	Unit	Target	±	CI(99%)	Result	± U	Criteria	Recovery	z-score
Chloridazon	µg/l	0.629	±	0.106	0.53	0.11	0.132	84.3	-0.75
Chloridazon-desphenyl	µg/l	0.435	±	0.0609	0.35	0.07	0.0642	80.5	-1.32
Chloridazon-methyl-desphenyl	µg/l	0.0287	±	0.00374	0.03	0.01	0.0033	104	0.39
Clopyralid	µg/l	0.91	±	0.294	-	-	0.24	-	-
Cyanazine	µg/l	0.277	±	0.0244	0.27	0.05	0.0293	97.3	-0.26
Dimethenamide	µg/l	0.163	±	0.0139	-	-	0.0123	-	-
Diuron	µg/l	-	±	-	<0.02 (LOQ)	-	-	-	-
Metolachlor	µg/l	0.501	±	0.0546	0.5	0.1	0.0681	99.9	-0.01
N,N-Dimethylsulfamide (DMS)	µg/l	0.943	±	0.0849	-	-	0.0749	-	-
Nicosulfurone	µg/l	0.649	±	0.112	-	-	0.112	-	-
Prometryn	µg/l	0.296	±	0.0277	0.29	0.06	0.0306	97.9	-0.20
Propazine	µg/l	0.203	±	0.0209	0.22	0.04	0.0251	108	0.68
Sebuthylazine	µg/l	0.434	±	0.02	-	-	0.02	-	-
Simazine	µg/l	0.215	±	0.0167	0.19	0.04	0.0222	88.5	-1.12
Terbuthylazine	µg/l	0.782	±	0.0652	0.73	0.15	0.0922	93.4	-0.56
Terbuthylazin-desethyl	µg/l	0.43	±	0.0495	0.35	0.07	0.0595	81.4	-1.34
Terbutryn	µg/l	0.754	±	0.0595	0.74	0.15	0.0768	98.1	-0.19


Sample
H100 A
H100 B
2,6-Dichlorobenzamide
Alachlor
Atrazine
Atrazine-desethyl
Atrazine-desisopropyl
Bromacil
Chloridazon
Chloridazon-desphenyl
Chloridazon-methyl-desphenyl
Cyanazine
Diuron
Metolachlor
Prometryn
Propazine
Simazine
Terbuthylazine
Terbuthylazin-desethyl
Terbutryn
Measurand
-2
0
2
-2
0
2
z-score

The following results were achieved:

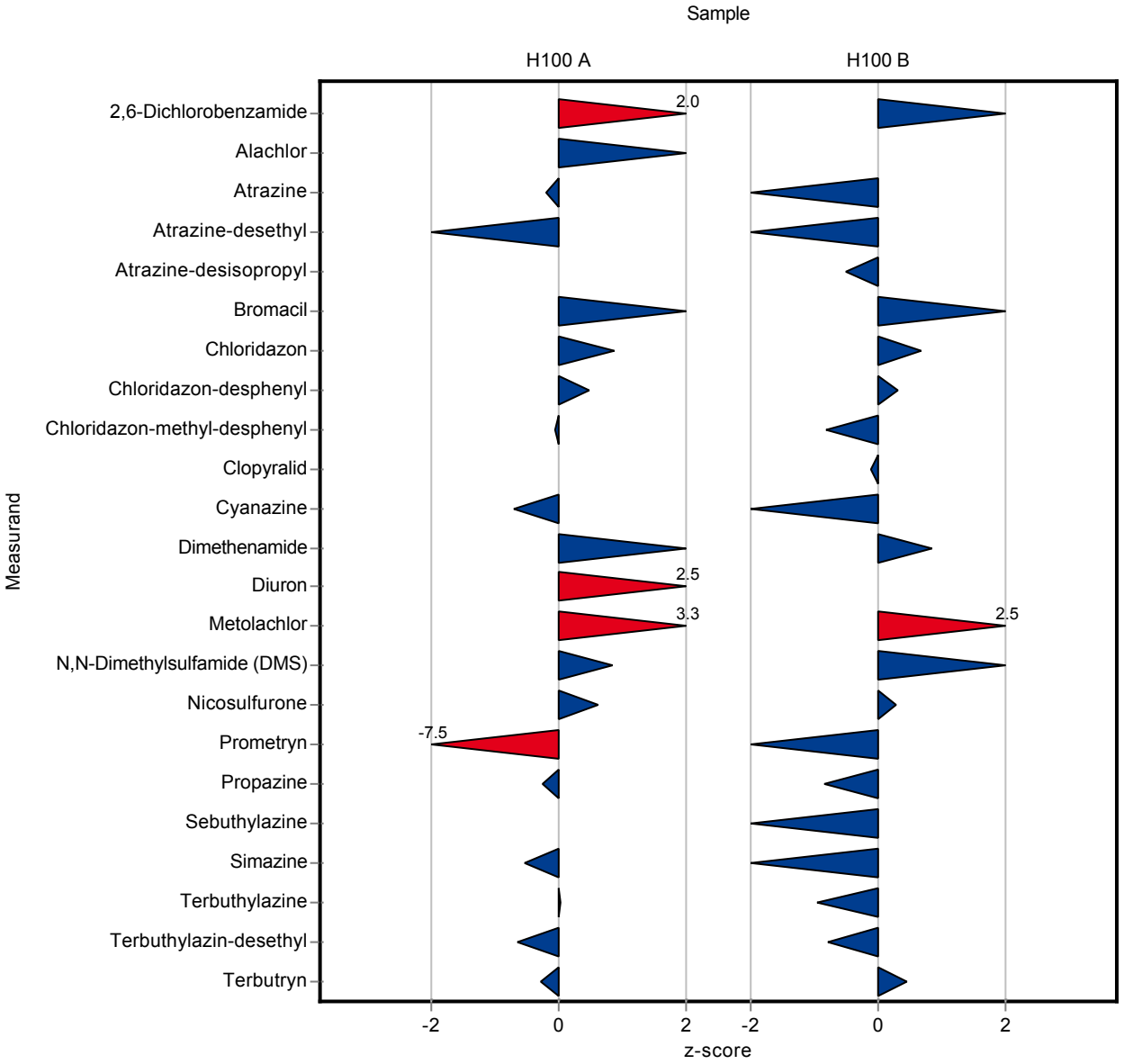
Sample: H100A

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
2,6-Dichlorobenzamide	µg/l	0.424	± 0.0518	0.559	0.112	0.0669	132	2.02
Alachlor	µg/l	0.367	± 0.0714	0.477	0.095	0.0673	130	1.63
Atrazine	µg/l	0.329	± 0.0149	0.325	0.065	0.0211	98.7	-0.20
Atrazine-desethyl	µg/l	0.977	± 0.0738	0.868	0.174	0.101	88.8	-1.07
Atrazine-desethyl-desisopropyl	µg/l	-	± -	-	-	-	-	-
Atrazine-desisopropyl	µg/l	-	± -	<0.01 (LOQ)	-	-	-	-
Bromacil	µg/l	0.46	± 0.0375	0.508	0.102	0.0375	110	1.28
Chloridazon	µg/l	0.246	± 0.0367	0.286	0.057	0.0458	116	0.88
Chloridazon-desphenyl	µg/l	0.167	± 0.0231	0.179	0.036	0.0243	107	0.48
Chloridazon-methyl-desphenyl	µg/l	0.0945	± 0.00989	0.094	0.019	0.00932	99.5	-0.05
Clopyralid	µg/l	-	± -	0.385	0.077	-	-	-
Cyanazine	µg/l	0.809	± 0.078	0.746	0.149	0.09	92.2	-0.70
Dimethenamide	µg/l	0.253	± 0.0224	0.283	0.057	0.0198	112	1.53
Diuron	µg/l	0.721	± 0.0662	0.924	0.185	0.0825	128	2.47
Metolachlor	µg/l	0.499	± 0.045	0.679	0.136	0.0541	136	3.33
N,N-Dimethylsulfamide (DMS)	µg/l	0.315	± 0.0222	0.33	0.066	0.0181	105	0.84
Nicosulfurone	µg/l	0.209	± 0.0343	0.231	0.046	0.0362	111	0.62
Prometryn	µg/l	0.737	± 0.0261	0.553	0.111	0.0246	75.1	-7.48
Propazine	µg/l	0.198	± 0.0184	0.192	0.038	0.0237	97	-0.25
Sebuthylazine	µg/l	-	± -	<0.01 (LOQ)	-	-	-	-
Simazine	µg/l	0.138	± 0.0119	0.13	0.026	0.0159	93.9	-0.53
Terbuthylazine	µg/l	0.161	± 0.0131	0.161	0.032	0.0185	100	0.01
Terbuthylazin-desethyl	µg/l	0.848	± 0.0899	0.777	0.155	0.108	91.7	-0.66
Terbutryn	µg/l	0.77	± 0.0585	0.748	0.15	0.0756	97.2	-0.28

Sample: H100B

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
2,6-Dichlorobenzamide	µg/l	0.809	± 0.0588	0.949	0.19	0.0734	117	1.91
Alachlor	µg/l	-	± -	1.09	0.219	-	-	-
Atrazine	µg/l	0.636	± 0.0271	0.596	0.119	0.0383	93.8	-1.03
Atrazine-desethyl	µg/l	0.389	± 0.0254	0.35	0.07	0.0338	90	-1.15
Atrazine-desethyl-desisopropyl	µg/l	-	± -	-	-	-	-	-
Atrazine-desisopropyl	µg/l	0.557	± 0.0613	0.518	0.104	0.0791	92.9	-0.50
Bromacil	µg/l	0.403	± 0.029	0.437	0.087	0.029	109	1.18

Parameter	Unit	Target	±	CI(99%)	Result	± U	Criteria	Recovery	z-score
Chloridazon	µg/l	0.629	±	0.106	0.717	0.143	0.132	114	0.67
Chloridazon-desphenyl	µg/l	0.435	±	0.0609	0.455	0.091	0.0642	105	0.32
Chloridazon-methyl-desphenyl	µg/l	0.0287	±	0.00374	0.026	0.005	0.0033	90.5	-0.82
Clopyralid	µg/l	0.91	±	0.294	0.888	0.178	0.24	97.5	-0.09
Cyanazine	µg/l	0.277	±	0.0244	0.229	0.046	0.0293	82.5	-1.66
Dimethenamide	µg/l	0.163	±	0.0139	0.174	0.035	0.0123	106	0.86
Diuron	µg/l	-	±	-	<0.01 (LOQ)	-	-	-	-
Metolachlor	µg/l	0.501	±	0.0546	0.672	0.134	0.0681	134	2.51
N,N-Dimethylsulfamide (DMS)	µg/l	0.943	±	0.0849	1.03	0.205	0.0749	109	1.16
Nicosulfurone	µg/l	0.649	±	0.112	0.68	0.136	0.112	105	0.28
Prometryn	µg/l	0.296	±	0.0277	0.26	0.052	0.0306	87.8	-1.18
Propazine	µg/l	0.203	±	0.0209	0.182	0.036	0.0251	89.7	-0.84
Sebuthylazine	µg/l	0.434	±	0.02	0.395	0.079	0.02	91.1	-1.94
Simazine	µg/l	0.215	±	0.0167	0.184	0.037	0.0222	85.7	-1.39
Terbuthylazine	µg/l	0.782	±	0.0652	0.694	0.139	0.0922	88.7	-0.95
Terbuthylazin-desethyl	µg/l	0.43	±	0.0495	0.384	0.077	0.0595	89.3	-0.77
Terbutryn	µg/l	0.754	±	0.0595	0.789	0.158	0.0768	105	0.45


Sample
H100 A
H100 B
Measurand
2,6-Dichlorobenzamide
Alachlor
Atrazine
Atrazine-desethyl
Atrazine-desisopropyl
Bromacil
Chloridazon
Chloridazon-desphenyl
Chloridazon-methyl-desphenyl
Clopyralid
Cyanazine
Dimethenamide
Diuron
Metolachlor
N,N-Dimethylsulfamide (DMS)
Nicosulfurone
Prometryn
Propazine
Sebuthylazine
Simazine
Terbuthylazine
Terbuthylazin-desethyl
Terbutryn
2.0
2.5
3.3
2.5
-7.5
-2
0
2
-2
0
2
z-score

The following results were achieved:

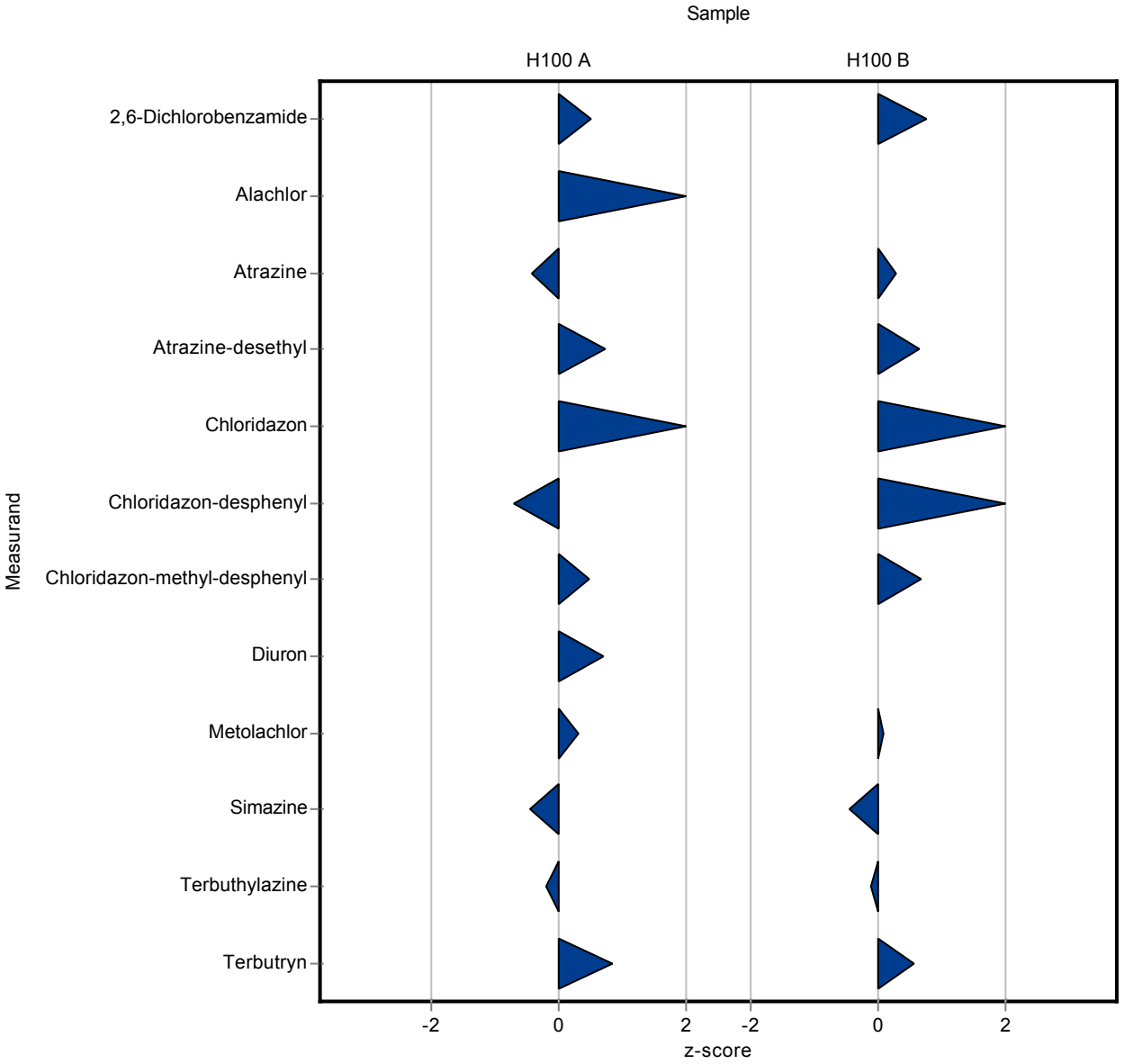
Sample: H100A

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
2,6-Dichlorobenzamide	µg/l	0.424	± 0.0518	0.458	0.078	0.0669	108	0.52
Alachlor	µg/l	0.367	± 0.0714	0.452	0.203	0.0673	123	1.26
Atrazine	µg/l	0.329	± 0.0149	0.32	0.061	0.0211	97.2	-0.44
Atrazine-desethyl	µg/l	0.977	± 0.0738	1.052	0.168	0.101	108	0.74
Atrazine-desethyl-desisopropyl	µg/l	-	± -	-	-	-	-	-
Atrazine-desisopropyl	µg/l	-	± -	-	-	-	-	-
Bromacil	µg/l	0.46	± 0.0375	-	-	0.0375	-	-
Chloridazon	µg/l	0.246	± 0.0367	0.31	0.093	0.0458	126	1.40
Chloridazon-desphenyl	µg/l	0.167	± 0.0231	0.15	0.045	0.0243	89.7	-0.71
Chloridazon-methyl-desphenyl	µg/l	0.0945	± 0.00989	0.099	0.027	0.00932	105	0.48
Clopyralid	µg/l	-	± -	-	-	-	-	-
Cyanazine	µg/l	0.809	± 0.078	-	-	0.09	-	-
Dimethenamide	µg/l	0.253	± 0.0224	-	-	0.0198	-	-
Diuron	µg/l	0.721	± 0.0662	0.778	0.233	0.0825	108	0.70
Metolachlor	µg/l	0.499	± 0.045	0.516	0.072	0.0541	103	0.32
N,N-Dimethylsulfamide (DMS)	µg/l	0.315	± 0.0222	-	-	0.0181	-	-
Nicosulfurone	µg/l	0.209	± 0.0343	-	-	0.0362	-	-
Prometryn	µg/l	0.737	± 0.0261	-	-	0.0246	-	-
Propazine	µg/l	0.198	± 0.0184	-	-	0.0237	-	-
Sebuthylazine	µg/l	-	± -	-	-	-	-	-
Simazine	µg/l	0.138	± 0.0119	0.131	0.018	0.0159	94.6	-0.47
Terbuthylazine	µg/l	0.161	± 0.0131	0.157	0.022	0.0185	97.7	-0.20
Terbuthylazin-desethyl	µg/l	0.848	± 0.0899	-	-	0.108	-	-
Terbutryn	µg/l	0.77	± 0.0585	0.833	0.183	0.0756	108	0.84

Sample: H100B

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
2,6-Dichlorobenzamide	µg/l	0.809	± 0.0588	0.865	0.147	0.0734	107	0.77
Alachlor	µg/l	-	± -	1.059	0.477	-	-	-
Atrazine	µg/l	0.636	± 0.0271	0.647	0.123	0.0383	102	0.30
Atrazine-desethyl	µg/l	0.389	± 0.0254	0.411	0.066	0.0338	106	0.65
Atrazine-desethyl-desisopropyl	µg/l	-	± -	-	-	-	-	-
Atrazine-desisopropyl	µg/l	0.557	± 0.0613	-	-	0.0791	-	-
Bromacil	µg/l	0.403	± 0.029	-	-	0.029	-	-

Parameter	Unit	Target	±	CI(99%)	Result	± U	Criteria	Recovery	z-score
Chloridazon	µg/l	0.629	±	0.106	0.808	0.242	0.132	128	1.36
Chloridazon-desphenyl	µg/l	0.435	±	0.0609	0.559	0.168	0.0642	129	1.94
Chloridazon-methyl-desphenyl	µg/l	0.0287	±	0.00374	0.031	0.008	0.0033	108	0.69
Clopyralid	µg/l	0.91	±	0.294	-	-	0.24	-	-
Cyanazine	µg/l	0.277	±	0.0244	-	-	0.0293	-	-
Dimethenamide	µg/l	0.163	±	0.0139	-	-	0.0123	-	-
Diuron	µg/l	-	±	-	<0.005	-	-	-	-
Metolachlor	µg/l	0.501	±	0.0546	0.506	0.071	0.0681	101	0.08
N,N-Dimethylsulfamide (DMS)	µg/l	0.943	±	0.0849	-	-	0.0749	-	-
Nicosulfurone	µg/l	0.649	±	0.112	-	-	0.112	-	-
Prometryn	µg/l	0.296	±	0.0277	-	-	0.0306	-	-
Propazine	µg/l	0.203	±	0.0209	-	-	0.0251	-	-
Sebuthylazine	µg/l	0.434	±	0.02	-	-	0.02	-	-
Simazine	µg/l	0.215	±	0.0167	0.205	0.029	0.0222	95.4	-0.44
Terbuthylazine	µg/l	0.782	±	0.0652	0.773	0.108	0.0922	98.8	-0.10
Terbuthylazin-desethyl	µg/l	0.43	±	0.0495	-	-	0.0595	-	-
Terbutryn	µg/l	0.754	±	0.0595	0.798	0.176	0.0768	106	0.57


Sample
H100 A
H100 B
2,6-Dichlorobenzamide
Alachlor
Atrazine
Atrazine-desethyl
Chloridazon
Chloridazon-desphenyl
Chloridazon-methyl-desphenyl
Diuron
Metolachlor
Simazine
Terbuthylazine
Terbutryn
Measurand
-2
0
2
-2
0
2
z-score

The following results were achieved:

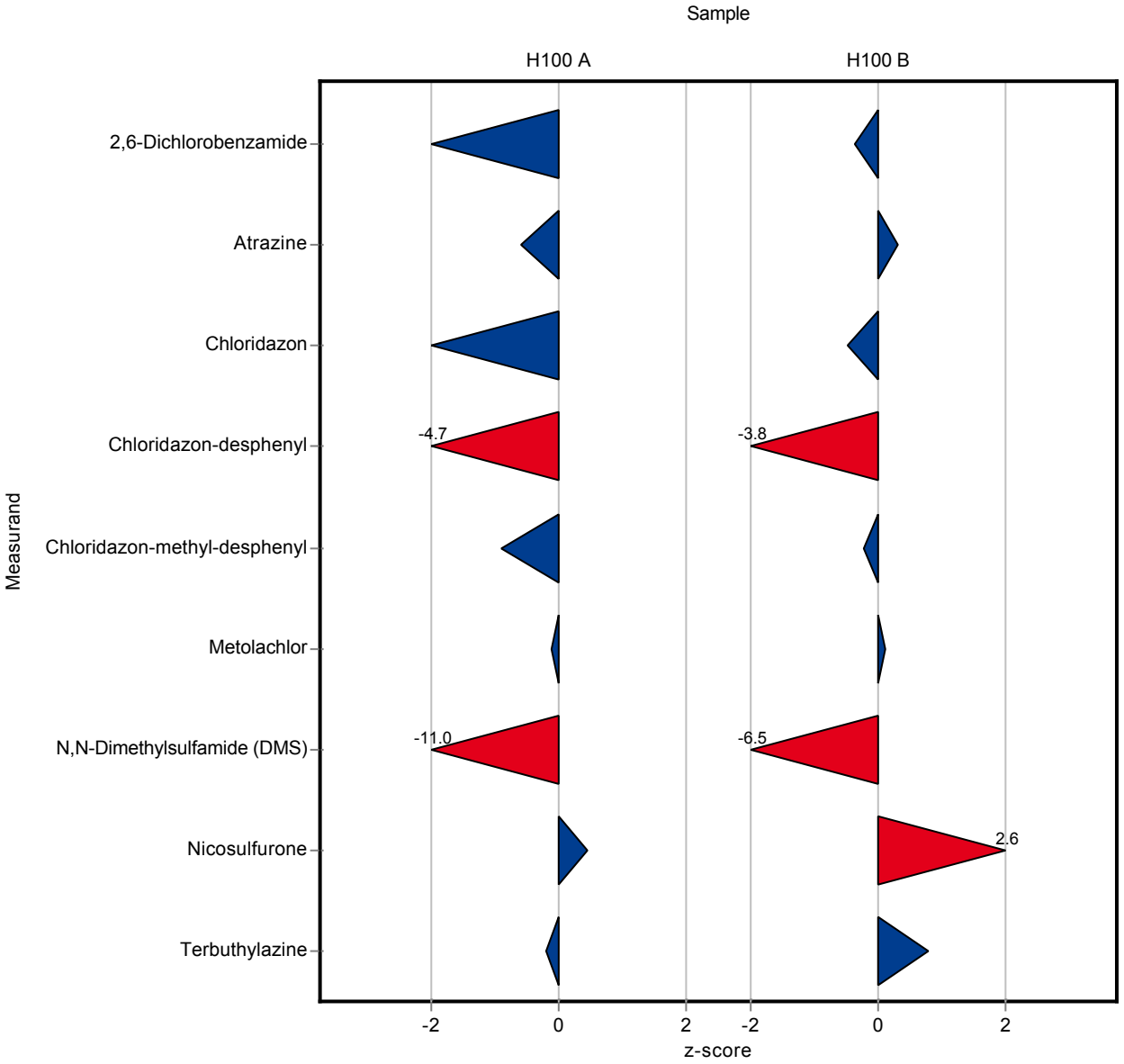
Sample: H100A

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
2,6-Dichlorobenzamide	µg/l	0.424	± 0.0518	0.352	0.053	0.0669	83.1	-1.07
Alachlor	µg/l	0.367	± 0.0714	-	-	0.0673	-	-
Atrazine	µg/l	0.329	± 0.0149	0.317	0.048	0.0211	96.3	-0.58
Atrazine-desethyl	µg/l	0.977	± 0.0738	-	-	0.101	-	-
Atrazine-desethyl-desisopropyl	µg/l	-	± -	-	-	-	-	-
Atrazine-desisopropyl	µg/l	-	± -	-	-	-	-	-
Bromacil	µg/l	0.46	± 0.0375	-	-	0.0375	-	-
Chloridazon	µg/l	0.246	± 0.0367	0.196	0.029	0.0458	79.7	-1.09
Chloridazon-desphenyl	µg/l	0.167	± 0.0231	0.052	0.008	0.0243	31.1	-4.74
Chloridazon-methyl-desphenyl	µg/l	0.0945	± 0.00989	0.086	0.013	0.00932	91	-0.91
Clopyralid	µg/l	-	± -	-	-	-	-	-
Cyanazine	µg/l	0.809	± 0.078	-	-	0.09	-	-
Dimethenamide	µg/l	0.253	± 0.0224	-	-	0.0198	-	-
Diuron	µg/l	0.721	± 0.0662	-	-	0.0825	-	-
Metolachlor	µg/l	0.499	± 0.045	0.493	0.074	0.0541	98.8	-0.11
N,N-Dimethylsulfamide (DMS)	µg/l	0.315	± 0.0222	0.115	0.017	0.0181	36.5	-11.00
Nicosulfurone	µg/l	0.209	± 0.0343	0.225	0.034	0.0362	108	0.45
Prometryn	µg/l	0.737	± 0.0261	-	-	0.0246	-	-
Propazine	µg/l	0.198	± 0.0184	-	-	0.0237	-	-
Sebuthylazine	µg/l	-	± -	-	-	-	-	-
Simazine	µg/l	0.138	± 0.0119	-	-	0.0159	-	-
Terbuthylazine	µg/l	0.161	± 0.0131	0.157	0.024	0.0185	97.7	-0.20
Terbuthylazin-desethyl	µg/l	0.848	± 0.0899	-	-	0.108	-	-
Terbutryn	µg/l	0.77	± 0.0585	-	-	0.0756	-	-

Sample: H100B

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
2,6-Dichlorobenzamide	µg/l	0.809	± 0.0588	0.782	0.117	0.0734	96.7	-0.36
Alachlor	µg/l	-	± -	-	-	-	-	-
Atrazine	µg/l	0.636	± 0.0271	0.648	0.097	0.0383	102	0.32
Atrazine-desethyl	µg/l	0.389	± 0.0254	-	-	0.0338	-	-
Atrazine-desethyl-desisopropyl	µg/l	-	± -	-	-	-	-	-
Atrazine-desisopropyl	µg/l	0.557	± 0.0613	-	-	0.0791	-	-
Bromacil	µg/l	0.403	± 0.029	-	-	0.029	-	-

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
Chloridazon	µg/l	0.629	± 0.106	0.567	0.085	0.132	90.2	-0.47
Chloridazon-desphenyl	µg/l	0.435	± 0.0609	0.189	0.028	0.0642	43.5	-3.83
Chloridazon-methyl-desphenyl	µg/l	0.0287	± 0.00374	0.028	0.004	0.0033	97.5	-0.22
Clopyralid	µg/l	0.91	± 0.294	-	-	0.24	-	-
Cyanazine	µg/l	0.277	± 0.0244	-	-	0.0293	-	-
Dimethenamide	µg/l	0.163	± 0.0139	-	-	0.0123	-	-
Diuron	µg/l	-	± -	-	-	-	-	-
Metolachlor	µg/l	0.501	± 0.0546	0.509	0.076	0.0681	102	0.12
N,N-Dimethylsulfamide (DMS)	µg/l	0.943	± 0.0849	0.453	0.068	0.0749	48	-6.55
Nicosulfurone	µg/l	0.649	± 0.112	0.943	0.141	0.112	145	2.63
Prometryn	µg/l	0.296	± 0.0277	-	-	0.0306	-	-
Propazine	µg/l	0.203	± 0.0209	-	-	0.0251	-	-
Sebuthylazine	µg/l	0.434	± 0.02	-	-	0.02	-	-
Simazine	µg/l	0.215	± 0.0167	-	-	0.0222	-	-
Terbuthylazine	µg/l	0.782	± 0.0652	0.856	0.128	0.0922	109	0.80
Terbuthylazin-desethyl	µg/l	0.43	± 0.0495	-	-	0.0595	-	-
Terbutryn	µg/l	0.754	± 0.0595	-	-	0.0768	-	-


Sample
H100 A
H100 B
2,6-Dichlorobenzamide
Atrazine
Chloridazon
Chloridazon-desphenyl
Chloridazon-methyl-desphenyl
Metolachlor
N,N-Dimethylsulfamide (DMS)
Nicosulfurone
Terbuthylazine
Measurand
-4.7
-3.8
-11.0
-6.5
2.6
-2
0
2
z-score

The following results were achieved:

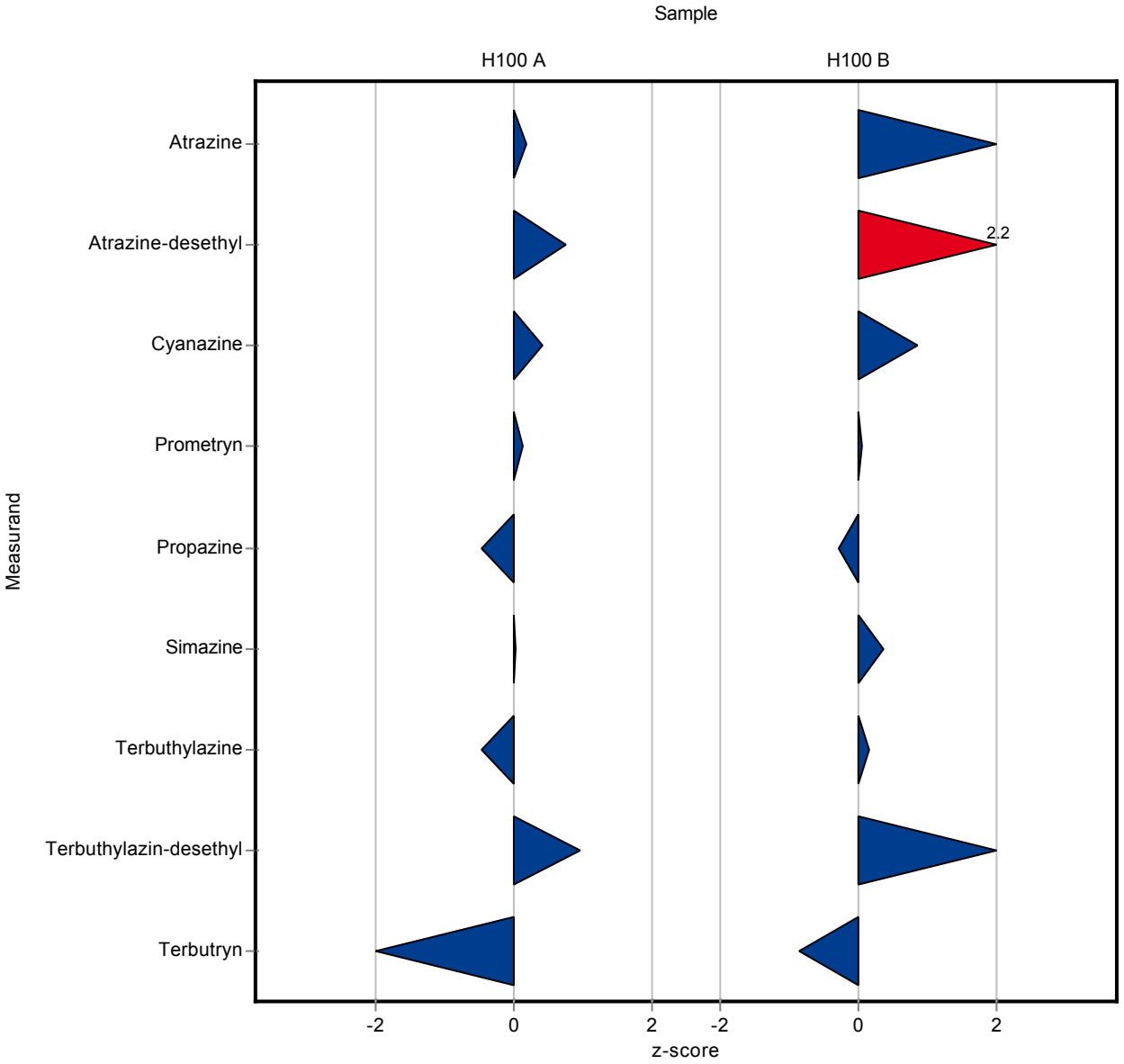
Sample: H100A

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
2,6-Dichlorobenzamide	µg/l	0.424	± 0.0518	-	-	0.0669	-	-
Alachlor	µg/l	0.367	± 0.0714	-	-	0.0673	-	-
Atrazine	µg/l	0.329	± 0.0149	0.333	0.058	0.0211	101	0.17
Atrazine-desethyl	µg/l	0.977	± 0.0738	1.053	0.183	0.101	108	0.75
Atrazine-desethyl-desisopropyl	µg/l	-	± -	-	-	-	-	-
Atrazine-desisopropyl	µg/l	-	± -	-	-	-	-	-
Bromacil	µg/l	0.46	± 0.0375	-	-	0.0375	-	-
Chloridazon	µg/l	0.246	± 0.0367	-	-	0.0458	-	-
Chloridazon-desphenyl	µg/l	0.167	± 0.0231	-	-	0.0243	-	-
Chloridazon-methyl-desphenyl	µg/l	0.0945	± 0.00989	-	-	0.00932	-	-
Clopyralid	µg/l	-	± -	-	-	-	-	-
Cyanazine	µg/l	0.809	± 0.078	0.847	0.147	0.09	105	0.42
Dimethenamide	µg/l	0.253	± 0.0224	-	-	0.0198	-	-
Diuron	µg/l	0.721	± 0.0662	-	-	0.0825	-	-
Metolachlor	µg/l	0.499	± 0.045	-	-	0.0541	-	-
N,N-Dimethylsulfamide (DMS)	µg/l	0.315	± 0.0222	-	-	0.0181	-	-
Nicosulfurone	µg/l	0.209	± 0.0343	-	-	0.0362	-	-
Prometryn	µg/l	0.737	± 0.0261	0.74	0.129	0.0246	100	0.13
Propazine	µg/l	0.198	± 0.0184	0.187	0.033	0.0237	94.5	-0.46
Sebuthylazine	µg/l	-	± -	-	-	-	-	-
Simazine	µg/l	0.138	± 0.0119	0.139	0.024	0.0159	100	0.04
Terbuthylazine	µg/l	0.161	± 0.0131	0.152	0.026	0.0185	94.6	-0.47
Terbuthylazin-desethyl	µg/l	0.848	± 0.0899	0.951	0.166	0.108	112	0.96
Terbutryn	µg/l	0.77	± 0.0585	0.677	0.118	0.0756	88	-1.22

Sample: H100B

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
2,6-Dichlorobenzamide	µg/l	0.809	± 0.0588	-	-	0.0734	-	-
Alachlor	µg/l	-	± -	-	-	-	-	-
Atrazine	µg/l	0.636	± 0.0271	0.674	0.117	0.0383	106	1.00
Atrazine-desethyl	µg/l	0.389	± 0.0254	0.463	0.081	0.0338	119	2.19
Atrazine-desethyl-desisopropyl	µg/l	-	± -	-	-	-	-	-
Atrazine-desisopropyl	µg/l	0.557	± 0.0613	-	-	0.0791	-	-
Bromacil	µg/l	0.403	± 0.029	-	-	0.029	-	-

Parameter	Unit	Target	±	CI(99%)	Result	± U	Criteria	Recovery	z-score
Chloridazon	µg/l	0.629	±	0.106	-	-	0.132	-	-
Chloridazon-desphenyl	µg/l	0.435	±	0.0609	-	-	0.0642	-	-
Chloridazon-methyl-desphenyl	µg/l	0.0287	±	0.00374	-	-	0.0033	-	-
Clopyralid	µg/l	0.91	±	0.294	-	-	0.24	-	-
Cyanazine	µg/l	0.277	±	0.0244	0.303	0.053	0.0293	109	0.87
Dimethenamide	µg/l	0.163	±	0.0139	-	-	0.0123	-	-
Diuron	µg/l	-	±	-	-	-	-	-	-
Metolachlor	µg/l	0.501	±	0.0546	-	-	0.0681	-	-
N,N-Dimethylsulfamide (DMS)	µg/l	0.943	±	0.0849	-	-	0.0749	-	-
Nicosulfurone	µg/l	0.649	±	0.112	-	-	0.112	-	-
Prometryn	µg/l	0.296	±	0.0277	0.298	0.052	0.0306	101	0.06
Propazine	µg/l	0.203	±	0.0209	0.196	0.034	0.0251	96.6	-0.28
Sebuthylazine	µg/l	0.434	±	0.02	-	-	0.02	-	-
Simazine	µg/l	0.215	±	0.0167	0.223	0.039	0.0222	104	0.37
Terbuthylazine	µg/l	0.782	±	0.0652	0.796	0.139	0.0922	102	0.15
Terbuthylazin-desethyl	µg/l	0.43	±	0.0495	0.518	0.09	0.0595	121	1.48
Terbutryn	µg/l	0.754	±	0.0595	0.688	0.12	0.0768	91.2	-0.86


Sample
H100 A
H100 B
Atrazine
Atrazine-desethyl
Cyanazine
Prometryn
Propazine
Simazine
Terbuthylazine
Terbuthylazin-desethyl
Terbutryn
Measurand
2.2
-2
0
2
-2
0
2
z-score

The following results were achieved:

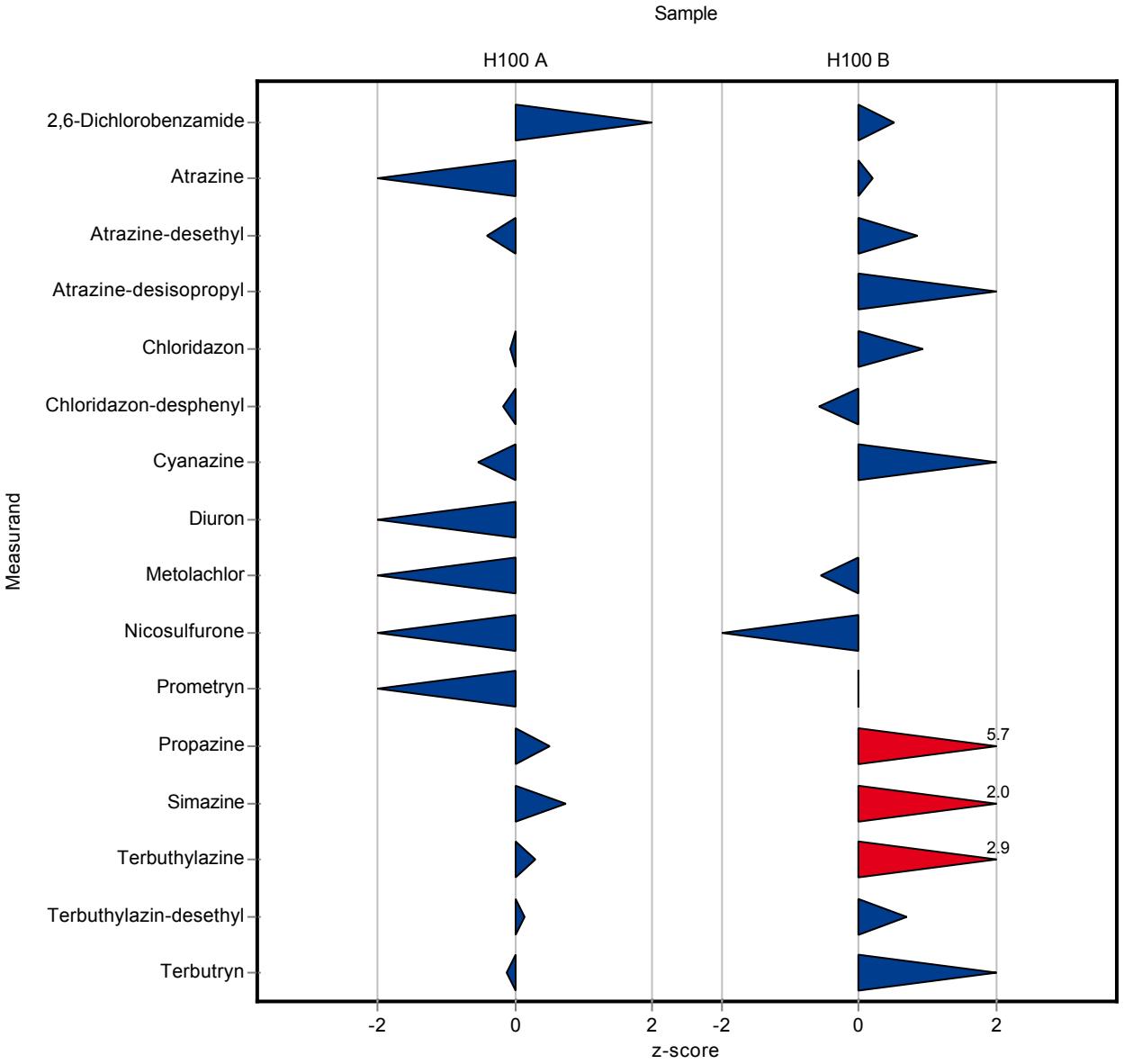
Sample: H100A

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
2,6-Dichlorobenzamide	µg/l	0.424	± 0.0518	0.529	0.088	0.0669	125	1.58
Alachlor	µg/l	0.367	± 0.0714	-	-	0.0673	-	-
Atrazine	µg/l	0.329	± 0.0149	0.306	0.035	0.0211	92.9	-1.10
Atrazine-desethyl	µg/l	0.977	± 0.0738	0.936	0.149	0.101	95.8	-0.40
Atrazine-desethyl-desisopropyl	µg/l	-	± -	-	-	-	-	-
Atrazine-desisopropyl	µg/l	-	± -	<0.005	-	-	-	-
Bromacil	µg/l	0.46	± 0.0375	-	-	0.0375	-	-
Chloridazon	µg/l	0.246	± 0.0367	0.242	0.016	0.0458	98.5	-0.08
Chloridazon-desphenyl	µg/l	0.167	± 0.0231	0.163	0.021	0.0243	97.4	-0.18
Chloridazon-methyl-desphenyl	µg/l	0.0945	± 0.00989	-	-	0.00932	-	-
Clopyralid	µg/l	-	± -	-	-	-	-	-
Cyanazine	µg/l	0.809	± 0.078	0.761	0.048	0.09	94.1	-0.53
Dimethenamide	µg/l	0.253	± 0.0224	-	-	0.0198	-	-
Diuron	µg/l	0.721	± 0.0662	0.576	0.034	0.0825	79.9	-1.75
Metolachlor	µg/l	0.499	± 0.045	0.44	0.029	0.0541	88.2	-1.09
N,N-Dimethylsulfamide (DMS)	µg/l	0.315	± 0.0222	-	-	0.0181	-	-
Nicosulfurone	µg/l	0.209	± 0.0343	0.154	0.031	0.0362	73.8	-1.51
Prometryn	µg/l	0.737	± 0.0261	0.691	0.053	0.0246	93.8	-1.86
Propazine	µg/l	0.198	± 0.0184	0.21	0.012	0.0237	106	0.51
Sebuthylazine	µg/l	-	± -	-	-	-	-	-
Simazine	µg/l	0.138	± 0.0119	0.15	0.009	0.0159	108	0.73
Terbuthylazine	µg/l	0.161	± 0.0131	0.166	0.015	0.0185	103	0.29
Terbuthylazin-desethyl	µg/l	0.848	± 0.0899	0.863	0.139	0.108	102	0.14
Terbutryn	µg/l	0.77	± 0.0585	0.76	0.038	0.0756	98.8	-0.13

Sample: H100B

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
2,6-Dichlorobenzamide	µg/l	0.809	± 0.0588	0.847	0.141	0.0734	105	0.52
Alachlor	µg/l	-	± -	-	-	-	-	-
Atrazine	µg/l	0.636	± 0.0271	0.643	0.075	0.0383	101	0.19
Atrazine-desethyl	µg/l	0.389	± 0.0254	0.418	0.066	0.0338	107	0.86
Atrazine-desethyl-desisopropyl	µg/l	-	± -	-	-	-	-	-
Atrazine-desisopropyl	µg/l	0.557	± 0.0613	0.704	0.062	0.0791	126	1.85
Bromacil	µg/l	0.403	± 0.029	-	-	0.029	-	-

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
Chloridazon	µg/l	0.629	± 0.106	0.753	0.05	0.132	120	0.94
Chloridazon-desphenyl	µg/l	0.435	± 0.0609	0.397	0.051	0.0642	91.3	-0.59
Chloridazon-methyl-desphenyl	µg/l	0.0287	± 0.00374	-	-	0.0033	-	-
Clopyralid	µg/l	0.91	± 0.294	-	-	0.24	-	-
Cyanazine	µg/l	0.277	± 0.0244	0.317	0.02	0.0293	114	1.35
Dimethenamide	µg/l	0.163	± 0.0139	-	-	0.0123	-	-
Diuron	µg/l	-	± -	<0.005	-	-	-	-
Metolachlor	µg/l	0.501	± 0.0546	0.462	0.03	0.0681	92.3	-0.57
N,N-Dimethylsulfamide (DMS)	µg/l	0.943	± 0.0849	-	-	0.0749	-	-
Nicosulfurone	µg/l	0.649	± 0.112	0.493	0.1	0.112	76	-1.40
Prometryn	µg/l	0.296	± 0.0277	0.296	0.023	0.0306	100	0.00
Propazine	µg/l	0.203	± 0.0209	0.347	0.019	0.0251	171	5.74
Sebuthylazine	µg/l	0.434	± 0.02	-	-	0.02	-	-
Simazine	µg/l	0.215	± 0.0167	0.26	0.015	0.0222	121	2.04
Terbuthylazine	µg/l	0.782	± 0.0652	1.046	0.094	0.0922	134	2.86
Terbuthylazin-desethyl	µg/l	0.43	± 0.0495	0.471	0.076	0.0595	110	0.69
Terbutryn	µg/l	0.754	± 0.0595	0.863	0.043	0.0768	114	1.42


Sample
H100 A
H100 B
2,6-Dichlorobenzamide
Atrazine
Atrazine-desethyl
Atrazine-desisopropyl
Chloridazon
Chloridazon-desphenyl
Cyanazine
Diuron
Metolachlor
Nicosulfurone
Prometryn
Propazine
Simazine
Terbuthylazine
Terbuthylazin-desethyl
Terbutryn
Measurand
5.7
2.0
2.9
-2
0
2
-2
0
2
z-score

The following results were achieved:

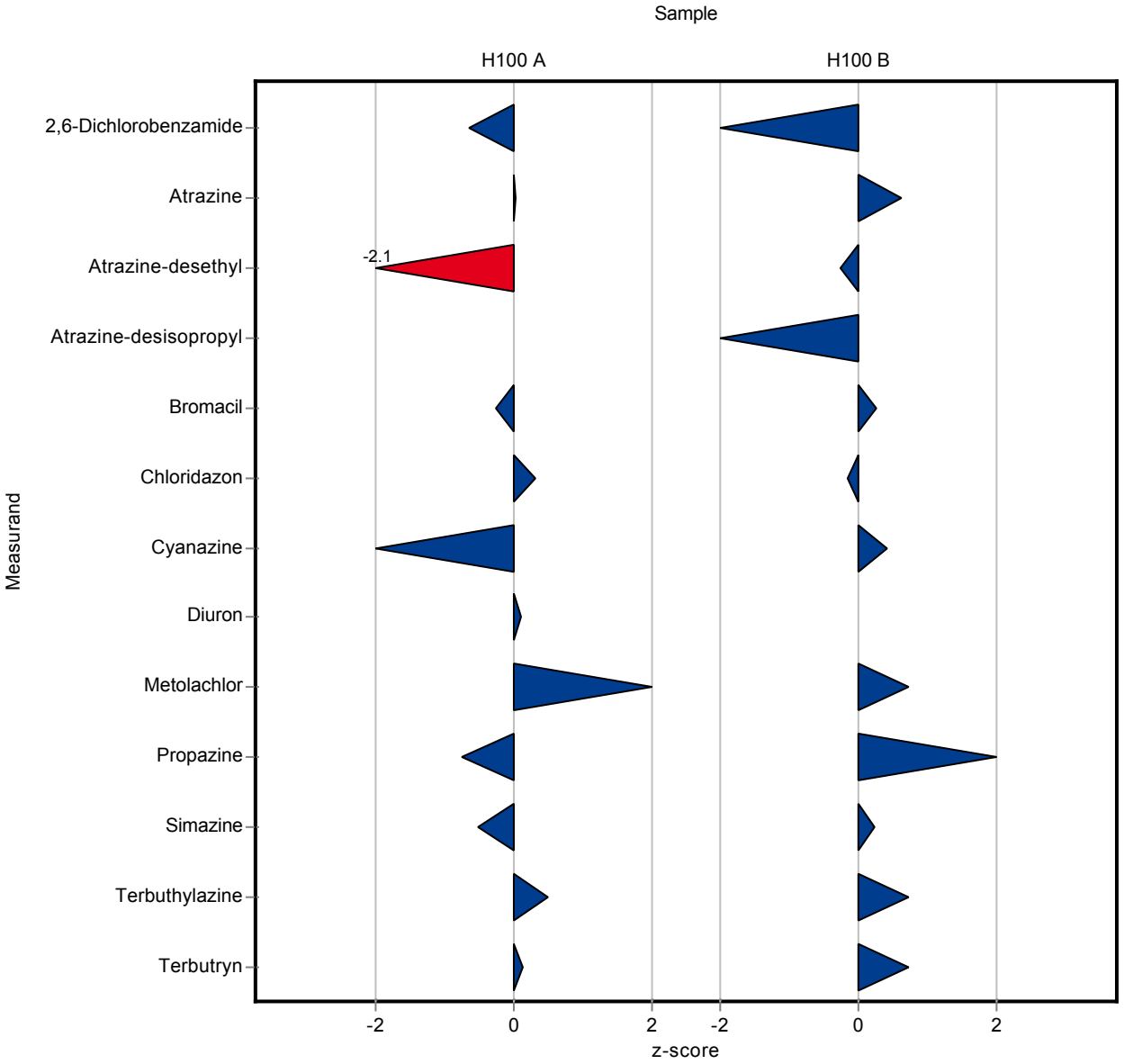
Sample: H100A

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
2,6-Dichlorobenzamide	µg/l	0.424	± 0.0518	0.38	0.11	0.0669	89.7	-0.65
Alachlor	µg/l	0.367	± 0.0714	-	-	0.0673	-	-
Atrazine	µg/l	0.329	± 0.0149	0.33	0.1	0.0211	100	0.03
Atrazine-desethyl	µg/l	0.977	± 0.0738	0.76	0.23	0.101	77.8	-2.14
Atrazine-desethyl-desisopropyl	µg/l	-	± -	-	-	-	-	-
Atrazine-desisopropyl	µg/l	-	± -	<0.003	-	-	-	-
Bromacil	µg/l	0.46	± 0.0375	0.45	0.14	0.0375	97.8	-0.27
Chloridazon	µg/l	0.246	± 0.0367	0.26	0.08	0.0458	106	0.31
Chloridazon-desphenyl	µg/l	0.167	± 0.0231	-	-	0.0243	-	-
Chloridazon-methyl-desphenyl	µg/l	0.0945	± 0.00989	-	-	0.00932	-	-
Clopyralid	µg/l	-	± -	-	-	-	-	-
Cyanazine	µg/l	0.809	± 0.078	0.65	0.2	0.09	80.4	-1.76
Dimethenamide	µg/l	0.253	± 0.0224	-	-	0.0198	-	-
Diuron	µg/l	0.721	± 0.0662	0.73	0.22	0.0825	101	0.12
Metolachlor	µg/l	0.499	± 0.045	0.57	0.17	0.0541	114	1.31
N,N-Dimethylsulfamide (DMS)	µg/l	0.315	± 0.0222	-	-	0.0181	-	-
Nicosulfurone	µg/l	0.209	± 0.0343	-	-	0.0362	-	-
Prometryn	µg/l	0.737	± 0.0261	-	-	0.0246	-	-
Propazine	µg/l	0.198	± 0.0184	0.18	0.05	0.0237	90.9	-0.76
Sebuthylazine	µg/l	-	± -	-	-	-	-	-
Simazine	µg/l	0.138	± 0.0119	0.13	0.04	0.0159	93.9	-0.53
Terbuthylazine	µg/l	0.161	± 0.0131	0.17	0.05	0.0185	106	0.50
Terbuthylazin-desethyl	µg/l	0.848	± 0.0899	-	-	0.108	-	-
Terbutryn	µg/l	0.77	± 0.0585	0.78	0.23	0.0756	101	0.14

Sample: H100B

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
2,6-Dichlorobenzamide	µg/l	0.809	± 0.0588	0.68	0.2	0.0734	84.1	-1.75
Alachlor	µg/l	-	± -	-	-	-	-	-
Atrazine	µg/l	0.636	± 0.0271	0.66	0.2	0.0383	104	0.64
Atrazine-desethyl	µg/l	0.389	± 0.0254	0.38	0.11	0.0338	97.7	-0.26
Atrazine-desethyl-desisopropyl	µg/l	-	± -	-	-	-	-	-
Atrazine-desisopropyl	µg/l	0.557	± 0.0613	0.45	0.14	0.0791	80.7	-1.36
Bromacil	µg/l	0.403	± 0.029	0.41	0.12	0.029	102	0.25

Parameter	Unit	Target	±	CI(99%)	Result	± U	Criteria	Recovery	z-score
Chloridazon	µg/l	0.629	±	0.106	0.61	0.18	0.132	97	-0.14
Chloridazon-desphenyl	µg/l	0.435	±	0.0609	-	-	0.0642	-	-
Chloridazon-methyl-desphenyl	µg/l	0.0287	±	0.00374	-	-	0.0033	-	-
Clopyralid	µg/l	0.91	±	0.294	-	-	0.24	-	-
Cyanazine	µg/l	0.277	±	0.0244	0.29	0.09	0.0293	105	0.43
Dimethenamide	µg/l	0.163	±	0.0139	-	-	0.0123	-	-
Diuron	µg/l	-	±	-	<0.003	-	-	-	-
Metolachlor	µg/l	0.501	±	0.0546	0.55	0.17	0.0681	110	0.72
N,N-Dimethylsulfamide (DMS)	µg/l	0.943	±	0.0849	-	-	0.0749	-	-
Nicosulfurone	µg/l	0.649	±	0.112	-	-	0.112	-	-
Prometryn	µg/l	0.296	±	0.0277	-	-	0.0306	-	-
Propazine	µg/l	0.203	±	0.0209	0.25	0.08	0.0251	123	1.88
Sebuthylazine	µg/l	0.434	±	0.02	-	-	0.02	-	-
Simazine	µg/l	0.215	±	0.0167	0.22	0.07	0.0222	102	0.23
Terbuthylazine	µg/l	0.782	±	0.0652	0.85	0.26	0.0922	109	0.74
Terbuthylazin-desethyl	µg/l	0.43	±	0.0495	-	-	0.0595	-	-
Terbutryn	µg/l	0.754	±	0.0595	0.81	0.24	0.0768	107	0.72


Sample
H100 A
H100 B
2,6-Dichlorobenzamide
Atrazine
Atrazine-desethyl
Atrazine-desisopropyl
Bromacil
Chloridazon
Cyanazine
Diuron
Metolachlor
Propazine
Simazine
Terbuthylazine
Terbutryn
Measurand
-2.1
-2
0
2
-2
0
2
z-score

The following results were achieved:

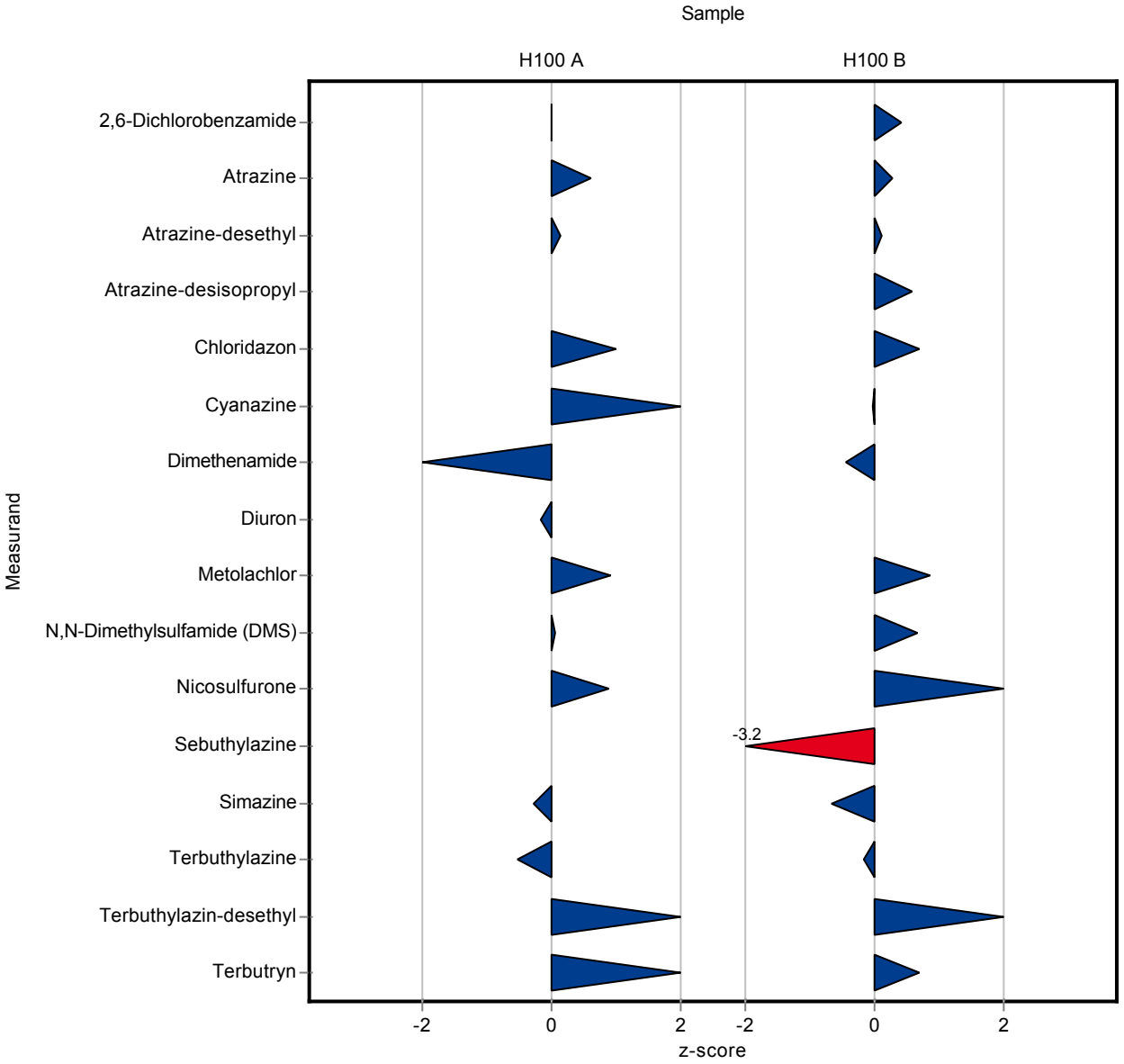
Sample: H100A

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
2,6-Dichlorobenzamide	µg/l	0.424	± 0.0518	0.423	-	0.0669	99.9	-0.01
Alachlor	µg/l	0.367	± 0.0714	-	-	0.0673	-	-
Atrazine	µg/l	0.329	± 0.0149	0.342	-	0.0211	104	0.60
Atrazine-desethyl	µg/l	0.977	± 0.0738	0.99	-	0.101	101	0.13
Atrazine-desethyl-desisopropyl	µg/l	-	± -	-	-	-	-	-
Atrazine-desisopropyl	µg/l	-	± -	-	-	-	-	-
Bromacil	µg/l	0.46	± 0.0375	-	-	0.0375	-	-
Chloridazon	µg/l	0.246	± 0.0367	0.291	-	0.0458	118	0.99
Chloridazon-desphenyl	µg/l	0.167	± 0.0231	-	-	0.0243	-	-
Chloridazon-methyl-desphenyl	µg/l	0.0945	± 0.00989	-	-	0.00932	-	-
Clopyralid	µg/l	-	± -	-	-	-	-	-
Cyanazine	µg/l	0.809	± 0.078	0.946	-	0.09	117	1.53
Dimethenamide	µg/l	0.253	± 0.0224	0.232	-	0.0198	91.8	-1.05
Diuron	µg/l	0.721	± 0.0662	0.706	-	0.0825	98	-0.18
Metolachlor	µg/l	0.499	± 0.045	0.549	-	0.0541	110	0.93
N,N-Dimethylsulfamide (DMS)	µg/l	0.315	± 0.0222	0.316	-	0.0181	100	0.06
Nicosulfurone	µg/l	0.209	± 0.0343	0.241	-	0.0362	116	0.90
Prometryn	µg/l	0.737	± 0.0261	-	-	0.0246	-	-
Propazine	µg/l	0.198	± 0.0184	-	-	0.0237	-	-
Sebuthylazine	µg/l	-	± -	-	-	-	-	-
Simazine	µg/l	0.138	± 0.0119	0.134	-	0.0159	96.8	-0.28
Terbuthylazine	µg/l	0.161	± 0.0131	0.151	-	0.0185	94	-0.53
Terbuthylazin-desethyl	µg/l	0.848	± 0.0899	1.019	-	0.108	120	1.59
Terbutryn	µg/l	0.77	± 0.0585	0.864	-	0.0756	112	1.25

Sample: H100B

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
2,6-Dichlorobenzamide	µg/l	0.809	± 0.0588	0.84	-	0.0734	104	0.43
Alachlor	µg/l	-	± -	-	-	-	-	-
Atrazine	µg/l	0.636	± 0.0271	0.646	-	0.0383	102	0.27
Atrazine-desethyl	µg/l	0.389	± 0.0254	0.393	-	0.0338	101	0.12
Atrazine-desethyl-desisopropyl	µg/l	-	± -	-	-	-	-	-
Atrazine-desisopropyl	µg/l	0.557	± 0.0613	0.604	-	0.0791	108	0.59
Bromacil	µg/l	0.403	± 0.029	-	-	0.029	-	-

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
Chloridazon	µg/l	0.629	± 0.106	0.722	-	0.132	115	0.71
Chloridazon-desphenyl	µg/l	0.435	± 0.0609	-	-	0.0642	-	-
Chloridazon-methyl-desphenyl	µg/l	0.0287	± 0.00374	-	-	0.0033	-	-
Clopyralid	µg/l	0.91	± 0.294	-	-	0.24	-	-
Cyanazine	µg/l	0.277	± 0.0244	0.277	-	0.0293	99.8	-0.02
Dimethenamide	µg/l	0.163	± 0.0139	0.158	-	0.0123	96.7	-0.44
Diuron	µg/l	-	± -	-	-	-	-	-
Metolachlor	µg/l	0.501	± 0.0546	0.56	-	0.0681	112	0.87
N,N-Dimethylsulfamide (DMS)	µg/l	0.943	± 0.0849	0.993	-	0.0749	105	0.67
Nicosulfurone	µg/l	0.649	± 0.112	0.859	-	0.112	132	1.88
Prometryn	µg/l	0.296	± 0.0277	-	-	0.0306	-	-
Propazine	µg/l	0.203	± 0.0209	-	-	0.0251	-	-
Sebuthylazine	µg/l	0.434	± 0.02	0.369	-	0.02	85.1	-3.25
Simazine	µg/l	0.215	± 0.0167	0.2	-	0.0222	93.1	-0.67
Terbuthylazine	µg/l	0.782	± 0.0652	0.766	-	0.0922	98	-0.17
Terbuthylazin-desethyl	µg/l	0.43	± 0.0495	0.505	-	0.0595	117	1.26
Terbutryn	µg/l	0.754	± 0.0595	0.807	-	0.0768	107	0.69


Sample
H100 A
H100 B
2,6-Dichlorobenzamide
Atrazine
Atrazine-desethyl
Atrazine-desisopropyl
Chloridazon
Cyanazine
Dimethenamide
Diuron
Metolachlor
N,N-Dimethylsulfamide (DMS)
Nicosulfurone
Sebuthylazine
Simazine
Terbuthylazine
Terbuthylazin-desethyl
Terbutryn
Measurand
-3.2
-2
0
2
-2
0
2
z-score

The following results were achieved:

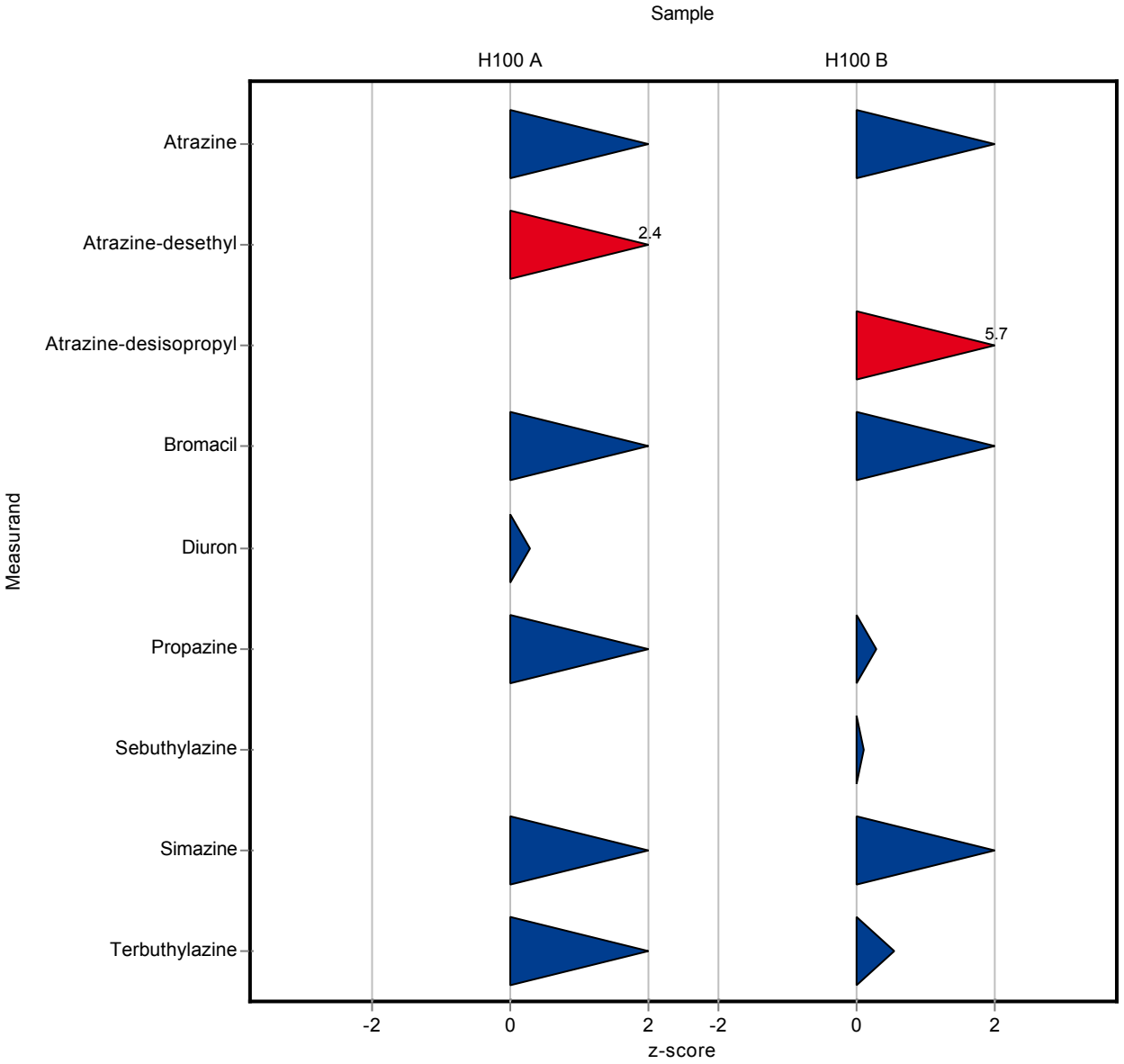
Sample: H100A

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
2,6-Dichlorobenzamide	µg/l	0.424	± 0.0518	-	-	0.0669	-	-
Alachlor	µg/l	0.367	± 0.0714	-	-	0.0673	-	-
Atrazine	µg/l	0.329	± 0.0149	0.36	0.061	0.0211	109	1.45
Atrazine-desethyl	µg/l	0.977	± 0.0738	1.22	0.207	0.101	125	2.40
Atrazine-desethyl-desisopropyl	µg/l	-	± -	-	-	-	-	-
Atrazine-desisopropyl	µg/l	-	± -	<0.02 (LOQ)	-	-	-	-
Bromacil	µg/l	0.46	± 0.0375	0.505	0.085	0.0375	110	1.20
Chloridazon	µg/l	0.246	± 0.0367	-	-	0.0458	-	-
Chloridazon-desphenyl	µg/l	0.167	± 0.0231	-	-	0.0243	-	-
Chloridazon-methyl-desphenyl	µg/l	0.0945	± 0.00989	-	-	0.00932	-	-
Clopyralid	µg/l	-	± -	-	-	-	-	-
Cyanazine	µg/l	0.809	± 0.078	-	-	0.09	-	-
Dimethenamide	µg/l	0.253	± 0.0224	-	-	0.0198	-	-
Diuron	µg/l	0.721	± 0.0662	0.745	0.082	0.0825	103	0.30
Metolachlor	µg/l	0.499	± 0.045	-	-	0.0541	-	-
N,N-Dimethylsulfamide (DMS)	µg/l	0.315	± 0.0222	-	-	0.0181	-	-
Nicosulfurone	µg/l	0.209	± 0.0343	-	-	0.0362	-	-
Prometryn	µg/l	0.737	± 0.0261	-	-	0.0246	-	-
Propazine	µg/l	0.198	± 0.0184	0.226	0.033	0.0237	114	1.18
Sebuthylazine	µg/l	-	± -	<0.02 (LOQ)	-	-	-	-
Simazine	µg/l	0.138	± 0.0119	0.155	0.033	0.0159	112	1.04
Terbuthylazine	µg/l	0.161	± 0.0131	0.191	0.036	0.0185	119	1.64
Terbuthylazin-desethyl	µg/l	0.848	± 0.0899	-	-	0.108	-	-
Terbutryn	µg/l	0.77	± 0.0585	-	-	0.0756	-	-

Sample: H100B

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
2,6-Dichlorobenzamide	µg/l	0.809	± 0.0588	-	-	0.0734	-	-
Alachlor	µg/l	-	± -	-	-	-	-	-
Atrazine	µg/l	0.636	± 0.0271	0.698	0.119	0.0383	110	1.63
Atrazine-desethyl	µg/l	0.389	± 0.0254	-	-	0.0338	-	-
Atrazine-desethyl-desisopropyl	µg/l	-	± -	-	-	-	-	-
Atrazine-desisopropyl	µg/l	0.557	± 0.0613	1.008	0.242	0.0791	181	5.70
Bromacil	µg/l	0.403	± 0.029	0.45	0.077	0.029	112	1.63

Parameter	Unit	Target	±	CI(99%)	Result	± U	Criteria	Recovery	z-score
Chloridazon	µg/l	0.629	±	0.106	-	-	0.132	-	-
Chloridazon-desphenyl	µg/l	0.435	±	0.0609	-	-	0.0642	-	-
Chloridazon-methyl-desphenyl	µg/l	0.0287	±	0.00374	-	-	0.0033	-	-
Clopyralid	µg/l	0.91	±	0.294	-	-	0.24	-	-
Cyanazine	µg/l	0.277	±	0.0244	-	-	0.0293	-	-
Dimethenamide	µg/l	0.163	±	0.0139	-	-	0.0123	-	-
Diuron	µg/l	-	±	-	<0.02 (LOQ)	-	-	-	-
Metolachlor	µg/l	0.501	±	0.0546	-	-	0.0681	-	-
N,N-Dimethylsulfamide (DMS)	µg/l	0.943	±	0.0849	-	-	0.0749	-	-
Nicosulfurone	µg/l	0.649	±	0.112	-	-	0.112	-	-
Prometryn	µg/l	0.296	±	0.0277	-	-	0.0306	-	-
Propazine	µg/l	0.203	±	0.0209	0.21	0.032	0.0251	103	0.28
Sebuthylazine	µg/l	0.434	±	0.02	0.436	0.087	0.02	101	0.11
Simazine	µg/l	0.215	±	0.0167	0.245	0.051	0.0222	114	1.36
Terbuthylazine	µg/l	0.782	±	0.0652	0.833	0.158	0.0922	107	0.55
Terbuthylazin-desethyl	µg/l	0.43	±	0.0495	-	-	0.0595	-	-
Terbutryn	µg/l	0.754	±	0.0595	-	-	0.0768	-	-


Sample
H100 A
H100 B
Atrazine
Atrazine-desethyl
Atrazine-desisopropyl
Bromacil
Diuron
Propazine
Sebuthylazine
Simazine
Terbuthylazine
Measurand
2.4
5.7
-2
0
2
-2
0
2
z-score

The following results were achieved:

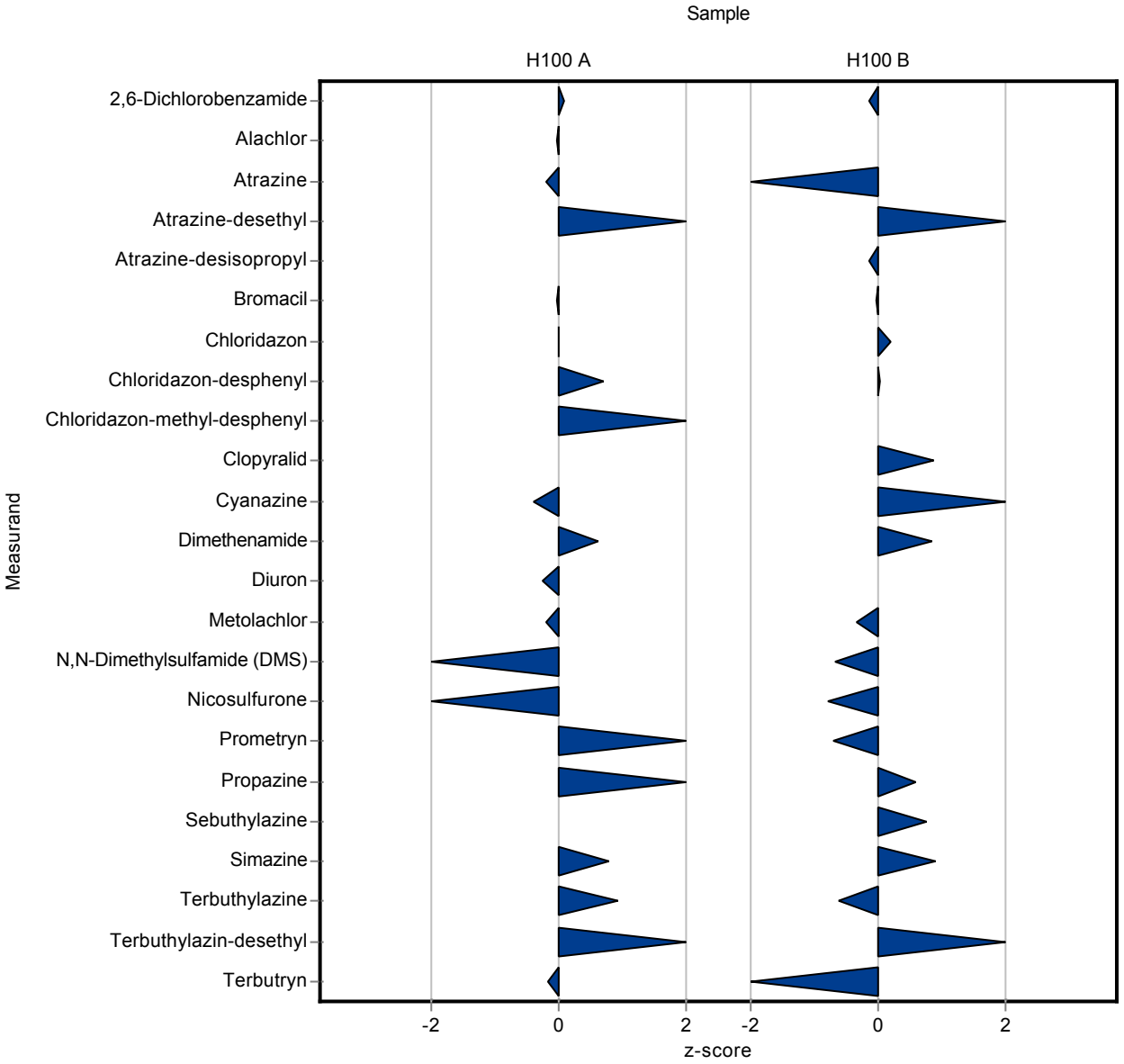
Sample: H100A

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
2,6-Dichlorobenzamide	µg/l	0.424	± 0.0518	0.428	0.064	0.0669	101	0.07
Alachlor	µg/l	0.367	± 0.0714	0.364	0.037	0.0673	99.1	-0.05
Atrazine	µg/l	0.329	± 0.0149	0.325	0.033	0.0211	98.7	-0.20
Atrazine-desethyl	µg/l	0.977	± 0.0738	1.08	0.11	0.101	111	1.02
Atrazine-desethyl-desisopropyl	µg/l	-	± -	0.355	0.053	-	-	-
Atrazine-desisopropyl	µg/l	-	± -	<0.03 (LOQ)	-	-	-	-
Bromacil	µg/l	0.46	± 0.0375	0.459	0.06	0.0375	99.8	-0.03
Chloridazon	µg/l	0.246	± 0.0367	0.246	0.037	0.0458	100	0.00
Chloridazon-desphenyl	µg/l	0.167	± 0.0231	0.184	0.03	0.0243	110	0.69
Chloridazon-methyl-desphenyl	µg/l	0.0945	± 0.00989	0.104	0.015	0.00932	110	1.02
Clopyralid	µg/l	-	± -	0.509	0.076	-	-	-
Cyanazine	µg/l	0.809	± 0.078	0.773	0.078	0.09	95.6	-0.40
Dimethenamide	µg/l	0.253	± 0.0224	0.265	0.04	0.0198	105	0.62
Diuron	µg/l	0.721	± 0.0662	0.698	0.105	0.0825	96.9	-0.27
Metolachlor	µg/l	0.499	± 0.045	0.488	0.049	0.0541	97.8	-0.20
N,N-Dimethylsulfamide (DMS)	µg/l	0.315	± 0.0222	0.281	0.042	0.0181	89.3	-1.87
Nicosulfurone	µg/l	0.209	± 0.0343	0.16	0.024	0.0362	76.7	-1.34
Prometryn	µg/l	0.737	± 0.0261	0.775	0.116	0.0246	105	1.56
Propazine	µg/l	0.198	± 0.0184	0.227	0.023	0.0237	115	1.22
Sebuthylazine	µg/l	-	± -	<0.03 (LOQ)	-	-	-	-
Simazine	µg/l	0.138	± 0.0119	0.151	0.016	0.0159	109	0.79
Terbuthylazine	µg/l	0.161	± 0.0131	0.178	0.018	0.0185	111	0.94
Terbuthylazin-desethyl	µg/l	0.848	± 0.0899	0.977	0.098	0.108	115	1.20
Terbutryn	µg/l	0.77	± 0.0585	0.756	0.113	0.0756	98.2	-0.18

Sample: H100B

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
2,6-Dichlorobenzamide	µg/l	0.809	± 0.0588	0.798	0.12	0.0734	98.7	-0.14
Alachlor	µg/l	-	± -	0.814	0.082	-	-	-
Atrazine	µg/l	0.636	± 0.0271	0.59	0.059	0.0383	92.8	-1.19
Atrazine-desethyl	µg/l	0.389	± 0.0254	0.43	0.043	0.0338	111	1.21
Atrazine-desethyl-desisopropyl	µg/l	-	± -	0.666	0.1	-	-	-
Atrazine-desisopropyl	µg/l	0.557	± 0.0613	0.546	0.055	0.0791	98	-0.14
Bromacil	µg/l	0.403	± 0.029	0.402	0.06	0.029	99.8	-0.02

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
Chloridazon	µg/l	0.629	± 0.106	0.655	0.1	0.132	104	0.20
Chloridazon-desphenyl	µg/l	0.435	± 0.0609	0.436	0.065	0.0642	100	0.02
Chloridazon-methyl-desphenyl	µg/l	0.0287	± 0.00374	<0.05 (LOQ)	-	0.0033	-	-
Clopyralid	µg/l	0.91	± 0.294	1.119	0.168	0.24	123	0.87
Cyanazine	µg/l	0.277	± 0.0244	0.323	0.033	0.0293	116	1.56
Dimethenamide	µg/l	0.163	± 0.0139	0.174	0.026	0.0123	106	0.86
Diuron	µg/l	-	± -	<0.03 (LOQ)	-	-	-	-
Metolachlor	µg/l	0.501	± 0.0546	0.478	0.048	0.0681	95.5	-0.33
N,N-Dimethylsulfamide (DMS)	µg/l	0.943	± 0.0849	0.892	0.134	0.0749	94.6	-0.68
Nicosulfurone	µg/l	0.649	± 0.112	0.562	0.084	0.112	86.6	-0.78
Prometryn	µg/l	0.296	± 0.0277	0.275	0.041	0.0306	92.9	-0.69
Propazine	µg/l	0.203	± 0.0209	0.218	0.022	0.0251	107	0.60
Sebuthylazine	µg/l	0.434	± 0.02	0.449	0.045	0.02	104	0.76
Simazine	µg/l	0.215	± 0.0167	0.235	0.024	0.0222	109	0.91
Terbuthylazine	µg/l	0.782	± 0.0652	0.725	0.073	0.0922	92.7	-0.62
Terbuthylazin-desethyl	µg/l	0.43	± 0.0495	0.49	0.049	0.0595	114	1.01
Terbutryn	µg/l	0.754	± 0.0595	0.673	0.101	0.0768	89.2	-1.06


Sample
H100 A
H100 B
2,6-Dichlorobenzamide
Alachlor
Atrazine
Atrazine-desethyl
Atrazine-desisopropyl
Bromacil
Chloridazon
Chloridazon-desphenyl
Chloridazon-methyl-desphenyl
Clopyralid
Cyanazine
Dimethenamide
Diuron
Metolachlor
N,N-Dimethylsulfamide (DMS)
Nicosulfurone
Prometryn
Propazine
Sebuthylazine
Simazine
Terbuthylazine
Terbuthylazin-desethyl
Terbutryn
Measurand
-2
0
2
-2
0
2
z-score

The following results were achieved:

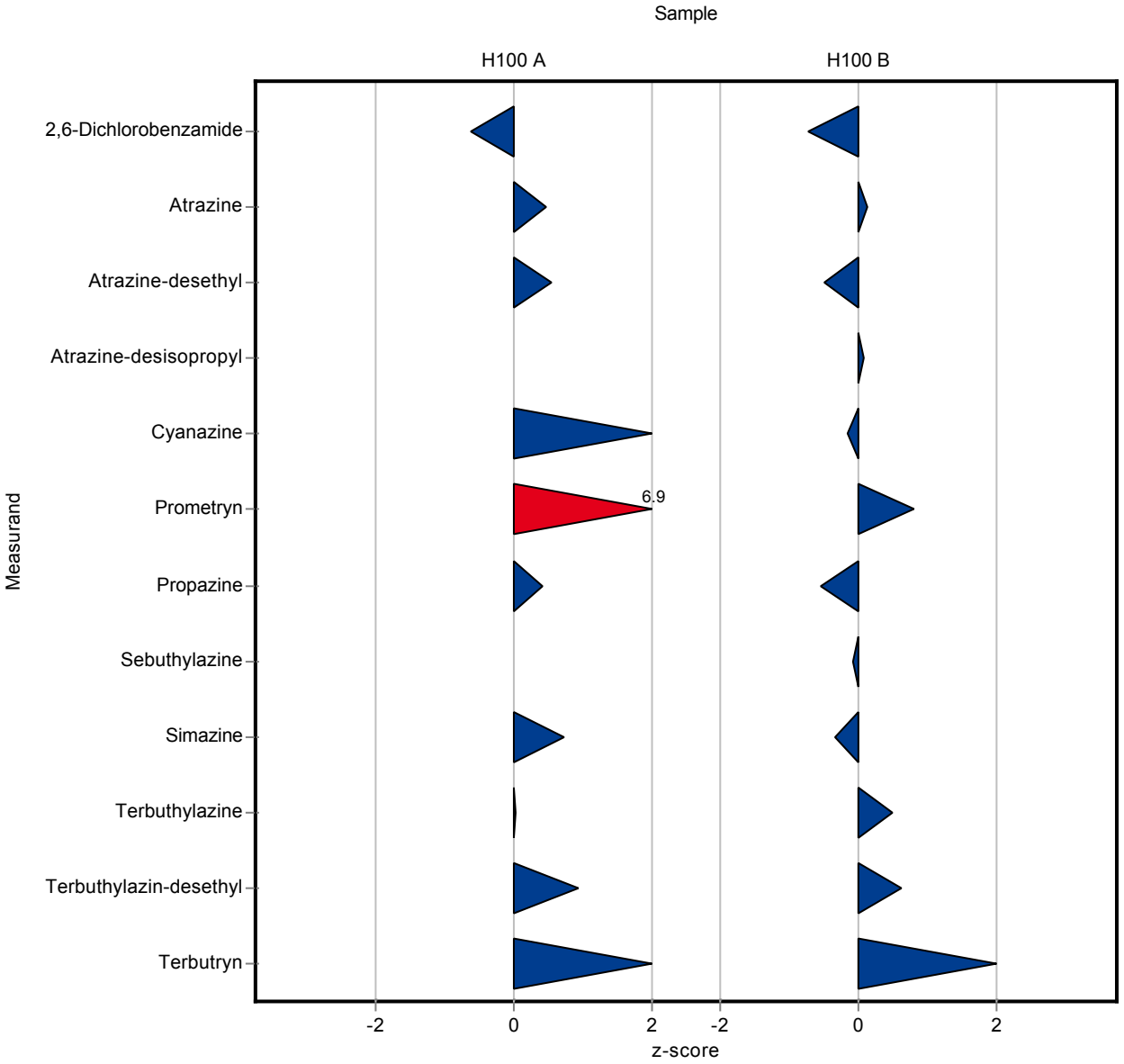
Sample: H100A

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
2,6-Dichlorobenzamide	µg/l	0.424	± 0.0518	0.382	0.014	0.0669	90.2	-0.62
Alachlor	µg/l	0.367	± 0.0714	-	-	0.0673	-	-
Atrazine	µg/l	0.329	± 0.0149	0.339	0.008	0.0211	103	0.46
Atrazine-desethyl	µg/l	0.977	± 0.0738	1.032	0.013	0.101	106	0.54
Atrazine-desethyl-desisopropyl	µg/l	-	± -	-	-	-	-	-
Atrazine-desisopropyl	µg/l	-	± -	<0.01 (LOD)	-	-	-	-
Bromacil	µg/l	0.46	± 0.0375	-	-	0.0375	-	-
Chloridazon	µg/l	0.246	± 0.0367	-	-	0.0458	-	-
Chloridazon-desphenyl	µg/l	0.167	± 0.0231	-	-	0.0243	-	-
Chloridazon-methyl-desphenyl	µg/l	0.0945	± 0.00989	-	-	0.00932	-	-
Clopyralid	µg/l	-	± -	-	-	-	-	-
Cyanazine	µg/l	0.809	± 0.078	0.918	0.012	0.09	114	1.21
Dimethenamide	µg/l	0.253	± 0.0224	-	-	0.0198	-	-
Diuron	µg/l	0.721	± 0.0662	-	-	0.0825	-	-
Metolachlor	µg/l	0.499	± 0.045	-	-	0.0541	-	-
N,N-Dimethylsulfamide (DMS)	µg/l	0.315	± 0.0222	-	-	0.0181	-	-
Nicosulfurone	µg/l	0.209	± 0.0343	-	-	0.0362	-	-
Prometryn	µg/l	0.737	± 0.0261	0.907	0.01	0.0246	123	6.93
Propazine	µg/l	0.198	± 0.0184	0.208	0.006	0.0237	105	0.42
Sebuthylazine	µg/l	-	± -	<0.008 (LOD)	-	-	-	-
Simazine	µg/l	0.138	± 0.0119	0.15	0.011	0.0159	108	0.73
Terbuthylazine	µg/l	0.161	± 0.0131	0.161	0.007	0.0185	100	0.01
Terbuthylazin-desethyl	µg/l	0.848	± 0.0899	0.948	0.009	0.108	112	0.93
Terbutryn	µg/l	0.77	± 0.0585	0.916	0.013	0.0756	119	1.94

Sample: H100B

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
2,6-Dichlorobenzamide	µg/l	0.809	± 0.0588	0.756	0.016	0.0734	93.5	-0.72
Alachlor	µg/l	-	± -	-	-	-	-	-
Atrazine	µg/l	0.636	± 0.0271	0.641	0.008	0.0383	101	0.14
Atrazine-desethyl	µg/l	0.389	± 0.0254	0.372	0.01	0.0338	95.6	-0.50
Atrazine-desethyl-desisopropyl	µg/l	-	± -	-	-	-	-	-
Atrazine-desisopropyl	µg/l	0.557	± 0.0613	0.564	0.007	0.0791	101	0.08
Bromacil	µg/l	0.403	± 0.029	-	-	0.029	-	-

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
Chloridazon	µg/l	0.629	± 0.106	-	-	0.132	-	-
Chloridazon-desphenyl	µg/l	0.435	± 0.0609	-	-	0.0642	-	-
Chloridazon-methyl-desphenyl	µg/l	0.0287	± 0.00374	-	-	0.0033	-	-
Clopyralid	µg/l	0.91	± 0.294	-	-	0.24	-	-
Cyanazine	µg/l	0.277	± 0.0244	0.273	0.008	0.0293	98.4	-0.15
Dimethenamide	µg/l	0.163	± 0.0139	-	-	0.0123	-	-
Diuron	µg/l	-	± -	-	-	-	-	-
Metolachlor	µg/l	0.501	± 0.0546	-	-	0.0681	-	-
N,N-Dimethylsulfamide (DMS)	µg/l	0.943	± 0.0849	-	-	0.0749	-	-
Nicosulfurone	µg/l	0.649	± 0.112	-	-	0.112	-	-
Prometryn	µg/l	0.296	± 0.0277	0.321	0.008	0.0306	108	0.81
Propazine	µg/l	0.203	± 0.0209	0.189	0.006	0.0251	93.1	-0.56
Sebuthylazine	µg/l	0.434	± 0.02	0.432	0.006	0.02	99.6	-0.09
Simazine	µg/l	0.215	± 0.0167	0.207	0.011	0.0222	96.4	-0.35
Terbuthylazine	µg/l	0.782	± 0.0652	0.827	0.009	0.0922	106	0.49
Terbuthylazin-desethyl	µg/l	0.43	± 0.0495	0.467	0.008	0.0595	109	0.63
Terbutryn	µg/l	0.754	± 0.0595	0.874	0.012	0.0768	116	1.56


Sample
H100 A
H100 B
2,6-Dichlorobenzamide
Atrazine
Atrazine-desethyl
Atrazine-desisopropyl
Cyanazine
Prometryn
Propazine
Sebuthylazine
Simazine
Terbuthylazine
Terbuthylazin-desethyl
Terbutryn
Measurand
6.9
-2
0
2
-2
0
2
z-score

The following results were achieved:

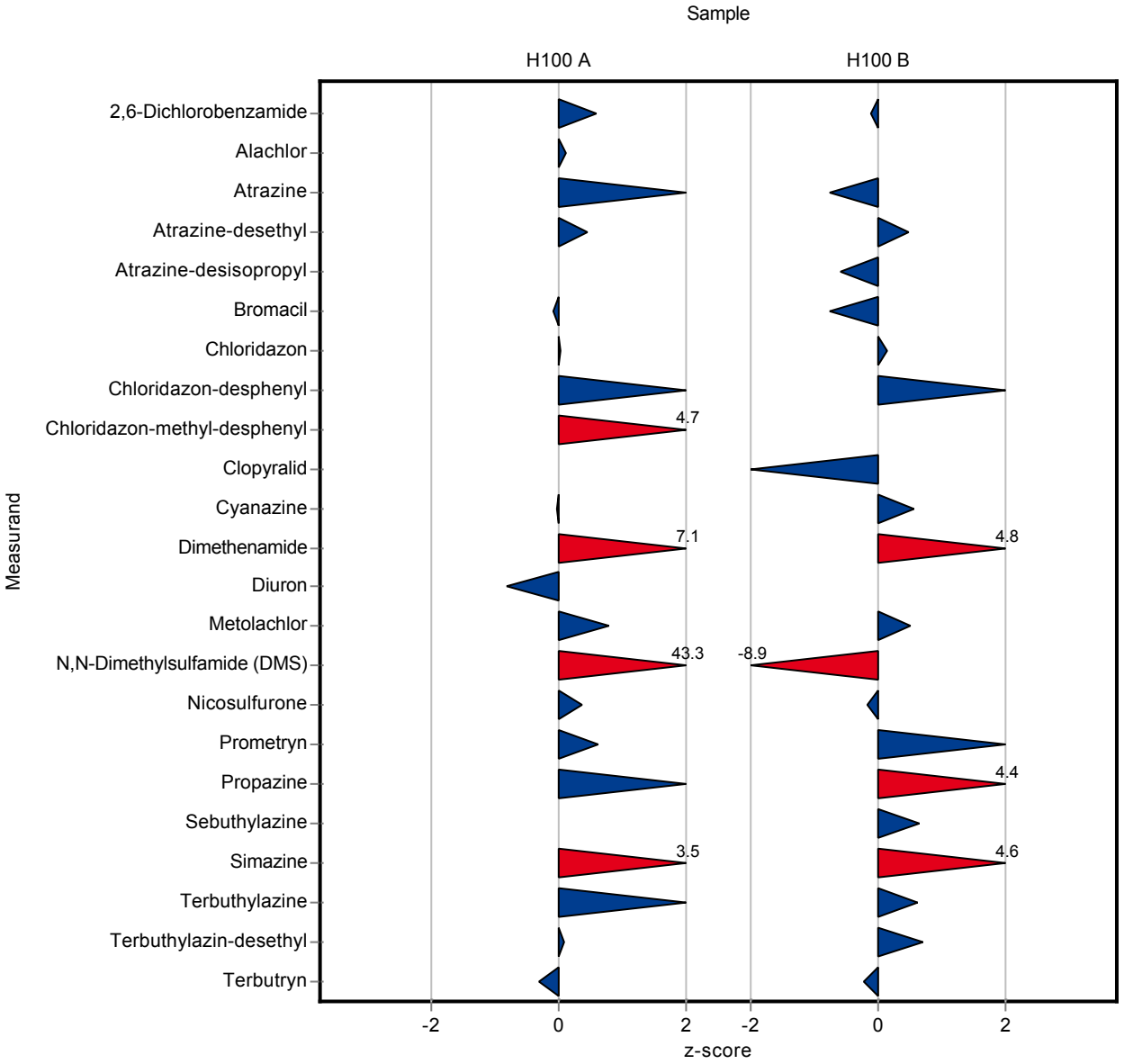
Sample: H100A

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
2,6-Dichlorobenzamide	µg/l	0.424	± 0.0518	0.462	0.0693	0.0669	109	0.57
Alachlor	µg/l	0.367	± 0.0714	0.375	0.05625	0.0673	102	0.12
Atrazine	µg/l	0.329	± 0.0149	0.356	0.0534	0.0211	108	1.26
Atrazine-desethyl	µg/l	0.977	± 0.0738	1.021	0.15315	0.101	105	0.43
Atrazine-desethyl-desisopropyl	µg/l	-	± -	0.479	0.07185	-	-	-
Atrazine-desisopropyl	µg/l	-	± -	<0.05 (LOQ)	-	-	-	-
Bromacil	µg/l	0.46	± 0.0375	0.457	0.06855	0.0375	99.3	-0.08
Chloridazon	µg/l	0.246	± 0.0367	0.247	0.03705	0.0458	100	0.03
Chloridazon-desphenyl	µg/l	0.167	± 0.0231	0.209	0.03135	0.0243	125	1.71
Chloridazon-methyl-desphenyl	µg/l	0.0945	± 0.00989	0.138	0.0207	0.00932	146	4.67
Clopyralid	µg/l	-	± -	0.129	0.01935	-	-	-
Cyanazine	µg/l	0.809	± 0.078	0.805	0.12075	0.09	99.5	-0.04
Dimethenamide	µg/l	0.253	± 0.0224	0.392	0.0588	0.0198	155	7.05
Diuron	µg/l	0.721	± 0.0662	0.653	0.09795	0.0825	90.6	-0.82
Metolachlor	µg/l	0.499	± 0.045	0.541	0.08115	0.0541	108	0.78
N,N-Dimethylsulfamide (DMS)	µg/l	0.315	± 0.0222	1.099	0.16485	0.0181	349	43.30
Nicosulfurone	µg/l	0.209	± 0.0343	0.222	0.0333	0.0362	106	0.37
Prometryn	µg/l	0.737	± 0.0261	0.752	0.1128	0.0246	102	0.62
Propazine	µg/l	0.198	± 0.0184	0.231	0.03465	0.0237	117	1.39
Sebuthylazine	µg/l	-	± -	<0.05 (LOQ)	-	-	-	-
Simazine	µg/l	0.138	± 0.0119	0.194	0.0291	0.0159	140	3.50
Terbuthylazine	µg/l	0.161	± 0.0131	0.194	0.0291	0.0185	121	1.80
Terbuthylazin-desethyl	µg/l	0.848	± 0.0899	0.855	0.12825	0.108	101	0.07
Terbutryn	µg/l	0.77	± 0.0585	0.745	0.11175	0.0756	96.8	-0.33

Sample: H100B

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
2,6-Dichlorobenzamide	µg/l	0.809	± 0.0588	0.8	0.12	0.0734	98.9	-0.12
Alachlor	µg/l	-	± -	0.77	0.1155	-	-	-
Atrazine	µg/l	0.636	± 0.0271	0.607	0.09105	0.0383	95.5	-0.75
Atrazine-desethyl	µg/l	0.389	± 0.0254	0.405	0.06075	0.0338	104	0.47
Atrazine-desethyl-desisopropyl	µg/l	-	± -	0.693	0.10395	-	-	-
Atrazine-desisopropyl	µg/l	0.557	± 0.0613	0.512	0.0768	0.0791	91.9	-0.57
Bromacil	µg/l	0.403	± 0.029	0.381	0.05715	0.029	94.6	-0.75

Parameter	Unit	Target	±	CI(99%)	Result	± U	Criteria	Recovery	z-score
Chloridazon	µg/l	0.629	±	0.106	0.65	0.0975	0.132	103	0.16
Chloridazon-desphenyl	µg/l	0.435	±	0.0609	0.519	0.07785	0.0642	119	1.31
Chloridazon-methyl-desphenyl	µg/l	0.0287	±	0.00374	<0.05 (LOQ)	-	0.0033	-	-
Clopyralid	µg/l	0.91	±	0.294	0.459	0.06885	0.24	50.4	-1.88
Cyanazine	µg/l	0.277	±	0.0244	0.294	0.0441	0.0293	106	0.56
Dimethenamide	µg/l	0.163	±	0.0139	0.222	0.0333	0.0123	136	4.77
Diuron	µg/l	-	±	-	<0.05 (LOQ)	-	-	-	-
Metolachlor	µg/l	0.501	±	0.0546	0.536	0.0804	0.0681	107	0.52
N,N-Dimethylsulfamide (DMS)	µg/l	0.943	±	0.0849	0.276	0.0414	0.0749	29.3	-8.91
Nicosulfurone	µg/l	0.649	±	0.112	0.632	0.0948	0.112	97.4	-0.15
Prometryn	µg/l	0.296	±	0.0277	0.338	0.0507	0.0306	114	1.37
Propazine	µg/l	0.203	±	0.0209	0.313	0.04695	0.0251	154	4.39
Sebuthylazine	µg/l	0.434	±	0.02	0.447	0.06705	0.02	103	0.66
Simazine	µg/l	0.215	±	0.0167	0.318	0.0477	0.0222	148	4.65
Terbuthylazine	µg/l	0.782	±	0.0652	0.839	0.12585	0.0922	107	0.62
Terbuthylazin-desethyl	µg/l	0.43	±	0.0495	0.472	0.0708	0.0595	110	0.71
Terbutryn	µg/l	0.754	±	0.0595	0.737	0.11055	0.0768	97.7	-0.23


Sample
H100 A
H100 B
Measurand
2,6-Dichlorobenzamide
Alachlor
Atrazine
Atrazine-desethyl
Atrazine-desisopropyl
Bromacil
Chloridazon
Chloridazon-desphenyl
Chloridazon-methyl-desphenyl
Clopyralid
Cyanazine
Dimethenamide
Diuron
Metolachlor
N,N-Dimethylsulfamide (DMS)
Nicosulfurone
Prometryn
Propazine
Sebuthylazine
Simazine
Terbuthylazine
Terbuthylazin-desethyl
Terbutryn
4.7
7.1
4.8
43.3
-8.9
4.4
3.5
4.6
-2
0
2
-2
0
2
z-score

The following results were achieved:

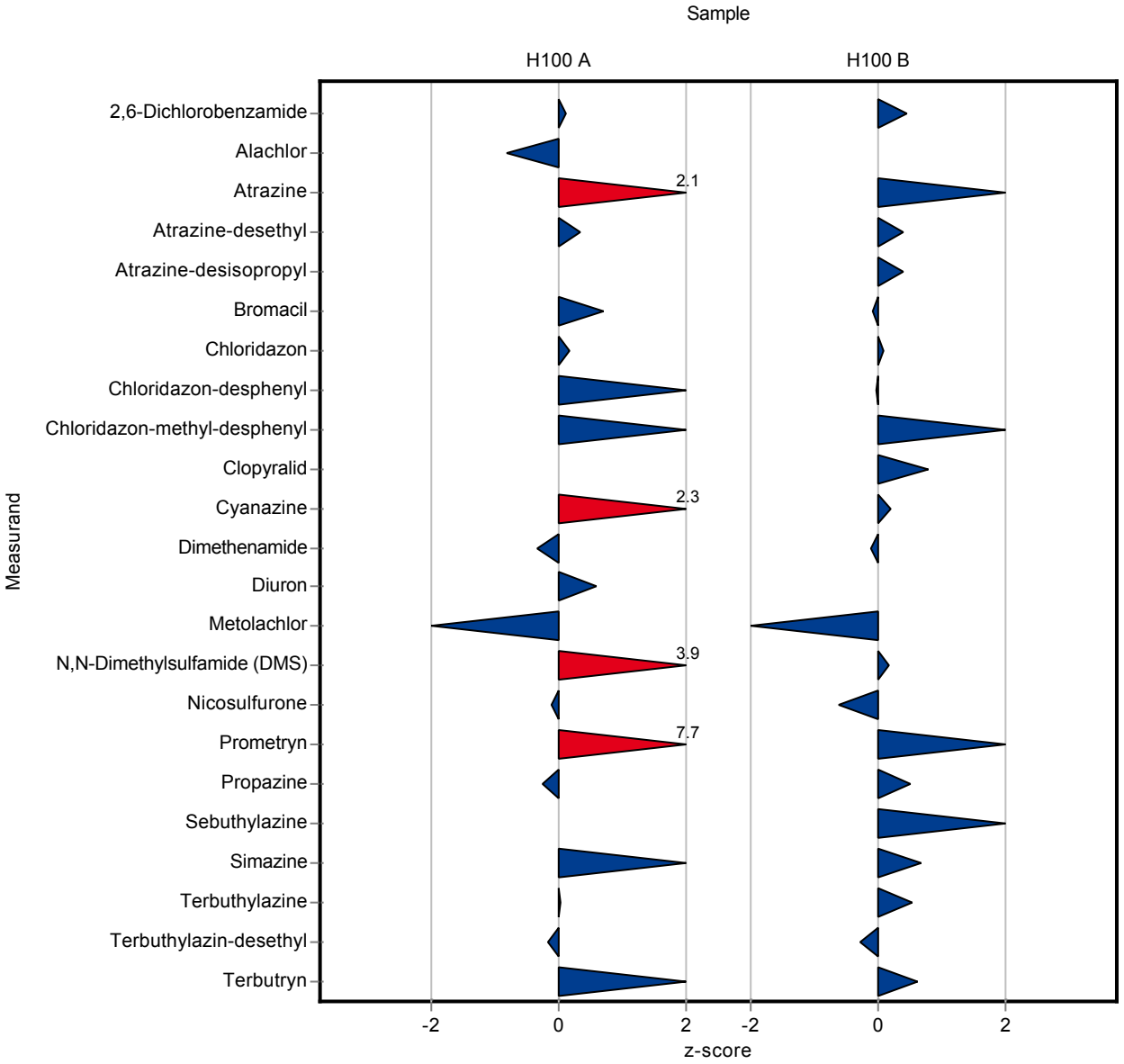
Sample: H100A

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
2,6-Dichlorobenzamide	µg/l	0.424	± 0.0518	0.43	0.11	0.0669	102	0.10
Alachlor	µg/l	0.367	± 0.0714	0.311	0.078	0.0673	84.7	-0.83
Atrazine	µg/l	0.329	± 0.0149	0.374	0.094	0.0211	114	2.11
Atrazine-desethyl	µg/l	0.977	± 0.0738	1.01	0.253	0.101	103	0.33
Atrazine-desethyl-desisopropyl	µg/l	-	± -	0.312	0.078	-	-	-
Atrazine-desisopropyl	µg/l	-	± -	<0.05 (LOQ)	-	-	-	-
Bromacil	µg/l	0.46	± 0.0375	0.486	0.122	0.0375	106	0.69
Chloridazon	µg/l	0.246	± 0.0367	0.253	0.063	0.0458	103	0.16
Chloridazon-desphenyl	µg/l	0.167	± 0.0231	0.2	0.05	0.0243	120	1.34
Chloridazon-methyl-desphenyl	µg/l	0.0945	± 0.00989	0.104	0.026	0.00932	110	1.02
Clopyralid	µg/l	-	± -	0.46	0.115	-	-	-
Cyanazine	µg/l	0.809	± 0.078	1.02	0.255	0.09	126	2.35
Dimethenamide	µg/l	0.253	± 0.0224	0.246	0.062	0.0198	97.3	-0.34
Diuron	µg/l	0.721	± 0.0662	0.768	0.192	0.0825	107	0.57
Metolachlor	µg/l	0.499	± 0.045	0.413	0.103	0.0541	82.8	-1.59
N,N-Dimethylsulfamide (DMS)	µg/l	0.315	± 0.0222	0.385	0.096	0.0181	122	3.87
Nicosulfurone	µg/l	0.209	± 0.0343	0.204	0.051	0.0362	97.8	-0.13
Prometryn	µg/l	0.737	± 0.0261	0.927	0.232	0.0246	126	7.74
Propazine	µg/l	0.198	± 0.0184	0.192	0.048	0.0237	97	-0.25
Sebuthylazine	µg/l	-	± -	<0.05 (LOQ)	-	-	-	-
Simazine	µg/l	0.138	± 0.0119	0.169	0.042	0.0159	122	1.93
Terbuthylazine	µg/l	0.161	± 0.0131	0.161	0.04	0.0185	100	0.01
Terbuthylazin-desethyl	µg/l	0.848	± 0.0899	0.829	0.207	0.108	97.8	-0.17
Terbutryn	µg/l	0.77	± 0.0585	0.872	0.218	0.0756	113	1.36

Sample: H100B

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
2,6-Dichlorobenzamide	µg/l	0.809	± 0.0588	0.842	0.211	0.0734	104	0.46
Alachlor	µg/l	-	± -	0.789	0.197	-	-	-
Atrazine	µg/l	0.636	± 0.0271	0.681	0.17	0.0383	107	1.18
Atrazine-desethyl	µg/l	0.389	± 0.0254	0.402	0.101	0.0338	103	0.39
Atrazine-desethyl-desisopropyl	µg/l	-	± -	0.633	0.158	-	-	-
Atrazine-desisopropyl	µg/l	0.557	± 0.0613	0.588	0.147	0.0791	106	0.39
Bromacil	µg/l	0.403	± 0.029	0.4	0.1	0.029	99.3	-0.09

Parameter	Unit	Target	±	CI(99%)	Result	± U	Criteria	Recovery	z-score
Chloridazon	µg/l	0.629	±	0.106	0.642	0.161	0.132	102	0.10
Chloridazon-desphenyl	µg/l	0.435	±	0.0609	0.433	0.108	0.0642	99.6	-0.03
Chloridazon-methyl-desphenyl	µg/l	0.0287	±	0.00374	0.034	0.009	0.0033	118	1.60
Clopyralid	µg/l	0.91	±	0.294	1.1	0.275	0.24	121	0.79
Cyanazine	µg/l	0.277	±	0.0244	0.283	0.071	0.0293	102	0.19
Dimethenamide	µg/l	0.163	±	0.0139	0.162	0.041	0.0123	99.1	-0.12
Diuron	µg/l	-	±	-	<0.05 (LOQ)	-	-	-	-
Metolachlor	µg/l	0.501	±	0.0546	0.427	0.107	0.0681	85.3	-1.08
N,N-Dimethylsulfamide (DMS)	µg/l	0.943	±	0.0849	0.957	0.239	0.0749	101	0.19
Nicosulfurone	µg/l	0.649	±	0.112	0.579	0.145	0.112	89.2	-0.63
Prometryn	µg/l	0.296	±	0.0277	0.335	0.084	0.0306	113	1.27
Propazine	µg/l	0.203	±	0.0209	0.216	0.054	0.0251	106	0.52
Sebuthylazine	µg/l	0.434	±	0.02	0.454	0.114	0.02	105	1.01
Simazine	µg/l	0.215	±	0.0167	0.23	0.058	0.0222	107	0.69
Terbuthylazine	µg/l	0.782	±	0.0652	0.831	0.208	0.0922	106	0.53
Terbuthylazin-desethyl	µg/l	0.43	±	0.0495	0.413	0.103	0.0595	96.1	-0.28
Terbutryn	µg/l	0.754	±	0.0595	0.802	0.201	0.0768	106	0.62


Sample
H100 A
H100 B
Measurand
2,6-Dichlorobenzamide
Alachlor
Atrazine
Atrazine-desethyl
Atrazine-desisopropyl
Bromacil
Chloridazon
Chloridazon-desphenyl
Chloridazon-methyl-desphenyl
Clopyralid
Cyanazine
Dimethenamide
Diuron
Metolachlor
N,N-Dimethylsulfamide (DMS)
Nicosulfurone
Prometryn
Propazine
Sebuthylazine
Simazine
Terbuthylazine
Terbuthylazin-desethyl
Terbutryn
2.1
2.3
3.9
7.7
-2
0
2
z-score

The following results were achieved:

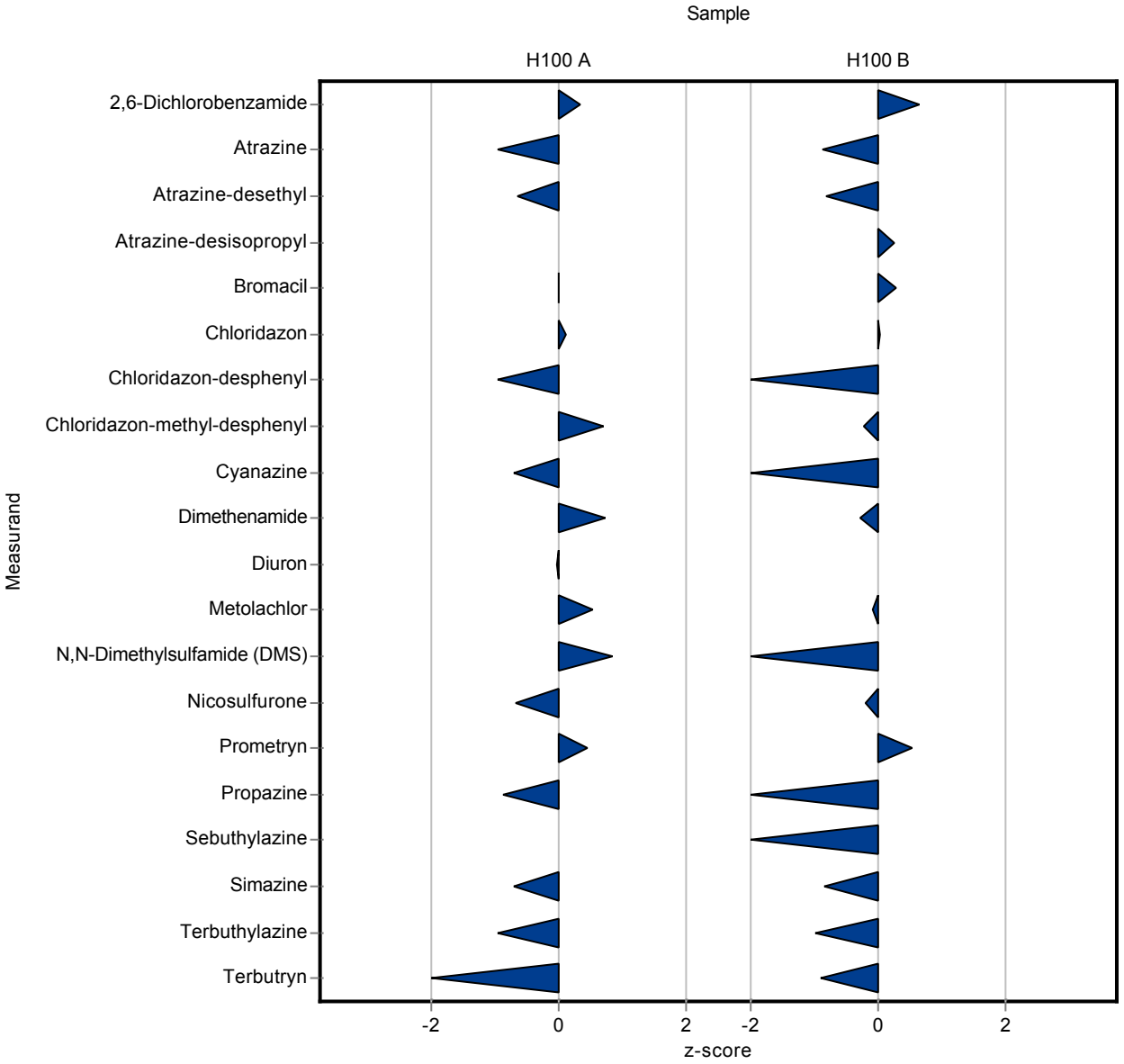
Sample: H100A

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
2,6-Dichlorobenzamide	µg/l	0.424	± 0.0518	0.445	0.049	0.0669	105	0.32
Alachlor	µg/l	0.367	± 0.0714	-	-	0.0673	-	-
Atrazine	µg/l	0.329	± 0.0149	0.309	0.062	0.0211	93.8	-0.96
Atrazine-desethyl	µg/l	0.977	± 0.0738	0.91	0.109	0.101	93.1	-0.66
Atrazine-desethyl-desisopropyl	µg/l	-	± -	-	-	-	-	-
Atrazine-desisopropyl	µg/l	-	± -	<0.005	-	-	-	-
Bromacil	µg/l	0.46	± 0.0375	0.46	0.11	0.0375	100	0.00
Chloridazon	µg/l	0.246	± 0.0367	0.251	0.058	0.0458	102	0.11
Chloridazon-desphenyl	µg/l	0.167	± 0.0231	0.144	0.039	0.0243	86.1	-0.96
Chloridazon-methyl-desphenyl	µg/l	0.0945	± 0.00989	0.101	0.028	0.00932	107	0.70
Clopyralid	µg/l	-	± -	-	-	-	-	-
Cyanazine	µg/l	0.809	± 0.078	0.744	0.29	0.09	92	-0.72
Dimethenamide	µg/l	0.253	± 0.0224	0.267	0.051	0.0198	106	0.72
Diuron	µg/l	0.721	± 0.0662	0.718	0.151	0.0825	99.7	-0.03
Metolachlor	µg/l	0.499	± 0.045	0.528	0.09	0.0541	106	0.54
N,N-Dimethylsulfamide (DMS)	µg/l	0.315	± 0.0222	0.33	0.105	0.0181	105	0.84
Nicosulfurone	µg/l	0.209	± 0.0343	0.184	0.037	0.0362	88.2	-0.68
Prometryn	µg/l	0.737	± 0.0261	0.748	0.142	0.0246	102	0.46
Propazine	µg/l	0.198	± 0.0184	0.177	0.032	0.0237	89.4	-0.88
Sebuthylazine	µg/l	-	± -	<0.005	-	-	-	-
Simazine	µg/l	0.138	± 0.0119	0.127	0.015	0.0159	91.7	-0.72
Terbuthylazine	µg/l	0.161	± 0.0131	0.143	0.024	0.0185	89	-0.96
Terbuthylazin-desethyl	µg/l	0.848	± 0.0899	-	-	0.108	-	-
Terbutryn	µg/l	0.77	± 0.0585	0.679	0.122	0.0756	88.2	-1.20

Sample: H100B

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
2,6-Dichlorobenzamide	µg/l	0.809	± 0.0588	0.857	0.094	0.0734	106	0.66
Alachlor	µg/l	-	± -	-	-	-	-	-
Atrazine	µg/l	0.636	± 0.0271	0.602	0.12	0.0383	94.7	-0.88
Atrazine-desethyl	µg/l	0.389	± 0.0254	0.362	0.043	0.0338	93.1	-0.80
Atrazine-desethyl-desisopropyl	µg/l	-	± -	-	-	-	-	-
Atrazine-desisopropyl	µg/l	0.557	± 0.0613	0.578	0.11	0.0791	104	0.26
Bromacil	µg/l	0.403	± 0.029	0.411	0.099	0.029	102	0.29

Parameter	Unit	Target	±	CI(99%)	Result	± U	Criteria	Recovery	z-score
Chloridazon	µg/l	0.629	±	0.106	0.634	0.146	0.132	101	0.04
Chloridazon-desphenyl	µg/l	0.435	±	0.0609	0.366	0.099	0.0642	84.2	-1.07
Chloridazon-methyl-desphenyl	µg/l	0.0287	±	0.00374	0.028	0.008	0.0033	97.5	-0.22
Clopyralid	µg/l	0.91	±	0.294	-	-	0.24	-	-
Cyanazine	µg/l	0.277	±	0.0244	0.232	0.091	0.0293	83.6	-1.55
Dimethenamide	µg/l	0.163	±	0.0139	0.16	0.03	0.0123	97.9	-0.28
Diuron	µg/l	-	±	-	<0.005	-	-	-	-
Metolachlor	µg/l	0.501	±	0.0546	0.496	0.084	0.0681	99.1	-0.07
N,N-Dimethylsulfamide (DMS)	µg/l	0.943	±	0.0849	0.81	0.259	0.0749	85.9	-1.78
Nicosulfurone	µg/l	0.649	±	0.112	0.629	0.126	0.112	96.9	-0.18
Prometryn	µg/l	0.296	±	0.0277	0.313	0.059	0.0306	106	0.55
Propazine	µg/l	0.203	±	0.0209	0.161	0.029	0.0251	79.3	-1.68
Sebuthylazine	µg/l	0.434	±	0.02	0.407	0.081	0.02	93.8	-1.34
Simazine	µg/l	0.215	±	0.0167	0.196	0.024	0.0222	91.3	-0.85
Terbuthylazine	µg/l	0.782	±	0.0652	0.691	0.117	0.0922	88.4	-0.99
Terbuthylazin-desethyl	µg/l	0.43	±	0.0495	-	-	0.0595	-	-
Terbutryn	µg/l	0.754	±	0.0595	0.685	0.123	0.0768	90.8	-0.90


Sample
H100 A
H100 B
2,6-Dichlorobenzamide
Atrazine
Atrazine-desethyl
Atrazine-desisopropyl
Bromacil
Chloridazon
Chloridazon-desphenyl
Chloridazon-methyl-desphenyl
Cyanazine
Dimethenamide
Diuron
Metolachlor
N,N-Dimethylsulfamide (DMS)
Nicosulfurone
Prometryn
Propazine
Sebuthylazine
Simazine
Terbuthylazine
Terbutryn
Measurand
-2
0
2
-2
0
2
z-score

The following results were achieved:

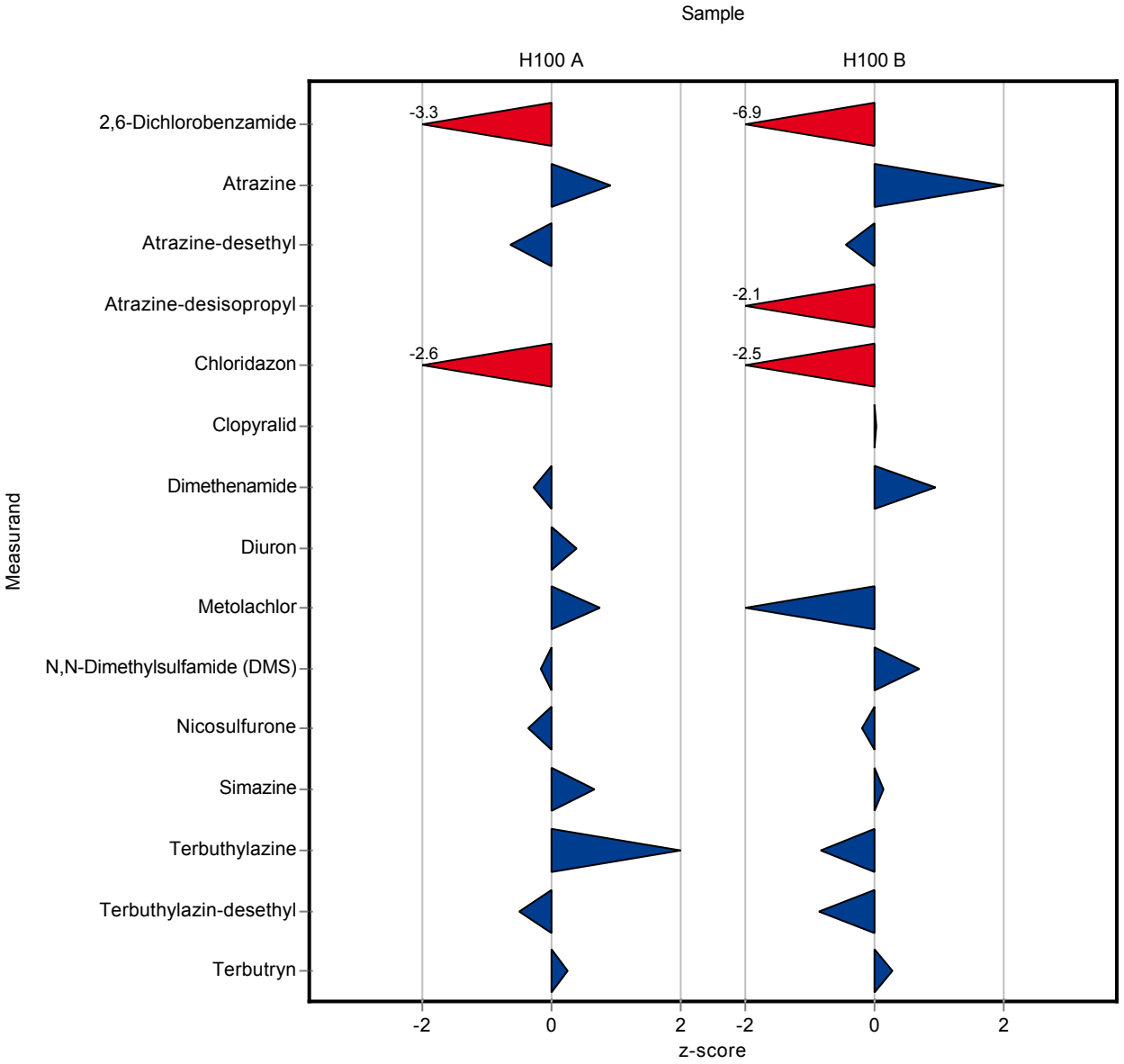
Sample: H100A

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
2,6-Dichlorobenzamide	µg/l	0.424	± 0.0518	0.202	-	0.0669	47.7	-3.31
Alachlor	µg/l	0.367	± 0.0714	-	-	0.0673	-	-
Atrazine	µg/l	0.329	± 0.0149	0.349	-	0.0211	106	0.93
Atrazine-desethyl	µg/l	0.977	± 0.0738	0.912	-	0.101	93.4	-0.64
Atrazine-desethyl-desisopropyl	µg/l	-	± -	0.711	-	-	-	-
Atrazine-desisopropyl	µg/l	-	± -	<0.01 (LOQ)	-	-	-	-
Bromacil	µg/l	0.46	± 0.0375	-	-	0.0375	-	-
Chloridazon	µg/l	0.246	± 0.0367	0.129	-	0.0458	52.5	-2.55
Chloridazon-desphenyl	µg/l	0.167	± 0.0231	-	-	0.0243	-	-
Chloridazon-methyl-desphenyl	µg/l	0.0945	± 0.00989	-	-	0.00932	-	-
Clopyralid	µg/l	-	± -	0.371	-	-	-	-
Cyanazine	µg/l	0.809	± 0.078	-	-	0.09	-	-
Dimethenamide	µg/l	0.253	± 0.0224	0.247	-	0.0198	97.7	-0.29
Diuron	µg/l	0.721	± 0.0662	0.752	-	0.0825	104	0.38
Metolachlor	µg/l	0.499	± 0.045	0.539	-	0.0541	108	0.74
N,N-Dimethylsulfamide (DMS)	µg/l	0.315	± 0.0222	0.312	-	0.0181	99.1	-0.16
Nicosulfurone	µg/l	0.209	± 0.0343	0.196	-	0.0362	94	-0.35
Prometryn	µg/l	0.737	± 0.0261	-	-	0.0246	-	-
Propazine	µg/l	0.198	± 0.0184	-	-	0.0237	-	-
Sebuthylazine	µg/l	-	± -	-	-	-	-	-
Simazine	µg/l	0.138	± 0.0119	0.149	-	0.0159	108	0.67
Terbuthylazine	µg/l	0.161	± 0.0131	0.181	-	0.0185	113	1.10
Terbuthylazin-desethyl	µg/l	0.848	± 0.0899	0.794	-	0.108	93.7	-0.50
Terbutryn	µg/l	0.77	± 0.0585	0.789	-	0.0756	103	0.26

Sample: H100B

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
2,6-Dichlorobenzamide	µg/l	0.809	± 0.0588	0.303	-	0.0734	37.5	-6.89
Alachlor	µg/l	-	± -	-	-	-	-	-
Atrazine	µg/l	0.636	± 0.0271	0.693	-	0.0383	109	1.50
Atrazine-desethyl	µg/l	0.389	± 0.0254	0.374	-	0.0338	96.2	-0.44
Atrazine-desethyl-desisopropyl	µg/l	-	± -	1.18	-	-	-	-
Atrazine-desisopropyl	µg/l	0.557	± 0.0613	0.388	-	0.0791	69.6	-2.14
Bromacil	µg/l	0.403	± 0.029	-	-	0.029	-	-

Parameter	Unit	Target	±	CI(99%)	Result	± U	Criteria	Recovery	z-score
Chloridazon	µg/l	0.629	±	0.106	0.296	-	0.132	47.1	-2.53
Chloridazon-desphenyl	µg/l	0.435	±	0.0609	-	-	0.0642	-	-
Chloridazon-methyl-desphenyl	µg/l	0.0287	±	0.00374	-	-	0.0033	-	-
Clopyralid	µg/l	0.91	±	0.294	0.92	-	0.24	101	0.04
Cyanazine	µg/l	0.277	±	0.0244	-	-	0.0293	-	-
Dimethenamide	µg/l	0.163	±	0.0139	0.175	-	0.0123	107	0.94
Diuron	µg/l	-	±	-	<0.02 (LOQ)	-	-	-	-
Metolachlor	µg/l	0.501	±	0.0546	0.417	-	0.0681	83.3	-1.23
N,N-Dimethylsulfamide (DMS)	µg/l	0.943	±	0.0849	0.995	-	0.0749	106	0.69
Nicosulfurone	µg/l	0.649	±	0.112	0.628	-	0.112	96.7	-0.19
Prometryn	µg/l	0.296	±	0.0277	-	-	0.0306	-	-
Propazine	µg/l	0.203	±	0.0209	-	-	0.0251	-	-
Sebuthylazine	µg/l	0.434	±	0.02	-	-	0.02	-	-
Simazine	µg/l	0.215	±	0.0167	0.218	-	0.0222	101	0.14
Terbuthylazine	µg/l	0.782	±	0.0652	0.706	-	0.0922	90.3	-0.82
Terbuthylazin-desethyl	µg/l	0.43	±	0.0495	0.378	-	0.0595	87.9	-0.87
Terbutryn	µg/l	0.754	±	0.0595	0.775	-	0.0768	103	0.27


Sample
H100 A
H100 B
Measurand
2,6-Dichlorobenzamide
Atrazine
Atrazine-desethyl
Atrazine-desisopropyl
Chloridazon
Clopyralid
Dimethenamide
Diuron
Metolachlor
N,N-Dimethylsulfamide (DMS)
Nicosulfurone
Simazine
Terbuthylazine
Terbuthylazin-desethyl
Terbutryn
-3.3
-6.9
-2.1
-2.6
-2.5
-2
0
2
z-score

The following results were achieved:

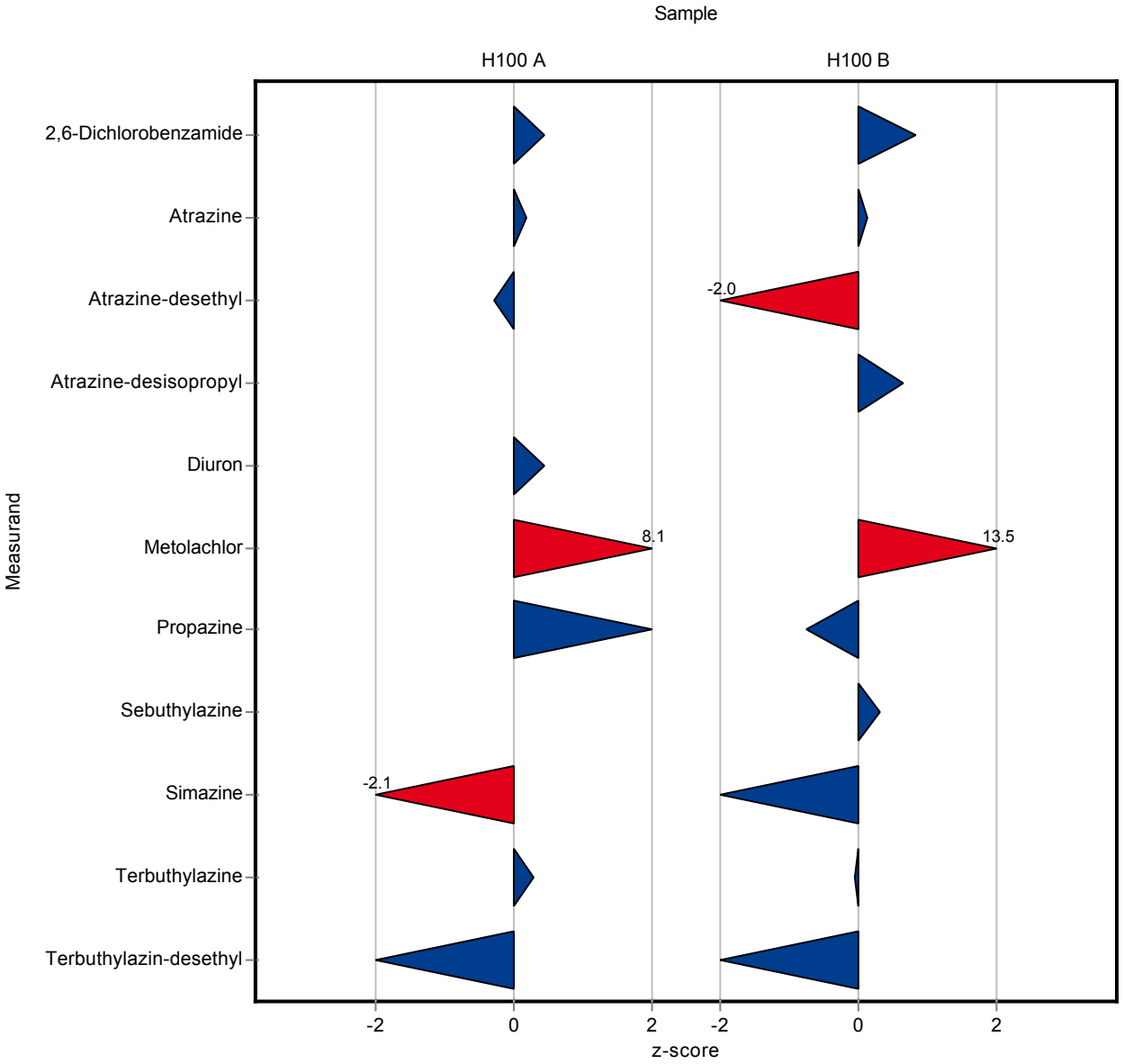
Sample: H100A

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
2,6-Dichlorobenzamide	µg/l	0.424	± 0.0518	0.454	0.068	0.0669	107	0.46
Alachlor	µg/l	0.367	± 0.0714	-	-	0.0673	-	-
Atrazine	µg/l	0.329	± 0.0149	0.333	0.05	0.0211	101	0.17
Atrazine-desethyl	µg/l	0.977	± 0.0738	0.949	0.142	0.101	97.1	-0.28
Atrazine-desethyl-desisopropyl	µg/l	-	± -	-	-	-	-	-
Atrazine-desisopropyl	µg/l	-	± -	<0.05 (LOQ)	-	-	-	-
Bromacil	µg/l	0.46	± 0.0375	-	-	0.0375	-	-
Chloridazon	µg/l	0.246	± 0.0367	-	-	0.0458	-	-
Chloridazon-desphenyl	µg/l	0.167	± 0.0231	-	-	0.0243	-	-
Chloridazon-methyl-desphenyl	µg/l	0.0945	± 0.00989	-	-	0.00932	-	-
Clopyralid	µg/l	-	± -	-	-	-	-	-
Cyanazine	µg/l	0.809	± 0.078	-	-	0.09	-	-
Dimethenamide	µg/l	0.253	± 0.0224	-	-	0.0198	-	-
Diuron	µg/l	0.721	± 0.0662	0.756	0.113	0.0825	105	0.43
Metolachlor	µg/l	0.499	± 0.045	0.938	0.141	0.0541	188	8.11
N,N-Dimethylsulfamide (DMS)	µg/l	0.315	± 0.0222	-	-	0.0181	-	-
Nicosulfurone	µg/l	0.209	± 0.0343	-	-	0.0362	-	-
Prometryn	µg/l	0.737	± 0.0261	-	-	0.0246	-	-
Propazine	µg/l	0.198	± 0.0184	0.229	0.034	0.0237	116	1.31
Sebuthylazine	µg/l	-	± -	<0.05 (LOQ)	-	-	-	-
Simazine	µg/l	0.138	± 0.0119	0.105	0.016	0.0159	75.8	-2.11
Terbuthylazine	µg/l	0.161	± 0.0131	0.166	0.025	0.0185	103	0.29
Terbuthylazin-desethyl	µg/l	0.848	± 0.0899	0.682	0.102	0.108	80.4	-1.53
Terbutryn	µg/l	0.77	± 0.0585	-	-	0.0756	-	-

Sample: H100B

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
2,6-Dichlorobenzamide	µg/l	0.809	± 0.0588	0.87	0.131	0.0734	108	0.84
Alachlor	µg/l	-	± -	-	-	-	-	-
Atrazine	µg/l	0.636	± 0.0271	0.641	0.096	0.0383	101	0.14
Atrazine-desethyl	µg/l	0.389	± 0.0254	0.32	0.048	0.0338	82.3	-2.04
Atrazine-desethyl-desisopropyl	µg/l	-	± -	-	-	-	-	-
Atrazine-desisopropyl	µg/l	0.557	± 0.0613	0.608	0.091	0.0791	109	0.64
Bromacil	µg/l	0.403	± 0.029	-	-	0.029	-	-

Parameter	Unit	Target	±	CI(99%)	Result	± U	Criteria	Recovery	z-score
Chloridazon	µg/l	0.629	±	0.106	-	-	0.132	-	-
Chloridazon-desphenyl	µg/l	0.435	±	0.0609	-	-	0.0642	-	-
Chloridazon-methyl-desphenyl	µg/l	0.0287	±	0.00374	-	-	0.0033	-	-
Clopyralid	µg/l	0.91	±	0.294	-	-	0.24	-	-
Cyanazine	µg/l	0.277	±	0.0244	-	-	0.0293	-	-
Dimethenamide	µg/l	0.163	±	0.0139	-	-	0.0123	-	-
Diuron	µg/l	-	±	-	<0.05 (LOQ)	-	-	-	-
Metolachlor	µg/l	0.501	±	0.0546	1.419	0.213	0.0681	283	13.50
N,N-Dimethylsulfamide (DMS)	µg/l	0.943	±	0.0849	-	-	0.0749	-	-
Nicosulfurone	µg/l	0.649	±	0.112	-	-	0.112	-	-
Prometryn	µg/l	0.296	±	0.0277	-	-	0.0306	-	-
Propazine	µg/l	0.203	±	0.0209	0.184	0.028	0.0251	90.6	-0.76
Sebuthylazine	µg/l	0.434	±	0.02	0.44	0.066	0.02	101	0.31
Simazine	µg/l	0.215	±	0.0167	0.179	0.027	0.0222	83.3	-1.61
Terbuthylazine	µg/l	0.782	±	0.0652	0.777	0.117	0.0922	99.4	-0.05
Terbuthylazin-desethyl	µg/l	0.43	±	0.0495	0.347	0.052	0.0595	80.7	-1.39
Terbutryn	µg/l	0.754	±	0.0595	-	-	0.0768	-	-


Sample
H100 A
H100 B
2,6-Dichlorobenzamide
Atrazine
Atrazine-desethyl
Atrazine-desisopropyl
Diuron
Metolachlor
Propazine
Sebuthylazine
Simazine
Terbuthylazine
Terbuthylazin-desethyl
Measurand
-2.0
8.1
13.5
-2.1
-2
0
2
z-score

The following results were achieved:

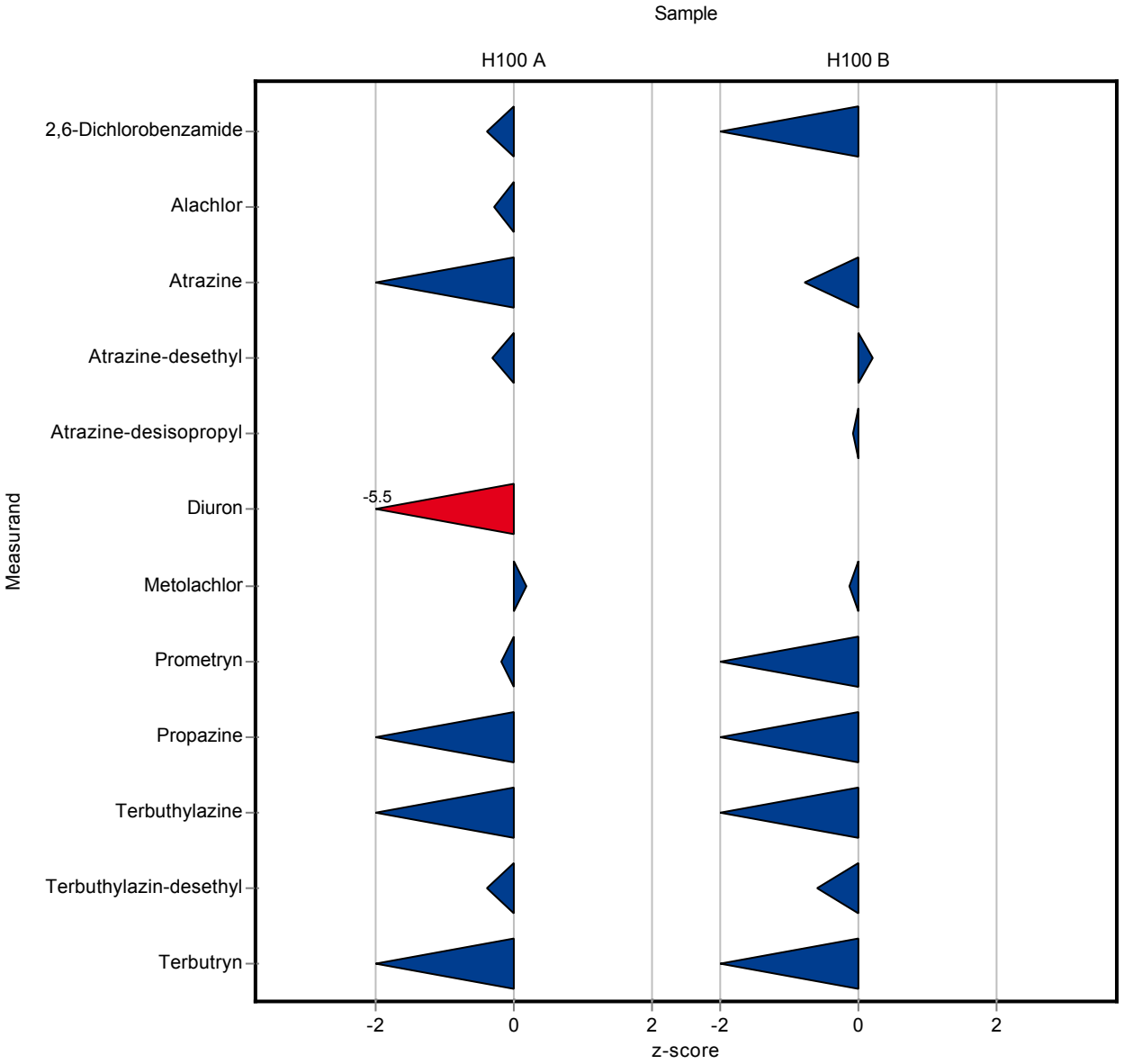
Sample: H100A

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
2,6-Dichlorobenzamide	µg/l	0.424	± 0.0518	0.397	0.071	0.0669	93.7	-0.40
Alachlor	µg/l	0.367	± 0.0714	0.347	0.059	0.0673	94.5	-0.30
Atrazine	µg/l	0.329	± 0.0149	0.305	0.049	0.0211	92.6	-1.15
Atrazine-desethyl	µg/l	0.977	± 0.0738	0.945	0.397	0.101	96.7	-0.32
Atrazine-desethyl-desisopropyl	µg/l	-	± -	-	-	-	-	-
Atrazine-desisopropyl	µg/l	-	± -	<0.05 (LOQ)	-	-	-	-
Bromacil	µg/l	0.46	± 0.0375	-	-	0.0375	-	-
Chloridazon	µg/l	0.246	± 0.0367	-	-	0.0458	-	-
Chloridazon-desphenyl	µg/l	0.167	± 0.0231	-	-	0.0243	-	-
Chloridazon-methyl-desphenyl	µg/l	0.0945	± 0.00989	-	-	0.00932	-	-
Clopyralid	µg/l	-	± -	-	-	-	-	-
Cyanazine	µg/l	0.809	± 0.078	-	-	0.09	-	-
Dimethenamide	µg/l	0.253	± 0.0224	-	-	0.0198	-	-
Diuron	µg/l	0.721	± 0.0662	0.265	0.053	0.0825	36.8	-5.52
Metolachlor	µg/l	0.499	± 0.045	0.509	0.092	0.0541	102	0.19
N,N-Dimethylsulfamide (DMS)	µg/l	0.315	± 0.0222	-	-	0.0181	-	-
Nicosulfurone	µg/l	0.209	± 0.0343	-	-	0.0362	-	-
Prometryn	µg/l	0.737	± 0.0261	0.732	0.183	0.0246	99.4	-0.19
Propazine	µg/l	0.198	± 0.0184	0.17	0.036	0.0237	85.9	-1.18
Sebuthylazine	µg/l	-	± -	-	-	-	-	-
Simazine	µg/l	0.138	± 0.0119	-	-	0.0159	-	-
Terbuthylazine	µg/l	0.161	± 0.0131	0.131	0.021	0.0185	81.5	-1.61
Terbuthylazin-desethyl	µg/l	0.848	± 0.0899	0.805	0.193	0.108	95	-0.40
Terbutryn	µg/l	0.77	± 0.0585	0.652	0.17	0.0756	84.7	-1.56

Sample: H100B

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
2,6-Dichlorobenzamide	µg/l	0.809	± 0.0588	0.735	0.132	0.0734	90.9	-1.00
Alachlor	µg/l	-	± -	0.78	0.133	-	-	-
Atrazine	µg/l	0.636	± 0.0271	0.606	0.097	0.0383	95.3	-0.77
Atrazine-desethyl	µg/l	0.389	± 0.0254	0.396	0.166	0.0338	102	0.21
Atrazine-desethyl-desisopropyl	µg/l	-	± -	-	-	-	-	-
Atrazine-desisopropyl	µg/l	0.557	± 0.0613	0.552	0.232	0.0791	99	-0.07
Bromacil	µg/l	0.403	± 0.029	-	-	0.029	-	-

Parameter	Unit	Target	±	CI(99%)	Result	± U	Criteria	Recovery	z-score
Chloridazon	µg/l	0.629	±	0.106	-	-	0.132	-	-
Chloridazon-desphenyl	µg/l	0.435	±	0.0609	-	-	0.0642	-	-
Chloridazon-methyl-desphenyl	µg/l	0.0287	±	0.00374	-	-	0.0033	-	-
Clopyralid	µg/l	0.91	±	0.294	-	-	0.24	-	-
Cyanazine	µg/l	0.277	±	0.0244	-	-	0.0293	-	-
Dimethenamide	µg/l	0.163	±	0.0139	-	-	0.0123	-	-
Diuron	µg/l	-	±	-	<0.05 (LOQ)	-	-	-	-
Metolachlor	µg/l	0.501	±	0.0546	0.492	0.089	0.0681	98.3	-0.13
N,N-Dimethylsulfamide (DMS)	µg/l	0.943	±	0.0849	-	-	0.0749	-	-
Nicosulfurone	µg/l	0.649	±	0.112	-	-	0.112	-	-
Prometryn	µg/l	0.296	±	0.0277	0.238	0.06	0.0306	80.4	-1.90
Propazine	µg/l	0.203	±	0.0209	0.172	0.036	0.0251	84.7	-1.24
Sebuthylazine	µg/l	0.434	±	0.02	-	-	0.02	-	-
Simazine	µg/l	0.215	±	0.0167	-	-	0.0222	-	-
Terbuthylazine	µg/l	0.782	±	0.0652	0.666	0.107	0.0922	85.2	-1.26
Terbuthylazin-desethyl	µg/l	0.43	±	0.0495	0.394	0.095	0.0595	91.7	-0.60
Terbutryn	µg/l	0.754	±	0.0595	0.616	0.16	0.0768	81.7	-1.80


Sample
H100 A
H100 B
2,6-Dichlorobenzamide
Alachlor
Atrazine
Atrazine-desethyl
Atrazine-desisopropyl
Diuron
-5.5
Metolachlor
Prometryn
Propazine
Terbuthylazine
Terbuthylazin-desethyl
Terbutryn
Measurand
-2
0
2
-2
0
2
z-score

The following results were achieved:

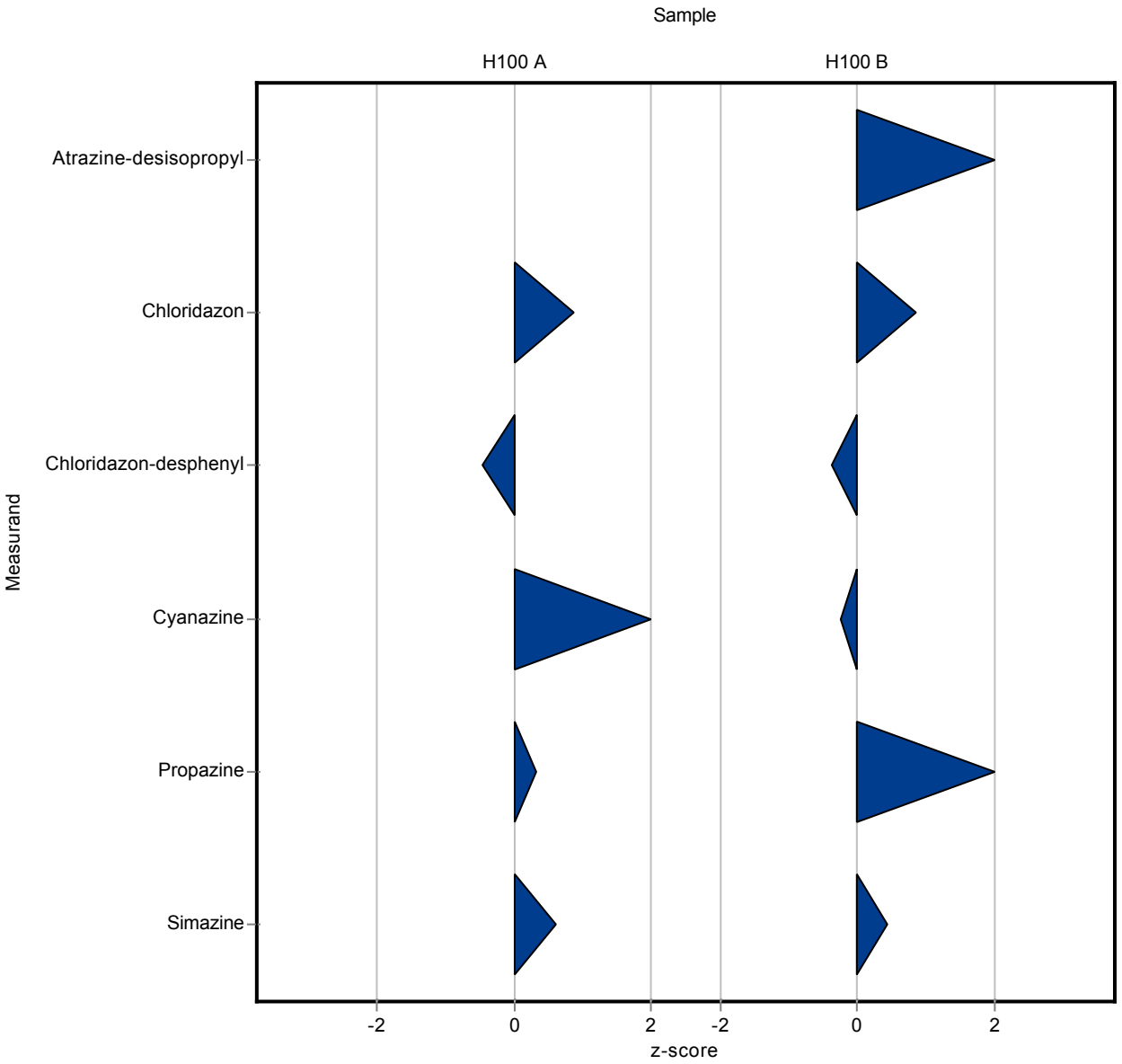
Sample: H100A

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
2,6-Dichlorobenzamide	µg/l	0.424	± 0.0518	-	-	0.0669	-	-
Alachlor	µg/l	0.367	± 0.0714	-	-	0.0673	-	-
Atrazine	µg/l	0.329	± 0.0149	-	-	0.0211	-	-
Atrazine-desethyl	µg/l	0.977	± 0.0738	-	-	0.101	-	-
Atrazine-desethyl-desisopropyl	µg/l	-	± -	-	-	-	-	-
Atrazine-desisopropyl	µg/l	-	± -	<0.02 (LOQ)	-	-	-	-
Bromacil	µg/l	0.46	± 0.0375	-	-	0.0375	-	-
Chloridazon	µg/l	0.246	± 0.0367	0.286	0.0268	0.0458	116	0.88
Chloridazon-desphenyl	µg/l	0.167	± 0.0231	0.156	0.034	0.0243	93.2	-0.46
Chloridazon-methyl-desphenyl	µg/l	0.0945	± 0.00989	-	-	0.00932	-	-
Clopyralid	µg/l	-	± -	-	-	-	-	-
Cyanazine	µg/l	0.809	± 0.078	0.9457	0.3676	0.09	117	1.52
Dimethenamide	µg/l	0.253	± 0.0224	-	-	0.0198	-	-
Diuron	µg/l	0.721	± 0.0662	-	-	0.0825	-	-
Metolachlor	µg/l	0.499	± 0.045	-	-	0.0541	-	-
N,N-Dimethylsulfamide (DMS)	µg/l	0.315	± 0.0222	-	-	0.0181	-	-
Nicosulfurone	µg/l	0.209	± 0.0343	-	-	0.0362	-	-
Prometryn	µg/l	0.737	± 0.0261	-	-	0.0246	-	-
Propazine	µg/l	0.198	± 0.0184	0.2054	0.0495	0.0237	104	0.31
Sebuthylazine	µg/l	-	± -	-	-	-	-	-
Simazine	µg/l	0.138	± 0.0119	0.1481	0.0072	0.0159	107	0.61
Terbuthylazine	µg/l	0.161	± 0.0131	-	-	0.0185	-	-
Terbuthylazin-desethyl	µg/l	0.848	± 0.0899	-	-	0.108	-	-
Terbutryn	µg/l	0.77	± 0.0585	-	-	0.0756	-	-

Sample: H100B

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
2,6-Dichlorobenzamide	µg/l	0.809	± 0.0588	-	-	0.0734	-	-
Alachlor	µg/l	-	± -	-	-	-	-	-
Atrazine	µg/l	0.636	± 0.0271	-	-	0.0383	-	-
Atrazine-desethyl	µg/l	0.389	± 0.0254	-	-	0.0338	-	-
Atrazine-desethyl-desisopropyl	µg/l	-	± -	-	-	-	-	-
Atrazine-desisopropyl	µg/l	0.557	± 0.0613	0.6539	0.0595	0.0791	117	1.22
Bromacil	µg/l	0.403	± 0.029	-	-	0.029	-	-

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
Chloridazon	µg/l	0.629	± 0.106	0.7429	0.077	0.132	118	0.86
Chloridazon-desphenyl	µg/l	0.435	± 0.0609	0.4114	0.0812	0.0642	94.7	-0.36
Chloridazon-methyl-desphenyl	µg/l	0.0287	± 0.00374	-	-	0.0033	-	-
Clopyralid	µg/l	0.91	± 0.294	-	-	0.24	-	-
Cyanazine	µg/l	0.277	± 0.0244	0.2701	0.0591	0.0293	97.3	-0.25
Dimethenamide	µg/l	0.163	± 0.0139	-	-	0.0123	-	-
Diuron	µg/l	-	± -	-	-	-	-	-
Metolachlor	µg/l	0.501	± 0.0546	-	-	0.0681	-	-
N,N-Dimethylsulfamide (DMS)	µg/l	0.943	± 0.0849	-	-	0.0749	-	-
Nicosulfurone	µg/l	0.649	± 0.112	-	-	0.112	-	-
Prometryn	µg/l	0.296	± 0.0277	-	-	0.0306	-	-
Propazine	µg/l	0.203	± 0.0209	0.2309	0.0627	0.0251	114	1.11
Sebuthylazine	µg/l	0.434	± 0.02	-	-	0.02	-	-
Simazine	µg/l	0.215	± 0.0167	0.2246	0.0144	0.0222	105	0.44
Terbuthylazine	µg/l	0.782	± 0.0652	-	-	0.0922	-	-
Terbuthylazin-desethyl	µg/l	0.43	± 0.0495	-	-	0.0595	-	-
Terbutryn	µg/l	0.754	± 0.0595	-	-	0.0768	-	-


Sample
H100 A
H100 B
Atrazine-desisopropyl
Chloridazon
Chloridazon-desphenyl
Cyanazine
Propazine
Simazine
Measurand
-2
0
2
-2
0
2
z-score

The following results were achieved:

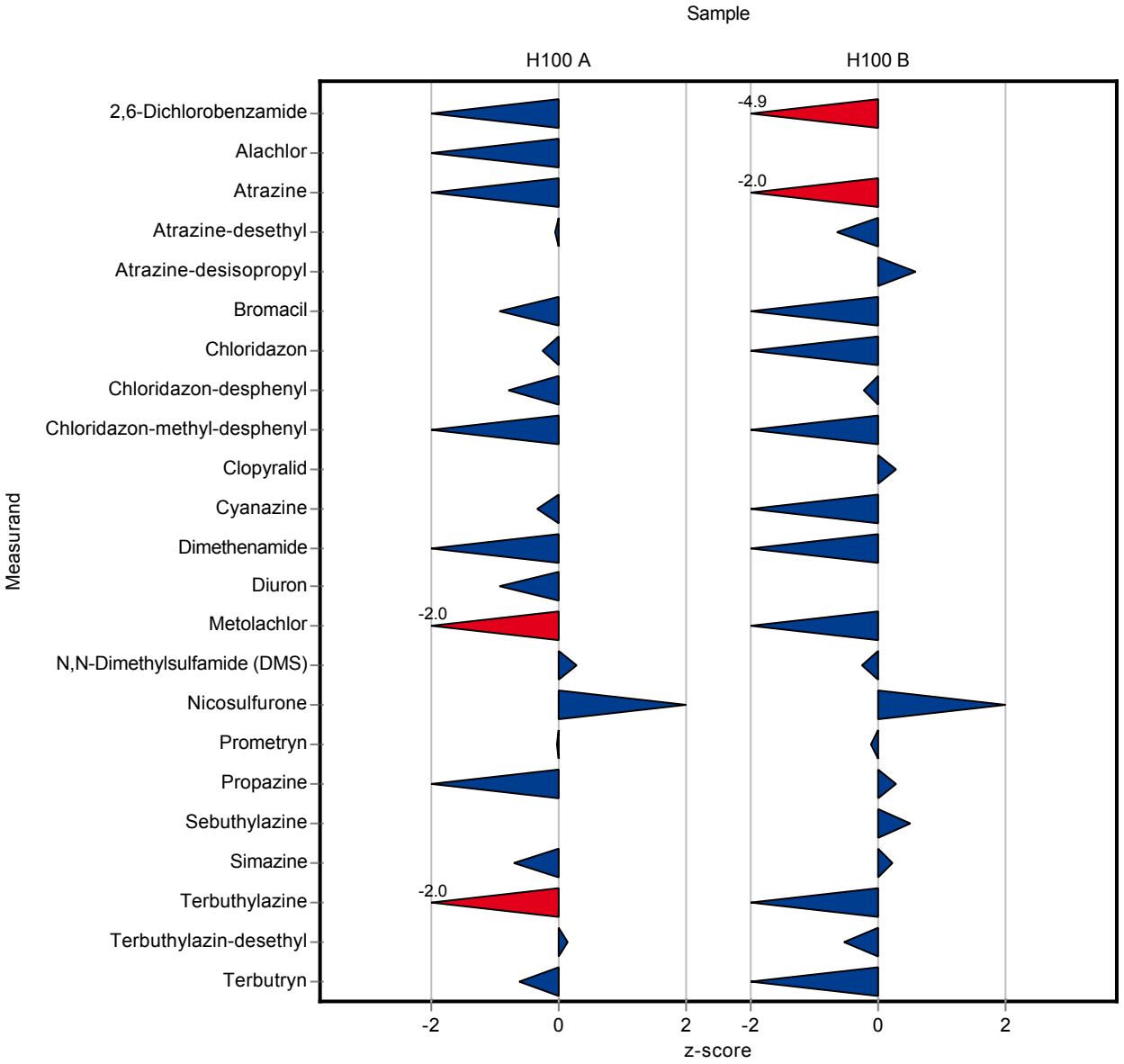
Sample: H100A

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
2,6-Dichlorobenzamide	µg/l	0.424	± 0.0518	0.304	0.0912	0.0669	71.8	-1.79
Alachlor	µg/l	0.367	± 0.0714	0.281	0.0843	0.0673	76.5	-1.28
Atrazine	µg/l	0.329	± 0.0149	0.305	0.0915	0.0211	92.6	-1.15
Atrazine-desethyl	µg/l	0.977	± 0.0738	0.97	0.291	0.101	99.3	-0.07
Atrazine-desethyl-desisopropyl	µg/l	-	± -	0.932	0.2796	-	-	-
Atrazine-desisopropyl	µg/l	-	± -	<0.02 (LOQ)	-	-	-	-
Bromacil	µg/l	0.46	± 0.0375	0.425	0.1275	0.0375	92.4	-0.93
Chloridazon	µg/l	0.246	± 0.0367	0.234	0.0702	0.0458	95.2	-0.26
Chloridazon-desphenyl	µg/l	0.167	± 0.0231	0.148	0.0444	0.0243	88.5	-0.79
Chloridazon-methyl-desphenyl	µg/l	0.0945	± 0.00989	0.078	0.0234	0.00932	82.5	-1.77
Clopyralid	µg/l	-	± -	0.399	0.1197	-	-	-
Cyanazine	µg/l	0.809	± 0.078	0.779	0.2337	0.09	96.3	-0.33
Dimethenamide	µg/l	0.253	± 0.0224	0.229	0.0687	0.0198	90.6	-1.20
Diuron	µg/l	0.721	± 0.0662	0.643	0.1929	0.0825	89.2	-0.94
Metolachlor	µg/l	0.499	± 0.045	0.39	0.117	0.0541	78.2	-2.01
N,N-Dimethylsulfamide (DMS)	µg/l	0.315	± 0.0222	0.32	0.096	0.0181	102	0.28
Nicosulfurone	µg/l	0.209	± 0.0343	0.269	0.0807	0.0362	129	1.67
Prometryn	µg/l	0.737	± 0.0261	0.736	0.2208	0.0246	99.9	-0.03
Propazine	µg/l	0.198	± 0.0184	0.155	0.0465	0.0237	78.3	-1.81
Sebuthylazine	µg/l	-	± -	<0.02 (LOQ)	-	-	-	-
Simazine	µg/l	0.138	± 0.0119	0.127	0.0381	0.0159	91.7	-0.72
Terbuthylazine	µg/l	0.161	± 0.0131	0.123	0.0369	0.0185	76.5	-2.04
Terbuthylazin-desethyl	µg/l	0.848	± 0.0899	0.861	0.2583	0.108	102	0.12
Terbutryn	µg/l	0.77	± 0.0585	0.722	0.2166	0.0756	93.8	-0.63

Sample: H100B

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
2,6-Dichlorobenzamide	µg/l	0.809	± 0.0588	0.447	0.1341	0.0734	55.3	-4.93
Alachlor	µg/l	-	± -	0.589	0.1767	-	-	-
Atrazine	µg/l	0.636	± 0.0271	0.558	0.1674	0.0383	87.8	-2.02
Atrazine-desethyl	µg/l	0.389	± 0.0254	0.367	0.1101	0.0338	94.4	-0.65
Atrazine-desethyl-desisopropyl	µg/l	-	± -	0.449	0.1347	-	-	-
Atrazine-desisopropyl	µg/l	0.557	± 0.0613	0.604	0.1812	0.0791	108	0.59
Bromacil	µg/l	0.403	± 0.029	0.373	0.1119	0.029	92.6	-1.02

Parameter	Unit	Target	±	CI(99%)	Result	± U	Criteria	Recovery	z-score
Chloridazon	µg/l	0.629	±	0.106	0.478	0.1434	0.132	76	-1.15
Chloridazon-desphenyl	µg/l	0.435	±	0.0609	0.42	0.126	0.0642	96.6	-0.23
Chloridazon-methyl-desphenyl	µg/l	0.0287	±	0.00374	0.024	0.0072	0.0033	83.6	-1.43
Clopyralid	µg/l	0.91	±	0.294	0.976	0.2928	0.24	107	0.27
Cyanazine	µg/l	0.277	±	0.0244	0.246	0.0738	0.0293	88.7	-1.07
Dimethenamide	µg/l	0.163	±	0.0139	0.141	0.0423	0.0123	86.3	-1.83
Diuron	µg/l	-	±	-	<0.02 (LOQ)	-	-	-	-
Metolachlor	µg/l	0.501	±	0.0546	0.405	0.1215	0.0681	80.9	-1.40
N,N-Dimethylsulfamide (DMS)	µg/l	0.943	±	0.0849	0.924	0.2772	0.0749	98	-0.25
Nicosulfurone	µg/l	0.649	±	0.112	0.78	0.234	0.112	120	1.17
Prometryn	µg/l	0.296	±	0.0277	0.293	0.0879	0.0306	99	-0.10
Propazine	µg/l	0.203	±	0.0209	0.21	0.063	0.0251	103	0.28
Sebuthylazine	µg/l	0.434	±	0.02	0.444	0.1332	0.02	102	0.51
Simazine	µg/l	0.215	±	0.0167	0.22	0.066	0.0222	102	0.23
Terbuthylazine	µg/l	0.782	±	0.0652	0.67	0.201	0.0922	85.7	-1.22
Terbuthylazin-desethyl	µg/l	0.43	±	0.0495	0.399	0.1197	0.0595	92.8	-0.52
Terbutryn	µg/l	0.754	±	0.0595	0.658	0.1974	0.0768	87.2	-1.25


Sample
H100 A
H100 B
2,6-Dichlorobenzamide
Alachlor
Atrazine
Atrazine-desethyl
Atrazine-desisopropyl
Bromacil
Chloridazon
Chloridazon-desphenyl
Chloridazon-methyl-desphenyl
Clopyralid
Cyanazine
Dimethenamide
Diuron
Metolachlor
N,N-Dimethylsulfamide (DMS)
Nicosulfurone
Prometryn
Propazine
Sebuthylazine
Simazine
Terbuthylazine
Terbuthylazin-desethyl
Terbutryn
-4.9
-2.0
-2.0
-2.0
Measurand
-2
0
2
-2
0
2
z-score