ENVIRONMENT AGENCY AUSTRIA umweltbundesamt

EVALUATION OF THE INTERLABORATORY COMPARISON TEST

Pesticides H95

Sample dispatch on 14th June 2016

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1 Interlaboratory comparison test: Pesticides – H95

1.1 Participants and time schedule

- Number of registrations: 27
- Number of submitted data records: 25
- Dispatch of samples: 14th June 2016
- Closing date for submission of data: 19th July 2016

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

1.2 Sampling, sample material and distribution

The following samples were made available:

- 1 Sample ground water (H95 A)
- 1 Sample surface water (H95 B)

The sampling of the ground- and surface water was carried out on 13th June 2016 (Sample A) and on 14th June 2016 (Sample B), respectively.

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

The samples were partly spiked with specific substances and were filled into bottles under continuous stirring to achieve homogeneous samples. The samples were dispatched on 14th June 2016.

Each participant received (according to the order) :

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

1.3 Control testing

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

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

2 Evaluation

The analytical results had to be made available to the organiser not later than 19th July 2016. Any values received at a later date were not considered. A statistical evaluation of interlaboratory comparison data was only carried out if at least 6 valid results per parameter were available.

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

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

z-Score

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

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

In this context,

x_i is the measurement value of the participating laboratory.

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

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

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

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

3 Representation and interpretation of measurement results

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

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

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

4 Explanatory notes

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

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

- Cf. Glyphosate sample H95 B (n=9)
- Cf. Glufosinate sample H95 A (n=6)

Parameter Glufosinate: The results of H95 A (n=6) and H95 B (n=9) show comparable concentrations. When comparing the relative reproducibility standard deviation (RSD) of the samples it is noticeable that the RSD of sample H94 B exceeds the RSD of sample H94 A by a factor of about 10.

Sample H95 A: For the parameters Dichlorprop, Glyphosate, Metazachlor and Metolachlor no target value was calculated because of the low analyte content and/or the small number of submitted results.

Sample H95 B: For the parameters Alachlor and Metazachlor OA no target value was calculated because of the low analyte content and/or the small number of submitted results.

5 Annotations on tables and charts

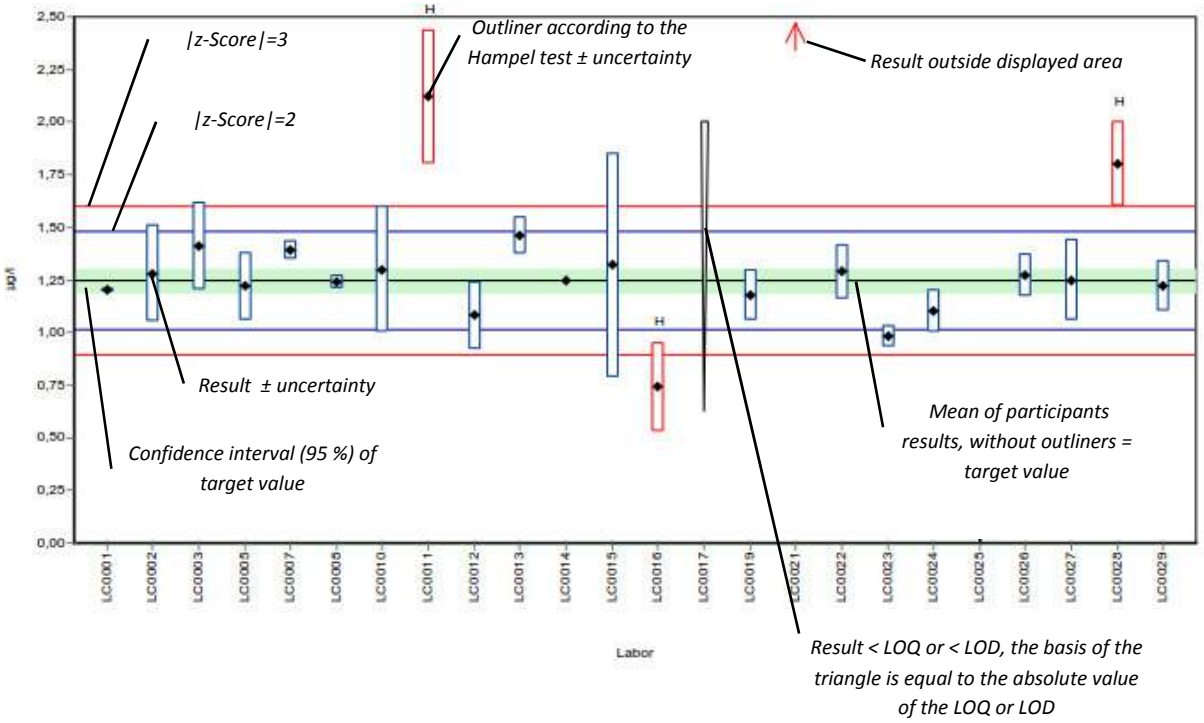
5.1 Information and abbreviations in tables

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

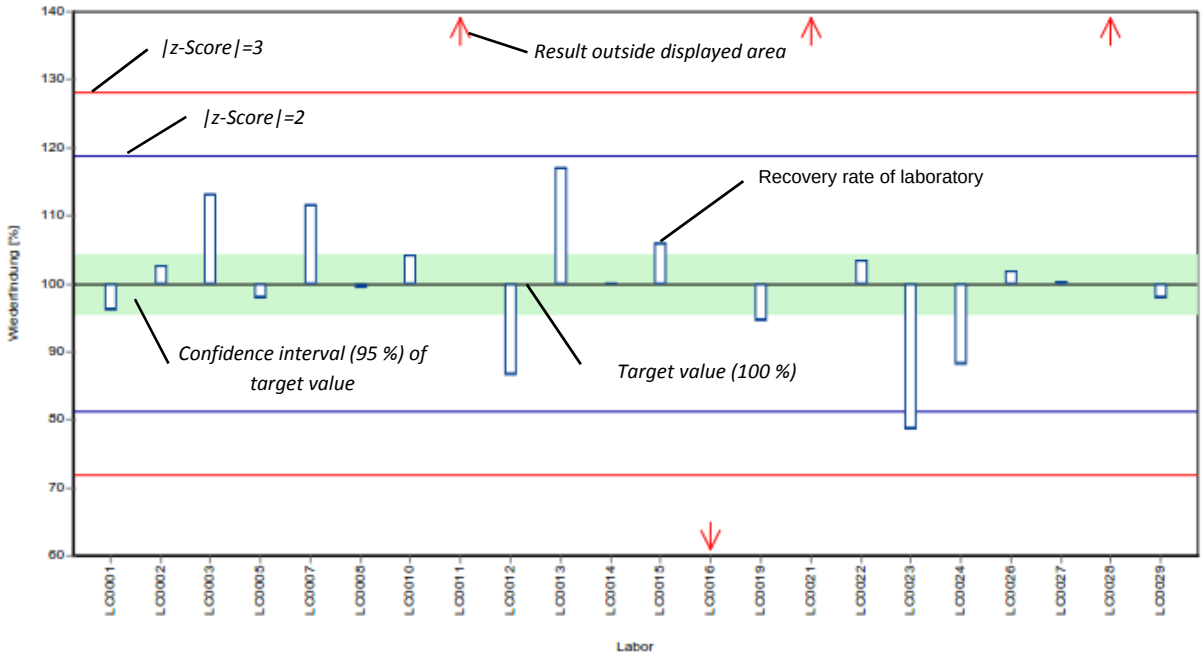
	Result that exceeds the median of the absolute values of the transmitted LOQs or LODs by more than 100 %.
Standard deviation	Reproducibility standard deviation, calculated from the participants results (3 significant digits)
Rel. standard deviation	Reproducibility standard deviation, calculated from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

5.2 Graphical presentation of results

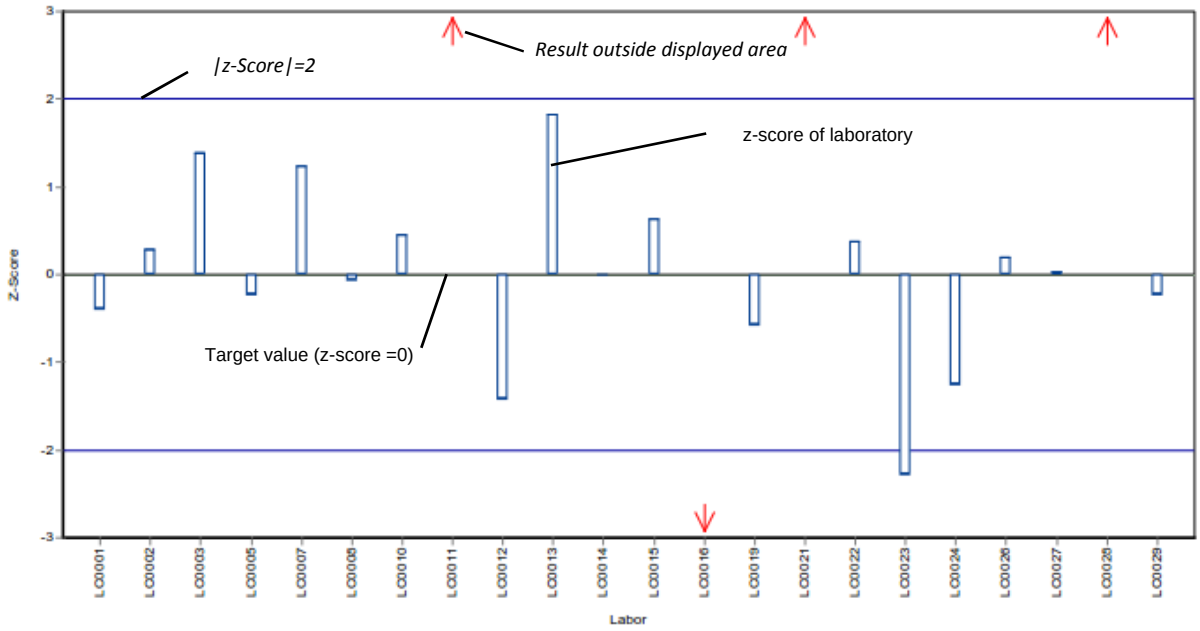
Example chart: Results



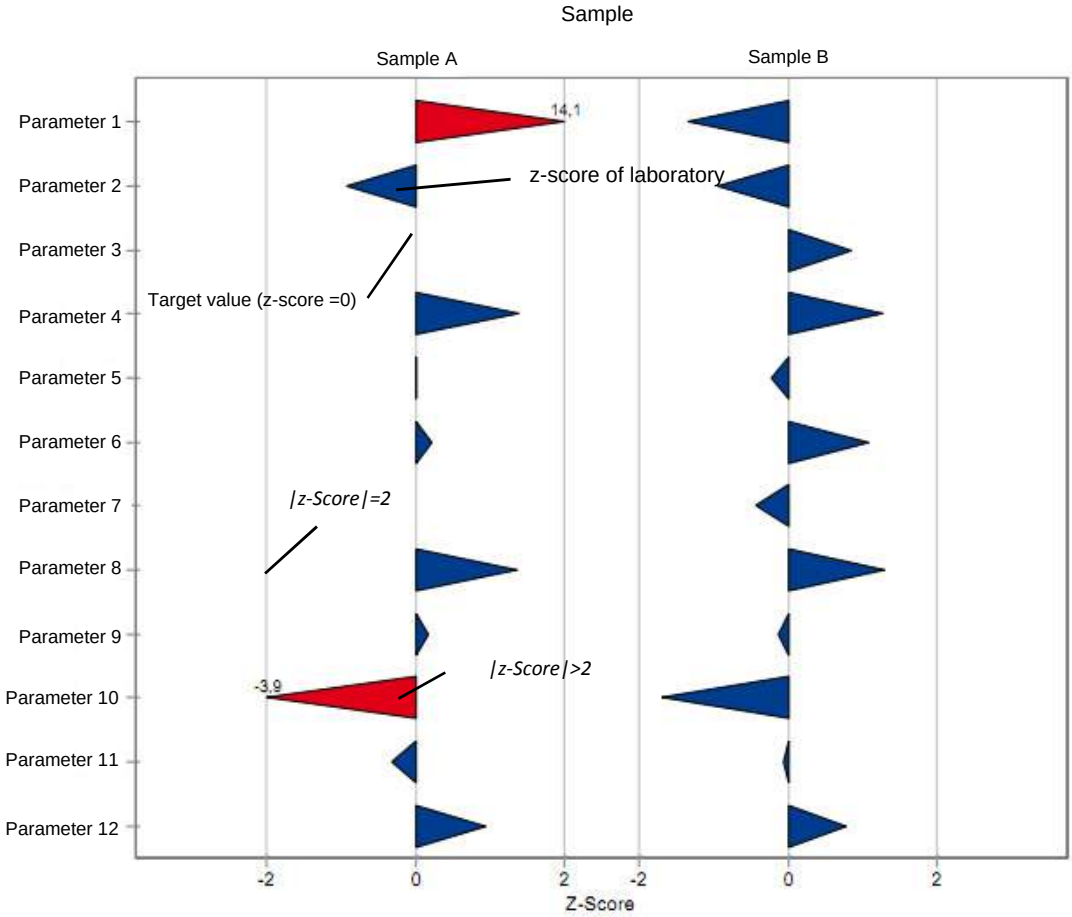
Example chart: Recovery



Example chart: z-score



Example chart: z-score - laboratory oriented report



6 Summary of results, after removal of outliers

Parameter	Sample	Unit	Number of results for calculation	Number of outliers	Mean	±	CI (99%)	Minimum	Maximum	SD	RSD %
2,4,5-Trichlorophenoxyacetic acid	H95 A	µg/l	13	0	0.718	±	0.156	0.423	0.944	0.187	26
	H95 B	µg/l	13	0	0.34	±	0.0704	0.19	0.526	0.0846	25
2,4-D	H95 A	µg/l	16	1	0.571	±	0.0809	0.289	0.722	0.108	19
	H95 B	µg/l	15	1	0.311	±	0.0291	0.247	0.371	0.0376	12
Alachlor	H95 A	µg/l	14	1	0.601	±	0.0443	0.514	0.718	0.0553	9.2
	H95 B	µg/l	1	0	-	±	-	0.0344	0.0344	-	-
Alachlor ESA	H95 A	µg/l	6	0	0.494	±	0.108	0.384	0.602	0.0881	18
	H95 B	µg/l	6	0	0.836	±	0.19	0.592	1.02	0.155	19
Alachlor OA	H95 A	µg/l	6	2	0.465	±	0.0383	0.406	0.496	0.0313	6.7
	H95 B	µg/l	8	0	0.641	±	0.115	0.474	0.797	0.109	17
AMPA	H95 A	µg/l	7	0	0.156	±	0.0221	0.127	0.18	0.0195	13
	H95 B	µg/l	9	1	0.924	±	0.137	0.7	1.16	0.137	15
Bentazone	H95 A	µg/l	18	0	0.303	±	0.0581	0.129	0.471	0.0821	27
	H95 B	µg/l	16	2	0.501	±	0.061	0.326	0.651	0.0813	16
Dicamba	H95 A	µg/l	12	1	0.362	±	0.0657	0.2	0.494	0.0758	21
	H95 B	µg/l	12	1	0.292	±	0.06	0.15	0.376	0.0693	24
Dichlorprop	H95 A	µg/l	1	0	-	±	-	0.2	0.2	-	-
	H95 B	µg/l	16	1	0.821	±	0.0943	0.563	1.02	0.126	15
Glufosinate	H95 A	µg/l	6	1	0.412	±	0.0135	0.392	0.424	0.011	2.7
	H95 B	µg/l	9	0	0.349	±	0.101	0.23	0.512	0.101	29
Glyphosate	H95 A	µg/l	0	0	-	±	-	-	-	-	-
	H95 B	µg/l	9	1	0.544	±	0.177	0.343	0.9	0.177	33
Mecoprop	H95 A	µg/l	16	1	0.237	±	0.0292	0.199	0.32	0.0389	16
	H95 B	µg/l	15	2	0.391	±	0.0319	0.317	0.486	0.0412	11
Metazachlor	H95 A	µg/l	0	0	-	±	-	-	-	-	-
	H95 B	µg/l	17	1	0.65	±	0.0424	0.576	0.765	0.0583	9
Metazachlor ESA	H95 A	µg/l	10	1	0.672	±	0.182	0.252	0.954	0.192	29

Summary of results, after removal of outliers: Pesticides H95

Parameter	Sample	Unit	Number of results for calculation	Number of outliers	Mean	± CI (99%)	Minimum	Maximum	SD	RSD %
Metazachlor ESA	H95 B	µg/l	9	1	0.201	± 0.0327	0.166	0.262	0.0327	16
Metazachlor OA	H95 A	µg/l	6	3	0.0805	± 0.0111	0.067	0.091	0.00905	11
	H95 B	µg/l	2	0	-	± -	0.00553	0.663	-	-
Metolachlor	H95 A	µg/l	0	0	-	± -	-	-	-	-
	H95 B	µg/l	18	1	0.193	± 0.0188	0.143	0.243	0.0266	14
Metolachlor ESA	H95 A	µg/l	11	2	0.196	± 0.0323	0.113	0.253	0.0357	18
	H95 B	µg/l	12	1	0.28	± 0.0305	0.236	0.349	0.0352	13
Metolachlor OA	H95 A	µg/l	10	1	0.282	± 0.0314	0.239	0.327	0.0331	12
	H95 B	µg/l	11	1	0.542	± 0.0718	0.44	0.69	0.0794	15

7 Parameter oriented report

Parameter oriented report

H95 A

2,4,5-Trichlorophenoxyacetic acid

Unit	µg/l
Mean ± CI (99%)	0.718 ± 0.156
Minimum - Maximum	0.423 - 0.944
Control test value ± U	0.936 ± 0.0532

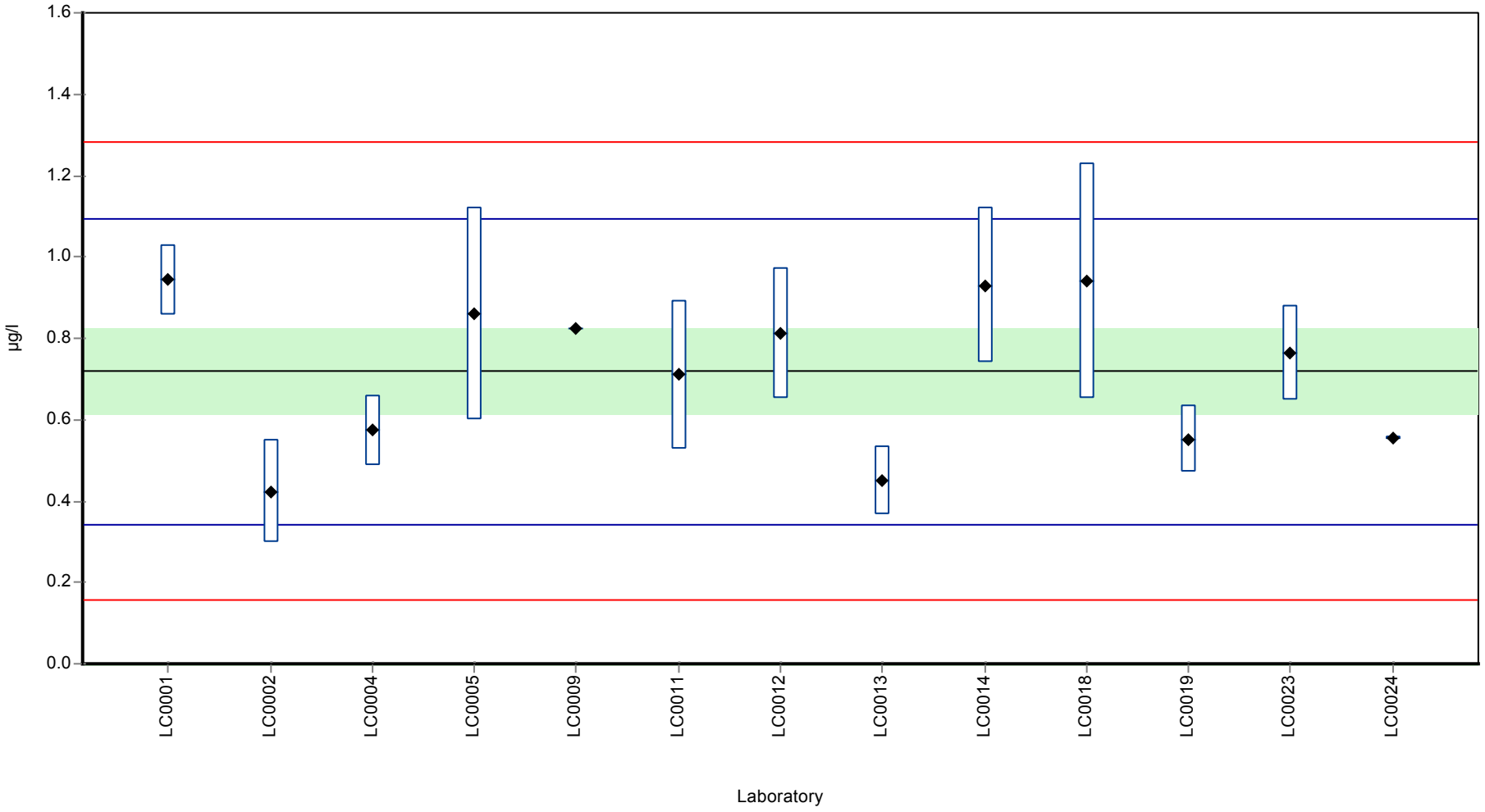
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.9435	0.0855	131	1.2	
LC0002	0.423	0.127	58.9	-1.58	
LC0003	-	-	-	-	
LC0004	0.574	0.0861	79.9	-0.77	
LC0005	0.86	0.26	120	0.76	
LC0006	-	-	-	-	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	0.825	-	115	0.57	
LC0010	-	-	-	-	
LC0011	0.71	0.184	98.8	-0.04	
LC0012	0.812	0.162	113	0.5	
LC0013	0.4505	0.0856	62.7	-1.43	
LC0014	0.93	0.19	129	1.13	
LC0015	-	-	-	-	
LC0016	-	-	-	-	
LC0017	-	-	-	-	
LC0018	0.9412	0.2883	131	1.19	
LC0019	0.552	0.083	76.8	-0.89	
LC0020	-	-	-	-	
LC0021	-	-	-	-	
LC0022	-	-	-	-	
LC0023	0.764	0.115	106	0.24	
LC0024	0.55458	0.0026	77.2	-0.87	
LC0025	-	-	-	-	
LC0026	-	-	-	-	
LC0027	-	-	-	-	

Characteristics of parameter

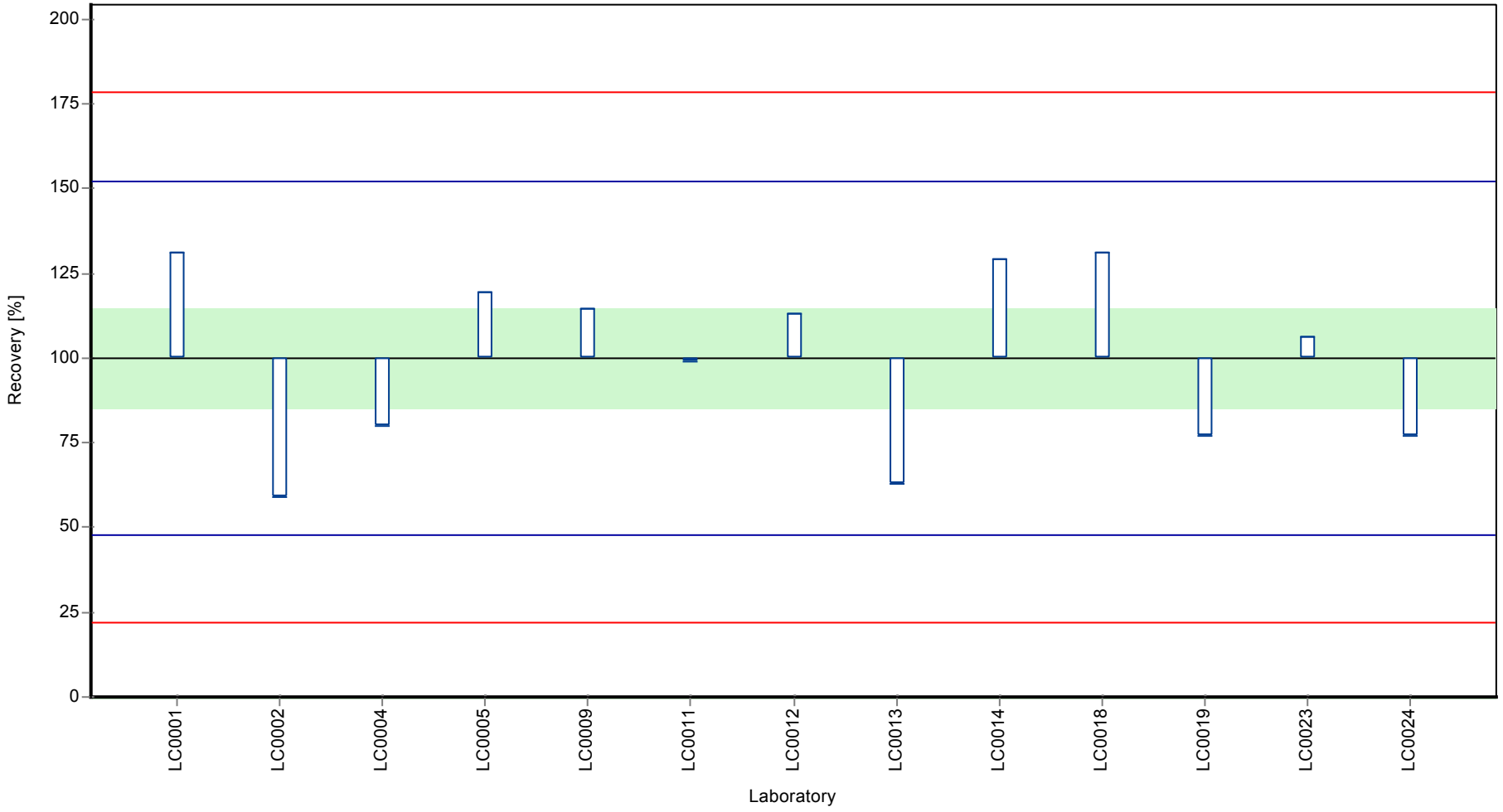
	all results	without outliers	Unit
Mean ± CI (99%)	0.718 ± 0.156	0.718 ± 0.156	µg/l
Minimum	0.423	0.423	µg/l
Maximum	0.944	0.944	µg/l
Standard deviation	0.187	0.187	µg/l
rel. Standard deviation	26.1	26.1	%
n	13	13	-

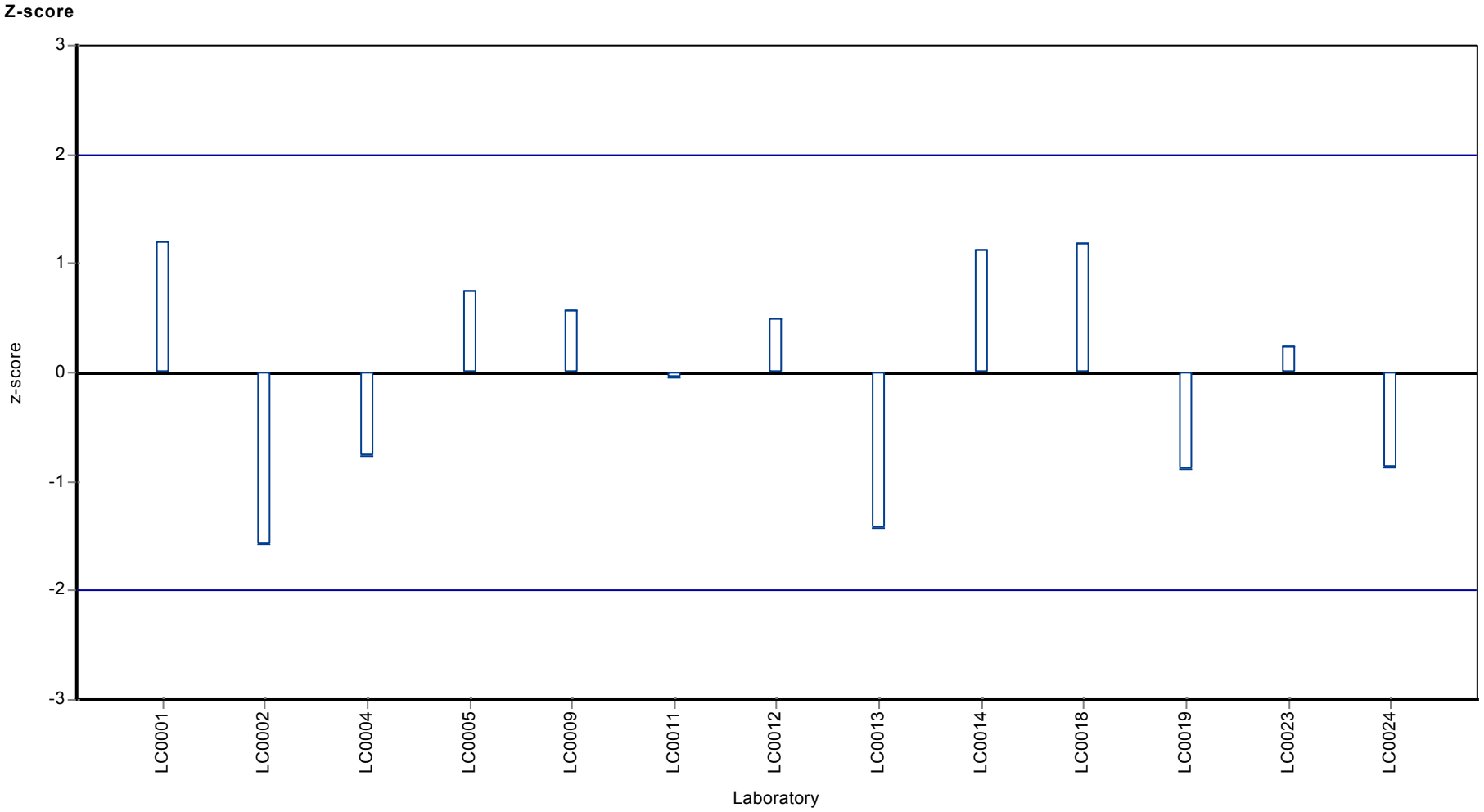
Graphical presentation of results

Results



Recovery rate




Z-score
3
2
1
0
-1
-2
-3
z-score
LC0001
LC0002
LC0004
LC0005
LC0009
LC0011
LC0012
LC0013
LC0014
LC0018
LC0019
LC0023
LC0024
Laboratory

Parameter oriented report

H95 B

2,4,5-Trichlorophenoxyacetic acid

Unit	µg/l
Mean ± CI (99%)	0.34 ± 0.0704
Minimum - Maximum	0.19 - 0.526
Control test value ± U	0.417 ± 0.0737

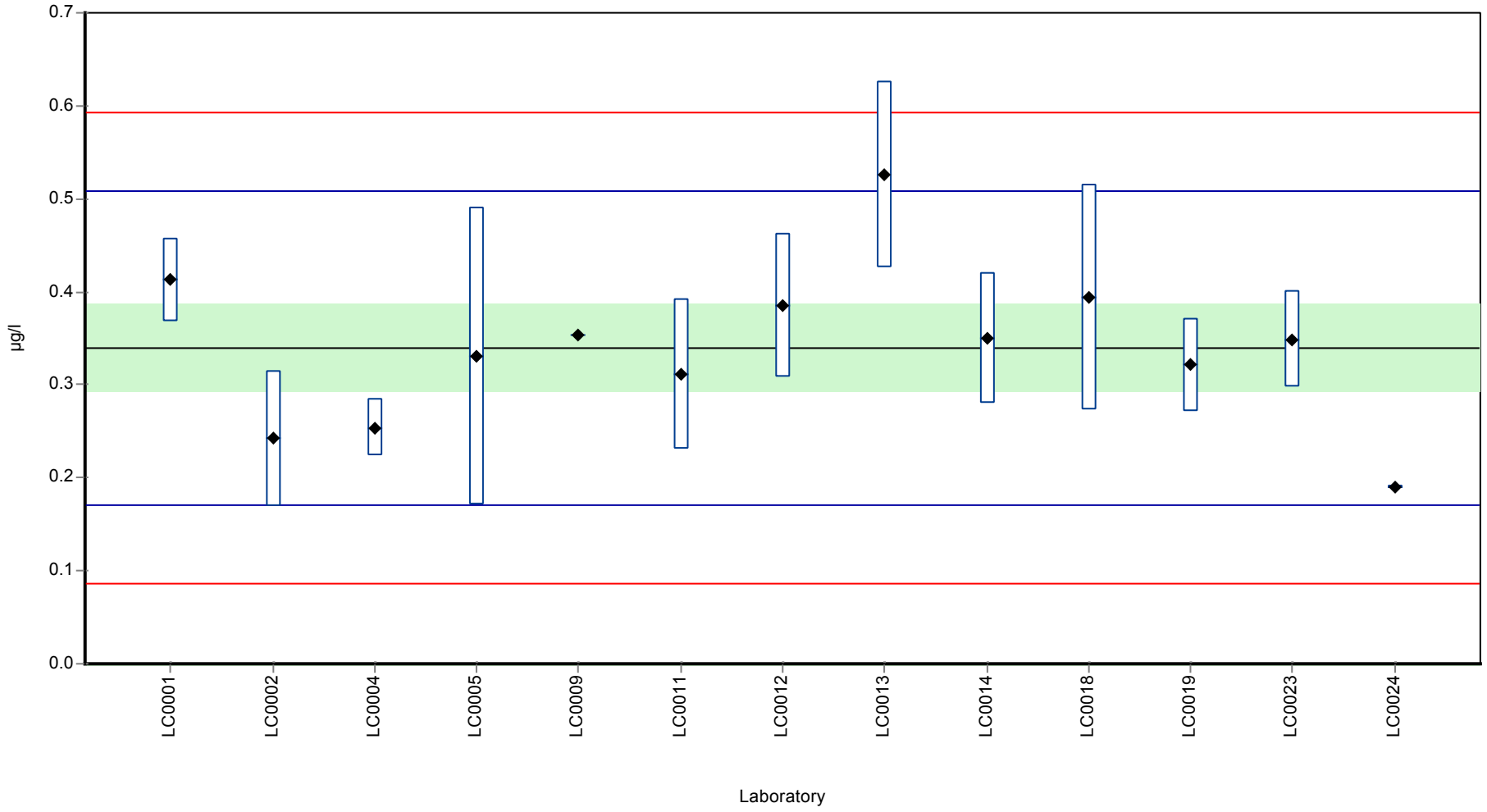
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.4128	0.0446	121	0.86	
LC0002	0.242	0.073	71.2	-1.16	
LC0003	-	-	-	-	
LC0004	0.254	0.031	74.7	-1.02	
LC0005	0.33	0.16	97.1	-0.12	
LC0006	-	-	-	-	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	0.354	-	104	0.17	
LC0010	-	-	-	-	
LC0011	0.311	0.081	91.5	-0.34	
LC0012	0.385	0.077	113	0.53	
LC0013	0.5257	0.0999	155	2.2	
LC0014	0.35	0.07	103	0.12	
LC0015	-	-	-	-	
LC0016	-	-	-	-	
LC0017	-	-	-	-	
LC0018	0.3939	0.1207	116	0.64	
LC0019	0.321	0.05	94.4	-0.22	
LC0020	-	-	-	-	
LC0021	-	-	-	-	
LC0022	-	-	-	-	
LC0023	0.349	0.052	103	0.11	
LC0024	0.19036	0.002	56	-1.77	
LC0025	-	-	-	-	
LC0026	-	-	-	-	
LC0027	-	-	-	-	

Characteristics of parameter

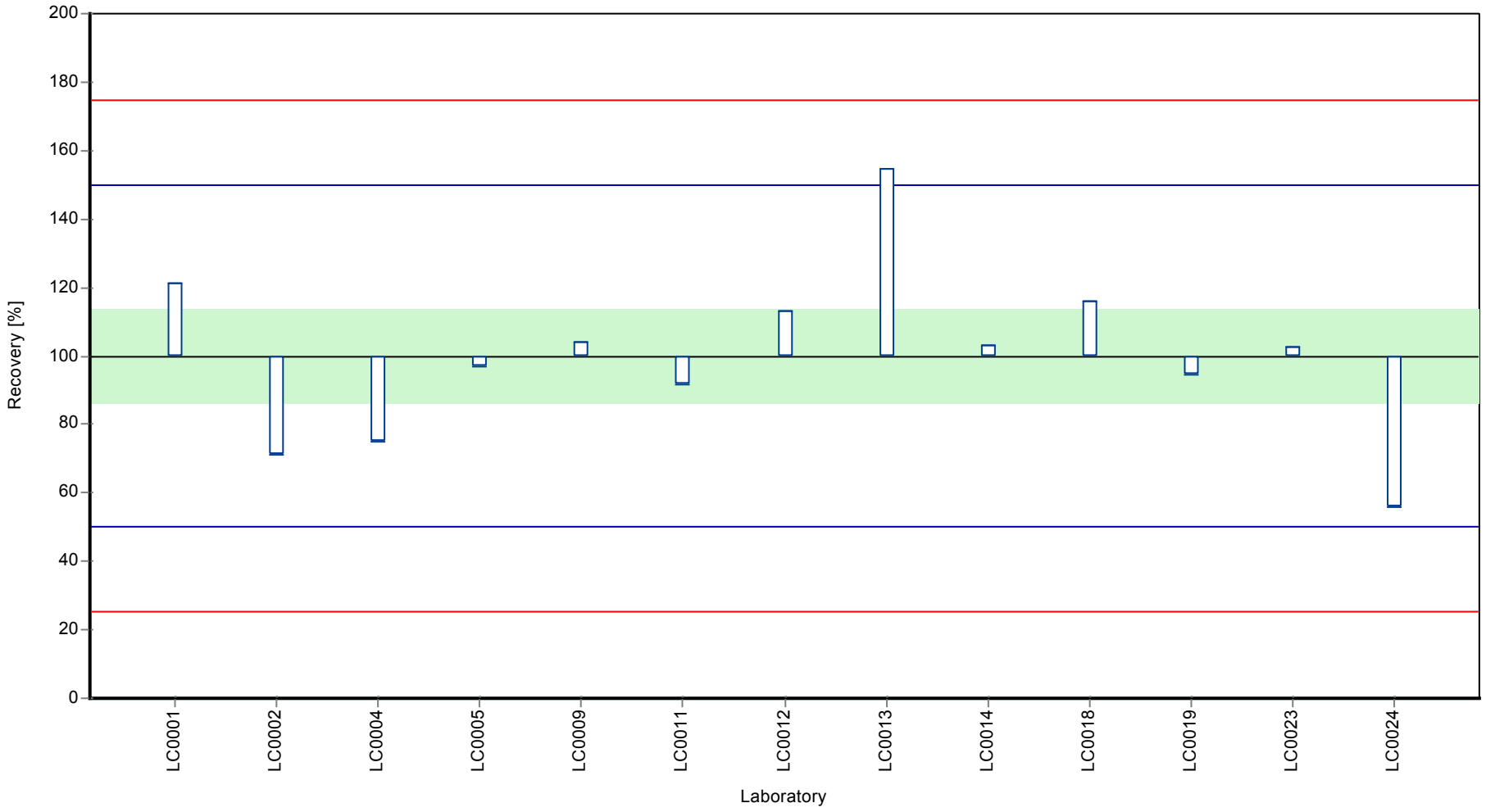
	all results	without outliers	Unit
Mean ± CI (99%)	0.34 ± 0.0704	0.34 ± 0.0704	µg/l
Minimum	0.19	0.19	µg/l
Maximum	0.526	0.526	µg/l
Standard deviation	0.0846	0.0846	µg/l
rel. Standard deviation	24.9	24.9	%
n	13	13	-

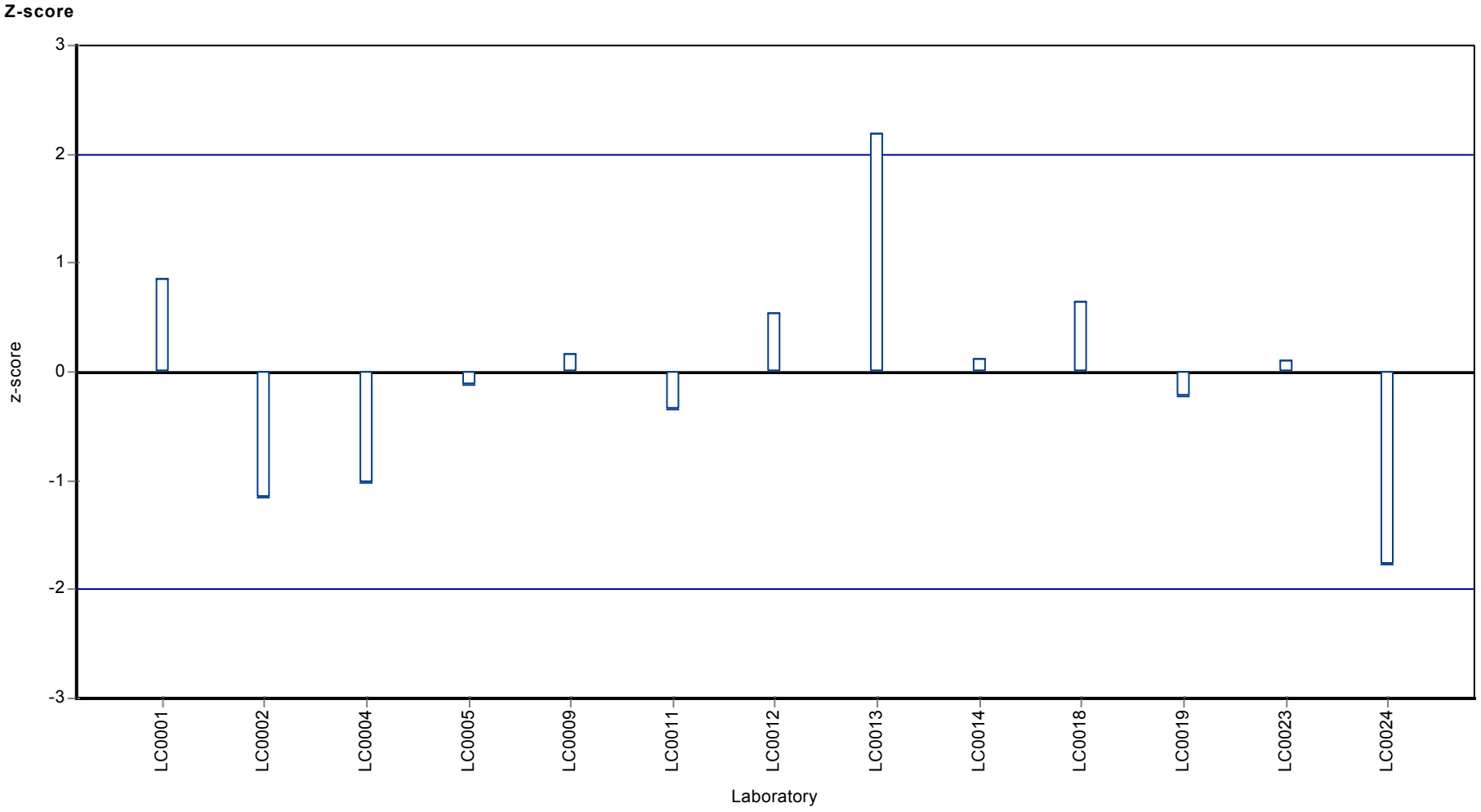
Graphical presentation of results

Results



Recovery rate




Z-score
3
2
1
0
-1
-2
-3
z-score
LC0001
LC0002
LC0004
LC0005
LC0009
LC0011
LC0012
LC0013
LC0014
LC0018
LC0019
LC0023
LC0024
Laboratory

Parameter oriented report

H95 A

2,4-D

Unit	µg/l
Mean ± CI (99%)	0.571 ± 0.0809
Minimum - Maximum	0.289 - 0.722
Control test value ± U	0.666 ± 0.0513

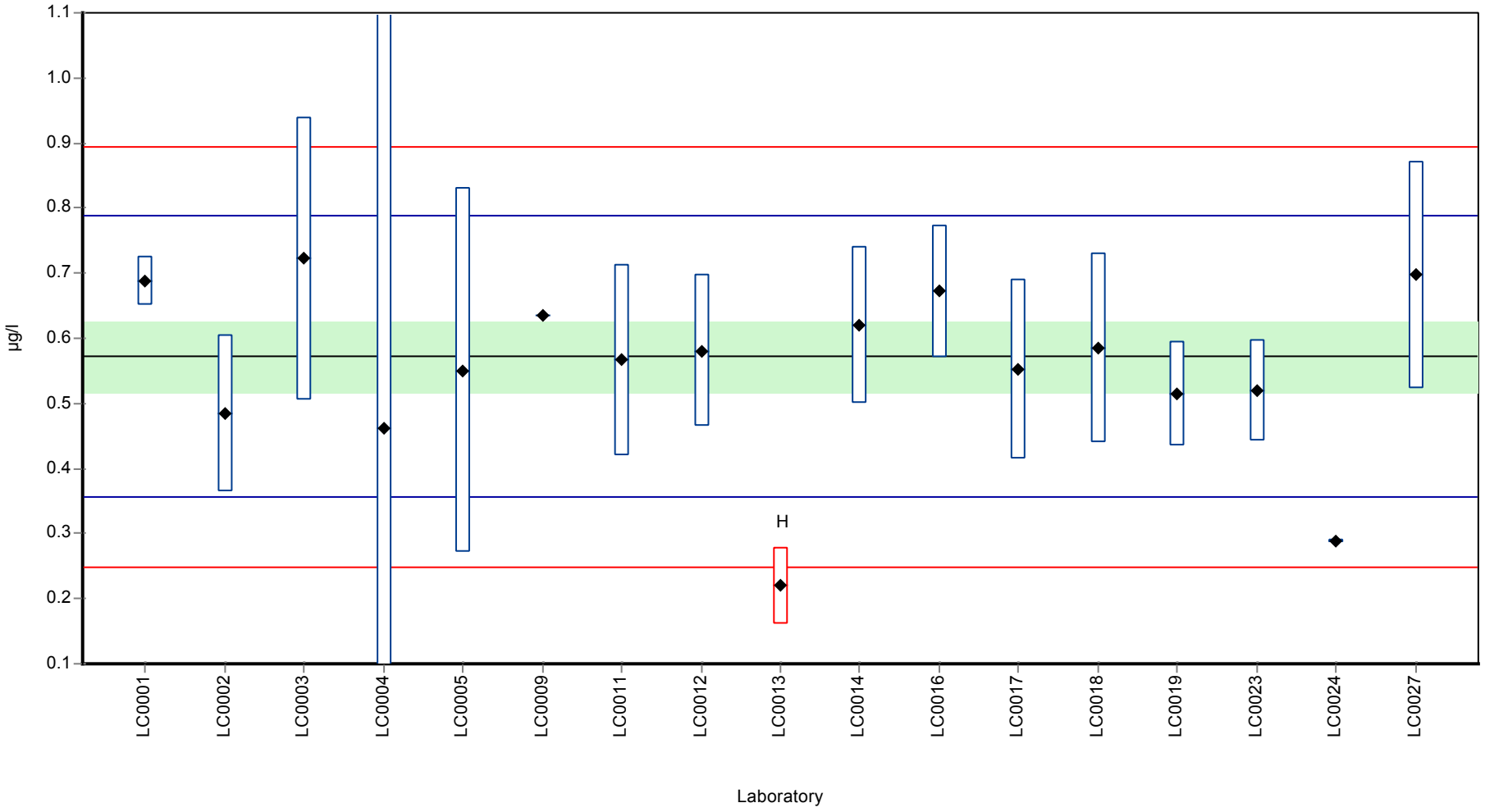
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.6879	0.0374	120	1.08	
LC0002	0.485	0.121	84.9	-0.8	
LC0003	0.722	0.217	126	1.4	
LC0004	0.463	0.69	81	-1	
LC0005	0.55	0.28	96.3	-0.2	
LC0006	-	-	-	-	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	0.636	-	111	0.6	
LC0010	-	-	-	-	
LC0011	0.567	0.147	99.2	-0.04	
LC0012	0.581	0.116	102	0.09	
LC0013	0.22	0.0594	38.5	-3.26	H
LC0014	0.62	0.12	109	0.45	
LC0015	-	-	-	-	
LC0016	0.672	0.101	118	0.93	
LC0017	0.552	0.138	96.6	-0.18	
LC0018	0.5856	0.1456	102	0.13	
LC0019	0.515	0.08	90.1	-0.52	
LC0020	-	-	-	-	
LC0021	-	-	-	-	
LC0022	-	-	-	-	
LC0023	0.52	0.078	91	-0.48	
LC0024	0.28891	0.0024	50.6	-2.62	
LC0025	-	-	-	-	
LC0026	-	-	-	-	
LC0027	0.697	0.174	122	1.16	

Characteristics of parameter

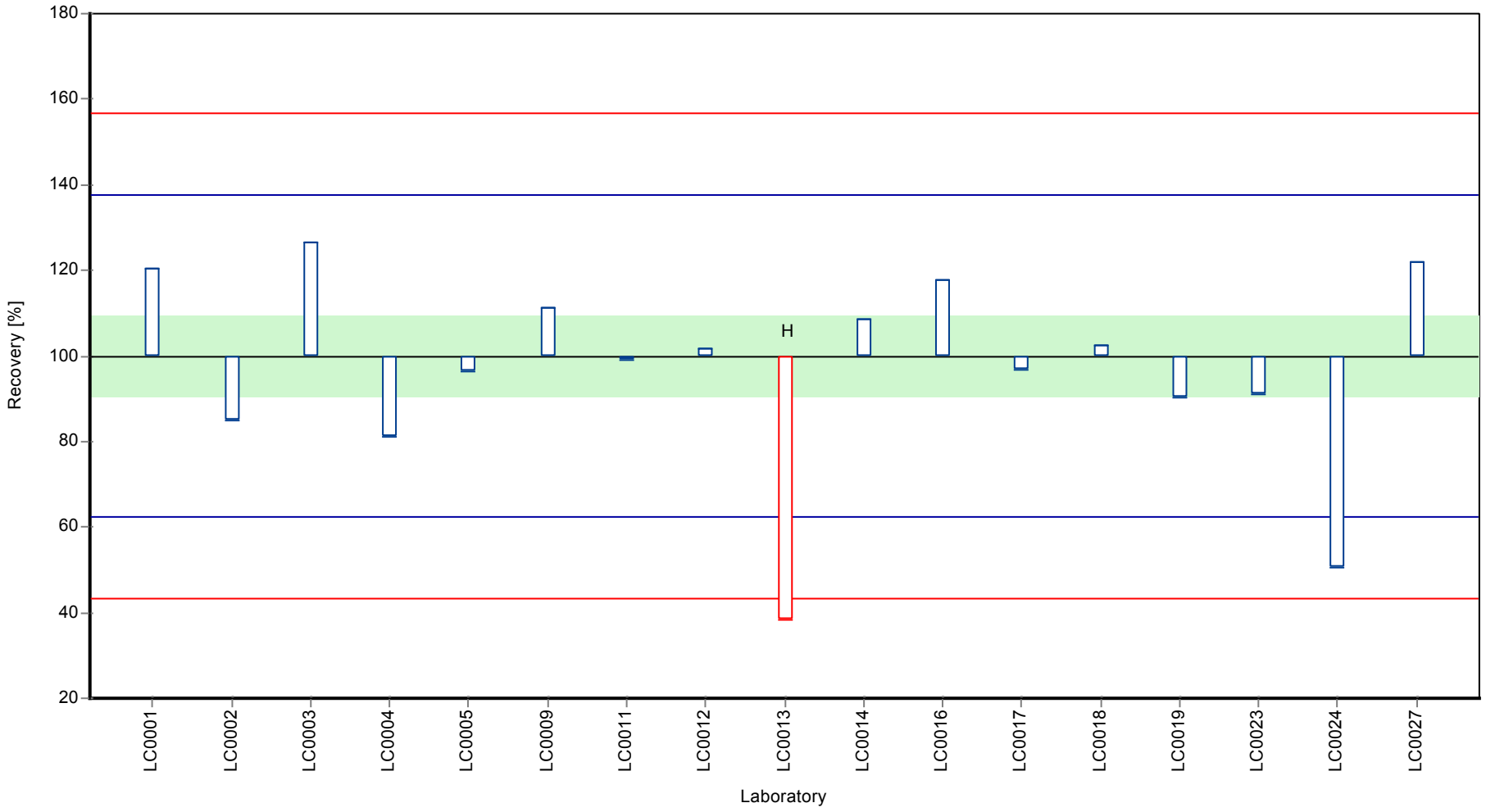
	all results	without outliers	Unit
Mean ± CI (99%)	0.551 ± 0.0981	0.571 ± 0.0809	µg/l
Minimum	0.22	0.289	µg/l
Maximum	0.722	0.722	µg/l
Standard deviation	0.135	0.108	µg/l
rel. Standard deviation	24.5	18.9	%
n	17	16	-

Graphical presentation of results

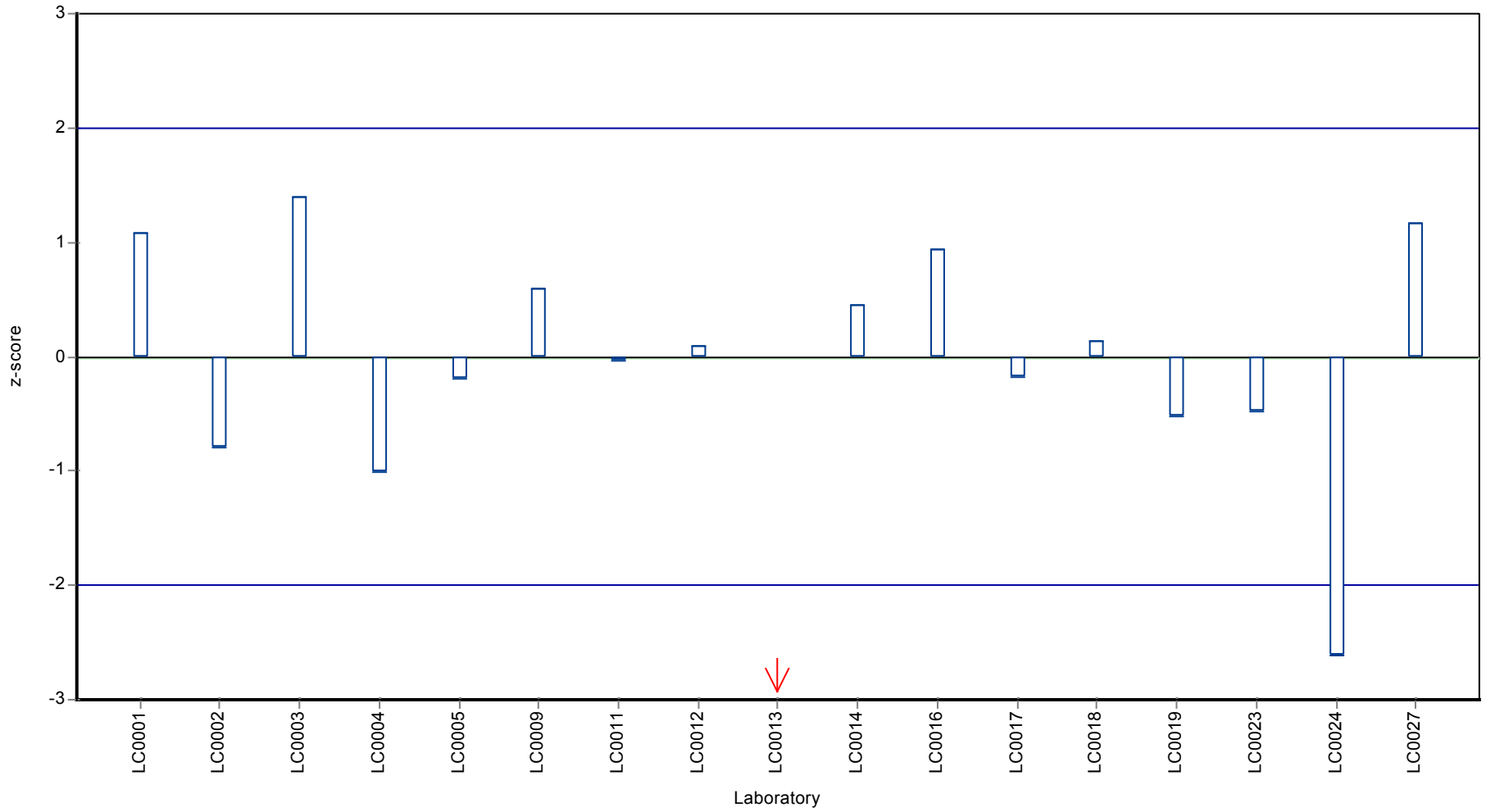
Results



Recovery rate



Z-score


3
2
1
0
-1
-2
-3
z-score
LC0001
LC0002
LC0003
LC0004
LC0005
LC0009
LC0011
LC0012
LC0013
LC0014
LC0016
LC0017
LC0018
LC0019
LC0023
LC0024
LC0027
Laboratory

Parameter oriented report

H95 B

2,4-D

Unit	µg/l
Mean ± CI (99%)	0.311 ± 0.0291
Minimum - Maximum	0.247 - 0.371
Control test value ± U	0.324 ± 0.0302

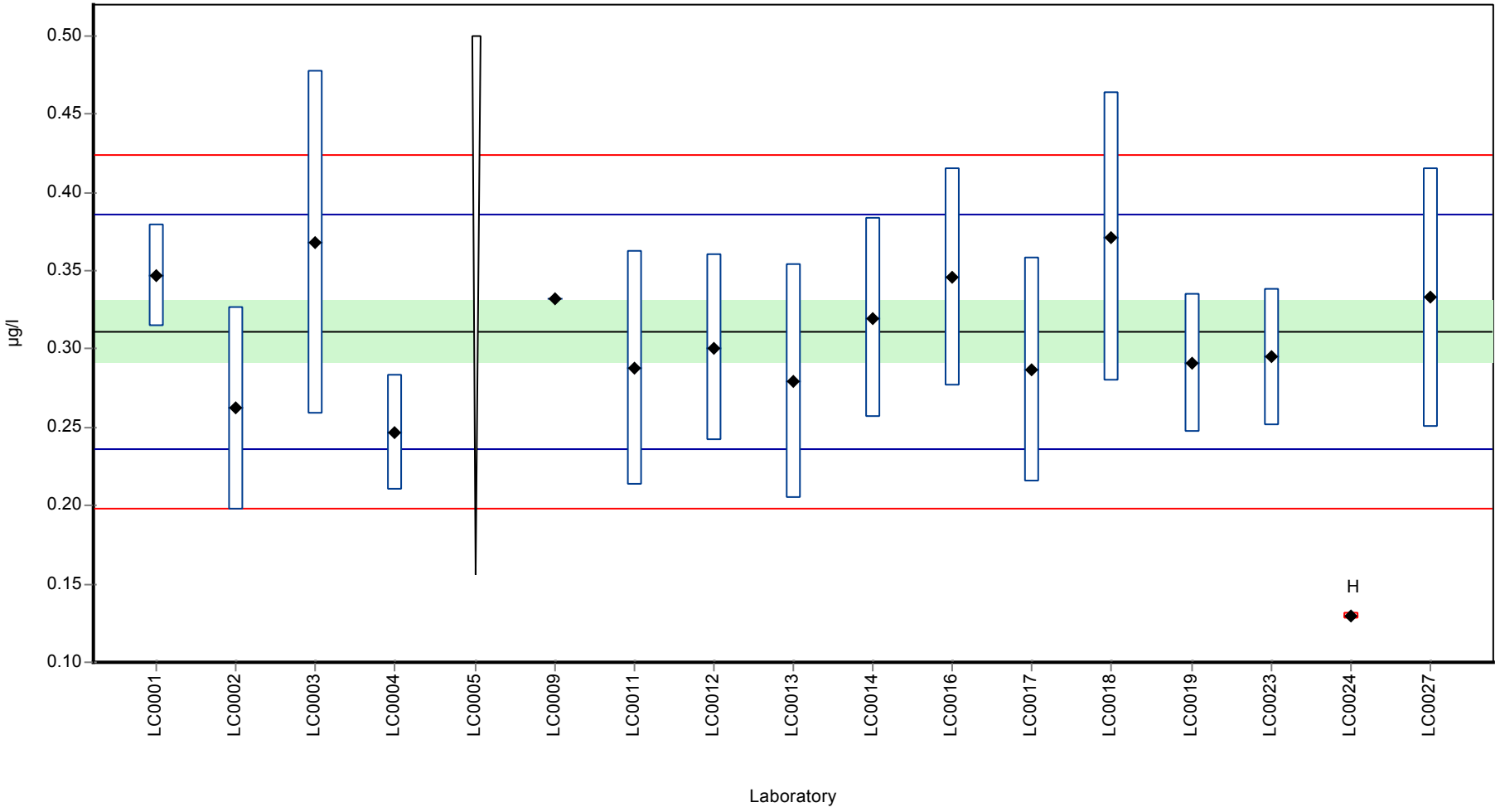
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.3469	0.0323	111	0.95	
LC0002	0.262	0.065	84.2	-1.31	
LC0003	0.368	0.11	118	1.51	
LC0004	0.247	0.037	79.4	-1.71	
LC0005	< 0.5 (LOQ)	-	-	-	
LC0006	-	-	-	-	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	0.332	-	107	0.55	
LC0010	-	-	-	-	
LC0011	0.288	0.075	92.5	-0.62	
LC0012	0.301	0.06	96.7	-0.27	
LC0013	0.2794	0.0754	89.8	-0.85	
LC0014	0.32	0.064	103	0.23	
LC0015	-	-	-	-	
LC0016	0.346	0.07	111	0.93	
LC0017	0.287	0.072	92.2	-0.64	
LC0018	0.3715	0.0924	119	1.6	
LC0019	0.291	0.044	93.5	-0.54	
LC0020	-	-	-	-	
LC0021	-	-	-	-	
LC0022	-	-	-	-	
LC0023	0.295	0.044	94.8	-0.43	
LC0024	0.12995	0.0021	41.8	-4.82	H
LC0025	-	-	-	-	
LC0026	-	-	-	-	
LC0027	0.333	0.083	107	0.58	

Characteristics of parameter

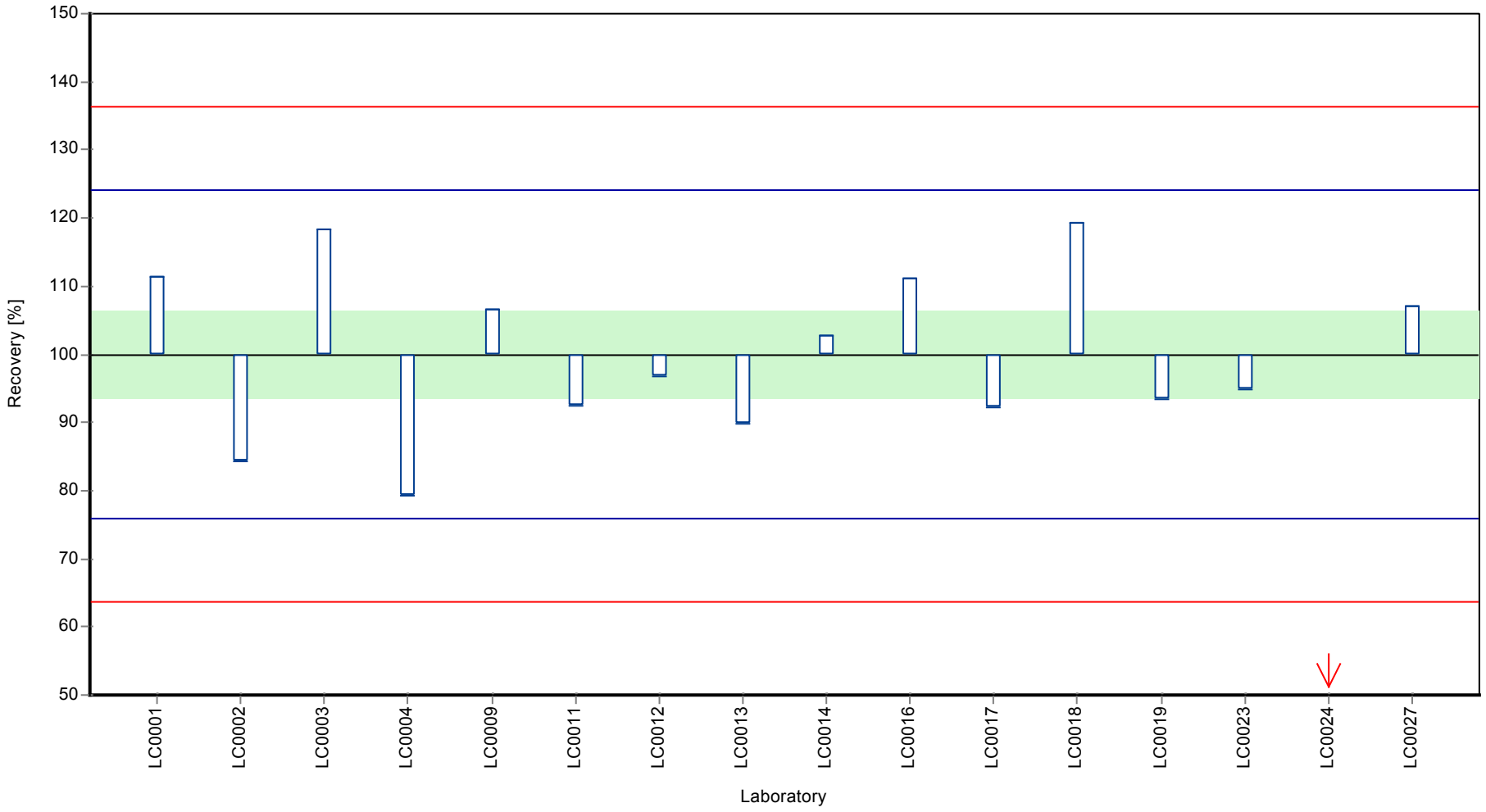
	all results	without outliers	Unit
Mean ± CI (99%)	0.3 ± 0.0436	0.311 ± 0.0291	µg/l
Minimum	0.13	0.247	µg/l
Maximum	0.371	0.371	µg/l
Standard deviation	0.0581	0.0376	µg/l
rel. Standard deviation	19.4	12.1	%
n	16	15	-

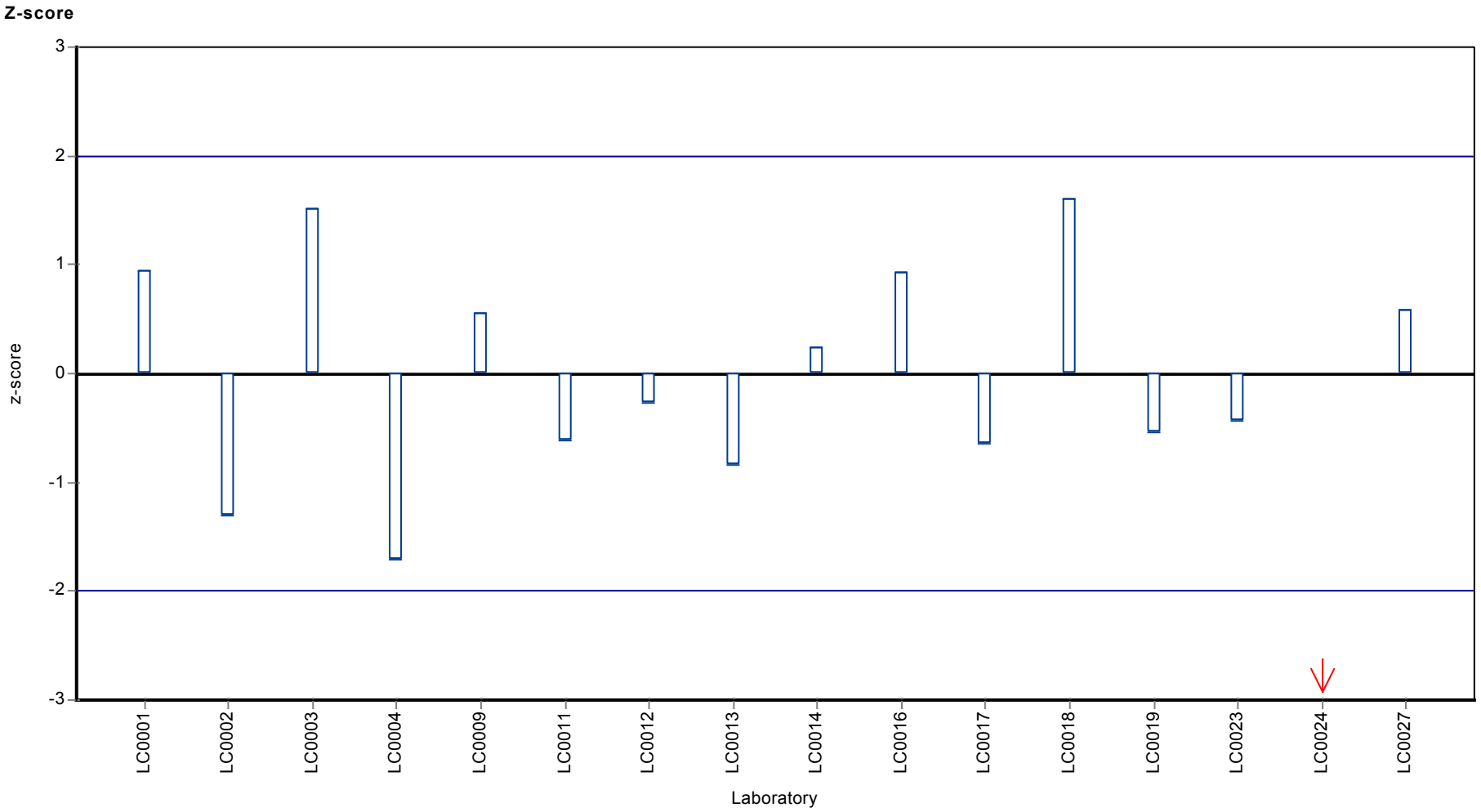
Graphical presentation of results

Results



Recovery rate




Z-score
3
2
1
0
-1
-2
-3
z-score
LC0001
LC0002
LC0003
LC0004
LC0009
LC0011
LC0012
LC0013
LC0014
LC0016
LC0017
LC0018
LC0019
LC0023
LC0024
LC0027
Laboratory

Parameter oriented report

H95 A

Alachlor

Unit	µg/l
Mean ± CI (99%)	0.601 ± 0.0443
Minimum - Maximum	0.514 - 0.718
Control test value ± U	0.609 ± 0.0605

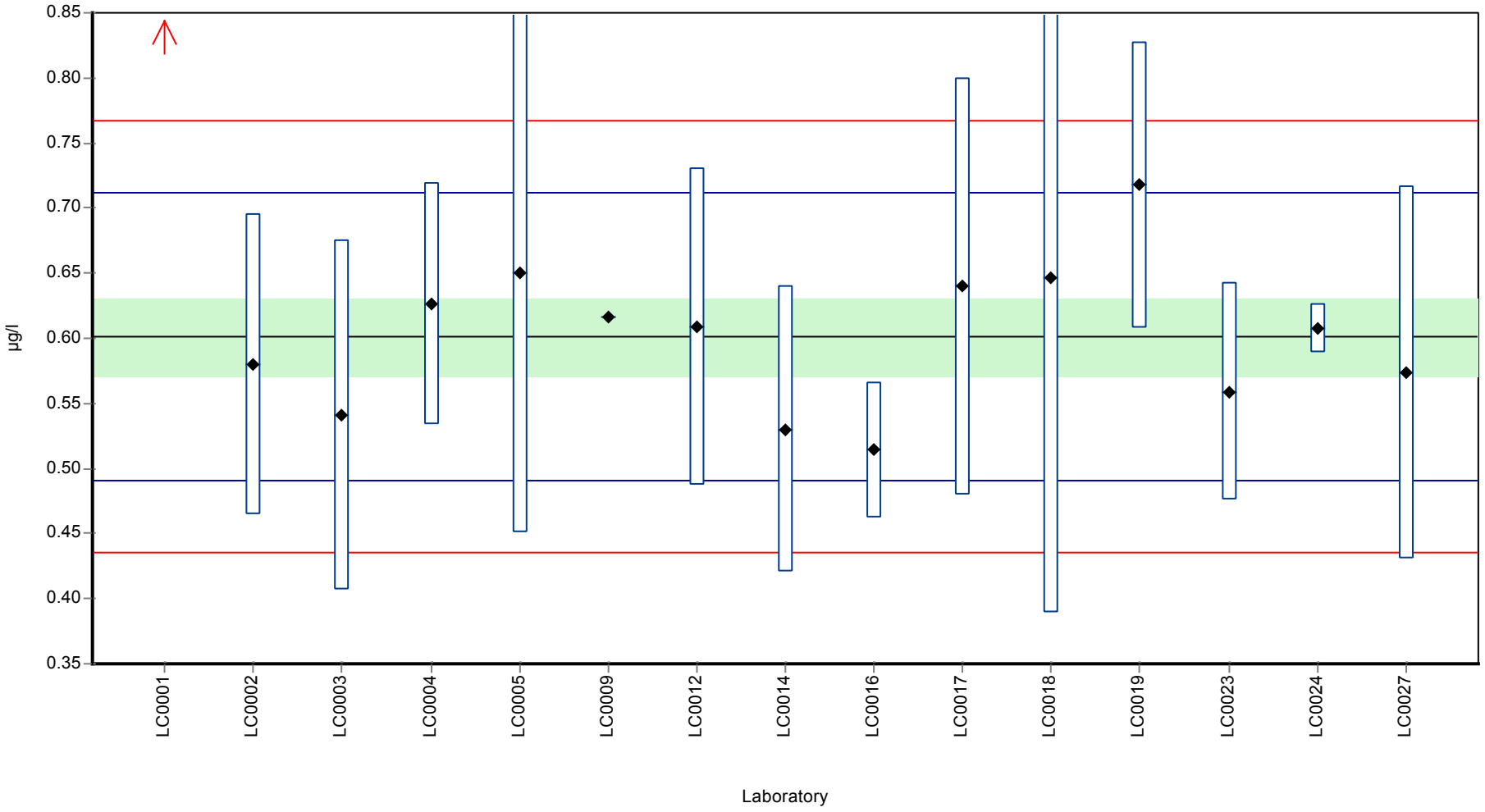
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.8705	0.0635	145	4.88	H
LC0002	0.58	0.116	96.5	-0.38	
LC0003	0.541	0.135	90	-1.08	
LC0004	0.626	0.093	104	0.46	
LC0005	0.65	0.2	108	0.89	
LC0006	-	-	-	-	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	0.616	-	103	0.28	
LC0010	-	-	-	-	
LC0011	-	-	-	-	
LC0012	0.609	0.122	101	0.15	
LC0013	-	-	-	-	
LC0014	0.53	0.11	88.2	-1.28	
LC0015	-	-	-	-	
LC0016	0.514	0.052	85.6	-1.57	
LC0017	0.64	0.16	107	0.71	
LC0018	0.6463	0.2573	108	0.82	
LC0019	0.718	0.11	120	2.12	
LC0020	-	-	-	-	
LC0021	-	-	-	-	
LC0022	-	-	-	-	
LC0023	0.559	0.084	93	-0.76	
LC0024	0.608	0.0187	101	0.13	
LC0025	-	-	-	-	
LC0026	-	-	-	-	
LC0027	0.574	0.143	95.5	-0.48	

Characteristics of parameter

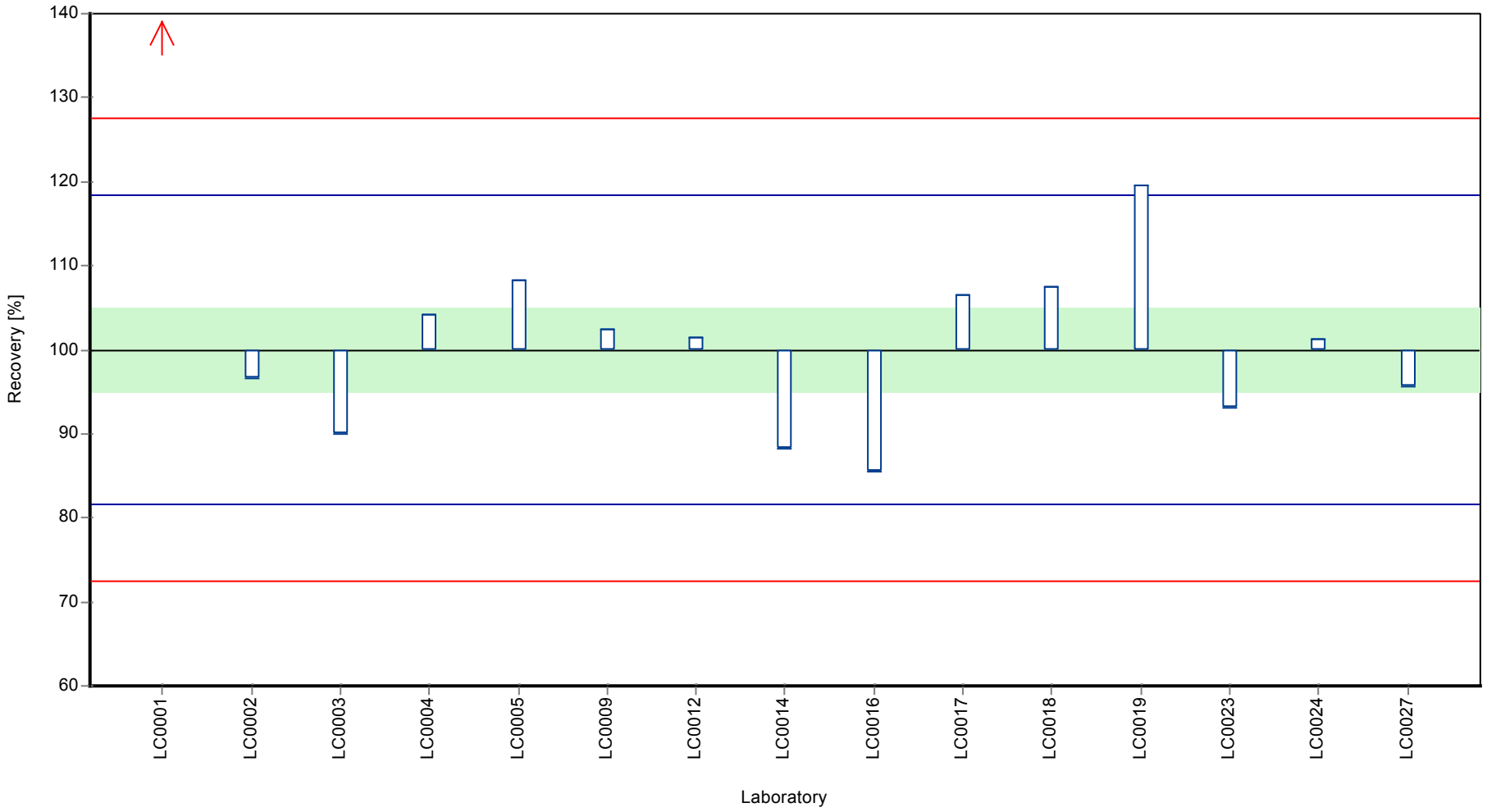
	all results	without outliers	Unit
Mean ± CI (99%)	0.619 ± 0.0679	0.601 ± 0.0443	µg/l
Minimum	0.514	0.514	µg/l
Maximum	0.871	0.718	µg/l
Standard deviation	0.0877	0.0553	µg/l
rel. Standard deviation	14.2	9.21	%
n	15	14	-

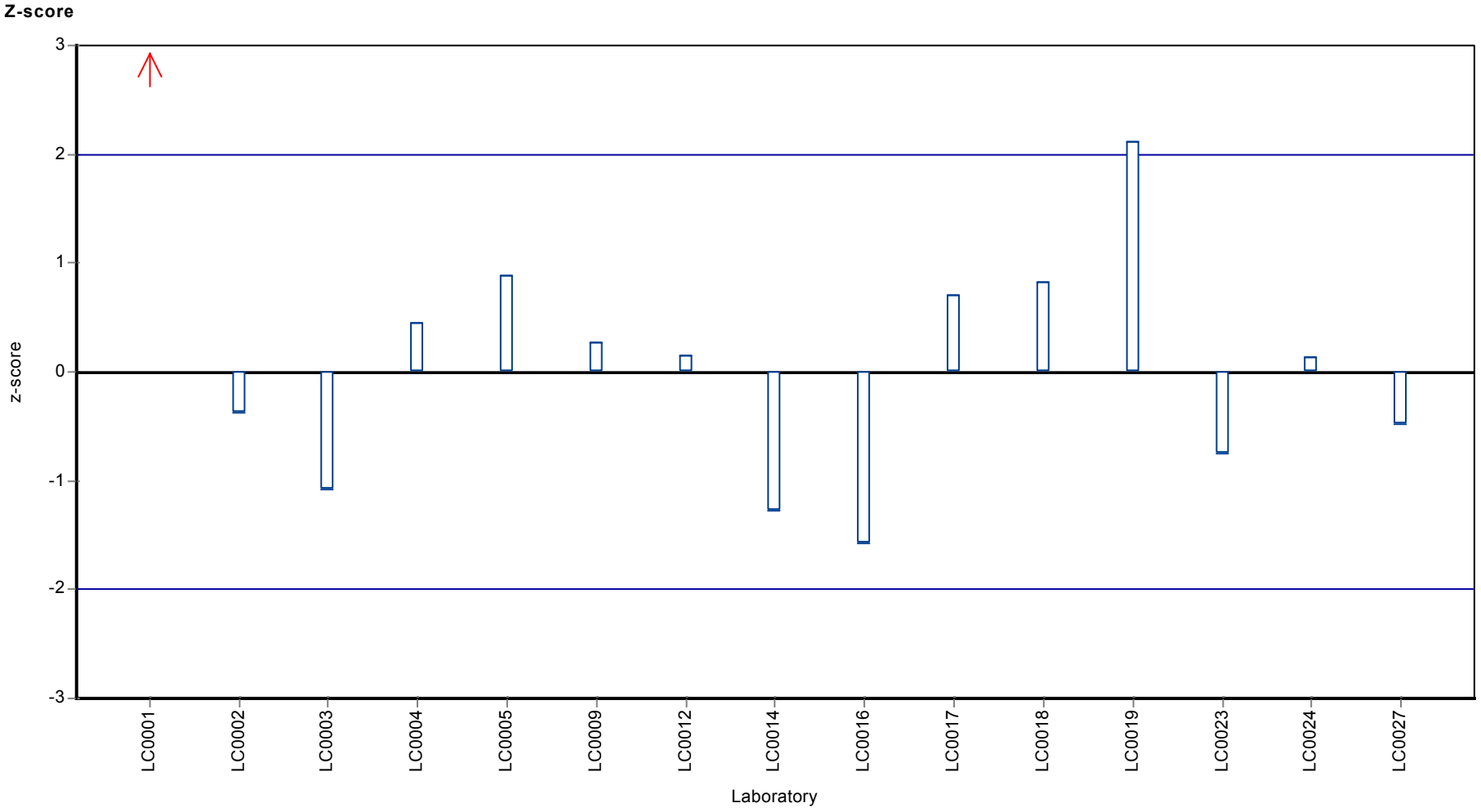
Graphical presentation of results

Results



Recovery rate




Z-score
3
2
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-1
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-3
z-score
LC0001
LC0002
LC0003
LC0004
LC0005
LC0009
LC0012
LC0014
LC0016
LC0017
LC0018
LC0019
LC0023
LC0024
LC0027
Laboratory

Parameter oriented report

H95 B

Alachlor

Unit	µg/l
Mean ± CI (99%)	-
Minimum - Maximum	0.0344 - 0.0344
Control test value ± U	<0.025 (LOD)

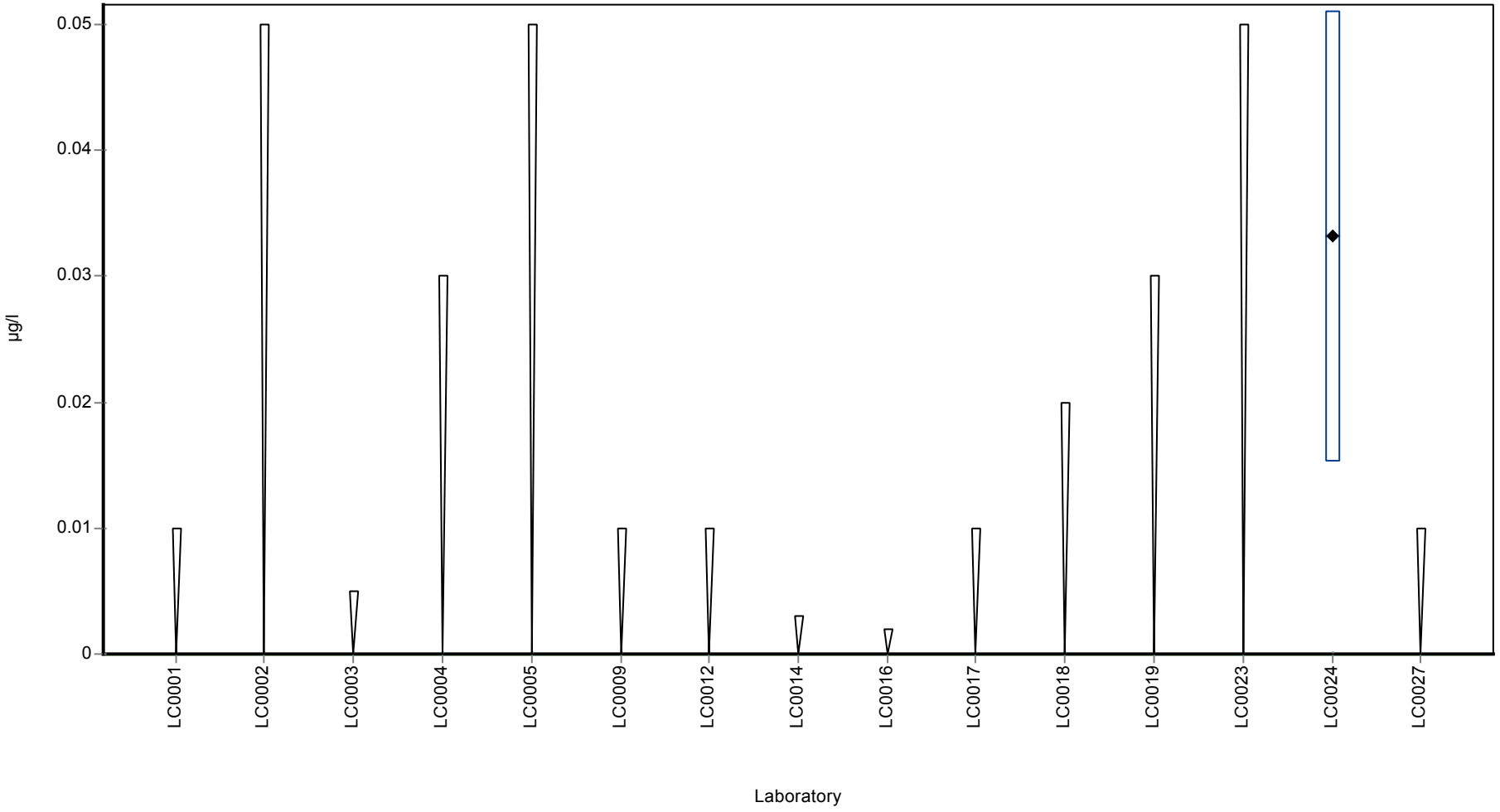
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	< 0.01 (LOQ)	-	-	-	
LC0002	< 0.05 (LOQ)	-	-	-	
LC0003	<0.005 (LOD)	-	-	-	
LC0004	< 0.03 (LOQ)	-	-	-	
LC0005	< 0.05 (LOQ)	-	-	-	
LC0006	-	-	-	-	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	< 0.01 (LOQ)	-	-	-	
LC0010	-	-	-	-	
LC0011	-	-	-	-	
LC0012	< 0.01 (LOQ)	-	-	-	
LC0013	-	-	-	-	
LC0014	< 0.003 (LOQ)	-	-	-	
LC0015	-	-	-	-	
LC0016	< 0.002 (LOQ)	-	-	-	
LC0017	< 0.01 (LOQ)	-	-	-	
LC0018	< 0.02 (LOQ)	-	-	-	
LC0019	< 0.03 (LOQ)	-	-	-	
LC0020	-	-	-	-	
LC0021	-	-	-	-	
LC0022	-	-	-	-	
LC0023	< 0.05 (LOQ)	-	-	-	
LC0024	0.0344	0.0187	-	-	FP
LC0025	-	-	-	-	
LC0026	-	-	-	-	
LC0027	< 0.01 (LOQ)	-	-	-	

Characteristics of parameter

	all results	without outliers	Unit
Mean ± CI (99%)	0.0344	-	µg/l
Minimum	0.0344	0.0344	µg/l
Maximum	0.0344	0.0344	µg/l
Standard deviation	-	-	µg/l
rel. Standard deviation	-	-	%
n	1	1	-

Graphical presentation of results

Results



Parameter oriented report

H95 A

Alachlor ESA

Unit	µg/l
Mean ± CI (99%)	0.494 ± 0.108
Minimum - Maximum	0.384 - 0.602
Control test value ± U	0.423 ± 0.0261

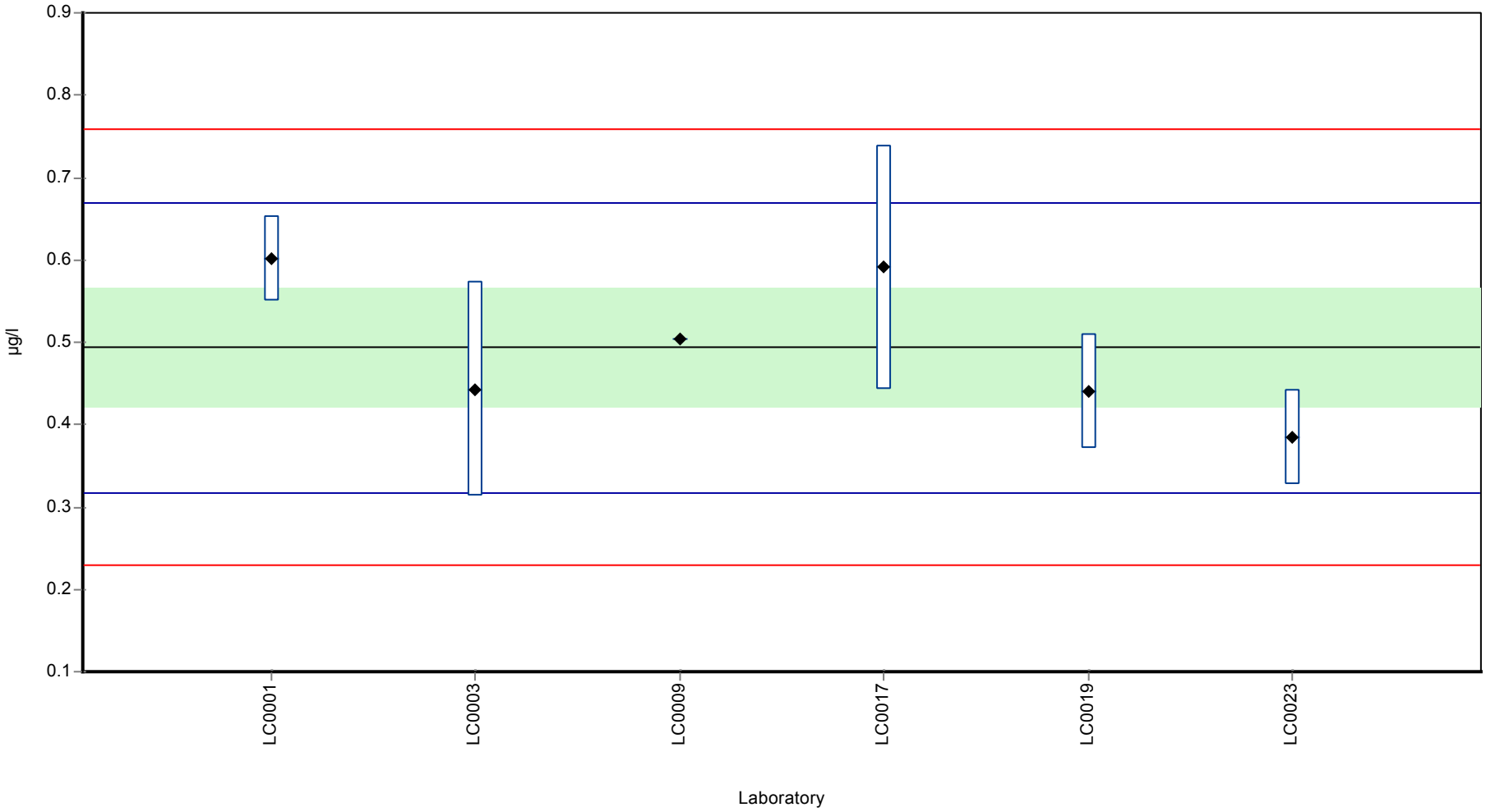
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.6022	0.0515	122	1.23	
LC0002	-	-	-	-	
LC0003	0.443	0.131	89.7	-0.58	
LC0004	-	-	-	-	
LC0005	-	-	-	-	
LC0006	-	-	-	-	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	0.503	-	102	0.1	
LC0010	-	-	-	-	
LC0011	-	-	-	-	
LC0012	-	-	-	-	
LC0013	-	-	-	-	
LC0014	-	-	-	-	
LC0015	-	-	-	-	
LC0016	-	-	-	-	
LC0017	0.591	0.148	120	1.1	
LC0018	-	-	-	-	
LC0019	0.44	0.07	89.1	-0.61	
LC0020	-	-	-	-	
LC0021	-	-	-	-	
LC0022	-	-	-	-	
LC0023	0.384	0.058	77.8	-1.25	
LC0024	-	-	-	-	
LC0025	-	-	-	-	
LC0026	-	-	-	-	
LC0027	-	-	-	-	

Characteristics of parameter

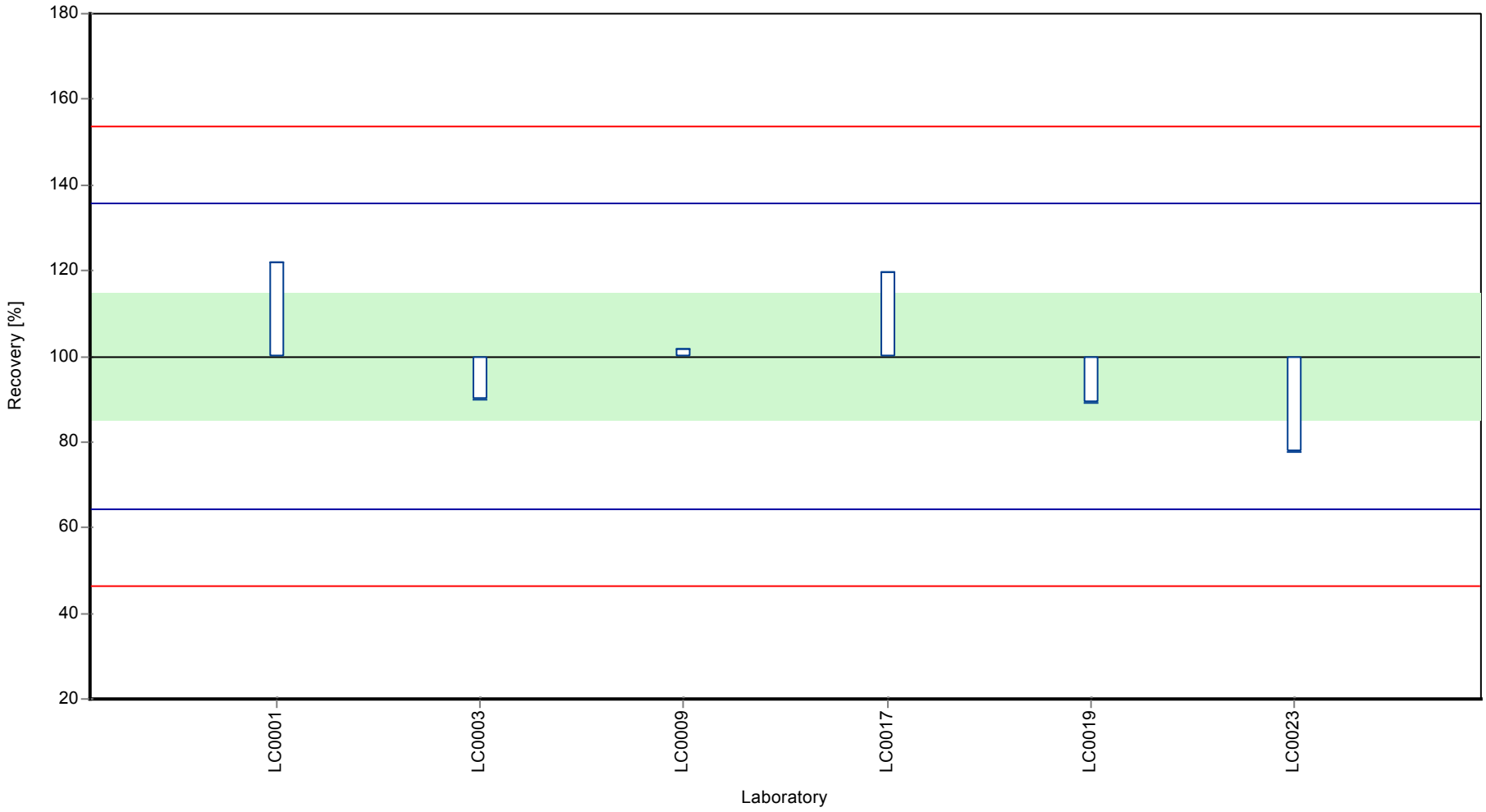
	all results	without outliers	Unit
Mean ± CI (99%)	0.494 ± 0.108	0.494 ± 0.108	µg/l
Minimum	0.384	0.384	µg/l
Maximum	0.602	0.602	µg/l
Standard deviation	0.0881	0.0881	µg/l
rel. Standard deviation	17.8	17.8	%
n	6	6	-

Graphical presentation of results

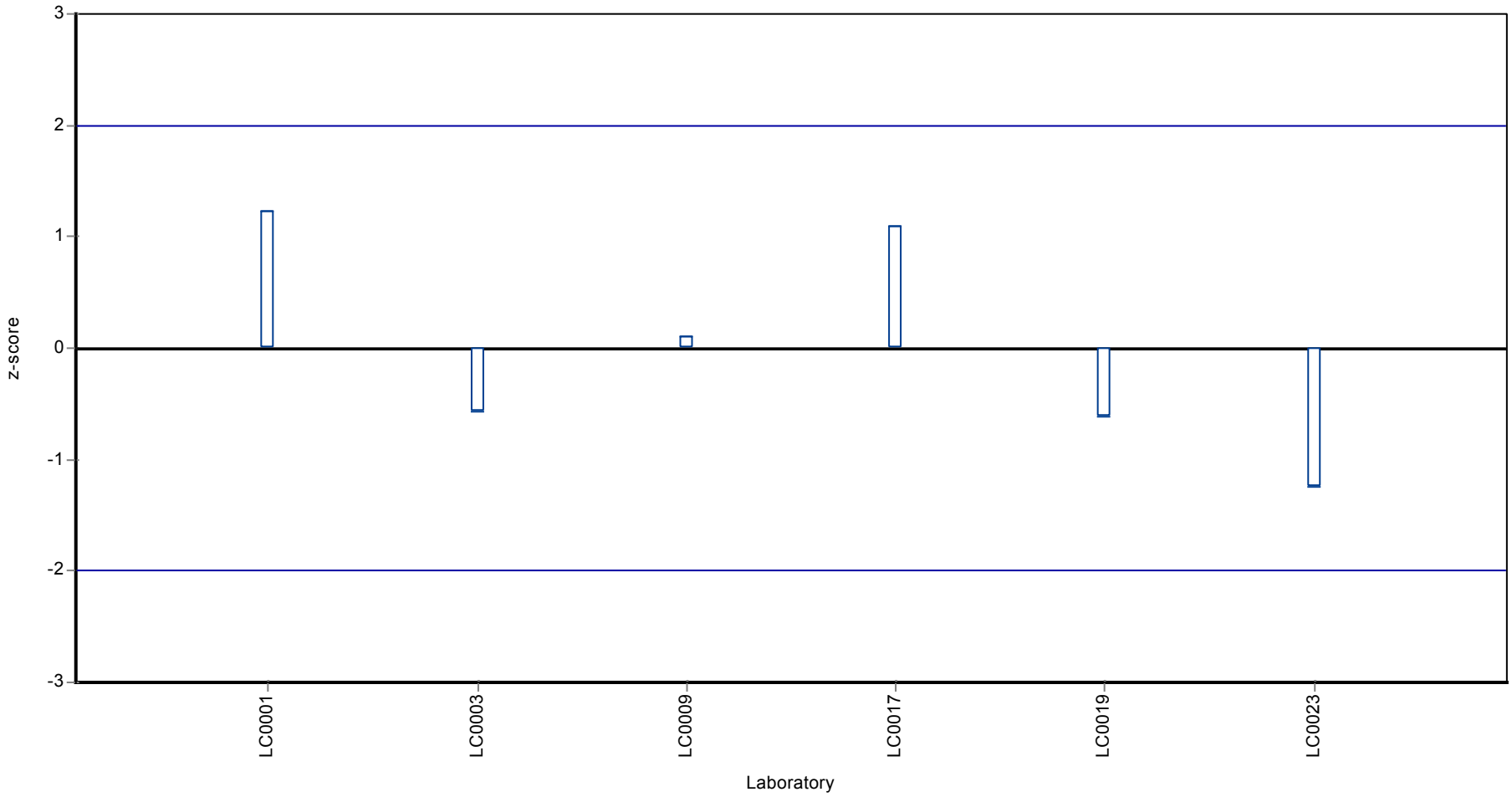
Results



Recovery rate



Z-score


3
2
1
0
-1
-2
-3
z-score
LC0001
LC0003
LC0009
LC0017
LC0019
LC0023
Laboratory

Parameter oriented report

H95 B

Alachlor ESA

Unit	µg/l
Mean ± CI (99%)	0.836 ± 0.19
Minimum - Maximum	0.592 - 1.02
Control test value ± U	0.740 ± 0.021

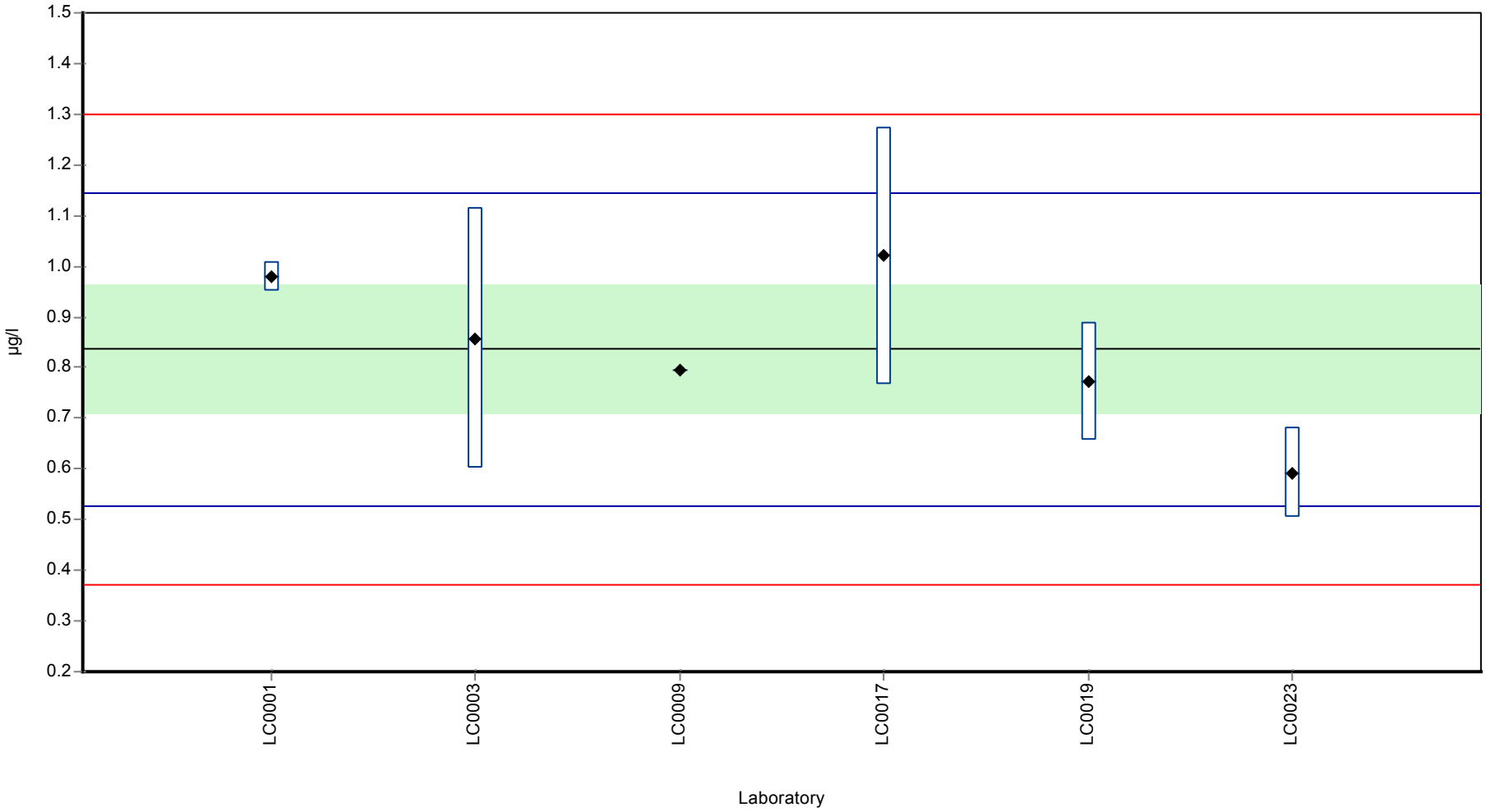
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.9788	0.0287	117	0.92	
LC0002	-	-	-	-	
LC0003	0.857	0.257	103	0.14	
LC0004	-	-	-	-	
LC0005	-	-	-	-	
LC0006	-	-	-	-	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	0.796	-	95.2	-0.26	
LC0010	-	-	-	-	
LC0011	-	-	-	-	
LC0012	-	-	-	-	
LC0013	-	-	-	-	
LC0014	-	-	-	-	
LC0015	-	-	-	-	
LC0016	-	-	-	-	
LC0017	1.02	0.255	122	1.19	
LC0018	-	-	-	-	
LC0019	0.772	0.116	92.3	-0.41	
LC0020	-	-	-	-	
LC0021	-	-	-	-	
LC0022	-	-	-	-	
LC0023	0.592	0.089	70.8	-1.58	
LC0024	-	-	-	-	
LC0025	-	-	-	-	
LC0026	-	-	-	-	
LC0027	-	-	-	-	

Characteristics of parameter

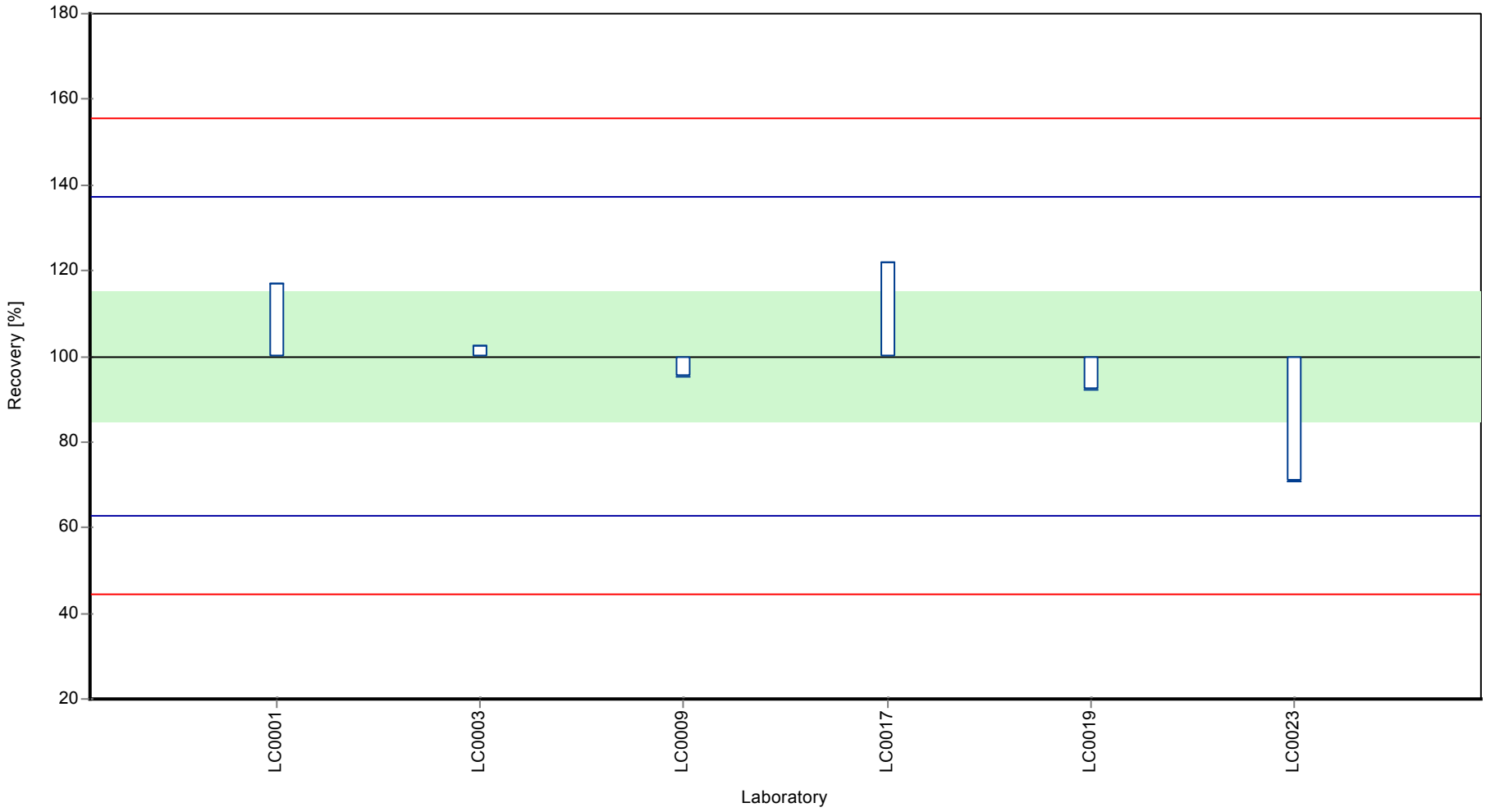
	all results	without outliers	Unit
Mean ± CI (99%)	0.836 ± 0.19	0.836 ± 0.19	µg/l
Minimum	0.592	0.592	µg/l
Maximum	1.02	1.02	µg/l
Standard deviation	0.155	0.155	µg/l
rel. Standard deviation	18.5	18.5	%
n	6	6	-

Graphical presentation of results

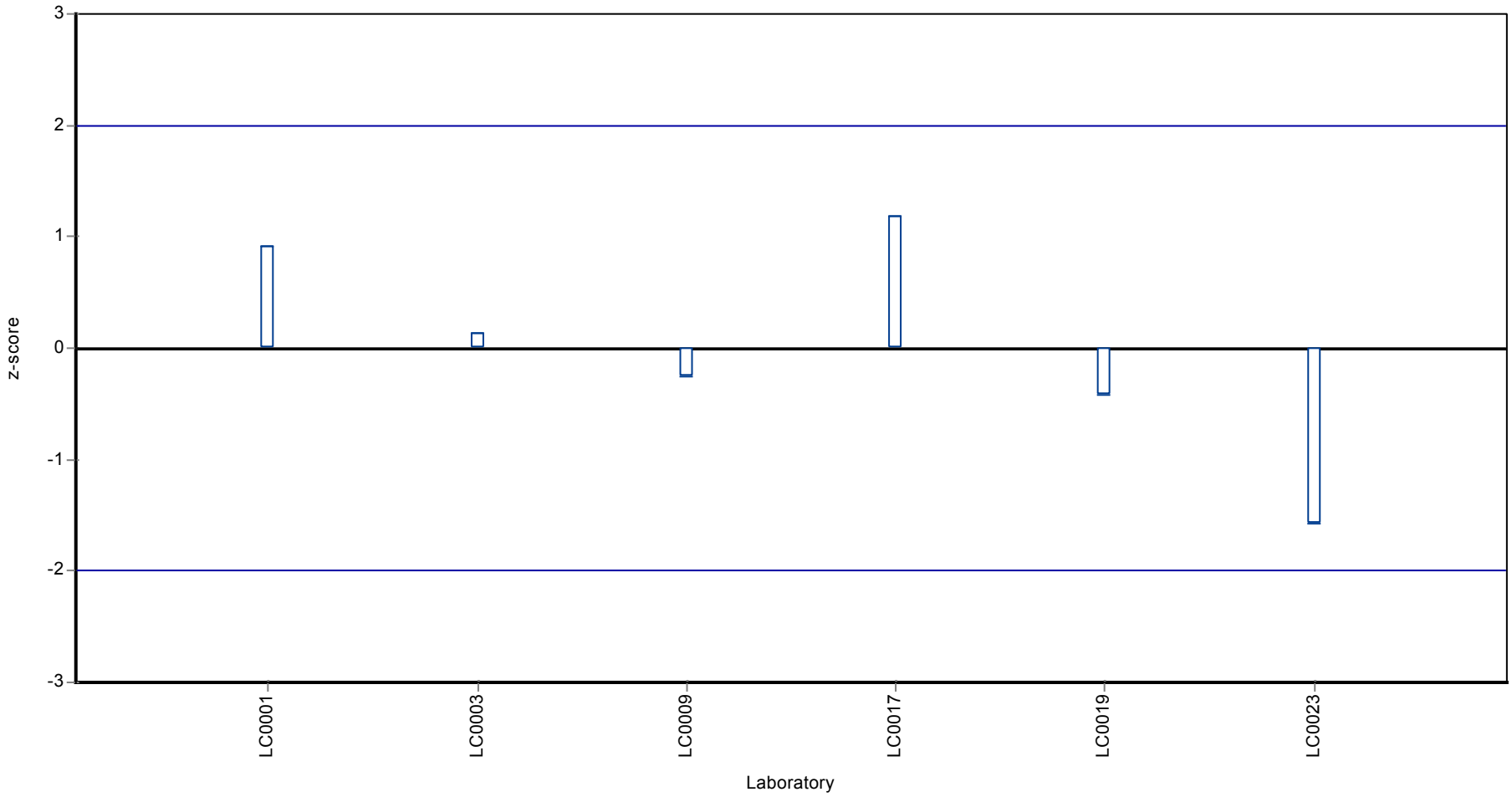
Results



Recovery rate



Z-score


3
2
1
0
-1
-2
-3
z-score
LC0001
LC0003
LC0009
LC0017
LC0019
LC0023
Laboratory

Parameter oriented report

H95 A

Alachlor OA

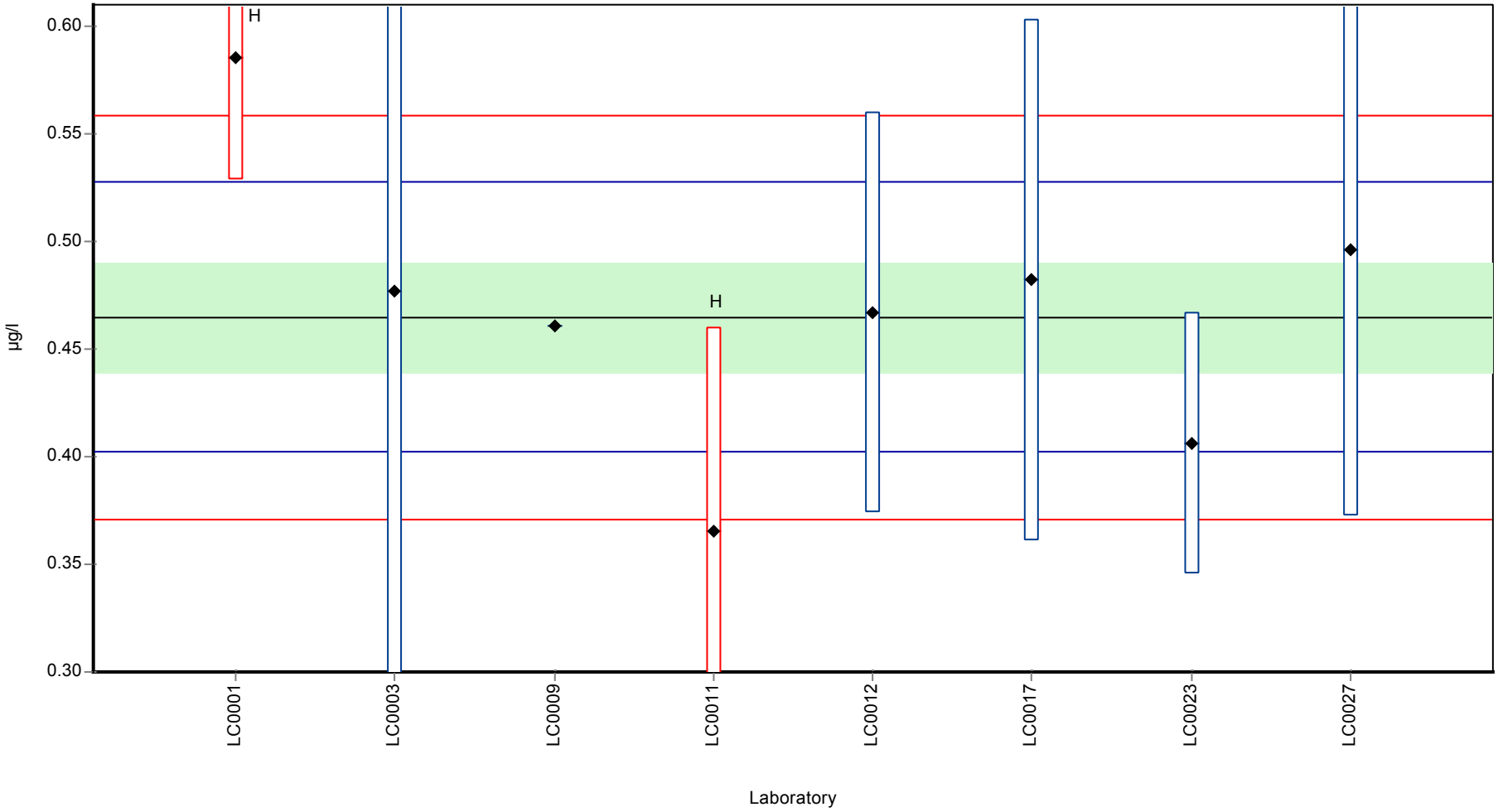
Unit	µg/l
Mean ± CI (99%)	0.465 ± 0.0383
Minimum - Maximum	0.406 - 0.496
Control test value ± U	0.480 ± 0.0299

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.5853	0.0572	126	3.85	H
LC0002	-	-	-	-	
LC0003	0.477	0.191	103	0.39	
LC0004	-	-	-	-	
LC0005	-	-	-	-	
LC0006	-	-	-	-	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	0.461	-	99.2	-0.12	
LC0010	-	-	-	-	
LC0011	0.365	0.095	78.5	-3.19	H
LC0012	0.467	0.093	100	0.07	
LC0013	-	-	-	-	
LC0014	-	-	-	-	
LC0015	-	-	-	-	
LC0016	-	-	-	-	
LC0017	0.482	0.121	104	0.55	
LC0018	-	-	-	-	
LC0019	-	-	-	-	
LC0020	-	-	-	-	
LC0021	-	-	-	-	
LC0022	-	-	-	-	
LC0023	0.406	0.061	87.3	-1.88	
LC0024	-	-	-	-	
LC0025	-	-	-	-	
LC0026	-	-	-	-	
LC0027	0.496	0.124	107	1	

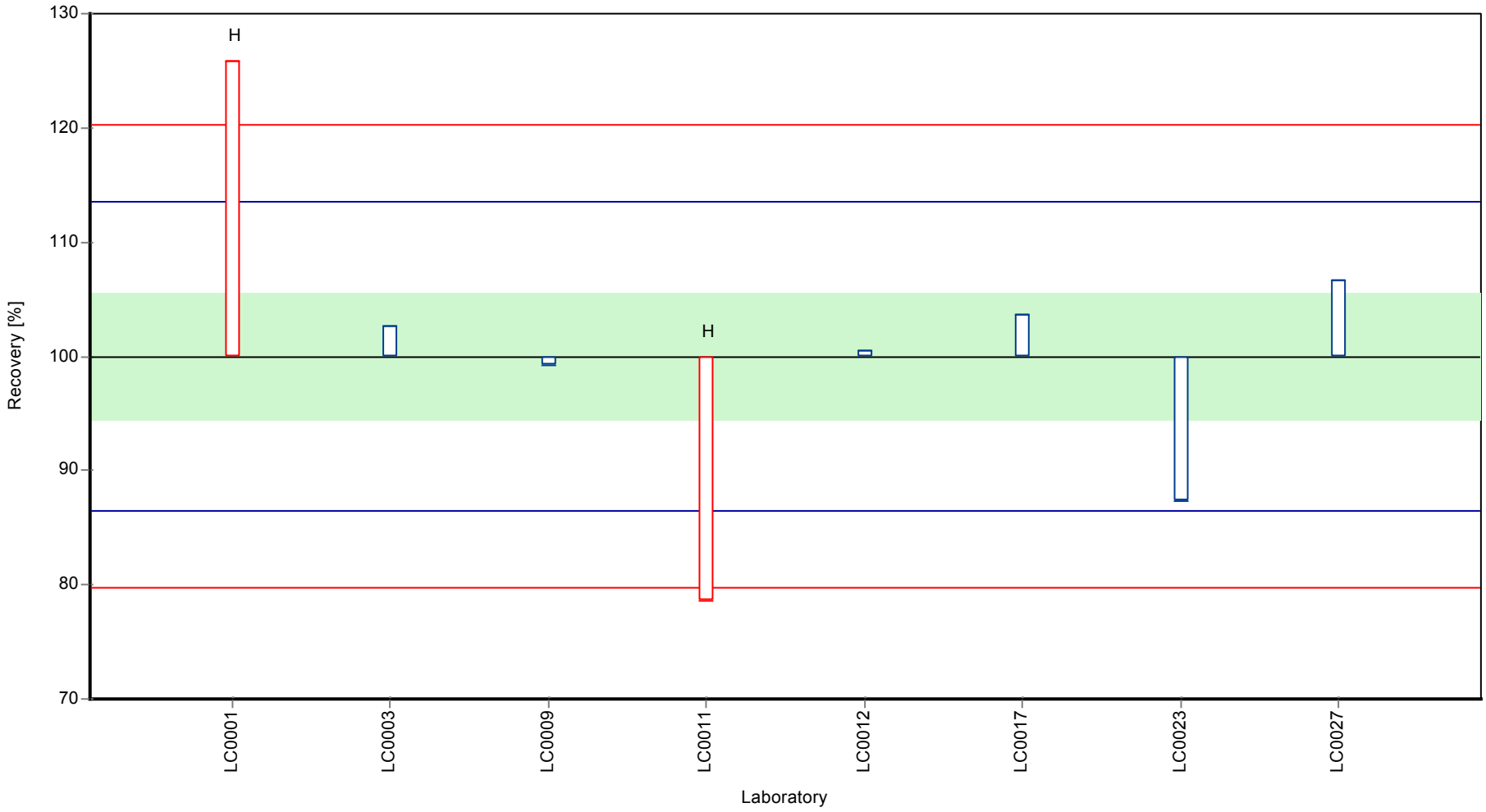
Characteristics of parameter

	all results	without outliers	Unit
Mean ± CI (99%)	0.467 ± 0.0686	0.465 ± 0.0383	µg/l
Minimum	0.365	0.406	µg/l
Maximum	0.585	0.496	µg/l
Standard deviation	0.0647	0.0313	µg/l
rel. Standard deviation	13.8	6.73	%
n	8	6	-

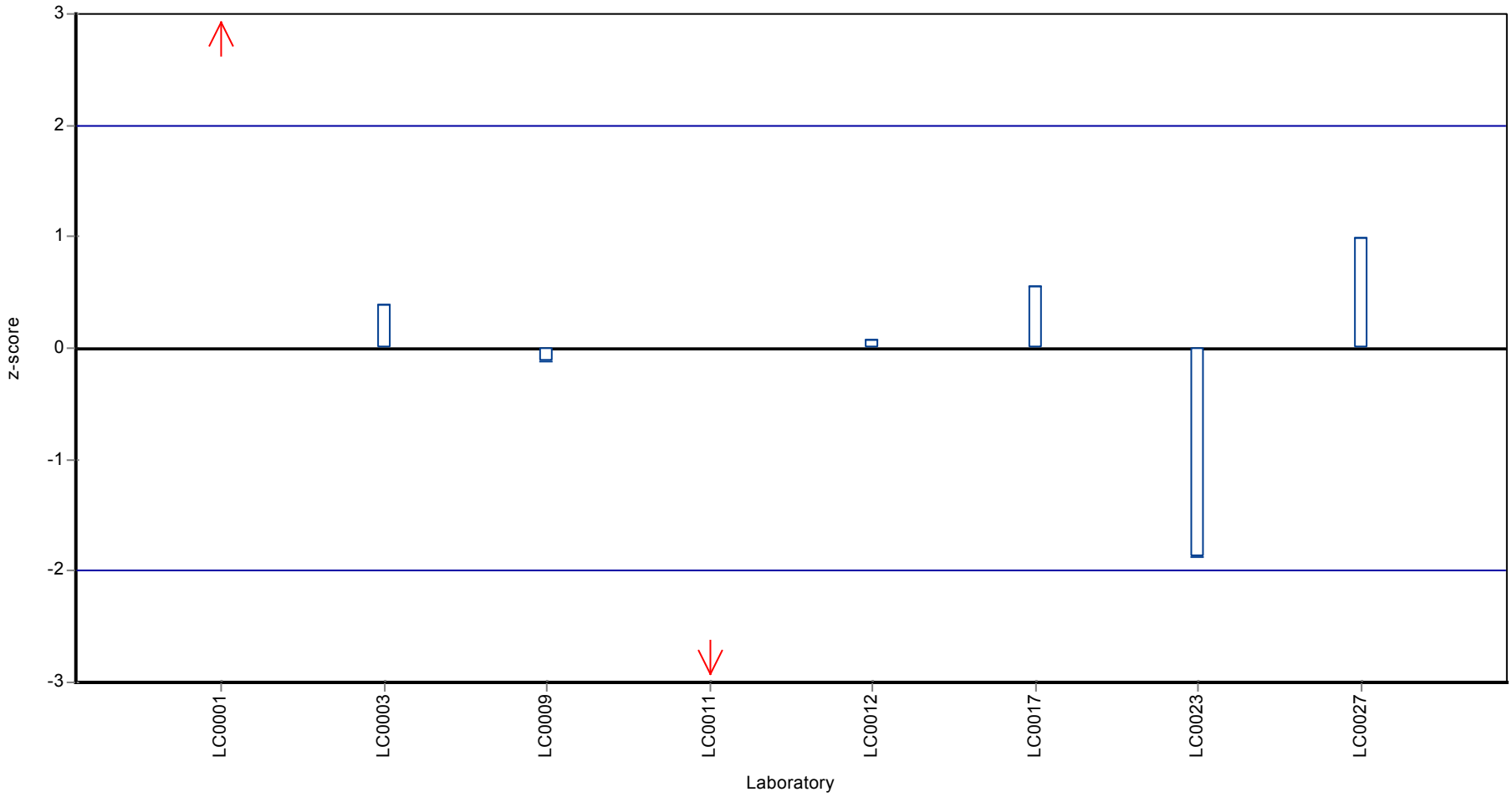
Graphical presentation of results



Recovery rate



Z-score


3
2
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-1
-2
-3
z-score
LC0001
LC0003
LC0009
LC0011
LC0012
LC0017
LC0023
LC0027
Laboratory

Parameter oriented report

H95 B

Alachlor OA

Unit	µg/l
Mean ± CI (99%)	0.641 ± 0.115
Minimum - Maximum	0.474 - 0.797
Control test value ± U	0.605 ± 0.0695

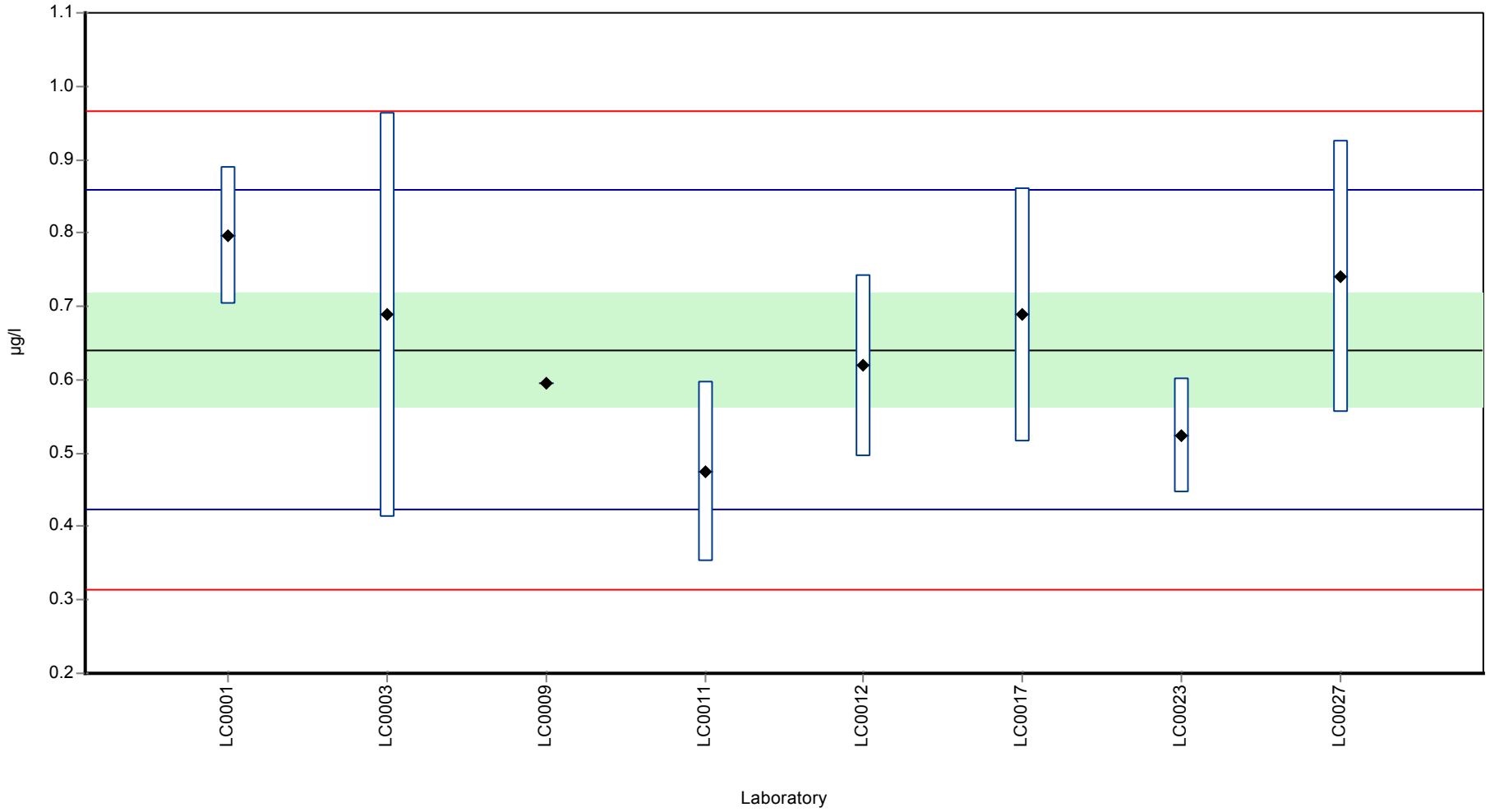
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.7967	0.094	124	1.44	
LC0002	-	-	-	-	
LC0003	0.688	0.275	107	0.43	
LC0004	-	-	-	-	
LC0005	-	-	-	-	
LC0006	-	-	-	-	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	0.596	-	93	-0.41	
LC0010	-	-	-	-	
LC0011	0.474	0.123	74	-1.54	
LC0012	0.619	0.124	96.6	-0.2	
LC0013	-	-	-	-	
LC0014	-	-	-	-	
LC0015	-	-	-	-	
LC0016	-	-	-	-	
LC0017	0.688	0.172	107	0.43	
LC0018	-	-	-	-	
LC0019	-	-	-	-	
LC0020	-	-	-	-	
LC0021	-	-	-	-	
LC0022	-	-	-	-	
LC0023	0.524	0.079	81.8	-1.07	
LC0024	-	-	-	-	
LC0025	-	-	-	-	
LC0026	-	-	-	-	
LC0027	0.74	0.185	115	0.91	

Characteristics of parameter

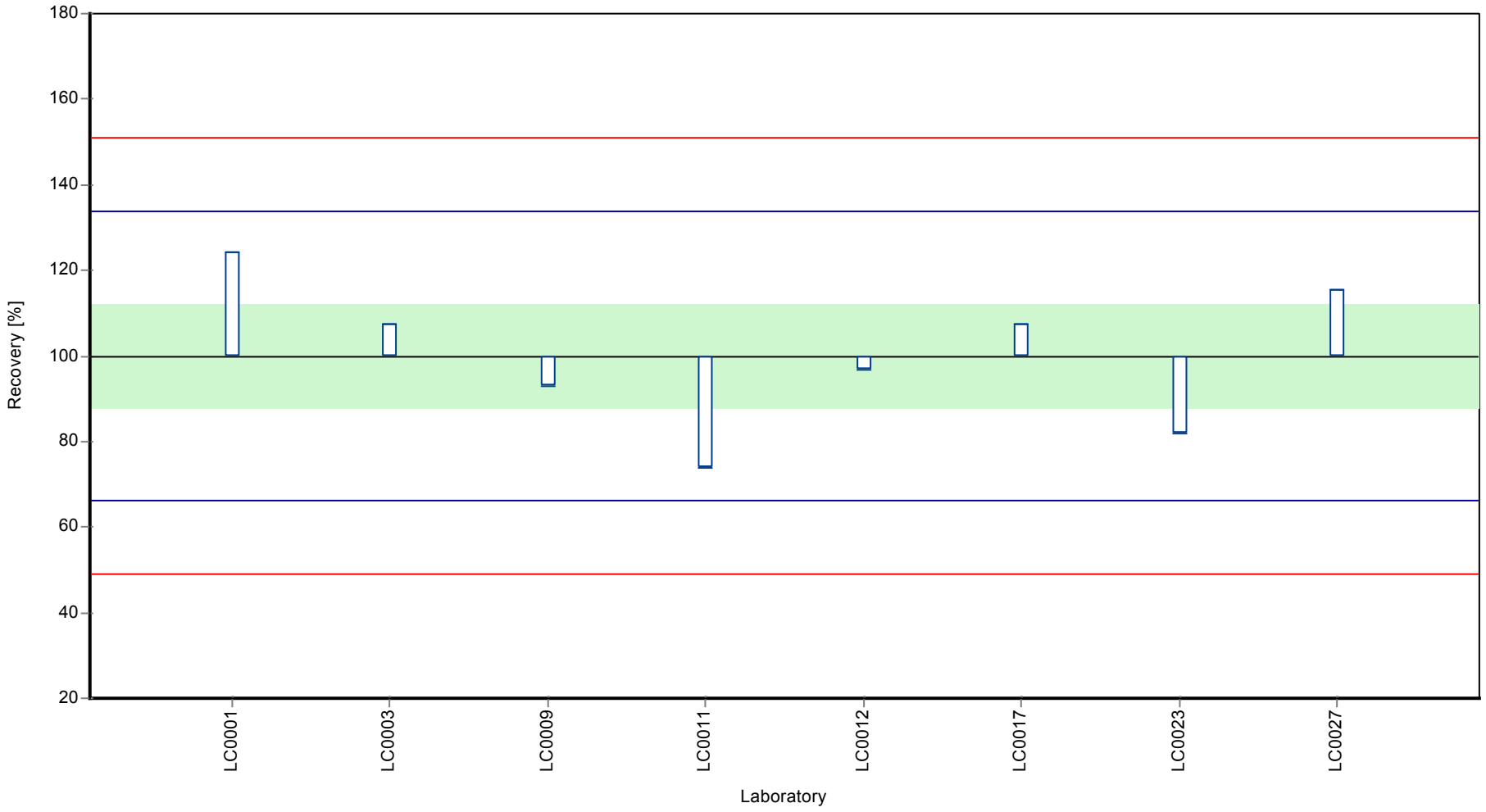
	all results	without outliers	Unit
Mean ± CI (99%)	0.641 ± 0.115	0.641 ± 0.115	µg/l
Minimum	0.474	0.474	µg/l
Maximum	0.797	0.797	µg/l
Standard deviation	0.109	0.109	µg/l
rel. Standard deviation	16.9	16.9	%
n	8	8	-

Graphical presentation of results

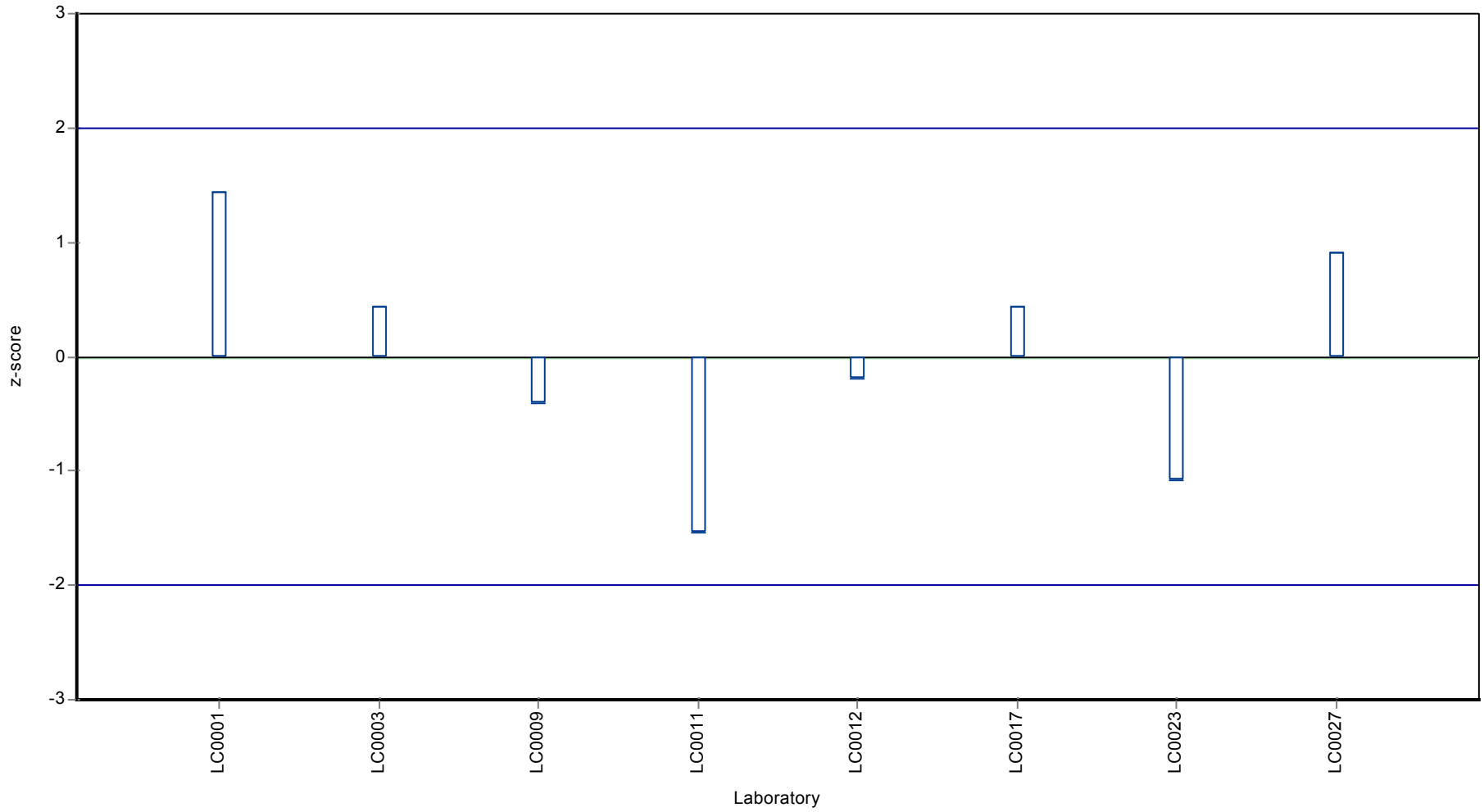
Results



Recovery rate



Z-score


3
2
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-2
-3
z-score
LC0001
LC0003
LC0009
LC0011
LC0012
LC0017
LC0023
LC0027
Laboratory

Parameter oriented report

H95 A

AMPA

Unit	µg/l
Mean ± CI (99%)	0.156 ± 0.0221
Minimum - Maximum	0.127 - 0.18
Control test value ± U	0.167 ± 0.0471

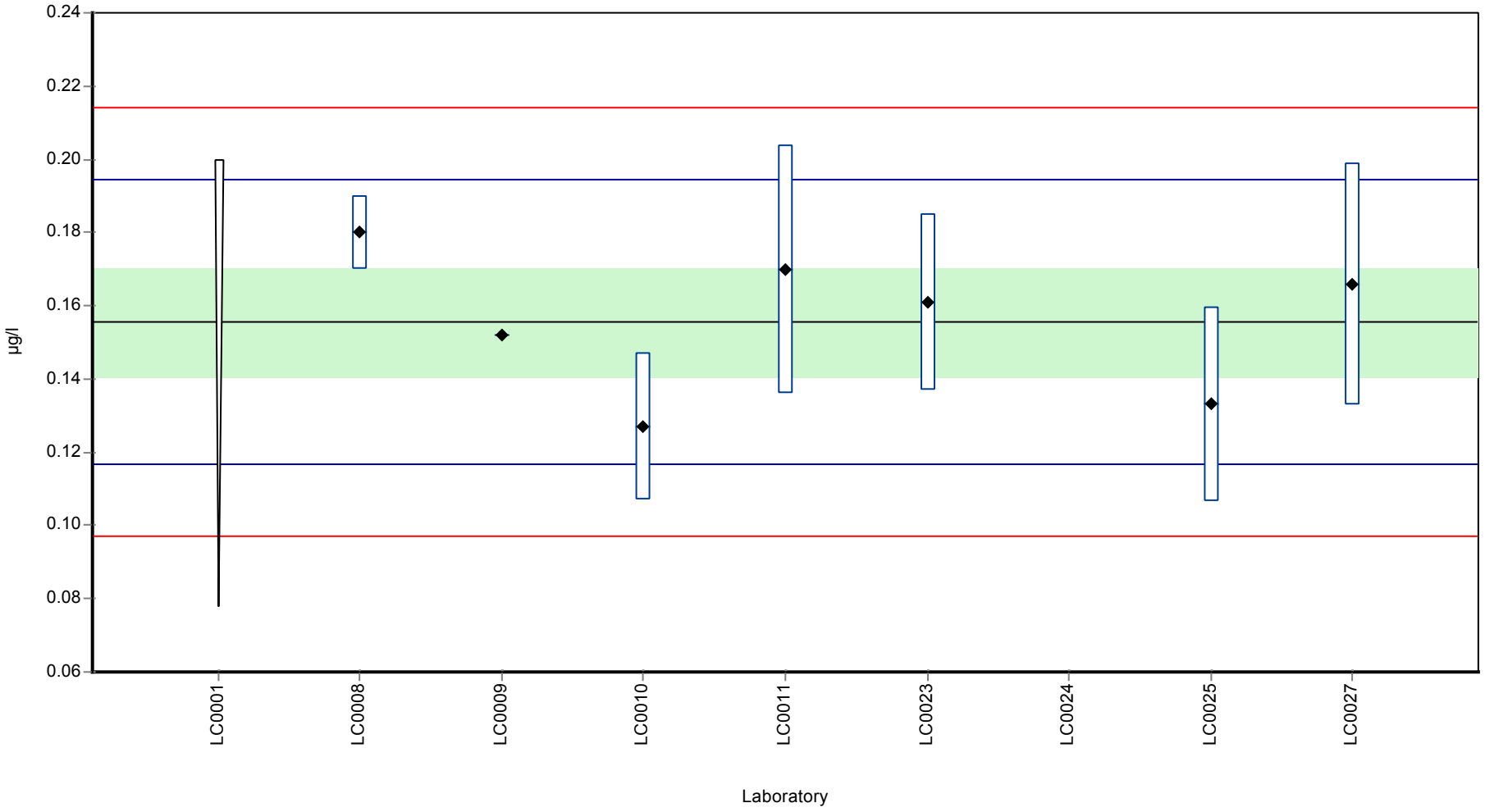
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	< 0.2 (LOQ)	-	-	-	
LC0002	-	-	-	-	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	-	-	-	-	
LC0006	-	-	-	-	
LC0007	-	-	-	-	
LC0008	0.18	0.01	116	1.25	
LC0009	0.152	-	97.7	-0.18	
LC0010	0.127	0.02	81.6	-1.47	
LC0011	0.17	0.034	109	0.74	
LC0012	-	-	-	-	
LC0013	-	-	-	-	
LC0014	-	-	-	-	
LC0015	-	-	-	-	
LC0016	-	-	-	-	
LC0017	-	-	-	-	
LC0018	-	-	-	-	
LC0019	-	-	-	-	
LC0020	-	-	-	-	
LC0021	-	-	-	-	
LC0022	-	-	-	-	
LC0023	0.161	0.024	103	0.28	
LC0024	< 0.01 (LOQ)	-	-	-	
LC0025	0.1331	0.0266	85.5	-1.15	
LC0026	-	-	-	-	
LC0027	0.166	0.033	107	0.54	

Characteristics of parameter

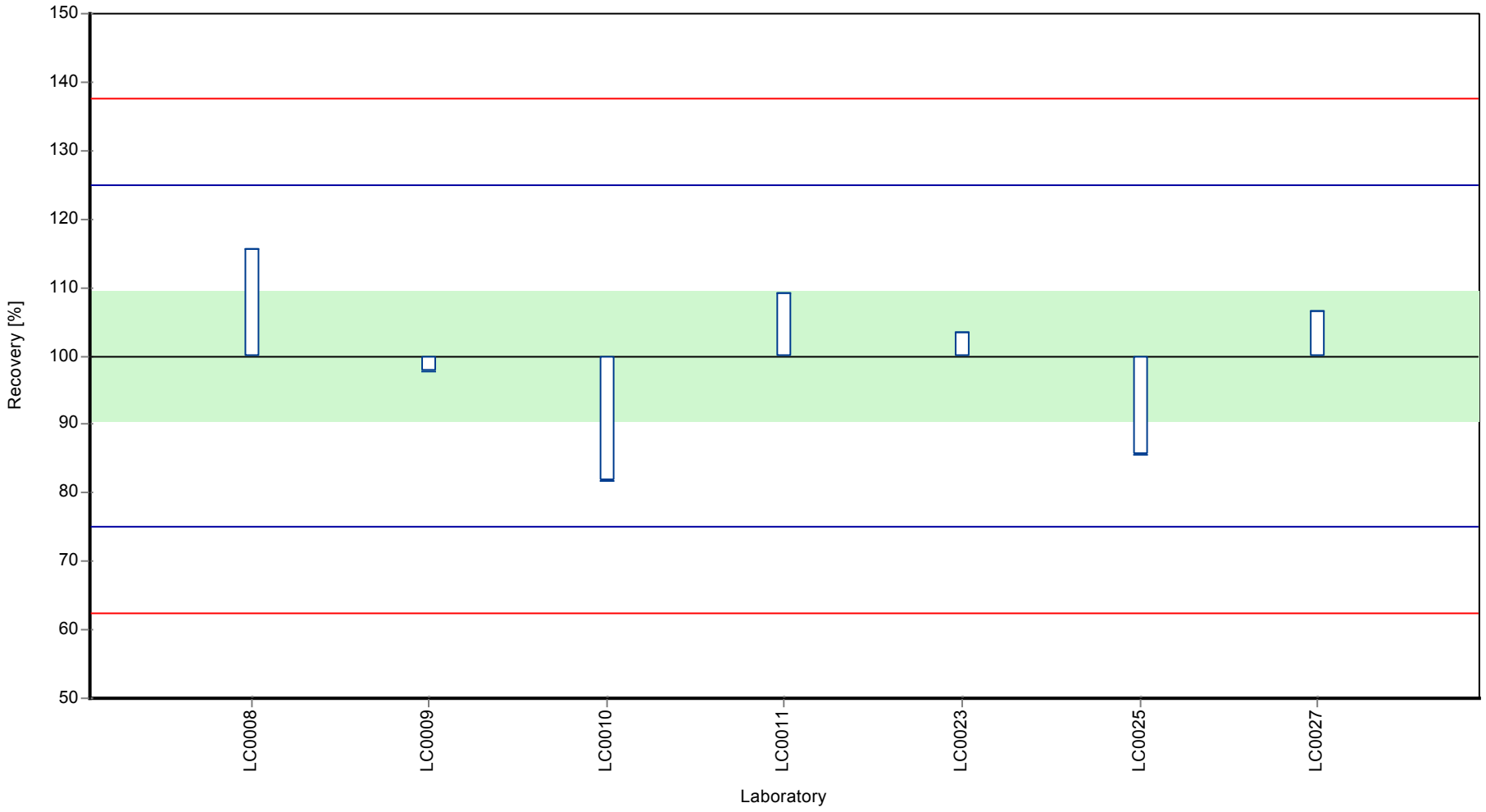
	all results	without outliers	Unit
Mean ± CI (99%)	0.156 ± 0.0221	0.156 ± 0.0221	µg/l
Minimum	0.127	0.127	µg/l
Maximum	0.18	0.18	µg/l
Standard deviation	0.0195	0.0195	µg/l
rel. Standard deviation	12.5	12.5	%
n	7	7	-

Graphical presentation of results

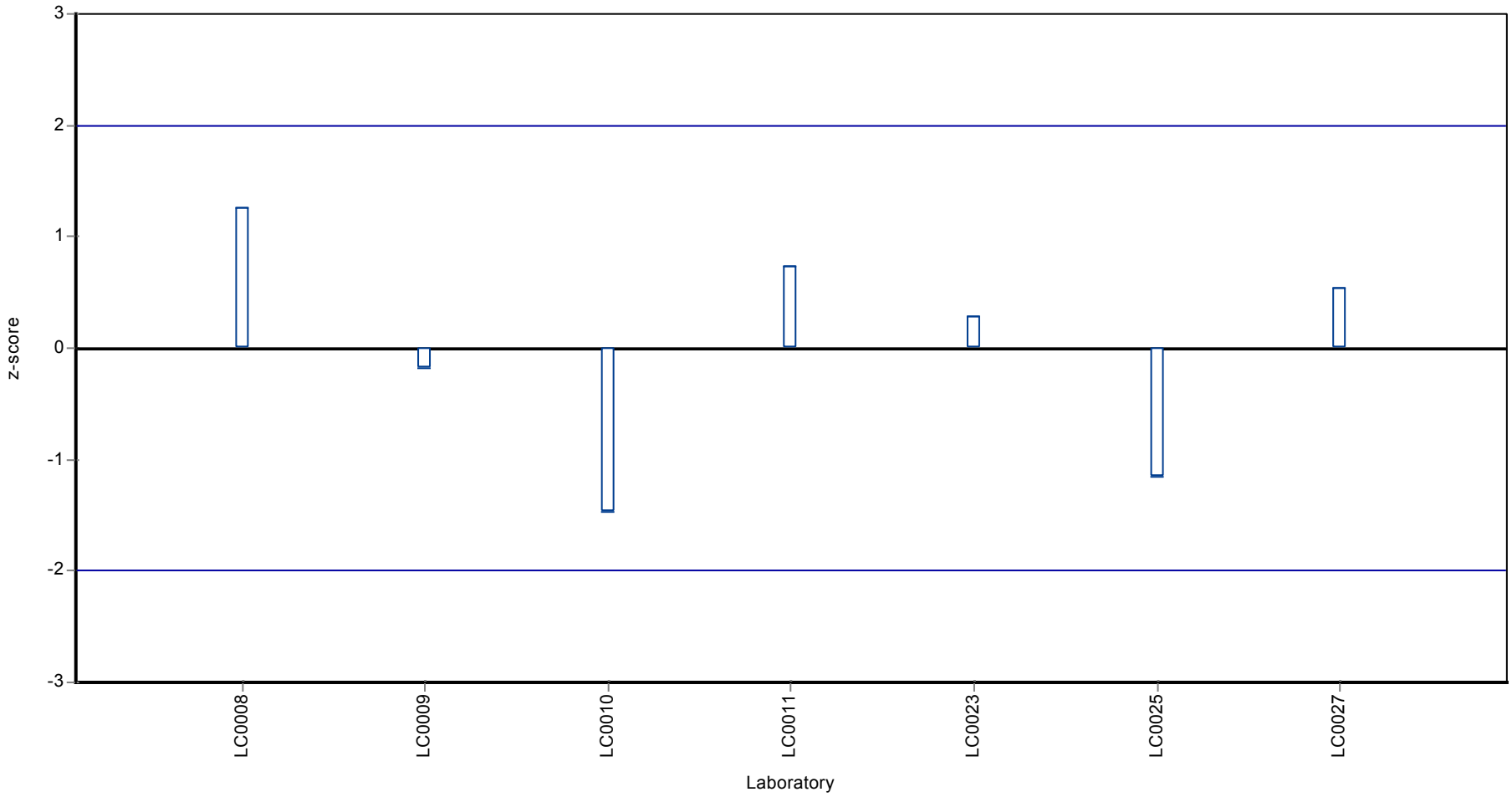
Results



Recovery rate



Z-score


3
2
1
0
-1
-2
-3
z-score
LC0008
LC0009
LC0010
LC0011
LC0023
LC0025
LC0027
Laboratory

Parameter oriented report

H95 B

AMPA

Unit	µg/l
Mean ± CI (99%)	0.924 ± 0.137
Minimum - Maximum	0.7 - 1.16
Control test value ± U	0.864 ± 0.0656

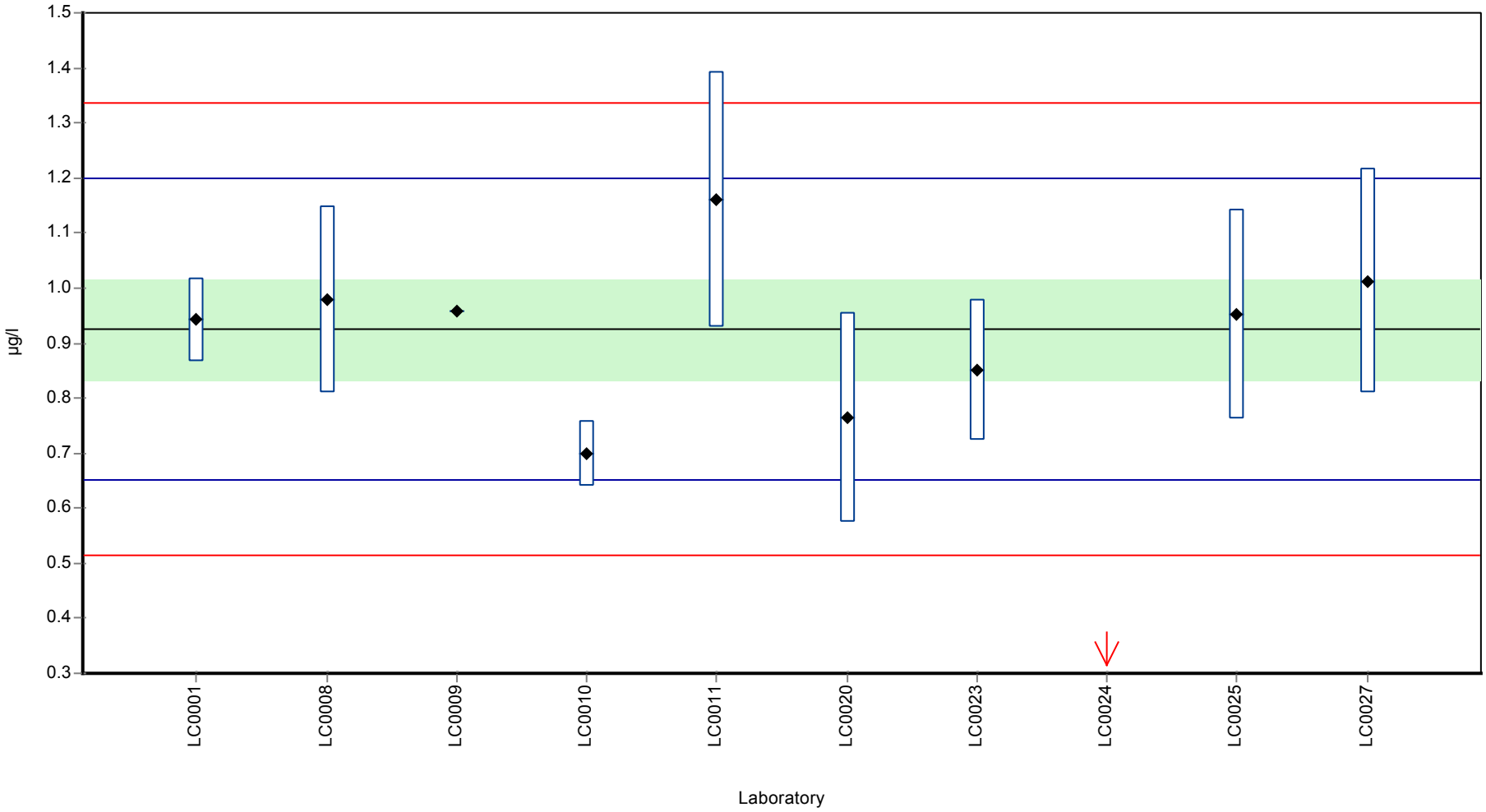
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.942	0.076	102	0.13	
LC0002	-	-	-	-	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	-	-	-	-	
LC0006	-	-	-	-	
LC0007	-	-	-	-	
LC0008	0.98	0.17	106	0.41	
LC0009	0.957	-	104	0.24	
LC0010	0.7	0.06	75.7	-1.64	
LC0011	1.16	0.232	125	1.72	
LC0012	-	-	-	-	
LC0013	-	-	-	-	
LC0014	-	-	-	-	
LC0015	-	-	-	-	
LC0016	-	-	-	-	
LC0017	-	-	-	-	
LC0018	-	-	-	-	
LC0019	-	-	-	-	
LC0020	0.764	0.191	82.6	-1.17	
LC0021	-	-	-	-	
LC0022	-	-	-	-	
LC0023	0.852	0.128	92.2	-0.53	
LC0024	0.04965	0.0024	5.4	-6.39	H
LC0025	0.9515	0.1903	103	0.2	
LC0026	-	-	-	-	
LC0027	1.013	0.203	110	0.65	

Characteristics of parameter

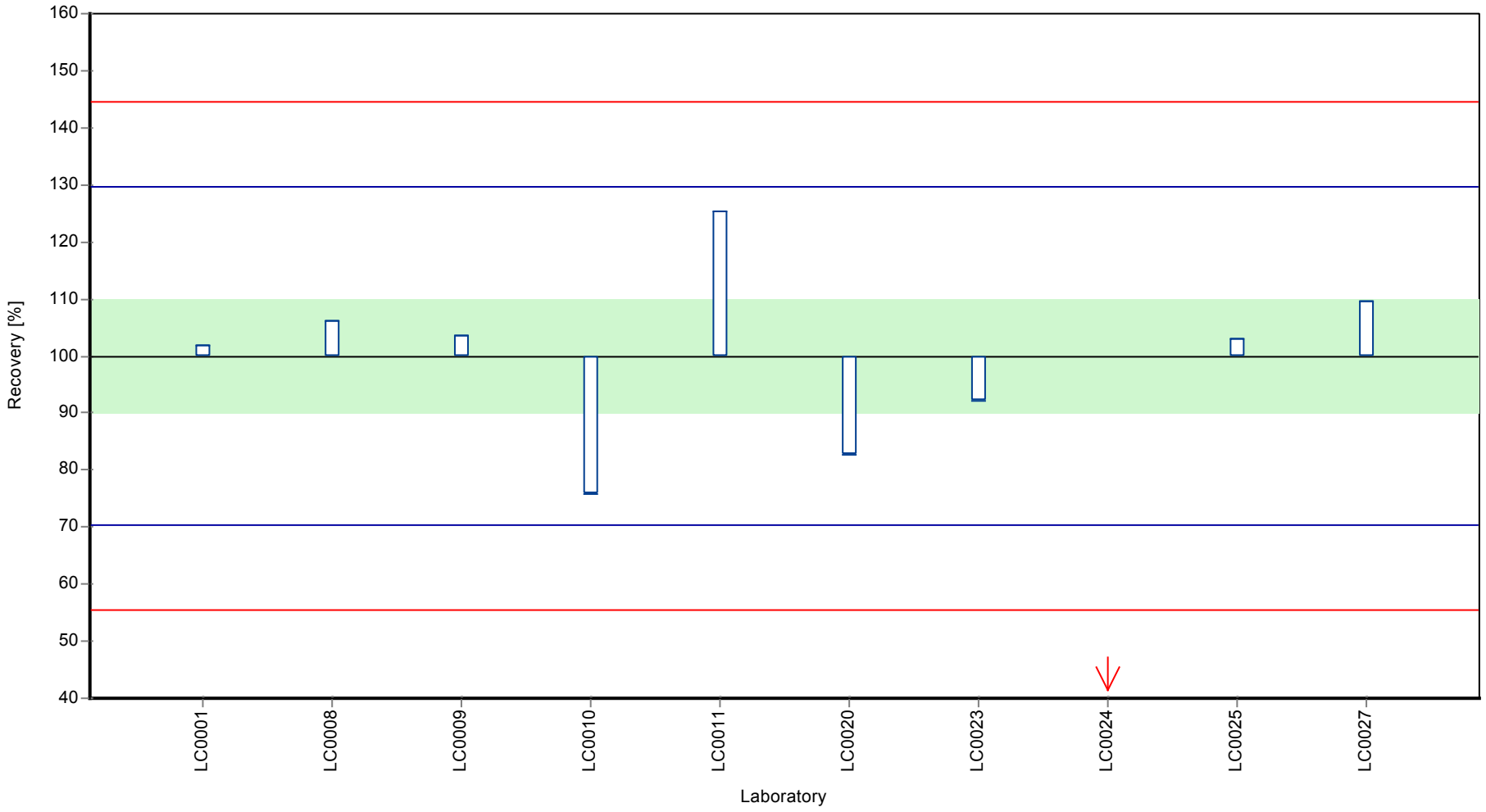
	all results	without outliers	Unit
Mean ± CI (99%)	0.837 ± 0.29	0.924 ± 0.137	µg/l
Minimum	0.0496	0.7	µg/l
Maximum	1.16	1.16	µg/l
Standard deviation	0.305	0.137	µg/l
rel. Standard deviation	36.5	14.8	%
n	10	9	-

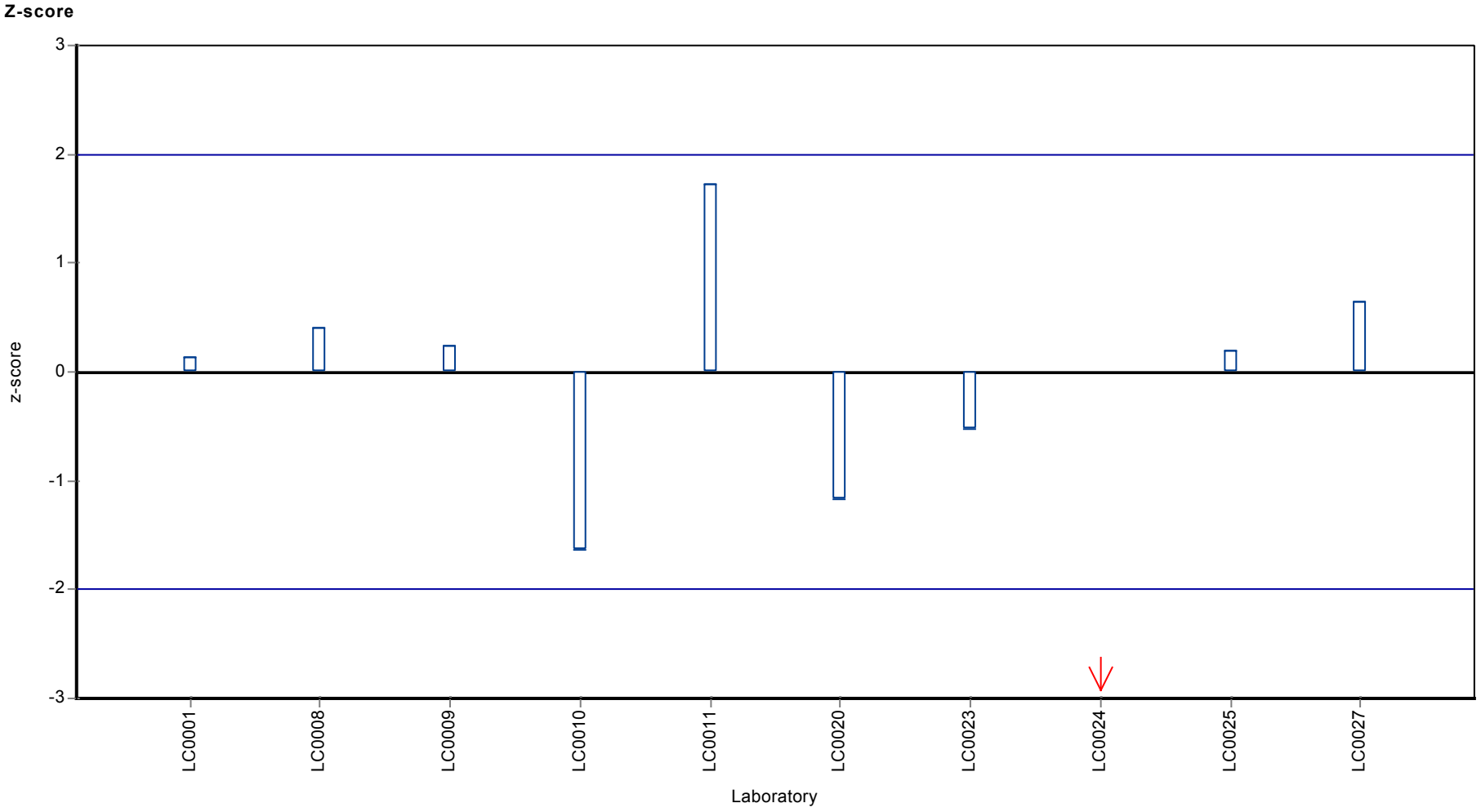
Graphical presentation of results

Results



Recovery rate




Z-score
3
2
1
0
-1
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-3
z-score
LC0001
LC0008
LC0009
LC0010
LC0011
LC0020
LC0023
LC0024
LC0025
LC0027
Laboratory

Parameter oriented report

H95 A

Bentazone

Unit	µg/l
Mean ± CI (99%)	0.303 ± 0.0581
Minimum - Maximum	0.129 - 0.471
Control test value ± U	0.350 ± 0.0249

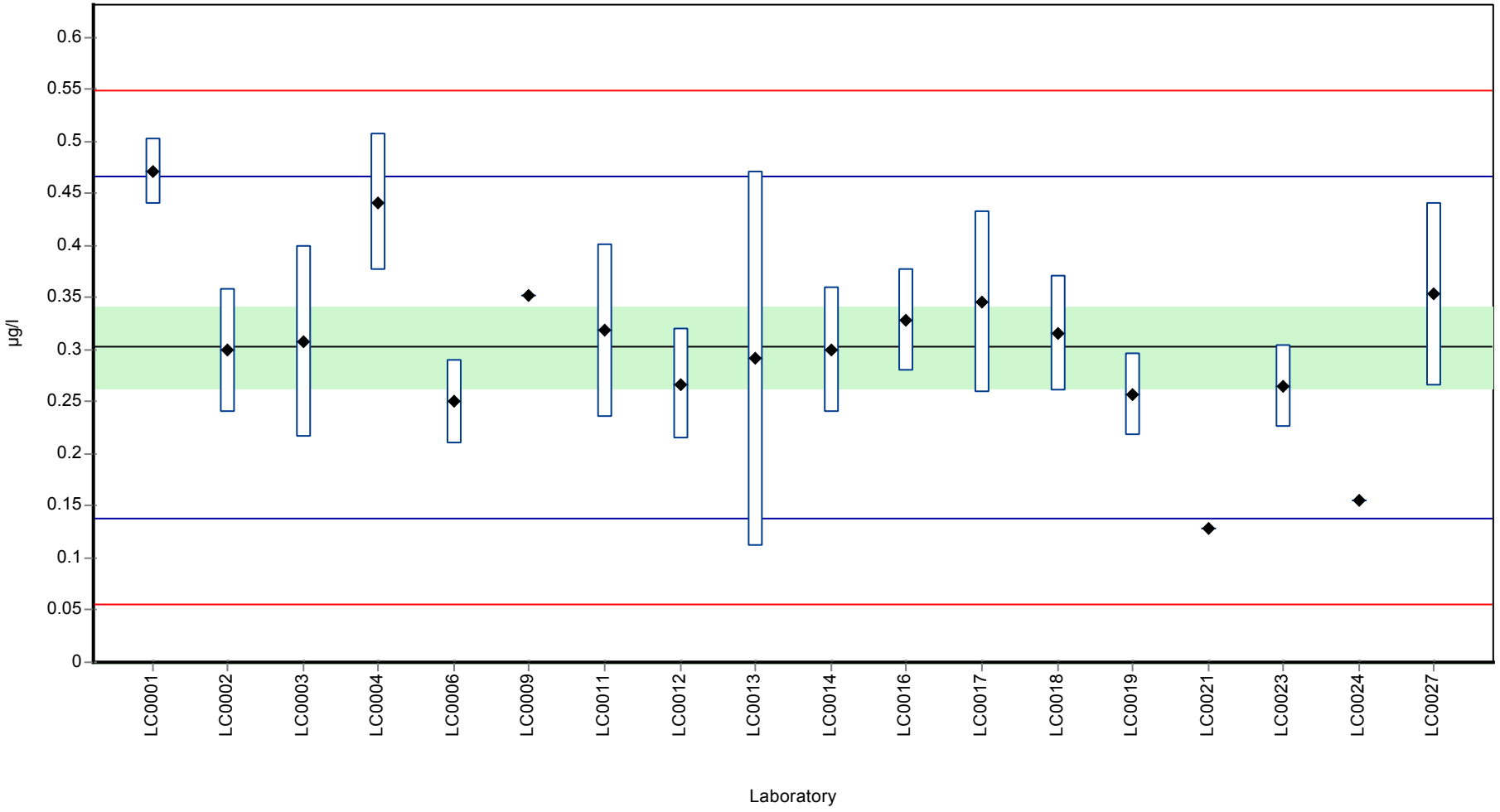
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.4708	0.032	156	2.05	
LC0002	0.299	0.06	98.8	-0.04	
LC0003	0.308	0.092	102	0.07	
LC0004	0.441	0.066	146	1.69	
LC0005	-	-	-	-	
LC0006	0.25	0.04	82.6	-0.64	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	0.352	-	116	0.6	
LC0010	-	-	-	-	
LC0011	0.318	0.083	105	0.19	
LC0012	0.267	0.053	88.2	-0.43	
LC0013	0.291	0.1804	96.2	-0.14	
LC0014	0.3	0.06	99.2	-0.03	
LC0015	-	-	-	-	
LC0016	0.328	0.049	108	0.31	
LC0017	0.346	0.087	114	0.53	
LC0018	0.3153	0.0559	104	0.15	
LC0019	0.257	0.04	84.9	-0.56	
LC0020	-	-	-	-	
LC0021	0.129	-	42.6	-2.11	
LC0022	-	-	-	-	
LC0023	0.265	0.04	87.6	-0.46	
LC0024	0.15614	0.0015	51.6	-1.78	
LC0025	-	-	-	-	
LC0026	-	-	-	-	
LC0027	0.353	0.088	117	0.61	

Characteristics of parameter

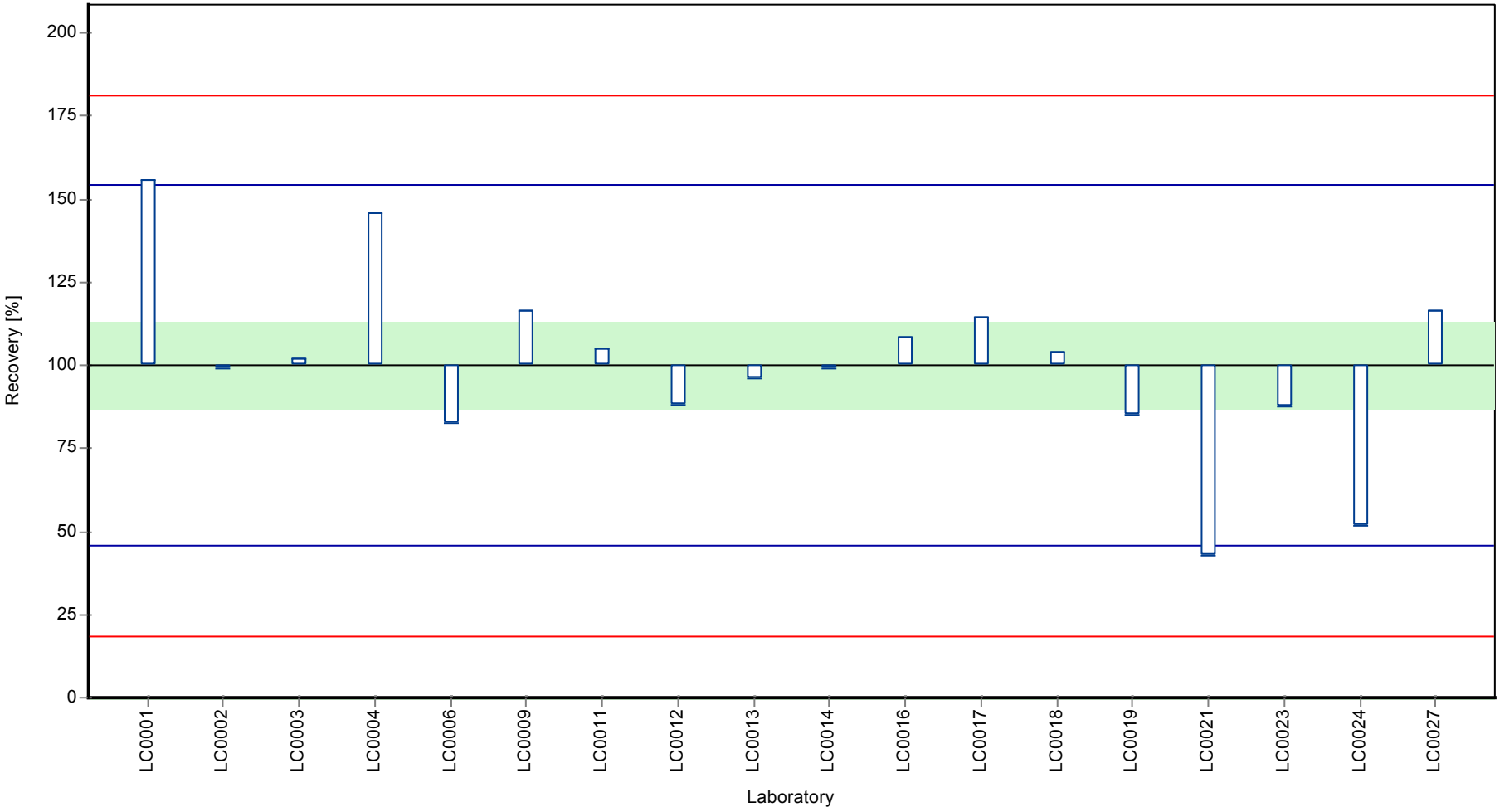
	all results	without outliers	Unit
Mean ± CI (99%)	0.303 ± 0.0581	0.303 ± 0.0581	µg/l
Minimum	0.129	0.129	µg/l
Maximum	0.471	0.471	µg/l
Standard deviation	0.0821	0.0821	µg/l
rel. Standard deviation	27.1	27.1	%
n	18	18	-

Graphical presentation of results

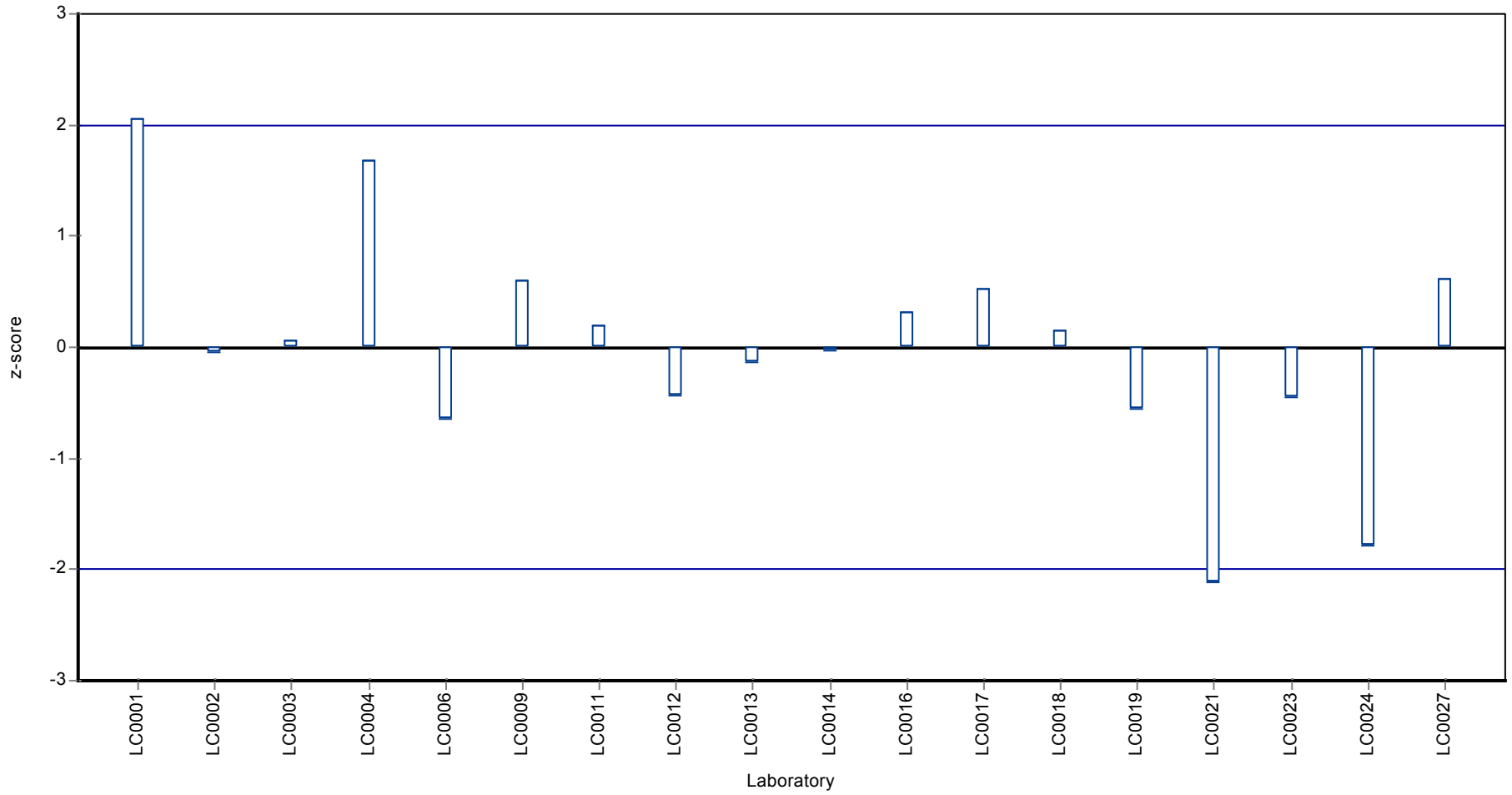
Results



Recovery rate



Z-score


3
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z-score
LC0001
LC0002
LC0003
LC0004
LC0006
LC0009
LC0011
LC0012
LC0013
LC0014
LC0016
LC0017
LC0018
LC0019
LC0021
LC0023
LC0024
LC0027
Laboratory

Parameter oriented report

H95 B

Bentazone

Unit	µg/l
Mean ± CI (99%)	0.501 ± 0.061
Minimum - Maximum	0.326 - 0.651
Control test value ± U	0.525 ± 0.0611

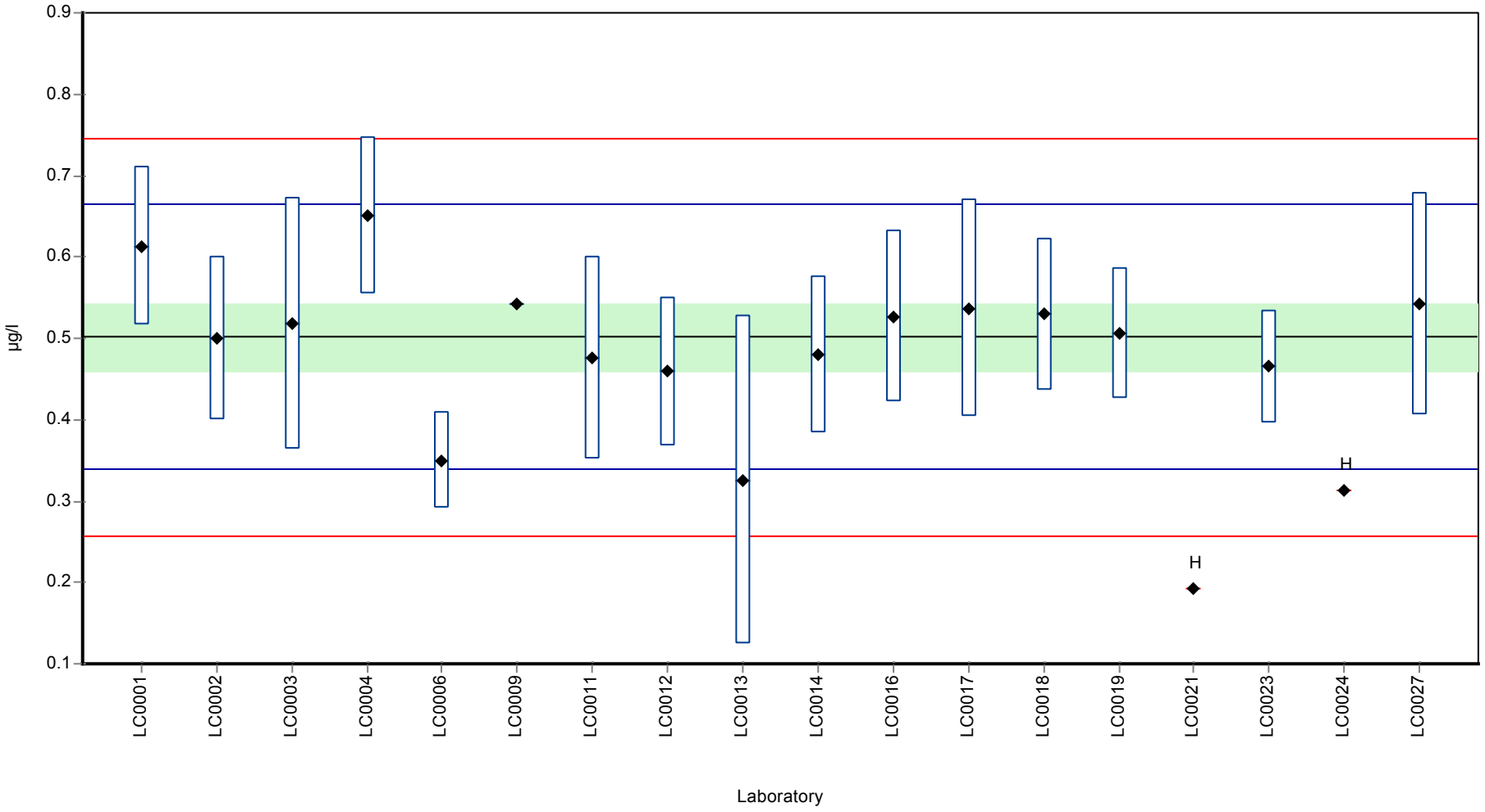
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.6128	0.0973	122	1.37	
LC0002	0.5	0.1	99.7	-0.02	
LC0003	0.518	0.155	103	0.21	
LC0004	0.651	0.097	130	1.84	
LC0005	-	-	-	-	
LC0006	0.35	0.06	69.8	-1.86	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	0.542	-	108	0.5	
LC0010	-	-	-	-	
LC0011	0.476	0.124	95	-0.31	
LC0012	0.459	0.092	91.6	-0.52	
LC0013	0.3256	0.2019	65	-2.16	
LC0014	0.48	0.096	95.8	-0.26	
LC0015	-	-	-	-	
LC0016	0.527	0.105	105	0.32	
LC0017	0.537	0.134	107	0.44	
LC0018	0.5292	0.0938	106	0.34	
LC0019	0.506	0.08	101	0.06	
LC0020	-	-	-	-	
LC0021	0.193	-	38.5	-3.79	H
LC0022	-	-	-	-	
LC0023	0.465	0.069	92.8	-0.45	
LC0024	0.31215	0.0017	62.3	-2.33	H
LC0025	-	-	-	-	
LC0026	-	-	-	-	
LC0027	0.542	0.136	108	0.5	

Characteristics of parameter

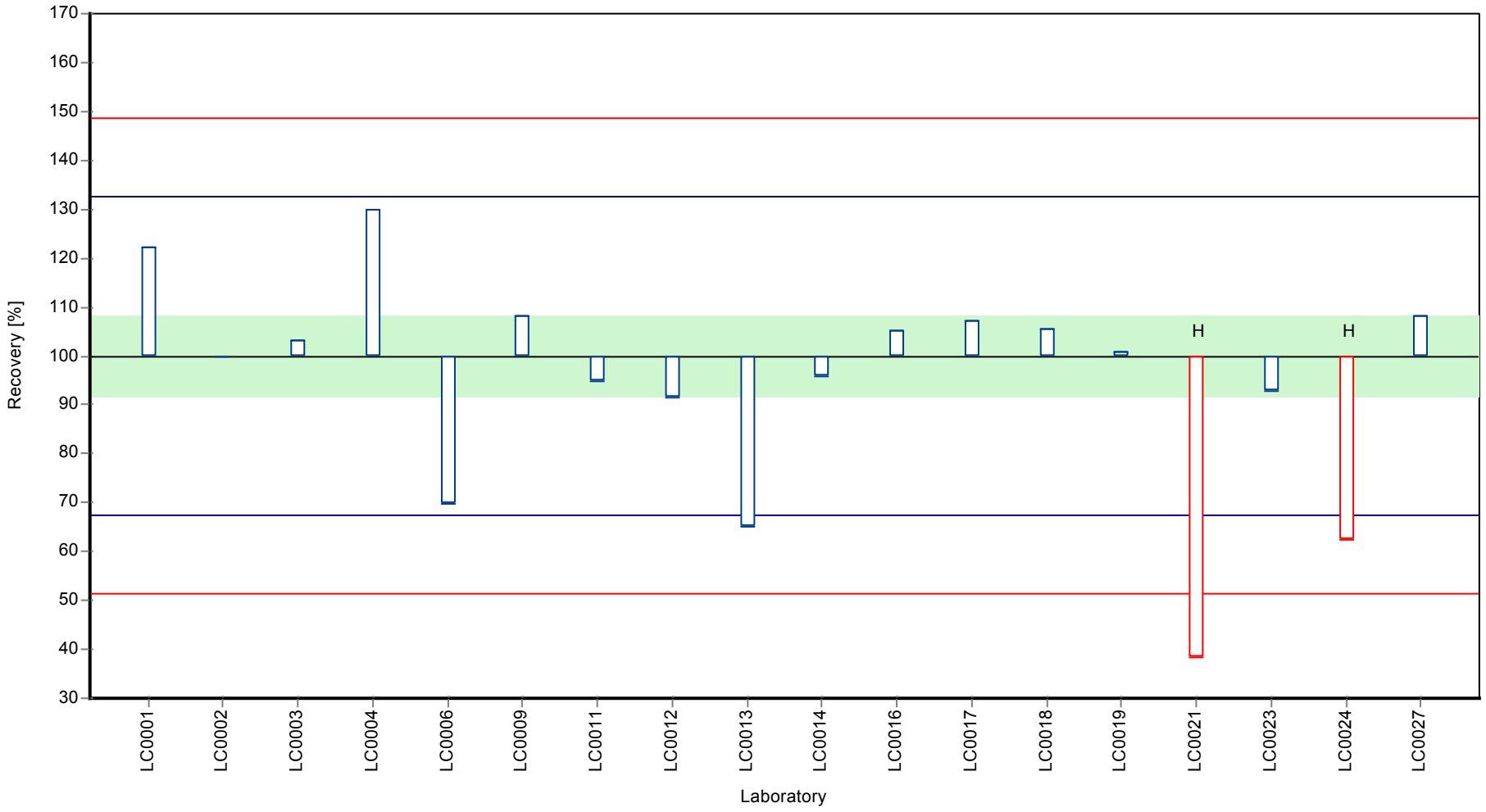
	all results	without outliers	Unit
Mean ± CI (99%)	0.474 ± 0.0797	0.501 ± 0.061	µg/l
Minimum	0.193	0.326	µg/l
Maximum	0.651	0.651	µg/l
Standard deviation	0.113	0.0813	µg/l
rel. Standard deviation	23.8	16.2	%
n	18	16	-

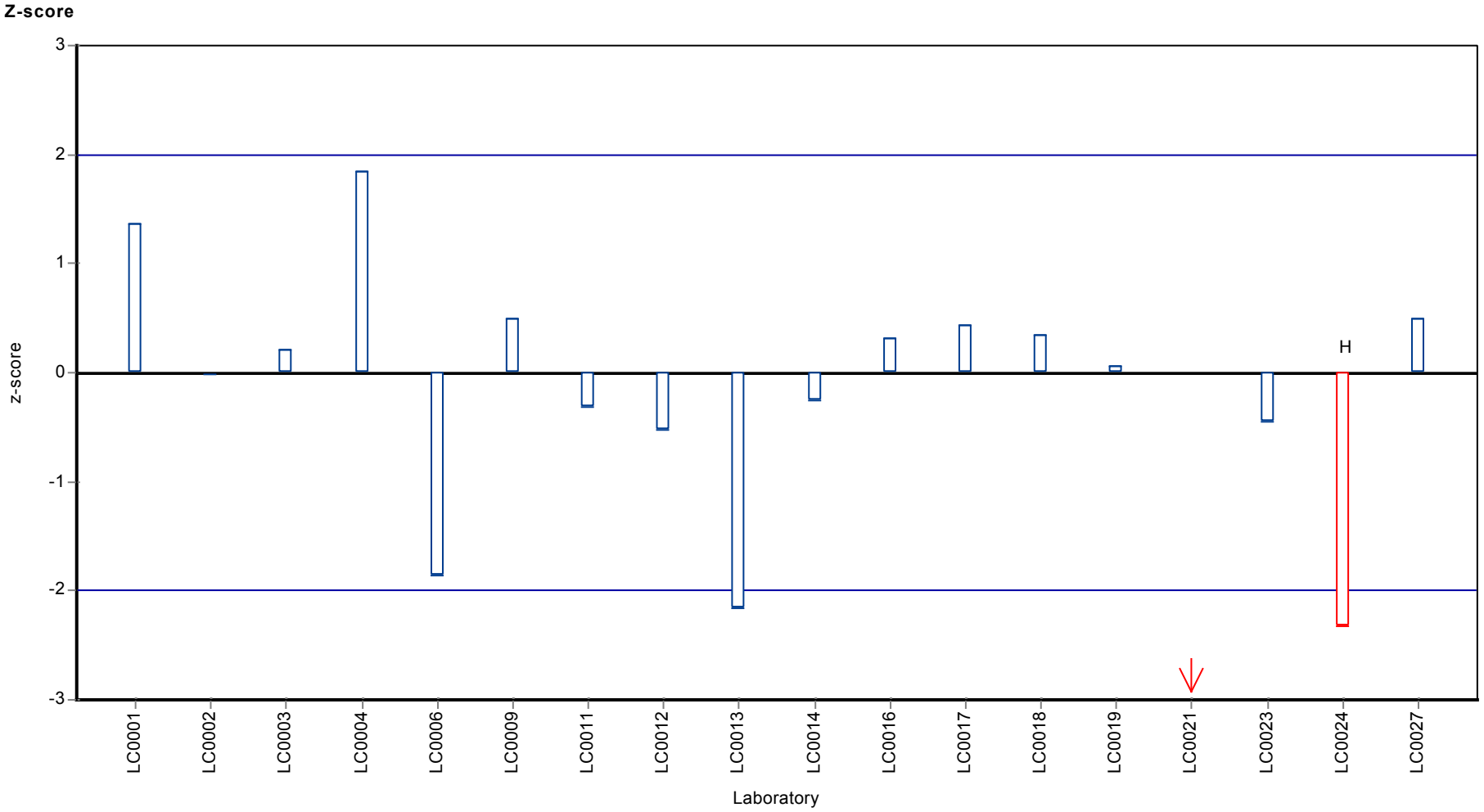
Graphical presentation of results

Results



Recovery rate

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z-score
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LC0001
LC0002
LC0003
LC0004
LC0006
LC0009
LC0011
LC0012
LC0013
LC0014
LC0016
LC0017
LC0018
LC0019
LC0021
LC0023
LC0024
LC0027
Laboratory

Parameter oriented report

H95 A

Dicamba

Unit	µg/l
Mean ± CI (99%)	0.362 ± 0.0657
Minimum - Maximum	0.2 - 0.494
Control test value ± U	0.41 ± 0.0253

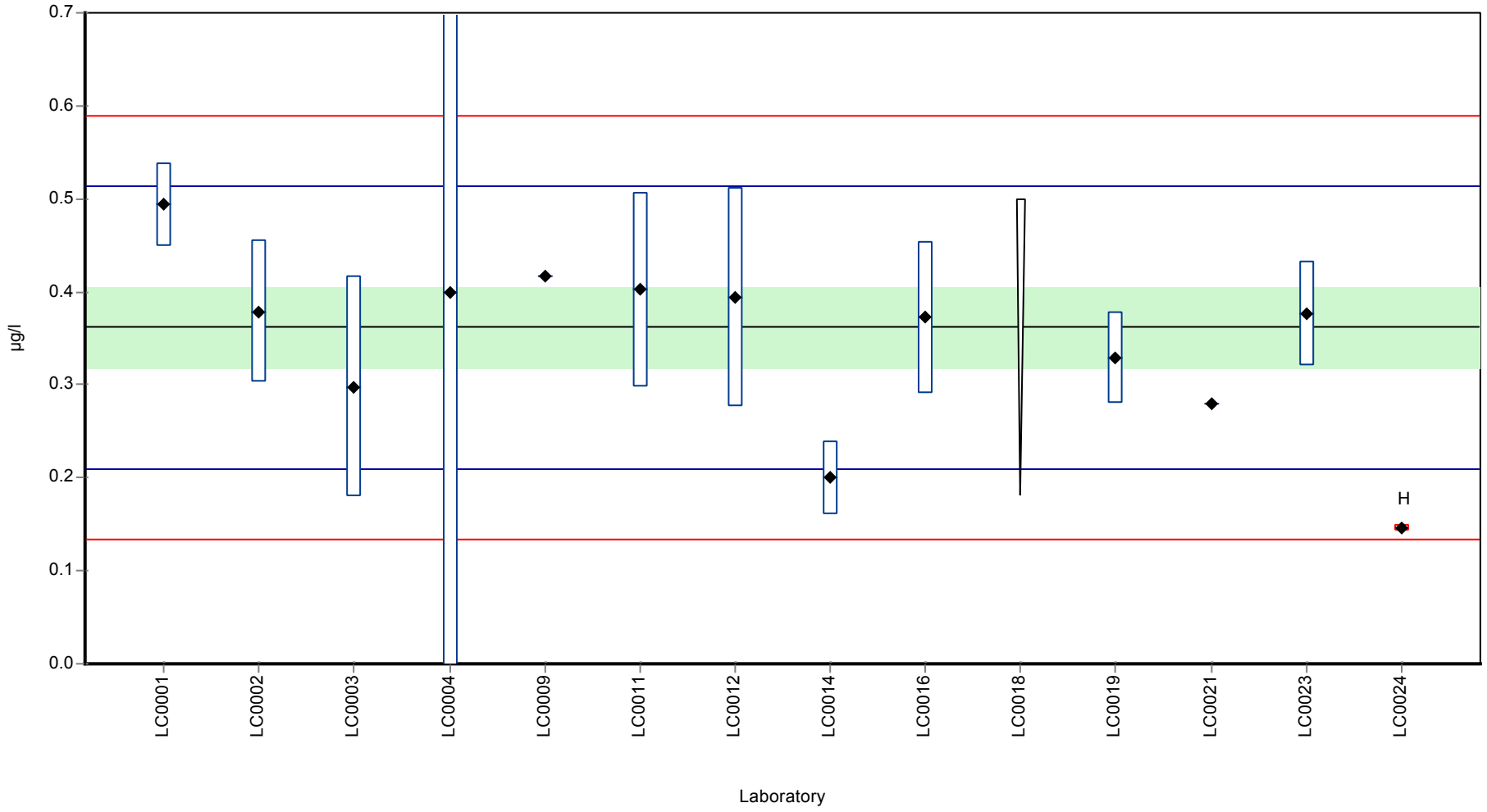
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.4937	0.0446	137	1.74	
LC0002	0.379	0.076	105	0.23	
LC0003	0.298	0.119	82.4	-0.84	
LC0004	0.4	0.6	111	0.51	
LC0005	-	-	-	-	
LC0006	-	-	-	-	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	0.416	-	115	0.72	
LC0010	-	-	-	-	
LC0011	0.402	0.105	111	0.53	
LC0012	0.394	0.118	109	0.43	
LC0013	-	-	-	-	
LC0014	0.2	0.04	55.3	-2.13	
LC0015	-	-	-	-	
LC0016	0.372	0.082	103	0.14	
LC0017	-	-	-	-	
LC0018	< 0.5 (LOQ)	-	-	-	
LC0019	0.329	0.05	91	-0.43	
LC0020	-	-	-	-	
LC0021	0.279	-	77.2	-1.09	
LC0022	-	-	-	-	
LC0023	0.376	0.056	104	0.19	
LC0024	0.14634	0.0034	40.5	-2.84	H
LC0025	-	-	-	-	
LC0026	-	-	-	-	
LC0027	-	-	-	-	

Characteristics of parameter

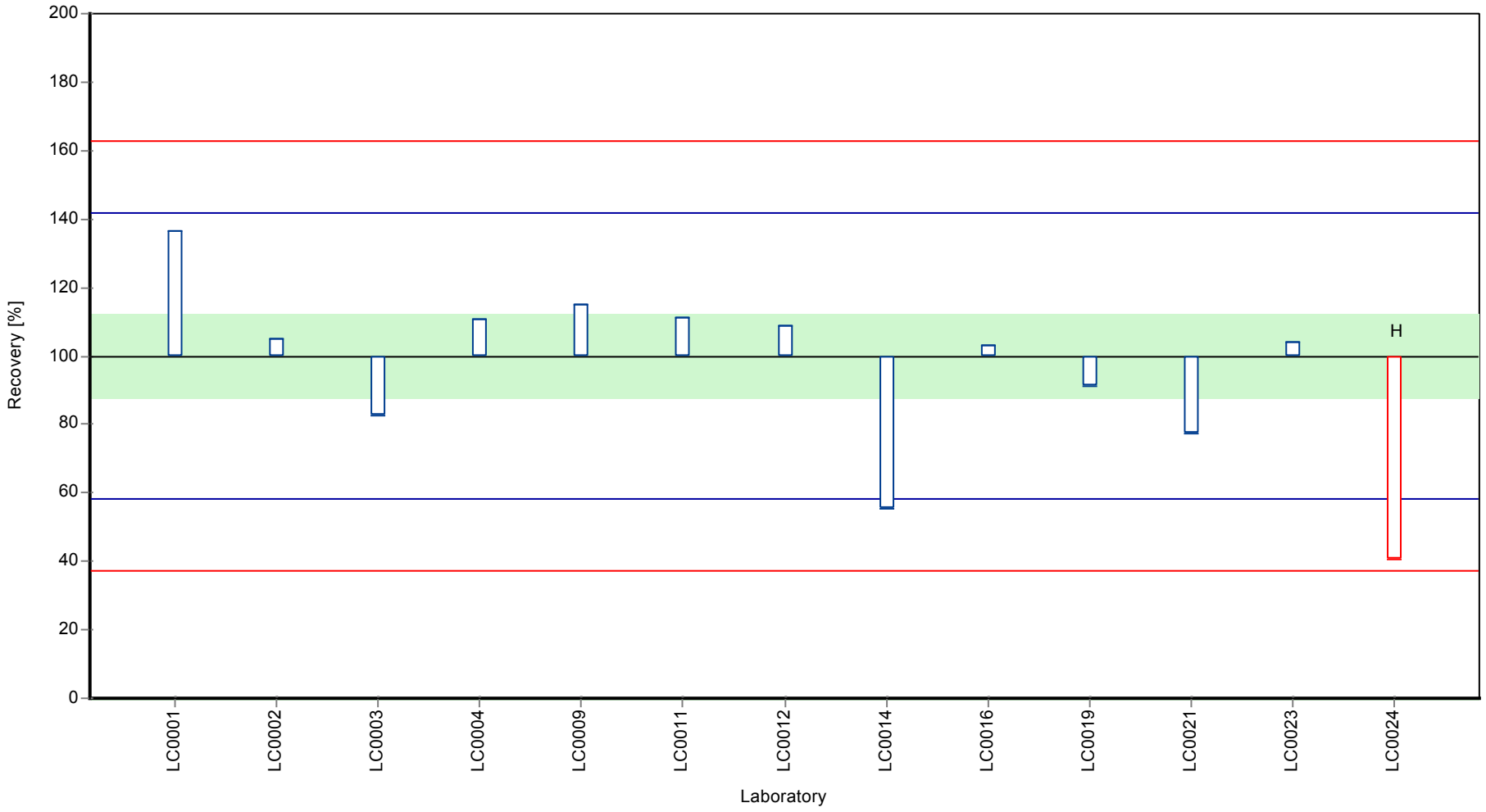
	all results	without outliers	Unit
Mean ± CI (99%)	0.345 ± 0.0782	0.362 ± 0.0657	µg/l
Minimum	0.146	0.2	µg/l
Maximum	0.494	0.494	µg/l
Standard deviation	0.094	0.0758	µg/l
rel. Standard deviation	27.2	21	%
n	13	12	-

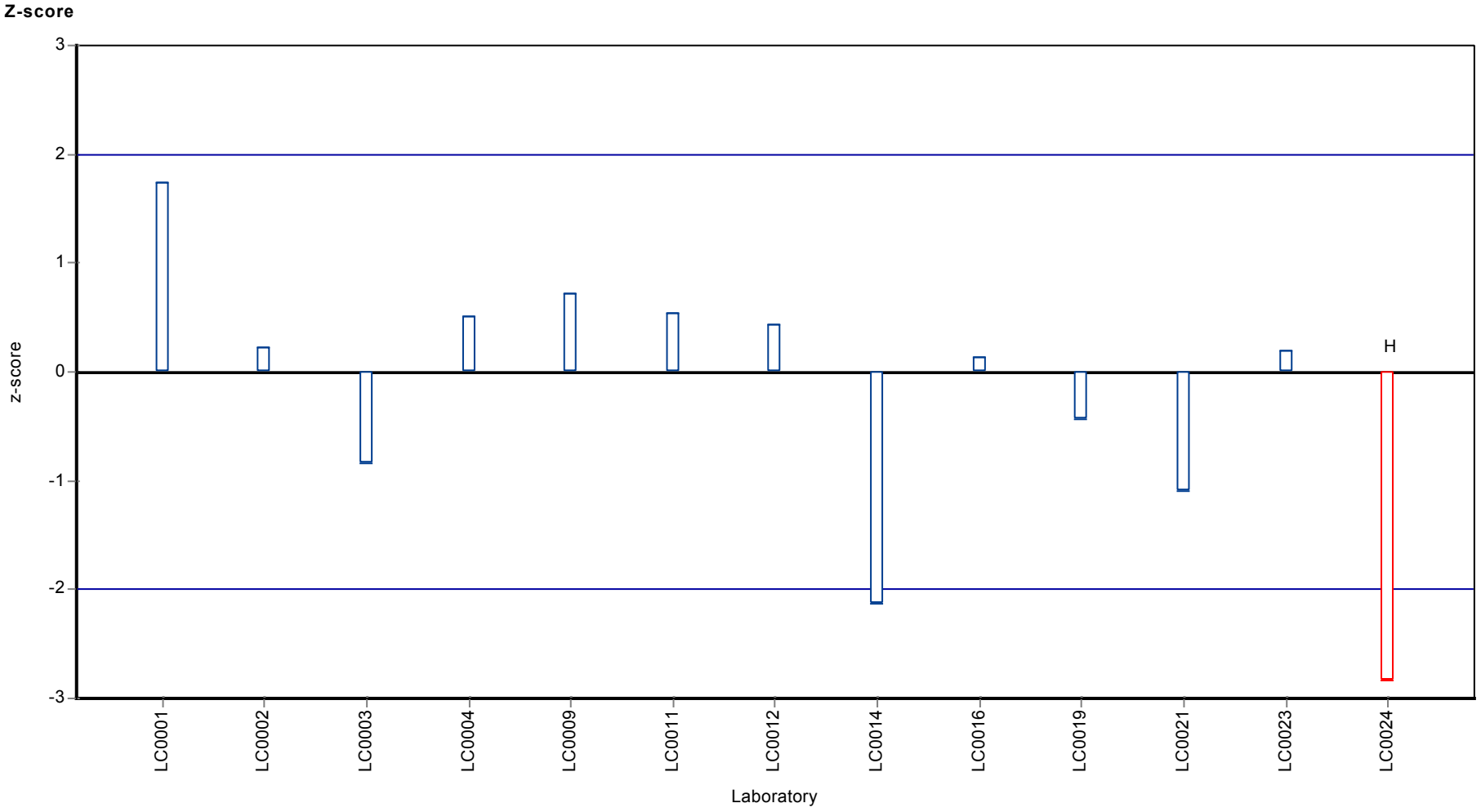
Graphical presentation of results

Results



Recovery rate




Z-score
3
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-1
-2
-3
z-score
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LC0001
LC0002
LC0003
LC0004
LC0009
LC0011
LC0012
LC0014
LC0016
LC0019
LC0021
LC0023
LC0024
Laboratory

Parameter oriented report

H95 B

Dicamba

Unit	µg/l
Mean ± CI (99%)	0.292 ± 0.06
Minimum - Maximum	0.15 - 0.376
Control test value ± U	0.296 ± 0.0297

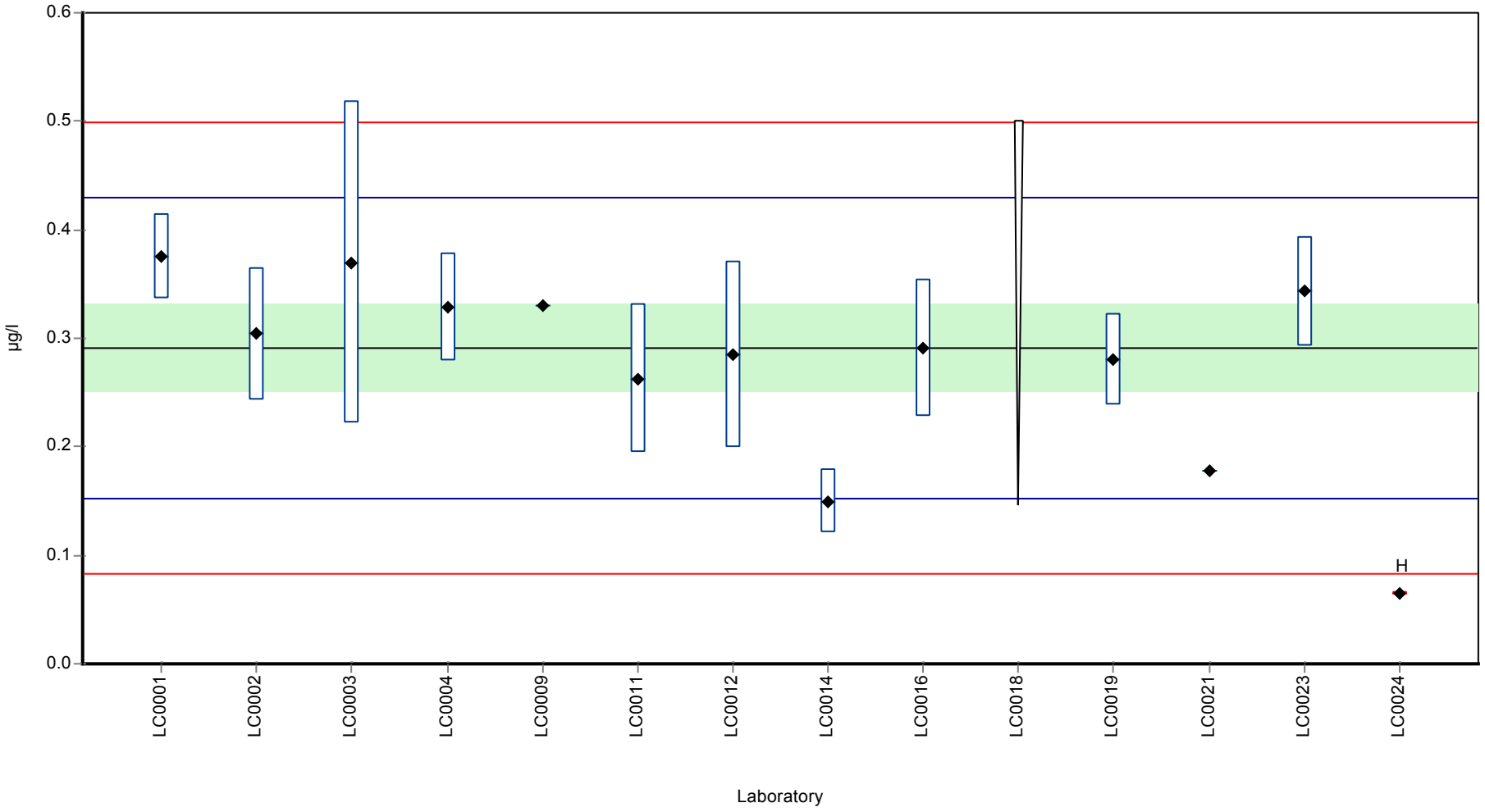
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.3758	0.0389	129	1.22	
LC0002	0.304	0.061	104	0.18	
LC0003	0.37	0.148	127	1.13	
LC0004	0.329	0.05	113	0.54	
LC0005	-	-	-	-	
LC0006	-	-	-	-	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	0.33	-	113	0.55	
LC0010	-	-	-	-	
LC0011	0.263	0.068	90.2	-0.41	
LC0012	0.285	0.086	97.7	-0.09	
LC0013	-	-	-	-	
LC0014	0.15	0.03	51.4	-2.04	
LC0015	-	-	-	-	
LC0016	0.291	0.064	99.8	-0.01	
LC0017	-	-	-	-	
LC0018	< 0.5 (LOQ)	-	-	-	
LC0019	0.28	0.042	96	-0.17	
LC0020	-	-	-	-	
LC0021	0.178	-	61	-1.64	
LC0022	-	-	-	-	
LC0023	0.343	0.051	118	0.74	
LC0024	0.06497	0.002	22.3	-3.27	H
LC0025	-	-	-	-	
LC0026	-	-	-	-	
LC0027	-	-	-	-	

Characteristics of parameter

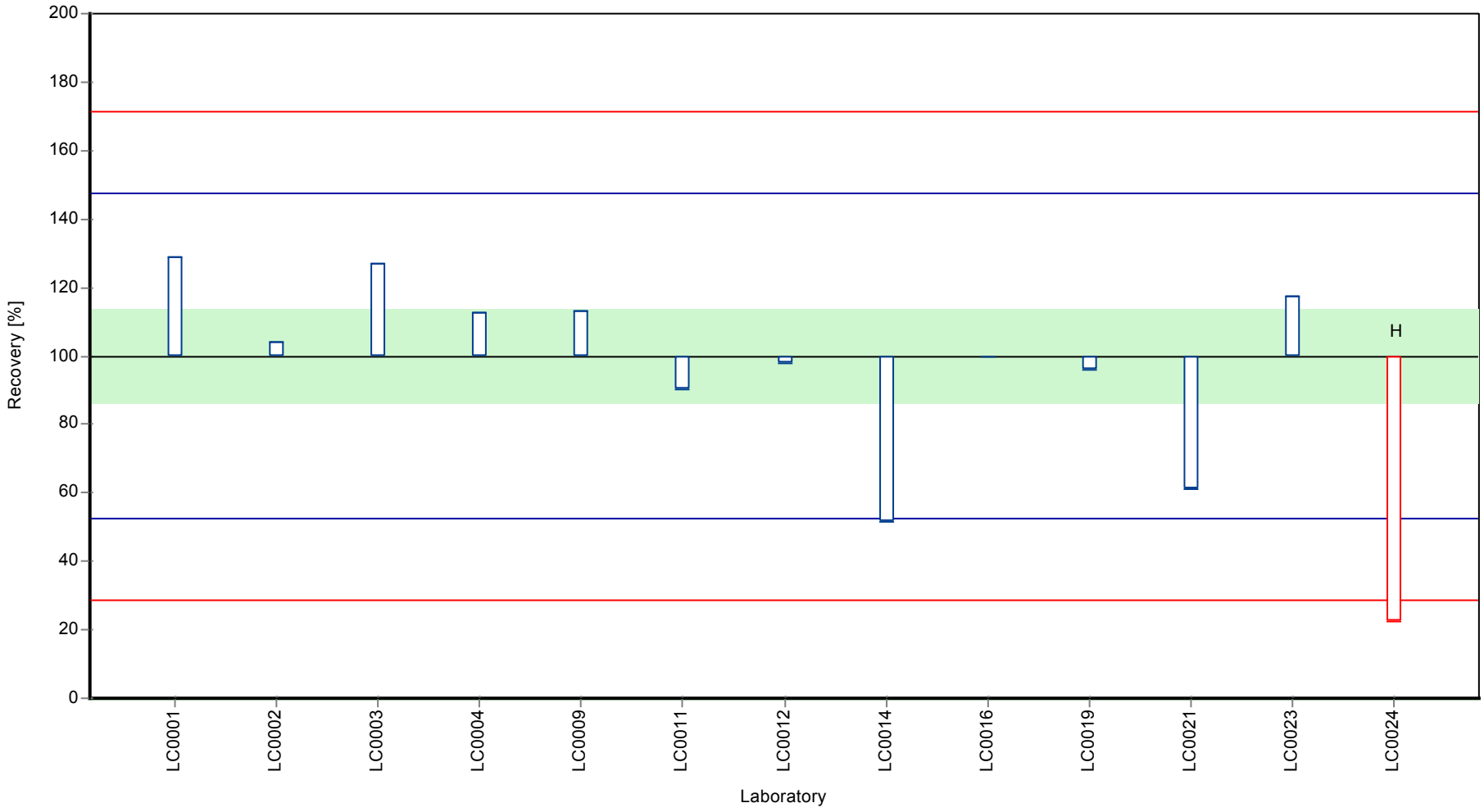
	all results	without outliers	Unit
Mean ± CI (99%)	0.274 ± 0.0761	0.292 ± 0.06	µg/l
Minimum	0.065	0.15	µg/l
Maximum	0.376	0.376	µg/l
Standard deviation	0.0914	0.0693	µg/l
rel. Standard deviation	33.3	23.8	%
n	13	12	-

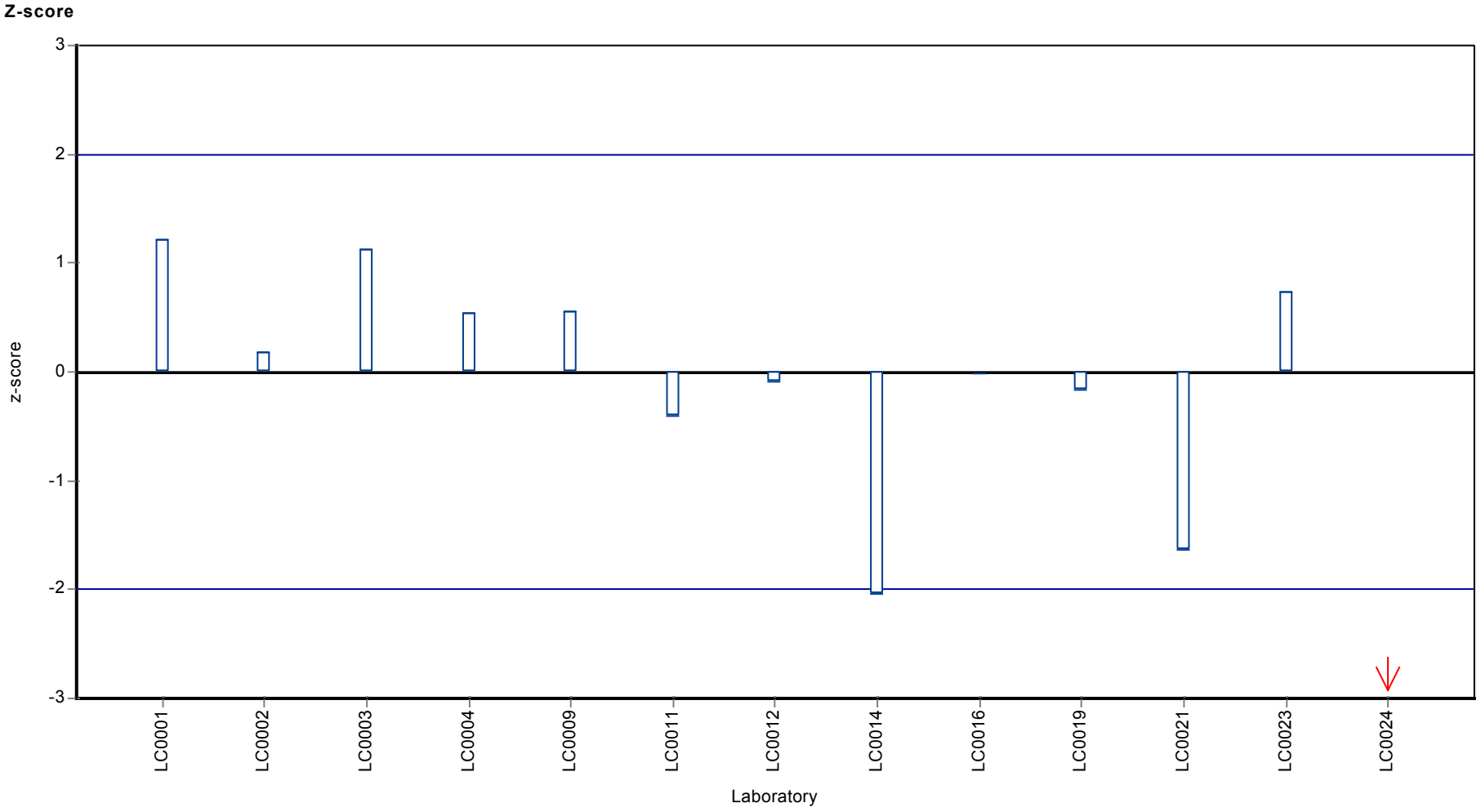
Graphical presentation of results

Results



Recovery rate




Z-score
3
2
1
0
-1
-2
-3
z-score
LC0001
LC0002
LC0003
LC0004
LC0009
LC0011
LC0012
LC0014
LC0016
LC0019
LC0021
LC0023
LC0024
Laboratory

Parameter oriented report

H95 A

Dichlorprop

Unit	µg/l
Mean ± CI (99%)	-
Minimum - Maximum	0.2 - 0.2
Control test value ± U	<0.025 (LOD)

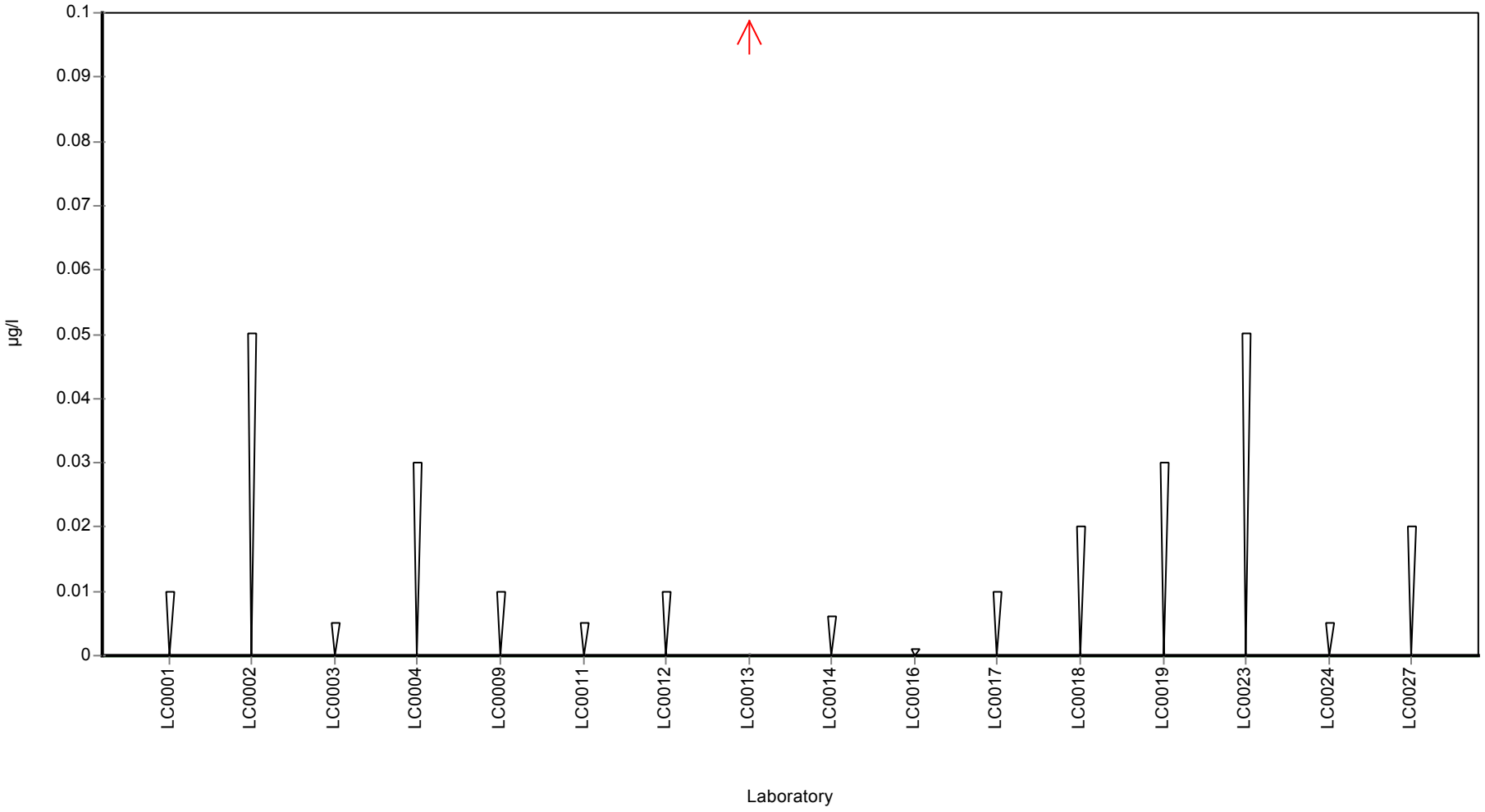
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	< 0.01 (LOQ)	-	-	-	
LC0002	< 0.05 (LOQ)	-	-	-	
LC0003	<0.005 (LOD)	-	-	-	
LC0004	< 0.03 (LOQ)	-	-	-	
LC0005	-	-	-	-	
LC0006	-	-	-	-	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	< 0.01 (LOQ)	-	-	-	
LC0010	-	-	-	-	
LC0011	< 0.005 (LOQ)	-	-	-	
LC0012	< 0.01 (LOQ)	-	-	-	
LC0013	0.2002	0.022	-	-	FP
LC0014	< 0.006 (LOQ)	-	-	-	
LC0015	-	-	-	-	
LC0016	< 0.001 (LOQ)	-	-	-	
LC0017	< 0.01 (LOQ)	-	-	-	
LC0018	< 0.02 (LOQ)	-	-	-	
LC0019	< 0.03 (LOQ)	-	-	-	
LC0020	-	-	-	-	
LC0021	-	-	-	-	
LC0022	-	-	-	-	
LC0023	< 0.05 (LOQ)	-	-	-	
LC0024	< 0.005 (LOQ)	-	-	-	
LC0025	-	-	-	-	
LC0026	-	-	-	-	
LC0027	< 0.02 (LOQ)	-	-	-	

Characteristics of parameter

	all results	without outliers	Unit
Mean ± CI (99%)	0.2	-	µg/l
Minimum	0.2	0.2	µg/l
Maximum	0.2	0.2	µg/l
Standard deviation	-	-	µg/l
rel. Standard deviation	-	-	%
n	1	1	-

Graphical presentation of results

Results



Parameter oriented report

H95 B

Dichlorprop

Unit	µg/l
Mean ± CI (99%)	0.821 ± 0.0943
Minimum - Maximum	0.563 - 1.02
Control test value ± U	0.870 ± 0.0532

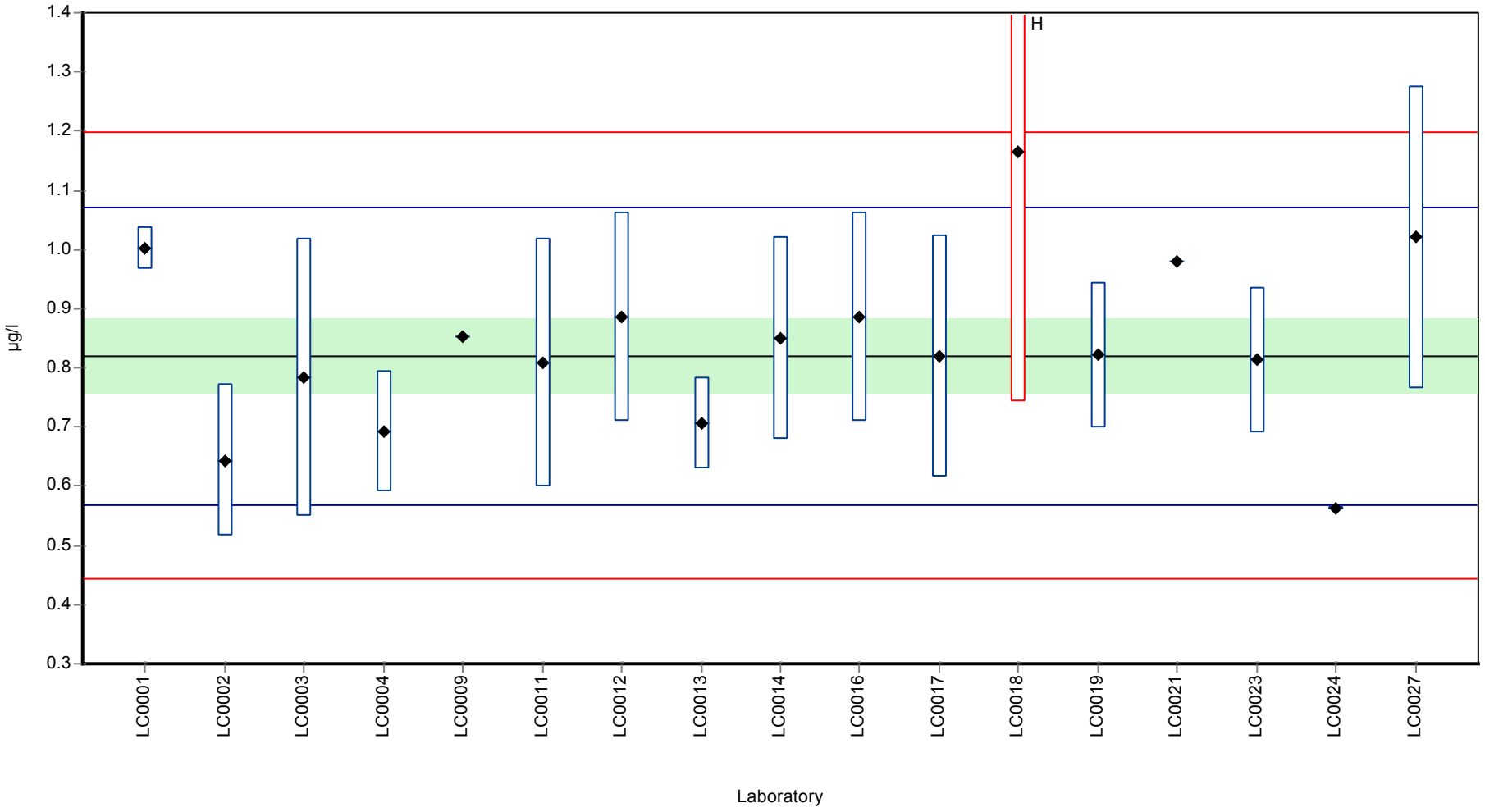
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	1.0023	0.0351	122	1.44	
LC0002	0.644	0.129	78.5	-1.4	
LC0003	0.784	0.235	95.5	-0.29	
LC0004	0.693	0.103	84.4	-1.02	
LC0005	-	-	-	-	
LC0006	-	-	-	-	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	0.852	-	104	0.25	
LC0010	-	-	-	-	
LC0011	0.809	0.21	98.6	-0.09	
LC0012	0.887	0.177	108	0.53	
LC0013	0.7063	0.0777	86.1	-0.91	
LC0014	0.85	0.17	104	0.23	
LC0015	-	-	-	-	
LC0016	0.885	0.177	108	0.51	
LC0017	0.82	0.205	99.9	-0.01	
LC0018	1.1654	0.4219	142	2.74	H
LC0019	0.821	0.123	100	0.00	
LC0020	-	-	-	-	
LC0021	0.981	-	120	1.27	
LC0022	-	-	-	-	
LC0023	0.813	0.122	99.1	-0.06	
LC0024	0.56306	0.0029	68.6	-2.05	
LC0025	-	-	-	-	
LC0026	-	-	-	-	
LC0027	1.02	0.255	124	1.58	

Characteristics of parameter

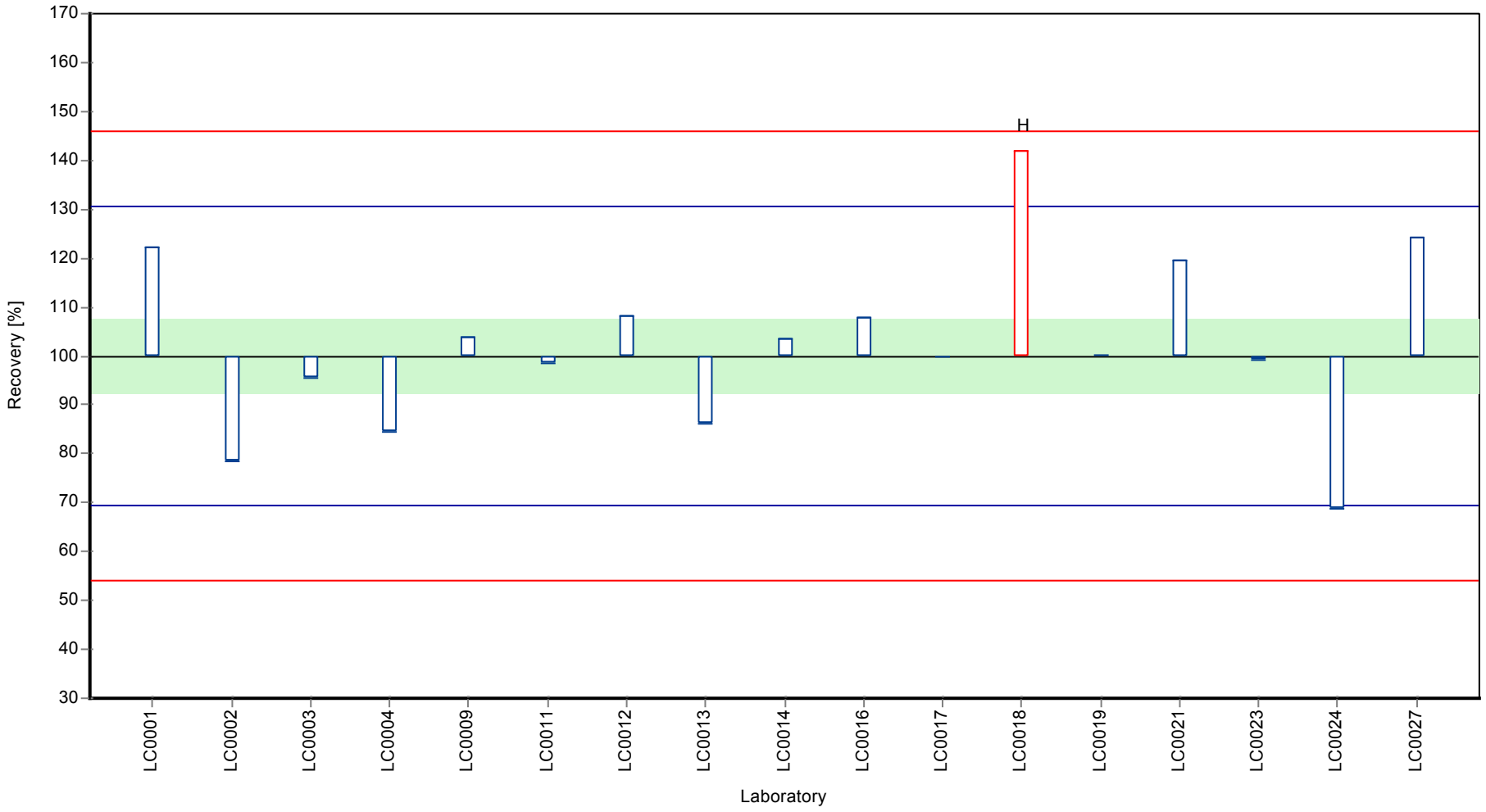
	all results	without outliers	Unit
Mean ± CI (99%)	0.841 ± 0.107	0.821 ± 0.0943	µg/l
Minimum	0.563	0.563	µg/l
Maximum	1.17	1.02	µg/l
Standard deviation	0.148	0.126	µg/l
rel. Standard deviation	17.6	15.3	%
n	17	16	-

Graphical presentation of results

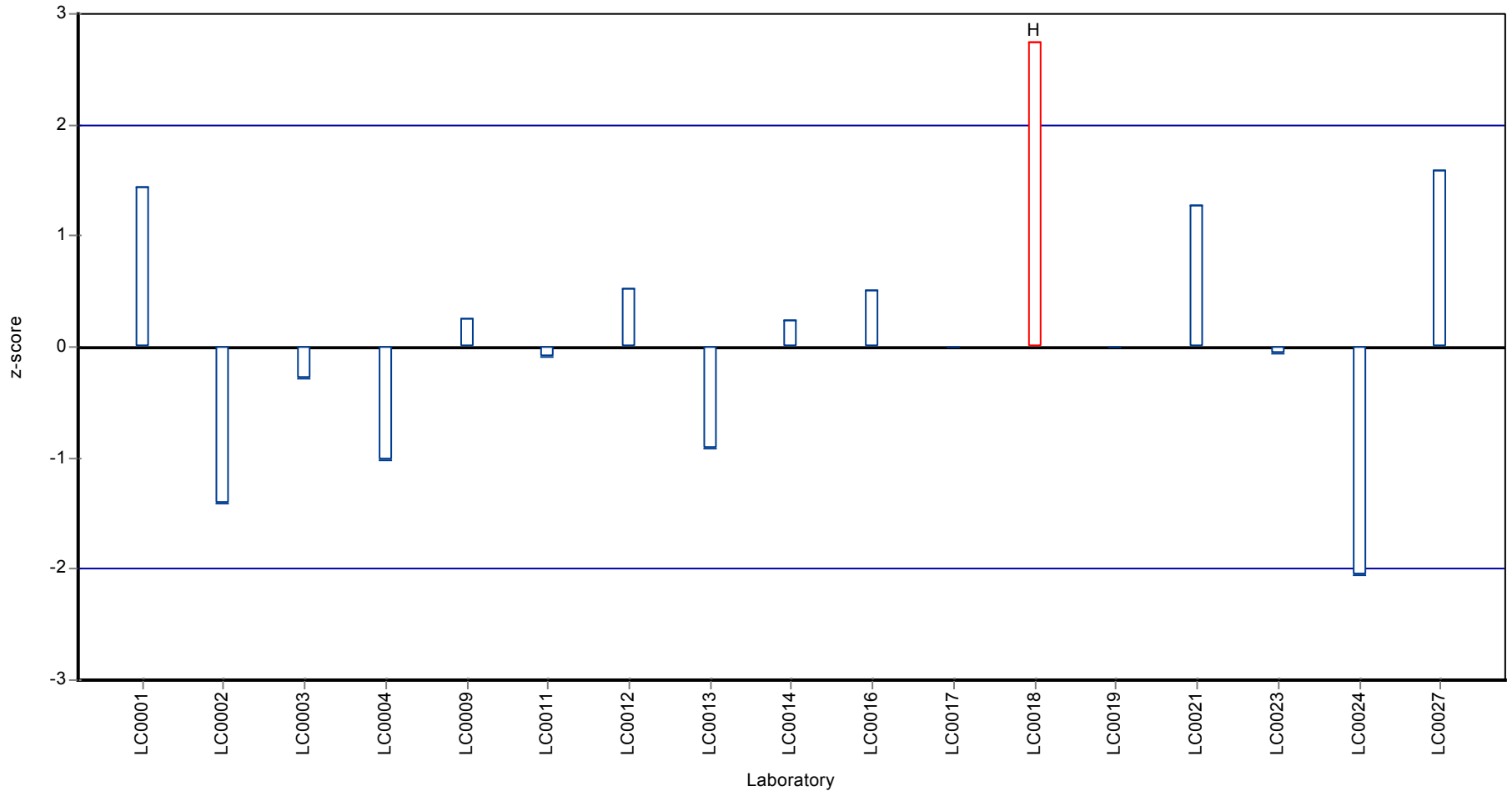
Results



Recovery rate



Z-score


3
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z-score
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LC0001
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LC0003
LC0004
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LC0012
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LC0016
LC0017
LC0018
LC0019
LC0021
LC0023
LC0024
LC0027
Laboratory

Parameter oriented report

H95 A

Glufosinate

Unit	µg/l
Mean ± CI (99%)	0.412 ± 0.0135
Minimum - Maximum	0.392 - 0.424
Control test value ± U	-

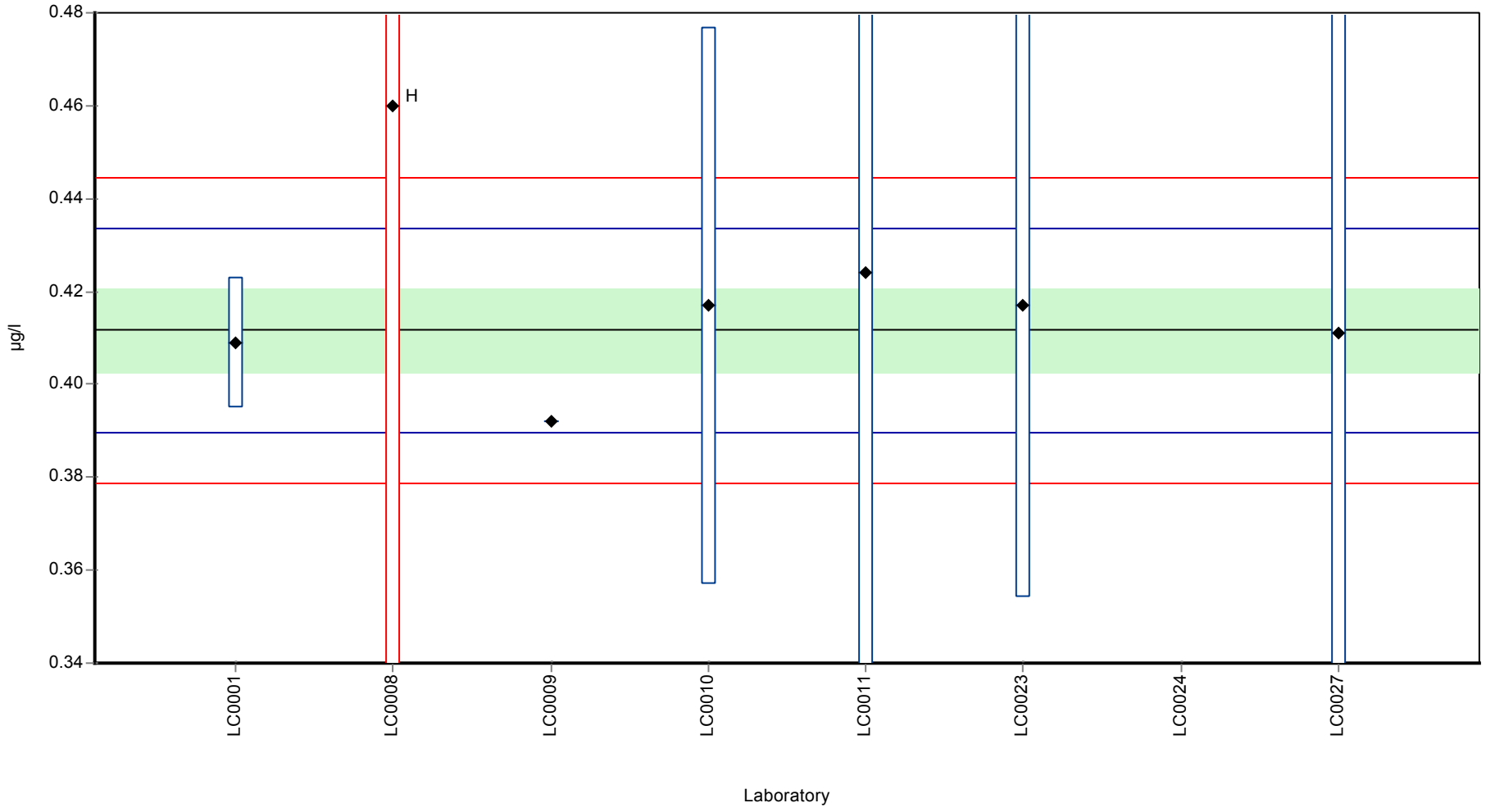
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.409	0.014	99.4	-0.24	
LC0002	-	-	-	-	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	-	-	-	-	
LC0006	-	-	-	-	
LC0007	-	-	-	-	
LC0008	0.46	0.15	112	4.4	H
LC0009	0.392	-	95.2	-1.79	
LC0010	0.417	0.06	101	0.49	
LC0011	0.424	0.085	103	1.12	
LC0012	-	-	-	-	
LC0013	-	-	-	-	
LC0014	-	-	-	-	
LC0015	-	-	-	-	
LC0016	-	-	-	-	
LC0017	-	-	-	-	
LC0018	-	-	-	-	
LC0019	-	-	-	-	
LC0020	-	-	-	-	
LC0021	-	-	-	-	
LC0022	-	-	-	-	
LC0023	0.417	0.063	101	0.49	
LC0024	< 0.005 (LOQ)	-	-	-	
LC0025	-	-	-	-	
LC0026	-	-	-	-	
LC0027	0.411	0.082	99.8	-0.06	

Characteristics of parameter

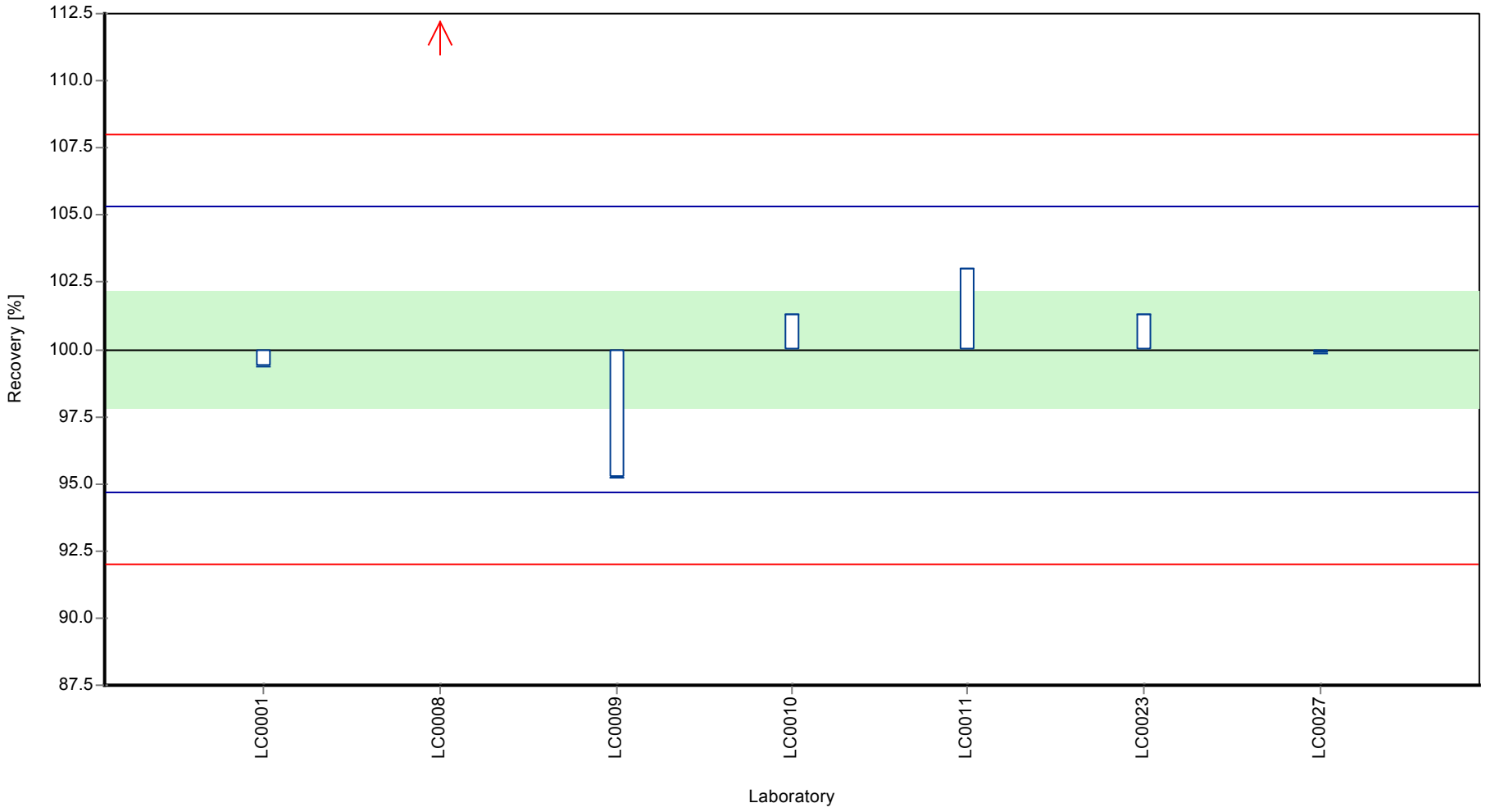
	all results	without outliers	Unit
Mean ± CI (99%)	0.419 ± 0.0236	0.412 ± 0.0135	µg/l
Minimum	0.392	0.392	µg/l
Maximum	0.46	0.424	µg/l
Standard deviation	0.0208	0.011	µg/l
rel. Standard deviation	4.98	2.67	%
n	7	6	-

Graphical presentation of results

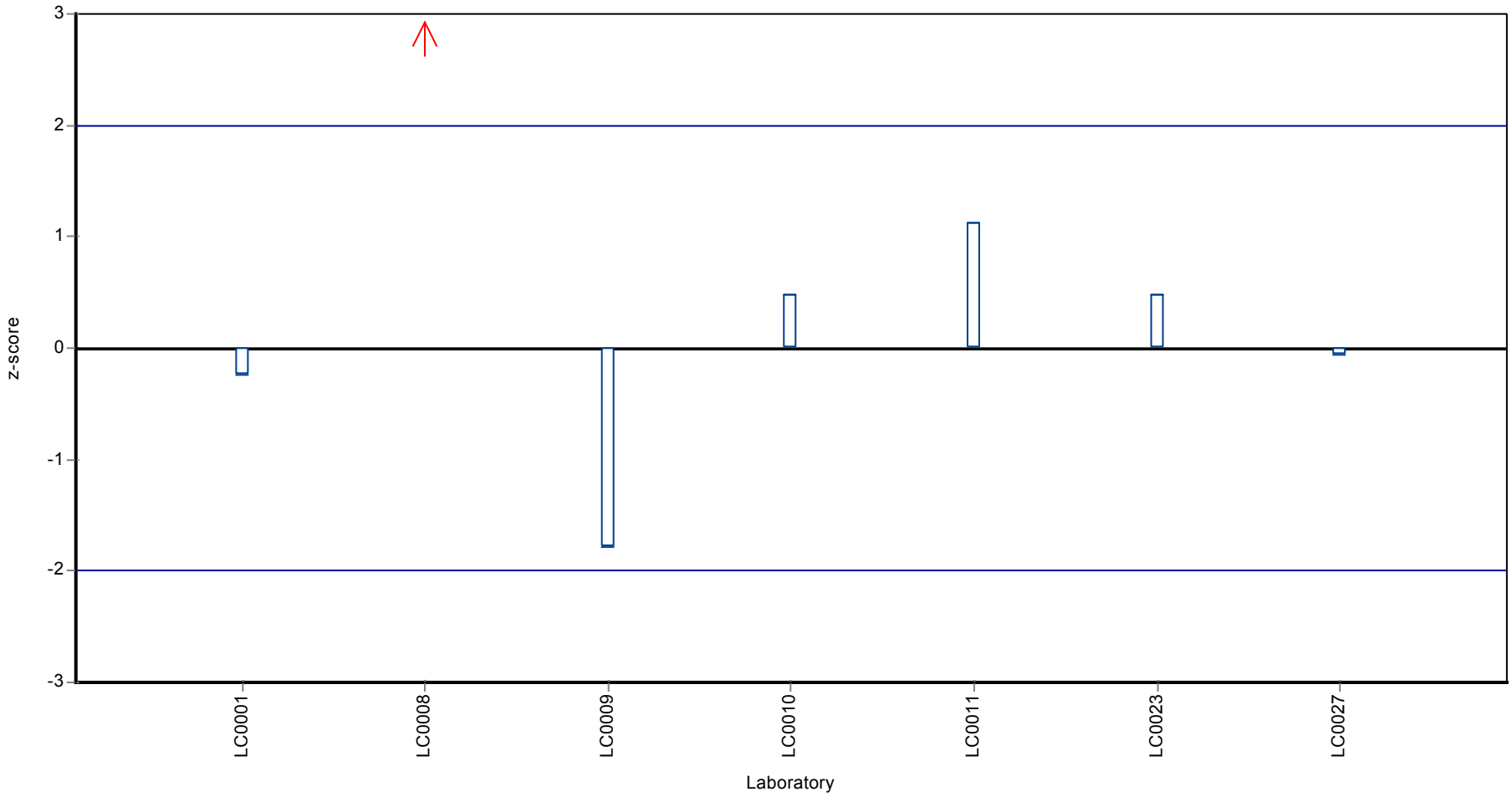
Results



Recovery rate



Z-score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z-score
LC0001
LC0008
LC0009
LC0010
LC0011
LC0023
LC0027
Laboratory

Parameter oriented report

H95 B

Glufosinate

Unit	µg/l
Mean ± CI (99%)	0.349 ± 0.101
Minimum - Maximum	0.23 - 0.512
Control test value ± U	0.336 ± 0.185

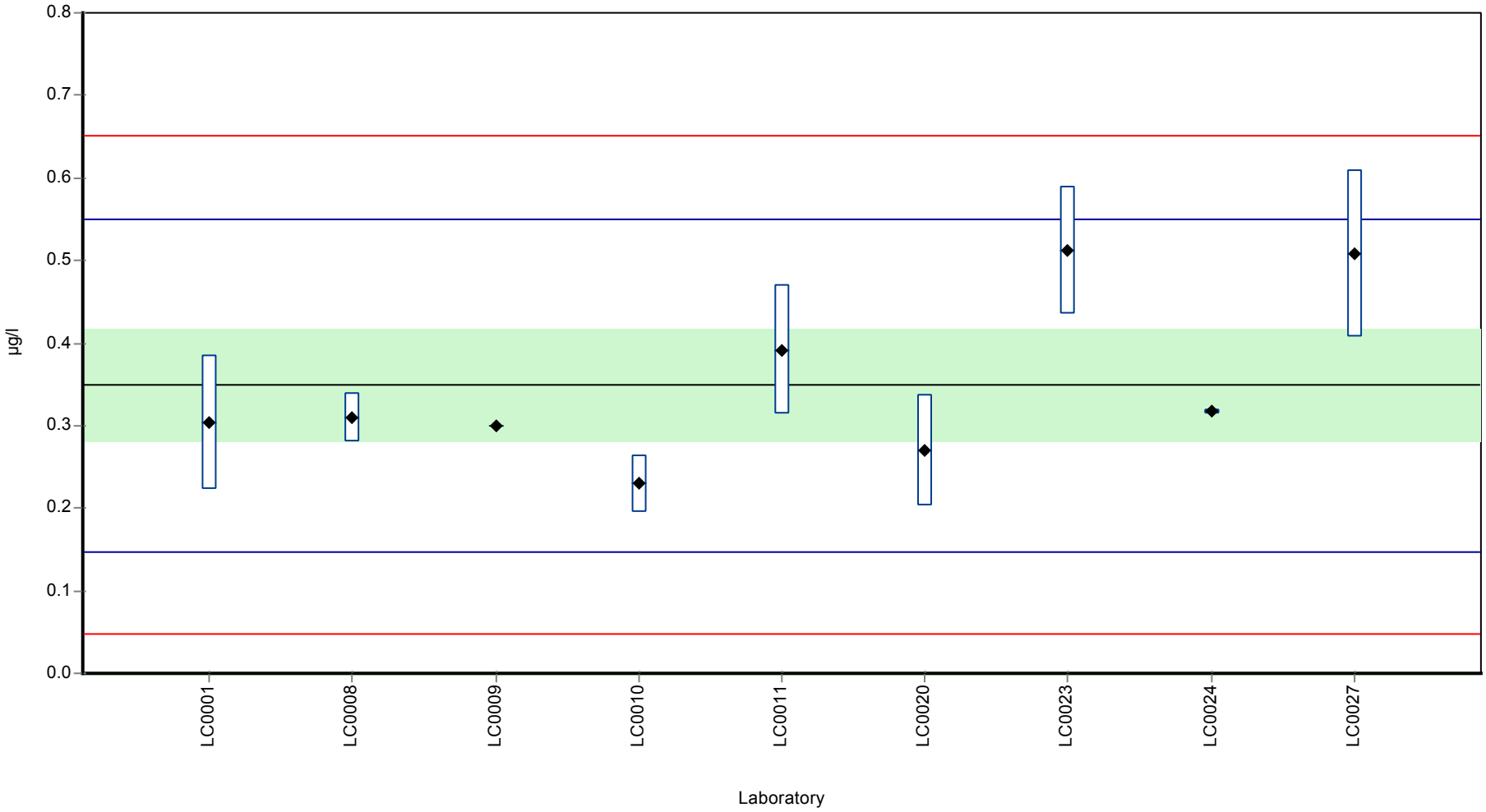
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.304	0.081	87.1	-0.45	
LC0002	-	-	-	-	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	-	-	-	-	
LC0006	-	-	-	-	
LC0007	-	-	-	-	
LC0008	0.31	0.03	88.8	-0.39	
LC0009	0.299	-	85.7	-0.5	
LC0010	0.23	0.035	65.9	-1.18	
LC0011	0.392	0.078	112	0.43	
LC0012	-	-	-	-	
LC0013	-	-	-	-	
LC0014	-	-	-	-	
LC0015	-	-	-	-	
LC0016	-	-	-	-	
LC0017	-	-	-	-	
LC0018	-	-	-	-	
LC0019	-	-	-	-	
LC0020	0.27	0.068	77.3	-0.79	
LC0021	-	-	-	-	
LC0022	-	-	-	-	
LC0023	0.512	0.077	147	1.62	
LC0024	0.31678	0.0035	90.7	-0.32	
LC0025	-	-	-	-	
LC0026	-	-	-	-	
LC0027	0.508	0.102	146	1.58	

Characteristics of parameter

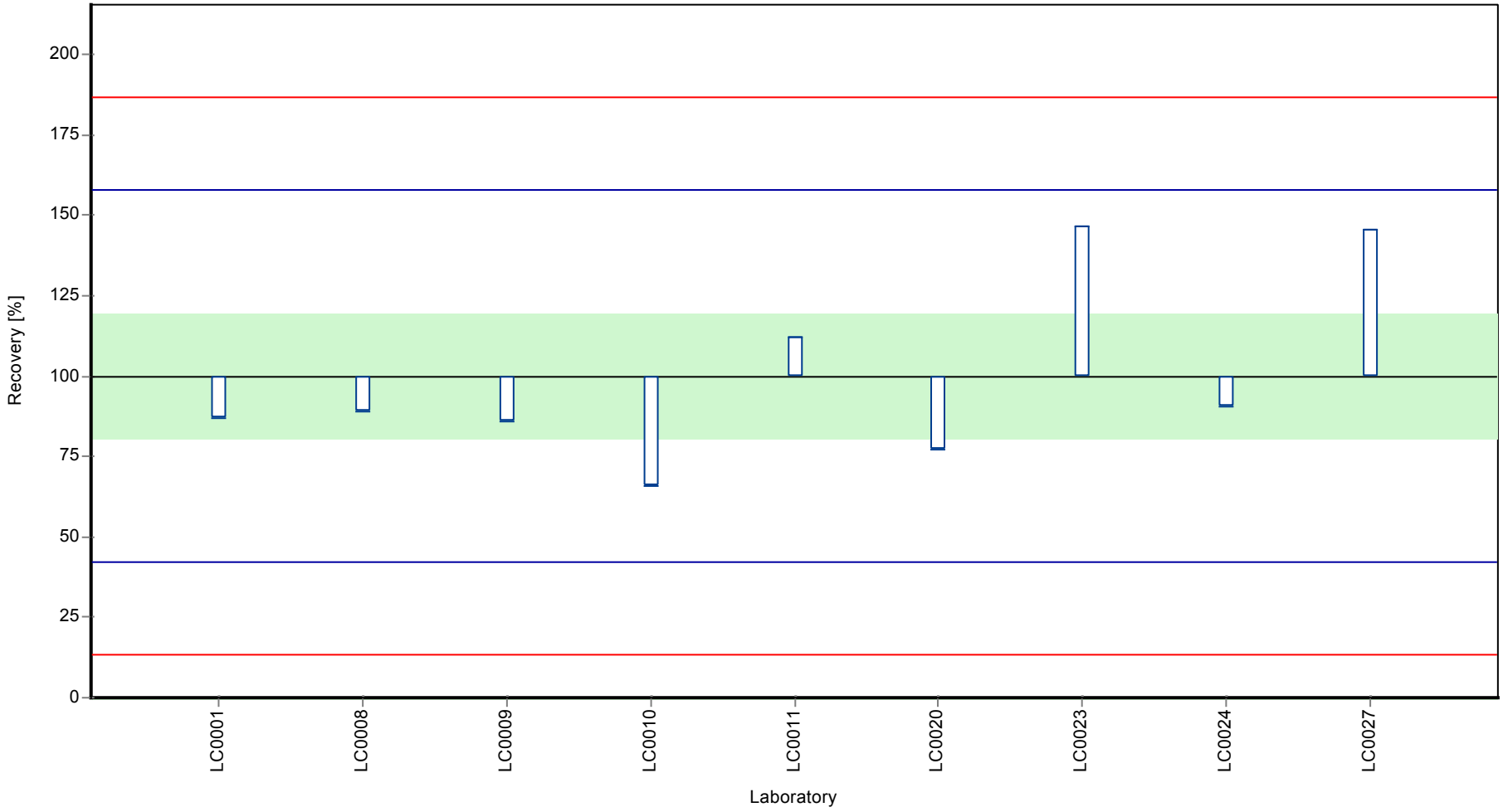
	all results	without outliers	Unit
Mean ± CI (99%)	0.349 ± 0.101	0.349 ± 0.101	µg/l
Minimum	0.23	0.23	µg/l
Maximum	0.512	0.512	µg/l
Standard deviation	0.101	0.101	µg/l
rel. Standard deviation	28.9	28.9	%
n	9	9	-

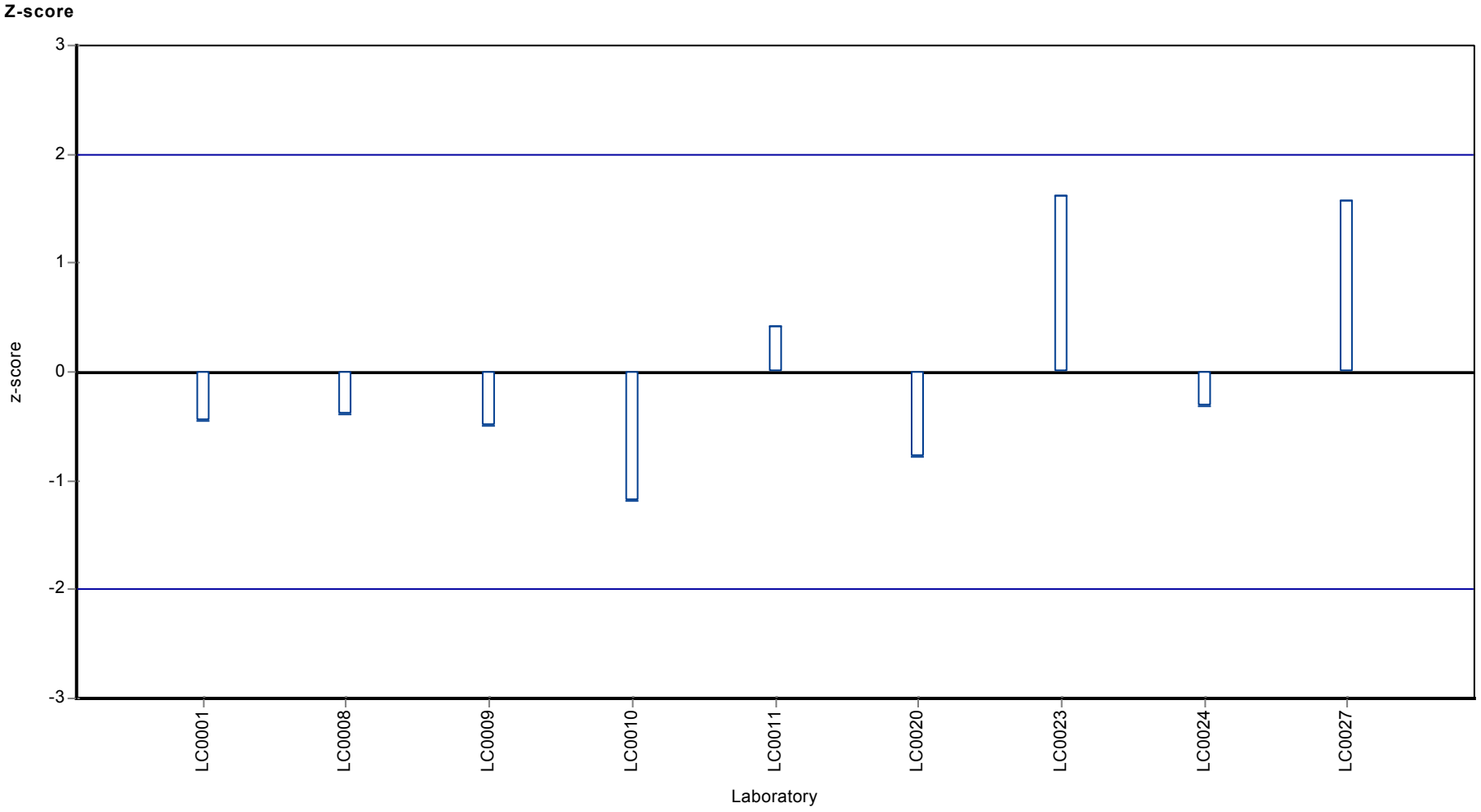
Graphical presentation of results

Results



Recovery rate




Z-score
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z-score
LC0001
LC0008
LC0009
LC0010
LC0011
LC0020
LC0023
LC0024
LC0027
Laboratory

Parameter oriented report

H95 A

Glyphosate

Unit	µg/l
Mean ± CI (99%)	-
Minimum - Maximum	-
Control test value ± U	<0.030 (LOD)

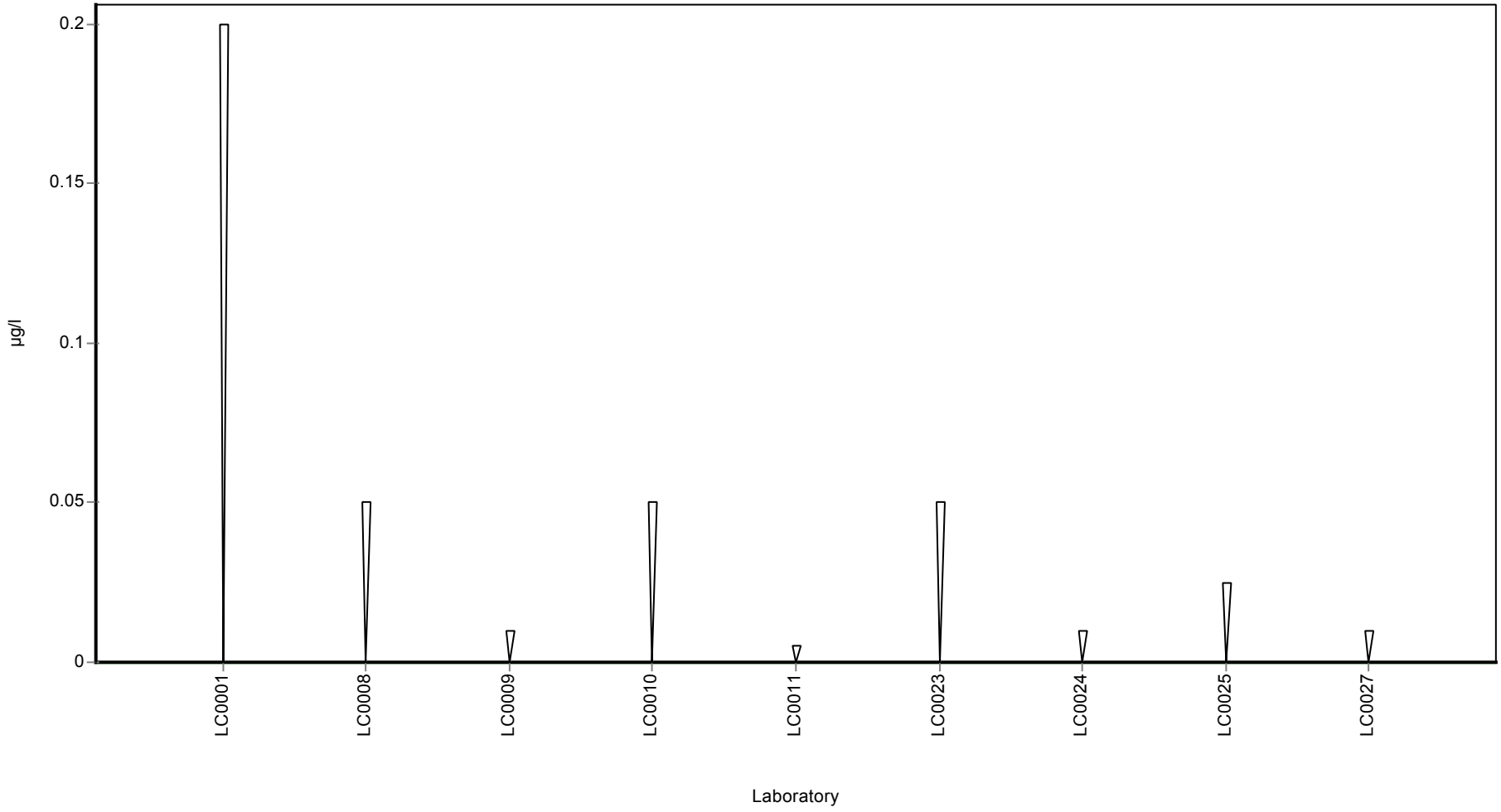
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	< 0.2 (LOQ)	-	-	-	
LC0002	-	-	-	-	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	-	-	-	-	
LC0006	-	-	-	-	
LC0007	-	-	-	-	
LC0008	< 0.05 (LOQ)	-	-	-	
LC0009	< 0.01 (LOQ)	-	-	-	
LC0010	< 0.05 (LOQ)	-	-	-	
LC0011	< 0.005 (LOQ)	-	-	-	
LC0012	-	-	-	-	
LC0013	-	-	-	-	
LC0014	-	-	-	-	
LC0015	-	-	-	-	
LC0016	-	-	-	-	
LC0017	-	-	-	-	
LC0018	-	-	-	-	
LC0019	-	-	-	-	
LC0020	-	-	-	-	
LC0021	-	-	-	-	
LC0022	-	-	-	-	
LC0023	< 0.05 (LOQ)	-	-	-	
LC0024	< 0.01 (LOQ)	-	-	-	
LC0025	< 0.025 (LOQ)	-	-	-	
LC0026	-	-	-	-	
LC0027	< 0.01 (LOQ)	-	-	-	

Characteristics of parameter

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

Graphical presentation of results

Results



Parameter oriented report

H95 B

Glyphosate

Unit	µg/l
Mean ± CI (99%)	0.544 ± 0.177
Minimum - Maximum	0.343 - 0.9
Control test value ± U	0.473 ± 0.173

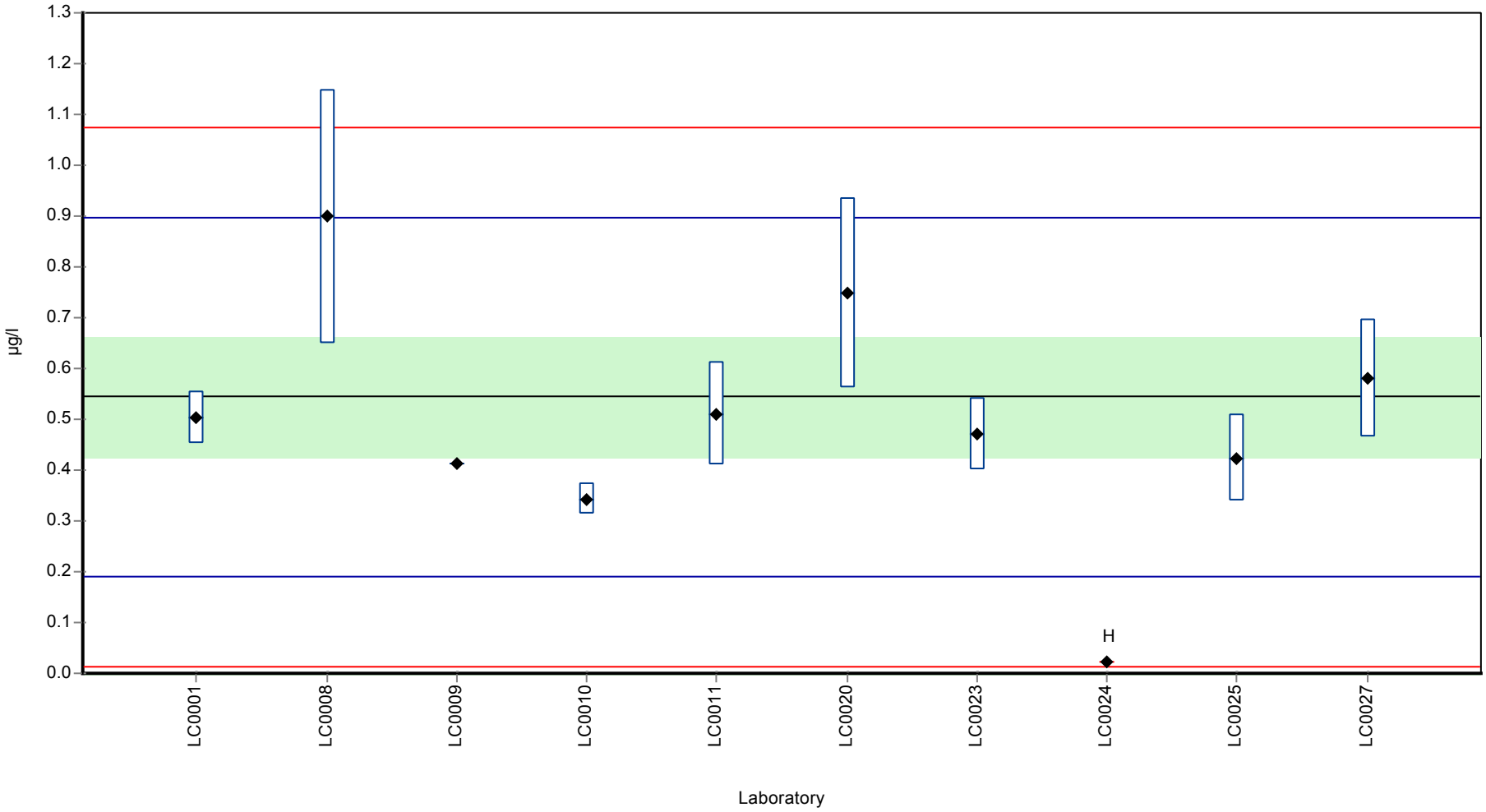
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.503	0.052	92.5	-0.23	
LC0002	-	-	-	-	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	-	-	-	-	
LC0006	-	-	-	-	
LC0007	-	-	-	-	
LC0008	0.9	0.25	166	2.01	
LC0009	0.412	-	75.8	-0.74	
LC0010	0.343	0.03	63.1	-1.13	
LC0011	0.511	0.102	94	-0.18	
LC0012	-	-	-	-	
LC0013	-	-	-	-	
LC0014	-	-	-	-	
LC0015	-	-	-	-	
LC0016	-	-	-	-	
LC0017	-	-	-	-	
LC0018	-	-	-	-	
LC0019	-	-	-	-	
LC0020	0.749	0.187	138	1.16	
LC0021	-	-	-	-	
LC0022	-	-	-	-	
LC0023	0.47	0.071	86.5	-0.42	
LC0024	0.02143	0.0021	3.9	-2.95	H
LC0025	0.4236	0.0847	77.9	-0.68	
LC0026	-	-	-	-	
LC0027	0.581	0.116	107	0.21	

Characteristics of parameter

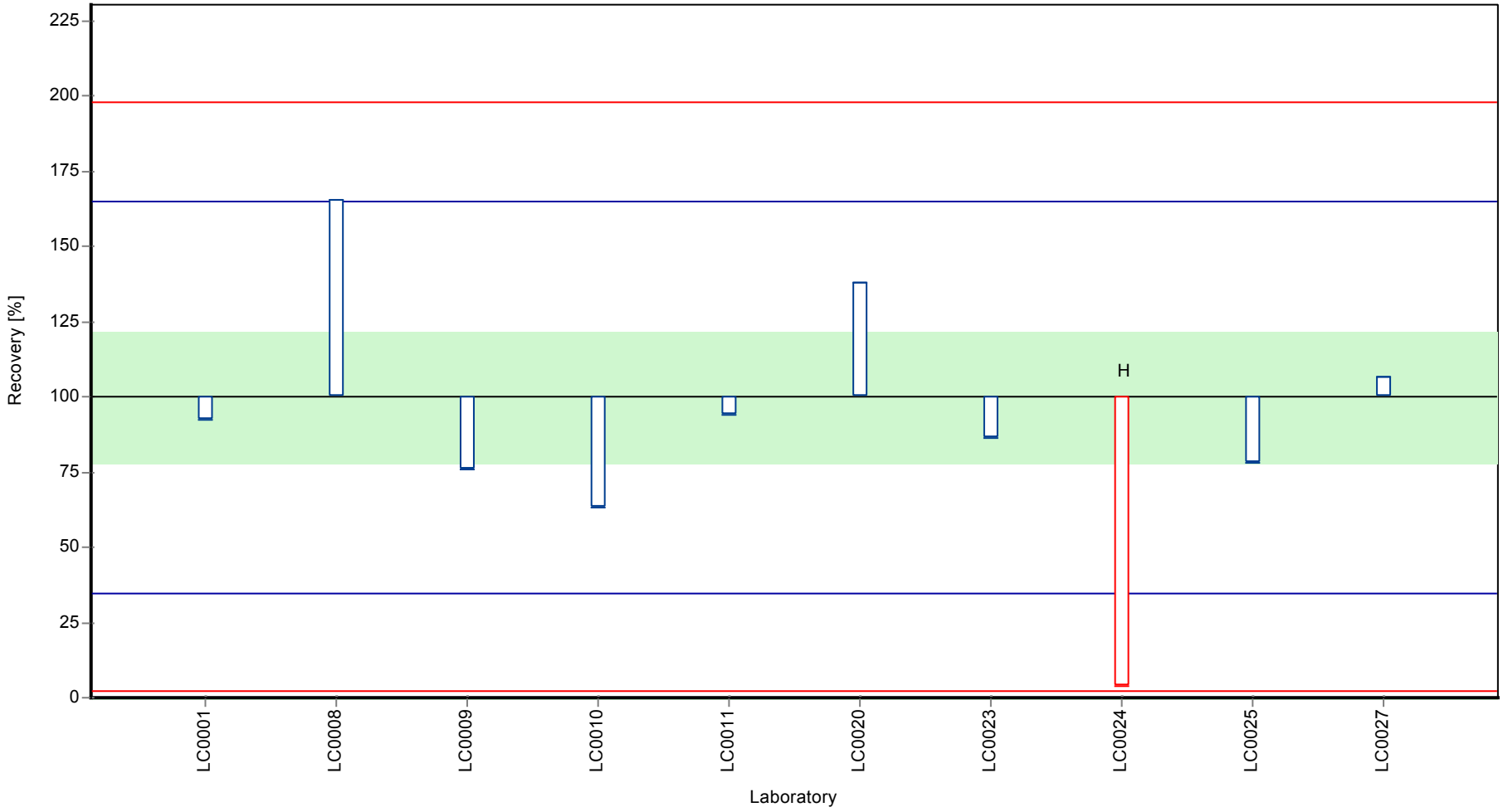
	all results	without outliers	Unit
Mean ± CI (99%)	0.491 ± 0.223	0.544 ± 0.177	µg/l
Minimum	0.0214	0.343	µg/l
Maximum	0.9	0.9	µg/l
Standard deviation	0.235	0.177	µg/l
rel. Standard deviation	47.8	32.6	%
n	10	9	-

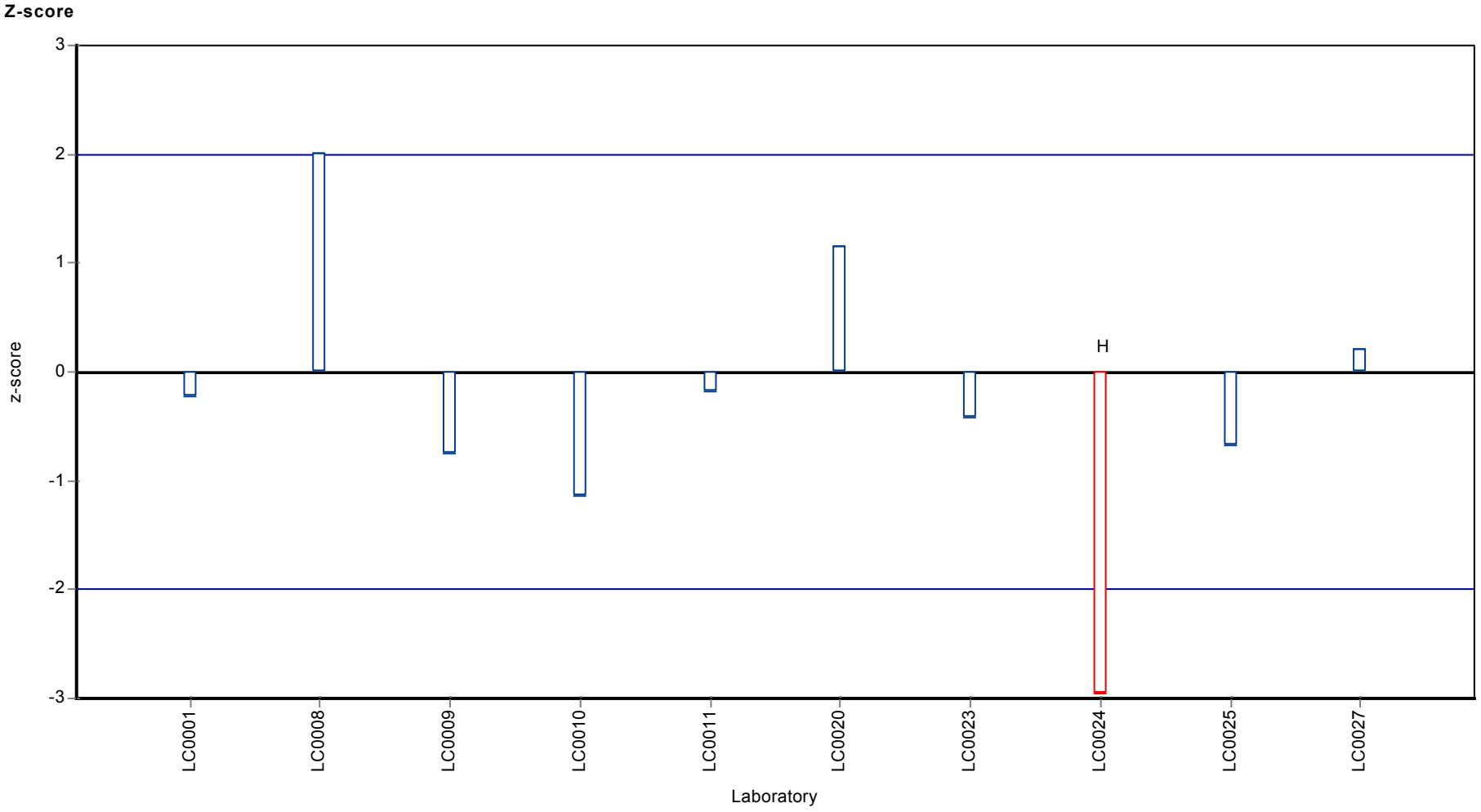
Graphical presentation of results

Results



Recovery rate




Z-score
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-3
z-score
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LC0001
LC0008
LC0009
LC0010
LC0011
LC0020
LC0023
LC0024
LC0025
LC0027
Laboratory

Parameter oriented report

H95 A

Mecoprop

Unit	µg/l
Mean ± CI (99%)	0.237 ± 0.0292
Minimum - Maximum	0.199 - 0.32
Control test value ± U	0.271 ± 0.0224

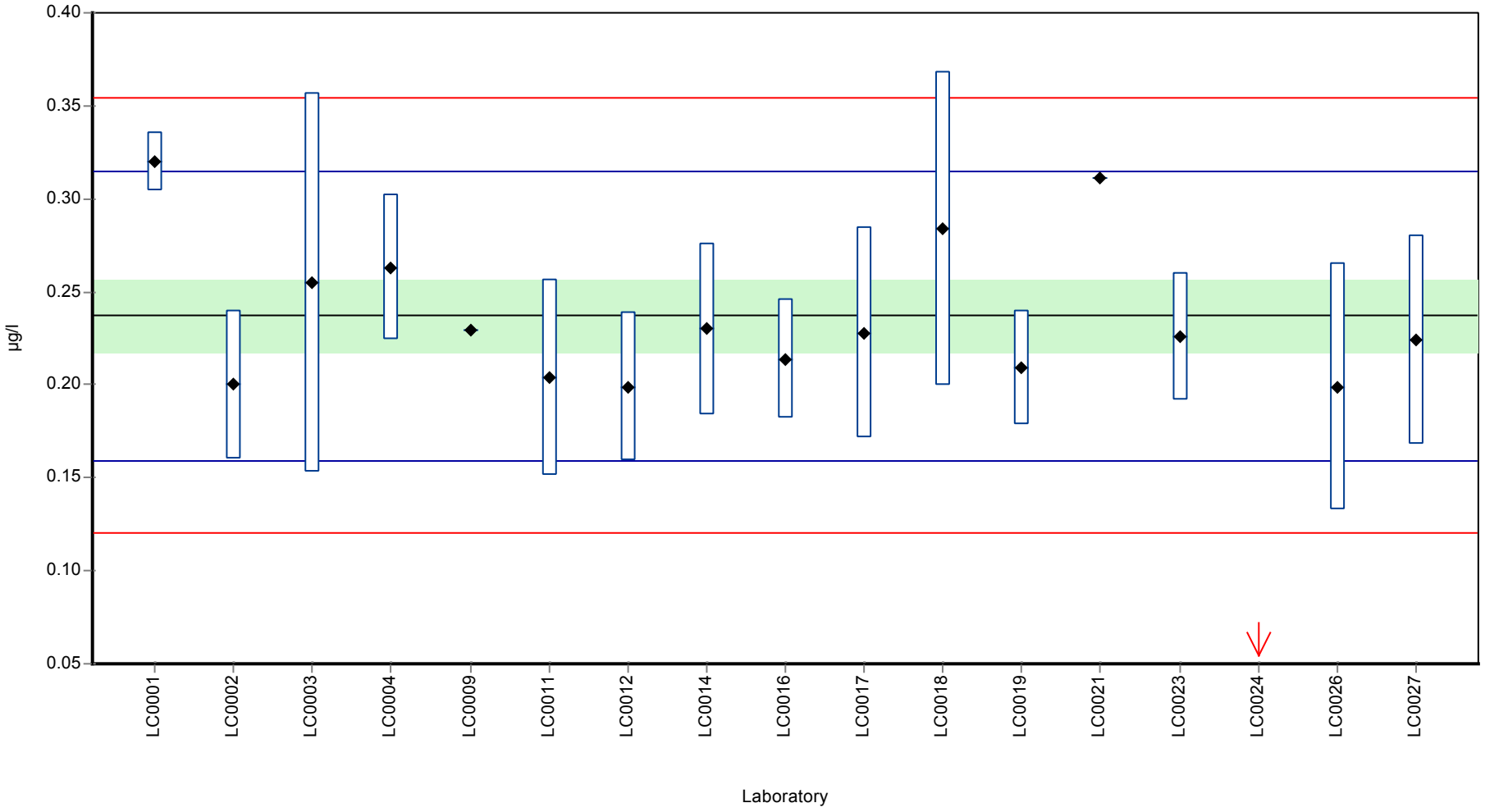
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.3202	0.016	135	2.13	
LC0002	0.2	0.04	84.3	-0.95	
LC0003	0.255	0.102	108	0.46	
LC0004	0.263	0.039	111	0.66	
LC0005	-	-	-	-	
LC0006	-	-	-	-	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	0.229	-	96.5	-0.21	
LC0010	-	-	-	-	
LC0011	0.204	0.053	86	-0.85	
LC0012	0.199	0.04	83.9	-0.98	
LC0013	-	-	-	-	
LC0014	0.23	0.046	97	-0.18	
LC0015	-	-	-	-	
LC0016	0.214	0.032	90.2	-0.6	
LC0017	0.228	0.057	96.1	-0.24	
LC0018	0.284	0.0844	120	1.2	
LC0019	0.209	0.031	88.1	-0.72	
LC0020	-	-	-	-	
LC0021	0.311	-	131	1.9	
LC0022	-	-	-	-	
LC0023	0.226	0.034	95.3	-0.29	
LC0024	0.05971	0.0012	25.2	-4.56	H
LC0025	-	-	-	-	
LC0026	0.199	0.0665	83.9	-0.98	
LC0027	0.224	0.056	94.4	-0.34	

Characteristics of parameter

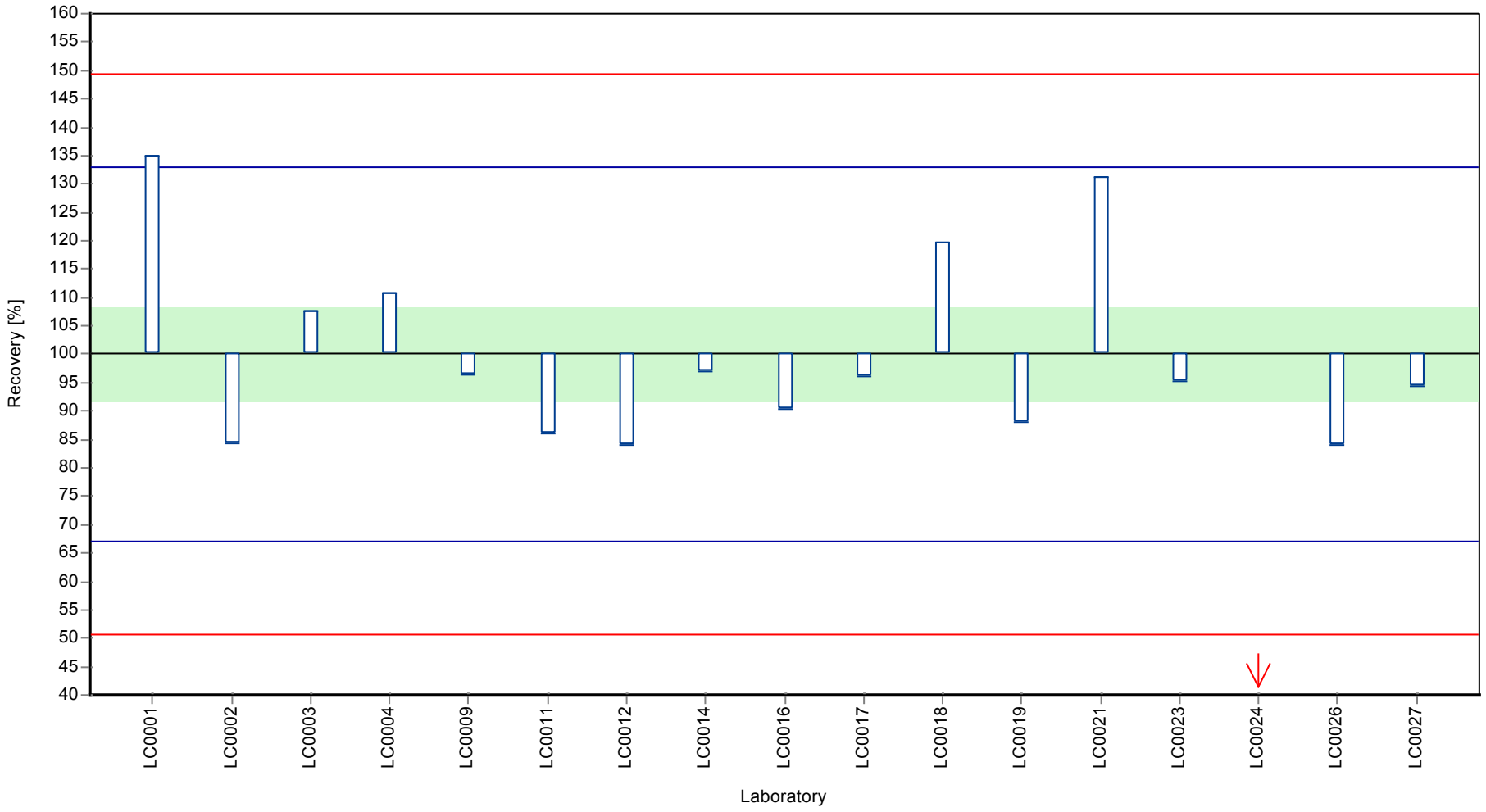
	all results	without outliers	Unit
Mean ± CI (99%)	0.227 ± 0.0416	0.237 ± 0.0292	µg/l
Minimum	0.0597	0.199	µg/l
Maximum	0.32	0.32	µg/l
Standard deviation	0.0572	0.0389	µg/l
rel. Standard deviation	25.2	16.4	%
n	17	16	-

Graphical presentation of results

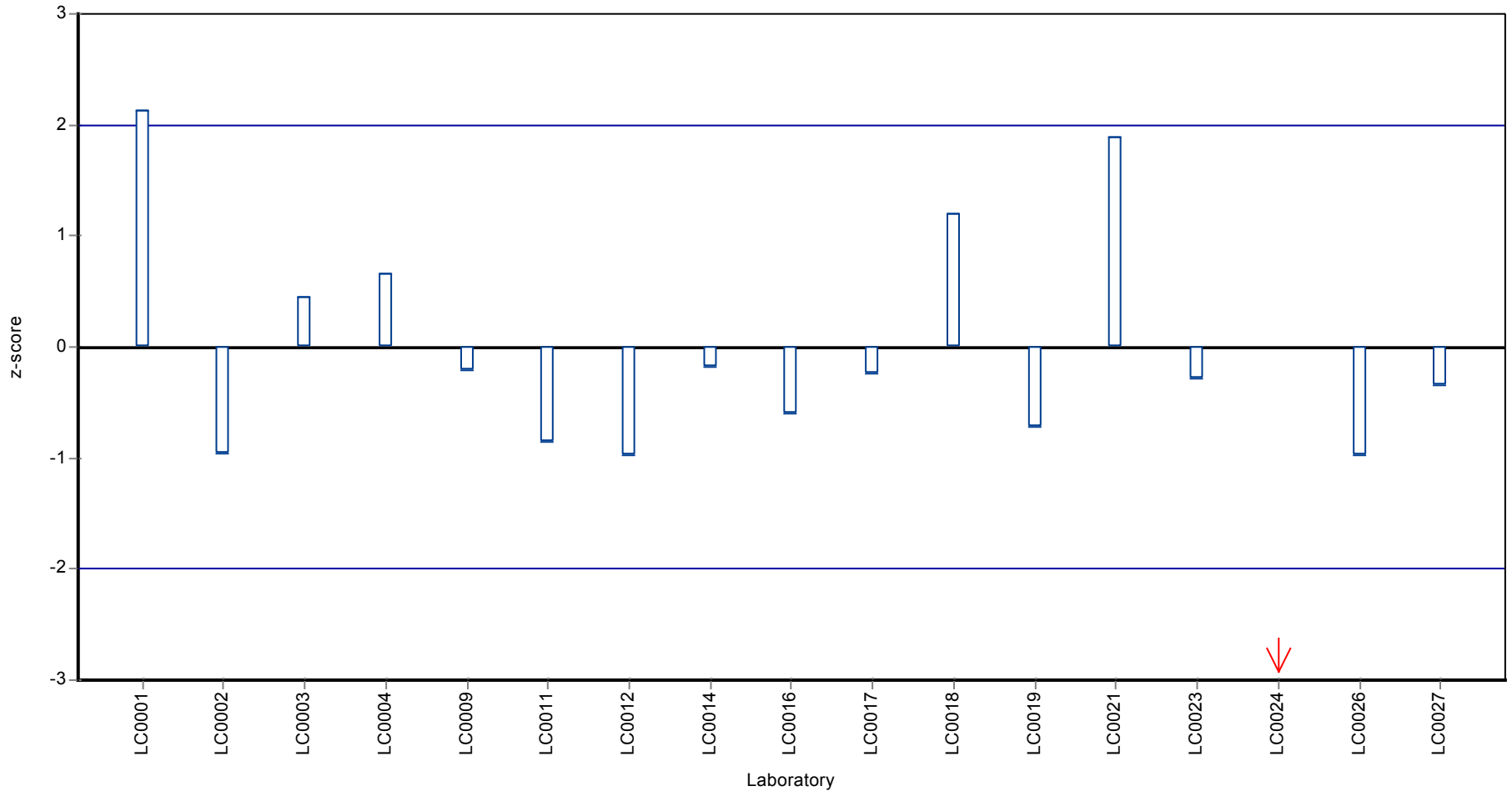
Results



Recovery rate



Z-score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z-score
LC0001
LC0002
LC0003
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LC0011
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LC0016
LC0017
LC0018
LC0019
LC0021
LC0023
LC0024
LC0026
LC0027
Laboratory

Parameter oriented report

H95 B

Mecoprop

Unit	µg/l
Mean ± CI (99%)	0.391 ± 0.0319
Minimum - Maximum	0.317 - 0.486
Control test value ± U	0.440 ± 0.0312

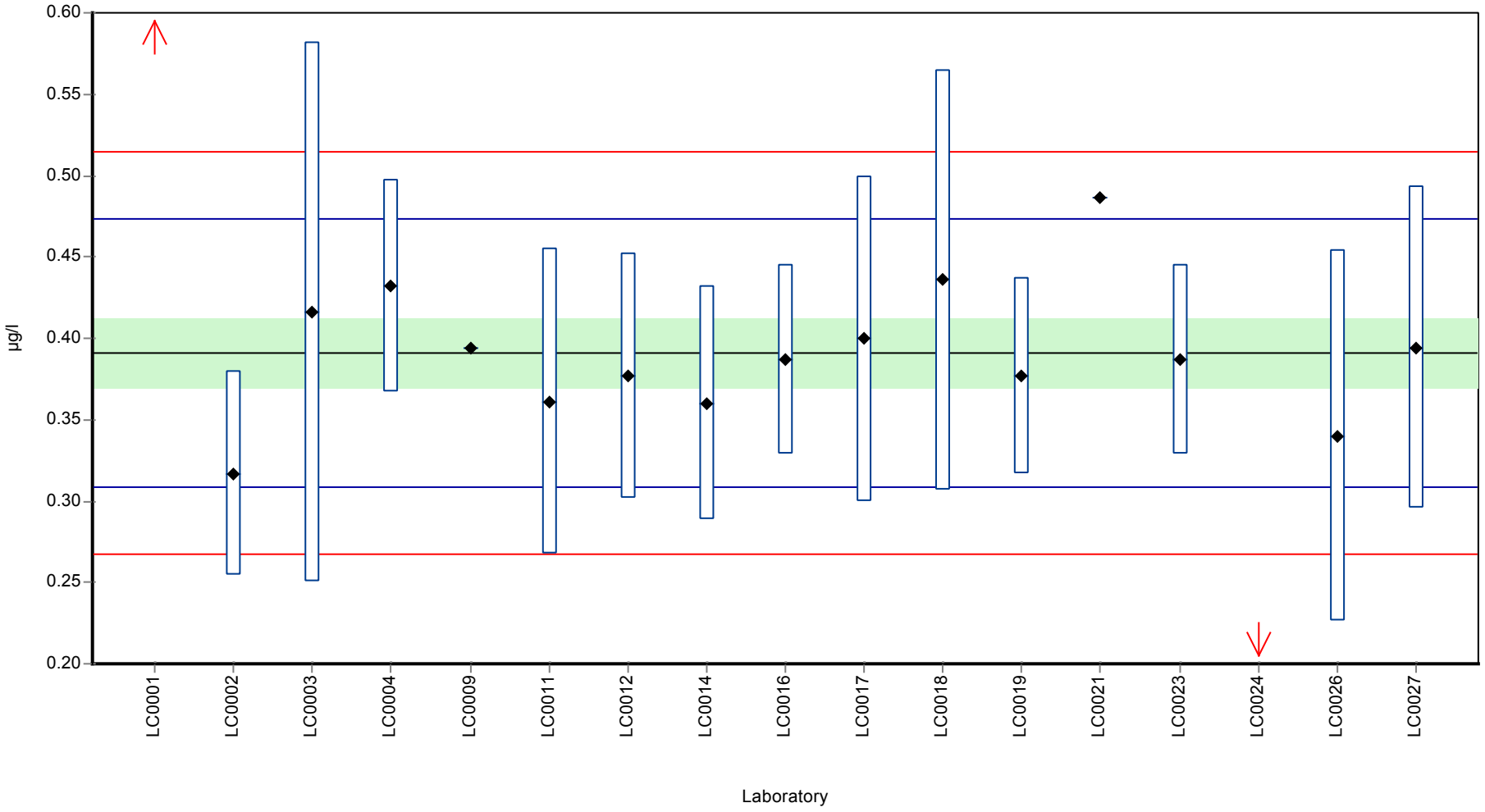
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.5937	0.026	152	4.92	H
LC0002	0.317	0.063	81.1	-1.79	
LC0003	0.416	0.166	106	0.61	
LC0004	0.432	0.065	111	1	
LC0005	-	-	-	-	
LC0006	-	-	-	-	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	0.394	-	101	0.07	
LC0010	-	-	-	-	
LC0011	0.361	0.094	92.3	-0.73	
LC0012	0.377	0.075	96.4	-0.34	
LC0013	-	-	-	-	
LC0014	0.36	0.072	92.1	-0.75	
LC0015	-	-	-	-	
LC0016	0.387	0.058	99	-0.09	
LC0017	0.4	0.1	102	0.22	
LC0018	0.4357	0.1295	111	1.09	
LC0019	0.377	0.06	96.4	-0.34	
LC0020	-	-	-	-	
LC0021	0.486	-	124	2.31	
LC0022	-	-	-	-	
LC0023	0.387	0.058	99	-0.09	
LC0024	0.11835	0.0019	30.3	-6.61	H
LC0025	-	-	-	-	
LC0026	0.34	0.114	87	-1.24	
LC0027	0.394	0.099	101	0.07	

Characteristics of parameter

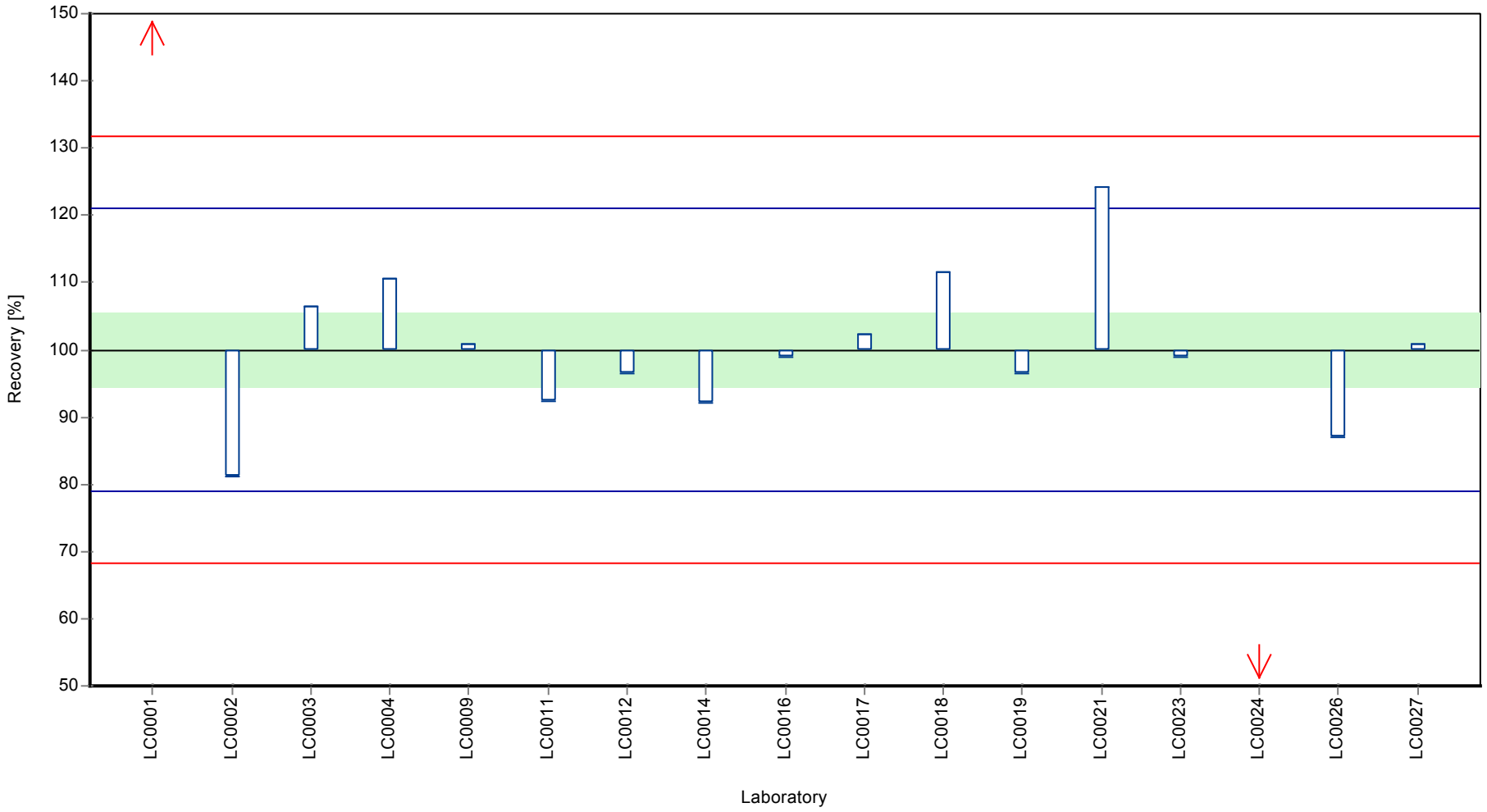
	all results	without outliers	Unit
Mean ± CI (99%)	0.387 ± 0.0678	0.391 ± 0.0319	µg/l
Minimum	0.118	0.317	µg/l
Maximum	0.594	0.486	µg/l
Standard deviation	0.0932	0.0412	µg/l
rel. Standard deviation	24.1	10.5	%
n	17	15	-

Graphical presentation of results

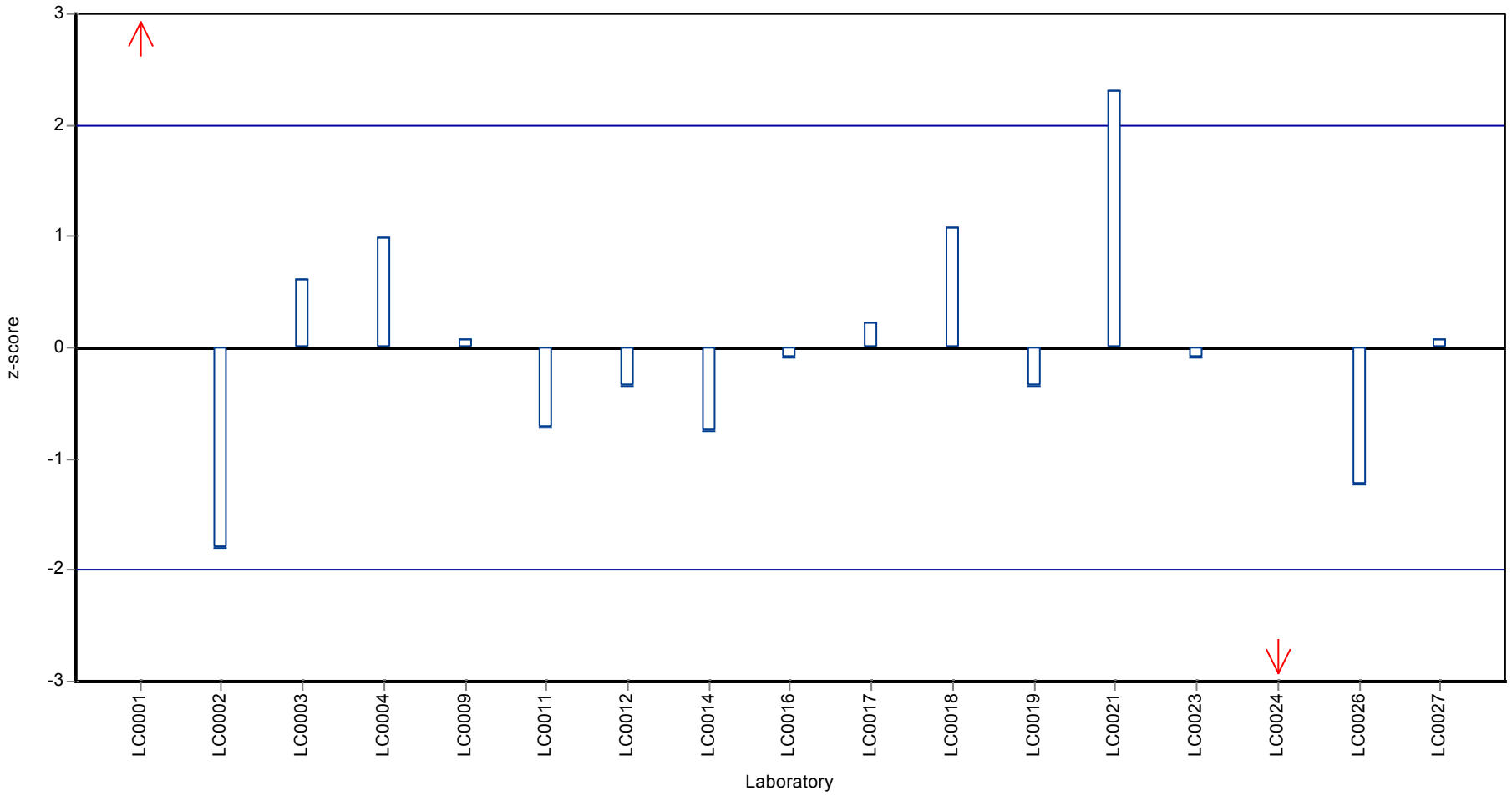
Results



Recovery rate



Z-score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z-score
LC0001
LC0002
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LC0009
LC0011
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LC0016
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LC0019
LC0021
LC0023
LC0024
LC0026
LC0027
Laboratory

Parameter oriented report

H95 A

Metazachlor

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

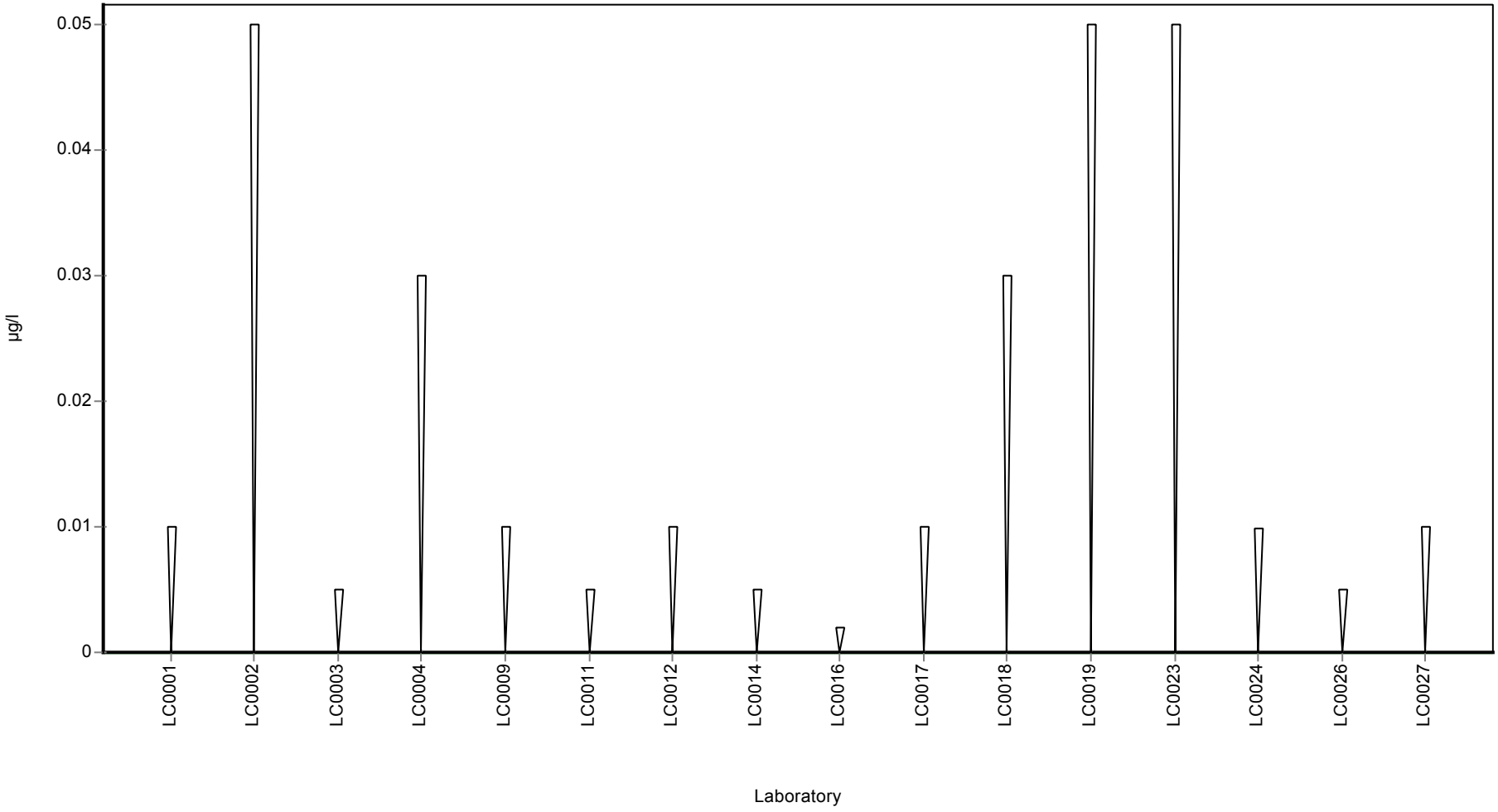
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	< 0.01 (LOQ)	-	-	-	
LC0002	< 0.05 (LOQ)	-	-	-	
LC0003	<0.005 (LOD)	-	-	-	
LC0004	< 0.03 (LOQ)	-	-	-	
LC0005	-	-	-	-	
LC0006	-	-	-	-	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	< 0.01 (LOQ)	-	-	-	
LC0010	-	-	-	-	
LC0011	< 0.005 (LOQ)	-	-	-	
LC0012	< 0.01 (LOQ)	-	-	-	
LC0013	-	-	-	-	
LC0014	< 0.005 (LOQ)	-	-	-	
LC0015	-	-	-	-	
LC0016	< 0.002 (LOQ)	-	-	-	
LC0017	< 0.01 (LOQ)	-	-	-	
LC0018	< 0.03 (LOQ)	-	-	-	
LC0019	< 0.05 (LOQ)	-	-	-	
LC0020	-	-	-	-	
LC0021	-	-	-	-	
LC0022	-	-	-	-	
LC0023	< 0.05 (LOQ)	-	-	-	
LC0024	< 0.00983 (LOQ)	-	-	-	
LC0025	-	-	-	-	
LC0026	< 0.005 (LOQ)	-	-	-	
LC0027	< 0.01 (LOQ)	-	-	-	

Characteristics of parameter

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

Graphical presentation of results

Results



Parameter oriented report

H95 B

Metazachlor

Unit	µg/l
Mean ± CI (99%)	0.65 ± 0.0424
Minimum - Maximum	0.576 - 0.765
Control test value ± U	0.605 ± 0.0658

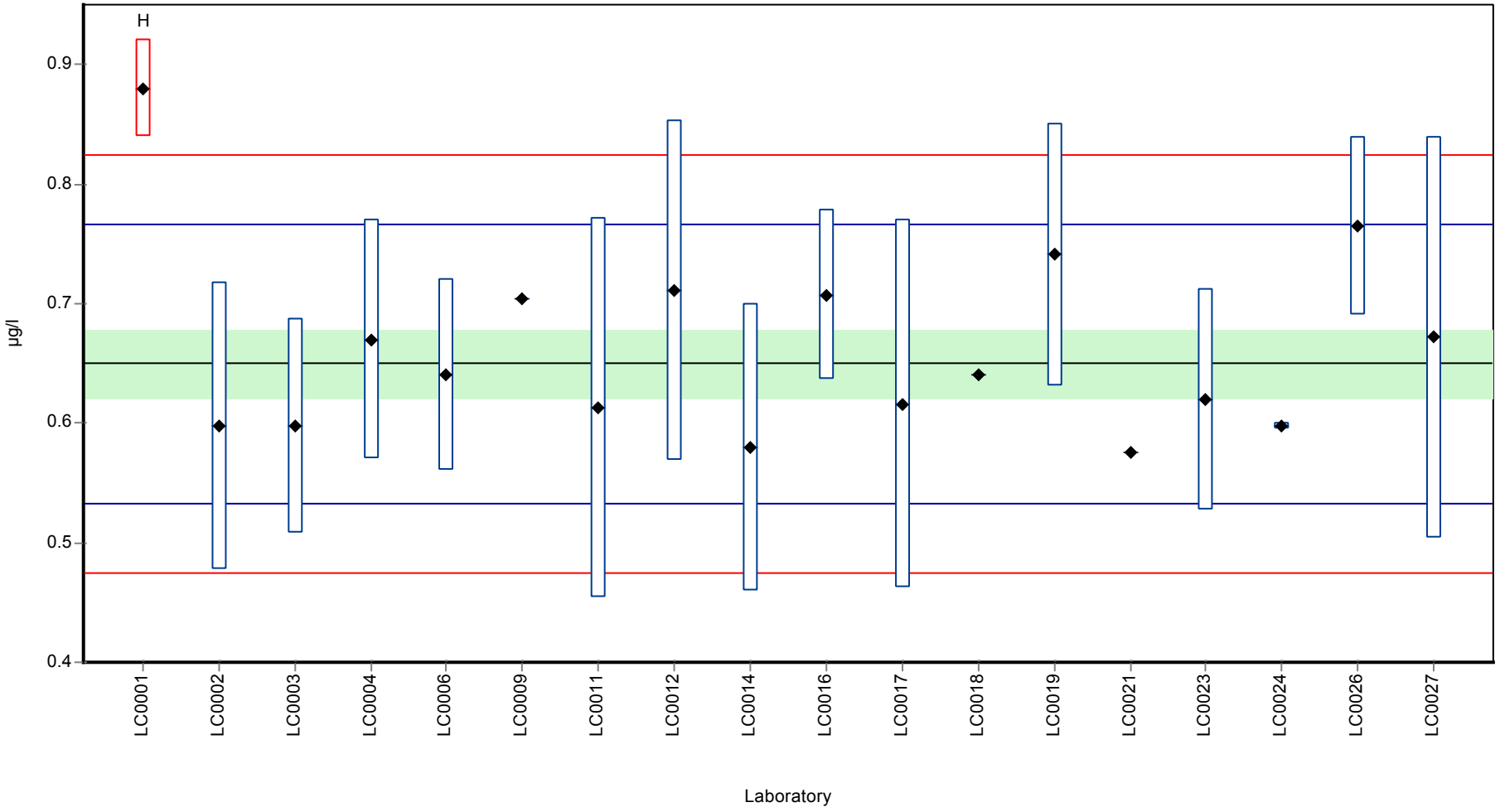
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.8801	0.0406	135	3.95	H
LC0002	0.598	0.12	92	-0.89	
LC0003	0.598	0.09	92	-0.89	
LC0004	0.67	0.1	103	0.34	
LC0005	-	-	-	-	
LC0006	0.64	0.08	98.5	-0.17	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	0.704	-	108	0.93	
LC0010	-	-	-	-	
LC0011	0.613	0.159	94.3	-0.63	
LC0012	0.711	0.142	109	1.05	
LC0013	-	-	-	-	
LC0014	0.58	0.12	89.2	-1.2	
LC0015	-	-	-	-	
LC0016	0.707	0.071	109	0.98	
LC0017	0.616	0.154	94.8	-0.58	
LC0018	0.6405	-	98.5	-0.16	
LC0019	0.741	0.11	114	1.56	
LC0020	-	-	-	-	
LC0021	0.576	-	88.6	-1.27	
LC0022	-	-	-	-	
LC0023	0.62	0.093	95.4	-0.51	
LC0024	0.59768	0.0031	92	-0.9	
LC0025	-	-	-	-	
LC0026	0.765	0.075	118	1.97	
LC0027	0.672	0.168	103	0.38	

Characteristics of parameter

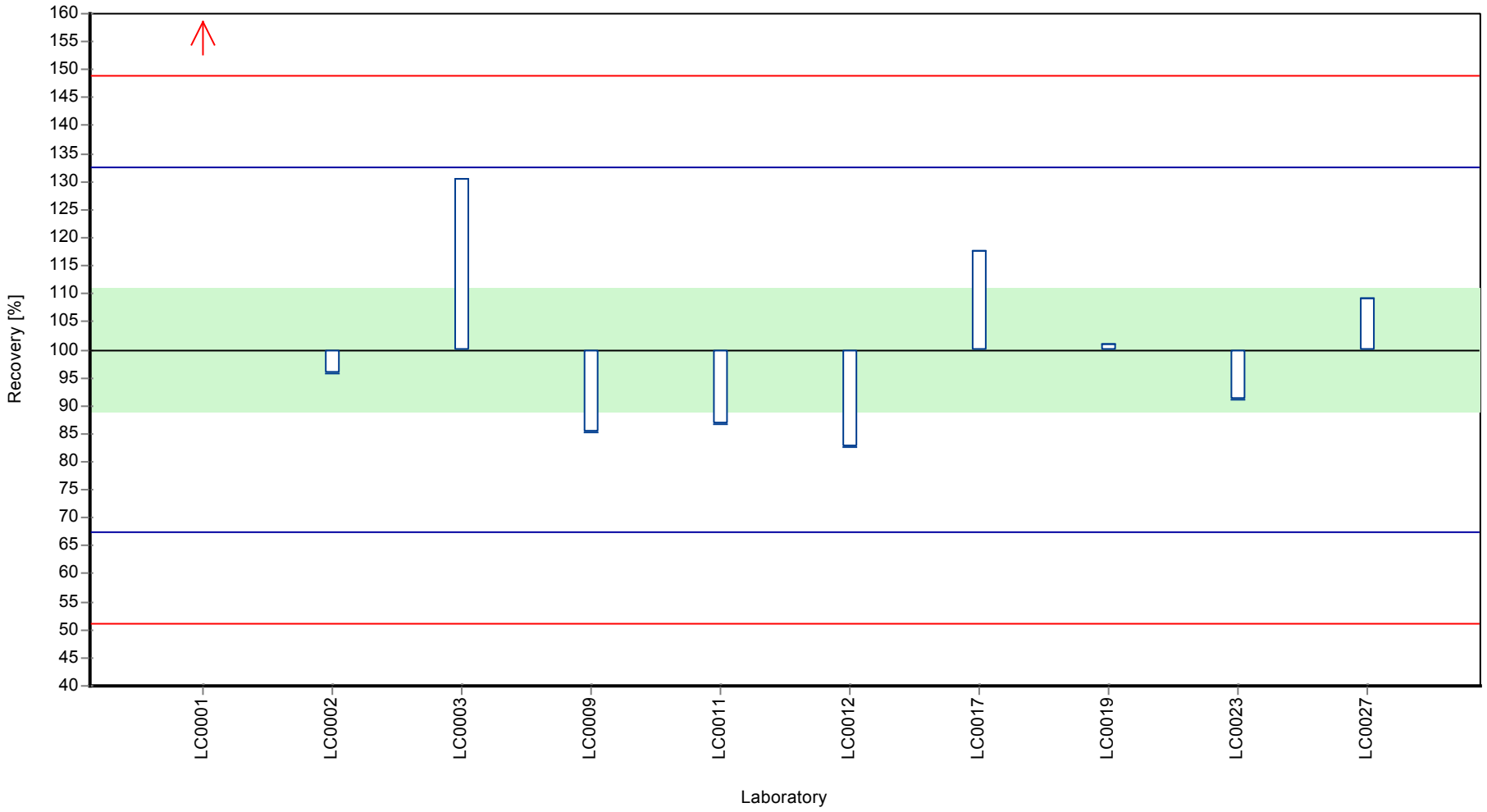
	all results	without outliers	Unit
Mean ± CI (99%)	0.663 ± 0.0554	0.65 ± 0.0424	µg/l
Minimum	0.576	0.576	µg/l
Maximum	0.88	0.765	µg/l
Standard deviation	0.0784	0.0583	µg/l
rel. Standard deviation	11.8	8.97	%
n	18	17	-

Graphical presentation of results

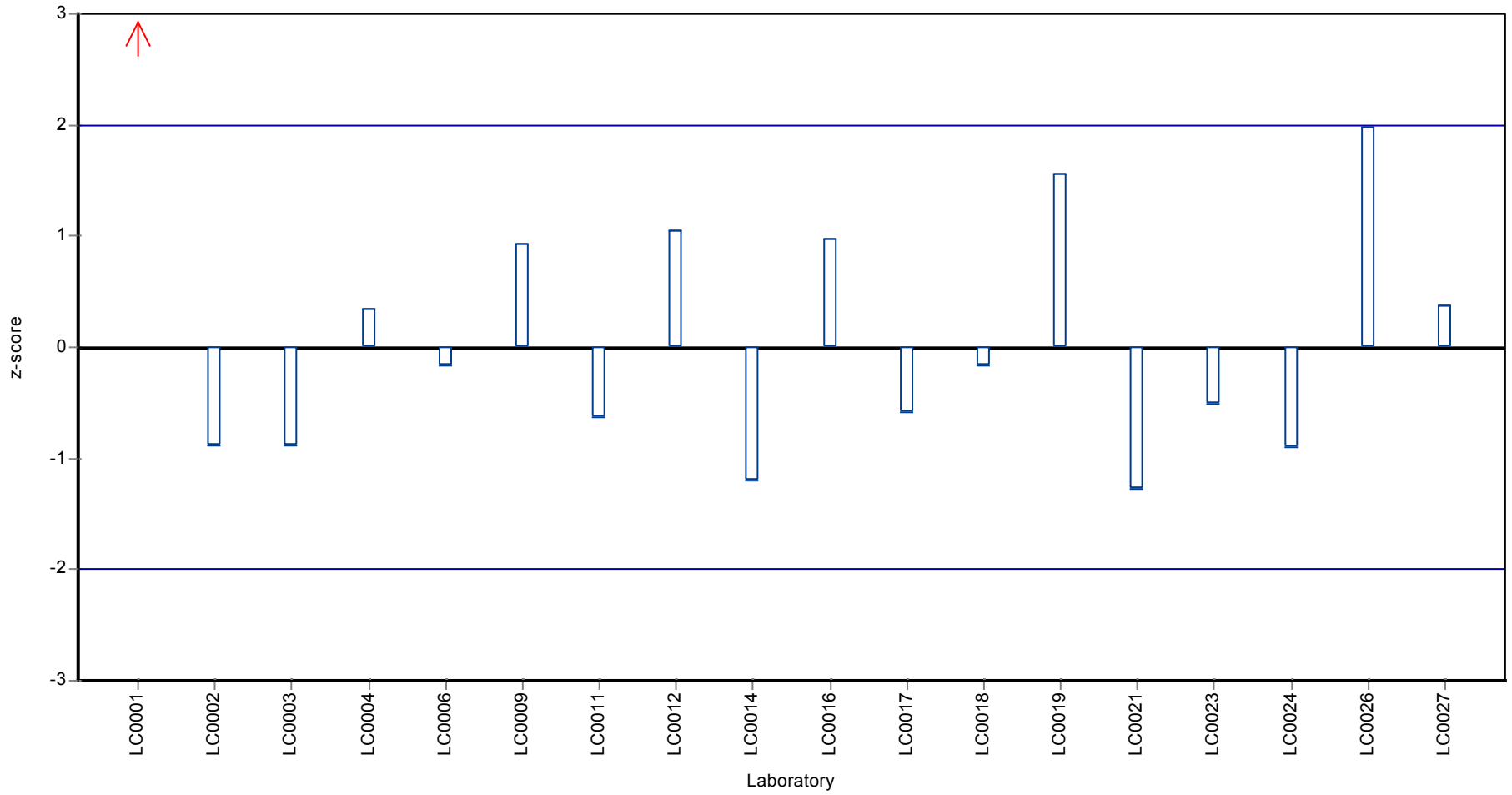
Results



Recovery rate



Z-score


3
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z-score
LC0001
LC0002
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LC0021
LC0023
LC0024
LC0026
LC0027
Laboratory

Parameter oriented report

H95 A

Metazachlor ESA

Unit	µg/l
Mean ± CI (99%)	0.672 ± 0.182
Minimum - Maximum	0.252 - 0.954
Control test value ± U	0.799 ± 0.0596

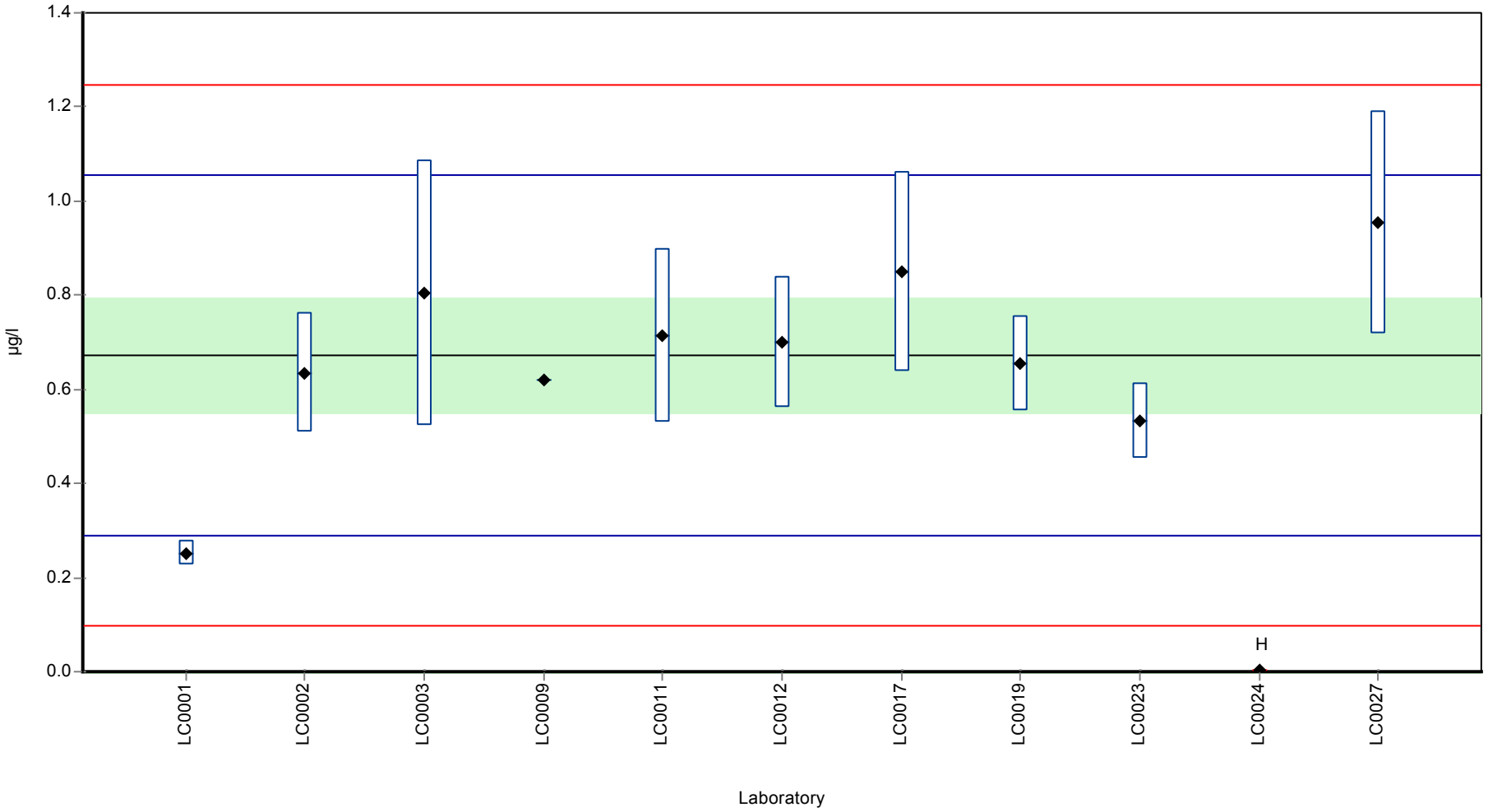
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.2523	0.0249	37.6	-2.19	
LC0002	0.635	0.127	94.5	-0.19	
LC0003	0.806	0.282	120	0.7	
LC0004	-	-	-	-	
LC0005	-	-	-	-	
LC0006	-	-	-	-	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	0.619	-	92.2	-0.27	
LC0010	-	-	-	-	
LC0011	0.713	0.185	106	0.22	
LC0012	0.699	0.14	104	0.14	
LC0013	-	-	-	-	
LC0014	-	-	-	-	
LC0015	-	-	-	-	
LC0016	-	-	-	-	
LC0017	0.849	0.212	126	0.93	
LC0018	-	-	-	-	
LC0019	0.655	0.1	97.5	-0.09	
LC0020	-	-	-	-	
LC0021	-	-	-	-	
LC0022	-	-	-	-	
LC0023	0.534	0.08	79.5	-0.72	
LC0024	0.00286	0.0018	0.4	-3.49	H
LC0025	-	-	-	-	
LC0026	-	-	-	-	
LC0027	0.954	0.238	142	1.47	

Characteristics of parameter

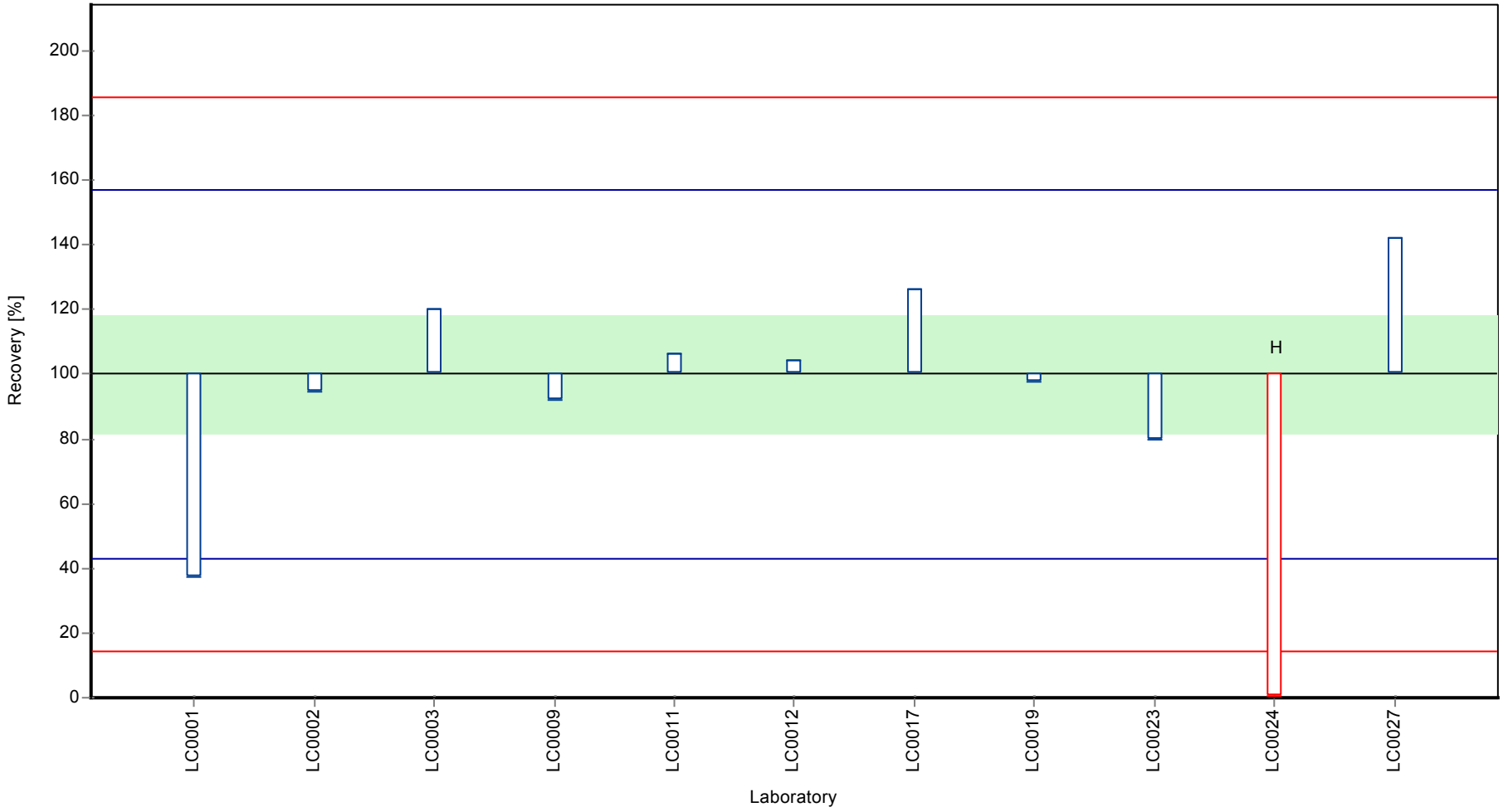
	all results	without outliers	Unit
Mean ± CI (99%)	0.611 ± 0.246	0.672 ± 0.182	µg/l
Minimum	0.00286	0.252	µg/l
Maximum	0.954	0.954	µg/l
Standard deviation	0.272	0.192	µg/l
rel. Standard deviation	44.5	28.5	%
n	11	10	-

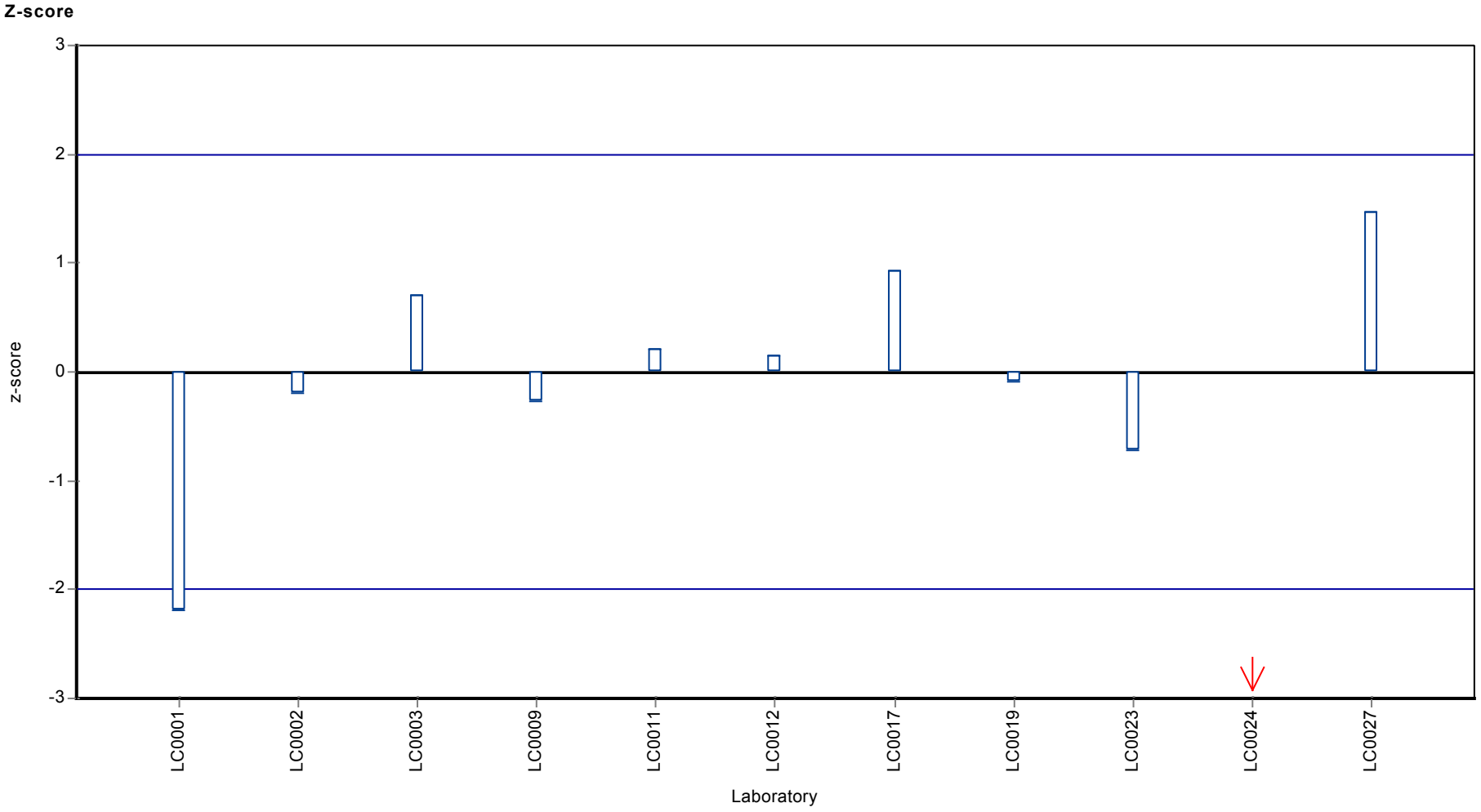
Graphical presentation of results

Results



Recovery rate




Z-score
3
2
1
0
-1
-2
-3
z-score
LC0001
LC0002
LC0003
LC0009
LC0011
LC0012
LC0017
LC0019
LC0023
LC0024
LC0027
Laboratory

Parameter oriented report

H95 B

Metazachlor ESA

Unit	µg/l
Mean ± CI (99%)	0.201 ± 0.0327
Minimum - Maximum	0.166 - 0.262
Control test value ± U	0.215 ± 0.0237

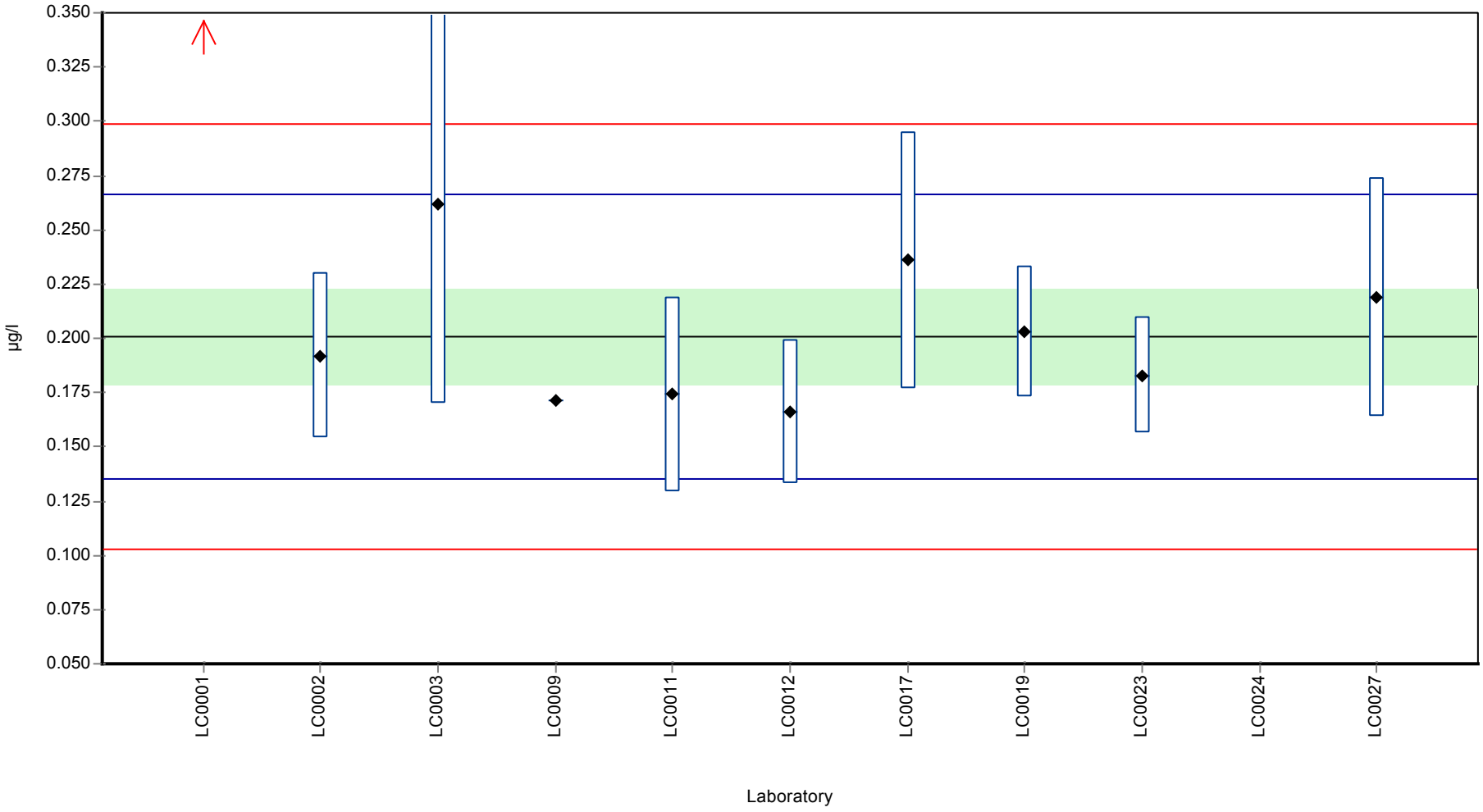
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.3556	0.0301	177	4.74	H
LC0002	0.192	0.038	95.7	-0.27	
LC0003	0.262	0.092	131	1.88	
LC0004	-	-	-	-	
LC0005	-	-	-	-	
LC0006	-	-	-	-	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	0.171	-	85.2	-0.91	
LC0010	-	-	-	-	
LC0011	0.174	0.045	86.7	-0.82	
LC0012	0.166	0.033	82.7	-1.06	
LC0013	-	-	-	-	
LC0014	-	-	-	-	
LC0015	-	-	-	-	
LC0016	-	-	-	-	
LC0017	0.236	0.059	118	1.08	
LC0018	-	-	-	-	
LC0019	0.203	0.03	101	0.07	
LC0020	-	-	-	-	
LC0021	-	-	-	-	
LC0022	-	-	-	-	
LC0023	0.183	0.027	91.2	-0.54	
LC0024	< 0.00102 (LOQ)	-	-	-	
LC0025	-	-	-	-	
LC0026	-	-	-	-	
LC0027	0.219	0.055	109	0.56	

Characteristics of parameter

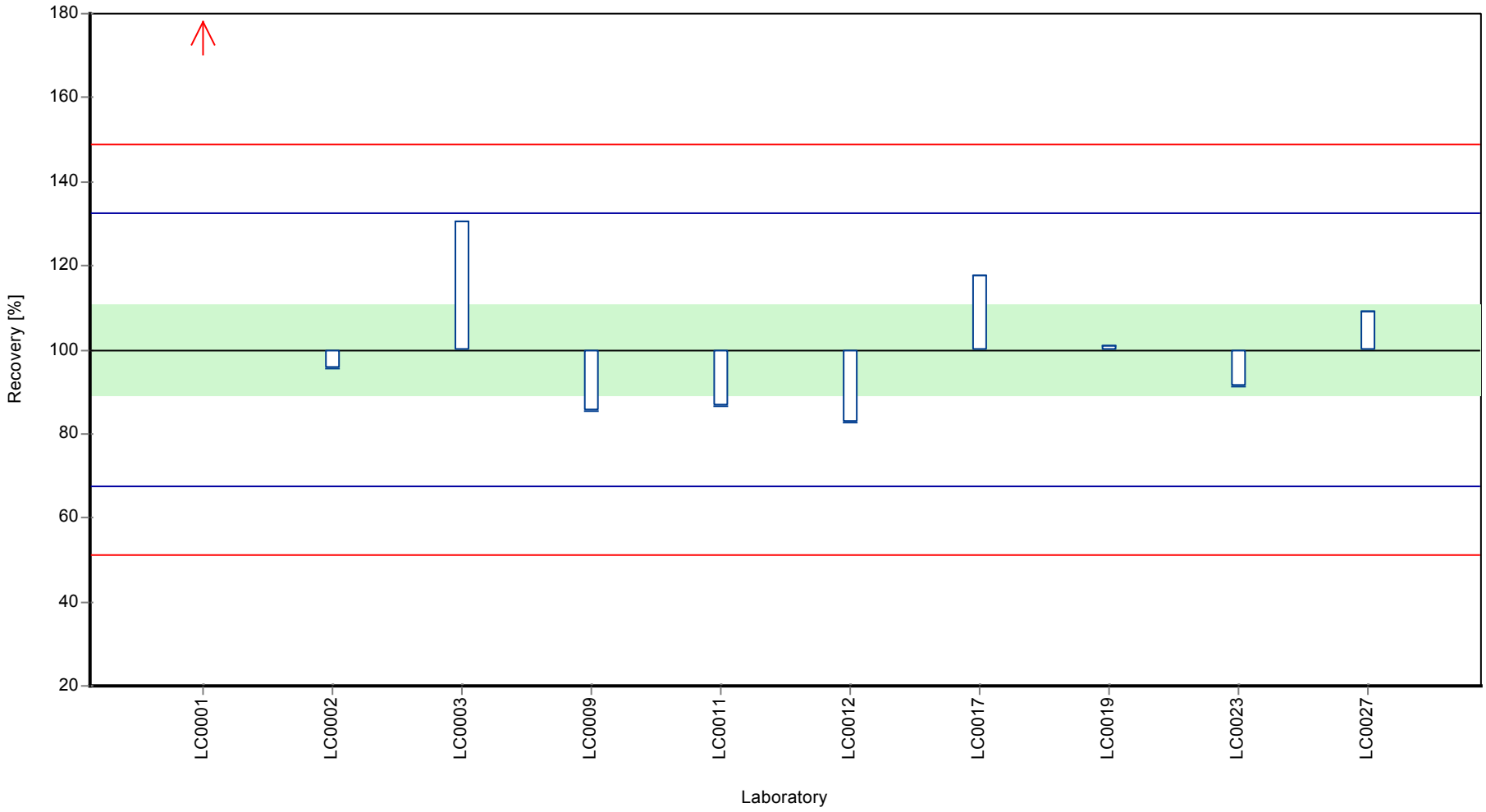
	all results	without outliers	Unit
Mean ± CI (99%)	0.216 ± 0.0549	0.201 ± 0.0327	µg/l
Minimum	0.166	0.166	µg/l
Maximum	0.356	0.262	µg/l
Standard deviation	0.0579	0.0327	µg/l
rel. Standard deviation	26.8	16.3	%
n	10	9	-

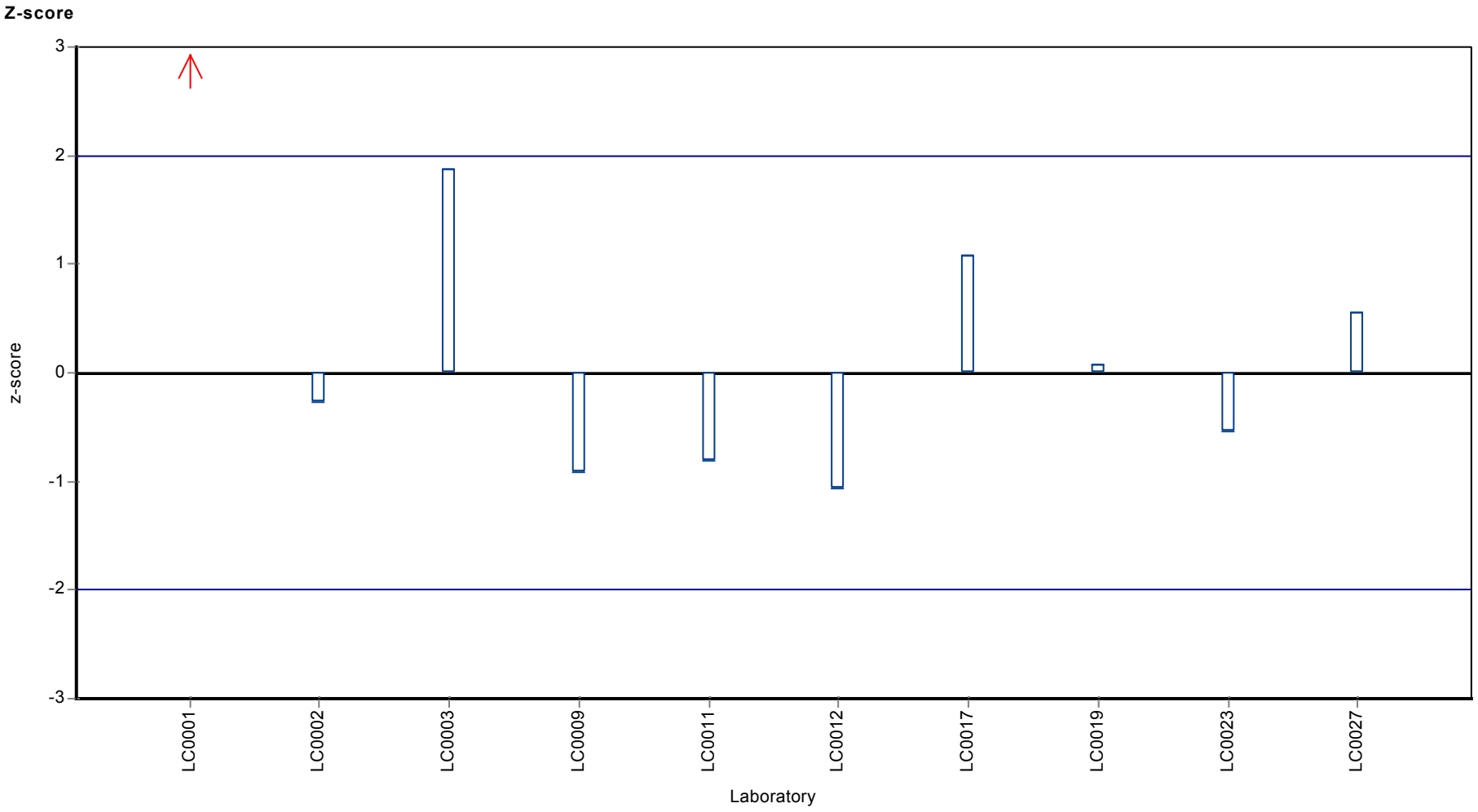
Graphical presentation of results

Results



Recovery rate




Z-score
3
2
1
0
-1
-2
-3
z-score
LC0001
LC0002
LC0003
LC0009
LC0011
LC0012
LC0017
LC0019
LC0023
LC0027
Laboratory

Parameter oriented report

H95 A

Metazachlor OA

Unit	µg/l
Mean ± CI (99%)	0.0805 ± 0.0111
Minimum - Maximum	0.067 - 0.091
Control test value ± U	0.076 ± 0.0119

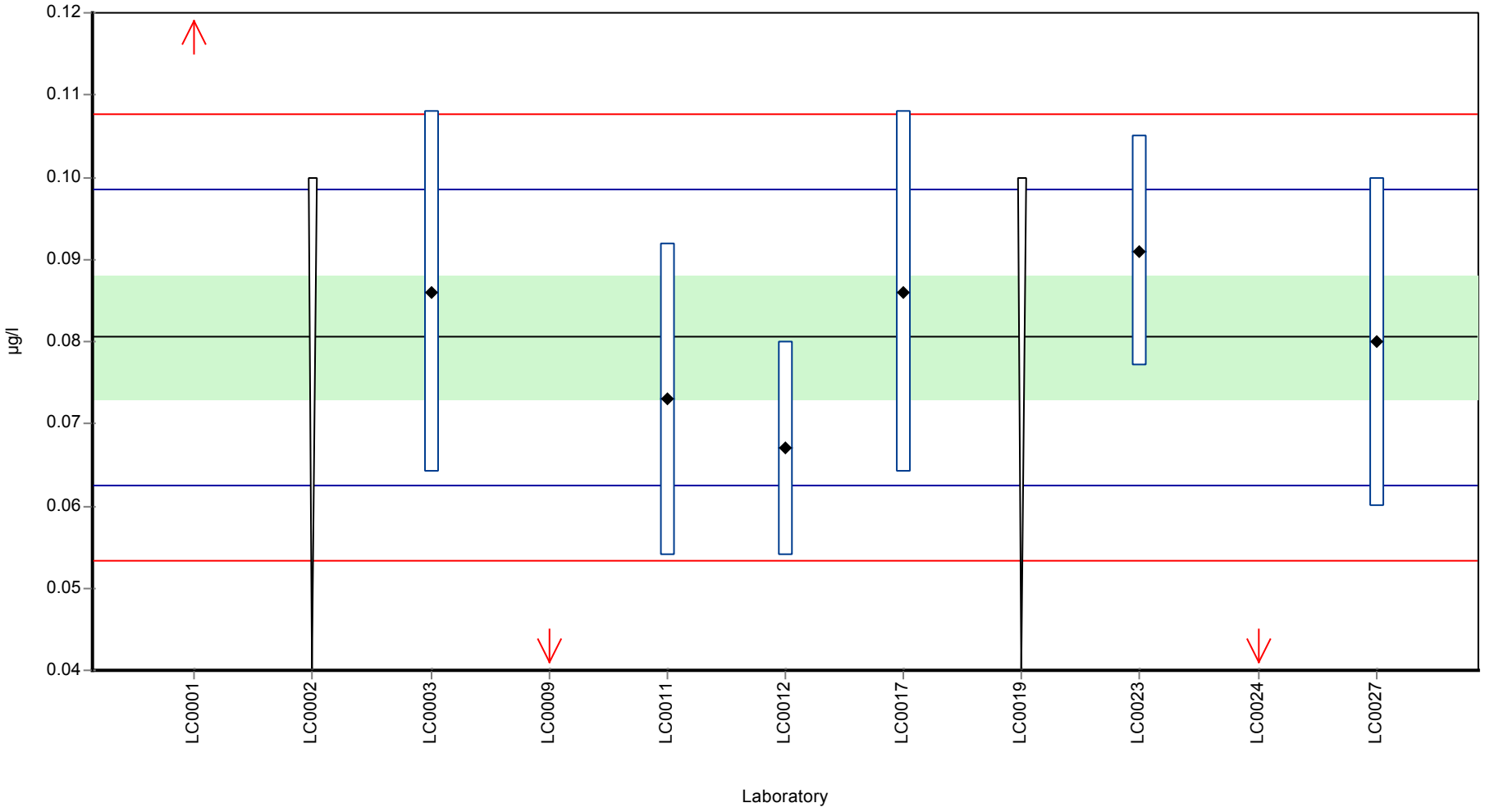
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.3556	0.0258	442	30.4	H
LC0002	< 0.1 (LOQ)	-	-	-	
LC0003	0.086	0.022	107	0.61	
LC0004	-	-	-	-	
LC0005	-	-	-	-	
LC0006	-	-	-	-	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	0.023	-	28.6	-6.35	H
LC0010	-	-	-	-	
LC0011	0.073	0.019	90.7	-0.83	
LC0012	0.067	0.013	83.2	-1.49	
LC0013	-	-	-	-	
LC0014	-	-	-	-	
LC0015	-	-	-	-	
LC0016	-	-	-	-	
LC0017	0.086	0.022	107	0.61	
LC0018	-	-	-	-	
LC0019	< 0.1 (LOQ)	-	-	-	
LC0020	-	-	-	-	
LC0021	-	-	-	-	
LC0022	-	-	-	-	
LC0023	0.091	0.014	113	1.16	
LC0024	0.00179	0.0018	2.2	-8.7	H
LC0025	-	-	-	-	
LC0026	-	-	-	-	
LC0027	0.08	0.02	99.4	-0.06	

Characteristics of parameter

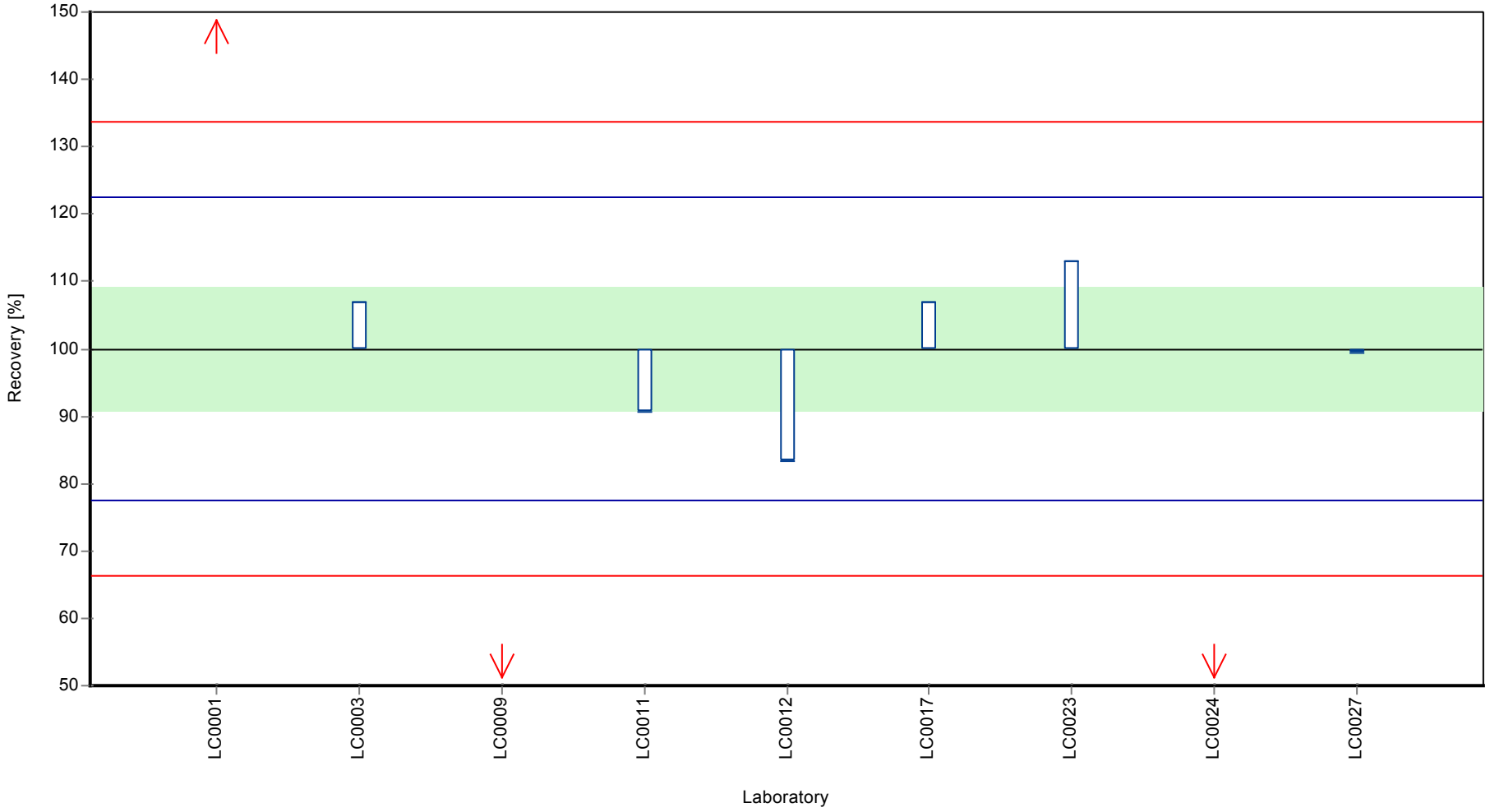
	all results	without outliers	Unit
Mean ± CI (99%)	0.0959 ± 0.102	0.0805 ± 0.0111	µg/l
Minimum	0.00179	0.067	µg/l
Maximum	0.356	0.091	µg/l
Standard deviation	0.102	0.00905	µg/l
rel. Standard deviation	106	11.2	%
n	9	6	-

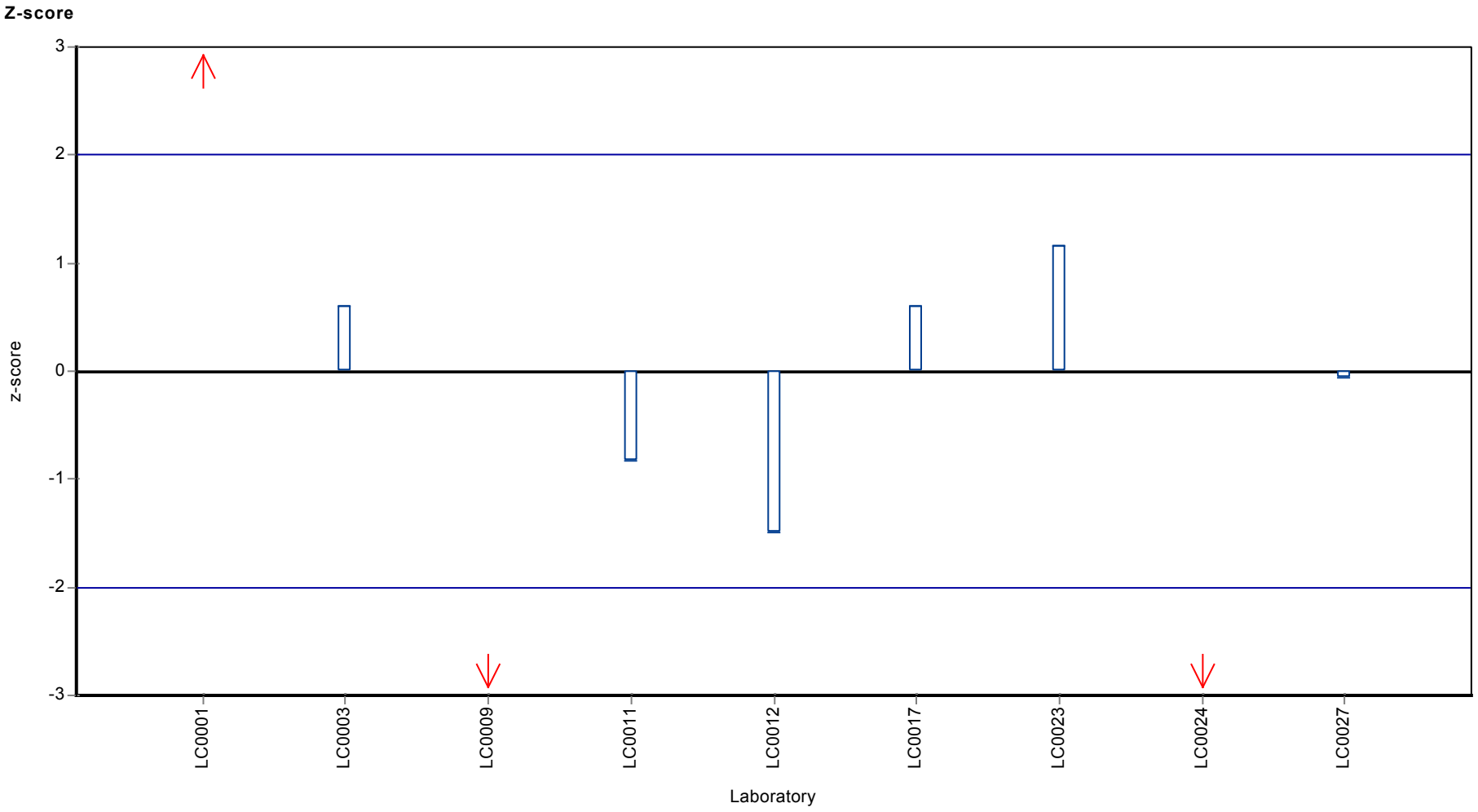
Graphical presentation of results

Results



Recovery rate




Z-score
3
2
1
0
-1
-2
-3
z-score
LC0001
LC0003
LC0009
LC0011
LC0012
LC0017
LC0023
LC0024
LC0027
Laboratory

Parameter oriented report

H95 B

Metazachlor OA

Unit	µg/l
Mean ± CI (99%)	-
Minimum - Maximum	0.00553 - 0.663
Control test value ± U	<0.025 (LOD)

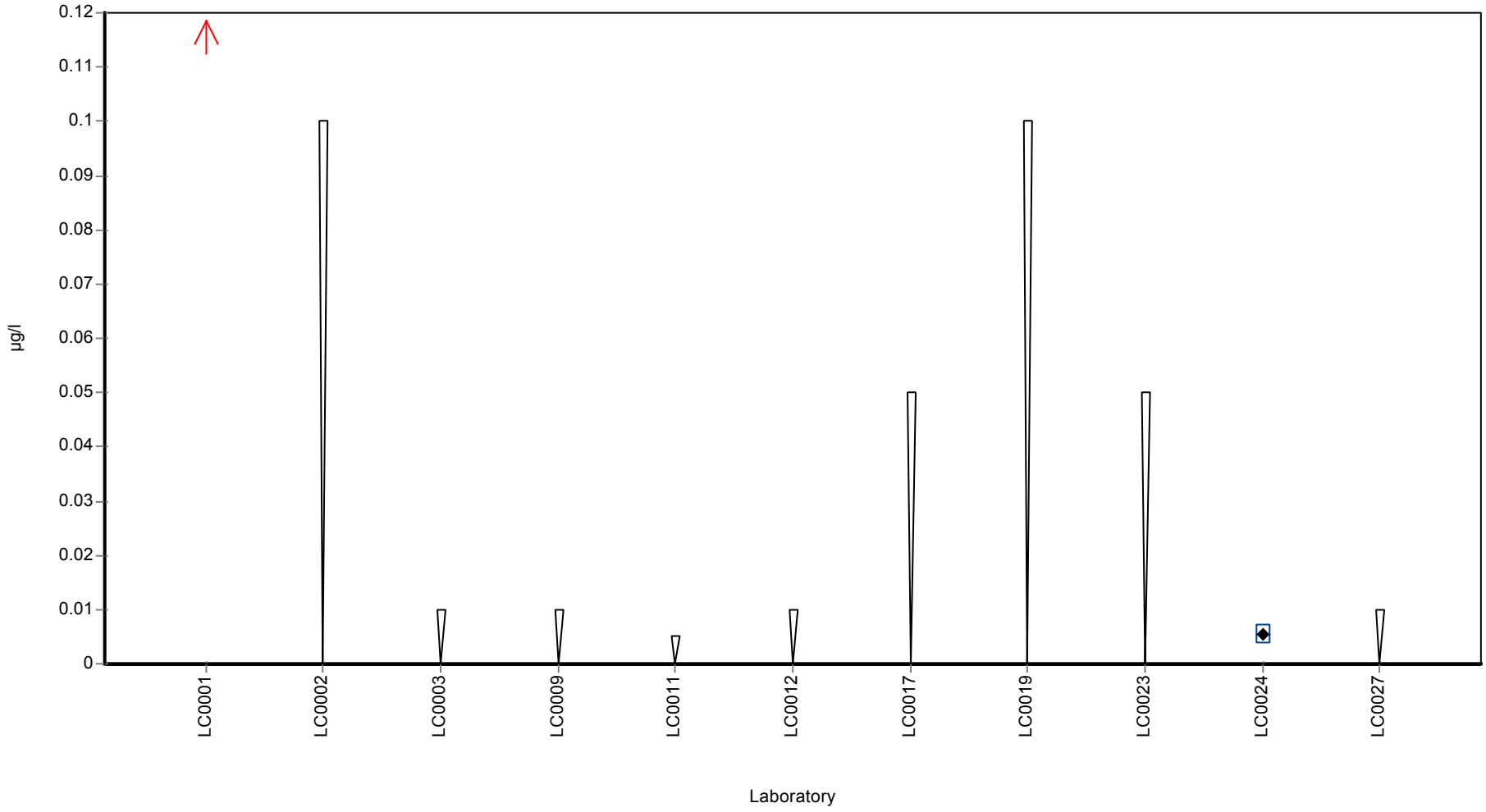
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.6634	0.0453	-	-	FP
LC0002	< 0.1 (LOQ)	-	-	-	
LC0003	< 0.01 (LOQ)	-	-	-	
LC0004	-	-	-	-	
LC0005	-	-	-	-	
LC0006	-	-	-	-	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	< 0.01 (LOQ)	-	-	-	
LC0010	-	-	-	-	
LC0011	< 0.005 (LOQ)	-	-	-	
LC0012	< 0.01 (LOQ)	-	-	-	
LC0013	-	-	-	-	
LC0014	-	-	-	-	
LC0015	-	-	-	-	
LC0016	-	-	-	-	
LC0017	< 0.05 (LOQ)	-	-	-	
LC0018	-	-	-	-	
LC0019	< 0.1 (LOQ)	-	-	-	
LC0020	-	-	-	-	
LC0021	-	-	-	-	
LC0022	-	-	-	-	
LC0023	< 0.05 (LOQ)	-	-	-	
LC0024	0.00553	0.0018	-	-	
LC0025	-	-	-	-	
LC0026	-	-	-	-	
LC0027	< 0.01 (LOQ)	-	-	-	

Characteristics of parameter

	all results	without outliers	Unit
Mean ± CI (99%)	0.334 ± 0.987	-	µg/l
Minimum	0.00553	0.00553	µg/l
Maximum	0.663	0.663	µg/l
Standard deviation	0.465	-	µg/l
rel. Standard deviation	139	-	%
n	2	2	-

Graphical presentation of results

Results



Parameter oriented report

H95 A

Metolachlor

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

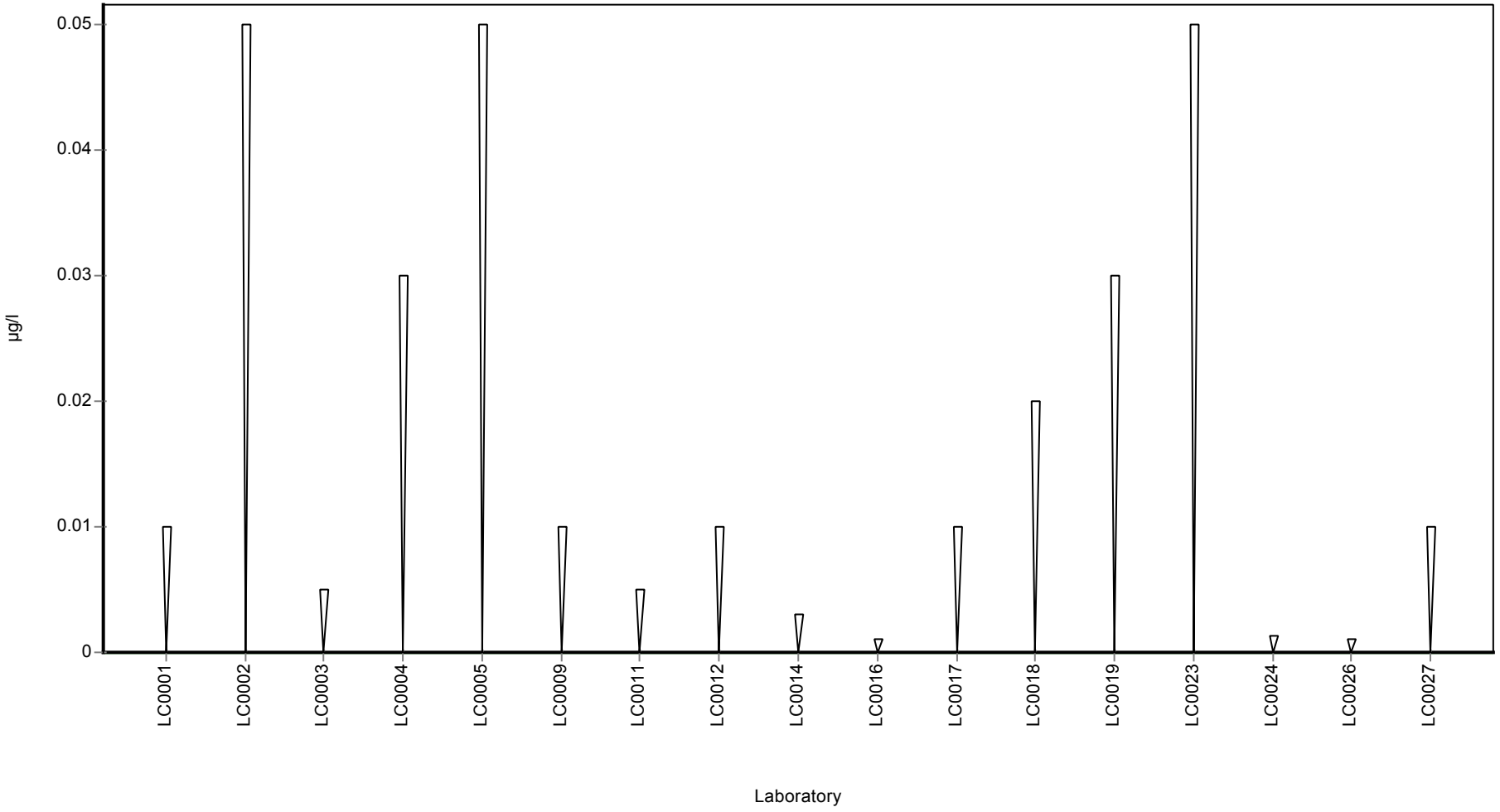
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	< 0.01 (LOQ)	-	-	-	
LC0002	< 0.05 (LOQ)	-	-	-	
LC0003	<0.005 (LOD)	-	-	-	
LC0004	< 0.03 (LOQ)	-	-	-	
LC0005	< 0.05 (LOQ)	-	-	-	
LC0006	-	-	-	-	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	< 0.01 (LOQ)	-	-	-	
LC0010	-	-	-	-	
LC0011	< 0.005 (LOQ)	-	-	-	
LC0012	< 0.01 (LOQ)	-	-	-	
LC0013	-	-	-	-	
LC0014	< 0.003 (LOQ)	-	-	-	
LC0015	-	-	-	-	
LC0016	< 0.001 (LOQ)	-	-	-	
LC0017	< 0.01 (LOQ)	-	-	-	
LC0018	< 0.02 (LOQ)	-	-	-	
LC0019	< 0.03 (LOQ)	-	-	-	
LC0020	-	-	-	-	
LC0021	-	-	-	-	
LC0022	-	-	-	-	
LC0023	< 0.05 (LOQ)	-	-	-	
LC0024	< 0.00128 (LOQ)	-	-	-	
LC0025	-	-	-	-	
LC0026	< 0.001 (LOQ)	-	-	-	
LC0027	< 0.01 (LOQ)	-	-	-	

Characteristics of parameter

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

Graphical presentation of results

Results



Parameter oriented report

H95 B

Metolachlor

Unit	µg/l
Mean ± CI (99%)	0.193 ± 0.0188
Minimum - Maximum	0.143 - 0.243
Control test value ± U	0.195 ± 0.00812

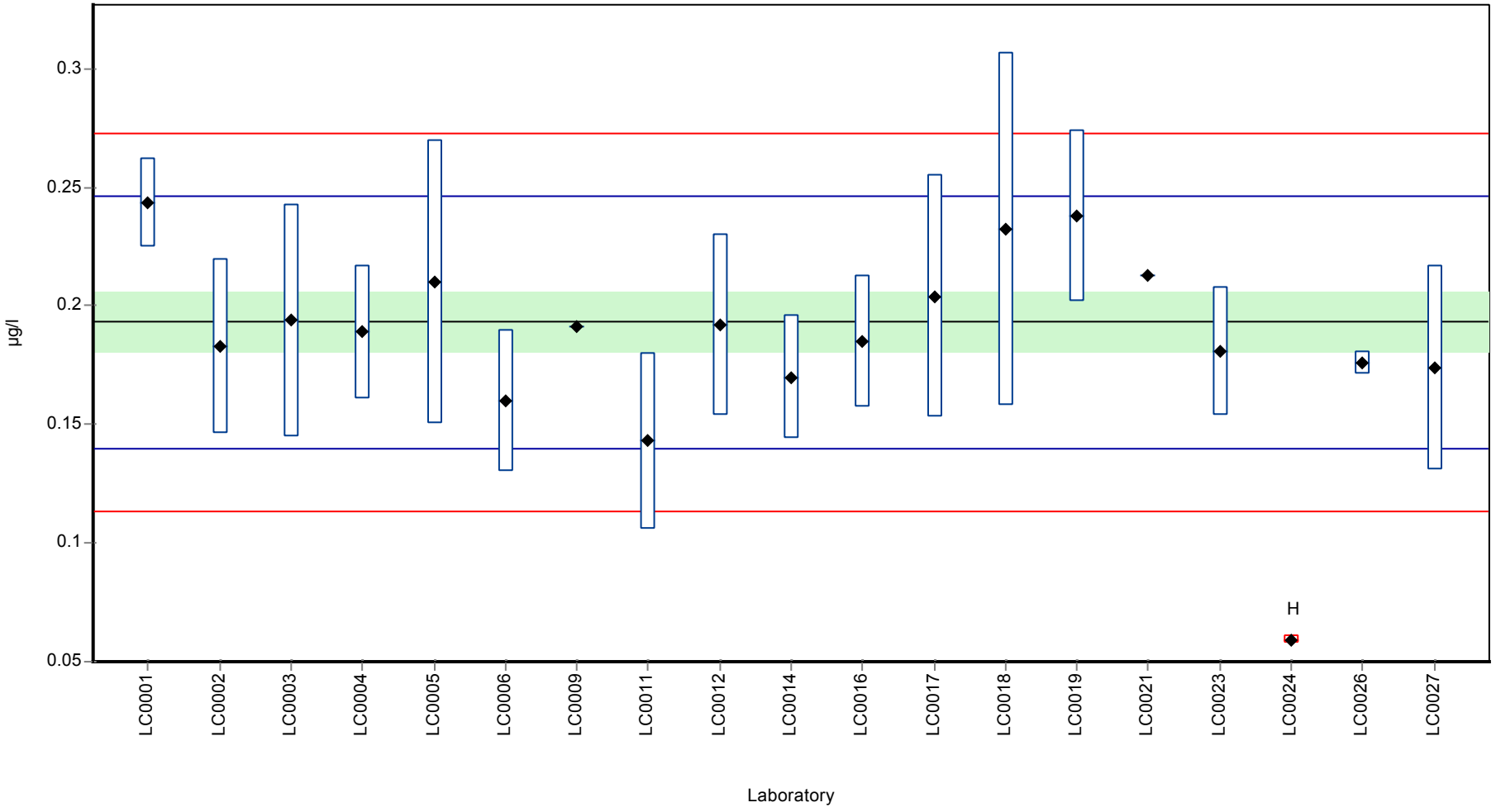
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.2435	0.019	126	1.89	
LC0002	0.183	0.037	94.7	-0.39	
LC0003	0.194	0.049	100	0.03	
LC0004	0.189	0.028	97.8	-0.16	
LC0005	0.21	0.06	109	0.63	
LC0006	0.16	0.03	82.8	-1.25	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	0.191	-	98.8	-0.09	
LC0010	-	-	-	-	
LC0011	0.143	0.037	74	-1.89	
LC0012	0.192	0.038	99.3	-0.05	
LC0013	-	-	-	-	
LC0014	0.17	0.026	88	-0.88	
LC0015	-	-	-	-	
LC0016	0.185	0.028	95.7	-0.31	
LC0017	0.204	0.051	106	0.4	
LC0018	0.2322	0.0744	120	1.46	
LC0019	0.238	0.036	123	1.68	
LC0020	-	-	-	-	
LC0021	0.213	-	110	0.74	
LC0022	-	-	-	-	
LC0023	0.181	0.027	93.7	-0.46	
LC0024	0.05938	0.0019	30.7	-5.04	H
LC0025	-	-	-	-	
LC0026	0.176	0.005	91.1	-0.65	
LC0027	0.174	0.043	90	-0.72	

Characteristics of parameter

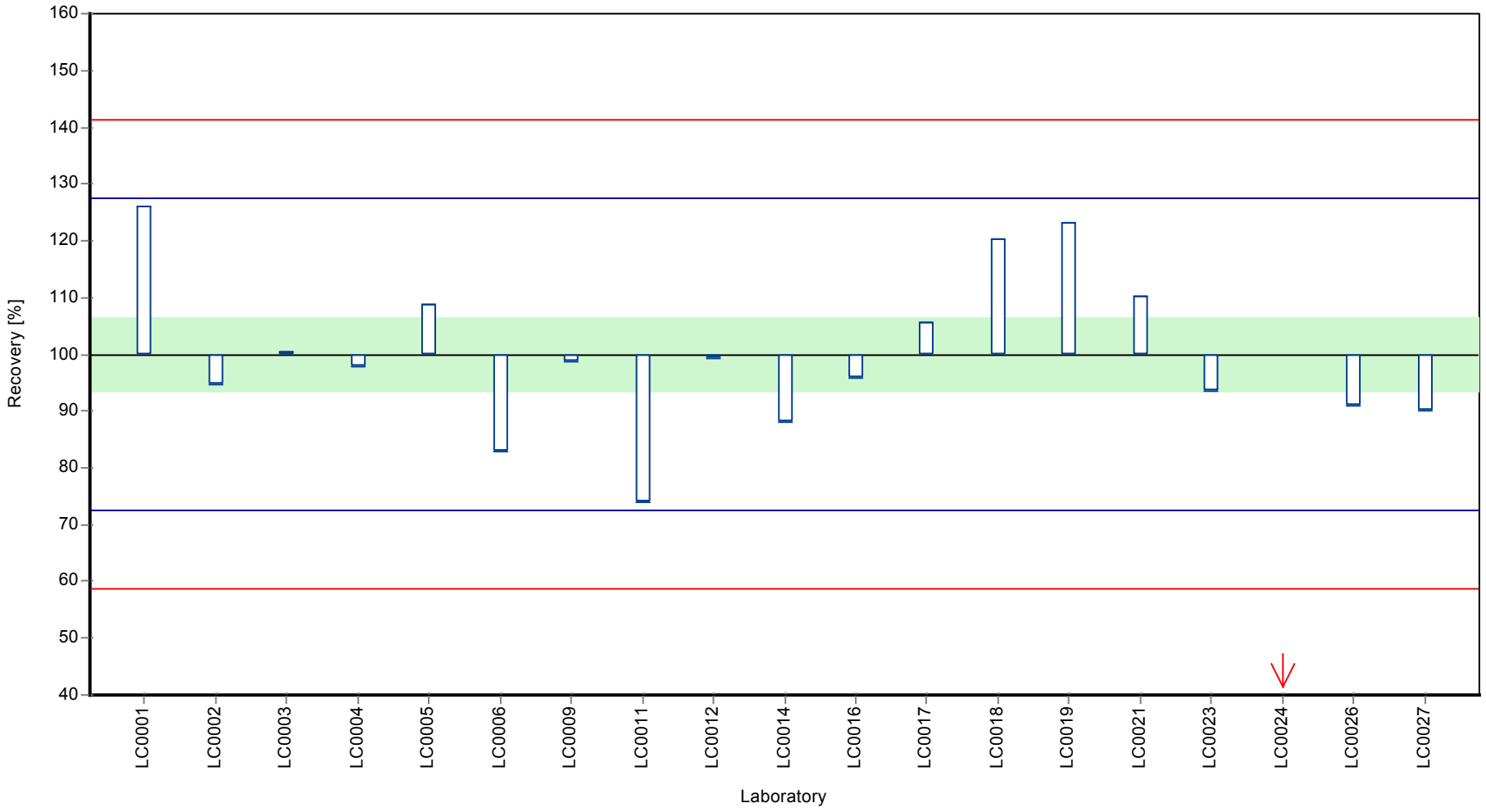
	all results	without outliers	Unit
Mean ± CI (99%)	0.186 ± 0.0276	0.193 ± 0.0188	µg/l
Minimum	0.0594	0.143	µg/l
Maximum	0.243	0.243	µg/l
Standard deviation	0.0401	0.0266	µg/l
rel. Standard deviation	21.6	13.8	%
n	19	18	-

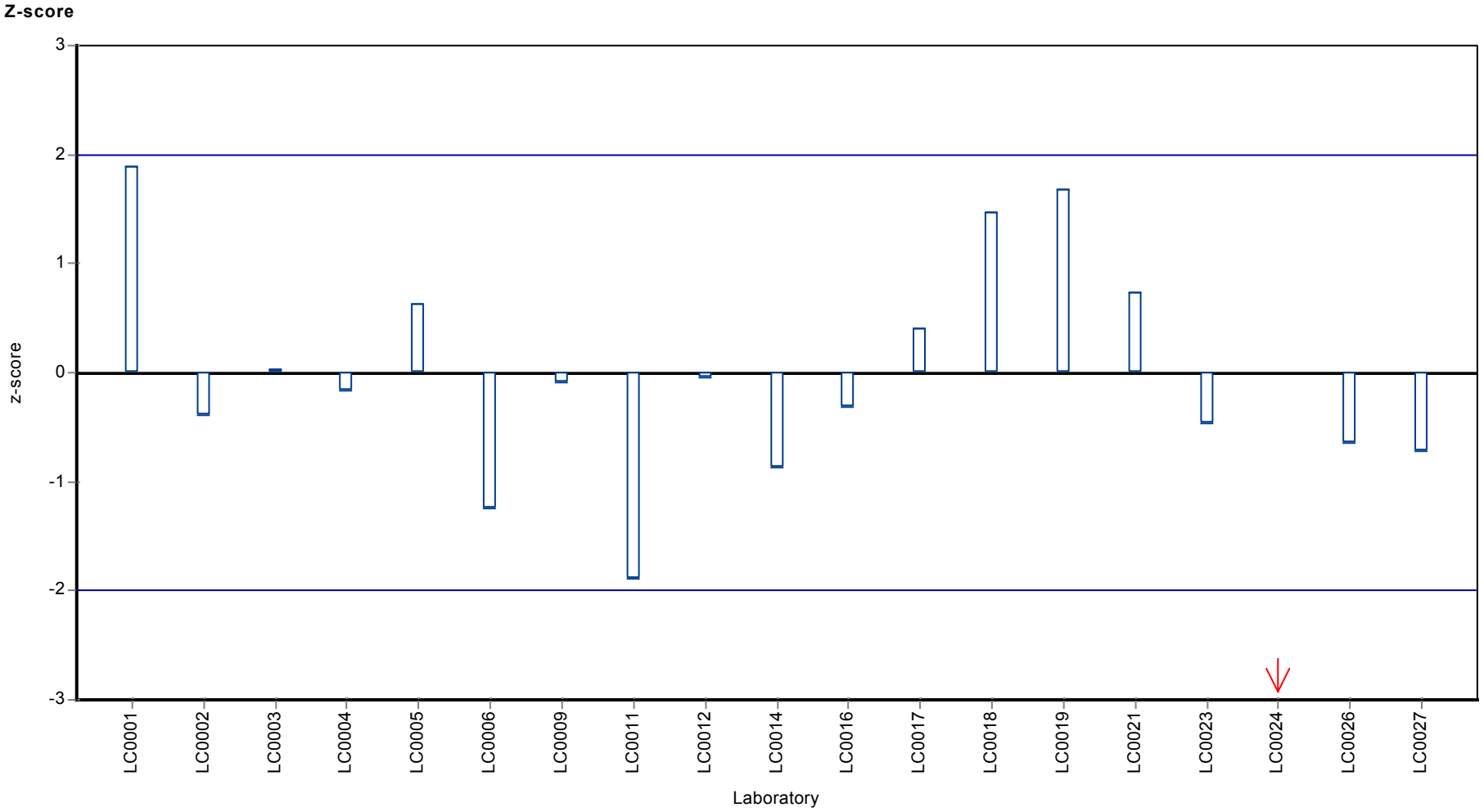
Graphical presentation of results

Results



Recovery rate




Z-score
3
2
1
0
-1
-2
-3
z-score
LC0001
LC0002
LC0003
LC0004
LC0005
LC0006
LC0009
LC0011
LC0012
LC0014
LC0016
LC0017
LC0018
LC0019
LC0021
LC0023
LC0024
LC0026
LC0027
Laboratory

Parameter oriented report

H95 A

Metolachlor ESA

Unit	µg/l
Mean ± CI (99%)	0.196 ± 0.0323
Minimum - Maximum	0.113 - 0.253
Control test value ± U	0.233 ± 0.0198

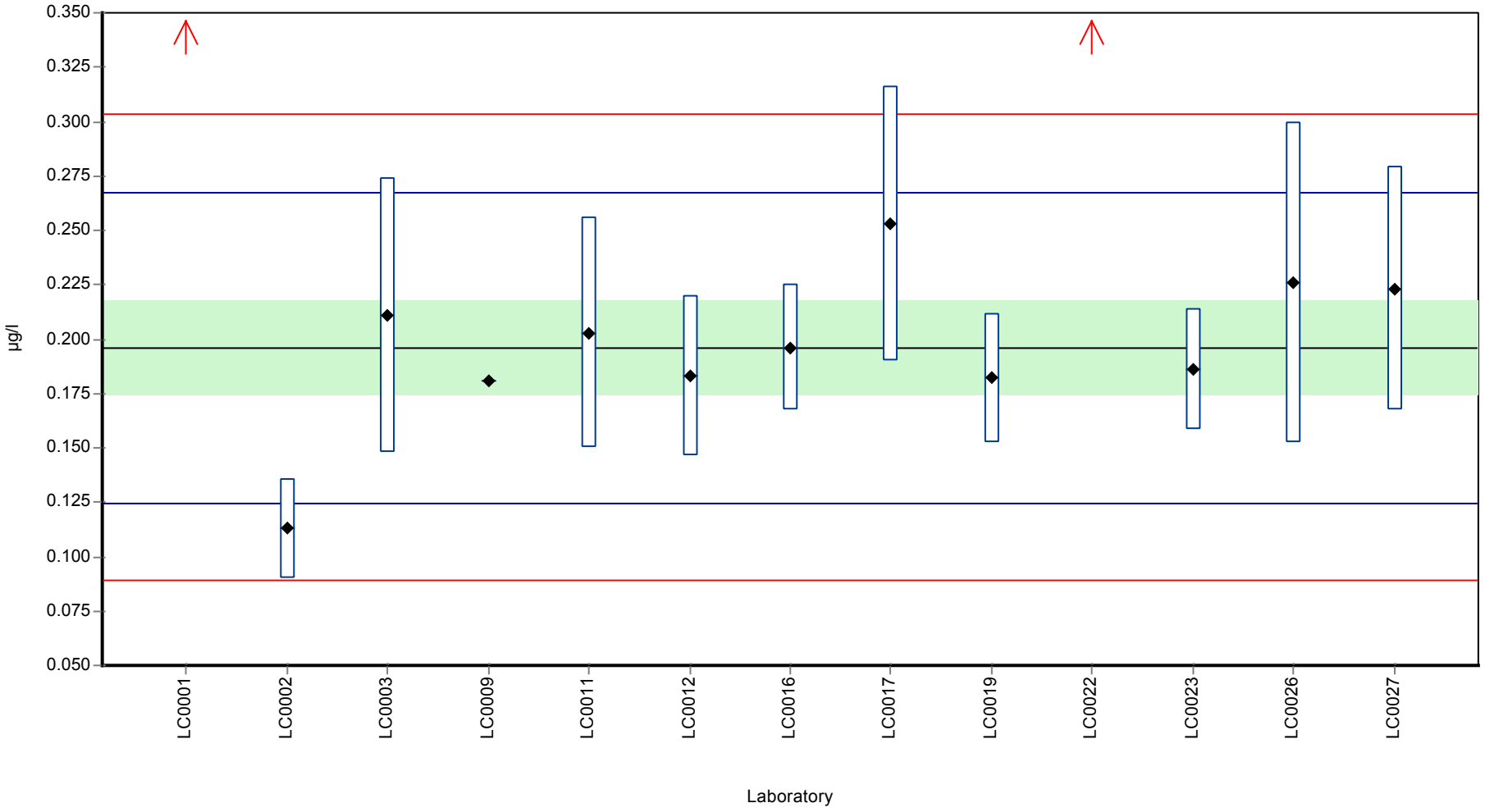
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.939	0.0824	479	20.8	H
LC0002	0.113	0.023	57.6	-2.33	
LC0003	0.211	0.063	108	0.42	
LC0004	-	-	-	-	
LC0005	-	-	-	-	
LC0006	-	-	-	-	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	0.181	-	92.3	-0.42	
LC0010	-	-	-	-	
LC0011	0.203	0.053	104	0.19	
LC0012	0.183	0.037	93.3	-0.37	
LC0013	-	-	-	-	
LC0014	-	-	-	-	
LC0015	-	-	-	-	
LC0016	0.196	0.029	100	0.00	
LC0017	0.253	0.063	129	1.59	
LC0018	-	-	-	-	
LC0019	0.182	0.03	92.8	-0.4	
LC0020	-	-	-	-	
LC0021	-	-	-	-	
LC0022	0.54	0.11	275	9.64	H
LC0023	0.186	0.028	94.9	-0.28	
LC0024	-	-	-	-	
LC0025	-	-	-	-	
LC0026	0.226	0.0737	115	0.84	
LC0027	0.223	0.056	114	0.75	

Characteristics of parameter

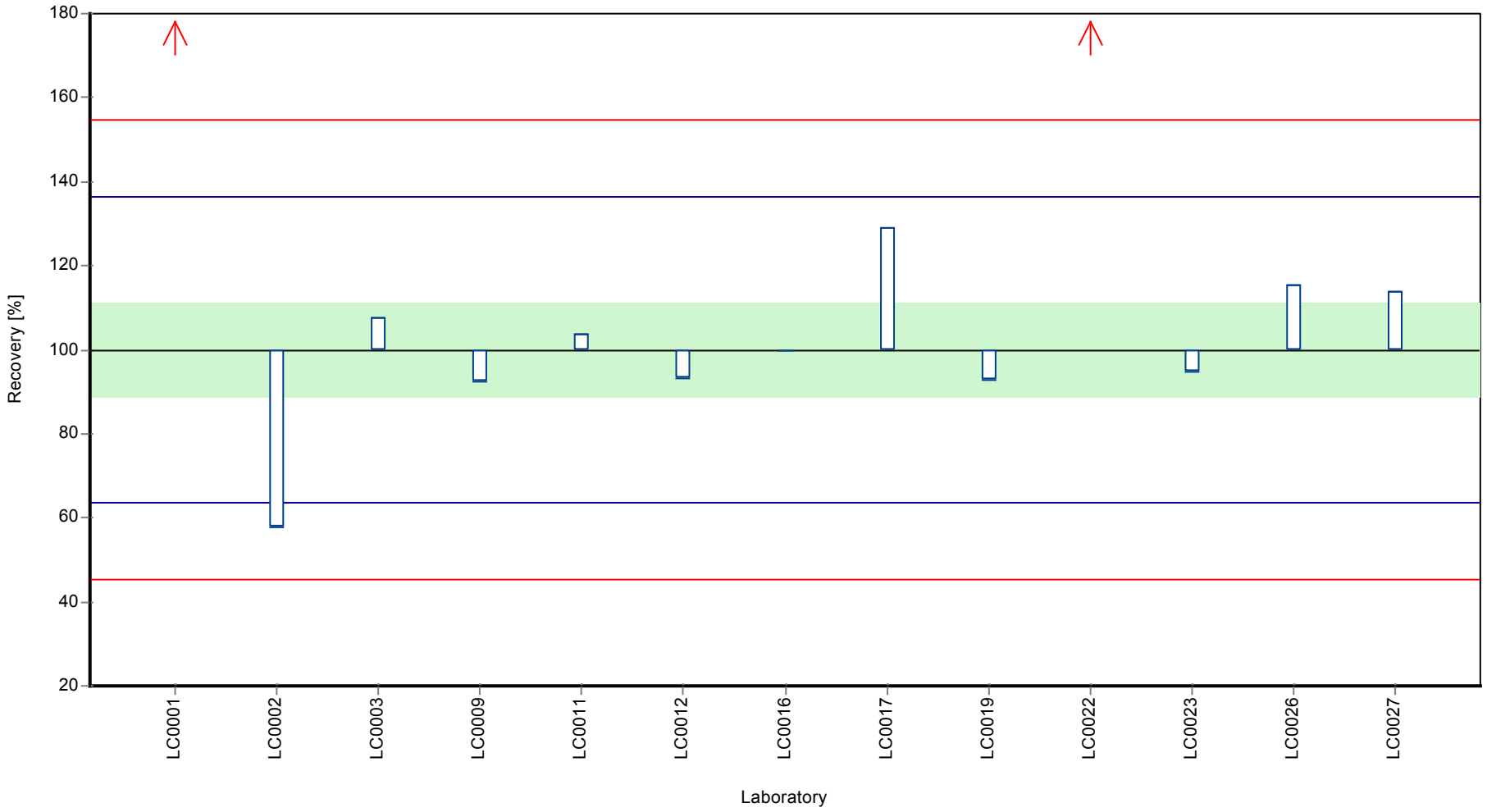
	all results	without outliers	Unit
Mean ± CI (99%)	0.28 ± 0.185	0.196 ± 0.0323	µg/l
Minimum	0.113	0.113	µg/l
Maximum	0.939	0.253	µg/l
Standard deviation	0.222	0.0357	µg/l
rel. Standard deviation	79.4	18.2	%
n	13	11	-

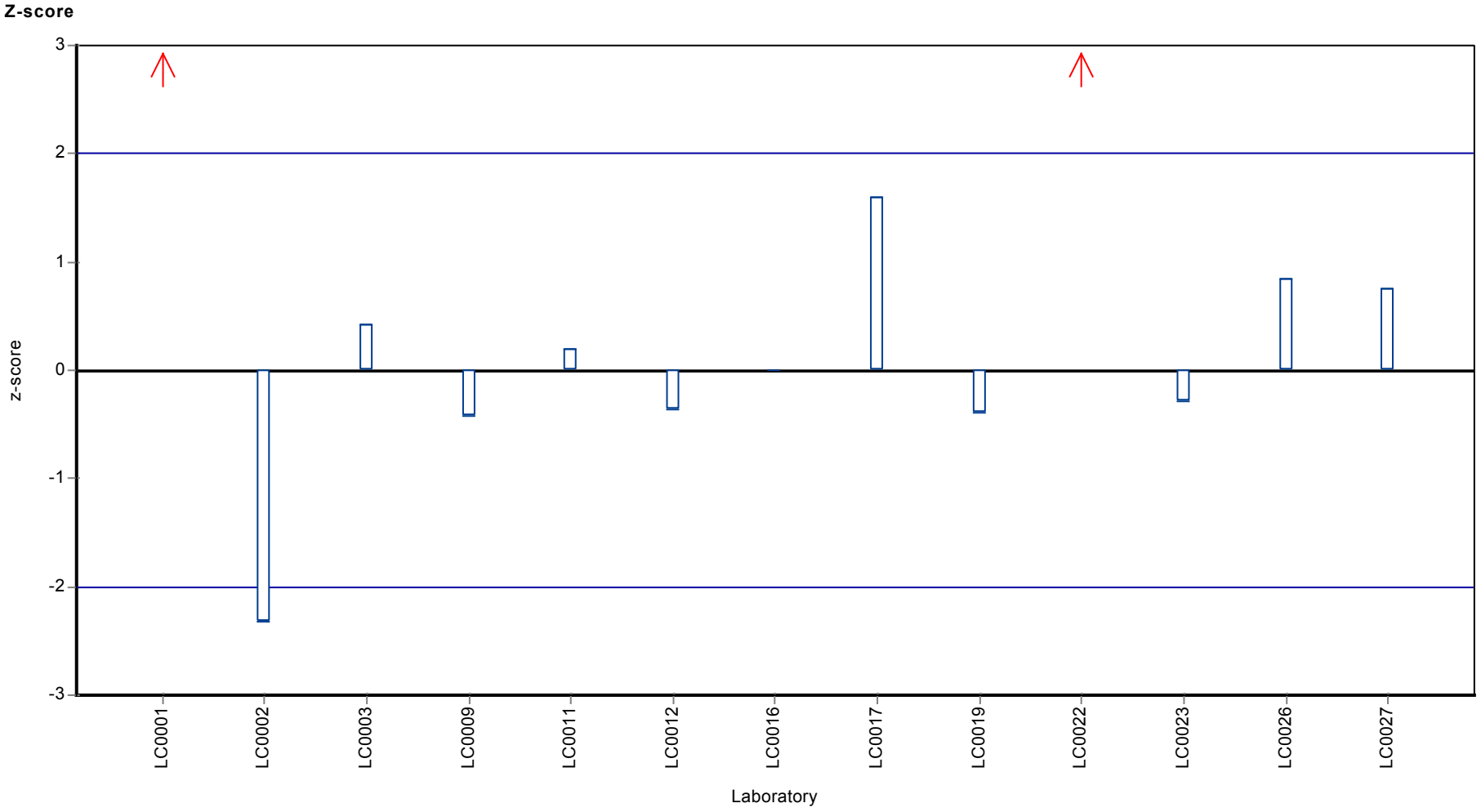
Graphical presentation of results

Results



Recovery rate




Z-score
3
2
1
0
-1
-2
-3
z-score
LC0001
LC0002
LC0003
LC0009
LC0011
LC0012
LC0016
LC0017
LC0019
LC0022
LC0023
LC0026
LC0027
Laboratory

Parameter oriented report

H95 B

Metolachlor ESA

Unit	µg/l
Mean ± CI (99%)	0.28 ± 0.0305
Minimum - Maximum	0.236 - 0.349
Control test value ± U	0.317 ± 0.0389

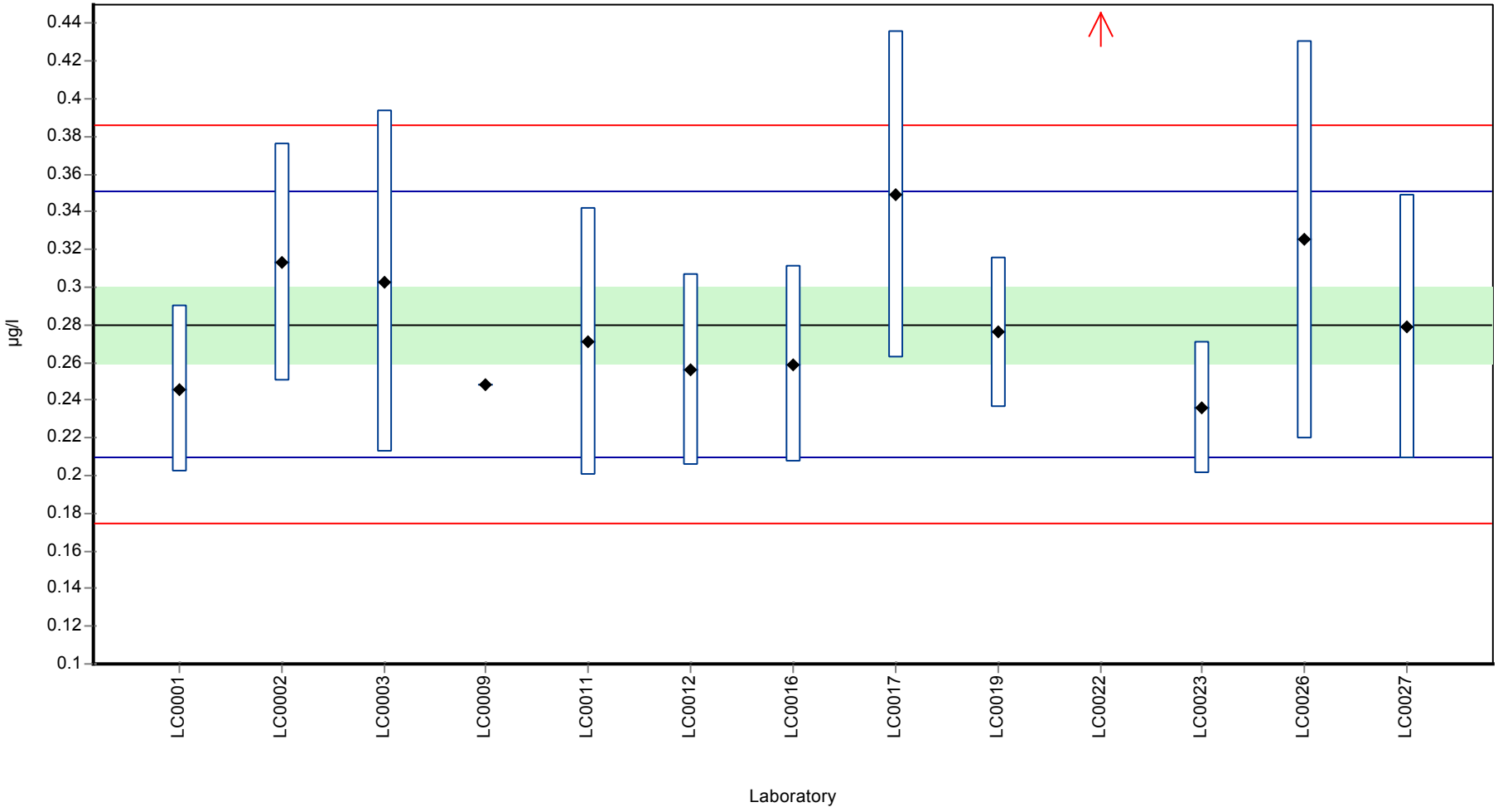
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.2459	0.0445	87.8	-0.97	
LC0002	0.313	0.063	112	0.94	
LC0003	0.303	0.091	108	0.65	
LC0004	-	-	-	-	
LC0005	-	-	-	-	
LC0006	-	-	-	-	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	0.248	-	88.5	-0.91	
LC0010	-	-	-	-	
LC0011	0.271	0.071	96.8	-0.26	
LC0012	0.256	0.051	91.4	-0.68	
LC0013	-	-	-	-	
LC0014	-	-	-	-	
LC0015	-	-	-	-	
LC0016	0.259	0.052	92.5	-0.6	
LC0017	0.349	0.087	125	1.96	
LC0018	-	-	-	-	
LC0019	0.276	0.04	98.5	-0.12	
LC0020	-	-	-	-	
LC0021	-	-	-	-	
LC0022	0.51	0.1	182	6.53	H
LC0023	0.236	0.035	84.3	-1.25	
LC0024	-	-	-	-	
LC0025	-	-	-	-	
LC0026	0.325	0.106	116	1.28	
LC0027	0.279	0.07	99.6	-0.03	

Characteristics of parameter

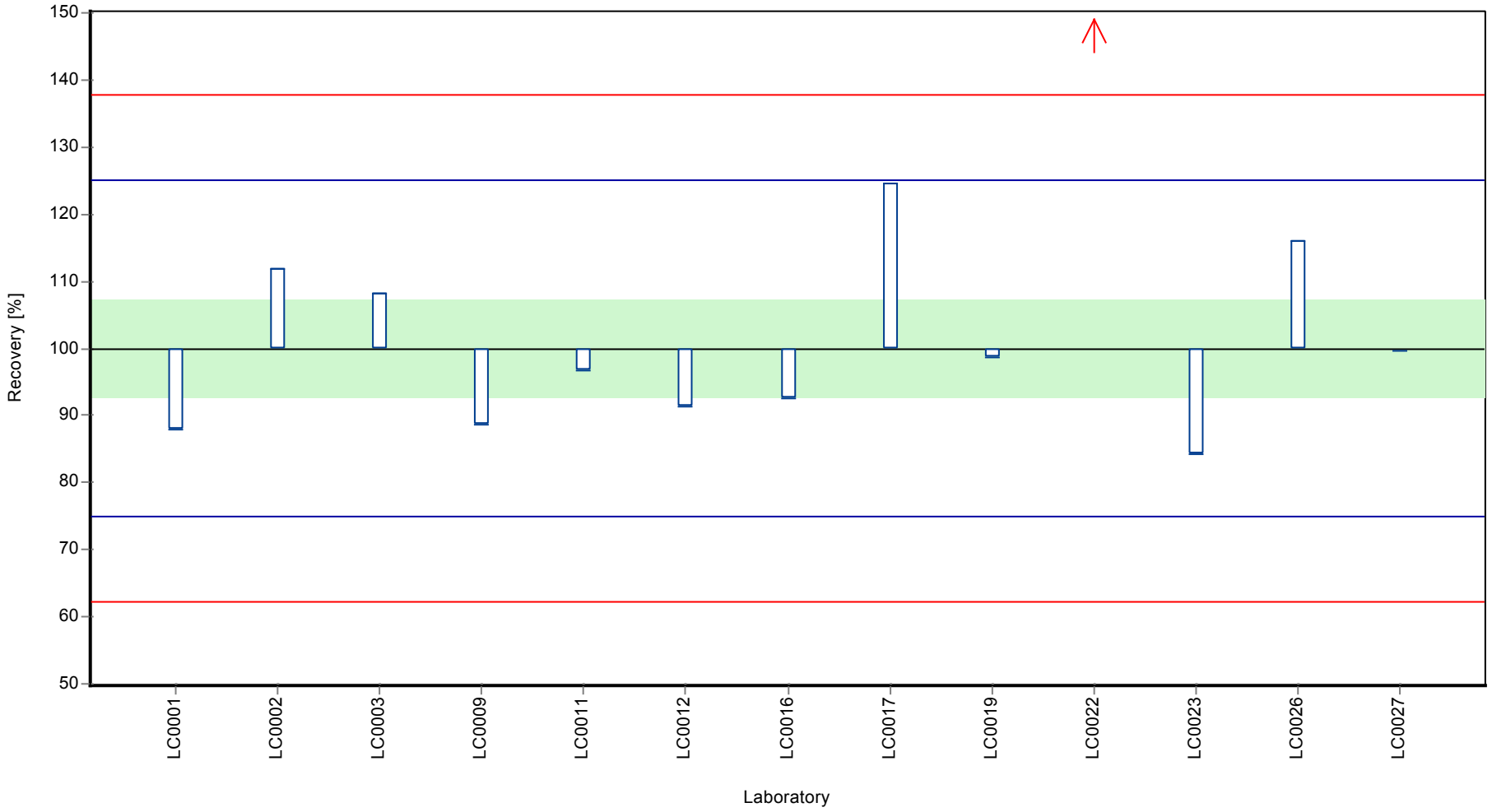
	all results	without outliers	Unit
Mean ± CI (99%)	0.298 ± 0.06	0.28 ± 0.0305	µg/l
Minimum	0.236	0.236	µg/l
Maximum	0.51	0.349	µg/l
Standard deviation	0.0721	0.0352	µg/l
rel. Standard deviation	24.2	12.6	%
n	13	12	-

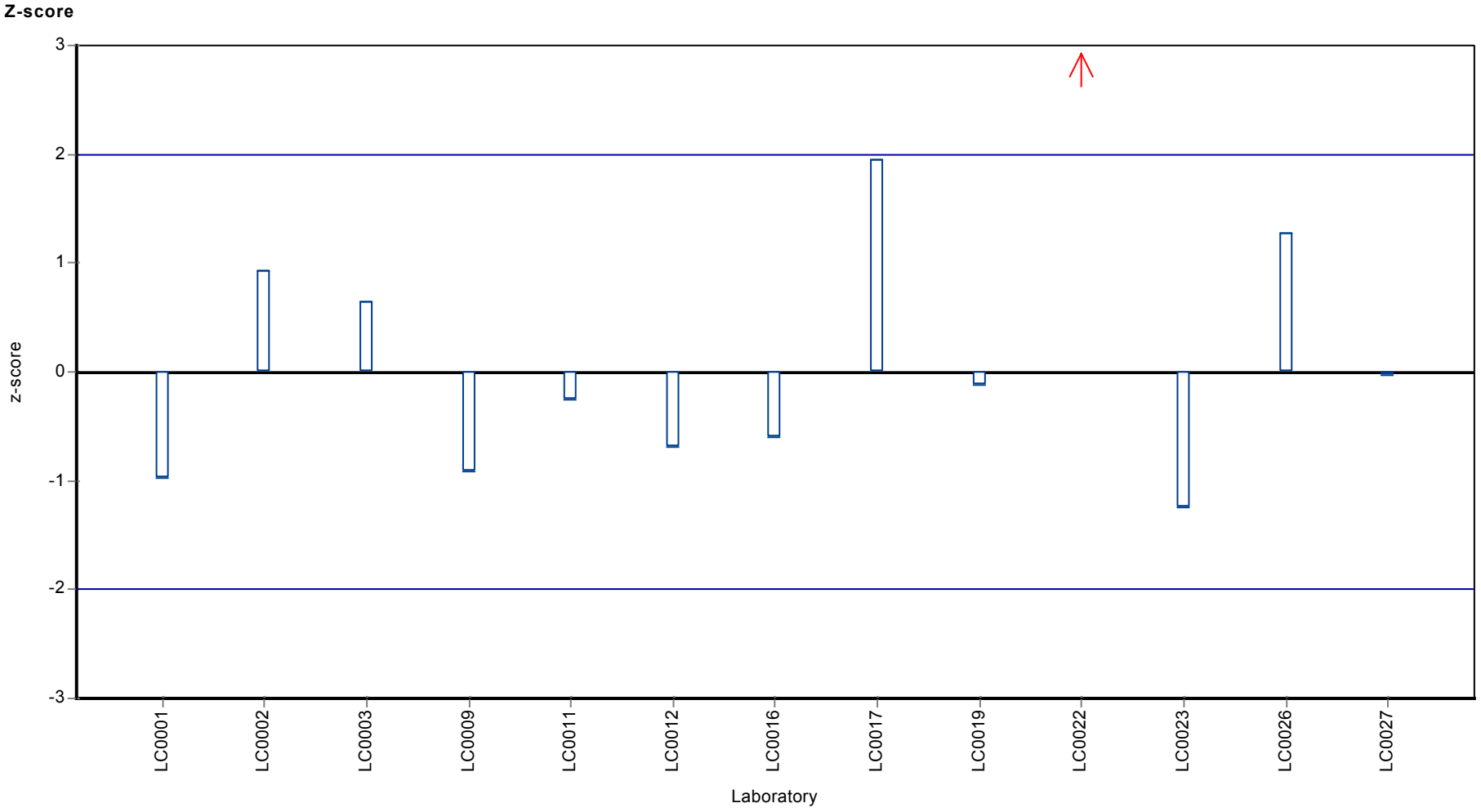
Graphical presentation of results

Results



Recovery rate




Z-score
3
2
1
0
-1
-2
-3
z-score
LC0001
LC0002
LC0003
LC0009
LC0011
LC0012
LC0016
LC0017
LC0019
LC0022
LC0023
LC0026
LC0027
Laboratory

Parameter oriented report

H95 A

Metolachlor OA

Unit	µg/l
Mean ± CI (99%)	0.282 ± 0.0314
Minimum - Maximum	0.239 - 0.327
Control test value ± U	0.293 ± 0.0322

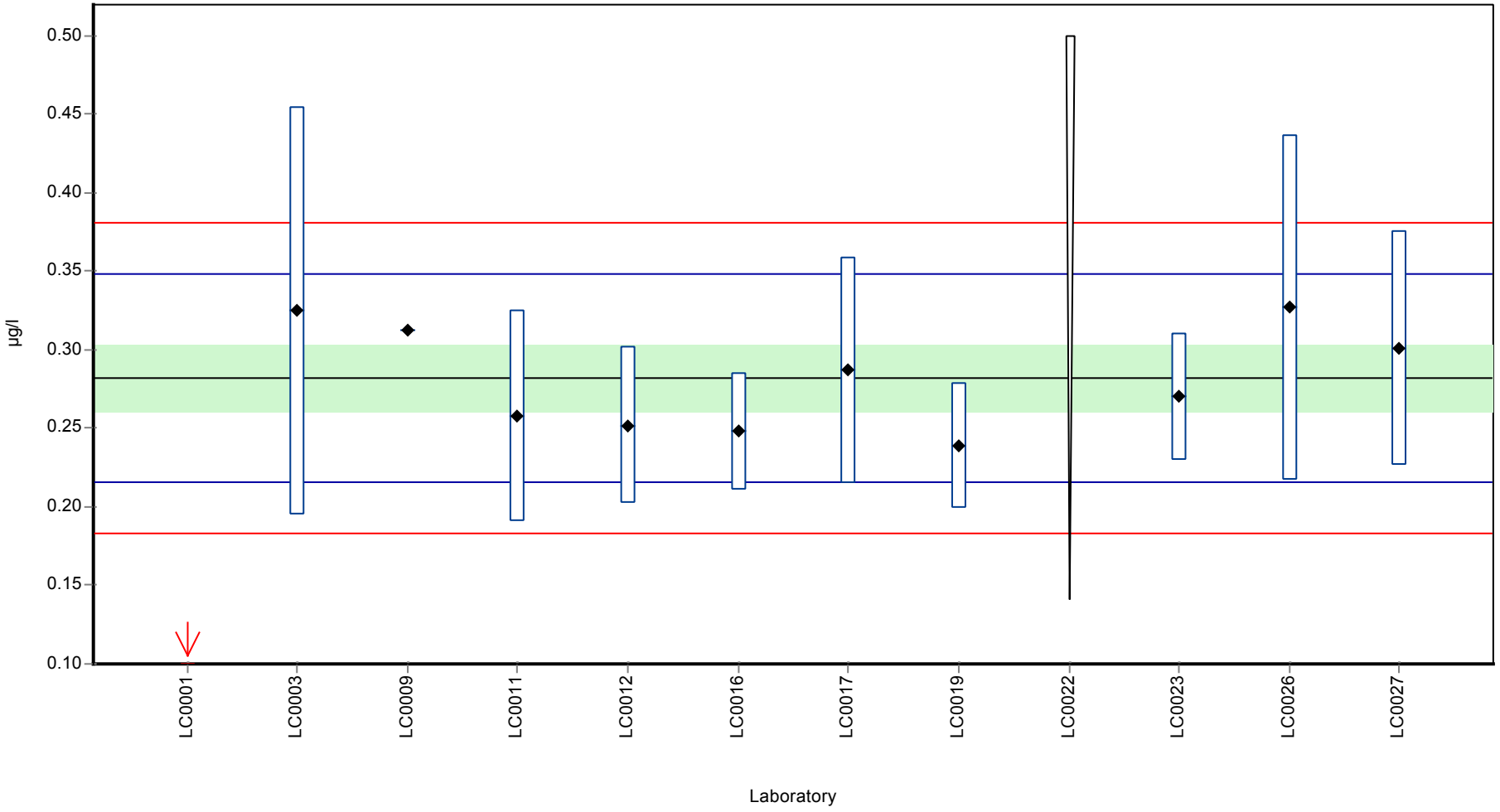
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.0912	0.0088	32.3	-5.77	H
LC0002	-	-	-	-	
LC0003	0.325	0.13	115	1.3	
LC0004	-	-	-	-	
LC0005	-	-	-	-	
LC0006	-	-	-	-	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	0.313	-	111	0.94	
LC0010	-	-	-	-	
LC0011	0.258	0.067	91.5	-0.73	
LC0012	0.252	0.05	89.4	-0.91	
LC0013	-	-	-	-	
LC0014	-	-	-	-	
LC0015	-	-	-	-	
LC0016	0.248	0.037	87.9	-1.03	
LC0017	0.287	0.072	102	0.15	
LC0018	-	-	-	-	
LC0019	0.239	0.04	84.8	-1.3	
LC0020	-	-	-	-	
LC0021	-	-	-	-	
LC0022	< 0.5 (LOQ)	-	-	-	
LC0023	0.27	0.041	95.7	-0.36	
LC0024	-	-	-	-	
LC0025	-	-	-	-	
LC0026	0.327	0.11	116	1.36	
LC0027	0.301	0.075	107	0.57	

Characteristics of parameter

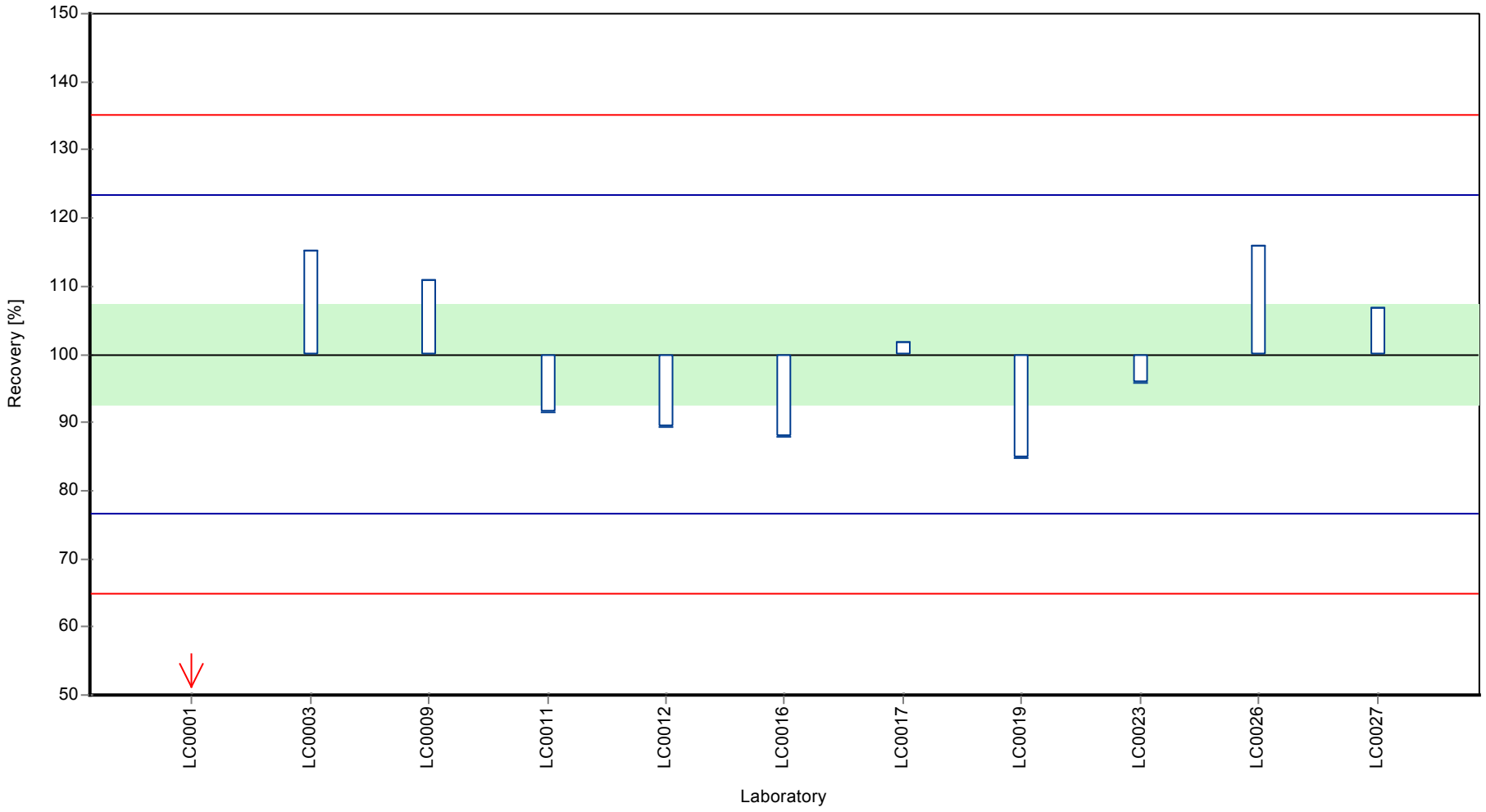
	all results	without outliers	Unit
Mean ± CI (99%)	0.265 ± 0.0593	0.282 ± 0.0314	µg/l
Minimum	0.0912	0.239	µg/l
Maximum	0.327	0.327	µg/l
Standard deviation	0.0655	0.0331	µg/l
rel. Standard deviation	24.8	11.7	%
n	11	10	-

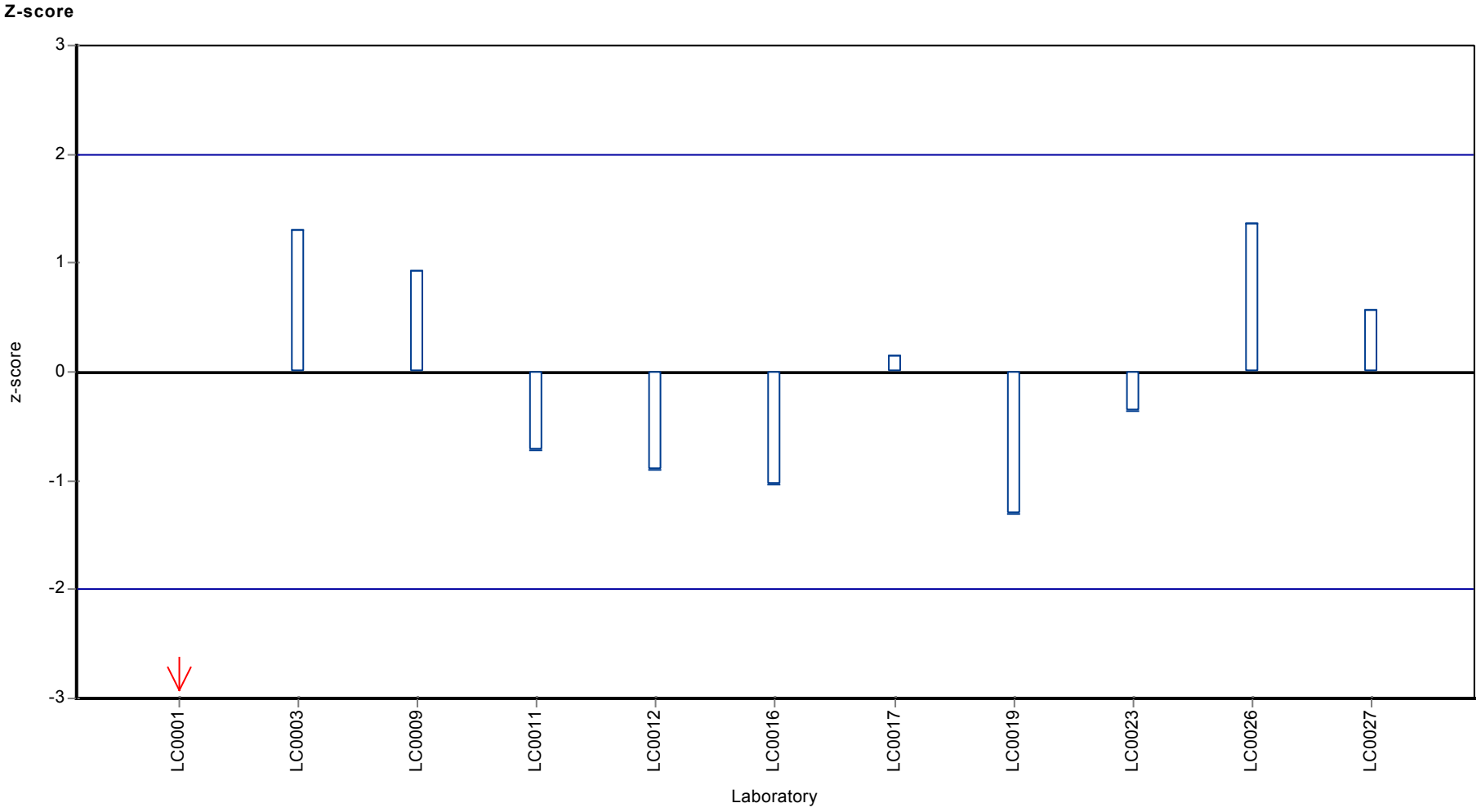
Graphical presentation of results

Results



Recovery rate




Z-score
3
2
1
0
-1
-2
-3
z-score
LC0001
LC0003
LC0009
LC0011
LC0012
LC0016
LC0017
LC0019
LC0023
LC0026
LC0027
Laboratory

Parameter oriented report

H95 B

Metolachlor OA

Unit	µg/l
Mean ± CI (99%)	0.542 ± 0.0718
Minimum - Maximum	0.44 - 0.69
Control test value ± U	0.497 ± 0.0465

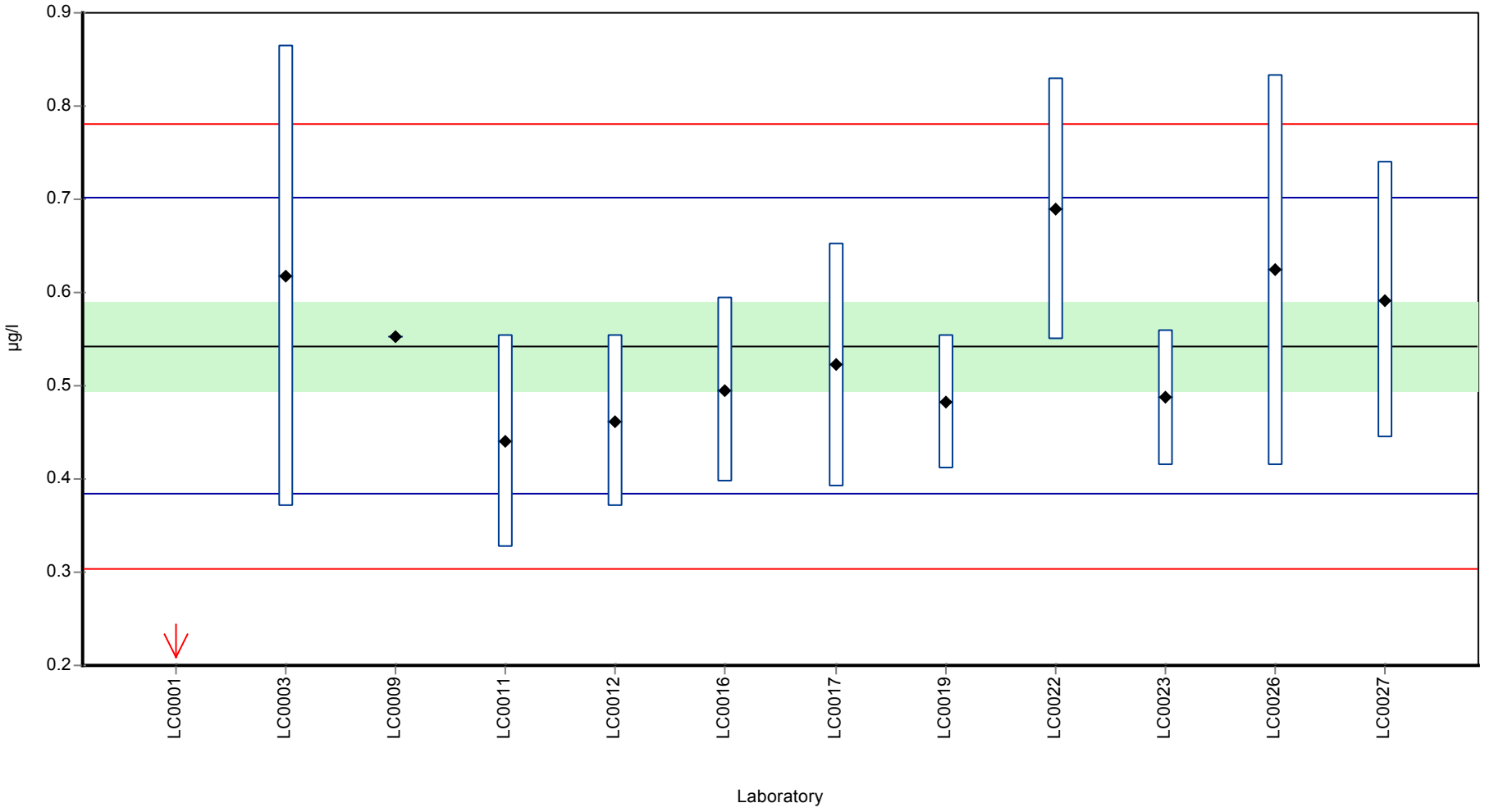
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.0066	0.0009	1.2	-6.75	H
LC0002	-	-	-	-	
LC0003	0.618	0.247	114	0.95	
LC0004	-	-	-	-	
LC0005	-	-	-	-	
LC0006	-	-	-	-	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	0.552	-	102	0.12	
LC0010	-	-	-	-	
LC0011	0.44	0.114	81.2	-1.29	
LC0012	0.462	0.092	85.2	-1.01	
LC0013	-	-	-	-	
LC0014	-	-	-	-	
LC0015	-	-	-	-	
LC0016	0.495	0.099	91.3	-0.59	
LC0017	0.522	0.131	96.3	-0.25	
LC0018	-	-	-	-	
LC0019	0.482	0.072	88.9	-0.76	
LC0020	-	-	-	-	
LC0021	-	-	-	-	
LC0022	0.69	0.14	127	1.86	
LC0023	0.487	0.073	89.8	-0.69	
LC0024	-	-	-	-	
LC0025	-	-	-	-	
LC0026	0.624	0.21	115	1.03	
LC0027	0.592	0.148	109	0.63	

Characteristics of parameter

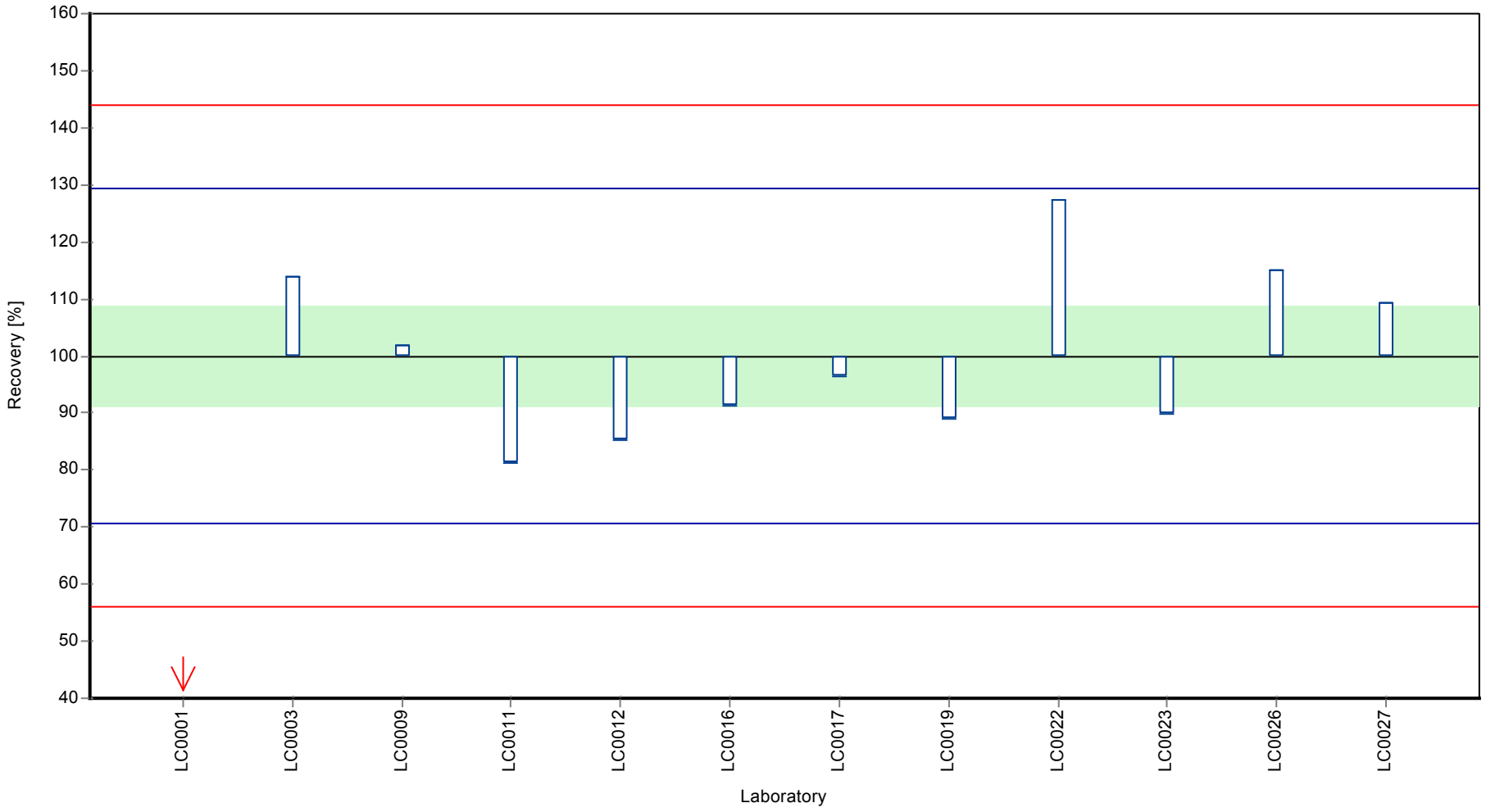
	all results	without outliers	Unit
Mean ± CI (99%)	0.498 ± 0.149	0.542 ± 0.0718	µg/l
Minimum	0.0066	0.44	µg/l
Maximum	0.69	0.69	µg/l
Standard deviation	0.172	0.0794	µg/l
rel. Standard deviation	34.6	14.6	%
n	12	11	-

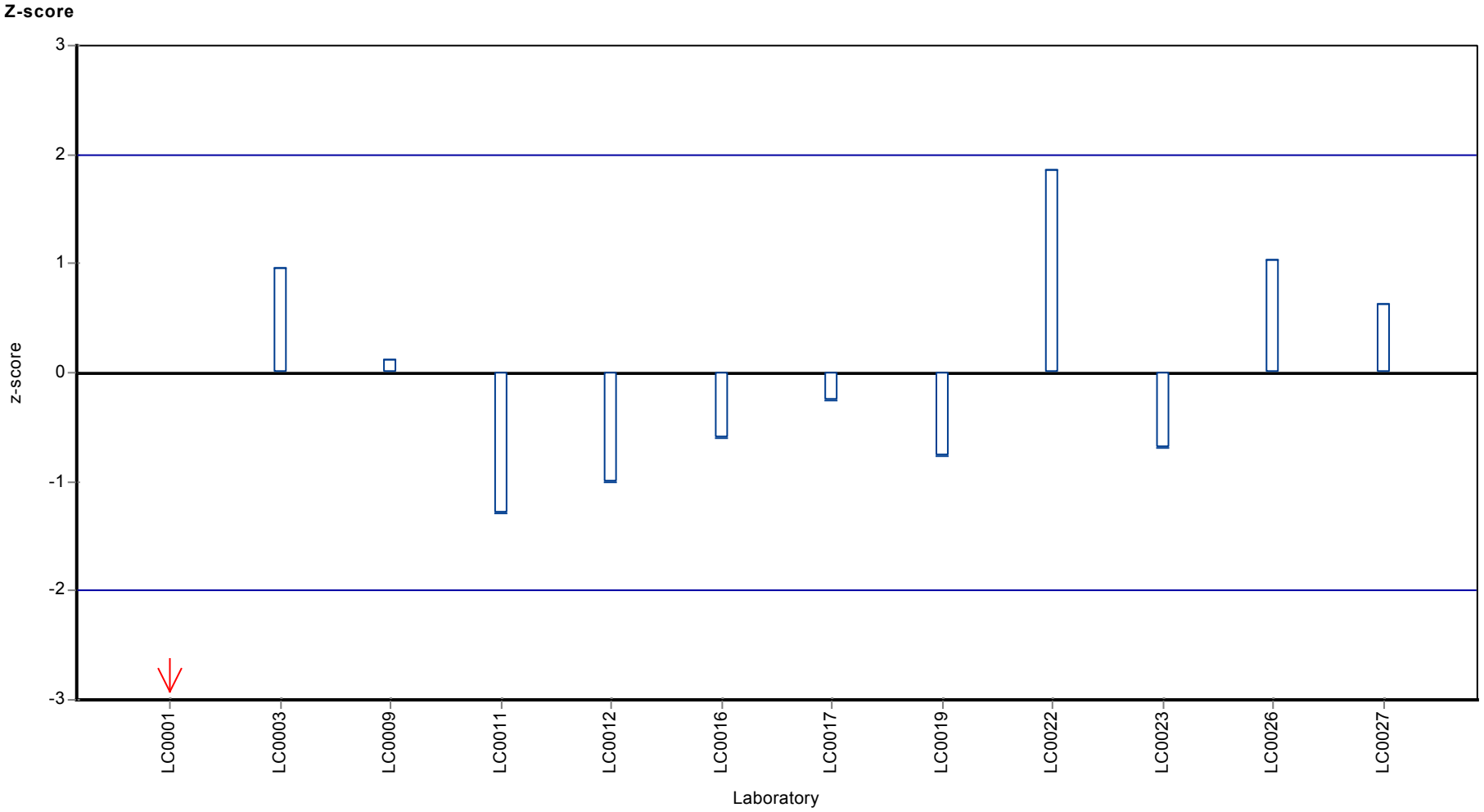
Graphical presentation of results

Results



Recovery rate




Z-score
3
2
1
0
-1
-2
-3
z-score
LC0001
LC0003
LC0009
LC0011
LC0012
LC0016
LC0017
LC0019
LC0022
LC0023
LC0026
LC0027
Laboratory

8 Laboratory oriented report

The laboratory oriented report is sorted by laboratory code.

The following results were achieved:

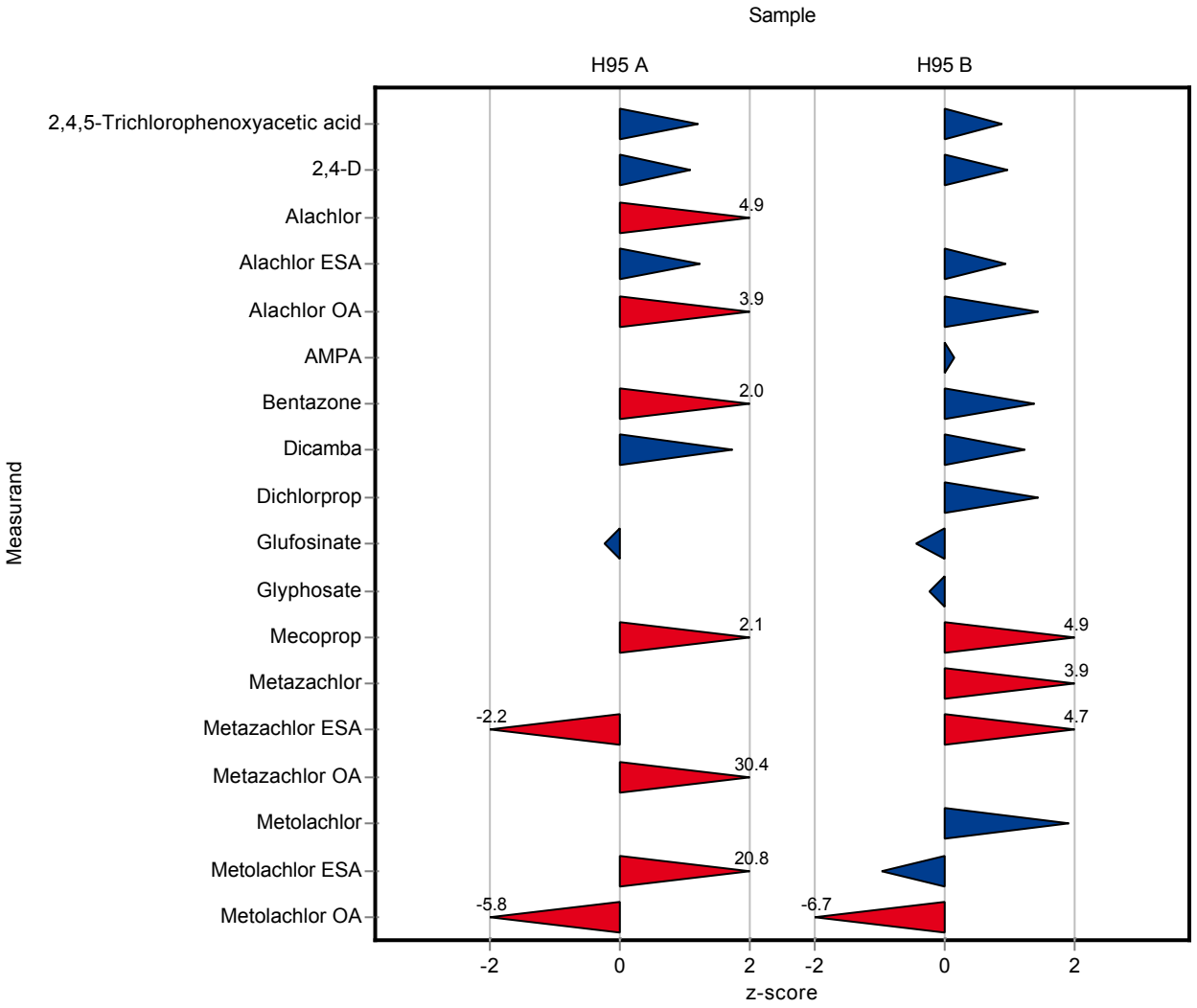
Sample: H95A

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
2,4,5-Trichlorophenoxyacetic acid	µg/l	0.718	± 0.156	0.9435	0.0855	0.187	131	1.2
2,4-D	µg/l	0.571	± 0.0809	0.6879	0.0374	0.108	120	1.08
Alachlor	µg/l	0.601	± 0.0443	0.8705	0.0635	0.0553	145	4.88
Alachlor ESA	µg/l	0.494	± 0.108	0.6022	0.0515	0.0881	122	1.23
Alachlor OA	µg/l	0.465	± 0.0383	0.5853	0.0572	0.0313	126	3.85
AMPA	µg/l	0.156	± 0.0221	<0.2 (LOQ)	-	0.0195	-	-
Bentazone	µg/l	0.303	± 0.0581	0.4708	0.032	0.0821	156	2.05
Dicamba	µg/l	0.362	± 0.0657	0.4937	0.0446	0.0758	137	1.74
Dichlorprop	µg/l	-	± -	<0.01 (LOQ)	-	-	-	-
Glufosinate	µg/l	0.412	± 0.0135	0.409	0.014	0.011	99.4	-0.24
Glyphosate	µg/l	-	± -	<0.2 (LOQ)	-	-	-	-
Mecoprop	µg/l	0.237	± 0.0292	0.3202	0.016	0.0389	135	2.13
Metazachlor	µg/l	-	± -	<0.01 (LOQ)	-	-	-	-
Metazachlor ESA	µg/l	0.672	± 0.182	0.2523	0.0249	0.192	37.6	-2.19
Metazachlor OA	µg/l	0.0805	± 0.0111	0.3556	0.0258	0.00905	442	30.4
Metolachlor	µg/l	-	± -	<0.01 (LOQ)	-	-	-	-
Metolachlor ESA	µg/l	0.196	± 0.0323	0.939	0.0824	0.0357	479	20.8
Metolachlor OA	µg/l	0.282	± 0.0314	0.0912	0.0088	0.0331	32.3	-5.77

Sample: H95B

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
2,4,5-Trichlorophenoxyacetic acid	µg/l	0.34	± 0.0704	0.4128	0.0446	0.0846	121	0.86
2,4-D	µg/l	0.311	± 0.0291	0.3469	0.0323	0.0376	111	0.95
Alachlor	µg/l	-	± -	<0.01 (LOQ)	-	-	-	-
Alachlor ESA	µg/l	0.836	± 0.19	0.9788	0.0287	0.155	117	0.92
Alachlor OA	µg/l	0.641	± 0.115	0.7967	0.094	0.109	124	1.44
AMPA	µg/l	0.924	± 0.137	0.942	0.076	0.137	102	0.13
Bentazone	µg/l	0.501	± 0.061	0.6128	0.0973	0.0813	122	1.37
Dicamba	µg/l	0.292	± 0.06	0.3758	0.0389	0.0693	129	1.22
Dichlorprop	µg/l	0.821	± 0.0943	1.0023	0.0351	0.126	122	1.44
Glufosinate	µg/l	0.349	± 0.101	0.304	0.081	0.101	87.1	-0.45
Glyphosate	µg/l	0.544	± 0.177	0.503	0.052	0.177	92.5	-0.23
Mecoprop	µg/l	0.391	± 0.0319	0.5937	0.026	0.0412	152	4.92
Metazachlor	µg/l	0.65	± 0.0424	0.8801	0.0406	0.0583	135	3.95
Metazachlor ESA	µg/l	0.201	± 0.0327	0.3556	0.0301	0.0327	177	4.74

Parameter	Unit	Target	±	CI(99%)	Result	± U	Criteria	Recovery	z-score
Metazachlor OA	µg/l	-	±	-	0.6634	0.0453	-	-	-
Metolachlor	µg/l	0.193	±	0.0188	0.2435	0.019	0.0266	126	1.89
Metolachlor ESA	µg/l	0.28	±	0.0305	0.2459	0.0445	0.0352	87.8	-0.97
Metolachlor OA	µg/l	0.542	±	0.0718	0.0066	0.0009	0.0794	1.2	-6.75


Sample
H95 A
H95 B
Measurand
2,4,5-Trichlorophenoxyacetic acid
2,4-D
Alachlor
Alachlor ESA
Alachlor OA
AMPA
Bentazone
Dicamba
Dichlorprop
Glufosinate
Glyphosate
Mecoprop
Metazachlor
Metazachlor ESA
Metazachlor OA
Metolachlor
Metolachlor ESA
Metolachlor OA
4.9
3.9
2.0
2.1
4.9
3.9
-2.2
4.7
30.4
20.8
-5.8
-6.7
-2
0
2
z-score

The following results were achieved:

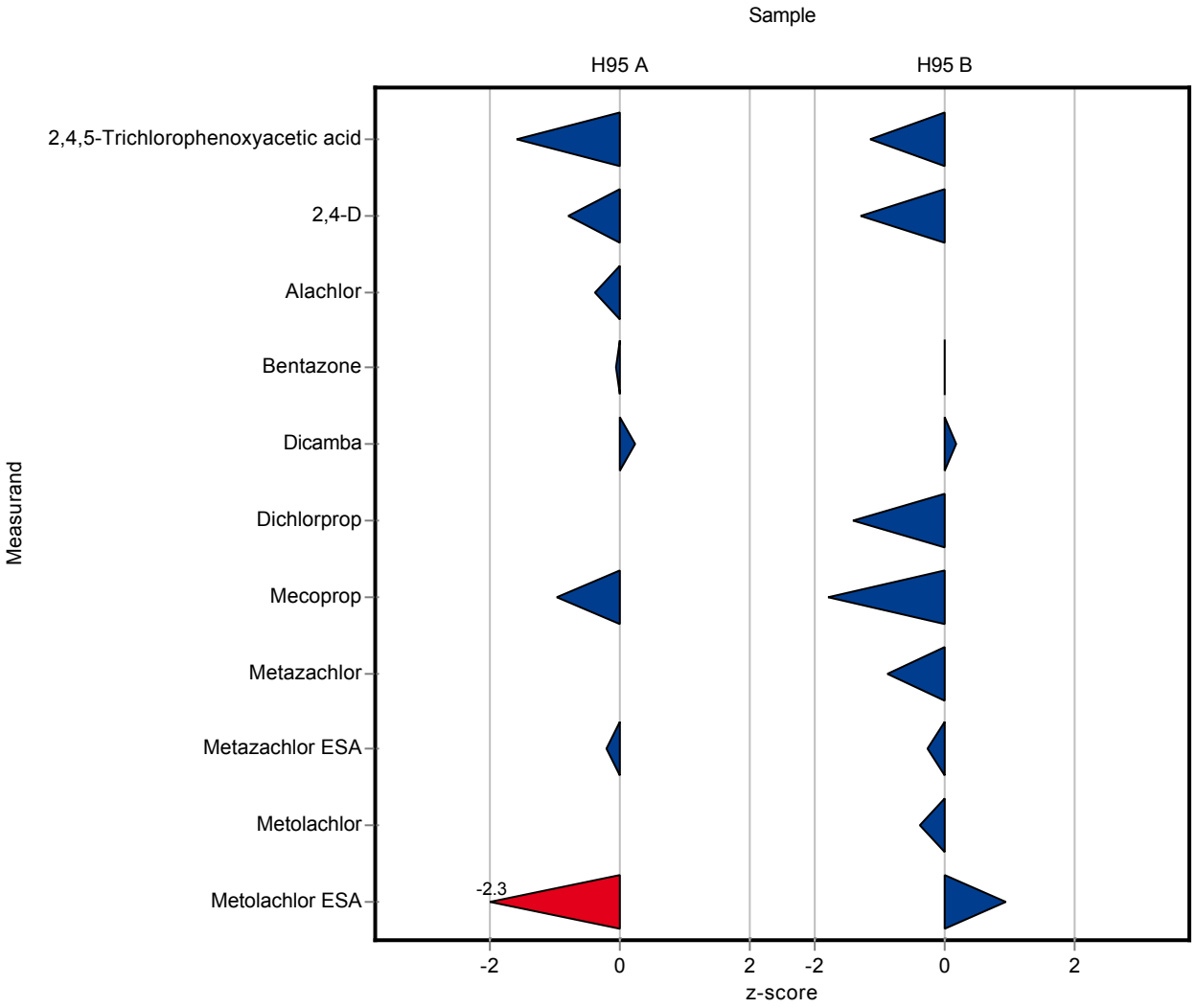
Sample: H95A

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
2,4,5-Trichlorophenoxyacetic acid	µg/l	0.718	± 0.156	0.423	0.127	0.187	58.9	-1.58
2,4-D	µg/l	0.571	± 0.0809	0.485	0.121	0.108	84.9	-0.8
Alachlor	µg/l	0.601	± 0.0443	0.58	0.116	0.0553	96.5	-0.38
Alachlor ESA	µg/l	0.494	± 0.108	-	-	0.0881	-	-
Alachlor OA	µg/l	0.465	± 0.0383	-	-	0.0313	-	-
AMPA	µg/l	0.156	± 0.0221	-	-	0.0195	-	-
Bentazone	µg/l	0.303	± 0.0581	0.299	0.06	0.0821	98.8	-0.04
Dicamba	µg/l	0.362	± 0.0657	0.379	0.076	0.0758	105	0.23
Dichlorprop	µg/l	-	± -	<0.05 (LOQ)	-	-	-	-
Glufosinate	µg/l	0.412	± 0.0135	-	-	0.011	-	-
Glyphosate	µg/l	-	± -	-	-	-	-	-
Mecoprop	µg/l	0.237	± 0.0292	0.2	0.04	0.0389	84.3	-0.95
Metazachlor	µg/l	-	± -	<0.05 (LOQ)	-	-	-	-
Metazachlor ESA	µg/l	0.672	± 0.182	0.635	0.127	0.192	94.5	-0.19
Metazachlor OA	µg/l	0.0805	± 0.0111	<0.1 (LOQ)	-	0.00905	-	-
Metolachlor	µg/l	-	± -	<0.05 (LOQ)	-	-	-	-
Metolachlor ESA	µg/l	0.196	± 0.0323	0.113	0.023	0.0357	57.6	-2.33
Metolachlor OA	µg/l	0.282	± 0.0314	-	-	0.0331	-	-

Sample: H95B

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
2,4,5-Trichlorophenoxyacetic acid	µg/l	0.34	± 0.0704	0.242	0.073	0.0846	71.2	-1.16
2,4-D	µg/l	0.311	± 0.0291	0.262	0.065	0.0376	84.2	-1.31
Alachlor	µg/l	-	± -	<0.05 (LOQ)	-	-	-	-
Alachlor ESA	µg/l	0.836	± 0.19	-	-	0.155	-	-
Alachlor OA	µg/l	0.641	± 0.115	-	-	0.109	-	-
AMPA	µg/l	0.924	± 0.137	-	-	0.137	-	-
Bentazone	µg/l	0.501	± 0.061	0.5	0.1	0.0813	99.7	-0.02
Dicamba	µg/l	0.292	± 0.06	0.304	0.061	0.0693	104	0.18
Dichlorprop	µg/l	0.821	± 0.0943	0.644	0.129	0.126	78.5	-1.4
Glufosinate	µg/l	0.349	± 0.101	-	-	0.101	-	-
Glyphosate	µg/l	0.544	± 0.177	-	-	0.177	-	-
Mecoprop	µg/l	0.391	± 0.0319	0.317	0.063	0.0412	81.1	-1.79
Metazachlor	µg/l	0.65	± 0.0424	0.598	0.12	0.0583	92	-0.89
Metazachlor ESA	µg/l	0.201	± 0.0327	0.192	0.038	0.0327	95.7	-0.27

Parameter	Unit	Target	±	CI(99%)	Result	± U	Criteria	Recovery	z-score
Metazachlor OA	µg/l	-	±	-	<0.1 (LOQ)	-	-	-	-
Metolachlor	µg/l	0.193	±	0.0188	0.183	0.037	0.0266	94.7	-0.39
Metolachlor ESA	µg/l	0.28	±	0.0305	0.313	0.063	0.0352	112	0.94
Metolachlor OA	µg/l	0.542	±	0.0718	-	-	0.0794	-	-


Sample
H95 A
H95 B
2,4,5-Trichlorophenoxyacetic acid
2,4-D
Alachlor
Bentazone
Dicamba
Dichlorprop
Mecoprop
Metazachlor
Metazachlor ESA
Metolachlor
Metolachlor ESA
-2.3
Measurand
-2
0
2
-2
0
2
z-score

The following results were achieved:

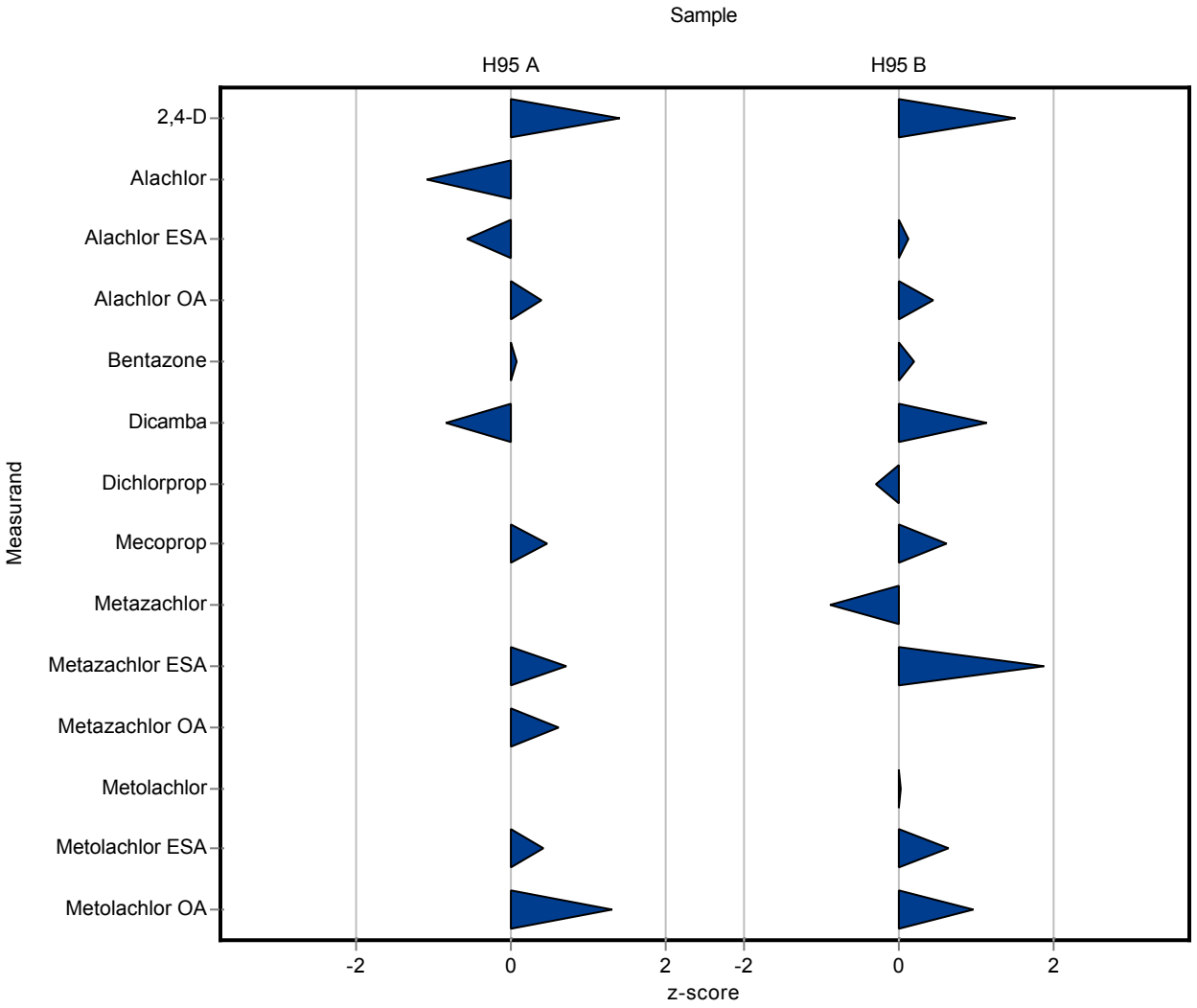
Sample: H95A

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
2,4,5-Trichlorophenoxyacetic acid	µg/l	0.718	± 0.156	-	-	0.187	-	-
2,4-D	µg/l	0.571	± 0.0809	0.722	0.217	0.108	126	1.4
Alachlor	µg/l	0.601	± 0.0443	0.541	0.135	0.0553	90	-1.08
Alachlor ESA	µg/l	0.494	± 0.108	0.443	0.131	0.0881	89.7	-0.58
Alachlor OA	µg/l	0.465	± 0.0383	0.477	0.191	0.0313	103	0.39
AMPA	µg/l	0.156	± 0.0221	-	-	0.0195	-	-
Bentazone	µg/l	0.303	± 0.0581	0.308	0.092	0.0821	102	0.07
Dicamba	µg/l	0.362	± 0.0657	0.298	0.119	0.0758	82.4	-0.84
Dichlorprop	µg/l	-	± -	<0.005 (LOD)	-	-	-	-
Glufosinate	µg/l	0.412	± 0.0135	-	-	0.011	-	-
Glyphosate	µg/l	-	± -	-	-	-	-	-
Mecoprop	µg/l	0.237	± 0.0292	0.255	0.102	0.0389	108	0.46
Metazachlor	µg/l	-	± -	<0.005 (LOD)	-	-	-	-
Metazachlor ESA	µg/l	0.672	± 0.182	0.806	0.282	0.192	120	0.7
Metazachlor OA	µg/l	0.0805	± 0.0111	0.086	0.022	0.00905	107	0.61
Metolachlor	µg/l	-	± -	<0.005 (LOD)	-	-	-	-
Metolachlor ESA	µg/l	0.196	± 0.0323	0.211	0.063	0.0357	108	0.42
Metolachlor OA	µg/l	0.282	± 0.0314	0.325	0.13	0.0331	115	1.3

Sample: H95B

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
2,4,5-Trichlorophenoxyacetic acid	µg/l	0.34	± 0.0704	-	-	0.0846	-	-
2,4-D	µg/l	0.311	± 0.0291	0.368	0.11	0.0376	118	1.51
Alachlor	µg/l	-	± -	<0.005 (LOD)	-	-	-	-
Alachlor ESA	µg/l	0.836	± 0.19	0.857	0.257	0.155	103	0.14
Alachlor OA	µg/l	0.641	± 0.115	0.688	0.275	0.109	107	0.43
AMPA	µg/l	0.924	± 0.137	-	-	0.137	-	-
Bentazone	µg/l	0.501	± 0.061	0.518	0.155	0.0813	103	0.21
Dicamba	µg/l	0.292	± 0.06	0.37	0.148	0.0693	127	1.13
Dichlorprop	µg/l	0.821	± 0.0943	0.784	0.235	0.126	95.5	-0.29
Glufosinate	µg/l	0.349	± 0.101	-	-	0.101	-	-
Glyphosate	µg/l	0.544	± 0.177	-	-	0.177	-	-
Mecoprop	µg/l	0.391	± 0.0319	0.416	0.166	0.0412	106	0.61
Metazachlor	µg/l	0.65	± 0.0424	0.598	0.09	0.0583	92	-0.89
Metazachlor ESA	µg/l	0.201	± 0.0327	0.262	0.092	0.0327	131	1.88

Parameter	Unit	Target	±	CI(99%)	Result	± U	Criteria	Recovery	z-score
Metazachlor OA	µg/l	-	±	-	<0.01 (LOQ)	-	-	-	-
Metolachlor	µg/l	0.193	±	0.0188	0.194	0.049	0.0266	100	0.03
Metolachlor ESA	µg/l	0.28	±	0.0305	0.303	0.091	0.0352	108	0.65
Metolachlor OA	µg/l	0.542	±	0.0718	0.618	0.247	0.0794	114	0.95


Sample
H95 A
H95 B
2,4-D
Alachlor
Alachlor ESA
Alachlor OA
Bentazone
Dicamba
Dichlorprop
Mecoprop
Metazachlor
Metazachlor ESA
Metazachlor OA
Metolachlor
Metolachlor ESA
Metolachlor OA
Measurand
-2
0
2
-2
0
2
z-score

The following results were achieved:

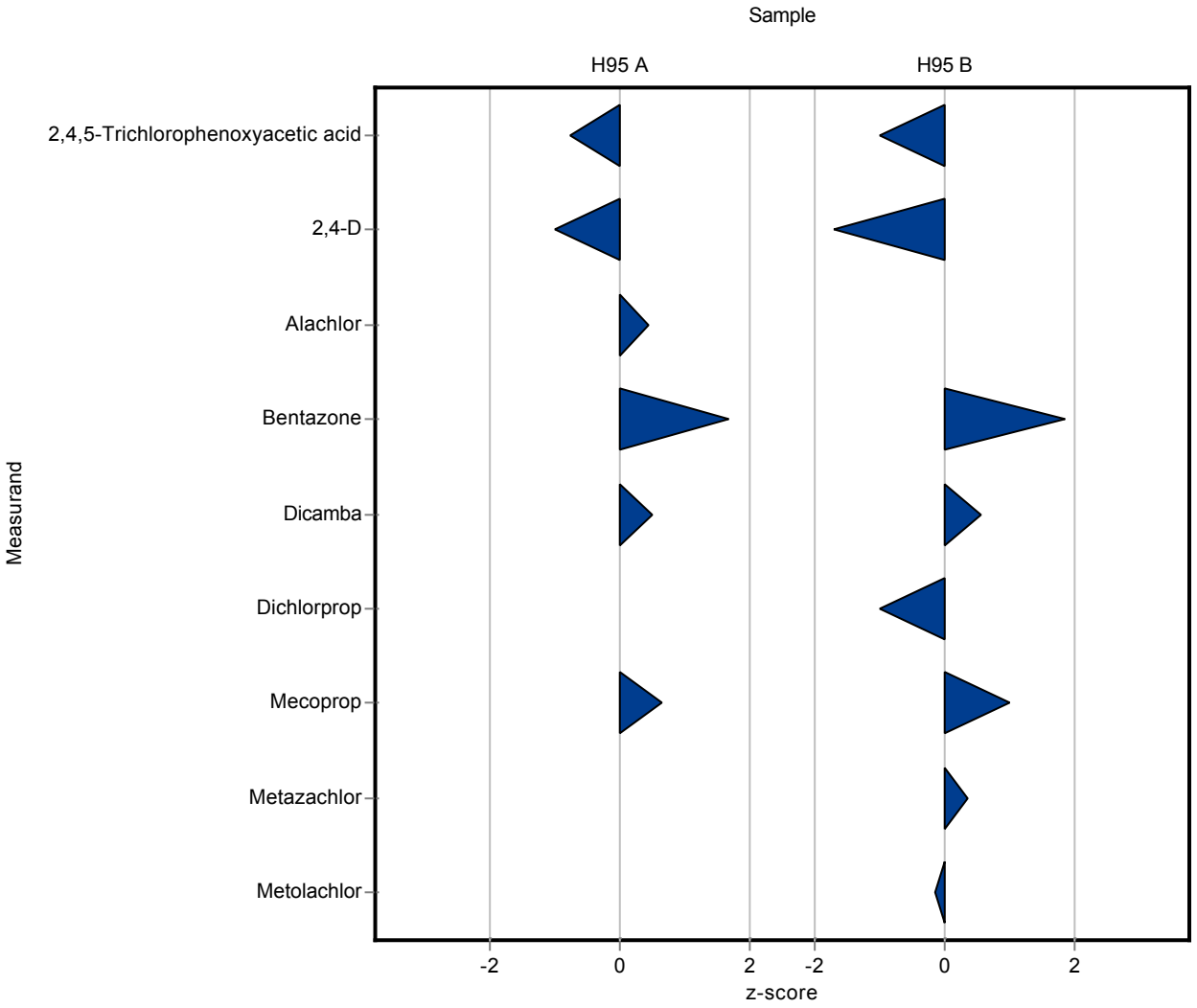
Sample: H95A

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
2,4,5-Trichlorophenoxyacetic acid	µg/l	0.718	± 0.156	0.574	0.0861	0.187	79.9	-0.77
2,4-D	µg/l	0.571	± 0.0809	0.463	0.69	0.108	81	-1
Alachlor	µg/l	0.601	± 0.0443	0.626	0.093	0.0553	104	0.46
Alachlor ESA	µg/l	0.494	± 0.108	-	-	0.0881	-	-
Alachlor OA	µg/l	0.465	± 0.0383	-	-	0.0313	-	-
AMPA	µg/l	0.156	± 0.0221	-	-	0.0195	-	-
Bentazone	µg/l	0.303	± 0.0581	0.441	0.066	0.0821	146	1.69
Dicamba	µg/l	0.362	± 0.0657	0.4	0.6	0.0758	111	0.51
Dichlorprop	µg/l	-	± -	<0.03 (LOQ)	-	-	-	-
Glufosinate	µg/l	0.412	± 0.0135	-	-	0.011	-	-
Glyphosate	µg/l	-	± -	-	-	-	-	-
Mecoprop	µg/l	0.237	± 0.0292	0.263	0.039	0.0389	111	0.66
Metazachlor	µg/l	-	± -	<0.03 (LOQ)	-	-	-	-
Metazachlor ESA	µg/l	0.672	± 0.182	-	-	0.192	-	-
Metazachlor OA	µg/l	0.0805	± 0.0111	-	-	0.00905	-	-
Metolachlor	µg/l	-	± -	<0.03 (LOQ)	-	-	-	-
Metolachlor ESA	µg/l	0.196	± 0.0323	-	-	0.0357	-	-
Metolachlor OA	µg/l	0.282	± 0.0314	-	-	0.0331	-	-

Sample: H95B

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
2,4,5-Trichlorophenoxyacetic acid	µg/l	0.34	± 0.0704	0.254	0.031	0.0846	74.7	-1.02
2,4-D	µg/l	0.311	± 0.0291	0.247	0.037	0.0376	79.4	-1.71
Alachlor	µg/l	-	± -	<0.03 (LOQ)	-	-	-	-
Alachlor ESA	µg/l	0.836	± 0.19	-	-	0.155	-	-
Alachlor OA	µg/l	0.641	± 0.115	-	-	0.109	-	-
AMPA	µg/l	0.924	± 0.137	-	-	0.137	-	-
Bentazone	µg/l	0.501	± 0.061	0.651	0.097	0.0813	130	1.84
Dicamba	µg/l	0.292	± 0.06	0.329	0.05	0.0693	113	0.54
Dichlorprop	µg/l	0.821	± 0.0943	0.693	0.103	0.126	84.4	-1.02
Glufosinate	µg/l	0.349	± 0.101	-	-	0.101	-	-
Glyphosate	µg/l	0.544	± 0.177	-	-	0.177	-	-
Mecoprop	µg/l	0.391	± 0.0319	0.432	0.065	0.0412	111	1
Metazachlor	µg/l	0.65	± 0.0424	0.67	0.1	0.0583	103	0.34
Metazachlor ESA	µg/l	0.201	± 0.0327	-	-	0.0327	-	-

Parameter	Unit	Target	±	CI(99%)	Result	± U	Criteria	Recovery	z-score
Metazachlor OA	µg/l	-	±	-	-	-	-	-	-
Metolachlor	µg/l	0.193	±	0.0188	0.189	0.028	0.0266	97.8	-0.16
Metolachlor ESA	µg/l	0.28	±	0.0305	-	-	0.0352	-	-
Metolachlor OA	µg/l	0.542	±	0.0718	-	-	0.0794	-	-


Sample
H95 A
H95 B
2,4,5-Trichlorophenoxyacetic acid
2,4-D
Alachlor
Bentazone
Dicamba
Dichlorprop
Mecoprop
Metazachlor
Metolachlor
Measurand
-2
0
2
-2
0
2
z-score

The following results were achieved:

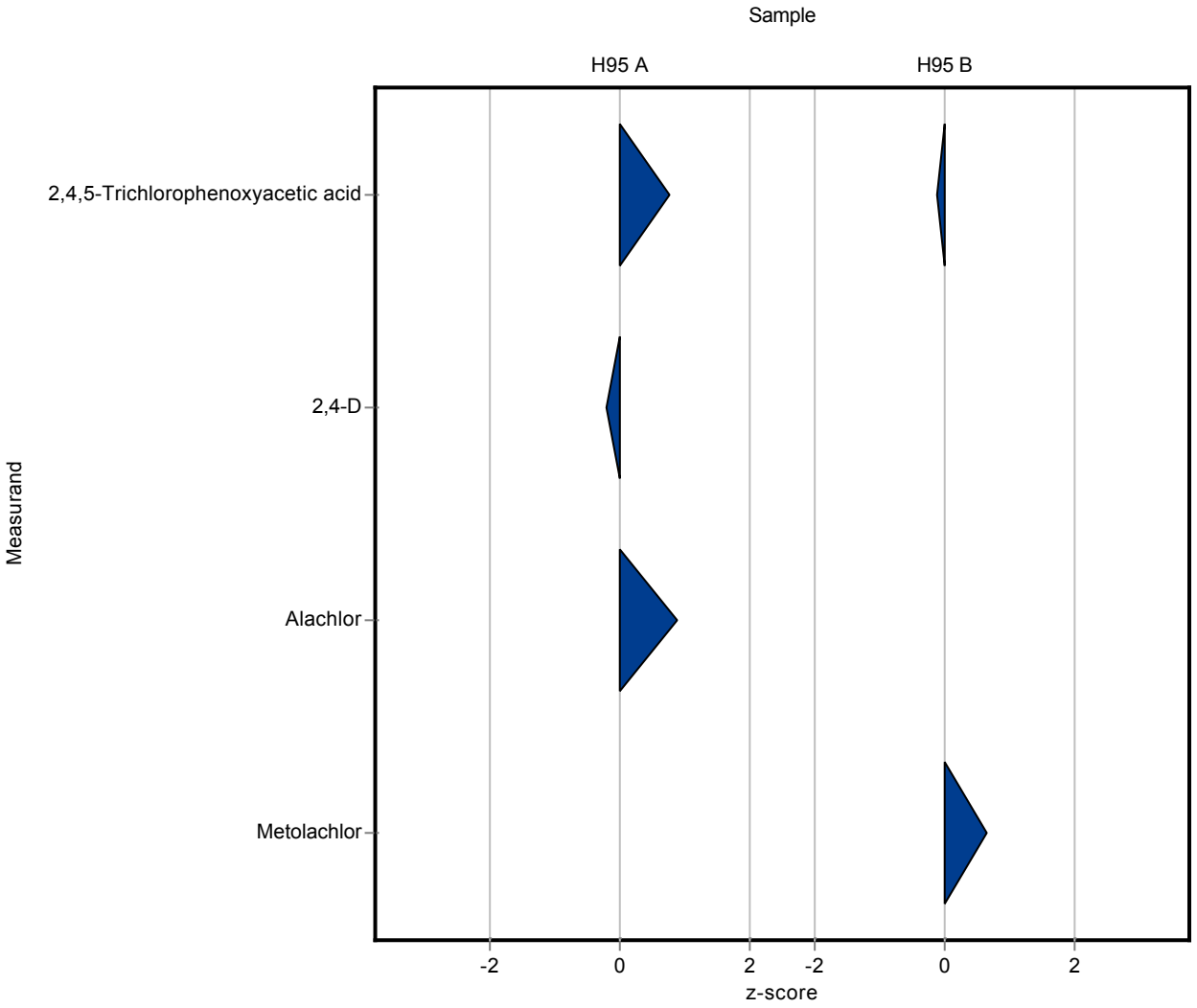
Sample: H95A

Parameter	Unit	Target	±	CI(99%)	Result	± U	Criteria	Recovery	z-score
2,4,5-Trichlorophenoxyacetic acid	µg/l	0.718	±	0.156	0.86	0.26	0.187	120	0.76
2,4-D	µg/l	0.571	±	0.0809	0.55	0.28	0.108	96.3	-0.2
Alachlor	µg/l	0.601	±	0.0443	0.65	0.2	0.0553	108	0.89
Alachlor ESA	µg/l	0.494	±	0.108	-	-	0.0881	-	-
Alachlor OA	µg/l	0.465	±	0.0383	-	-	0.0313	-	-
AMPA	µg/l	0.156	±	0.0221	-	-	0.0195	-	-
Bentazone	µg/l	0.303	±	0.0581	-	-	0.0821	-	-
Dicamba	µg/l	0.362	±	0.0657	-	-	0.0758	-	-
Dichlorprop	µg/l	-	±	-	-	-	-	-	-
Glufosinate	µg/l	0.412	±	0.0135	-	-	0.011	-	-
Glyphosate	µg/l	-	±	-	-	-	-	-	-
Mecoprop	µg/l	0.237	±	0.0292	-	-	0.0389	-	-
Metazachlor	µg/l	-	±	-	-	-	-	-	-
Metazachlor ESA	µg/l	0.672	±	0.182	-	-	0.192	-	-
Metazachlor OA	µg/l	0.0805	±	0.0111	-	-	0.00905	-	-
Metolachlor	µg/l	-	±	-	<0.05 (LOQ)	-	-	-	-
Metolachlor ESA	µg/l	0.196	±	0.0323	-	-	0.0357	-	-
Metolachlor OA	µg/l	0.282	±	0.0314	-	-	0.0331	-	-

Sample: H95B

Parameter	Unit	Target	±	CI(99%)	Result	± U	Criteria	Recovery	z-score
2,4,5-Trichlorophenoxyacetic acid	µg/l	0.34	±	0.0704	0.33	0.16	0.0846	97.1	-0.12
2,4-D	µg/l	0.311	±	0.0291	<0.5 (LOQ)	-	0.0376	-	-
Alachlor	µg/l	-	±	-	<0.05 (LOQ)	-	-	-	-
Alachlor ESA	µg/l	0.836	±	0.19	-	-	0.155	-	-
Alachlor OA	µg/l	0.641	±	0.115	-	-	0.109	-	-
AMPA	µg/l	0.924	±	0.137	-	-	0.137	-	-
Bentazone	µg/l	0.501	±	0.061	-	-	0.0813	-	-
Dicamba	µg/l	0.292	±	0.06	-	-	0.0693	-	-
Dichlorprop	µg/l	0.821	±	0.0943	-	-	0.126	-	-
Glufosinate	µg/l	0.349	±	0.101	-	-	0.101	-	-
Glyphosate	µg/l	0.544	±	0.177	-	-	0.177	-	-
Mecoprop	µg/l	0.391	±	0.0319	-	-	0.0412	-	-
Metazachlor	µg/l	0.65	±	0.0424	-	-	0.0583	-	-
Metazachlor ESA	µg/l	0.201	±	0.0327	-	-	0.0327	-	-

Parameter	Unit	Target	±	CI(99%)	Result	± U	Criteria	Recovery	z-score
Metazachlor OA	µg/l	-	±	-	-	-	-	-	-
Metolachlor	µg/l	0.193	±	0.0188	0.21	0.06	0.0266	109	0.63
Metolachlor ESA	µg/l	0.28	±	0.0305	-	-	0.0352	-	-
Metolachlor OA	µg/l	0.542	±	0.0718	-	-	0.0794	-	-


Sample
H95 A
H95 B
2,4,5-Trichlorophenoxyacetic acid
2,4-D
Alachlor
Metolachlor
Measurand
-2
0
2
-2
0
2
z-score

The following results were achieved:

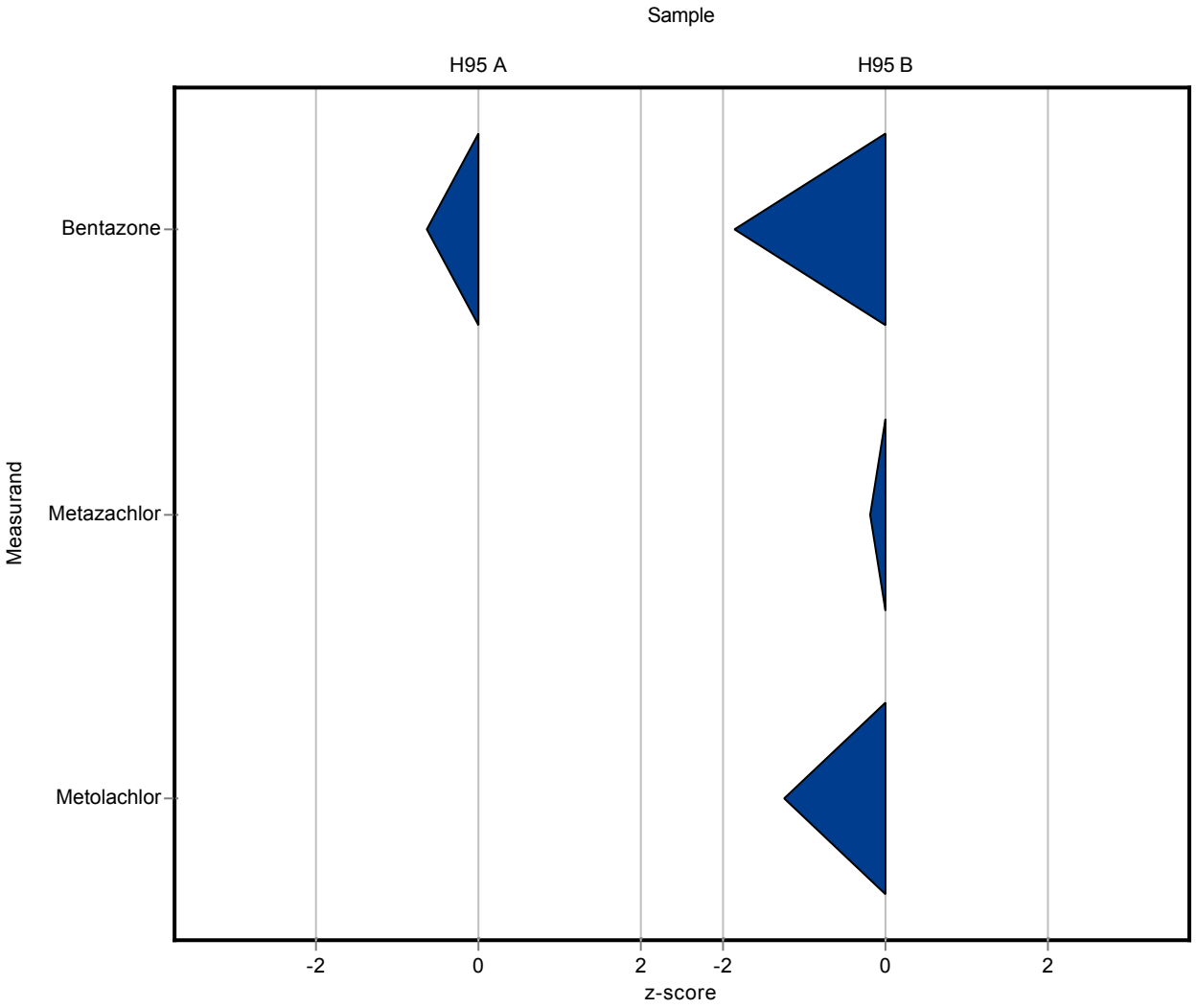
Sample: H95A

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
2,4,5-Trichlorophenoxyacetic acid	µg/l	0.718	± 0.156	-	-	0.187	-	-
2,4-D	µg/l	0.571	± 0.0809	-	-	0.108	-	-
Alachlor	µg/l	0.601	± 0.0443	-	-	0.0553	-	-
Alachlor ESA	µg/l	0.494	± 0.108	-	-	0.0881	-	-
Alachlor OA	µg/l	0.465	± 0.0383	-	-	0.0313	-	-
AMPA	µg/l	0.156	± 0.0221	-	-	0.0195	-	-
Bentazone	µg/l	0.303	± 0.0581	0.25	0.04	0.0821	82.6	-0.64
Dicamba	µg/l	0.362	± 0.0657	-	-	0.0758	-	-
Dichlorprop	µg/l	-	± -	-	-	-	-	-
Glufosinate	µg/l	0.412	± 0.0135	-	-	0.011	-	-
Glyphosate	µg/l	-	± -	-	-	-	-	-
Mecoprop	µg/l	0.237	± 0.0292	-	-	0.0389	-	-
Metazachlor	µg/l	-	± -	-	-	-	-	-
Metazachlor ESA	µg/l	0.672	± 0.182	-	-	0.192	-	-
Metazachlor OA	µg/l	0.0805	± 0.0111	-	-	0.00905	-	-
Metolachlor	µg/l	-	± -	-	-	-	-	-
Metolachlor ESA	µg/l	0.196	± 0.0323	-	-	0.0357	-	-
Metolachlor OA	µg/l	0.282	± 0.0314	-	-	0.0331	-	-

Sample: H95B

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
2,4,5-Trichlorophenoxyacetic acid	µg/l	0.34	± 0.0704	-	-	0.0846	-	-
2,4-D	µg/l	0.311	± 0.0291	-	-	0.0376	-	-
Alachlor	µg/l	-	± -	-	-	-	-	-
Alachlor ESA	µg/l	0.836	± 0.19	-	-	0.155	-	-
Alachlor OA	µg/l	0.641	± 0.115	-	-	0.109	-	-
AMPA	µg/l	0.924	± 0.137	-	-	0.137	-	-
Bentazone	µg/l	0.501	± 0.061	0.35	0.06	0.0813	69.8	-1.86
Dicamba	µg/l	0.292	± 0.06	-	-	0.0693	-	-
Dichlorprop	µg/l	0.821	± 0.0943	-	-	0.126	-	-
Glufosinate	µg/l	0.349	± 0.101	-	-	0.101	-	-
Glyphosate	µg/l	0.544	± 0.177	-	-	0.177	-	-
Mecoprop	µg/l	0.391	± 0.0319	-	-	0.0412	-	-
Metazachlor	µg/l	0.65	± 0.0424	0.64	0.08	0.0583	98.5	-0.17
Metazachlor ESA	µg/l	0.201	± 0.0327	-	-	0.0327	-	-

Parameter	Unit	Target	±	CI(99%)	Result	± U	Criteria	Recovery	z-score
Metazachlor OA	µg/l	-	±	-	-	-	-	-	-
Metolachlor	µg/l	0.193	±	0.0188	0.16	0.03	0.0266	82.8	-1.25
Metolachlor ESA	µg/l	0.28	±	0.0305	-	-	0.0352	-	-
Metolachlor OA	µg/l	0.542	±	0.0718	-	-	0.0794	-	-


Sample
H95 A
H95 B
Bentazone
Metazachlor
Metolachlor
Measurand
-2
0
2
-2
0
2
z-score

The following results were achieved:

Sample: H95A

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
2,4,5-Trichlorophenoxyacetic acid	µg/l	0.718	± 0.156	-	-	0.187	-	-
2,4-D	µg/l	0.571	± 0.0809	-	-	0.108	-	-
Alachlor	µg/l	0.601	± 0.0443	-	-	0.0553	-	-
Alachlor ESA	µg/l	0.494	± 0.108	-	-	0.0881	-	-
Alachlor OA	µg/l	0.465	± 0.0383	-	-	0.0313	-	-
AMPA	µg/l	0.156	± 0.0221	-	-	0.0195	-	-
Bentazone	µg/l	0.303	± 0.0581	-	-	0.0821	-	-
Dicamba	µg/l	0.362	± 0.0657	-	-	0.0758	-	-
Dichlorprop	µg/l	-	± -	-	-	-	-	-
Glufosinate	µg/l	0.412	± 0.0135	-	-	0.011	-	-
Glyphosate	µg/l	-	± -	-	-	-	-	-
Mecoprop	µg/l	0.237	± 0.0292	-	-	0.0389	-	-
Metazachlor	µg/l	-	± -	-	-	-	-	-
Metazachlor ESA	µg/l	0.672	± 0.182	-	-	0.192	-	-
Metazachlor OA	µg/l	0.0805	± 0.0111	-	-	0.00905	-	-
Metolachlor	µg/l	-	± -	-	-	-	-	-
Metolachlor ESA	µg/l	0.196	± 0.0323	-	-	0.0357	-	-
Metolachlor OA	µg/l	0.282	± 0.0314	-	-	0.0331	-	-

Sample: H95B

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
2,4,5-Trichlorophenoxyacetic acid	µg/l	0.34	± 0.0704	-	-	0.0846	-	-
2,4-D	µg/l	0.311	± 0.0291	-	-	0.0376	-	-
Alachlor	µg/l	-	± -	-	-	-	-	-
Alachlor ESA	µg/l	0.836	± 0.19	-	-	0.155	-	-
Alachlor OA	µg/l	0.641	± 0.115	-	-	0.109	-	-
AMPA	µg/l	0.924	± 0.137	-	-	0.137	-	-
Bentazone	µg/l	0.501	± 0.061	-	-	0.0813	-	-
Dicamba	µg/l	0.292	± 0.06	-	-	0.0693	-	-
Dichlorprop	µg/l	0.821	± 0.0943	-	-	0.126	-	-
Glufosinate	µg/l	0.349	± 0.101	-	-	0.101	-	-
Glyphosate	µg/l	0.544	± 0.177	-	-	0.177	-	-
Mecoprop	µg/l	0.391	± 0.0319	-	-	0.0412	-	-
Metazachlor	µg/l	0.65	± 0.0424	-	-	0.0583	-	-
Metazachlor ESA	µg/l	0.201	± 0.0327	-	-	0.0327	-	-

Parameter	Unit	Target	±	CI(99%)	Result	± U	Criteria	Recovery	z-score
Metazachlor OA	µg/l	-	±	-	-	-	-	-	-
Metolachlor	µg/l	0.193	±	0.0188	-	-	0.0266	-	-
Metolachlor ESA	µg/l	0.28	±	0.0305	-	-	0.0352	-	-
Metolachlor OA	µg/l	0.542	±	0.0718	-	-	0.0794	-	-

The following results were achieved:

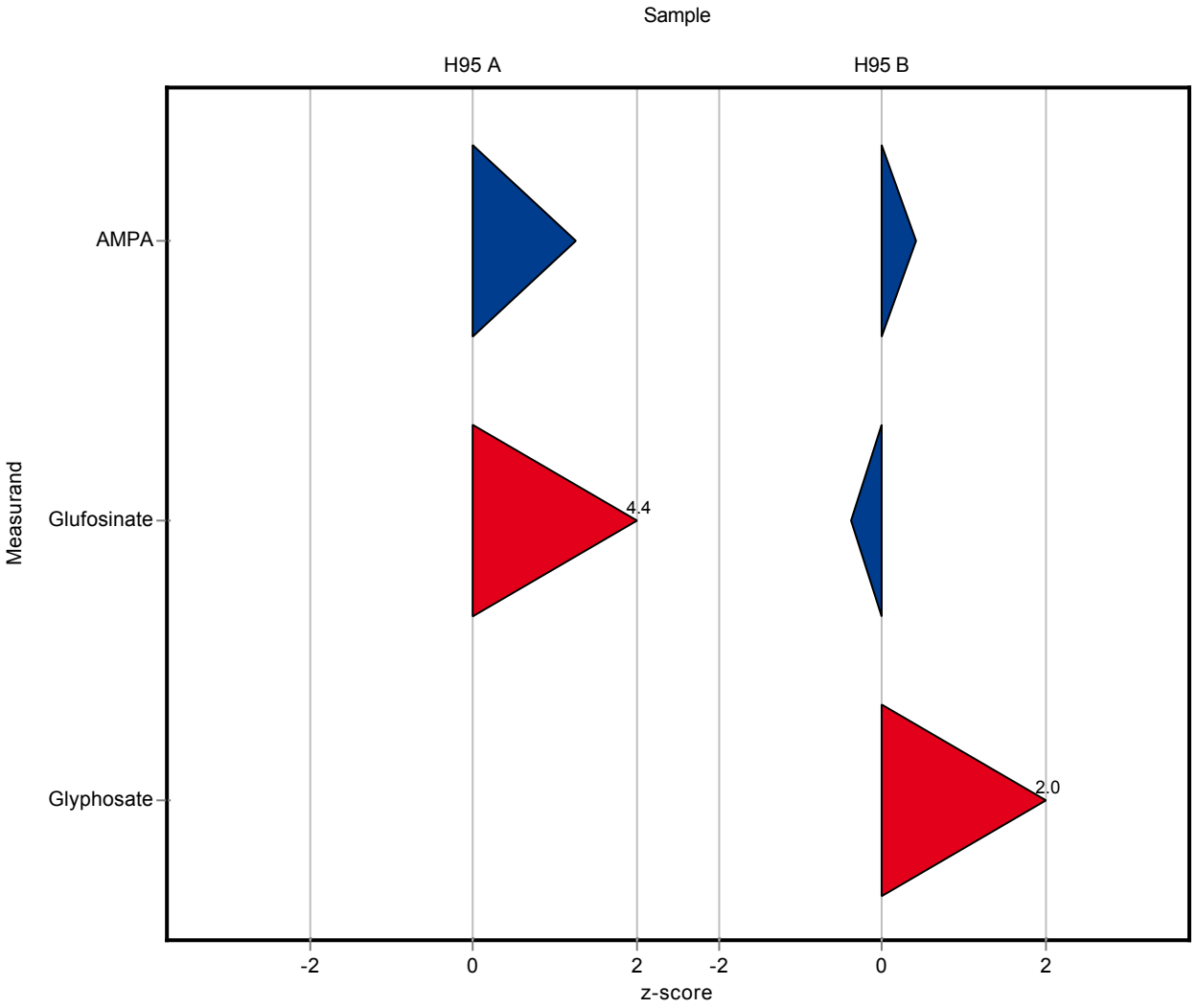
Sample: H95A

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
2,4,5-Trichlorophenoxyacetic acid	µg/l	0.718	± 0.156	-	-	0.187	-	-
2,4-D	µg/l	0.571	± 0.0809	-	-	0.108	-	-
Alachlor	µg/l	0.601	± 0.0443	-	-	0.0553	-	-
Alachlor ESA	µg/l	0.494	± 0.108	-	-	0.0881	-	-
Alachlor OA	µg/l	0.465	± 0.0383	-	-	0.0313	-	-
AMPA	µg/l	0.156	± 0.0221	0.18	0.01	0.0195	116	1.25
Bentazone	µg/l	0.303	± 0.0581	-	-	0.0821	-	-
Dicamba	µg/l	0.362	± 0.0657	-	-	0.0758	-	-
Dichlorprop	µg/l	-	± -	-	-	-	-	-
Glufosinate	µg/l	0.412	± 0.0135	0.46	0.15	0.011	112	4.4
Glyphosate	µg/l	-	± -	<0.05 (LOQ)	-	-	-	-
Mecoprop	µg/l	0.237	± 0.0292	-	-	0.0389	-	-
Metazachlor	µg/l	-	± -	-	-	-	-	-
Metazachlor ESA	µg/l	0.672	± 0.182	-	-	0.192	-	-
Metazachlor OA	µg/l	0.0805	± 0.0111	-	-	0.00905	-	-
Metolachlor	µg/l	-	± -	-	-	-	-	-
Metolachlor ESA	µg/l	0.196	± 0.0323	-	-	0.0357	-	-
Metolachlor OA	µg/l	0.282	± 0.0314	-	-	0.0331	-	-

Sample: H95B

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
2,4,5-Trichlorophenoxyacetic acid	µg/l	0.34	± 0.0704	-	-	0.0846	-	-
2,4-D	µg/l	0.311	± 0.0291	-	-	0.0376	-	-
Alachlor	µg/l	-	± -	-	-	-	-	-
Alachlor ESA	µg/l	0.836	± 0.19	-	-	0.155	-	-
Alachlor OA	µg/l	0.641	± 0.115	-	-	0.109	-	-
AMPA	µg/l	0.924	± 0.137	0.98	0.17	0.137	106	0.41
Bentazone	µg/l	0.501	± 0.061	-	-	0.0813	-	-
Dicamba	µg/l	0.292	± 0.06	-	-	0.0693	-	-
Dichlorprop	µg/l	0.821	± 0.0943	-	-	0.126	-	-
Glufosinate	µg/l	0.349	± 0.101	0.31	0.03	0.101	88.8	-0.39
Glyphosate	µg/l	0.544	± 0.177	0.9	0.25	0.177	166	2.01
Mecoprop	µg/l	0.391	± 0.0319	-	-	0.0412	-	-
Metazachlor	µg/l	0.65	± 0.0424	-	-	0.0583	-	-
Metazachlor ESA	µg/l	0.201	± 0.0327	-	-	0.0327	-	-

Parameter	Unit	Target	±	CI(99%)	Result	± U	Criteria	Recovery	z-score
Metazachlor OA	µg/l	-	±	-	-	-	-	-	-
Metolachlor	µg/l	0.193	±	0.0188	-	-	0.0266	-	-
Metolachlor ESA	µg/l	0.28	±	0.0305	-	-	0.0352	-	-
Metolachlor OA	µg/l	0.542	±	0.0718	-	-	0.0794	-	-


Sample
H95 A
H95 B
AMPA
Glufosinate
Glyphosate
Measurand
4.4
2.0
-2
0
2
-2
0
2
z-score

The following results were achieved:

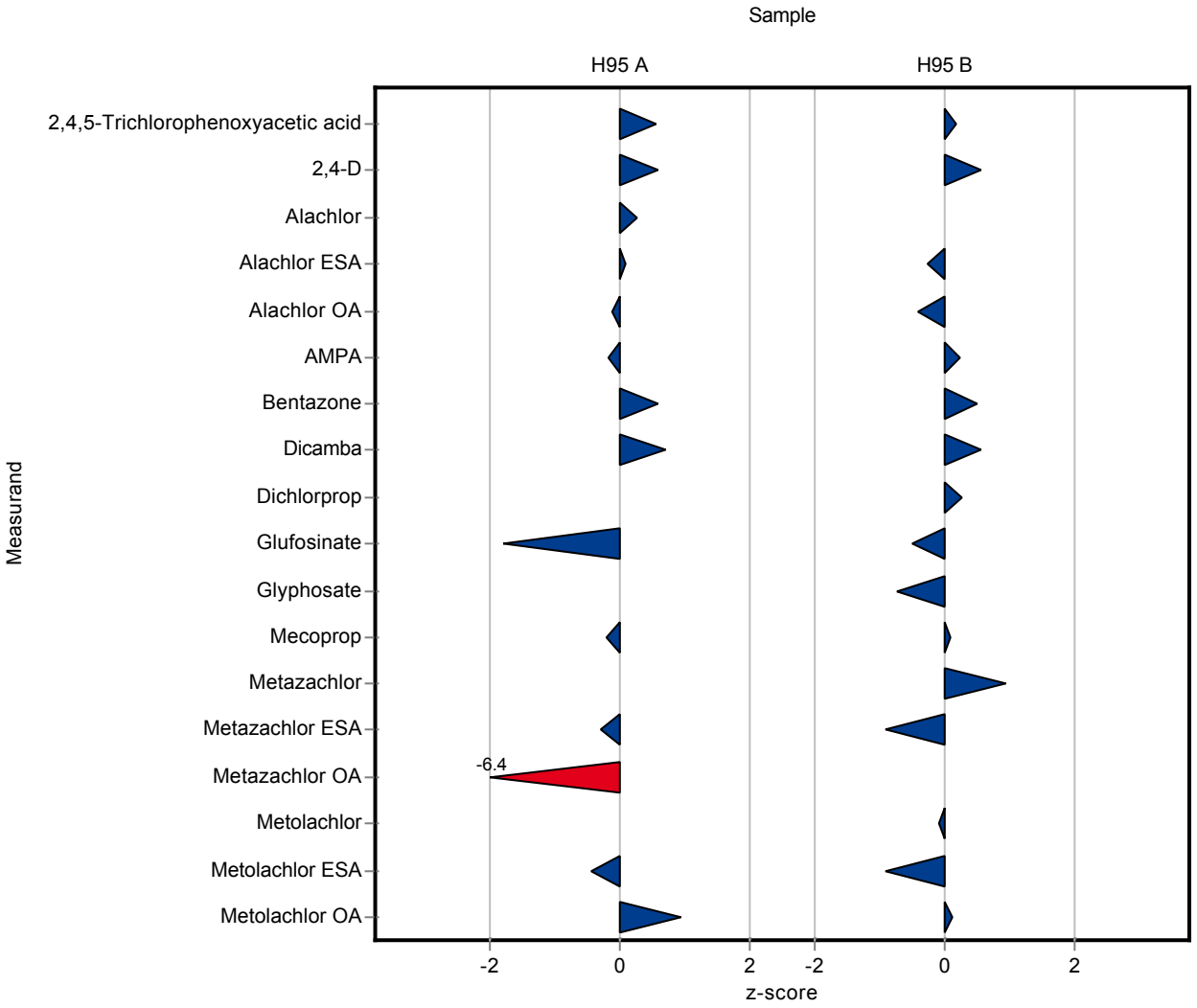
Sample: H95A

Parameter	Unit	Target	±	CI(99%)	Result	± U	Criteria	Recovery	z-score
2,4,5-Trichlorophenoxyacetic acid	µg/l	0.718	±	0.156	0.825	-	0.187	115	0.57
2,4-D	µg/l	0.571	±	0.0809	0.636	-	0.108	111	0.6
Alachlor	µg/l	0.601	±	0.0443	0.616	-	0.0553	103	0.28
Alachlor ESA	µg/l	0.494	±	0.108	0.503	-	0.0881	102	0.1
Alachlor OA	µg/l	0.465	±	0.0383	0.461	-	0.0313	99.2	-0.12
AMPA	µg/l	0.156	±	0.0221	0.152	-	0.0195	97.7	-0.18
Bentazone	µg/l	0.303	±	0.0581	0.352	-	0.0821	116	0.6
Dicamba	µg/l	0.362	±	0.0657	0.416	-	0.0758	115	0.72
Dichlorprop	µg/l	-	±	-	<0.01 (LOQ)	-	-	-	-
Glufosinate	µg/l	0.412	±	0.0135	0.392	-	0.011	95.2	-1.79
Glyphosate	µg/l	-	±	-	<0.01 (LOQ)	-	-	-	-
Mecoprop	µg/l	0.237	±	0.0292	0.229	-	0.0389	96.5	-0.21
Metazachlor	µg/l	-	±	-	<0.01 (LOQ)	-	-	-	-
Metazachlor ESA	µg/l	0.672	±	0.182	0.619	-	0.192	92.2	-0.27
Metazachlor OA	µg/l	0.0805	±	0.0111	0.023	-	0.00905	28.6	-6.35
Metolachlor	µg/l	-	±	-	<0.01 (LOQ)	-	-	-	-
Metolachlor ESA	µg/l	0.196	±	0.0323	0.181	-	0.0357	92.3	-0.42
Metolachlor OA	µg/l	0.282	±	0.0314	0.313	-	0.0331	111	0.94

Sample: H95B

Parameter	Unit	Target	±	CI(99%)	Result	± U	Criteria	Recovery	z-score
2,4,5-Trichlorophenoxyacetic acid	µg/l	0.34	±	0.0704	0.354	-	0.0846	104	0.17
2,4-D	µg/l	0.311	±	0.0291	0.332	-	0.0376	107	0.55
Alachlor	µg/l	-	±	-	<0.01 (LOQ)	-	-	-	-
Alachlor ESA	µg/l	0.836	±	0.19	0.796	-	0.155	95.2	-0.26
Alachlor OA	µg/l	0.641	±	0.115	0.596	-	0.109	93	-0.41
AMPA	µg/l	0.924	±	0.137	0.957	-	0.137	104	0.24
Bentazone	µg/l	0.501	±	0.061	0.542	-	0.0813	108	0.5
Dicamba	µg/l	0.292	±	0.06	0.33	-	0.0693	113	0.55
Dichlorprop	µg/l	0.821	±	0.0943	0.852	-	0.126	104	0.25
Glufosinate	µg/l	0.349	±	0.101	0.299	-	0.101	85.7	-0.5
Glyphosate	µg/l	0.544	±	0.177	0.412	-	0.177	75.8	-0.74
Mecoprop	µg/l	0.391	±	0.0319	0.394	-	0.0412	101	0.07
Metazachlor	µg/l	0.65	±	0.0424	0.704	-	0.0583	108	0.93
Metazachlor ESA	µg/l	0.201	±	0.0327	0.171	-	0.0327	85.2	-0.91

Parameter	Unit	Target	±	CI(99%)	Result	± U	Criteria	Recovery	z-score
Metazachlor OA	µg/l	-	±	-	<0.01 (LOQ)	-	-	-	-
Metolachlor	µg/l	0.193	±	0.0188	0.191	-	0.0266	98.8	-0.09
Metolachlor ESA	µg/l	0.28	±	0.0305	0.248	-	0.0352	88.5	-0.91
Metolachlor OA	µg/l	0.542	±	0.0718	0.552	-	0.0794	102	0.12


Sample
H95 A
H95 B
Measurand
2,4,5-Trichlorophenoxyacetic acid
2,4-D
Alachlor
Alachlor ESA
Alachlor OA
AMPA
Bentazone
Dicamba
Dichlorprop
Glufosinate
Glyphosate
Mecoprop
Metazachlor
Metazachlor ESA
Metazachlor OA
Metolachlor
Metolachlor ESA
Metolachlor OA
-6.4
-2
0
2
-2
0
2
z-score

The following results were achieved:

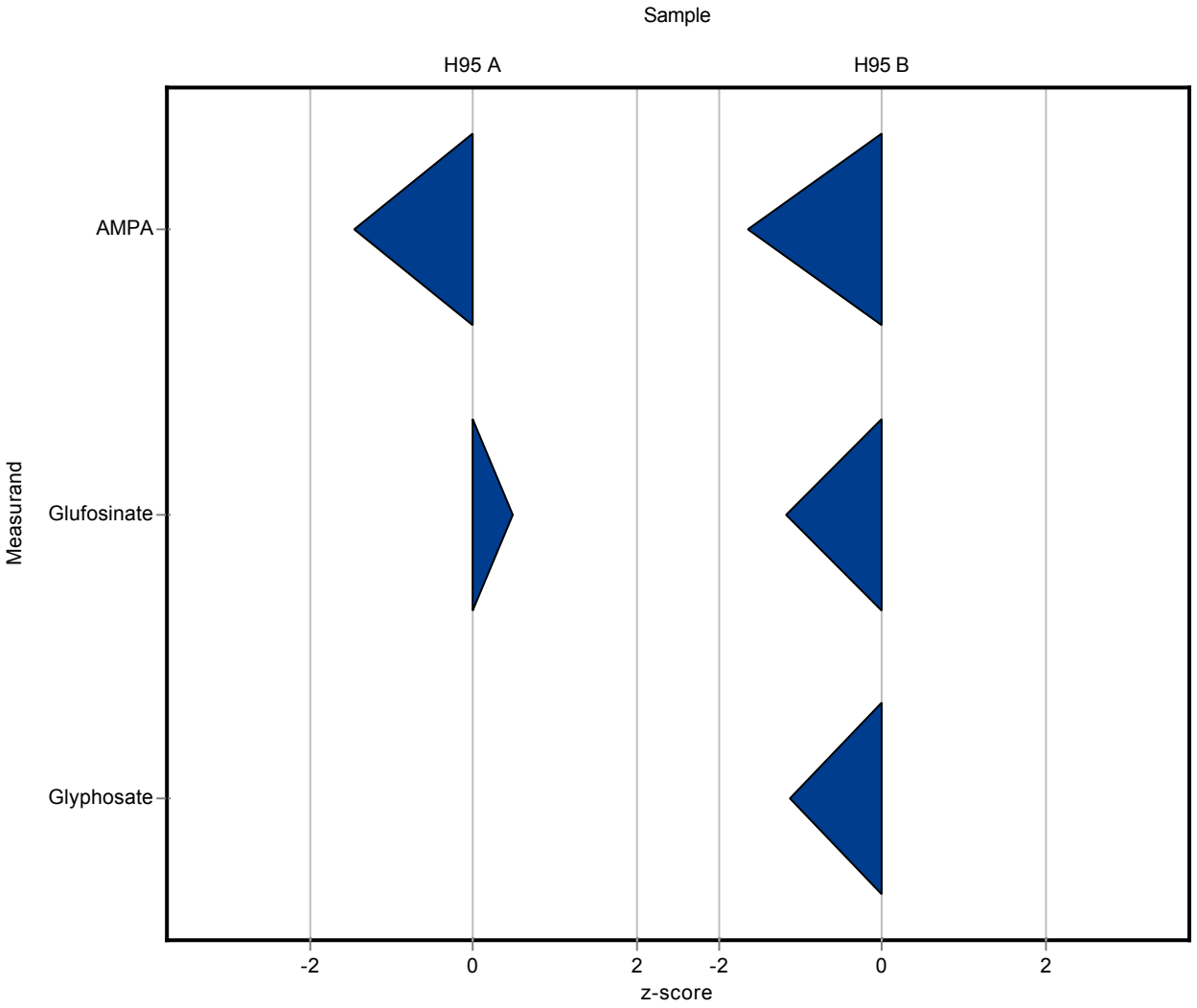
Sample: H95A

Parameter	Unit	Target	±	CI(99%)	Result	± U	Criteria	Recovery	z-score
2,4,5-Trichlorophenoxyacetic acid	µg/l	0.718	±	0.156	-	-	0.187	-	-
2,4-D	µg/l	0.571	±	0.0809	-	-	0.108	-	-
Alachlor	µg/l	0.601	±	0.0443	-	-	0.0553	-	-
Alachlor ESA	µg/l	0.494	±	0.108	-	-	0.0881	-	-
Alachlor OA	µg/l	0.465	±	0.0383	-	-	0.0313	-	-
AMPA	µg/l	0.156	±	0.0221	0.127	0.02	0.0195	81.6	-1.47
Bentazone	µg/l	0.303	±	0.0581	-	-	0.0821	-	-
Dicamba	µg/l	0.362	±	0.0657	-	-	0.0758	-	-
Dichlorprop	µg/l	-	±	-	-	-	-	-	-
Glufosinate	µg/l	0.412	±	0.0135	0.417	0.06	0.011	101	0.49
Glyphosate	µg/l	-	±	-	<0.05 (LOQ)	-	-	-	-
Mecoprop	µg/l	0.237	±	0.0292	-	-	0.0389	-	-
Metazachlor	µg/l	-	±	-	-	-	-	-	-
Metazachlor ESA	µg/l	0.672	±	0.182	-	-	0.192	-	-
Metazachlor OA	µg/l	0.0805	±	0.0111	-	-	0.00905	-	-
Metolachlor	µg/l	-	±	-	-	-	-	-	-
Metolachlor ESA	µg/l	0.196	±	0.0323	-	-	0.0357	-	-
Metolachlor OA	µg/l	0.282	±	0.0314	-	-	0.0331	-	-

Sample: H95B

Parameter	Unit	Target	±	CI(99%)	Result	± U	Criteria	Recovery	z-score
2,4,5-Trichlorophenoxyacetic acid	µg/l	0.34	±	0.0704	-	-	0.0846	-	-
2,4-D	µg/l	0.311	±	0.0291	-	-	0.0376	-	-
Alachlor	µg/l	-	±	-	-	-	-	-	-
Alachlor ESA	µg/l	0.836	±	0.19	-	-	0.155	-	-
Alachlor OA	µg/l	0.641	±	0.115	-	-	0.109	-	-
AMPA	µg/l	0.924	±	0.137	0.7	0.06	0.137	75.7	-1.64
Bentazone	µg/l	0.501	±	0.061	-	-	0.0813	-	-
Dicamba	µg/l	0.292	±	0.06	-	-	0.0693	-	-
Dichlorprop	µg/l	0.821	±	0.0943	-	-	0.126	-	-
Glufosinate	µg/l	0.349	±	0.101	0.23	0.035	0.101	65.9	-1.18
Glyphosate	µg/l	0.544	±	0.177	0.343	0.03	0.177	63.1	-1.13
Mecoprop	µg/l	0.391	±	0.0319	-	-	0.0412	-	-
Metazachlor	µg/l	0.65	±	0.0424	-	-	0.0583	-	-
Metazachlor ESA	µg/l	0.201	±	0.0327	-	-	0.0327	-	-

Parameter	Unit	Target	±	CI(99%)	Result	± U	Criteria	Recovery	z-score
Metazachlor OA	µg/l	-	±	-	-	-	-	-	-
Metolachlor	µg/l	0.193	±	0.0188	-	-	0.0266	-	-
Metolachlor ESA	µg/l	0.28	±	0.0305	-	-	0.0352	-	-
Metolachlor OA	µg/l	0.542	±	0.0718	-	-	0.0794	-	-


Sample
H95 A
H95 B
AMPA
Glufosinate
Glyphosate
Measurand
-2
0
2
-2
0
2
z-score

The following results were achieved:

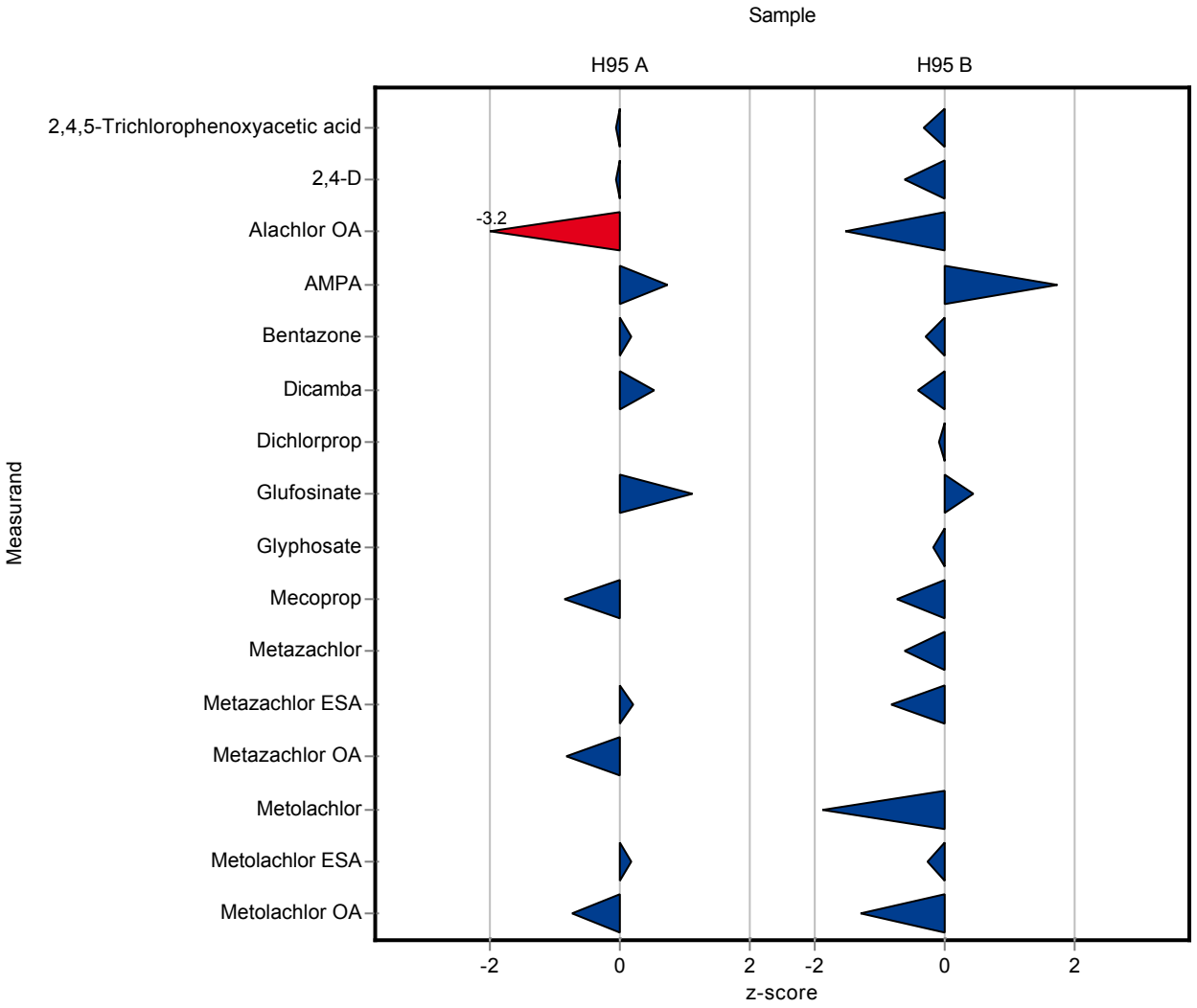
Sample: H95A

Parameter	Unit	Target	±	CI(99%)	Result	± U	Criteria	Recovery	z-score
2,4,5-Trichlorophenoxyacetic acid	µg/l	0.718	±	0.156	0.71	0.184	0.187	98.8	-0.04
2,4-D	µg/l	0.571	±	0.0809	0.567	0.147	0.108	99.2	-0.04
Alachlor	µg/l	0.601	±	0.0443	-	-	0.0553	-	-
Alachlor ESA	µg/l	0.494	±	0.108	-	-	0.0881	-	-
Alachlor OA	µg/l	0.465	±	0.0383	0.365	0.095	0.0313	78.5	-3.19
AMPA	µg/l	0.156	±	0.0221	0.17	0.034	0.0195	109	0.74
Bentazone	µg/l	0.303	±	0.0581	0.318	0.083	0.0821	105	0.19
Dicamba	µg/l	0.362	±	0.0657	0.402	0.105	0.0758	111	0.53
Dichlorprop	µg/l	-	±	-	<0.005 (LOQ)	-	-	-	-
Glufosinate	µg/l	0.412	±	0.0135	0.424	0.085	0.011	103	1.12
Glyphosate	µg/l	-	±	-	<0.005 (LOQ)	-	-	-	-
Mecoprop	µg/l	0.237	±	0.0292	0.204	0.053	0.0389	86	-0.85
Metazachlor	µg/l	-	±	-	<0.005 (LOQ)	-	-	-	-
Metazachlor ESA	µg/l	0.672	±	0.182	0.713	0.185	0.192	106	0.22
Metazachlor OA	µg/l	0.0805	±	0.0111	0.073	0.019	0.00905	90.7	-0.83
Metolachlor	µg/l	-	±	-	<0.005 (LOQ)	-	-	-	-
Metolachlor ESA	µg/l	0.196	±	0.0323	0.203	0.053	0.0357	104	0.19
Metolachlor OA	µg/l	0.282	±	0.0314	0.258	0.067	0.0331	91.5	-0.73

Sample: H95B

Parameter	Unit	Target	±	CI(99%)	Result	± U	Criteria	Recovery	z-score
2,4,5-Trichlorophenoxyacetic acid	µg/l	0.34	±	0.0704	0.311	0.081	0.0846	91.5	-0.34
2,4-D	µg/l	0.311	±	0.0291	0.288	0.075	0.0376	92.5	-0.62
Alachlor	µg/l	-	±	-	-	-	-	-	-
Alachlor ESA	µg/l	0.836	±	0.19	-	-	0.155	-	-
Alachlor OA	µg/l	0.641	±	0.115	0.474	0.123	0.109	74	-1.54
AMPA	µg/l	0.924	±	0.137	1.16	0.232	0.137	125	1.72
Bentazone	µg/l	0.501	±	0.061	0.476	0.124	0.0813	95	-0.31
Dicamba	µg/l	0.292	±	0.06	0.263	0.068	0.0693	90.2	-0.41
Dichlorprop	µg/l	0.821	±	0.0943	0.809	0.21	0.126	98.6	-0.09
Glufosinate	µg/l	0.349	±	0.101	0.392	0.078	0.101	112	0.43
Glyphosate	µg/l	0.544	±	0.177	0.511	0.102	0.177	94	-0.18
Mecoprop	µg/l	0.391	±	0.0319	0.361	0.094	0.0412	92.3	-0.73
Metazachlor	µg/l	0.65	±	0.0424	0.613	0.159	0.0583	94.3	-0.63
Metazachlor ESA	µg/l	0.201	±	0.0327	0.174	0.045	0.0327	86.7	-0.82

Parameter	Unit	Target	±	CI(99%)	Result	± U	Criteria	Recovery	z-score
Metazachlor OA	µg/l	-	±	-	<0.005 (LOQ)	-	-	-	-
Metolachlor	µg/l	0.193	±	0.0188	0.143	0.037	0.0266	74	-1.89
Metolachlor ESA	µg/l	0.28	±	0.0305	0.271	0.071	0.0352	96.8	-0.26
Metolachlor OA	µg/l	0.542	±	0.0718	0.44	0.114	0.0794	81.2	-1.29


Sample
H95 A
H95 B
2,4,5-Trichlorophenoxyacetic acid
2,4-D
Alachlor OA
AMPA
Bentazone
Dicamba
Dichlorprop
Glufosinate
Glyphosate
Mecoprop
Metazachlor
Metazachlor ESA
Metazachlor OA
Metolachlor
Metolachlor ESA
Metolachlor OA
-3.2
Measurand
-2
0
2
-2
0
2
z-score

The following results were achieved:

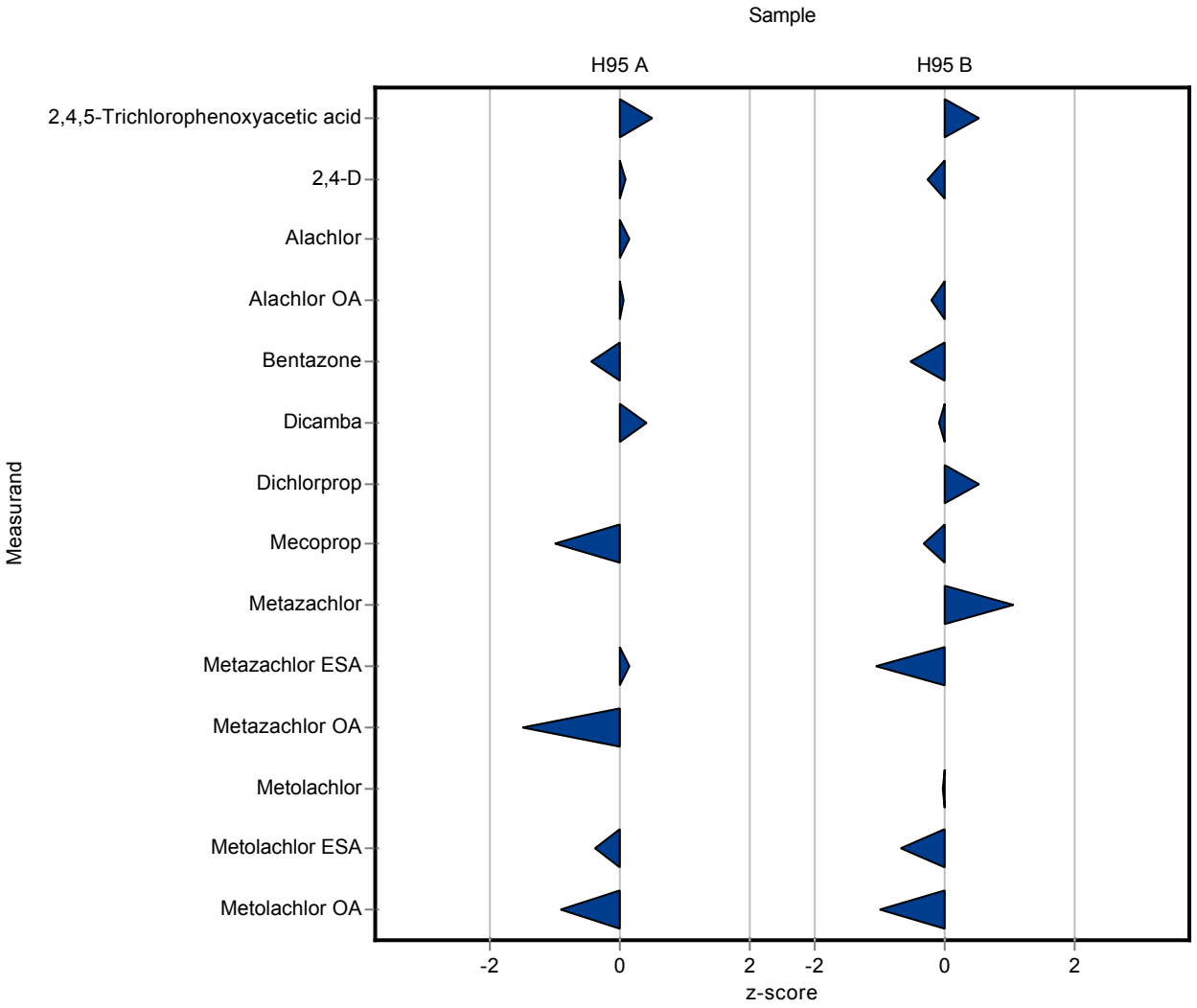
Sample: H95A

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
2,4,5-Trichlorophenoxyacetic acid	µg/l	0.718	± 0.156	0.812	0.162	0.187	113	0.5
2,4-D	µg/l	0.571	± 0.0809	0.581	0.116	0.108	102	0.09
Alachlor	µg/l	0.601	± 0.0443	0.609	0.122	0.0553	101	0.15
Alachlor ESA	µg/l	0.494	± 0.108	-	-	0.0881	-	-
Alachlor OA	µg/l	0.465	± 0.0383	0.467	0.093	0.0313	100	0.07
AMPA	µg/l	0.156	± 0.0221	-	-	0.0195	-	-
Bentazone	µg/l	0.303	± 0.0581	0.267	0.053	0.0821	88.2	-0.43
Dicamba	µg/l	0.362	± 0.0657	0.394	0.118	0.0758	109	0.43
Dichlorprop	µg/l	-	± -	<0.01 (LOQ)	-	-	-	-
Glufosinate	µg/l	0.412	± 0.0135	-	-	0.011	-	-
Glyphosate	µg/l	-	± -	-	-	-	-	-
Mecoprop	µg/l	0.237	± 0.0292	0.199	0.04	0.0389	83.9	-0.98
Metazachlor	µg/l	-	± -	<0.01 (LOQ)	-	-	-	-
Metazachlor ESA	µg/l	0.672	± 0.182	0.699	0.14	0.192	104	0.14
Metazachlor OA	µg/l	0.0805	± 0.0111	0.067	0.013	0.00905	83.2	-1.49
Metolachlor	µg/l	-	± -	<0.01 (LOQ)	-	-	-	-
Metolachlor ESA	µg/l	0.196	± 0.0323	0.183	0.037	0.0357	93.3	-0.37
Metolachlor OA	µg/l	0.282	± 0.0314	0.252	0.05	0.0331	89.4	-0.91

Sample: H95B

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
2,4,5-Trichlorophenoxyacetic acid	µg/l	0.34	± 0.0704	0.385	0.077	0.0846	113	0.53
2,4-D	µg/l	0.311	± 0.0291	0.301	0.06	0.0376	96.7	-0.27
Alachlor	µg/l	-	± -	<0.01 (LOQ)	-	-	-	-
Alachlor ESA	µg/l	0.836	± 0.19	-	-	0.155	-	-
Alachlor OA	µg/l	0.641	± 0.115	0.619	0.124	0.109	96.6	-0.2
AMPA	µg/l	0.924	± 0.137	-	-	0.137	-	-
Bentazone	µg/l	0.501	± 0.061	0.459	0.092	0.0813	91.6	-0.52
Dicamba	µg/l	0.292	± 0.06	0.285	0.086	0.0693	97.7	-0.09
Dichlorprop	µg/l	0.821	± 0.0943	0.887	0.177	0.126	108	0.53
Glufosinate	µg/l	0.349	± 0.101	-	-	0.101	-	-
Glyphosate	µg/l	0.544	± 0.177	-	-	0.177	-	-
Mecoprop	µg/l	0.391	± 0.0319	0.377	0.075	0.0412	96.4	-0.34
Metazachlor	µg/l	0.65	± 0.0424	0.711	0.142	0.0583	109	1.05
Metazachlor ESA	µg/l	0.201	± 0.0327	0.166	0.033	0.0327	82.7	-1.06

Parameter	Unit	Target	±	CI(99%)	Result	± U	Criteria	Recovery	z-score
Metazachlor OA	µg/l	-	±	-	<0.01 (LOQ)	-	-	-	-
Metolachlor	µg/l	0.193	±	0.0188	0.192	0.038	0.0266	99.3	-0.05
Metolachlor ESA	µg/l	0.28	±	0.0305	0.256	0.051	0.0352	91.4	-0.68
Metolachlor OA	µg/l	0.542	±	0.0718	0.462	0.092	0.0794	85.2	-1.01


Sample
H95 A
H95 B
2,4,5-Trichlorophenoxyacetic acid
2,4-D
Alachlor
Alachlor OA
Bentazone
Dicamba
Dichlorprop
Mecoprop
Metazachlor
Metazachlor ESA
Metazachlor OA
Metolachlor
Metolachlor ESA
Metolachlor OA
Measurand
-2
0
2
-2
0
2
z-score

The following results were achieved:

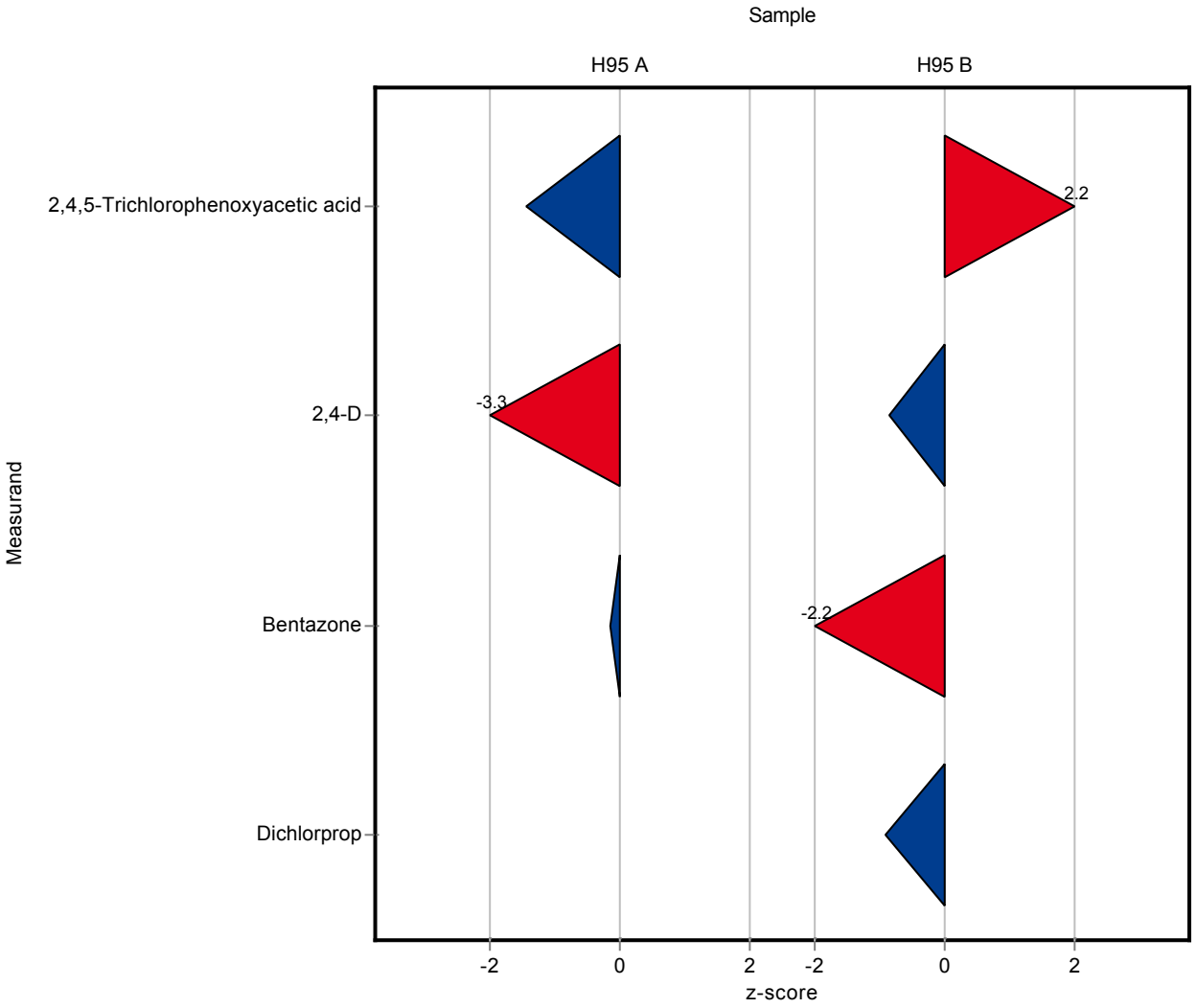
Sample: H95A

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
2,4,5-Trichlorophenoxyacetic acid	µg/l	0.718	± 0.156	0.4505	0.0856	0.187	62.7	-1.43
2,4-D	µg/l	0.571	± 0.0809	0.22	0.0594	0.108	38.5	-3.26
Alachlor	µg/l	0.601	± 0.0443	-	-	0.0553	-	-
Alachlor ESA	µg/l	0.494	± 0.108	-	-	0.0881	-	-
Alachlor OA	µg/l	0.465	± 0.0383	-	-	0.0313	-	-
AMPA	µg/l	0.156	± 0.0221	-	-	0.0195	-	-
Bentazone	µg/l	0.303	± 0.0581	0.291	0.1804	0.0821	96.2	-0.14
Dicamba	µg/l	0.362	± 0.0657	-	-	0.0758	-	-
Dichlorprop	µg/l	-	± -	0.2002	0.022	-	-	-
Glufosinate	µg/l	0.412	± 0.0135	-	-	0.011	-	-
Glyphosate	µg/l	-	± -	-	-	-	-	-
Mecoprop	µg/l	0.237	± 0.0292	-	-	0.0389	-	-
Metazachlor	µg/l	-	± -	-	-	-	-	-
Metazachlor ESA	µg/l	0.672	± 0.182	-	-	0.192	-	-
Metazachlor OA	µg/l	0.0805	± 0.0111	-	-	0.00905	-	-
Metolachlor	µg/l	-	± -	-	-	-	-	-
Metolachlor ESA	µg/l	0.196	± 0.0323	-	-	0.0357	-	-
Metolachlor OA	µg/l	0.282	± 0.0314	-	-	0.0331	-	-

Sample: H95B

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
2,4,5-Trichlorophenoxyacetic acid	µg/l	0.34	± 0.0704	0.5257	0.0999	0.0846	155	2.2
2,4-D	µg/l	0.311	± 0.0291	0.2794	0.0754	0.0376	89.8	-0.85
Alachlor	µg/l	-	± -	-	-	-	-	-
Alachlor ESA	µg/l	0.836	± 0.19	-	-	0.155	-	-
Alachlor OA	µg/l	0.641	± 0.115	-	-	0.109	-	-
AMPA	µg/l	0.924	± 0.137	-	-	0.137	-	-
Bentazone	µg/l	0.501	± 0.061	0.3256	0.2019	0.0813	65	-2.16
Dicamba	µg/l	0.292	± 0.06	-	-	0.0693	-	-
Dichlorprop	µg/l	0.821	± 0.0943	0.7063	0.0777	0.126	86.1	-0.91
Glufosinate	µg/l	0.349	± 0.101	-	-	0.101	-	-
Glyphosate	µg/l	0.544	± 0.177	-	-	0.177	-	-
Mecoprop	µg/l	0.391	± 0.0319	-	-	0.0412	-	-
Metazachlor	µg/l	0.65	± 0.0424	-	-	0.0583	-	-
Metazachlor ESA	µg/l	0.201	± 0.0327	-	-	0.0327	-	-

Parameter	Unit	Target	±	CI(99%)	Result	± U	Criteria	Recovery	z-score
Metazachlor OA	µg/l	-	±	-	-	-	-	-	-
Metolachlor	µg/l	0.193	±	0.0188	-	-	0.0266	-	-
Metolachlor ESA	µg/l	0.28	±	0.0305	-	-	0.0352	-	-
Metolachlor OA	µg/l	0.542	±	0.0718	-	-	0.0794	-	-


Sample
H95 A
H95 B
2,4,5-Trichlorophenoxyacetic acid
2,4-D
Bentazone
Dichlorprop
Measurand
2.2
-3.3
-2.2
-2
0
2
-2
0
2
z-score

The following results were achieved:

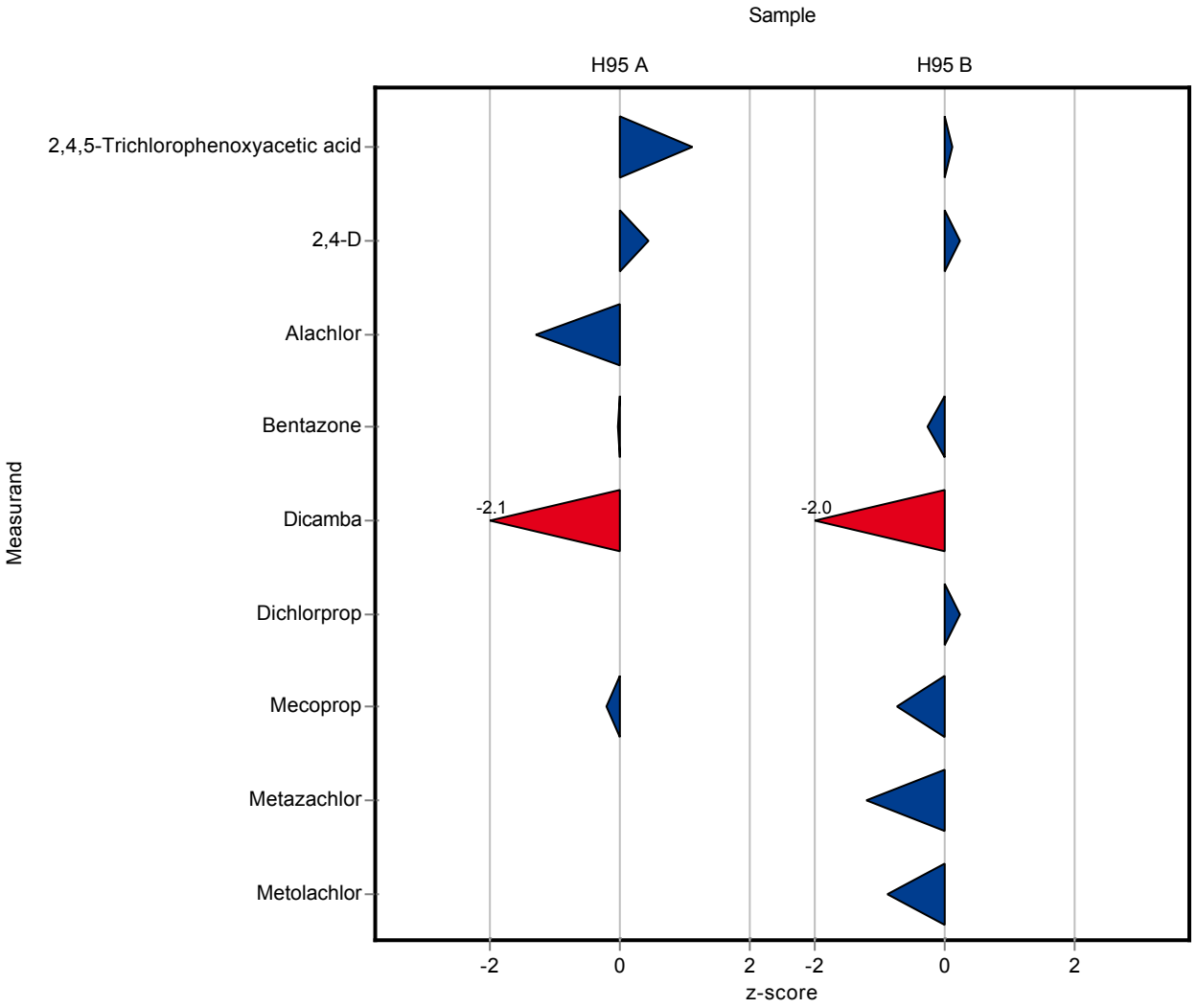
Sample: H95A

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
2,4,5-Trichlorophenoxyacetic acid	µg/l	0.718	± 0.156	0.93	0.19	0.187	129	1.13
2,4-D	µg/l	0.571	± 0.0809	0.62	0.12	0.108	109	0.45
Alachlor	µg/l	0.601	± 0.0443	0.53	0.11	0.0553	88.2	-1.28
Alachlor ESA	µg/l	0.494	± 0.108	-	-	0.0881	-	-
Alachlor OA	µg/l	0.465	± 0.0383	-	-	0.0313	-	-
AMPA	µg/l	0.156	± 0.0221	-	-	0.0195	-	-
Bentazone	µg/l	0.303	± 0.0581	0.3	0.06	0.0821	99.2	-0.03
Dicamba	µg/l	0.362	± 0.0657	0.2	0.04	0.0758	55.3	-2.13
Dichlorprop	µg/l	-	± -	<0.006 (LOQ)	-	-	-	-
Glufosinate	µg/l	0.412	± 0.0135	-	-	0.011	-	-
Glyphosate	µg/l	-	± -	-	-	-	-	-
Mecoprop	µg/l	0.237	± 0.0292	0.23	0.046	0.0389	97	-0.18
Metazachlor	µg/l	-	± -	<0.005 (LOQ)	-	-	-	-
Metazachlor ESA	µg/l	0.672	± 0.182	-	-	0.192	-	-
Metazachlor OA	µg/l	0.0805	± 0.0111	-	-	0.00905	-	-
Metolachlor	µg/l	-	± -	<0.003 (LOQ)	-	-	-	-
Metolachlor ESA	µg/l	0.196	± 0.0323	-	-	0.0357	-	-
Metolachlor OA	µg/l	0.282	± 0.0314	-	-	0.0331	-	-

Sample: H95B

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
2,4,5-Trichlorophenoxyacetic acid	µg/l	0.34	± 0.0704	0.35	0.07	0.0846	103	0.12
2,4-D	µg/l	0.311	± 0.0291	0.32	0.064	0.0376	103	0.23
Alachlor	µg/l	-	± -	<0.003 (LOQ)	-	-	-	-
Alachlor ESA	µg/l	0.836	± 0.19	-	-	0.155	-	-
Alachlor OA	µg/l	0.641	± 0.115	-	-	0.109	-	-
AMPA	µg/l	0.924	± 0.137	-	-	0.137	-	-
Bentazone	µg/l	0.501	± 0.061	0.48	0.096	0.0813	95.8	-0.26
Dicamba	µg/l	0.292	± 0.06	0.15	0.03	0.0693	51.4	-2.04
Dichlorprop	µg/l	0.821	± 0.0943	0.85	0.17	0.126	104	0.23
Glufosinate	µg/l	0.349	± 0.101	-	-	0.101	-	-
Glyphosate	µg/l	0.544	± 0.177	-	-	0.177	-	-
Mecoprop	µg/l	0.391	± 0.0319	0.36	0.072	0.0412	92.1	-0.75
Metazachlor	µg/l	0.65	± 0.0424	0.58	0.12	0.0583	89.2	-1.2
Metazachlor ESA	µg/l	0.201	± 0.0327	-	-	0.0327	-	-

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
Metazachlor OA	µg/l	-	± -	-	-	-	-	-
Metolachlor	µg/l	0.193	± 0.0188	0.17	0.026	0.0266	88	-0.88
Metolachlor ESA	µg/l	0.28	± 0.0305	-	-	0.0352	-	-
Metolachlor OA	µg/l	0.542	± 0.0718	-	-	0.0794	-	-


Sample
H95 A
H95 B
2,4,5-Trichlorophenoxyacetic acid
2,4-D
Alachlor
Bentazone
Dicamba
Dichlorprop
Mecoprop
Metazachlor
Metolachlor
Measurand
-2.1
-2.0
-2
0
2
z-score

The following results were achieved:

Sample: H95A

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
2,4,5-Trichlorophenoxyacetic acid	µg/l	0.718	± 0.156	-	-	0.187	-	-
2,4-D	µg/l	0.571	± 0.0809	-	-	0.108	-	-
Alachlor	µg/l	0.601	± 0.0443	-	-	0.0553	-	-
Alachlor ESA	µg/l	0.494	± 0.108	-	-	0.0881	-	-
Alachlor OA	µg/l	0.465	± 0.0383	-	-	0.0313	-	-
AMPA	µg/l	0.156	± 0.0221	-	-	0.0195	-	-
Bentazone	µg/l	0.303	± 0.0581	-	-	0.0821	-	-
Dicamba	µg/l	0.362	± 0.0657	-	-	0.0758	-	-
Dichlorprop	µg/l	-	± -	-	-	-	-	-
Glufosinate	µg/l	0.412	± 0.0135	-	-	0.011	-	-
Glyphosate	µg/l	-	± -	-	-	-	-	-
Mecoprop	µg/l	0.237	± 0.0292	-	-	0.0389	-	-
Metazachlor	µg/l	-	± -	-	-	-	-	-
Metazachlor ESA	µg/l	0.672	± 0.182	-	-	0.192	-	-
Metazachlor OA	µg/l	0.0805	± 0.0111	-	-	0.00905	-	-
Metolachlor	µg/l	-	± -	-	-	-	-	-
Metolachlor ESA	µg/l	0.196	± 0.0323	-	-	0.0357	-	-
Metolachlor OA	µg/l	0.282	± 0.0314	-	-	0.0331	-	-

Sample: H95B

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
2,4,5-Trichlorophenoxyacetic acid	µg/l	0.34	± 0.0704	-	-	0.0846	-	-
2,4-D	µg/l	0.311	± 0.0291	-	-	0.0376	-	-
Alachlor	µg/l	-	± -	-	-	-	-	-
Alachlor ESA	µg/l	0.836	± 0.19	-	-	0.155	-	-
Alachlor OA	µg/l	0.641	± 0.115	-	-	0.109	-	-
AMPA	µg/l	0.924	± 0.137	-	-	0.137	-	-
Bentazone	µg/l	0.501	± 0.061	-	-	0.0813	-	-
Dicamba	µg/l	0.292	± 0.06	-	-	0.0693	-	-
Dichlorprop	µg/l	0.821	± 0.0943	-	-	0.126	-	-
Glufosinate	µg/l	0.349	± 0.101	-	-	0.101	-	-
Glyphosate	µg/l	0.544	± 0.177	-	-	0.177	-	-
Mecoprop	µg/l	0.391	± 0.0319	-	-	0.0412	-	-
Metazachlor	µg/l	0.65	± 0.0424	-	-	0.0583	-	-
Metazachlor ESA	µg/l	0.201	± 0.0327	-	-	0.0327	-	-

Parameter	Unit	Target	±	CI(99%)	Result	± U	Criteria	Recovery	z-score
Metazachlor OA	µg/l	-	±	-	-	-	-	-	-
Metolachlor	µg/l	0.193	±	0.0188	-	-	0.0266	-	-
Metolachlor ESA	µg/l	0.28	±	0.0305	-	-	0.0352	-	-
Metolachlor OA	µg/l	0.542	±	0.0718	-	-	0.0794	-	-

The following results were achieved:

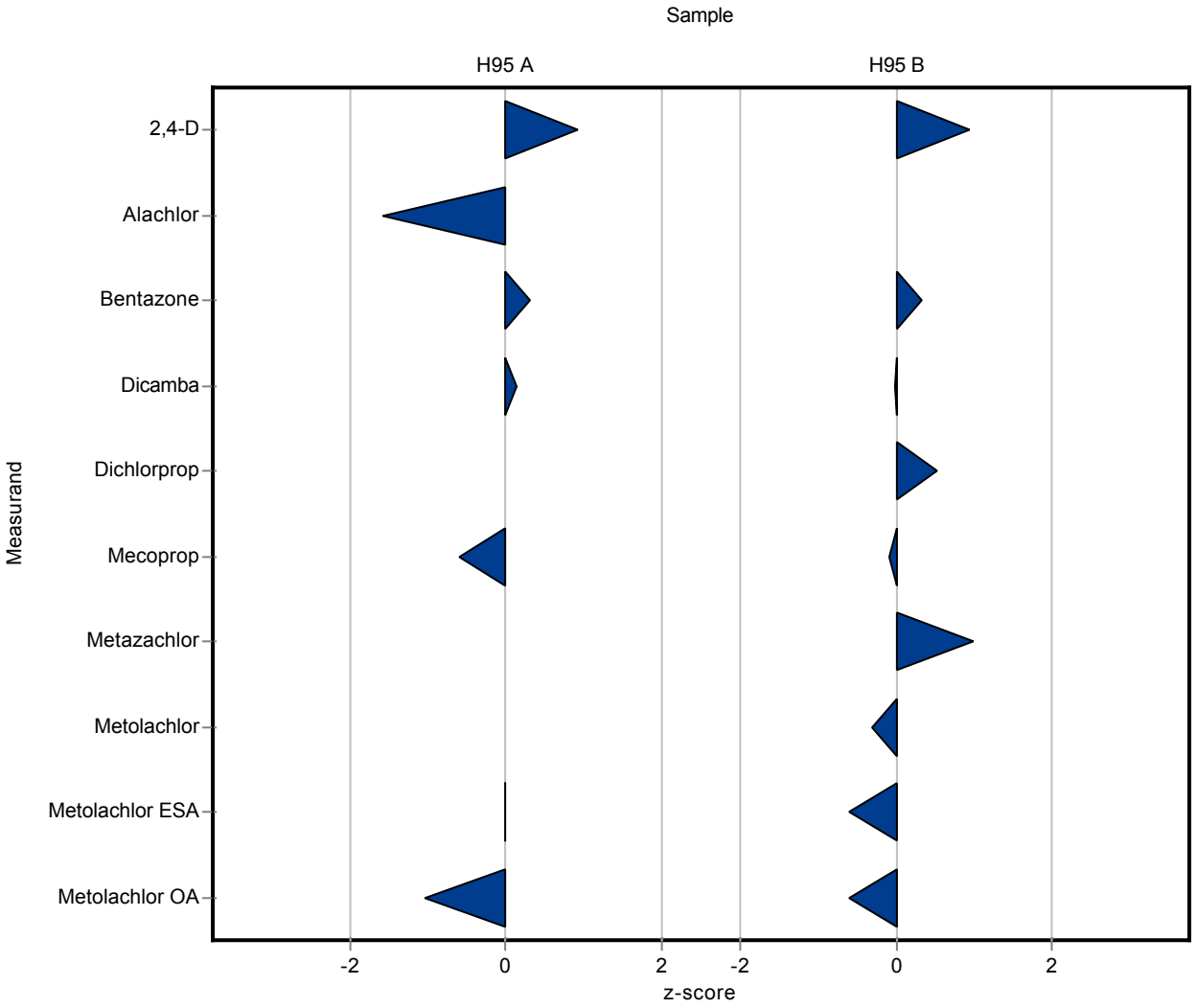
Sample: H95A

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
2,4,5-Trichlorophenoxyacetic acid	µg/l	0.718	± 0.156	-	-	0.187	-	-
2,4-D	µg/l	0.571	± 0.0809	0.672	0.101	0.108	118	0.93
Alachlor	µg/l	0.601	± 0.0443	0.514	0.052	0.0553	85.6	-1.57
Alachlor ESA	µg/l	0.494	± 0.108	-	-	0.0881	-	-
Alachlor OA	µg/l	0.465	± 0.0383	-	-	0.0313	-	-
AMPA	µg/l	0.156	± 0.0221	-	-	0.0195	-	-
Bentazone	µg/l	0.303	± 0.0581	0.328	0.049	0.0821	108	0.31
Dicamba	µg/l	0.362	± 0.0657	0.372	0.082	0.0758	103	0.14
Dichlorprop	µg/l	-	± -	<0.001 (LOQ)	-	-	-	-
Glufosinate	µg/l	0.412	± 0.0135	-	-	0.011	-	-
Glyphosate	µg/l	-	± -	-	-	-	-	-
Mecoprop	µg/l	0.237	± 0.0292	0.214	0.032	0.0389	90.2	-0.6
Metazachlor	µg/l	-	± -	<0.002 (LOQ)	-	-	-	-
Metazachlor ESA	µg/l	0.672	± 0.182	-	-	0.192	-	-
Metazachlor OA	µg/l	0.0805	± 0.0111	-	-	0.00905	-	-
Metolachlor	µg/l	-	± -	<0.001 (LOQ)	-	-	-	-
Metolachlor ESA	µg/l	0.196	± 0.0323	0.196	0.029	0.0357	100	0.00
Metolachlor OA	µg/l	0.282	± 0.0314	0.248	0.037	0.0331	87.9	-1.03

Sample: H95B

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
2,4,5-Trichlorophenoxyacetic acid	µg/l	0.34	± 0.0704	-	-	0.0846	-	-
2,4-D	µg/l	0.311	± 0.0291	0.346	0.07	0.0376	111	0.93
Alachlor	µg/l	-	± -	<0.002 (LOQ)	-	-	-	-
Alachlor ESA	µg/l	0.836	± 0.19	-	-	0.155	-	-
Alachlor OA	µg/l	0.641	± 0.115	-	-	0.109	-	-
AMPA	µg/l	0.924	± 0.137	-	-	0.137	-	-
Bentazone	µg/l	0.501	± 0.061	0.527	0.105	0.0813	105	0.32
Dicamba	µg/l	0.292	± 0.06	0.291	0.064	0.0693	99.8	-0.01
Dichlorprop	µg/l	0.821	± 0.0943	0.885	0.177	0.126	108	0.51
Glufosinate	µg/l	0.349	± 0.101	-	-	0.101	-	-
Glyphosate	µg/l	0.544	± 0.177	-	-	0.177	-	-
Mecoprop	µg/l	0.391	± 0.0319	0.387	0.058	0.0412	99	-0.09
Metazachlor	µg/l	0.65	± 0.0424	0.707	0.071	0.0583	109	0.98
Metazachlor ESA	µg/l	0.201	± 0.0327	-	-	0.0327	-	-

Parameter	Unit	Target	±	CI(99%)	Result	± U	Criteria	Recovery	z-score
Metazachlor OA	µg/l	-	±	-	-	-	-	-	-
Metolachlor	µg/l	0.193	±	0.0188	0.185	0.028	0.0266	95.7	-0.31
Metolachlor ESA	µg/l	0.28	±	0.0305	0.259	0.052	0.0352	92.5	-0.6
Metolachlor OA	µg/l	0.542	±	0.0718	0.495	0.099	0.0794	91.3	-0.59


Sample
H95 A
H95 B
2,4-D
Alachlor
Bentazone
Dicamba
Dichlorprop
Mecoprop
Metazachlor
Metolachlor
Metolachlor ESA
Metolachlor OA
Measurand
-2
0
2
-2
0
2
z-score

The following results were achieved:

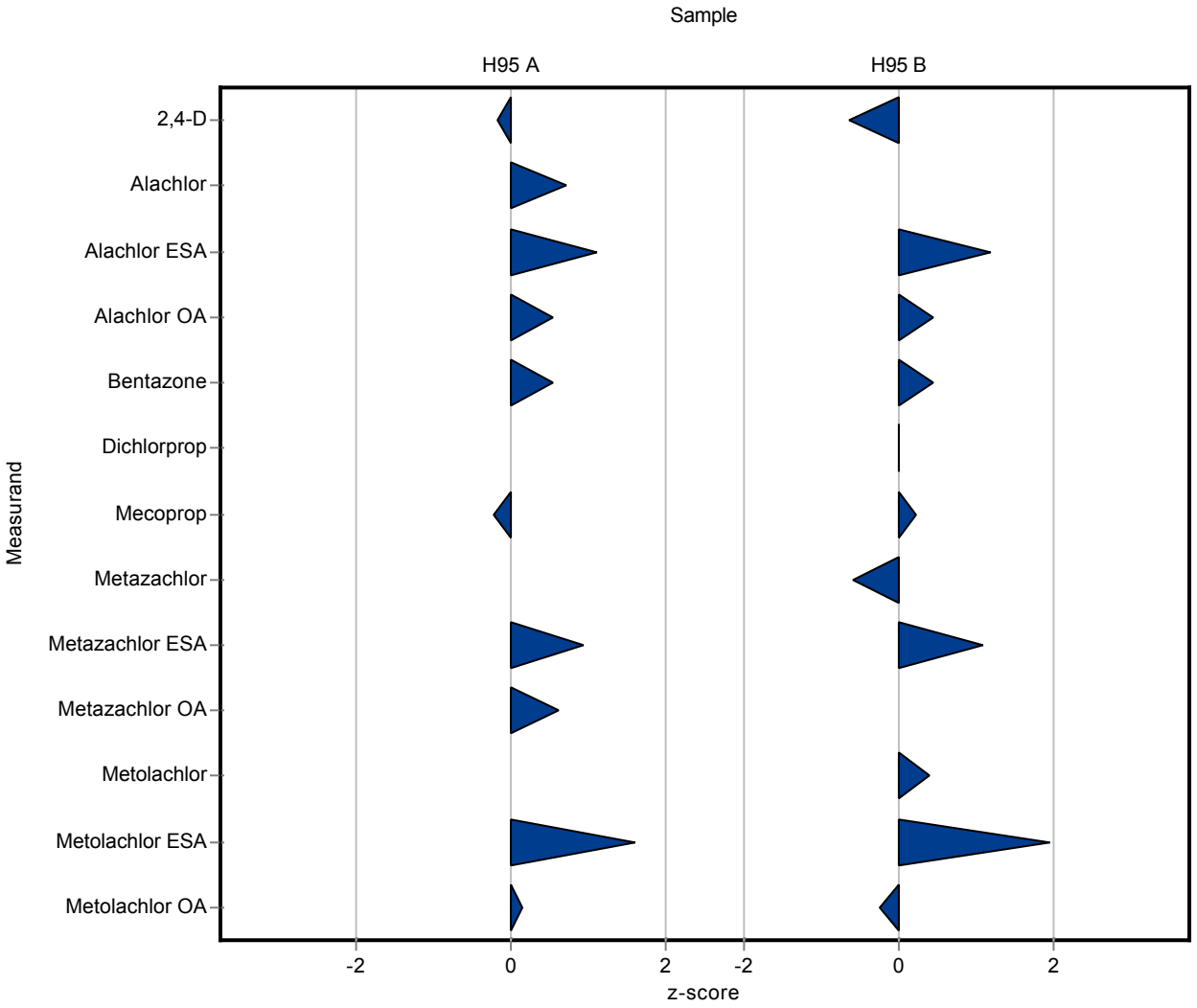
Sample: H95A

Parameter	Unit	Target	±	CI(99%)	Result	± U	Criteria	Recovery	z-score
2,4,5-Trichlorophenoxyacetic acid	µg/l	0.718	±	0.156	-	-	0.187	-	-
2,4-D	µg/l	0.571	±	0.0809	0.552	0.138	0.108	96.6	-0.18
Alachlor	µg/l	0.601	±	0.0443	0.64	0.16	0.0553	107	0.71
Alachlor ESA	µg/l	0.494	±	0.108	0.591	0.148	0.0881	120	1.1
Alachlor OA	µg/l	0.465	±	0.0383	0.482	0.121	0.0313	104	0.55
AMPA	µg/l	0.156	±	0.0221	-	-	0.0195	-	-
Bentazone	µg/l	0.303	±	0.0581	0.346	0.087	0.0821	114	0.53
Dicamba	µg/l	0.362	±	0.0657	-	-	0.0758	-	-
Dichlorprop	µg/l	-	±	-	<0.01 (LOQ)	-	-	-	-
Glufosinate	µg/l	0.412	±	0.0135	-	-	0.011	-	-
Glyphosate	µg/l	-	±	-	-	-	-	-	-
Mecoprop	µg/l	0.237	±	0.0292	0.228	0.057	0.0389	96.1	-0.24
Metazachlor	µg/l	-	±	-	<0.01 (LOQ)	-	-	-	-
Metazachlor ESA	µg/l	0.672	±	0.182	0.849	0.212	0.192	126	0.93
Metazachlor OA	µg/l	0.0805	±	0.0111	0.086	0.022	0.00905	107	0.61
Metolachlor	µg/l	-	±	-	<0.01 (LOQ)	-	-	-	-
Metolachlor ESA	µg/l	0.196	±	0.0323	0.253	0.063	0.0357	129	1.59
Metolachlor OA	µg/l	0.282	±	0.0314	0.287	0.072	0.0331	102	0.15

Sample: H95B

Parameter	Unit	Target	±	CI(99%)	Result	± U	Criteria	Recovery	z-score
2,4,5-Trichlorophenoxyacetic acid	µg/l	0.34	±	0.0704	-	-	0.0846	-	-
2,4-D	µg/l	0.311	±	0.0291	0.287	0.072	0.0376	92.2	-0.64
Alachlor	µg/l	-	±	-	<0.01 (LOQ)	-	-	-	-
Alachlor ESA	µg/l	0.836	±	0.19	1.02	0.255	0.155	122	1.19
Alachlor OA	µg/l	0.641	±	0.115	0.688	0.172	0.109	107	0.43
AMPA	µg/l	0.924	±	0.137	-	-	0.137	-	-
Bentazone	µg/l	0.501	±	0.061	0.537	0.134	0.0813	107	0.44
Dicamba	µg/l	0.292	±	0.06	-	-	0.0693	-	-
Dichlorprop	µg/l	0.821	±	0.0943	0.82	0.205	0.126	99.9	-0.01
Glufosinate	µg/l	0.349	±	0.101	-	-	0.101	-	-
Glyphosate	µg/l	0.544	±	0.177	-	-	0.177	-	-
Mecoprop	µg/l	0.391	±	0.0319	0.4	0.1	0.0412	102	0.22
Metazachlor	µg/l	0.65	±	0.0424	0.616	0.154	0.0583	94.8	-0.58
Metazachlor ESA	µg/l	0.201	±	0.0327	0.236	0.059	0.0327	118	1.08

Parameter	Unit	Target	±	CI(99%)	Result	± U	Criteria	Recovery	z-score
Metazachlor OA	µg/l	-	±	-	<0.05 (LOQ)	-	-	-	-
Metolachlor	µg/l	0.193	±	0.0188	0.204	0.051	0.0266	106	0.4
Metolachlor ESA	µg/l	0.28	±	0.0305	0.349	0.087	0.0352	125	1.96
Metolachlor OA	µg/l	0.542	±	0.0718	0.522	0.131	0.0794	96.3	-0.25


Sample
H95 A
H95 B
2,4-D
Alachlor
Alachlor ESA
Alachlor OA
Bentazone
Dichlorprop
Mecoprop
Metazachlor
Metazachlor ESA
Metazachlor OA
Metolachlor
Metolachlor ESA
Metolachlor OA
Measurand
-2
0
2
-2
0
2
z-score

The following results were achieved:

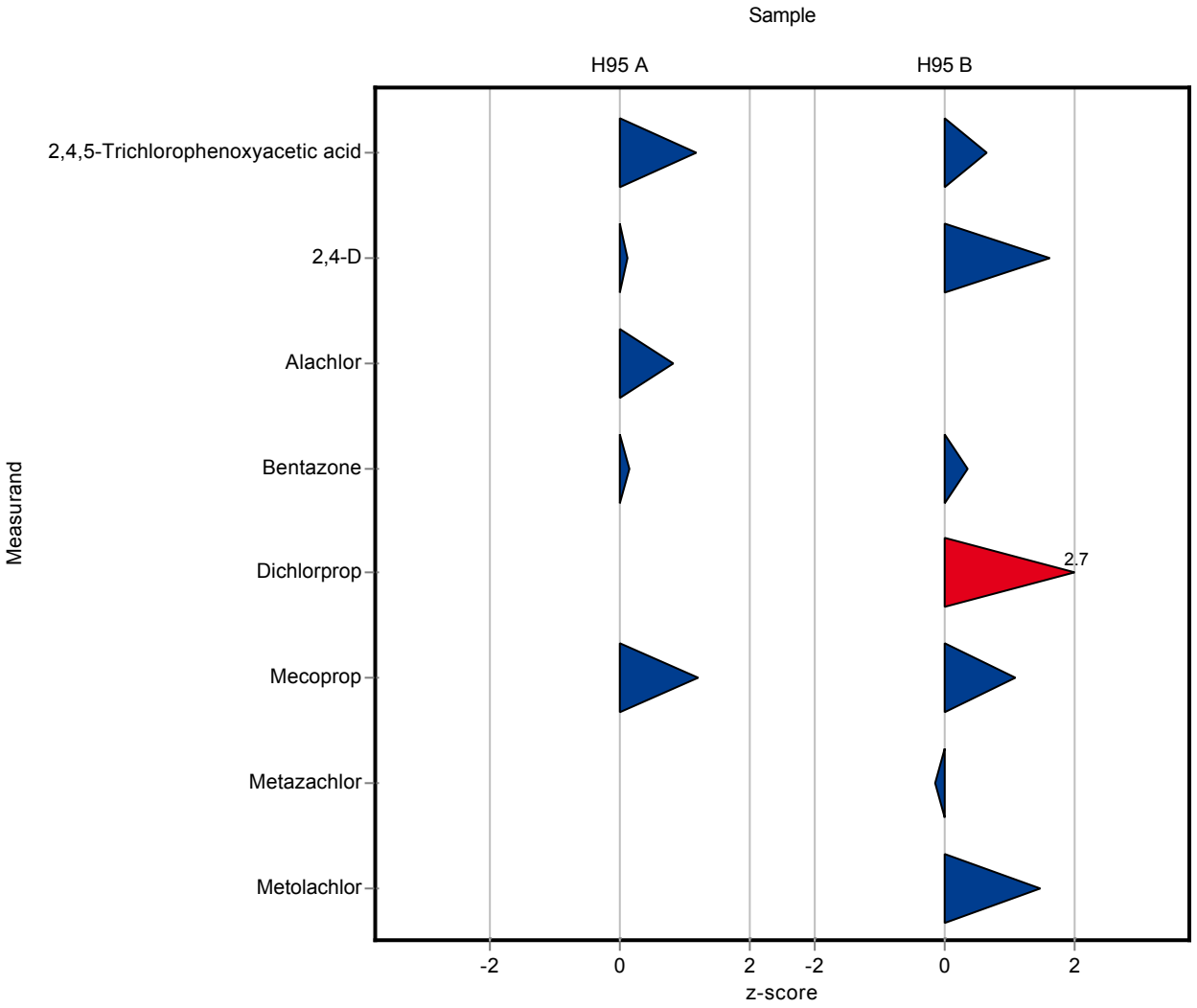
Sample: H95A

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
2,4,5-Trichlorophenoxyacetic acid	µg/l	0.718	± 0.156	0.9412	0.2883	0.187	131	1.19
2,4-D	µg/l	0.571	± 0.0809	0.5856	0.1456	0.108	102	0.13
Alachlor	µg/l	0.601	± 0.0443	0.6463	0.2573	0.0553	108	0.82
Alachlor ESA	µg/l	0.494	± 0.108	-	-	0.0881	-	-
Alachlor OA	µg/l	0.465	± 0.0383	-	-	0.0313	-	-
AMPA	µg/l	0.156	± 0.0221	-	-	0.0195	-	-
Bentazone	µg/l	0.303	± 0.0581	0.3153	0.0559	0.0821	104	0.15
Dicamba	µg/l	0.362	± 0.0657	<0.5 (LOQ)	-	0.0758	-	-
Dichlorprop	µg/l	-	± -	<0.02 (LOQ)	-	-	-	-
Glufosinate	µg/l	0.412	± 0.0135	-	-	0.011	-	-
Glyphosate	µg/l	-	± -	-	-	-	-	-
Mecoprop	µg/l	0.237	± 0.0292	0.284	0.0844	0.0389	120	1.2
Metazachlor	µg/l	-	± -	<0.03 (LOQ)	-	-	-	-
Metazachlor ESA	µg/l	0.672	± 0.182	-	-	0.192	-	-
Metazachlor OA	µg/l	0.0805	± 0.0111	-	-	0.00905	-	-
Metolachlor	µg/l	-	± -	<0.02 (LOQ)	-	-	-	-
Metolachlor ESA	µg/l	0.196	± 0.0323	-	-	0.0357	-	-
Metolachlor OA	µg/l	0.282	± 0.0314	-	-	0.0331	-	-

Sample: H95B

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
2,4,5-Trichlorophenoxyacetic acid	µg/l	0.34	± 0.0704	0.3939	0.1207	0.0846	116	0.64
2,4-D	µg/l	0.311	± 0.0291	0.3715	0.0924	0.0376	119	1.6
Alachlor	µg/l	-	± -	<0.02 (LOQ)	-	-	-	-
Alachlor ESA	µg/l	0.836	± 0.19	-	-	0.155	-	-
Alachlor OA	µg/l	0.641	± 0.115	-	-	0.109	-	-
AMPA	µg/l	0.924	± 0.137	-	-	0.137	-	-
Bentazone	µg/l	0.501	± 0.061	0.5292	0.0938	0.0813	106	0.34
Dicamba	µg/l	0.292	± 0.06	<0.5 (LOQ)	-	0.0693	-	-
Dichlorprop	µg/l	0.821	± 0.0943	1.1654	0.4219	0.126	142	2.74
Glufosinate	µg/l	0.349	± 0.101	-	-	0.101	-	-
Glyphosate	µg/l	0.544	± 0.177	-	-	0.177	-	-
Mecoprop	µg/l	0.391	± 0.0319	0.4357	0.1295	0.0412	111	1.09
Metazachlor	µg/l	0.65	± 0.0424	0.6405	-	0.0583	98.5	-0.16
Metazachlor ESA	µg/l	0.201	± 0.0327	-	-	0.0327	-	-

Parameter	Unit	Target	±	CI(99%)	Result	± U	Criteria	Recovery	z-score
Metazachlor OA	µg/l	-	±	-	-	-	-	-	-
Metolachlor	µg/l	0.193	±	0.0188	0.2322	0.0744	0.0266	120	1.46
Metolachlor ESA	µg/l	0.28	±	0.0305	-	-	0.0352	-	-
Metolachlor OA	µg/l	0.542	±	0.0718	-	-	0.0794	-	-


Sample
H95 A
H95 B
2,4,5-Trichlorophenoxyacetic acid
2,4-D
Alachlor
Bentazone
Dichlorprop
Mecoprop
Metazachlor
Metolachlor
Measurand
2.7
-2
0
2
-2
0
2
z-score

The following results were achieved:

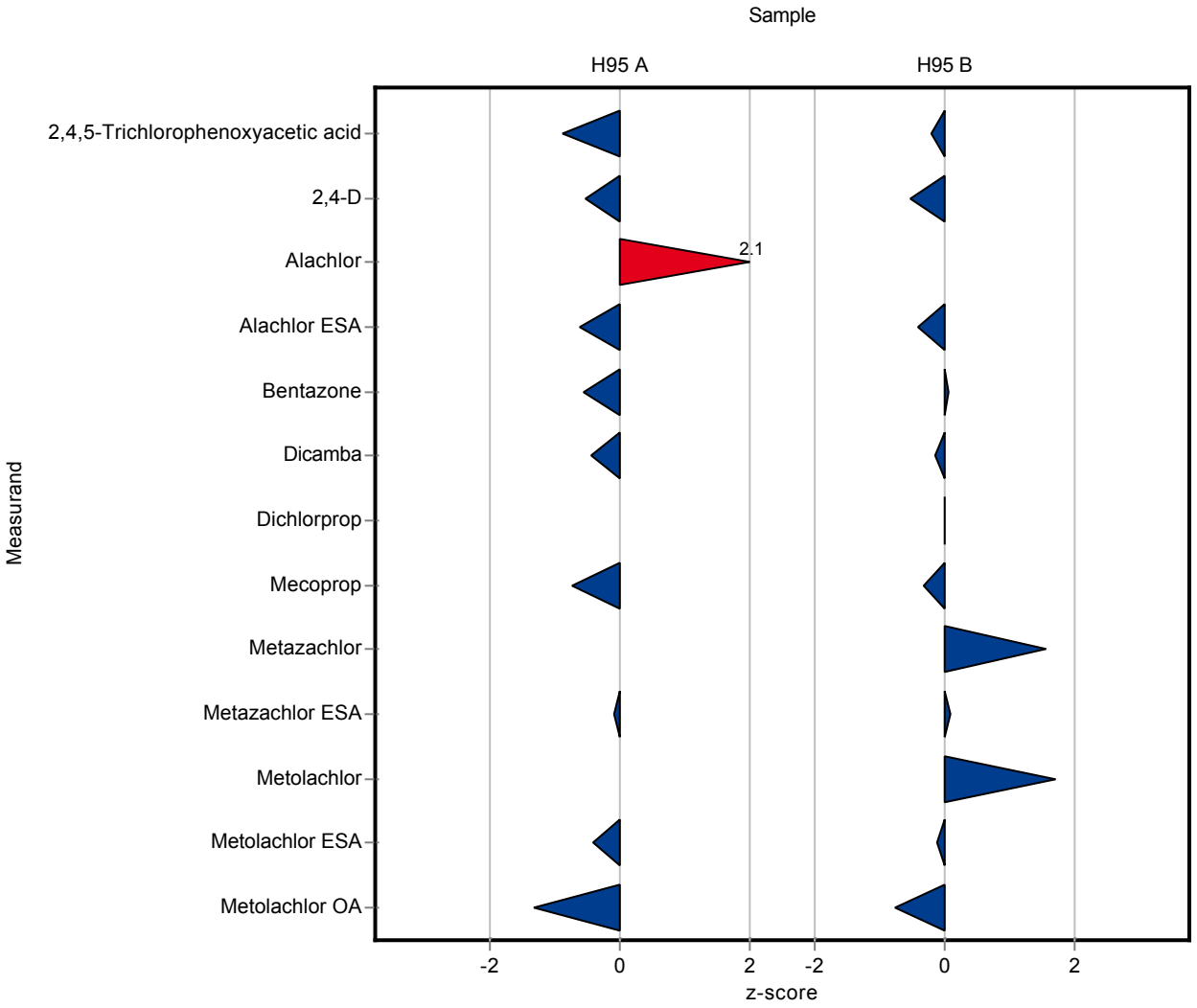
Sample: H95A

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
2,4,5-Trichlorophenoxyacetic acid	µg/l	0.718	± 0.156	0.552	0.083	0.187	76.8	-0.89
2,4-D	µg/l	0.571	± 0.0809	0.515	0.08	0.108	90.1	-0.52
Alachlor	µg/l	0.601	± 0.0443	0.718	0.11	0.0553	120	2.12
Alachlor ESA	µg/l	0.494	± 0.108	0.44	0.07	0.0881	89.1	-0.61
Alachlor OA	µg/l	0.465	± 0.0383	-	-	0.0313	-	-
AMPA	µg/l	0.156	± 0.0221	-	-	0.0195	-	-
Bentazone	µg/l	0.303	± 0.0581	0.257	0.04	0.0821	84.9	-0.56
Dicamba	µg/l	0.362	± 0.0657	0.329	0.05	0.0758	91	-0.43
Dichlorprop	µg/l	-	± -	<0.03 (LOQ)	-	-	-	-
Glufosinate	µg/l	0.412	± 0.0135	-	-	0.011	-	-
Glyphosate	µg/l	-	± -	-	-	-	-	-
Mecoprop	µg/l	0.237	± 0.0292	0.209	0.031	0.0389	88.1	-0.72
Metazachlor	µg/l	-	± -	<0.05 (LOQ)	-	-	-	-
Metazachlor ESA	µg/l	0.672	± 0.182	0.655	0.1	0.192	97.5	-0.09
Metazachlor OA	µg/l	0.0805	± 0.0111	<0.1 (LOQ)	-	0.00905	-	-
Metolachlor	µg/l	-	± -	<0.03 (LOQ)	-	-	-	-
Metolachlor ESA	µg/l	0.196	± 0.0323	0.182	0.03	0.0357	92.8	-0.4
Metolachlor OA	µg/l	0.282	± 0.0314	0.239	0.04	0.0331	84.8	-1.3

Sample: H95B

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
2,4,5-Trichlorophenoxyacetic acid	µg/l	0.34	± 0.0704	0.321	0.05	0.0846	94.4	-0.22
2,4-D	µg/l	0.311	± 0.0291	0.291	0.044	0.0376	93.5	-0.54
Alachlor	µg/l	-	± -	<0.03 (LOQ)	-	-	-	-
Alachlor ESA	µg/l	0.836	± 0.19	0.772	0.116	0.155	92.3	-0.41
Alachlor OA	µg/l	0.641	± 0.115	-	-	0.109	-	-
AMPA	µg/l	0.924	± 0.137	-	-	0.137	-	-
Bentazone	µg/l	0.501	± 0.061	0.506	0.08	0.0813	101	0.06
Dicamba	µg/l	0.292	± 0.06	0.28	0.042	0.0693	96	-0.17
Dichlorprop	µg/l	0.821	± 0.0943	0.821	0.123	0.126	100	0.00
Glufosinate	µg/l	0.349	± 0.101	-	-	0.101	-	-
Glyphosate	µg/l	0.544	± 0.177	-	-	0.177	-	-
Mecoprop	µg/l	0.391	± 0.0319	0.377	0.06	0.0412	96.4	-0.34
Metazachlor	µg/l	0.65	± 0.0424	0.741	0.11	0.0583	114	1.56
Metazachlor ESA	µg/l	0.201	± 0.0327	0.203	0.03	0.0327	101	0.07

Parameter	Unit	Target	±	CI(99%)	Result	± U	Criteria	Recovery	z-score
Metazachlor OA	µg/l	-	±	-	<0.1 (LOQ)	-	-	-	-
Metolachlor	µg/l	0.193	±	0.0188	0.238	0.036	0.0266	123	1.68
Metolachlor ESA	µg/l	0.28	±	0.0305	0.276	0.04	0.0352	98.5	-0.12
Metolachlor OA	µg/l	0.542	±	0.0718	0.482	0.072	0.0794	88.9	-0.76


Sample
H95 A
H95 B
2,4,5-Trichlorophenoxyacetic acid
2,4-D
Alachlor
Alachlor ESA
Bentazone
Dicamba
Dichlorprop
Mecoprop
Metazachlor
Metazachlor ESA
Metolachlor
Metolachlor ESA
Metolachlor OA
2.1
Measurand
-2
0
2
-2
0
2
z-score

The following results were achieved:

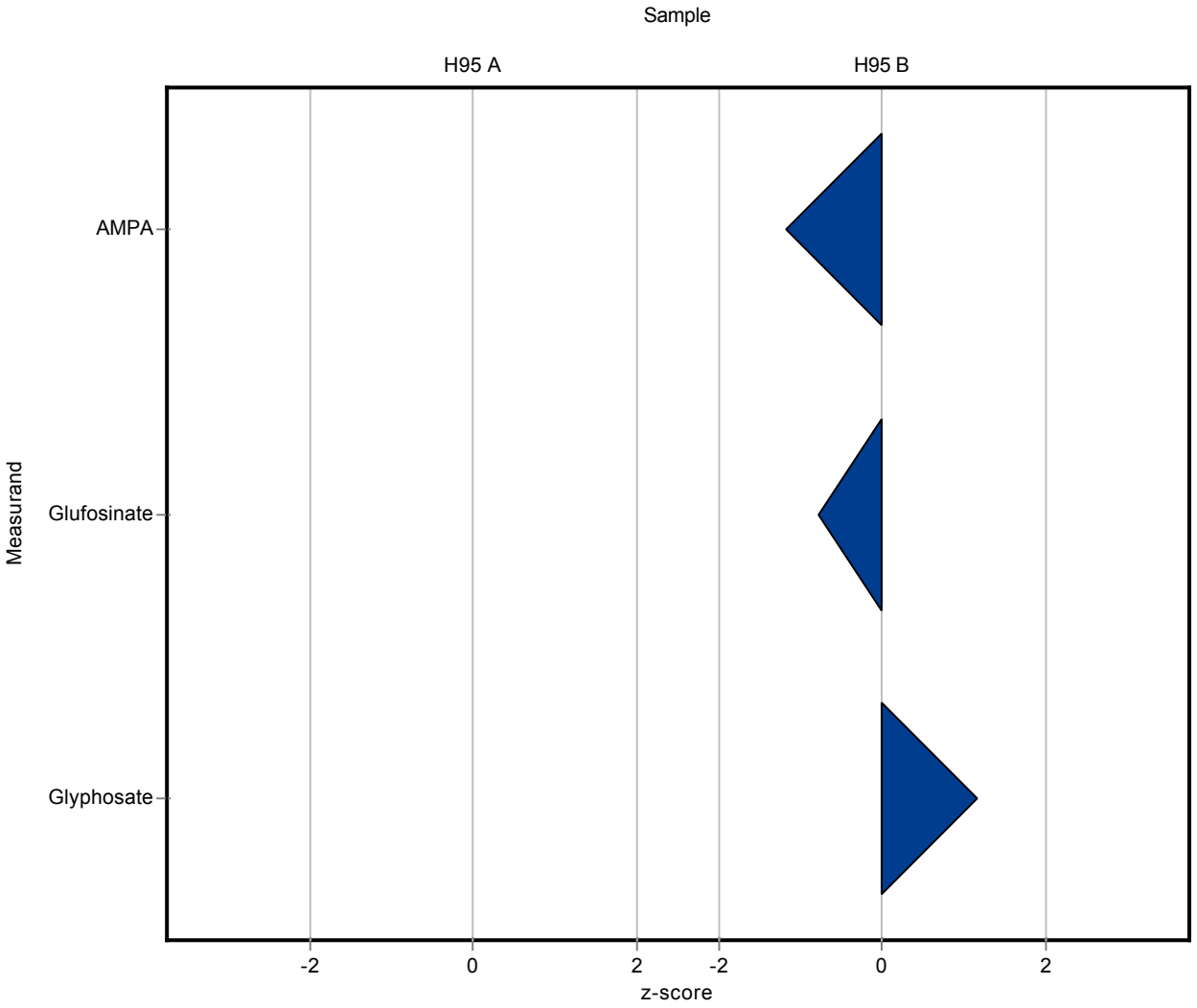
Sample: H95A

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
2,4,5-Trichlorophenoxyacetic acid	µg/l	0.718	± 0.156	-	-	0.187	-	-
2,4-D	µg/l	0.571	± 0.0809	-	-	0.108	-	-
Alachlor	µg/l	0.601	± 0.0443	-	-	0.0553	-	-
Alachlor ESA	µg/l	0.494	± 0.108	-	-	0.0881	-	-
Alachlor OA	µg/l	0.465	± 0.0383	-	-	0.0313	-	-
AMPA	µg/l	0.156	± 0.0221	-	-	0.0195	-	-
Bentazone	µg/l	0.303	± 0.0581	-	-	0.0821	-	-
Dicamba	µg/l	0.362	± 0.0657	-	-	0.0758	-	-
Dichlorprop	µg/l	-	± -	-	-	-	-	-
Glufosinate	µg/l	0.412	± 0.0135	-	-	0.011	-	-
Glyphosate	µg/l	-	± -	-	-	-	-	-
Mecoprop	µg/l	0.237	± 0.0292	-	-	0.0389	-	-
Metazachlor	µg/l	-	± -	-	-	-	-	-
Metazachlor ESA	µg/l	0.672	± 0.182	-	-	0.192	-	-
Metazachlor OA	µg/l	0.0805	± 0.0111	-	-	0.00905	-	-
Metolachlor	µg/l	-	± -	-	-	-	-	-
Metolachlor ESA	µg/l	0.196	± 0.0323	-	-	0.0357	-	-
Metolachlor OA	µg/l	0.282	± 0.0314	-	-	0.0331	-	-

Sample: H95B

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
2,4,5-Trichlorophenoxyacetic acid	µg/l	0.34	± 0.0704	-	-	0.0846	-	-
2,4-D	µg/l	0.311	± 0.0291	-	-	0.0376	-	-
Alachlor	µg/l	-	± -	-	-	-	-	-
Alachlor ESA	µg/l	0.836	± 0.19	-	-	0.155	-	-
Alachlor OA	µg/l	0.641	± 0.115	-	-	0.109	-	-
AMPA	µg/l	0.924	± 0.137	0.764	0.191	0.137	82.6	-1.17
Bentazone	µg/l	0.501	± 0.061	-	-	0.0813	-	-
Dicamba	µg/l	0.292	± 0.06	-	-	0.0693	-	-
Dichlorprop	µg/l	0.821	± 0.0943	-	-	0.126	-	-
Glufosinate	µg/l	0.349	± 0.101	0.27	0.068	0.101	77.3	-0.79
Glyphosate	µg/l	0.544	± 0.177	0.749	0.187	0.177	138	1.16
Mecoprop	µg/l	0.391	± 0.0319	-	-	0.0412	-	-
Metazachlor	µg/l	0.65	± 0.0424	-	-	0.0583	-	-
Metazachlor ESA	µg/l	0.201	± 0.0327	-	-	0.0327	-	-

Parameter	Unit	Target	±	CI(99%)	Result	± U	Criteria	Recovery	z-score
Metazachlor OA	µg/l	-	±	-	-	-	-	-	-
Metolachlor	µg/l	0.193	±	0.0188	-	-	0.0266	-	-
Metolachlor ESA	µg/l	0.28	±	0.0305	-	-	0.0352	-	-
Metolachlor OA	µg/l	0.542	±	0.0718	-	-	0.0794	-	-


Sample
H95 A
H95 B
AMPA
Glufosinate
Glyphosate
Measurand
-2
0
2
-2
0
2
z-score

The following results were achieved:

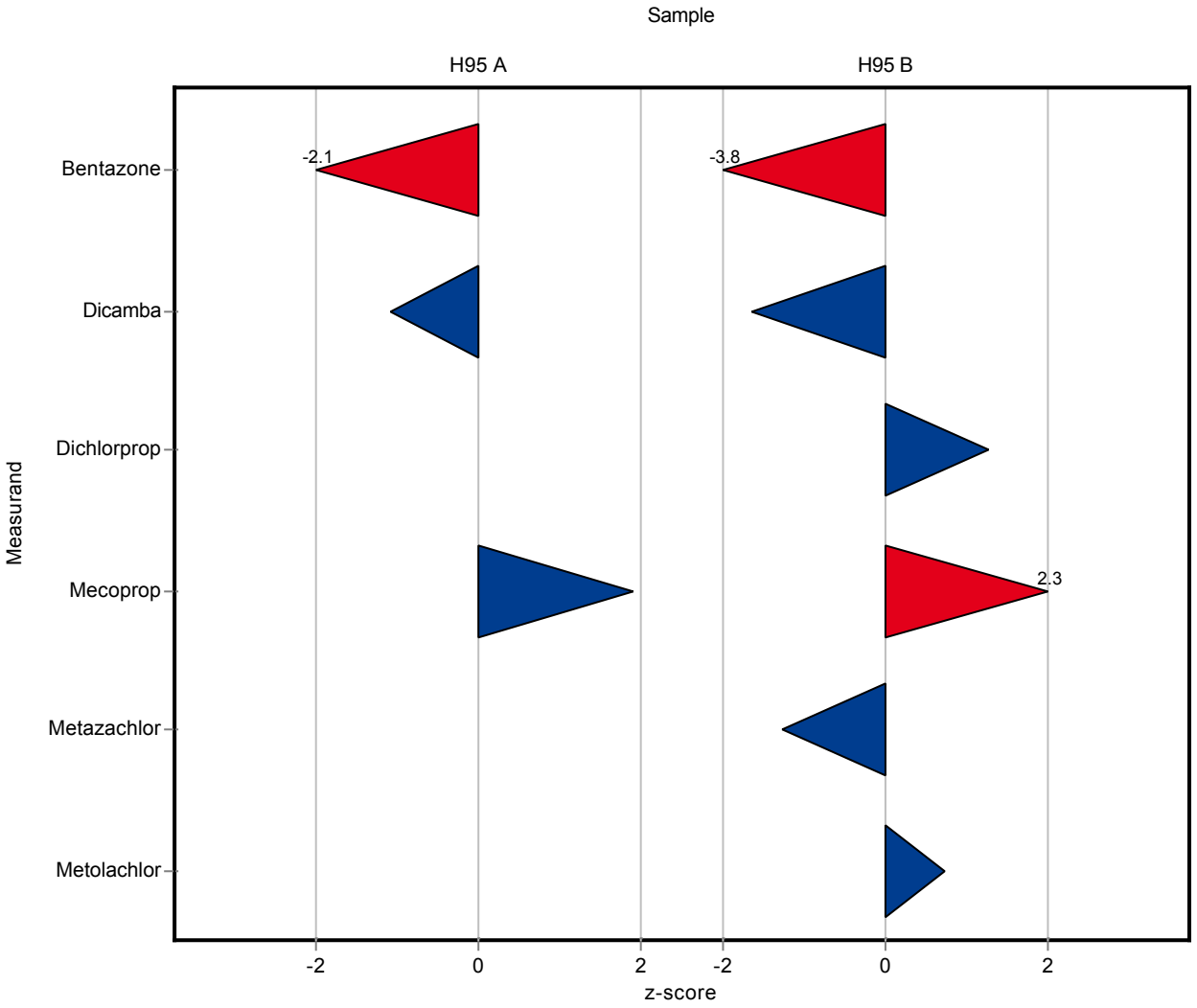
Sample: H95A

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
2,4,5-Trichlorophenoxyacetic acid	µg/l	0.718	± 0.156	-	-	0.187	-	-
2,4-D	µg/l	0.571	± 0.0809	-	-	0.108	-	-
Alachlor	µg/l	0.601	± 0.0443	-	-	0.0553	-	-
Alachlor ESA	µg/l	0.494	± 0.108	-	-	0.0881	-	-
Alachlor OA	µg/l	0.465	± 0.0383	-	-	0.0313	-	-
AMPA	µg/l	0.156	± 0.0221	-	-	0.0195	-	-
Bentazone	µg/l	0.303	± 0.0581	0.129	-	0.0821	42.6	-2.11
Dicamba	µg/l	0.362	± 0.0657	0.279	-	0.0758	77.2	-1.09
Dichlorprop	µg/l	-	± -	-	-	-	-	-
Glufosinate	µg/l	0.412	± 0.0135	-	-	0.011	-	-
Glyphosate	µg/l	-	± -	-	-	-	-	-
Mecoprop	µg/l	0.237	± 0.0292	0.311	-	0.0389	131	1.9
Metazachlor	µg/l	-	± -	-	-	-	-	-
Metazachlor ESA	µg/l	0.672	± 0.182	-	-	0.192	-	-
Metazachlor OA	µg/l	0.0805	± 0.0111	-	-	0.00905	-	-
Metolachlor	µg/l	-	± -	-	-	-	-	-
Metolachlor ESA	µg/l	0.196	± 0.0323	-	-	0.0357	-	-
Metolachlor OA	µg/l	0.282	± 0.0314	-	-	0.0331	-	-

Sample: H95B

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
2,4,5-Trichlorophenoxyacetic acid	µg/l	0.34	± 0.0704	-	-	0.0846	-	-
2,4-D	µg/l	0.311	± 0.0291	-	-	0.0376	-	-
Alachlor	µg/l	-	± -	-	-	-	-	-
Alachlor ESA	µg/l	0.836	± 0.19	-	-	0.155	-	-
Alachlor OA	µg/l	0.641	± 0.115	-	-	0.109	-	-
AMPA	µg/l	0.924	± 0.137	-	-	0.137	-	-
Bentazone	µg/l	0.501	± 0.061	0.193	-	0.0813	38.5	-3.79
Dicamba	µg/l	0.292	± 0.06	0.178	-	0.0693	61	-1.64
Dichlorprop	µg/l	0.821	± 0.0943	0.981	-	0.126	120	1.27
Glufosinate	µg/l	0.349	± 0.101	-	-	0.101	-	-
Glyphosate	µg/l	0.544	± 0.177	-	-	0.177	-	-
Mecoprop	µg/l	0.391	± 0.0319	0.486	-	0.0412	124	2.31
Metazachlor	µg/l	0.65	± 0.0424	0.576	-	0.0583	88.6	-1.27
Metazachlor ESA	µg/l	0.201	± 0.0327	-	-	0.0327	-	-

Parameter	Unit	Target	±	CI(99%)	Result	± U	Criteria	Recovery	z-score
Metazachlor OA	µg/l	-	±	-	-	-	-	-	-
Metolachlor	µg/l	0.193	±	0.0188	0.213	-	0.0266	110	0.74
Metolachlor ESA	µg/l	0.28	±	0.0305	-	-	0.0352	-	-
Metolachlor OA	µg/l	0.542	±	0.0718	-	-	0.0794	-	-


Sample
H95 A
H95 B
Bentazone
Dicamba
Dichlorprop
Mecoprop
Metazachlor
Metolachlor
Measurand
-2.1
-3.8
2.3
-2
0
2
-2
0
2
z-score

The following results were achieved:

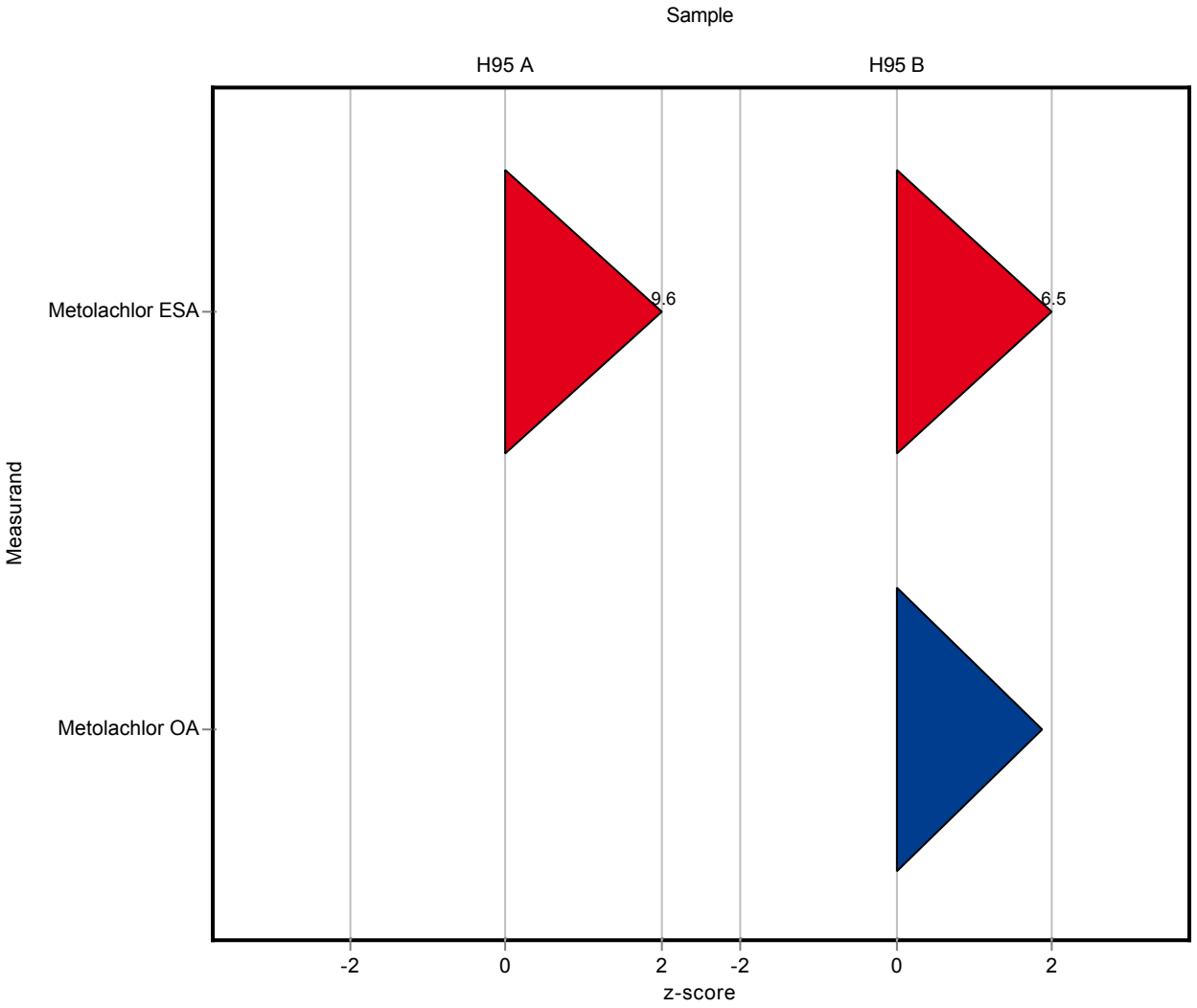
Sample: H95A

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
2,4,5-Trichlorophenoxyacetic acid	µg/l	0.718	± 0.156	-	-	0.187	-	-
2,4-D	µg/l	0.571	± 0.0809	-	-	0.108	-	-
Alachlor	µg/l	0.601	± 0.0443	-	-	0.0553	-	-
Alachlor ESA	µg/l	0.494	± 0.108	-	-	0.0881	-	-
Alachlor OA	µg/l	0.465	± 0.0383	-	-	0.0313	-	-
AMPA	µg/l	0.156	± 0.0221	-	-	0.0195	-	-
Bentazone	µg/l	0.303	± 0.0581	-	-	0.0821	-	-
Dicamba	µg/l	0.362	± 0.0657	-	-	0.0758	-	-
Dichlorprop	µg/l	-	± -	-	-	-	-	-
Glufosinate	µg/l	0.412	± 0.0135	-	-	0.011	-	-
Glyphosate	µg/l	-	± -	-	-	-	-	-
Mecoprop	µg/l	0.237	± 0.0292	-	-	0.0389	-	-
Metazachlor	µg/l	-	± -	-	-	-	-	-
Metazachlor ESA	µg/l	0.672	± 0.182	-	-	0.192	-	-
Metazachlor OA	µg/l	0.0805	± 0.0111	-	-	0.00905	-	-
Metolachlor	µg/l	-	± -	-	-	-	-	-
Metolachlor ESA	µg/l	0.196	± 0.0323	0.54	0.11	0.0357	275	9.64
Metolachlor OA	µg/l	0.282	± 0.0314	<0.5 (LOQ)	-	0.0331	-	-

Sample: H95B

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
2,4,5-Trichlorophenoxyacetic acid	µg/l	0.34	± 0.0704	-	-	0.0846	-	-
2,4-D	µg/l	0.311	± 0.0291	-	-	0.0376	-	-
Alachlor	µg/l	-	± -	-	-	-	-	-
Alachlor ESA	µg/l	0.836	± 0.19	-	-	0.155	-	-
Alachlor OA	µg/l	0.641	± 0.115	-	-	0.109	-	-
AMPA	µg/l	0.924	± 0.137	-	-	0.137	-	-
Bentazone	µg/l	0.501	± 0.061	-	-	0.0813	-	-
Dicamba	µg/l	0.292	± 0.06	-	-	0.0693	-	-
Dichlorprop	µg/l	0.821	± 0.0943	-	-	0.126	-	-
Glufosinate	µg/l	0.349	± 0.101	-	-	0.101	-	-
Glyphosate	µg/l	0.544	± 0.177	-	-	0.177	-	-
Mecoprop	µg/l	0.391	± 0.0319	-	-	0.0412	-	-
Metazachlor	µg/l	0.65	± 0.0424	-	-	0.0583	-	-
Metazachlor ESA	µg/l	0.201	± 0.0327	-	-	0.0327	-	-

Parameter	Unit	Target	±	CI(99%)	Result	± U	Criteria	Recovery	z-score
Metazachlor OA	µg/l	-	±	-	-	-	-	-	-
Metolachlor	µg/l	0.193	±	0.0188	-	-	0.0266	-	-
Metolachlor ESA	µg/l	0.28	±	0.0305	0.51	0.1	0.0352	182	6.53
Metolachlor OA	µg/l	0.542	±	0.0718	0.69	0.14	0.0794	127	1.86


Sample
H95 A
H95 B
Metolachlor ESA
Metolachlor OA
Measurand
9.6
6.5
-2
0
2
-2
0
2
z-score

The following results were achieved:

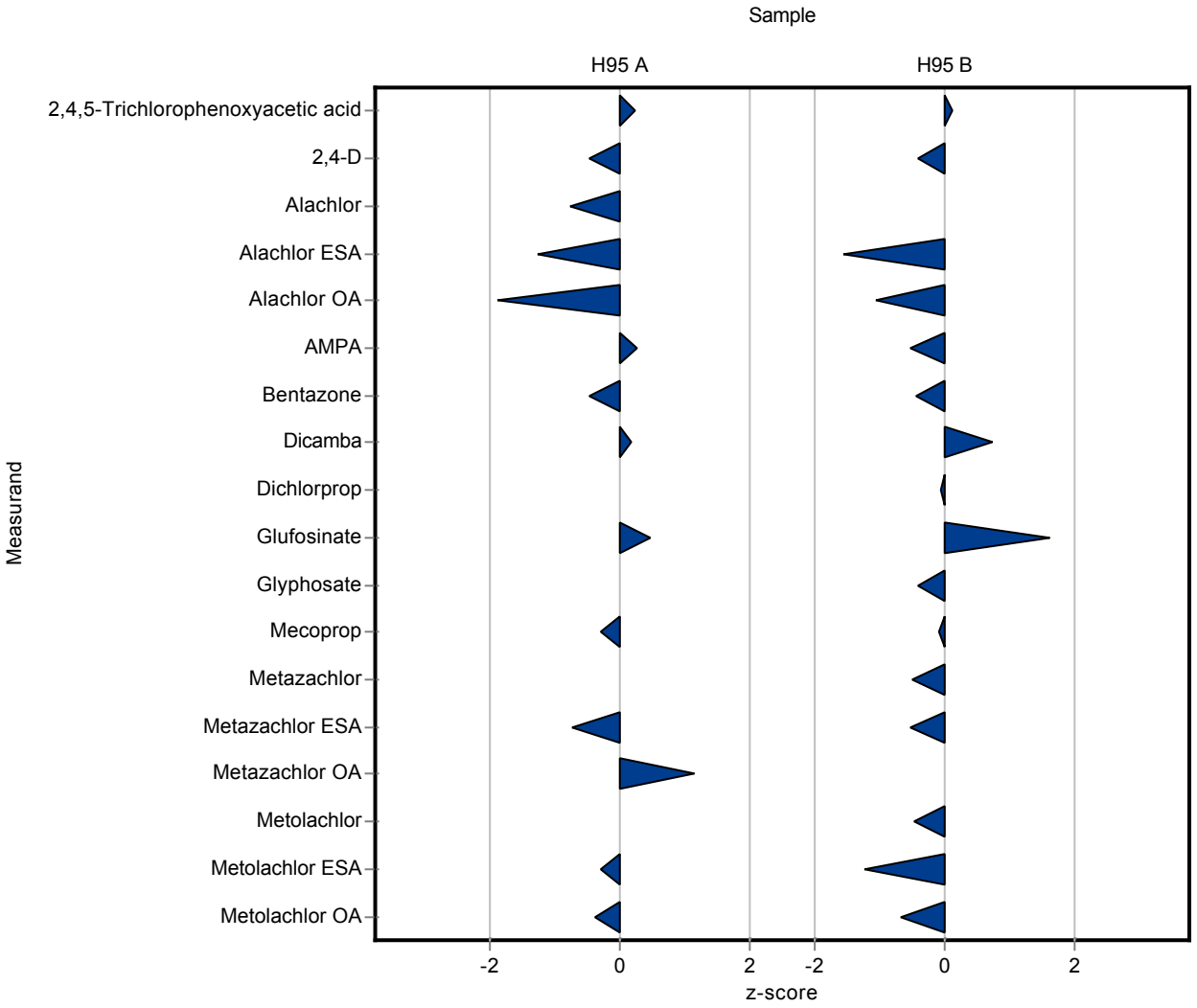
Sample: H95A

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
2,4,5-Trichlorophenoxyacetic acid	µg/l	0.718	± 0.156	0.764	0.115	0.187	106	0.24
2,4-D	µg/l	0.571	± 0.0809	0.52	0.078	0.108	91	-0.48
Alachlor	µg/l	0.601	± 0.0443	0.559	0.084	0.0553	93	-0.76
Alachlor ESA	µg/l	0.494	± 0.108	0.384	0.058	0.0881	77.8	-1.25
Alachlor OA	µg/l	0.465	± 0.0383	0.406	0.061	0.0313	87.3	-1.88
AMPA	µg/l	0.156	± 0.0221	0.161	0.024	0.0195	103	0.28
Bentazone	µg/l	0.303	± 0.0581	0.265	0.04	0.0821	87.6	-0.46
Dicamba	µg/l	0.362	± 0.0657	0.376	0.056	0.0758	104	0.19
Dichlorprop	µg/l	-	± -	<0.05 (LOQ)	-	-	-	-
Glufosinate	µg/l	0.412	± 0.0135	0.417	0.063	0.011	101	0.49
Glyphosate	µg/l	-	± -	<0.05 (LOQ)	-	-	-	-
Mecoprop	µg/l	0.237	± 0.0292	0.226	0.034	0.0389	95.3	-0.29
Metazachlor	µg/l	-	± -	<0.05 (LOQ)	-	-	-	-
Metazachlor ESA	µg/l	0.672	± 0.182	0.534	0.08	0.192	79.5	-0.72
Metazachlor OA	µg/l	0.0805	± 0.0111	0.091	0.014	0.00905	113	1.16
Metolachlor	µg/l	-	± -	<0.05 (LOQ)	-	-	-	-
Metolachlor ESA	µg/l	0.196	± 0.0323	0.186	0.028	0.0357	94.9	-0.28
Metolachlor OA	µg/l	0.282	± 0.0314	0.27	0.041	0.0331	95.7	-0.36

Sample: H95B

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
2,4,5-Trichlorophenoxyacetic acid	µg/l	0.34	± 0.0704	0.349	0.052	0.0846	103	0.11
2,4-D	µg/l	0.311	± 0.0291	0.295	0.044	0.0376	94.8	-0.43
Alachlor	µg/l	-	± -	<0.05 (LOQ)	-	-	-	-
Alachlor ESA	µg/l	0.836	± 0.19	0.592	0.089	0.155	70.8	-1.58
Alachlor OA	µg/l	0.641	± 0.115	0.524	0.079	0.109	81.8	-1.07
AMPA	µg/l	0.924	± 0.137	0.852	0.128	0.137	92.2	-0.53
Bentazone	µg/l	0.501	± 0.061	0.465	0.069	0.0813	92.8	-0.45
Dicamba	µg/l	0.292	± 0.06	0.343	0.051	0.0693	118	0.74
Dichlorprop	µg/l	0.821	± 0.0943	0.813	0.122	0.126	99.1	-0.06
Glufosinate	µg/l	0.349	± 0.101	0.512	0.077	0.101	147	1.62
Glyphosate	µg/l	0.544	± 0.177	0.47	0.071	0.177	86.5	-0.42
Mecoprop	µg/l	0.391	± 0.0319	0.387	0.058	0.0412	99	-0.09
Metazachlor	µg/l	0.65	± 0.0424	0.62	0.093	0.0583	95.4	-0.51
Metazachlor ESA	µg/l	0.201	± 0.0327	0.183	0.027	0.0327	91.2	-0.54

Parameter	Unit	Target	±	CI(99%)	Result	± U	Criteria	Recovery	z-score
Metazachlor OA	µg/l	-	±	-	<0.05 (LOQ)	-	-	-	-
Metolachlor	µg/l	0.193	±	0.0188	0.181	0.027	0.0266	93.7	-0.46
Metolachlor ESA	µg/l	0.28	±	0.0305	0.236	0.035	0.0352	84.3	-1.25
Metolachlor OA	µg/l	0.542	±	0.0718	0.487	0.073	0.0794	89.8	-0.69


Sample
H95 A
H95 B
2,4,5-Trichlorophenoxyacetic acid
2,4-D
Alachlor
Alachlor ESA
Alachlor OA
AMPA
Bentazone
Dicamba
Dichlorprop
Glufosinate
Glyphosate
Mecoprop
Metazachlor
Metazachlor ESA
Metazachlor OA
Metolachlor
Metolachlor ESA
Metolachlor OA
Measurand
-2
0
2
-2
0
2
z-score

The following results were achieved:

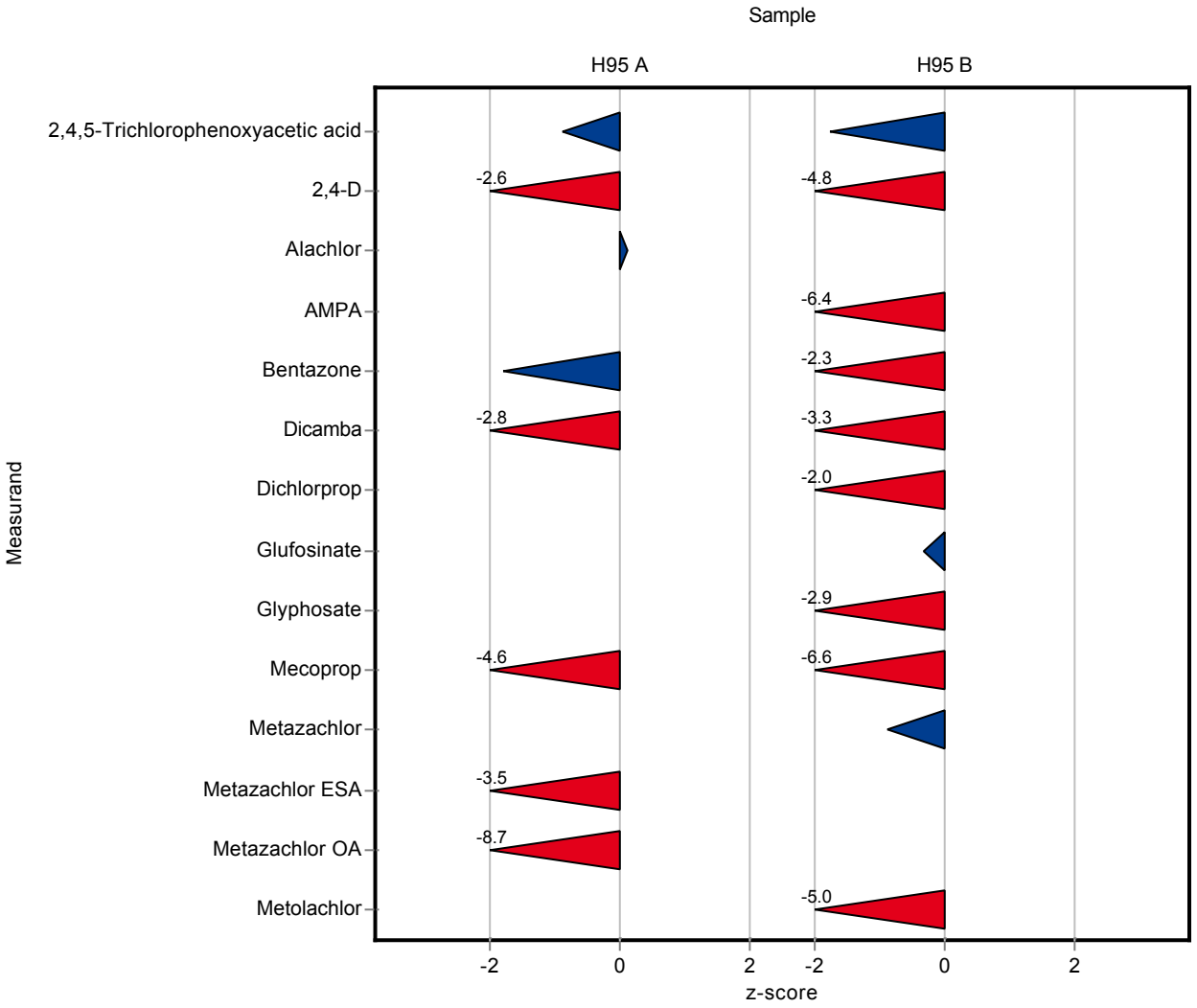
Sample: H95A

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
2,4,5-Trichlorophenoxyacetic acid	µg/l	0.718	± 0.156	0.55458	0.0026	0.187	77.2	-0.87
2,4-D	µg/l	0.571	± 0.0809	0.28891	0.0024	0.108	50.6	-2.62
Alachlor	µg/l	0.601	± 0.0443	0.608	0.0187	0.0553	101	0.13
Alachlor ESA	µg/l	0.494	± 0.108	-	-	0.0881	-	-
Alachlor OA	µg/l	0.465	± 0.0383	-	-	0.0313	-	-
AMPA	µg/l	0.156	± 0.0221	<0.01 (LOQ)	-	0.0195	-	-
Bentazone	µg/l	0.303	± 0.0581	0.15614	0.0015	0.0821	51.6	-1.78
Dicamba	µg/l	0.362	± 0.0657	0.14634	0.0034	0.0758	40.5	-2.84
Dichlorprop	µg/l	-	± -	<0.005 (LOQ)	-	-	-	-
Glufosinate	µg/l	0.412	± 0.0135	<0.005 (LOQ)	-	0.011	-	-
Glyphosate	µg/l	-	± -	<0.01 (LOQ)	-	-	-	-
Mecoprop	µg/l	0.237	± 0.0292	0.05971	0.0012	0.0389	25.2	-4.56
Metazachlor	µg/l	-	± -	<0.00983	-	-	-	-
Metazachlor ESA	µg/l	0.672	± 0.182	0.00286	0.0018	0.192	0.4	-3.49
Metazachlor OA	µg/l	0.0805	± 0.0111	0.00179	0.0018	0.00905	2.2	-8.7
Metolachlor	µg/l	-	± -	<0.00128	-	-	-	-
Metolachlor ESA	µg/l	0.196	± 0.0323	-	-	0.0357	-	-
Metolachlor OA	µg/l	0.282	± 0.0314	-	-	0.0331	-	-

Sample: H95B

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
2,4,5-Trichlorophenoxyacetic acid	µg/l	0.34	± 0.0704	0.19036	0.002	0.0846	56	-1.77
2,4-D	µg/l	0.311	± 0.0291	0.12995	0.0021	0.0376	41.8	-4.82
Alachlor	µg/l	-	± -	0.0344	0.0187	-	-	-
Alachlor ESA	µg/l	0.836	± 0.19	-	-	0.155	-	-
Alachlor OA	µg/l	0.641	± 0.115	-	-	0.109	-	-
AMPA	µg/l	0.924	± 0.137	0.04965	0.0024	0.137	5.4	-6.39
Bentazone	µg/l	0.501	± 0.061	0.31215	0.0017	0.0813	62.3	-2.33
Dicamba	µg/l	0.292	± 0.06	0.06497	0.002	0.0693	22.3	-3.27
Dichlorprop	µg/l	0.821	± 0.0943	0.56306	0.0029	0.126	68.6	-2.05
Glufosinate	µg/l	0.349	± 0.101	0.31678	0.0035	0.101	90.7	-0.32
Glyphosate	µg/l	0.544	± 0.177	0.02143	0.0021	0.177	3.9	-2.95
Mecoprop	µg/l	0.391	± 0.0319	0.11835	0.0019	0.0412	30.3	-6.61
Metazachlor	µg/l	0.65	± 0.0424	0.59768	0.0031	0.0583	92	-0.9
Metazachlor ESA	µg/l	0.201	± 0.0327	<0.00102	-	0.0327	-	-

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
Metazachlor OA	µg/l	-	± -	0.00553	0.0018	-	-	-
Metolachlor	µg/l	0.193	± 0.0188	0.05938	0.0019	0.0266	30.7	-5.04
Metolachlor ESA	µg/l	0.28	± 0.0305	-	-	0.0352	-	-
Metolachlor OA	µg/l	0.542	± 0.0718	-	-	0.0794	-	-


Sample
H95 A
H95 B
Measurand
2,4,5-Trichlorophenoxyacetic acid
2,4-D
Alachlor
AMPA
Bentazone
Dicamba
Dichlorprop
Glufosinate
Glyphosate
Mecoprop
Metazachlor
Metazachlor ESA
Metazachlor OA
Metolachlor
-2.6
-4.8
-6.4
-2.3
-2.8
-3.3
-2.0
-2.9
-4.6
-6.6
-3.5
-8.7
-5.0
-2
0
2
z-score

The following results were achieved:

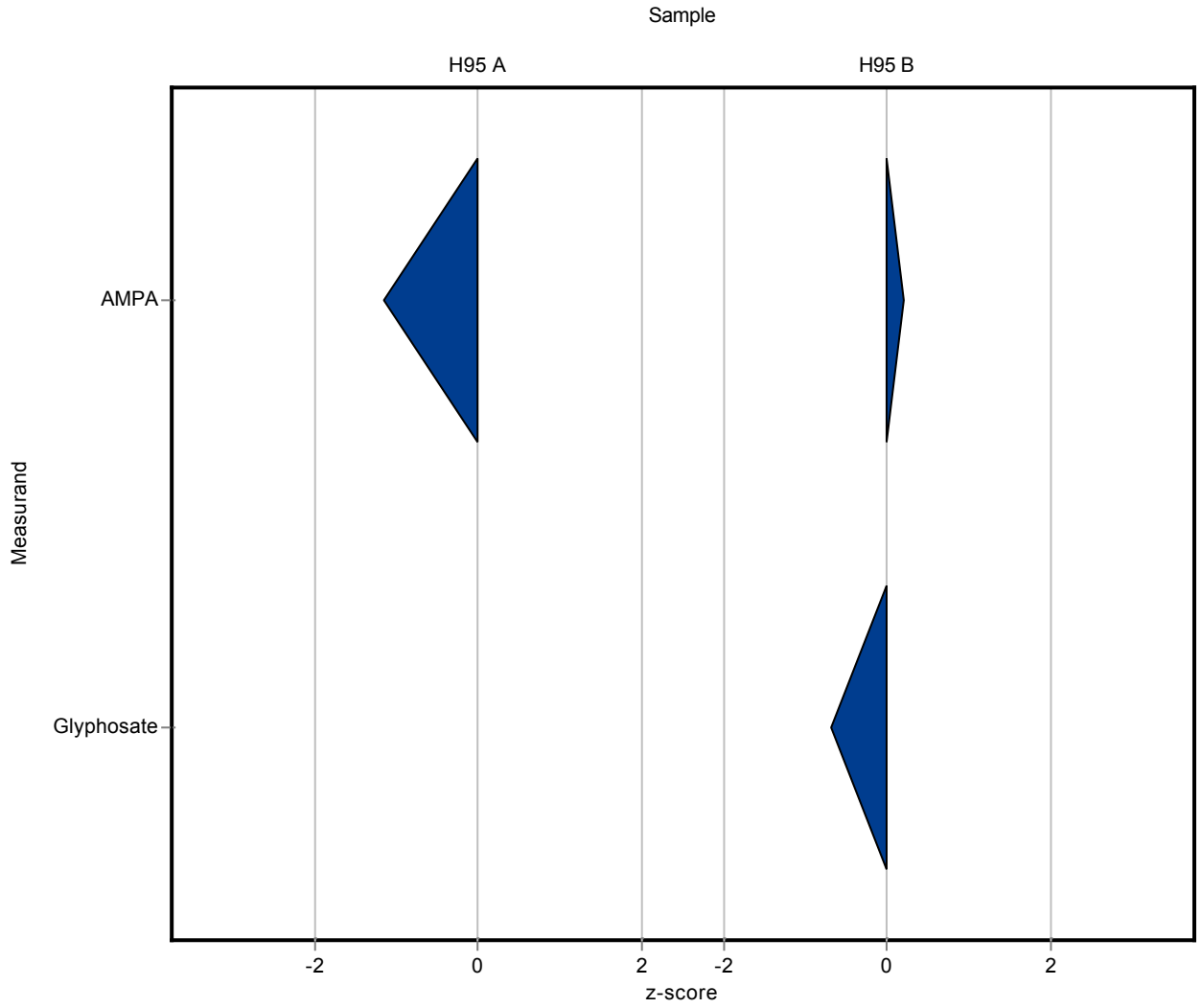
Sample: H95A

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
2,4,5-Trichlorophenoxyacetic acid	µg/l	0.718	± 0.156	-	-	0.187	-	-
2,4-D	µg/l	0.571	± 0.0809	-	-	0.108	-	-
Alachlor	µg/l	0.601	± 0.0443	-	-	0.0553	-	-
Alachlor ESA	µg/l	0.494	± 0.108	-	-	0.0881	-	-
Alachlor OA	µg/l	0.465	± 0.0383	-	-	0.0313	-	-
AMPA	µg/l	0.156	± 0.0221	0.1331	0.0266	0.0195	85.5	-1.15
Bentazone	µg/l	0.303	± 0.0581	-	-	0.0821	-	-
Dicamba	µg/l	0.362	± 0.0657	-	-	0.0758	-	-
Dichlorprop	µg/l	-	± -	-	-	-	-	-
Glufosinate	µg/l	0.412	± 0.0135	-	-	0.011	-	-
Glyphosate	µg/l	-	± -	<0.025 (LOQ)	-	-	-	-
Mecoprop	µg/l	0.237	± 0.0292	-	-	0.0389	-	-
Metazachlor	µg/l	-	± -	-	-	-	-	-
Metazachlor ESA	µg/l	0.672	± 0.182	-	-	0.192	-	-
Metazachlor OA	µg/l	0.0805	± 0.0111	-	-	0.00905	-	-
Metolachlor	µg/l	-	± -	-	-	-	-	-
Metolachlor ESA	µg/l	0.196	± 0.0323	-	-	0.0357	-	-
Metolachlor OA	µg/l	0.282	± 0.0314	-	-	0.0331	-	-

Sample: H95B

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
2,4,5-Trichlorophenoxyacetic acid	µg/l	0.34	± 0.0704	-	-	0.0846	-	-
2,4-D	µg/l	0.311	± 0.0291	-	-	0.0376	-	-
Alachlor	µg/l	-	± -	-	-	-	-	-
Alachlor ESA	µg/l	0.836	± 0.19	-	-	0.155	-	-
Alachlor OA	µg/l	0.641	± 0.115	-	-	0.109	-	-
AMPA	µg/l	0.924	± 0.137	0.9515	0.1903	0.137	103	0.2
Bentazone	µg/l	0.501	± 0.061	-	-	0.0813	-	-
Dicamba	µg/l	0.292	± 0.06	-	-	0.0693	-	-
Dichlorprop	µg/l	0.821	± 0.0943	-	-	0.126	-	-
Glufosinate	µg/l	0.349	± 0.101	-	-	0.101	-	-
Glyphosate	µg/l	0.544	± 0.177	0.4236	0.0847	0.177	77.9	-0.68
Mecoprop	µg/l	0.391	± 0.0319	-	-	0.0412	-	-
Metazachlor	µg/l	0.65	± 0.0424	-	-	0.0583	-	-
Metazachlor ESA	µg/l	0.201	± 0.0327	-	-	0.0327	-	-

Parameter	Unit	Target	±	CI(99%)	Result	± U	Criteria	Recovery	z-score
Metazachlor OA	µg/l	-	±	-	-	-	-	-	-
Metolachlor	µg/l	0.193	±	0.0188	-	-	0.0266	-	-
Metolachlor ESA	µg/l	0.28	±	0.0305	-	-	0.0352	-	-
Metolachlor OA	µg/l	0.542	±	0.0718	-	-	0.0794	-	-


Sample
H95 A
H95 B
AMPA
Glyphosate
Measurand
-2
0
2
-2
0
2
z-score

The following results were achieved:

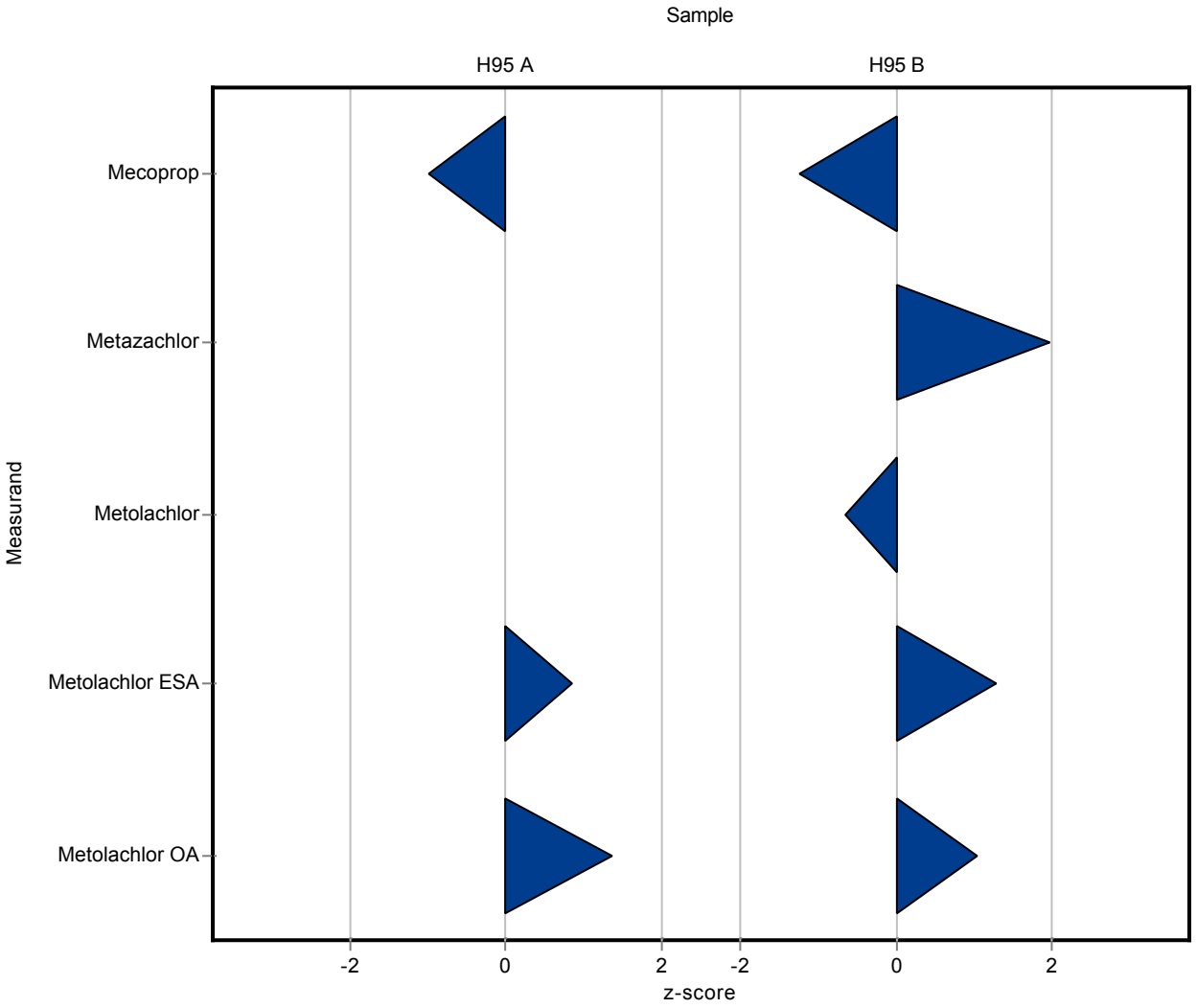
Sample: H95A

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
2,4,5-Trichlorophenoxyacetic acid	µg/l	0.718	± 0.156	-	-	0.187	-	-
2,4-D	µg/l	0.571	± 0.0809	-	-	0.108	-	-
Alachlor	µg/l	0.601	± 0.0443	-	-	0.0553	-	-
Alachlor ESA	µg/l	0.494	± 0.108	-	-	0.0881	-	-
Alachlor OA	µg/l	0.465	± 0.0383	-	-	0.0313	-	-
AMPA	µg/l	0.156	± 0.0221	-	-	0.0195	-	-
Bentazone	µg/l	0.303	± 0.0581	-	-	0.0821	-	-
Dicamba	µg/l	0.362	± 0.0657	-	-	0.0758	-	-
Dichlorprop	µg/l	-	± -	-	-	-	-	-
Glufosinate	µg/l	0.412	± 0.0135	-	-	0.011	-	-
Glyphosate	µg/l	-	± -	-	-	-	-	-
Mecoprop	µg/l	0.237	± 0.0292	0.199	0.0665	0.0389	83.9	-0.98
Metazachlor	µg/l	-	± -	<0.005 (LOQ)	-	-	-	-
Metazachlor ESA	µg/l	0.672	± 0.182	-	-	0.192	-	-
Metazachlor OA	µg/l	0.0805	± 0.0111	-	-	0.00905	-	-
Metolachlor	µg/l	-	± -	<0.001 (LOQ)	-	-	-	-
Metolachlor ESA	µg/l	0.196	± 0.0323	0.226	0.0737	0.0357	115	0.84
Metolachlor OA	µg/l	0.282	± 0.0314	0.327	0.11	0.0331	116	1.36

Sample: H95B

Parameter	Unit	Target	± CI(99%)	Result	± U	Criteria	Recovery	z-score
2,4,5-Trichlorophenoxyacetic acid	µg/l	0.34	± 0.0704	-	-	0.0846	-	-
2,4-D	µg/l	0.311	± 0.0291	-	-	0.0376	-	-
Alachlor	µg/l	-	± -	-	-	-	-	-
Alachlor ESA	µg/l	0.836	± 0.19	-	-	0.155	-	-
Alachlor OA	µg/l	0.641	± 0.115	-	-	0.109	-	-
AMPA	µg/l	0.924	± 0.137	-	-	0.137	-	-
Bentazone	µg/l	0.501	± 0.061	-	-	0.0813	-	-
Dicamba	µg/l	0.292	± 0.06	-	-	0.0693	-	-
Dichlorprop	µg/l	0.821	± 0.0943	-	-	0.126	-	-
Glufosinate	µg/l	0.349	± 0.101	-	-	0.101	-	-
Glyphosate	µg/l	0.544	± 0.177	-	-	0.177	-	-
Mecoprop	µg/l	0.391	± 0.0319	0.34	0.114	0.0412	87	-1.24
Metazachlor	µg/l	0.65	± 0.0424	0.765	0.075	0.0583	118	1.97
Metazachlor ESA	µg/l	0.201	± 0.0327	-	-	0.0327	-	-

Parameter	Unit	Target	±	CI(99%)	Result	± U	Criteria	Recovery	z-score
Metazachlor OA	µg/l	-	±	-	-	-	-	-	-
Metolachlor	µg/l	0.193	±	0.0188	0.176	0.005	0.0266	91.1	-0.65
Metolachlor ESA	µg/l	0.28	±	0.0305	0.325	0.106	0.0352	116	1.28
Metolachlor OA	µg/l	0.542	±	0.0718	0.624	0.21	0.0794	115	1.03


Sample
H95 A
H95 B
Mecoprop
Metazachlor
Metolachlor
Metolachlor ESA
Metolachlor OA
Measurand
-2
0
2
-2
0
2
z-score

The following results were achieved:

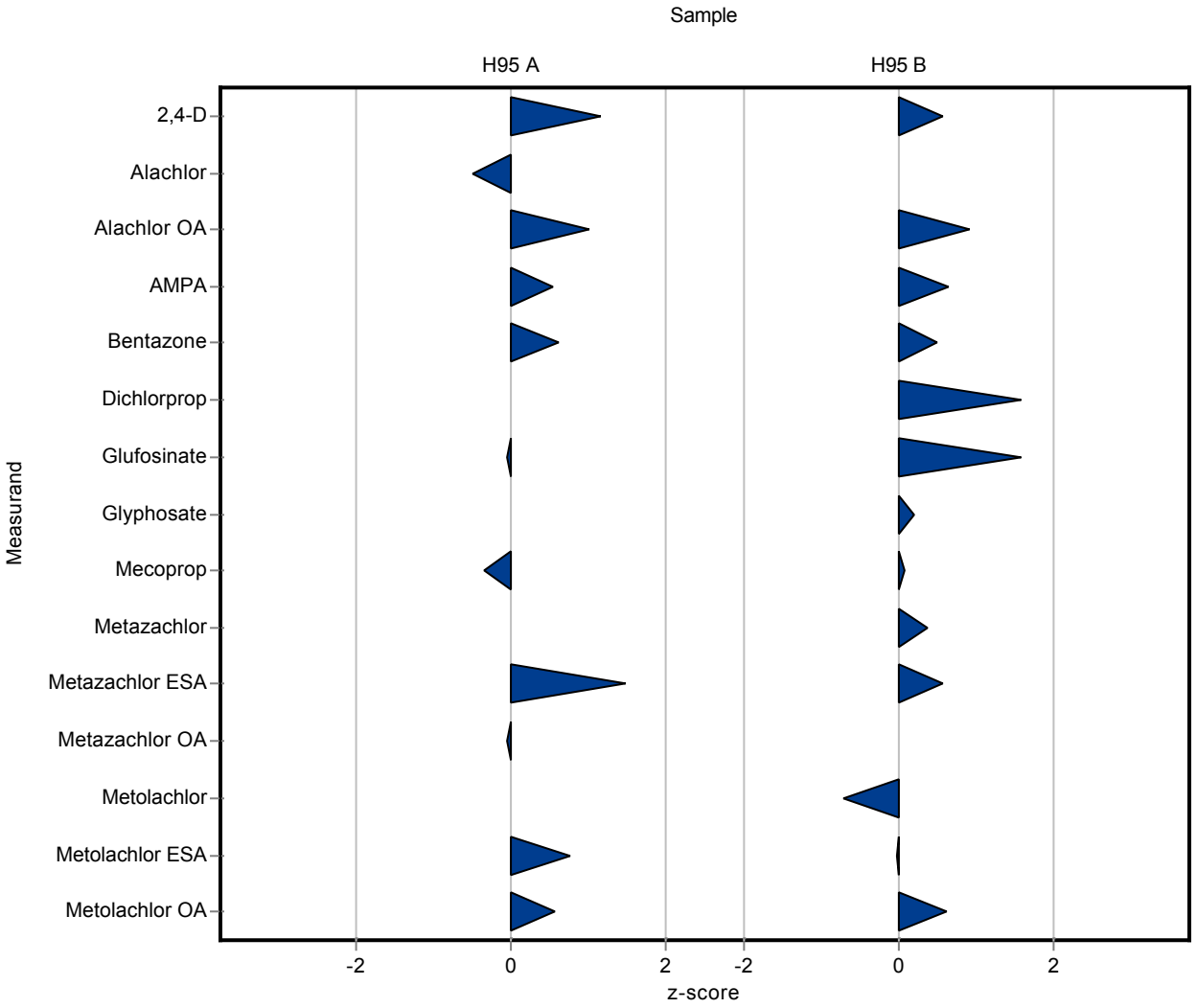
Sample: H95A

Parameter	Unit	Target	±	CI(99%)	Result	± U	Criteria	Recovery	z-score
2,4,5-Trichlorophenoxyacetic acid	µg/l	0.718	±	0.156	-	-	0.187	-	-
2,4-D	µg/l	0.571	±	0.0809	0.697	0.174	0.108	122	1.16
Alachlor	µg/l	0.601	±	0.0443	0.574	0.143	0.0553	95.5	-0.48
Alachlor ESA	µg/l	0.494	±	0.108	-	-	0.0881	-	-
Alachlor OA	µg/l	0.465	±	0.0383	0.496	0.124	0.0313	107	1
AMPA	µg/l	0.156	±	0.0221	0.166	0.033	0.0195	107	0.54
Bentazone	µg/l	0.303	±	0.0581	0.353	0.088	0.0821	117	0.61
Dicamba	µg/l	0.362	±	0.0657	-	-	0.0758	-	-
Dichlorprop	µg/l	-	±	-	<0.02 (LOQ)	-	-	-	-
Glufosinate	µg/l	0.412	±	0.0135	0.411	0.082	0.011	99.8	-0.06
Glyphosate	µg/l	-	±	-	<0.01 (LOQ)	-	-	-	-
Mecoprop	µg/l	0.237	±	0.0292	0.224	0.056	0.0389	94.4	-0.34
Metazachlor	µg/l	-	±	-	<0.01 (LOQ)	-	-	-	-
Metazachlor ESA	µg/l	0.672	±	0.182	0.954	0.238	0.192	142	1.47
Metazachlor OA	µg/l	0.0805	±	0.0111	0.08	0.02	0.00905	99.4	-0.06
Metolachlor	µg/l	-	±	-	<0.01 (LOQ)	-	-	-	-
Metolachlor ESA	µg/l	0.196	±	0.0323	0.223	0.056	0.0357	114	0.75
Metolachlor OA	µg/l	0.282	±	0.0314	0.301	0.075	0.0331	107	0.57

Sample: H95B

Parameter	Unit	Target	±	CI(99%)	Result	± U	Criteria	Recovery	z-score
2,4,5-Trichlorophenoxyacetic acid	µg/l	0.34	±	0.0704	-	-	0.0846	-	-
2,4-D	µg/l	0.311	±	0.0291	0.333	0.083	0.0376	107	0.58
Alachlor	µg/l	-	±	-	<0.01 (LOQ)	-	-	-	-
Alachlor ESA	µg/l	0.836	±	0.19	-	-	0.155	-	-
Alachlor OA	µg/l	0.641	±	0.115	0.74	0.185	0.109	115	0.91
AMPA	µg/l	0.924	±	0.137	1.013	0.203	0.137	110	0.65
Bentazone	µg/l	0.501	±	0.061	0.542	0.136	0.0813	108	0.5
Dicamba	µg/l	0.292	±	0.06	-	-	0.0693	-	-
Dichlorprop	µg/l	0.821	±	0.0943	1.02	0.255	0.126	124	1.58
Glufosinate	µg/l	0.349	±	0.101	0.508	0.102	0.101	146	1.58
Glyphosate	µg/l	0.544	±	0.177	0.581	0.116	0.177	107	0.21
Mecoprop	µg/l	0.391	±	0.0319	0.394	0.099	0.0412	101	0.07
Metazachlor	µg/l	0.65	±	0.0424	0.672	0.168	0.0583	103	0.38
Metazachlor ESA	µg/l	0.201	±	0.0327	0.219	0.055	0.0327	109	0.56

Parameter	Unit	Target	±	CI(99%)	Result	± U	Criteria	Recovery	z-score
Metazachlor OA	µg/l	-	±	-	<0.01 (LOQ)	-	-	-	-
Metolachlor	µg/l	0.193	±	0.0188	0.174	0.043	0.0266	90	-0.72
Metolachlor ESA	µg/l	0.28	±	0.0305	0.279	0.07	0.0352	99.6	-0.03
Metolachlor OA	µg/l	0.542	±	0.0718	0.592	0.148	0.0794	109	0.63


Sample
H95 A
H95 B
Measurand
2,4-D
Alachlor
Alachlor OA
AMPA
Bentazone
Dichlorprop
Glufosinate
Glyphosate
Mecoprop
Metazachlor
Metazachlor ESA
Metazachlor OA
Metolachlor
Metolachlor ESA
Metolachlor OA
-2
0
2
-2
0
2
z-score