ENVIRONMENT AGENCY AUSTRIA umweltbundesamt

INTERLABORATORY COMPARISON EVALUATION

Herbicides – H91

Sample dispatch on 3rd March 2015

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1 Interlaboratory comparison H91

1.1 Participants and time schedule

- Number of registrations: 24
- Number of submitted data records: 22
- Dispatch of samples: 3rd March 2015
- Closing date for submission of data: 31st March 2015,

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

1.2 Sampling, sample material and distribution

1 groundwater and 1surface water were selected as sample material. The sampling was carried out on 2nd March 2015. The samples were stored at < 4 °C until further processing. The groundwater was partly spiked with specific substances. The samples were filled into bottles with continuous stirring. The homogeneous mixtures were dispatched on 3rd March 2015. Each participant received:

- 2 samples, filled in 300 and 1000 ml aluminium bottles, respectively.

1.3 Check analysis

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

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

2 Evaluation

The analytical results had to be made available to the organiser not later than 31st March 2015. Any values received at a later date were not considered. A statistical evaluation of interlaboratory comparison data was only carried out if at least 6 valid results per parameter were available.

To evaluate the data, outliers were detected first by using the outlier test method according to Hampel. Values identified as conspicuous by this test method are marked specifically in the parameter-oriented evaluation. Further evaluation was performed in accordance with DIN ISO 5725-2. The adjusted average value (after removal of outliers) for all submitted results was used as a basis for the calculation of recovery rates.

z-Score

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

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

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.

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

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

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

3 Representation and interpretation of measurement results

The parameter-oriented evaluation shows the measurement values including uncertainty, recovery rate, calculated z-Score and the outliers in tabular form. The results listed in the table are also illustrated in graphical form (see 5 Explanatary notes on the parameter oriented report)

4 Explanatory notes

None.

5 Explanatory notes on the parameter oriented report

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

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.015	0.0001	89. 7	-0.5	
LC0002	0.0148	0.003	88. 5	0.6	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
. . .					
LC0009	0.100	0.01	597.9	24.2	H

Symbols and abbreviations:

± U Results uncertainty as indicated by participant

\- *No data available*

Possible remarks in the column comments:

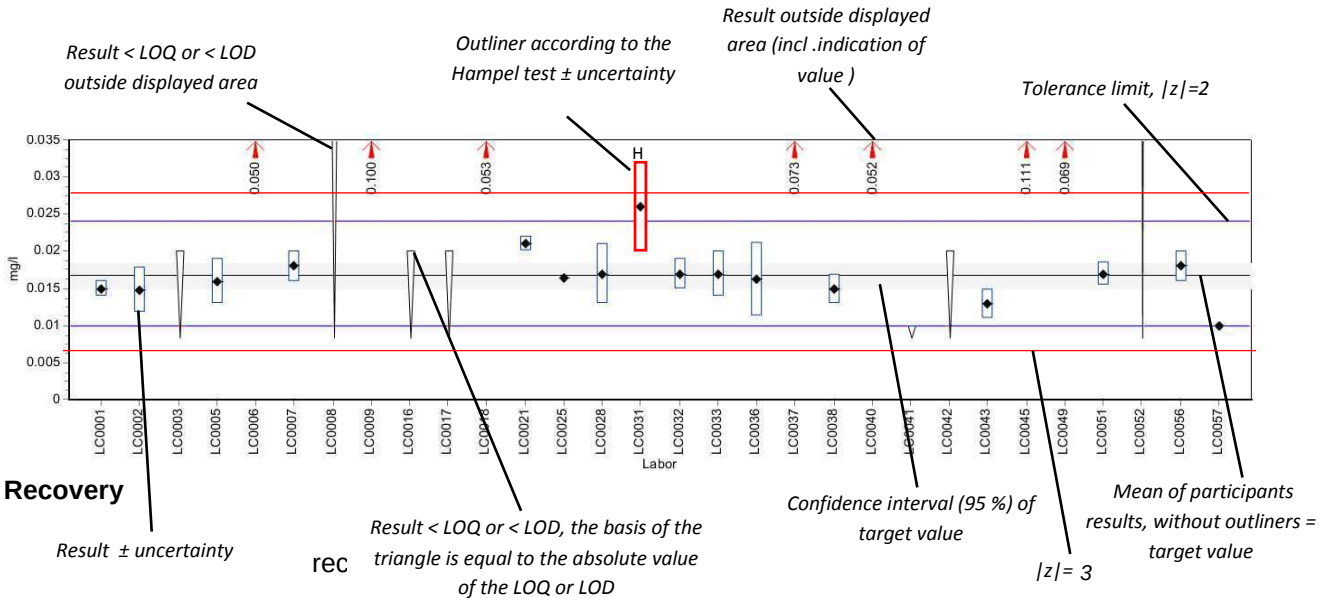
H Outliner according to Hampel-Test

FN False negative – For a result < LOQ (level of quantification): The absolute value of the LOD/LOQ fulfils the condition of an outliner according to the Hampel test.

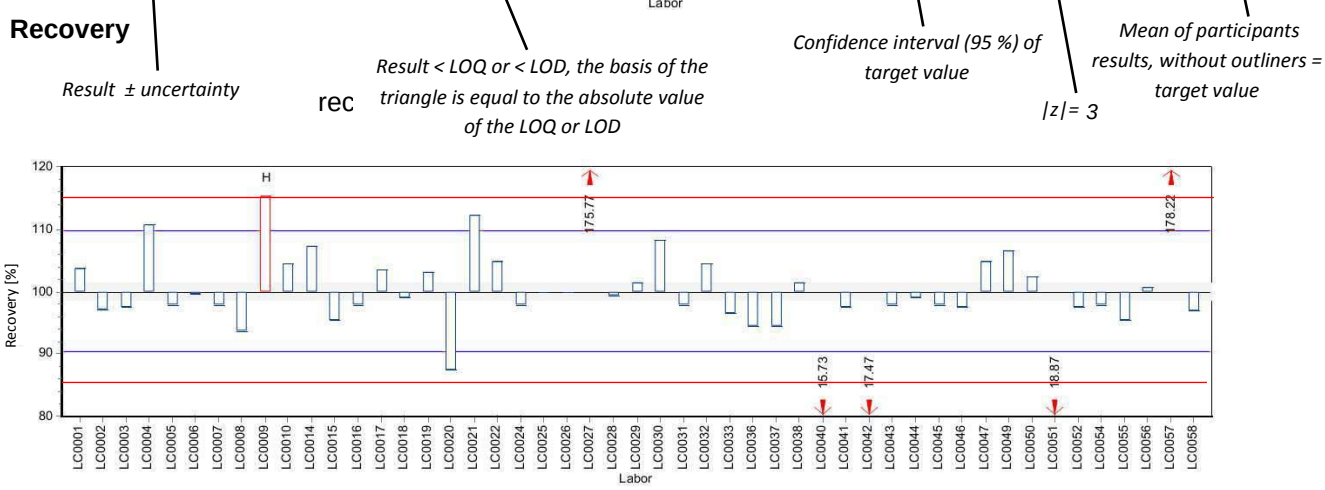
FP False positive – For parameters where no target value is available because of a too low analyte content (n < 6): Result that exceeds the median of the absolute values of the transmitted LOD/LOQs by more than 100 %.

Graphical presentation of results

Results

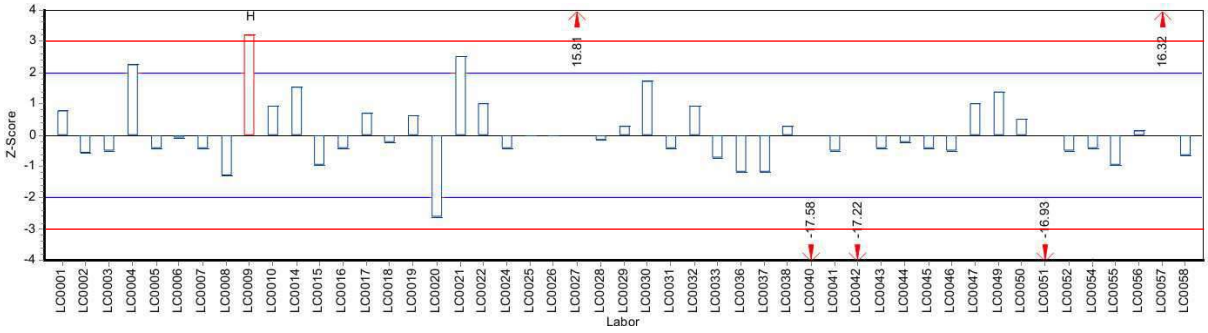


Recovery



z-Score

Presentation of results as z-scores.



6 Summary of results, after removal of outliers

Parameter	Sample	Unit	Number of results for calculation	Number of outliners	Mean	±	CI (99%)	Minimum	Maximum	SD	RSD
2,6-Dichlorobenzamide	H91 A	µg/l	17	0	0.312	±	0.039	0.21	0.378	0.0536	17.2
	H91 B	µg/l	16	1	0.834	±	0.0949	0.559	0.978	0.127	15.2
Alachlor	H91 A	µg/l	15	1	0.492	±	0.042	0.409	0.573	0.0542	11
	H91 B	µg/l	15	1	0.848	±	0.0638	0.6938	0.9525	0.0824	9.72
Atrazine	H91 A	µg/l	21	1	0.26	±	0.0159	0.214	0.3	0.0243	9.33
	H91 B	µg/l	21	1	0.804	±	0.0575	0.653	0.988	0.0878	10.9
Desethylatrazine	H91 A	µg/l	17	3	0.135	±	0.00714	0.117	0.151	0.00981	7.28
	H91 B	µg/l	6	0	0.0104	±	0.00177	0.009	0.013	0.00144	13.9
Desethylterbuthylazine	H91 A	µg/l	15	2	0.299	±	0.017	0.249	0.344	0.0219	7.32
	H91 B	µg/l	1	0	-	±	-	0.002	0.002	-	-
Desisopropylatrazine	H91 A	µg/l	18	1	0.0859	±	0.0115	0.062	0.123	0.0163	18.9
	H91 B	µg/l	0	0	-	±	-	-	-	-	-
Bromacil	H91 A	µg/l	11	0	0.7	±	0.126	0.387	0.864	0.139	19.9
	H91 B	µg/l	10	1	0.405	±	0.0484	0.322	0.479	0.051	12.6
Cyanazine	H91 A	µg/l	0	0	-	±	-	-	-	-	-
	H91 B	µg/l	18	1	0.208	±	0.0194	0.163	0.273	0.0274	13.2
Diuron	H91 A	µg/l	16	0	0.0857	±	0.00565	0.07	0.098	0.00753	8.79
	H91 B	µg/l	4	1	-	±	-	0.004	0.0054	-	-
Metolachlor	H91 A	µg/l	16	3	0.113	±	0.0105	0.084	0.138	0.014	12.4
	H91 B	µg/l	1	0	-	±	-	0.823	0.823	-	-
Prometryn	H91 A	µg/l	12	2	0.498	±	0.0272	0.457	0.55	0.0314	6.29
	H91 B	µg/l	13	1	0.384	±	0.0401	0.255	0.438	0.0482	12.6
Propazine	H91 A	µg/l	20	1	0.0869	±	0.00613	0.065	0.1035	0.00915	10.5
	H91 B	µg/l	5	0	-	±	-	0.008	0.0111	-	-
Sebuthylazine	H91 A	µg/l	12	2	0.0836	±	0.00641	0.072	0.095	0.0074	8.85
	H91 B	µg/l	0	0	-	±	-	-	-	-	-
Simazine	H91 A	µg/l	0	0	-	±	-	-	-	-	-

Summary of results, after removal of outliers: Herbicides H91

Parameter	Sample	Unit	Number of results for calculation	Number of outliners	Mean	±	CI (99%)	Minimum	Maximum	SD	RSD
Simazine	H91 B	µg/l	18	4	0.236	±	0.0151	0.187	0.2639	0.0214	9.04
Terbuthylazine	H91 A	µg/l	19	2	0.17	±	0.0101	0.15	0.214	0.0147	8.63
	H91 B	µg/l	4	0	-	±	-	0.004	0.005	-	-
Terbutryn	H91 A	µg/l	18	1	0.569	±	0.0411	0.473	0.661	0.0581	10.2
	H91 B	µg/l	18	1	0.411	±	0.0323	0.322	0.478	0.0456	11.1
Chloridazon	H91 A	µg/l	12	0	0.231	±	0.0274	0.151	0.271	0.0317	13.7
	H91 B	µg/l	12	0	0.74	±	0.105	0.562	0.952	0.121	16.4
Desphenylchloridazon	H91 A	µg/l	8	0	0.171	±	0.0156	0.147	0.189	0.0147	8.6
	H91 B	µg/l	7	1	0.714	±	0.075	0.62	0.805	0.0661	9.25
Methyldesphenylchloridazon	H91 A	µg/l	11	0	0.0764	±	0.012	0.052	0.098	0.0133	17.4
	H91 B	µg/l	7	0	0.0279	±	0.00994	0.014	0.043	0.00877	31.5
Desethyldesisopropylatrazine	H91 A	µg/l	2	0	-	±	-	0.076	0.107	-	-
	H91 B	µg/l	3	0	-	±	-	0.099	0.345	-	-
Nicosulfuron	H91 A	µg/l	1	0	-	±	-	2.3	2.3	-	-
	H91 B	µg/l	4	2	-	±	-	0.072	0.094	-	-
Dimethylsulfamide	H91 A	µg/l	7	0	0.517	±	0.0303	0.468	0.544	0.0267	5.17
	H91 B	µg/l	0	0	-	±	-	-	-	-	-
Clopyralid	H91 A	µg/l	5	0	-	±	-	0.362	0.634	-	-
	H91 B	µg/l	5	0	-	±	-	0.8	0.97	-	-
Dimethenamide	H91 A	µg/l	0	0	-	±	-	-	-	-	-
	H91 B	µg/l	9	0	0.523	±	0.0591	0.449	0.645	0.0591	11.3

7 Parameter oriented report

Parameter oriented report

H91 A

2,6-Dichlorobenzamide

Unit	µg/l
Mean ± Cl (99%)	0.312 ± 0.039
Minimum - Maximum	0.21 - 0.378
Check value ± U	0.34 ± 0.047

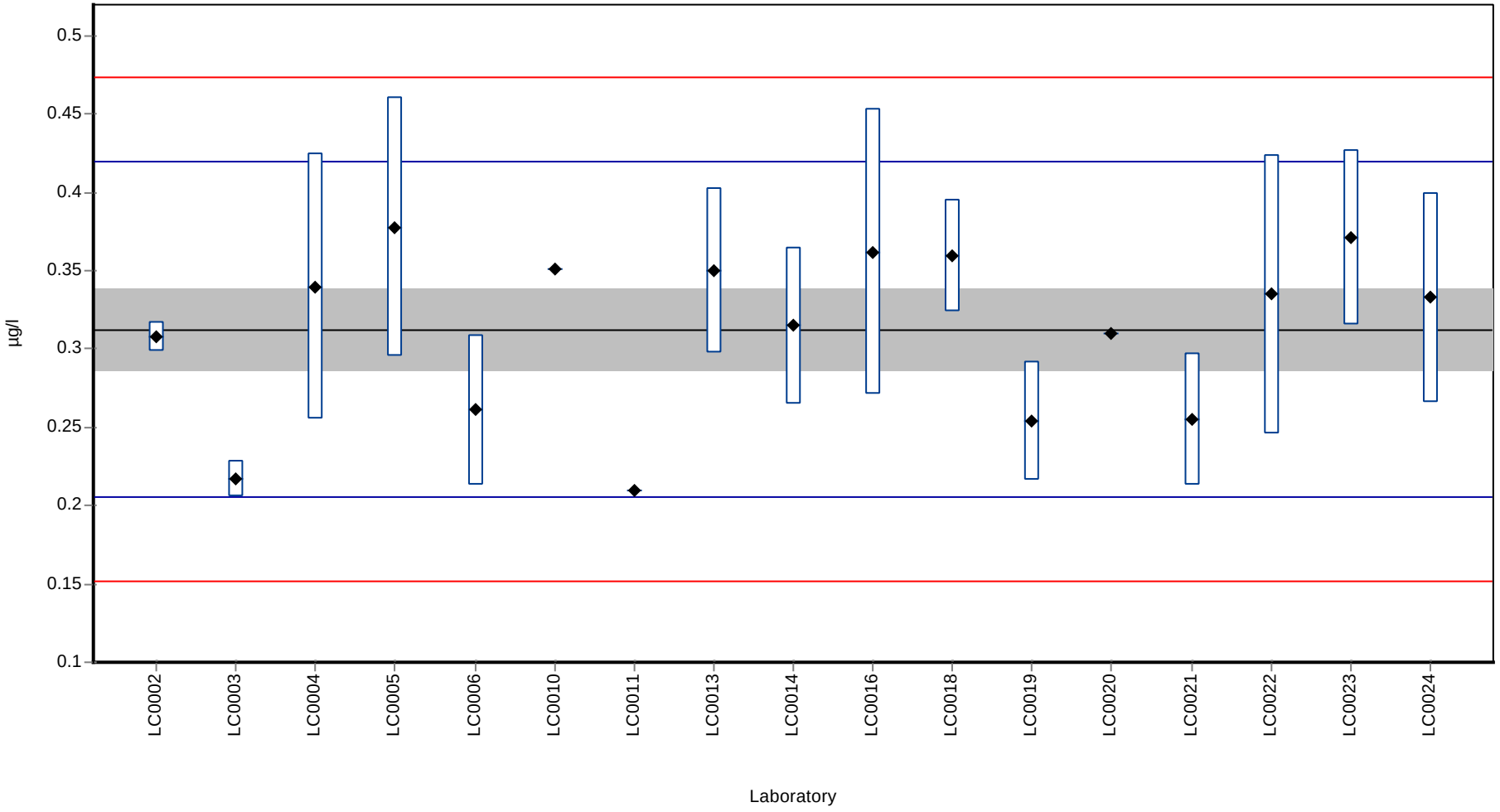
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	0.308	0.0094	98.6	-0.1	
LC0003	0.217	0.012	69.5	-1.8	
LC0004	0.340	0.085	108.8	0.5	
LC0005	0.378	0.083	121.0	1.2	
LC0006	0.261	0.048	83.6	-1.0	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	-	-	-	-	
LC0010	0.3508	-	112.3	0.7	
LC0011	0.210	-	67.2	-1.9	
LC0012	-	-	-	-	
LC0013	0.3504	0.0526	112.2	0.7	
LC0014	0.315	0.050	100.8	0.0	
LC0015	-	-	-	-	
LC0016	0.362	0.091	115.9	0.9	
LC0017	-	-	-	-	
LC0018	0.360	0.036	115.2	0.9	
LC0019	0.254	0.038	81.3	-1.1	
LC0020	0.310	-	99.2	0.0	
LC0021	0.255	0.042	81.6	-1.1	
LC0022	0.335	0.089	107.2	0.4	
LC0023	0.371	0.056	118.8	1.1	
LC0024	0.333	0.067	106.6	0.4	

Characteristics of parameter

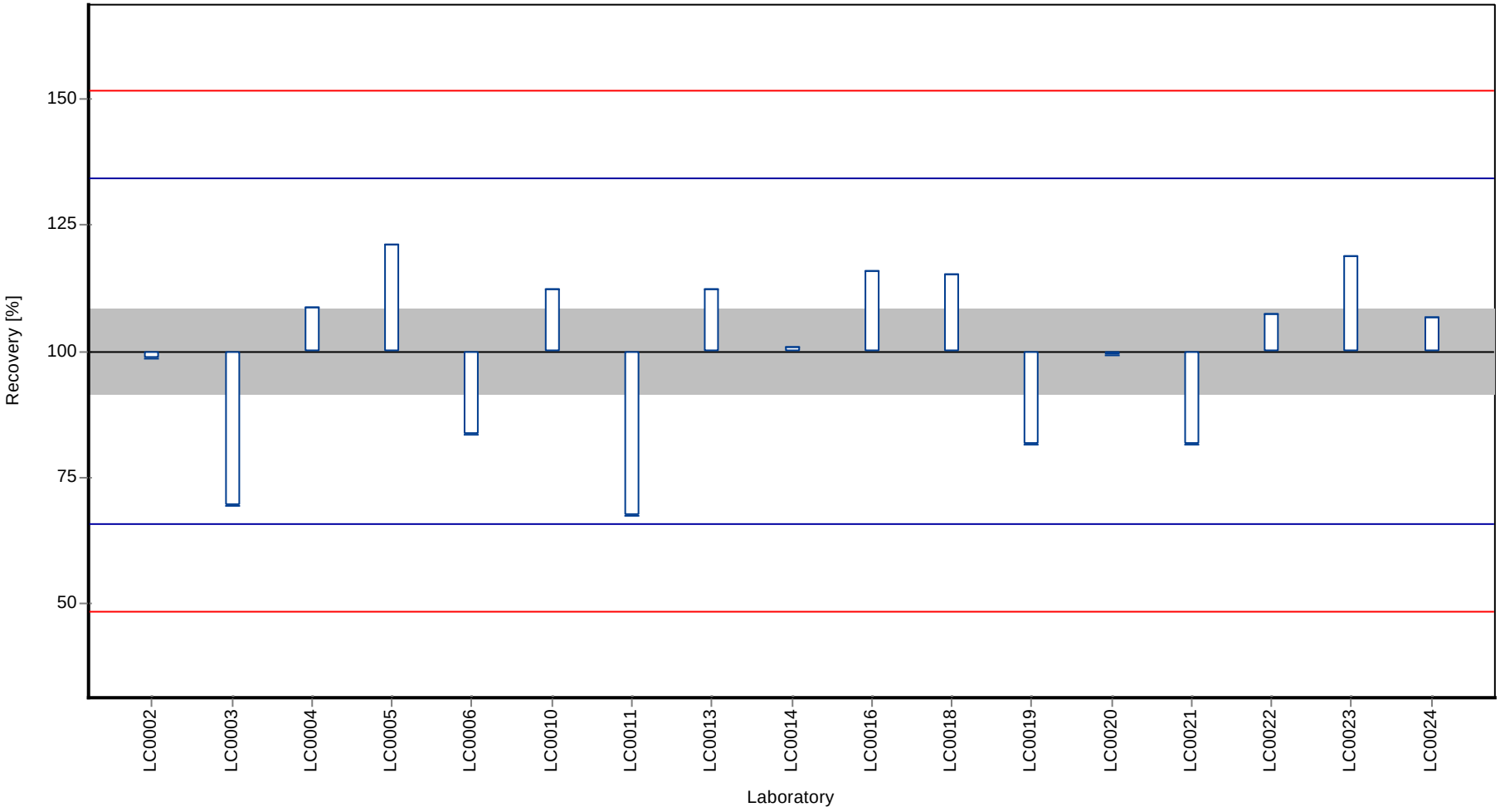
	all results	without outliners	Unit
Mean ± Cl (99%)	0.312 ± 0.039	0.312 ± 0.039	µg/l
Minimum	0.21	0.21	µg/l
Maximum	0.378	0.378	µg/l
Standard deviation	0.0536	0.0536	µg/l
rel. Standard deviation	17.2	17.2	%
n	17	17	-

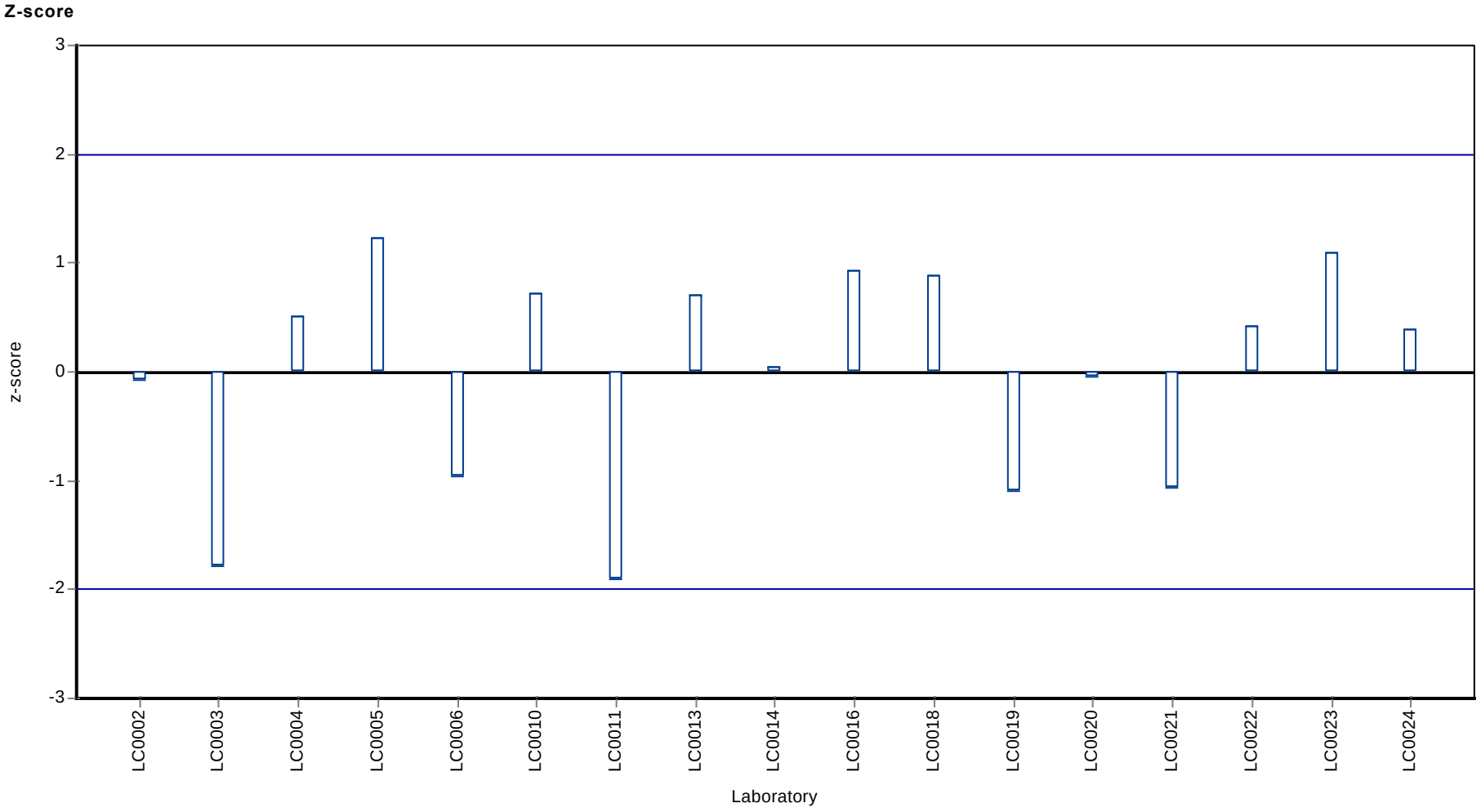
Graphical presentation of results

Results



Recovery rate




Z-score
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-1
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z-score
LC0002
LC0003
LC0004
LC0005
LC0006
LC0010
LC0011
LC0013
LC0014
LC0016
LC0018
LC0019
LC0020
LC0021
LC0022
LC0023
LC0024
Laboratory

Parameter oriented report

H91 B

2,6-Dichlorobenzamide

Unit	µg/l
Mean ± Cl (99%)	0.834 ± 0.0949
Minimum - Maximum	0.559 - 0.978
Check value ± U	0.81 ± 0.074

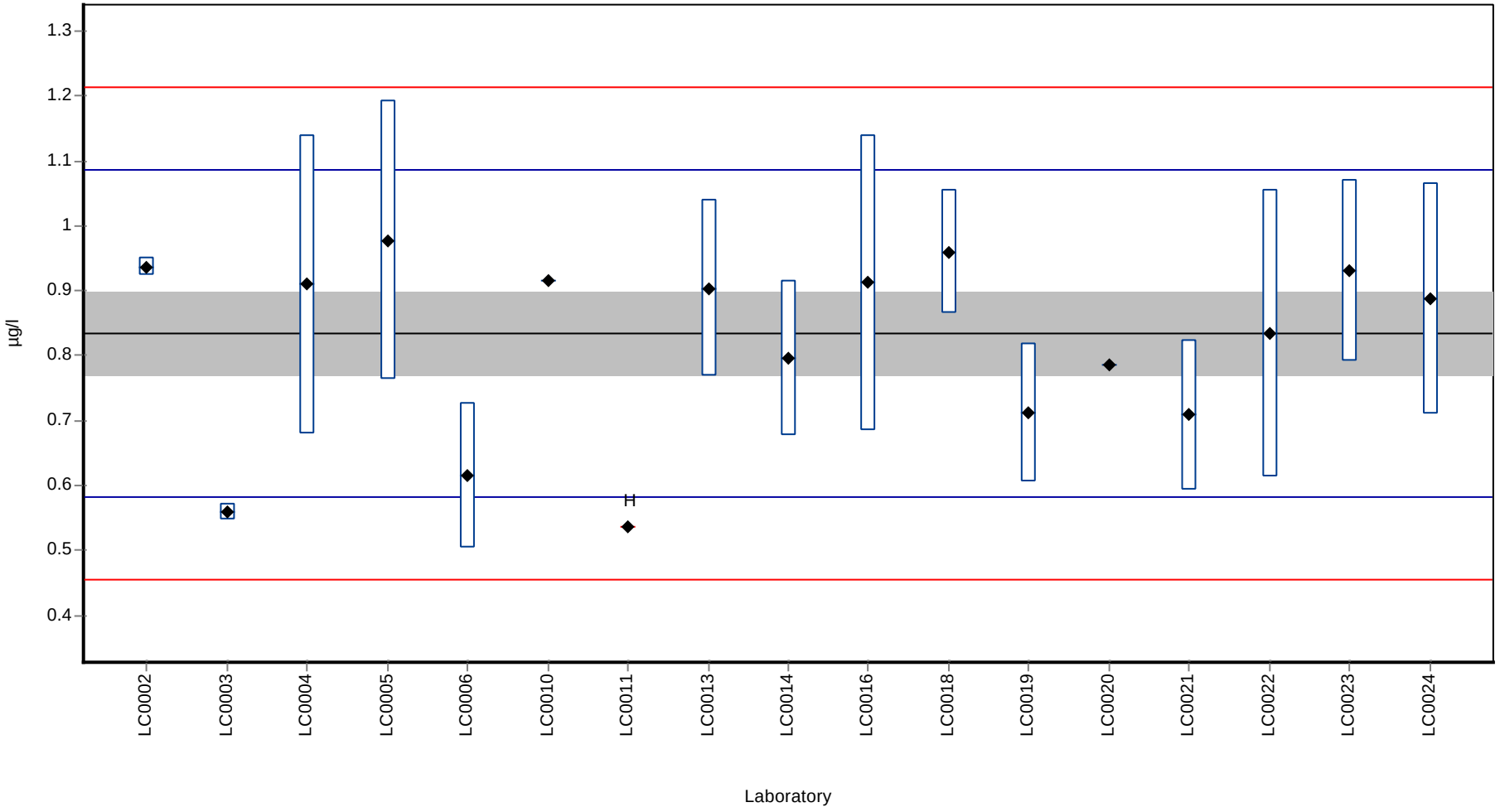
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	0.937	0.0135	112.3	0.8	
LC0003	0.559	0.012	67.0	-2.2	
LC0004	0.910	0.230	109.1	0.6	
LC0005	0.978	0.215	117.2	1.1	
LC0006	0.616	0.112	73.8	-1.7	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	-	-	-	-	
LC0010	0.9158	-	109.8	0.6	
LC0011	0.537	-	64.4	-2.3	H
LC0012	-	-	-	-	
LC0013	0.904	0.1356	108.4	0.6	
LC0014	0.796	0.119	95.4	-0.3	
LC0015	-	-	-	-	
LC0016	0.912	0.228	109.3	0.6	
LC0017	-	-	-	-	
LC0018	0.960	0.096	115.1	1.0	
LC0019	0.712	0.107	85.3	-1.0	
LC0020	0.786	-	94.2	-0.4	
LC0021	0.709	0.116	85.0	-1.0	
LC0022	0.835	0.221	100.1	0.0	
LC0023	0.931	0.140	111.6	0.8	
LC0024	0.888	0.178	106.4	0.4	

Characteristics of parameter

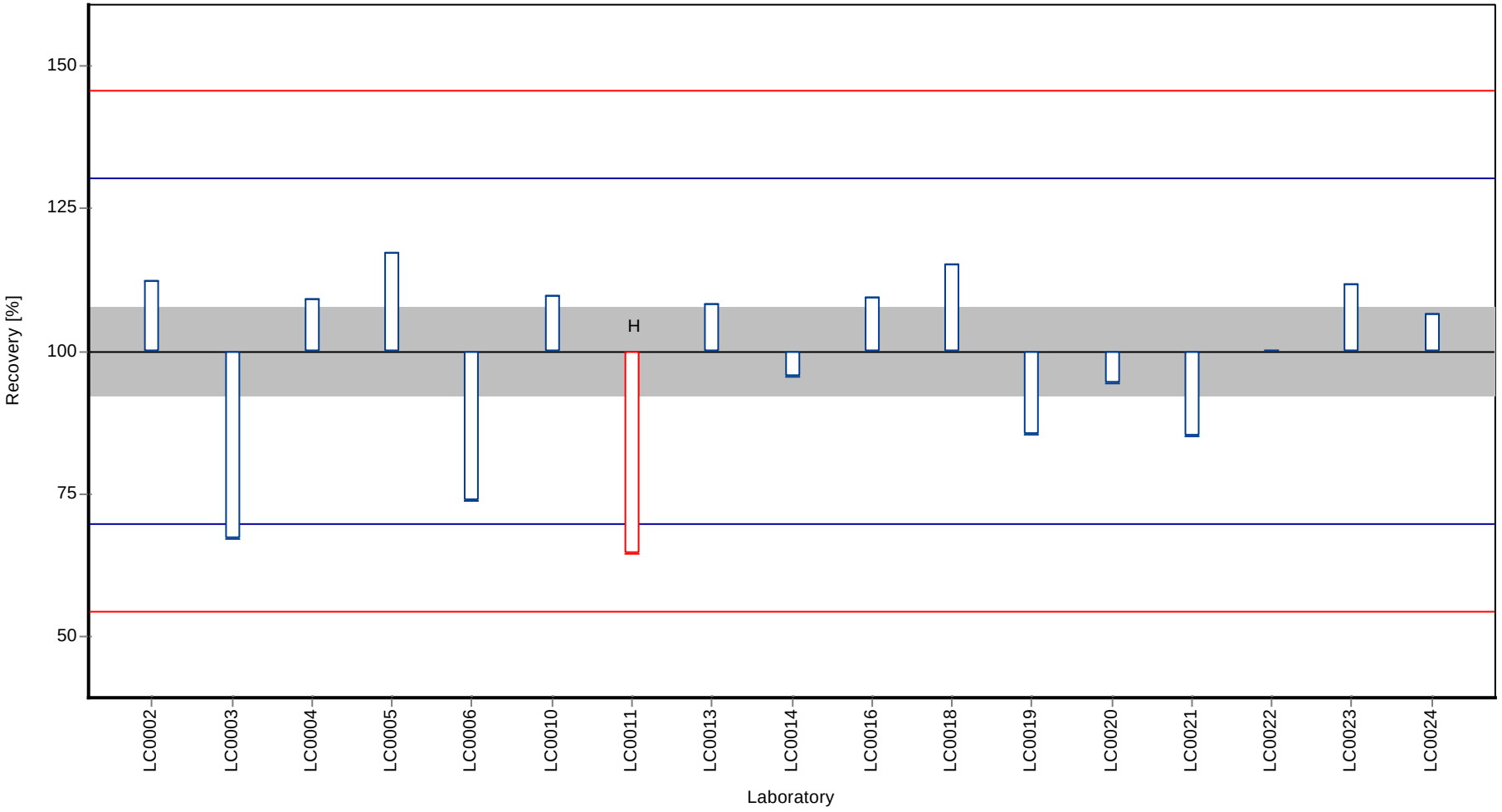
	all results	without outliners	Unit
Mean ± Cl (99%)	0.817 ± 0.103	0.834 ± 0.0949	µg/l
Minimum	0.537	0.559	µg/l
Maximum	0.978	0.978	µg/l
Standard deviation	0.142	0.127	µg/l
rel. Standard deviation	17.4	15.2	%
n	17	16	-

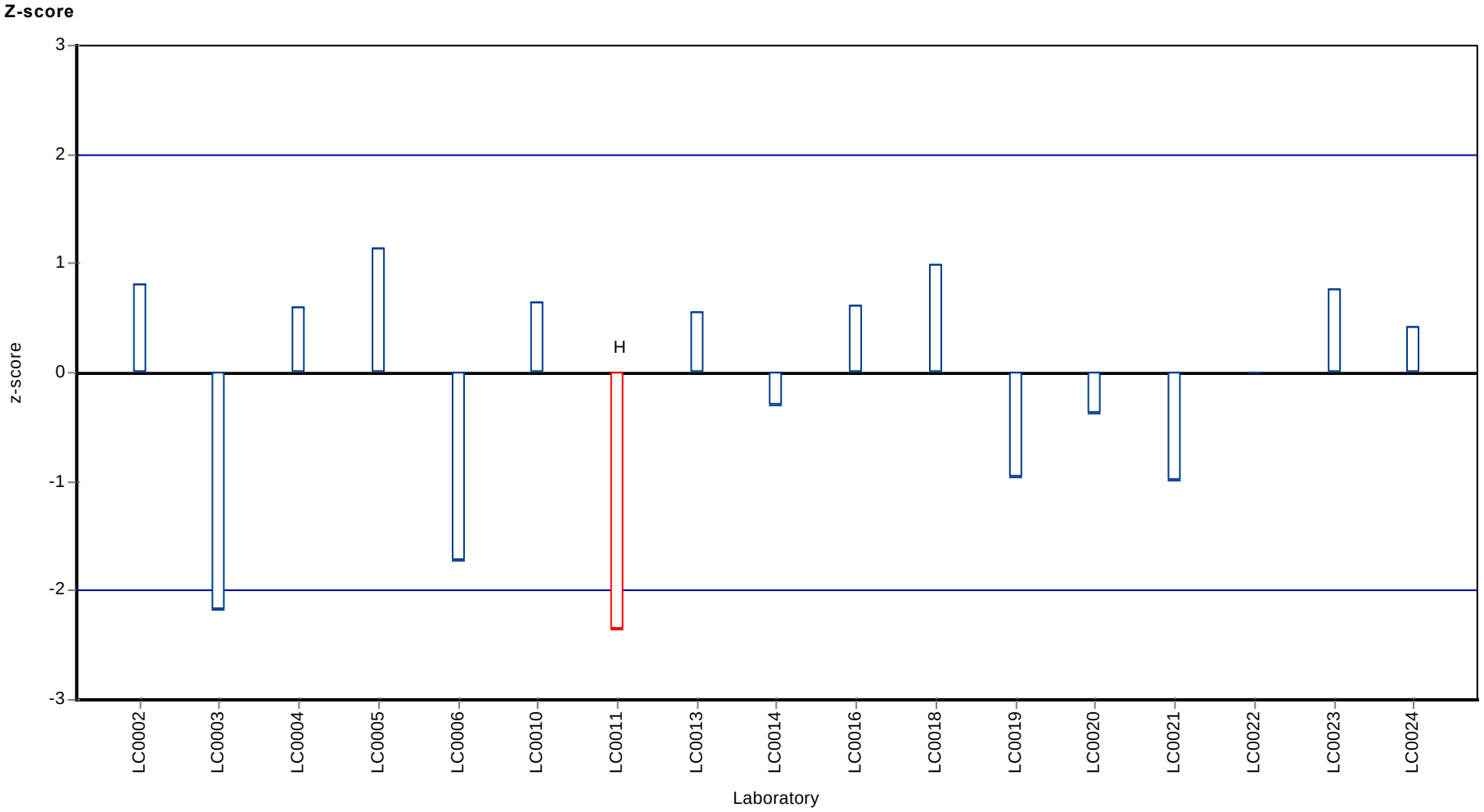
Graphical presentation of results

Results



Recovery rate




Z-score
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z-score
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LC0002
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LC0004
LC0005
LC0006
LC0010
LC0011
LC0013
LC0014
LC0016
LC0018
LC0019
LC0020
LC0021
LC0022
LC0023
LC0024
Laboratory

Parameter oriented report

H91 A

Alachlor

Unit	µg/l
Mean ± Cl (99%)	0.492 ± 0.042
Minimum - Maximum	0.409 - 0.573
Check value ± U	0.53 ± 0.034

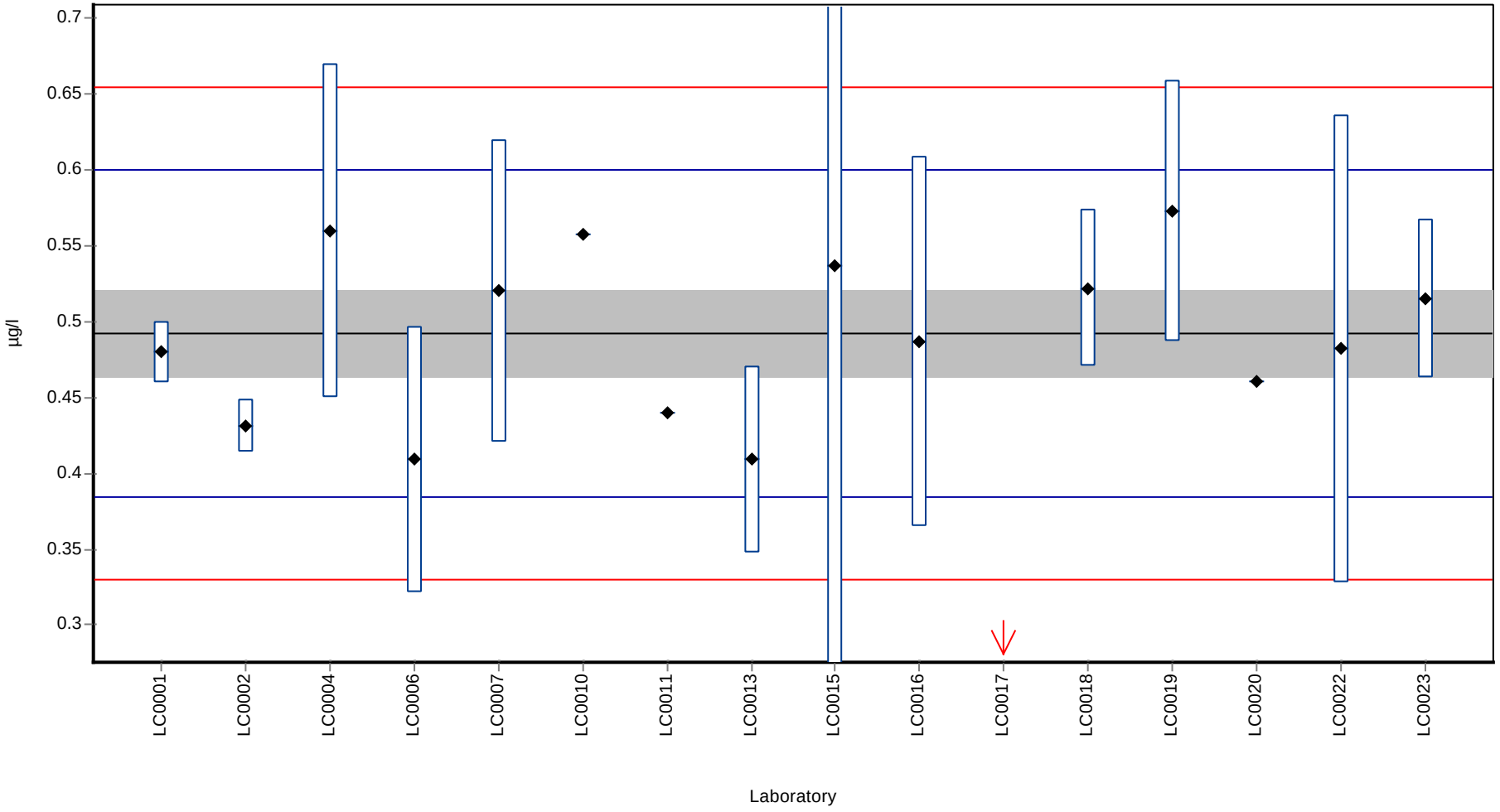
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.480	0.020	97.5	-0.2	
LC0002	0.431	0.0176	87.6	-1.1	
LC0003	-	-	-	-	
LC0004	0.560	0.110	113.8	1.3	
LC0005	-	-	-	-	
LC0006	0.409	0.088	83.1	-1.5	
LC0007	0.520	0.100	105.6	0.5	
LC0008	-	-	-	-	
LC0009	-	-	-	-	
LC0010	0.5573	-	113.2	1.2	
LC0011	0.440	-	89.4	-1.0	
LC0012	-	-	-	-	
LC0013	0.409	0.0614	83.1	-1.5	
LC0014	-	-	-	-	
LC0015	0.537	50.000	109.1	0.8	
LC0016	0.487	0.122	98.9	-0.1	
LC0017	0.158	0.032	32.1	-6.2	H
LC0018	0.522	0.052	106.1	0.5	
LC0019	0.573	0.086	116.4	1.5	
LC0020	0.461	-	93.7	-0.6	
LC0021	-	-	-	-	
LC0022	0.482	0.154	97.9	-0.2	
LC0023	0.515	0.052	104.6	0.4	
LC0024	-	-	-	-	

Characteristics of parameter

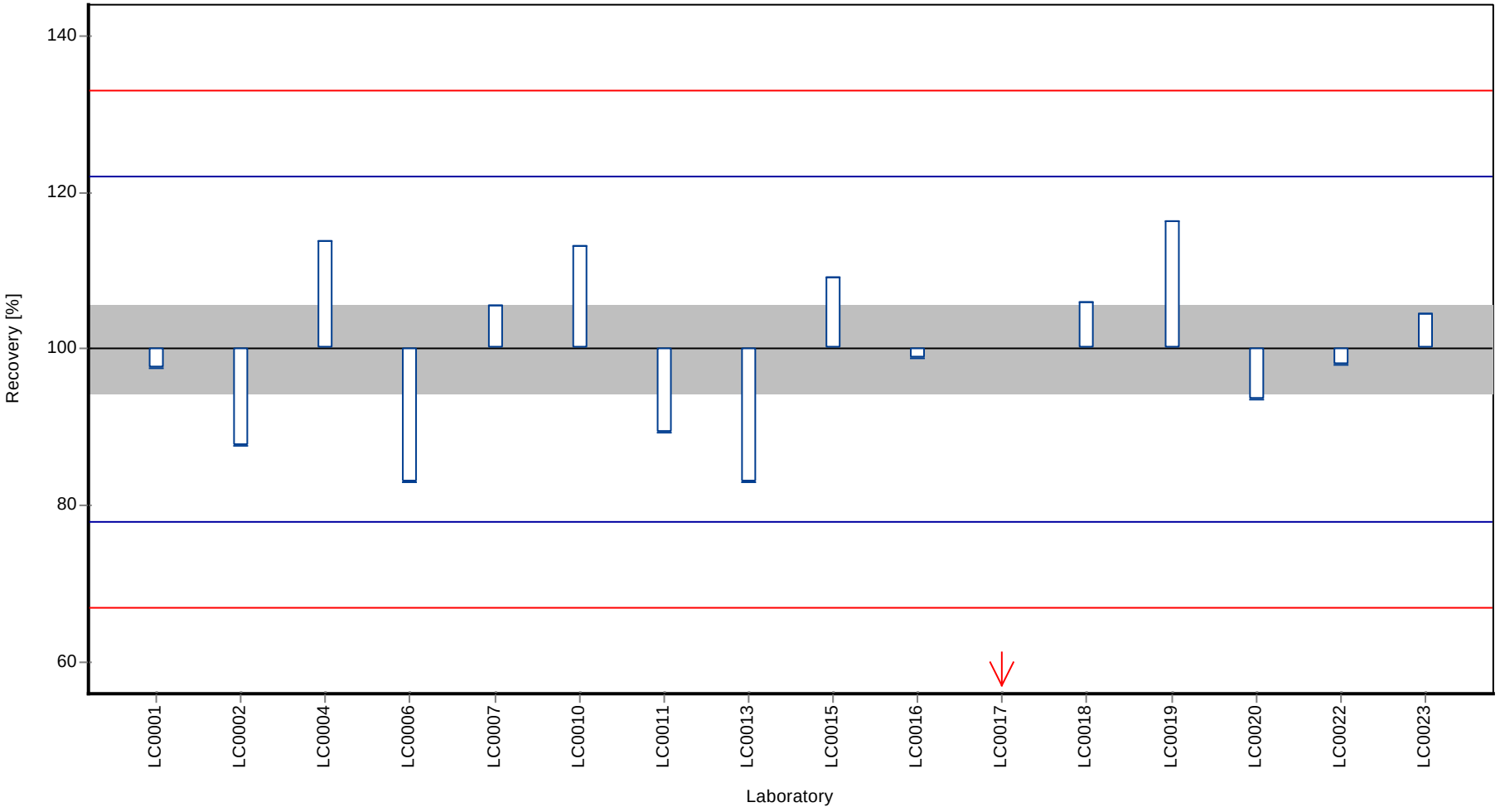
	all results	without outliners	Unit
Mean ± Cl (99%)	0.471 ± 0.074	0.492 ± 0.042	µg/l
Minimum	0.158	0.409	µg/l
Maximum	0.573	0.573	µg/l
Standard deviation	0.0986	0.0542	µg/l
rel. Standard deviation	20.9	11	%
n	16	15	-

Graphical presentation of results

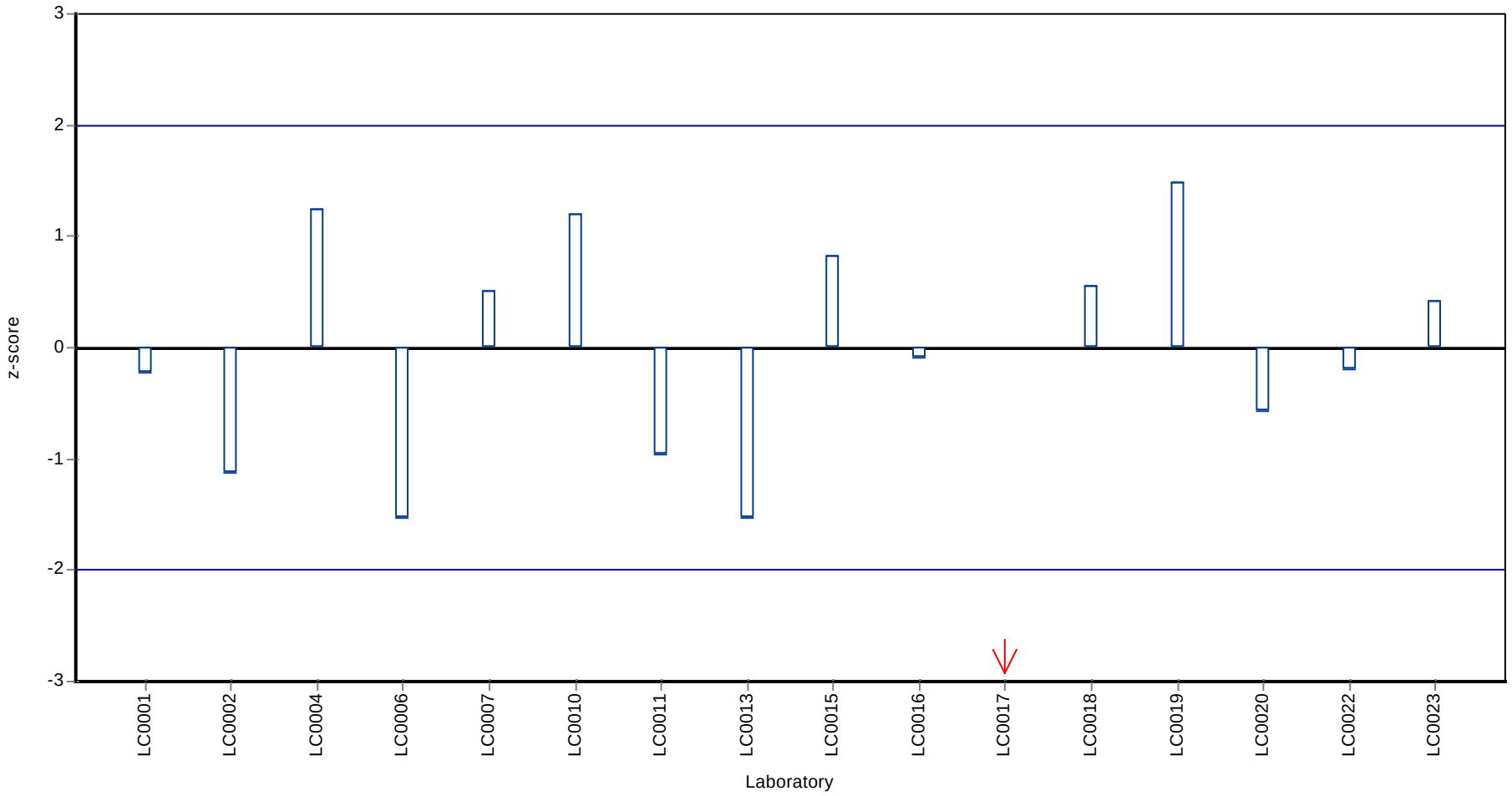
Results



Recovery rate



Z-score


3
2
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-1
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-3
z-score
LC0001
LC0002
LC0004
LC0006
LC0007
LC0010
LC0011
LC0013
LC0015
LC0016
LC0017
LC0018
LC0019
LC0020
LC0022
LC0023
Laboratory

Parameter oriented report

H91 B

Alachlor

Unit	µg/l
Mean ± Cl (99%)	0.848 ± 0.0638
Minimum - Maximum	0.6938 - 0.9525
Check value ± U	0.76 ± 0.098

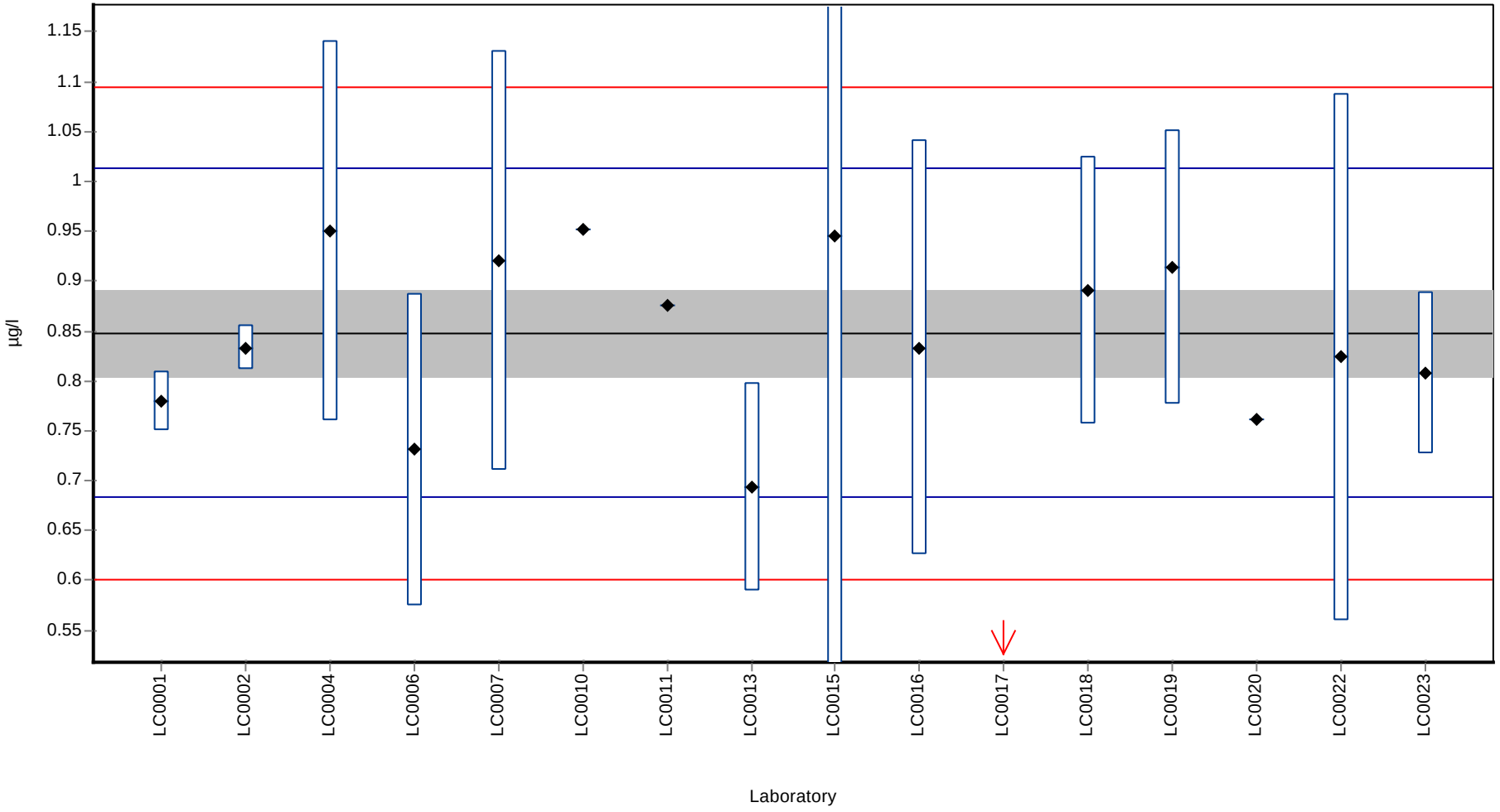
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.780	0.030	92.0	-0.8	
LC0002	0.833	0.0226	98.3	-0.2	
LC0003	-	-	-	-	
LC0004	0.950	0.190	112.1	1.2	
LC0005	-	-	-	-	
LC0006	0.731	0.156	86.2	-1.4	
LC0007	0.920	0.210	108.5	0.9	
LC0008	-	-	-	-	
LC0009	-	-	-	-	
LC0010	0.9525	-	112.4	1.3	
LC0011	0.876	-	103.4	0.3	
LC0012	-	-	-	-	
LC0013	0.6938	0.1041	81.9	-1.9	
LC0014	-	-	-	-	
LC0015	0.945	50.000	111.5	1.2	
LC0016	0.833	0.208	98.3	-0.2	
LC0017	0.270	0.054	31.9	-7.0	H
LC0018	0.891	0.134	105.1	0.5	
LC0019	0.914	0.137	107.8	0.8	
LC0020	0.762	-	89.9	-1.0	
LC0021	-	-	-	-	
LC0022	0.824	0.264	97.2	-0.3	
LC0023	0.808	0.081	95.3	-0.5	
LC0024	-	-	-	-	

Characteristics of parameter

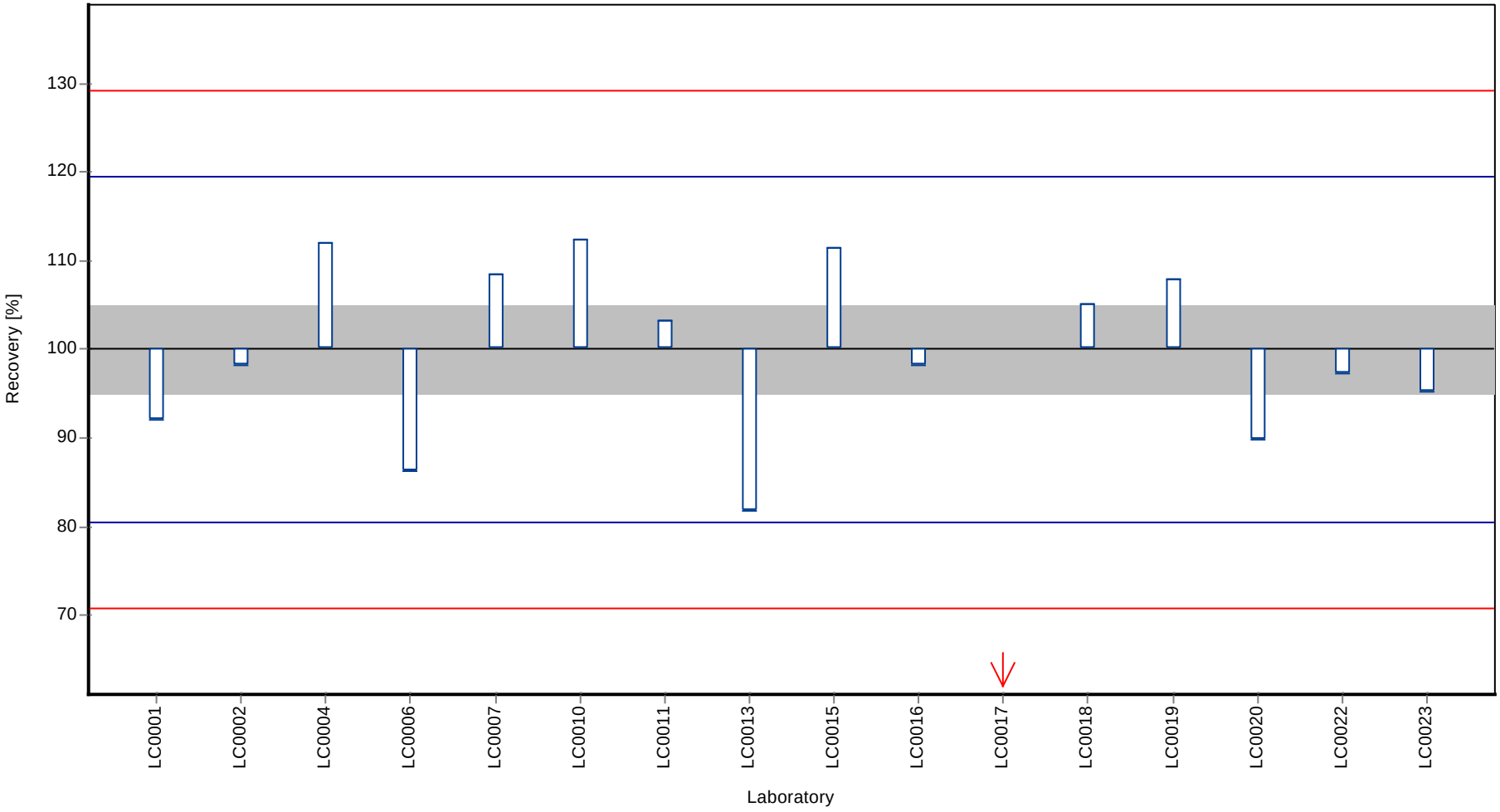
	all results	without outliners	Unit
Mean ± Cl (99%)	0.811 ± 0.124	0.848 ± 0.0638	µg/l
Minimum	0.27	0.694	µg/l
Maximum	0.953	0.953	µg/l
Standard deviation	0.165	0.0824	µg/l
rel. Standard deviation	20.3	9.72	%
n	16	15	-

Graphical presentation of results

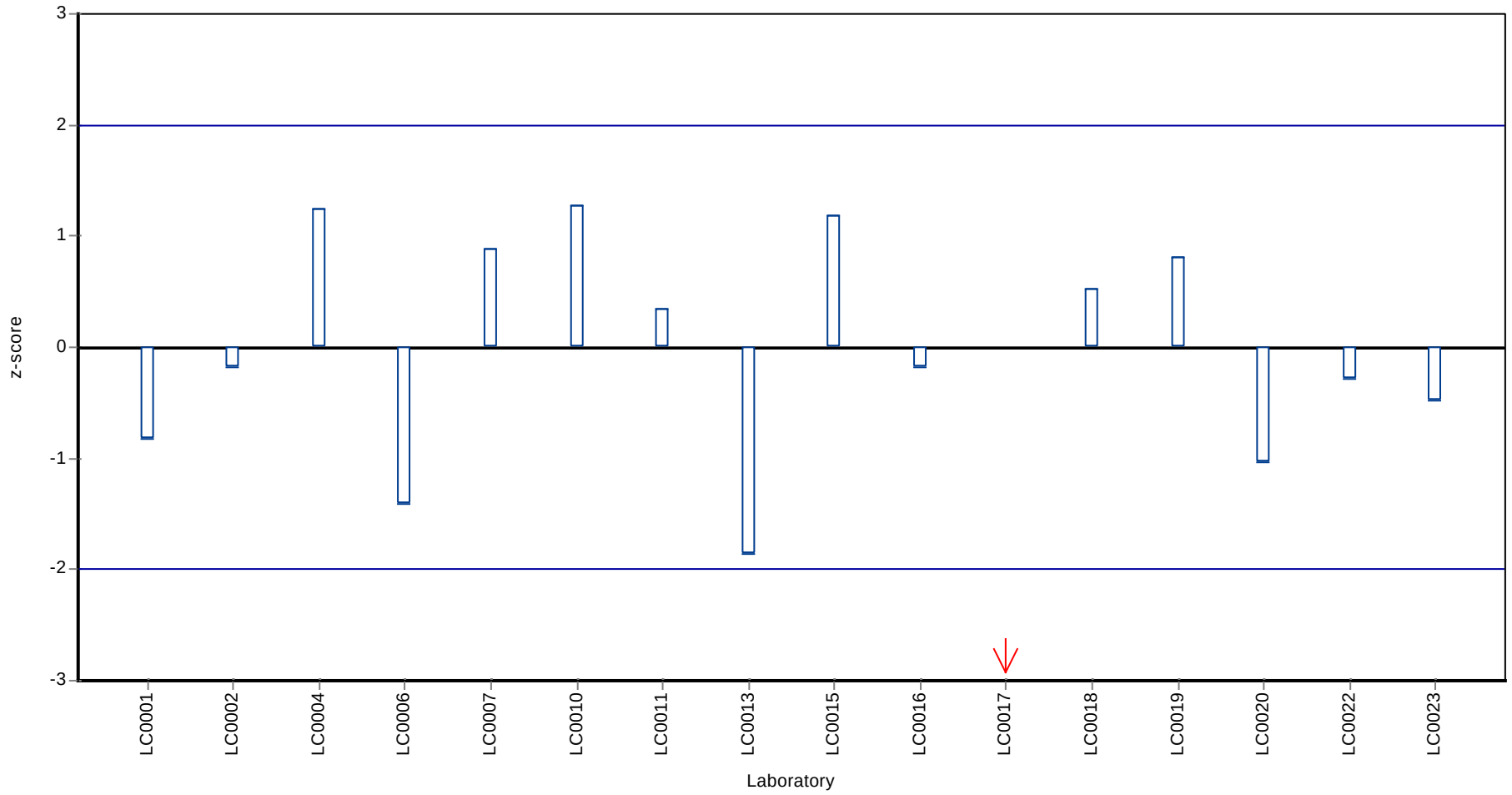
Results



Recovery rate



Z-score


3
2
1
0
-1
-2
-3
z-score
LC0001
LC0002
LC0004
LC0006
LC0007
LC0010
LC0011
LC0013
LC0015
LC0016
LC0017
LC0018
LC0019
LC0020
LC0022
LC0023
Laboratory

Parameter oriented report

H91 A

Atrazine

Unit	µg/l
Mean ± Cl (99%)	0.26 ± 0.0159
Minimum - Maximum	0.214 - 0.3
Check value ± U	0.26 ± 0.15

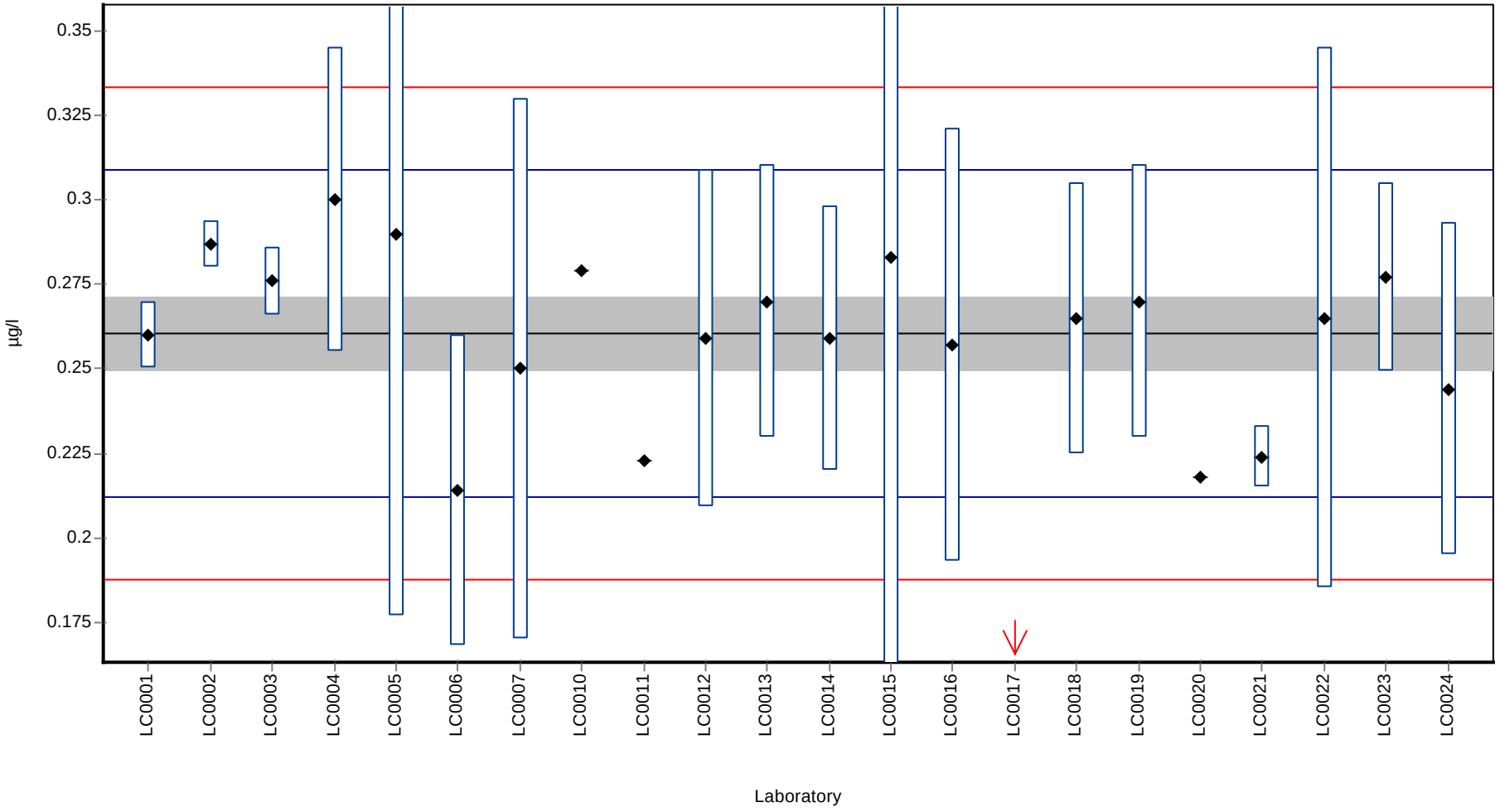
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.260	0.010	99.8	0.0	
LC0002	0.287	0.0068	110.2	1.1	
LC0003	0.276	0.010	106.0	0.6	
LC0004	0.300	0.045	115.2	1.6	
LC0005	0.290	0.113	111.3	1.2	
LC0006	0.214	0.046	82.2	-1.9	
LC0007	0.250	0.080	96.0	-0.4	
LC0008	-	-	-	-	
LC0009	-	-	-	-	
LC0010	0.279	-	107.1	0.8	
LC0011	0.223	-	85.6	-1.5	
LC0012	0.259	0.050	99.4	-0.1	
LC0013	0.270	0.0405	103.7	0.4	
LC0014	0.259	0.039	99.4	-0.1	
LC0015	0.283	50.000	108.6	0.9	
LC0016	0.257	0.064	98.7	-0.1	
LC0017	0.083	0.017	31.9	-7.3	H
LC0018	0.265	0.040	101.7	0.2	
LC0019	0.270	0.0405	103.7	0.4	
LC0020	0.218	-	83.7	-1.7	
LC0021	0.224	0.009	86.0	-1.5	
LC0022	0.265	0.080	101.7	0.2	
LC0023	0.277	0.028	106.3	0.7	
LC0024	0.244	0.049	93.7	-0.7	

Characteristics of parameter

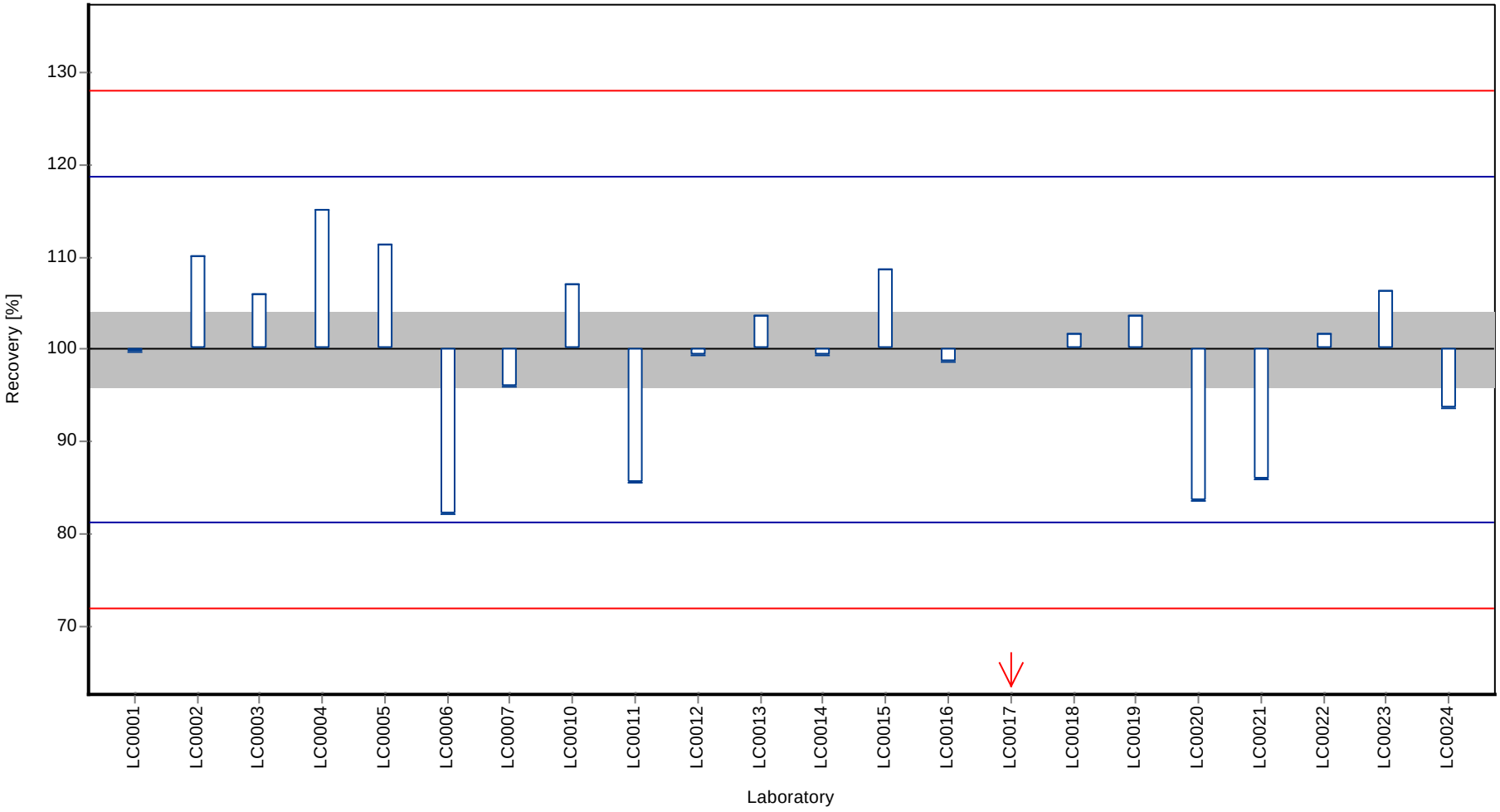
	all results	without outliners	Unit
Mean ± Cl (99%)	0.252 ± 0.0286	0.26 ± 0.0159	µg/l
Minimum	0.083	0.214	µg/l
Maximum	0.3	0.3	µg/l
Standard deviation	0.0447	0.0243	µg/l
rel. Standard deviation	17.7	9.33	%
n	22	21	-

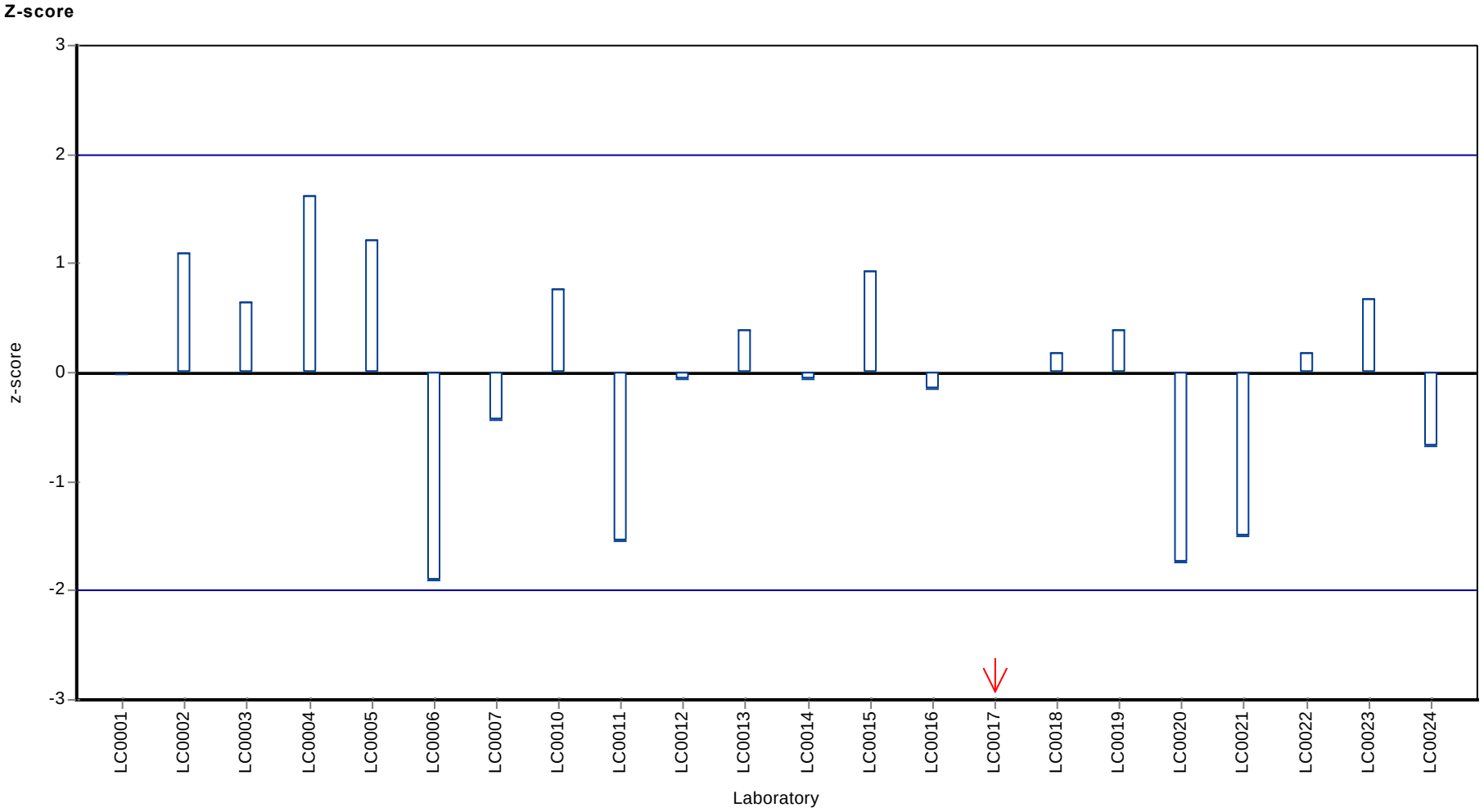
Graphical presentation of results

Results



Recovery rate




Z-score
3
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1
0
-1
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z-score
LC0001
LC0002
LC0003
LC0004
LC0005
LC0006
LC0007
LC0010
LC0011
LC0012
LC0013
LC0014
LC0015
LC0016
LC0017
LC0018
LC0019
LC0020
LC0021
LC0022
LC0023
LC0024
Laboratory

Parameter oriented report

H91 B

Atrazine

Unit	µg/l
Mean ± Cl (99%)	0.804 ± 0.0575
Minimum - Maximum	0.653 - 0.988
Check value ± U	0.96 ± 0.061

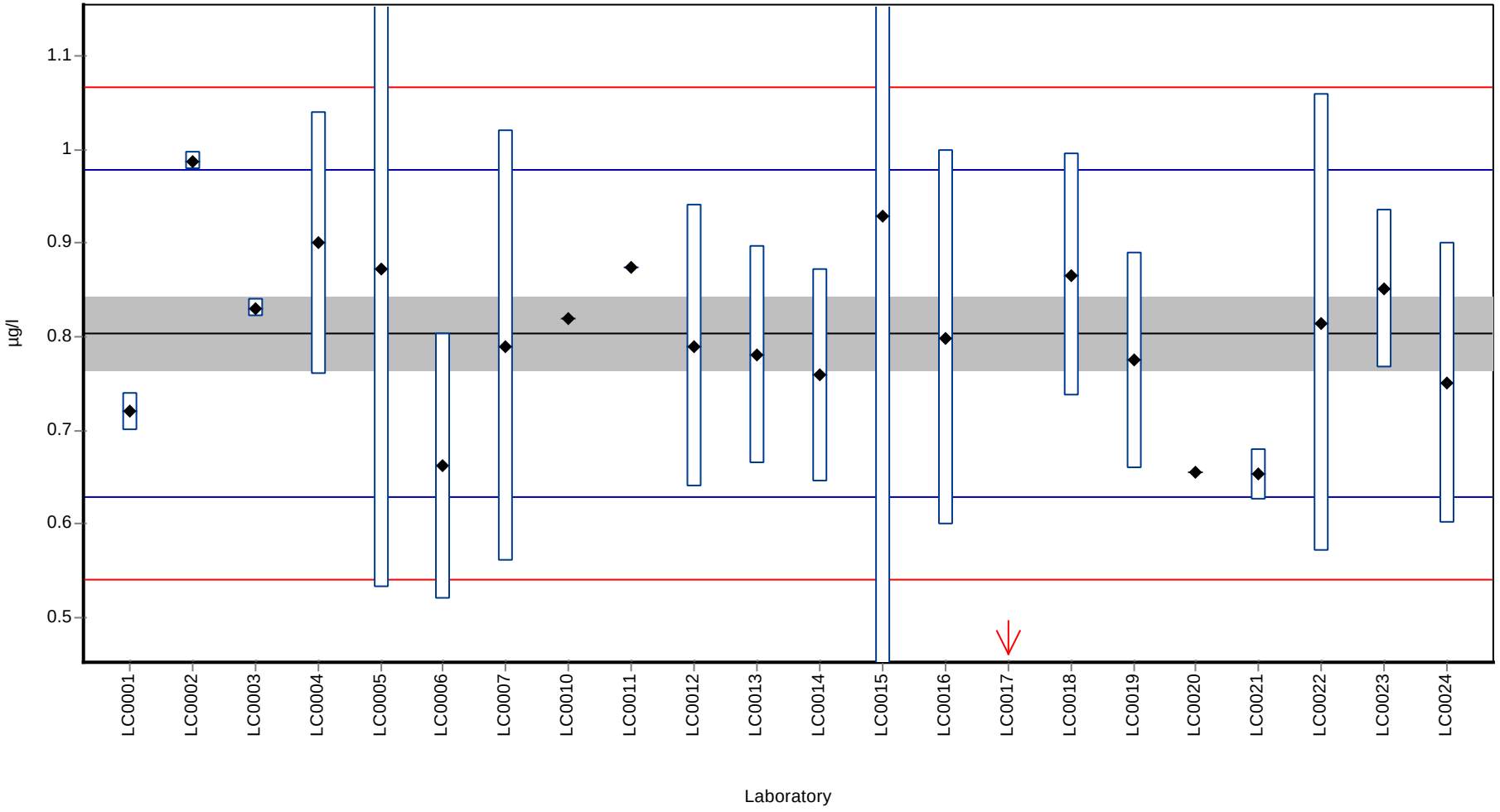
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.720	0.020	89.6	-1.0	
LC0002	0.988	0.0101	122.9	2.1	
LC0003	0.831	0.010	103.4	0.3	
LC0004	0.900	0.140	112.0	1.1	
LC0005	0.872	0.340	108.5	0.8	
LC0006	0.662	0.142	82.4	-1.6	
LC0007	0.790	0.230	98.3	-0.2	
LC0008	-	-	-	-	
LC0009	-	-	-	-	
LC0010	0.8188	-	101.9	0.2	
LC0011	0.874	-	108.7	0.8	
LC0012	0.790	0.151	98.3	-0.2	
LC0013	0.7806	0.1171	97.1	-0.3	
LC0014	0.759	0.114	94.4	-0.5	
LC0015	0.929	50.000	115.6	1.4	
LC0016	0.799	0.200	99.4	-0.1	
LC0017	0.255	0.051	31.7	-6.2	H
LC0018	0.866	0.130	107.7	0.7	
LC0019	0.775	0.116	96.4	-0.3	
LC0020	0.655	-	81.5	-1.7	
LC0021	0.653	0.027	81.2	-1.7	
LC0022	0.815	0.245	101.4	0.1	
LC0023	0.851	0.085	105.9	0.5	
LC0024	0.751	0.150	93.4	-0.6	

Characteristics of parameter

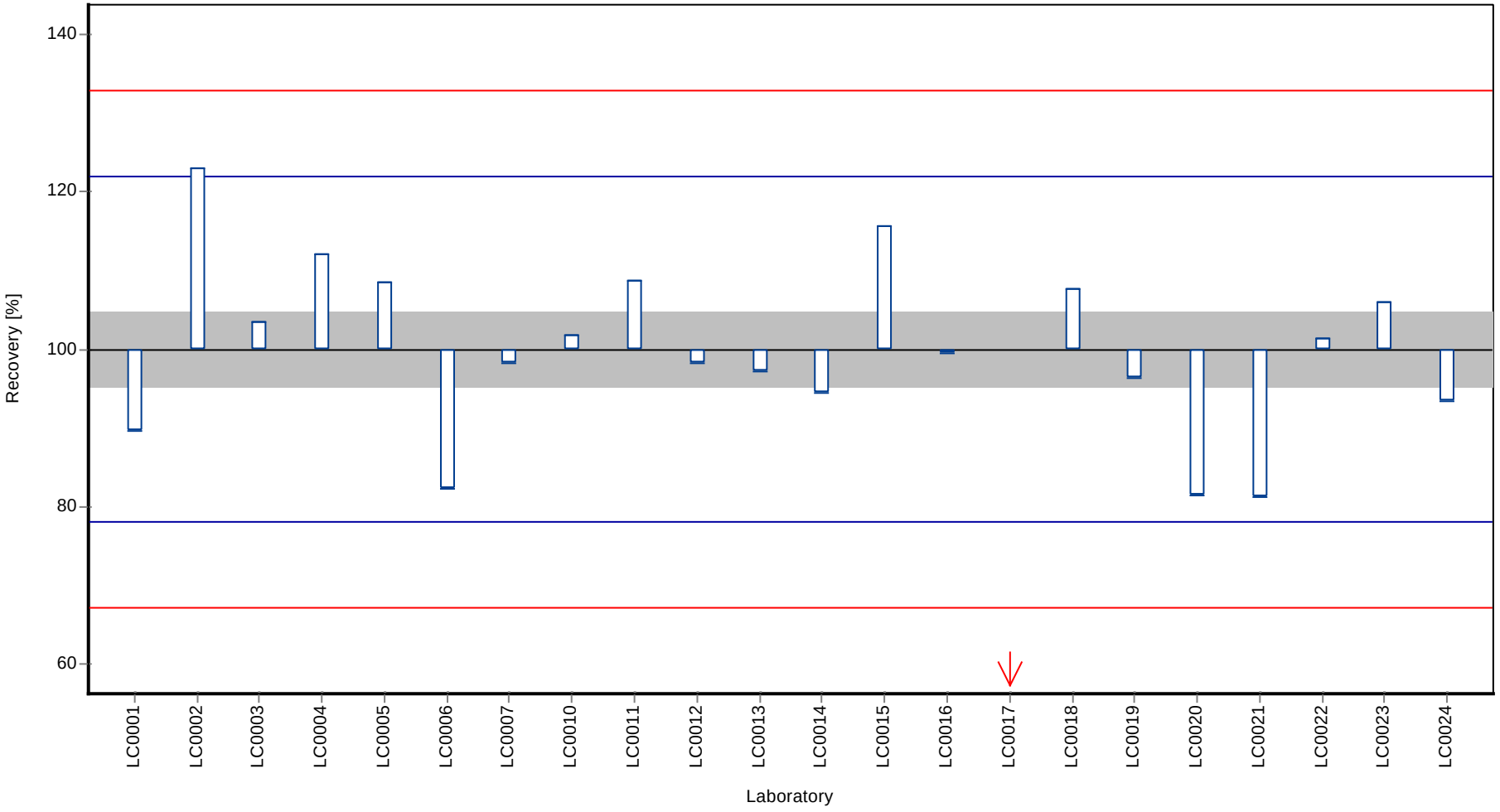
	all results	without outliners	Unit
Mean ± Cl (99%)	0.779 ± 0.0928	0.804 ± 0.0575	µg/l
Minimum	0.255	0.653	µg/l
Maximum	0.988	0.988	µg/l
Standard deviation	0.145	0.0878	µg/l
rel. Standard deviation	18.6	10.9	%
n	22	21	-

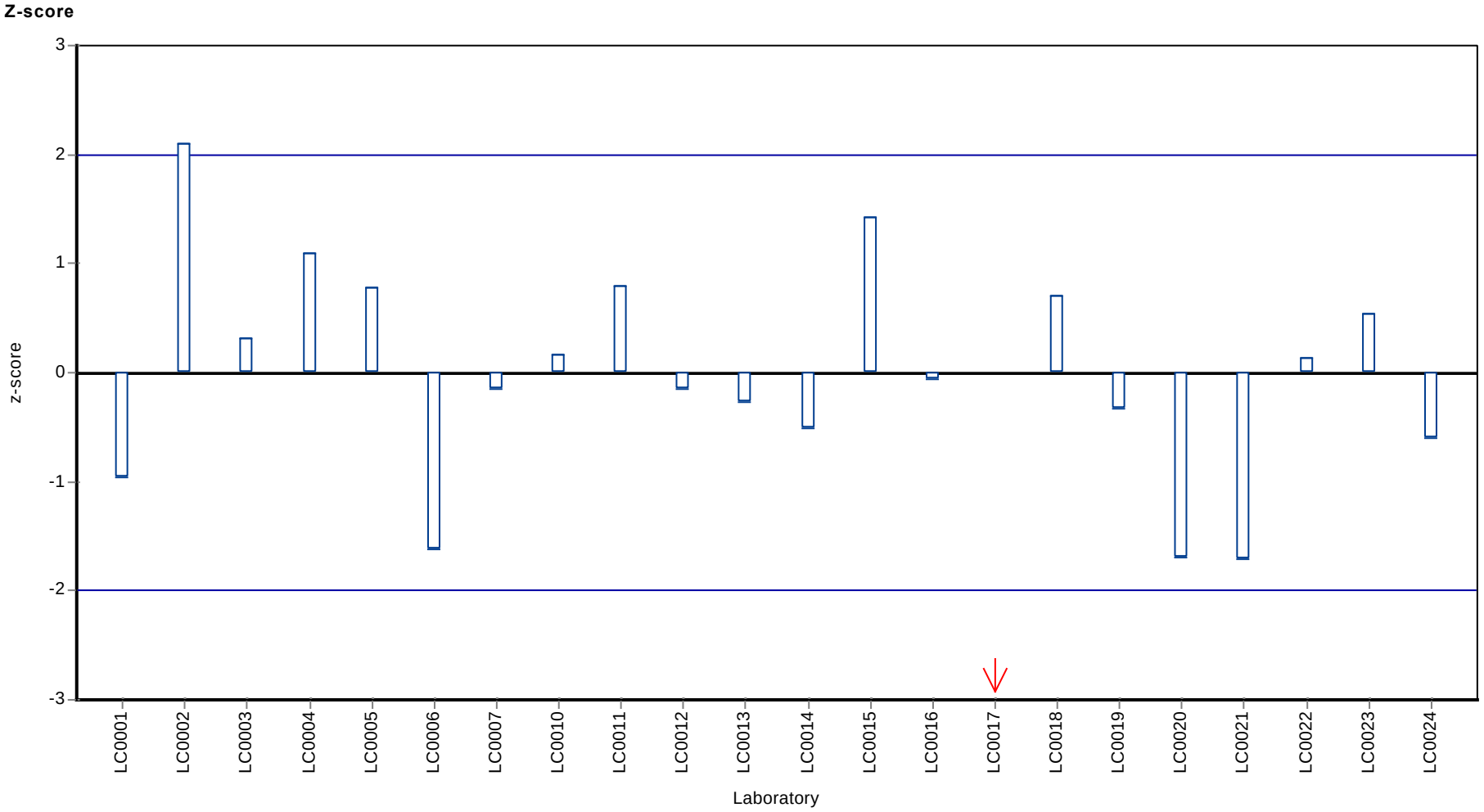
Graphical presentation of results

Results



Recovery rate




Z-score
3
2
1
0
-1
-2
-3
z-score
LC0001
LC0002
LC0003
LC0004
LC0005
LC0006
LC0007
LC0010
LC0011
LC0012
LC0013
LC0014
LC0015
LC0016
LC0017
LC0018
LC0019
LC0020
LC0021
LC0022
LC0023
LC0024
Laboratory

Parameter oriented report

H91 A

Desethylatrazine

Unit	µg/l
Mean ± Cl (99%)	0.135 ± 0.00714
Minimum - Maximum	0.117 - 0.151
Check value ± U	0.14 ± 0.016

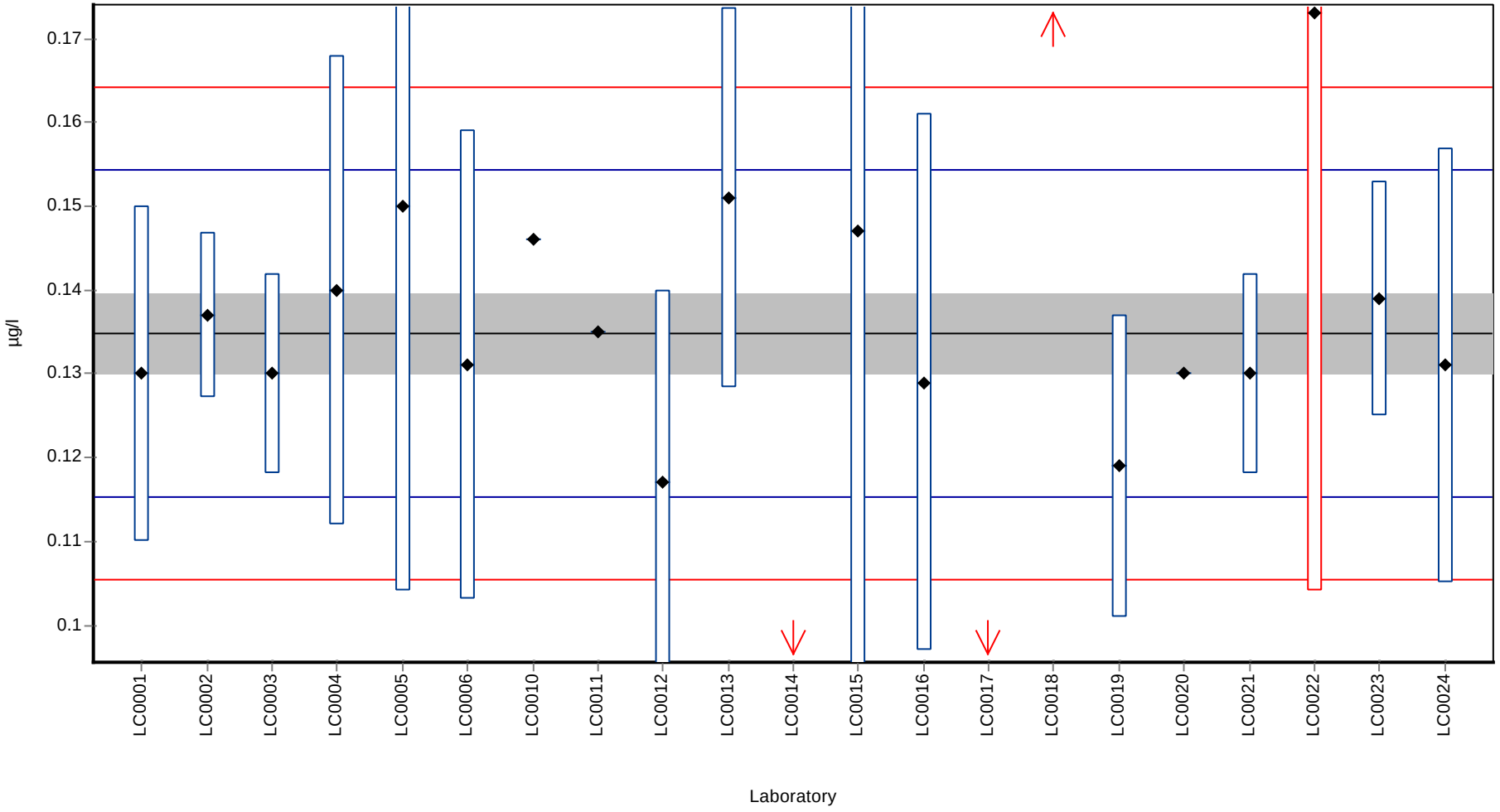
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.130	0.020	96.4	-0.5	
LC0002	0.137	0.0099	101.6	0.2	
LC0003	0.130	0.012	96.4	-0.5	
LC0004	0.140	0.028	103.8	0.5	
LC0005	0.150	0.046	111.3	1.5	
LC0006	0.131	0.028	97.2	-0.4	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	-	-	-	-	
LC0010	0.1461	-	108.4	1.1	
LC0011	0.135	-	100.1	0.0	
LC0012	0.117	0.023	86.8	-1.8	
LC0013	0.151	0.0227	112.0	1.6	
LC0014	0.077	0.012	57.1	-5.9	H
LC0015	0.147	50.000	109.0	1.2	
LC0016	0.129	0.032	95.7	-0.6	
LC0017	< 0.05 (LOQ)	-	-	-	FN
LC0018	0.208	0.031	154.3	7.5	H
LC0019	0.119	0.018	88.3	-1.6	
LC0020	0.130	-	96.4	-0.5	
LC0021	0.130	0.012	96.4	-0.5	
LC0022	0.173	0.069	128.3	3.9	H
LC0023	0.139	0.014	103.1	0.4	
LC0024	0.131	0.026	97.2	-0.4	

Characteristics of parameter

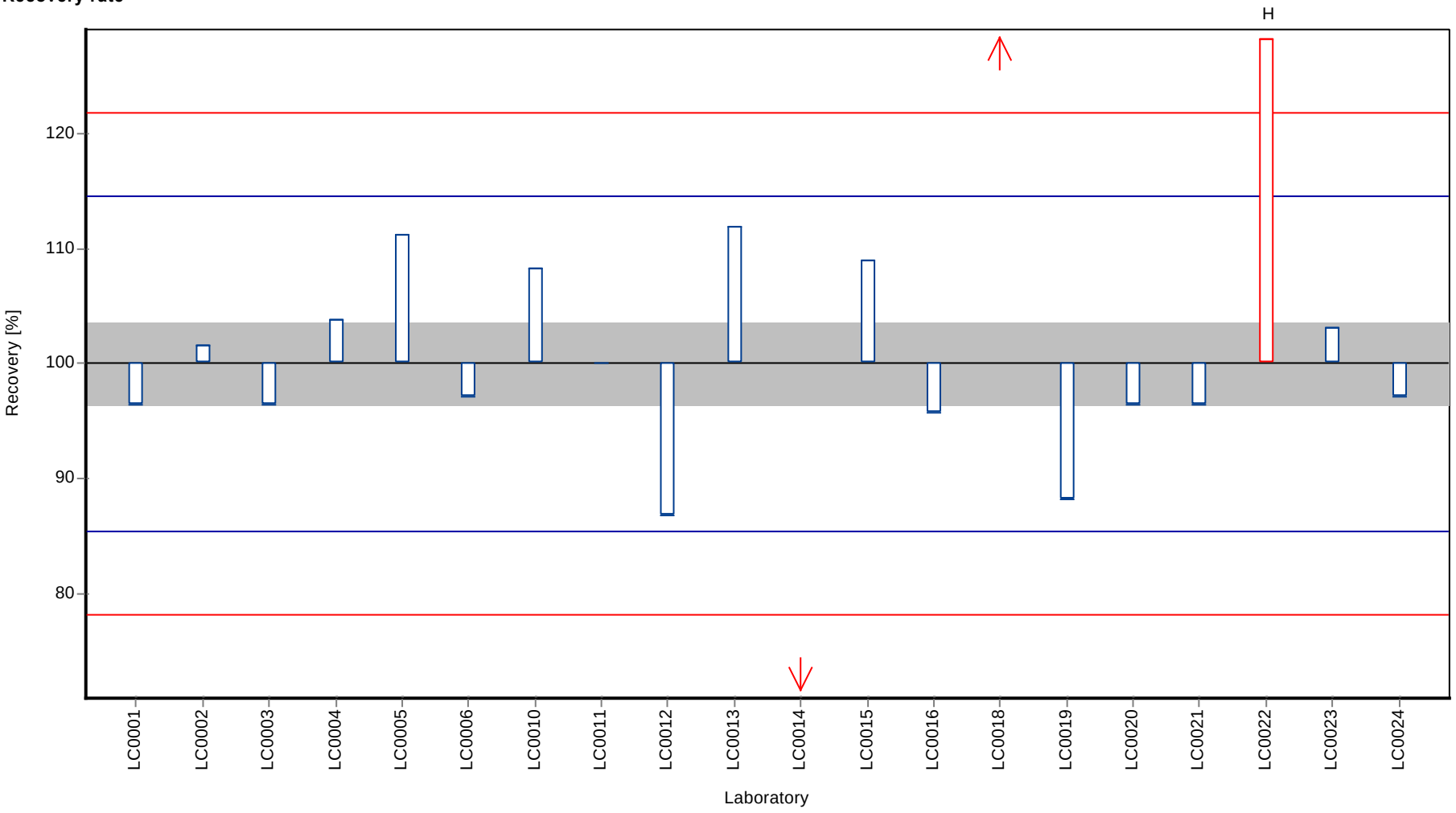
	all results	without outliners	Unit
Mean ± Cl (99%)	0.138 ± 0.0165	0.135 ± 0.00714	µg/l
Minimum	0.077	0.117	µg/l
Maximum	0.208	0.151	µg/l
Standard deviation	0.0247	0.00981	µg/l
rel. Standard deviation	17.9	7.28	%
n	20	17	-

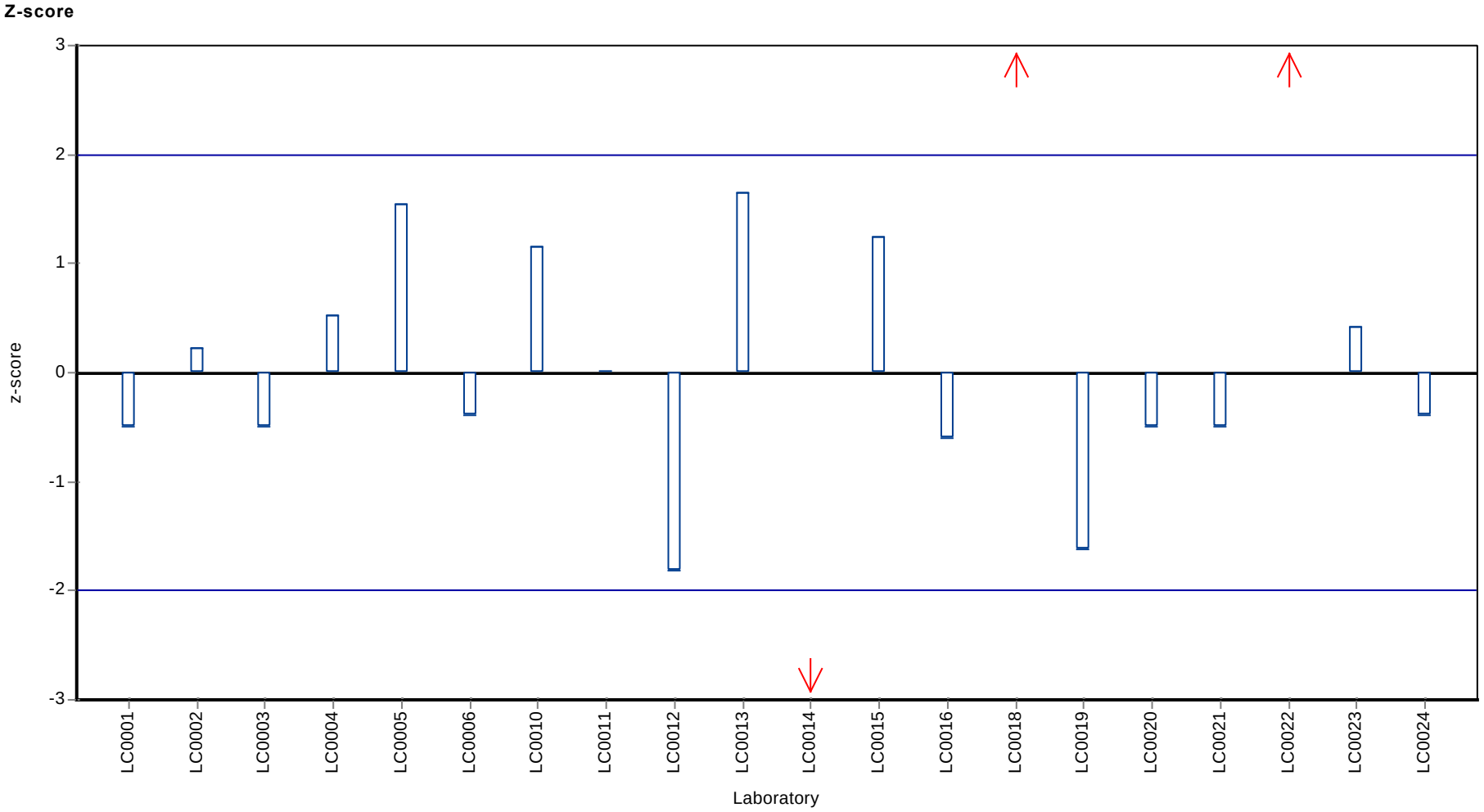
Graphical presentation of results

Results



Recovery rate




Z-score
3
2
1
0
-1
-2
-3
z-score
LC0001
LC0002
LC0003
LC0004
LC0005
LC0006
LC0010
LC0011
LC0012
LC0013
LC0014
LC0015
LC0016
LC0018
LC0019
LC0020
LC0021
LC0022
LC0023
LC0024
Laboratory

Parameter oriented report

H91 B

Desethylatrazine

Unit	µg/l
Mean ± Cl (99%)	0.0104 ± 0.00177
Minimum - Maximum	0.009 - 0.013
Check value ± U	< 0.025 (LOD)

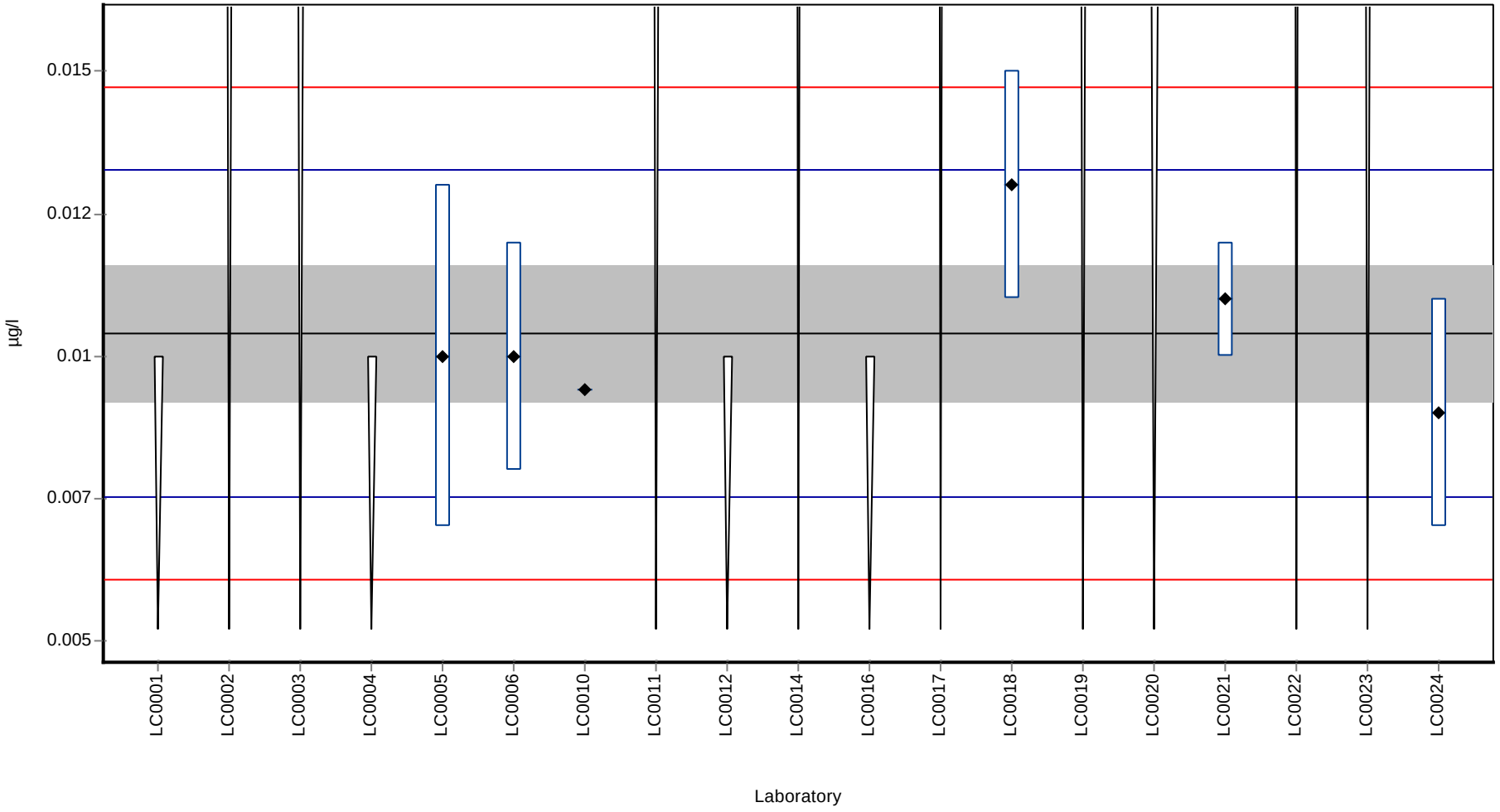
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	< 0.01 (LOQ)	-	-	-	
LC0002	< 0.03 (LOQ)	-	-	-	
LC0003	< 0.025 (LOQ)	-	-	-	
LC0004	< 0.01 (LOQ)	-	-	-	
LC0005	0.010	0.003	96.2	-0.3	
LC0006	0.010	0.002	96.2	-0.3	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	-	-	-	-	
LC0010	0.0094	-	90.4	-0.7	
LC0011	< 0.03 (LOQ)	-	-	-	
LC0012	< 0.01 (LOQ)	-	-	-	
LC0013	-	-	-	-	
LC0014	< 0.05 (LOQ)	-	-	-	
LC0015	-	-	-	-	
LC0016	< 0.01 (LOQ)	-	-	-	
LC0017	< 0.05 (LOQ)	-	-	-	
LC0018	0.013	0.002	125.0	1.8	
LC0019	< 0.03 (LOQ)	-	-	-	
LC0020	<0.02 (LOD)	-	-	-	
LC0021	0.011	0.001	105.8	0.4	
LC0022	< 0.05 (LOQ)	-	-	-	
LC0023	< 0.03 (LOQ)	-	-	-	
LC0024	0.009	0.002	86.5	-1.0	

Characteristics of parameter

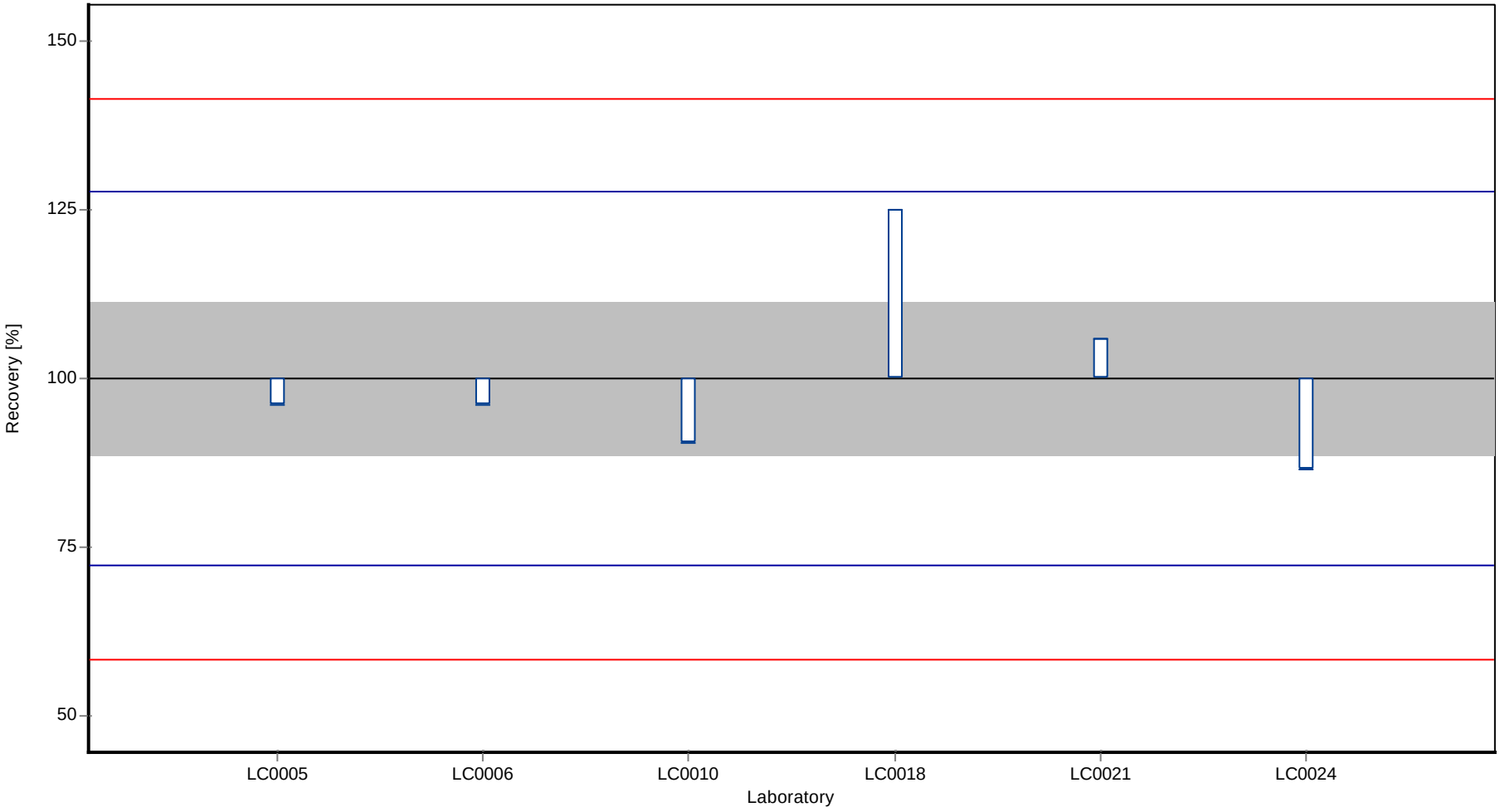
	all results	without outliners	Unit
Mean ± Cl (99%)	0.0104 ± 0.00177	0.0104 ± 0.00177	µg/l
Minimum	0.009	0.009	µg/l
Maximum	0.013	0.013	µg/l
Standard deviation	0.00144	0.00144	µg/l
rel. Standard deviation	13.9	13.9	%
n	6	6	-

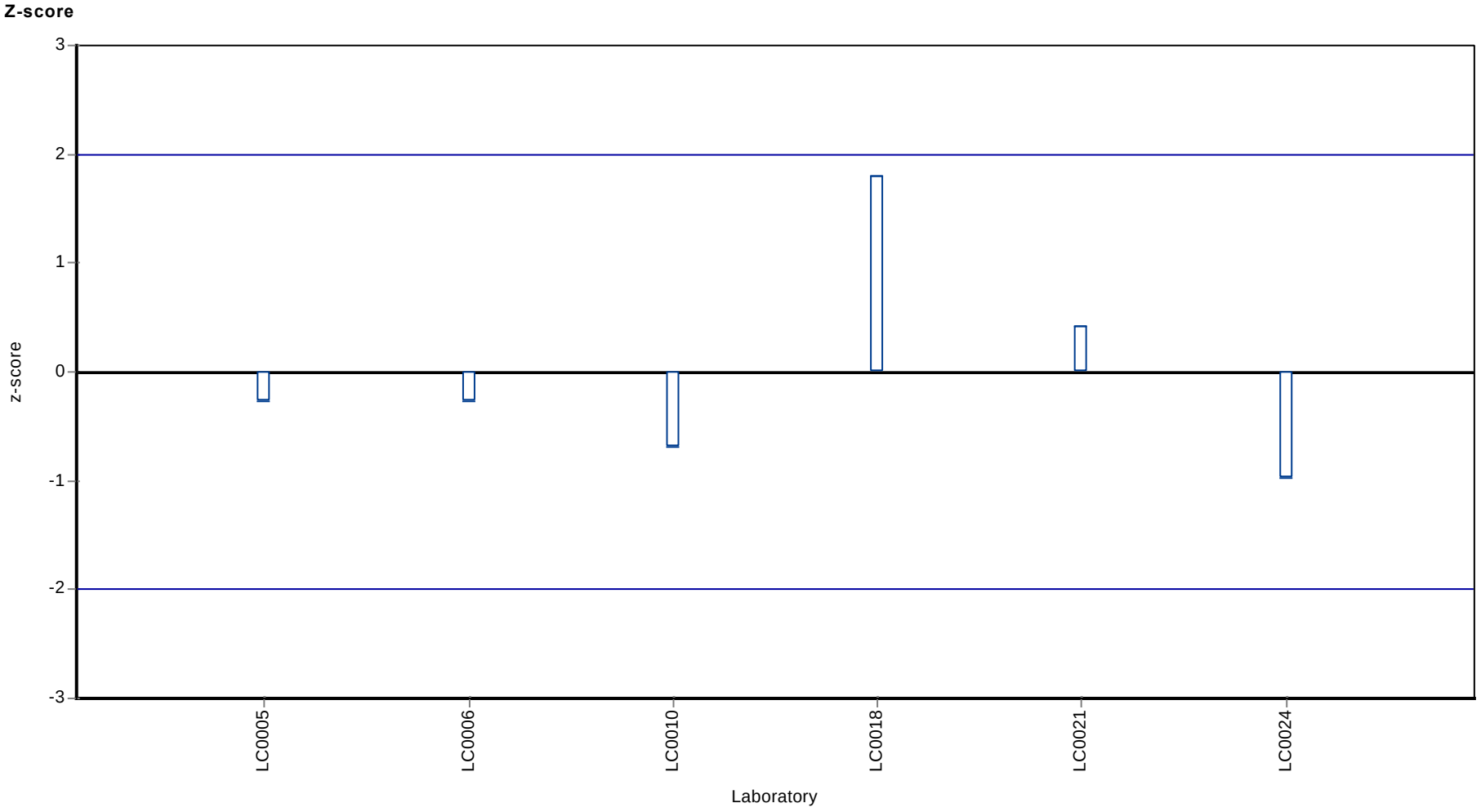
Graphical presentation of results

Results



Recovery rate




Z-score
3
2
1
0
-1
-2
-3
z-score
LC0005
LC0006
LC0010
LC0018
LC0021
LC0024
Laboratory

Parameter oriented report

H91 A

Desethylterbuthylazine

Unit	µg/l
Mean ± Cl (99%)	0.299 ± 0.017
Minimum - Maximum	0.249 - 0.344
Check value ± U	0.34 ± 0.016

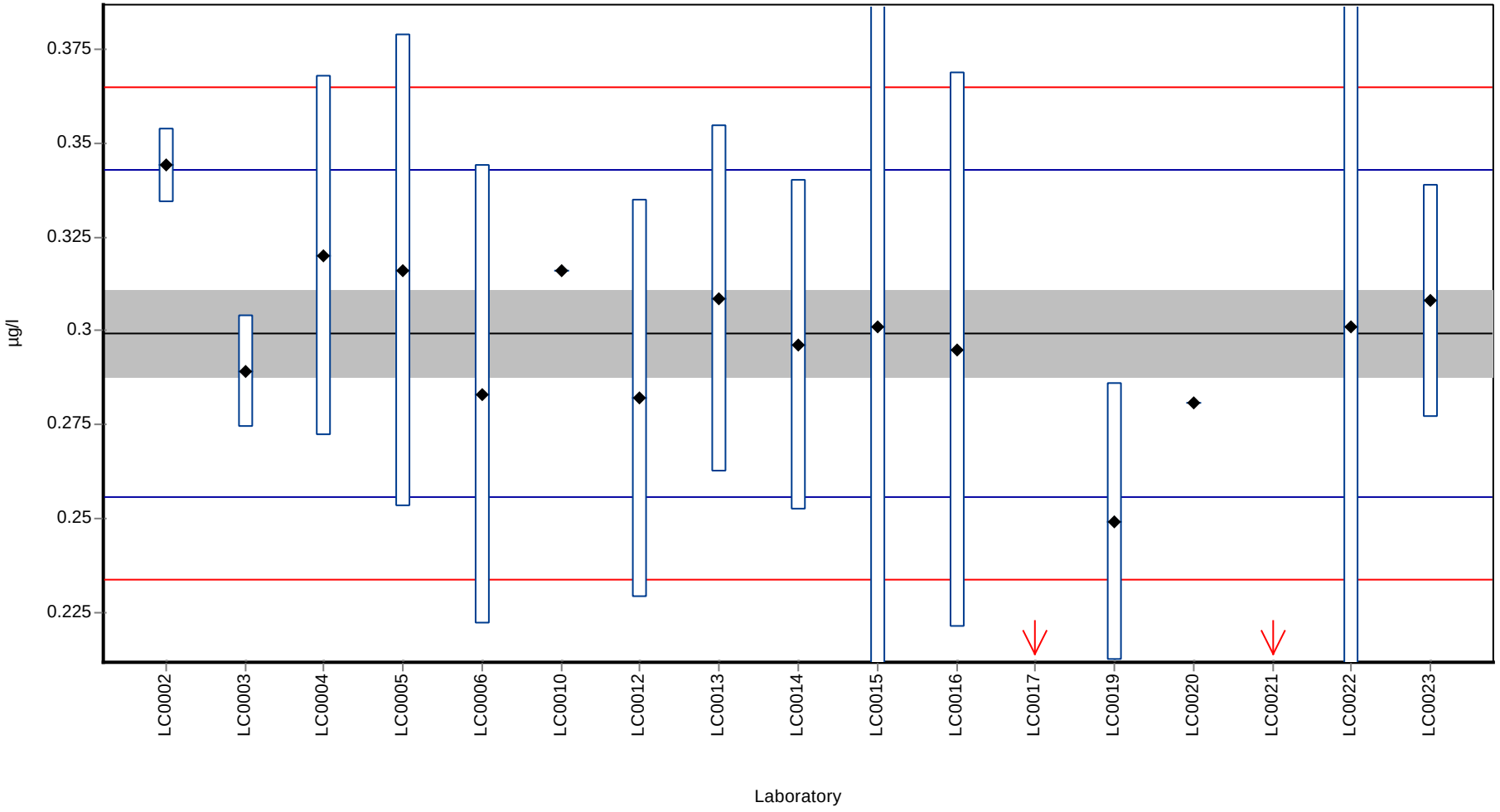
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	0.344	0.010	114.9	2.0	
LC0003	0.289	0.015	96.6	-0.5	
LC0004	0.320	0.048	106.9	0.9	
LC0005	0.316	0.063	105.6	0.8	
LC0006	0.283	0.061	94.6	-0.7	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	-	-	-	-	
LC0010	0.3159	-	105.6	0.8	
LC0011	-	-	-	-	
LC0012	0.282	0.053	94.2	-0.8	
LC0013	0.3084	0.0463	103.0	0.4	
LC0014	0.296	0.044	98.9	-0.2	
LC0015	0.301	50.000	100.6	0.1	
LC0016	0.295	0.074	98.6	-0.2	
LC0017	0.185	0.037	61.8	-5.2	H
LC0018	-	-	-	-	
LC0019	0.249	0.037	83.2	-2.3	
LC0020	0.281	-	93.9	-0.8	
LC0021	0.110	0.013	36.8	-8.6	H
LC0022	0.301	0.096	100.6	0.1	
LC0023	0.308	0.031	102.9	0.4	
LC0024	-	-	-	-	

Characteristics of parameter

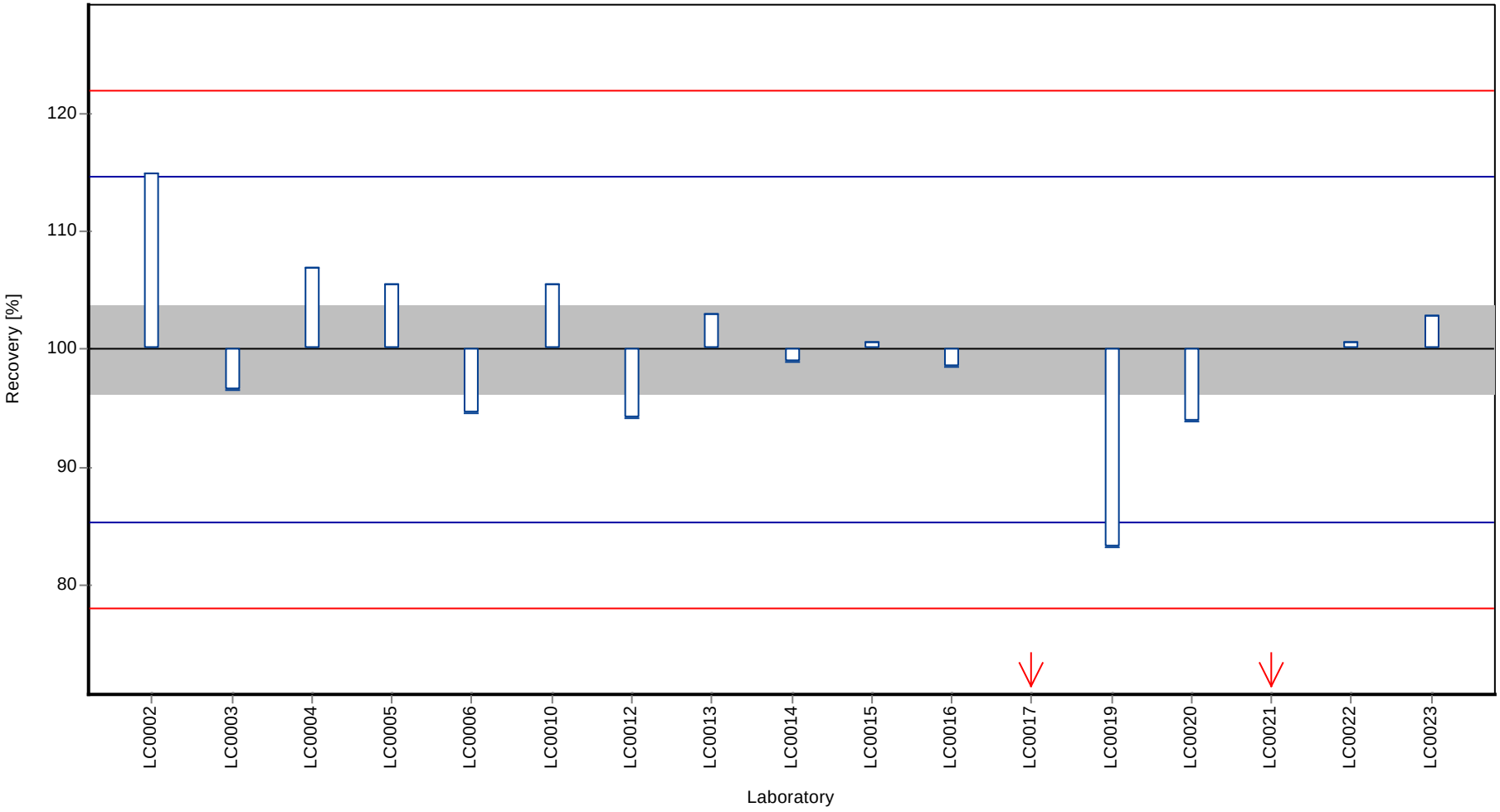
	all results	without outliners	Unit
Mean ± Cl (99%)	0.281 ± 0.0407	0.299 ± 0.017	µg/l
Minimum	0.11	0.249	µg/l
Maximum	0.344	0.344	µg/l
Standard deviation	0.056	0.0219	µg/l
rel. Standard deviation	19.9	7.32	%
n	17	15	-

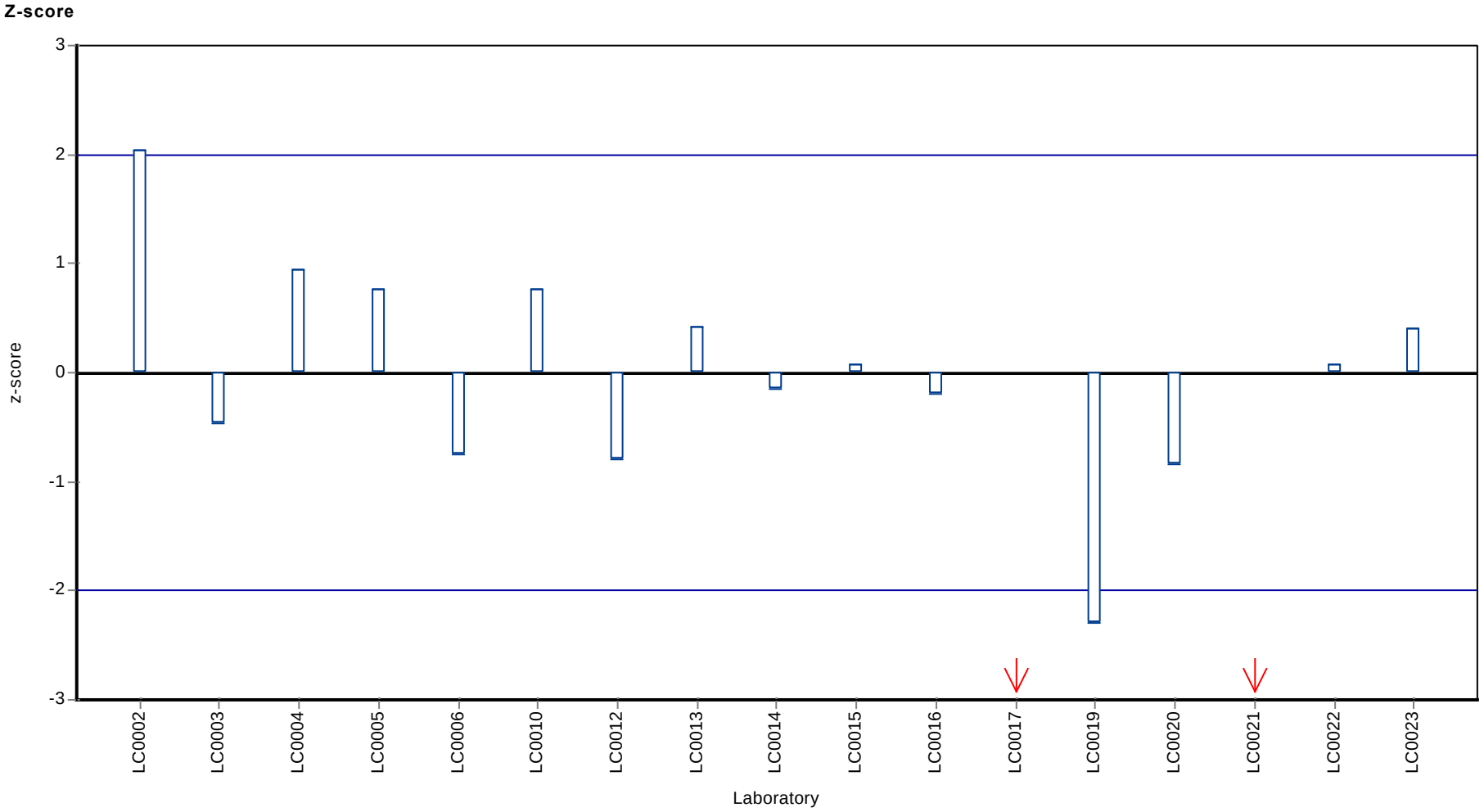
Graphical presentation of results

Results



Recovery rate




Z-score
3
2
1
0
-1
-2
-3
z-score
LC0002
LC0003
LC0004
LC0005
LC0006
LC0010
LC0012
LC0013
LC0014
LC0015
LC0016
LC0017
LC0019
LC0020
LC0021
LC0022
LC0023
Laboratory

Parameter oriented report

H91 B

Desethylterbuthylazine

Unit	µg/l
Mean ± CI (99%)	-
Minimum - Maximum	0.002 - 0.002
Check value ± U	< 0.025 (LOD)

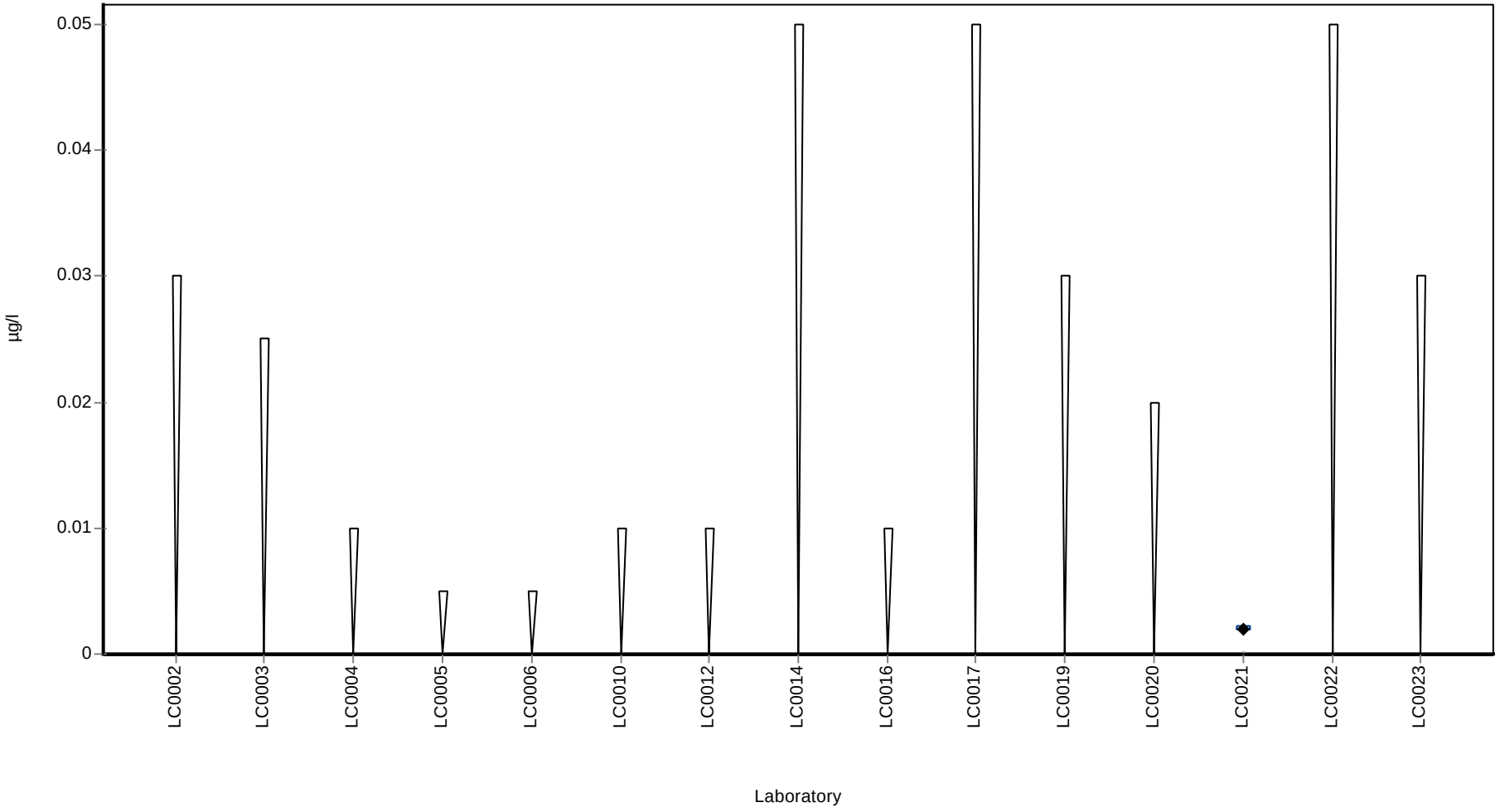
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	< 0.03 (LOQ)	-	-	-	
LC0003	< 0.025 (LOQ)	-	-	-	
LC0004	< 0.01 (LOQ)	-	-	-	
LC0005	< 0.005 (LOQ)	-	-	-	
LC0006	<0.005 (LOD)	-	-	-	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	-	-	-	-	
LC0010	< 0.01 (LOQ)	-	-	-	
LC0011	-	-	-	-	
LC0012	< 0.01 (LOQ)	-	-	-	
LC0013	-	-	-	-	
LC0014	< 0.05 (LOQ)	-	-	-	
LC0015	-	-	-	-	
LC0016	< 0.01 (LOQ)	-	-	-	
LC0017	< 0.05 (LOQ)	-	-	-	
LC0018	-	-	-	-	
LC0019	< 0.03 (LOQ)	-	-	-	
LC0020	<0.02 (LOD)	-	-	-	
LC0021	0.002	0.0002	-	-	
LC0022	< 0.05 (LOQ)	-	-	-	
LC0023	< 0.03 (LOQ)	-	-	-	
LC0024	-	-	-	-	

Characteristics of parameter

	all results	without outliners	Unit
Mean ± CI (99%)	0.002	-	µg/l
Minimum	0.002	0.002	µg/l
Maximum	0.002	0.002	µg/l
Standard deviation	-	-	µg/l
rel. Standard deviation	-	-	%
n	1	1	-

Graphical presentation of results

Results



Parameter oriented report

H91 A

Desisopropylatrazine

Unit	µg/l
Mean ± Cl (99%)	0.0859 ± 0.0115
Minimum - Maximum	0.062 - 0.123
Check value ± U	0.10 ± 0.006

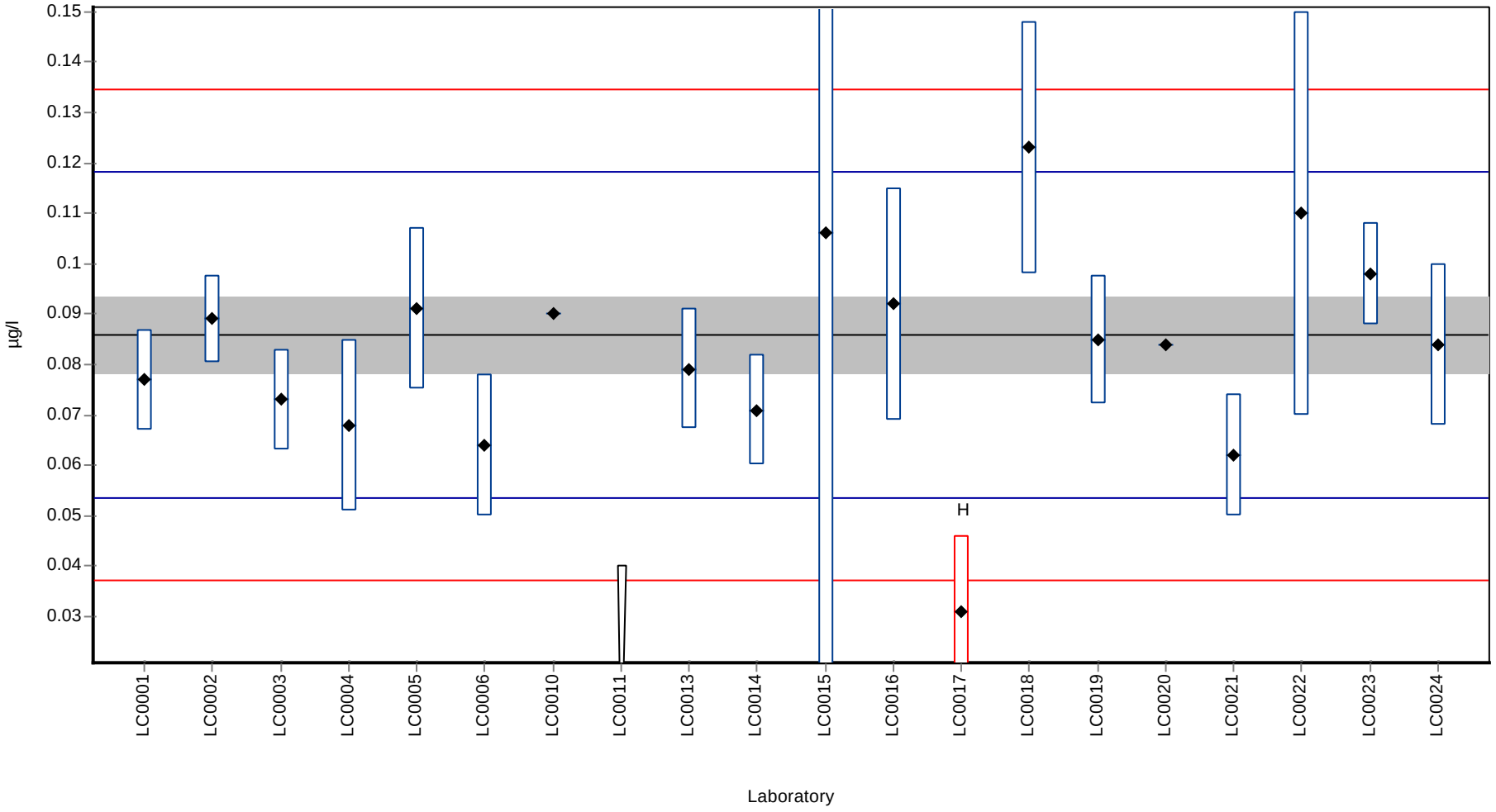
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.077	0.010	89.6	-0.5	
LC0002	0.089	0.0087	103.6	0.2	
LC0003	0.073	0.010	85.0	-0.8	
LC0004	0.068	0.017	79.2	-1.1	
LC0005	0.091	0.016	105.9	0.3	
LC0006	0.064	0.014	74.5	-1.3	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	-	-	-	-	
LC0010	0.090	-	104.8	0.3	
LC0011	< 0.04 (LOQ)	-	-	-	
LC0012	-	-	-	-	
LC0013	0.0791	0.0119	92.1	-0.4	
LC0014	0.071	0.011	82.7	-0.9	
LC0015	0.106	50.000	123.4	1.2	
LC0016	0.092	0.023	107.1	0.4	
LC0017	0.031	0.015	36.1	-3.4	H
LC0018	0.123	0.025	143.2	2.3	
LC0019	0.085	0.0127	99.0	-0.1	
LC0020	0.084	-	97.8	-0.1	
LC0021	0.062	0.012	72.2	-1.5	
LC0022	0.110	0.040	128.1	1.5	
LC0023	0.098	0.010	114.1	0.7	
LC0024	0.084	0.016	97.8	-0.1	

Characteristics of parameter

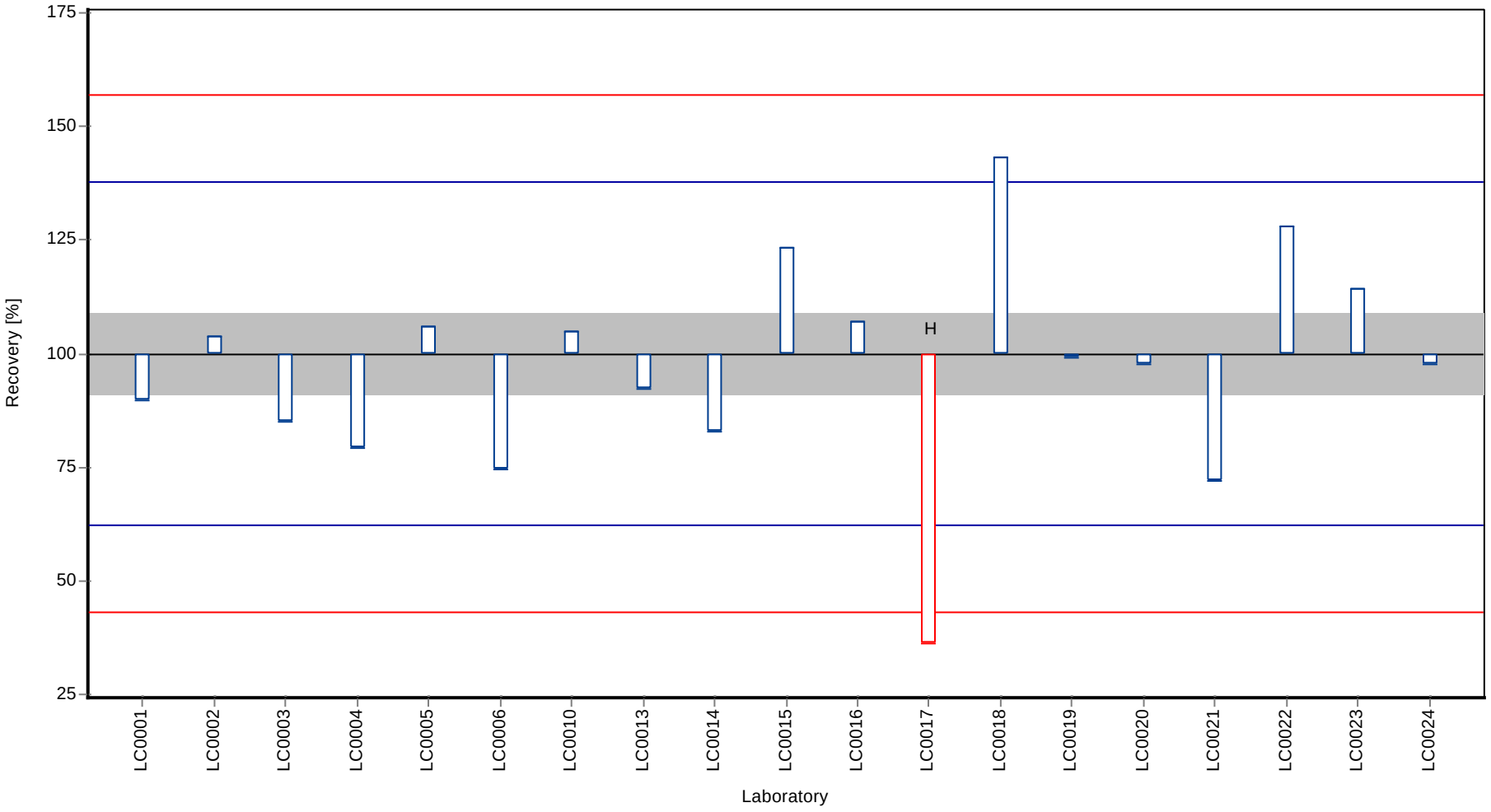
	all results	without outliners	Unit
Mean ± Cl (99%)	0.083 ± 0.0139	0.0859 ± 0.0115	µg/l
Minimum	0.031	0.062	µg/l
Maximum	0.123	0.123	µg/l
Standard deviation	0.0202	0.0163	µg/l
rel. Standard deviation	24.3	18.9	%
n	19	18	-

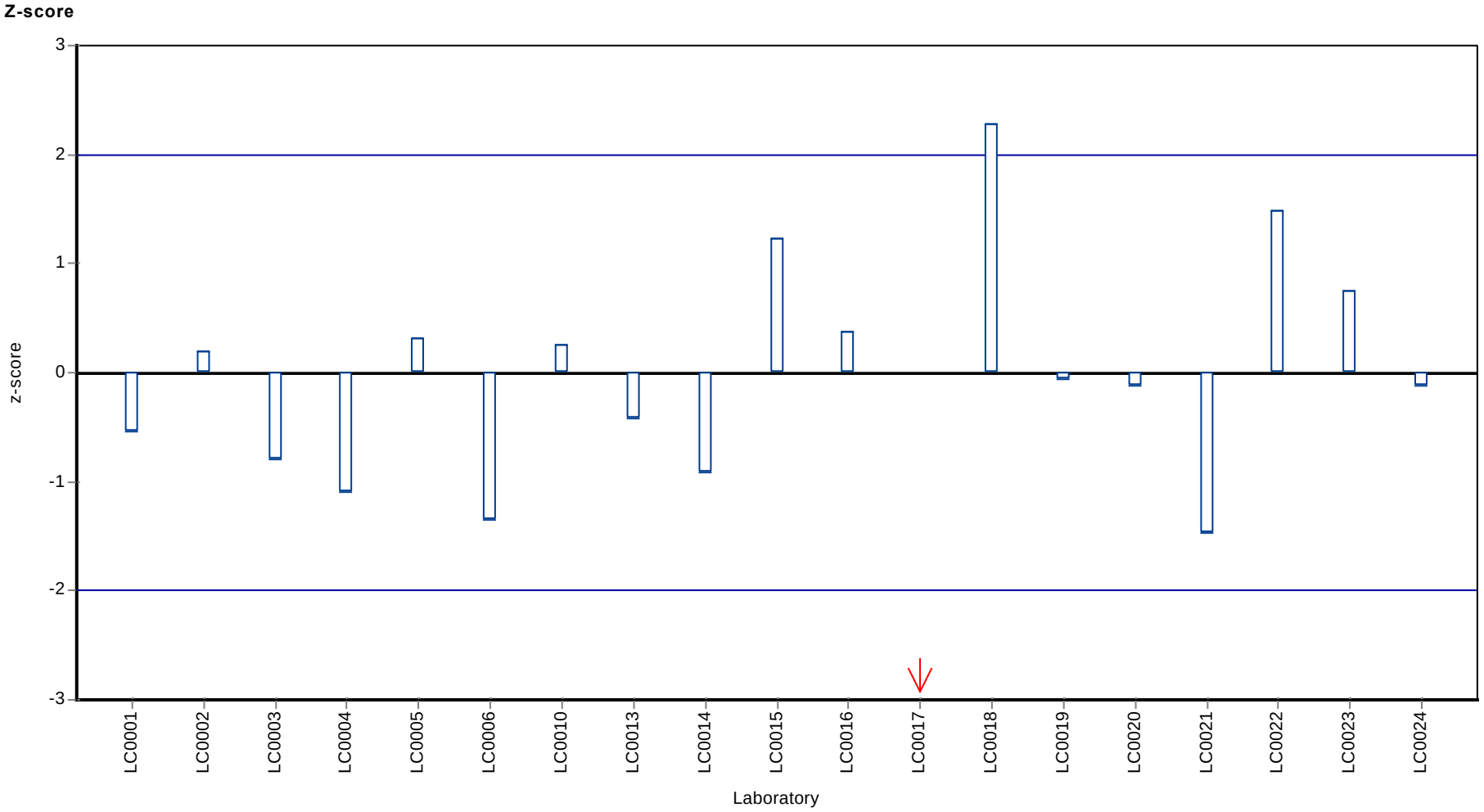
Graphical presentation of results

Results



Recovery rate

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0
-1
-2
-3
z-score
LC0001
LC0002
LC0003
LC0004
LC0005
LC0006
LC0010
LC0013
LC0014
LC0015
LC0016
LC0017
LC0018
LC0019
LC0020
LC0021
LC0022
LC0023
LC0024
Laboratory

Parameter oriented report

H91 B

Desisopropylatrazine

Unit	µg/l
Mean ± CI (99%)	-
Minimum - Maximum	-
Check value ± U	< 0.025 (LOD)

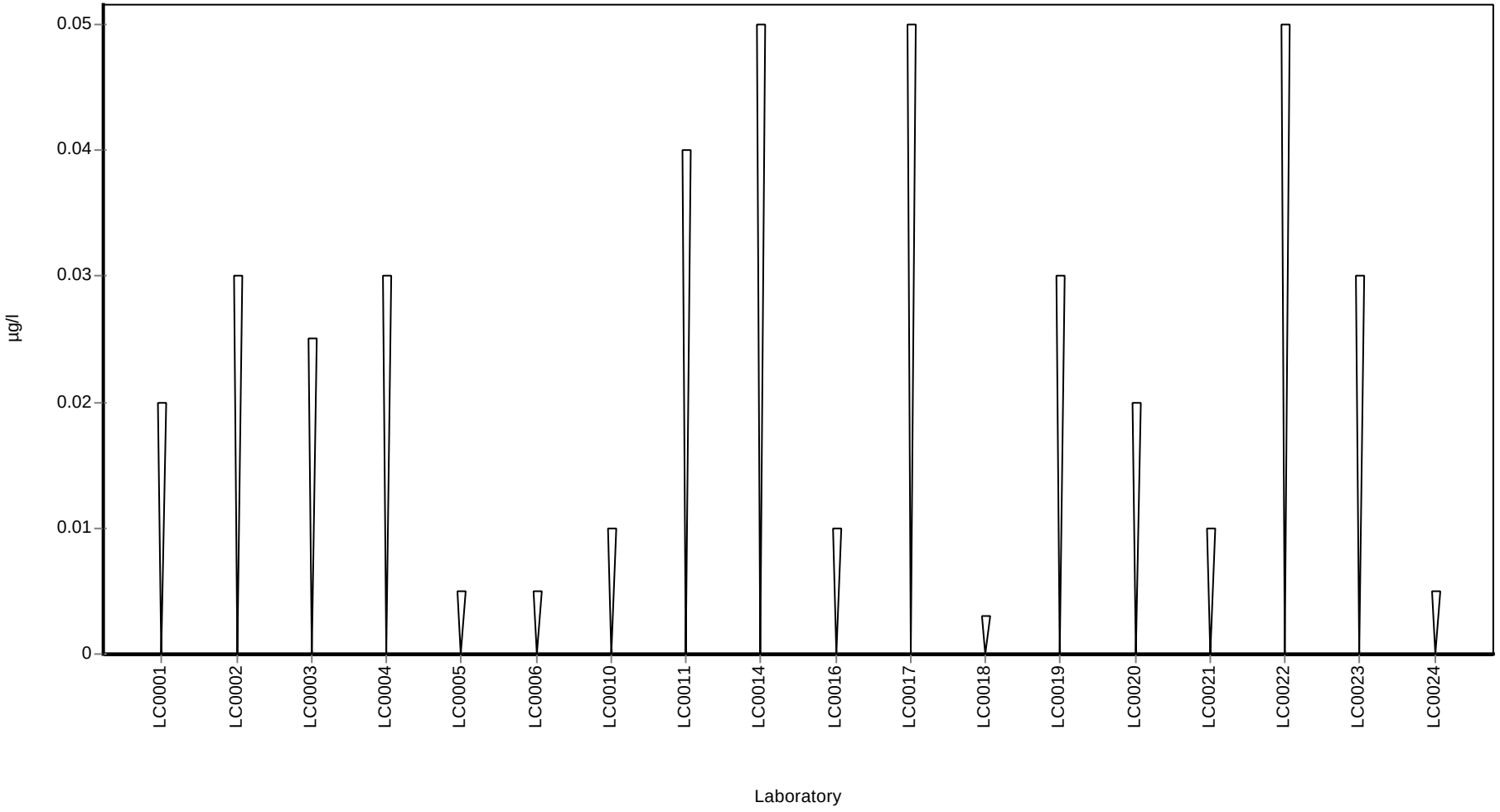
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	< 0.02 (LOQ)	-	-	-	
LC0002	< 0.03 (LOQ)	-	-	-	
LC0003	< 0.025 (LOQ)	-	-	-	
LC0004	< 0.03 (LOQ)	-	-	-	
LC0005	< 0.005 (LOQ)	-	-	-	
LC0006	<0.005 (LOD)	-	-	-	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	-	-	-	-	
LC0010	< 0.01 (LOQ)	-	-	-	
LC0011	< 0.04 (LOQ)	-	-	-	
LC0012	-	-	-	-	
LC0013	-	-	-	-	
LC0014	< 0.05 (LOQ)	-	-	-	
LC0015	-	-	-	-	
LC0016	< 0.01 (LOQ)	-	-	-	
LC0017	< 0.05 (LOQ)	-	-	-	
LC0018	< 0.003 (LOQ)	-	-	-	
LC0019	< 0.03 (LOQ)	-	-	-	
LC0020	<0.02 (LOD)	-	-	-	
LC0021	< 0.01 (LOQ)	-	-	-	
LC0022	< 0.05 (LOQ)	-	-	-	
LC0023	< 0.03 (LOQ)	-	-	-	
LC0024	< 0.005 (LOQ)	-	-	-	

Characteristics of parameter

	all results	without outliners	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

H91 A

Bromacil

Unit	µg/l
Mean ± Cl (99%)	0.7 ± 0.126
Minimum - Maximum	0.387 - 0.864
Check value ± U	0.80 ± 0.02

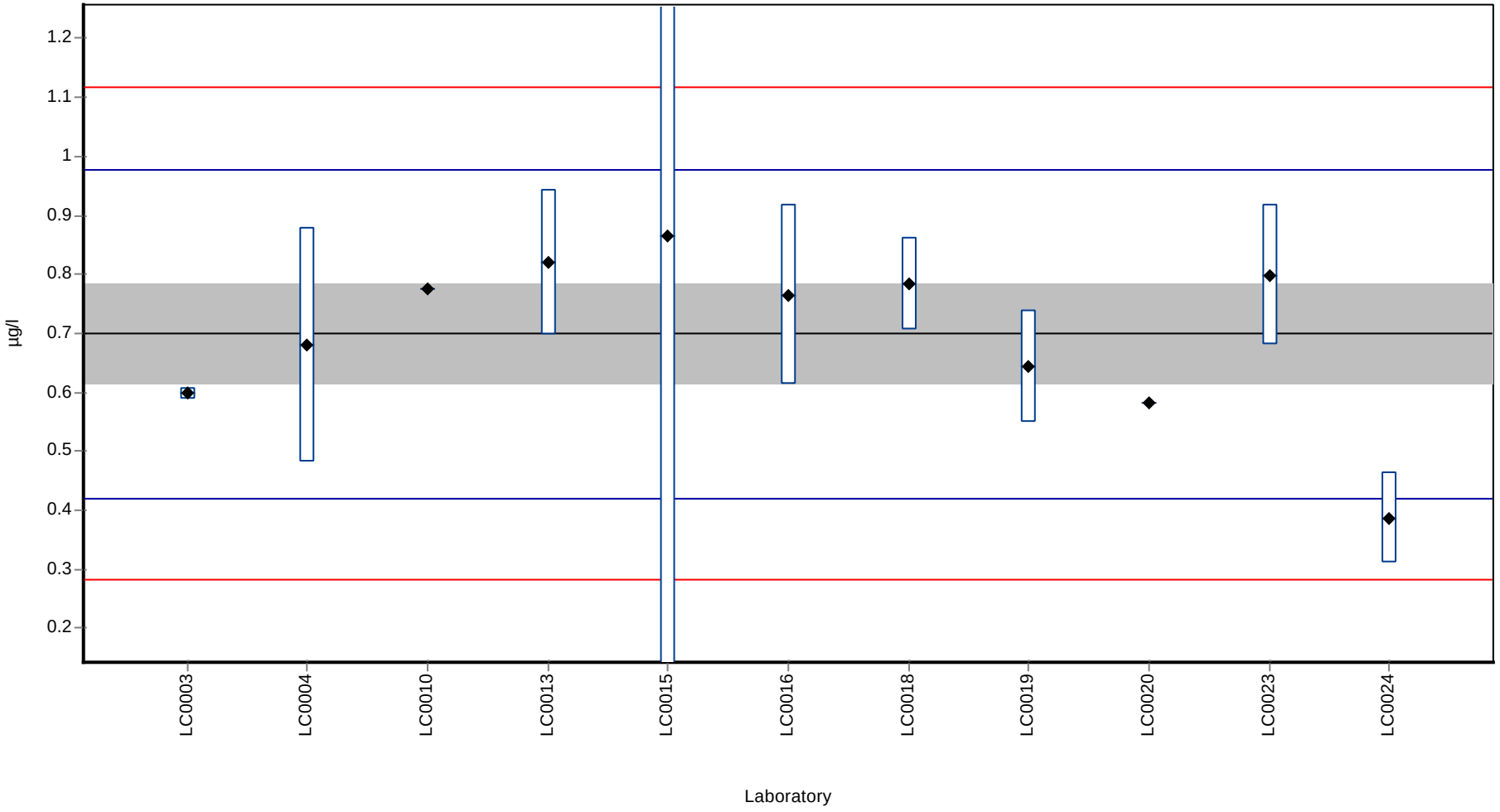
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	0.598	0.010	85.5	-0.7	
LC0004	0.680	0.200	97.2	-0.1	
LC0005	-	-	-	-	
LC0006	-	-	-	-	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	-	-	-	-	
LC0010	0.775	-	110.8	0.5	
LC0011	-	-	-	-	
LC0012	-	-	-	-	
LC0013	0.8205	0.1231	117.3	0.9	
LC0014	-	-	-	-	
LC0015	0.864	50.000	123.5	1.2	
LC0016	0.765	0.153	109.3	0.5	
LC0017	-	-	-	-	
LC0018	0.784	0.078	112.1	0.6	
LC0019	0.643	0.096	91.9	-0.4	
LC0020	0.581	-	83.0	-0.9	
LC0021	-	-	-	-	
LC0022	-	-	-	-	
LC0023	0.799	0.120	114.2	0.7	
LC0024	0.387	0.077	55.3	-2.2	

Characteristics of parameter

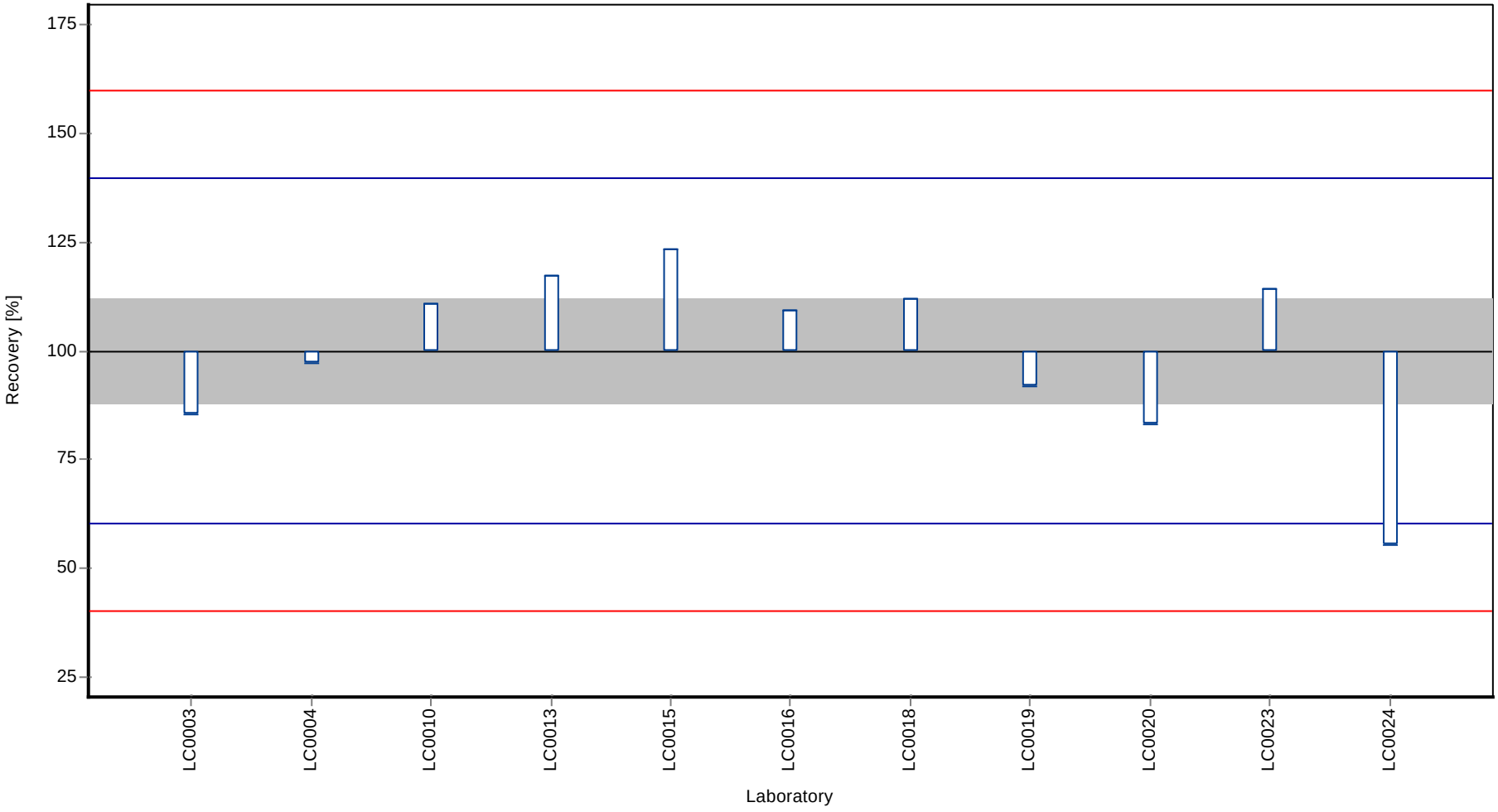
	all results	without outliners	Unit
Mean ± Cl (99%)	0.7 ± 0.126	0.7 ± 0.126	µg/l
Minimum	0.387	0.387	µg/l
Maximum	0.864	0.864	µg/l
Standard deviation	0.139	0.139	µg/l
rel. Standard deviation	19.9	19.9	%
n	11	11	-

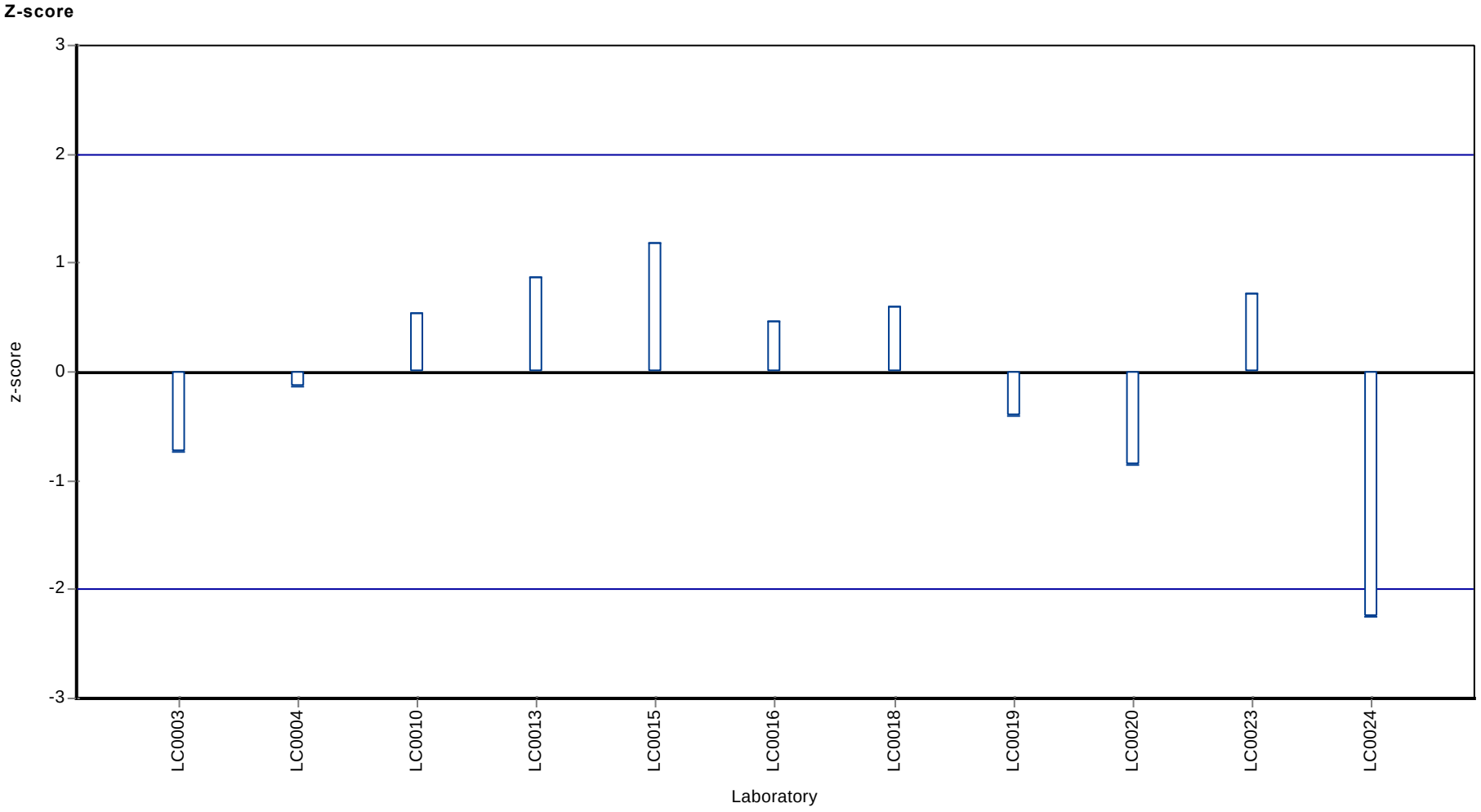
Graphical presentation of results

Results



Recovery rate




Z-score
3
2
1
0
-1
-2
-3
z-score
LC0003
LC0004
LC0010
LC0013
LC0015
LC0016
LC0018
LC0019
LC0020
LC0023
LC0024
Laboratory

Parameter oriented report

H91 B

Bromacil

Unit	µg/l
Mean ± Cl (99%)	0.405 ± 0.0484
Minimum - Maximum	0.322 - 0.479
Check value ± U	0.43 ± 0.026

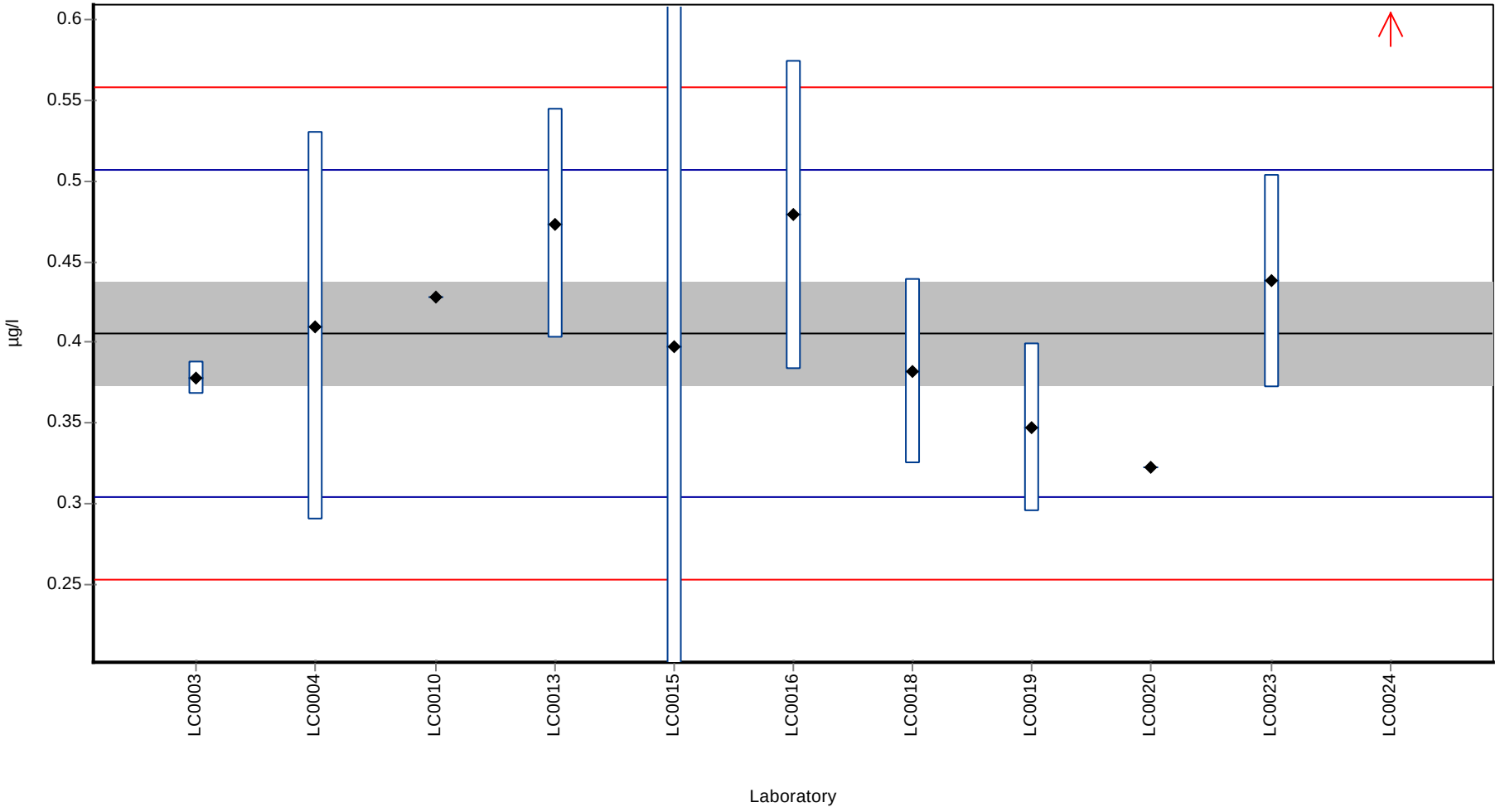
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	0.378	0.010	93.2	-0.5	
LC0004	0.410	0.120	101.1	0.1	
LC0005	-	-	-	-	
LC0006	-	-	-	-	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	-	-	-	-	
LC0010	0.4282	-	105.6	0.4	
LC0011	-	-	-	-	
LC0012	-	-	-	-	
LC0013	0.4734	0.071	116.8	1.3	
LC0014	-	-	-	-	
LC0015	0.397	50.000	97.9	-0.2	
LC0016	0.479	0.096	118.1	1.4	
LC0017	-	-	-	-	
LC0018	0.382	0.057	94.2	-0.5	
LC0019	0.347	0.052	85.6	-1.1	
LC0020	0.322	-	79.4	-1.6	
LC0021	-	-	-	-	
LC0022	-	-	-	-	
LC0023	0.438	0.066	108.0	0.6	
LC0024	0.723	0.145	178.3	6.2	H

Characteristics of parameter

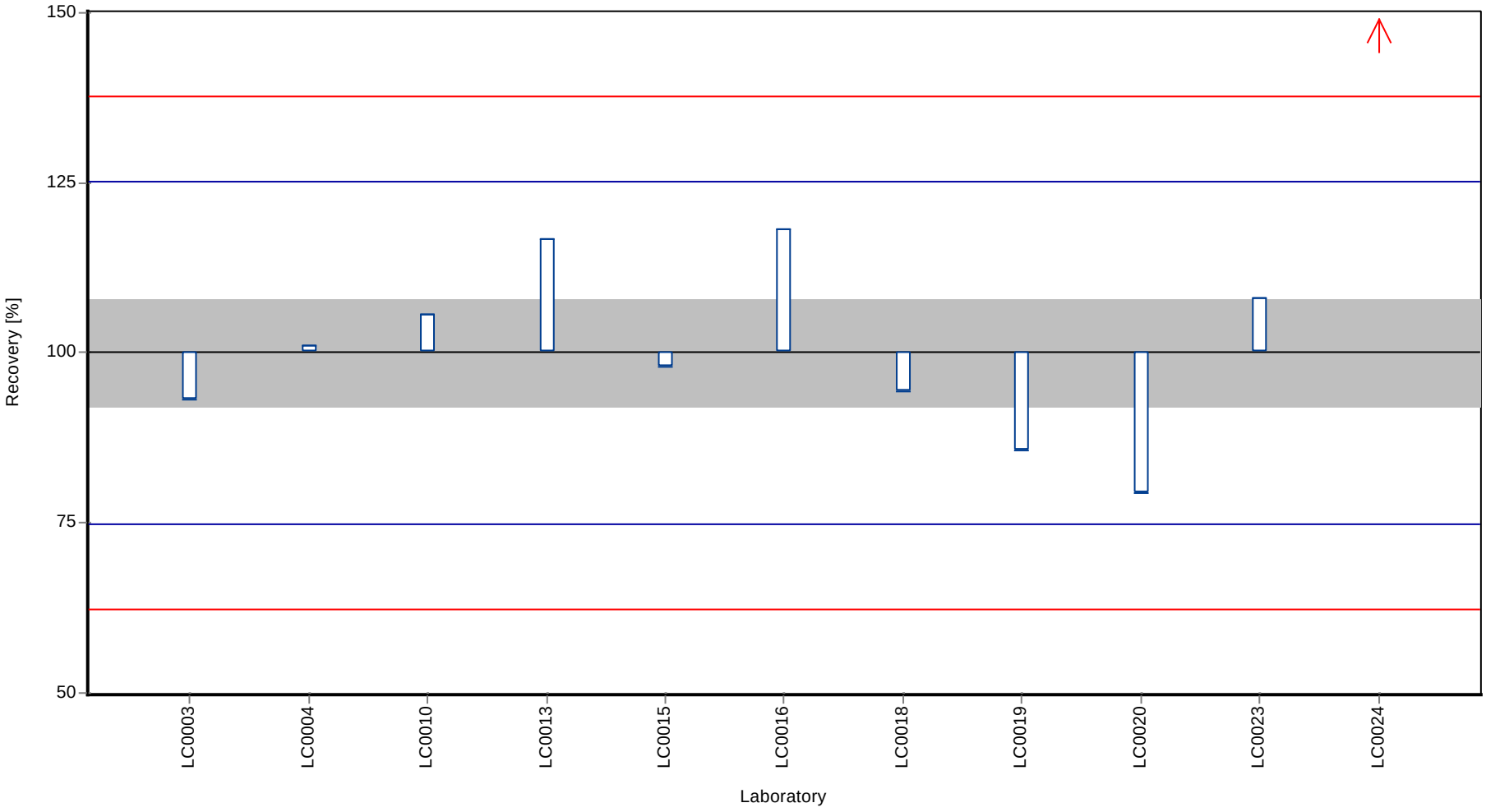
	all results	without outliners	Unit
Mean ± Cl (99%)	0.434 ± 0.097	0.405 ± 0.0484	µg/l
Minimum	0.322	0.322	µg/l
Maximum	0.723	0.479	µg/l
Standard deviation	0.107	0.051	µg/l
rel. Standard deviation	24.7	12.6	%
n	11	10	-

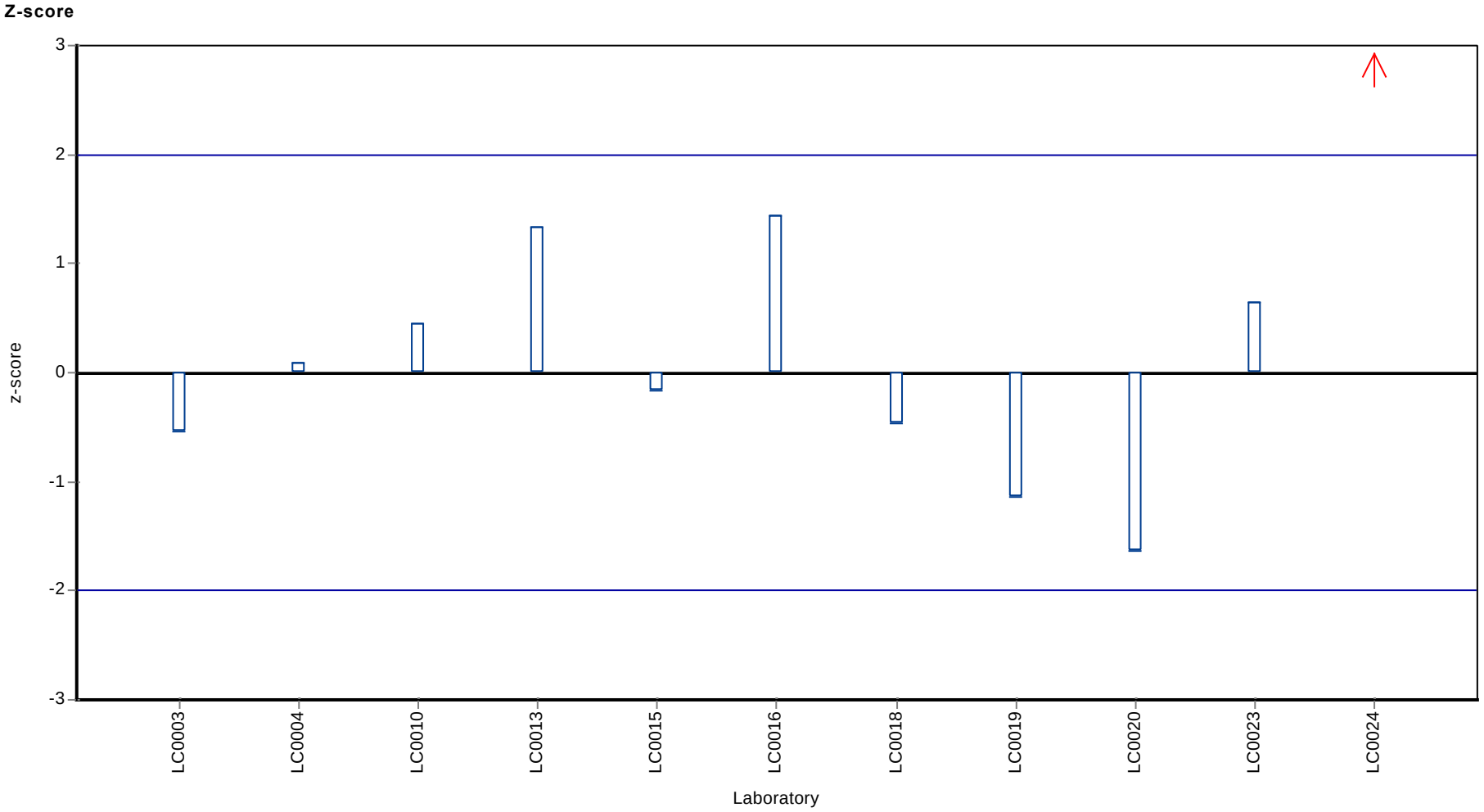
Graphical presentation of results

Results



Recovery rate




Z-score
3
2
1
0
-1
-2
-3
z-score
LC0003
LC0004
LC0010
LC0013
LC0015
LC0016
LC0018
LC0019
LC0020
LC0023
LC0024
Laboratory

Parameter oriented report

H91 A

Cyanazine

Unit	µg/l
Mean ± CI (99%)	-
Minimum - Maximum	-
Check value ± U	< 0.025 (LOD)

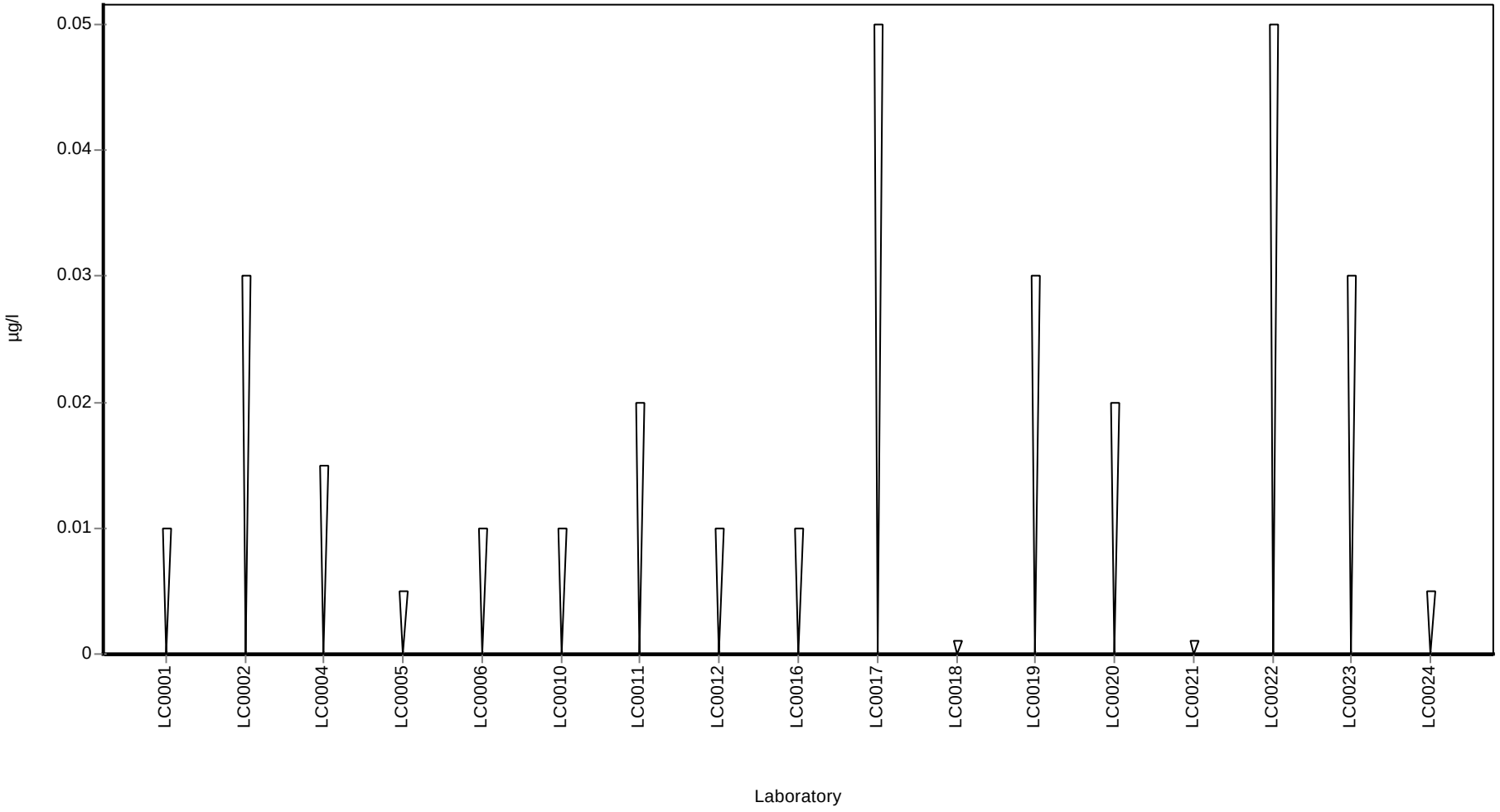
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	< 0.01 (LOQ)	-	-	-	
LC0002	< 0.03 (LOQ)	-	-	-	
LC0003	-	-	-	-	
LC0004	< 0.015 (LOQ)	-	-	-	
LC0005	< 0.005 (LOQ)	-	-	-	
LC0006	<0.01 (LOD)	-	-	-	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	-	-	-	-	
LC0010	< 0.01 (LOQ)	-	-	-	
LC0011	< 0.02 (LOQ)	-	-	-	
LC0012	< 0.01 (LOQ)	-	-	-	
LC0013	-	-	-	-	
LC0014	-	-	-	-	
LC0015	-	-	-	-	
LC0016	< 0.01 (LOQ)	-	-	-	
LC0017	< 0.05 (LOQ)	-	-	-	
LC0018	<0.001 (LOD)	-	-	-	
LC0019	< 0.03 (LOQ)	-	-	-	
LC0020	<0.02 (LOD)	-	-	-	
LC0021	< 0.001 (LOQ)	-	-	-	
LC0022	< 0.05 (LOQ)	-	-	-	
LC0023	< 0.03 (LOQ)	-	-	-	
LC0024	< 0.005 (LOQ)	-	-	-	

Characteristics of parameter

	all results	without outliners	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

H91 B

Cyanazine

Unit	µg/l
Mean ± Cl (99%)	0.208 ± 0.0194
Minimum - Maximum	0.163 - 0.273
Check value ± U	0.20 ± 0.011

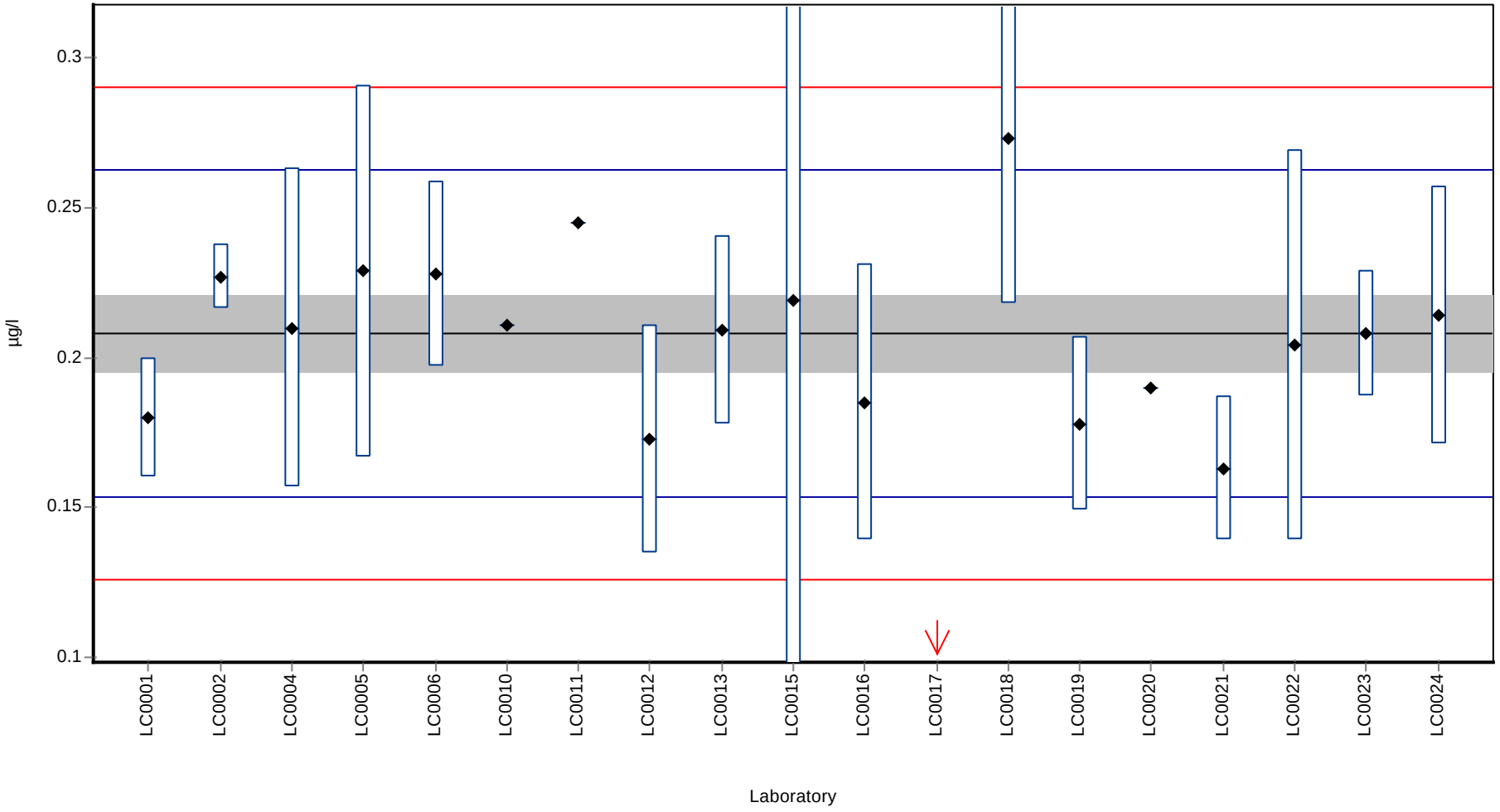
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.180	0.020	86.5	-1.0	
LC0002	0.227	0.0107	109.1	0.7	
LC0003	-	-	-	-	
LC0004	0.210	0.053	100.9	0.1	
LC0005	0.229	0.062	110.0	0.8	
LC0006	0.228	0.031	109.6	0.7	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	-	-	-	-	
LC0010	0.211	-	101.4	0.1	
LC0011	0.245	-	117.7	1.3	
LC0012	0.173	0.038	83.1	-1.3	
LC0013	0.209	0.0314	100.4	0.0	
LC0014	-	-	-	-	
LC0015	0.219	50.000	105.2	0.4	
LC0016	0.185	0.046	88.9	-0.8	
LC0017	0.044	0.022	21.1	-6.0	H
LC0018	0.273	0.055	131.2	2.4	
LC0019	0.178	0.029	85.5	-1.1	
LC0020	0.190	-	91.3	-0.7	
LC0021	0.163	0.024	78.3	-1.6	
LC0022	0.204	0.065	98.0	-0.2	
LC0023	0.208	0.021	99.9	0.0	
LC0024	0.214	0.043	102.8	0.2	

Characteristics of parameter

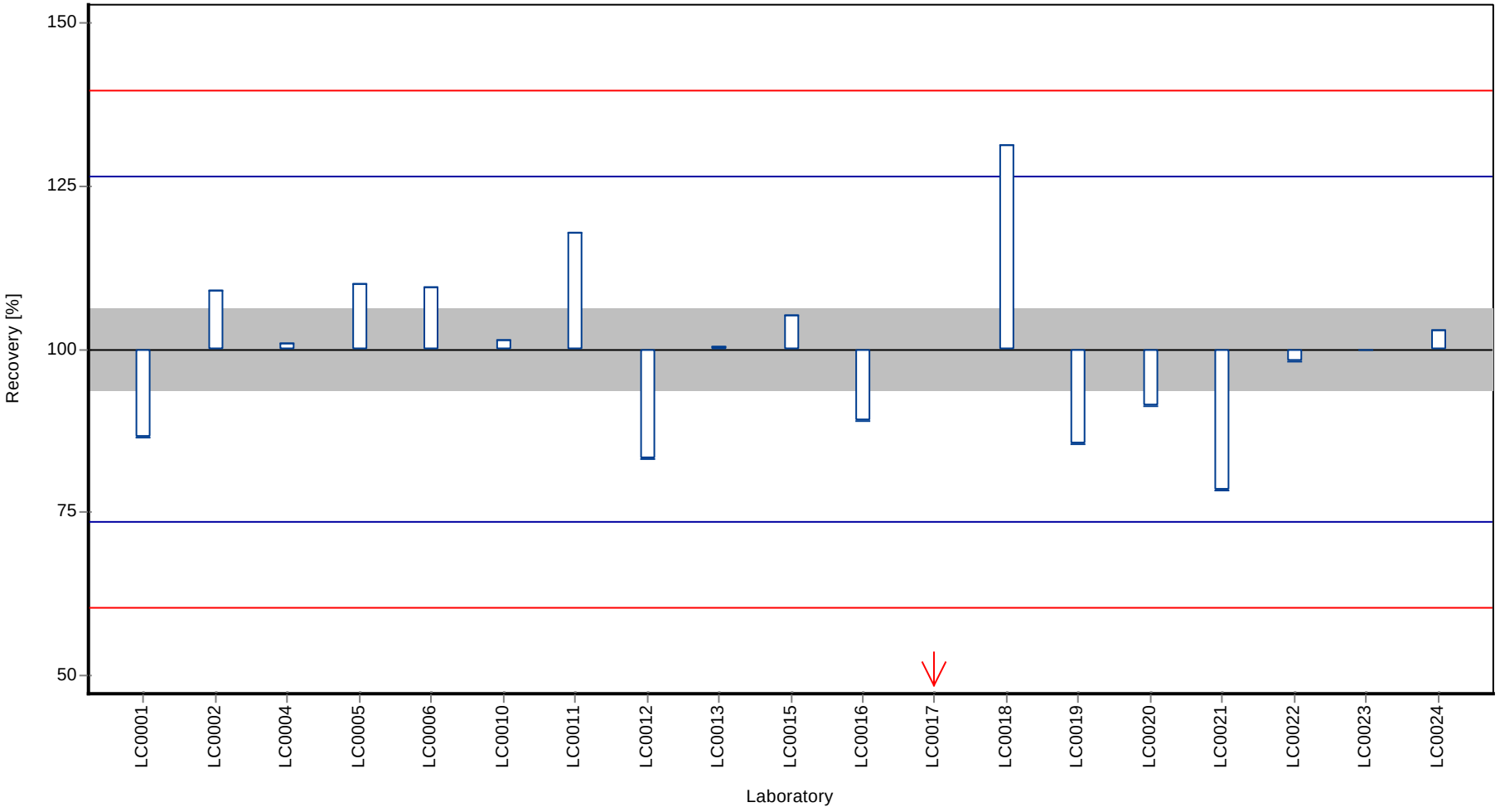
	all results	without outliners	Unit
Mean ± Cl (99%)	0.199 ± 0.0317	0.208 ± 0.0194	µg/l
Minimum	0.044	0.163	µg/l
Maximum	0.273	0.273	µg/l
Standard deviation	0.0461	0.0274	µg/l
rel. Standard deviation	23.1	13.2	%
n	19	18	-

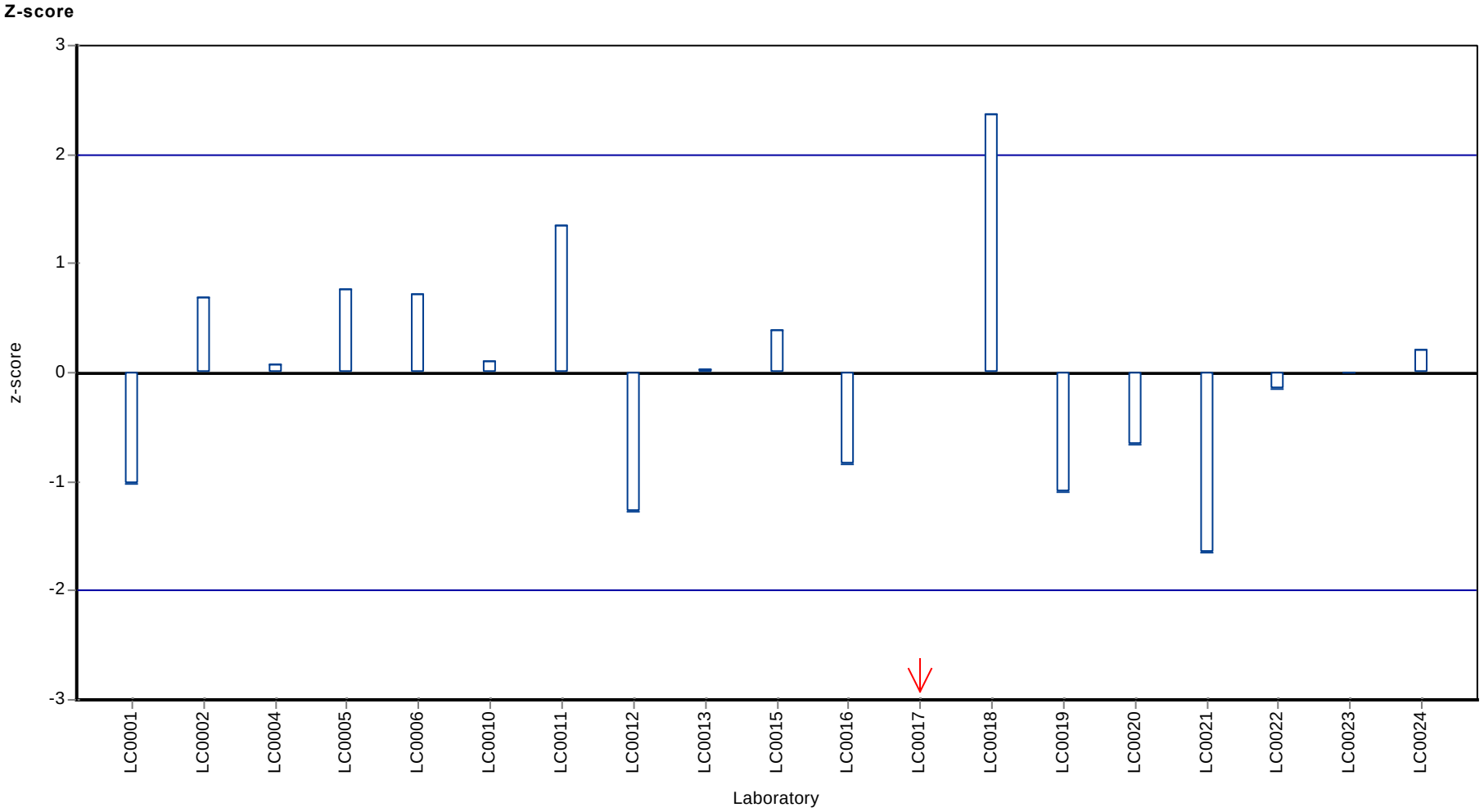
Graphical presentation of results

Results



Recovery rate




Z-score
3
2
1
0
-1
-2
-3
z-score
LC0001
LC0002
LC0004
LC0005
LC0006
LC0010
LC0011
LC0012
LC0013
LC0015
LC0016
LC0017
LC0018
LC0019
LC0020
LC0021
LC0022
LC0023
LC0024
Laboratory

Parameter oriented report

H91 A

Diuron

Unit	µg/l
Mean ± Cl (99%)	0.0857 ± 0.00565
Minimum - Maximum	0.07 - 0.098
Check value ± U	0.10 ± 0.0064

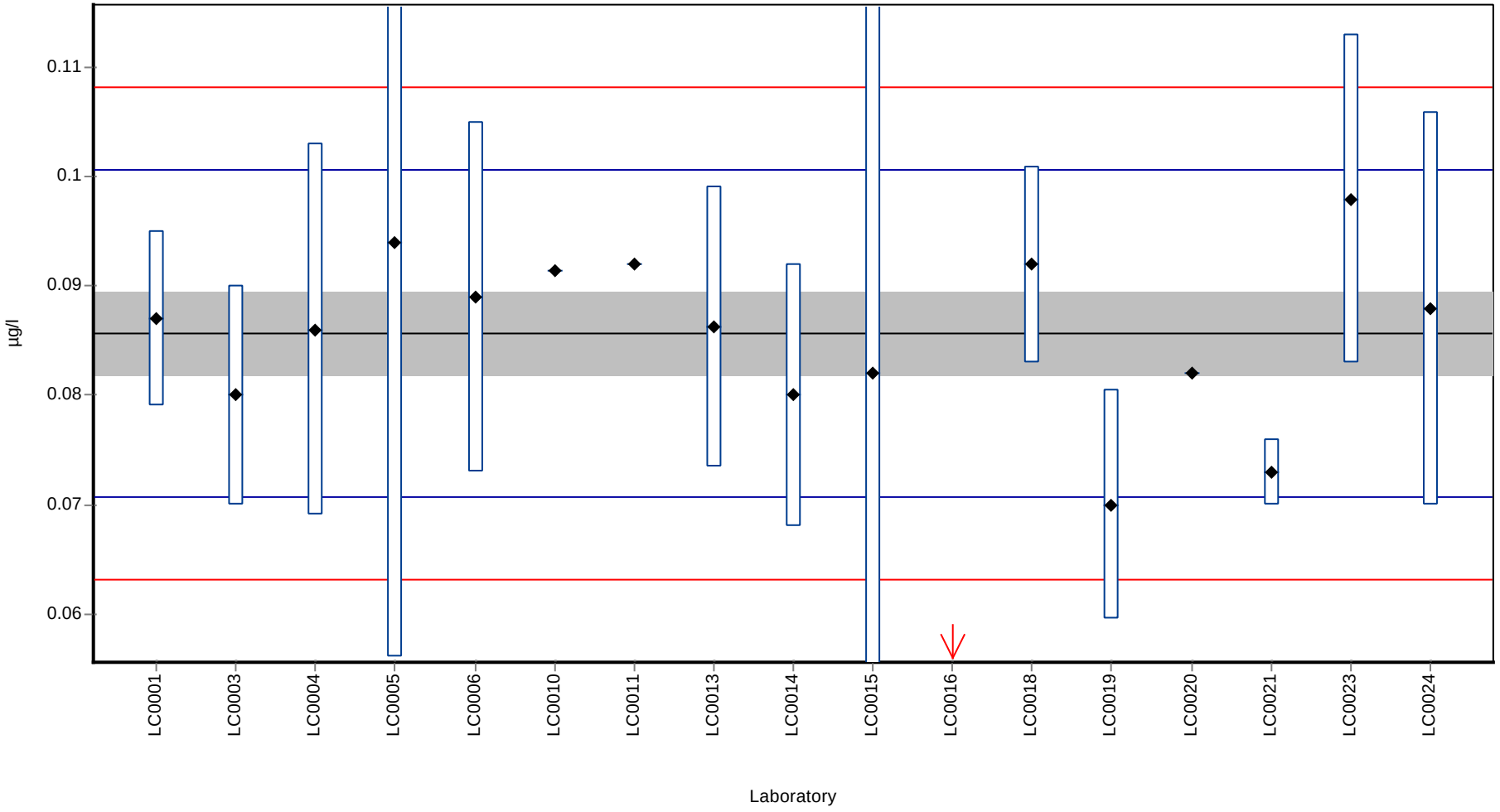
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.087	0.008	101.6	0.2	
LC0002	-	-	-	-	
LC0003	0.080	0.010	93.4	-0.8	
LC0004	0.086	0.017	100.4	0.0	
LC0005	0.094	0.038	109.7	1.1	
LC0006	0.089	0.016	103.9	0.4	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	-	-	-	-	
LC0010	0.0914	-	106.7	0.8	
LC0011	0.092	-	107.4	0.8	
LC0012	-	-	-	-	
LC0013	0.0863	0.0129	100.7	0.1	
LC0014	0.080	0.012	93.4	-0.8	
LC0015	0.082	50.000	95.7	-0.5	
LC0016	< 0.01 (LOQ)	-	-	-	FN
LC0017	-	-	-	-	
LC0018	0.092	0.009	107.4	0.8	
LC0019	0.070	0.0105	81.7	-2.1	
LC0020	0.082	-	95.7	-0.5	
LC0021	0.073	0.003	85.2	-1.7	
LC0022	-	-	-	-	
LC0023	0.098	0.015	114.4	1.6	
LC0024	0.088	0.018	102.7	0.3	

Characteristics of parameter

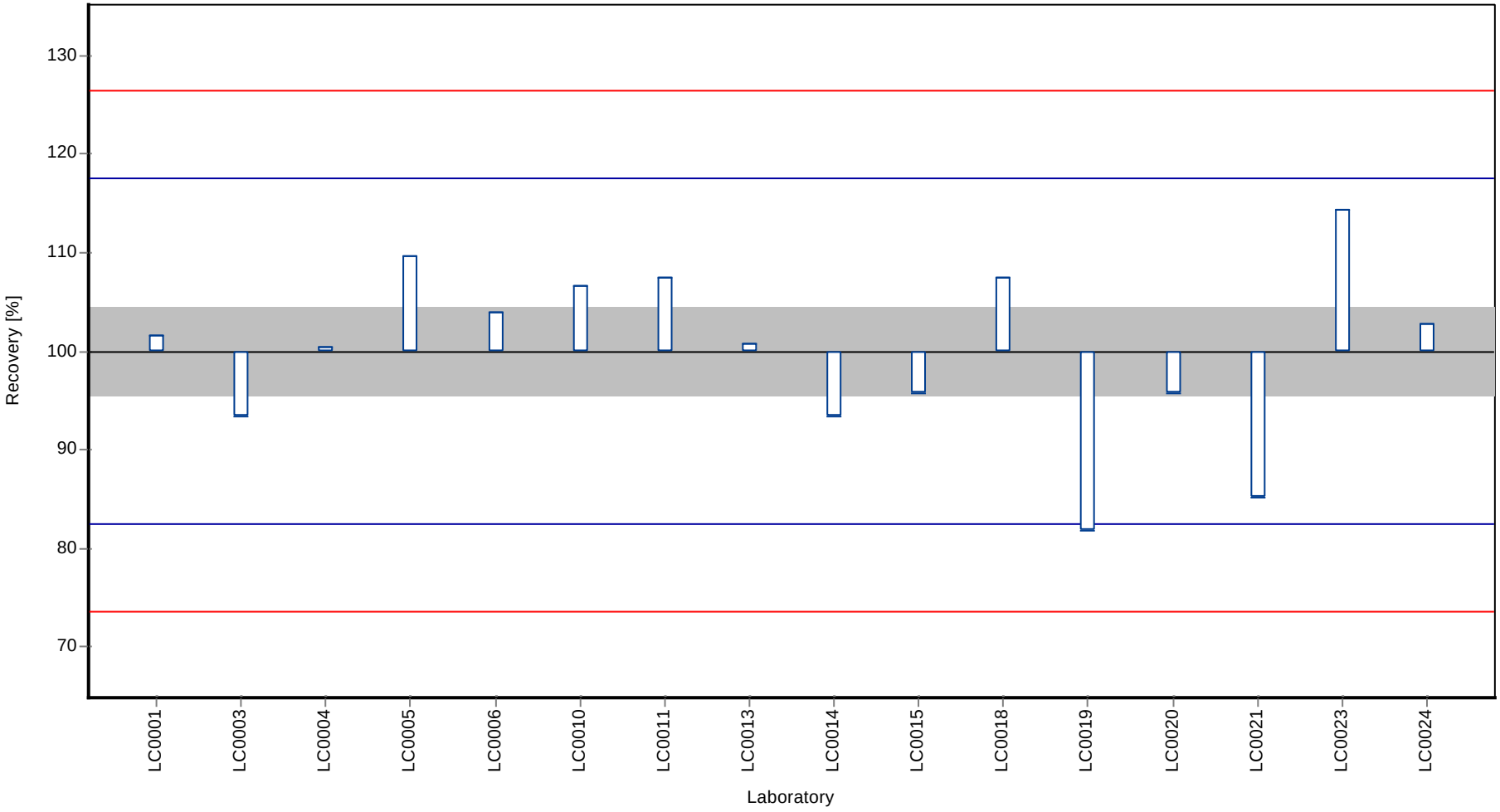
	all results	without outliners	Unit
Mean ± Cl (99%)	0.0857 ± 0.00565	0.0857 ± 0.00565	µg/l
Minimum	0.07	0.07	µg/l
Maximum	0.098	0.098	µg/l
Standard deviation	0.00753	0.00753	µg/l
rel. Standard deviation	8.79	8.79	%
n	16	16	-

Graphical presentation of results

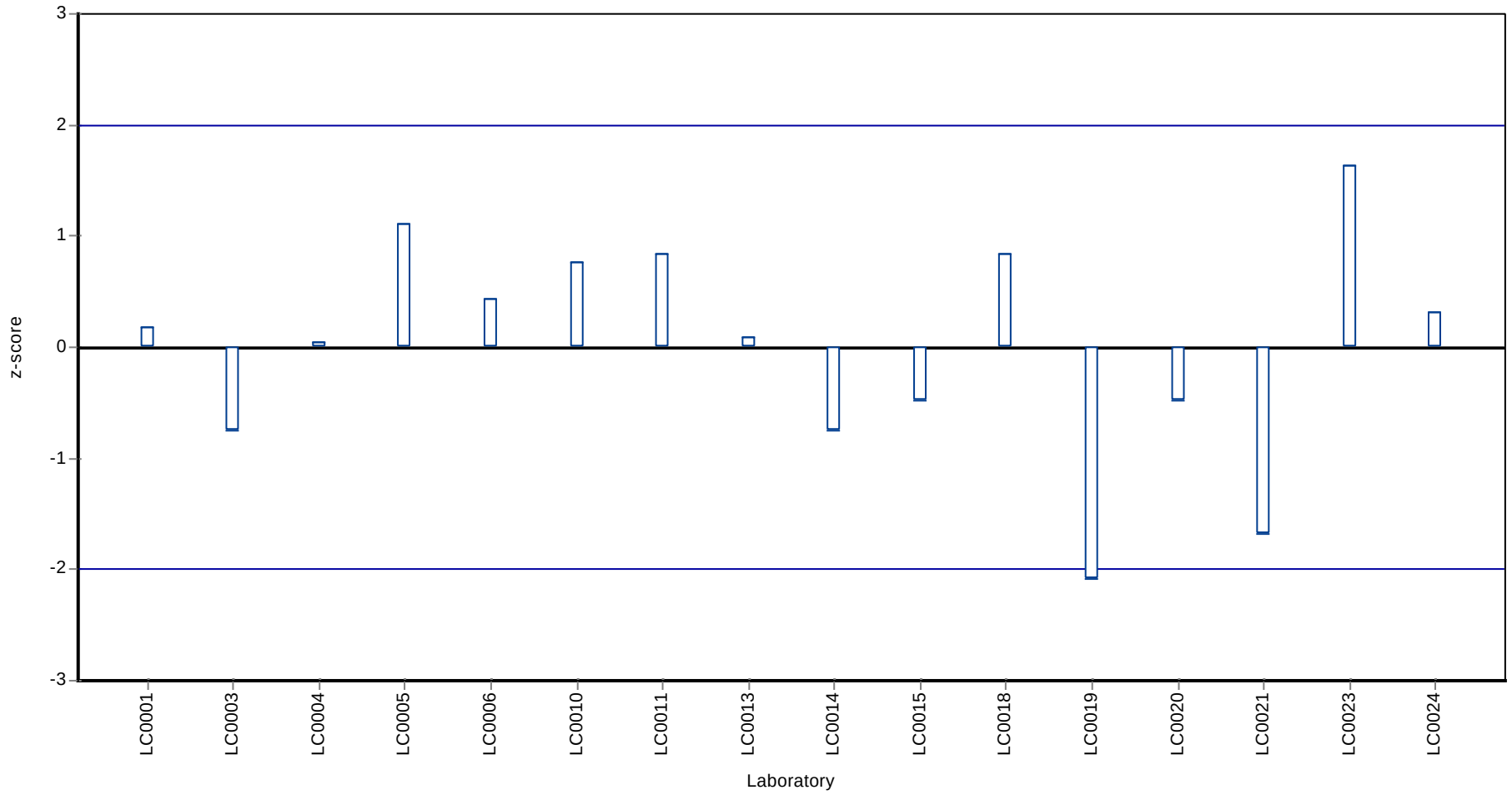
Results



Recovery rate



Z-score


3
2
1
0
-1
-2
-3
z-score
LC0001
LC0003
LC0004
LC0005
LC0006
LC0010
LC0011
LC0013
LC0014
LC0015
LC0018
LC0019
LC0020
LC0021
LC0023
LC0024
Laboratory

Parameter oriented report

H91 B

Diuron

Unit	µg/l
Mean ± CI (99%)	-
Minimum - Maximum	0.004 - 0.0054
Check value ± U	< 0.025 (LOD)

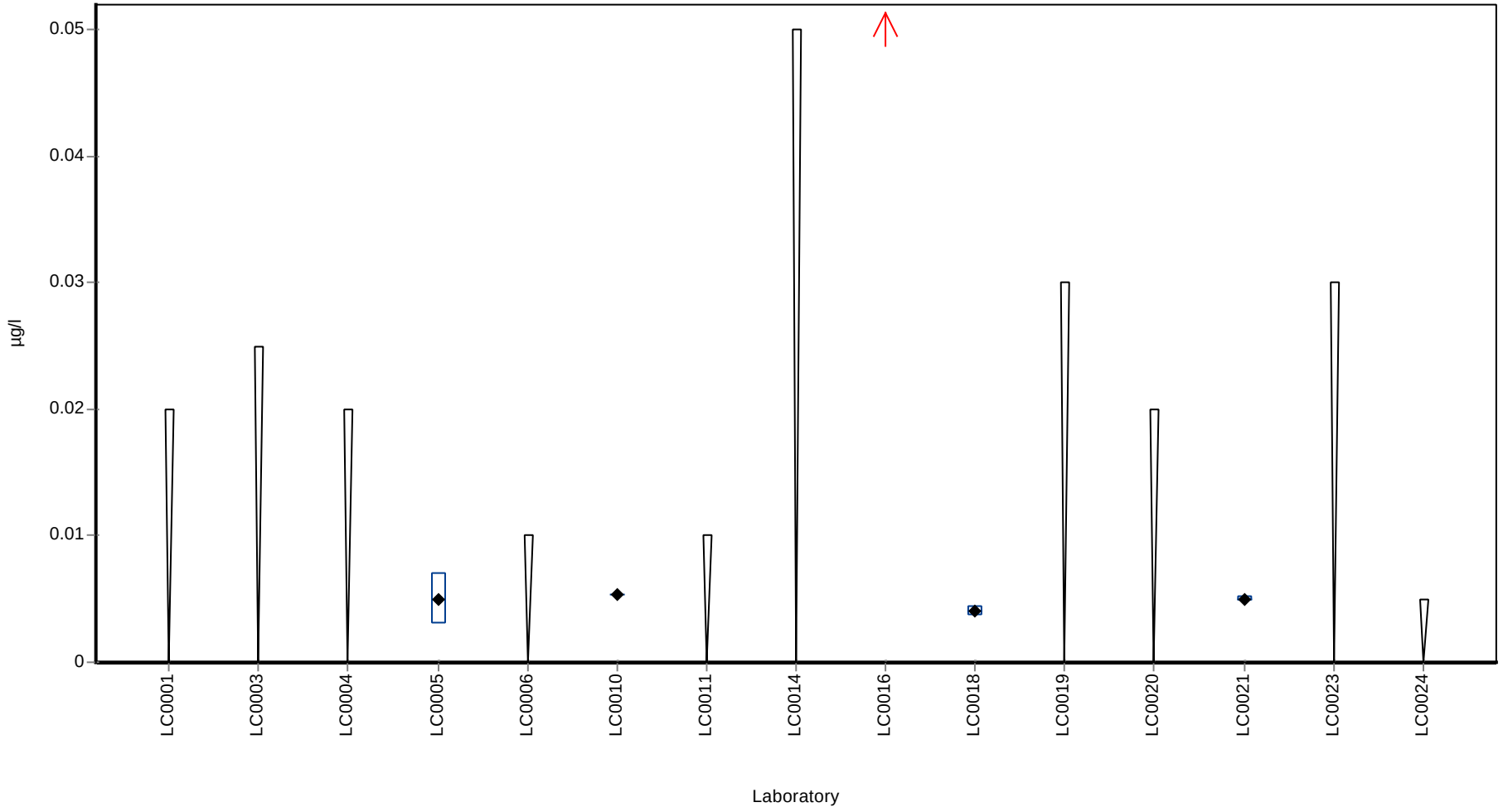
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	< 0.02 (LOQ)	-	-	-	
LC0002	-	-	-	-	
LC0003	< 0.025 (LOQ)	-	-	-	
LC0004	< 0.02 (LOQ)	-	-	-	
LC0005	0.005	0.002	-	-	
LC0006	<0.01 (LOD)	-	-	-	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	-	-	-	-	
LC0010	0.0054	-	-	-	
LC0011	< 0.01 (LOQ)	-	-	-	
LC0012	-	-	-	-	
LC0013	-	-	-	-	
LC0014	< 0.05 (LOQ)	-	-	-	
LC0015	-	-	-	-	
LC0016	0.088	0.018	-	-	H
LC0017	-	-	-	-	
LC0018	0.004	0.0004	-	-	
LC0019	< 0.03 (LOQ)	-	-	-	
LC0020	<0.02 (LOD)	-	-	-	
LC0021	0.005	0.0002	-	-	
LC0022	-	-	-	-	
LC0023	< 0.03 (LOQ)	-	-	-	
LC0024	< 0.005 (LOQ)	-	-	-	

Characteristics of parameter

	all results	without outliners	Unit
Mean ± CI (99%)	0.0215 ± 0.0499	-	µg/l
Minimum	0.004	0.004	µg/l
Maximum	0.088	0.0054	µg/l
Standard deviation	0.0372	-	µg/l
rel. Standard deviation	173	-	%
n	5	4	-

Graphical presentation of results

Results



Parameter oriented report

H91 A

Metolachlor

Unit	µg/l
Mean ± Cl (99%)	0.113 ± 0.0105
Minimum - Maximum	0.084 - 0.138
Check value ± U	0.14 ± 0.012

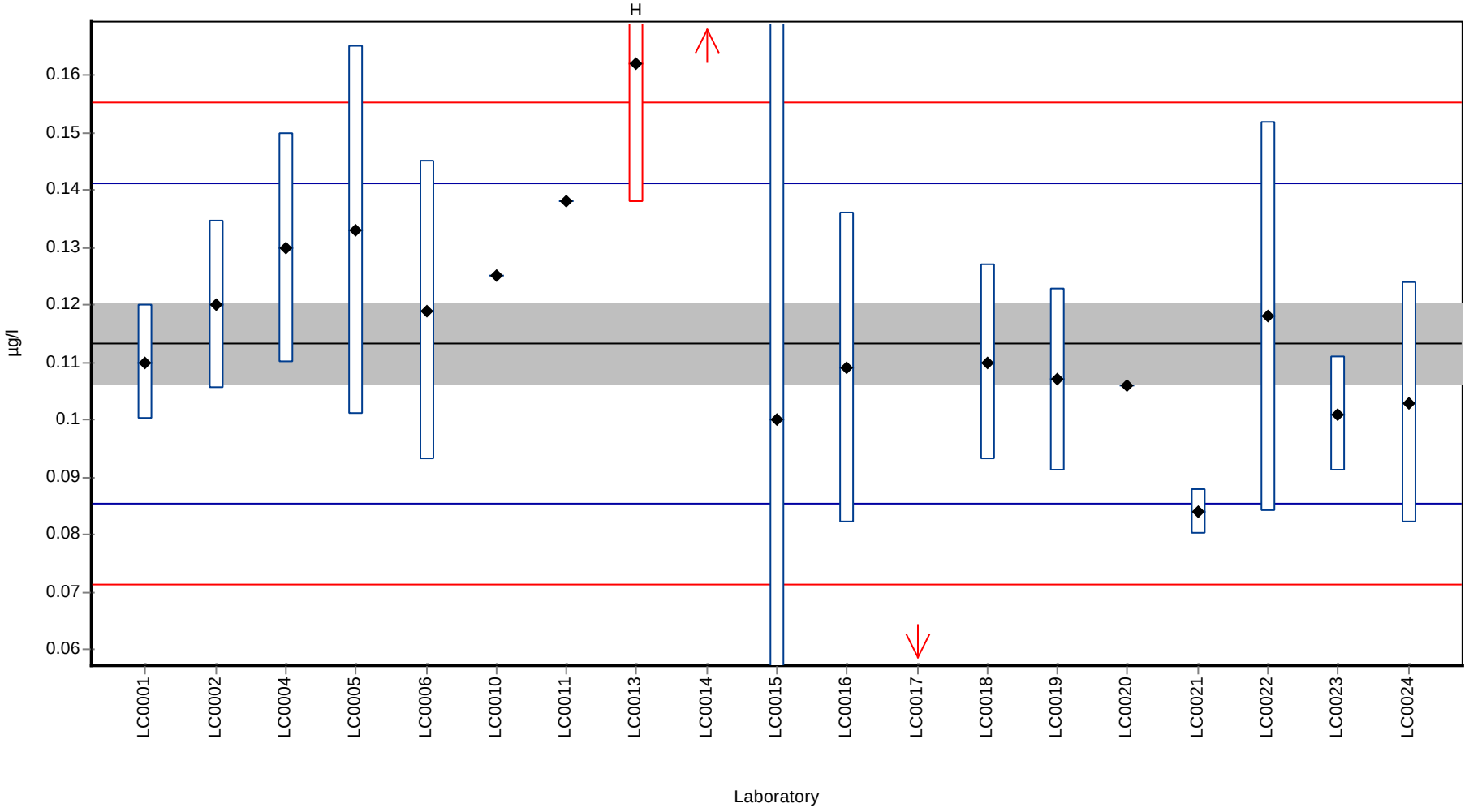
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.110	0.010	97.1	-0.2	
LC0002	0.120	0.0147	105.9	0.5	
LC0003	-	-	-	-	
LC0004	0.130	0.020	114.7	1.2	
LC0005	0.133	0.032	117.4	1.4	
LC0006	0.119	0.026	105.0	0.4	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	-	-	-	-	
LC0010	0.125	-	110.3	0.8	
LC0011	0.138	-	121.8	1.8	
LC0012	-	-	-	-	
LC0013	0.1621	0.0243	143.1	3.5	H
LC0014	0.606	0.091	534.8	35.2	H
LC0015	0.100	50.000	88.3	-1.0	
LC0016	0.109	0.027	96.2	-0.3	
LC0017	0.034	0.017	30.0	-5.7	H
LC0018	0.110	0.017	97.1	-0.2	
LC0019	0.107	0.016	94.4	-0.5	
LC0020	0.106	-	93.5	-0.5	
LC0021	0.084	0.004	74.1	-2.1	
LC0022	0.118	0.034	104.1	0.3	
LC0023	0.101	0.010	89.1	-0.9	
LC0024	0.103	0.021	90.9	-0.7	

Characteristics of parameter

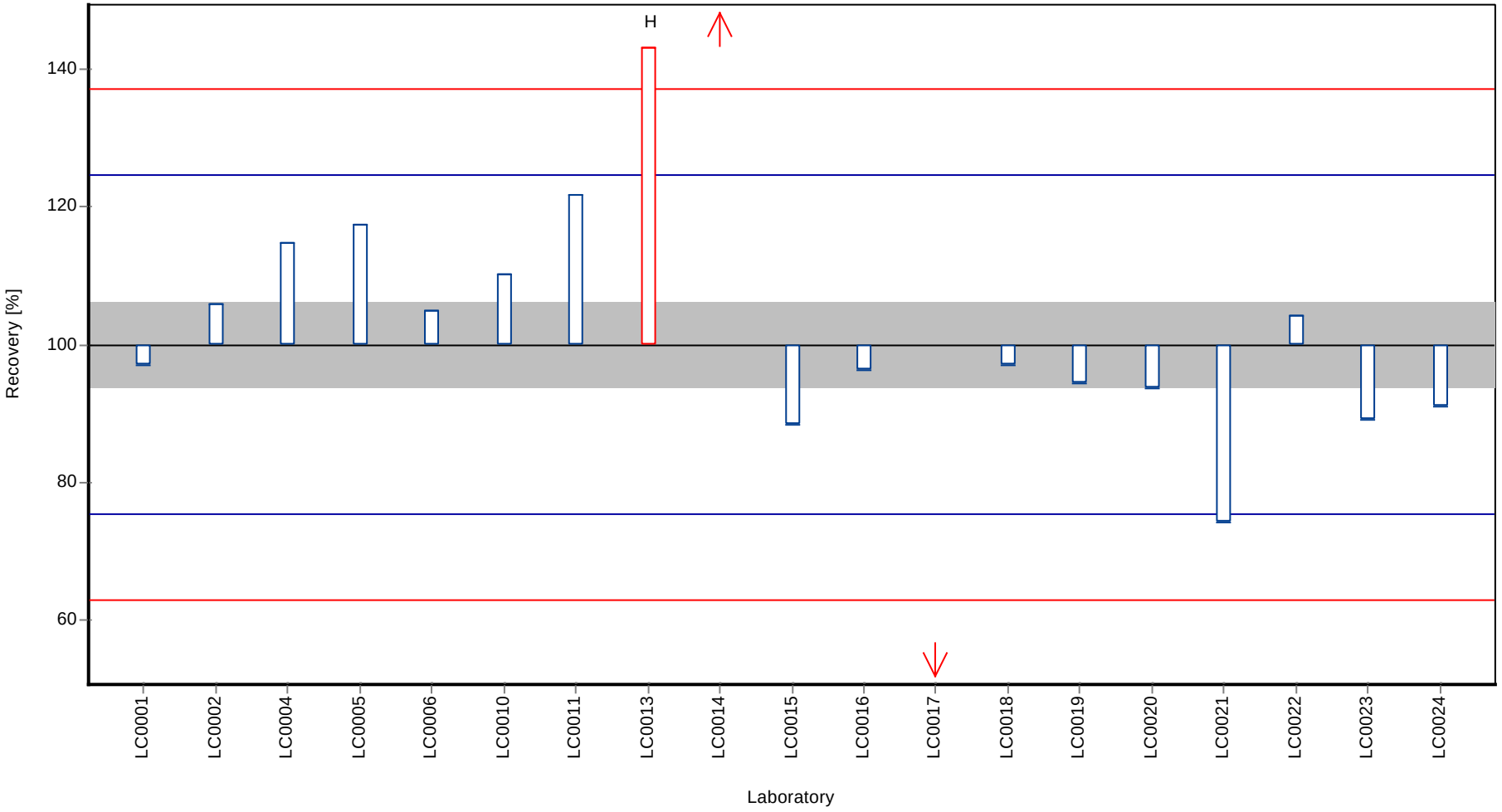
	all results	without outliners	Unit
Mean ± Cl (99%)	0.138 ± 0.08	0.113 ± 0.0105	µg/l
Minimum	0.034	0.084	µg/l
Maximum	0.606	0.138	µg/l
Standard deviation	0.116	0.014	µg/l
rel. Standard deviation	84.4	12.4	%
n	19	16	-

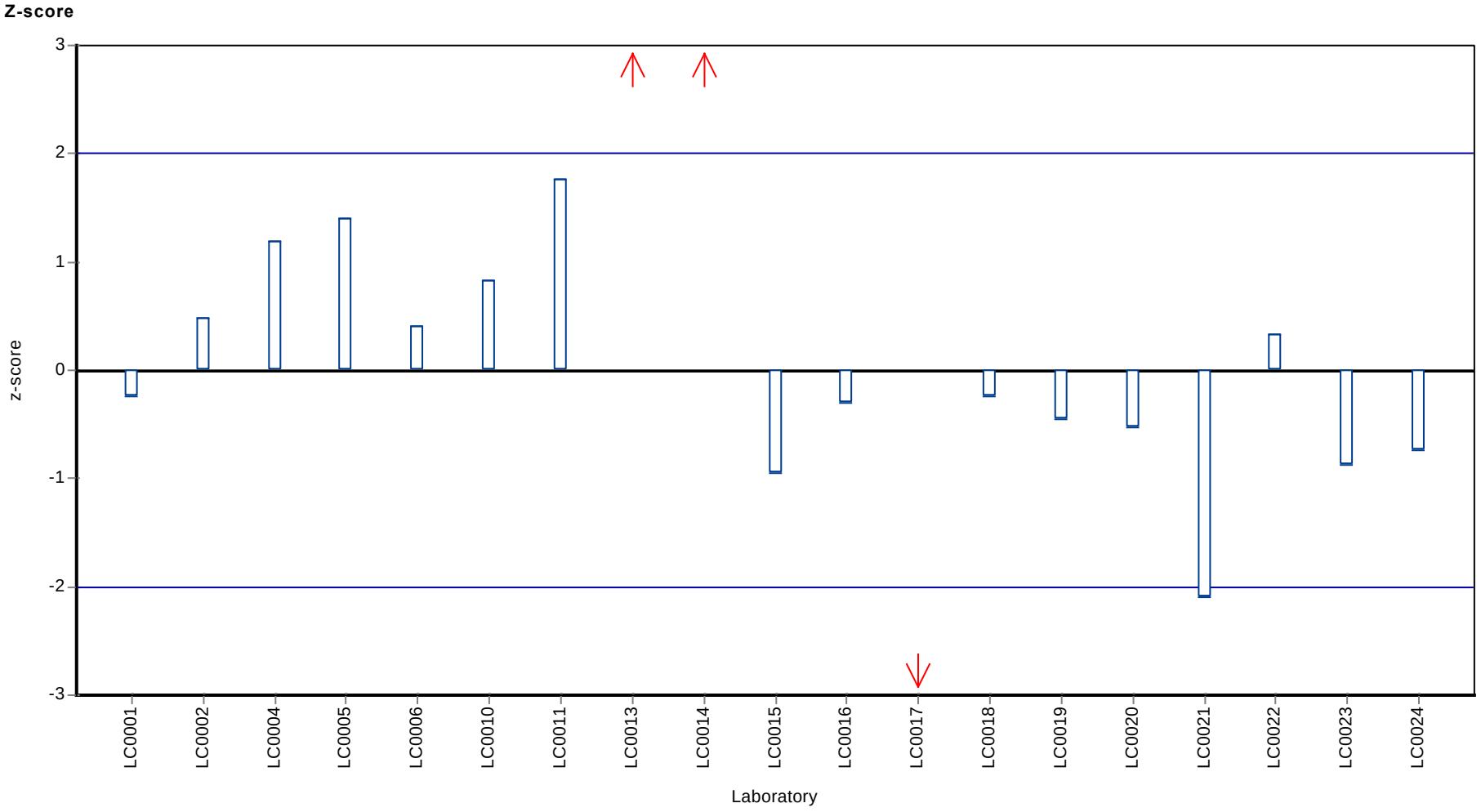
Graphical presentation of results

Results



Recovery rate




Z-score
3
2
1
0
-1
-2
-3
z-score
LC0001
LC0002
LC0004
LC0005
LC0006
LC0010
LC0011
LC0013
LC0014
LC0015
LC0016
LC0017
LC0018
LC0019
LC0020
LC0021
LC0022
LC0023
LC0024
Laboratory

Parameter oriented report

H91 B

Metolachlor

Unit	µg/l
Mean ± Cl (99%)	-
Minimum - Maximum	0.823 - 0.823
Check value ± U	< 0.025 (LOD)

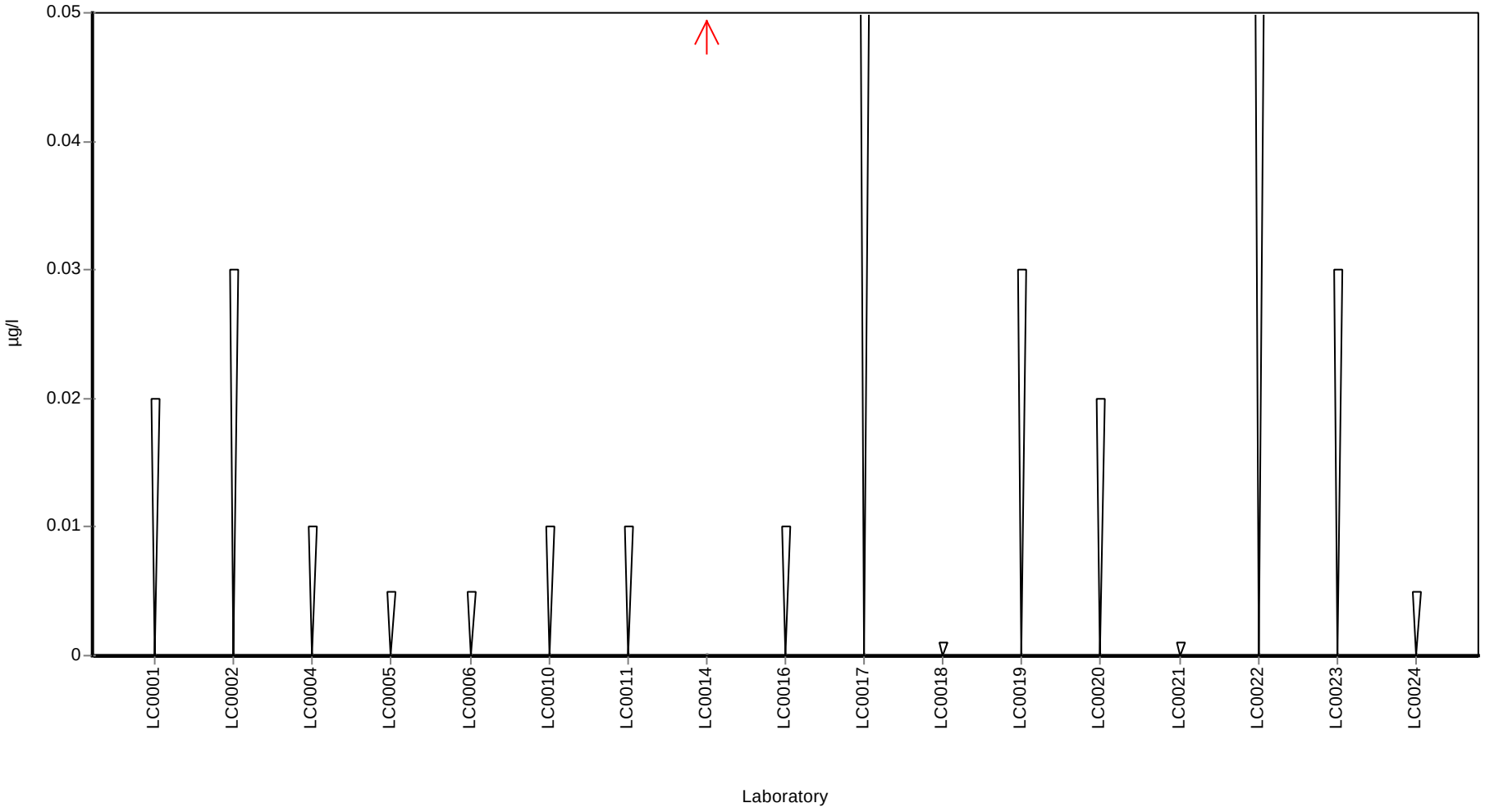
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	< 0.02 (LOQ)	-	-	-	
LC0002	< 0.03 (LOQ)	-	-	-	
LC0003	-	-	-	-	
LC0004	< 0.01 (LOQ)	-	-	-	
LC0005	< 0.005 (LOQ)	-	-	-	
LC0006	<0.005 (LOD)	-	-	-	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	-	-	-	-	
LC0010	< 0.01 (LOQ)	-	-	-	
LC0011	< 0.01 (LOQ)	-	-	-	
LC0012	-	-	-	-	
LC0013	-	-	-	-	
LC0014	0.823	0.123	-	-	FP
LC0015	-	-	-	-	
LC0016	< 0.01 (LOQ)	-	-	-	
LC0017	< 0.05 (LOQ)	-	-	-	
LC0018	<0.001 (LOD)	-	-	-	
LC0019	< 0.03 (LOQ)	-	-	-	
LC0020	<0.02 (LOD)	-	-	-	
LC0021	< 0.001 (LOQ)	-	-	-	
LC0022	< 0.05 (LOQ)	-	-	-	
LC0023	< 0.03 (LOQ)	-	-	-	
LC0024	< 0.005 (LOQ)	-	-	-	

Characteristics of parameter

	all results	without outliners	Unit
Mean ± Cl (99%)	0.823	-	µg/l
Minimum	0.823	0.823	µg/l
Maximum	0.823	0.823	µg/l
Standard deviation	-	-	µg/l
rel. Standard deviation	-	-	%
n	1	1	-

Graphical presentation of results

Results



Parameter oriented report

H91 A

Prometryn

Unit	µg/l
Mean ± Cl (99%)	0.498 ± 0.0272
Minimum - Maximum	0.457 - 0.55
Check value ± U	0.56 ± 0.018

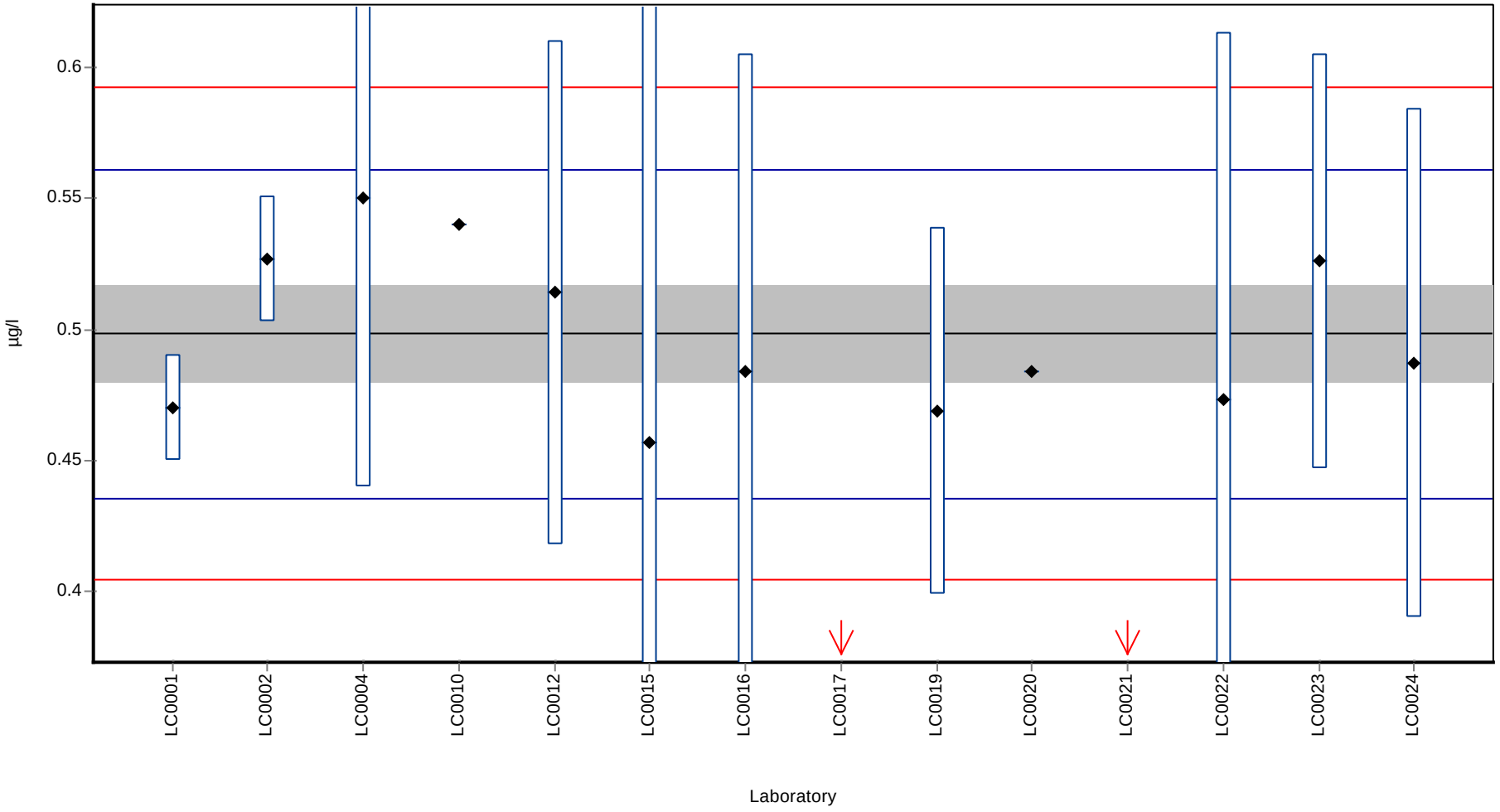
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.470	0.020	94.3	-0.9	
LC0002	0.527	0.0239	105.7	0.9	
LC0003	-	-	-	-	
LC0004	0.550	0.110	110.3	1.6	
LC0005	-	-	-	-	
LC0006	-	-	-	-	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	-	-	-	-	
LC0010	0.5403	-	108.4	1.3	
LC0011	-	-	-	-	
LC0012	0.514	0.096	103.1	0.5	
LC0013	-	-	-	-	
LC0014	-	-	-	-	
LC0015	0.457	50.000	91.7	-1.3	
LC0016	0.484	0.121	97.1	-0.5	
LC0017	0.138	0.028	27.7	-11.5	H
LC0018	-	-	-	-	
LC0019	0.469	0.070	94.1	-0.9	
LC0020	0.484	-	97.1	-0.5	
LC0021	0.314	0.036	63.0	-5.9	H
LC0022	0.473	0.140	94.9	-0.8	
LC0023	0.526	0.079	105.5	0.9	
LC0024	0.487	0.097	97.7	-0.4	

Characteristics of parameter

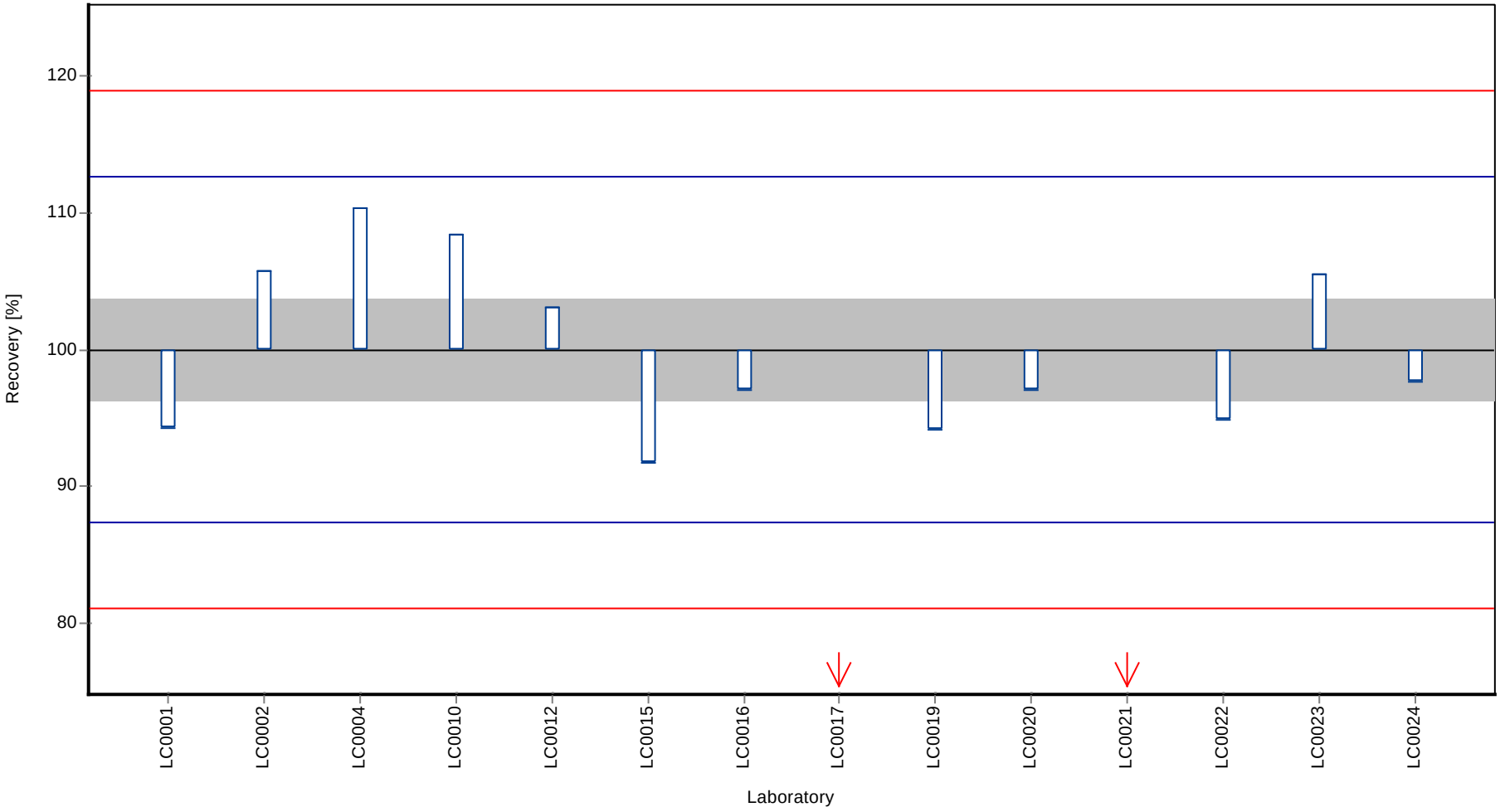
	all results	without outliners	Unit
Mean ± Cl (99%)	0.46 ± 0.0871	0.498 ± 0.0272	µg/l
Minimum	0.138	0.457	µg/l
Maximum	0.55	0.55	µg/l
Standard deviation	0.109	0.0314	µg/l
rel. Standard deviation	23.7	6.29	%
n	14	12	-

Graphical presentation of results

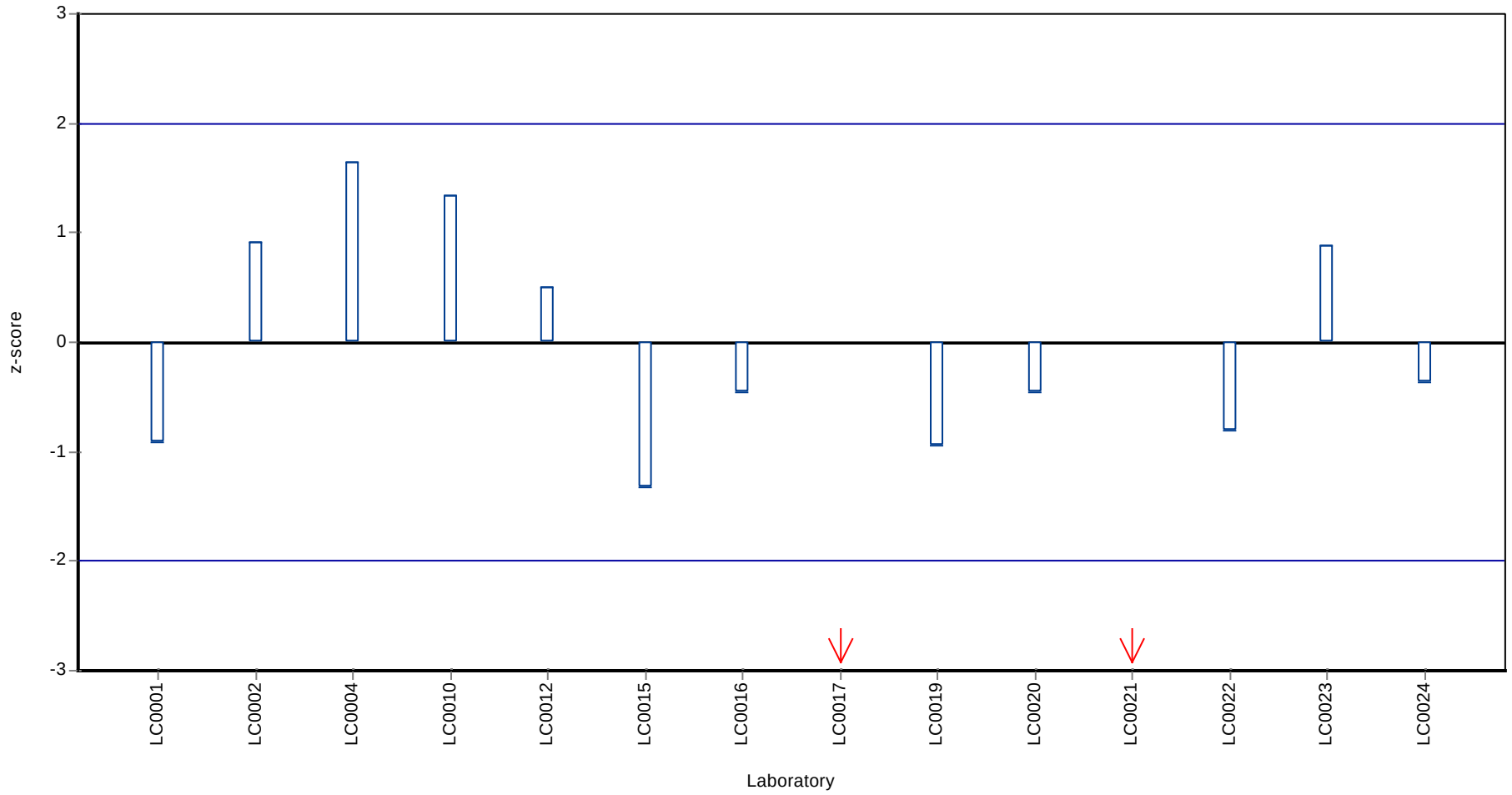
Results



Recovery rate



Z-score


3
2
1
0
-1
-2
-3
z-score
LC0001
LC0002
LC0004
LC0010
LC0012
LC0015
LC0016
LC0017
LC0019
LC0020
LC0021
LC0022
LC0023
LC0024
Laboratory

Parameter oriented report

H91 B

Prometryn

Unit	µg/l
Mean ± Cl (99%)	0.384 ± 0.0401
Minimum - Maximum	0.255 - 0.438
Check value ± U	0.36 ± 0.017

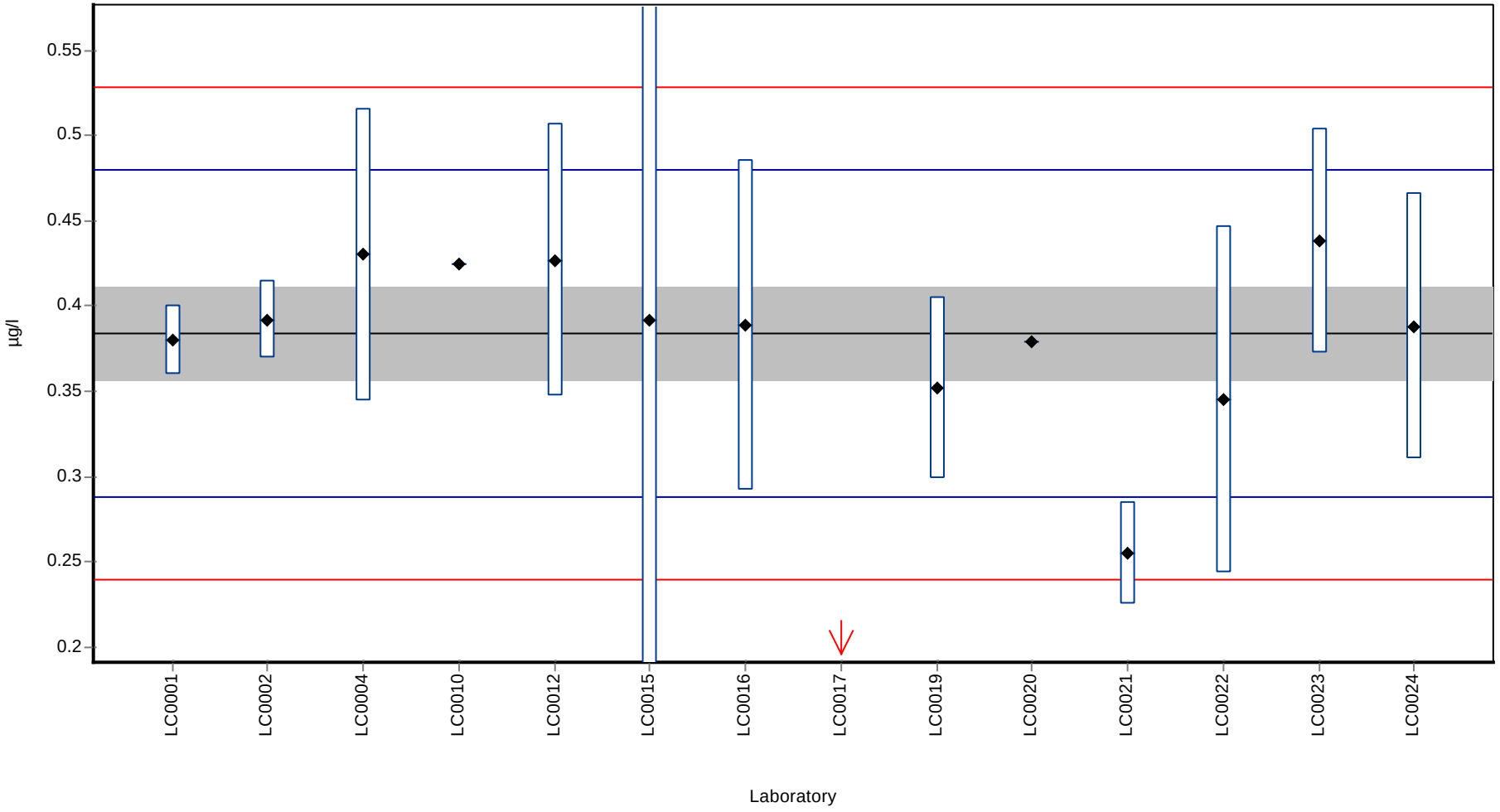
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.380	0.020	99.0	-0.1	
LC0002	0.392	0.0225	102.1	0.2	
LC0003	-	-	-	-	
LC0004	0.430	0.086	112.0	1.0	
LC0005	-	-	-	-	
LC0006	-	-	-	-	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	-	-	-	-	
LC0010	0.4242	-	110.5	0.8	
LC0011	-	-	-	-	
LC0012	0.427	0.080	111.2	0.9	
LC0013	-	-	-	-	
LC0014	-	-	-	-	
LC0015	0.392	50.000	102.1	0.2	
LC0016	0.389	0.097	101.3	0.1	
LC0017	0.110	0.022	28.7	-5.7	H
LC0018	-	-	-	-	
LC0019	0.352	0.053	91.7	-0.7	
LC0020	0.379	-	98.7	-0.1	
LC0021	0.255	0.030	66.4	-2.7	
LC0022	0.345	0.102	89.9	-0.8	
LC0023	0.438	0.066	114.1	1.1	
LC0024	0.388	0.078	101.1	0.1	

Characteristics of parameter

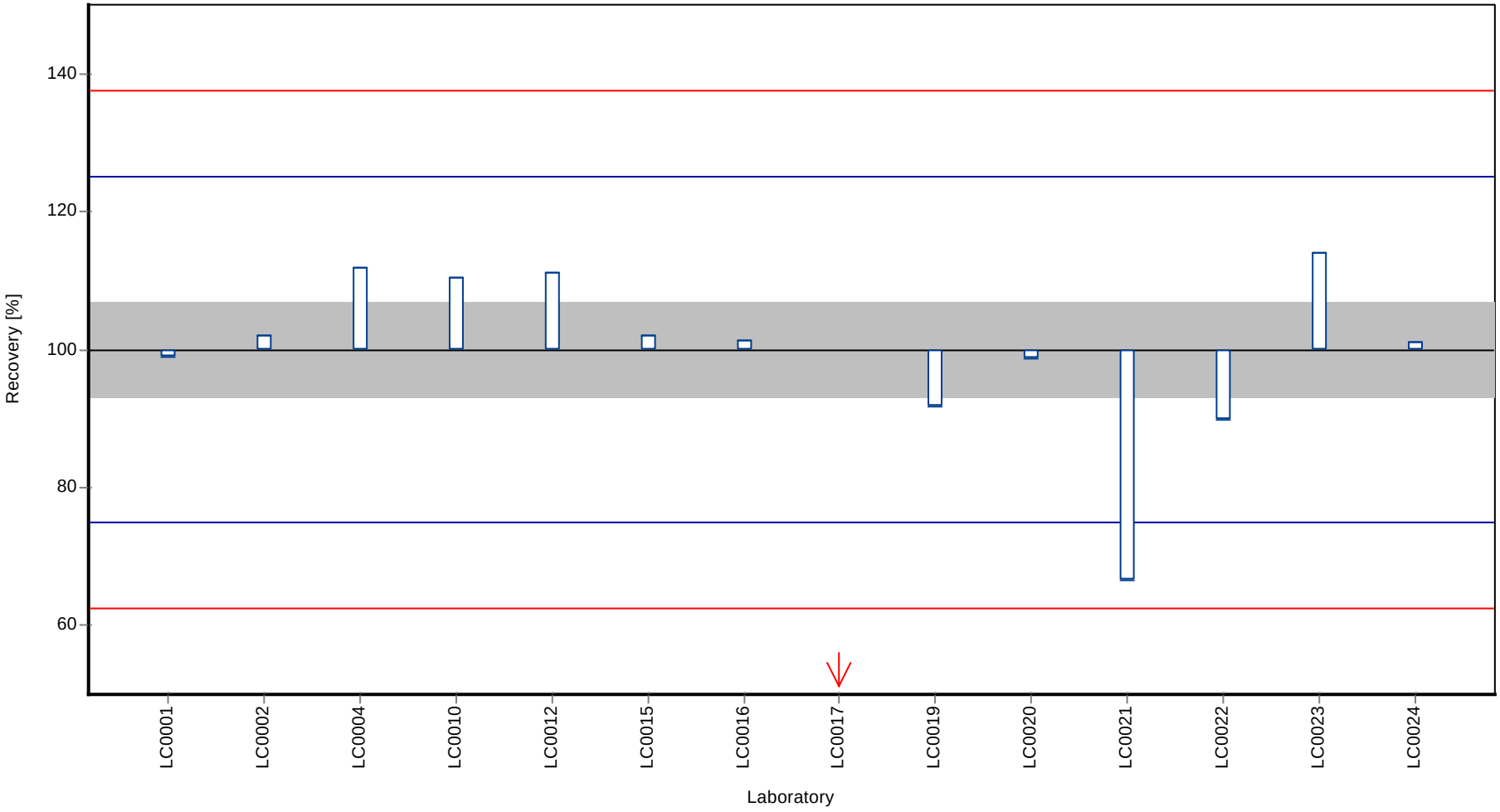
	all results	without outliners	Unit
Mean ± Cl (99%)	0.364 ± 0.0695	0.384 ± 0.0401	µg/l
Minimum	0.11	0.255	µg/l
Maximum	0.438	0.438	µg/l
Standard deviation	0.0866	0.0482	µg/l
rel. Standard deviation	23.8	12.6	%
n	14	13	-

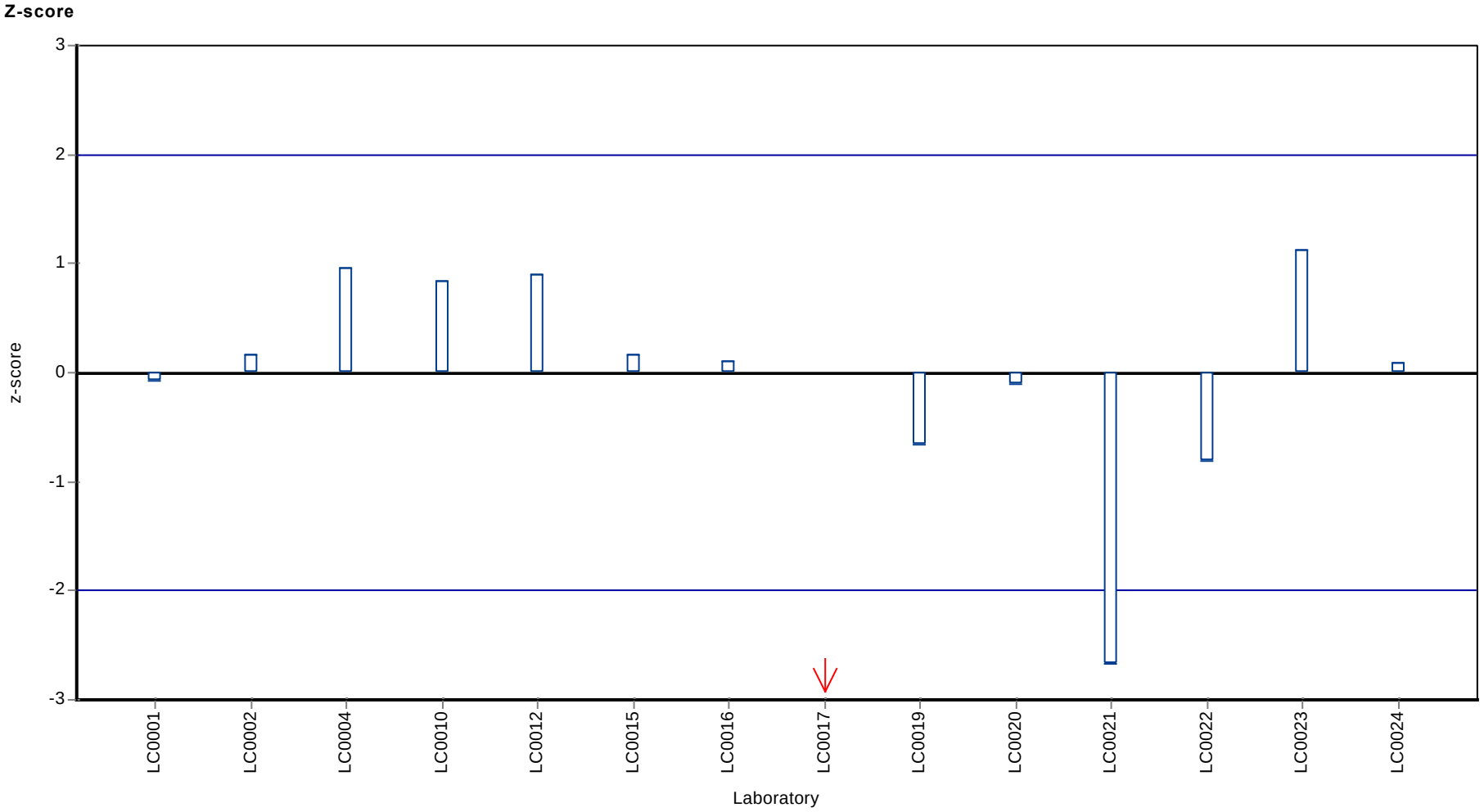
Graphical presentation of results

Results



Recovery rate




Z-score
3
2
1
0
-1
-2
-3
z-score
LC0001
LC0002
LC0004
LC0010
LC0012
LC0015
LC0016
LC0017
LC0019
LC0020
LC0021
LC0022
LC0023
LC0024
Laboratory

Parameter oriented report

H91 A

Propazine

Unit	µg/l
Mean ± Cl (99%)	0.0869 ± 0.00613
Minimum - Maximum	0.065 - 0.1035
Check value ± U	0.093 ± 0.016

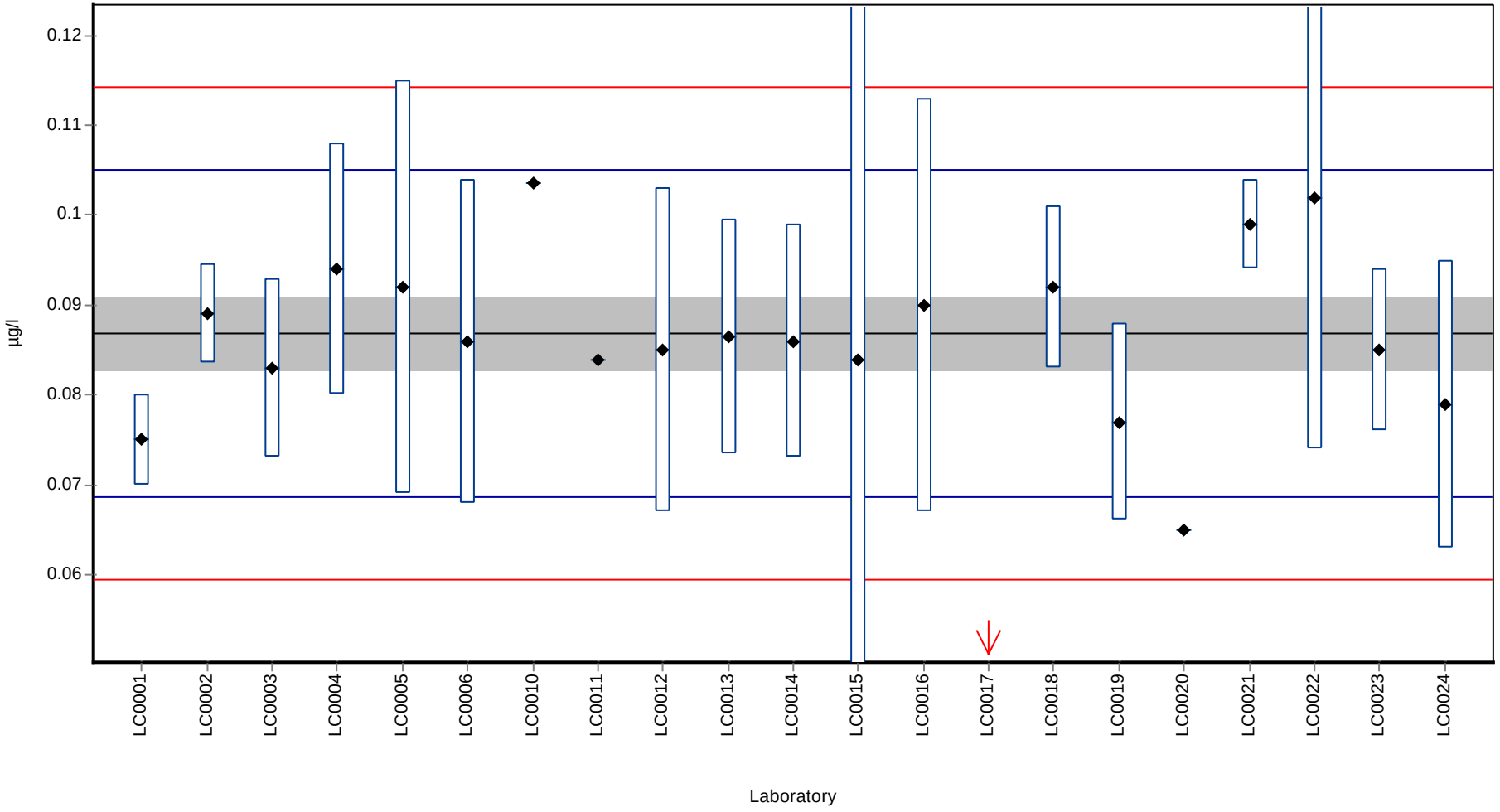
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.075	0.005	86.4	-1.3	
LC0002	0.089	0.0055	102.5	0.2	
LC0003	0.083	0.010	95.6	-0.4	
LC0004	0.094	0.014	108.2	0.8	
LC0005	0.092	0.023	105.9	0.6	
LC0006	0.086	0.018	99.0	-0.1	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	-	-	-	-	
LC0010	0.1035	-	119.2	1.8	
LC0011	0.084	-	96.7	-0.3	
LC0012	0.085	0.018	97.9	-0.2	
LC0013	0.0865	0.013	99.6	0.0	
LC0014	0.086	0.013	99.0	-0.1	
LC0015	0.084	50.000	96.7	-0.3	
LC0016	0.090	0.023	103.6	0.3	
LC0017	0.026	0.013	29.9	-6.7	H
LC0018	0.092	0.009	105.9	0.6	
LC0019	0.077	0.011	88.7	-1.1	
LC0020	0.065	-	74.8	-2.4	
LC0021	0.099	0.005	114.0	1.3	
LC0022	0.102	0.028	117.4	1.7	
LC0023	0.085	0.009	97.9	-0.2	
LC0024	0.079	0.016	91.0	-0.9	

Characteristics of parameter

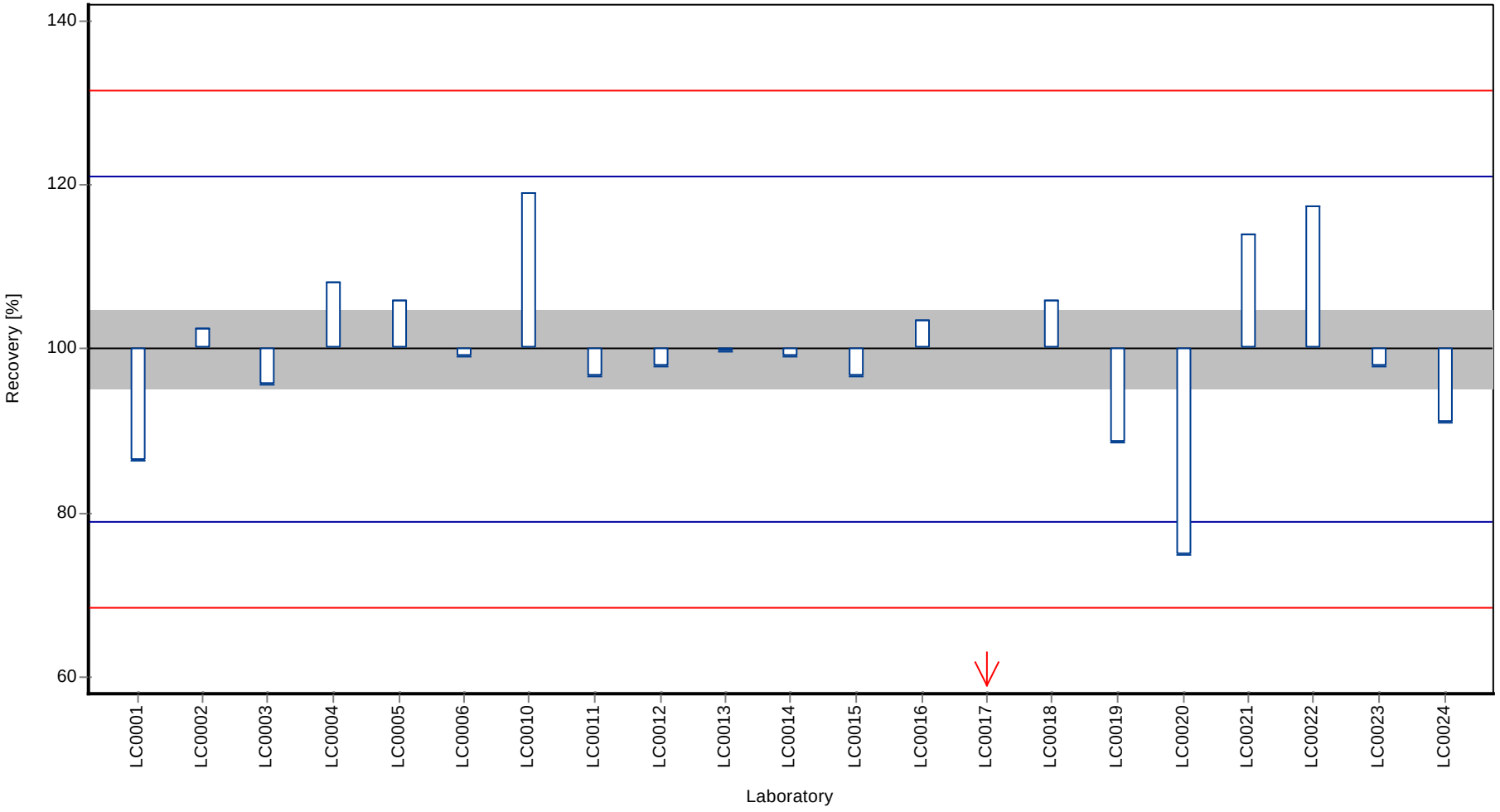
	all results	without outliners	Unit
Mean ± Cl (99%)	0.084 ± 0.0105	0.0869 ± 0.00613	µg/l
Minimum	0.026	0.065	µg/l
Maximum	0.103	0.103	µg/l
Standard deviation	0.016	0.00915	µg/l
rel. Standard deviation	19	10.5	%
n	21	20	-

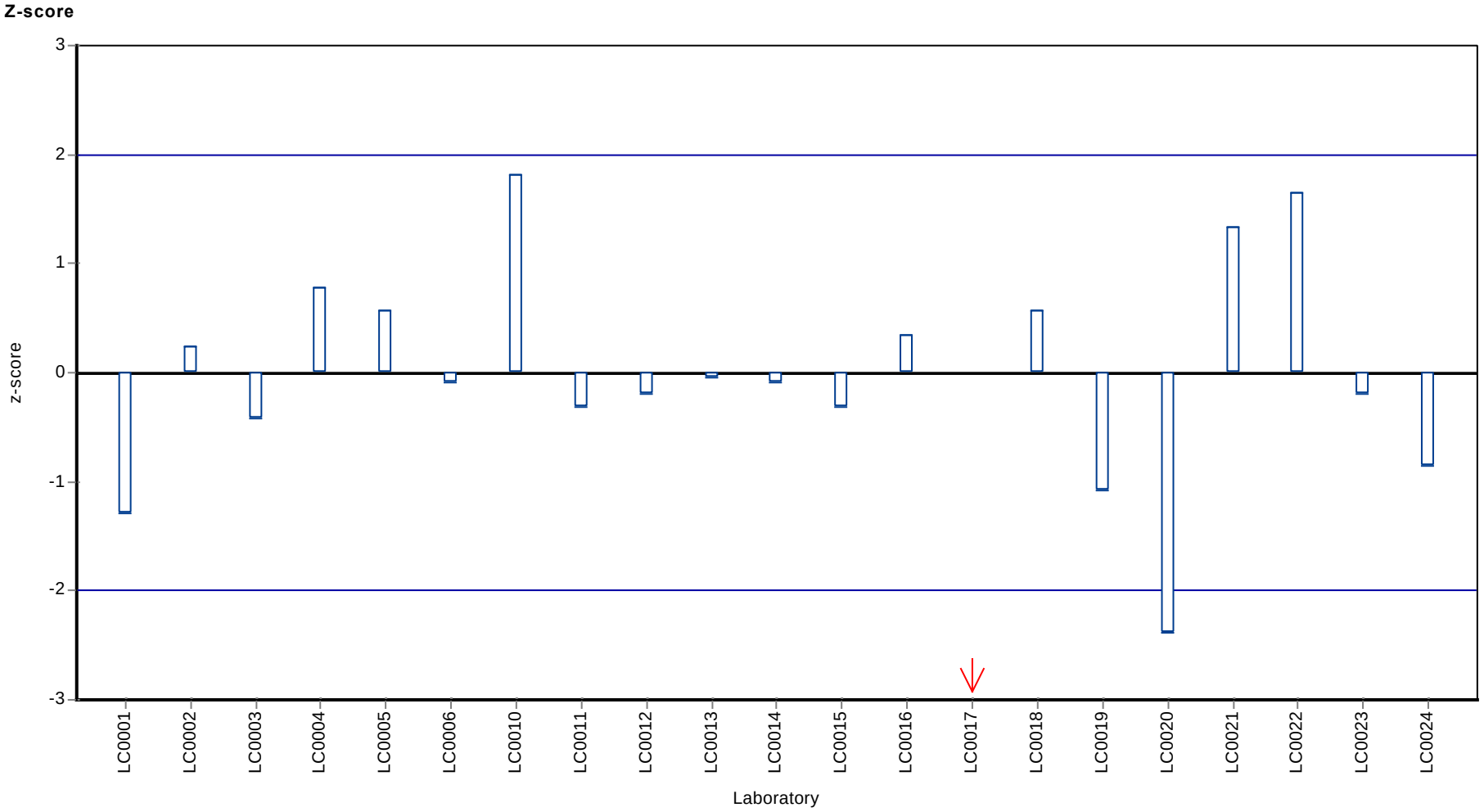
Graphical presentation of results

Results



Recovery rate




Z-score
3
2
1
0
-1
-2
-3
z-score
LC0001
LC0002
LC0003
LC0004
LC0005
LC0006
LC0010
LC0011
LC0012
LC0013
LC0014
LC0015
LC0016
LC0017
LC0018
LC0019
LC0020
LC0021
LC0022
LC0023
LC0024
Laboratory

Parameter oriented report

H91 B

Propazine

Unit	µg/l
Mean ± CI (99%)	-
Minimum - Maximum	0.008 - 0.0111
Check value ± U	< 0.025 (LOD)

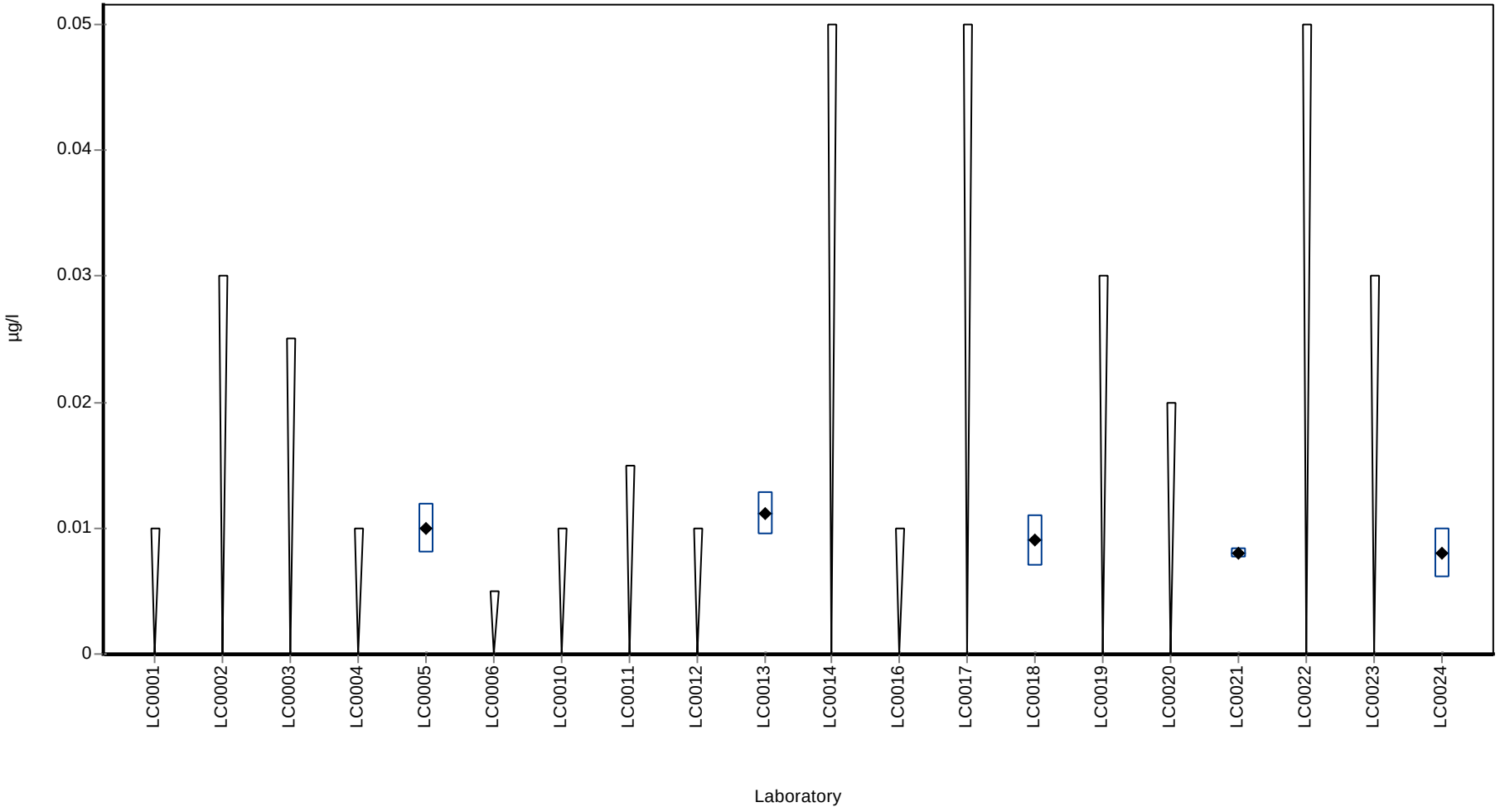
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	< 0.01 (LOQ)	-	-	-	
LC0002	< 0.03 (LOQ)	-	-	-	
LC0003	< 0.025 (LOQ)	-	-	-	
LC0004	< 0.01 (LOQ)	-	-	-	
LC0005	0.010	0.002	-	-	
LC0006	<0.005 (LOD)	-	-	-	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	-	-	-	-	
LC0010	< 0.01 (LOQ)	-	-	-	
LC0011	< 0.015 (LOQ)	-	-	-	
LC0012	< 0.01 (LOQ)	-	-	-	
LC0013	0.0111	0.0017	-	-	
LC0014	< 0.05 (LOQ)	-	-	-	
LC0015	-	-	-	-	
LC0016	< 0.01 (LOQ)	-	-	-	
LC0017	< 0.05 (LOQ)	-	-	-	
LC0018	0.009	0.002	-	-	
LC0019	< 0.03 (LOQ)	-	-	-	
LC0020	<0.02 (LOD)	-	-	-	
LC0021	0.008	0.0004	-	-	
LC0022	< 0.05 (LOQ)	-	-	-	
LC0023	< 0.03 (LOQ)	-	-	-	
LC0024	0.008	0.002	-	-	

Characteristics of parameter

	all results	without outliners	Unit
Mean ± CI (99%)	0.00922 ± 0.0018	-	µg/l
Minimum	0.008	0.008	µg/l
Maximum	0.0111	0.0111	µg/l
Standard deviation	0.00134	-	µg/l
rel. Standard deviation	14.5	-	%
n	5	5	-

Graphical presentation of results

Results



Parameter oriented report

H91 A

Sebuthylazine

Unit	µg/l
Mean ± Cl (99%)	0.0836 ± 0.00641
Minimum - Maximum	0.072 - 0.095
Check value ± U	0.094 ± 0.007

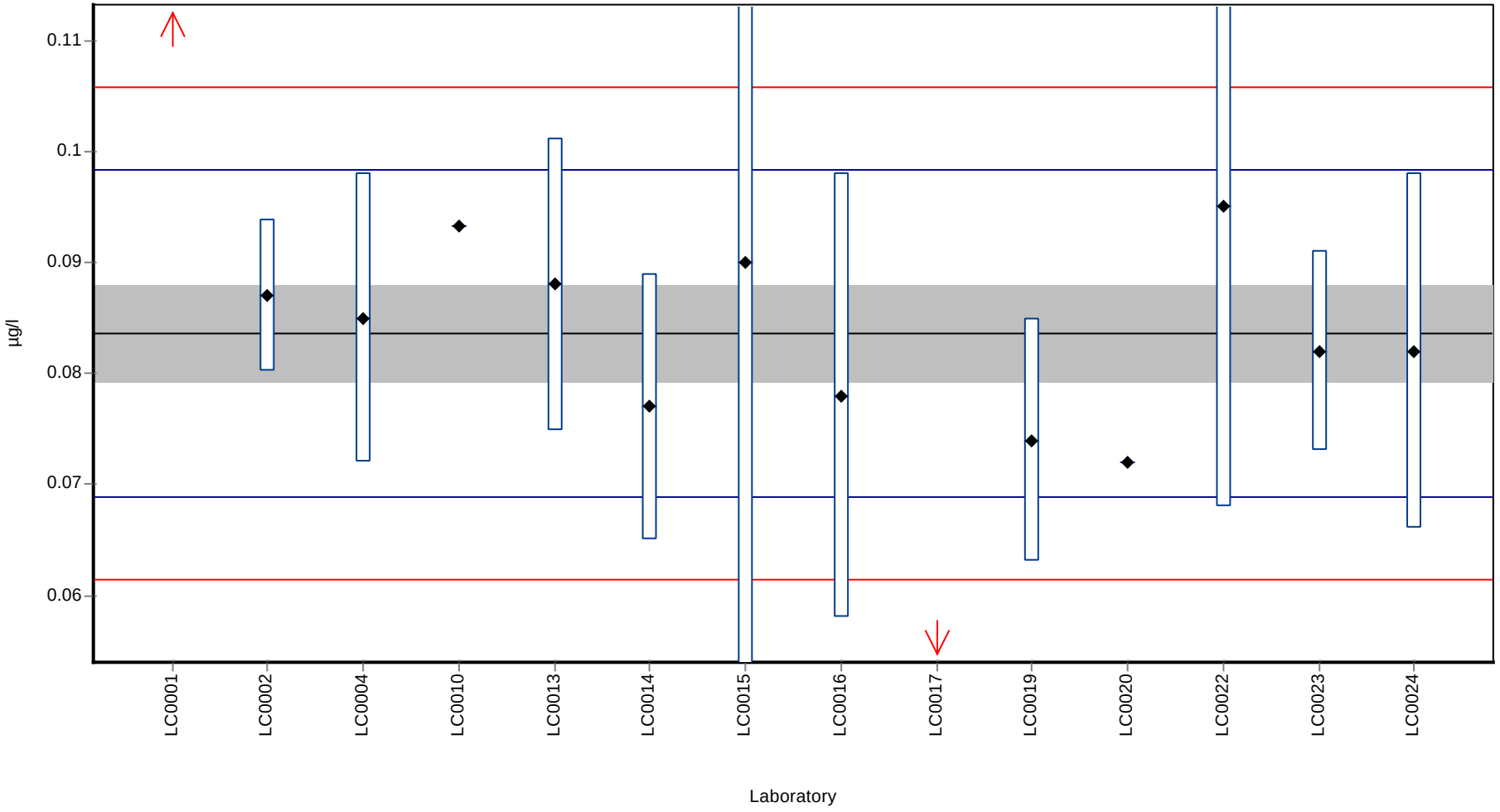
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.160	0.010	191.4	10.3	H
LC0002	0.087	0.0068	104.1	0.5	
LC0003	-	-	-	-	
LC0004	0.085	0.013	101.7	0.2	
LC0005	-	-	-	-	
LC0006	-	-	-	-	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	-	-	-	-	
LC0010	0.0932	-	111.5	1.3	
LC0011	-	-	-	-	
LC0012	-	-	-	-	
LC0013	0.088	0.0132	105.3	0.6	
LC0014	0.077	0.012	92.1	-0.9	
LC0015	0.090	50.000	107.7	0.9	
LC0016	0.078	0.020	93.3	-0.8	
LC0017	0.027	0.013	32.3	-7.6	H
LC0018	-	-	-	-	
LC0019	0.074	0.011	88.5	-1.3	
LC0020	0.072	-	86.1	-1.6	
LC0021	-	-	-	-	
LC0022	0.095	0.027	113.6	1.5	
LC0023	0.082	0.009	98.1	-0.2	
LC0024	0.082	0.016	98.1	-0.2	

Characteristics of parameter

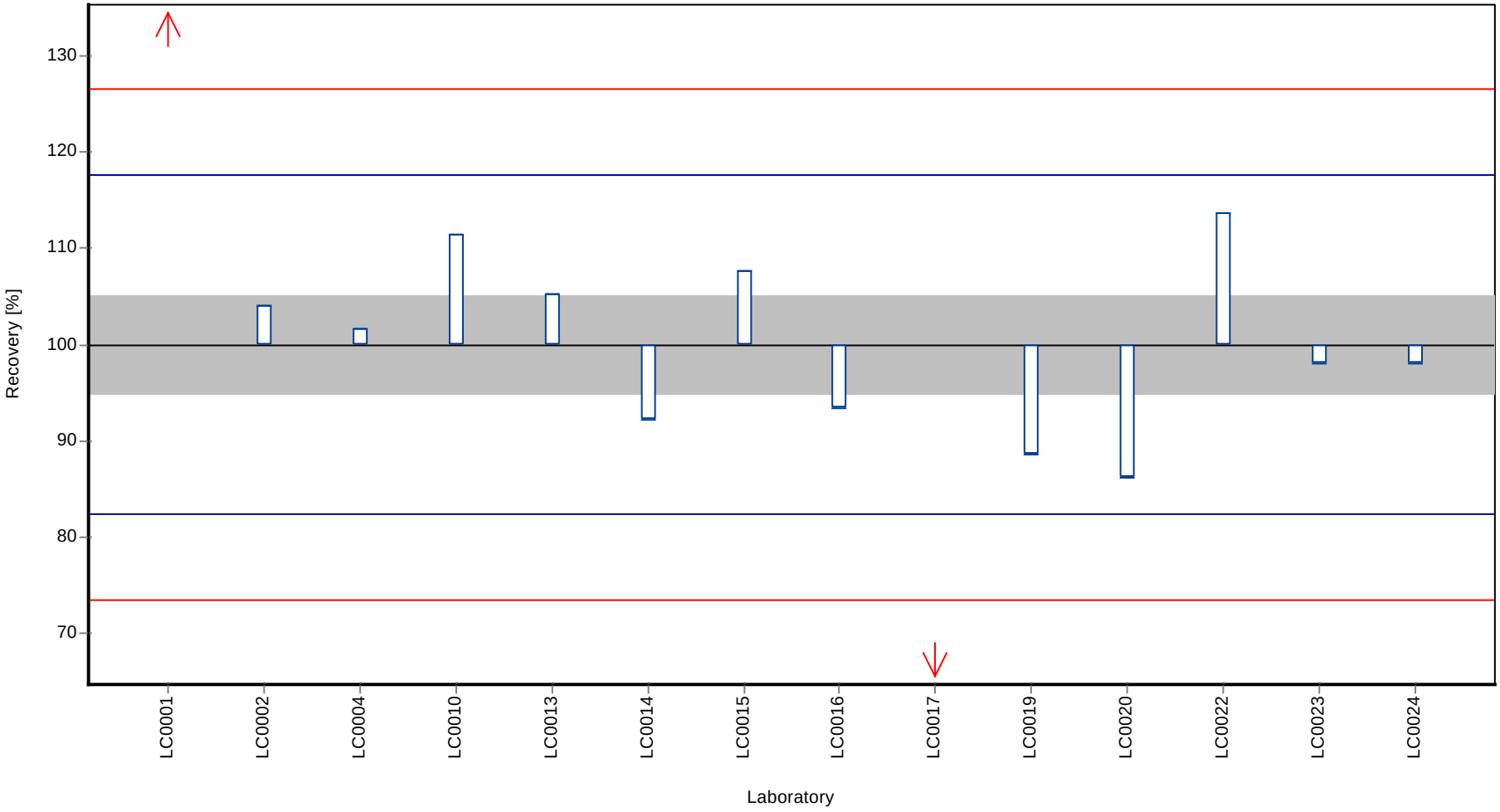
	all results	without outliners	Unit
Mean ± Cl (99%)	0.085 ± 0.0218	0.0836 ± 0.00641	µg/l
Minimum	0.027	0.072	µg/l
Maximum	0.16	0.095	µg/l
Standard deviation	0.0272	0.0074	µg/l
rel. Standard deviation	32	8.85	%
n	14	12	-

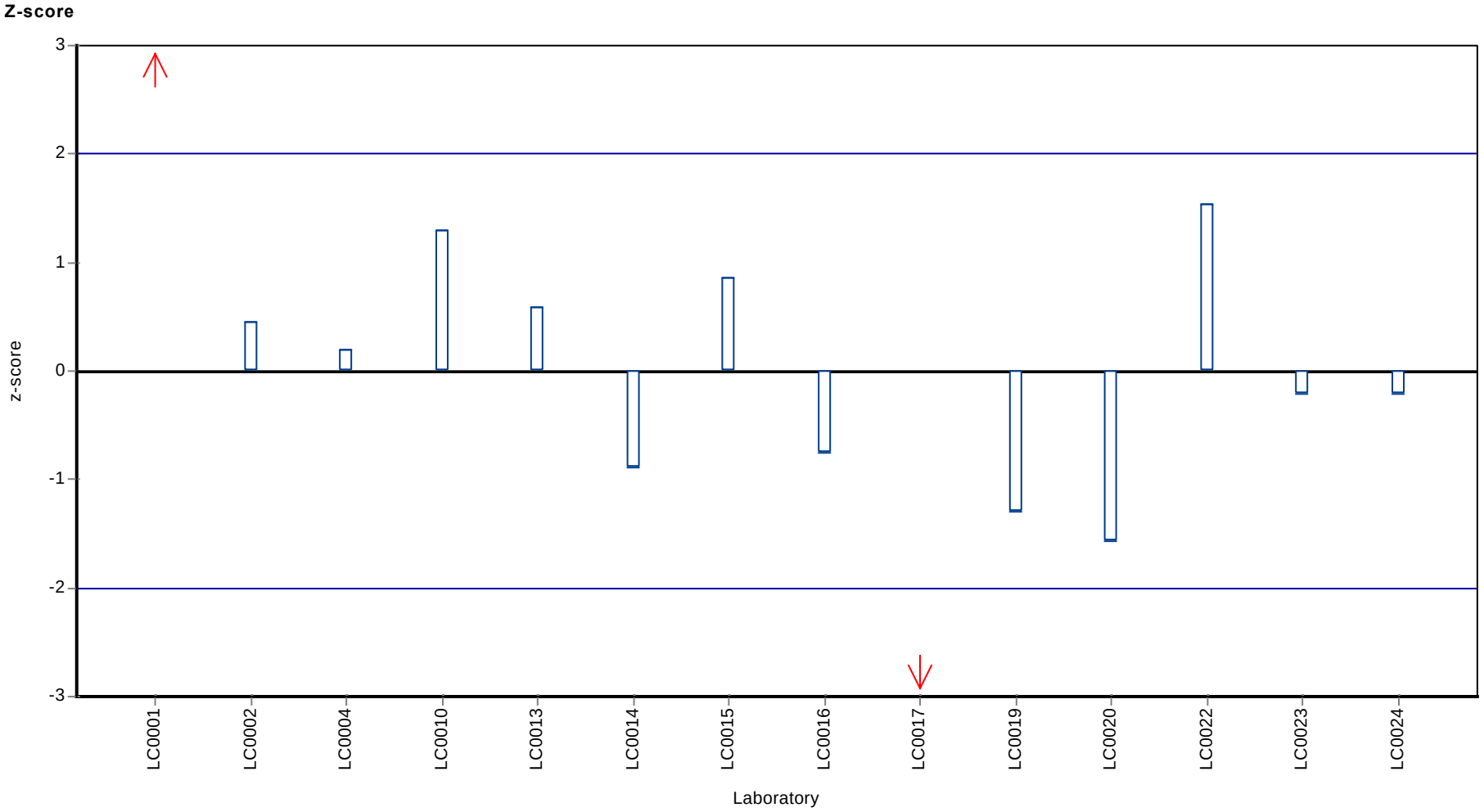
Graphical presentation of results

Results



Recovery rate




Z-score
3
2
1
0
-1
-2
-3
z-score
LC0001
LC0002
LC0004
LC0010
LC0013
LC0014
LC0015
LC0016
LC0017
LC0019
LC0020
LC0022
LC0023
LC0024
Laboratory

Parameter oriented report

H91 B

Sebuthylazine

Unit	µg/l
Mean ± Cl (99%)	-
Minimum - Maximum	-
Check value ± U	< 0.025 (LOD)

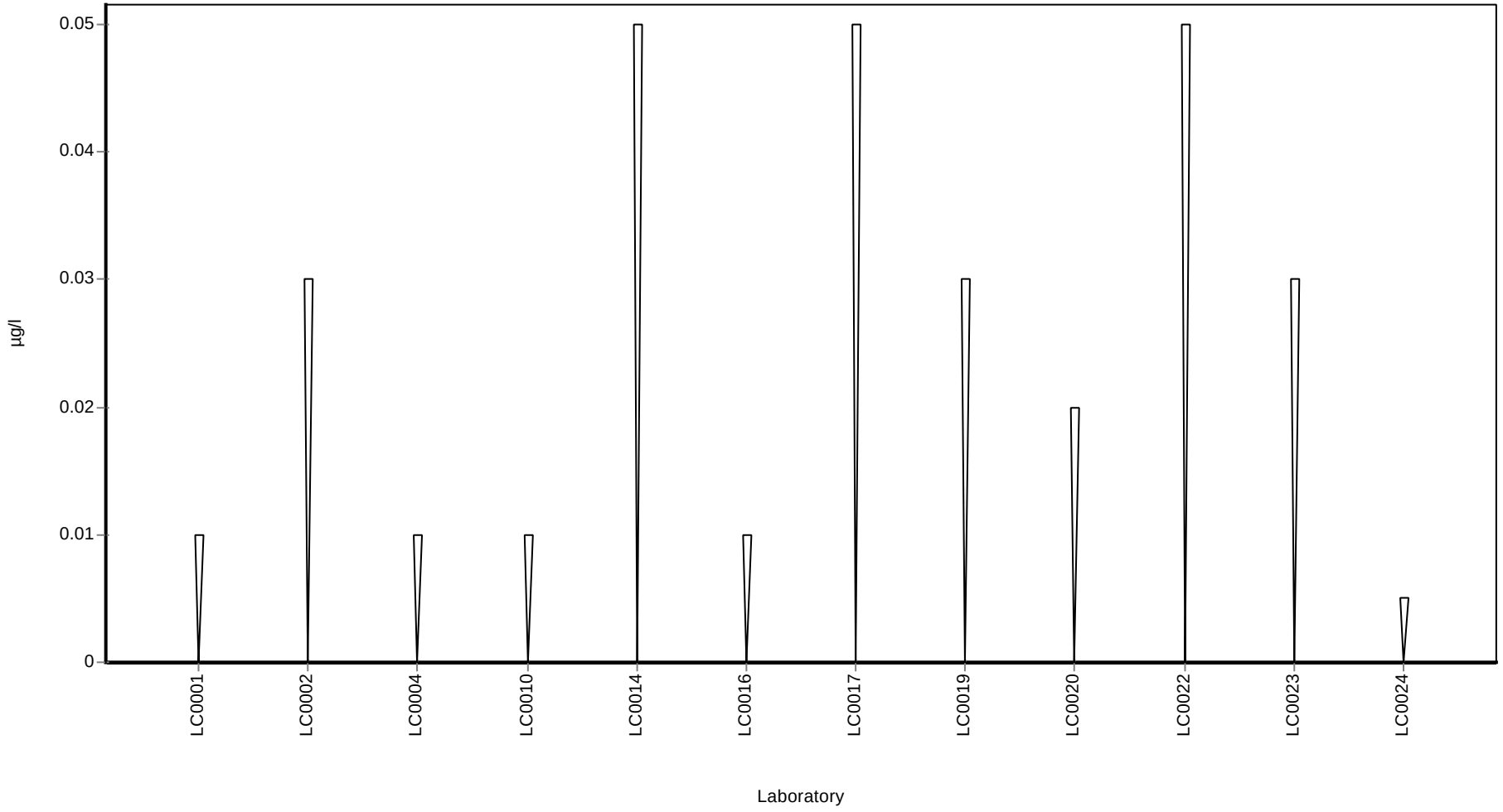
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	< 0.01 (LOQ)	-	-	-	
LC0002	< 0.03 (LOQ)	-	-	-	
LC0003	-	-	-	-	
LC0004	< 0.01 (LOQ)	-	-	-	
LC0005	-	-	-	-	
LC0006	-	-	-	-	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	-	-	-	-	
LC0010	< 0.01 (LOQ)	-	-	-	
LC0011	-	-	-	-	
LC0012	-	-	-	-	
LC0013	-	-	-	-	
LC0014	< 0.05 (LOQ)	-	-	-	
LC0015	-	-	-	-	
LC0016	< 0.01 (LOQ)	-	-	-	
LC0017	< 0.05 (LOQ)	-	-	-	
LC0018	-	-	-	-	
LC0019	< 0.03 (LOQ)	-	-	-	
LC0020	<0.02 (LOD)	-	-	-	
LC0021	-	-	-	-	
LC0022	< 0.05 (LOQ)	-	-	-	
LC0023	< 0.03 (LOQ)	-	-	-	
LC0024	< 0.005 (LOQ)	-	-	-	

Characteristics of parameter

	all results	without outliners	Unit
Mean ± Cl (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

H91 A

Simazine

Unit	µg/l
Mean ± Cl (99%)	-
Minimum - Maximum	-
Check value ± U	< 0.025 (LOD)

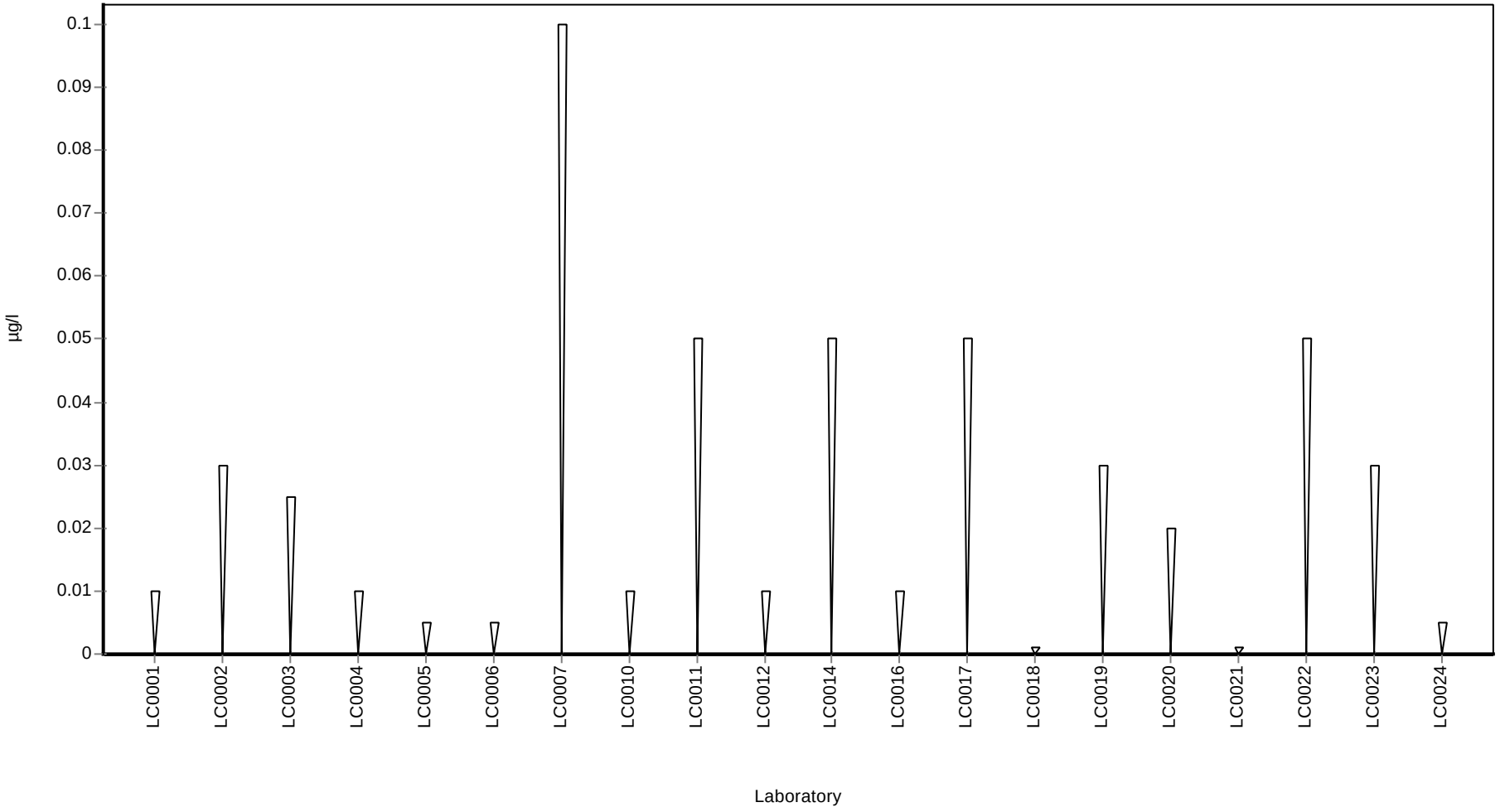
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	< 0.01 (LOQ)	-	-	-	
LC0002	< 0.03 (LOQ)	-	-	-	
LC0003	< 0.025 (LOQ)	-	-	-	
LC0004	< 0.01 (LOQ)	-	-	-	
LC0005	< 0.005 (LOQ)	-	-	-	
LC0006	<0.005 (LOD)	-	-	-	
LC0007	< 0.1 (LOQ)	-	-	-	
LC0008	-	-	-	-	
LC0009	-	-	-	-	
LC0010	< 0.01 (LOQ)	-	-	-	
LC0011	< 0.05 (LOQ)	-	-	-	
LC0012	< 0.01 (LOQ)	-	-	-	
LC0013	-	-	-	-	
LC0014	< 0.05 (LOQ)	-	-	-	
LC0015	-	-	-	-	
LC0016	< 0.01 (LOQ)	-	-	-	
LC0017	< 0.05 (LOQ)	-	-	-	
LC0018	<0.001 (LOD)	-	-	-	
LC0019	< 0.03 (LOQ)	-	-	-	
LC0020	<0.02 (LOD)	-	-	-	
LC0021	< 0.001 (LOQ)	-	-	-	
LC0022	< 0.05 (LOQ)	-	-	-	
LC0023	< 0.03 (LOQ)	-	-	-	
LC0024	< 0.005 (LOQ)	-	-	-	

Characteristics of parameter

	all results	without outliners	Unit
Mean ± Cl (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

H91 B

Simazine

Unit	µg/l
Mean ± Cl (99%)	0.236 ± 0.0151
Minimum - Maximum	0.187 - 0.2639
Check value ± U	0.26 ± 0.022

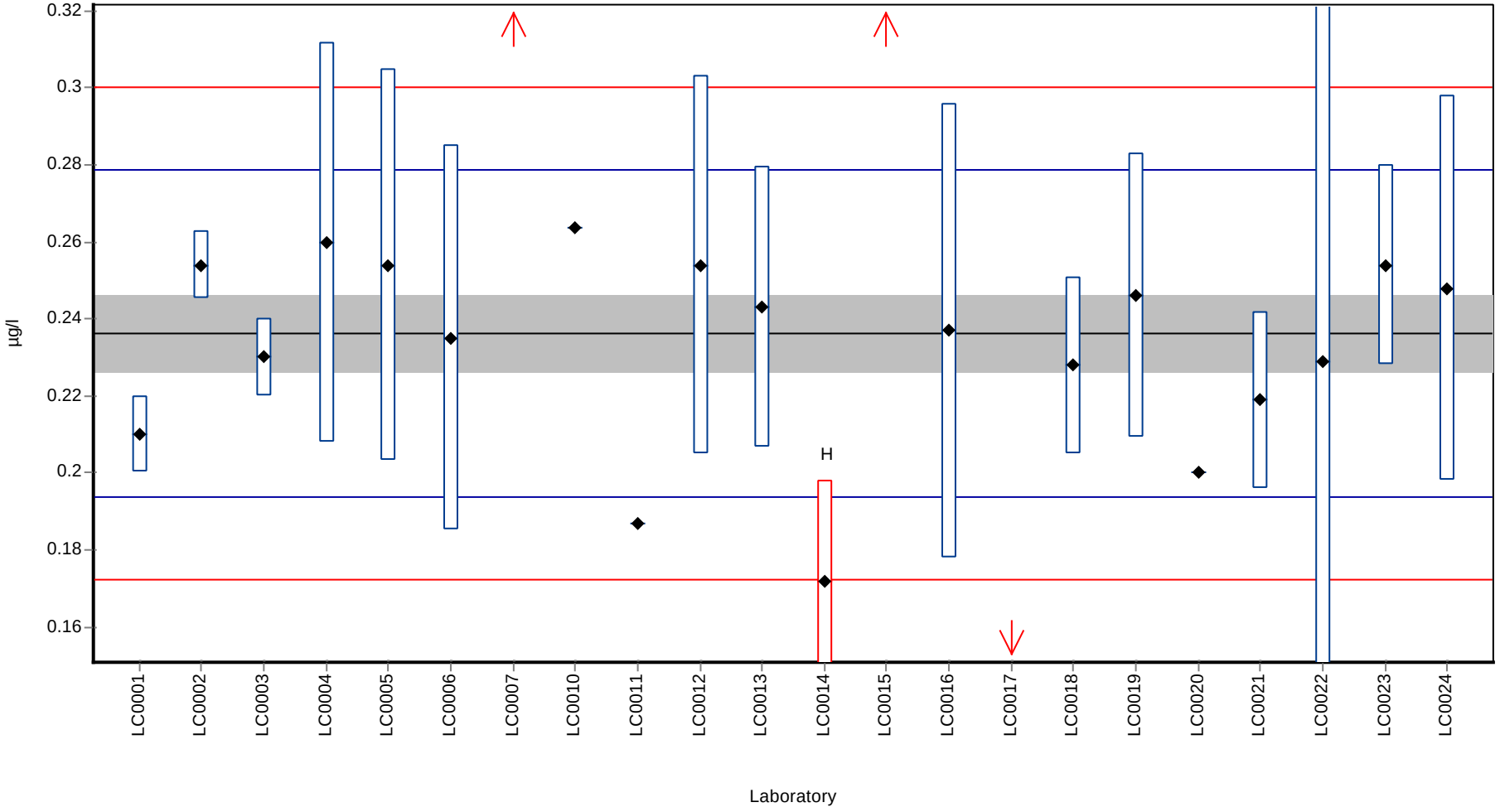
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.210	0.010	88.9	-1.2	
LC0002	0.254	0.0088	107.5	0.8	
LC0003	0.230	0.010	97.4	-0.3	
LC0004	0.260	0.052	110.1	1.1	
LC0005	0.254	0.051	107.5	0.8	
LC0006	0.235	0.050	99.5	-0.1	
LC0007	0.910	0.240	385.2	31.5	H
LC0008	-	-	-	-	
LC0009	-	-	-	-	
LC0010	0.2639	-	111.7	1.3	
LC0011	0.187	-	79.2	-2.3	
LC0012	0.254	0.049	107.5	0.8	
LC0013	0.2431	0.0365	102.9	0.3	
LC0014	0.172	0.026	72.8	-3.0	H
LC0015	0.328	50.000	138.9	4.3	H
LC0016	0.237	0.059	100.3	0.0	
LC0017	0.078	0.016	33.0	-7.4	H
LC0018	0.228	0.023	96.5	-0.4	
LC0019	0.246	0.037	104.1	0.5	
LC0020	0.200	-	84.7	-1.7	
LC0021	0.219	0.023	92.7	-0.8	
LC0022	0.229	0.097	96.9	-0.3	
LC0023	0.254	0.026	107.5	0.8	
LC0024	0.248	0.050	105.0	0.6	

Characteristics of parameter

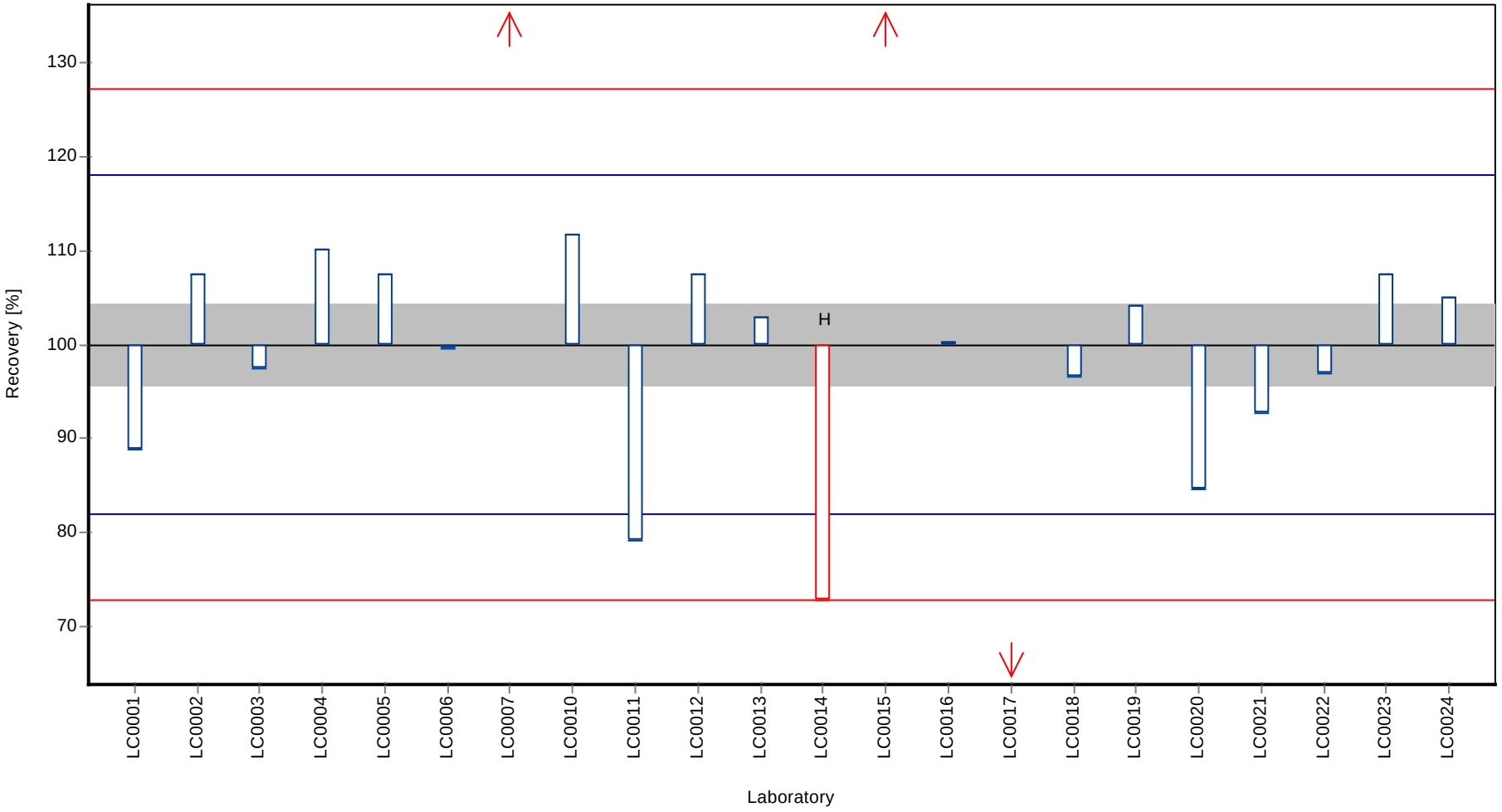
	all results	without outliners	Unit
Mean ± Cl (99%)	0.261 ± 0.0973	0.236 ± 0.0151	µg/l
Minimum	0.078	0.187	µg/l
Maximum	0.91	0.264	µg/l
Standard deviation	0.152	0.0214	µg/l
rel. Standard deviation	58.3	9.04	%
n	22	18	-

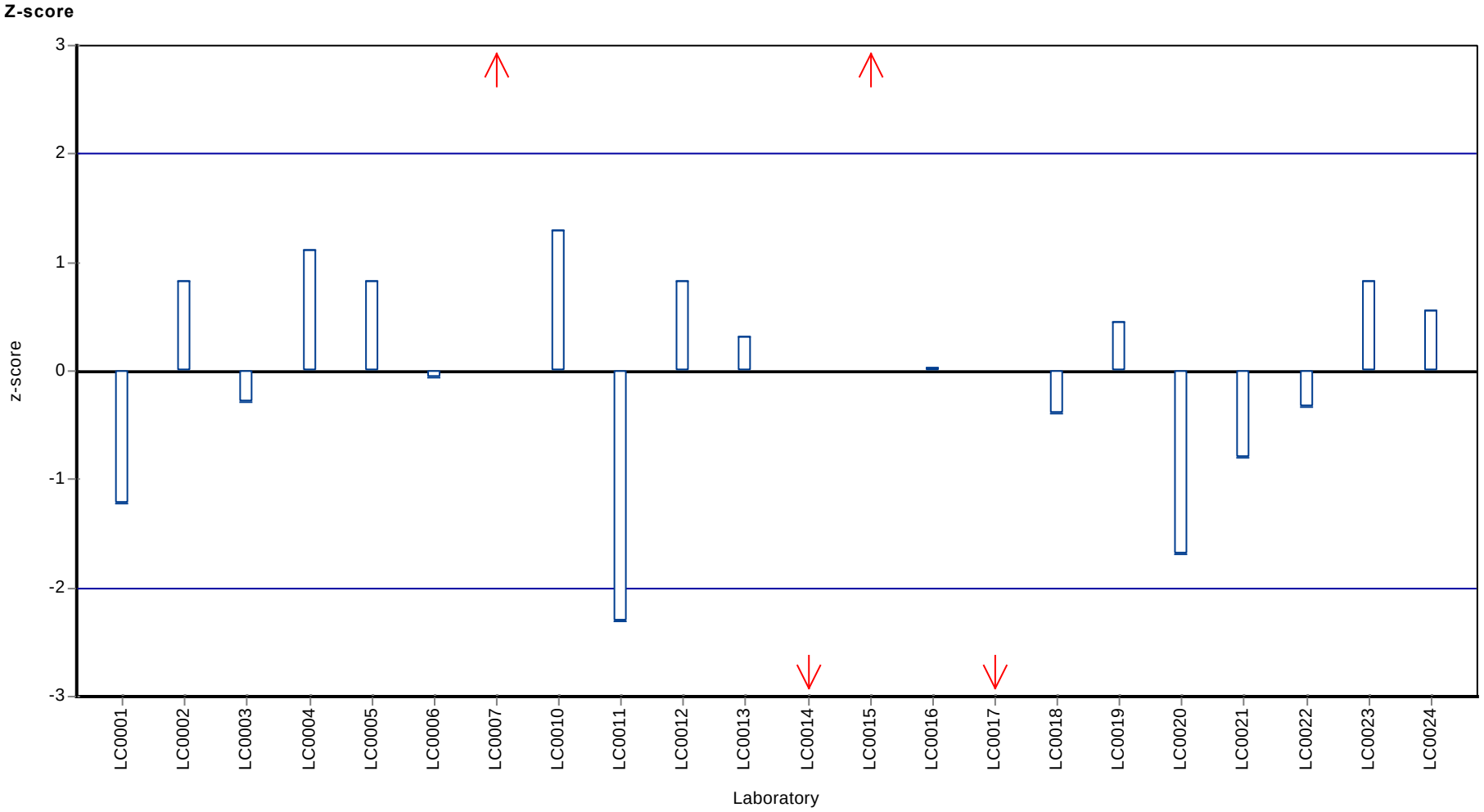
Graphical presentation of results

Results



Recovery rate

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3
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0
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-2
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z-score
LC0001
LC0002
LC0003
LC0004
LC0005
LC0006
LC0007
LC0010
LC0011
LC0012
LC0013
LC0014
LC0015
LC0016
LC0017
LC0018
LC0019
LC0020
LC0021
LC0022
LC0023
LC0024
Laboratory

Parameter oriented report

H91 A

Terbuthylazine

Unit	µg/l
Mean ± Cl (99%)	0.17 ± 0.0101
Minimum - Maximum	0.15 - 0.214
Check value ± U	0.20 ± 0.019

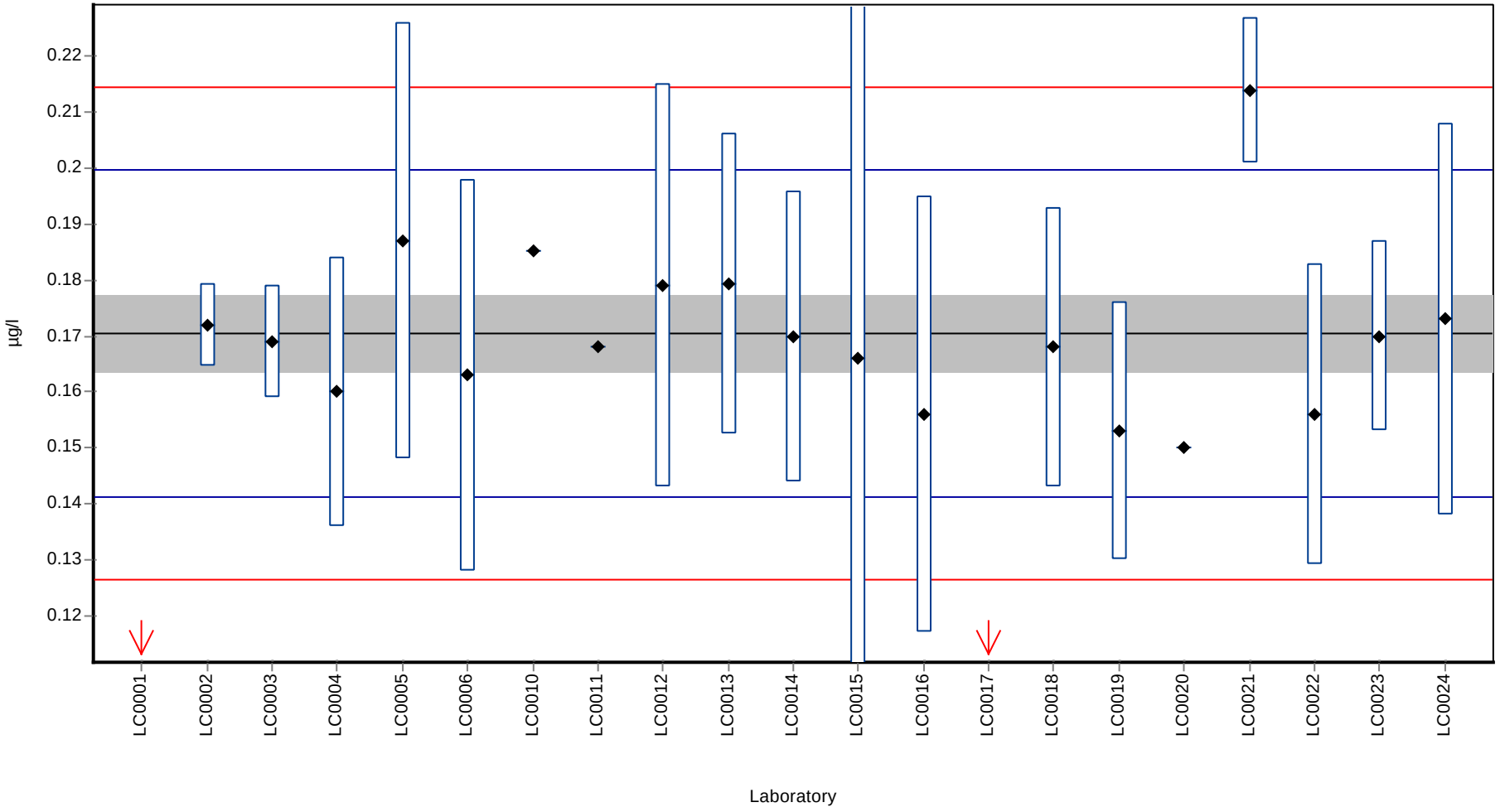
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.078	-	45.8	-6.3	H
LC0002	0.172	0.0074	100.9	0.1	
LC0003	0.169	0.010	99.1	-0.1	
LC0004	0.160	0.024	93.9	-0.7	
LC0005	0.187	0.039	109.7	1.1	
LC0006	0.163	0.035	95.6	-0.5	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	-	-	-	-	
LC0010	0.1853	-	108.7	1.0	
LC0011	0.168	-	98.6	-0.2	
LC0012	0.179	0.036	105.0	0.6	
LC0013	0.1793	0.0269	105.2	0.6	
LC0014	0.170	0.026	99.7	0.0	
LC0015	0.166	50.000	97.4	-0.3	
LC0016	0.156	0.039	91.5	-1.0	
LC0017	0.053	0.011	31.1	-8.0	H
LC0018	0.168	0.025	98.6	-0.2	
LC0019	0.153	0.023	89.8	-1.2	
LC0020	0.150	-	88.0	-1.4	
LC0021	0.214	0.013	125.5	3.0	
LC0022	0.156	0.027	91.5	-1.0	
LC0023	0.170	0.017	99.7	0.0	
LC0024	0.173	0.035	101.5	0.2	

Characteristics of parameter

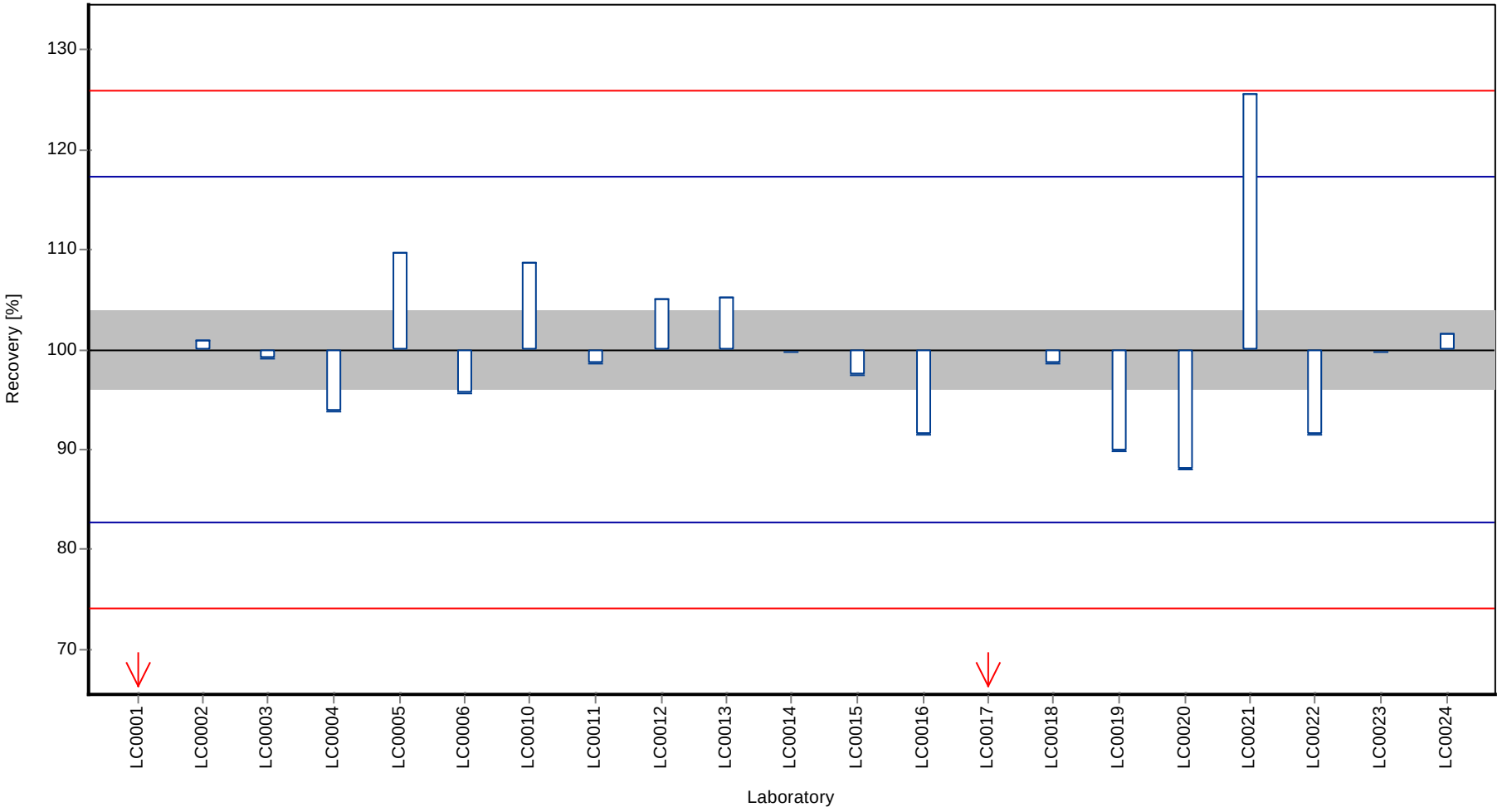
	all results	without outliners	Unit
Mean ± Cl (99%)	0.16 ± 0.0227	0.17 ± 0.0101	µg/l
Minimum	0.053	0.15	µg/l
Maximum	0.214	0.214	µg/l
Standard deviation	0.0347	0.0147	µg/l
rel. Standard deviation	21.6	8.63	%
n	21	19	-

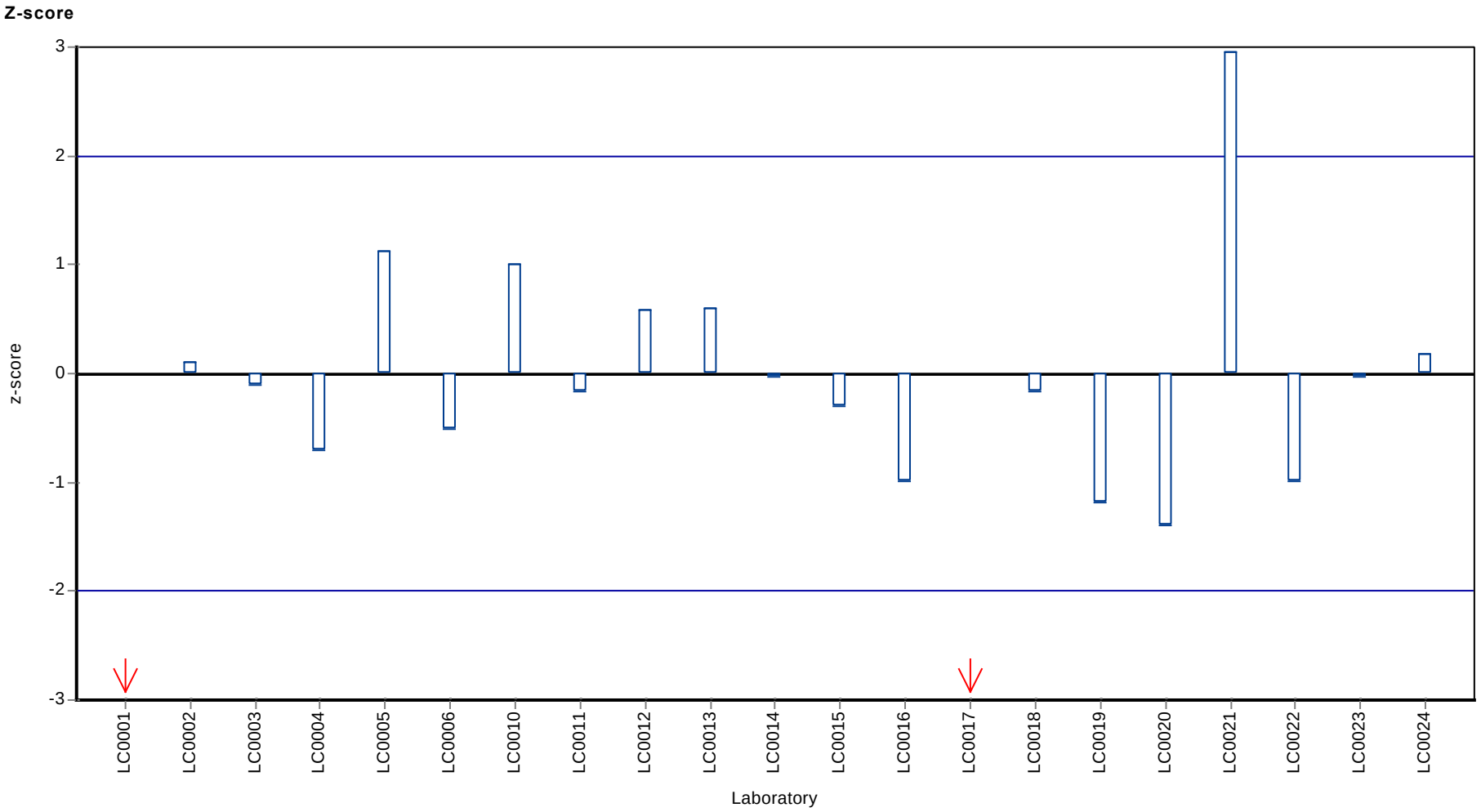
Graphical presentation of results

Results



Recovery rate




Z-score
3
2
1
0
-1
-2
-3
z-score
LC0001
LC0002
LC0003
LC0004
LC0005
LC0006
LC0010
LC0011
LC0012
LC0013
LC0014
LC0015
LC0016
LC0017
LC0018
LC0019
LC0020
LC0021
LC0022
LC0023
LC0024
Laboratory

Parameter oriented report

H91 B

Terbuthylazine

Unit	µg/l
Mean ± CI (99%)	-
Minimum - Maximum	0.004 - 0.005
Check value ± U	< 0.025 (LOD)

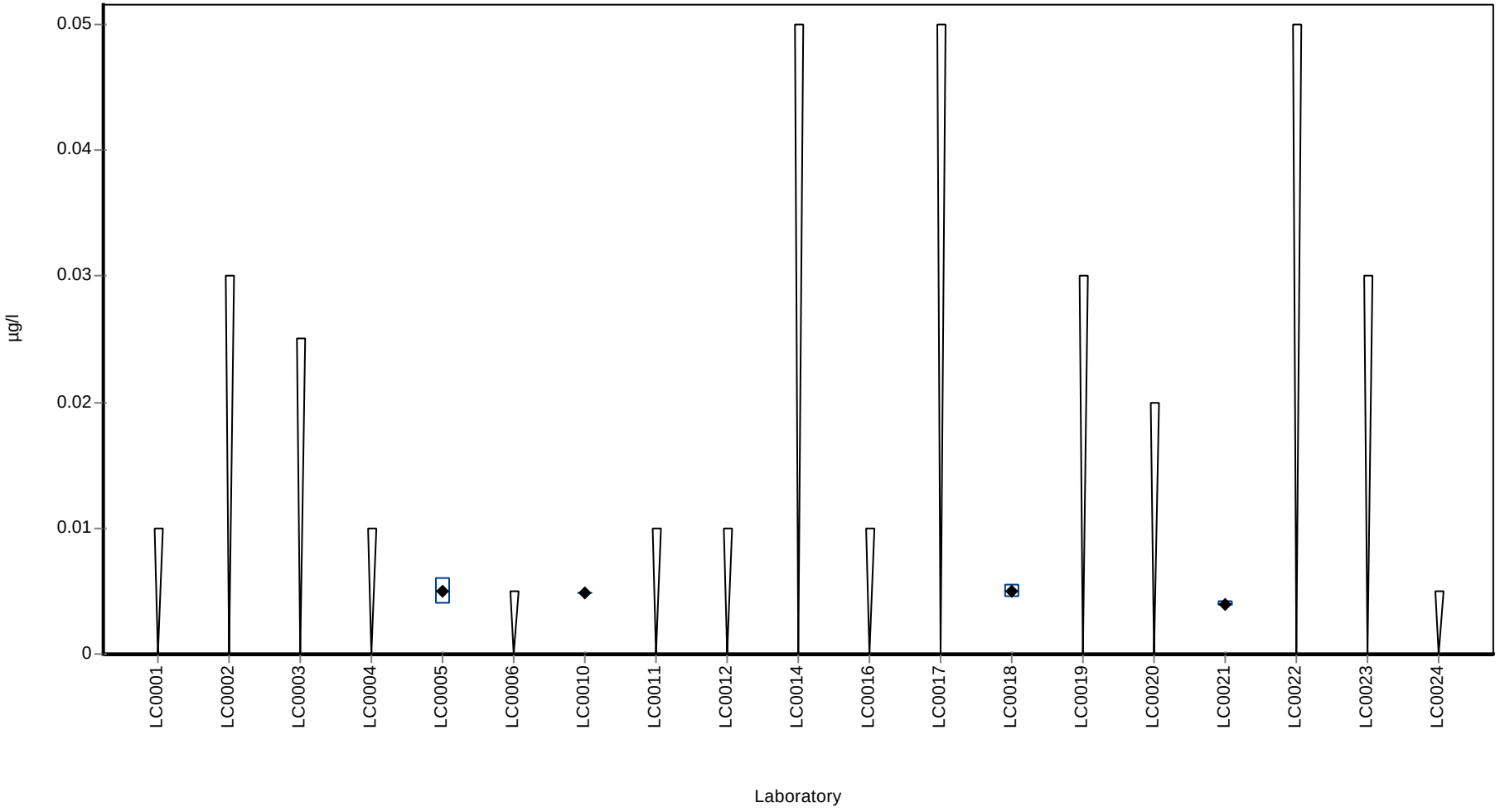
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	< 0.01 (LOQ)	-	-	-	
LC0002	< 0.03 (LOQ)	-	-	-	
LC0003	< 0.025 (LOQ)	-	-	-	
LC0004	< 0.01 (LOQ)	-	-	-	
LC0005	0.005	0.001	-	-	
LC0006	<0.005 (LOD)	-	-	-	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	-	-	-	-	
LC0010	0.0049	-	-	-	
LC0011	< 0.01 (LOQ)	-	-	-	
LC0012	< 0.01 (LOQ)	-	-	-	
LC0013	-	-	-	-	
LC0014	< 0.05 (LOQ)	-	-	-	
LC0015	-	-	-	-	
LC0016	< 0.01 (LOQ)	-	-	-	
LC0017	< 0.05 (LOQ)	-	-	-	
LC0018	0.005	0.0005	-	-	
LC0019	< 0.03 (LOQ)	-	-	-	
LC0020	<0.02 (LOD)	-	-	-	
LC0021	0.004	0.0002	-	-	
LC0022	< 0.05 (LOQ)	-	-	-	
LC0023	< 0.03 (LOQ)	-	-	-	
LC0024	< 0.005 (LOQ)	-	-	-	

Characteristics of parameter

	all results	without outliners	Unit
Mean ± CI (99%)	0.00473 ± 0.000728	-	µg/l
Minimum	0.004	0.004	µg/l
Maximum	0.005	0.005	µg/l
Standard deviation	0.000486	-	µg/l
rel. Standard deviation	10.3	-	%
n	4	4	-

Graphical presentation of results

Results



Parameter oriented report

H91 A

Terbutryn

Unit	µg/l
Mean ± Cl (99%)	0.569 ± 0.0411
Minimum - Maximum	0.473 - 0.661
Check value ± U	0.63 ± 0.02

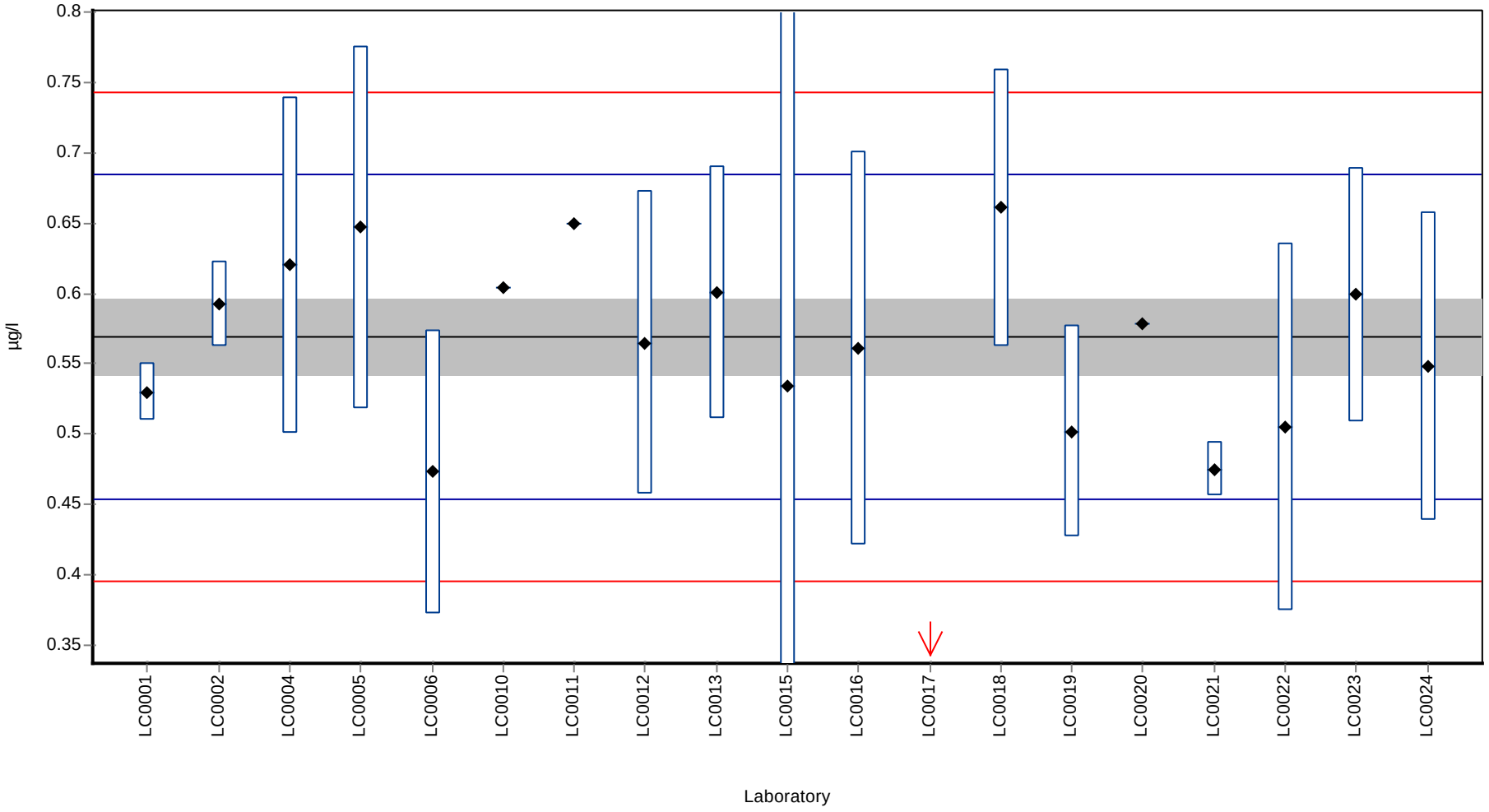
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.530	0.020	93.1	-0.7	
LC0002	0.592	0.0304	104.0	0.4	
LC0003	-	-	-	-	
LC0004	0.620	0.120	108.9	0.9	
LC0005	0.647	0.129	113.7	1.3	
LC0006	0.473	0.101	83.1	-1.7	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	-	-	-	-	
LC0010	0.6038	-	106.1	0.6	
LC0011	0.650	-	114.2	1.4	
LC0012	0.565	0.108	99.3	-0.1	
LC0013	0.6008	0.0901	105.6	0.5	
LC0014	-	-	-	-	
LC0015	0.534	50.000	93.8	-0.6	
LC0016	0.561	0.140	98.6	-0.1	
LC0017	0.175	0.035	30.7	-6.8	H
LC0018	0.661	0.099	116.1	1.6	
LC0019	0.502	0.075	88.2	-1.2	
LC0020	0.578	-	101.6	0.2	
LC0021	0.475	0.019	83.5	-1.6	
LC0022	0.505	0.131	88.7	-1.1	
LC0023	0.599	0.090	105.2	0.5	
LC0024	0.548	0.110	96.3	-0.4	

Characteristics of parameter

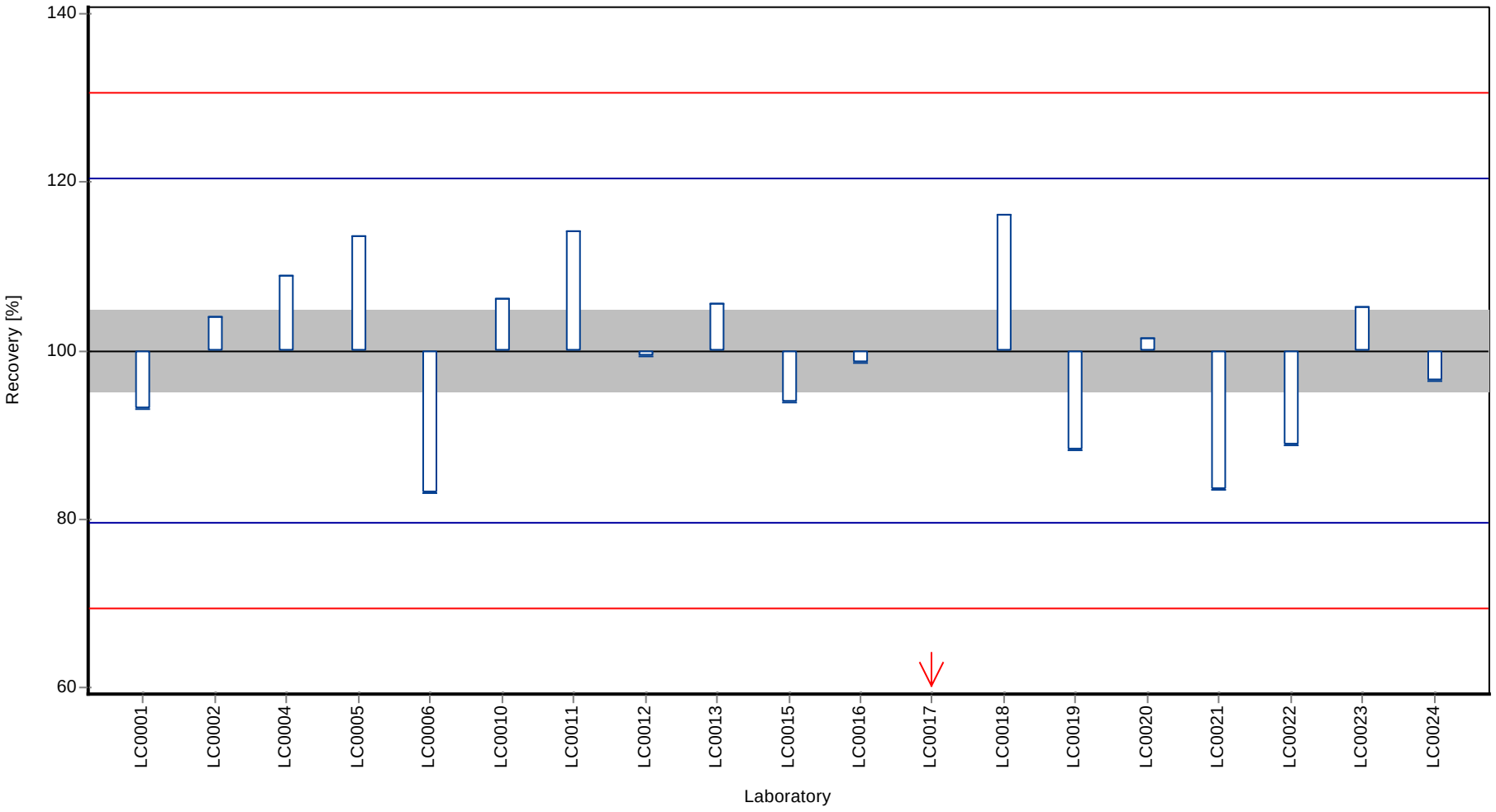
	all results	without outliners	Unit
Mean ± Cl (99%)	0.548 ± 0.0734	0.569 ± 0.0411	µg/l
Minimum	0.175	0.473	µg/l
Maximum	0.661	0.661	µg/l
Standard deviation	0.107	0.0581	µg/l
rel. Standard deviation	19.4	10.2	%
n	19	18	-

Graphical presentation of results

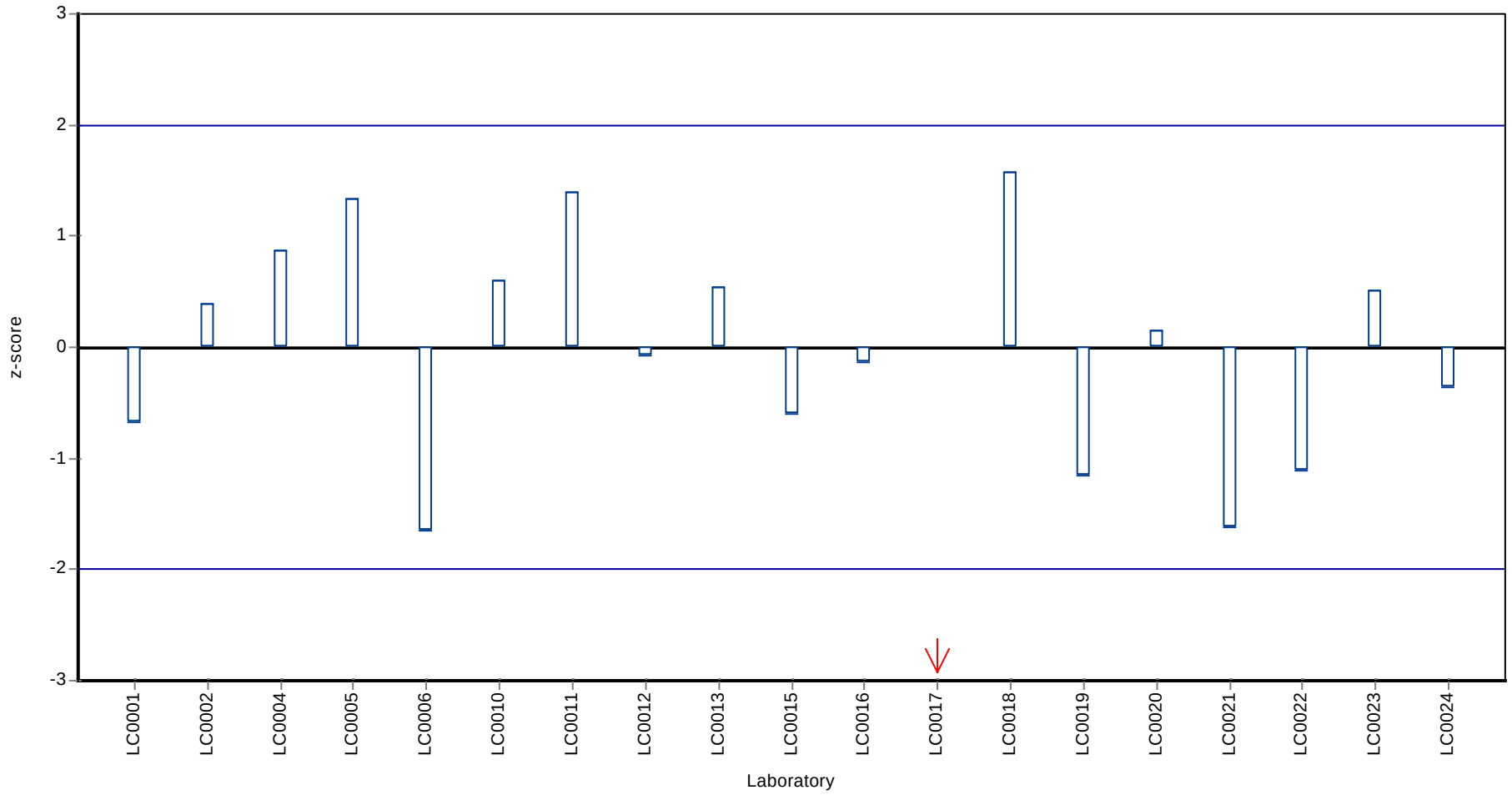
Results



Recovery rate



Z-score


3
2
1
0
-1
-2
-3
z-score
LC0001
LC0002
LC0004
LC0005
LC0006
LC0010
LC0011
LC0012
LC0013
LC0015
LC0016
LC0017
LC0018
LC0019
LC0020
LC0021
LC0022
LC0023
LC0024
Laboratory

Parameter oriented report

H91 B

Terbutryn

Unit	µg/l
Mean ± Cl (99%)	0.411 ± 0.0323
Minimum - Maximum	0.322 - 0.478
Check value ± U	0.32 ± 0.21

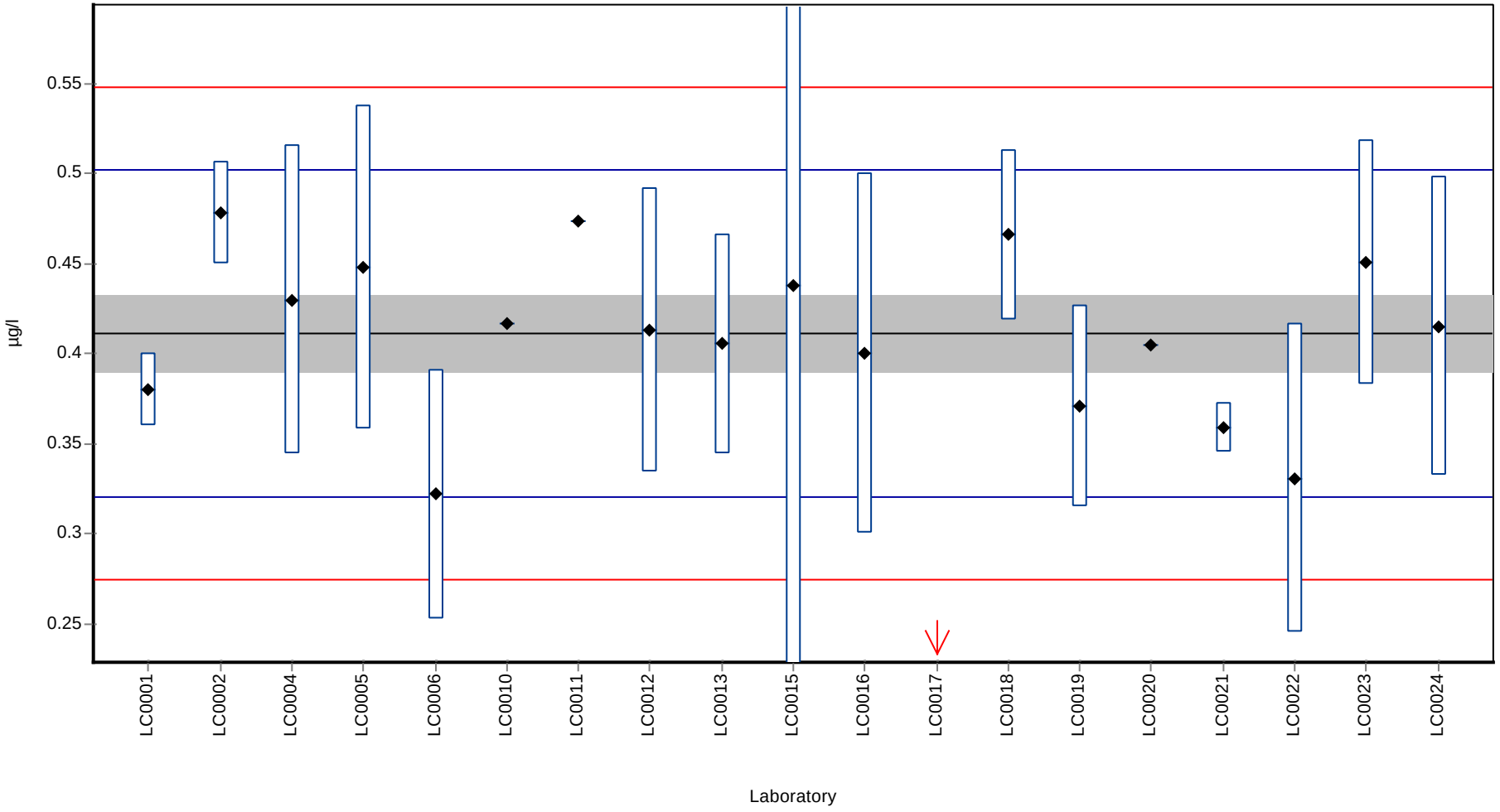
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.380	0.020	92.4	-0.7	
LC0002	0.478	0.0285	116.2	1.5	
LC0003	-	-	-	-	
LC0004	0.430	0.086	104.5	0.4	
LC0005	0.448	0.090	108.9	0.8	
LC0006	0.322	0.069	78.3	-2.0	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	-	-	-	-	
LC0010	0.4168	-	101.3	0.1	
LC0011	0.474	-	115.2	1.4	
LC0012	0.413	0.079	100.4	0.0	
LC0013	0.4055	0.0608	98.6	-0.1	
LC0014	-	-	-	-	
LC0015	0.438	50.000	106.5	0.6	
LC0016	0.400	0.100	97.3	-0.2	
LC0017	0.125	0.025	30.4	-6.3	H
LC0018	0.466	0.047	113.3	1.2	
LC0019	0.371	0.056	90.2	-0.9	
LC0020	0.405	-	98.5	-0.1	
LC0021	0.359	0.014	87.3	-1.1	
LC0022	0.331	0.086	80.5	-1.8	
LC0023	0.451	0.068	109.7	0.9	
LC0024	0.415	0.083	100.9	0.1	

Characteristics of parameter

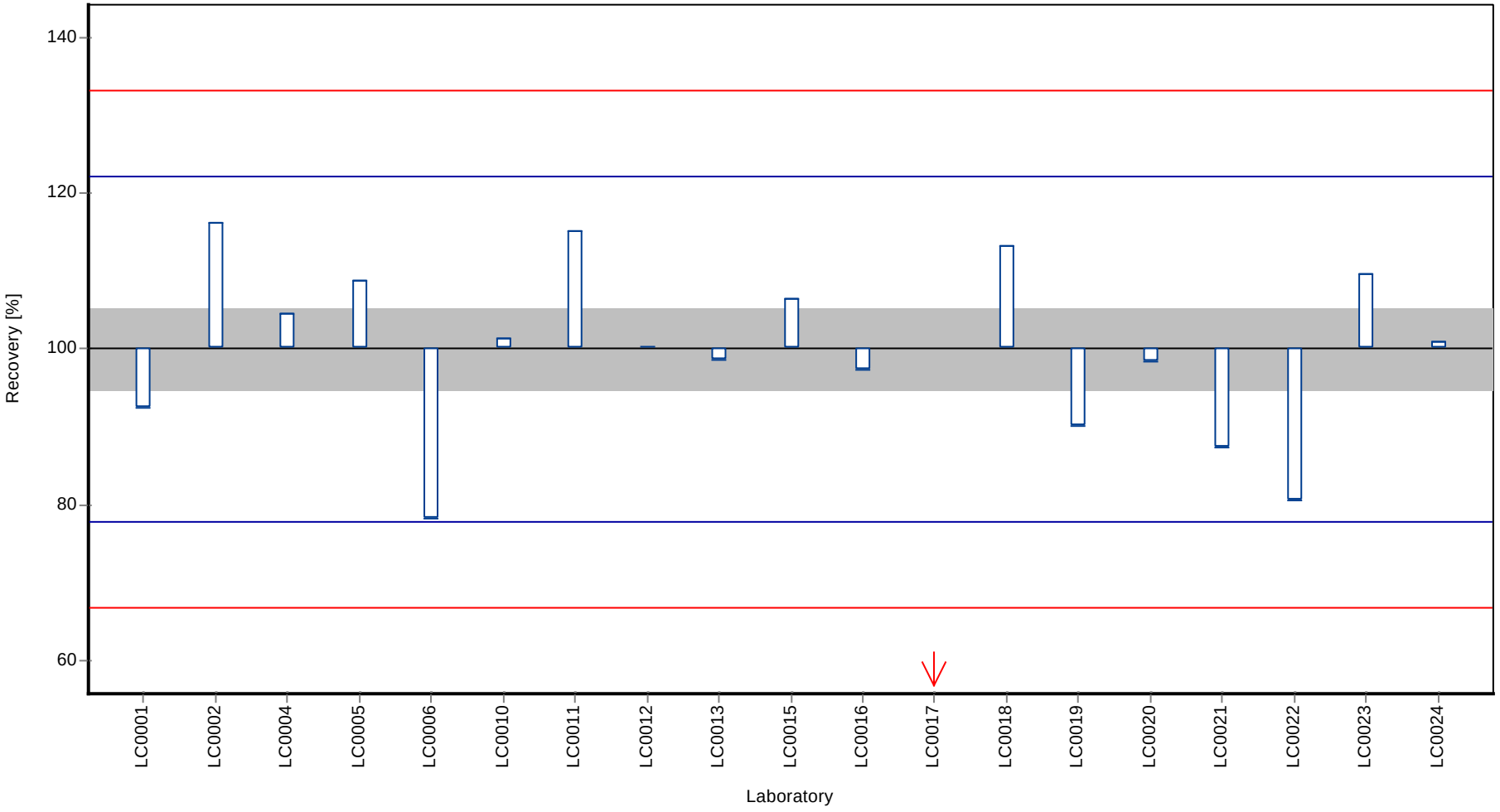
	all results	without outliners	Unit
Mean ± Cl (99%)	0.396 ± 0.0545	0.411 ± 0.0323	µg/l
Minimum	0.125	0.322	µg/l
Maximum	0.478	0.478	µg/l
Standard deviation	0.0792	0.0456	µg/l
rel. Standard deviation	20	11.1	%
n	19	18	-

Graphical presentation of results

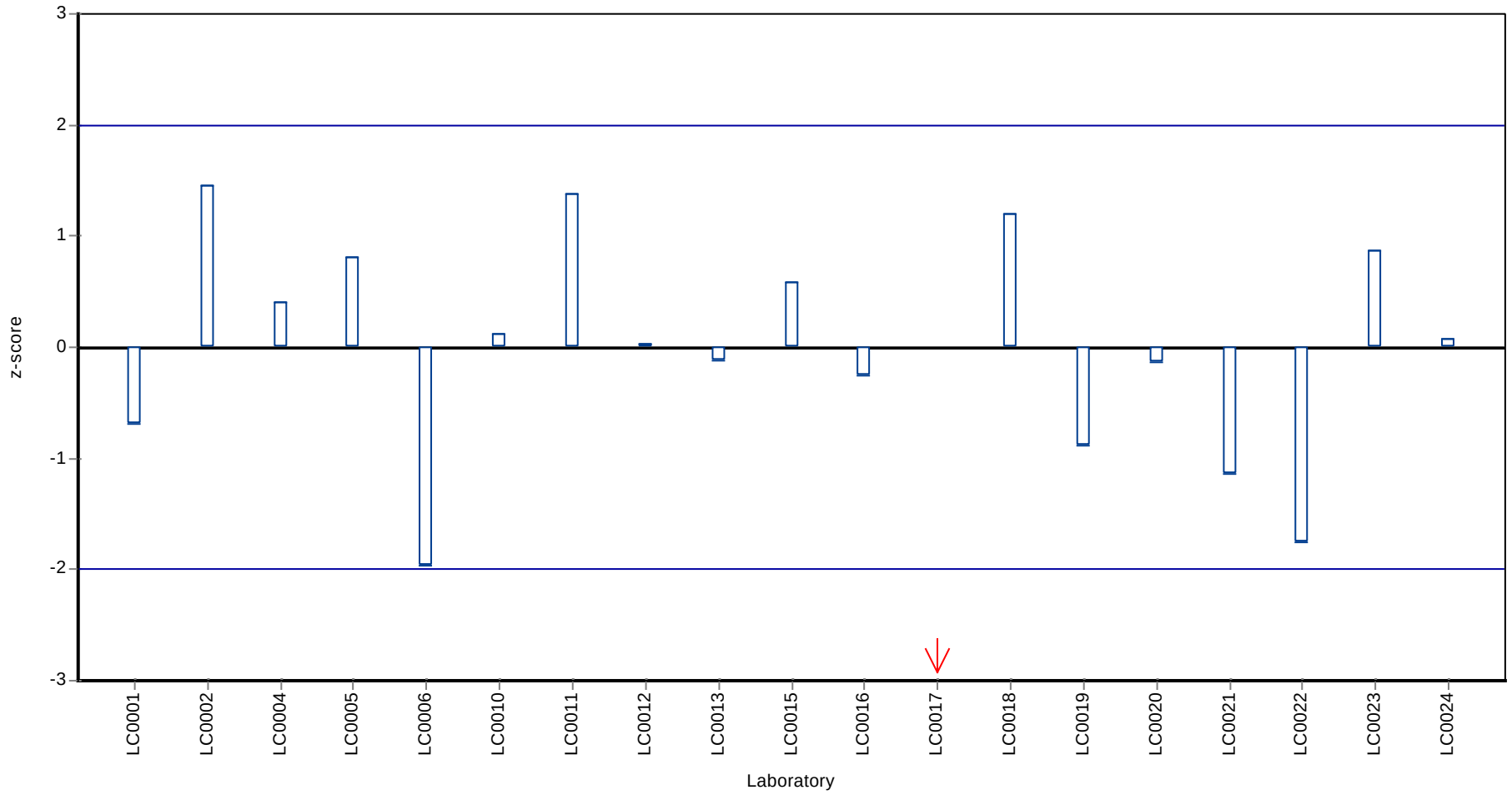
Results



Recovery rate



Z-score


3
2
1
0
-1
-2
-3
z-score
LC0001
LC0002
LC0004
LC0005
LC0006
LC0010
LC0011
LC0012
LC0013
LC0015
LC0016
LC0017
LC0018
LC0019
LC0020
LC0021
LC0022
LC0023
LC0024
Laboratory

Parameter oriented report

H91 A

Chloridazon

Unit	µg/l
Mean ± Cl (99%)	0.231 ± 0.0274
Minimum - Maximum	0.151 - 0.271
Check value ± U	0.23 ± 0.018

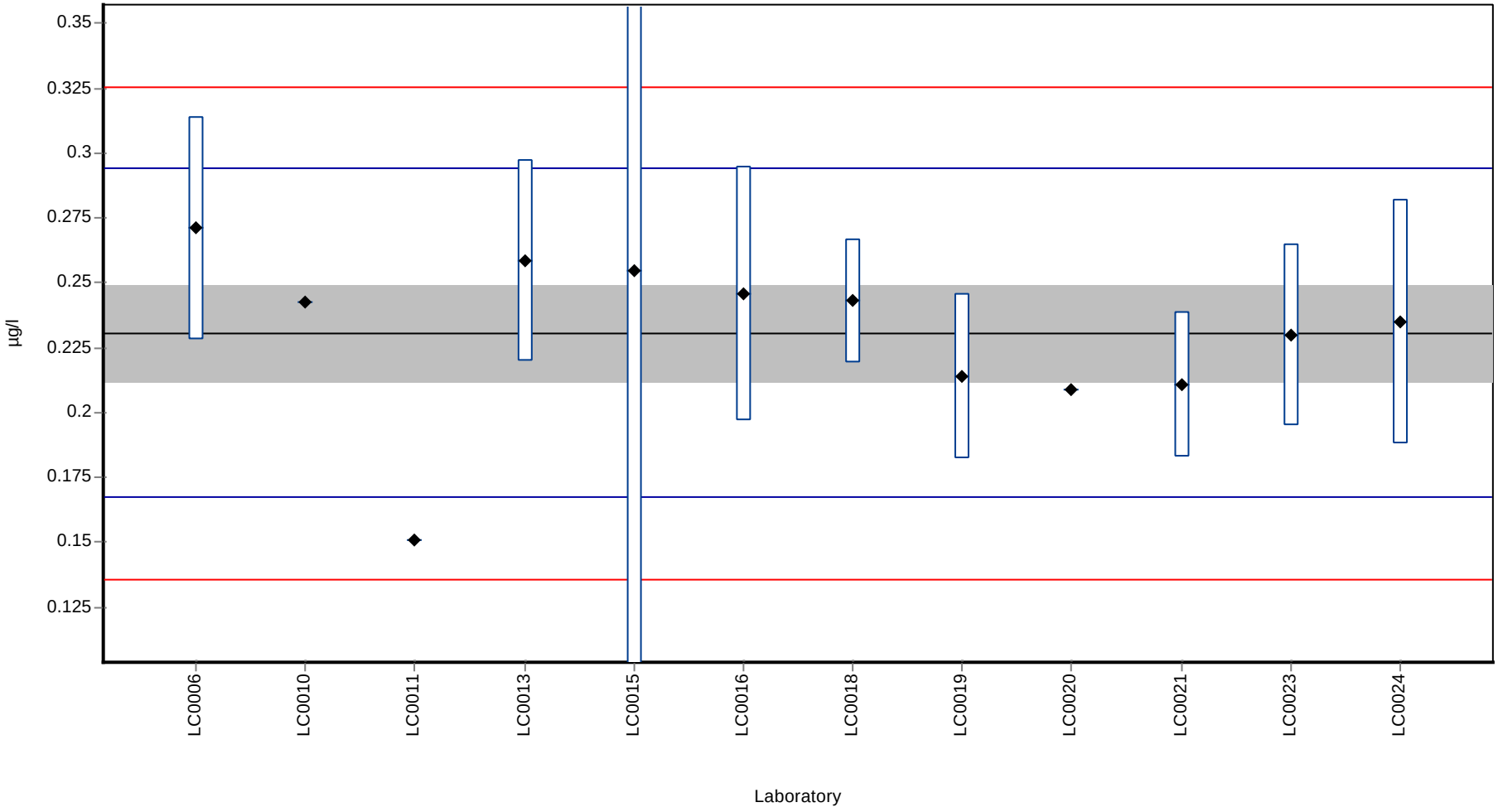
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	-	-	-	-	
LC0006	0.271	0.043	117.6	1.3	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	-	-	-	-	
LC0010	0.2425	-	105.2	0.4	
LC0011	0.151	-	65.5	-2.5	
LC0012	-	-	-	-	
LC0013	0.2588	0.0388	112.3	0.9	
LC0014	-	-	-	-	
LC0015	0.255	50.000	110.6	0.8	
LC0016	0.246	0.049	106.7	0.5	
LC0017	-	-	-	-	
LC0018	0.243	0.024	105.4	0.4	
LC0019	0.214	0.032	92.8	-0.5	
LC0020	0.209	-	90.7	-0.7	
LC0021	0.211	0.028	91.5	-0.6	
LC0022	-	-	-	-	
LC0023	0.230	0.035	99.8	0.0	
LC0024	0.235	0.047	101.9	0.1	

Characteristics of parameter

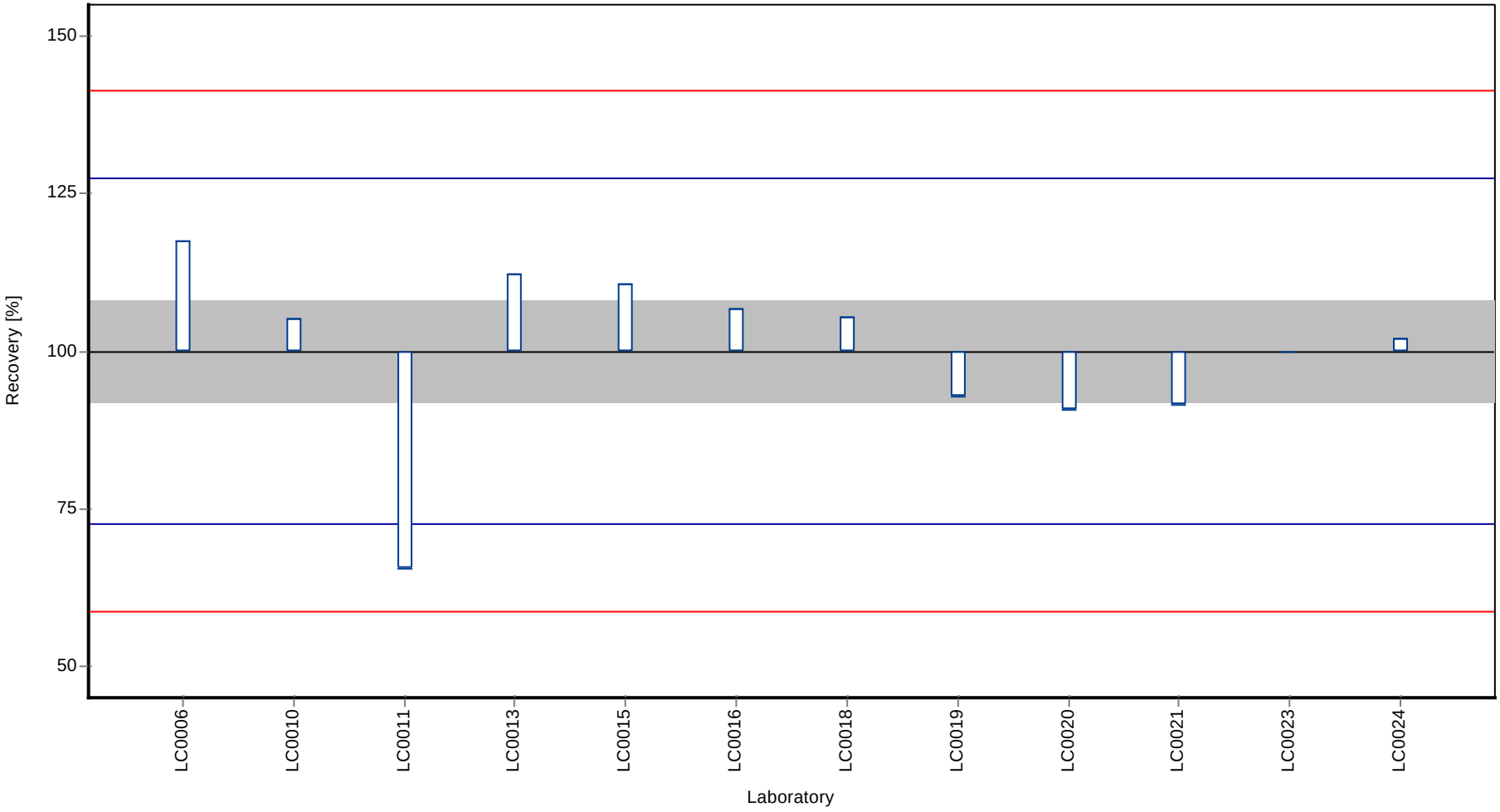
	all results	without outliners	Unit
Mean ± Cl (99%)	0.231 ± 0.0274	0.231 ± 0.0274	µg/l
Minimum	0.151	0.151	µg/l
Maximum	0.271	0.271	µg/l
Standard deviation	0.0317	0.0317	µg/l
rel. Standard deviation	13.7	13.7	%
n	12	12	-

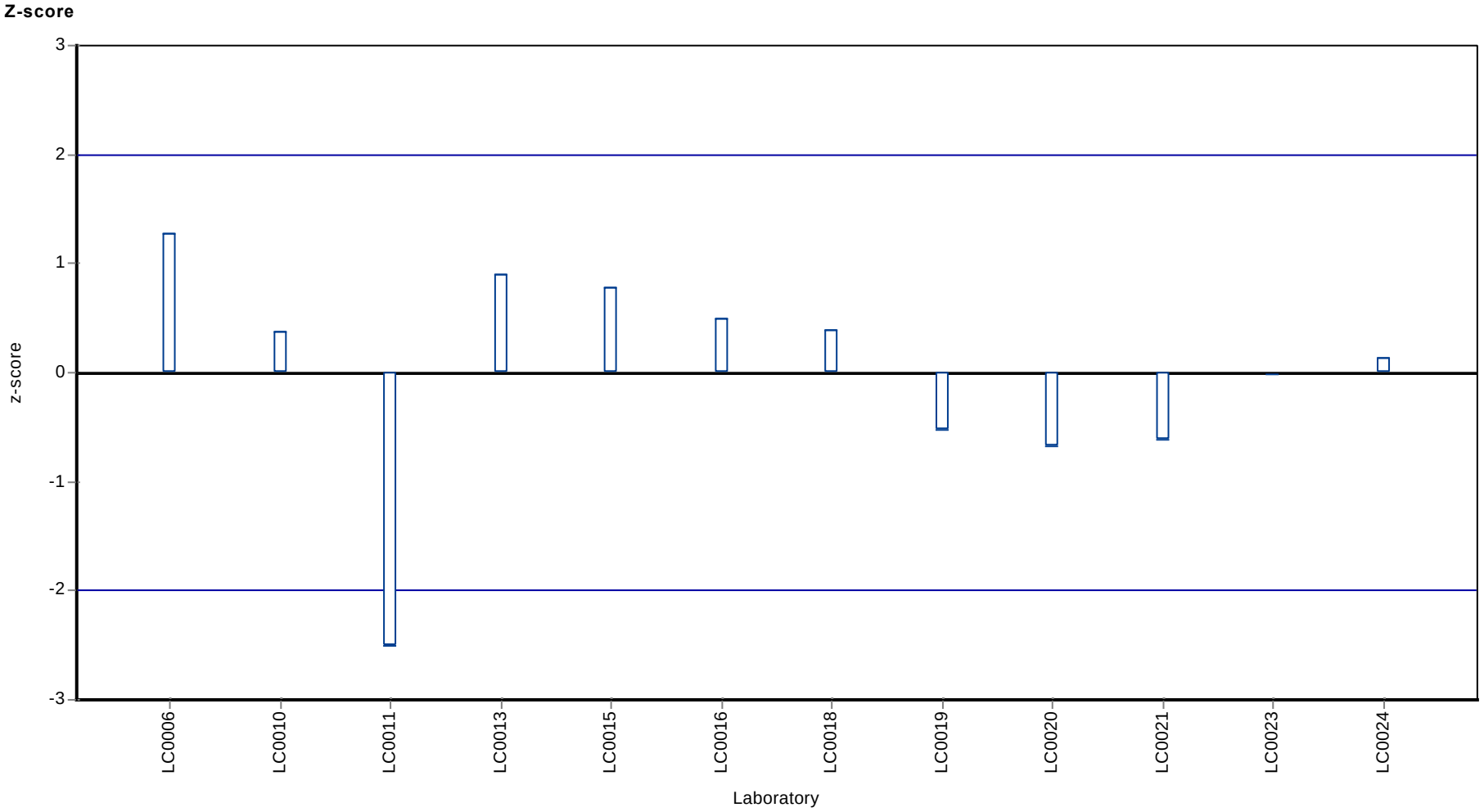
Graphical presentation of results

Results



Recovery rate




Z-score
3
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1
0
-1
-2
-3
z-score
LC0006
LC0010
LC0011
LC0013
LC0015
LC0016
LC0018
LC0019
LC0020
LC0021
LC0023
LC0024
Laboratory

Parameter oriented report

H91 B

Chloridazon

Unit	µg/l
Mean ± Cl (99%)	0.74 ± 0.105
Minimum - Maximum	0.562 - 0.952
Check value ± U	0.72 ± 0.012

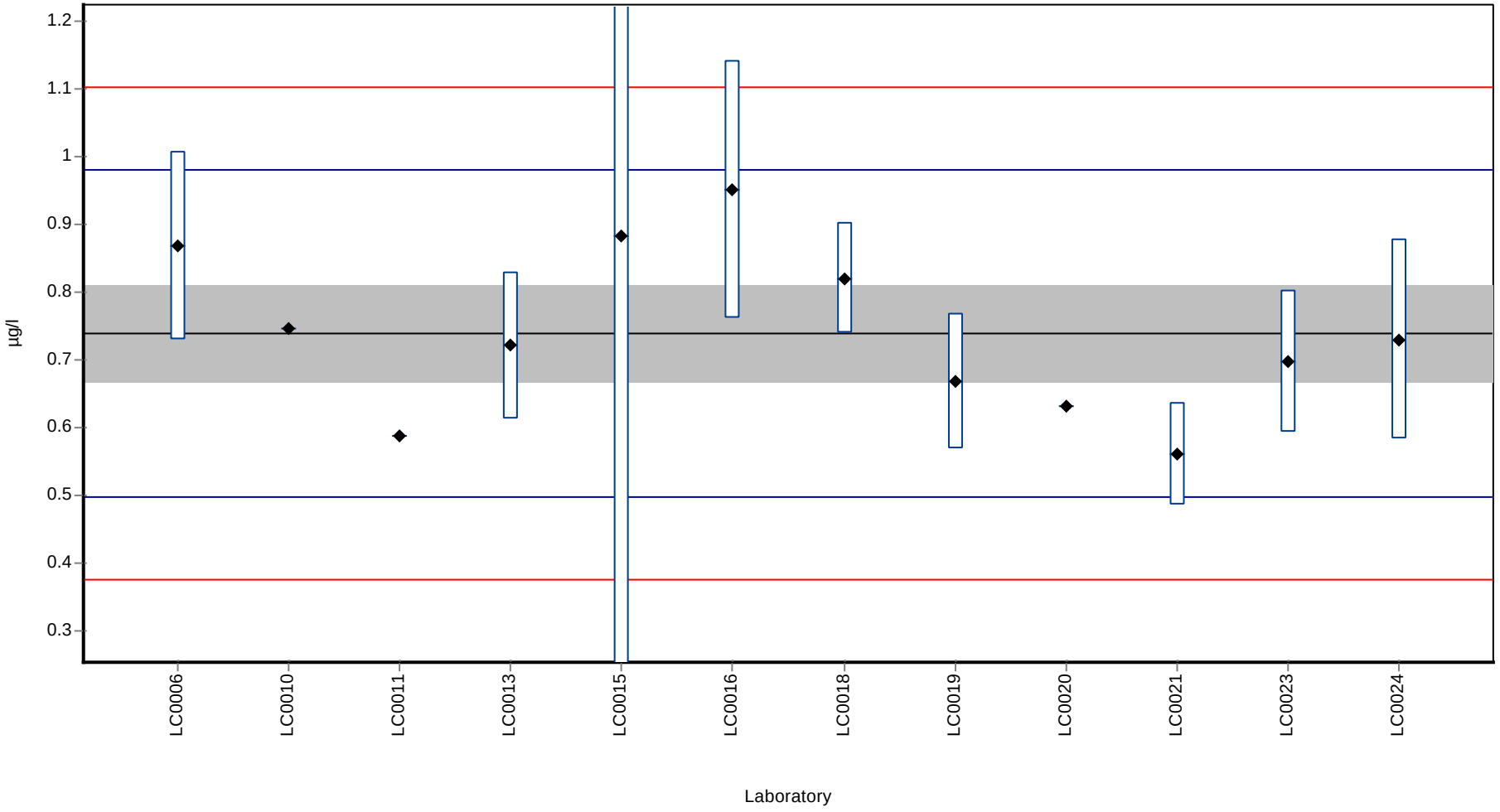
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	-	-	-	-	
LC0006	0.870	0.139	117.6	1.1	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	-	-	-	-	
LC0010	0.7474	-	101.0	0.1	
LC0011	0.590	-	79.7	-1.2	
LC0012	-	-	-	-	
LC0013	0.7228	0.1084	97.7	-0.1	
LC0014	-	-	-	-	
LC0015	0.884	50.000	119.4	1.2	
LC0016	0.952	0.190	128.6	1.7	
LC0017	-	-	-	-	
LC0018	0.821	0.082	110.9	0.7	
LC0019	0.670	0.100	90.5	-0.6	
LC0020	0.633	-	85.5	-0.9	
LC0021	0.562	0.075	75.9	-1.5	
LC0022	-	-	-	-	
LC0023	0.698	0.105	94.3	-0.3	
LC0024	0.731	0.147	98.8	-0.1	

Characteristics of parameter

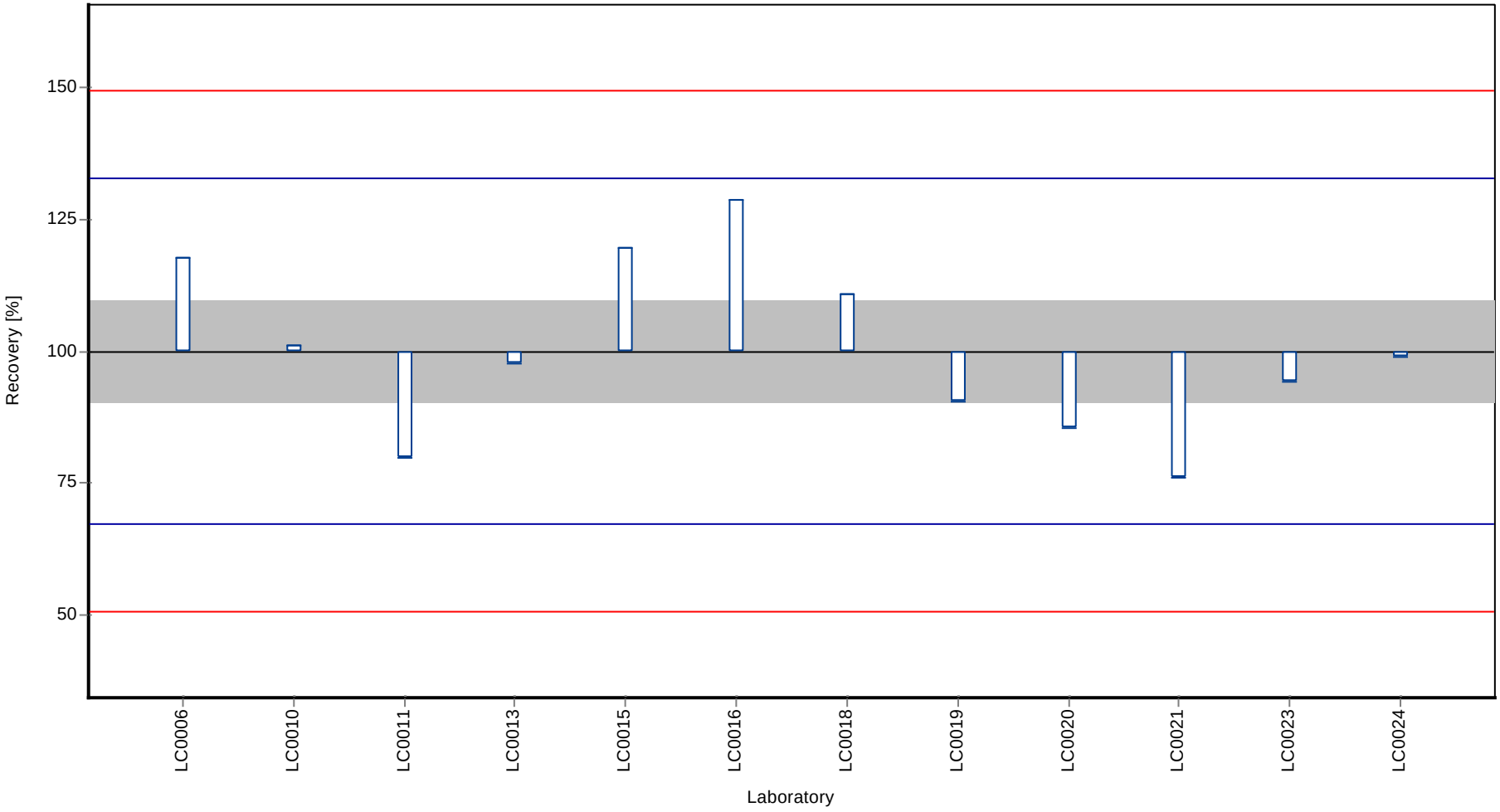
	all results	without outliners	Unit
Mean ± Cl (99%)	0.74 ± 0.105	0.74 ± 0.105	µg/l
Minimum	0.562	0.562	µg/l
Maximum	0.952	0.952	µg/l
Standard deviation	0.121	0.121	µg/l
rel. Standard deviation	16.4	16.4	%
n	12	12	-

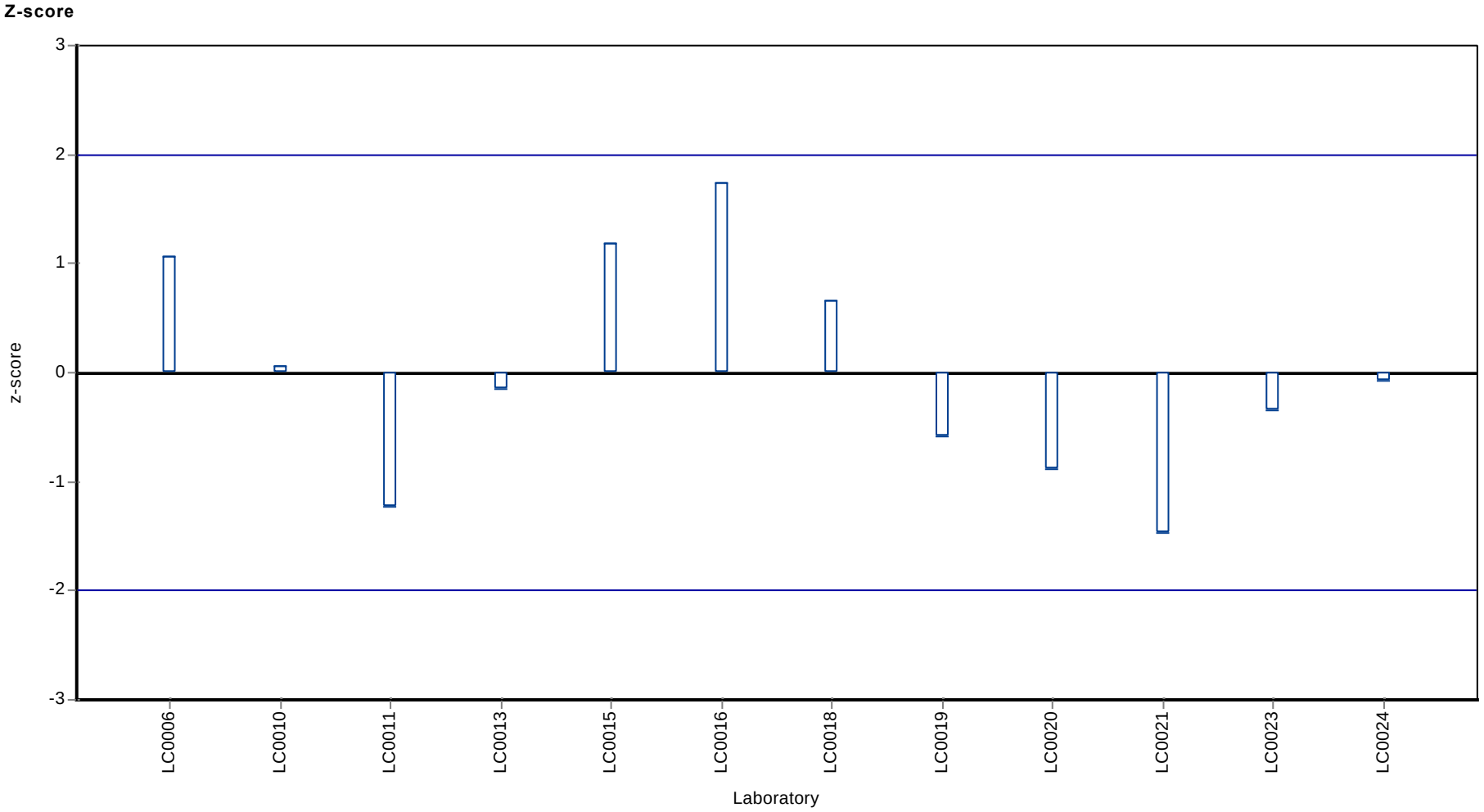
Graphical presentation of results

Results



Recovery rate




Z-score
3
2
1
0
-1
-2
-3
z-score
LC0006
LC0010
LC0011
LC0013
LC0015
LC0016
LC0018
LC0019
LC0020
LC0021
LC0023
LC0024
Laboratory

Parameter oriented report

H91 A

Desphenylchloridazon

Unit	µg/l
Mean ± Cl (99%)	0.171 ± 0.0156
Minimum - Maximum	0.147 - 0.189
Check value ± U	0.16 ± 0.026

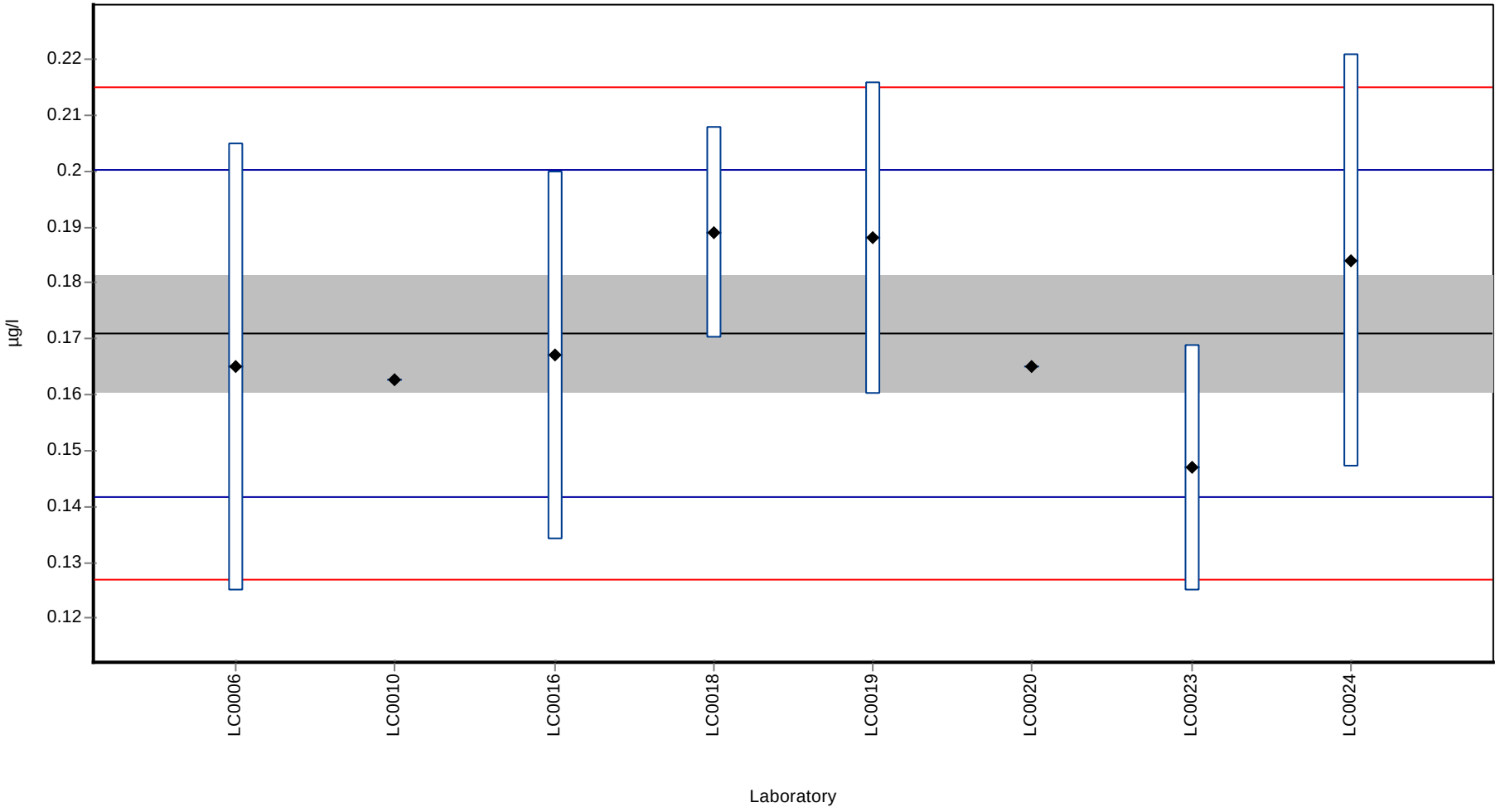
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	-	-	-	-	
LC0006	0.165	0.040	96.5	-0.4	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	-	-	-	-	
LC0010	0.1628	-	95.2	-0.6	
LC0011	-	-	-	-	
LC0012	-	-	-	-	
LC0013	-	-	-	-	
LC0014	-	-	-	-	
LC0015	-	-	-	-	
LC0016	0.167	0.033	97.7	-0.3	
LC0017	-	-	-	-	
LC0018	0.189	0.019	110.5	1.2	
LC0019	0.188	0.028	110.0	1.2	
LC0020	0.165	-	96.5	-0.4	
LC0021	-	-	-	-	
LC0022	-	-	-	-	
LC0023	0.147	0.022	86.0	-1.6	
LC0024	0.184	0.037	107.6	0.9	

Characteristics of parameter

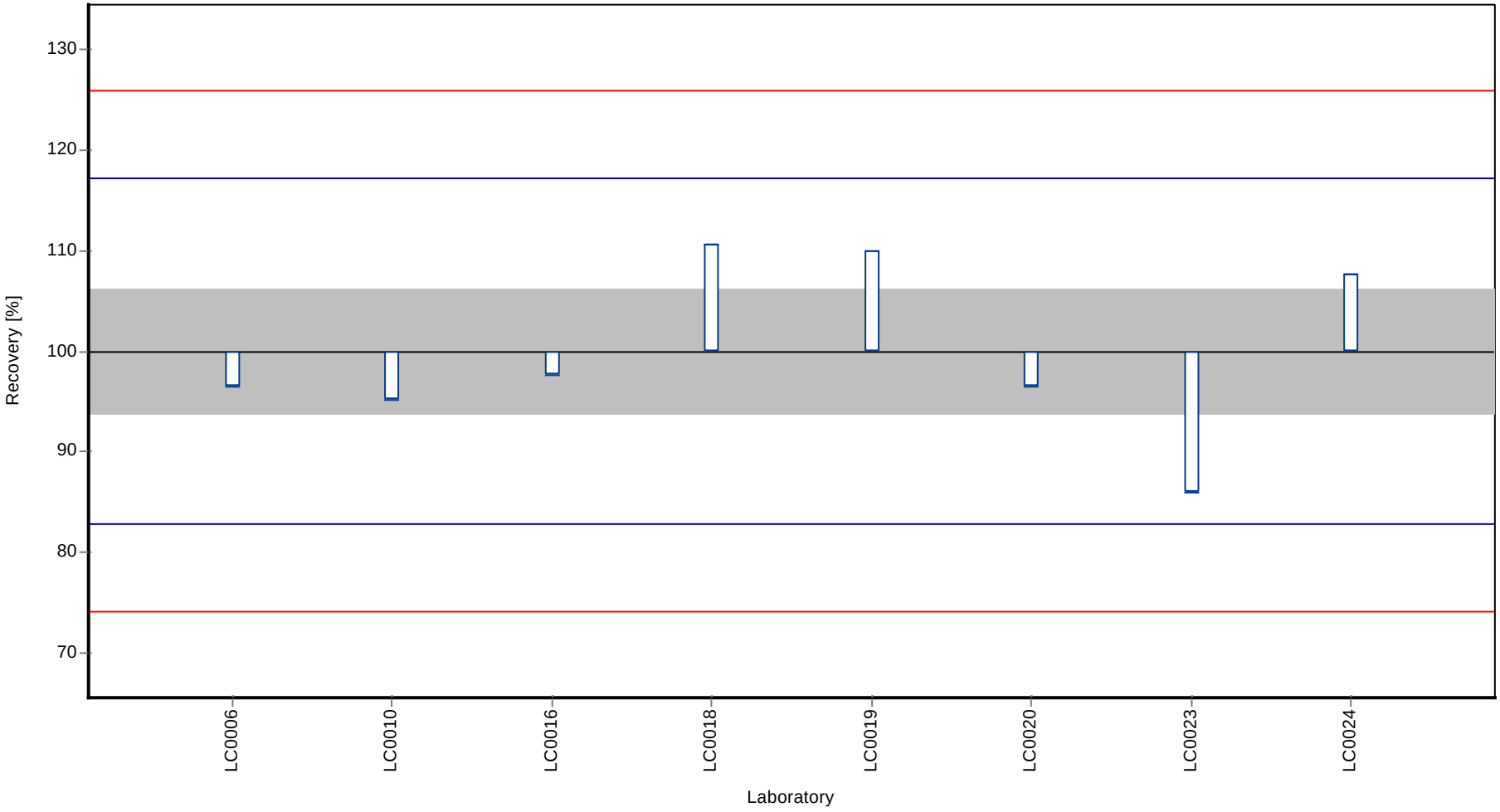
	all results	without outliners	Unit
Mean ± Cl (99%)	0.171 ± 0.0156	0.171 ± 0.0156	µg/l
Minimum	0.147	0.147	µg/l
Maximum	0.189	0.189	µg/l
Standard deviation	0.0147	0.0147	µg/l
rel. Standard deviation	8.6	8.6	%
n	8	8	-

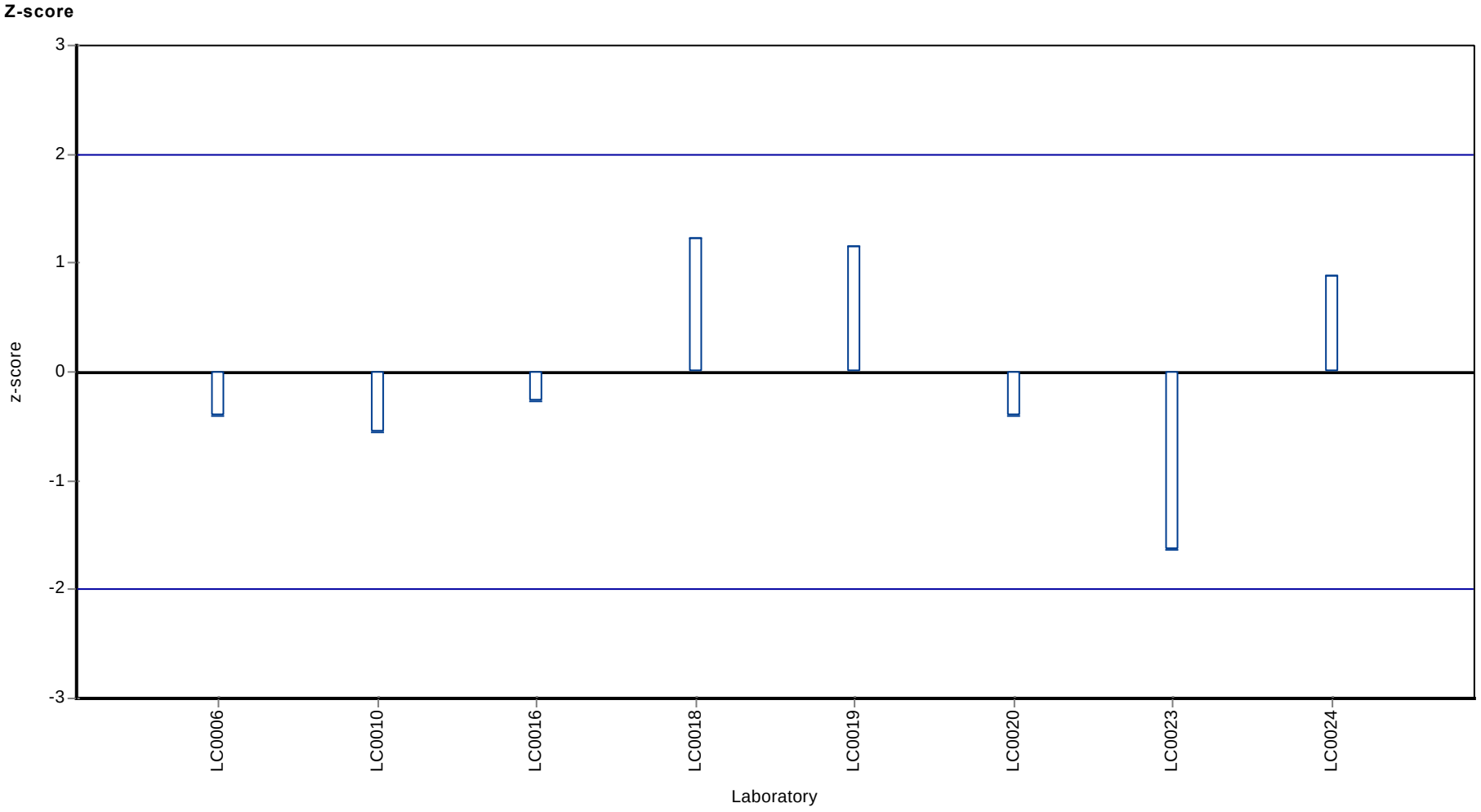
Graphical presentation of results

Results



Recovery rate




Z-score
3
2
1
0
-1
-2
-3
z-score
LC0006
LC0010
LC0016
LC0018
LC0019
LC0020
LC0023
LC0024
Laboratory

Parameter oriented report

H91 B

Desphenylchloridazon

Unit	µg/l
Mean ± Cl (99%)	0.714 ± 0.075
Minimum - Maximum	0.62 - 0.805
Check value ± U	0.64 ± 0.058

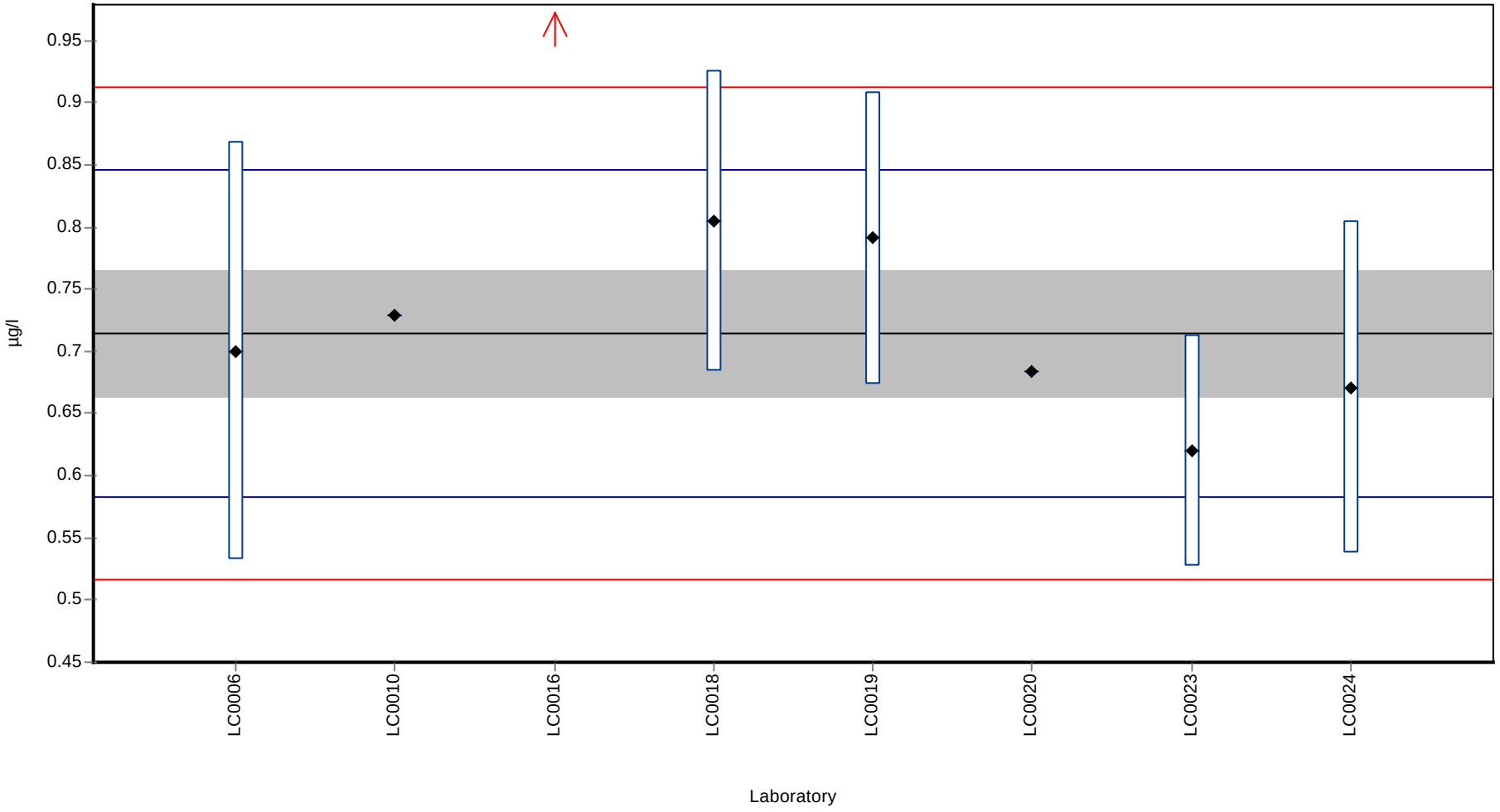
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	-	-	-	-	
LC0006	0.700	0.168	98.0	-0.2	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	-	-	-	-	
LC0010	0.7293	-	102.1	0.2	
LC0011	-	-	-	-	
LC0012	-	-	-	-	
LC0013	-	-	-	-	
LC0014	-	-	-	-	
LC0015	-	-	-	-	
LC0016	1.130	0.226	158.2	6.3	H
LC0017	-	-	-	-	
LC0018	0.805	0.121	112.7	1.4	
LC0019	0.791	0.118	110.7	1.2	
LC0020	0.684	-	95.8	-0.5	
LC0021	-	-	-	-	
LC0022	-	-	-	-	
LC0023	0.620	0.093	86.8	-1.4	
LC0024	0.671	0.134	93.9	-0.7	

Characteristics of parameter

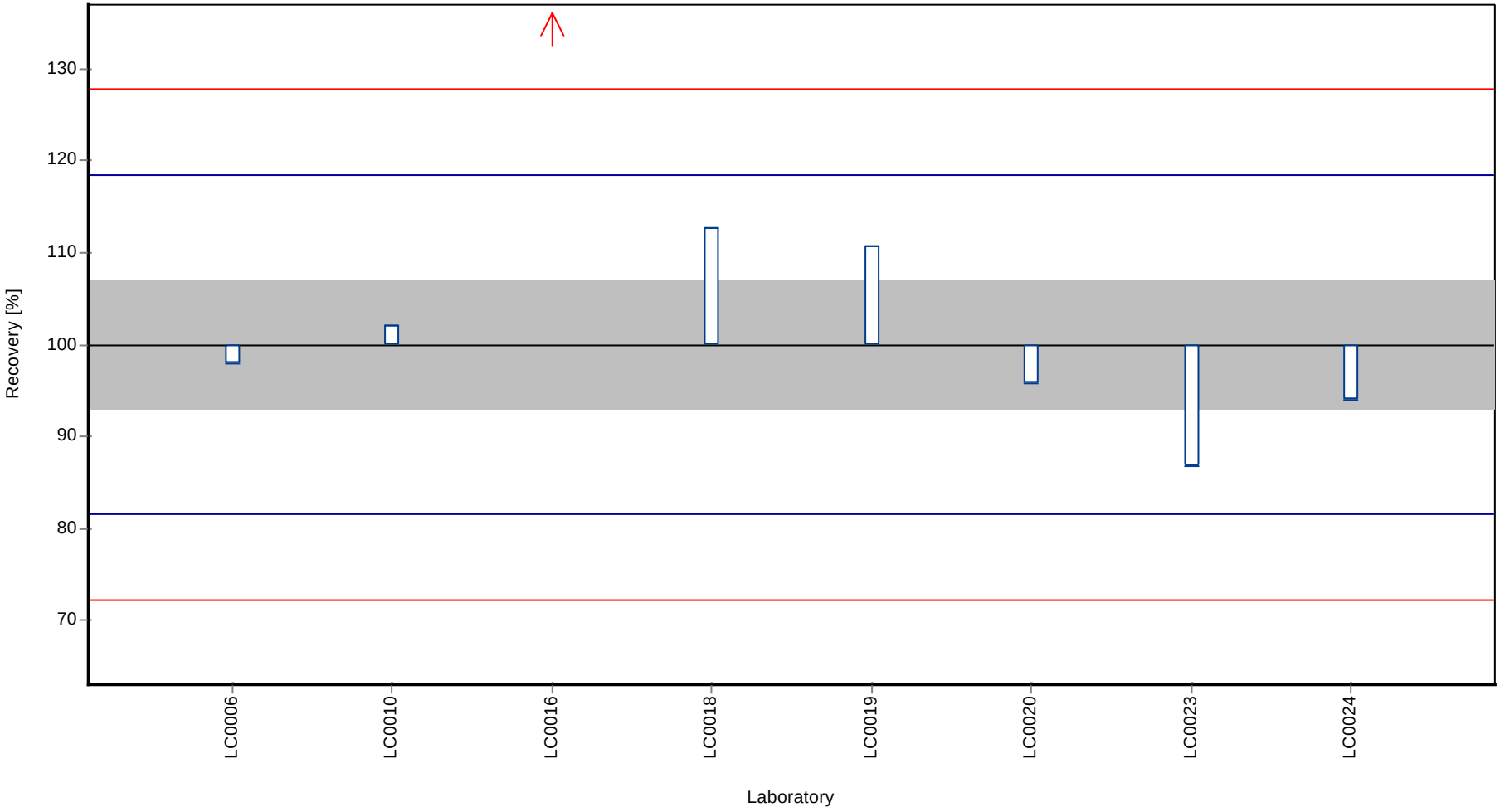
	all results	without outliners	Unit
Mean ± Cl (99%)	0.766 ± 0.169	0.714 ± 0.075	µg/l
Minimum	0.62	0.62	µg/l
Maximum	1.13	0.805	µg/l
Standard deviation	0.159	0.0661	µg/l
rel. Standard deviation	20.8	9.25	%
n	8	7	-

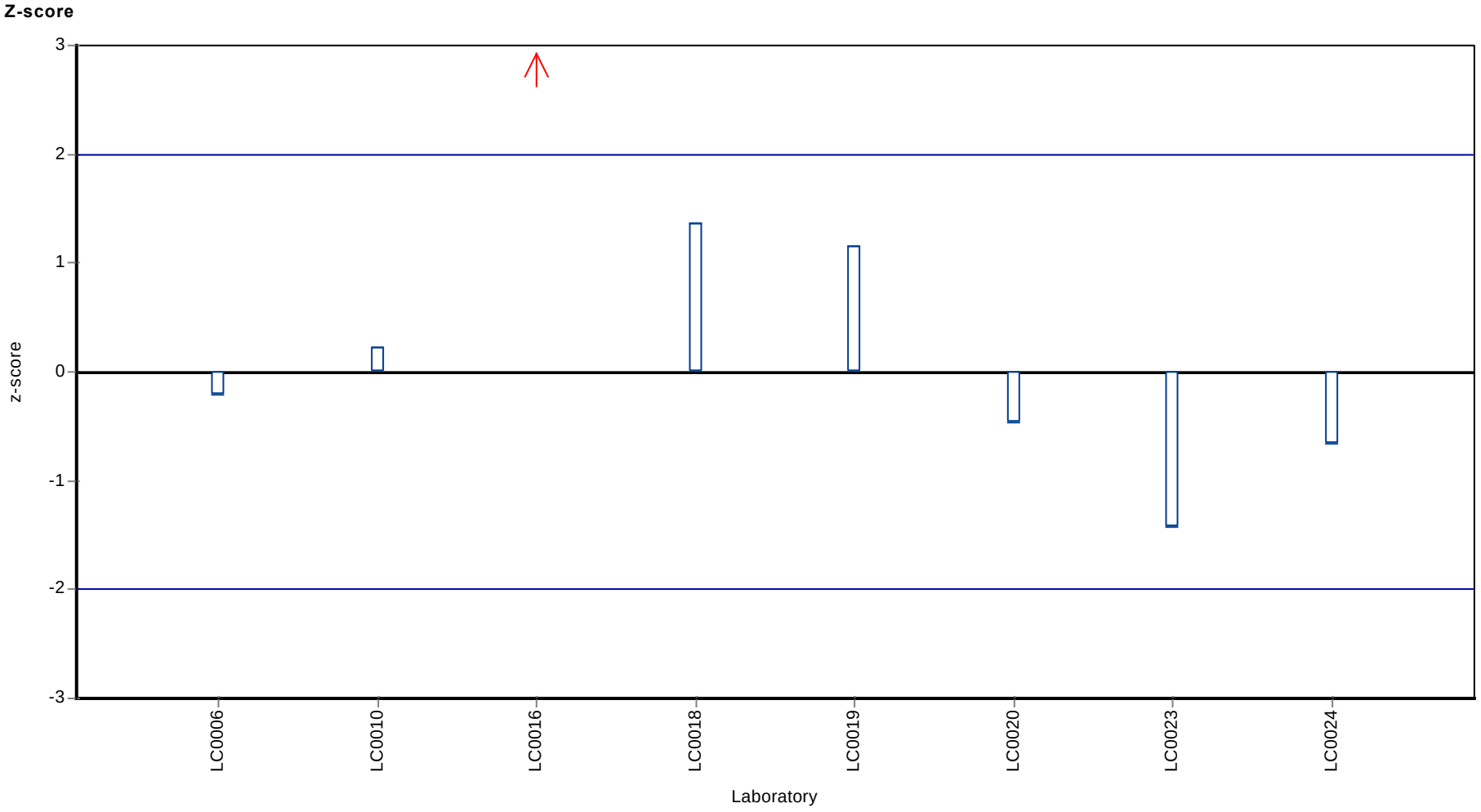
Graphical presentation of results

Results



Recovery rate




Z-score
3
2
1
0
-1
-2
-3
z-score
LC0006
LC0010
LC0016
LC0018
LC0019
LC0020
LC0023
LC0024
Laboratory

Parameter oriented report

H91 A

Methyldesphenylchloridazon

Unit	µg/l
Mean ± Cl (99%)	0.0764 ± 0.012
Minimum - Maximum	0.052 - 0.098
Check value ± U	0.092 ± 0.004

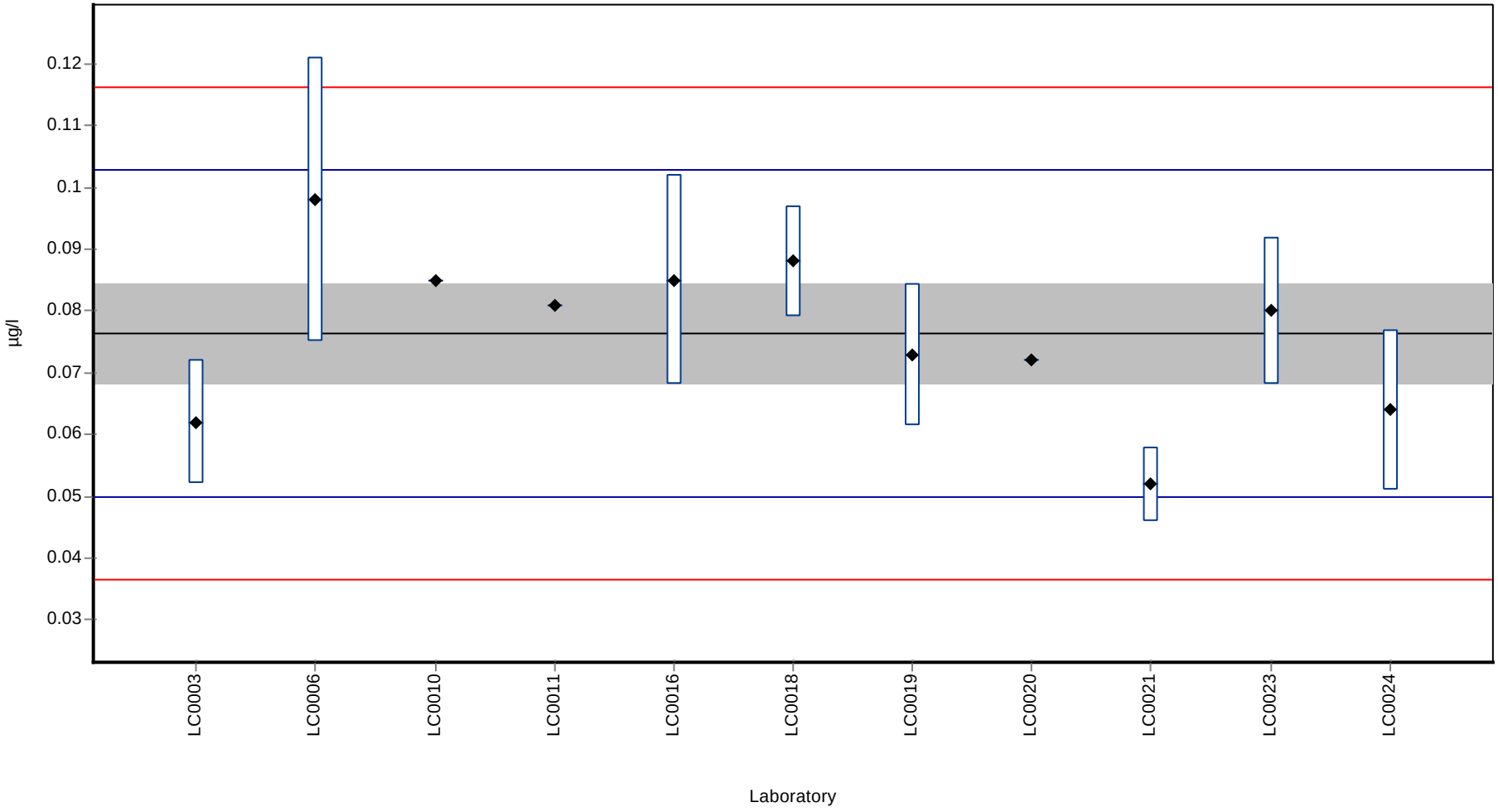
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	0.062	0.010	81.2	-1.1	
LC0004	-	-	-	-	
LC0005	-	-	-	-	
LC0006	0.098	0.023	128.3	1.6	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	-	-	-	-	
LC0010	0.085	-	111.3	0.6	
LC0011	0.081	-	106.1	0.3	
LC0012	-	-	-	-	
LC0013	-	-	-	-	
LC0014	-	-	-	-	
LC0015	-	-	-	-	
LC0016	0.085	0.017	111.3	0.6	
LC0017	-	-	-	-	
LC0018	0.088	0.009	115.2	0.9	
LC0019	0.073	0.0115	95.6	-0.3	
LC0020	0.072	-	94.3	-0.3	
LC0021	0.052	0.006	68.1	-1.8	
LC0022	-	-	-	-	
LC0023	0.080	0.012	104.8	0.3	
LC0024	0.064	0.013	83.8	-0.9	

Characteristics of parameter

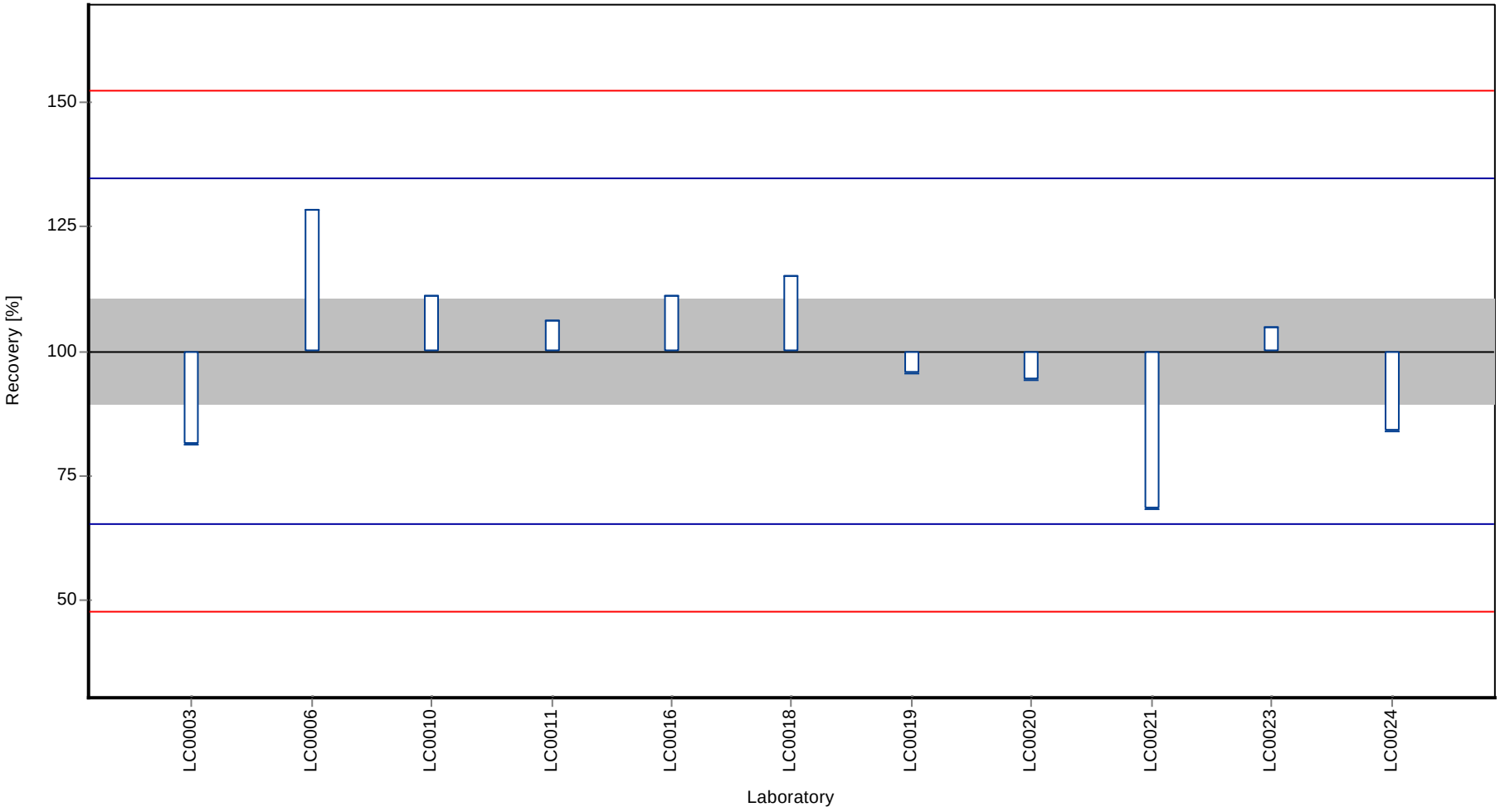
	all results	without outliners	Unit
Mean ± Cl (99%)	0.0764 ± 0.012	0.0764 ± 0.012	µg/l
Minimum	0.052	0.052	µg/l
Maximum	0.098	0.098	µg/l
Standard deviation	0.0133	0.0133	µg/l
rel. Standard deviation	17.4	17.4	%
n	11	11	-

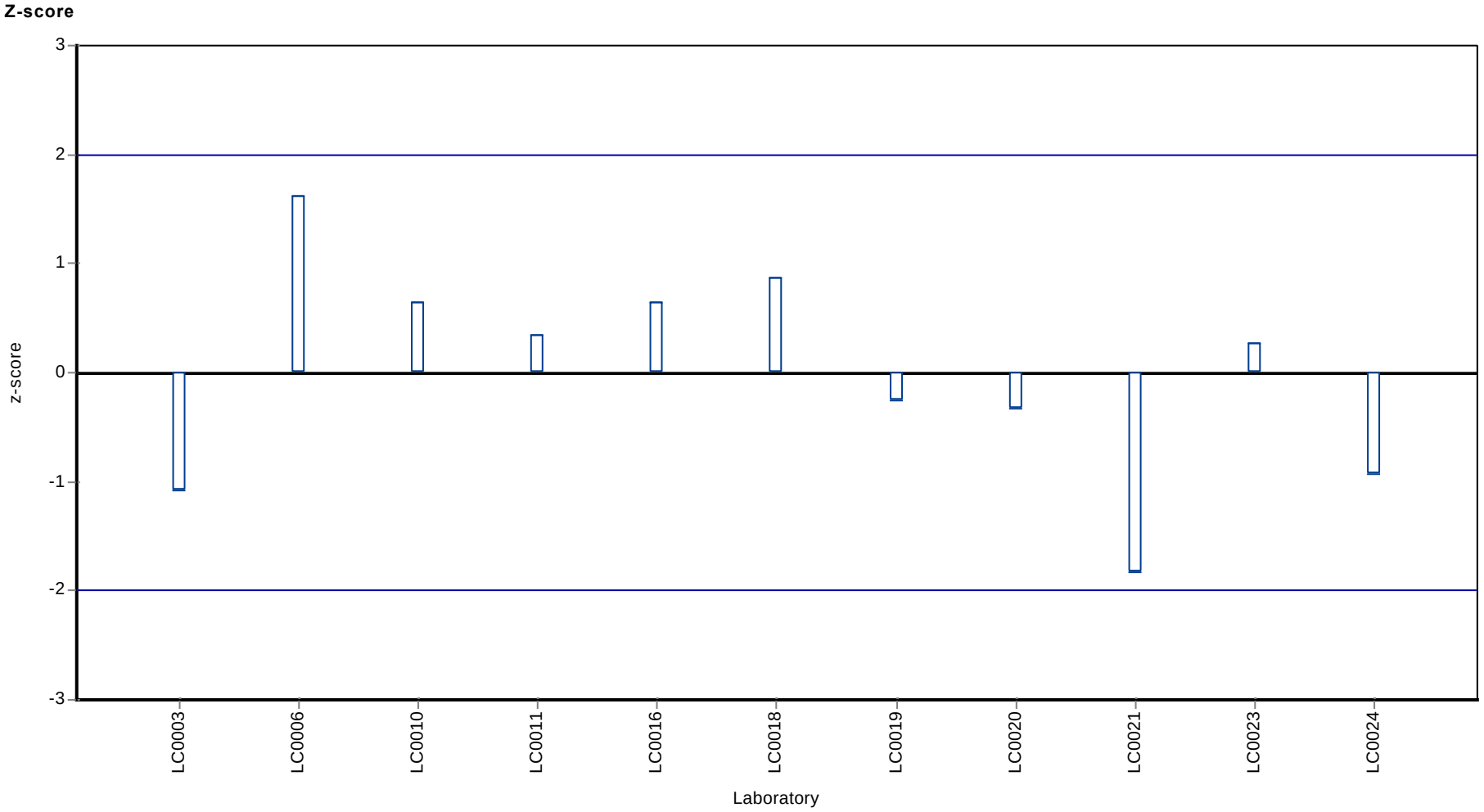
Graphical presentation of results

Results



Recovery rate




Z-score
3
2
1
0
-1
-2
-3
z-score
LC0003
LC0006
LC0010
LC0011
LC0016
LC0018
LC0019
LC0020
LC0021
LC0023
LC0024
Laboratory

Parameter oriented report

H91 B

Methyldesphenylchloridazon

Unit	µg/l
Mean ± Cl (99%)	0.0279 ± 0.00994
Minimum - Maximum	0.014 - 0.043
Check value ± U	< 0.05 (LOQ)

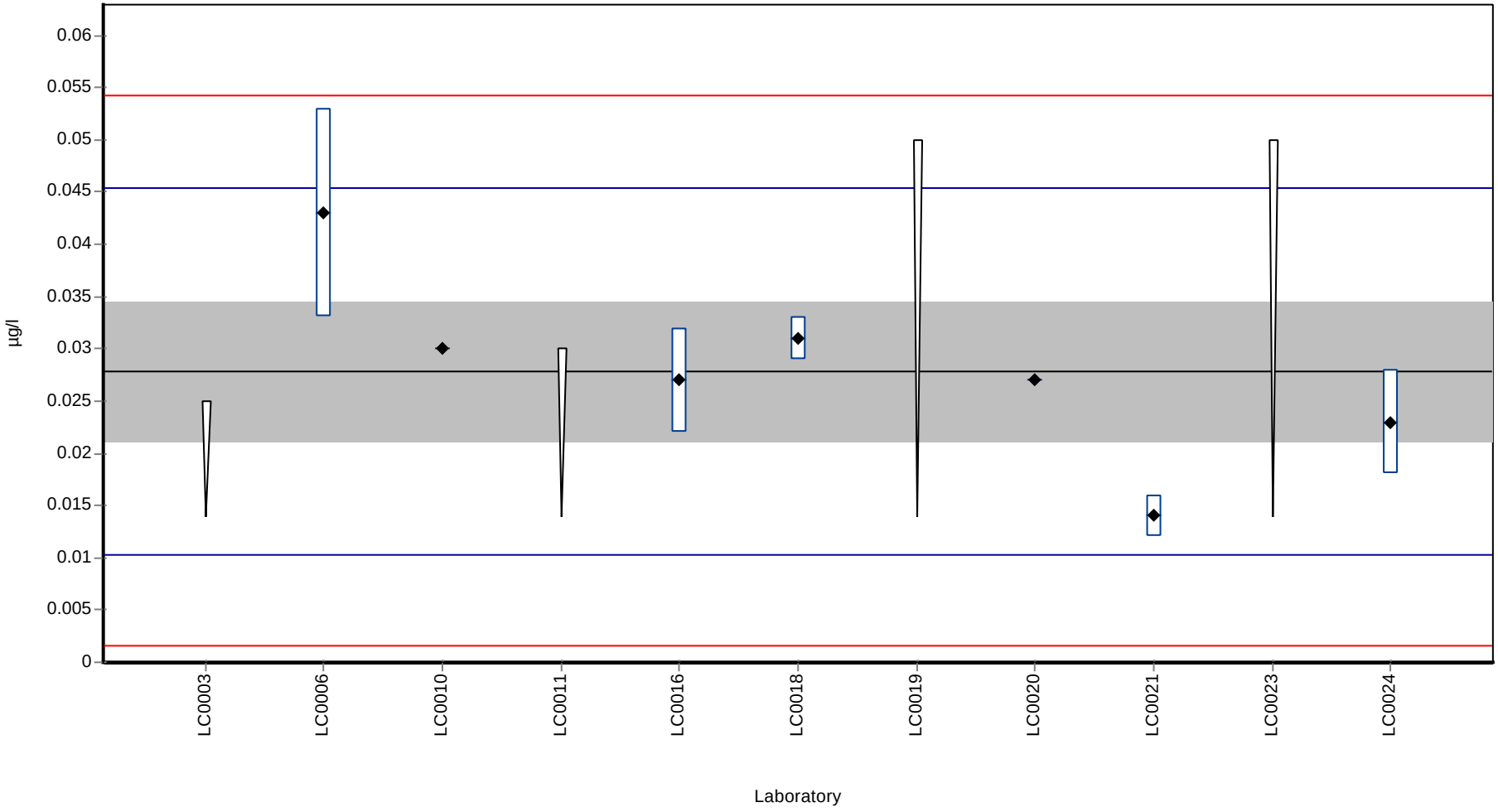
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	< 0.025 (LOQ)	-	-	-	
LC0004	-	-	-	-	
LC0005	-	-	-	-	
LC0006	0.043	0.010	154.3	1.7	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	-	-	-	-	
LC0010	0.0301	-	108.0	0.3	
LC0011	< 0.03 (LOQ)	-	-	-	
LC0012	-	-	-	-	
LC0013	-	-	-	-	
LC0014	-	-	-	-	
LC0015	-	-	-	-	
LC0016	0.027	0.005	96.9	-0.1	
LC0017	-	-	-	-	
LC0018	0.031	0.002	111.2	0.4	
LC0019	< 0.05 (LOQ)	-	-	-	
LC0020	0.027	-	96.9	-0.1	
LC0021	0.014	0.002	50.2	-1.6	
LC0022	-	-	-	-	
LC0023	< 0.05 (LOQ)	-	-	-	
LC0024	0.023	0.005	82.5	-0.6	

Characteristics of parameter

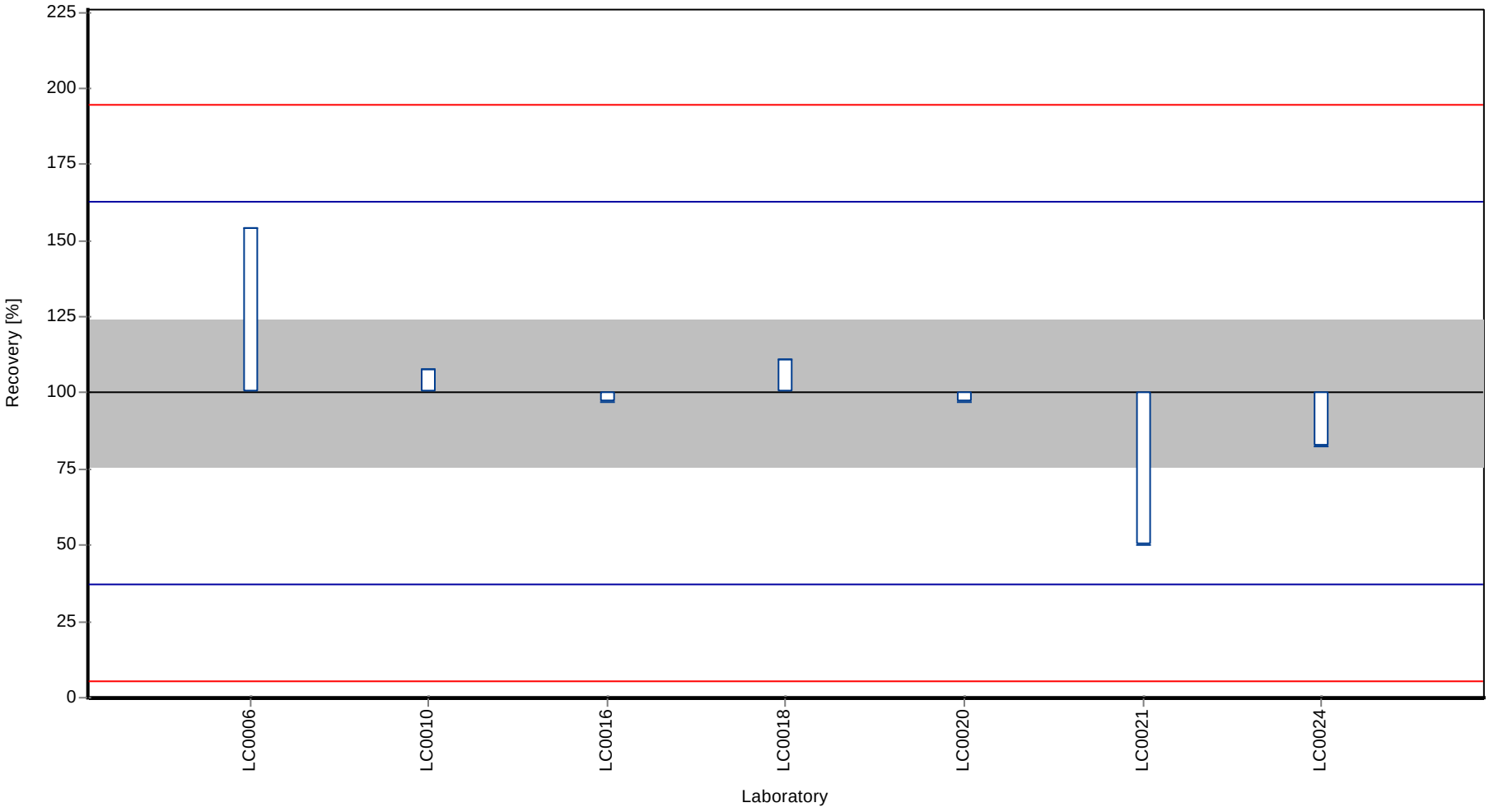
	all results	without outliners	Unit
Mean ± Cl (99%)	0.0279 ± 0.00994	0.0279 ± 0.00994	µg/l
Minimum	0.014	0.014	µg/l
Maximum	0.043	0.043	µg/l
Standard deviation	0.00877	0.00877	µg/l
rel. Standard deviation	31.5	31.5	%
n	7	7	-

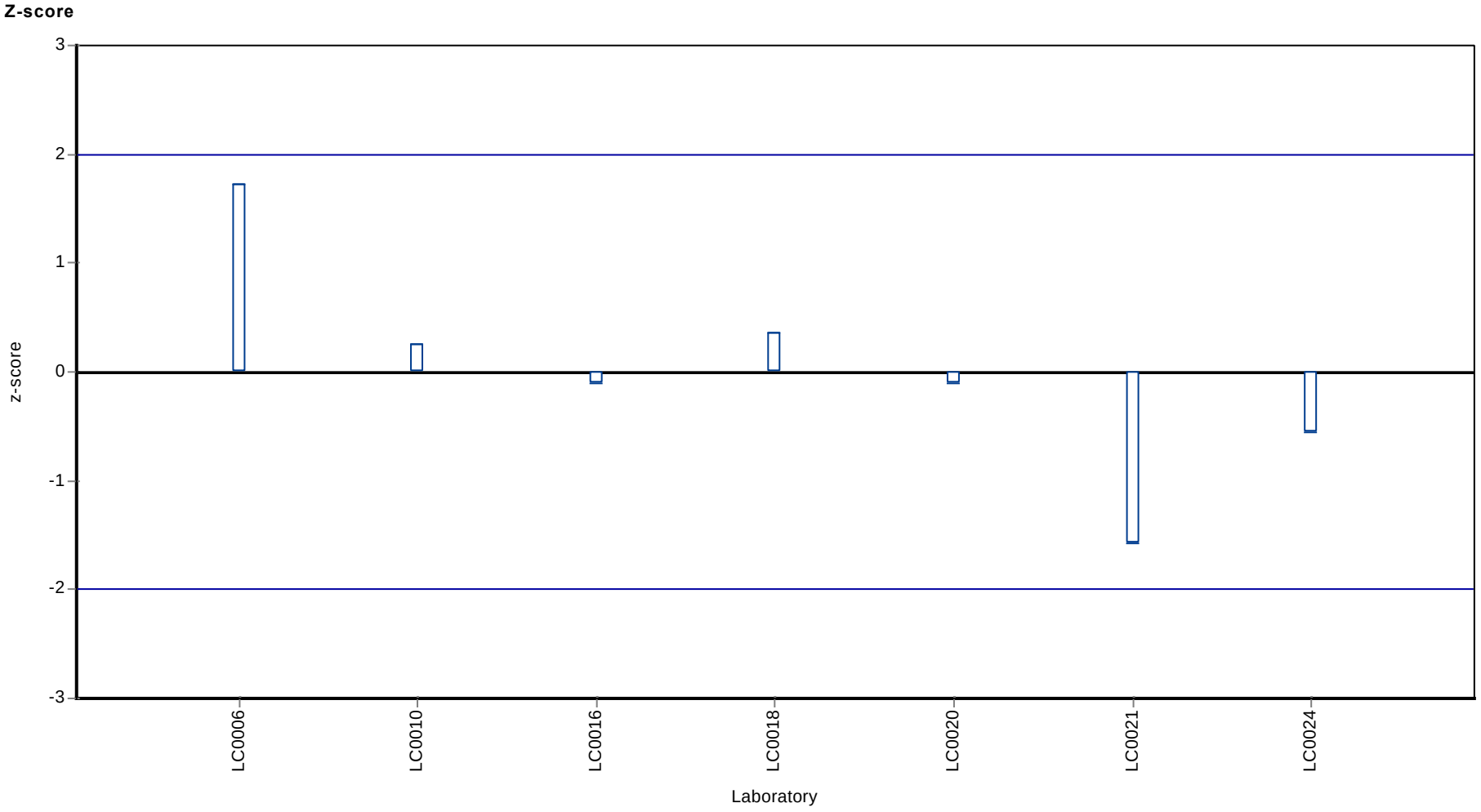
Graphical presentation of results

Results



Recovery rate




Z-score
3
2
1
0
-1
-2
-3
z-score
LC0006
LC0010
LC0016
LC0018
LC0020
LC0021
LC0024
Laboratory

Parameter oriented report

H91 A

Desethyldesisopropylatrazine

Unit	µg/l
Mean ± Cl (99%)	-
Minimum - Maximum	0.076 - 0.107
Check value ± U	0.17 ± 0.024

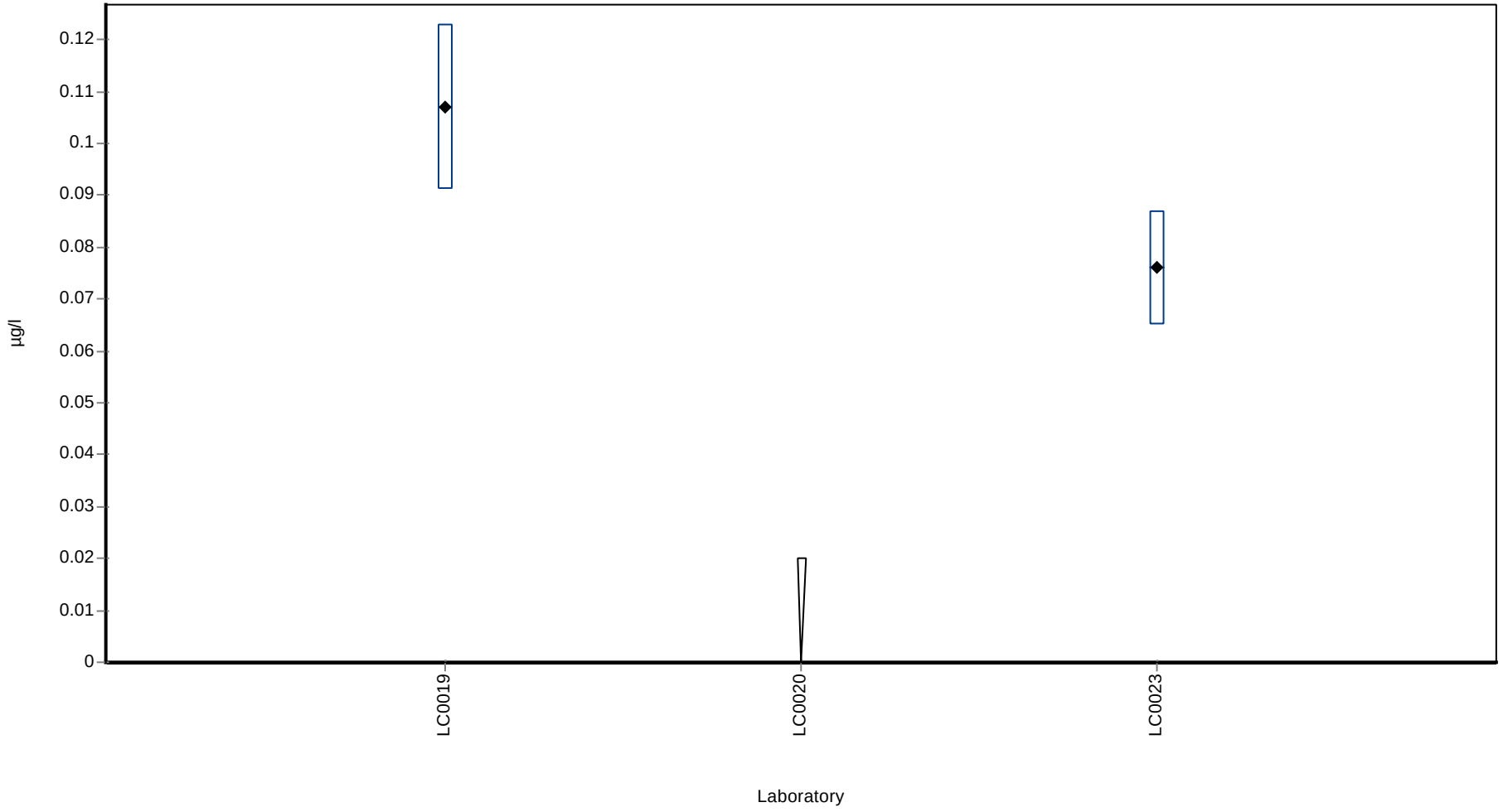
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	-	-	-	-	
LC0006	-	-	-	-	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	-	-	-	-	
LC0010	-	-	-	-	
LC0011	-	-	-	-	
LC0012	-	-	-	-	
LC0013	-	-	-	-	
LC0014	-	-	-	-	
LC0015	-	-	-	-	
LC0016	-	-	-	-	
LC0017	-	-	-	-	
LC0018	-	-	-	-	
LC0019	0.107	0.016	-	-	
LC0020	< 0.02 (LOQ)	-	-	-	
LC0021	-	-	-	-	
LC0022	-	-	-	-	
LC0023	0.076	0.011	-	-	
LC0024	-	-	-	-	

Characteristics of parameter

	all results	without outliners	Unit
Mean ± Cl (99%)	0.0915 ± 0.0465	-	µg/l
Minimum	0.076	0.076	µg/l
Maximum	0.107	0.107	µg/l
Standard deviation	0.0219	-	µg/l
rel. Standard deviation	24	-	%
n	2	2	-

Graphical presentation of results

Results



Parameter oriented report

H91 B

Desethyldesisopropylatrazine

Unit	µg/l
Mean ± Cl (99%)	-
Minimum - Maximum	0.099 - 0.345
Check value ± U	0.75 ± 0.057 *

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	-	-	-	-	
LC0006	-	-	-	-	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	-	-	-	-	
LC0010	-	-	-	-	
LC0011	-	-	-	-	
LC0012	-	-	-	-	
LC0013	-	-	-	-	
LC0014	-	-	-	-	
LC0015	-	-	-	-	
LC0016	-	-	-	-	
LC0017	-	-	-	-	
LC0018	-	-	-	-	
LC0019	0.345	0.052	-	-	
LC0020	0.099	-	-	-	
LC0021	-	-	-	-	
LC0022	-	-	-	-	
LC0023	0.310	0.046	-	-	
LC0024	-	-	-	-	

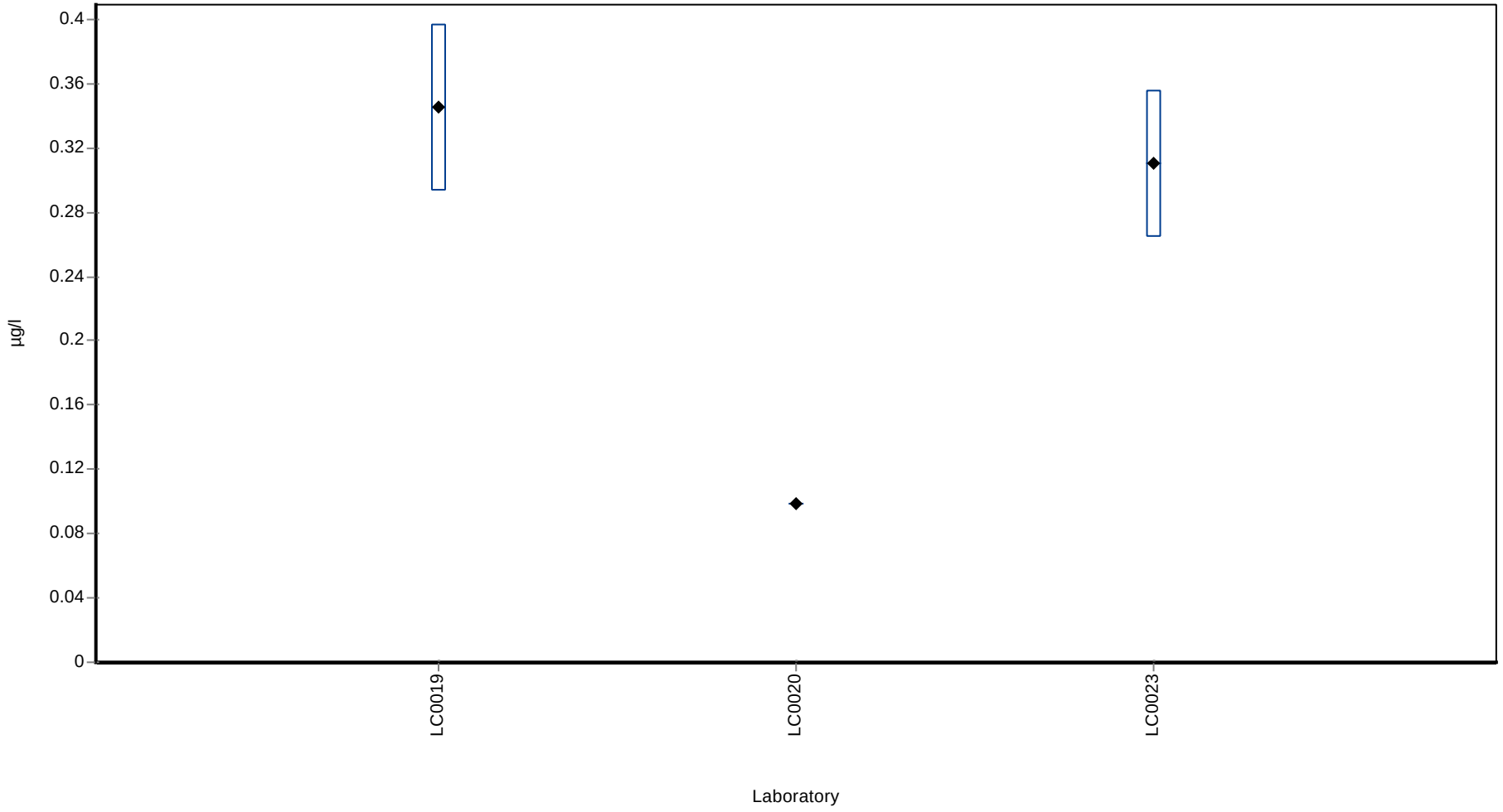
Characteristics of parameter

	all results	without outliners	Unit
Mean ± Cl (99%)	0.251 ± 0.231	-	µg/l
Minimum	0.099	0.099	µg/l
Maximum	0.345	0.345	µg/l
Standard deviation	0.133	-	µg/l
rel. Standard deviation	52.9	-	%
n	3	3	-

* The samples was spiked with Desethyldesisopropylatrazine. The theoretical value is 0.74 µg/l.
The check value is in the range of the theoretical value.

Graphical presentation of results

Results



Parameter oriented report

H91 A

Nicosulfurone

Unit	µg/l
Mean ± CI (99%)	-
Minimum - Maximum	2.3 - 2.3
Check value ± U	< 0.025 (LOD)

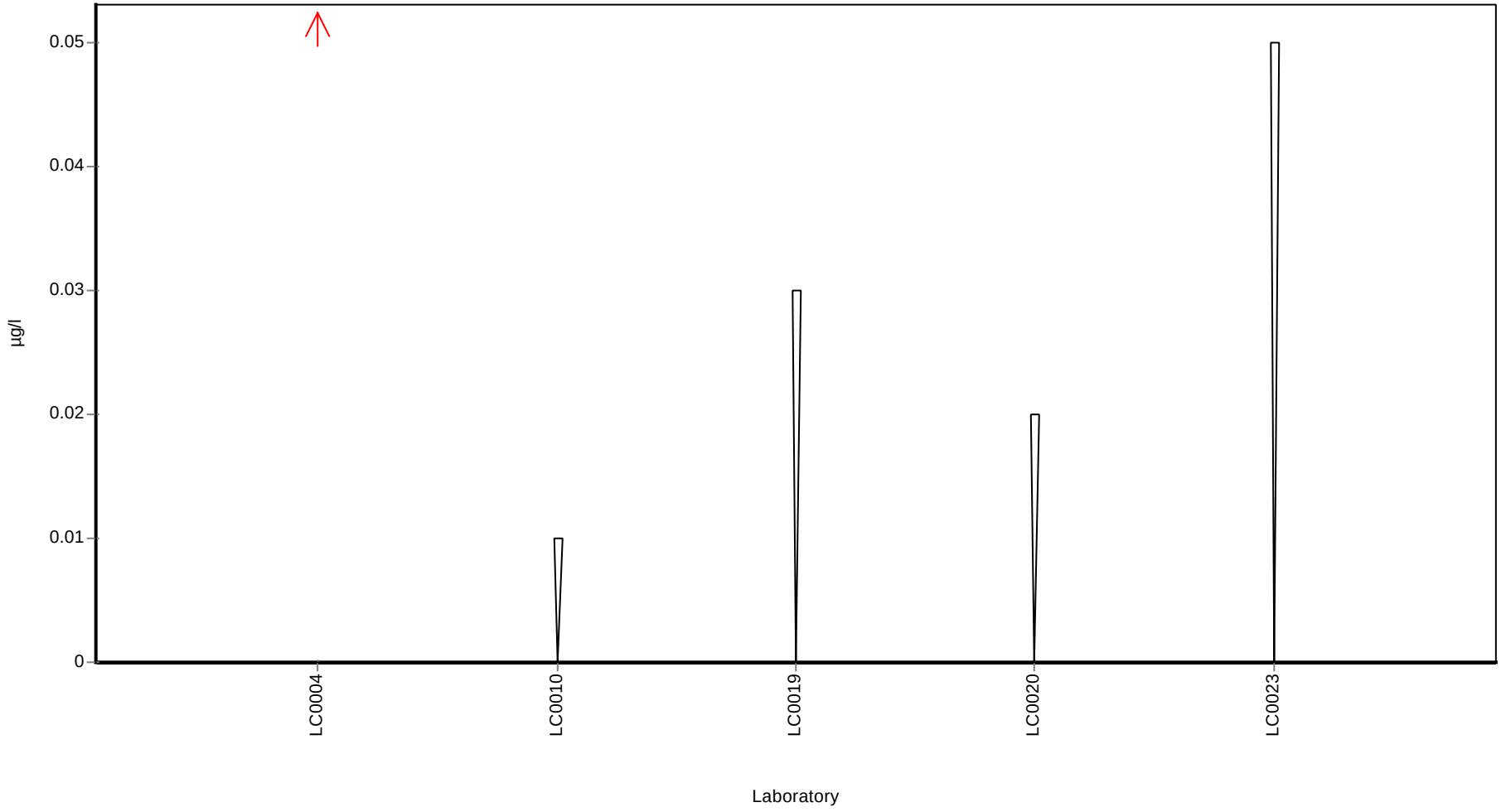
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	-	-	-	-	
LC0004	2.300	0.690	-	-	FP
LC0005	-	-	-	-	
LC0006	-	-	-	-	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	-	-	-	-	
LC0010	< 0.01 (LOQ)	-	-	-	
LC0011	-	-	-	-	
LC0012	-	-	-	-	
LC0013	-	-	-	-	
LC0014	-	-	-	-	
LC0015	-	-	-	-	
LC0016	-	-	-	-	
LC0017	-	-	-	-	
LC0018	-	-	-	-	
LC0019	< 0.03 (LOQ)	-	-	-	
LC0020	<0.02 (LOD)	-	-	-	
LC0021	-	-	-	-	
LC0022	-	-	-	-	
LC0023	< 0.05 (LOQ)	-	-	-	
LC0024	-	-	-	-	

Characteristics of parameter

	all results	without outliners	Unit
Mean ± CI (99%)	2.3	-	µg/l
Minimum	2.3	2.3	µg/l
Maximum	2.3	2.3	µg/l
Standard deviation	-	-	µg/l
rel. Standard deviation	-	-	%
n	1	1	-

Graphical presentation of results

Results



Parameter oriented report

H91 B

Nicosulfurone

Unit	µg/l
Mean ± CI (99%)	-
Minimum - Maximum	0.072 - 0.094
Check value ± U	0.32 ± 0.013 *

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	-	-	-	-	
LC0004	1.900	0.570	-	-	H
LC0005	-	-	-	-	
LC0006	-	-	-	-	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	-	-	-	-	
LC0010	0.2425	-	-	-	H
LC0011	-	-	-	-	
LC0012	-	-	-	-	
LC0013	-	-	-	-	
LC0014	-	-	-	-	
LC0015	0.094	50.000	-	-	
LC0016	-	-	-	-	
LC0017	-	-	-	-	
LC0018	-	-	-	-	
LC0019	0.093	0.015	-	-	
LC0020	0.072	-	-	-	
LC0021	-	-	-	-	
LC0022	-	-	-	-	
LC0023	0.086	0.013	-	-	
LC0024	-	-	-	-	

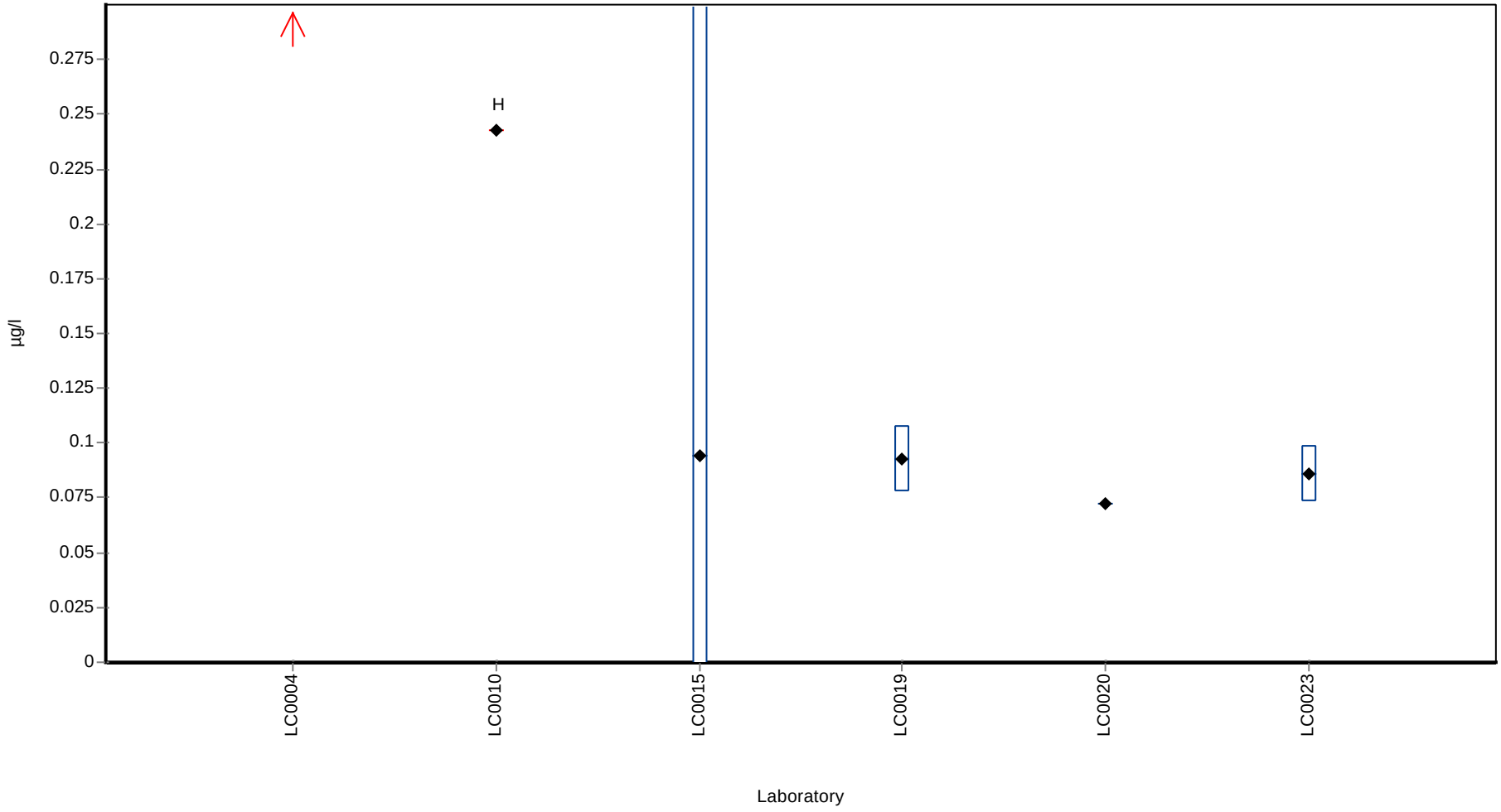
Characteristics of parameter

	all results	without outliners	Unit
Mean ± CI (99%)	0.415 ± 0.895	-	µg/l
Minimum	0.072	0.072	µg/l
Maximum	1.9	0.094	µg/l
Standard deviation	0.73	-	µg/l
rel. Standard deviation	176	-	%
n	6	4	-

* The samples was spiked with Nicosulfurone. The theoretical value is 0.34 µg/l.
The check value is in the range of the theoretical value.

Graphical presentation of results

Results



Parameter oriented report

H91 A

Dimethylsulfamide

Unit	µg/l
Mean ± Cl (99%)	0.517 ± 0.0303
Minimum - Maximum	0.468 - 0.544
Check value ± U	0.52 ± 0.034

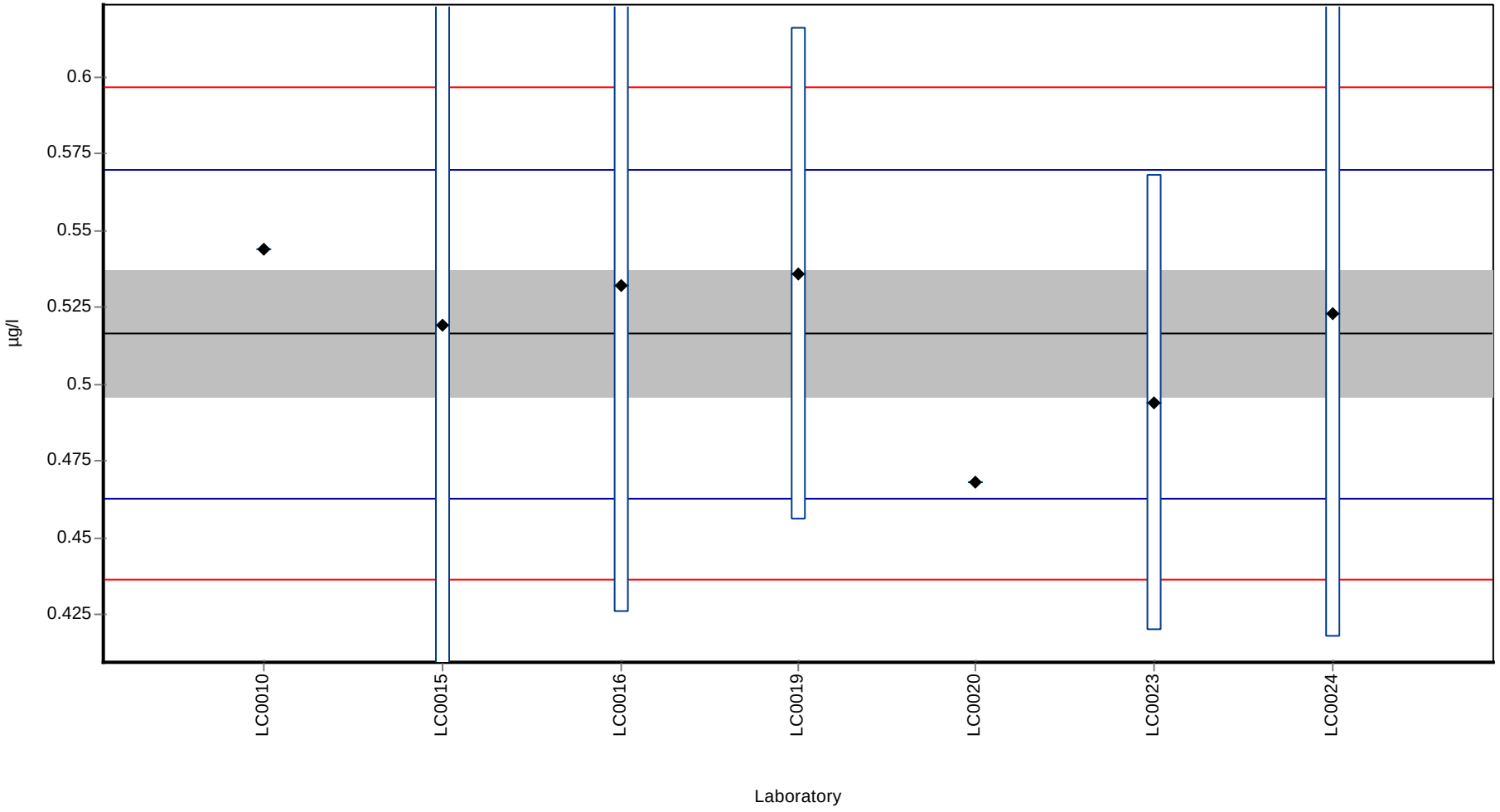
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	-	-	-	-	
LC0006	-	-	-	-	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	-	-	-	-	
LC0010	0.544	-	105.3	1.0	
LC0011	-	-	-	-	
LC0012	-	-	-	-	
LC0013	-	-	-	-	
LC0014	-	-	-	-	
LC0015	0.519	50.000	100.5	0.1	
LC0016	0.532	0.106	103.0	0.6	
LC0017	-	-	-	-	
LC0018	-	-	-	-	
LC0019	0.536	0.080	103.8	0.7	
LC0020	0.468	-	90.6	-1.8	
LC0021	-	-	-	-	
LC0022	-	-	-	-	
LC0023	0.494	0.074	95.6	-0.8	
LC0024	0.523	0.105	101.2	0.2	

Characteristics of parameter

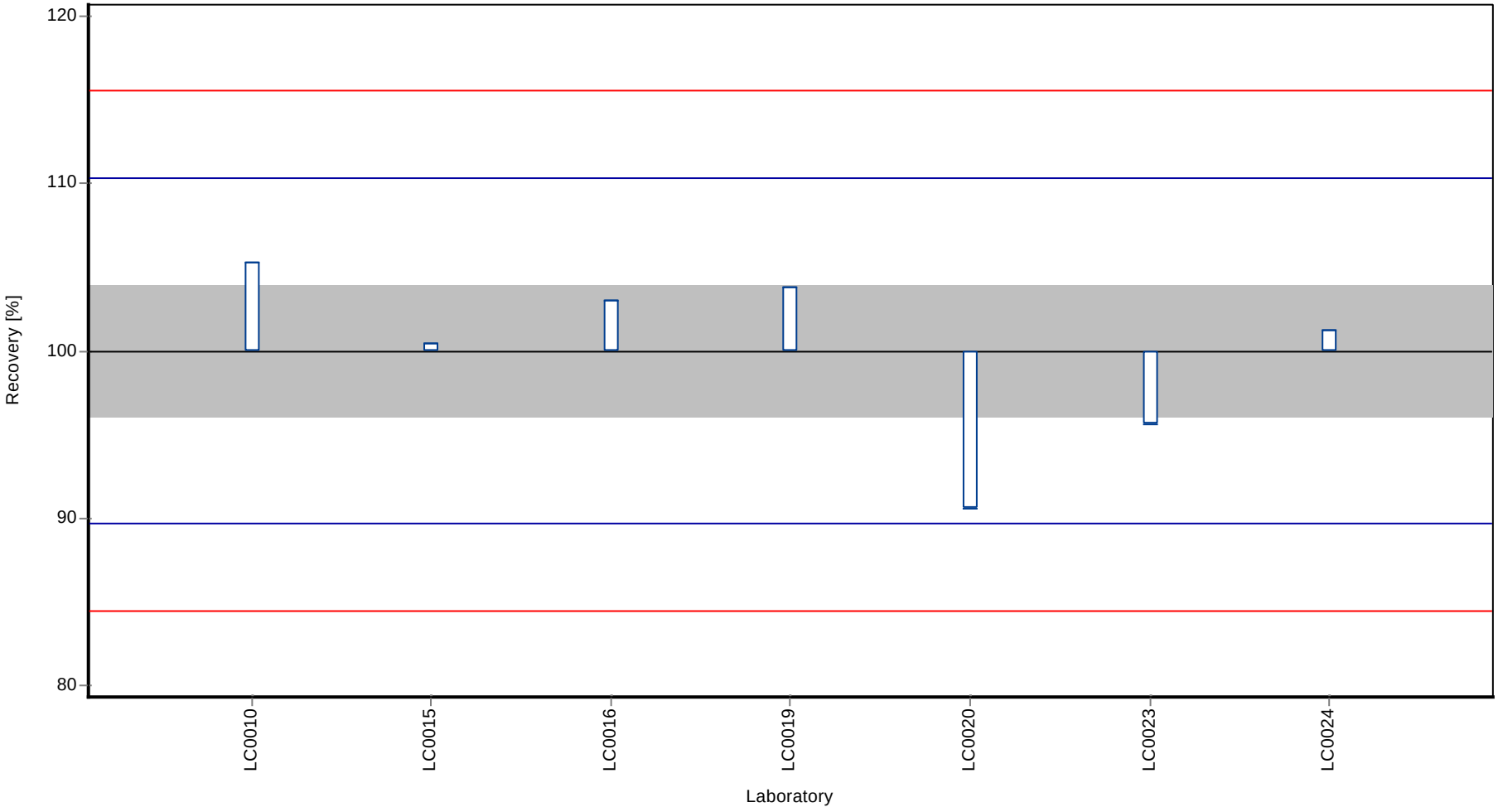
	all results	without outliners	Unit
Mean ± Cl (99%)	0.517 ± 0.0303	0.517 ± 0.0303	µg/l
Minimum	0.468	0.468	µg/l
Maximum	0.544	0.544	µg/l
Standard deviation	0.0267	0.0267	µg/l
rel. Standard deviation	5.17	5.17	%
n	7	7	-

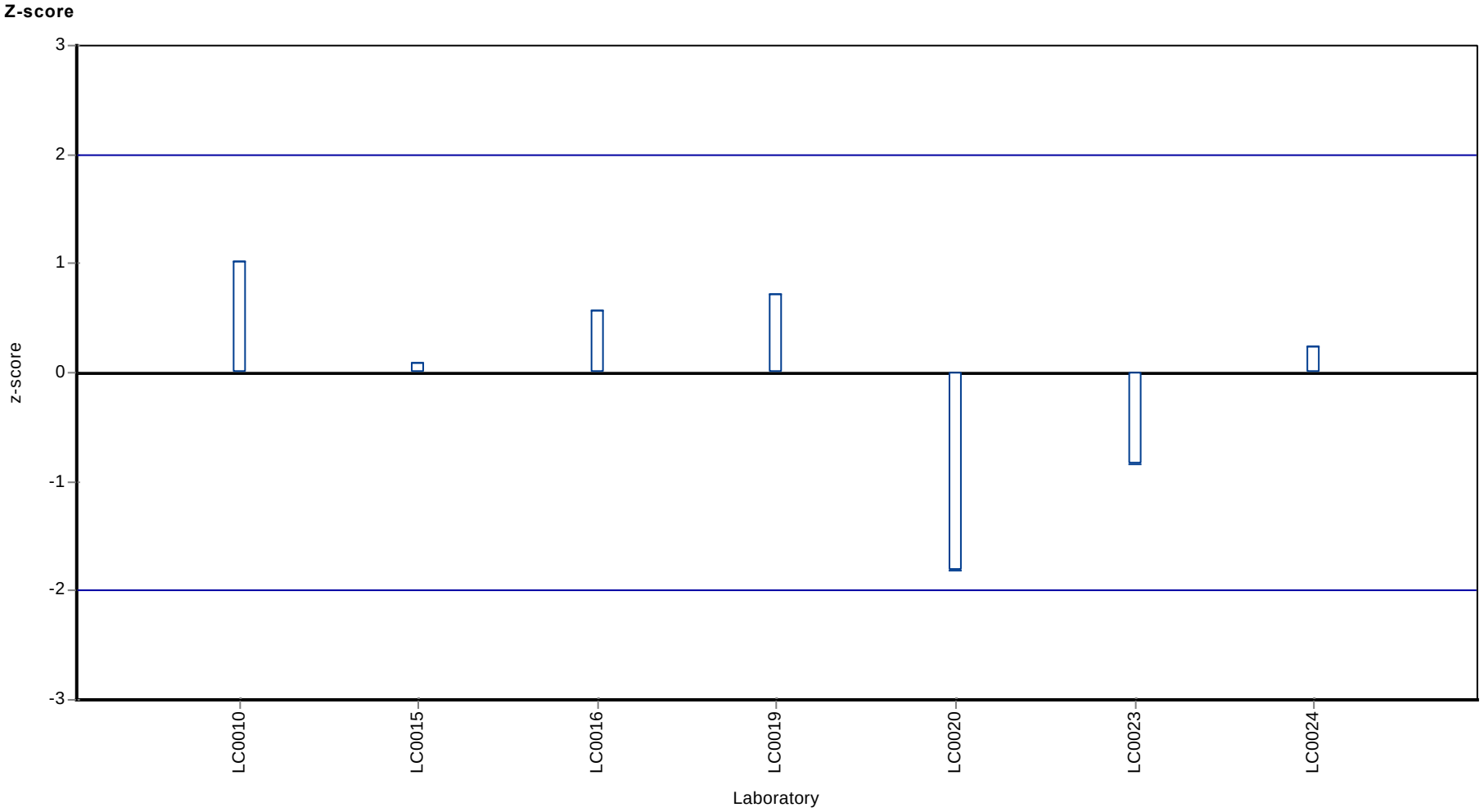
Graphical presentation of results

Results



Recovery rate




Z-score
3
2
1
0
-1
-2
-3
z-score
LC0010
LC0015
LC0016
LC0019
LC0020
LC0023
LC0024
Laboratory

Parameter oriented report

H91 B

Dimethylsulfamide

Unit	µg/l
Mean ± Cl (99%)	-
Minimum - Maximum	-
Check value ± U	< 0.025 (LOD)

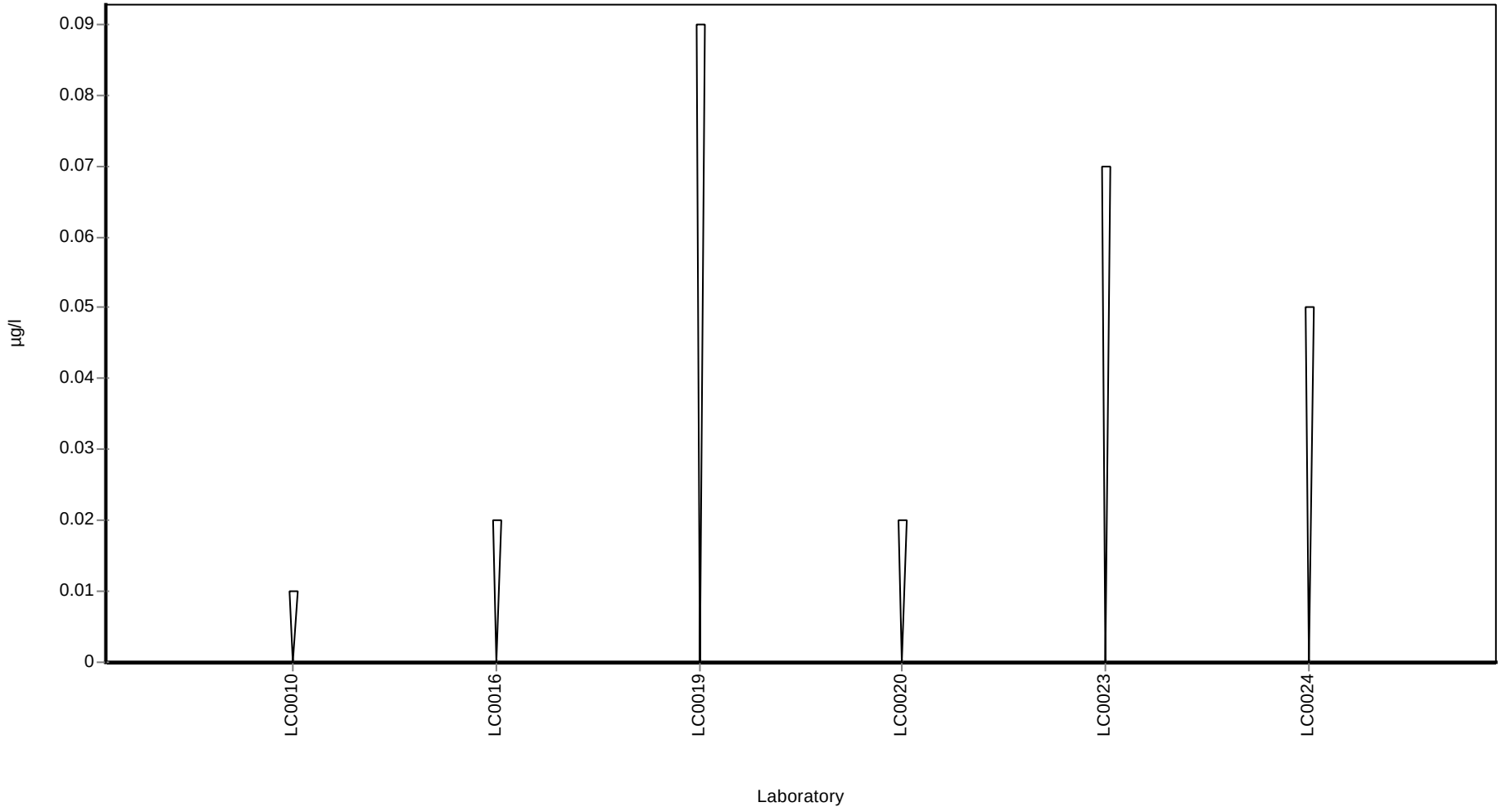
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	-	-	-	-	
LC0006	-	-	-	-	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	-	-	-	-	
LC0010	< 0.01 (LOQ)	-	-	-	
LC0011	-	-	-	-	
LC0012	-	-	-	-	
LC0013	-	-	-	-	
LC0014	-	-	-	-	
LC0015	-	-	-	-	
LC0016	< 0.02 (LOQ)	-	-	-	
LC0017	-	-	-	-	
LC0018	-	-	-	-	
LC0019	< 0.09 (LOQ)	-	-	-	
LC0020	<0.02 (LOD)	-	-	-	
LC0021	-	-	-	-	
LC0022	-	-	-	-	
LC0023	< 0.07 (LOQ)	-	-	-	
LC0024	< 0.05 (LOQ)	-	-	-	

Characteristics of parameter

	all results	without outliners	Unit
Mean ± Cl (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

H91 A

Clopyralid

Unit	µg/l
Mean ± CI (99%)	-
Minimum - Maximum	0.362 - 0.634
Check value ± U	0.56 ± 0.12

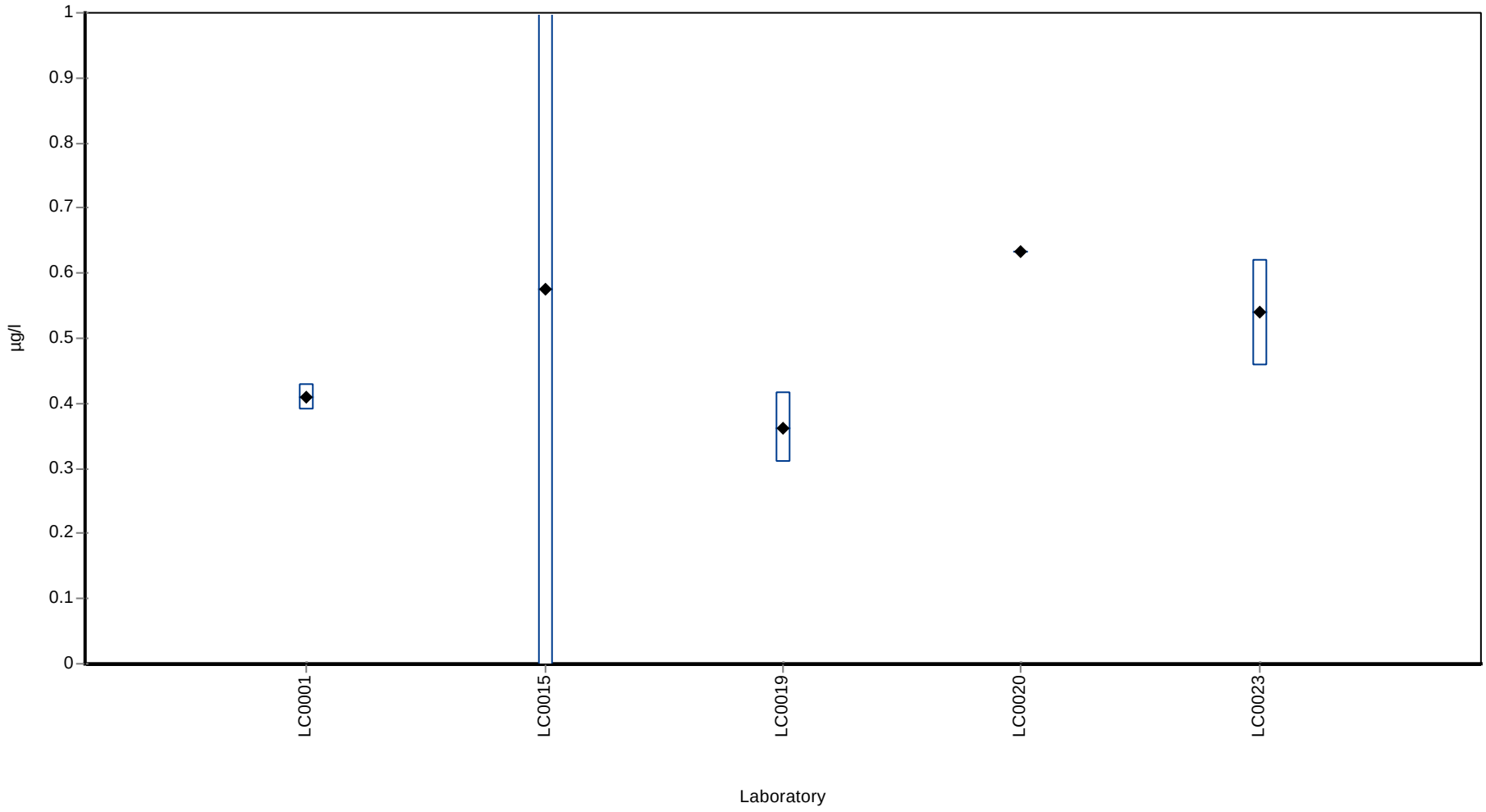
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.410	0.020	-	-	
LC0002	-	-	-	-	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	-	-	-	-	
LC0006	-	-	-	-	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	-	-	-	-	
LC0010	-	-	-	-	
LC0011	-	-	-	-	
LC0012	-	-	-	-	
LC0013	-	-	-	-	
LC0014	-	-	-	-	
LC0015	0.575	50.000	-	-	
LC0016	-	-	-	-	
LC0017	-	-	-	-	
LC0018	-	-	-	-	
LC0019	0.362	0.054	-	-	
LC0020	0.634	-	-	-	
LC0021	-	-	-	-	
LC0022	-	-	-	-	
LC0023	0.539	0.081	-	-	
LC0024	-	-	-	-	

Characteristics of parameter

	all results	without outliners	Unit
Mean ± CI (99%)	0.504 ± 0.153	-	µg/l
Minimum	0.362	0.362	µg/l
Maximum	0.634	0.634	µg/l
Standard deviation	0.114	-	µg/l
rel. Standard deviation	22.7	-	%
n	5	5	-

Graphical presentation of results

Results



Parameter oriented report

H91 B

Clopyralid

Unit	µg/l
Mean ± Cl (99%)	-
Minimum - Maximum	0.8 - 0.97
Check value ± U	0.79 ± 0.1

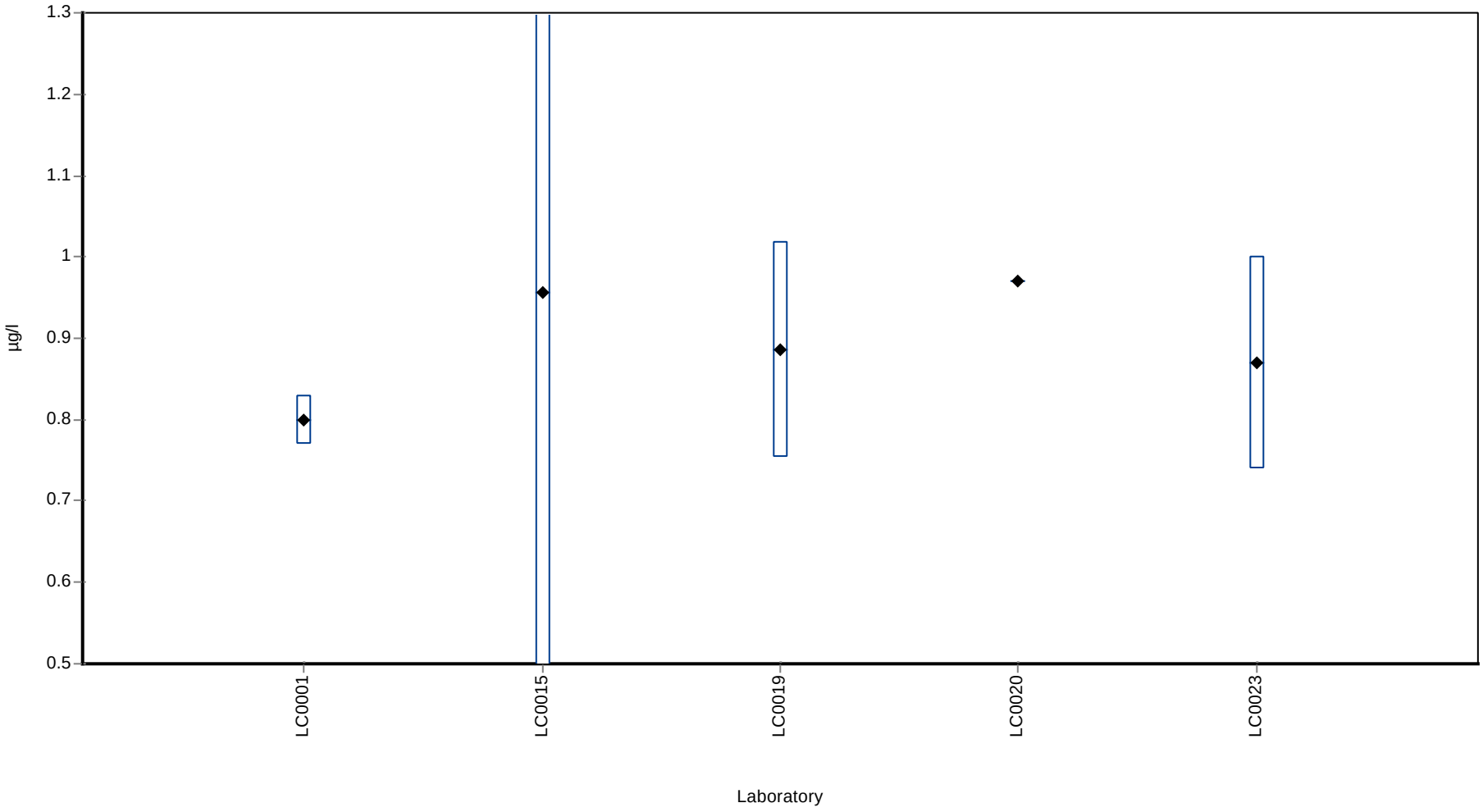
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.800	0.030	-	-	
LC0002	-	-	-	-	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	-	-	-	-	
LC0006	-	-	-	-	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	-	-	-	-	
LC0010	-	-	-	-	
LC0011	-	-	-	-	
LC0012	-	-	-	-	
LC0013	-	-	-	-	
LC0014	-	-	-	-	
LC0015	0.957	50.000	-	-	
LC0016	-	-	-	-	
LC0017	-	-	-	-	
LC0018	-	-	-	-	
LC0019	0.886	0.133	-	-	
LC0020	0.970	-	-	-	
LC0021	-	-	-	-	
LC0022	-	-	-	-	
LC0023	0.870	0.131	-	-	
LC0024	-	-	-	-	

Characteristics of parameter

	all results	without outliners	Unit
Mean ± Cl (99%)	0.897 ± 0.0929	-	µg/l
Minimum	0.8	0.8	µg/l
Maximum	0.97	0.97	µg/l
Standard deviation	0.0693	-	µg/l
rel. Standard deviation	7.72	-	%
n	5	5	-

Graphical presentation of results

Results



Parameter oriented report

H91 A

Dimethenamide

Unit	µg/l
Mean ± Cl (99%)	-
Minimum - Maximum	-
Check value ± U	< 0.025 (LOD)

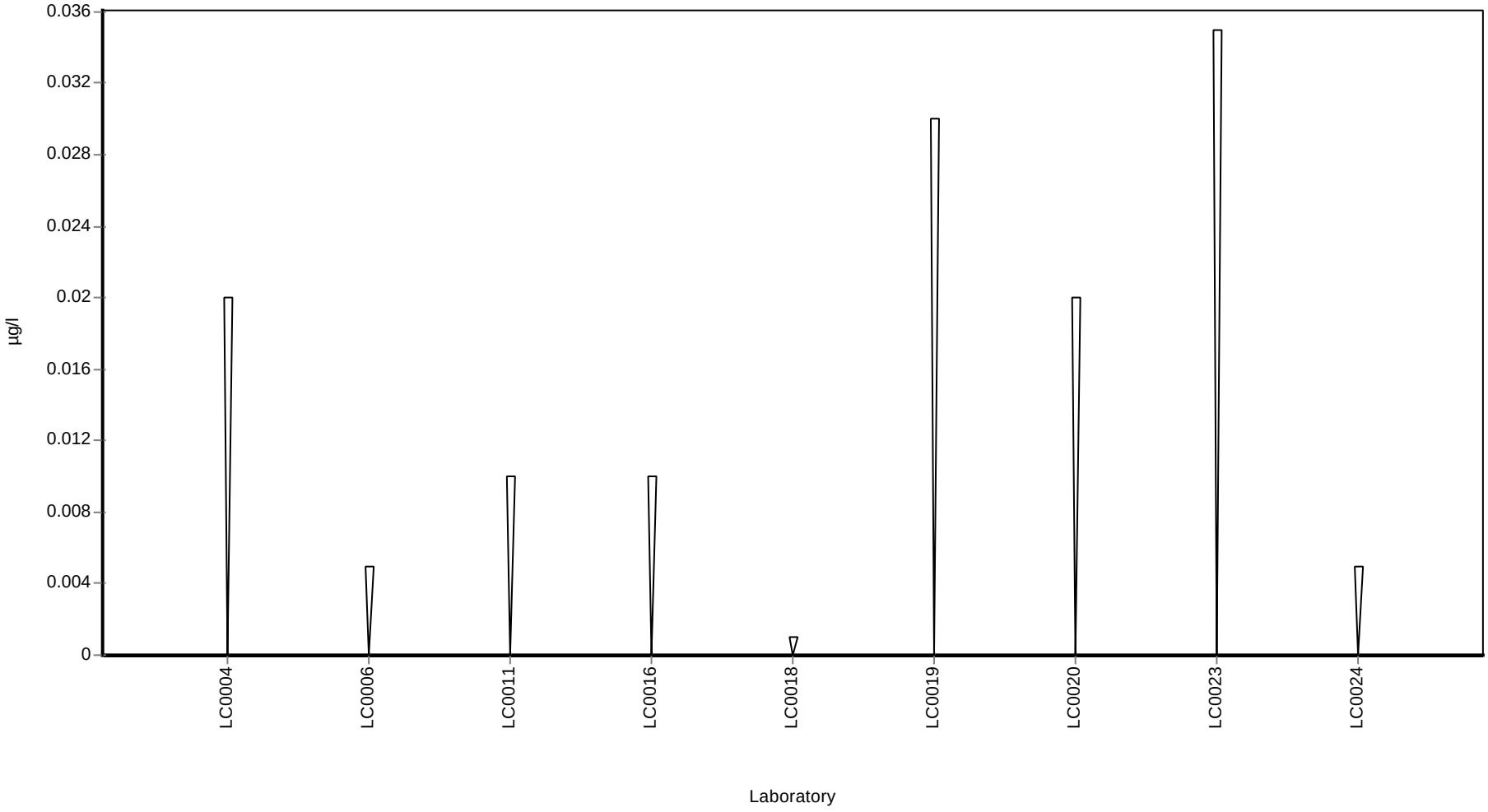
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	-	-	-	-	
LC0004	< 0.02 (LOQ)	-	-	-	
LC0005	-	-	-	-	
LC0006	<0.005 (LOD)	-	-	-	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	-	-	-	-	
LC0010	-	-	-	-	
LC0011	< 0.01 (LOQ)	-	-	-	
LC0012	-	-	-	-	
LC0013	-	-	-	-	
LC0014	-	-	-	-	
LC0015	-	-	-	-	
LC0016	< 0.01 (LOQ)	-	-	-	
LC0017	-	-	-	-	
LC0018	<0.001 (LOD)	-	-	-	
LC0019	< 0.03 (LOQ)	-	-	-	
LC0020	<0.02 (LOD)	-	-	-	
LC0021	-	-	-	-	
LC0022	-	-	-	-	
LC0023	< 0.035 (LOQ)	-	-	-	
LC0024	< 0.005 (LOQ)	-	-	-	

Characteristics of parameter

	all results	without outliners	Unit
Mean ± Cl (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

H91 B

Dimethenamide

Unit	µg/l
Mean ± Cl (99%)	0.523 ± 0.0591
Minimum - Maximum	0.449 - 0.645
Check value ± U	0.47 ± 0.022

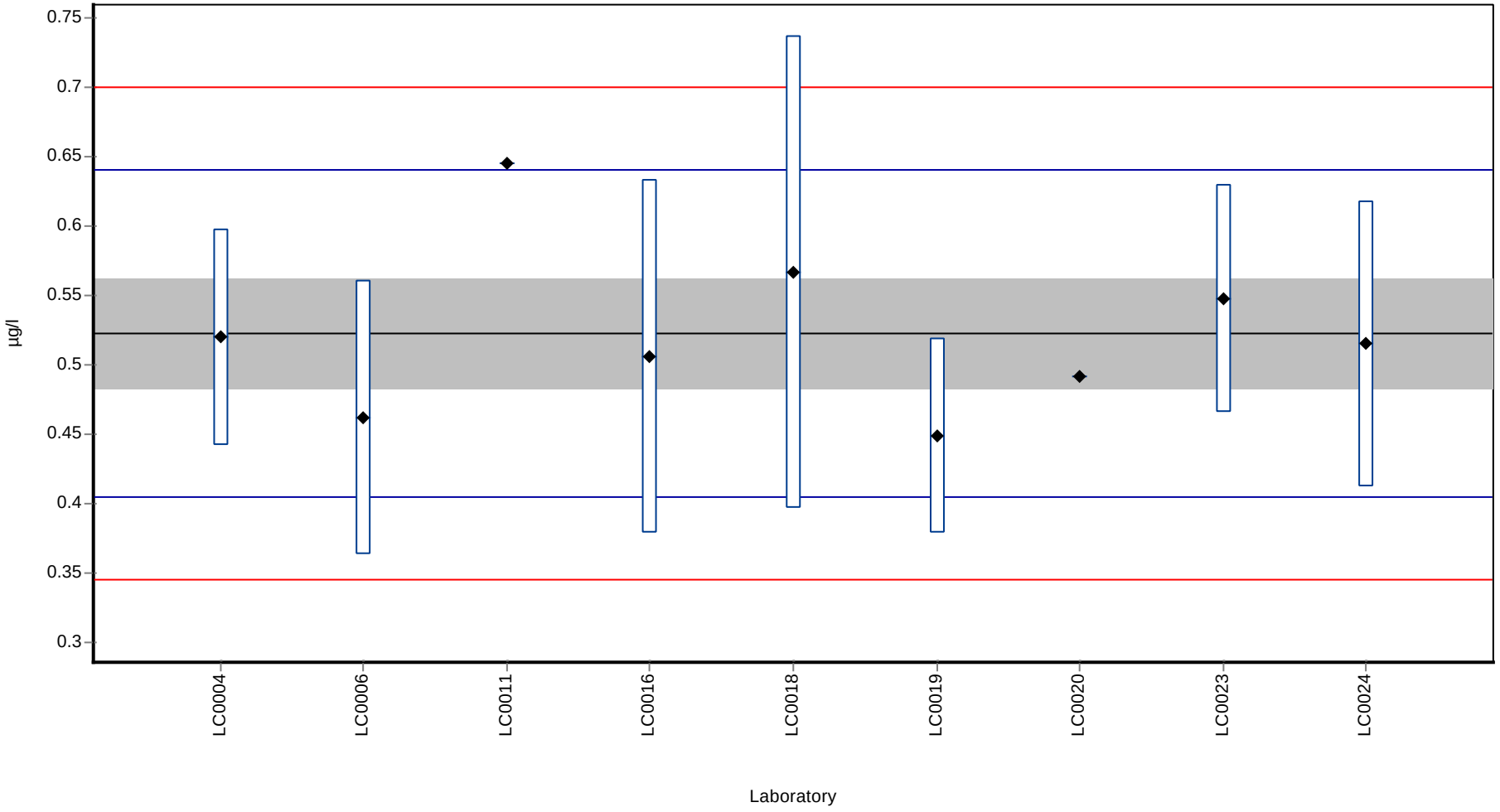
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	-	-	-	-	
LC0004	0.520	0.078	99.5	0.0	
LC0005	-	-	-	-	
LC0006	0.462	0.099	88.4	-1.0	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	-	-	-	-	
LC0010	-	-	-	-	
LC0011	0.645	-	123.4	2.1	
LC0012	-	-	-	-	
LC0013	-	-	-	-	
LC0014	-	-	-	-	
LC0015	-	-	-	-	
LC0016	0.506	0.127	96.8	-0.3	
LC0017	-	-	-	-	
LC0018	0.567	0.170	108.5	0.7	
LC0019	0.449	0.070	85.9	-1.2	
LC0020	0.492	-	94.1	-0.5	
LC0021	-	-	-	-	
LC0022	-	-	-	-	
LC0023	0.548	0.082	104.8	0.4	
LC0024	0.515	0.103	98.5	-0.1	

Characteristics of parameter

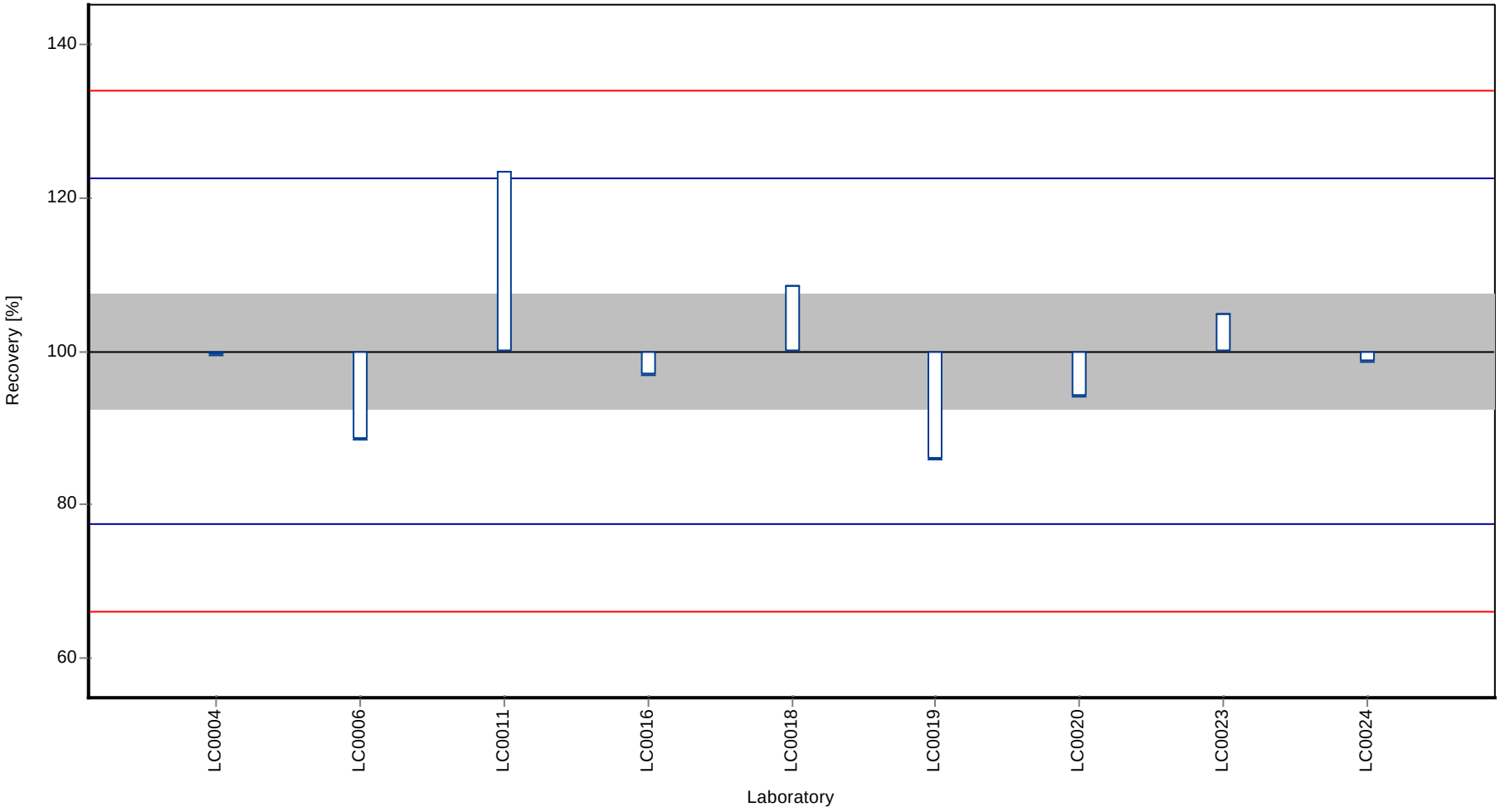
	all results	without outliners	Unit
Mean ± Cl (99%)	0.523 ± 0.0591	0.523 ± 0.0591	µg/l
Minimum	0.449	0.449	µg/l
Maximum	0.645	0.645	µg/l
Standard deviation	0.0591	0.0591	µg/l
rel. Standard deviation	11.3	11.3	%
n	9	9	-

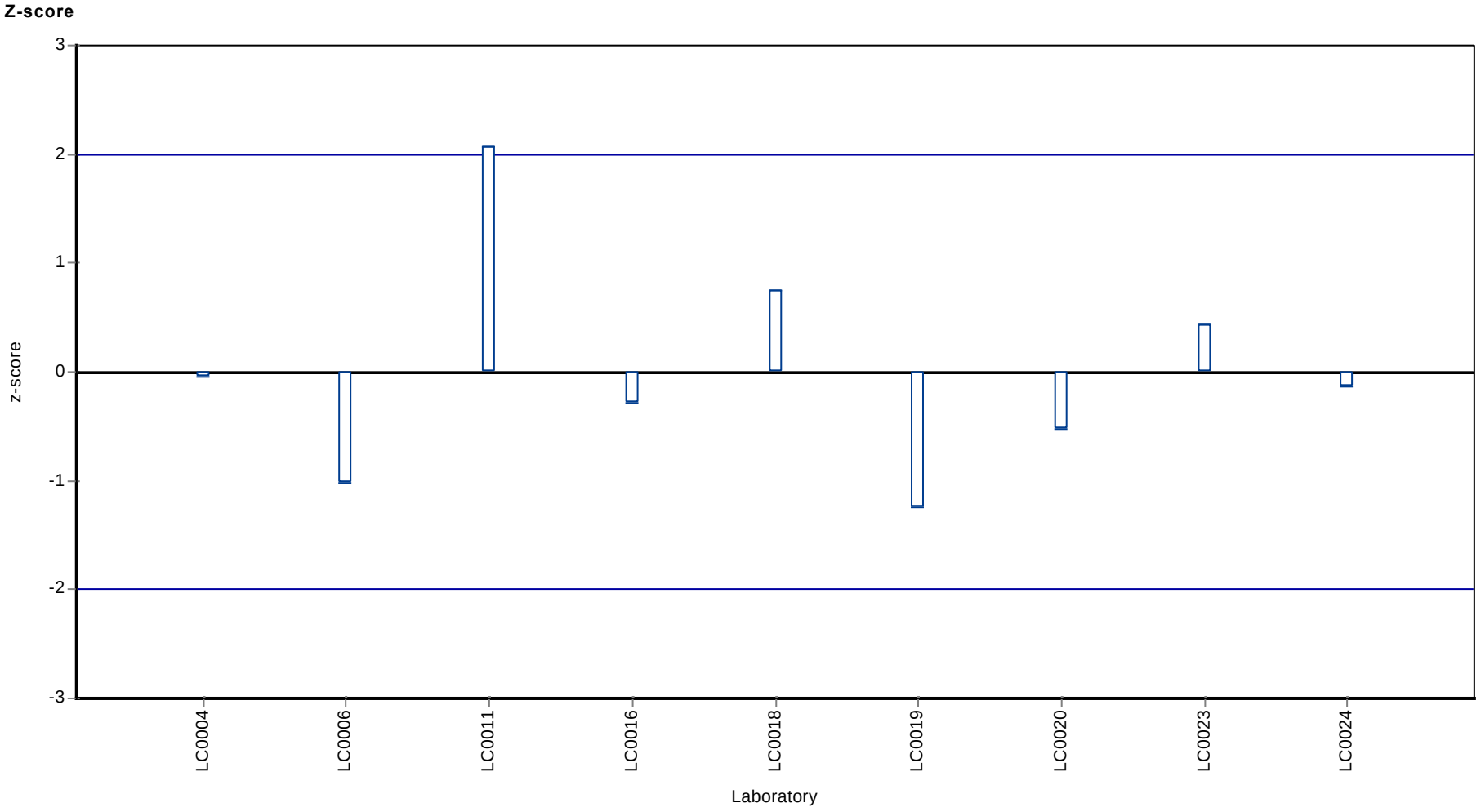
Graphical presentation of results

Results



Recovery rate




Z-score
3
2
1
0
-1
-2
-3
z-score
LC0004
LC0006
LC0011
LC0016
LC0018
LC0019
LC0020
LC0023
LC0024
Laboratory

8 Laboratory oriented report

The laboratory oriented report is sorted by laboratory code.

The following results were achieved:

Sample: H91A

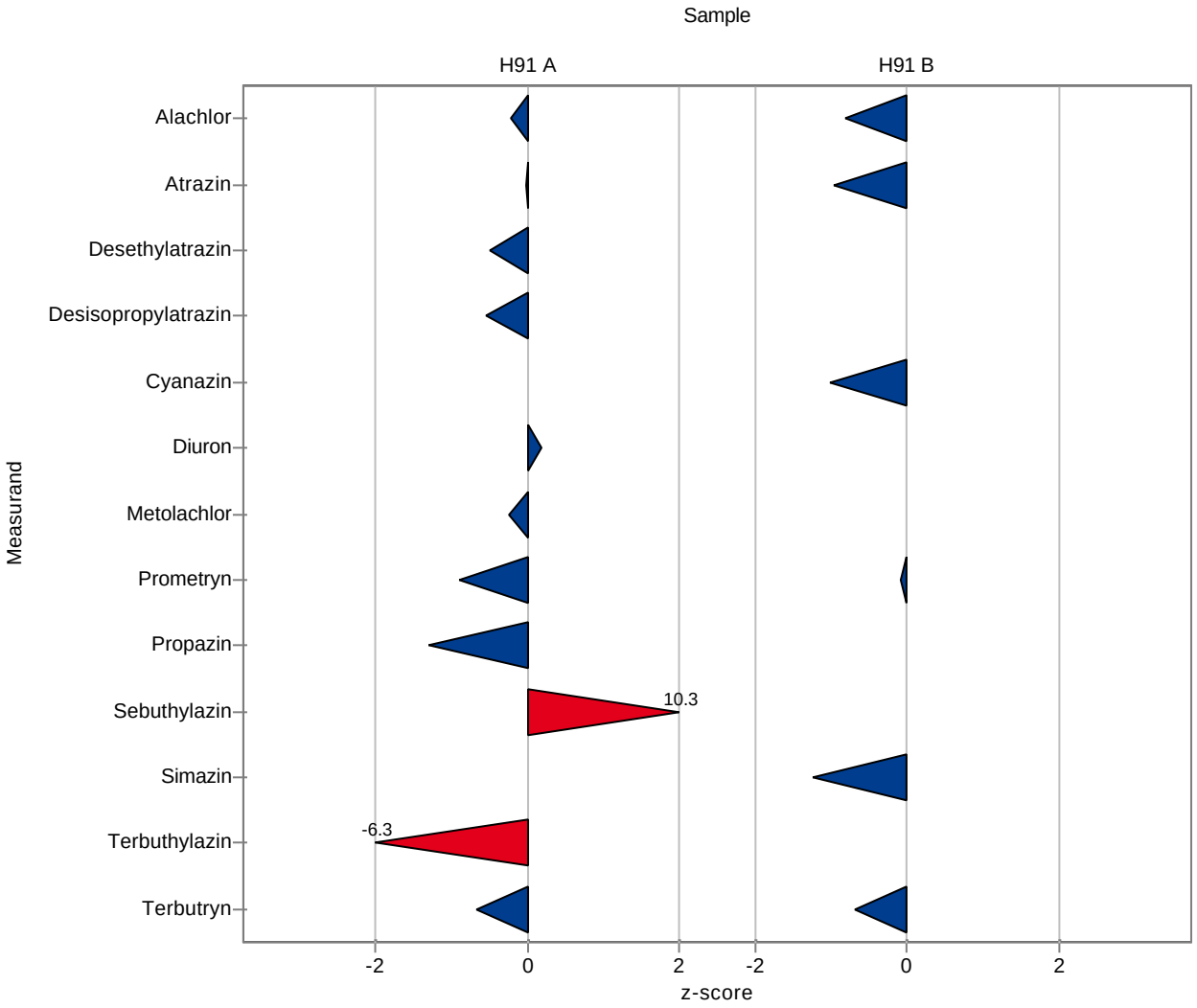
Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
2,6-Dichlorbenzamid	µg/l	0.312	± 0.039	-	-	0.0536	-	-
Alachlor	µg/l	0.492	± 0.042	0.48	0.02	0.0542	97.5	-0.23
Atrazin	µg/l	0.26	± 0.0159	0.26	0.01	0.0243	99.8	-0.02
Desethylatrazin	µg/l	0.135	± 0.00714	0.13	0.02	0.00981	96.4	-0.49
Desethylterbuthylazin	µg/l	0.299	± 0.017	-	-	0.0219	-	-
Desisopropylatrazin	µg/l	0.0859	± 0.0115	0.077	0.01	0.0163	89.6	-0.55
Bromacil	µg/l	0.7	± 0.126	-	-	0.139	-	-
Cyanazin	µg/l	-	± -	<0.01 (LOQ)	-	-	-	-
Diuron	µg/l	0.0857	± 0.00565	0.087	0.008	0.00753	101.6	0.18
Metolachlor	µg/l	0.113	± 0.0105	0.11	0.01	0.014	97.1	-0.24
Prometryn	µg/l	0.498	± 0.0272	0.47	0.02	0.0314	94.3	-0.91
Propazin	µg/l	0.0869	± 0.00613	0.075	0.005	0.00915	86.4	-1.30
Sebuthylazin	µg/l	0.0836	± 0.00641	0.16	0.01	0.0074	191.4	10.32
Simazin	µg/l	-	± -	<0.01 (LOQ)	-	-	-	-
Terbuthylazin	µg/l	0.17	± 0.0101	0.078	-	0.0147	45.8	-6.29
Terbutryn	µg/l	0.569	± 0.0411	0.53	0.02	0.0581	93.1	-0.67
Chloridazon	µg/l	0.231	± 0.0274	-	-	0.0317	-	-
Desphenylchloridazon	µg/l	0.171	± 0.0156	-	-	0.0147	-	-
Methyldesphenylchloridazon	µg/l	0.0764	± 0.012	-	-	0.0133	-	-
Desethyldesisopropylatrazin	µg/l	-	± -	-	-	-	-	-
Nicosulfuron	µg/l	-	± -	-	-	-	-	-
Dimethylsulfonamid	µg/l	0.517	± 0.0303	-	-	0.0267	-	-
Clopyralid	µg/l	-	± -	0.41	0.02	-	-	-
Dimethenamid	µg/l	-	± -	-	-	-	-	-

Sample: H91B

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
2,6-Dichlorbenzamid	µg/l	0.834	± 0.0949	-	-	0.127	-	-
Alachlor	µg/l	0.848	± 0.0638	0.78	0.03	0.0824	92.0	-0.82
Atrazin	µg/l	0.804	± 0.0575	0.72	0.02	0.0878	89.6	-0.95
Desethylatrazin	µg/l	0.0104	± 0.00177	<0.01 (LOQ)	-	0.00144	-	-
Desethylterbuthylazin	µg/l	-	± -	-	-	-	-	-
Desisopropylatrazin	µg/l	-	± -	<0.02 (LOQ)	-	-	-	-
Bromacil	µg/l	0.405	± 0.0484	-	-	0.051	-	-
Cyanazin	µg/l	0.208	± 0.0194	0.18	0.02	0.0274	86.5	-1.03

Summary of results Pestizide H91 Laborcode: LC0001

Parameter	Unit	Target	±	CI(99%)	Result	± U	Criteria	Recovery	z-score
Diuron	µg/l	-	±	-	<0.02 (LOQ)	-	-	-	-
Metolachlor	µg/l	-	±	-	<0.02 (LOQ)	-	-	-	-
Prometryn	µg/l	0.384	±	0.0401	0.38	0.02	0.0482	99.0	-0.08
Propazin	µg/l	-	±	-	<0.01 (LOQ)	-	-	-	-
Sebuthylazin	µg/l	-	±	-	<0.01 (LOQ)	-	-	-	-
Simazin	µg/l	0.236	±	0.0151	0.21	0.01	0.0214	88.9	-1.23
Terbuthylazin	µg/l	-	±	-	<0.01 (LOQ)	-	-	-	-
Terbutryn	µg/l	0.411	±	0.0323	0.38	0.02	0.0456	92.4	-0.69
Chloridazon	µg/l	0.74	±	0.105	-	-	0.121	-	-
Desphenylchloridazon	µg/l	0.714	±	0.075	-	-	0.0661	-	-
Methyldesphenylchloridazon	µg/l	0.0279	±	0.00994	-	-	0.00877	-	-
Desethyldesisopropylatrazin	µg/l	-	±	-	-	-	-	-	-
Nicosulfuron	µg/l	-	±	-	-	-	-	-	-
Dimethylsulfonamid	µg/l	-	±	-	-	-	-	-	-
Clopyralid	µg/l	-	±	-	0.8	0.03	-	-	-
Dimethenamid	µg/l	0.523	±	0.0591	-	-	0.0591	-	-


Sample
H91 A
H91 B
Measurand
Alachlor
Atrazin
Desethylatrazin
Desisopropylatrazin
Cyanazin
Diuron
Metolachlor
Prometryn
Propazin
Sebuthylazin
Simazin
Terbuthylazin
Terbutryn
10.3
-6.3
-2
0
2
-2
0
2
z-score

The following results were achieved:

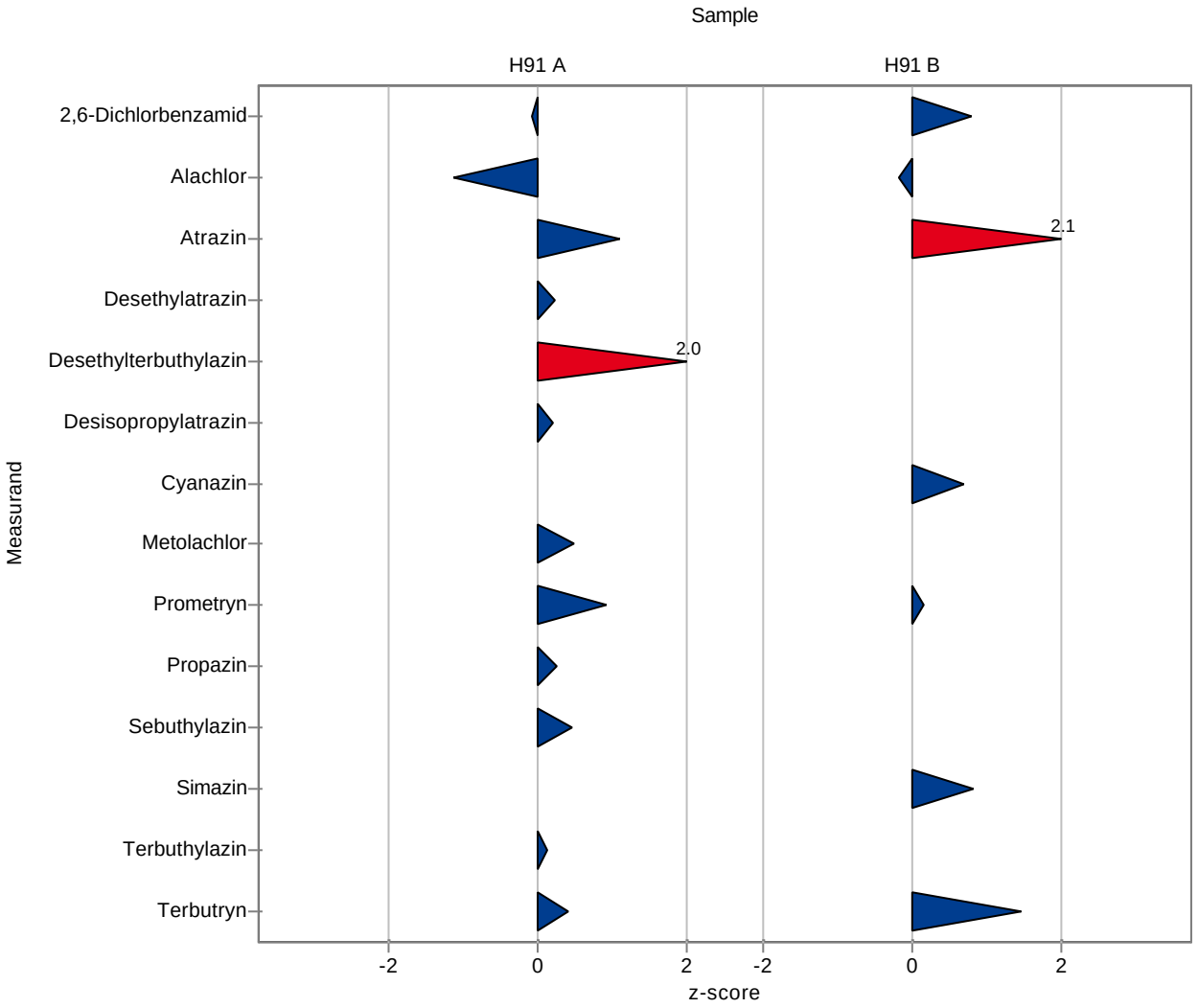
Sample: H91A

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
2,6-Dichlorbenzamid	µg/l	0.312	± 0.039	0.308	0.0094	0.0536	98.6	-0.08
Alachlor	µg/l	0.492	± 0.042	0.431	0.0176	0.0542	87.6	-1.13
Atrazin	µg/l	0.26	± 0.0159	0.287	0.0068	0.0243	110.2	1.09
Desethylatrazin	µg/l	0.135	± 0.00714	0.137	0.0099	0.00981	101.6	0.22
Desethylterbuthylazin	µg/l	0.299	± 0.017	0.344	0.01	0.0219	114.9	2.04
Desisopropylatrazin	µg/l	0.0859	± 0.0115	0.089	0.0087	0.0163	103.6	0.19
Bromacil	µg/l	0.7	± 0.126	-	-	0.139	-	-
Cyanazin	µg/l	-	± -	<0.03 (LOQ)	-	-	-	-
Diuron	µg/l	0.0857	± 0.00565	-	-	0.00753	-	-
Metolachlor	µg/l	0.113	± 0.0105	0.12	0.0147	0.014	105.9	0.48
Prometryn	µg/l	0.498	± 0.0272	0.527	0.0239	0.0314	105.7	0.91
Propazin	µg/l	0.0869	± 0.00613	0.089	0.0055	0.00915	102.5	0.24
Sebuthylazin	µg/l	0.0836	± 0.00641	0.087	0.0068	0.0074	104.1	0.46
Simazin	µg/l	-	± -	<0.03 (LOQ)	-	-	-	-
Terbuthylazin	µg/l	0.17	± 0.0101	0.172	0.0074	0.0147	100.9	0.11
Terbutryn	µg/l	0.569	± 0.0411	0.592	0.0304	0.0581	104.0	0.39
Chloridazon	µg/l	0.231	± 0.0274	-	-	0.0317	-	-
Desphenylchloridazon	µg/l	0.171	± 0.0156	-	-	0.0147	-	-
Methyldesphenylchloridazon	µg/l	0.0764	± 0.012	-	-	0.0133	-	-
Desethyldesisopropylatrazin	µg/l	-	± -	-	-	-	-	-
Nicosulfuron	µg/l	-	± -	-	-	-	-	-
Dimethylsulfonamid	µg/l	0.517	± 0.0303	-	-	0.0267	-	-
Clopyralid	µg/l	-	± -	-	-	-	-	-
Dimethenamid	µg/l	-	± -	-	-	-	-	-

Sample: H91B

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
2,6-Dichlorbenzamid	µg/l	0.834	± 0.0949	0.937	0.0135	0.127	112.3	0.81
Alachlor	µg/l	0.848	± 0.0638	0.833	0.0226	0.0824	98.3	-0.18
Atrazin	µg/l	0.804	± 0.0575	0.988	0.0101	0.0878	122.9	2.10
Desethylatrazin	µg/l	0.0104	± 0.00177	<0.03 (LOQ)	-	0.00144	-	-
Desethylterbuthylazin	µg/l	-	± -	<0.03 (LOQ)	-	-	-	-
Desisopropylatrazin	µg/l	-	± -	<0.03 (LOQ)	-	-	-	-
Bromacil	µg/l	0.405	± 0.0484	-	-	0.051	-	-
Cyanazin	µg/l	0.208	± 0.0194	0.227	0.0107	0.0274	109.1	0.69

Parameter	Unit	Target	±	CI(99%)	Result	± U	Criteria	Recovery	z-score
Diuron	µg/l	-	±	-	-	-	-	-	-
Metolachlor	µg/l	-	±	-	<0.03 (LOQ)	-	-	-	-
Prometryn	µg/l	0.384	±	0.0401	0.392	0.0225	0.0482	102.1	0.17
Propazin	µg/l	-	±	-	<0.03 (LOQ)	-	-	-	-
Sebuthylazin	µg/l	-	±	-	<0.03 (LOQ)	-	-	-	-
Simazin	µg/l	0.236	±	0.0151	0.254	0.0088	0.0214	107.5	0.83
Terbuthylazin	µg/l	-	±	-	<0.03 (LOQ)	-	-	-	-
Terbutryn	µg/l	0.411	±	0.0323	0.478	0.0285	0.0456	116.2	1.46
Chloridazon	µg/l	0.74	±	0.105	-	-	0.121	-	-
Desphenylchloridazon	µg/l	0.714	±	0.075	-	-	0.0661	-	-
Methyldesphenylchloridazon	µg/l	0.0279	±	0.00994	-	-	0.00877	-	-
Desethyldesisopropylatrazin	µg/l	-	±	-	-	-	-	-	-
Nicosulfuron	µg/l	-	±	-	-	-	-	-	-
Dimethylsulfonamid	µg/l	-	±	-	-	-	-	-	-
Clopyralid	µg/l	-	±	-	-	-	-	-	-
Dimethenamid	µg/l	0.523	±	0.0591	-	-	0.0591	-	-


Sample
H91 A
H91 B
2,6-Dichlorbenzamid
Alachlor
Atrazin
Desethylatrazin
Desethylterbuthylazin
Desisopropylatrazin
Cyanazin
Metolachlor
Prometryn
Propazin
Sebuthylazin
Simazin
Terbuthylazin
Terbutryn
Measurand
2.0
2.1
-2
0
2
-2
0
2
z-score

The following results were achieved:

Sample: H91A

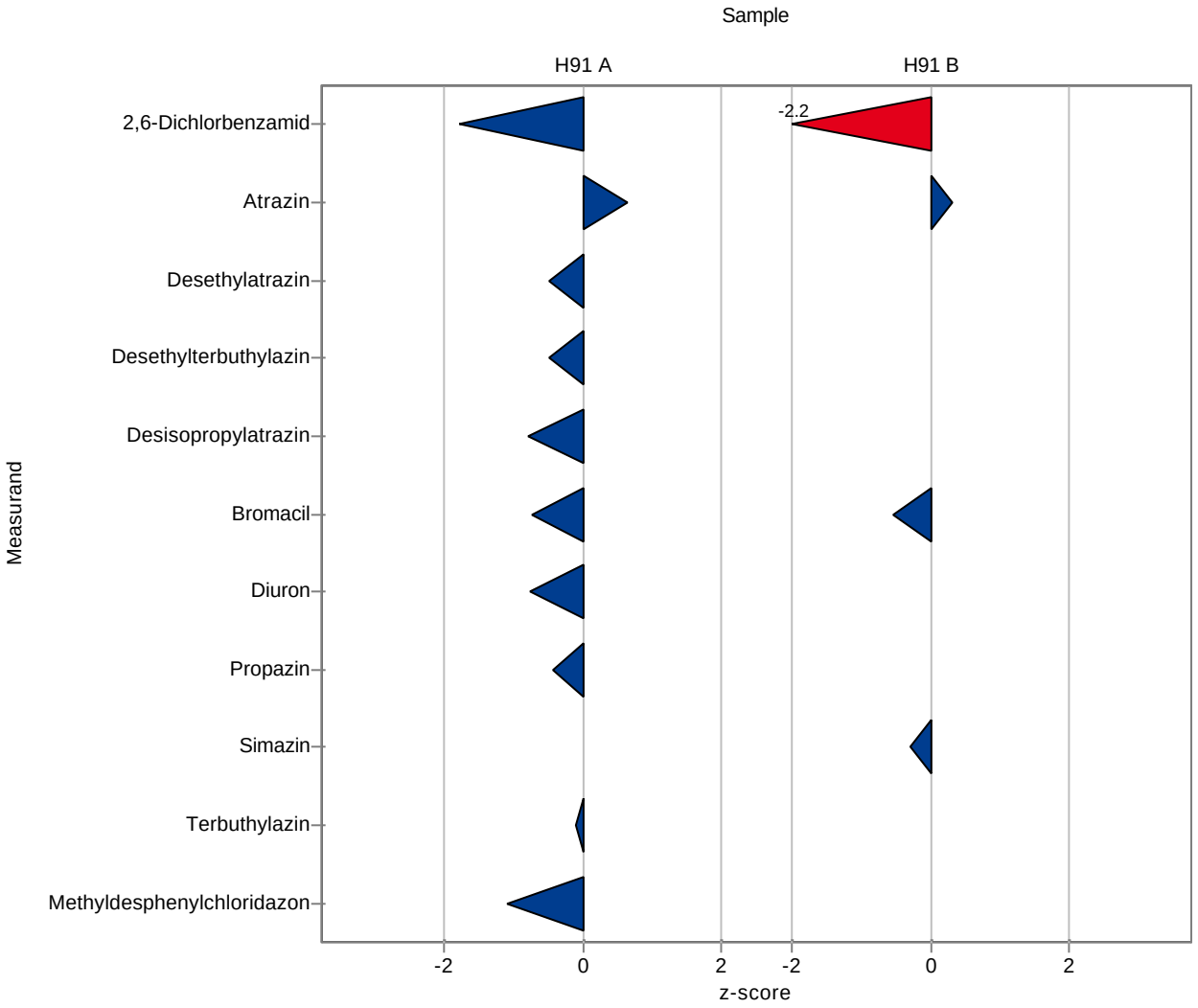
Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
2,6-Dichlorbenzamid	µg/l	0.312	± 0.039	0.217	0.012	0.0536	69.5	-1.78
Alachlor	µg/l	0.492	± 0.042	-	-	0.0542	-	-
Atrazin	µg/l	0.26	± 0.0159	0.276	0.01	0.0243	106.0	0.64
Desethylatrazin	µg/l	0.135	± 0.00714	0.13	0.012	0.00981	96.4	-0.49
Desethylterbuthylazin	µg/l	0.299	± 0.017	0.289	0.015	0.0219	96.6	-0.47
Desisopropylatrazin	µg/l	0.0859	± 0.0115	0.073	0.01	0.0163	85.0	-0.79
Bromacil	µg/l	0.7	± 0.126	0.598	0.01	0.139	85.5	-0.73
Cyanazin	µg/l	-	± -	-	-	-	-	-
Diuron	µg/l	0.0857	± 0.00565	0.08	0.01	0.00753	93.4	-0.75
Metolachlor	µg/l	0.113	± 0.0105	-	-	0.014	-	-
Prometryn	µg/l	0.498	± 0.0272	-	-	0.0314	-	-
Propazin	µg/l	0.0869	± 0.00613	0.083	0.01	0.00915	95.6	-0.42
Sebuthylazin	µg/l	0.0836	± 0.00641	-	-	0.0074	-	-
Simazin	µg/l	-	± -	<0.025 (LOQ)	-	-	-	-
Terbuthylazin	µg/l	0.17	± 0.0101	0.169	0.01	0.0147	99.1	-0.10
Terbutryn	µg/l	0.569	± 0.0411	-	-	0.0581	-	-
Chloridazon	µg/l	0.231	± 0.0274	-	-	0.0317	-	-
Desphenylchloridazon	µg/l	0.171	± 0.0156	-	-	0.0147	-	-
Methyldesphenylchloridazon	µg/l	0.0764	± 0.012	0.062	0.01	0.0133	81.2	-1.08
Desethyldesisopropylatrazin	µg/l	-	± -	-	-	-	-	-
Nicosulfuron	µg/l	-	± -	-	-	-	-	-
Dimethylsulfonamid	µg/l	0.517	± 0.0303	-	-	0.0267	-	-
Clopyralid	µg/l	-	± -	-	-	-	-	-
Dimethenamid	µg/l	-	± -	-	-	-	-	-

Sample: H91B

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
2,6-Dichlorbenzamid	µg/l	0.834	± 0.0949	0.559	0.012	0.127	67.0	-2.17
Alachlor	µg/l	0.848	± 0.0638	-	-	0.0824	-	-
Atrazin	µg/l	0.804	± 0.0575	0.831	0.01	0.0878	103.4	0.31
Desethylatrazin	µg/l	0.0104	± 0.00177	<0.025 (LOQ)	-	0.00144	-	-
Desethylterbuthylazin	µg/l	-	± -	<0.025 (LOQ)	-	-	-	-
Desisopropylatrazin	µg/l	-	± -	<0.025 (LOQ)	-	-	-	-
Bromacil	µg/l	0.405	± 0.0484	0.378	0.01	0.051	93.2	-0.54
Cyanazin	µg/l	0.208	± 0.0194	-	-	0.0274	-	-

Summary of results Pestizide H91 Laborcode: LC0003

Parameter	Unit	Target	±	CI(99%)	Result	± U	Criteria	Recovery	z-score
Diuron	µg/l	-	±	-	<0.025 (LOQ)	-	-	-	-
Metolachlor	µg/l	-	±	-	-	-	-	-	-
Prometryn	µg/l	0.384	±	0.0401	-	-	0.0482	-	-
Propazin	µg/l	-	±	-	<0.025 (LOQ)	-	-	-	-
Sebuthylazin	µg/l	-	±	-	-	-	-	-	-
Simazin	µg/l	0.236	±	0.0151	0.23	0.01	0.0214	97.4	-0.29
Terbuthylazin	µg/l	-	±	-	<0.025 (LOQ)	-	-	-	-
Terbutryn	µg/l	0.411	±	0.0323	-	-	0.0456	-	-
Chloridazon	µg/l	0.74	±	0.105	-	-	0.121	-	-
Desphenylchloridazon	µg/l	0.714	±	0.075	-	-	0.0661	-	-
Methyldesphenylchloridazon	µg/l	0.0279	±	0.00994	<0.025 (LOQ)	-	0.00877	-	-
Desethyldesisopropylatrazin	µg/l	-	±	-	-	-	-	-	-
Nicosulfuron	µg/l	-	±	-	-	-	-	-	-
Dimethylsulfonamid	µg/l	-	±	-	-	-	-	-	-
Clopyralid	µg/l	-	±	-	-	-	-	-	-
Dimethenamid	µg/l	0.523	±	0.0591	-	-	0.0591	-	-


Sample
H91 A
H91 B
2,6-Dichlorbenzamid
Atrazin
Desethylatrazin
Desethylterbuthylazin
Desisopropylatrazin
Bromacil
Diuron
Propazin
Simazin
Terbuthylazin
Methyldesphenylchloridazon
Measurand
-2.2
-2
0
2
-2
0
2
z-score

The following results were achieved:

Sample: H91A

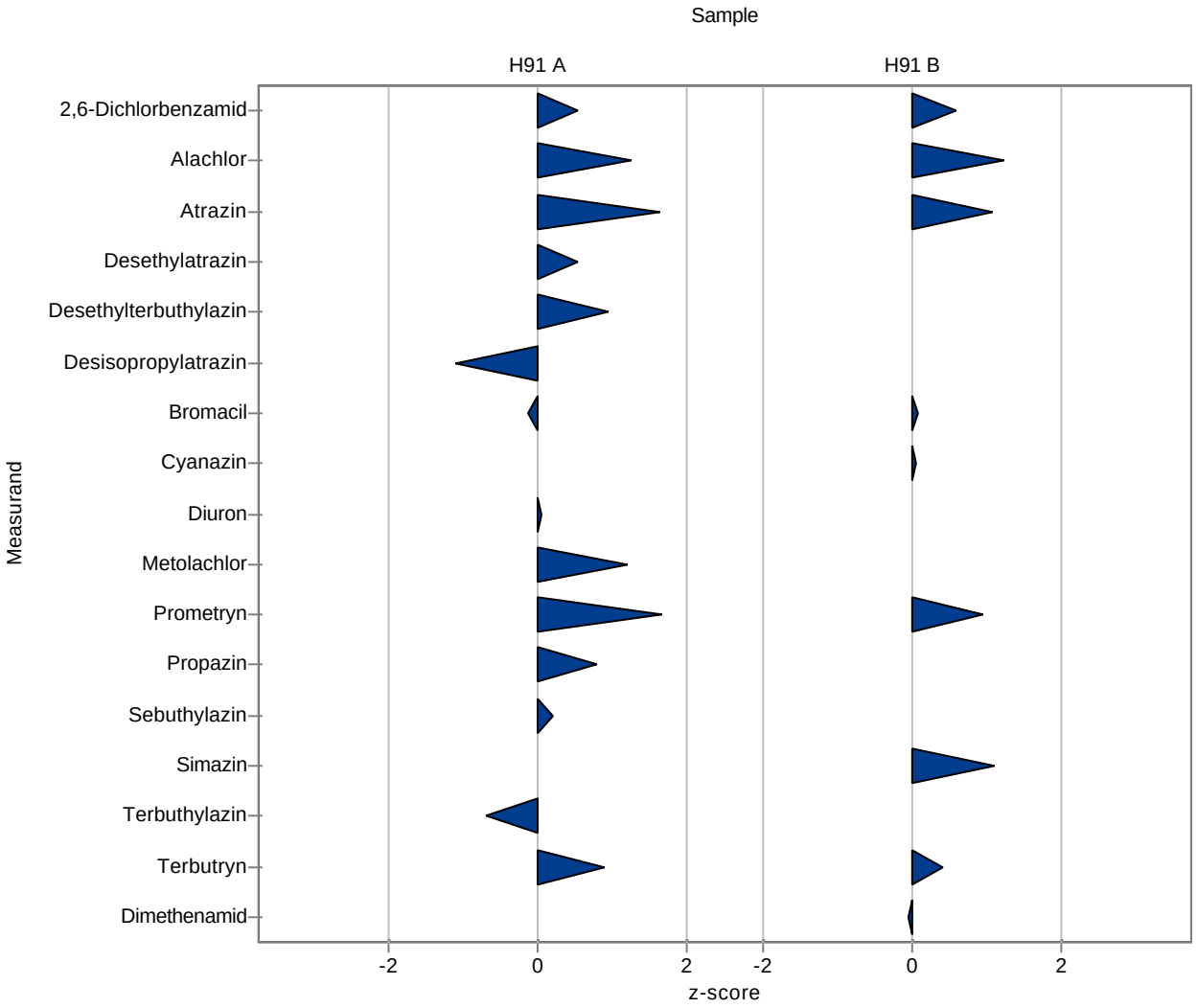
Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
2,6-Dichlorbenzamid	µg/l	0.312	± 0.039	0.34	0.085	0.0536	108.8	0.52
Alachlor	µg/l	0.492	± 0.042	0.56	0.11	0.0542	113.8	1.25
Atrazin	µg/l	0.26	± 0.0159	0.3	0.045	0.0243	115.2	1.63
Desethylatrazin	µg/l	0.135	± 0.00714	0.14	0.028	0.00981	103.8	0.53
Desethylterbuthylazin	µg/l	0.299	± 0.017	0.32	0.048	0.0219	106.9	0.95
Desisopropylatrazin	µg/l	0.0859	± 0.0115	0.068	0.017	0.0163	79.2	-1.10
Bromacil	µg/l	0.7	± 0.126	0.68	0.2	0.139	97.2	-0.14
Cyanazin	µg/l	-	± -	<0.015 (LOQ)	-	-	-	-
Diuron	µg/l	0.0857	± 0.00565	0.086	0.017	0.00753	100.4	0.04
Metolachlor	µg/l	0.113	± 0.0105	0.13	0.02	0.014	114.7	1.19
Prometryn	µg/l	0.498	± 0.0272	0.55	0.11	0.0314	110.3	1.64
Propazin	µg/l	0.0869	± 0.00613	0.094	0.014	0.00915	108.2	0.78
Sebuthylazin	µg/l	0.0836	± 0.00641	0.085	0.013	0.0074	101.7	0.19
Simazin	µg/l	-	± -	<0.01 (LOQ)	-	-	-	-
Terbuthylazin	µg/l	0.17	± 0.0101	0.16	0.024	0.0147	93.9	-0.71
Terbutryn	µg/l	0.569	± 0.0411	0.62	0.12	0.0581	108.9	0.88
Chloridazon	µg/l	0.231	± 0.0274	-	-	0.0317	-	-
Desphenylchloridazon	µg/l	0.171	± 0.0156	-	-	0.0147	-	-
Methyldesphenylchloridazon	µg/l	0.0764	± 0.012	-	-	0.0133	-	-
Desethyldesisopropylatrazin	µg/l	-	± -	-	-	-	-	-
Nicosulfuron	µg/l	-	± -	2.3	0.69	-	-	-
Dimethylsulfonamid	µg/l	0.517	± 0.0303	-	-	0.0267	-	-
Clopyralid	µg/l	-	± -	-	-	-	-	-
Dimethenamid	µg/l	-	± -	<0.02 (LOQ)	-	-	-	-

Sample: H91B

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
2,6-Dichlorbenzamid	µg/l	0.834	± 0.0949	0.91	0.23	0.127	109.1	0.60
Alachlor	µg/l	0.848	± 0.0638	0.95	0.19	0.0824	112.1	1.24
Atrazin	µg/l	0.804	± 0.0575	0.9	0.14	0.0878	112.0	1.10
Desethylatrazin	µg/l	0.0104	± 0.00177	<0.01 (LOQ)	-	0.00144	-	-
Desethylterbuthylazin	µg/l	-	± -	<0.01 (LOQ)	-	-	-	-
Desisopropylatrazin	µg/l	-	± -	<0.03 (LOQ)	-	-	-	-
Bromacil	µg/l	0.405	± 0.0484	0.41	0.12	0.051	101.1	0.09
Cyanazin	µg/l	0.208	± 0.0194	0.21	0.053	0.0274	100.9	0.07

Summary of results Pestizide H91 Laborcode: LC0004

Parameter	Unit	Target	±	CI(99%)	Result	± U	Criteria	Recovery	z-score
Diuron	µg/l	-	±	-	<0.02 (LOQ)	-	-	-	-
Metolachlor	µg/l	-	±	-	<0.01 (LOQ)	-	-	-	-
Prometryn	µg/l	0.384	±	0.0401	0.43	0.086	0.0482	112.0	0.96
Propazin	µg/l	-	±	-	<0.01 (LOQ)	-	-	-	-
Sebuthylazin	µg/l	-	±	-	<0.01 (LOQ)	-	-	-	-
Simazin	µg/l	0.236	±	0.0151	0.26	0.052	0.0214	110.1	1.11
Terbuthylazin	µg/l	-	±	-	<0.01 (LOQ)	-	-	-	-
Terbutryn	µg/l	0.411	±	0.0323	0.43	0.086	0.0456	104.5	0.41
Chloridazon	µg/l	0.74	±	0.105	-	-	0.121	-	-
Desphenylchloridazon	µg/l	0.714	±	0.075	-	-	0.0661	-	-
Methyldesphenylchloridazon	µg/l	0.0279	±	0.00994	-	-	0.00877	-	-
Desethyldesisopropylatrazin	µg/l	-	±	-	-	-	-	-	-
Nicosulfuron	µg/l	-	±	-	1.9	0.57	-	-	-
Dimethylsulfonamid	µg/l	-	±	-	-	-	-	-	-
Clopyralid	µg/l	-	±	-	-	-	-	-	-
Dimethenamid	µg/l	0.523	±	0.0591	0.52	0.078	0.0591	99.5	-0.05


Sample
H91 A
H91 B
2,6-Dichlorbenzamid
Alachlor
Atrazin
Desethylatrazin
Desethylterbuthylazin
Desisopropylatrazin
Bromacil
Cyanazin
Diuron
Metolachlor
Prometryn
Propazin
Sebuthylazin
Simazin
Terbuthylazin
Terbutryn
Dimethenamid
Measurand
-2
0
2
-2
0
2
z-score

The following results were achieved:

Sample: H91A

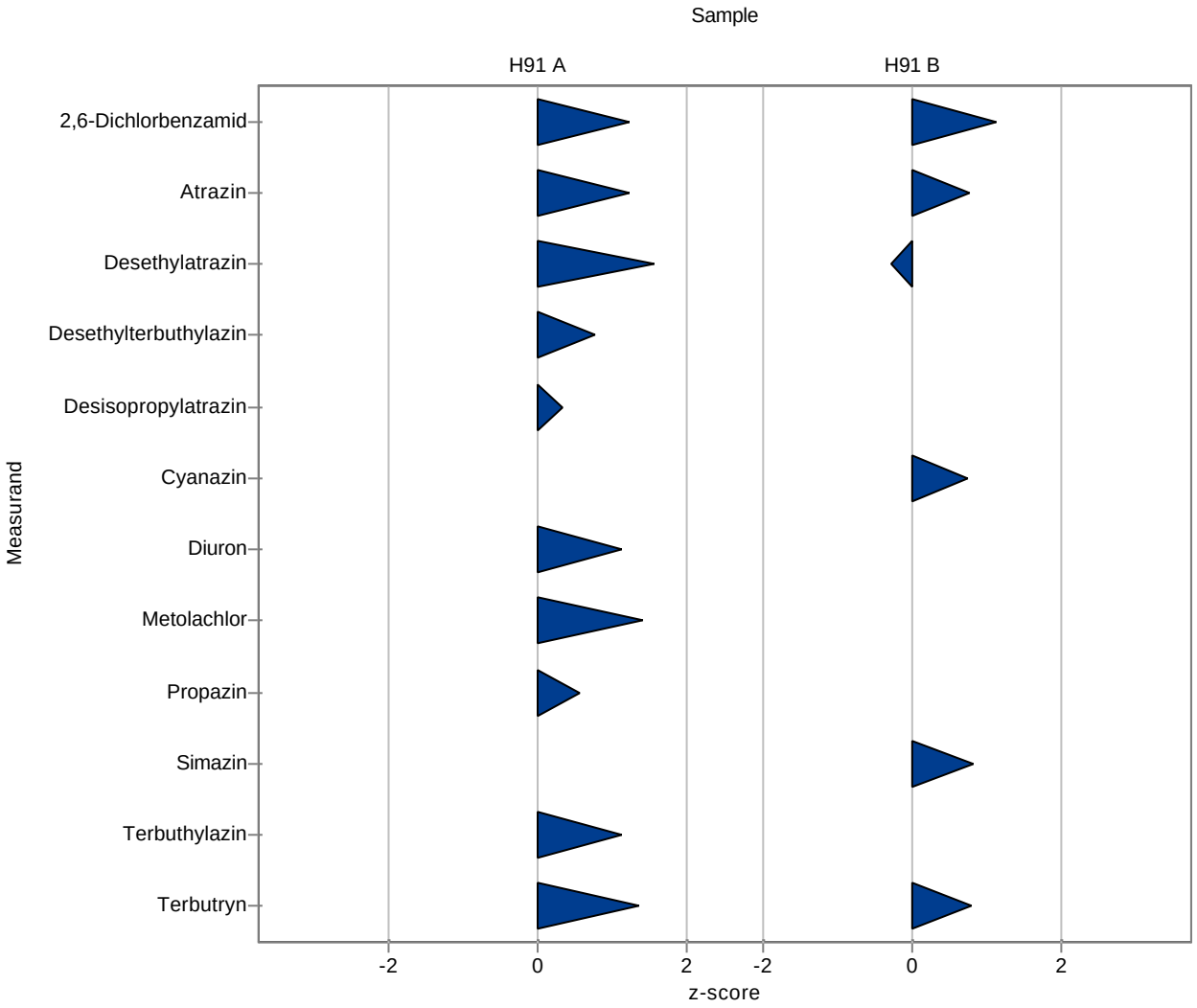
Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
2,6-Dichlorbenzamid	µg/l	0.312	± 0.039	0.378	0.083	0.0536	121.0	1.22
Alachlor	µg/l	0.492	± 0.042	-	-	0.0542	-	-
Atrazin	µg/l	0.26	± 0.0159	0.29	0.113	0.0243	111.3	1.21
Desethylatrazin	µg/l	0.135	± 0.00714	0.15	0.046	0.00981	111.3	1.55
Desethylterbuthylazin	µg/l	0.299	± 0.017	0.316	0.063	0.0219	105.6	0.76
Desisopropylatrazin	µg/l	0.0859	± 0.0115	0.091	0.016	0.0163	105.9	0.31
Bromacil	µg/l	0.7	± 0.126	-	-	0.139	-	-
Cyanazin	µg/l	-	± -	<0.005 (LOQ)	-	-	-	-
Diuron	µg/l	0.0857	± 0.00565	0.094	0.038	0.00753	109.7	1.11
Metolachlor	µg/l	0.113	± 0.0105	0.133	0.032	0.014	117.4	1.41
Prometryn	µg/l	0.498	± 0.0272	-	-	0.0314	-	-
Propazin	µg/l	0.0869	± 0.00613	0.092	0.023	0.00915	105.9	0.56
Sebuthylazin	µg/l	0.0836	± 0.00641	-	-	0.0074	-	-
Simazin	µg/l	-	± -	<0.005 (LOQ)	-	-	-	-
Terbuthylazin	µg/l	0.17	± 0.0101	0.187	0.039	0.0147	109.7	1.13
Terbutryn	µg/l	0.569	± 0.0411	0.647	0.129	0.0581	113.7	1.34
Chloridazon	µg/l	0.231	± 0.0274	-	-	0.0317	-	-
Desphenylchloridazon	µg/l	0.171	± 0.0156	-	-	0.0147	-	-
Methyldesphenylchloridazon	µg/l	0.0764	± 0.012	-	-	0.0133	-	-
Desethyldesisopropylatrazin	µg/l	-	± -	-	-	-	-	-
Nicosulfuron	µg/l	-	± -	-	-	-	-	-
Dimethylsulfonamid	µg/l	0.517	± 0.0303	-	-	0.0267	-	-
Clopyralid	µg/l	-	± -	-	-	-	-	-
Dimethenamid	µg/l	-	± -	-	-	-	-	-

Sample: H91B

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
2,6-Dichlorbenzamid	µg/l	0.834	± 0.0949	0.978	0.215	0.127	117.2	1.14
Alachlor	µg/l	0.848	± 0.0638	-	-	0.0824	-	-
Atrazin	µg/l	0.804	± 0.0575	0.872	0.34	0.0878	108.5	0.78
Desethylatrazin	µg/l	0.0104	± 0.00177	0.01	0.003	0.00144	96.2	-0.28
Desethylterbuthylazin	µg/l	-	± -	<0.005 (LOQ)	-	-	-	-
Desisopropylatrazin	µg/l	-	± -	<0.005 (LOQ)	-	-	-	-
Bromacil	µg/l	0.405	± 0.0484	-	-	0.051	-	-
Cyanazin	µg/l	0.208	± 0.0194	0.229	0.062	0.0274	110.0	0.76

Summary of results Pestizide H91 Laborcode: LC0005

Parameter	Unit	Target	±	CI(99%)	Result	± U	Criteria	Recovery	z-score
Diuron	µg/l	-	±	-	0.005	0.002	-	-	-
Metolachlor	µg/l	-	±	-	<0.005 (LOQ)	-	-	-	-
Prometryn	µg/l	0.384	±	0.0401	-	-	0.0482	-	-
Propazin	µg/l	-	±	-	0.01	0.002	-	-	-
Sebuthylazin	µg/l	-	±	-	-	-	-	-	-
Simazin	µg/l	0.236	±	0.0151	0.254	0.051	0.0214	107.5	0.83
Terbuthylazin	µg/l	-	±	-	0.005	0.001	-	-	-
Terbutryn	µg/l	0.411	±	0.0323	0.448	0.09	0.0456	108.9	0.80
Chloridazon	µg/l	0.74	±	0.105	-	-	0.121	-	-
Desphenylchloridazon	µg/l	0.714	±	0.075	-	-	0.0661	-	-
Methyldesphenylchloridazon	µg/l	0.0279	±	0.00994	-	-	0.00877	-	-
Desethyldesisopropylatrazin	µg/l	-	±	-	-	-	-	-	-
Nicosulfuron	µg/l	-	±	-	-	-	-	-	-
Dimethylsulfonamid	µg/l	-	±	-	-	-	-	-	-
Clopyralid	µg/l	-	±	-	-	-	-	-	-
Dimethenamid	µg/l	0.523	±	0.0591	-	-	0.0591	-	-


Sample
H91 A
H91 B
2,6-Dichlorbenzamid
Atrazin
Desethylatrazin
Desethylterbuthylazin
Desisopropylatrazin
Cyanazin
Diuron
Metolachlor
Propazin
Simazin
Terbuthylazin
Terbutryn
Measurand
-2
0
2
-2
0
2
z-score

The following results were achieved:

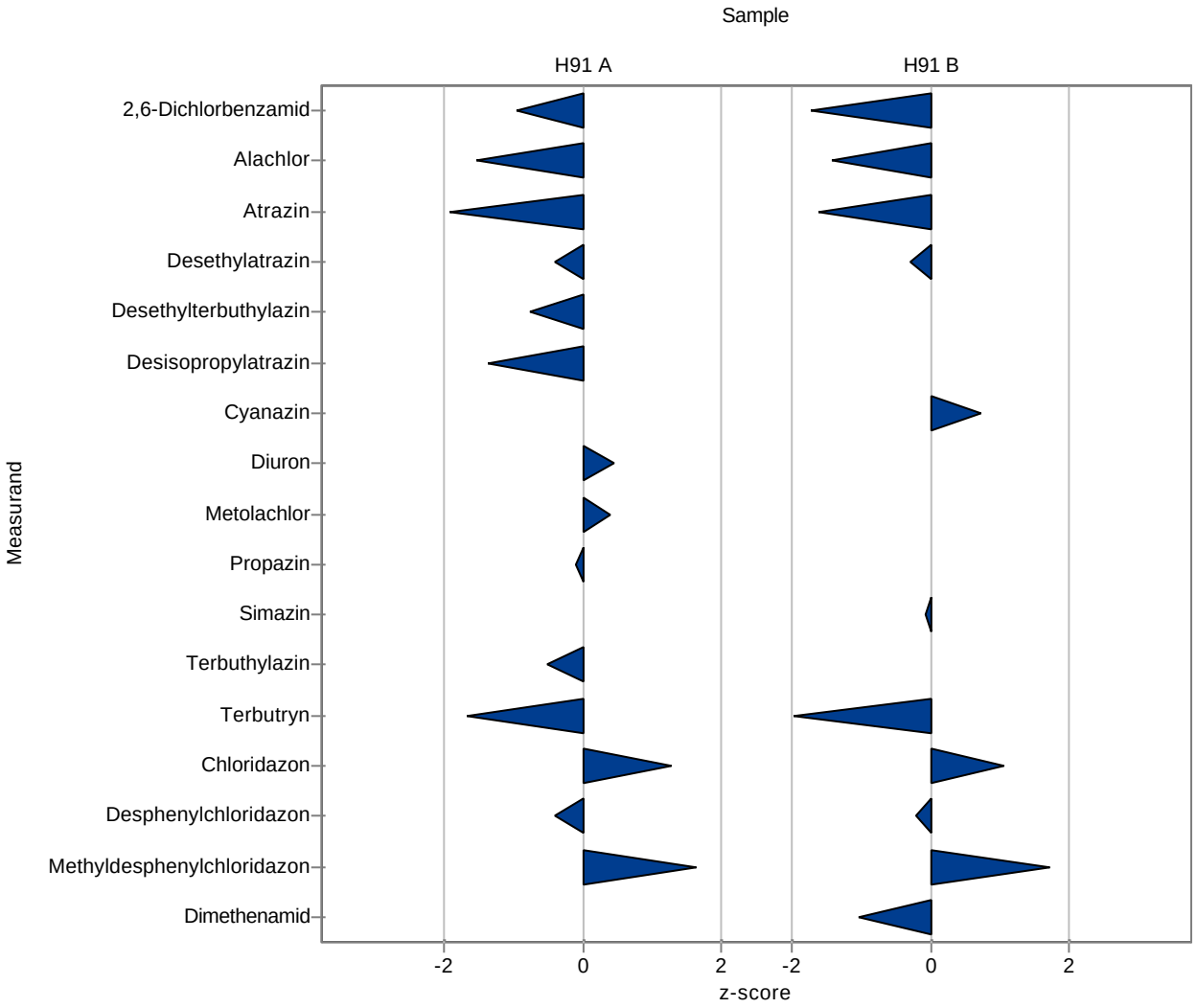
Sample: H91A

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
2,6-Dichlorbenzamid	µg/l	0.312	± 0.039	0.261	0.048	0.0536	83.6	-0.96
Alachlor	µg/l	0.492	± 0.042	0.409	0.088	0.0542	83.1	-1.54
Atrazin	µg/l	0.26	± 0.0159	0.214	0.046	0.0243	82.2	-1.91
Desethylatrazin	µg/l	0.135	± 0.00714	0.131	0.028	0.00981	97.2	-0.39
Desethylterbuthylazin	µg/l	0.299	± 0.017	0.283	0.061	0.0219	94.6	-0.74
Desisopropylatrazin	µg/l	0.0859	± 0.0115	0.064	0.014	0.0163	74.5	-1.35
Bromacil	µg/l	0.7	± 0.126	-	-	0.139	-	-
Cyanazin	µg/l	-	± -	<0.01 (LOD)	-	-	-	-
Diuron	µg/l	0.0857	± 0.00565	0.089	0.016	0.00753	103.9	0.44
Metolachlor	µg/l	0.113	± 0.0105	0.119	0.026	0.014	105.0	0.41
Prometryn	µg/l	0.498	± 0.0272	-	-	0.0314	-	-
Propazin	µg/l	0.0869	± 0.00613	0.086	0.018	0.00915	99.0	-0.09
Sebuthylazin	µg/l	0.0836	± 0.00641	-	-	0.0074	-	-
Simazin	µg/l	-	± -	<0.005 (LOD)	-	-	-	-
Terbuthylazin	µg/l	0.17	± 0.0101	0.163	0.035	0.0147	95.6	-0.51
Terbutryn	µg/l	0.569	± 0.0411	0.473	0.101	0.0581	83.1	-1.66
Chloridazon	µg/l	0.231	± 0.0274	0.271	0.043	0.0317	117.6	1.28
Desphenylchloridazon	µg/l	0.171	± 0.0156	0.165	0.04	0.0147	96.5	-0.41
Methyldesphenylchloridazon	µg/l	0.0764	± 0.012	0.098	0.023	0.0133	128.3	1.63
Desethyldesisopropylatrazin	µg/l	-	± -	-	-	-	-	-
Nicosulfuron	µg/l	-	± -	-	-	-	-	-
Dimethylsulfonamid	µg/l	0.517	± 0.0303	-	-	0.0267	-	-
Clopyralid	µg/l	-	± -	-	-	-	-	-
Dimethenamid	µg/l	-	± -	<0.005 (LOD)	-	-	-	-

Sample: H91B

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
2,6-Dichlorbenzamid	µg/l	0.834	± 0.0949	0.616	0.112	0.127	73.8	-1.72
Alachlor	µg/l	0.848	± 0.0638	0.731	0.156	0.0824	86.2	-1.41
Atrazin	µg/l	0.804	± 0.0575	0.662	0.142	0.0878	82.4	-1.61
Desethylatrazin	µg/l	0.0104	± 0.00177	0.01	0.002	0.00144	96.2	-0.28
Desethylterbuthylazin	µg/l	-	± -	<0.005 (LOD)	-	-	-	-
Desisopropylatrazin	µg/l	-	± -	<0.005 (LOD)	-	-	-	-
Bromacil	µg/l	0.405	± 0.0484	-	-	0.051	-	-
Cyanazin	µg/l	0.208	± 0.0194	0.228	0.031	0.0274	109.6	0.73

Parameter	Unit	Target	±	CI(99%)	Result	± U	Criteria	Recovery	z-score
Diuron	µg/l	-	±	-	<0.01 (LOD)	-	-	-	-
Metolachlor	µg/l	-	±	-	<0.005 (LOD)	-	-	-	-
Prometryn	µg/l	0.384	±	0.0401	-	-	0.0482	-	-
Propazin	µg/l	-	±	-	<0.005 (LOD)	-	-	-	-
Sebuthylazin	µg/l	-	±	-	-	-	-	-	-
Simazin	µg/l	0.236	±	0.0151	0.235	0.05	0.0214	99.5	-0.06
Terbuthylazin	µg/l	-	±	-	<0.005 (LOD)	-	-	-	-
Terbutryn	µg/l	0.411	±	0.0323	0.322	0.069	0.0456	78.3	-1.96
Chloridazon	µg/l	0.74	±	0.105	0.87	0.139	0.121	117.6	1.07
Desphenylchloridazon	µg/l	0.714	±	0.075	0.7	0.168	0.0661	98.0	-0.22
Methyldesphenylchloridazon	µg/l	0.0279	±	0.00994	0.043	0.01	0.00877	154.3	1.73
Desethyldesisopropylatrazin	µg/l	-	±	-	-	-	-	-	-
Nicosulfuron	µg/l	-	±	-	-	-	-	-	-
Dimethylsulfonamid	µg/l	-	±	-	-	-	-	-	-
Clopyralid	µg/l	-	±	-	-	-	-	-	-
Dimethenamid	µg/l	0.523	±	0.0591	0.462	0.099	0.0591	88.4	-1.03


Sample
H91 A
H91 B
Measurand
2,6-Dichlorbenzamid
Alachlor
Atrazin
Desethylatrazin
Desethylterbuthylazin
Desisopropylatrazin
Cyanazin
Diuron
Metolachlor
Propazin
Simazin
Terbuthylazin
Terbutryn
Chloridazon
Desphenylchloridazon
Methyldesphenylchloridazon
Dimethenamid
-2
0
2
-2
0
2
z-score

The following results were achieved:

Sample: H91A

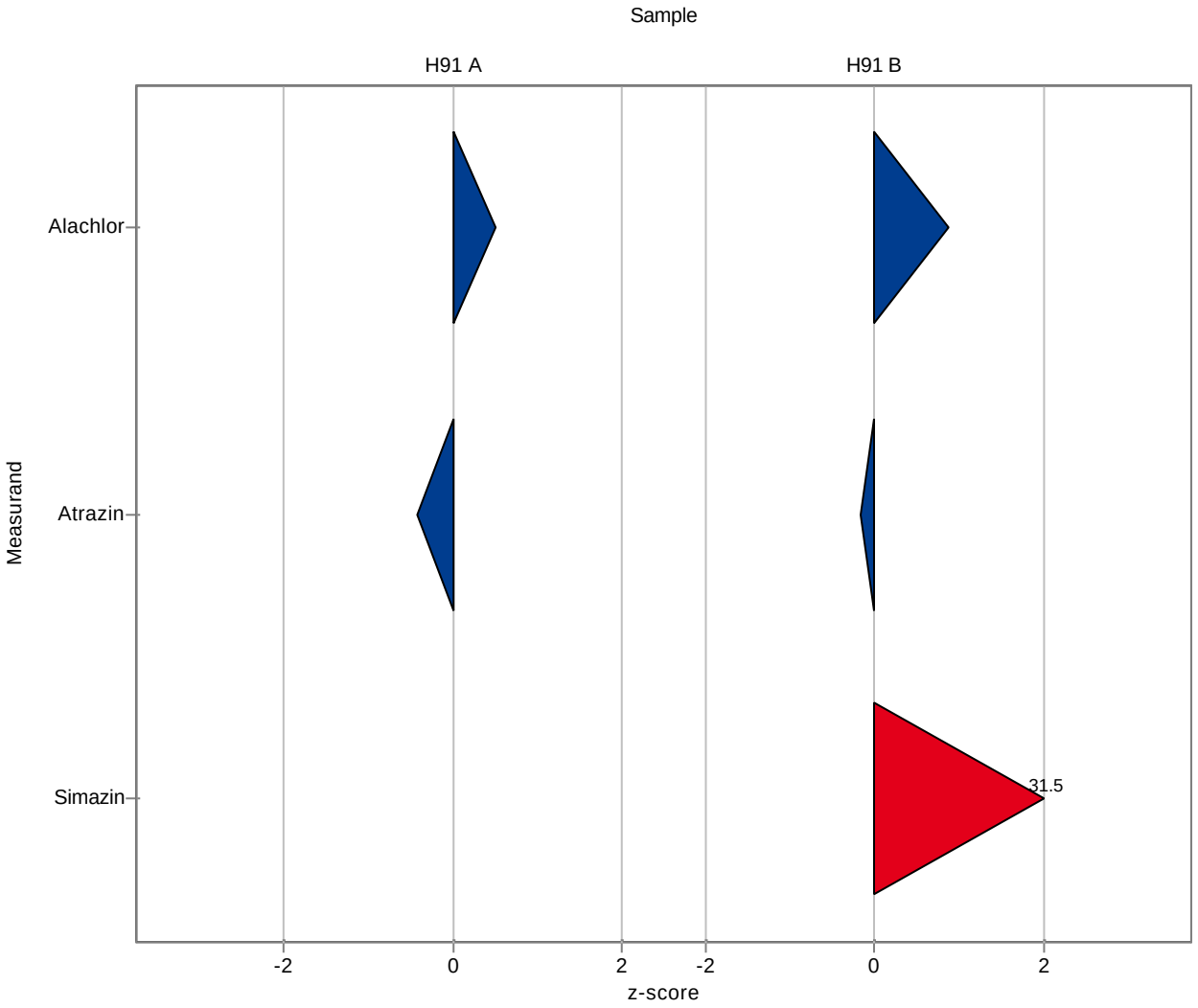
Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
2,6-Dichlorbenzamid	µg/l	0.312	± 0.039	-	-	0.0536	-	-
Alachlor	µg/l	0.492	± 0.042	0.52	0.1	0.0542	105.6	0.51
Atrazin	µg/l	0.26	± 0.0159	0.25	0.08	0.0243	96.0	-0.43
Desethylatrazin	µg/l	0.135	± 0.00714	-	-	0.00981	-	-
Desethylterbuthylazin	µg/l	0.299	± 0.017	-	-	0.0219	-	-
Desisopropylatrazin	µg/l	0.0859	± 0.0115	-	-	0.0163	-	-
Bromacil	µg/l	0.7	± 0.126	-	-	0.139	-	-
Cyanazin	µg/l	-	± -	-	-	-	-	-
Diuron	µg/l	0.0857	± 0.00565	-	-	0.00753	-	-
Metolachlor	µg/l	0.113	± 0.0105	-	-	0.014	-	-
Prometryn	µg/l	0.498	± 0.0272	-	-	0.0314	-	-
Propazin	µg/l	0.0869	± 0.00613	-	-	0.00915	-	-
Sebuthylazin	µg/l	0.0836	± 0.00641	-	-	0.0074	-	-
Simazin	µg/l	-	± -	<0.1 (LOQ)	-	-	-	-
Terbuthylazin	µg/l	0.17	± 0.0101	-	-	0.0147	-	-
Terbutryn	µg/l	0.569	± 0.0411	-	-	0.0581	-	-
Chloridazon	µg/l	0.231	± 0.0274	-	-	0.0317	-	-
Desphenylchloridazon	µg/l	0.171	± 0.0156	-	-	0.0147	-	-
Methyldesphenylchloridazon	µg/l	0.0764	± 0.012	-	-	0.0133	-	-
Desethyldesisopropylatrazin	µg/l	-	± -	-	-	-	-	-
Nicosulfuron	µg/l	-	± -	-	-	-	-	-
Dimethylsulfonamid	µg/l	0.517	± 0.0303	-	-	0.0267	-	-
Clopyralid	µg/l	-	± -	-	-	-	-	-
Dimethenamid	µg/l	-	± -	-	-	-	-	-

Sample: H91B

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
2,6-Dichlorbenzamid	µg/l	0.834	± 0.0949	-	-	0.127	-	-
Alachlor	µg/l	0.848	± 0.0638	0.92	0.21	0.0824	108.5	0.88
Atrazin	µg/l	0.804	± 0.0575	0.79	0.23	0.0878	98.3	-0.16
Desethylatrazin	µg/l	0.0104	± 0.00177	-	-	0.00144	-	-
Desethylterbuthylazin	µg/l	-	± -	-	-	-	-	-
Desisopropylatrazin	µg/l	-	± -	-	-	-	-	-
Bromacil	µg/l	0.405	± 0.0484	-	-	0.051	-	-
Cyanazin	µg/l	0.208	± 0.0194	-	-	0.0274	-	-

Summary of results Pestizide H91 Laborcode: LC0007

Parameter	Unit	Target	±	CI(99%)	Result	± U	Criteria	Recovery	z-score
Diuron	µg/l	-	±	-	-	-	-	-	-
Metolachlor	µg/l	-	±	-	-	-	-	-	-
Prometryn	µg/l	0.384	±	0.0401	-	-	0.0482	-	-
Propazin	µg/l	-	±	-	-	-	-	-	-
Sebuthylazin	µg/l	-	±	-	-	-	-	-	-
Simazin	µg/l	0.236	±	0.0151	0.91	0.24	0.0214	385.2	31.54
Terbuthylazin	µg/l	-	±	-	-	-	-	-	-
Terbutryn	µg/l	0.411	±	0.0323	-	-	0.0456	-	-
Chloridazon	µg/l	0.74	±	0.105	-	-	0.121	-	-
Desphenylchloridazon	µg/l	0.714	±	0.075	-	-	0.0661	-	-
Methyldesphenylchloridazon	µg/l	0.0279	±	0.00994	-	-	0.00877	-	-
Desethyldesisopropylatrazin	µg/l	-	±	-	-	-	-	-	-
Nicosulfuron	µg/l	-	±	-	-	-	-	-	-
Dimethylsulfonamid	µg/l	-	±	-	-	-	-	-	-
Clopyralid	µg/l	-	±	-	-	-	-	-	-
Dimethenamid	µg/l	0.523	±	0.0591	-	-	0.0591	-	-


Sample
H91 A
H91 B
Alachlor
Atrazin
Simazin
Measurand
31.5
-2
0
2
-2
0
2
z-score

The following results were achieved:

Sample: H91A

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
2,6-Dichlorbenzamid	µg/l	0.312	± 0.039	-	-	0.0536	-	-
Alachlor	µg/l	0.492	± 0.042	-	-	0.0542	-	-
Atrazin	µg/l	0.26	± 0.0159	-	-	0.0243	-	-
Desethylatrazin	µg/l	0.135	± 0.00714	-	-	0.00981	-	-
Desethylterbuthylazin	µg/l	0.299	± 0.017	-	-	0.0219	-	-
Desisopropylatrazin	µg/l	0.0859	± 0.0115	-	-	0.0163	-	-
Bromacil	µg/l	0.7	± 0.126	-	-	0.139	-	-
Cyanazin	µg/l	-	± -	-	-	-	-	-
Diuron	µg/l	0.0857	± 0.00565	-	-	0.00753	-	-
Metolachlor	µg/l	0.113	± 0.0105	-	-	0.014	-	-
Prometryn	µg/l	0.498	± 0.0272	-	-	0.0314	-	-
Propazin	µg/l	0.0869	± 0.00613	-	-	0.00915	-	-
Sebuthylazin	µg/l	0.0836	± 0.00641	-	-	0.0074	-	-
Simazin	µg/l	-	± -	-	-	-	-	-
Terbuthylazin	µg/l	0.17	± 0.0101	-	-	0.0147	-	-
Terbutryn	µg/l	0.569	± 0.0411	-	-	0.0581	-	-
Chloridazon	µg/l	0.231	± 0.0274	-	-	0.0317	-	-
Desphenylchloridazon	µg/l	0.171	± 0.0156	-	-	0.0147	-	-
Methyldesphenylchloridazon	µg/l	0.0764	± 0.012	-	-	0.0133	-	-
Desethyldesisopropylatrazin	µg/l	-	± -	-	-	-	-	-
Nicosulfuron	µg/l	-	± -	-	-	-	-	-
Dimethylsulfonamid	µg/l	0.517	± 0.0303	-	-	0.0267	-	-
Clopyralid	µg/l	-	± -	-	-	-	-	-
Dimethenamid	µg/l	-	± -	-	-	-	-	-

Sample: H91B

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
2,6-Dichlorbenzamid	µg/l	0.834	± 0.0949	-	-	0.127	-	-
Alachlor	µg/l	0.848	± 0.0638	-	-	0.0824	-	-
Atrazin	µg/l	0.804	± 0.0575	-	-	0.0878	-	-
Desethylatrazin	µg/l	0.0104	± 0.00177	-	-	0.00144	-	-
Desethylterbuthylazin	µg/l	-	± -	-	-	-	-	-
Desisopropylatrazin	µg/l	-	± -	-	-	-	-	-
Bromacil	µg/l	0.405	± 0.0484	-	-	0.051	-	-
Cyanazin	µg/l	0.208	± 0.0194	-	-	0.0274	-	-

Parameter	Unit	Target	±	CI(99%)	Result	± U	Criteria	Recovery	z-score
Diuron	µg/l	-	±	-	-	-	-	-	-
Metolachlor	µg/l	-	±	-	-	-	-	-	-
Prometryn	µg/l	0.384	±	0.0401	-	-	0.0482	-	-
Propazin	µg/l	-	±	-	-	-	-	-	-
Sebuthylazin	µg/l	-	±	-	-	-	-	-	-
Simazin	µg/l	0.236	±	0.0151	-	-	0.0214	-	-
Terbuthylazin	µg/l	-	±	-	-	-	-	-	-
Terbutryn	µg/l	0.411	±	0.0323	-	-	0.0456	-	-
Chloridazon	µg/l	0.74	±	0.105	-	-	0.121	-	-
Desphenylchloridazon	µg/l	0.714	±	0.075	-	-	0.0661	-	-
Methyldesphenylchloridazon	µg/l	0.0279	±	0.00994	-	-	0.00877	-	-
Desethyldesisopropylatrazin	µg/l	-	±	-	-	-	-	-	-
Nicosulfuron	µg/l	-	±	-	-	-	-	-	-
Dimethylsulfonamid	µg/l	-	±	-	-	-	-	-	-
Clopyralid	µg/l	-	±	-	-	-	-	-	-
Dimethenamid	µg/l	0.523	±	0.0591	-	-	0.0591	-	-

The following results were achieved:

Sample: H91A

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
2,6-Dichlorbenzamid	µg/l	0.312	± 0.039	-	-	0.0536	-	-
Alachlor	µg/l	0.492	± 0.042	-	-	0.0542	-	-
Atrazin	µg/l	0.26	± 0.0159	-	-	0.0243	-	-
Desethylatrazin	µg/l	0.135	± 0.00714	-	-	0.00981	-	-
Desethylterbuthylazin	µg/l	0.299	± 0.017	-	-	0.0219	-	-
Desisopropylatrazin	µg/l	0.0859	± 0.0115	-	-	0.0163	-	-
Bromacil	µg/l	0.7	± 0.126	-	-	0.139	-	-
Cyanazin	µg/l	-	± -	-	-	-	-	-
Diuron	µg/l	0.0857	± 0.00565	-	-	0.00753	-	-
Metolachlor	µg/l	0.113	± 0.0105	-	-	0.014	-	-
Prometryn	µg/l	0.498	± 0.0272	-	-	0.0314	-	-
Propazin	µg/l	0.0869	± 0.00613	-	-	0.00915	-	-
Sebuthylazin	µg/l	0.0836	± 0.00641	-	-	0.0074	-	-
Simazin	µg/l	-	± -	-	-	-	-	-
Terbuthylazin	µg/l	0.17	± 0.0101	-	-	0.0147	-	-
Terbutryn	µg/l	0.569	± 0.0411	-	-	0.0581	-	-
Chloridazon	µg/l	0.231	± 0.0274	-	-	0.0317	-	-
Desphenylchloridazon	µg/l	0.171	± 0.0156	-	-	0.0147	-	-
Methyldesphenylchloridazon	µg/l	0.0764	± 0.012	-	-	0.0133	-	-
Desethyldesisopropylatrazin	µg/l	-	± -	-	-	-	-	-
Nicosulfuron	µg/l	-	± -	-	-	-	-	-
Dimethylsulfonamid	µg/l	0.517	± 0.0303	-	-	0.0267	-	-
Clopyralid	µg/l	-	± -	-	-	-	-	-
Dimethenamid	µg/l	-	± -	-	-	-	-	-

Sample: H91B

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
2,6-Dichlorbenzamid	µg/l	0.834	± 0.0949	-	-	0.127	-	-
Alachlor	µg/l	0.848	± 0.0638	-	-	0.0824	-	-
Atrazin	µg/l	0.804	± 0.0575	-	-	0.0878	-	-
Desethylatrazin	µg/l	0.0104	± 0.00177	-	-	0.00144	-	-
Desethylterbuthylazin	µg/l	-	± -	-	-	-	-	-
Desisopropylatrazin	µg/l	-	± -	-	-	-	-	-
Bromacil	µg/l	0.405	± 0.0484	-	-	0.051	-	-
Cyanazin	µg/l	0.208	± 0.0194	-	-	0.0274	-	-

Parameter	Unit	Target	±	CI(99%)	Result	± U	Criteria	Recovery	z-score
Diuron	µg/l	-	±	-	-	-	-	-	-
Metolachlor	µg/l	-	±	-	-	-	-	-	-
Prometryn	µg/l	0.384	±	0.0401	-	-	0.0482	-	-
Propazin	µg/l	-	±	-	-	-	-	-	-
Sebuthylazin	µg/l	-	±	-	-	-	-	-	-
Simazin	µg/l	0.236	±	0.0151	-	-	0.0214	-	-
Terbuthylazin	µg/l	-	±	-	-	-	-	-	-
Terbutryn	µg/l	0.411	±	0.0323	-	-	0.0456	-	-
Chloridazon	µg/l	0.74	±	0.105	-	-	0.121	-	-
Desphenylchloridazon	µg/l	0.714	±	0.075	-	-	0.0661	-	-
Methyldesphenylchloridazon	µg/l	0.0279	±	0.00994	-	-	0.00877	-	-
Desethyldesisopropylatrazin	µg/l	-	±	-	-	-	-	-	-
Nicosulfuron	µg/l	-	±	-	-	-	-	-	-
Dimethylsulfonamid	µg/l	-	±	-	-	-	-	-	-
Clopyralid	µg/l	-	±	-	-	-	-	-	-
Dimethenamid	µg/l	0.523	±	0.0591	-	-	0.0591	-	-

The following results were achieved:

Sample: H91A

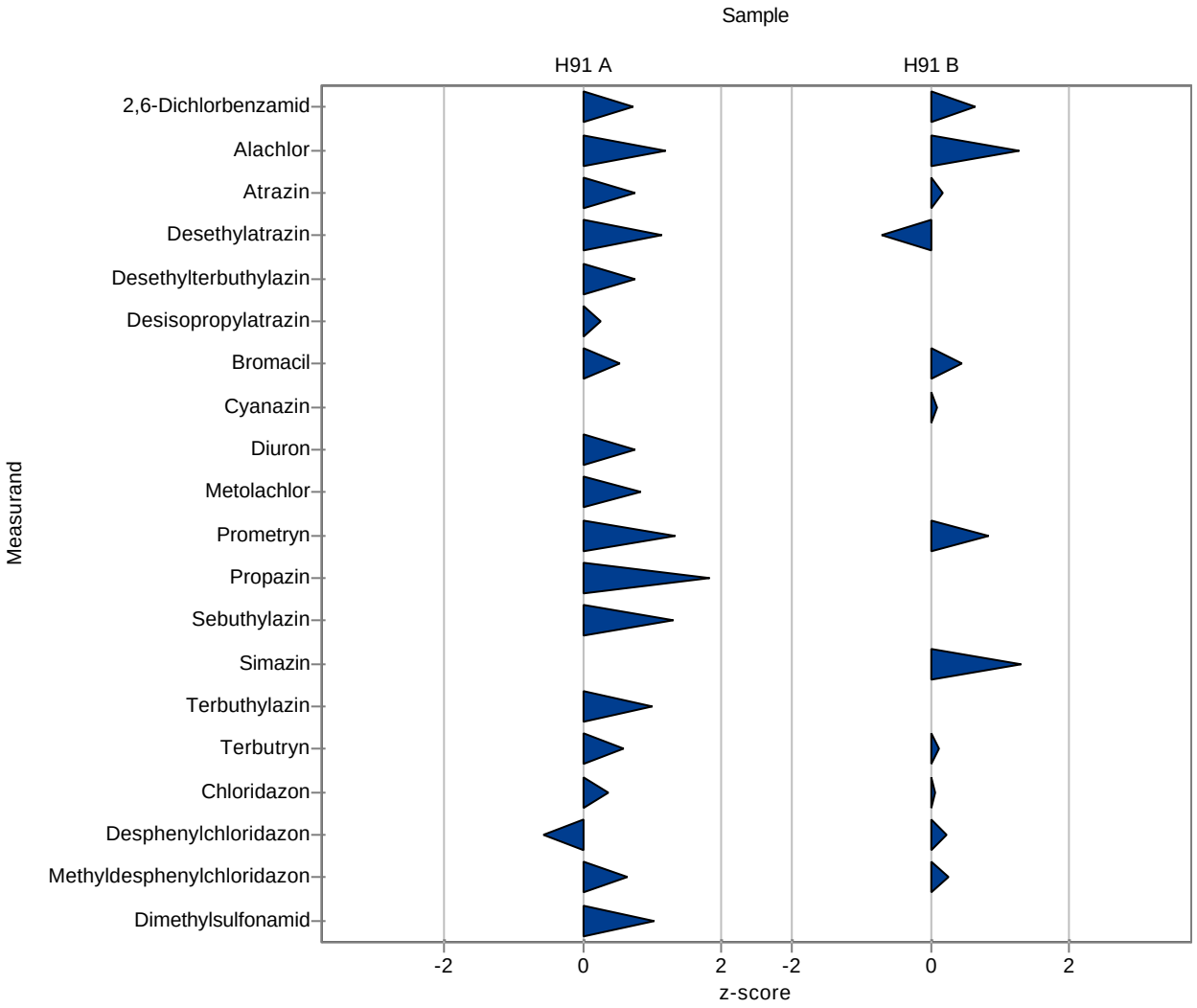
Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
2,6-Dichlorbenzamid	µg/l	0.312	± 0.039	0.3508	-	0.0536	112.3	0.72
Alachlor	µg/l	0.492	± 0.042	0.5573	-	0.0542	113.2	1.20
Atrazin	µg/l	0.26	± 0.0159	0.279	-	0.0243	107.1	0.76
Desethylatrazin	µg/l	0.135	± 0.00714	0.1461	-	0.00981	108.4	1.15
Desethylterbuthylazin	µg/l	0.299	± 0.017	0.3159	-	0.0219	105.6	0.76
Desisopropylatrazin	µg/l	0.0859	± 0.0115	0.09	-	0.0163	104.8	0.25
Bromacil	µg/l	0.7	± 0.126	0.775	-	0.139	110.8	0.54
Cyanazin	µg/l	-	± -	<0.01 (LOQ)	-	-	-	-
Diuron	µg/l	0.0857	± 0.00565	0.0914	-	0.00753	106.7	0.76
Metolachlor	µg/l	0.113	± 0.0105	0.125	-	0.014	110.3	0.83
Prometryn	µg/l	0.498	± 0.0272	0.5403	-	0.0314	108.4	1.33
Propazin	µg/l	0.0869	± 0.00613	0.1035	-	0.00915	119.2	1.82
Sebuthylazin	µg/l	0.0836	± 0.00641	0.0932	-	0.0074	111.5	1.30
Simazin	µg/l	-	± -	<0.01 (LOQ)	-	-	-	-
Terbuthylazin	µg/l	0.17	± 0.0101	0.1853	-	0.0147	108.7	1.01
Terbutryn	µg/l	0.569	± 0.0411	0.6038	-	0.0581	106.1	0.60
Chloridazon	µg/l	0.231	± 0.0274	0.2425	-	0.0317	105.2	0.38
Desphenylchloridazon	µg/l	0.171	± 0.0156	0.1628	-	0.0147	95.2	-0.56
Methyldesphenylchloridazon	µg/l	0.0764	± 0.012	0.085	-	0.0133	111.3	0.65
Desethyldesisopropylatrazin	µg/l	-	± -	-	-	-	-	-
Nicosulfuron	µg/l	-	± -	<0.01 (LOQ)	-	-	-	-
Dimethylsulfonamid	µg/l	0.517	± 0.0303	0.544	-	0.0267	105.3	1.03
Clopyralid	µg/l	-	± -	-	-	-	-	-
Dimethenamid	µg/l	-	± -	-	-	-	-	-

Sample: H91B

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
2,6-Dichlorbenzamid	µg/l	0.834	± 0.0949	0.9158	-	0.127	109.8	0.64
Alachlor	µg/l	0.848	± 0.0638	0.9525	-	0.0824	112.4	1.27
Atrazin	µg/l	0.804	± 0.0575	0.8188	-	0.0878	101.9	0.17
Desethylatrazin	µg/l	0.0104	± 0.00177	0.0094	-	0.00144	90.4	-0.69
Desethylterbuthylazin	µg/l	-	± -	<0.01 (LOQ)	-	-	-	-
Desisopropylatrazin	µg/l	-	± -	<0.01 (LOQ)	-	-	-	-
Bromacil	µg/l	0.405	± 0.0484	0.4282	-	0.051	105.6	0.45
Cyanazin	µg/l	0.208	± 0.0194	0.211	-	0.0274	101.4	0.11

Summary of results Pestizide H91 Laborcode: LC0010

Parameter	Unit	Target	±	CI(99%)	Result	± U	Criteria	Recovery	z-score
Diuron	µg/l	-	±	-	0.0054	-	-	-	-
Metolachlor	µg/l	-	±	-	<0.01 (LOQ)	-	-	-	-
Prometryn	µg/l	0.384	±	0.0401	0.4242	-	0.0482	110.5	0.84
Propazin	µg/l	-	±	-	<0.01 (LOQ)	-	-	-	-
Sebuthylazin	µg/l	-	±	-	<0.01 (LOQ)	-	-	-	-
Simazin	µg/l	0.236	±	0.0151	0.2639	-	0.0214	111.7	1.30
Terbuthylazin	µg/l	-	±	-	0.0049	-	-	-	-
Terbutryn	µg/l	0.411	±	0.0323	0.4168	-	0.0456	101.3	0.12
Chloridazon	µg/l	0.74	±	0.105	0.7474	-	0.121	101.0	0.06
Desphenylchloridazon	µg/l	0.714	±	0.075	0.7293	-	0.0661	102.1	0.23
Methyldesphenylchloridazon	µg/l	0.0279	±	0.00994	0.0301	-	0.00877	108.0	0.25
Desethyldesisopropylatrazin	µg/l	-	±	-	-	-	-	-	-
Nicosulfuron	µg/l	-	±	-	0.2425	-	-	-	-
Dimethylsulfonamid	µg/l	-	±	-	<0.01 (LOQ)	-	-	-	-
Clopyralid	µg/l	-	±	-	-	-	-	-	-
Dimethenamid	µg/l	0.523	±	0.0591	-	-	0.0591	-	-


Sample
H91 A
H91 B
Measurand
2,6-Dichlorbenzamid
Alachlor
Atrazin
Desethylatrazin
Desethylterbuthylazin
Desisopropylatrazin
Bromacil
Cyanazin
Diuron
Metolachlor
Prometryn
Propazin
Sebuthylazin
Simazin
Terbuthylazin
Terbutryn
Chloridazon
Desphenylchloridazon
Methyldesphenylchloridazon
Dimethylsulfonamid
-2
0
2
-2
0
2
z-score

The following results were achieved:

Sample: H91A

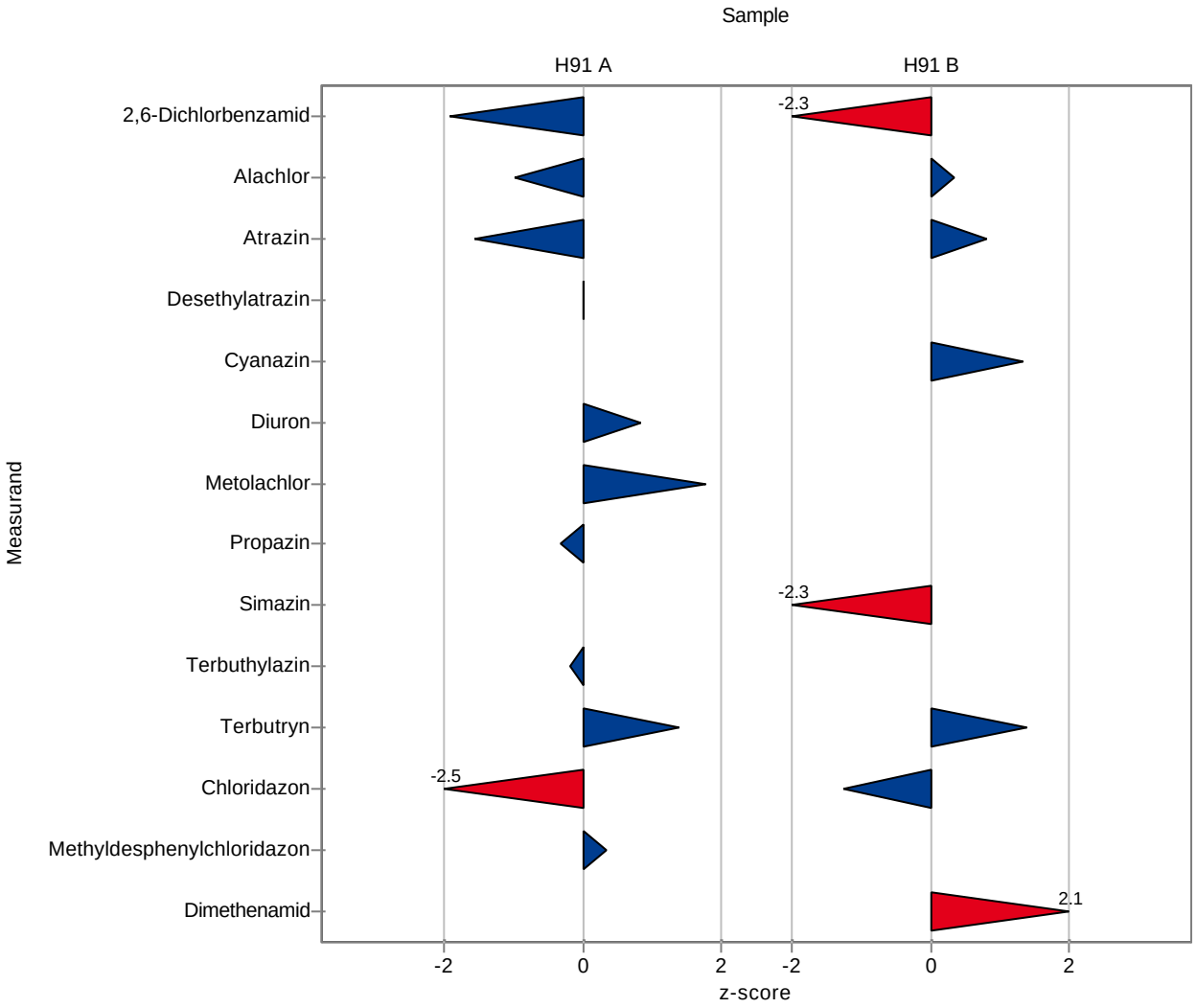
Parameter	Unit	Target	±	CI(99%)	Result	± U	Criteria	Recovery	z-score
2,6-Dichlorbenzamid	µg/l	0.312	±	0.039	0.21	-	0.0536	67.2	-1.91
Alachlor	µg/l	0.492	±	0.042	0.44	-	0.0542	89.4	-0.96
Atrazin	µg/l	0.26	±	0.0159	0.223	-	0.0243	85.6	-1.54
Desethylatrazin	µg/l	0.135	±	0.00714	0.135	-	0.00981	100.1	0.02
Desethylterbuthylazin	µg/l	0.299	±	0.017	-	-	0.0219	-	-
Desisopropylatrazin	µg/l	0.0859	±	0.0115	<0.04 (LOQ)	-	0.0163	-	-
Bromacil	µg/l	0.7	±	0.126	-	-	0.139	-	-
Cyanazin	µg/l	-	±	-	<0.02 (LOQ)	-	-	-	-
Diuron	µg/l	0.0857	±	0.00565	0.092	-	0.00753	107.4	0.84
Metolachlor	µg/l	0.113	±	0.0105	0.138	-	0.014	121.8	1.76
Prometryn	µg/l	0.498	±	0.0272	-	-	0.0314	-	-
Propazin	µg/l	0.0869	±	0.00613	0.084	-	0.00915	96.7	-0.31
Sebuthylazin	µg/l	0.0836	±	0.00641	-	-	0.0074	-	-
Simazin	µg/l	-	±	-	<0.05 (LOQ)	-	-	-	-
Terbuthylazin	µg/l	0.17	±	0.0101	0.168	-	0.0147	98.6	-0.17
Terbutryn	µg/l	0.569	±	0.0411	0.65	-	0.0581	114.2	1.39
Chloridazon	µg/l	0.231	±	0.0274	0.151	-	0.0317	65.5	-2.51
Desphenylchloridazon	µg/l	0.171	±	0.0156	-	-	0.0147	-	-
Methyldesphenylchloridazon	µg/l	0.0764	±	0.012	0.081	-	0.0133	106.1	0.35
Desethyldesisopropylatrazin	µg/l	-	±	-	-	-	-	-	-
Nicosulfuron	µg/l	-	±	-	-	-	-	-	-
Dimethylsulfonamid	µg/l	0.517	±	0.0303	-	-	0.0267	-	-
Clopyralid	µg/l	-	±	-	-	-	-	-	-
Dimethenamid	µg/l	-	±	-	<0.01 (LOQ)	-	-	-	-

Sample: H91B

Parameter	Unit	Target	±	CI(99%)	Result	± U	Criteria	Recovery	z-score
2,6-Dichlorbenzamid	µg/l	0.834	±	0.0949	0.537	-	0.127	64.4	-2.35
Alachlor	µg/l	0.848	±	0.0638	0.876	-	0.0824	103.4	0.35
Atrazin	µg/l	0.804	±	0.0575	0.874	-	0.0878	108.7	0.80
Desethylatrazin	µg/l	0.0104	±	0.00177	<0.03 (LOQ)	-	0.00144	-	-
Desethylterbuthylazin	µg/l	-	±	-	-	-	-	-	-
Desisopropylatrazin	µg/l	-	±	-	<0.04 (LOQ)	-	-	-	-
Bromacil	µg/l	0.405	±	0.0484	-	-	0.051	-	-
Cyanazin	µg/l	0.208	±	0.0194	0.245	-	0.0274	117.7	1.35

Summary of results Pestizide H91 Laborcode: LC0011

Parameter	Unit	Target	±	CI(99%)	Result	± U	Criteria	Recovery	z-score
Diuron	µg/l	-	±	-	<0.01 (LOQ)	-	-	-	-
Metolachlor	µg/l	-	±	-	<0.01 (LOQ)	-	-	-	-
Prometryn	µg/l	0.384	±	0.0401	-	-	0.0482	-	-
Propazin	µg/l	-	±	-	<0.015 (LOQ)	-	-	-	-
Sebuthylazin	µg/l	-	±	-	-	-	-	-	-
Simazin	µg/l	0.236	±	0.0151	0.187	-	0.0214	79.2	-2.30
Terbuthylazin	µg/l	-	±	-	<0.01 (LOQ)	-	-	-	-
Terbutryn	µg/l	0.411	±	0.0323	0.474	-	0.0456	115.2	1.37
Chloridazon	µg/l	0.74	±	0.105	0.59	-	0.121	79.7	-1.24
Desphenylchloridazon	µg/l	0.714	±	0.075	-	-	0.0661	-	-
Methyldesphenylchloridazon	µg/l	0.0279	±	0.00994	<0.03 (LOQ)	-	0.00877	-	-
Desethyldesisopropylatrazin	µg/l	-	±	-	-	-	-	-	-
Nicosulfuron	µg/l	-	±	-	-	-	-	-	-
Dimethylsulfonamid	µg/l	-	±	-	-	-	-	-	-
Clopyralid	µg/l	-	±	-	-	-	-	-	-
Dimethenamid	µg/l	0.523	±	0.0591	0.645	-	0.0591	123.4	2.07


Sample
H91 A
H91 B
Measurand
2,6-Dichlorbenzamid
Alachlor
Atrazin
Desethylatrazin
Cyanazin
Diuron
Metolachlor
Propazin
Simazin
Terbuthylazin
Terbutryn
Chloridazon
Methyldesphenylchloridazon
Dimethenamid
-2.3
-2.3
-2.5
2.1
-2
0
2
-2
0
2
z-score

The following results were achieved:

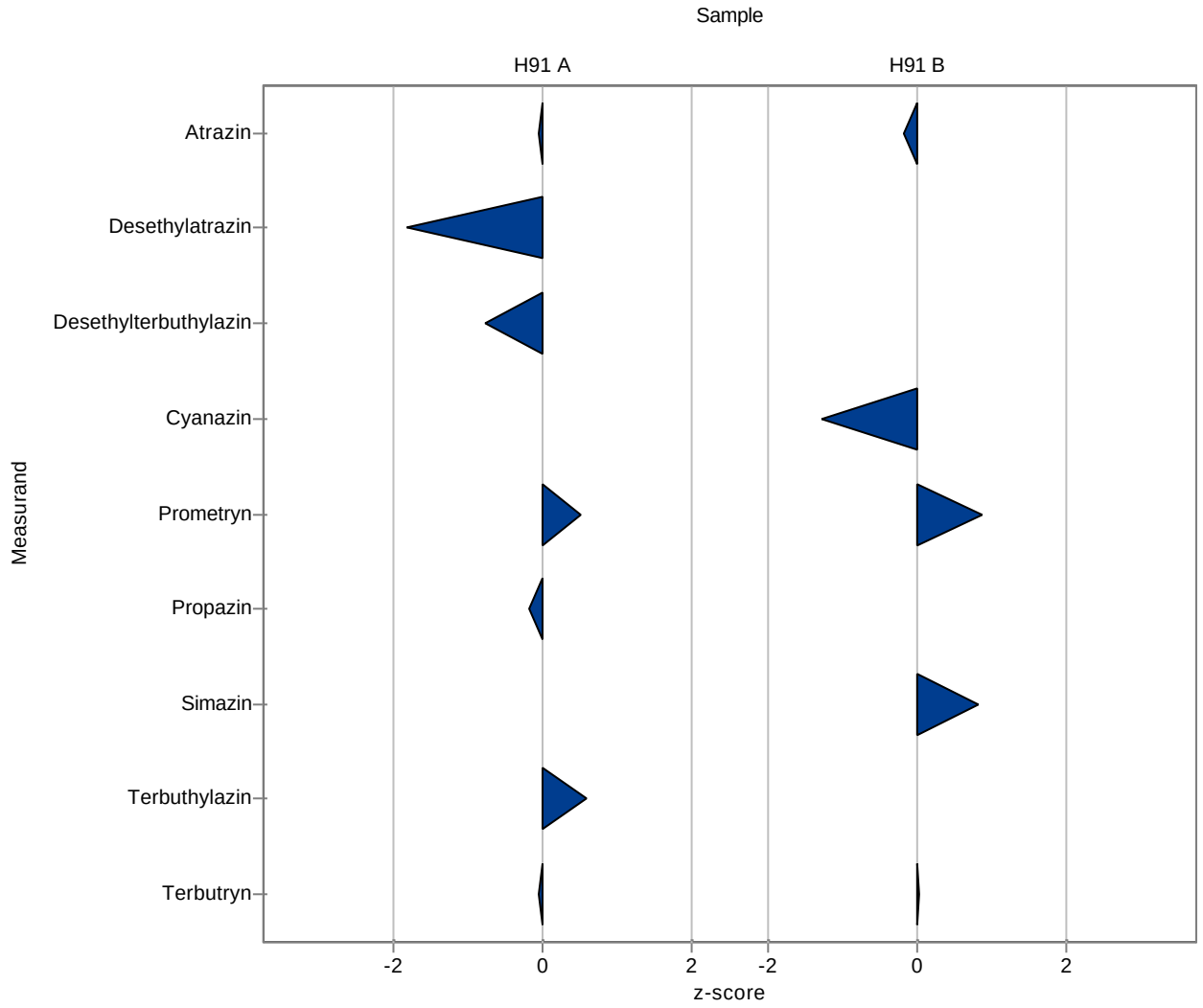
Sample: H91A

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
2,6-Dichlorbenzamid	µg/l	0.312	± 0.039	-	-	0.0536	-	-
Alachlor	µg/l	0.492	± 0.042	-	-	0.0542	-	-
Atrazin	µg/l	0.26	± 0.0159	0.259	0.05	0.0243	99.4	-0.06
Desethylatrazin	µg/l	0.135	± 0.00714	0.117	0.023	0.00981	86.8	-1.82
Desethylterbuthylazin	µg/l	0.299	± 0.017	0.282	0.053	0.0219	94.2	-0.79
Desisopropylatrazin	µg/l	0.0859	± 0.0115	-	-	0.0163	-	-
Bromacil	µg/l	0.7	± 0.126	-	-	0.139	-	-
Cyanazin	µg/l	-	± -	<0.01 (LOQ)	-	-	-	-
Diuron	µg/l	0.0857	± 0.00565	-	-	0.00753	-	-
Metolachlor	µg/l	0.113	± 0.0105	-	-	0.014	-	-
Prometryn	µg/l	0.498	± 0.0272	0.514	0.096	0.0314	103.1	0.50
Propazin	µg/l	0.0869	± 0.00613	0.085	0.018	0.00915	97.9	-0.20
Sebuthylazin	µg/l	0.0836	± 0.00641	-	-	0.0074	-	-
Simazin	µg/l	-	± -	<0.01 (LOQ)	-	-	-	-
Terbuthylazin	µg/l	0.17	± 0.0101	0.179	0.036	0.0147	105.0	0.58
Terbutryn	µg/l	0.569	± 0.0411	0.565	0.108	0.0581	99.3	-0.07
Chloridazon	µg/l	0.231	± 0.0274	-	-	0.0317	-	-
Desphenylchloridazon	µg/l	0.171	± 0.0156	-	-	0.0147	-	-
Methyldesphenylchloridazon	µg/l	0.0764	± 0.012	-	-	0.0133	-	-
Desethyldesisopropylatrazin	µg/l	-	± -	-	-	-	-	-
Nicosulfuron	µg/l	-	± -	-	-	-	-	-
Dimethylsulfonamid	µg/l	0.517	± 0.0303	-	-	0.0267	-	-
Clopyralid	µg/l	-	± -	-	-	-	-	-
Dimethenamid	µg/l	-	± -	-	-	-	-	-

Sample: H91B

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
2,6-Dichlorbenzamid	µg/l	0.834	± 0.0949	-	-	0.127	-	-
Alachlor	µg/l	0.848	± 0.0638	-	-	0.0824	-	-
Atrazin	µg/l	0.804	± 0.0575	0.79	0.151	0.0878	98.3	-0.16
Desethylatrazin	µg/l	0.0104	± 0.00177	<0.01 (LOQ)	-	0.00144	-	-
Desethylterbuthylazin	µg/l	-	± -	<0.01 (LOQ)	-	-	-	-
Desisopropylatrazin	µg/l	-	± -	-	-	-	-	-
Bromacil	µg/l	0.405	± 0.0484	-	-	0.051	-	-
Cyanazin	µg/l	0.208	± 0.0194	0.173	0.038	0.0274	83.1	-1.28

Parameter	Unit	Target	±	CI(99%)	Result	± U	Criteria	Recovery	z-score
Diuron	µg/l	-	±	-	-	-	-	-	-
Metolachlor	µg/l	-	±	-	-	-	-	-	-
Prometryn	µg/l	0.384	±	0.0401	0.427	0.08	0.0482	111.2	0.89
Propazin	µg/l	-	±	-	<0.01 (LOQ)	-	-	-	-
Sebuthylazin	µg/l	-	±	-	-	-	-	-	-
Simazin	µg/l	0.236	±	0.0151	0.254	0.049	0.0214	107.5	0.83
Terbuthylazin	µg/l	-	±	-	<0.01 (LOQ)	-	-	-	-
Terbutryn	µg/l	0.411	±	0.0323	0.413	0.079	0.0456	100.4	0.04
Chloridazon	µg/l	0.74	±	0.105	-	-	0.121	-	-
Desphenylchloridazon	µg/l	0.714	±	0.075	-	-	0.0661	-	-
Methyldesphenylchloridazon	µg/l	0.0279	±	0.00994	-	-	0.00877	-	-
Desethyldesisopropylatrazin	µg/l	-	±	-	-	-	-	-	-
Nicosulfuron	µg/l	-	±	-	-	-	-	-	-
Dimethylsulfonamid	µg/l	-	±	-	-	-	-	-	-
Clopyralid	µg/l	-	±	-	-	-	-	-	-
Dimethenamid	µg/l	0.523	±	0.0591	-	-	0.0591	-	-


Sample
H91 A
H91 B
Atrazin
Desethylatrazin
Desethylterbuthylazin
Cyanazin
Prometryn
Propazin
Simazin
Terbuthylazin
Terbutryn
Measurand
-2
0
2
-2
0
2
z-score

The following results were achieved:

Sample: H91A

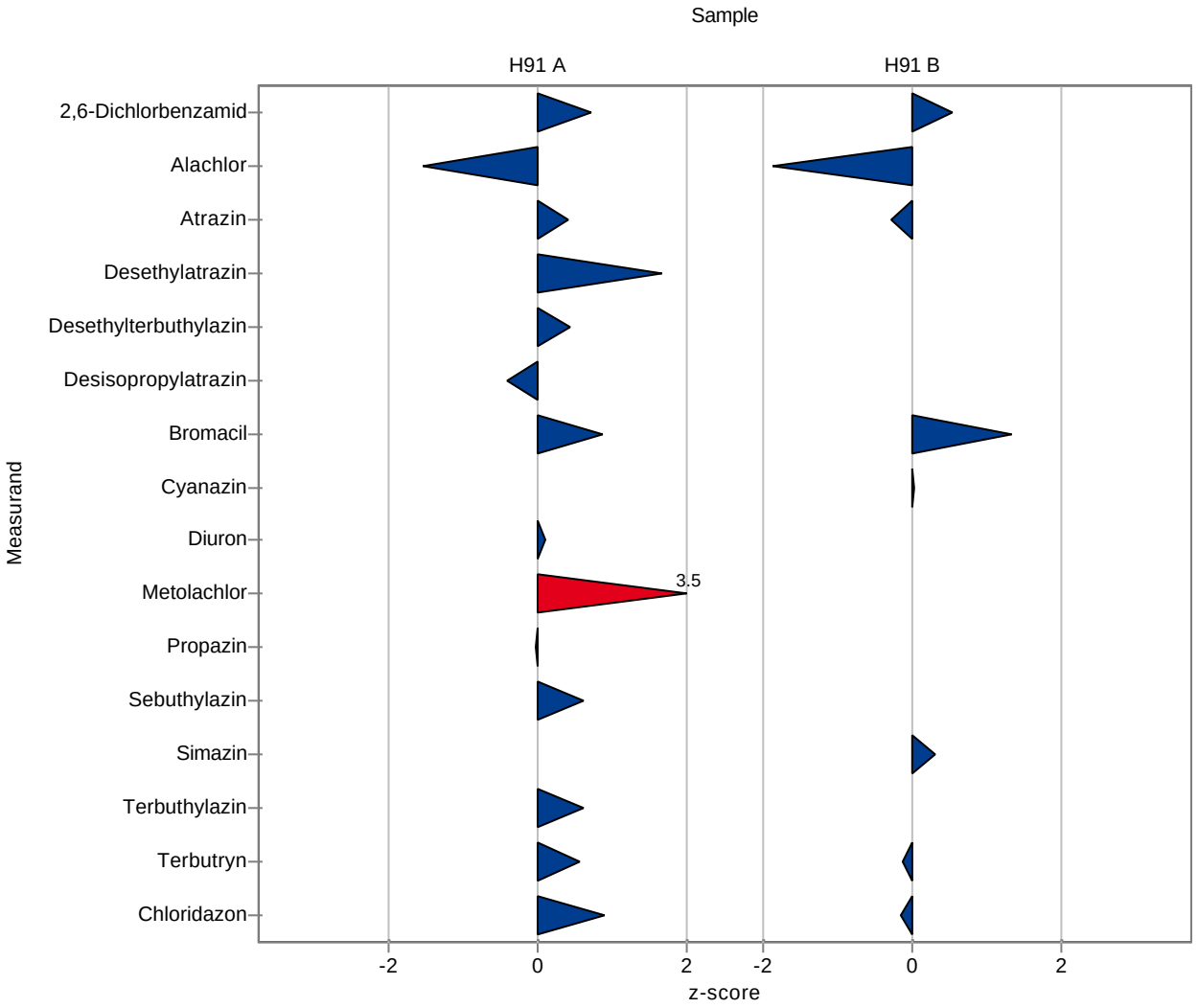
Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
2,6-Dichlorbenzamid	µg/l	0.312	± 0.039	0.3504	0.0526	0.0536	112.2	0.71
Alachlor	µg/l	0.492	± 0.042	0.409	0.0614	0.0542	83.1	-1.54
Atrazin	µg/l	0.26	± 0.0159	0.27	0.0405	0.0243	103.7	0.39
Desethylatrazin	µg/l	0.135	± 0.00714	0.151	0.0227	0.00981	112.0	1.65
Desethylterbuthylazin	µg/l	0.299	± 0.017	0.3084	0.0463	0.0219	103.0	0.42
Desisopropylatrazin	µg/l	0.0859	± 0.0115	0.0791	0.0119	0.0163	92.1	-0.42
Bromacil	µg/l	0.7	± 0.126	0.8205	0.1231	0.139	117.3	0.87
Cyanazin	µg/l	-	± -	-	-	-	-	-
Diuron	µg/l	0.0857	± 0.00565	0.0863	0.0129	0.00753	100.7	0.08
Metolachlor	µg/l	0.113	± 0.0105	0.1621	0.0243	0.014	143.1	3.49
Prometryn	µg/l	0.498	± 0.0272	-	-	0.0314	-	-
Propazin	µg/l	0.0869	± 0.00613	0.0865	0.013	0.00915	99.6	-0.04
Sebuthylazin	µg/l	0.0836	± 0.00641	0.088	0.0132	0.0074	105.3	0.59
Simazin	µg/l	-	± -	-	-	-	-	-
Terbuthylazin	µg/l	0.17	± 0.0101	0.1793	0.0269	0.0147	105.2	0.60
Terbutryn	µg/l	0.569	± 0.0411	0.6008	0.0901	0.0581	105.6	0.55
Chloridazon	µg/l	0.231	± 0.0274	0.2588	0.0388	0.0317	112.3	0.89
Desphenylchloridazon	µg/l	0.171	± 0.0156	-	-	0.0147	-	-
Methyldesphenylchloridazon	µg/l	0.0764	± 0.012	-	-	0.0133	-	-
Desethyldesisopropylatrazin	µg/l	-	± -	-	-	-	-	-
Nicosulfuron	µg/l	-	± -	-	-	-	-	-
Dimethylsulfonamid	µg/l	0.517	± 0.0303	-	-	0.0267	-	-
Clopyralid	µg/l	-	± -	-	-	-	-	-
Dimethenamid	µg/l	-	± -	-	-	-	-	-

Sample: H91B

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
2,6-Dichlorbenzamid	µg/l	0.834	± 0.0949	0.904	0.1356	0.127	108.4	0.55
Alachlor	µg/l	0.848	± 0.0638	0.6938	0.1041	0.0824	81.9	-1.87
Atrazin	µg/l	0.804	± 0.0575	0.7806	0.1171	0.0878	97.1	-0.26
Desethylatrazin	µg/l	0.0104	± 0.00177	-	-	0.00144	-	-
Desethylterbuthylazin	µg/l	-	± -	-	-	-	-	-
Desisopropylatrazin	µg/l	-	± -	-	-	-	-	-
Bromacil	µg/l	0.405	± 0.0484	0.4734	0.071	0.051	116.8	1.33
Cyanazin	µg/l	0.208	± 0.0194	0.209	0.0314	0.0274	100.4	0.03

Summary of results Pestizide H91 Laborcode: LC0013

Parameter	Unit	Target	±	CI(99%)	Result	± U	Criteria	Recovery	z-score
Diuron	µg/l	-	±	-	-	-	-	-	-
Metolachlor	µg/l	-	±	-	-	-	-	-	-
Prometryn	µg/l	0.384	±	0.0401	-	-	0.0482	-	-
Propazin	µg/l	-	±	-	0.0111	0.0017	-	-	-
Sebuthylazin	µg/l	-	±	-	-	-	-	-	-
Simazin	µg/l	0.236	±	0.0151	0.2431	0.0365	0.0214	102.9	0.32
Terbuthylazin	µg/l	-	±	-	-	-	-	-	-
Terbutryn	µg/l	0.411	±	0.0323	0.4055	0.0608	0.0456	98.6	-0.13
Chloridazon	µg/l	0.74	±	0.105	0.7228	0.1084	0.121	97.7	-0.14
Desphenylchloridazon	µg/l	0.714	±	0.075	-	-	0.0661	-	-
Methyldesphenylchloridazon	µg/l	0.0279	±	0.00994	-	-	0.00877	-	-
Desethyldesisopropylatrazin	µg/l	-	±	-	-	-	-	-	-
Nicosulfuron	µg/l	-	±	-	-	-	-	-	-
Dimethylsulfonamid	µg/l	-	±	-	-	-	-	-	-
Clopyralid	µg/l	-	±	-	-	-	-	-	-
Dimethenamid	µg/l	0.523	±	0.0591	-	-	0.0591	-	-


Sample
H91 A
H91 B
2,6-Dichlorbenzamid
Alachlor
Atrazin
Desethylatrazin
Desethylterbuthylazin
Desisopropylatrazin
Bromacil
Cyanazin
Diuron
Metolachlor
Propazin
Sebuthylazin
Simazin
Terbuthylazin
Terbutryn
Chloridazon
Measurand
3.5
-2
0
2
-2
0
2
z-score

The following results were achieved:

Sample: H91A

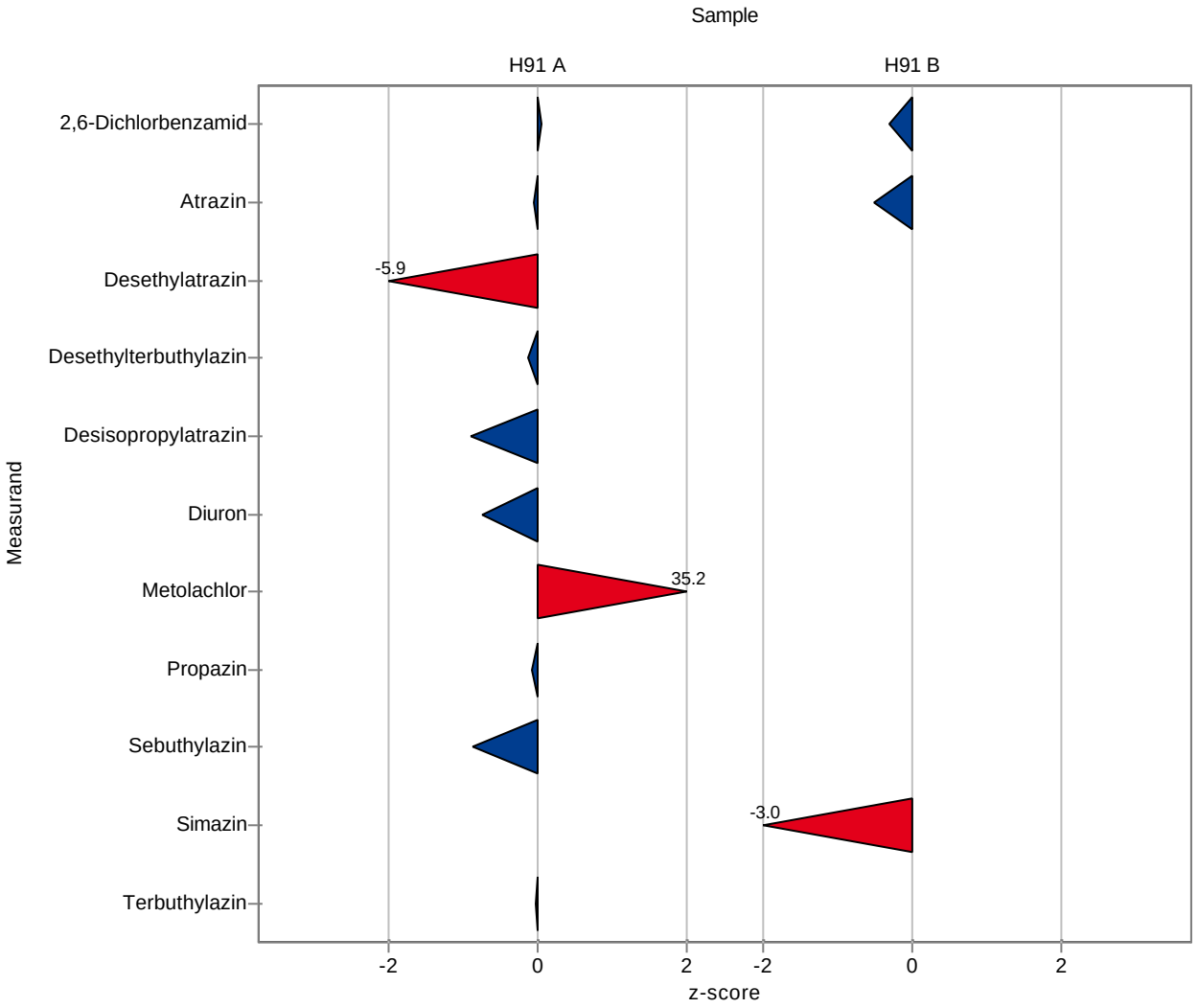
Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
2,6-Dichlorbenzamid	µg/l	0.312	± 0.039	0.315	0.05	0.0536	100.8	0.05
Alachlor	µg/l	0.492	± 0.042	-	-	0.0542	-	-
Atrazin	µg/l	0.26	± 0.0159	0.259	0.039	0.0243	99.4	-0.06
Desethylatrazin	µg/l	0.135	± 0.00714	0.077	0.012	0.00981	57.1	-5.89
Desethylterbuthylazin	µg/l	0.299	± 0.017	0.296	0.044	0.0219	98.9	-0.15
Desisopropylatrazin	µg/l	0.0859	± 0.0115	0.071	0.011	0.0163	82.7	-0.92
Bromacil	µg/l	0.7	± 0.126	-	-	0.139	-	-
Cyanazin	µg/l	-	± -	-	-	-	-	-
Diuron	µg/l	0.0857	± 0.00565	0.08	0.012	0.00753	93.4	-0.75
Metolachlor	µg/l	0.113	± 0.0105	0.606	0.091	0.014	534.8	35.19
Prometryn	µg/l	0.498	± 0.0272	-	-	0.0314	-	-
Propazin	µg/l	0.0869	± 0.00613	0.086	0.013	0.00915	99.0	-0.09
Sebuthylazin	µg/l	0.0836	± 0.00641	0.077	0.012	0.0074	92.1	-0.89
Simazin	µg/l	-	± -	<0.05 (LOQ)	-	-	-	-
Terbuthylazin	µg/l	0.17	± 0.0101	0.17	0.026	0.0147	99.7	-0.03
Terbutryn	µg/l	0.569	± 0.0411	-	-	0.0581	-	-
Chloridazon	µg/l	0.231	± 0.0274	-	-	0.0317	-	-
Desphenylchloridazon	µg/l	0.171	± 0.0156	-	-	0.0147	-	-
Methyldesphenylchloridazon	µg/l	0.0764	± 0.012	-	-	0.0133	-	-
Desethyldesisopropylatrazin	µg/l	-	± -	-	-	-	-	-
Nicosulfuron	µg/l	-	± -	-	-	-	-	-
Dimethylsulfonamid	µg/l	0.517	± 0.0303	-	-	0.0267	-	-
Clopyralid	µg/l	-	± -	-	-	-	-	-
Dimethenamid	µg/l	-	± -	-	-	-	-	-

Sample: H91B

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
2,6-Dichlorbenzamid	µg/l	0.834	± 0.0949	0.796	0.119	0.127	95.4	-0.30
Alachlor	µg/l	0.848	± 0.0638	-	-	0.0824	-	-
Atrazin	µg/l	0.804	± 0.0575	0.759	0.114	0.0878	94.4	-0.51
Desethylatrazin	µg/l	0.0104	± 0.00177	<0.05 (LOQ)	-	0.00144	-	-
Desethylterbuthylazin	µg/l	-	± -	<0.05 (LOQ)	-	-	-	-
Desisopropylatrazin	µg/l	-	± -	<0.05 (LOQ)	-	-	-	-
Bromacil	µg/l	0.405	± 0.0484	-	-	0.051	-	-
Cyanazin	µg/l	0.208	± 0.0194	-	-	0.0274	-	-

Summary of results Pestizide H91 Laborcode: LC0014

Parameter	Unit	Target	±	CI(99%)	Result	± U	Criteria	Recovery	z-score
Diuron	µg/l	-	±	-	<0.05 (LOQ)	-	-	-	-
Metolachlor	µg/l	-	±	-	0.823	0.123	-	-	-
Prometryn	µg/l	0.384	±	0.0401	-	-	0.0482	-	-
Propazin	µg/l	-	±	-	<0.05 (LOQ)	-	-	-	-
Sebuthylazin	µg/l	-	±	-	<0.05 (LOQ)	-	-	-	-
Simazin	µg/l	0.236	±	0.0151	0.172	0.026	0.0214	72.8	-3.01
Terbuthylazin	µg/l	-	±	-	<0.05 (LOQ)	-	-	-	-
Terbutryn	µg/l	0.411	±	0.0323	-	-	0.0456	-	-
Chloridazon	µg/l	0.74	±	0.105	-	-	0.121	-	-
Desphenylchloridazon	µg/l	0.714	±	0.075	-	-	0.0661	-	-
Methyldesphenylchloridazon	µg/l	0.0279	±	0.00994	-	-	0.00877	-	-
Desethyldesisopropylatrazin	µg/l	-	±	-	-	-	-	-	-
Nicosulfuron	µg/l	-	±	-	-	-	-	-	-
Dimethylsulfonamid	µg/l	-	±	-	-	-	-	-	-
Clopyralid	µg/l	-	±	-	-	-	-	-	-
Dimethenamid	µg/l	0.523	±	0.0591	-	-	0.0591	-	-


Sample
H91 A
H91 B
2,6-Dichlorbenzamid
Atrazin
Desethylatrazin
Desethylterbuthylazin
Desisopropylatrazin
Diuron
Metolachlor
Propazin
Sebuthylazin
Simazin
Terbuthylazin
Measurand
-5.9
35.2
-3.0
-2
0
2
-2
0
2
z-score

The following results were achieved:

Sample: H91A

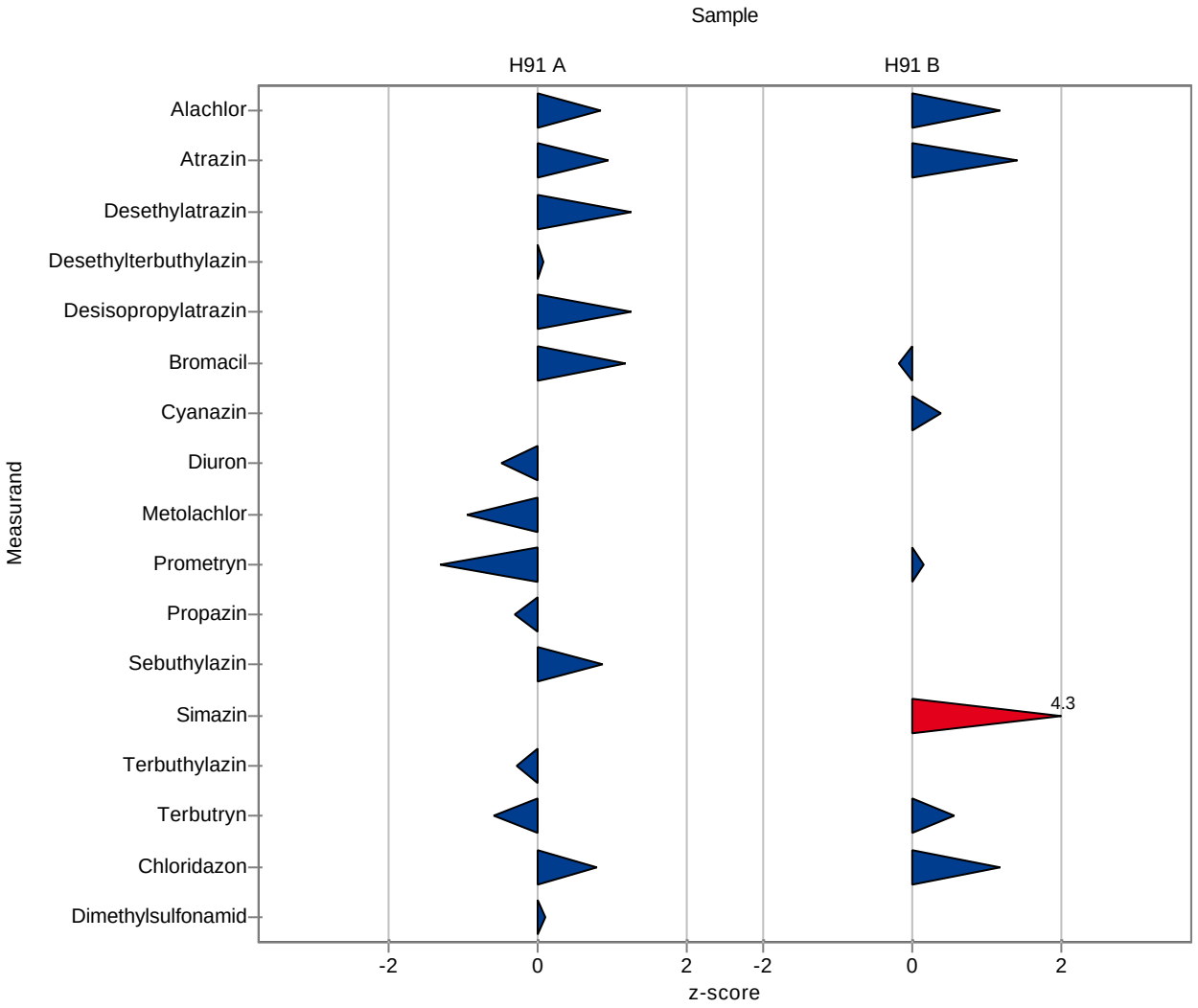
Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
2,6-Dichlorbenzamid	µg/l	0.312	± 0.039	-	-	0.0536	-	-
Alachlor	µg/l	0.492	± 0.042	0.537	50	0.0542	109.1	0.83
Atrazin	µg/l	0.26	± 0.0159	0.283	50	0.0243	108.6	0.93
Desethylatrazin	µg/l	0.135	± 0.00714	0.147	50	0.00981	109.0	1.24
Desethylterbuthylazin	µg/l	0.299	± 0.017	0.301	50	0.0219	100.6	0.08
Desisopropylatrazin	µg/l	0.0859	± 0.0115	0.106	50	0.0163	123.4	1.24
Bromacil	µg/l	0.7	± 0.126	0.864	50	0.139	123.5	1.18
Cyanazin	µg/l	-	± -	-	-	-	-	-
Diuron	µg/l	0.0857	± 0.00565	0.082	50	0.00753	95.7	-0.49
Metolachlor	µg/l	0.113	± 0.0105	0.1	50	0.014	88.3	-0.95
Prometryn	µg/l	0.498	± 0.0272	0.457	50	0.0314	91.7	-1.32
Propazin	µg/l	0.0869	± 0.00613	0.084	50	0.00915	96.7	-0.31
Sebuthylazin	µg/l	0.0836	± 0.00641	0.09	50	0.0074	107.7	0.86
Simazin	µg/l	-	± -	-	-	-	-	-
Terbuthylazin	µg/l	0.17	± 0.0101	0.166	50	0.0147	97.4	-0.30
Terbutryn	µg/l	0.569	± 0.0411	0.534	50	0.0581	93.8	-0.61
Chloridazon	µg/l	0.231	± 0.0274	0.255	50	0.0317	110.6	0.77
Desphenylchloridazon	µg/l	0.171	± 0.0156	-	-	0.0147	-	-
Methyldesphenylchloridazon	µg/l	0.0764	± 0.012	-	-	0.0133	-	-
Desethyldesisopropylatrazin	µg/l	-	± -	-	-	-	-	-
Nicosulfuron	µg/l	-	± -	-	-	-	-	-
Dimethylsulfonamid	µg/l	0.517	± 0.0303	0.519	50	0.0267	100.5	0.09
Clopyralid	µg/l	-	± -	0.575	50	-	-	-
Dimethenamid	µg/l	-	± -	-	-	-	-	-

Sample: H91B

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
2,6-Dichlorbenzamid	µg/l	0.834	± 0.0949	-	-	0.127	-	-
Alachlor	µg/l	0.848	± 0.0638	0.945	50	0.0824	111.5	1.18
Atrazin	µg/l	0.804	± 0.0575	0.929	50	0.0878	115.6	1.43
Desethylatrazin	µg/l	0.0104	± 0.00177	-	-	0.00144	-	-
Desethylterbuthylazin	µg/l	-	± -	-	-	-	-	-
Desisopropylatrazin	µg/l	-	± -	-	-	-	-	-
Bromacil	µg/l	0.405	± 0.0484	0.397	50	0.051	97.9	-0.17
Cyanazin	µg/l	0.208	± 0.0194	0.219	50	0.0274	105.2	0.40

Summary of results Pestizide H91 Laborcode: LC0015

Parameter	Unit	Target	±	CI(99%)	Result	± U	Criteria	Recovery	z-score
Diuron	µg/l	-	±	-	-	-	-	-	-
Metolachlor	µg/l	-	±	-	-	-	-	-	-
Prometryn	µg/l	0.384	±	0.0401	0.392	50	0.0482	102.1	0.17
Propazin	µg/l	-	±	-	-	-	-	-	-
Sebuthylazin	µg/l	-	±	-	-	-	-	-	-
Simazin	µg/l	0.236	±	0.0151	0.328	50	0.0214	138.9	4.30
Terbuthylazin	µg/l	-	±	-	-	-	-	-	-
Terbutryn	µg/l	0.411	±	0.0323	0.438	50	0.0456	106.5	0.59
Chloridazon	µg/l	0.74	±	0.105	0.884	50	0.121	119.4	1.19
Desphenylchloridazon	µg/l	0.714	±	0.075	-	-	0.0661	-	-
Methyldesphenylchloridazon	µg/l	0.0279	±	0.00994	-	-	0.00877	-	-
Desethyldesisopropylatrazin	µg/l	-	±	-	-	-	-	-	-
Nicosulfuron	µg/l	-	±	-	0.094	50	-	-	-
Dimethylsulfonamid	µg/l	-	±	-	-	-	-	-	-
Clopyralid	µg/l	-	±	-	0.957	50	-	-	-
Dimethenamid	µg/l	0.523	±	0.0591	-	-	0.0591	-	-


Sample
H91 A
H91 B
Alachlor
Atrazin
Desethylatrazin
Desethylterbuthylazin
Desisopropylatrazin
Bromacil
Cyanazin
Diuron
Metolachlor
Prometryn
Propazin
Sebuthylazin
Simazin
Terbuthylazin
Terbutryn
Chloridazon
Dimethylsulfonamid
Measurand
4.3
-2
0
2
-2
0
2
z-score

The following results were achieved:

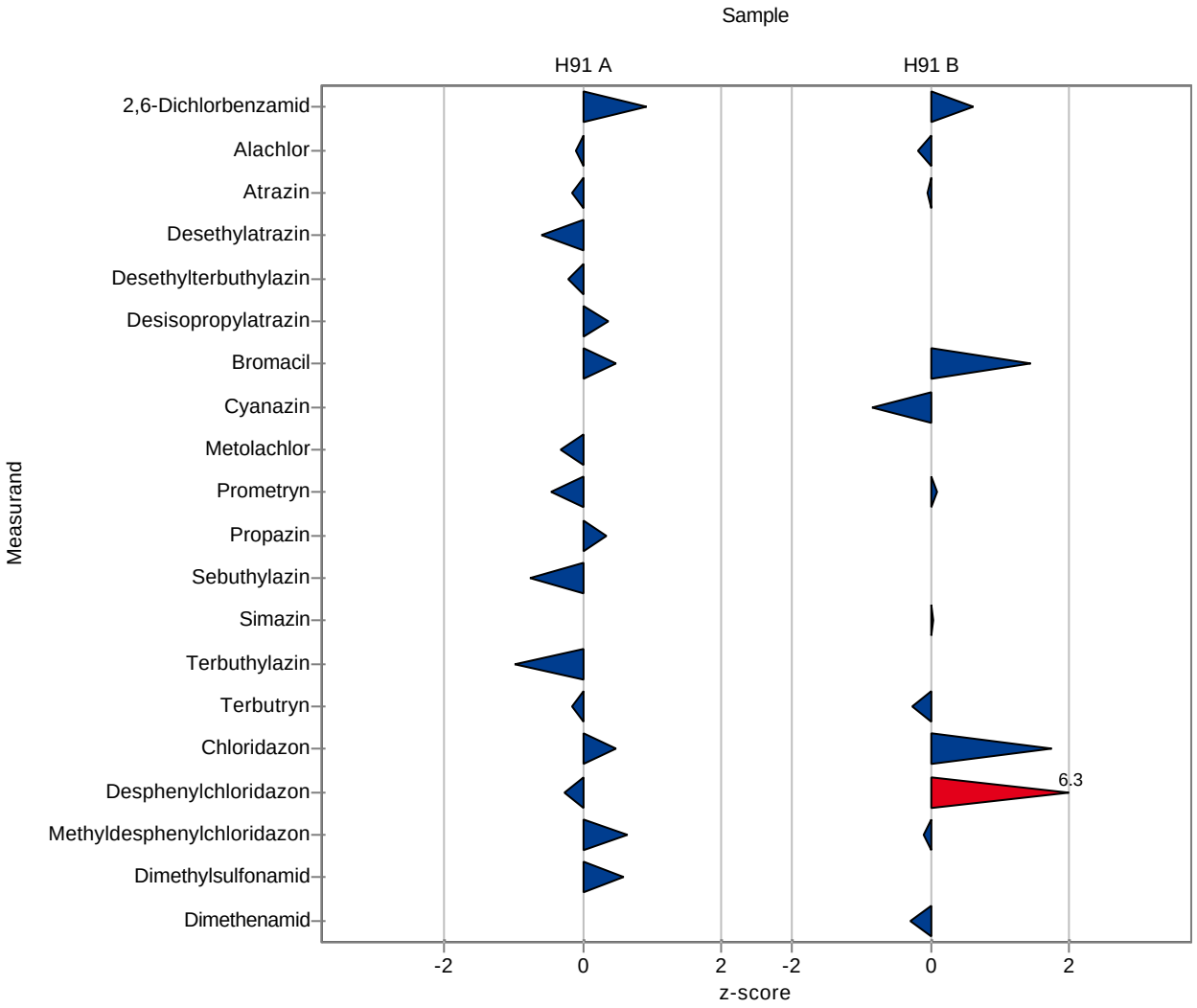
Sample: H91A

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
2,6-Dichlorbenzamid	µg/l	0.312	± 0.039	0.362	0.091	0.0536	115.9	0.93
Alachlor	µg/l	0.492	± 0.042	0.487	0.122	0.0542	98.9	-0.10
Atrazin	µg/l	0.26	± 0.0159	0.257	0.064	0.0243	98.7	-0.14
Desethylatrazin	µg/l	0.135	± 0.00714	0.129	0.032	0.00981	95.7	-0.59
Desethylterbuthylazin	µg/l	0.299	± 0.017	0.295	0.074	0.0219	98.6	-0.20
Desisopropylatrazin	µg/l	0.0859	± 0.0115	0.092	0.023	0.0163	107.1	0.38
Bromacil	µg/l	0.7	± 0.126	0.765	0.153	0.139	109.3	0.47
Cyanazin	µg/l	-	± -	<0.01 (LOQ)	-	-	-	-
Diuron	µg/l	0.0857	± 0.00565	<0.01 (LOQ)	-	0.00753	-	-
Metolachlor	µg/l	0.113	± 0.0105	0.109	0.027	0.014	96.2	-0.31
Prometryn	µg/l	0.498	± 0.0272	0.484	0.121	0.0314	97.1	-0.46
Propazin	µg/l	0.0869	± 0.00613	0.09	0.023	0.00915	103.6	0.34
Sebuthylazin	µg/l	0.0836	± 0.00641	0.078	0.02	0.0074	93.3	-0.76
Simazin	µg/l	-	± -	<0.01 (LOQ)	-	-	-	-
Terbuthylazin	µg/l	0.17	± 0.0101	0.156	0.039	0.0147	91.5	-0.98
Terbutryn	µg/l	0.569	± 0.0411	0.561	0.14	0.0581	98.6	-0.14
Chloridazon	µg/l	0.231	± 0.0274	0.246	0.049	0.0317	106.7	0.49
Desphenylchloridazon	µg/l	0.171	± 0.0156	0.167	0.033	0.0147	97.7	-0.27
Methyldesphenylchloridazon	µg/l	0.0764	± 0.012	0.085	0.017	0.0133	111.3	0.65
Desethyldesisopropylatrazin	µg/l	-	± -	-	-	-	-	-
Nicosulfuron	µg/l	-	± -	-	-	-	-	-
Dimethylsulfonamid	µg/l	0.517	± 0.0303	0.532	0.106	0.0267	103.0	0.58
Clopyralid	µg/l	-	± -	-	-	-	-	-
Dimethenamid	µg/l	-	± -	<0.01 (LOQ)	-	-	-	-

Sample: H91B

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
2,6-Dichlorbenzamid	µg/l	0.834	± 0.0949	0.912	0.228	0.127	109.3	0.61
Alachlor	µg/l	0.848	± 0.0638	0.833	0.208	0.0824	98.3	-0.18
Atrazin	µg/l	0.804	± 0.0575	0.799	0.2	0.0878	99.4	-0.05
Desethylatrazin	µg/l	0.0104	± 0.00177	<0.01 (LOQ)	-	0.00144	-	-
Desethylterbuthylazin	µg/l	-	± -	<0.01 (LOQ)	-	-	-	-
Desisopropylatrazin	µg/l	-	± -	<0.01 (LOQ)	-	-	-	-
Bromacil	µg/l	0.405	± 0.0484	0.479	0.096	0.051	118.1	1.44
Cyanazin	µg/l	0.208	± 0.0194	0.185	0.046	0.0274	88.9	-0.84

Parameter	Unit	Target	±	CI(99%)	Result	± U	Criteria	Recovery	z-score
Diuron	µg/l	-	±	-	0.088	0.018	-	-	-
Metolachlor	µg/l	-	±	-	<0.01 (LOQ)	-	-	-	-
Prometryn	µg/l	0.384	±	0.0401	0.389	0.097	0.0482	101.3	0.10
Propazin	µg/l	-	±	-	<0.01 (LOQ)	-	-	-	-
Sebuthylazin	µg/l	-	±	-	<0.01 (LOQ)	-	-	-	-
Simazin	µg/l	0.236	±	0.0151	0.237	0.059	0.0214	100.3	0.04
Terbuthylazin	µg/l	-	±	-	<0.01 (LOQ)	-	-	-	-
Terbutryn	µg/l	0.411	±	0.0323	0.4	0.1	0.0456	97.3	-0.25
Chloridazon	µg/l	0.74	±	0.105	0.952	0.19	0.121	128.6	1.75
Desphenylchloridazon	µg/l	0.714	±	0.075	1.13	0.226	0.0661	158.2	6.29
Methyldesphenylchloridazon	µg/l	0.0279	±	0.00994	0.027	0.005	0.00877	96.9	-0.10
Desethyldesisopropylatrazin	µg/l	-	±	-	-	-	-	-	-
Nicosulfuron	µg/l	-	±	-	-	-	-	-	-
Dimethylsulfonamid	µg/l	-	±	-	<0.02 (LOQ)	-	-	-	-
Clopyralid	µg/l	-	±	-	-	-	-	-	-
Dimethenamid	µg/l	0.523	±	0.0591	0.506	0.127	0.0591	96.8	-0.28


Sample
H91 A
H91 B
Measurand
2,6-Dichlorbenzamid
Alachlor
Atrazin
Desethylatrazin
Desethylterbuthylazin
Desisopropylatrazin
Bromacil
Cyanazin
Metolachlor
Prometryn
Propazin
Sebuthylazin
Simazin
Terbuthylazin
Terbutryn
Chloridazon
Desphenylchloridazon
Methyldesphenylchloridazon
Dimethylsulfonamid
Dimethenamid
6.3
-2
0
2
-2
0
2
z-score

The following results were achieved:

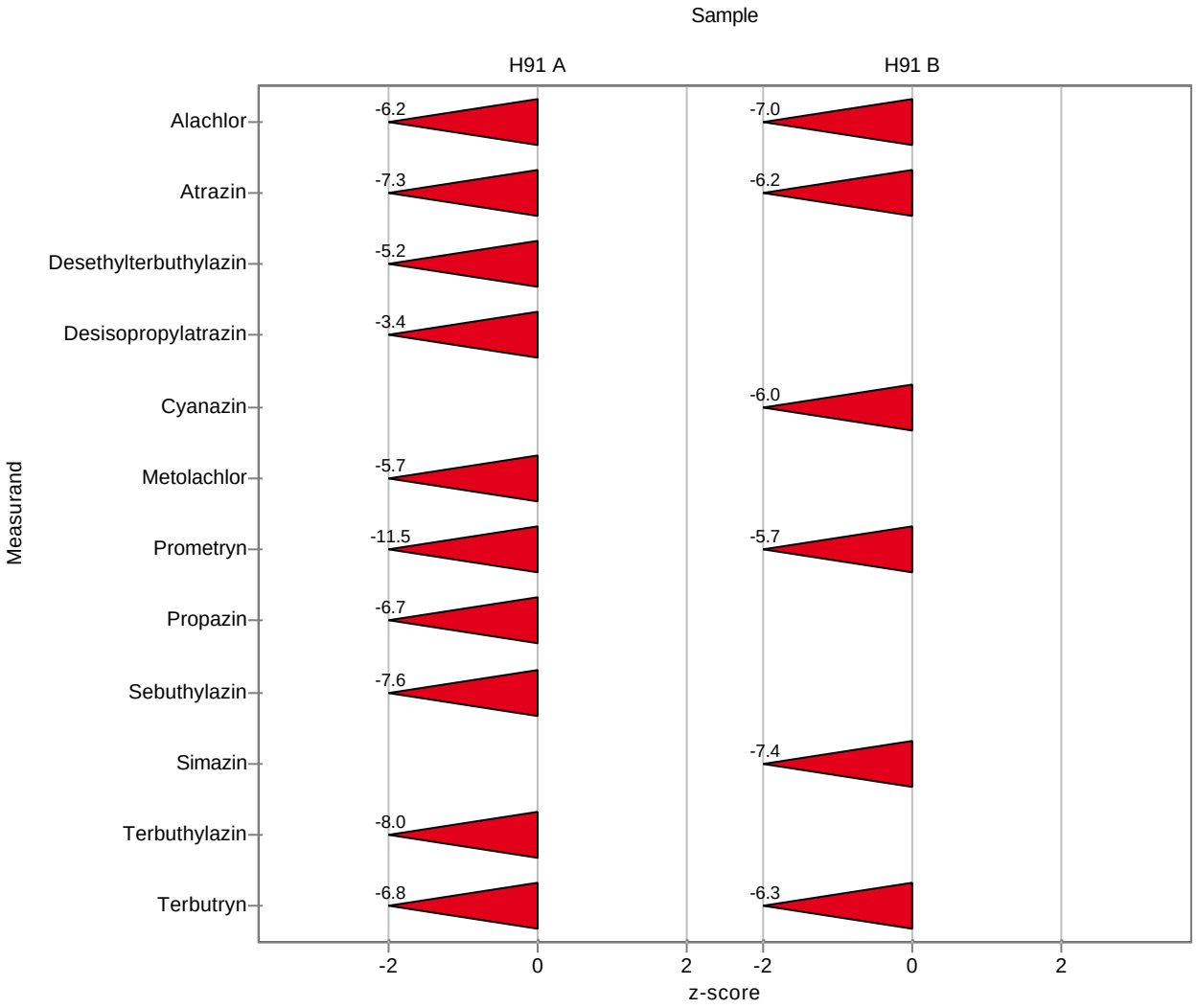
Sample: H91A

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
2,6-Dichlorbenzamid	µg/l	0.312	± 0.039	-	-	0.0536	-	-
Alachlor	µg/l	0.492	± 0.042	0.158	0.032	0.0542	32.1	-6.17
Atrazin	µg/l	0.26	± 0.0159	0.083	0.017	0.0243	31.9	-7.30
Desethylatrazin	µg/l	0.135	± 0.00714	<0.05 (LOQ)	-	0.00981	-	-
Desethylterbuthylazin	µg/l	0.299	± 0.017	0.185	0.037	0.0219	61.8	-5.22
Desisopropylatrazin	µg/l	0.0859	± 0.0115	0.031	0.015	0.0163	36.1	-3.38
Bromacil	µg/l	0.7	± 0.126	-	-	0.139	-	-
Cyanazin	µg/l	-	± -	<0.05 (LOQ)	-	-	-	-
Diuron	µg/l	0.0857	± 0.00565	-	-	0.00753	-	-
Metolachlor	µg/l	0.113	± 0.0105	0.034	0.017	0.014	30.0	-5.67
Prometryn	µg/l	0.498	± 0.0272	0.138	0.028	0.0314	27.7	-11.49
Propazin	µg/l	0.0869	± 0.00613	0.026	0.013	0.00915	29.9	-6.65
Sebuthylazin	µg/l	0.0836	± 0.00641	0.027	0.013	0.0074	32.3	-7.65
Simazin	µg/l	-	± -	<0.05 (LOQ)	-	-	-	-
Terbuthylazin	µg/l	0.17	± 0.0101	0.053	0.011	0.0147	31.1	-7.99
Terbutryn	µg/l	0.569	± 0.0411	0.175	0.035	0.0581	30.7	-6.79
Chloridazon	µg/l	0.231	± 0.0274	-	-	0.0317	-	-
Desphenylchloridazon	µg/l	0.171	± 0.0156	-	-	0.0147	-	-
Methyldesphenylchloridazon	µg/l	0.0764	± 0.012	-	-	0.0133	-	-
Desethyldesisopropylatrazin	µg/l	-	± -	-	-	-	-	-
Nicosulfuron	µg/l	-	± -	-	-	-	-	-
Dimethylsulfonamid	µg/l	0.517	± 0.0303	-	-	0.0267	-	-
Clopyralid	µg/l	-	± -	-	-	-	-	-
Dimethenamid	µg/l	-	± -	-	-	-	-	-

Sample: H91B

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
2,6-Dichlorbenzamid	µg/l	0.834	± 0.0949	-	-	0.127	-	-
Alachlor	µg/l	0.848	± 0.0638	0.27	0.054	0.0824	31.9	-7.01
Atrazin	µg/l	0.804	± 0.0575	0.255	0.051	0.0878	31.7	-6.25
Desethylatrazin	µg/l	0.0104	± 0.00177	<0.05 (LOQ)	-	0.00144	-	-
Desethylterbuthylazin	µg/l	-	± -	<0.05 (LOQ)	-	-	-	-
Desisopropylatrazin	µg/l	-	± -	<0.05 (LOQ)	-	-	-	-
Bromacil	µg/l	0.405	± 0.0484	-	-	0.051	-	-
Cyanazin	µg/l	0.208	± 0.0194	0.044	0.022	0.0274	21.1	-5.99

Parameter	Unit	Target	±	CI(99%)	Result	± U	Criteria	Recovery	z-score
Diuron	µg/l	-	±	-	-	-	-	-	-
Metolachlor	µg/l	-	±	-	<0.05 (LOQ)	-	-	-	-
Prometryn	µg/l	0.384	±	0.0401	0.11	0.022	0.0482	28.7	-5.68
Propazin	µg/l	-	±	-	<0.05 (LOQ)	-	-	-	-
Sebuthylazin	µg/l	-	±	-	<0.05 (LOQ)	-	-	-	-
Simazin	µg/l	0.236	±	0.0151	0.078	0.016	0.0214	33.0	-7.41
Terbuthylazin	µg/l	-	±	-	<0.05 (LOQ)	-	-	-	-
Terbutryn	µg/l	0.411	±	0.0323	0.125	0.025	0.0456	30.4	-6.28
Chloridazon	µg/l	0.74	±	0.105	-	-	0.121	-	-
Desphenylchloridazon	µg/l	0.714	±	0.075	-	-	0.0661	-	-
Methyldesphenylchloridazon	µg/l	0.0279	±	0.00994	-	-	0.00877	-	-
Desethyldesisopropylatrazin	µg/l	-	±	-	-	-	-	-	-
Nicosulfuron	µg/l	-	±	-	-	-	-	-	-
Dimethylsulfonamid	µg/l	-	±	-	-	-	-	-	-
Clopyralid	µg/l	-	±	-	-	-	-	-	-
Dimethenamid	µg/l	0.523	±	0.0591	-	-	0.0591	-	-


Sample
H91 A
H91 B
Measurand
Alachlor
Atrazin
Desethylterbuthylazin
Desisopropylatrazin
Cyanazin
Metolachlor
Prometryn
Propazin
Sebuthylazin
Simazin
Terbuthylazin
Terbutryn
-6.2
-7.3
-5.2
-3.4
-5.7
-11.5
-6.7
-7.6
-8.0
-6.8
-7.0
-6.2
-6.0
-5.7
-7.4
-6.3
-2
0
2
z-score

The following results were achieved:

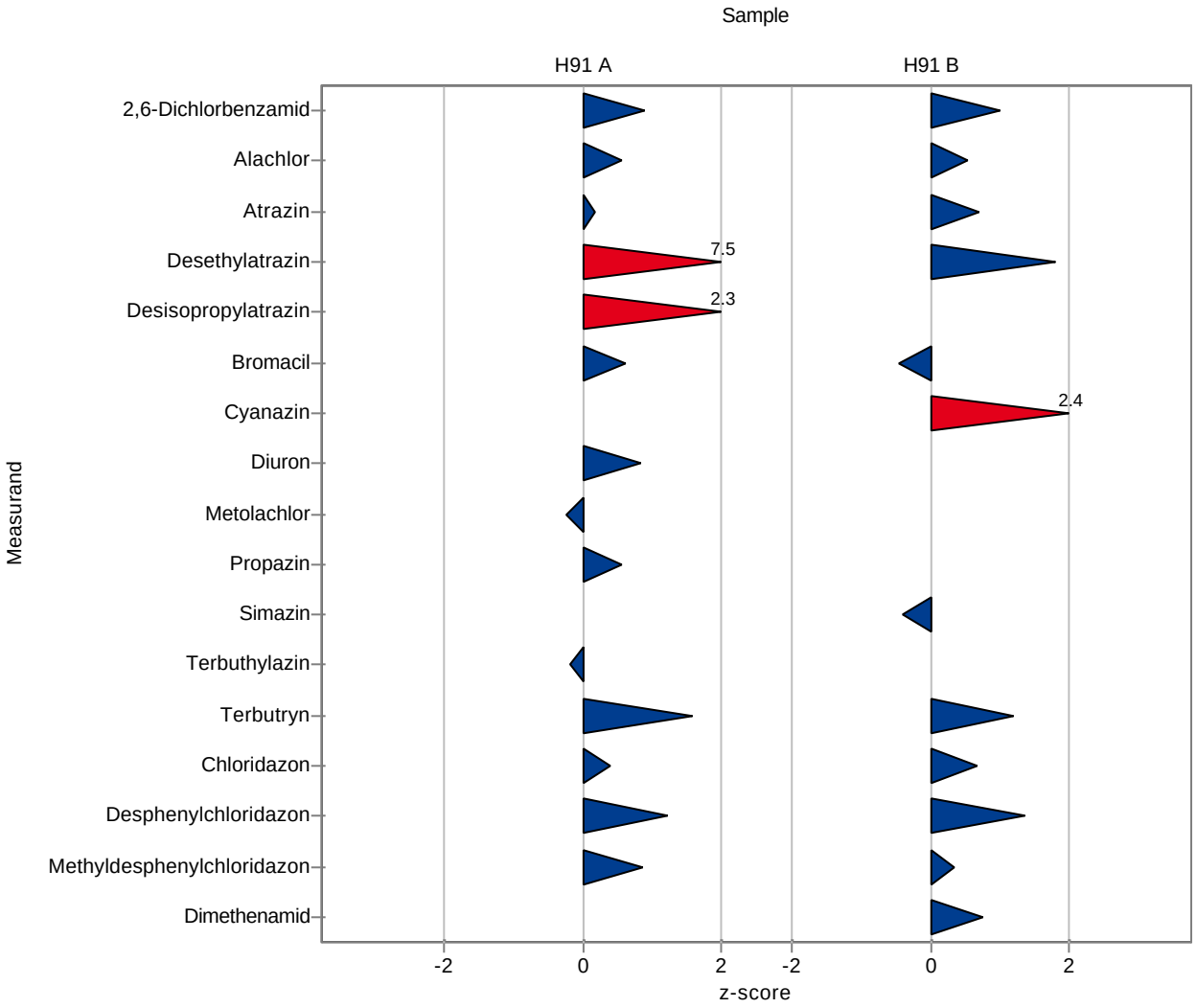
Sample: H91A

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
2,6-Dichlorbenzamid	µg/l	0.312	± 0.039	0.36	0.036	0.0536	115.2	0.89
Alachlor	µg/l	0.492	± 0.042	0.522	0.052	0.0542	106.1	0.55
Atrazin	µg/l	0.26	± 0.0159	0.265	0.04	0.0243	101.7	0.19
Desethylatrazin	µg/l	0.135	± 0.00714	0.208	0.031	0.00981	154.3	7.46
Desethylterbuthylazin	µg/l	0.299	± 0.017	-	-	0.0219	-	-
Desisopropylatrazin	µg/l	0.0859	± 0.0115	0.123	0.025	0.0163	143.2	2.28
Bromacil	µg/l	0.7	± 0.126	0.784	0.078	0.139	112.1	0.60
Cyanazin	µg/l	-	± -	<0.001 (LOD)	-	-	-	-
Diuron	µg/l	0.0857	± 0.00565	0.092	0.009	0.00753	107.4	0.84
Metolachlor	µg/l	0.113	± 0.0105	0.11	0.017	0.014	97.1	-0.24
Prometryn	µg/l	0.498	± 0.0272	-	-	0.0314	-	-
Propazin	µg/l	0.0869	± 0.00613	0.092	0.009	0.00915	105.9	0.56
Sebuthylazin	µg/l	0.0836	± 0.00641	-	-	0.0074	-	-
Simazin	µg/l	-	± -	<0.001 (LOD)	-	-	-	-
Terbuthylazin	µg/l	0.17	± 0.0101	0.168	0.025	0.0147	98.6	-0.17
Terbutryn	µg/l	0.569	± 0.0411	0.661	0.099	0.0581	116.1	1.58
Chloridazon	µg/l	0.231	± 0.0274	0.243	0.024	0.0317	105.4	0.39
Desphenylchloridazon	µg/l	0.171	± 0.0156	0.189	0.019	0.0147	110.5	1.23
Methyldesphenylchloridazon	µg/l	0.0764	± 0.012	0.088	0.009	0.0133	115.2	0.87
Desethyldesisopropylatrazin	µg/l	-	± -	-	-	-	-	-
Nicosulfuron	µg/l	-	± -	-	-	-	-	-
Dimethylsulfonamid	µg/l	0.517	± 0.0303	-	-	0.0267	-	-
Clopyralid	µg/l	-	± -	-	-	-	-	-
Dimethenamid	µg/l	-	± -	<0.001 (LOD)	-	-	-	-

Sample: H91B

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
2,6-Dichlorbenzamid	µg/l	0.834	± 0.0949	0.96	0.096	0.127	115.1	0.99
Alachlor	µg/l	0.848	± 0.0638	0.891	0.134	0.0824	105.1	0.53
Atrazin	µg/l	0.804	± 0.0575	0.866	0.13	0.0878	107.7	0.71
Desethylatrazin	µg/l	0.0104	± 0.00177	0.013	0.002	0.00144	125.0	1.80
Desethylterbuthylazin	µg/l	-	± -	-	-	-	-	-
Desisopropylatrazin	µg/l	-	± -	<0.003 (LOQ)	-	-	-	-
Bromacil	µg/l	0.405	± 0.0484	0.382	0.057	0.051	94.2	-0.46
Cyanazin	µg/l	0.208	± 0.0194	0.273	0.055	0.0274	131.2	2.37

Parameter	Unit	Target	±	CI(99%)	Result	± U	Criteria	Recovery	z-score
Diuron	µg/l	-	±	-	0.004	0.0004	-	-	-
Metolachlor	µg/l	-	±	-	<0.001 (LOD)	-	-	-	-
Prometryn	µg/l	0.384	±	0.0401	-	-	0.0482	-	-
Propazin	µg/l	-	±	-	0.009	0.002	-	-	-
Sebuthylazin	µg/l	-	±	-	-	-	-	-	-
Simazin	µg/l	0.236	±	0.0151	0.228	0.023	0.0214	96.5	-0.38
Terbuthylazin	µg/l	-	±	-	0.005	0.0005	-	-	-
Terbutryn	µg/l	0.411	±	0.0323	0.466	0.047	0.0456	113.3	1.20
Chloridazon	µg/l	0.74	±	0.105	0.821	0.082	0.121	110.9	0.67
Desphenylchloridazon	µg/l	0.714	±	0.075	0.805	0.121	0.0661	112.7	1.37
Methyldesphenylchloridazon	µg/l	0.0279	±	0.00994	0.031	0.002	0.00877	111.2	0.36
Desethyldesisopropylatrazin	µg/l	-	±	-	-	-	-	-	-
Nicosulfuron	µg/l	-	±	-	-	-	-	-	-
Dimethylsulfonamid	µg/l	-	±	-	-	-	-	-	-
Clopyralid	µg/l	-	±	-	-	-	-	-	-
Dimethenamid	µg/l	0.523	±	0.0591	0.567	0.17	0.0591	108.5	0.75


Sample
H91 A
H91 B
Measurand
2,6-Dichlorbenzamid
Alachlor
Atrazin
Desethylatrazin
Desisopropylatrazin
Bromacil
Cyanazin
Diuron
Metolachlor
Propazin
Simazin
Terbuthylazin
Terbutryn
Chloridazon
Desphenylchloridazon
Methyldesphenylchloridazon
Dimethenamid
7.5
2.3
2.4
-2
0
2
-2
0
2
z-score

The following results were achieved:

Sample: H91A

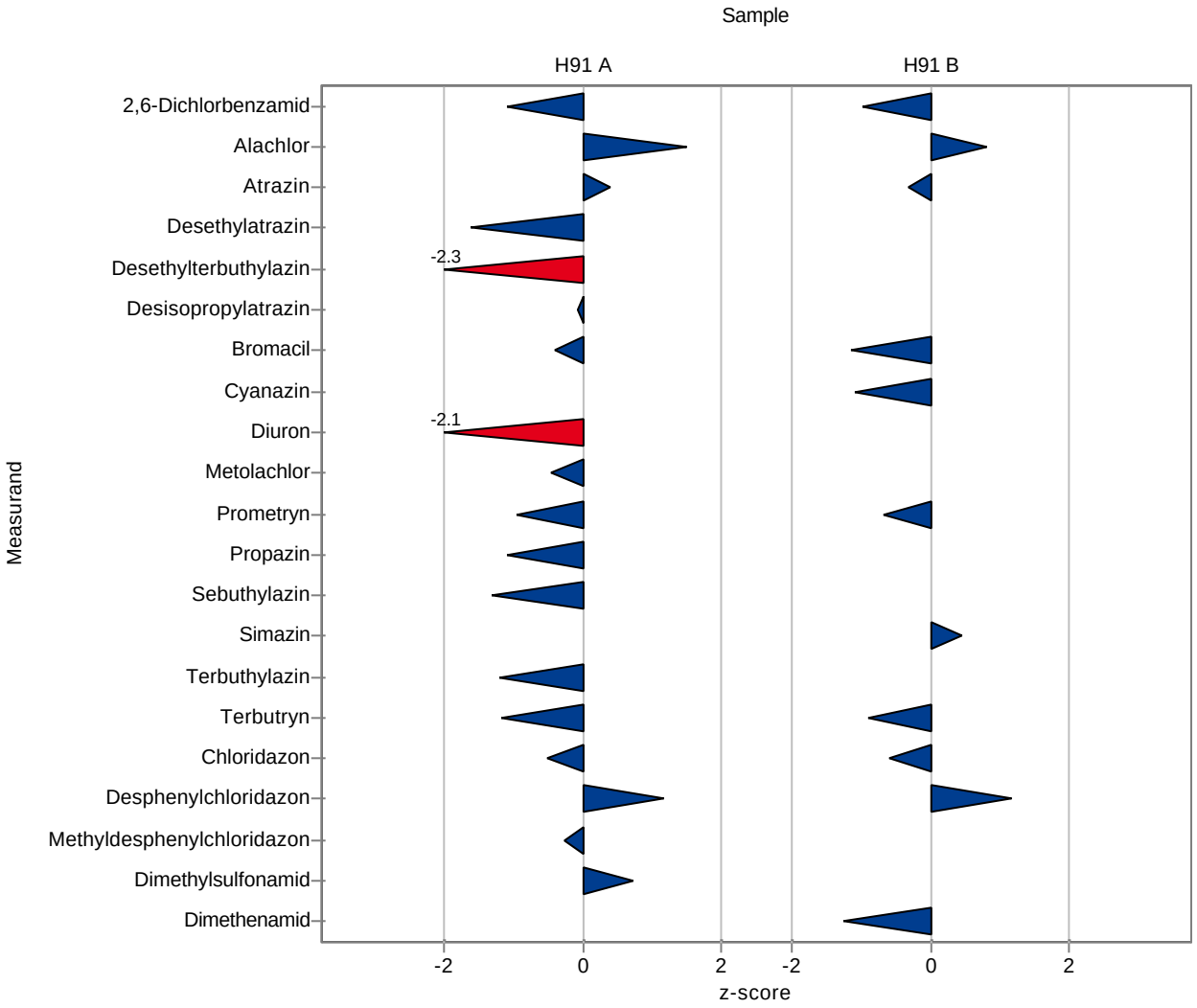
Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
2,6-Dichlorbenzamid	µg/l	0.312	± 0.039	0.254	0.038	0.0536	81.3	-1.09
Alachlor	µg/l	0.492	± 0.042	0.573	0.086	0.0542	116.4	1.49
Atrazin	µg/l	0.26	± 0.0159	0.27	0.0405	0.0243	103.7	0.39
Desethylatrazin	µg/l	0.135	± 0.00714	0.119	0.018	0.00981	88.3	-1.61
Desethylterbuthylazin	µg/l	0.299	± 0.017	0.249	0.037	0.0219	83.2	-2.30
Desisopropylatrazin	µg/l	0.0859	± 0.0115	0.085	0.0127	0.0163	99.0	-0.06
Bromacil	µg/l	0.7	± 0.126	0.643	0.096	0.139	91.9	-0.41
Cyanazin	µg/l	-	± -	<0.03 (LOQ)	-	-	-	-
Diuron	µg/l	0.0857	± 0.00565	0.07	0.0105	0.00753	81.7	-2.08
Metolachlor	µg/l	0.113	± 0.0105	0.107	0.016	0.014	94.4	-0.45
Prometryn	µg/l	0.498	± 0.0272	0.469	0.07	0.0314	94.1	-0.94
Propazin	µg/l	0.0869	± 0.00613	0.077	0.011	0.00915	88.7	-1.08
Sebuthylazin	µg/l	0.0836	± 0.00641	0.074	0.011	0.0074	88.5	-1.30
Simazin	µg/l	-	± -	<0.03 (LOQ)	-	-	-	-
Terbuthylazin	µg/l	0.17	± 0.0101	0.153	0.023	0.0147	89.8	-1.19
Terbutryn	µg/l	0.569	± 0.0411	0.502	0.075	0.0581	88.2	-1.16
Chloridazon	µg/l	0.231	± 0.0274	0.214	0.032	0.0317	92.8	-0.52
Desphenylchloridazon	µg/l	0.171	± 0.0156	0.188	0.028	0.0147	110.0	1.16
Methyldesphenylchloridazon	µg/l	0.0764	± 0.012	0.073	0.0115	0.0133	95.6	-0.25
Desethyldesisopropylatrazin	µg/l	-	± -	0.107	0.016	-	-	-
Nicosulfuron	µg/l	-	± -	<0.03 (LOQ)	-	-	-	-
Dimethylsulfonamid	µg/l	0.517	± 0.0303	0.536	0.08	0.0267	103.8	0.73
Clopyralid	µg/l	-	± -	0.362	0.054	-	-	-
Dimethenamid	µg/l	-	± -	<0.03 (LOQ)	-	-	-	-

Sample: H91B

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
2,6-Dichlorbenzamid	µg/l	0.834	± 0.0949	0.712	0.107	0.127	85.3	-0.97
Alachlor	µg/l	0.848	± 0.0638	0.914	0.137	0.0824	107.8	0.81
Atrazin	µg/l	0.804	± 0.0575	0.775	0.116	0.0878	96.4	-0.33
Desethylatrazin	µg/l	0.0104	± 0.00177	<0.03 (LOQ)	-	0.00144	-	-
Desethylterbuthylazin	µg/l	-	± -	<0.03 (LOQ)	-	-	-	-
Desisopropylatrazin	µg/l	-	± -	<0.03 (LOQ)	-	-	-	-
Bromacil	µg/l	0.405	± 0.0484	0.347	0.052	0.051	85.6	-1.15
Cyanazin	µg/l	0.208	± 0.0194	0.178	0.029	0.0274	85.5	-1.10

Summary of results Pestizide H91 Laborcode: LC0019

Parameter	Unit	Target	±	CI(99%)	Result	± U	Criteria	Recovery	z-score
Diuron	µg/l	-	±	-	<0.03 (LOQ)	-	-	-	-
Metolachlor	µg/l	-	±	-	<0.03 (LOQ)	-	-	-	-
Prometryn	µg/l	0.384	±	0.0401	0.352	0.053	0.0482	91.7	-0.66
Propazin	µg/l	-	±	-	<0.03 (LOQ)	-	-	-	-
Sebuthylazin	µg/l	-	±	-	<0.03 (LOQ)	-	-	-	-
Simazin	µg/l	0.236	±	0.0151	0.246	0.037	0.0214	104.1	0.46
Terbuthylazin	µg/l	-	±	-	<0.03 (LOQ)	-	-	-	-
Terbutryn	µg/l	0.411	±	0.0323	0.371	0.056	0.0456	90.2	-0.88
Chloridazon	µg/l	0.74	±	0.105	0.67	0.1	0.121	90.5	-0.58
Desphenylchloridazon	µg/l	0.714	±	0.075	0.791	0.118	0.0661	110.7	1.16
Methyldesphenylchloridazon	µg/l	0.0279	±	0.00994	<0.05 (LOQ)	-	0.00877	-	-
Desethyldesisopropylatrazin	µg/l	-	±	-	0.345	0.052	-	-	-
Nicosulfuron	µg/l	-	±	-	0.093	0.015	-	-	-
Dimethylsulfonamid	µg/l	-	±	-	<0.09 (LOQ)	-	-	-	-
Clopyralid	µg/l	-	±	-	0.886	0.133	-	-	-
Dimethenamid	µg/l	0.523	±	0.0591	0.449	0.07	0.0591	85.9	-1.25


Sample
H91 A
H91 B
Measurand
2,6-Dichlorbenzamid
Alachlor
Atrazin
Desethylatrazin
Desethylterbuthylazin
Desisopropylatrazin
Bromacil
Cyanazin
Diuron
Metolachlor
Prometryn
Propazin
Sebuthylazin
Simazin
Terbuthylazin
Terbutryn
Chloridazon
Desphenylchloridazon
Methyldesphenylchloridazon
Dimethylsulfonamid
Dimethenamid
-2.3
-2.1
-2
0
2
-2
0
2
z-score

The following results were achieved:

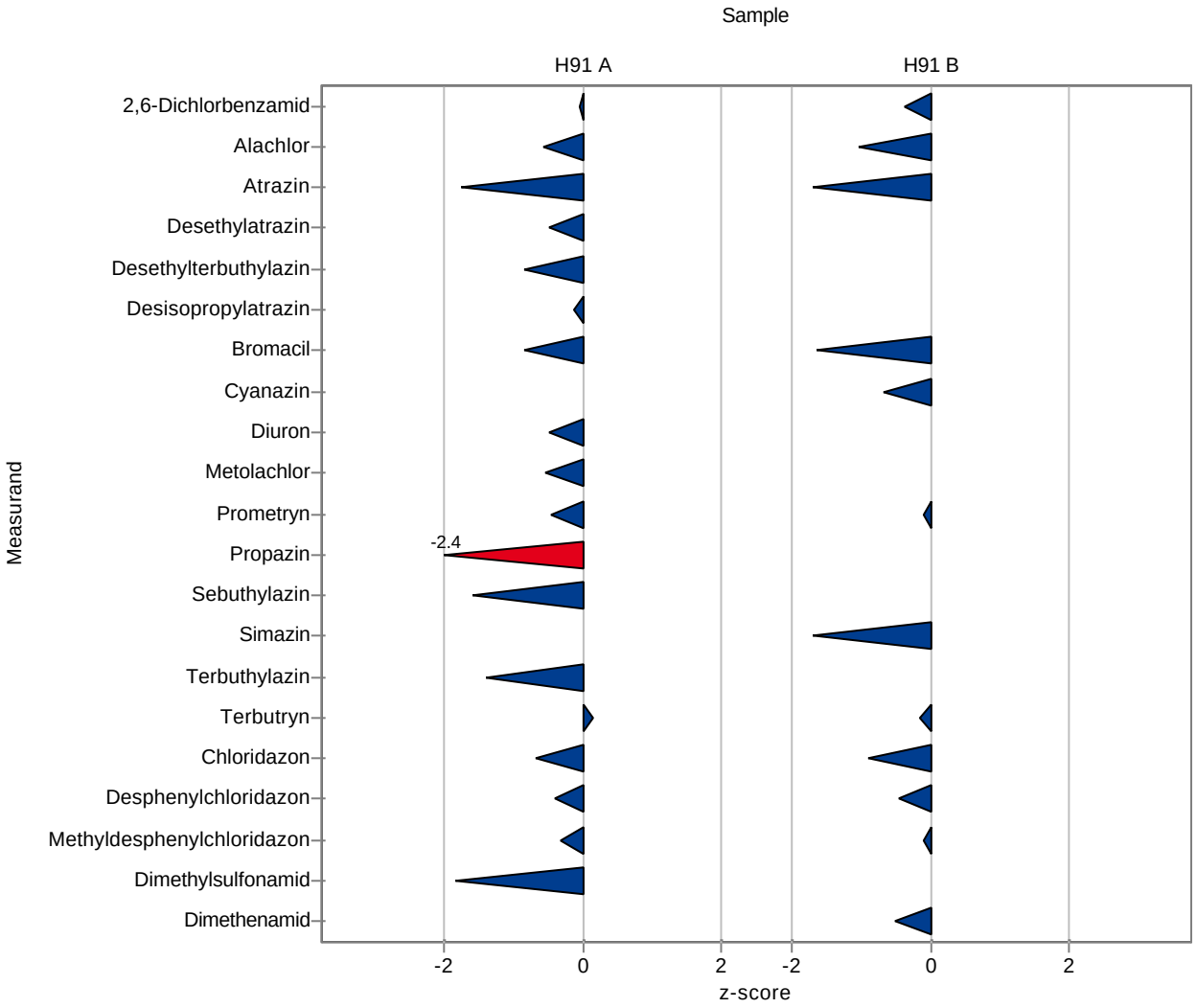
Sample: H91A

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
2,6-Dichlorbenzamid	µg/l	0.312	± 0.039	0.31	-	0.0536	99.2	-0.04
Alachlor	µg/l	0.492	± 0.042	0.461	-	0.0542	93.7	-0.58
Atrazin	µg/l	0.26	± 0.0159	0.218	-	0.0243	83.7	-1.75
Desethylatrazin	µg/l	0.135	± 0.00714	0.13	-	0.00981	96.4	-0.49
Desethylterbuthylazin	µg/l	0.299	± 0.017	0.281	-	0.0219	93.9	-0.84
Desisopropylatrazin	µg/l	0.0859	± 0.0115	0.084	-	0.0163	97.8	-0.12
Bromacil	µg/l	0.7	± 0.126	0.581	-	0.139	83.0	-0.85
Cyanazin	µg/l	-	± -	<0.02 (LOD)	-	-	-	-
Diuron	µg/l	0.0857	± 0.00565	0.082	-	0.00753	95.7	-0.49
Metolachlor	µg/l	0.113	± 0.0105	0.106	-	0.014	93.5	-0.52
Prometryn	µg/l	0.498	± 0.0272	0.484	-	0.0314	97.1	-0.46
Propazin	µg/l	0.0869	± 0.00613	0.065	-	0.00915	74.8	-2.39
Sebuthylazin	µg/l	0.0836	± 0.00641	0.072	-	0.0074	86.1	-1.57
Simazin	µg/l	-	± -	<0.02 (LOD)	-	-	-	-
Terbuthylazin	µg/l	0.17	± 0.0101	0.15	-	0.0147	88.0	-1.39
Terbutryn	µg/l	0.569	± 0.0411	0.578	-	0.0581	101.6	0.15
Chloridazon	µg/l	0.231	± 0.0274	0.209	-	0.0317	90.7	-0.68
Desphenylchloridazon	µg/l	0.171	± 0.0156	0.165	-	0.0147	96.5	-0.41
Methyldesphenylchloridazon	µg/l	0.0764	± 0.012	0.072	-	0.0133	94.3	-0.33
Desethyldesisopropylatrazin	µg/l	-	± -	<0.02 (LOQ)	-	-	-	-
Nicosulfuron	µg/l	-	± -	<0.02 (LOD)	-	-	-	-
Dimethylsulfonamid	µg/l	0.517	± 0.0303	0.468	-	0.0267	90.6	-1.82
Clopyralid	µg/l	-	± -	0.634	-	-	-	-
Dimethenamid	µg/l	-	± -	<0.02 (LOD)	-	-	-	-

Sample: H91B

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
2,6-Dichlorbenzamid	µg/l	0.834	± 0.0949	0.786	-	0.127	94.2	-0.38
Alachlor	µg/l	0.848	± 0.0638	0.762	-	0.0824	89.9	-1.04
Atrazin	µg/l	0.804	± 0.0575	0.655	-	0.0878	81.5	-1.69
Desethylatrazin	µg/l	0.0104	± 0.00177	<0.02 (LOD)	-	0.00144	-	-
Desethylterbuthylazin	µg/l	-	± -	<0.02 (LOD)	-	-	-	-
Desisopropylatrazin	µg/l	-	± -	<0.02 (LOD)	-	-	-	-
Bromacil	µg/l	0.405	± 0.0484	0.322	-	0.051	79.4	-1.64
Cyanazin	µg/l	0.208	± 0.0194	0.19	-	0.0274	91.3	-0.66

Parameter	Unit	Target	±	CI(99%)	Result	± U	Criteria	Recovery	z-score
Diuron	µg/l	-	±	-	<0.02 (LOD)	-	-	-	-
Metolachlor	µg/l	-	±	-	<0.02 (LOD)	-	-	-	-
Prometryn	µg/l	0.384	±	0.0401	0.379	-	0.0482	98.7	-0.10
Propazin	µg/l	-	±	-	<0.02 (LOD)	-	-	-	-
Sebuthylazin	µg/l	-	±	-	<0.02 (LOD)	-	-	-	-
Simazin	µg/l	0.236	±	0.0151	0.2	-	0.0214	84.7	-1.70
Terbuthylazin	µg/l	-	±	-	<0.02 (LOD)	-	-	-	-
Terbutryn	µg/l	0.411	±	0.0323	0.405	-	0.0456	98.5	-0.14
Chloridazon	µg/l	0.74	±	0.105	0.633	-	0.121	85.5	-0.88
Desphenylchloridazon	µg/l	0.714	±	0.075	0.684	-	0.0661	95.8	-0.46
Methyldesphenylchloridazon	µg/l	0.0279	±	0.00994	0.027	-	0.00877	96.9	-0.10
Desethyldesisopropylatrazin	µg/l	-	±	-	0.099	-	-	-	-
Nicosulfuron	µg/l	-	±	-	0.072	-	-	-	-
Dimethylsulfonamid	µg/l	-	±	-	<0.02 (LOD)	-	-	-	-
Clopyralid	µg/l	-	±	-	0.97	-	-	-	-
Dimethenamid	µg/l	0.523	±	0.0591	0.492	-	0.0591	94.1	-0.52


Sample
H91 A
H91 B
Measurand
2,6-Dichlorbenzamid
Alachlor
Atrazin
Desethylatrazin
Desethylterbuthylazin
Desisopropylatrazin
Bromacil
Cyanazin
Diuron
Metolachlor
Prometryn
Propazin
Sebuthylazin
Simazin
Terbuthylazin
Terbutryn
Chloridazon
Desphenylchloridazon
Methyldesphenylchloridazon
Dimethylsulfonamid
Dimethenamid
-2.4
-2
0
2
-2
0
2
z-score

The following results were achieved:

Sample: H91A

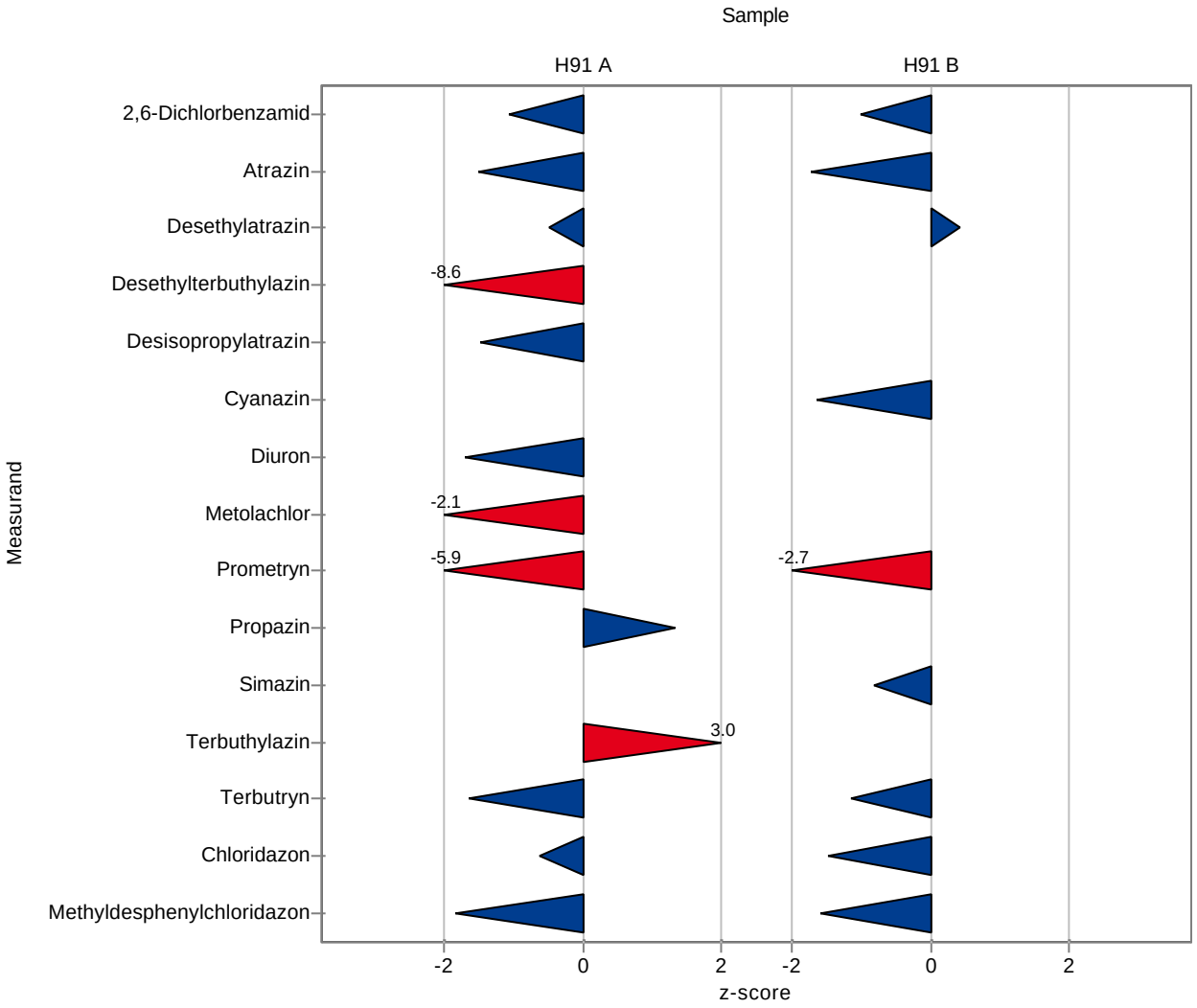
Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
2,6-Dichlorbenzamid	µg/l	0.312	± 0.039	0.255	0.042	0.0536	81.6	-1.07
Alachlor	µg/l	0.492	± 0.042	-	-	0.0542	-	-
Atrazin	µg/l	0.26	± 0.0159	0.224	0.009	0.0243	86.0	-1.50
Desethylatrazin	µg/l	0.135	± 0.00714	0.13	0.012	0.00981	96.4	-0.49
Desethylterbuthylazin	µg/l	0.299	± 0.017	0.11	0.013	0.0219	36.8	-8.65
Desisopropylatrazin	µg/l	0.0859	± 0.0115	0.062	0.012	0.0163	72.2	-1.47
Bromacil	µg/l	0.7	± 0.126	-	-	0.139	-	-
Cyanazin	µg/l	-	± -	<0.001 (LOQ)	-	-	-	-
Diuron	µg/l	0.0857	± 0.00565	0.073	0.003	0.00753	85.2	-1.68
Metolachlor	µg/l	0.113	± 0.0105	0.084	0.004	0.014	74.1	-2.09
Prometryn	µg/l	0.498	± 0.0272	0.314	0.036	0.0314	63.0	-5.88
Propazin	µg/l	0.0869	± 0.00613	0.099	0.005	0.00915	114.0	1.33
Sebuthylazin	µg/l	0.0836	± 0.00641	-	-	0.0074	-	-
Simazin	µg/l	-	± -	<0.001 (LOQ)	-	-	-	-
Terbuthylazin	µg/l	0.17	± 0.0101	0.214	0.013	0.0147	125.5	2.96
Terbutryn	µg/l	0.569	± 0.0411	0.475	0.019	0.0581	83.5	-1.62
Chloridazon	µg/l	0.231	± 0.0274	0.211	0.028	0.0317	91.5	-0.62
Desphenylchloridazon	µg/l	0.171	± 0.0156	-	-	0.0147	-	-
Methyldesphenylchloridazon	µg/l	0.0764	± 0.012	0.052	0.006	0.0133	68.1	-1.83
Desethyldesisopropylatrazin	µg/l	-	± -	-	-	-	-	-
Nicosulfuron	µg/l	-	± -	-	-	-	-	-
Dimethylsulfonamid	µg/l	0.517	± 0.0303	-	-	0.0267	-	-
Clopyralid	µg/l	-	± -	-	-	-	-	-
Dimethenamid	µg/l	-	± -	-	-	-	-	-

Sample: H91B

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
2,6-Dichlorbenzamid	µg/l	0.834	± 0.0949	0.709	0.116	0.127	85.0	-0.99
Alachlor	µg/l	0.848	± 0.0638	-	-	0.0824	-	-
Atrazin	µg/l	0.804	± 0.0575	0.653	0.027	0.0878	81.2	-1.72
Desethylatrazin	µg/l	0.0104	± 0.00177	0.011	0.001	0.00144	105.8	0.42
Desethylterbuthylazin	µg/l	-	± -	0.002	0.0002	-	-	-
Desisopropylatrazin	µg/l	-	± -	<0.01 (LOQ)	-	-	-	-
Bromacil	µg/l	0.405	± 0.0484	-	-	0.051	-	-
Cyanazin	µg/l	0.208	± 0.0194	0.163	0.024	0.0274	78.3	-1.65

Summary of results Pestizide H91 Laborcode: LC0021

Parameter	Unit	Target	±	CI(99%)	Result	± U	Criteria	Recovery	z-score
Diuron	µg/l	-	±	-	0.005	0.0002	-	-	-
Metolachlor	µg/l	-	±	-	<0.001 (LOQ)	-	-	-	-
Prometryn	µg/l	0.384	±	0.0401	0.255	0.03	0.0482	66.4	-2.67
Propazin	µg/l	-	±	-	0.008	0.0004	-	-	-
Sebuthylazin	µg/l	-	±	-	-	-	-	-	-
Simazin	µg/l	0.236	±	0.0151	0.219	0.023	0.0214	92.7	-0.81
Terbuthylazin	µg/l	-	±	-	0.004	0.0002	-	-	-
Terbutryn	µg/l	0.411	±	0.0323	0.359	0.014	0.0456	87.3	-1.15
Chloridazon	µg/l	0.74	±	0.105	0.562	0.075	0.121	75.9	-1.47
Desphenylchloridazon	µg/l	0.714	±	0.075	-	-	0.0661	-	-
Methyldesphenylchloridazon	µg/l	0.0279	±	0.00994	0.014	0.002	0.00877	50.2	-1.58
Desethyldesisopropylatrazin	µg/l	-	±	-	-	-	-	-	-
Nicosulfuron	µg/l	-	±	-	-	-	-	-	-
Dimethylsulfonamid	µg/l	-	±	-	-	-	-	-	-
Clopyralid	µg/l	-	±	-	-	-	-	-	-
Dimethenamid	µg/l	0.523	±	0.0591	-	-	0.0591	-	-


Sample
H91 A
H91 B
Measurand
2,6-Dichlorbenzamid
Atrazin
Desethylatrazin
Desethylterbuthylazin
Desisopropylatrazin
Cyanazin
Diuron
Metolachlor
Prometryn
Propazin
Simazin
Terbuthylazin
Terbutryn
Chloridazon
Methyldesphenylchloridazon
-8.6
-2.1
-5.9
-2.7
3.0
-2
0
2
z-score

The following results were achieved:

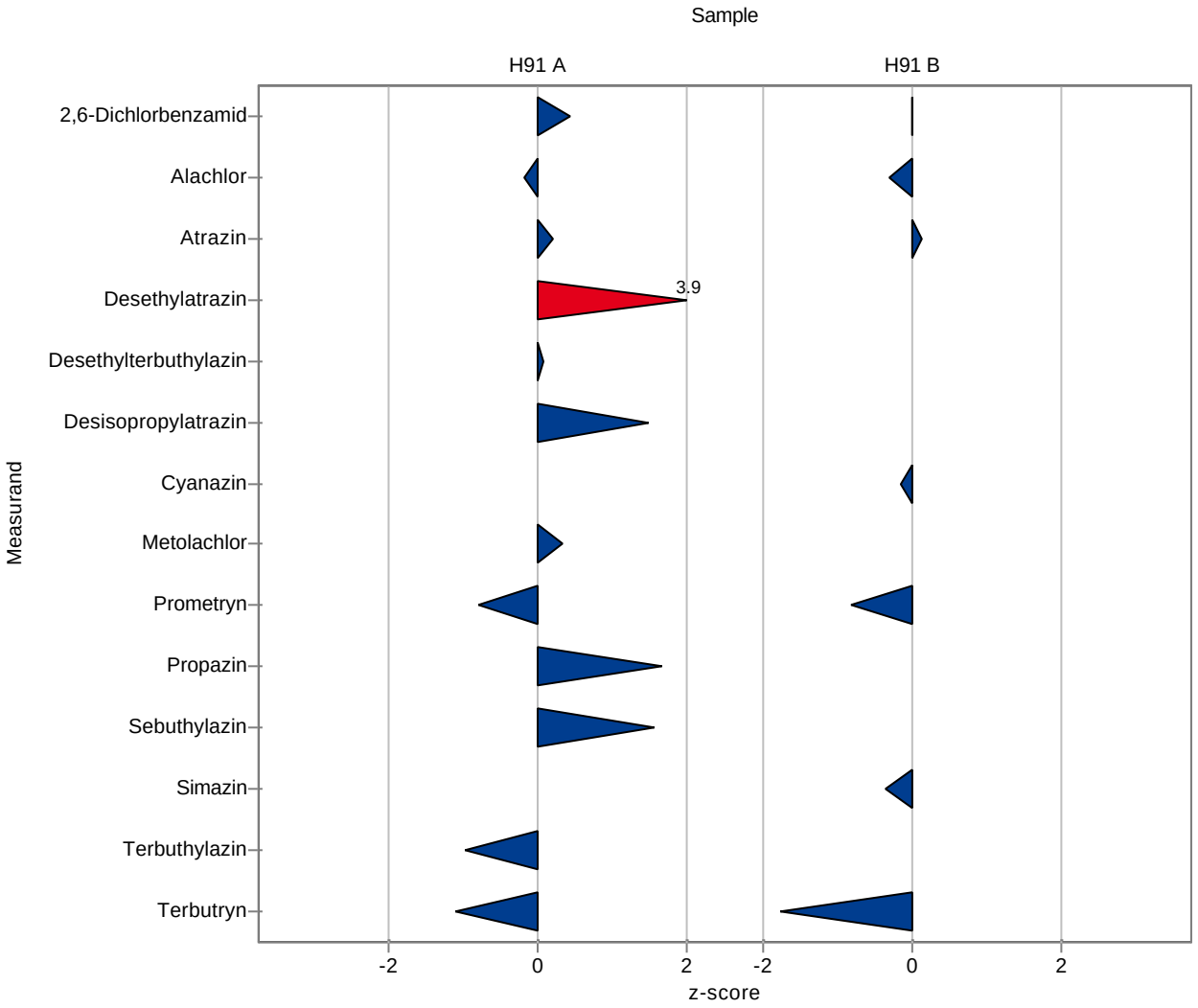
Sample: H91A

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
2,6-Dichlorbenzamid	µg/l	0.312	± 0.039	0.335	0.089	0.0536	107.2	0.42
Alachlor	µg/l	0.492	± 0.042	0.482	0.154	0.0542	97.9	-0.19
Atrazin	µg/l	0.26	± 0.0159	0.265	0.08	0.0243	101.7	0.19
Desethylatrazin	µg/l	0.135	± 0.00714	0.173	0.069	0.00981	128.3	3.89
Desethylterbuthylazin	µg/l	0.299	± 0.017	0.301	0.096	0.0219	100.6	0.08
Desisopropylatrazin	µg/l	0.0859	± 0.0115	0.11	0.04	0.0163	128.1	1.48
Bromacil	µg/l	0.7	± 0.126	-	-	0.139	-	-
Cyanazin	µg/l	-	± -	<0.05 (LOQ)	-	-	-	-
Diuron	µg/l	0.0857	± 0.00565	-	-	0.00753	-	-
Metolachlor	µg/l	0.113	± 0.0105	0.118	0.034	0.014	104.1	0.33
Prometryn	µg/l	0.498	± 0.0272	0.473	0.14	0.0314	94.9	-0.81
Propazin	µg/l	0.0869	± 0.00613	0.102	0.028	0.00915	117.4	1.66
Sebuthylazin	µg/l	0.0836	± 0.00641	0.095	0.027	0.0074	113.6	1.54
Simazin	µg/l	-	± -	<0.05 (LOQ)	-	-	-	-
Terbuthylazin	µg/l	0.17	± 0.0101	0.156	0.027	0.0147	91.5	-0.98
Terbutryn	µg/l	0.569	± 0.0411	0.505	0.131	0.0581	88.7	-1.10
Chloridazon	µg/l	0.231	± 0.0274	-	-	0.0317	-	-
Desphenylchloridazon	µg/l	0.171	± 0.0156	-	-	0.0147	-	-
Methyldesphenylchloridazon	µg/l	0.0764	± 0.012	-	-	0.0133	-	-
Desethyldesisopropylatrazin	µg/l	-	± -	-	-	-	-	-
Nicosulfuron	µg/l	-	± -	-	-	-	-	-
Dimethylsulfonamid	µg/l	0.517	± 0.0303	-	-	0.0267	-	-
Clopyralid	µg/l	-	± -	-	-	-	-	-
Dimethenamid	µg/l	-	± -	-	-	-	-	-

Sample: H91B

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
2,6-Dichlorbenzamid	µg/l	0.834	± 0.0949	0.835	0.221	0.127	100.1	0.01
Alachlor	µg/l	0.848	± 0.0638	0.824	0.264	0.0824	97.2	-0.29
Atrazin	µg/l	0.804	± 0.0575	0.815	0.245	0.0878	101.4	0.13
Desethylatrazin	µg/l	0.0104	± 0.00177	<0.05 (LOQ)	-	0.00144	-	-
Desethylterbuthylazin	µg/l	-	± -	<0.05 (LOQ)	-	-	-	-
Desisopropylatrazin	µg/l	-	± -	<0.05 (LOQ)	-	-	-	-
Bromacil	µg/l	0.405	± 0.0484	-	-	0.051	-	-
Cyanazin	µg/l	0.208	± 0.0194	0.204	0.065	0.0274	98.0	-0.15

Parameter	Unit	Target	±	CI(99%)	Result	± U	Criteria	Recovery	z-score
Diuron	µg/l	-	±	-	-	-	-	-	-
Metolachlor	µg/l	-	±	-	<0.05 (LOQ)	-	-	-	-
Prometryn	µg/l	0.384	±	0.0401	0.345	0.102	0.0482	89.9	-0.81
Propazin	µg/l	-	±	-	<0.05 (LOQ)	-	-	-	-
Sebuthylazin	µg/l	-	±	-	<0.05 (LOQ)	-	-	-	-
Simazin	µg/l	0.236	±	0.0151	0.229	0.097	0.0214	96.9	-0.34
Terbuthylazin	µg/l	-	±	-	<0.05 (LOQ)	-	-	-	-
Terbutryn	µg/l	0.411	±	0.0323	0.331	0.086	0.0456	80.5	-1.76
Chloridazon	µg/l	0.74	±	0.105	-	-	0.121	-	-
Desphenylchloridazon	µg/l	0.714	±	0.075	-	-	0.0661	-	-
Methyldesphenylchloridazon	µg/l	0.0279	±	0.00994	-	-	0.00877	-	-
Desethyldesisopropylatrazin	µg/l	-	±	-	-	-	-	-	-
Nicosulfuron	µg/l	-	±	-	-	-	-	-	-
Dimethylsulfonamid	µg/l	-	±	-	-	-	-	-	-
Clopyralid	µg/l	-	±	-	-	-	-	-	-
Dimethenamid	µg/l	0.523	±	0.0591	-	-	0.0591	-	-


Sample
H91 A
H91 B
2,6-Dichlorbenzamid
Alachlor
Atrazin
Desethylatrazin
Desethylterbuthylazin
Desisopropylatrazin
Cyanazin
Metolachlor
Prometryn
Propazin
Sebuthylazin
Simazin
Terbuthylazin
Terbutryn
3.9
Measurand
-2
0
2
-2
0
2
z-score

The following results were achieved:

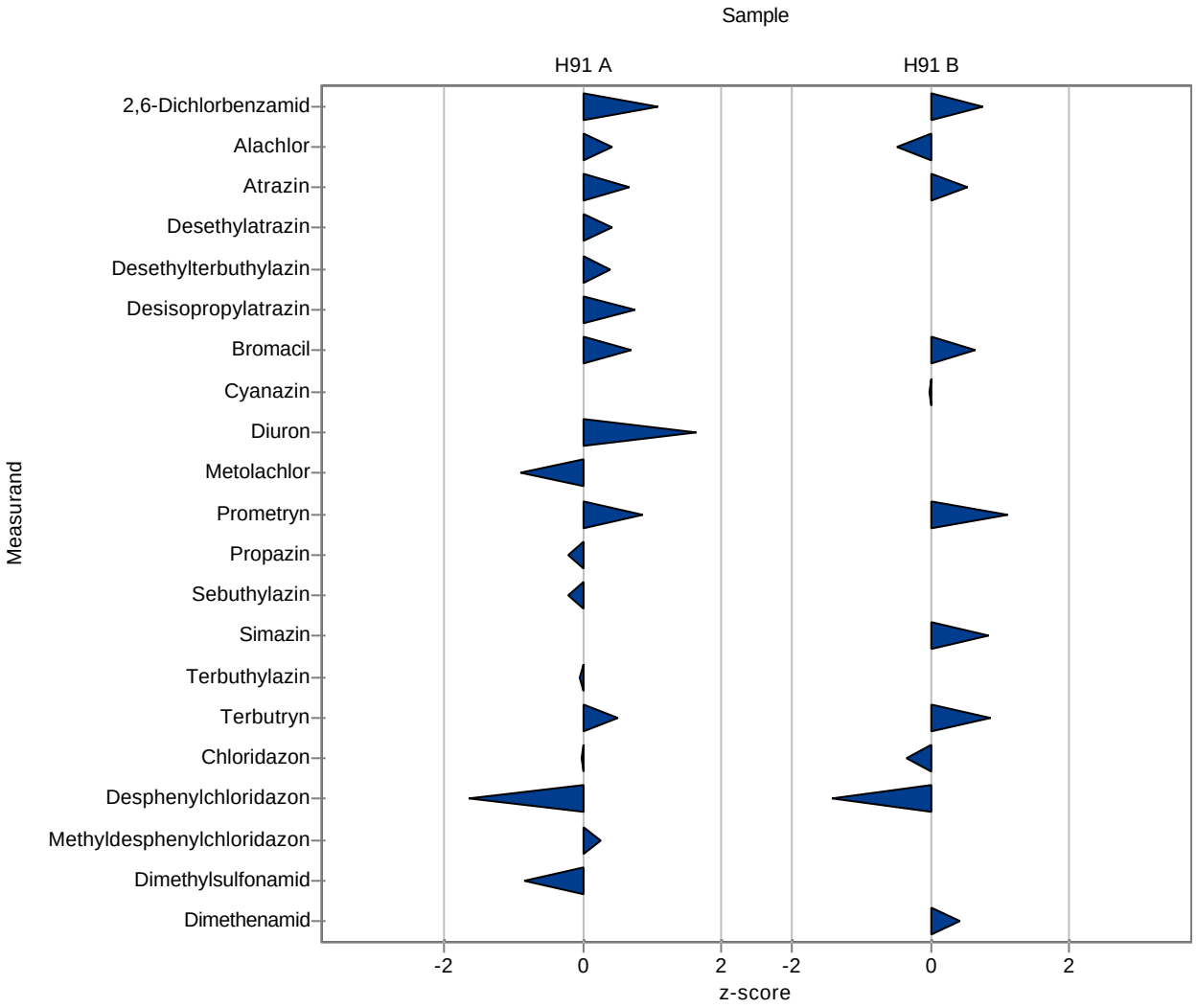
Sample: H91A

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
2,6-Dichlorbenzamid	µg/l	0.312	± 0.039	0.371	0.056	0.0536	118.8	1.09
Alachlor	µg/l	0.492	± 0.042	0.515	0.052	0.0542	104.6	0.42
Atrazin	µg/l	0.26	± 0.0159	0.277	0.028	0.0243	106.3	0.68
Desethylatrazin	µg/l	0.135	± 0.00714	0.139	0.014	0.00981	103.1	0.43
Desethylterbuthylazin	µg/l	0.299	± 0.017	0.308	0.031	0.0219	102.9	0.40
Desisopropylatrazin	µg/l	0.0859	± 0.0115	0.098	0.01	0.0163	114.1	0.74
Bromacil	µg/l	0.7	± 0.126	0.799	0.12	0.139	114.2	0.71
Cyanazin	µg/l	-	± -	<0.03 (LOQ)	-	-	-	-
Diuron	µg/l	0.0857	± 0.00565	0.098	0.015	0.00753	114.4	1.64
Metolachlor	µg/l	0.113	± 0.0105	0.101	0.01	0.014	89.1	-0.88
Prometryn	µg/l	0.498	± 0.0272	0.526	0.079	0.0314	105.5	0.88
Propazin	µg/l	0.0869	± 0.00613	0.085	0.009	0.00915	97.9	-0.20
Sebuthylazin	µg/l	0.0836	± 0.00641	0.082	0.009	0.0074	98.1	-0.22
Simazin	µg/l	-	± -	<0.03 (LOQ)	-	-	-	-
Terbuthylazin	µg/l	0.17	± 0.0101	0.17	0.017	0.0147	99.7	-0.03
Terbutryn	µg/l	0.569	± 0.0411	0.599	0.09	0.0581	105.2	0.51
Chloridazon	µg/l	0.231	± 0.0274	0.23	0.035	0.0317	99.8	-0.02
Desphenylchloridazon	µg/l	0.171	± 0.0156	0.147	0.022	0.0147	86.0	-1.63
Methyldesphenylchloridazon	µg/l	0.0764	± 0.012	0.08	0.012	0.0133	104.8	0.27
Desethyldesisopropylatrazin	µg/l	-	± -	0.076	0.011	-	-	-
Nicosulfuron	µg/l	-	± -	<0.05 (LOQ)	-	-	-	-
Dimethylsulfonamid	µg/l	0.517	± 0.0303	0.494	0.074	0.0267	95.6	-0.84
Clopyralid	µg/l	-	± -	0.539	0.081	-	-	-
Dimethenamid	µg/l	-	± -	<0.035 (LOQ)	-	-	-	-

Sample: H91B

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
2,6-Dichlorbenzamid	µg/l	0.834	± 0.0949	0.931	0.14	0.127	111.6	0.76
Alachlor	µg/l	0.848	± 0.0638	0.808	0.081	0.0824	95.3	-0.48
Atrazin	µg/l	0.804	± 0.0575	0.851	0.085	0.0878	105.9	0.54
Desethylatrazin	µg/l	0.0104	± 0.00177	<0.03 (LOQ)	-	0.00144	-	-
Desethylterbuthylazin	µg/l	-	± -	<0.03 (LOQ)	-	-	-	-
Desisopropylatrazin	µg/l	-	± -	<0.03 (LOQ)	-	-	-	-
Bromacil	µg/l	0.405	± 0.0484	0.438	0.066	0.051	108.0	0.64
Cyanazin	µg/l	0.208	± 0.0194	0.208	0.021	0.0274	99.9	0.00

Parameter	Unit	Target	±	CI(99%)	Result	± U	Criteria	Recovery	z-score
Diuron	µg/l	-	±	-	<0.03 (LOQ)	-	-	-	-
Metolachlor	µg/l	-	±	-	<0.03 (LOQ)	-	-	-	-
Prometryn	µg/l	0.384	±	0.0401	0.438	0.066	0.0482	114.1	1.12
Propazin	µg/l	-	±	-	<0.03 (LOQ)	-	-	-	-
Sebuthylazin	µg/l	-	±	-	<0.03 (LOQ)	-	-	-	-
Simazin	µg/l	0.236	±	0.0151	0.254	0.026	0.0214	107.5	0.83
Terbuthylazin	µg/l	-	±	-	<0.03 (LOQ)	-	-	-	-
Terbutryn	µg/l	0.411	±	0.0323	0.451	0.068	0.0456	109.7	0.87
Chloridazon	µg/l	0.74	±	0.105	0.698	0.105	0.121	94.3	-0.35
Desphenylchloridazon	µg/l	0.714	±	0.075	0.62	0.093	0.0661	86.8	-1.43
Methyldesphenylchloridazon	µg/l	0.0279	±	0.00994	<0.05 (LOQ)	-	0.00877	-	-
Desethyldesisopropylatrazin	µg/l	-	±	-	0.31	0.046	-	-	-
Nicosulfuron	µg/l	-	±	-	0.086	0.013	-	-	-
Dimethylsulfonamid	µg/l	-	±	-	<0.07 (LOQ)	-	-	-	-
Clopyralid	µg/l	-	±	-	0.87	0.131	-	-	-
Dimethenamid	µg/l	0.523	±	0.0591	0.548	0.082	0.0591	104.8	0.43


Sample
H91 A
H91 B
Measurand
2,6-Dichlorbenzamid
Alachlor
Atrazin
Desethylatrazin
Desethylterbuthylazin
Desisopropylatrazin
Bromacil
Cyanazin
Diuron
Metolachlor
Prometryn
Propazin
Sebuthylazin
Simazin
Terbuthylazin
Terbutryn
Chloridazon
Desphenylchloridazon
Methyldesphenylchloridazon
Dimethylsulfonamid
Dimethenamid
-2
0
2
-2
0
2
z-score

The following results were achieved:

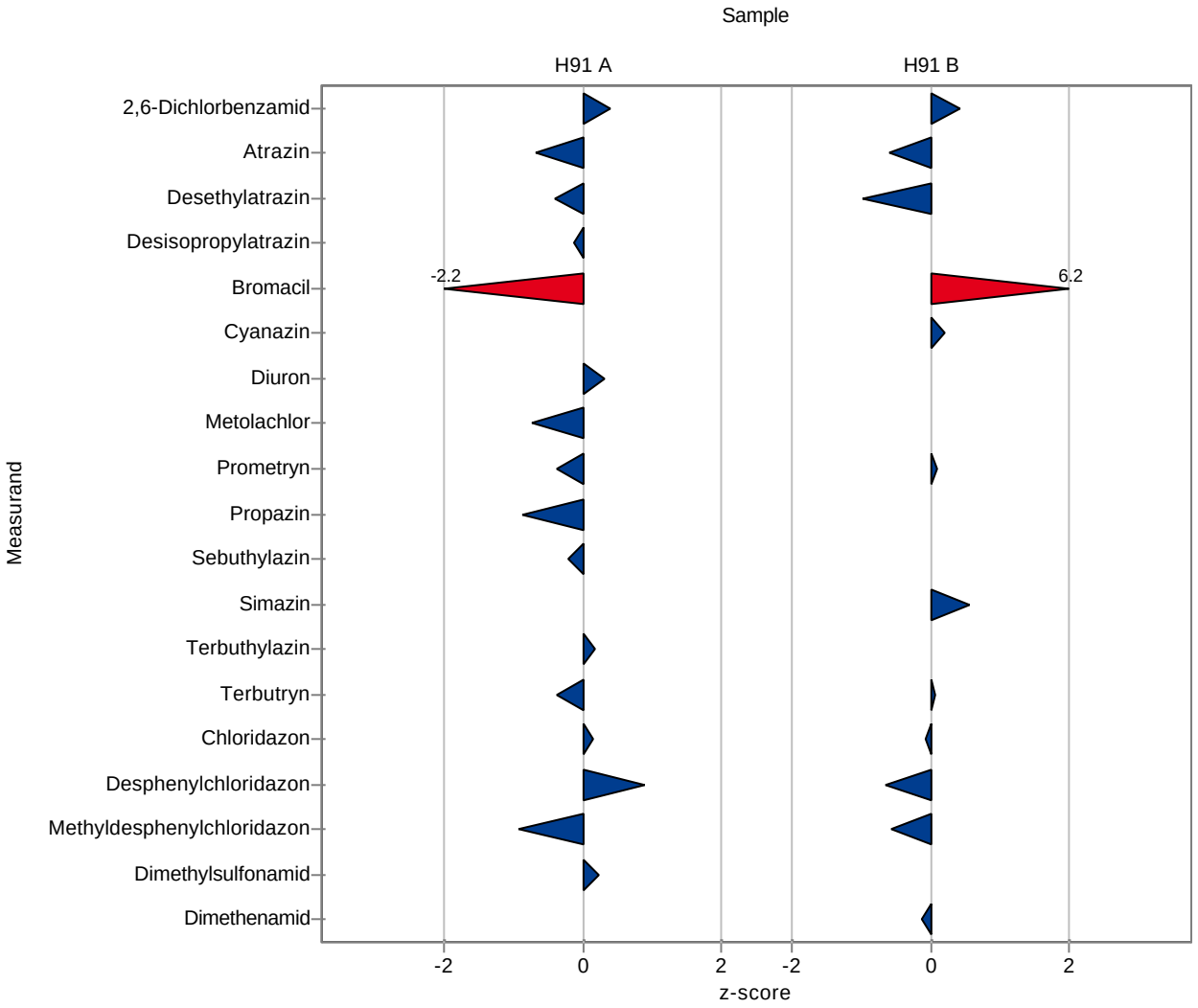
Sample: H91A

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
2,6-Dichlorbenzamid	µg/l	0.312	± 0.039	0.333	0.067	0.0536	106.6	0.38
Alachlor	µg/l	0.492	± 0.042	-	-	0.0542	-	-
Atrazin	µg/l	0.26	± 0.0159	0.244	0.049	0.0243	93.7	-0.68
Desethylatrazin	µg/l	0.135	± 0.00714	0.131	0.026	0.00981	97.2	-0.39
Desethylterbuthylazin	µg/l	0.299	± 0.017	-	-	0.0219	-	-
Desisopropylatrazin	µg/l	0.0859	± 0.0115	0.084	0.016	0.0163	97.8	-0.12
Bromacil	µg/l	0.7	± 0.126	0.387	0.077	0.139	55.3	-2.24
Cyanazin	µg/l	-	± -	<0.005 (LOQ)	-	-	-	-
Diuron	µg/l	0.0857	± 0.00565	0.088	0.018	0.00753	102.7	0.31
Metolachlor	µg/l	0.113	± 0.0105	0.103	0.021	0.014	90.9	-0.74
Prometryn	µg/l	0.498	± 0.0272	0.487	0.097	0.0314	97.7	-0.36
Propazin	µg/l	0.0869	± 0.00613	0.079	0.016	0.00915	91.0	-0.86
Sebuthylazin	µg/l	0.0836	± 0.00641	0.082	0.016	0.0074	98.1	-0.22
Simazin	µg/l	-	± -	<0.005 (LOQ)	-	-	-	-
Terbuthylazin	µg/l	0.17	± 0.0101	0.173	0.035	0.0147	101.5	0.17
Terbutryn	µg/l	0.569	± 0.0411	0.548	0.11	0.0581	96.3	-0.36
Chloridazon	µg/l	0.231	± 0.0274	0.235	0.047	0.0317	101.9	0.14
Desphenylchloridazon	µg/l	0.171	± 0.0156	0.184	0.037	0.0147	107.6	0.89
Methyldesphenylchloridazon	µg/l	0.0764	± 0.012	0.064	0.013	0.0133	83.8	-0.93
Desethyldesisopropylatrazin	µg/l	-	± -	-	-	-	-	-
Nicosulfuron	µg/l	-	± -	-	-	-	-	-
Dimethylsulfonamid	µg/l	0.517	± 0.0303	0.523	0.105	0.0267	101.2	0.24
Clopyralid	µg/l	-	± -	-	-	-	-	-
Dimethenamid	µg/l	-	± -	<0.005 (LOQ)	-	-	-	-

Sample: H91B

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
2,6-Dichlorbenzamid	µg/l	0.834	± 0.0949	0.888	0.178	0.127	106.4	0.42
Alachlor	µg/l	0.848	± 0.0638	-	-	0.0824	-	-
Atrazin	µg/l	0.804	± 0.0575	0.751	0.15	0.0878	93.4	-0.60
Desethylatrazin	µg/l	0.0104	± 0.00177	0.009	0.002	0.00144	86.5	-0.97
Desethylterbuthylazin	µg/l	-	± -	-	-	-	-	-
Desisopropylatrazin	µg/l	-	± -	<0.005 (LOQ)	-	-	-	-
Bromacil	µg/l	0.405	± 0.0484	0.723	0.145	0.051	178.3	6.23
Cyanazin	µg/l	0.208	± 0.0194	0.214	0.043	0.0274	102.8	0.21

Parameter	Unit	Target	±	CI(99%)	Result	± U	Criteria	Recovery	z-score
Diuron	µg/l	-	±	-	<0.005 (LOQ)	-	-	-	-
Metolachlor	µg/l	-	±	-	<0.005 (LOQ)	-	-	-	-
Prometryn	µg/l	0.384	±	0.0401	0.388	0.078	0.0482	101.1	0.08
Propazin	µg/l	-	±	-	0.008	0.002	-	-	-
Sebuthylazin	µg/l	-	±	-	<0.005 (LOQ)	-	-	-	-
Simazin	µg/l	0.236	±	0.0151	0.248	0.05	0.0214	105.0	0.55
Terbuthylazin	µg/l	-	±	-	<0.005 (LOQ)	-	-	-	-
Terbutryn	µg/l	0.411	±	0.0323	0.415	0.083	0.0456	100.9	0.08
Chloridazon	µg/l	0.74	±	0.105	0.731	0.147	0.121	98.8	-0.08
Desphenylchloridazon	µg/l	0.714	±	0.075	0.671	0.134	0.0661	93.9	-0.66
Methyldesphenylchloridazon	µg/l	0.0279	±	0.00994	0.023	0.005	0.00877	82.5	-0.56
Desethyldesisopropylatrazin	µg/l	-	±	-	-	-	-	-	-
Nicosulfuron	µg/l	-	±	-	-	-	-	-	-
Dimethylsulfonamid	µg/l	-	±	-	<0.05 (LOQ)	-	-	-	-
Clopyralid	µg/l	-	±	-	-	-	-	-	-
Dimethenamid	µg/l	0.523	±	0.0591	0.515	0.103	0.0591	98.5	-0.13


Sample
H91 A
H91 B
2,6-Dichlorbenzamid
Atrazin
Desethylatrazin
Desisopropylatrazin
Bromacil
Cyanazin
Diuron
Metolachlor
Prometryn
Propazin
Sebuthylazin
Simazin
Terbuthylazin
Terbutryn
Chloridazon
Desphenylchloridazon
Methyldesphenylchloridazon
Dimethylsulfonamid
Dimethenamid
-2.2
6.2
Measurand
-2
0
2
-2
0
2
z-score