

# **INTERLABORATORY COMPARISON EVALUATION**

## **Major ions N125**

Sample dispatch on 10<sup>th</sup> February 2015

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## **1 Interlaboratory comparison: Major ions – N125**

### **1.1 Participants and time schedule**

- Number of registrations: 45
- Number of submitted data records: 45
- Dispatch of samples: 10<sup>th</sup> February 2015
- Closing date for submission of data: 10<sup>th</sup> March 2015

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

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

2 ground water samples were selected as sample material. The sampling was carried out on 9<sup>th</sup> February 2015. The samples were stored at < 4 °C until further processing. The samples were partly spiked with specific substances. The samples were filled into bottles with continuous stirring. The homogeneous mixtures were dispatched on 10<sup>th</sup> February 2015. Each participant received:

- 2 samples (each 250 ml), each filled in 250 ml LDPE bottles.

### **1.3 Check analysis**

While filling the bottles, aliquots of each sample were collected at random moments for check analysis. Testing was performed close to the time of sample dispatch.

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

## 2 Evaluation

The analytical results had to be made available to the organiser not later than 10<sup>th</sup> of March 2015. Any values received at a later date were not considered. A statistical evaluation of interlaboratory comparison data was only carried out if at least 6 valid results per parameter were available.

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

### z-Score

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

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

In this context,

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

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

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

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

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

### 3 Representation and interpretation of measurement results

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

### 4 Explanatory notes

As explained in evaluation (page 5), 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.

### 5 Explanatory notes on the parameter oriented report

Mean ± CI (99%)	<i>Mean of the participants results, without outliers ± 99% confidence interval</i>
Minimum – Maximum	<i>Minimum and maximum of all submitted results, after removal of outliers</i>
Homogeneity ± U	<i>Mean of homogeneity tests ± expanded uncertainty (k=2)</i>
Stability ± U	<i>Mean of stability tests ± expanded uncertainty (k=2)</i>

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

#### Symbols and abbreviations:

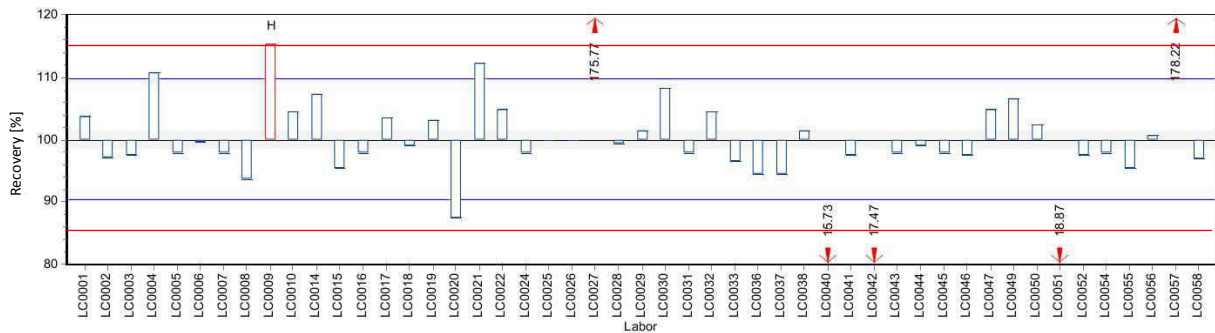
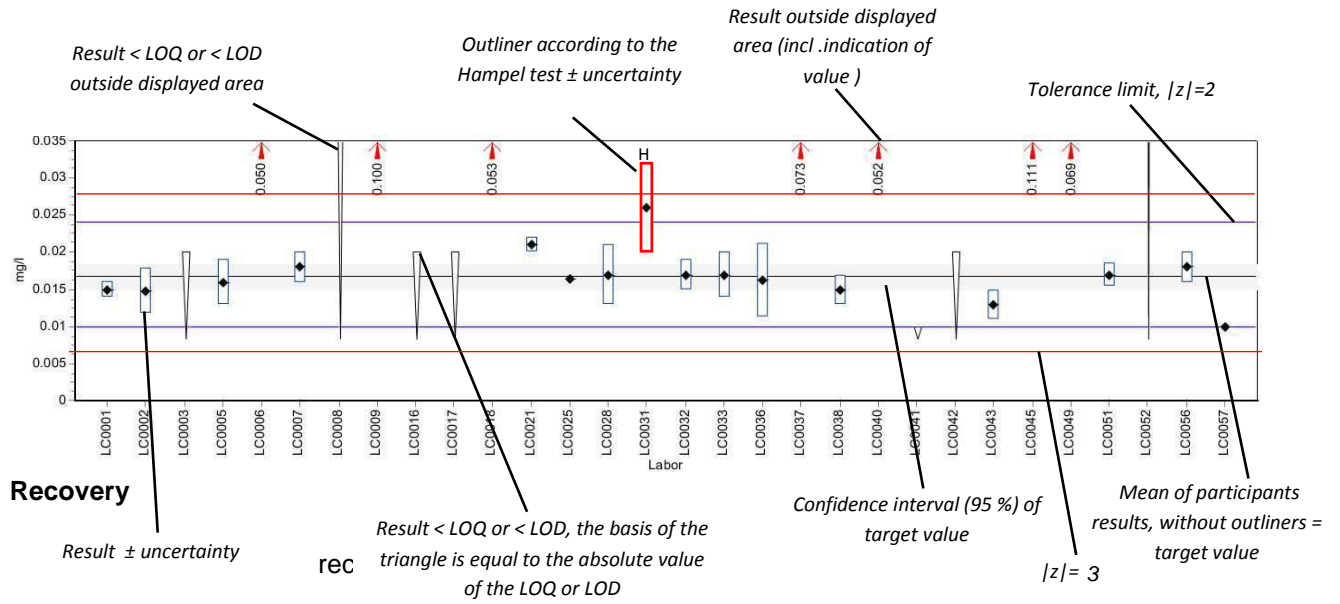
± U	Results uncertainty as indicated by participant
-	No data available

Possible remarks in the column comments:

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

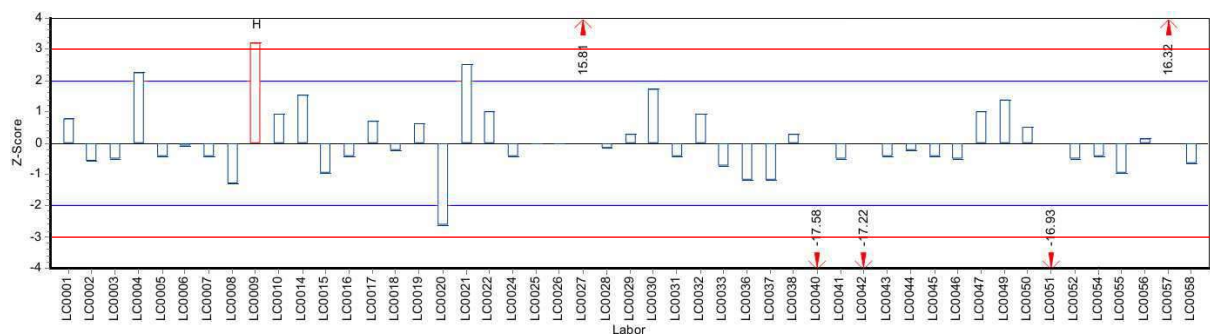
## Graphical presentation of results

### Results



### z-Score

Presentation of results as z-scores.



Summary of results, after removal of outliers: Major ions N125

## 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
Alkalinity Ks 4,3	N125 A	mmol/l	37	0	5.13	± 0.0406	4.98	5.35	0.0822	1.6
	N125 B	mmol/l	35	2	3.82	± 0.0323	3.7	3.97	0.0637	1.66
Boron	N125 A	mg/l	18	3	0.0561	± 0.00407	0.049	0.07	0.00576	10.3
	N125 B	mg/l	15	3	0.0192	± 0.00201	0.0155	0.026	0.00259	13.5
Calcium	N125 A	mg/l	32	6	84.5	± 0.994	79.5	88.4	1.87	2.22
	N125 B	mg/l	34	4	67.4	± 0.89	63.9	71.9	1.73	2.57
Chloride	N125 A	mg/l	33	3	35.5	± 0.371	34	36.5	0.71	2
	N125 B	mg/l	36	0	31.4	± 0.409	29.431	33.2	0.817	2.6
DOC (as C)	N125 A	mg/l	24	3	0.789	± 0.0751	0.59	1.09	0.123	15.6
	N125 B	mg/l	26	3	2.29	± 0.0987	1.99	2.68	0.168	7.34
Total-P (as PO <sub>4</sub> )	N125 A	mg/l	24	5	0.188	± 0.00875	0.154	0.212	0.0143	7.59
	N125 B	mg/l	26	2	0.117	± 0.00634	0.0944	0.14	0.0108	9.24
Total hardness	N125 A	°d	32	3	17.2	± 0.279	16.2	18.57	0.526	3.05
	N125 B	°d	30	5	12.9	± 0.189	12.3	13.7	0.345	2.67
Hydrogen carbonate	N125 A	mg/l	29	2	311	± 2.1	303	318	3.77	1.21
	N125 B	mg/l	29	2	232	± 2.04	221	239	3.67	1.58
Potassium	N125 A	mg/l	35	0	3.99	± 0.0876	3.7	4.39	0.173	4.33
	N125 B	mg/l	35	0	2.42	± 0.0768	2.1	2.73	0.151	6.26
El. conductivity (25°C)	N125 A	µS/cm	36	3	659	± 4.22	641	682	8.44	1.28
	N125 B	µS/cm	36	3	527	± 4.01	506	544	8.01	1.52
Magnesium	N125 A	mg/l	36	2	23.5	± 0.376	22.2	25.4	0.753	3.21
	N125 B	mg/l	35	3	15.1	± 0.234	14.1	16	0.462	3.06
Sodium	N125 A	mg/l	33	2	18.9	± 0.221	18	19.8	0.423	2.24
	N125 B	mg/l	33	2	20	± 0.246	18.7	21.27	0.472	2.36
Ammonium (as NH <sub>4</sub> )	N125 A	mg/l	33	4	0.104	± 0.00531	0.08	0.1203	0.0102	9.79
	N125 B	mg/l	33	2	0.0446	± 0.00341	0.03	0.054	0.00654	14.7
Nitrite (as NO <sub>2</sub> )	N125 A	mg/l	28	4	0.18	± 0.00409	0.16	0.1971	0.00721	4.01



Summary of results, after removal of outliers: Major ions N125

Parameter	Sample	Unit	Number of results for calculation	Number of outliers	Mean	± CI (99%)	Minimum	Maximum	SD	RSD
Nitrite (as NO <sub>2</sub> )	N125 B	mg/l	29	3	0.0677	± 0.00219	0.06	0.077	0.00393	5.82
Nitrate (as NO <sub>3</sub> )	N125 A	mg/l	31	4	7.47	± 0.133	7	8.05	0.247	3.3
	N125 B	mg/l	33	2	12	± 0.18	11.4	12.9	0.345	2.87
Orthophosphate (as PO <sub>4</sub> )	N125 A	mg/l	25	6	0.109	± 0.00298	0.1	0.12	0.00496	4.57
	N125 B	mg/l	28	3	0.102	± 0.00523	0.08	0.12	0.00923	9.08
Sulfate (as SO <sub>4</sub> )	N125 A	mg/l	29	2	40.6	± 0.63	38.279	43.5	1.13	2.78
	N125 B	mg/l	27	4	30	± 0.419	28.3	31.3	0.726	2.43

## 7 Parameter oriented report

Alkalinity Ks 4,3 .....	11
Boron .....	21
Calcium .....	31
Chloride.....	41
DOC (as C) .....	51
Total-P (as PO <sub>4</sub> ) .....	61
Total hardness.....	71
Hydrogen carbonate.....	81
Potassium .....	91
El. conductivity (25°C).....	101
Magnesium.....	111
Sodium.....	121
Ammonium (as NH <sub>4</sub> ) .....	131
Nitrite (as NO <sub>2</sub> ) .....	141
Nitrate (as NO <sub>3</sub> ) .....	151
Orthophosphate (as PO <sub>4</sub> ) .....	161
Sulfate (as SO <sub>4</sub> ) .....	171

## Parameter oriented report

### N125 A

#### Alkalinity Ks 4,3

Unit	mmol/l
Mean ± CI (99%)	5.13 ± 0.0406
Minimum - Maximum	4.98 - 5.35
Check value ± U	5.15 ± 0.01

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	5.130	0.006	99.9	-0.1	
LC0002	5.190	0.400	101.1	0.7	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	5.200	-	101.3	0.8	
LC0006	5.350	-	104.2	2.6	
LC0007	4.980	-	97.0	-1.9	
LC0008	-	-	-	-	
LC0009	5.070	0.507	98.7	-0.8	
LC0010	5.130	-	99.9	-0.1	
LC0011	5.060	0.045	98.5	-0.9	
LC0012	5.190	0.500	101.1	0.7	
LC0013	5.090	0.200	99.1	-0.5	
LC0014	5.140	0.100	100.1	0.1	
LC0015	5.200	0.440	101.3	0.8	
LC0016	5.160	0.080	100.5	0.3	
LC0017	-	-	-	-	
LC0018	5.080	0.254	98.9	-0.7	
LC0019	-	-	-	-	
LC0020	5.080	0.180	98.9	-0.7	
LC0021	5.010	0.300	97.6	-1.5	
LC0022	5.000	-	97.4	-1.6	
LC0023	5.220	0.300	101.7	1.0	
LC0024	5.140	-	100.1	0.1	
LC0025	5.162	0.516	100.5	0.3	
LC0026	5.150	0.200	100.3	0.2	
LC0027	-	-	-	-	
LC0028	5.198	-	101.2	0.8	
LC0029	5.190	0.260	101.1	0.7	
LC0030	5.140	0.200	100.1	0.1	
LC0031	5.160	0.060	100.5	0.3	
LC0032	5.090	0.3054	99.1	-0.5	
LC0033	5.090	0.510	99.1	-0.5	
LC0034	5.200	0.312	101.3	0.8	
LC0035	5.260	0.030	102.4	1.5	
LC0036	-	-	-	-	
LC0037	5.020	0.040	97.8	-1.4	
LC0038	5.140	0.160	100.1	0.1	
LC0039	5.120	0.512	99.7	-0.2	
LC0040	5.170	0.264	100.7	0.4	
LC0041	-	-	-	-	

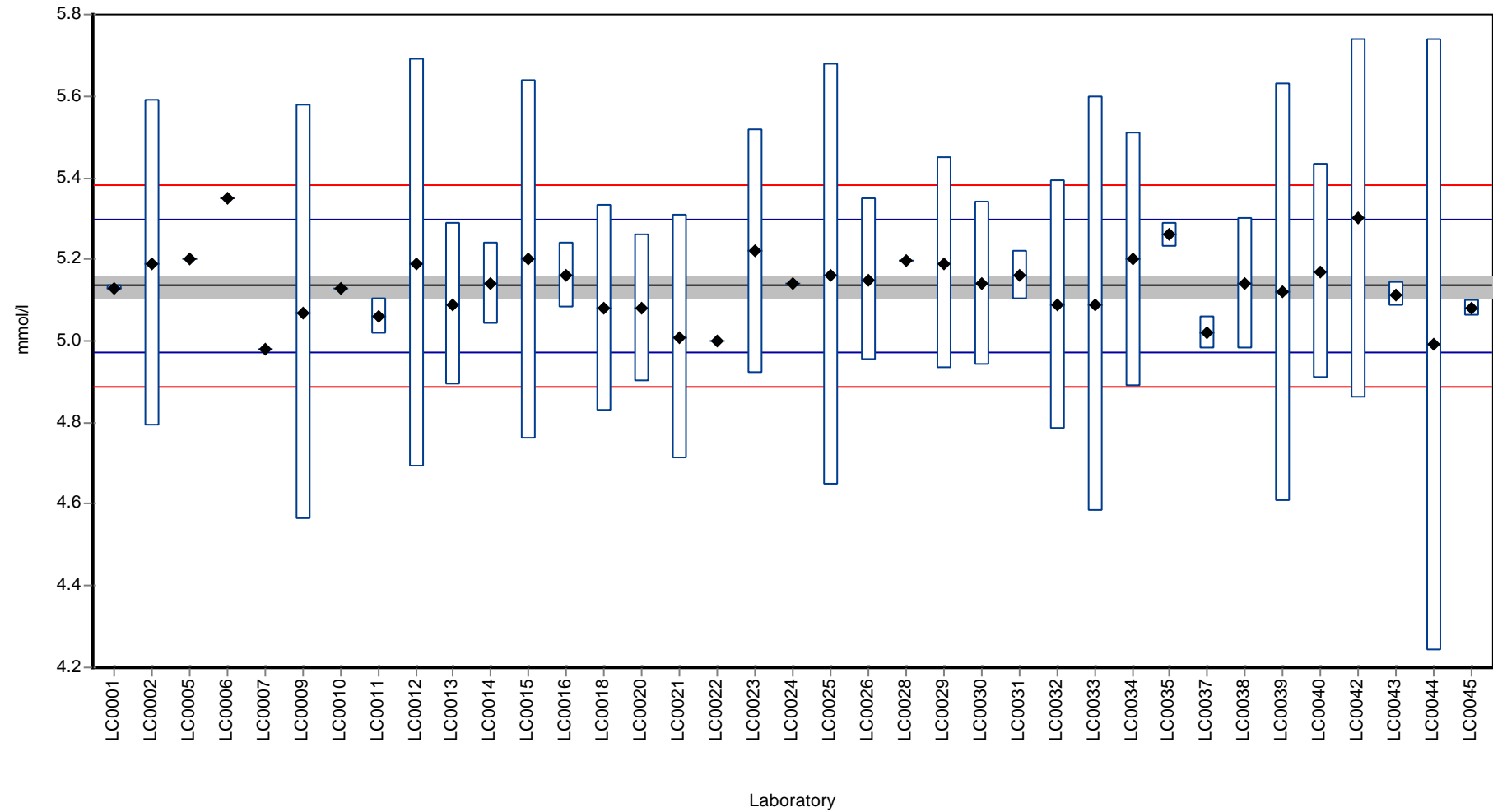
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	5.300	0.440	103.2	2.0	
LC0043	5.113	0.030	99.6	-0.3	
LC0044	4.990	0.748	97.2	-1.8	
LC0045	5.080	0.020	98.9	-0.7	

#### Characteristics of parameter

	all results	without outliers	Unit
Mean ± CI (99%)	5.13 ± 0.0406	5.13 ± 0.0406	mmol/l
Minimum	4.98	4.98	mmol/l
Maximum	5.35	5.35	mmol/l
Standard deviation	0.0822	0.0822	mmol/l
rel. Standard deviation	1.6	1.6	%
n	37	37	-

Graphical presentation of results

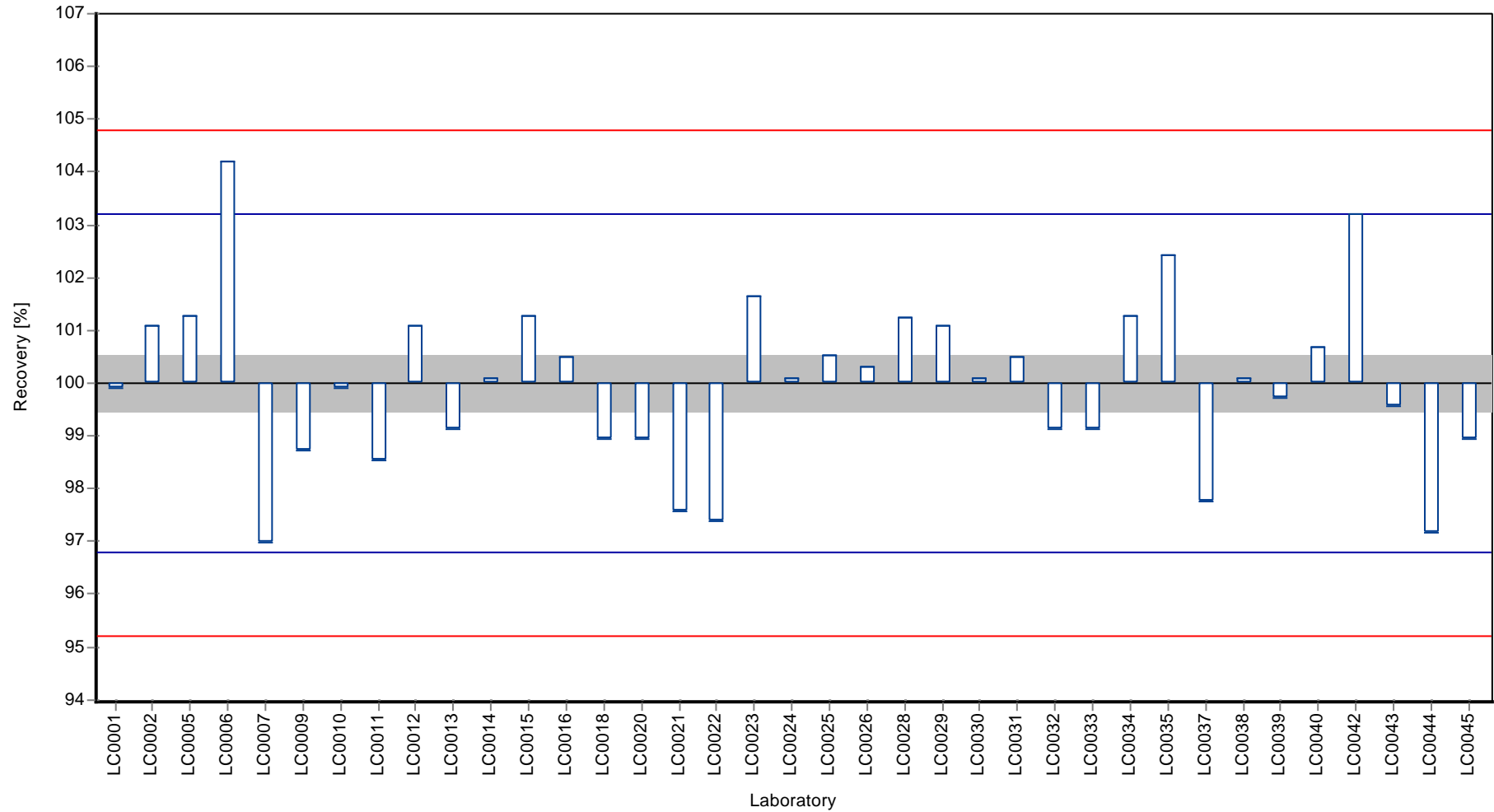
Results



Parameter oriented report Major ions N125

Sample: N125A, Parameter: Alkalinity Ks 4,3

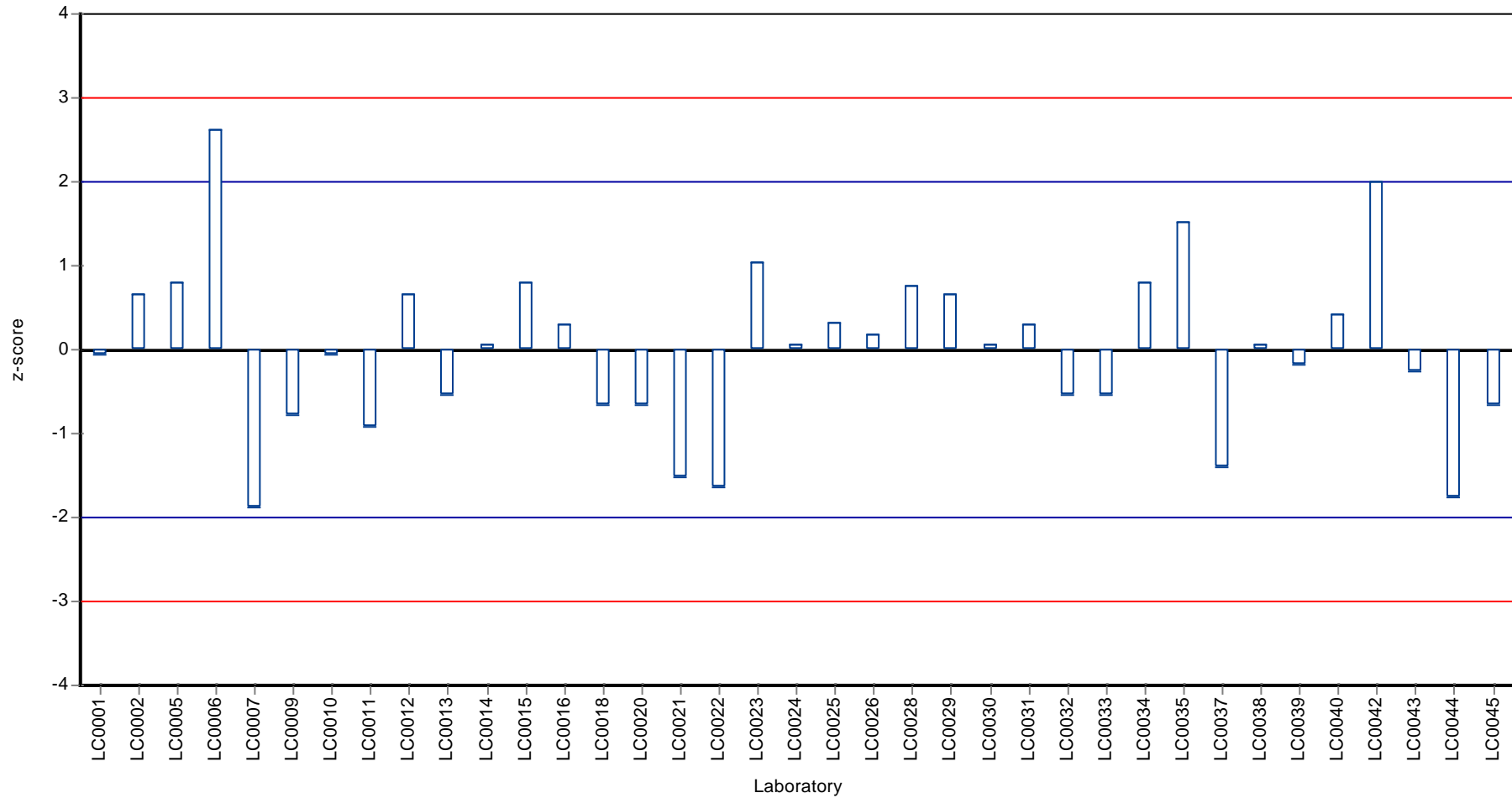
**Recovery rate**



Parameter oriented report Major ions N125

Sample: N125A, Parameter: Alkalinity Ks 4,3

**Z-score**



## Parameter oriented report

### N125 B

#### Alkalinity Ks 4,3

Unit	mmol/l
Mean ± CI (99%)	3.82 ± 0.0323
Minimum - Maximum	3.7 - 3.97
Check value ± U	3.87 ± 0.016

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	3.830	0.005	100.1	0.1	
LC0002	3.910	0.300	102.2	1.3	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	3.890	-	101.7	1.0	
LC0006	4.080	-	106.7	4.0	H
LC0007	3.710	-	97.0	-1.8	
LC0008	-	-	-	-	
LC0009	3.830	0.383	100.1	0.1	
LC0010	3.770	-	98.6	-0.9	
LC0011	3.800	0.034	99.3	-0.4	
LC0012	3.880	0.400	101.4	0.9	
LC0013	3.820	0.150	99.9	-0.1	
LC0014	3.880	0.200	101.4	0.9	
LC0015	3.800	0.320	99.3	-0.4	
LC0016	3.850	0.070	100.7	0.4	
LC0017	-	-	-	-	
LC0018	3.780	0.189	98.8	-0.7	
LC0019	-	-	-	-	
LC0020	3.810	0.140	99.6	-0.2	
LC0021	3.740	0.220	97.8	-1.3	
LC0022	3.700	-	96.7	-2.0	
LC0023	3.970	0.200	103.8	2.3	
LC0024	3.910	-	102.2	1.3	
LC0025	3.831	0.383	100.2	0.1	
LC0026	3.860	0.200	100.9	0.6	
LC0027	-	-	-	-	
LC0028	3.735	-	97.6	-1.4	
LC0029	3.910	0.200	102.2	1.3	
LC0030	3.840	0.200	100.4	0.2	
LC0031	3.820	0.006	99.9	-0.1	
LC0032	3.830	0.2298	100.1	0.1	
LC0033	3.780	0.380	98.8	-0.7	
LC0034	3.750	0.225	98.0	-1.2	
LC0035	3.090	0.020	80.8	-11.5	H
LC0036	-	-	-	-	
LC0037	3.770	0.030	98.6	-0.9	
LC0038	3.830	0.120	100.1	0.1	
LC0039	3.830	0.383	100.1	0.1	
LC0040	3.860	0.197	100.9	0.6	
LC0041	-	-	-	-	



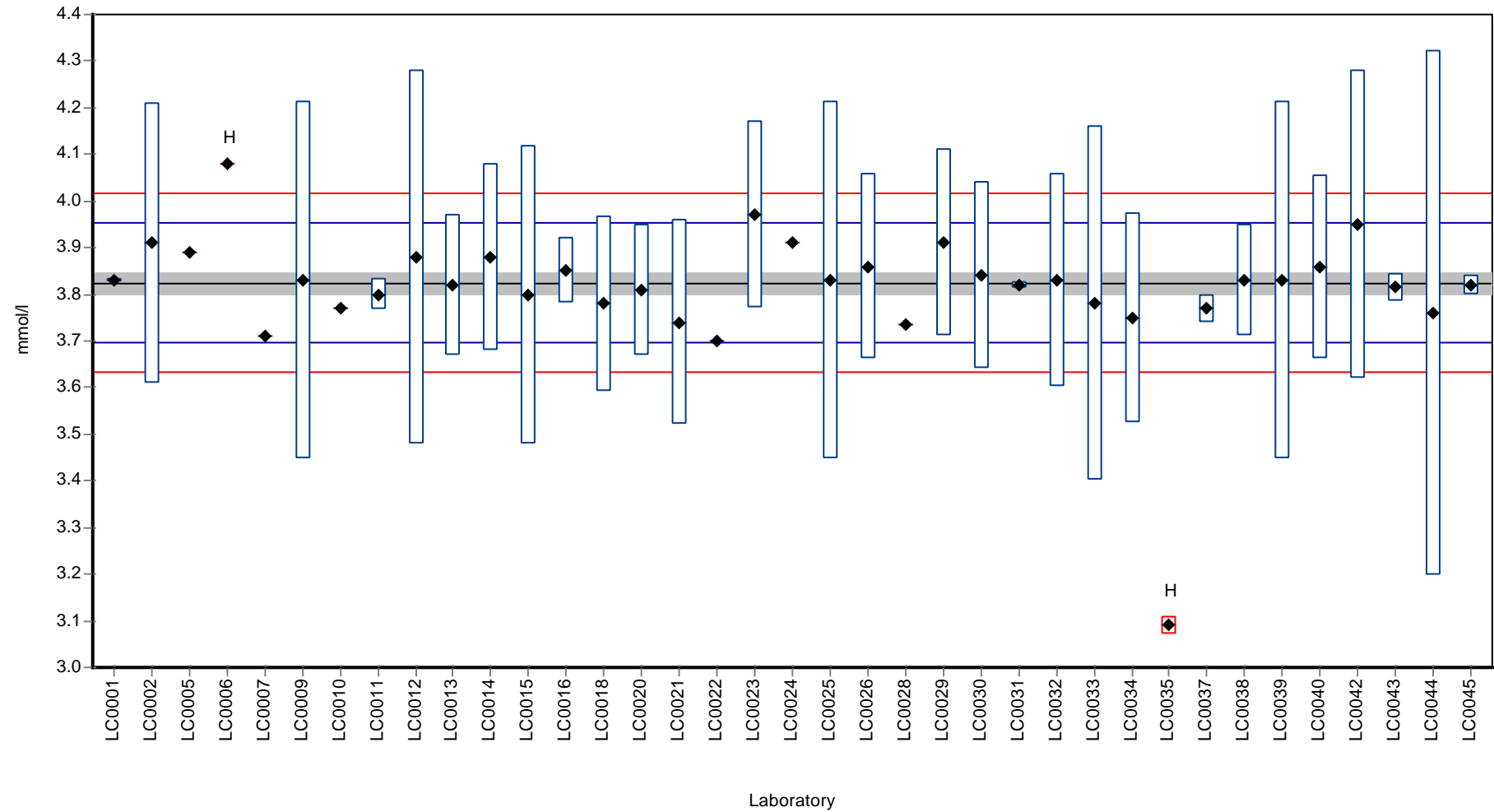
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	3.950	0.330	103.3	2.0	
LC0043	3.815	0.030	99.7	-0.2	
LC0044	3.760	0.564	98.3	-1.0	
LC0045	3.820	0.020	99.9	-0.1	

#### Characteristics of parameter

	all results	without outliers	Unit
Mean ± CI (99%)	3.81 ± 0.0706	3.82 ± 0.0323	mmol/l
Minimum	3.09	3.7	mmol/l
Maximum	4.08	3.97	mmol/l
Standard deviation	0.143	0.0637	mmol/l
rel. Standard deviation	3.75	1.66 %	
n	37	35	-

Graphical presentation of results

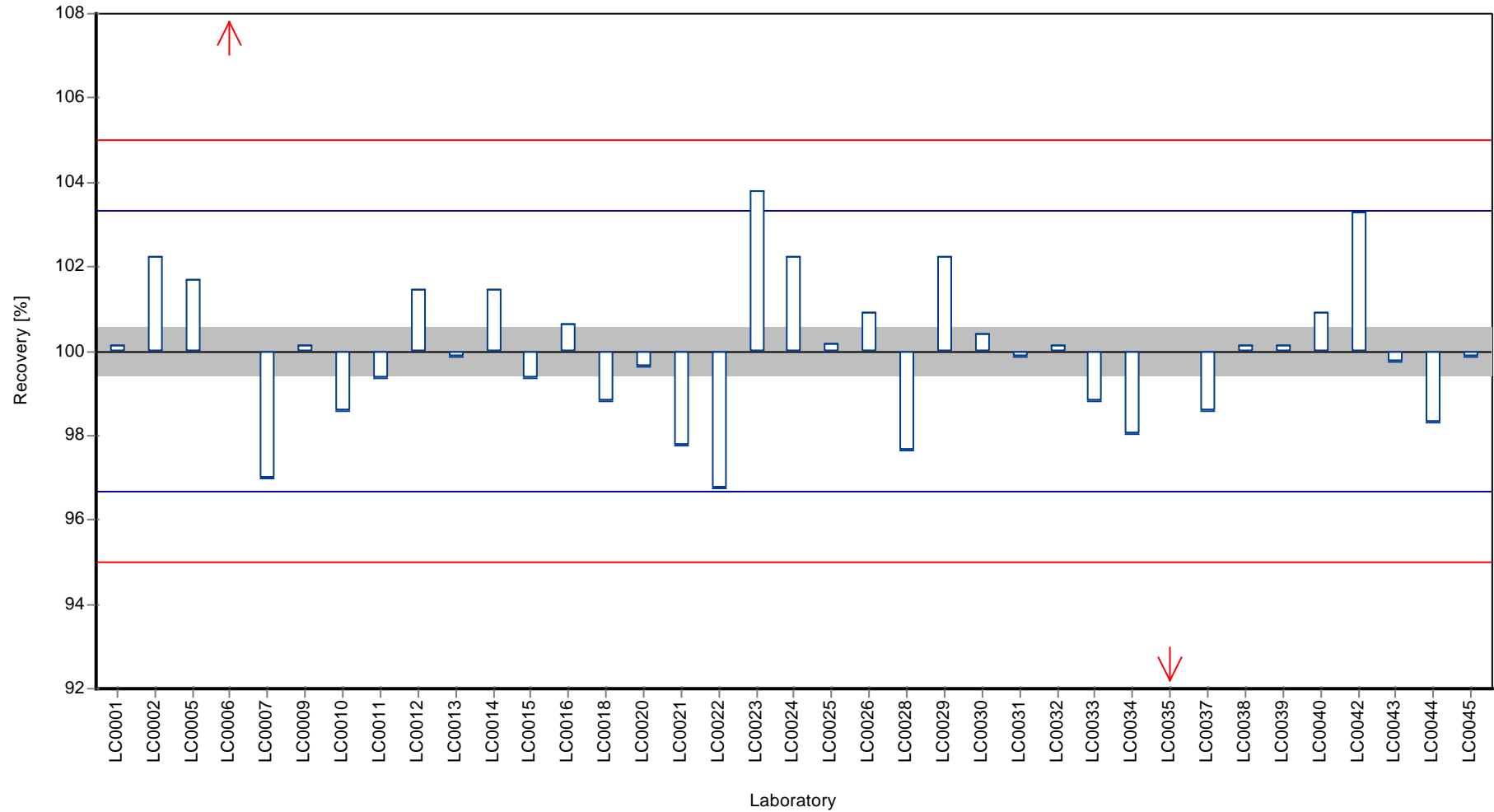
Results



Parameter oriented report Major ions N125

Sample: N125B, Parameter: Alkalinity Ks 4,3

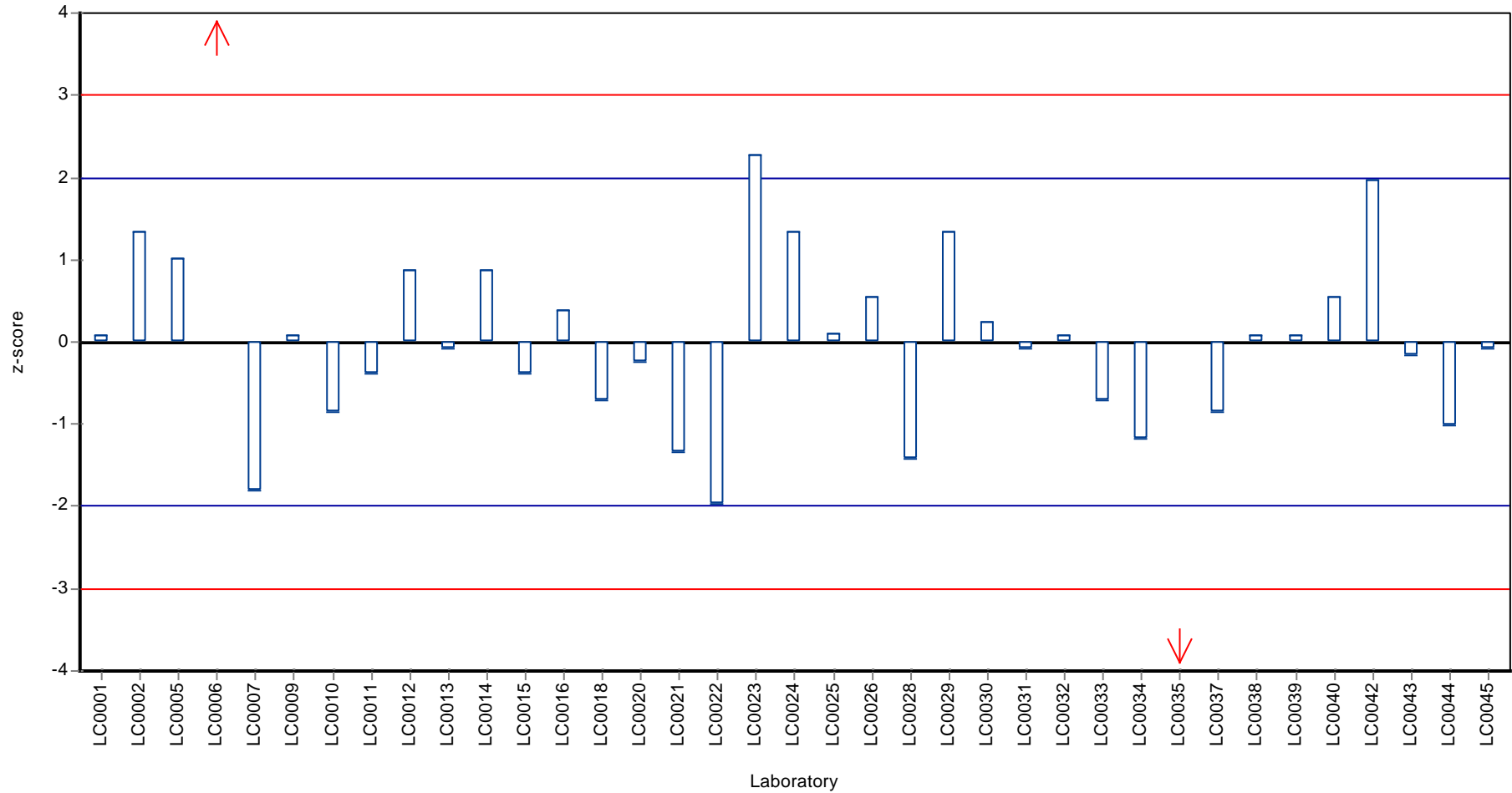
Recovery rate



Parameter oriented report Major ions N125

Sample: N125B, Parameter: Alkalinity Ks 4,3

Z-score



## Parameter oriented report

### N125 A

#### Boron

Unit	mg/l
Mean ± CI (99%)	0.0561 ± 0.00407
Minimum - Maximum	0.049 - 0.07
Check value ± U	0.058 ± 0.006

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.053	0.002	94.4	-0.5	
LC0002	-	-	-	-	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	-	-	-	-	
LC0006	0.049	-	87.3	-1.2	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	0.066	0.0099	117.6	1.7	
LC0010	-	-	-	-	
LC0011	-	-	-	-	
LC0012	-	-	-	-	
LC0013	0.060	0.010	106.9	0.7	
LC0014	0.0545	0.005	97.1	-0.3	
LC0015	-	-	-	-	
LC0016	-	-	-	-	
LC0017	-	-	-	-	
LC0018	0.0547	0.014	97.5	-0.2	
LC0019	-	-	-	-	
LC0020	0.054	0.005	96.2	-0.4	
LC0021	0.052	0.005	92.6	-0.7	
LC0022	0.049	-	87.3	-1.2	
LC0023	0.062	0.006	110.5	1.0	
LC0024	0.0537	0.0014	95.7	-0.4	
LC0025	-	-	-	-	
LC0026	-	-	-	-	
LC0027	-	-	-	-	
LC0028	40.190	-	71604.5	6967.2	H
LC0029	0.059	0.006	105.1	0.5	
LC0030	-	-	-	-	
LC0031	0.058	0.010	103.3	0.3	
LC0032	0.0514	0.0072	91.6	-0.8	
LC0033	-	-	-	-	
LC0034	0.080	0.0096	142.5	4.1	H
LC0035	0.026	0.001	46.3	-5.2	H
LC0036	0.050	-	89.1	-1.1	
LC0037	< 1 (LOQ)	-	-	-	
LC0038	0.055	0.008	98.0	-0.2	
LC0039	-	-	-	-	
LC0040	-	-	-	-	
LC0041	-	-	-	-	

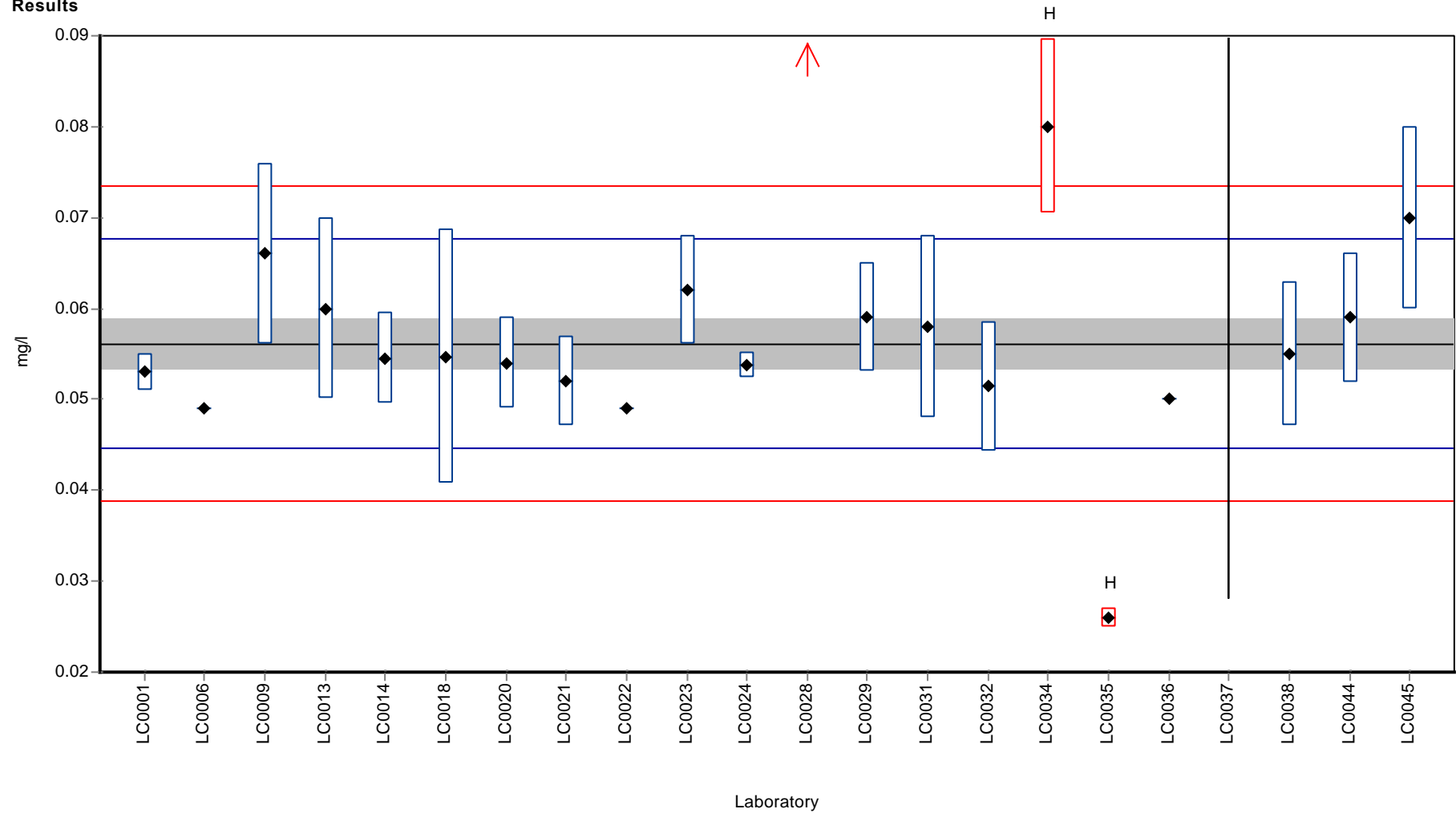
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	-	-	-	-	
LC0043	-	-	-	-	
LC0044	0.059	0.0071	105.1	0.5	
LC0045	0.070	0.010	124.7	2.4	

#### Characteristics of parameter

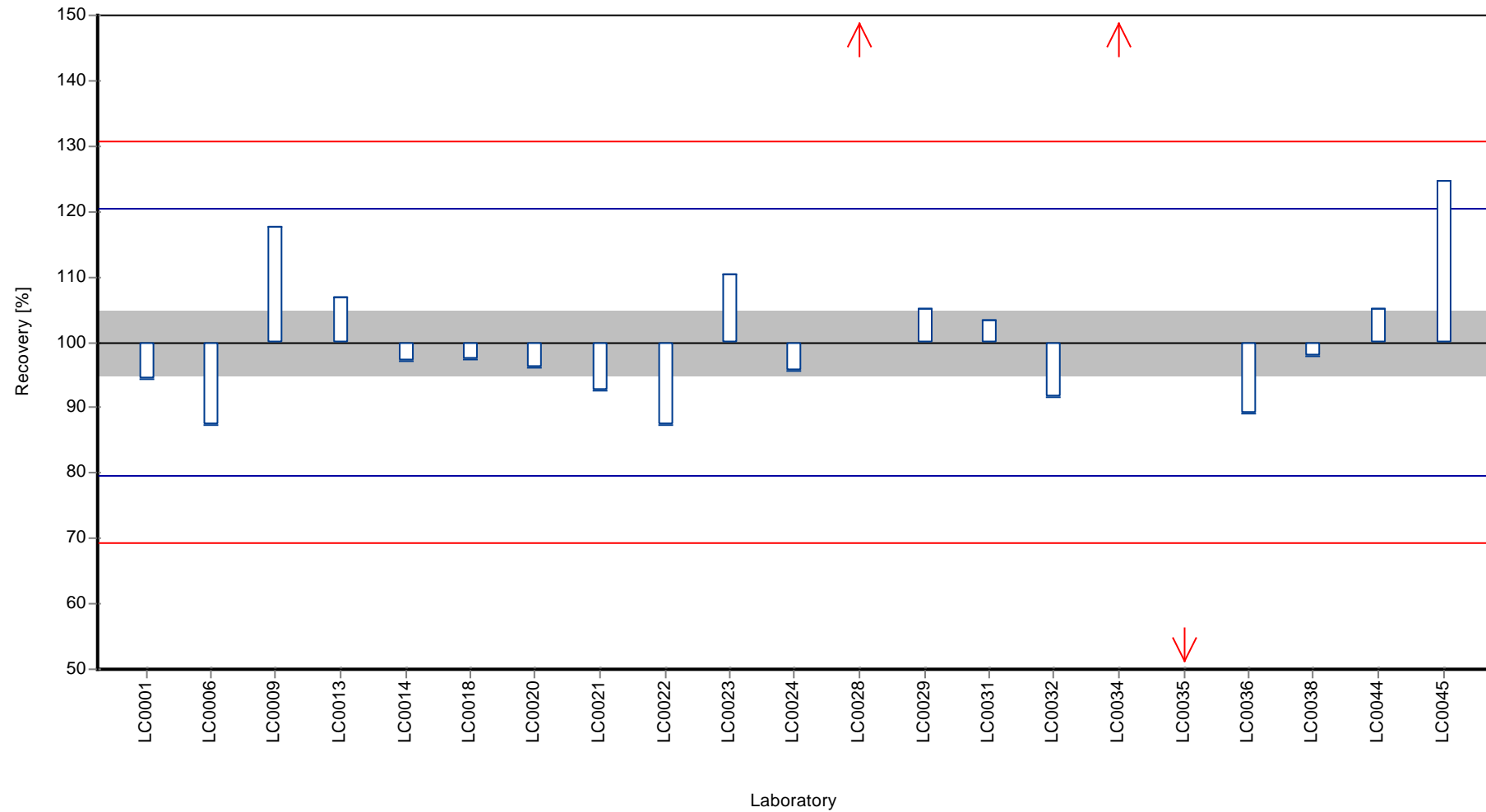
	all results	without outliers	Unit
Mean ± CI (99%)	1.97 ± 5.73	0.0561 ± 0.00407	mg/l
Minimum	0.026	0.049	mg/l
Maximum	40.2	0.07	mg/l
Standard deviation	8.76	0.00576	mg/l
rel. Standard deviation	445	10.3 %	
n	21	18	-

Graphical presentation of results

Results



Recovery rate

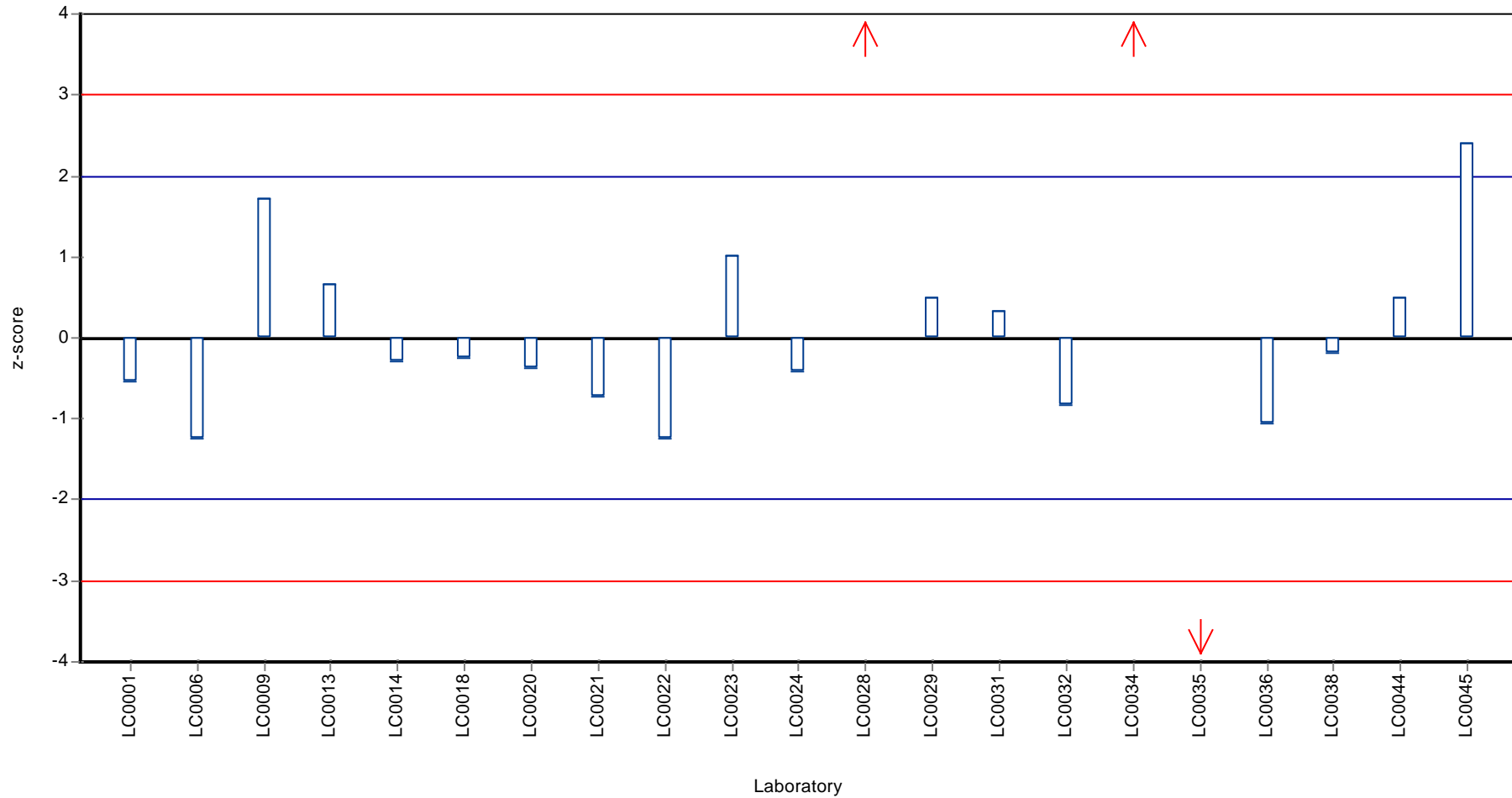




Parameter oriented report Major ions N125

Sample: N125A, Parameter: Boron

Z-score



## Parameter oriented report

### N125 B

#### Boron

Unit	mg/l
Mean ± CI (99%)	0.0192 ± 0.00201
Minimum - Maximum	0.0155 - 0.026
Check value ± U	0.019 ± 0.002

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	< 0.02 (LOQ)	-	-	-	
LC0002	-	-	-	-	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	-	-	-	-	
LC0006	0.016	-	83.5	-1.2	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	0.026	0.0039	135.7	2.6	
LC0010	-	-	-	-	
LC0011	-	-	-	-	
LC0012	-	-	-	-	
LC0013	0.020	0.004	104.4	0.3	
LC0014	0.0155	0.0025	80.9	-1.4	
LC0015	-	-	-	-	
LC0016	-	-	-	-	
LC0017	-	-	-	-	
LC0018	0.0175	0.0045	91.3	-0.6	
LC0019	-	-	-	-	
LC0020	0.019	0.002	99.2	-0.1	
LC0021	0.018	0.002	93.9	-0.4	
LC0022	0.018	-	93.9	-0.4	
LC0023	0.021	0.002	109.6	0.7	
LC0024	0.0182	0.0016	95.0	-0.4	
LC0025	-	-	-	-	
LC0026	-	-	-	-	
LC0027	-	-	-	-	
LC0028	13.680	-	71398.7	5272.2	H
LC0029	0.022	0.002	114.8	1.1	
LC0030	-	-	-	-	
LC0031	0.019	0.010	99.2	-0.1	
LC0032	0.0172	0.0024	89.8	-0.8	
LC0033	-	-	-	-	
LC0034	0.030	0.0036	156.6	4.2	H
LC0035	< 0.01 (LOQ)	-	-	-	
LC0036	< 0.025 (LOQ)	-	-	-	
LC0037	< 1 (LOQ)	-	-	-	
LC0038	0.020	0.004	104.4	0.3	
LC0039	-	-	-	-	
LC0040	-	-	-	-	
LC0041	-	-	-	-	

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	-	-	-	-	
LC0043	-	-	-	-	
LC0044	0.020	0.0024	104.4	0.3	
LC0045	0.040	0.010	208.8	8.0	H

#### Characteristics of parameter

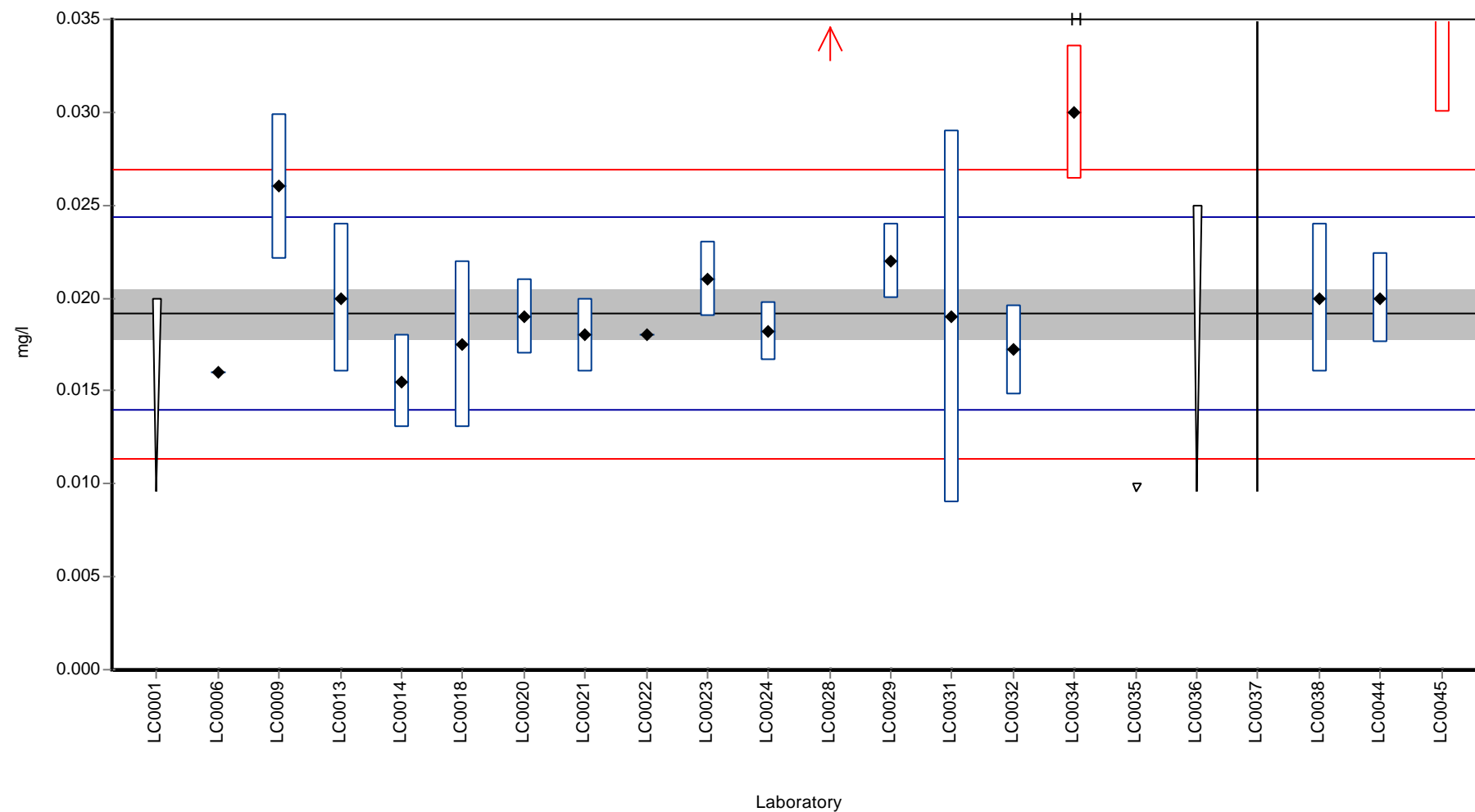
	all results	without outliers	Unit
Mean ± CI (99%)	0.78 ± 2.28	0.0192 ± 0.00201	mg/l
Minimum	0.0155	0.0155	mg/l
Maximum	13.7	0.026	mg/l
Standard deviation	3.22	0.00259	mg/l
rel. Standard deviation	413	13.5 %	
n	18	15	-

Parameter oriented report Major ions N125

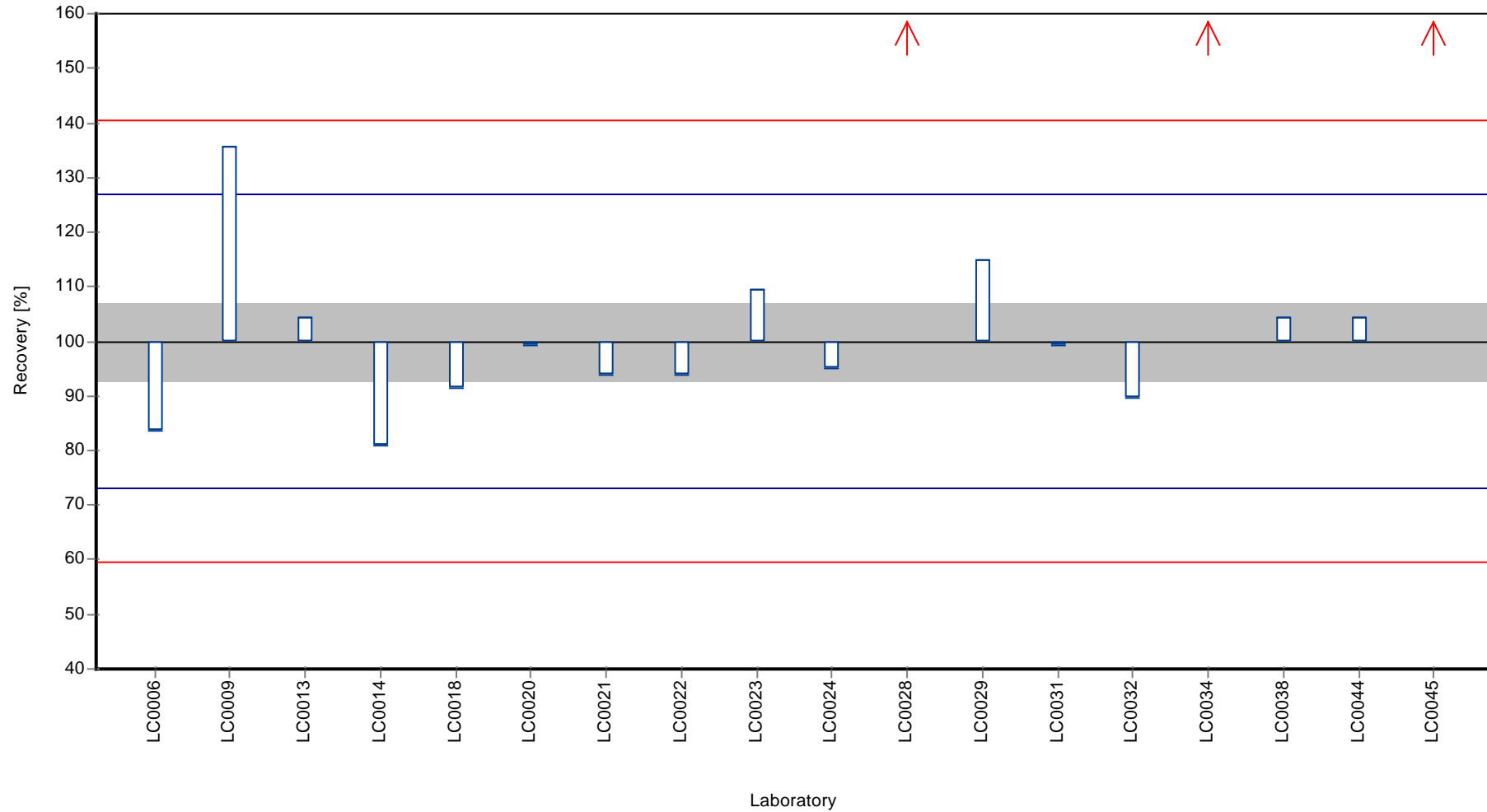
Sample: N125B, Parameter: Boron

## Graphical presentation of results

## Results



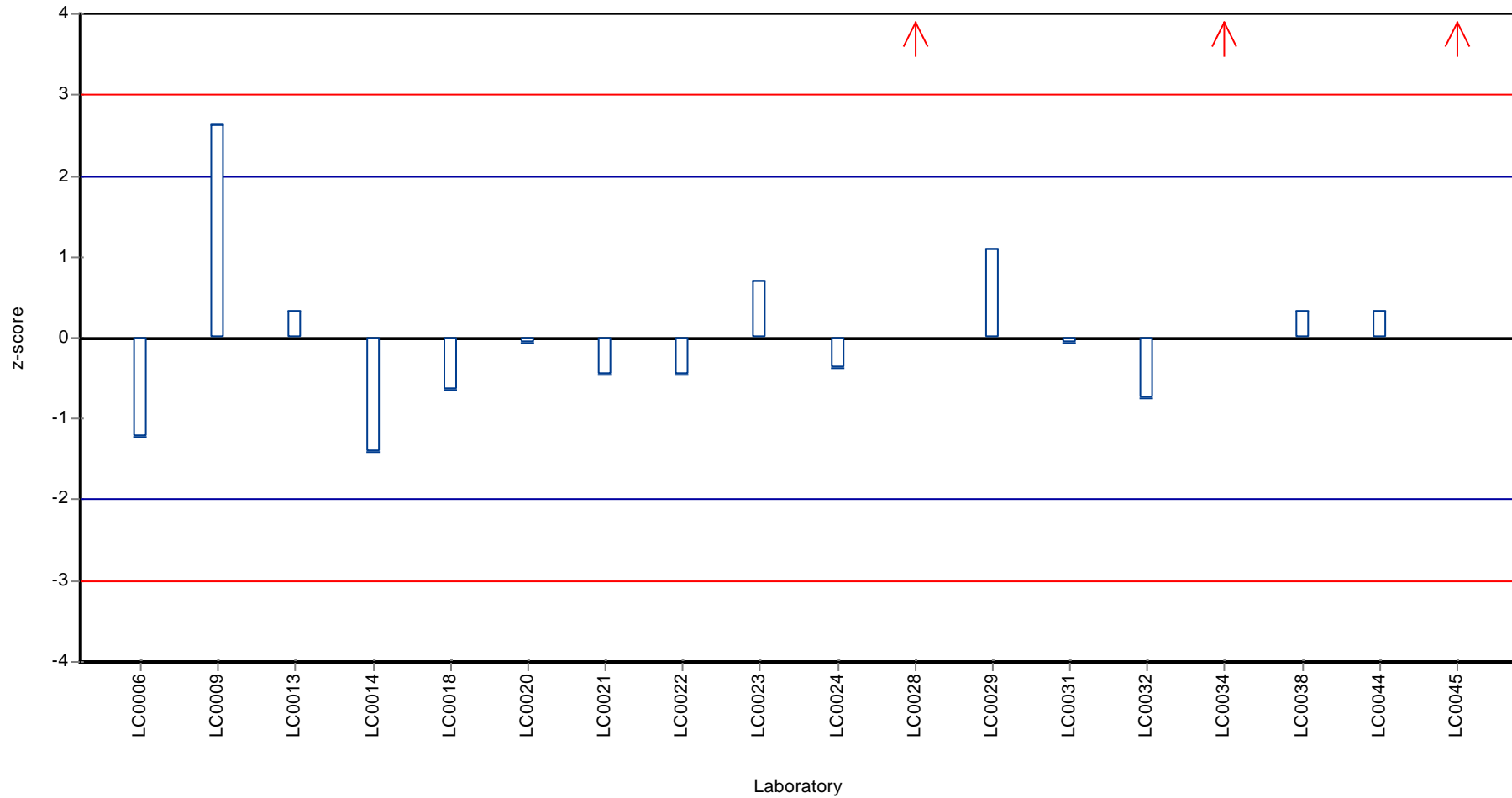
Recovery rate



Parameter oriented report Major ions N125

Sample: N125B, Parameter: Boron

Z-score



## Parameter oriented report

### N125 A

#### Calcium

Unit	mg/l
Mean ± CI (99%)	84.5 ± 0.994
Minimum - Maximum	79.5 - 88.4
Check value ± U	82 ± 1.7

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	86.400	0.966	102.3	1.0	
LC0002	85.600	3.500	101.3	0.6	
LC0003	82.400	8.000	97.5	-1.1	
LC0004	68.500	-	81.1	-8.5	H
LC0005	-	-	-	-	
LC0006	81.000	-	95.9	-1.9	
LC0007	84.100	-	99.5	-0.2	
LC0008	-	-	-	-	
LC0009	85.500	12.825	101.2	0.5	
LC0010	78.400	-	92.8	-3.3	H
LC0011	-	-	-	-	
LC0012	85.236	8.500	100.9	0.4	
LC0013	83.900	15.100	99.3	-0.3	
LC0014	88.400	10.000	104.6	2.1	
LC0015	-	-	-	-	
LC0016	-	-	-	-	
LC0017	94.600	8.800	112.0	5.4	H
LC0018	82.600	-	97.8	-1.0	
LC0019	-	-	-	-	
LC0020	84.000	3.000	99.4	-0.3	
LC0021	85.300	4.300	101.0	0.4	
LC0022	87.000	-	103.0	1.3	
LC0023	90.600	4.500	107.2	3.3	H
LC0024	84.697	2.7292	100.2	0.1	
LC0025	83.900	5.900	99.3	-0.3	
LC0026	84.600	2.000	100.1	0.1	
LC0027	38.690	0.910	45.8	-24.4	H
LC0028	84.7459	0.810	100.3	0.1	
LC0029	85.900	8.600	101.7	0.8	
LC0030	84.400	8.000	99.9	-0.1	
LC0031	85.400	5.000	101.1	0.5	
LC0032	86.200	6.896	102.0	0.9	
LC0033	79.500	8.000	94.1	-2.7	
LC0034	85.500	4.275	101.2	0.5	
LC0035	84.600	0.440	100.1	0.1	
LC0036	80.500	-	95.3	-2.1	
LC0037	82.900	1.240	98.1	-0.9	
LC0038	84.000	6.700	99.4	-0.3	
LC0039	85.400	8.600	101.1	0.5	
LC0040	90.800	7.320	107.5	3.4	H
LC0041	86.060	1.190	101.9	0.8	

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	84.060	-	99.5	-0.2	
LC0043	-	-	-	-	
LC0044	86.500	3.460	102.4	1.1	
LC0045	83.500	1.200	98.8	-0.5	

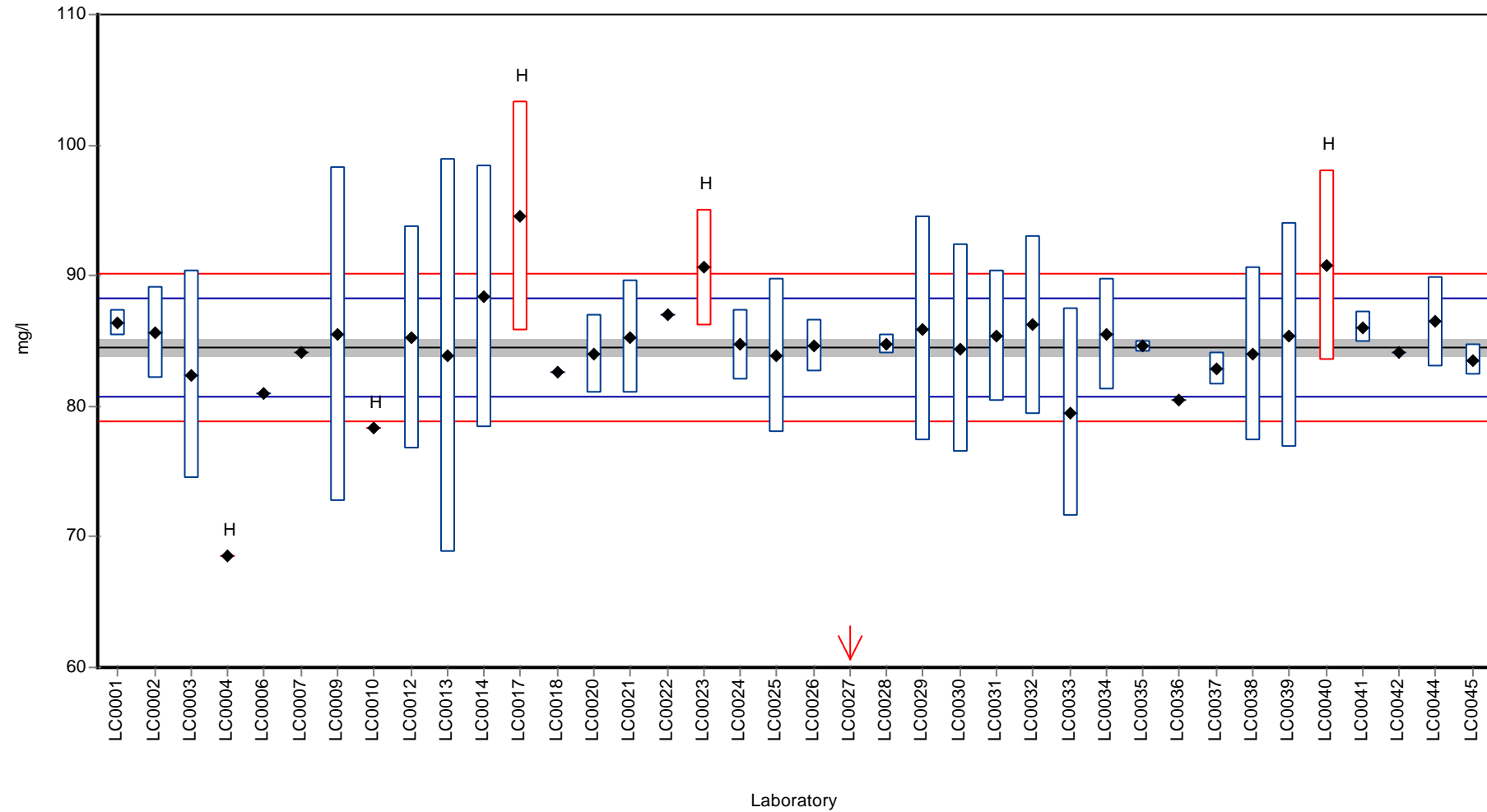
#### Characteristics of parameter

	all results	without outliers	Unit
Mean ± CI (99%)	83.3 ± 4.1	84.5 ± 0.994	mg/l
Minimum	38.7	79.5	mg/l
Maximum	94.6	88.4	mg/l
Standard deviation	8.42	1.87	mg/l
rel. Standard deviation	10.1	2.22	%
n	38	32	-

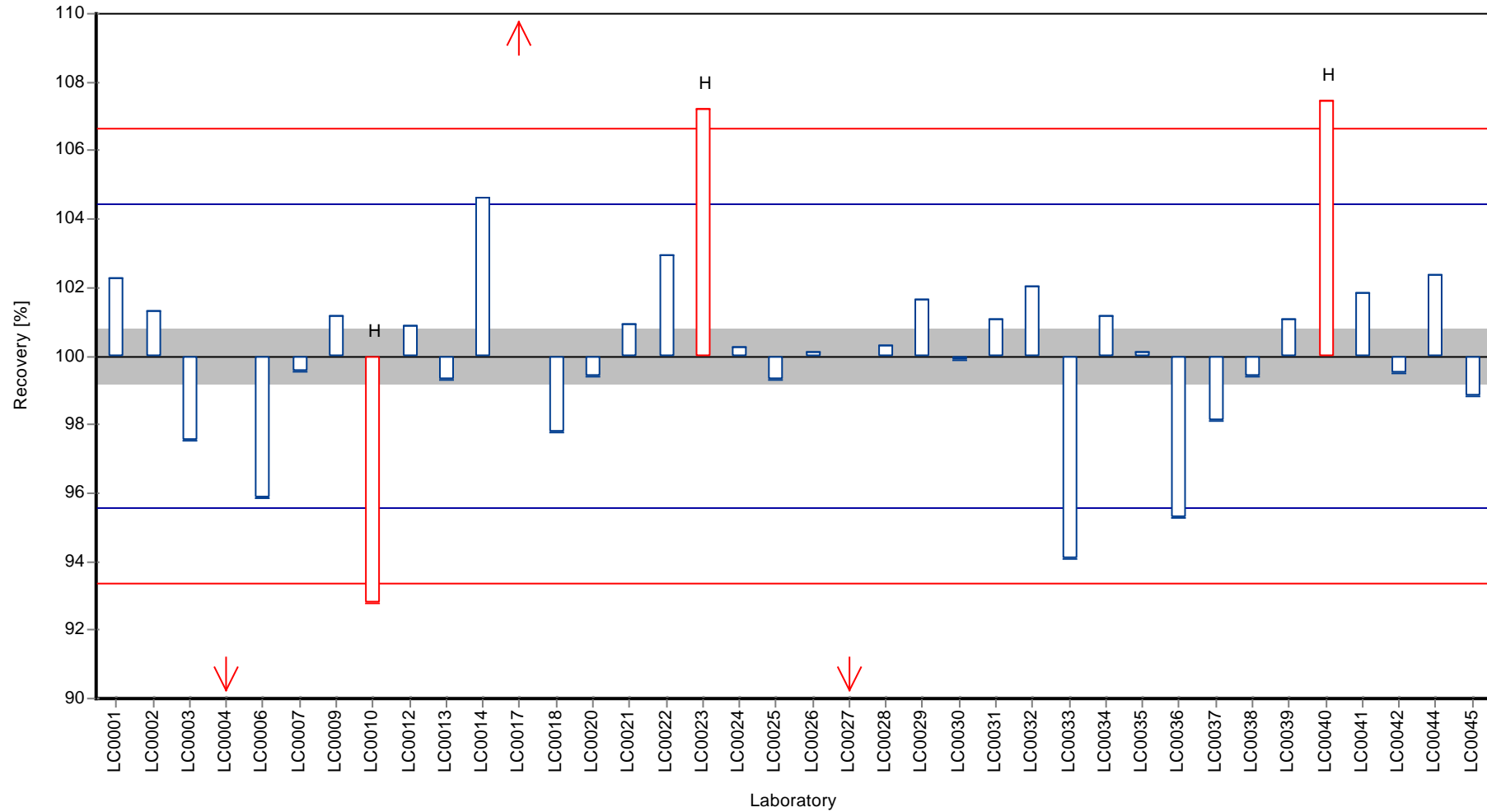


Graphical presentation of results

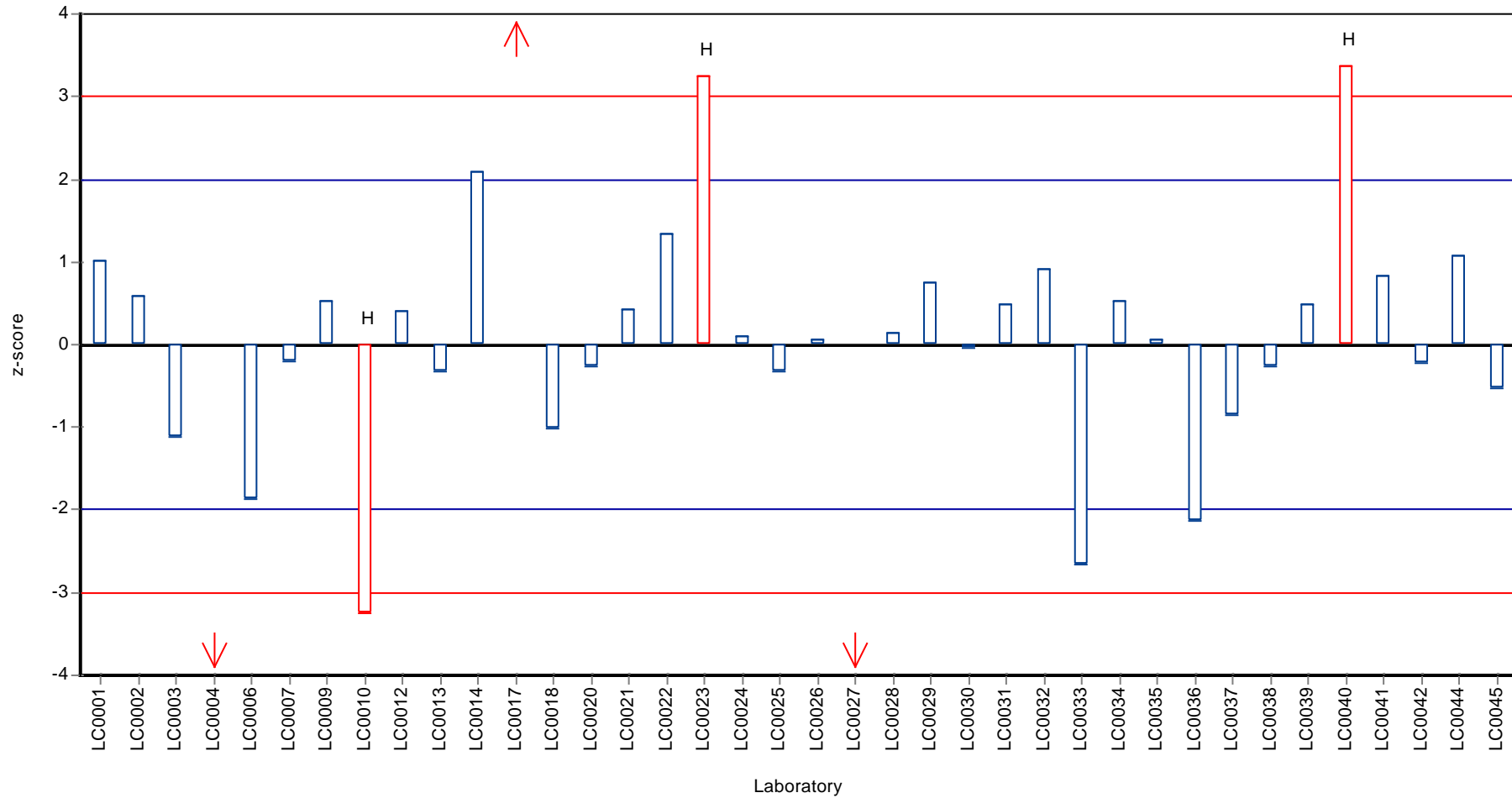
Results



Recovery rate



Z-score



## Parameter oriented report

### N125 B

#### Calcium

Unit	mg/l
Mean ± CI (99%)	67.4 ± 0.89
Minimum - Maximum	63.9 - 71.9
Check value ± U	66.2 ± 1.7

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	68.000	0.897	100.8	0.3	
LC0002	68.900	3.000	102.2	0.8	
LC0003	65.300	6.000	96.8	-1.2	
LC0004	59.200	-	87.8	-4.8	H
LC0005	-	-	-	-	
LC0006	63.900	-	94.7	-2.0	
LC0007	66.800	-	99.0	-0.4	
LC0008	-	-	-	-	
LC0009	64.500	9.675	95.6	-1.7	
LC0010	65.500	-	97.1	-1.1	
LC0011	-	-	-	-	
LC0012	69.476	7.000	103.0	1.2	
LC0013	67.300	12.100	99.8	-0.1	
LC0014	71.100	8.000	105.4	2.1	
LC0015	-	-	-	-	
LC0016	-	-	-	-	
LC0017	68.100	6.300	101.0	0.4	
LC0018	65.900	-	97.7	-0.9	
LC0019	-	-	-	-	
LC0020	66.000	2.400	97.9	-0.8	
LC0021	68.100	3.400	101.0	0.4	
LC0022	68.000	-	100.8	0.3	
LC0023	71.900	3.600	106.6	2.6	
LC0024	68.0562	2.586	100.9	0.4	
LC0025	66.800	4.700	99.0	-0.4	
LC0026	68.200	2.000	101.1	0.4	
LC0027	30.550	0.790	45.3	-21.3	H
LC0028	67.462	1.430	100.0	0.0	
LC0029	68.700	6.900	101.9	0.7	
LC0030	68.100	7.000	101.0	0.4	
LC0031	66.400	5.000	98.5	-0.6	
LC0032	68.100	5.448	101.0	0.4	
LC0033	62.000	6.200	91.9	-3.1	H
LC0034	68.700	3.435	101.9	0.7	
LC0035	66.800	0.380	99.0	-0.4	
LC0036	64.300	-	95.3	-1.8	
LC0037	65.700	0.170	97.4	-1.0	
LC0038	68.000	5.500	100.8	0.3	
LC0039	67.300	6.800	99.8	-0.1	
LC0040	72.600	5.770	107.6	3.0	H
LC0041	68.650	3.180	101.8	0.7	

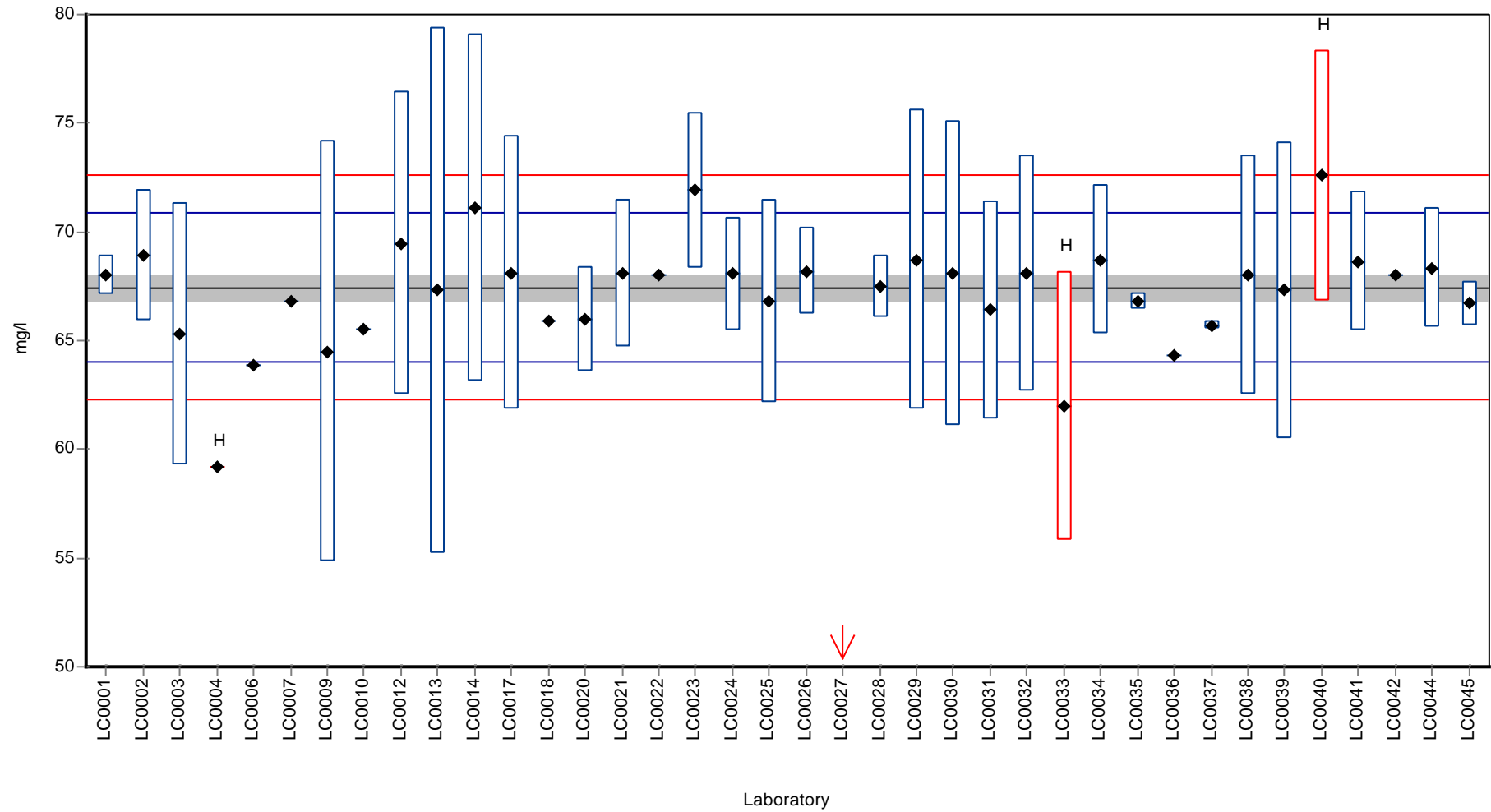
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	68.040	-	100.9	0.3	
LC0043	-	-	-	-	
LC0044	68.340	2.733	101.3	0.5	
LC0045	66.700	1.000	98.9	-0.4	

**Characteristics of parameter**

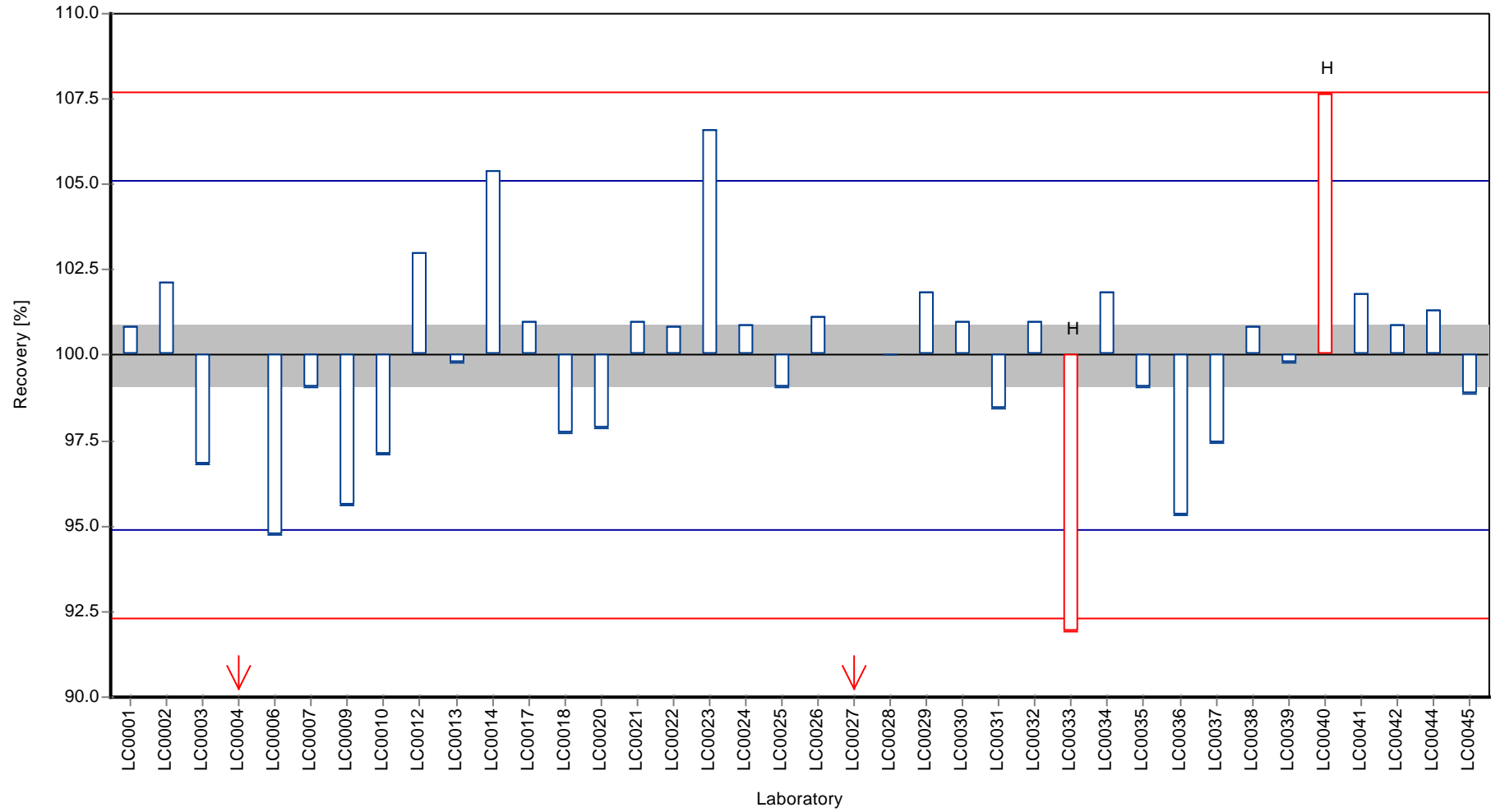
	all results	without outliers	Unit
Mean ± CI (99%)	66.2 ± 3.13	67.4 ± 0.89	mg/l
Minimum	30.6	63.9	mg/l
Maximum	72.6	71.9	mg/l
Standard deviation	6.43	1.73	mg/l
rel. Standard deviation	9.71	2.57	%
n	38	34	-

Graphical presentation of results

Results



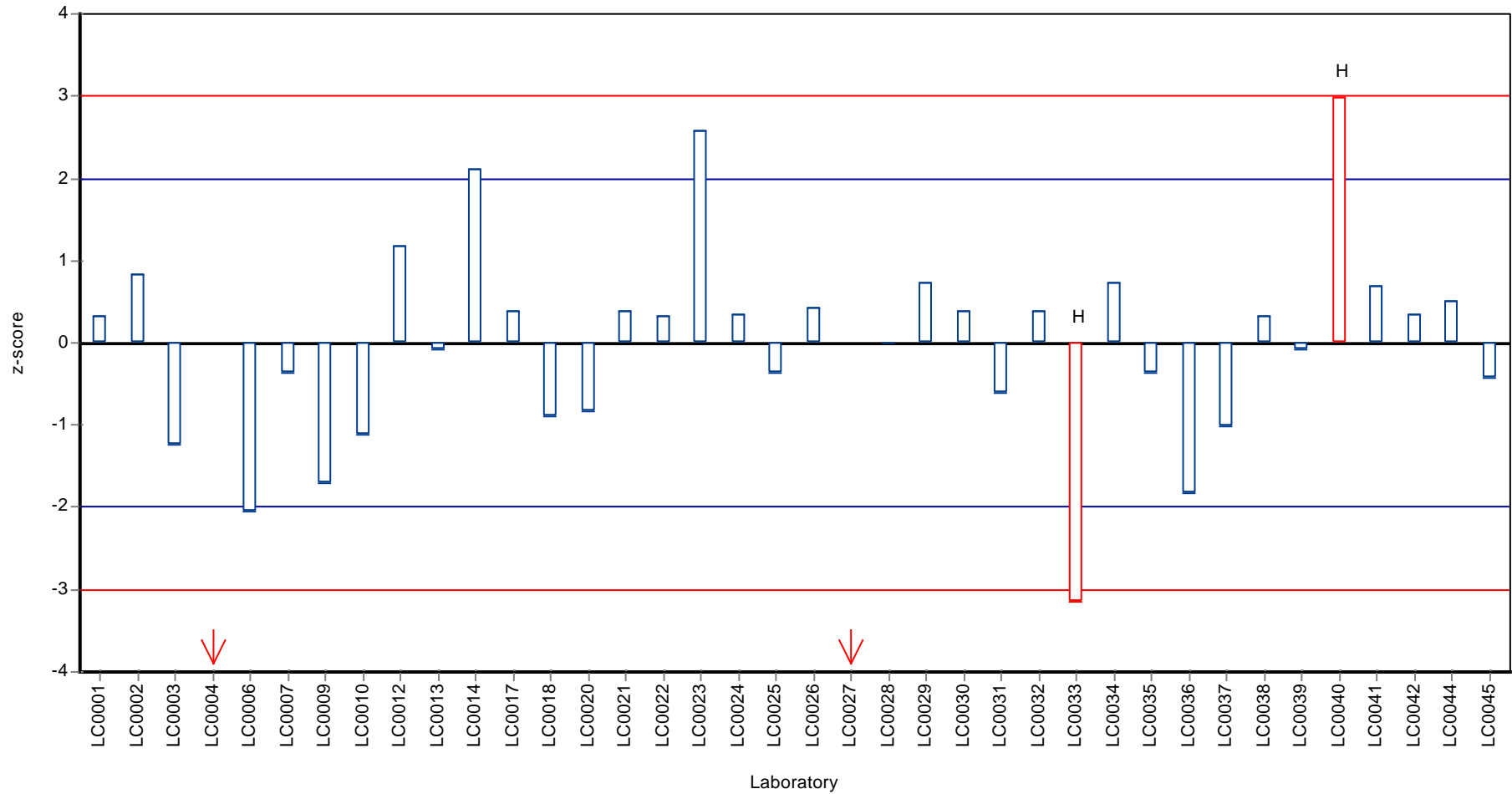
Recovery rate



Parameter oriented report Major ions N125

Sample: N125B, Parameter: Calcium

Z-score





## Parameter oriented report

### N125 A

#### Chloride

Unit	mg/l
Mean ± CI (99%)	35.5 ± 0.371
Minimum - Maximum	34 - 36.5
Check value ± U	36.4 ± 1.1

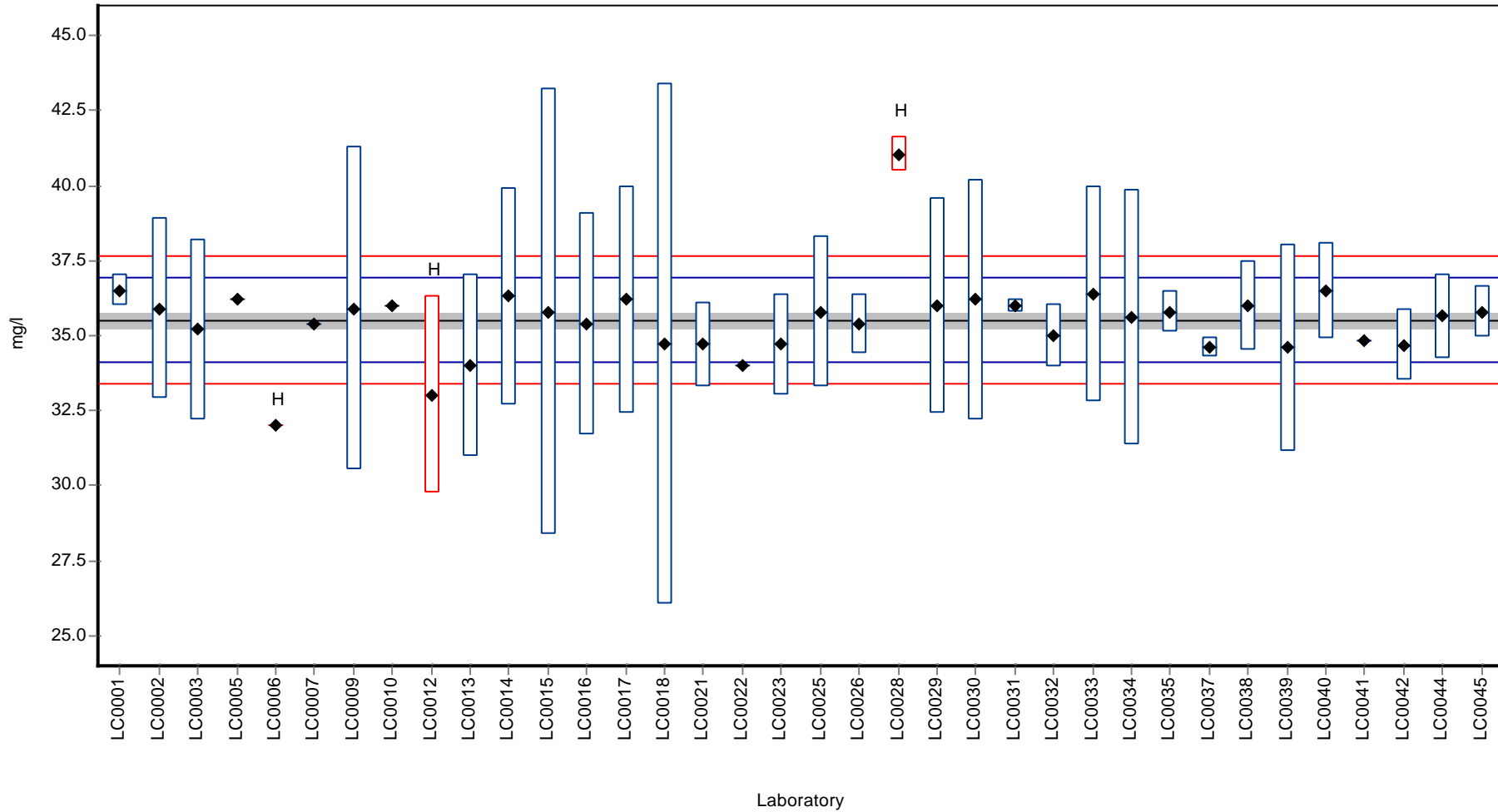
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	36.500	0.530	102.8	1.4	
LC0002	35.900	3.000	101.1	0.6	
LC0003	35.200	3.000	99.1	-0.4	
LC0004	-	-	-	-	
LC0005	36.200	-	101.9	1.0	
LC0006	32.000	-	90.1	-4.9	H
LC0007	35.400	-	99.7	-0.2	
LC0008	-	-	-	-	
LC0009	35.900	5.385	101.1	0.6	
LC0010	36.000	-	101.4	0.7	
LC0011	-	-	-	-	
LC0012	33.031	3.300	93.0	-3.5	H
LC0013	34.000	3.060	95.8	-2.1	
LC0014	36.300	3.600	102.2	1.1	
LC0015	35.800	7.420	100.8	0.4	
LC0016	35.400	3.700	99.7	-0.2	
LC0017	36.200	3.800	101.9	1.0	
LC0018	34.700	8.675	97.7	-1.1	
LC0019	-	-	-	-	
LC0020	-	-	-	-	
LC0021	34.700	1.400	97.7	-1.1	
LC0022	34.000	-	95.8	-2.1	
LC0023	34.700	1.700	97.7	-1.1	
LC0024	-	-	-	-	
LC0025	35.800	2.500	100.8	0.4	
LC0026	35.400	1.000	99.7	-0.2	
LC0027	-	-	-	-	
LC0028	41.0368	0.580	115.6	7.8	H
LC0029	36.000	3.600	101.4	0.7	
LC0030	36.200	4.000	101.9	1.0	
LC0031	36.000	0.200	101.4	0.7	
LC0032	35.000	1.050	98.6	-0.7	
LC0033	36.400	3.600	102.5	1.3	
LC0034	35.600	4.272	100.3	0.1	
LC0035	35.800	0.700	100.8	0.4	
LC0036	-	-	-	-	
LC0037	34.600	0.320	97.4	-1.3	
LC0038	36.000	1.500	101.4	0.7	
LC0039	34.600	3.460	97.4	-1.3	
LC0040	36.500	1.620	102.8	1.4	
LC0041	34.860	0.020	98.2	-0.9	

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	34.680	1.200	97.7	-1.2	
LC0043	-	-	-	-	
LC0044	35.640	1.426	100.4	0.2	
LC0045	35.800	0.860	100.8	0.4	

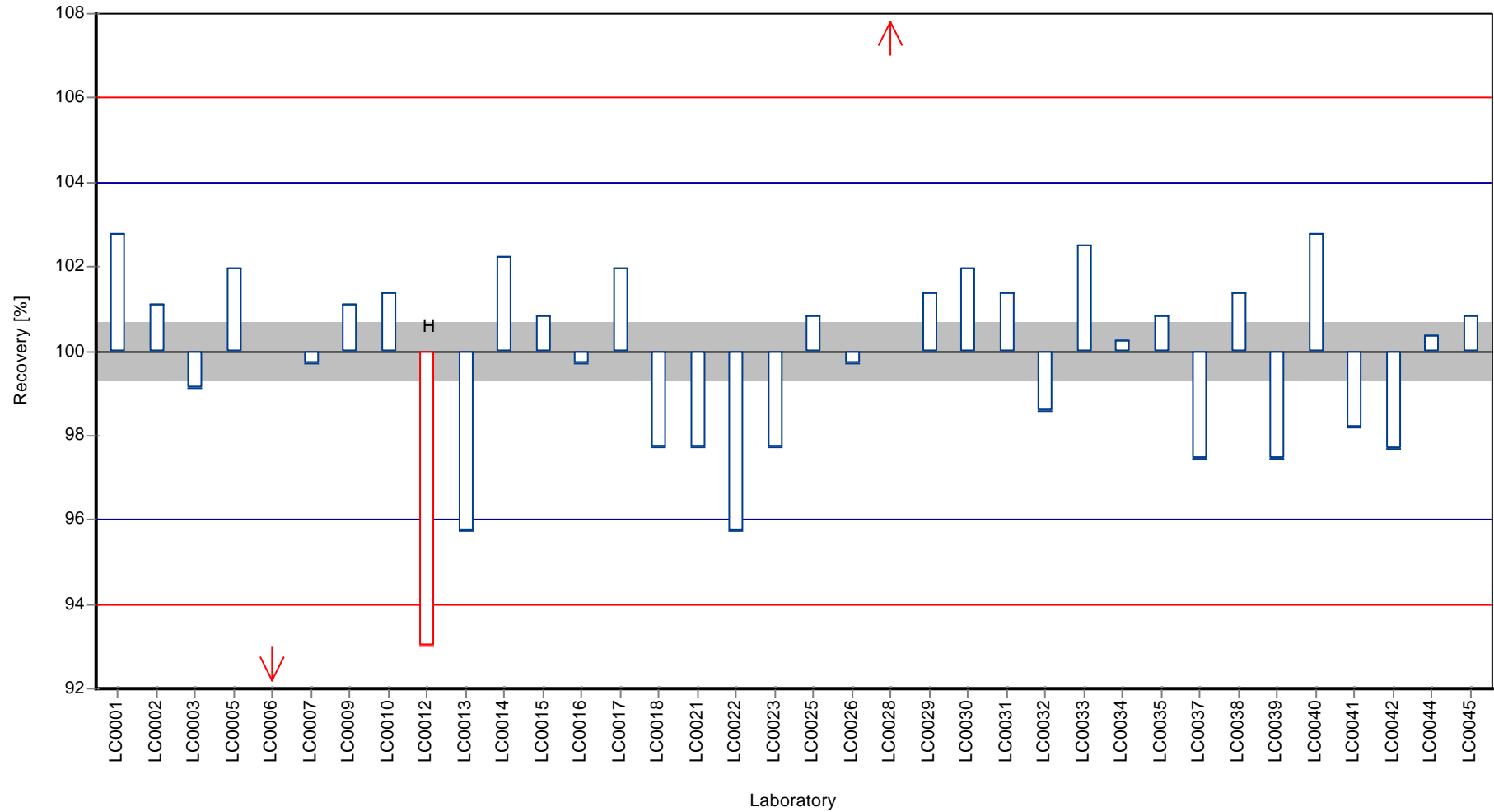
**Characteristics of parameter**

	all results	without outliers	Unit
Mean ± CI (99%)	35.5 ± 0.682	35.5 ± 0.371	mg/l
Minimum	32	34	mg/l
Maximum	41	36.5	mg/l
Standard deviation	1.36	0.71	mg/l
rel. Standard deviation	3.84	2 %	
n	36	33	-

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



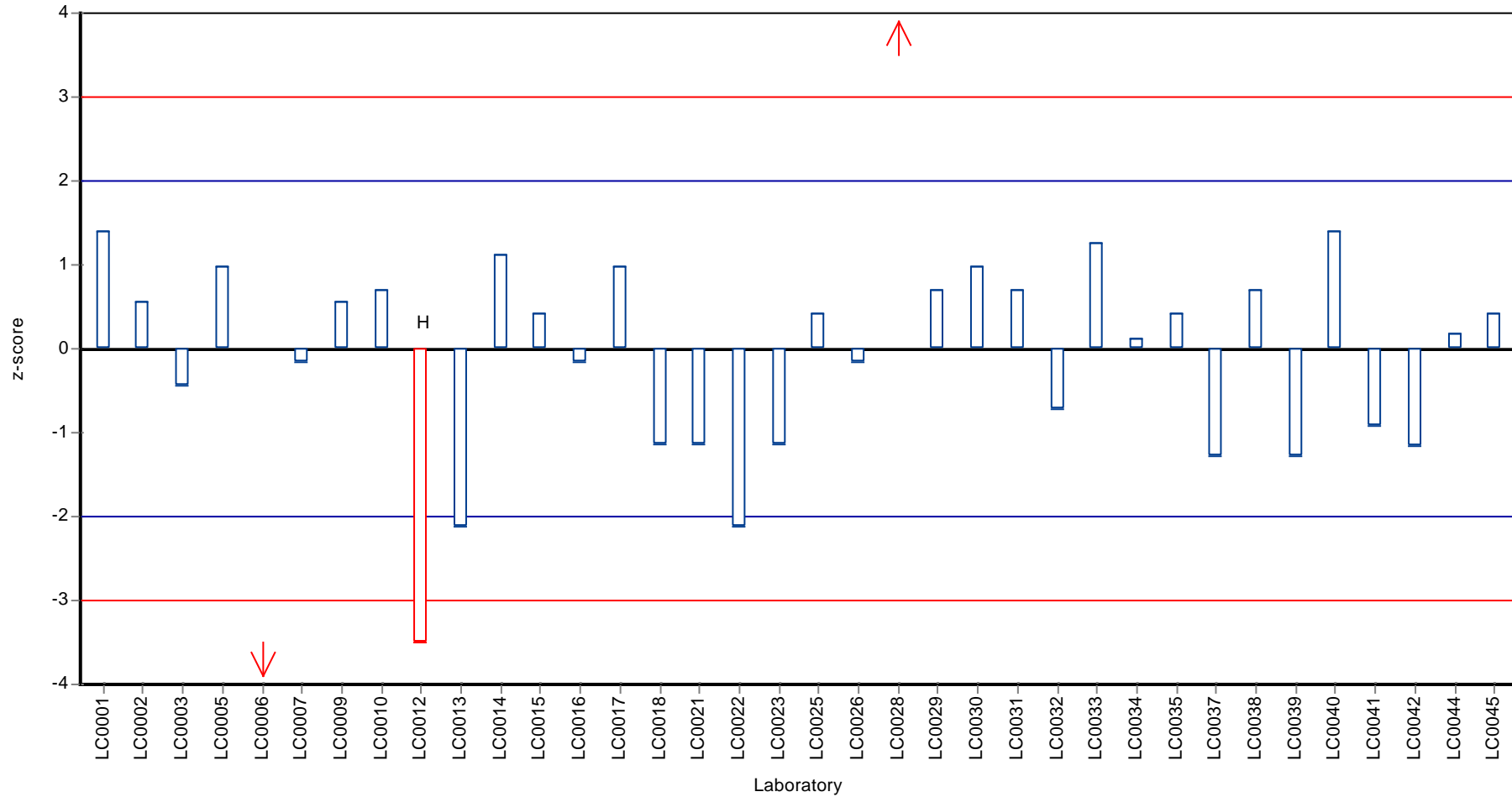
Recovery rate



Parameter oriented report Major ions N125

Sample: N125A, Parameter: Chloride

Z-score



## Parameter oriented report

### N125 B

#### Chloride

Unit	mg/l
Mean ± CI (99%)	31.4 ± 0.409
Minimum - Maximum	29.431 - 33.2
Check value ± U	32 ± 0.32

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	32.400	0.550	103.3	1.3	
LC0002	31.200	2.500	99.4	-0.2	
LC0003	31.200	3.000	99.4	-0.2	
LC0004	-	-	-	-	
LC0005	31.900	-	101.7	0.6	
LC0006	30.300	-	96.6	-1.3	
LC0007	31.500	-	100.4	0.2	
LC0008	-	-	-	-	
LC0009	31.430	4.7145	100.2	0.1	
LC0010	32.500	-	103.6	1.4	
LC0011	-	-	-	-	
LC0012	29.431	2.900	93.8	-2.4	
LC0013	30.200	2.720	96.3	-1.4	
LC0014	31.600	3.200	100.7	0.3	
LC0015	31.700	6.570	101.0	0.4	
LC0016	31.300	3.700	99.8	-0.1	
LC0017	32.200	3.400	102.6	1.0	
LC0018	30.900	7.725	98.5	-0.6	
LC0019	-	-	-	-	
LC0020	-	-	-	-	
LC0021	30.800	1.200	98.2	-0.7	
LC0022	30.000	-	95.6	-1.7	
LC0023	30.900	1.500	98.5	-0.6	
LC0024	-	-	-	-	
LC0025	32.200	2.300	102.6	1.0	
LC0026	31.500	1.000	100.4	0.2	
LC0027	-	-	-	-	
LC0028	30.7886	0.040	98.1	-0.7	
LC0029	31.600	3.200	100.7	0.3	
LC0030	32.000	3.000	102.0	0.8	
LC0031	31.000	1.000	98.8	-0.5	
LC0032	31.300	0.939	99.8	-0.1	
LC0033	31.600	3.200	100.7	0.3	
LC0034	30.600	3.672	97.5	-1.0	
LC0035	31.600	0.200	100.7	0.3	
LC0036	-	-	-	-	
LC0037	33.000	2.500	105.2	2.0	
LC0038	32.000	1.300	102.0	0.8	
LC0039	30.770	3.010	98.1	-0.7	
LC0040	32.300	1.430	102.9	1.1	
LC0041	31.120	0.260	99.2	-0.3	

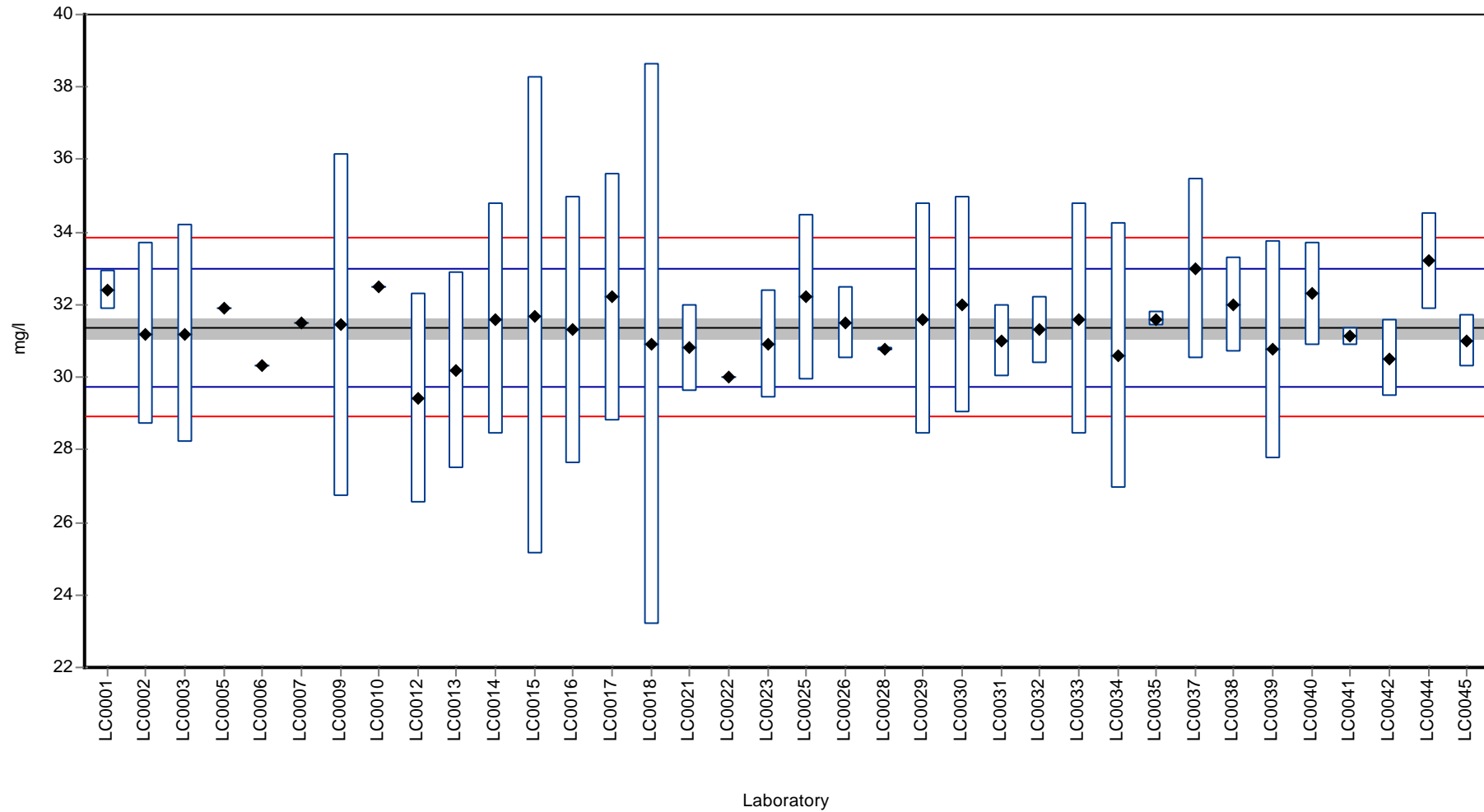
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	30.510	1.060	97.2	-1.1	
LC0043	-	-	-	-	
LC0044	33.200	1.328	105.8	2.2	
LC0045	31.000	0.740	98.8	-0.5	

**Characteristics of parameter**

	all results	without outliers	Unit
Mean ± CI (99%)	31.4 ± 0.409	31.4 ± 0.409	mg/l
Minimum	29.4	29.4	mg/l
Maximum	33.2	33.2	mg/l
Standard deviation	0.817	0.817	mg/l
rel. Standard deviation	2.6	2.6	%
n	36	36	-

Graphical presentation of results

Results

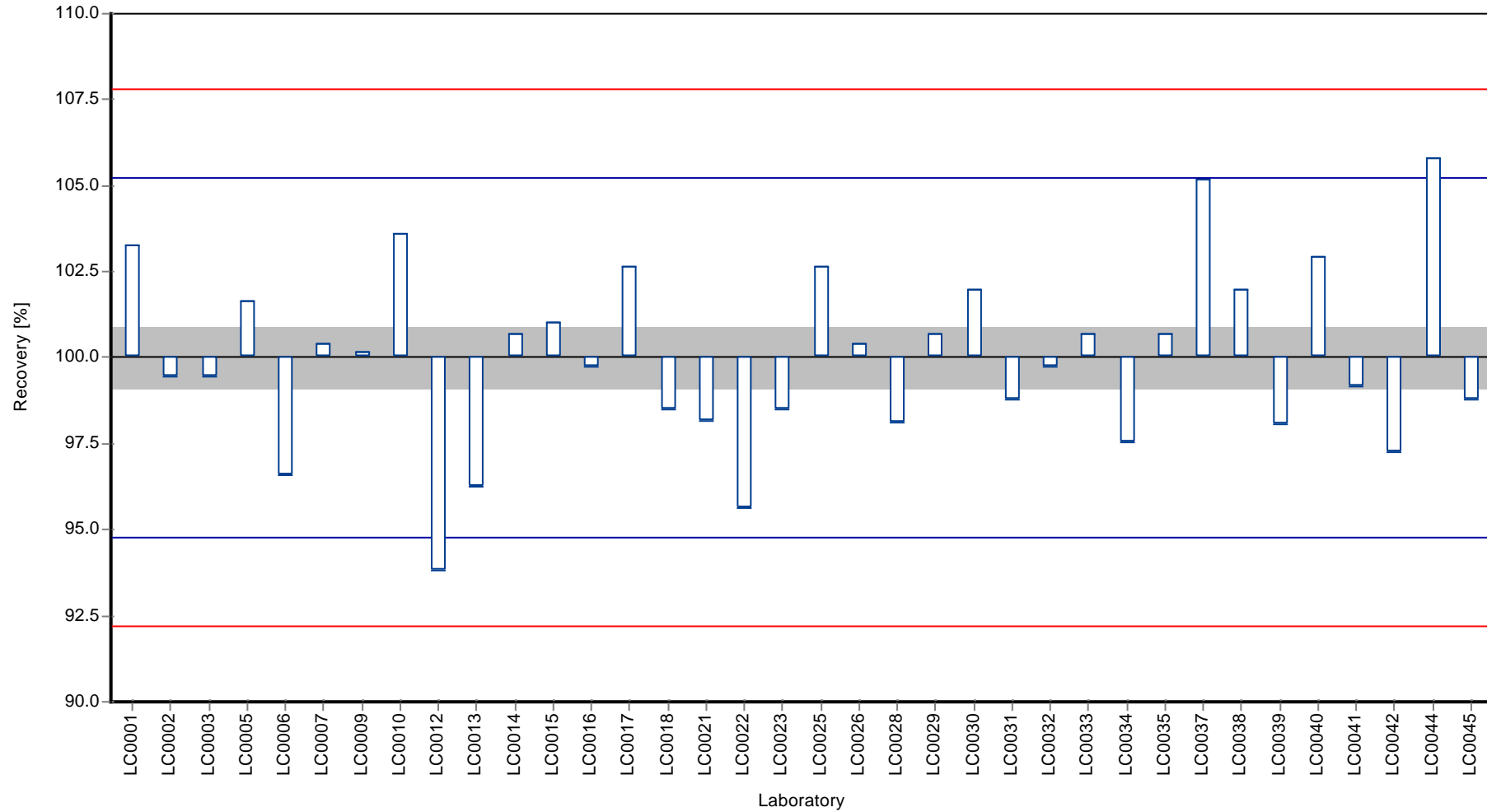




Parameter oriented report Major ions N125

Sample: N125B, Parameter: Chloride

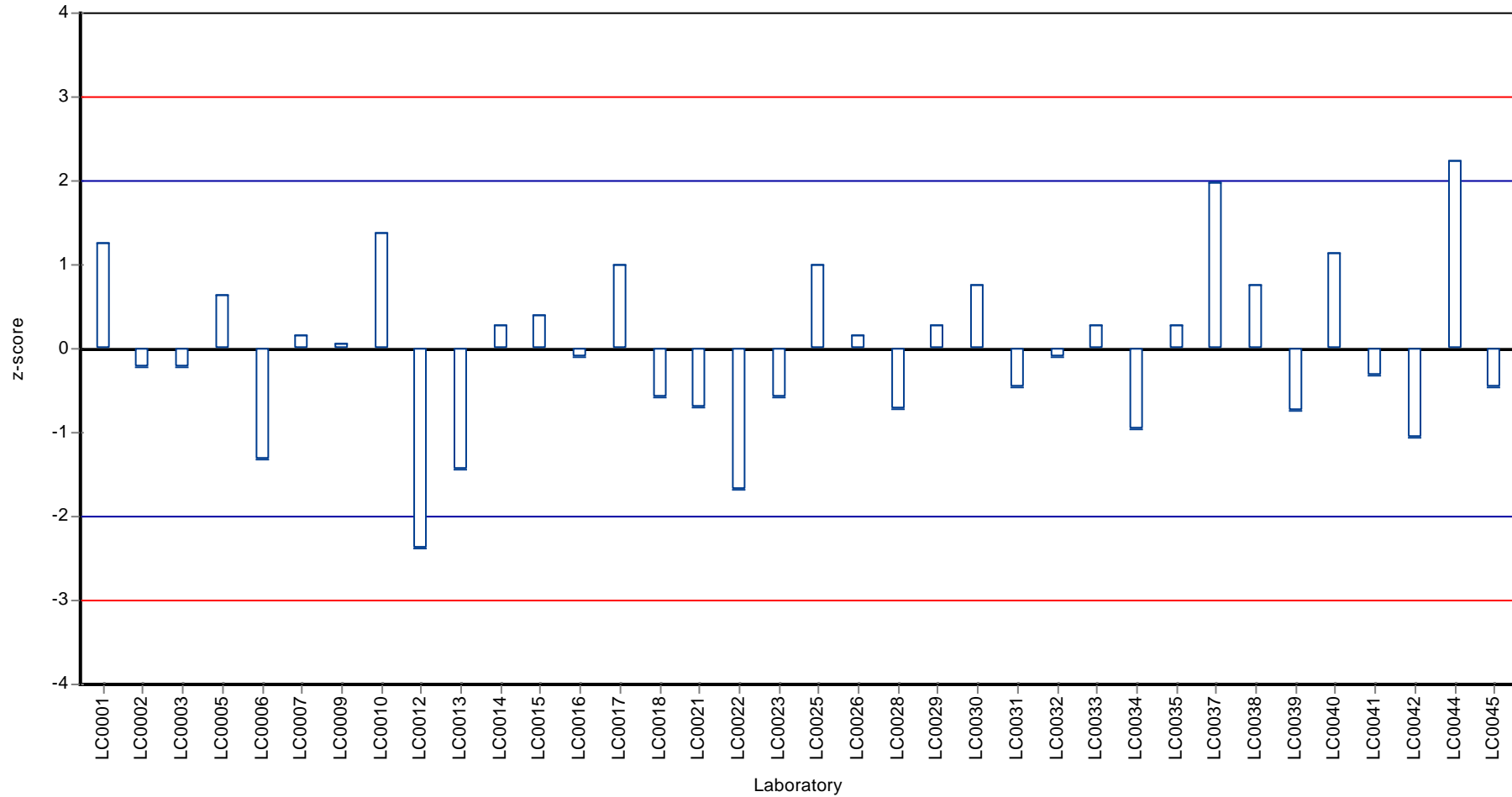
**Recovery rate**



Parameter oriented report Major ions N125

Sample: N125B, Parameter: Chloride

Z-score



## Parameter oriented report

### N125 A

#### DOC (as C)

Unit	mg/l
Mean ± CI (99%)	0.789 ± 0.0751
Minimum - Maximum	0.59 - 1.09
Check value ± U	<1.0

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	1.090	0.080	138.2	2.5	
LC0002	0.780	0.120	98.9	-0.1	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	-	-	-	-	
LC0006	12.100	-	1534.0	92.2	H
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	0.750	0.1125	95.1	-0.3	
LC0010	0.820	-	104.0	0.3	
LC0011	-	-	-	-	
LC0012	0.860	0.090	109.0	0.6	
LC0013	0.640	0.060	81.1	-1.2	
LC0014	1.490	0.300	188.9	5.7	H
LC0015	-	-	-	-	
LC0016	-	-	-	-	
LC0017	0.720	0.084	91.3	-0.6	
LC0018	0.735	0.1838	93.2	-0.4	
LC0019	-	-	-	-	
LC0020	0.720	0.060	91.3	-0.6	
LC0021	0.650	0.070	82.4	-1.1	
LC0022	0.800	-	101.4	0.1	
LC0023	0.700	0.100	88.7	-0.7	
LC0024	-	-	-	-	
LC0025	0.680	0.140	86.2	-0.9	
LC0026	0.720	0.200	91.3	-0.6	
LC0027	2.140	0.170	271.3	11.0	H
LC0028	0.960	0.180	121.7	1.4	
LC0029	< 0.5 (LOQ)	-	-	-	
LC0030	0.750	0.120	95.1	-0.3	
LC0031	1.000	0.050	126.8	1.7	
LC0032	0.860	0.0774	109.0	0.6	
LC0033	-	-	-	-	
LC0034	< 2 (LOQ)	-	-	-	
LC0035	0.590	0.010	74.8	-1.6	
LC0036	-	-	-	-	
LC0037	0.960	0.001	121.7	1.4	
LC0038	0.693	0.070	87.9	-0.8	
LC0039	0.7632	0.0763	96.8	-0.2	
LC0040	-	-	-	-	
LC0041	-	-	-	-	

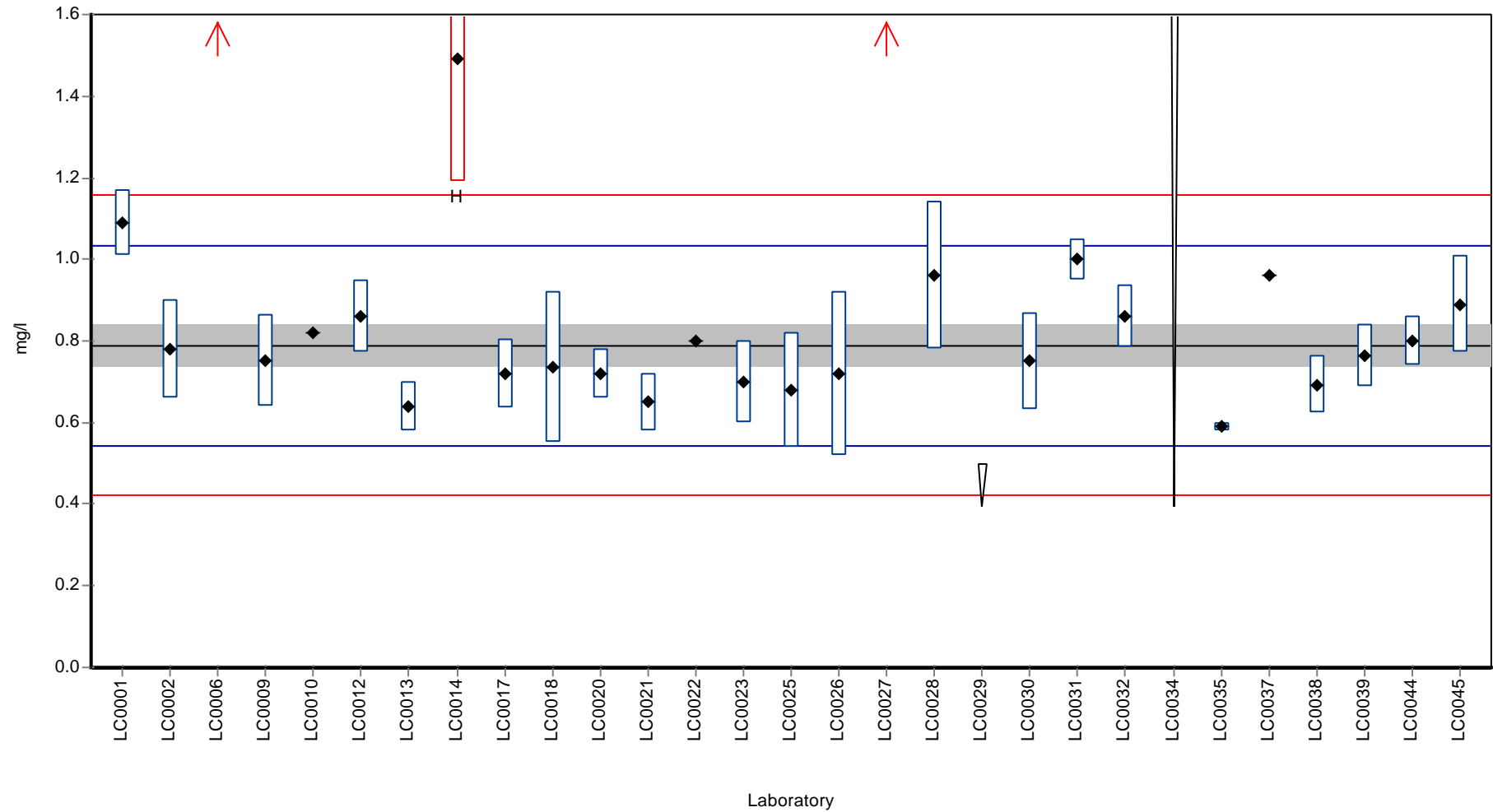
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	-	-	-	-	
LC0043	-	-	-	-	
LC0044	0.800	0.060	101.4	0.1	
LC0045	0.890	0.120	112.8	0.8	

#### Characteristics of parameter

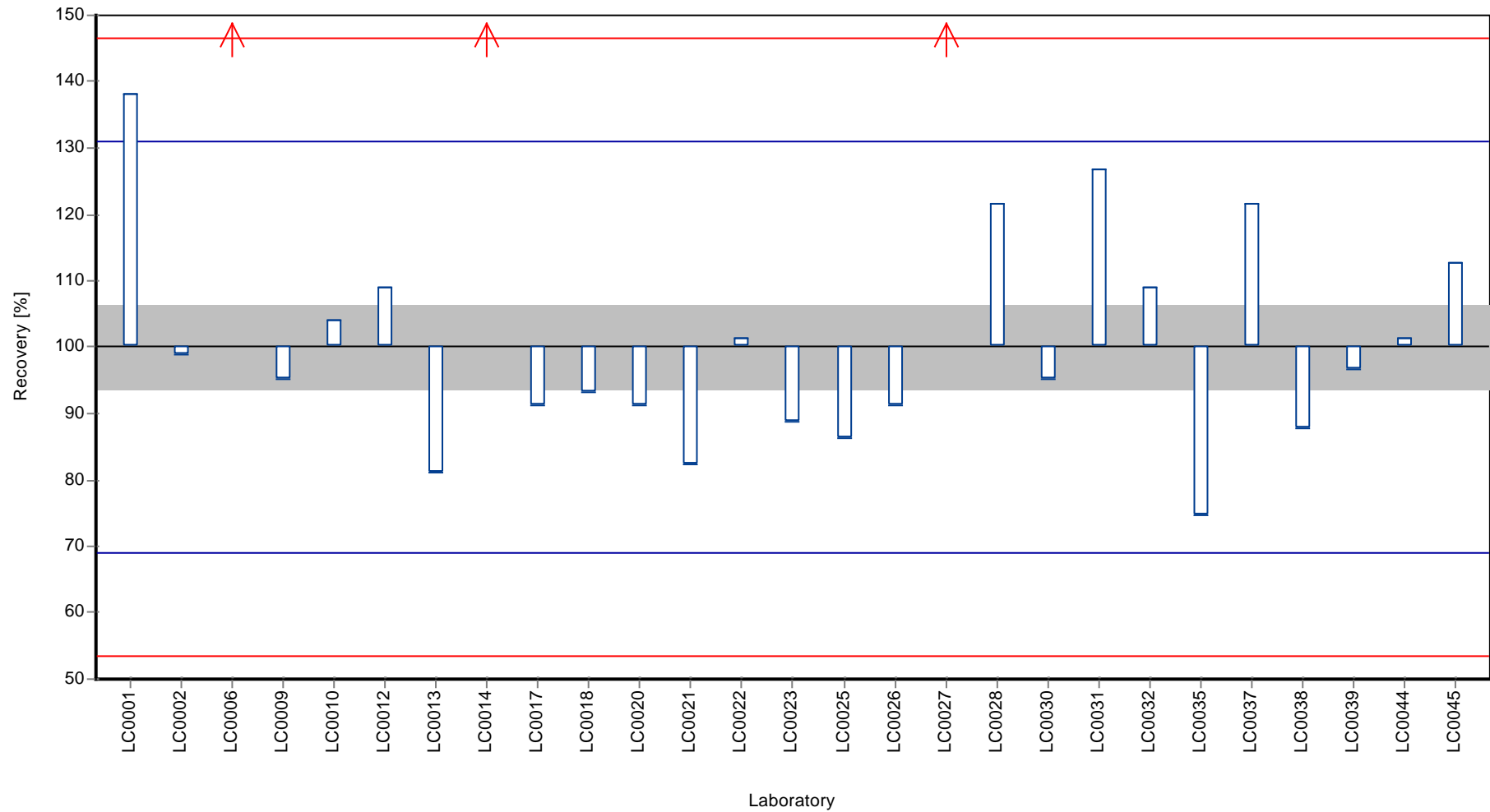
	all results	without outliers	Unit
Mean ± CI (99%)	1.28 ± 1.26	0.789 ± 0.0751	mg/l
Minimum	0.59	0.59	mg/l
Maximum	12.1	1.09	mg/l
Standard deviation	2.18	0.123	mg/l
rel. Standard deviation	170	15.6	%
n	27	24	-

Graphical presentation of results

Results



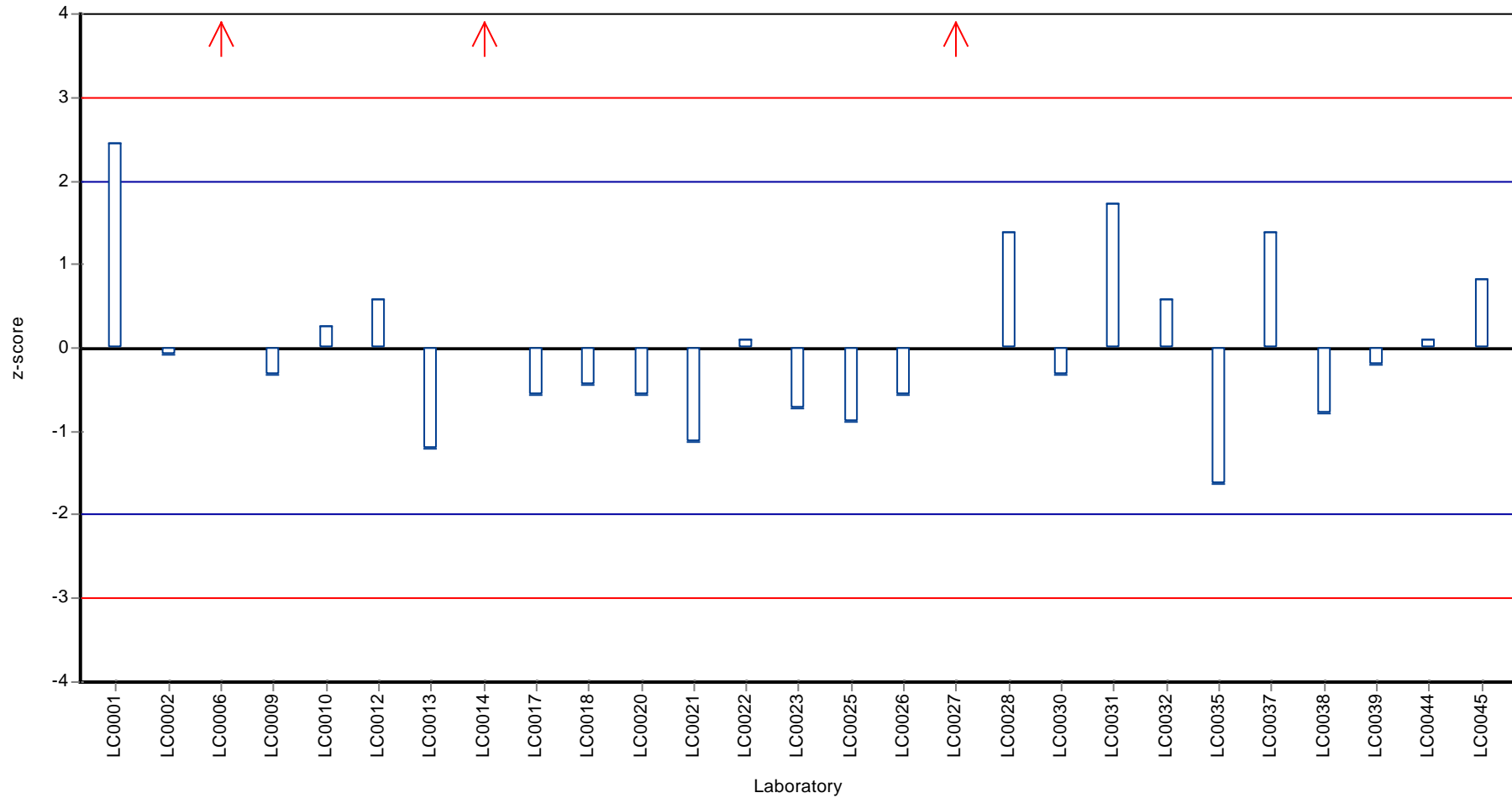
Recovery rate



Parameter oriented report Major ions N125

Sample: N125A, Parameter: DOC (as C)

Z-score



## Parameter oriented report

### N125 B

#### DOC (as C)

Unit	mg/l
Mean ± CI (99%)	2.29 ± 0.0987
Minimum - Maximum	1.99 - 2.68
Check value ± U	2.12 ± 0.08

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	2.580	0.080	112.9	1.8	
LC0002	2.310	0.370	101.1	0.1	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	-	-	-	-	
LC0006	21.500	-	940.6	114.6	H
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	2.180	0.327	95.4	-0.6	
LC0010	2.300	-	100.6	0.1	
LC0011	-	-	-	-	
LC0012	2.398	0.240	104.9	0.7	
LC0013	2.100	0.190	91.9	-1.1	
LC0014	2.470	0.500	108.1	1.1	
LC0015	-	-	-	-	
LC0016	-	-	-	-	
LC0017	2.400	0.280	105.0	0.7	
LC0018	2.408	0.602	105.3	0.7	
LC0019	-	-	-	-	
LC0020	1.990	0.160	87.1	-1.8	
LC0021	2.120	0.210	92.7	-1.0	
LC0022	2.200	-	96.2	-0.5	
LC0023	2.200	0.200	96.2	-0.5	
LC0024	-	-	-	-	
LC0025	2.350	0.190	102.8	0.4	
LC0026	2.230	0.200	97.6	-0.3	
LC0027	3.000	0.260	131.2	4.3	H
LC0028	2.190	0.150	95.8	-0.6	
LC0029	1.660	0.170	72.6	-3.7	H
LC0030	2.310	0.400	101.1	0.1	
LC0031	2.500	0.060	109.4	1.3	
LC0032	2.260	0.2034	98.9	-0.2	
LC0033	-	-	-	-	
LC0034	2.000	0.200	87.5	-1.7	
LC0035	2.040	0.060	89.2	-1.5	
LC0036	-	-	-	-	
LC0037	2.300	0.001	100.6	0.1	
LC0038	2.350	0.190	102.8	0.4	
LC0039	2.264	0.226	99.0	-0.1	
LC0040	-	-	-	-	
LC0041	-	-	-	-	



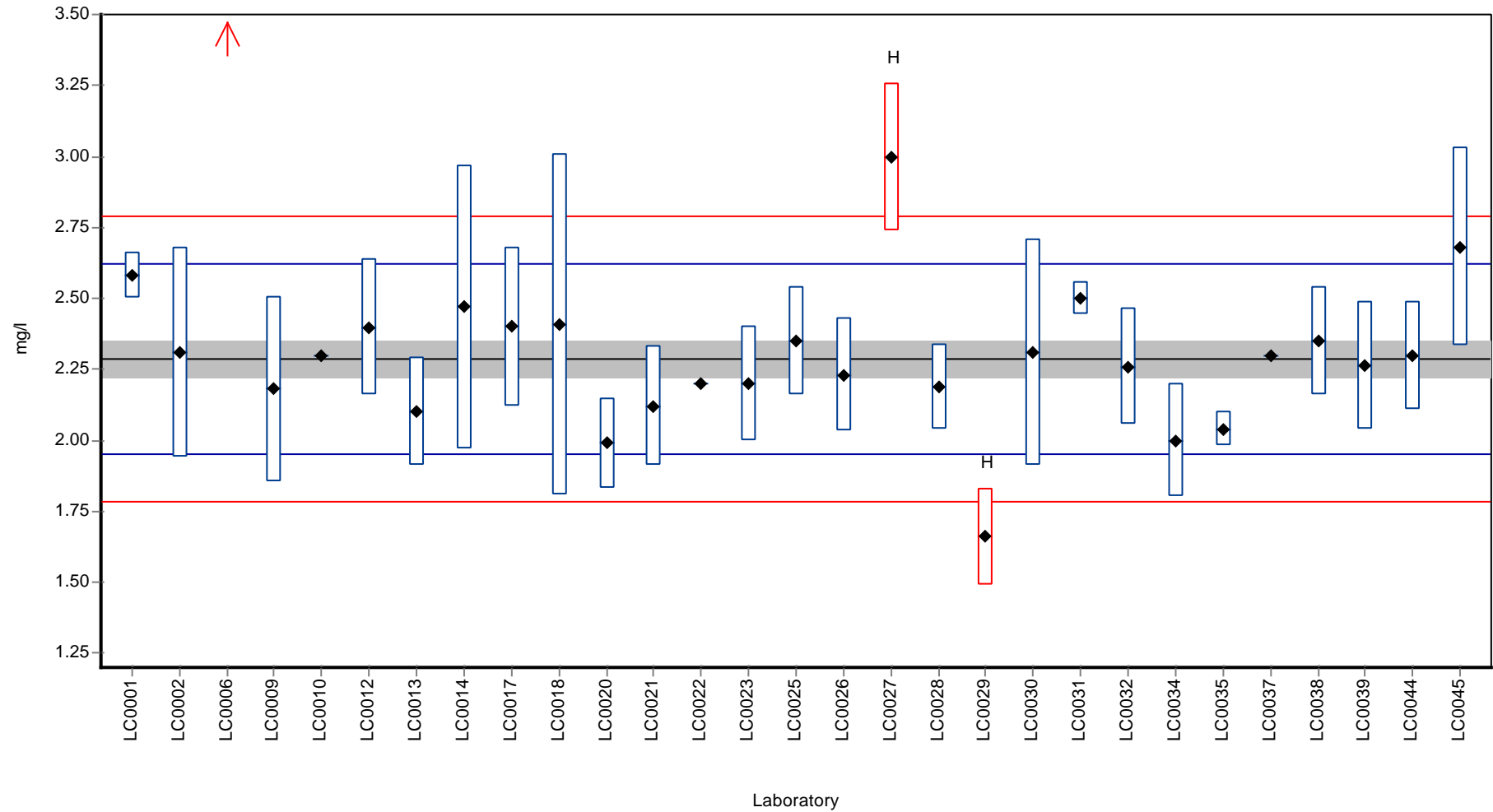
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	-	-	-	-	
LC0043	-	-	-	-	
LC0044	2.300	0.190	100.6	0.1	
LC0045	2.680	0.350	117.2	2.4	

#### Characteristics of parameter

	all results	without outliers	Unit
Mean ± CI (99%)	2.95 ± 1.99	2.29 ± 0.0987	mg/l
Minimum	1.66	1.99	mg/l
Maximum	21.5	2.68	mg/l
Standard deviation	3.58	0.168	mg/l
rel. Standard deviation	121	7.34	%
n	29	26	-

Graphical presentation of results

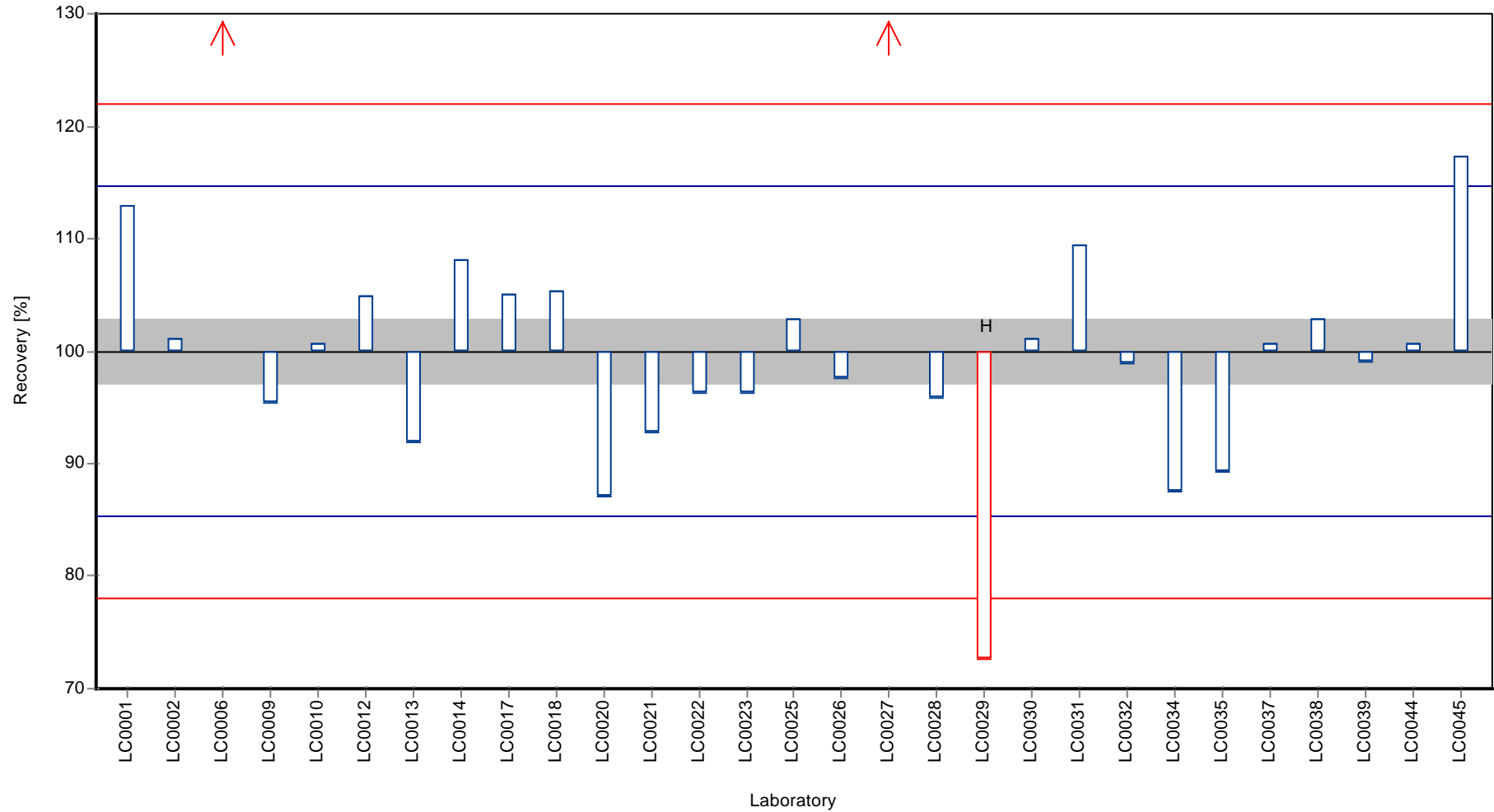
Results



Parameter oriented report Major ions N125

Sample: N125B, Parameter: DOC (as C)

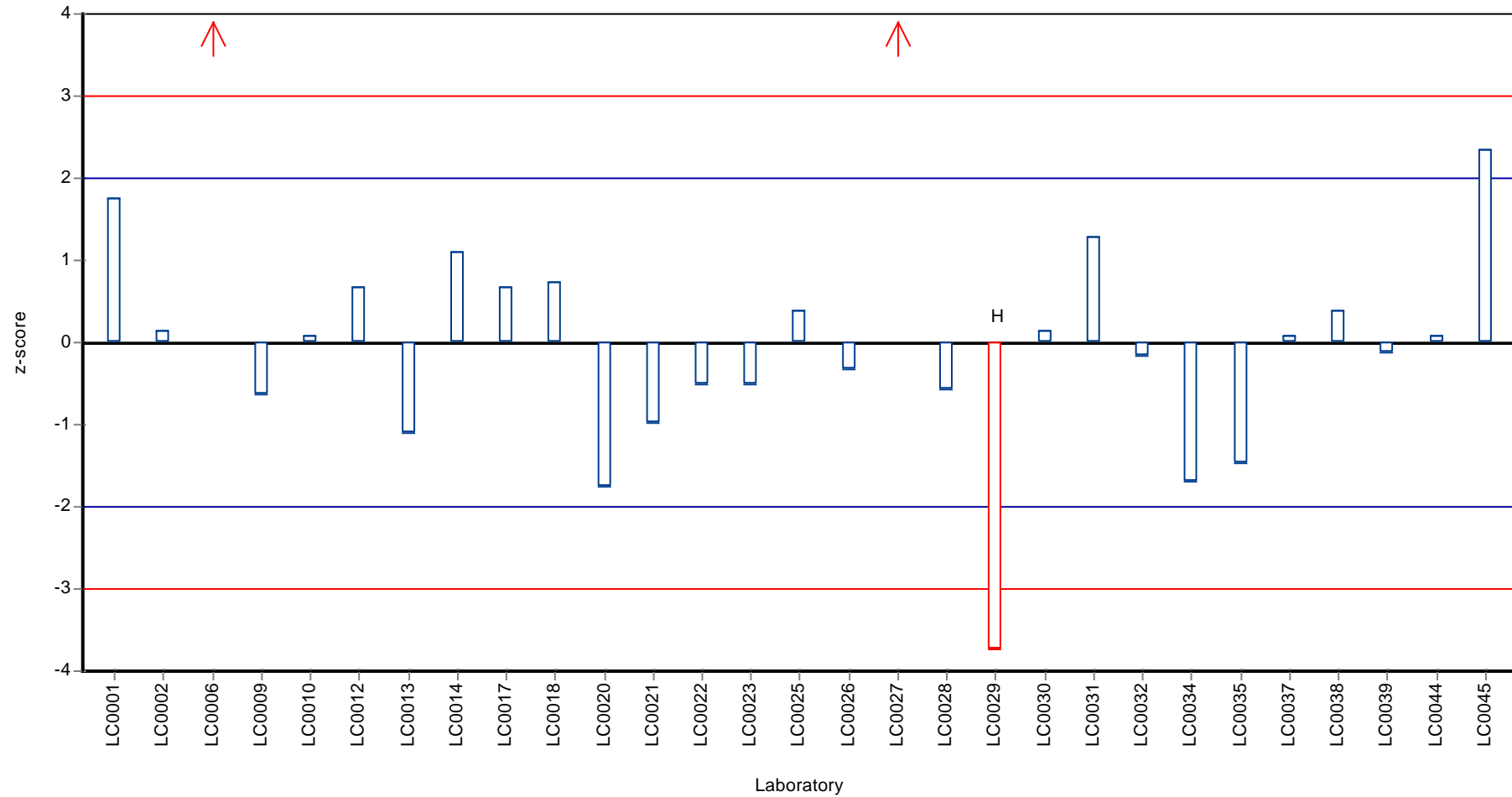
Recovery rate



Parameter oriented report Major ions N125

Sample: N125B, Parameter: DOC (as C)

Z-score



## Parameter oriented report

### N125 A

#### Total-P (as PO4)

Unit	mg/l
Mean ± CI (99%)	0.188 ± 0.00875
Minimum - Maximum	0.154 - 0.212
Check value ± U	-

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.1791	0.0033	95.1	-0.6	
LC0002	0.190	0.025	100.9	0.1	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	0.185	-	98.3	-0.2	
LC0006	0.285	-	151.4	6.8	H
LC0007	0.210	-	111.6	1.5	
LC0008	0.205	0.032	108.9	1.2	
LC0009	0.212	0.0318	112.6	1.7	
LC0010	-	-	-	-	
LC0011	-	-	-	-	
LC0012	0.199	0.020	105.7	0.8	
LC0013	0.170	0.020	90.3	-1.3	
LC0014	0.172	0.015	91.4	-1.1	
LC0015	-	-	-	-	
LC0016	-	-	-	-	
LC0017	-	-	-	-	
LC0018	0.192	-	102.0	0.3	
LC0019	0.179	0.006	95.1	-0.6	
LC0020	0.182	0.018	96.7	-0.4	
LC0021	0.198	0.020	105.2	0.7	
LC0022	< 0.31 (LOQ)	-	-	-	
LC0023	0.250	0.013	132.8	4.3	H
LC0024	-	-	-	-	
LC0025	-	-	-	-	
LC0026	-	-	-	-	
LC0027	0.191	0.002	101.5	0.2	
LC0028	0.240	0.0003	127.5	3.6	H
LC0029	0.190	0.038	100.9	0.1	
LC0030	0.194	0.030	103.1	0.4	
LC0031	0.200	0.008	106.2	0.8	
LC0032	0.110	0.0044	58.4	-5.5	H
LC0033	-	-	-	-	
LC0034	0.282	0.0395	149.8	6.6	H
LC0035	0.183	0.002	97.2	-0.4	
LC0036	< 0.3 (LOQ)	-	-	-	
LC0037	0.160	0.003	85.0	-2.0	
LC0038	0.191	0.019	101.5	0.2	
LC0039	0.190	0.038	100.9	0.1	
LC0040	-	-	-	-	
LC0041	0.154	0.032	81.8	-2.4	

Parameter oriented report Major ions N125

Sample: N125A, Parameter: Total-P (as PO4)

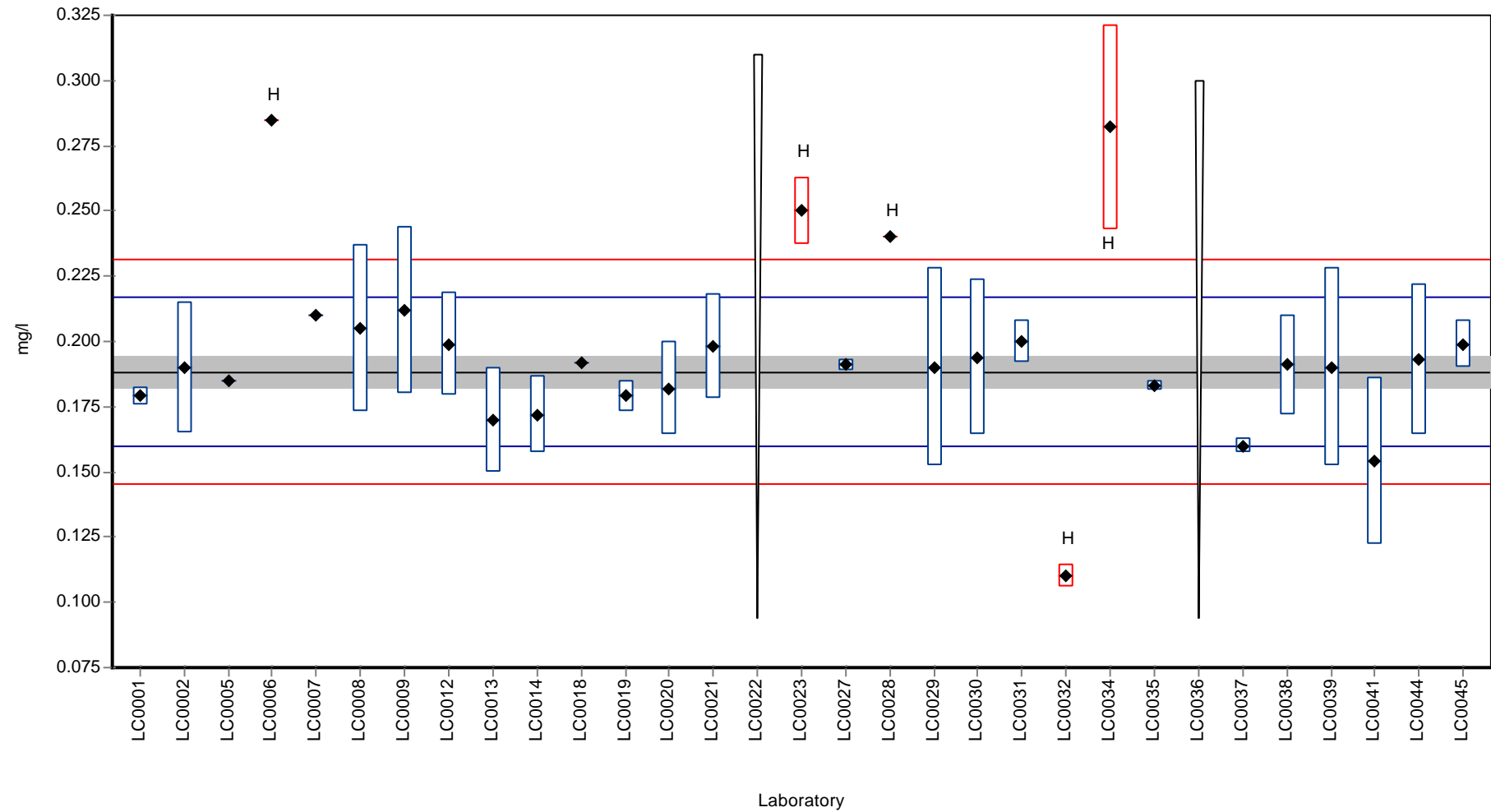
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	-	-	-	-	
LC0043	-	-	-	-	
LC0044	0.193	0.029	102.5	0.3	
LC0045	0.199	0.009	105.7	0.8	

#### Characteristics of parameter

	all results	without outliers	Unit
Mean ± CI (99%)	0.196 ± 0.0193	0.188 ± 0.00875	mg/l
Minimum	0.11	0.154	mg/l
Maximum	0.285	0.212	mg/l
Standard deviation	0.0347	0.0143	mg/l
rel. Standard deviation	17.7	7.59	%
n	29	24	-

Graphical presentation of results

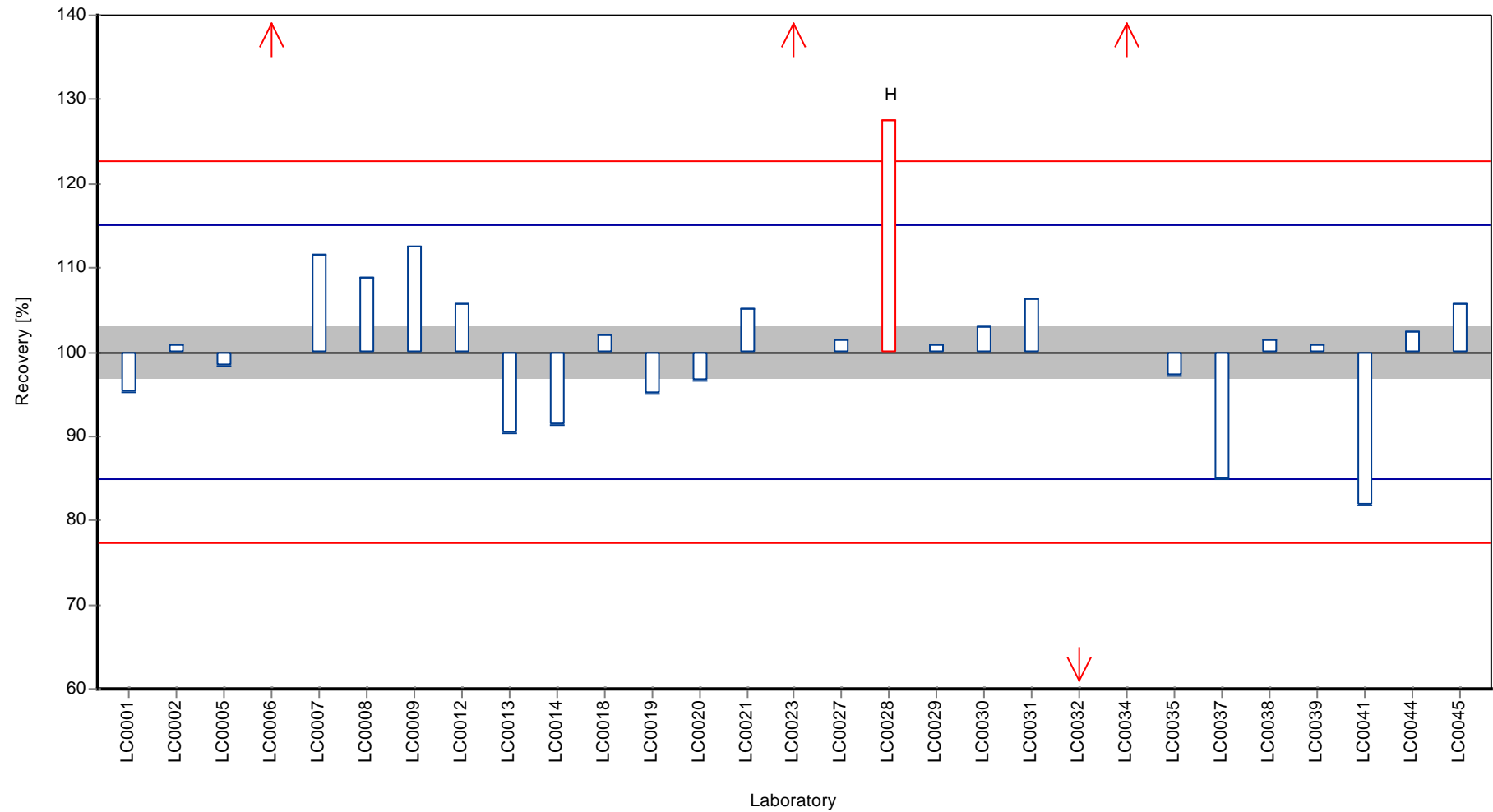
Results



Parameter oriented report Major ions N125

Sample: N125A, Parameter: Total-P (as PO4)

Recovery rate

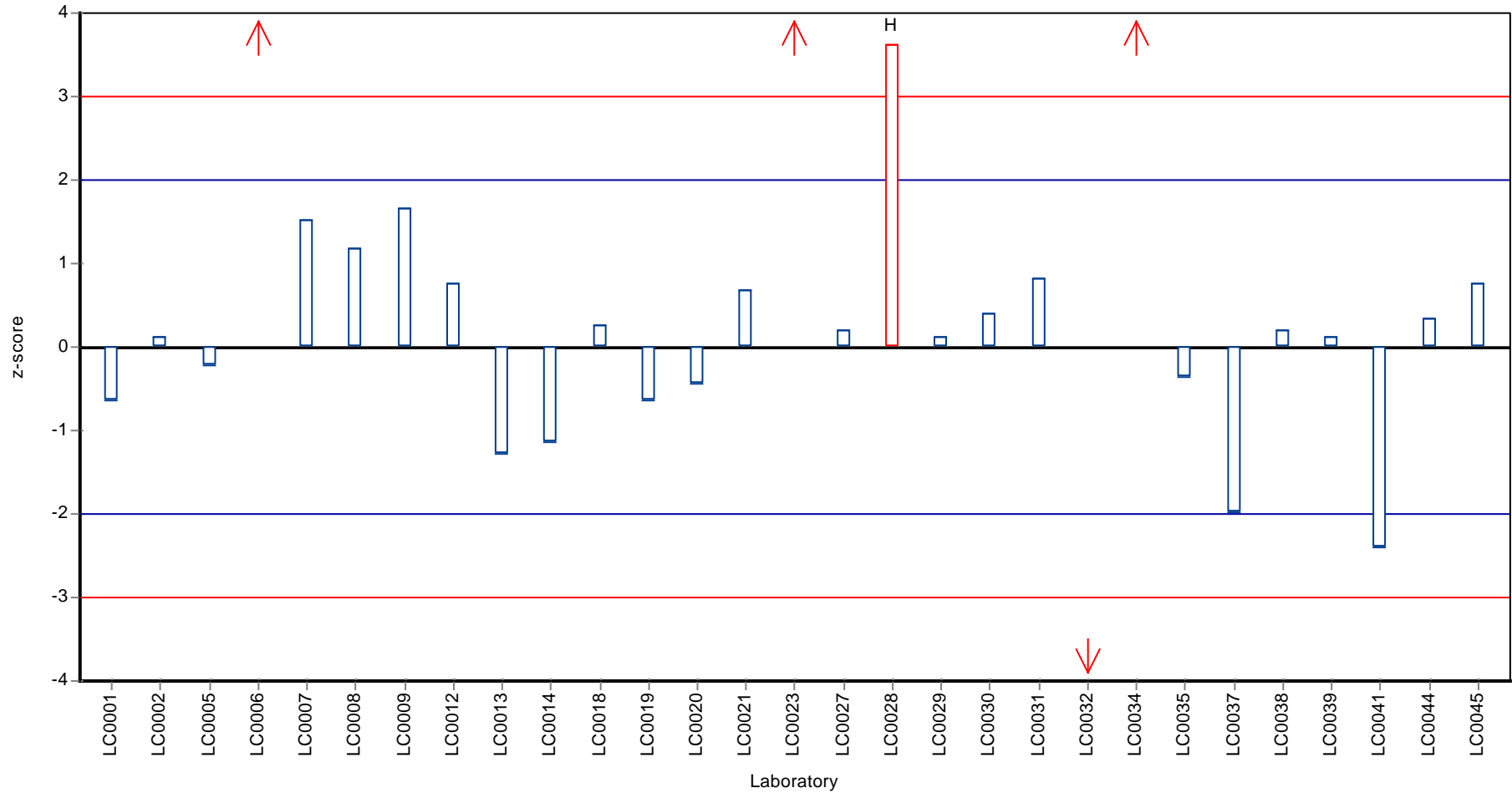




Parameter oriented report Major ions N125

Sample: N125A, Parameter: Total-P (as PO<sub>4</sub>)

Z-score



## Parameter oriented report

### N125 B

#### Total-P (as PO4)

Unit	mg/l
Mean ± CI (99%)	0.117 ± 0.00634
Minimum - Maximum	0.0944 - 0.14
Check value ± U	-

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.1163	0.0034	99.7	0.0	
LC0002	0.117	0.015	100.3	0.0	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	0.117	-	100.3	0.0	
LC0006	0.135	-	115.7	1.7	
LC0007	0.128	-	109.7	1.0	
LC0008	0.113	0.017	96.8	-0.3	
LC0009	0.123	0.0185	105.4	0.6	
LC0010	-	-	-	-	
LC0011	-	-	-	-	
LC0012	0.124	0.012	106.3	0.7	
LC0013	< 0.15 (LOQ)	-	-	-	
LC0014	0.0944	0.009	80.9	-2.1	
LC0015	-	-	-	-	
LC0016	-	-	-	-	
LC0017	-	-	-	-	
LC0018	0.109	-	93.4	-0.7	
LC0019	0.105	0.004	90.0	-1.1	
LC0020	0.117	0.014	100.3	0.0	
LC0021	0.099	0.010	84.8	-1.6	
LC0022	< 0.31 (LOQ)	-	-	-	
LC0023	0.117	0.006	100.3	0.0	
LC0024	-	-	-	-	
LC0025	-	-	-	-	
LC0026	-	-	-	-	
LC0027	0.121	0.001	103.7	0.4	
LC0028	0.120	0.0006	102.8	0.3	
LC0029	0.107	0.021	91.7	-0.9	
LC0030	0.121	0.020	103.7	0.4	
LC0031	0.140	0.004	120.0	2.2	
LC0032	0.107	0.0043	91.7	-0.9	
LC0033	-	-	-	-	
LC0034	0.184	0.258	157.7	6.2	H
LC0035	0.113	0.002	96.8	-0.3	
LC0036	< 0.3 (LOQ)	-	-	-	
LC0037	0.100	0.001	85.7	-1.5	
LC0038	0.118	0.012	101.1	0.1	
LC0039	0.120	0.024	102.8	0.3	
LC0040	-	-	-	-	
LC0041	0.074	0.013	63.4	-4.0	H

Parameter oriented report Major ions N125

Sample: N125B, Parameter: Total-P (as PO4)

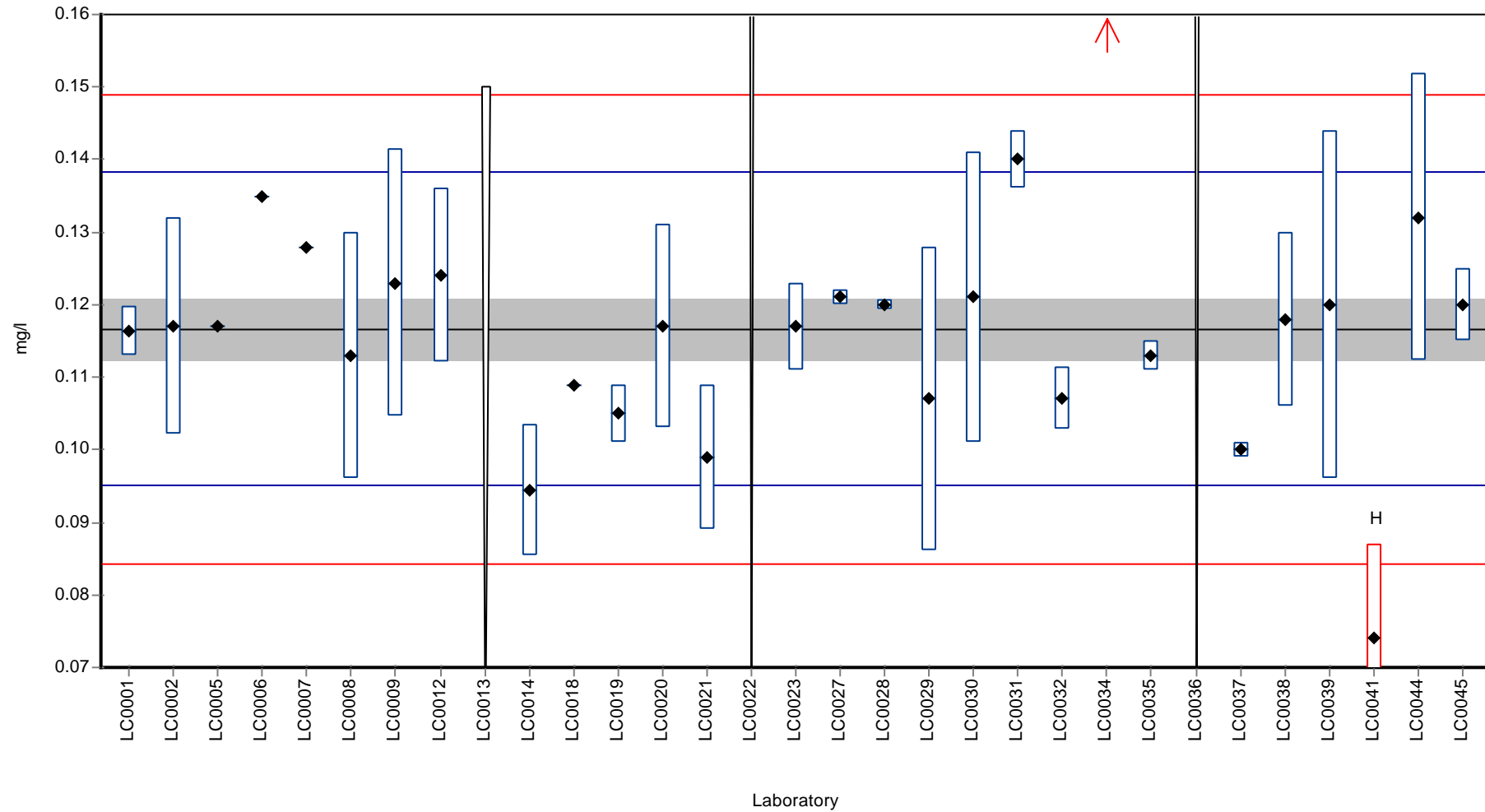
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	-	-	-	-	
LC0043	-	-	-	-	
LC0044	0.132	0.0198	113.1	1.4	
LC0045	0.120	0.005	102.8	0.3	

#### Characteristics of parameter

	all results	without outliers	Unit
Mean ± CI (99%)	0.118 ± 0.0105	0.117 ± 0.00634	mg/l
Minimum	0.074	0.0944	mg/l
Maximum	0.184	0.14	mg/l
Standard deviation	0.0185	0.0108	mg/l
rel. Standard deviation	15.7	9.24	%
n	28	26	-

Graphical presentation of results

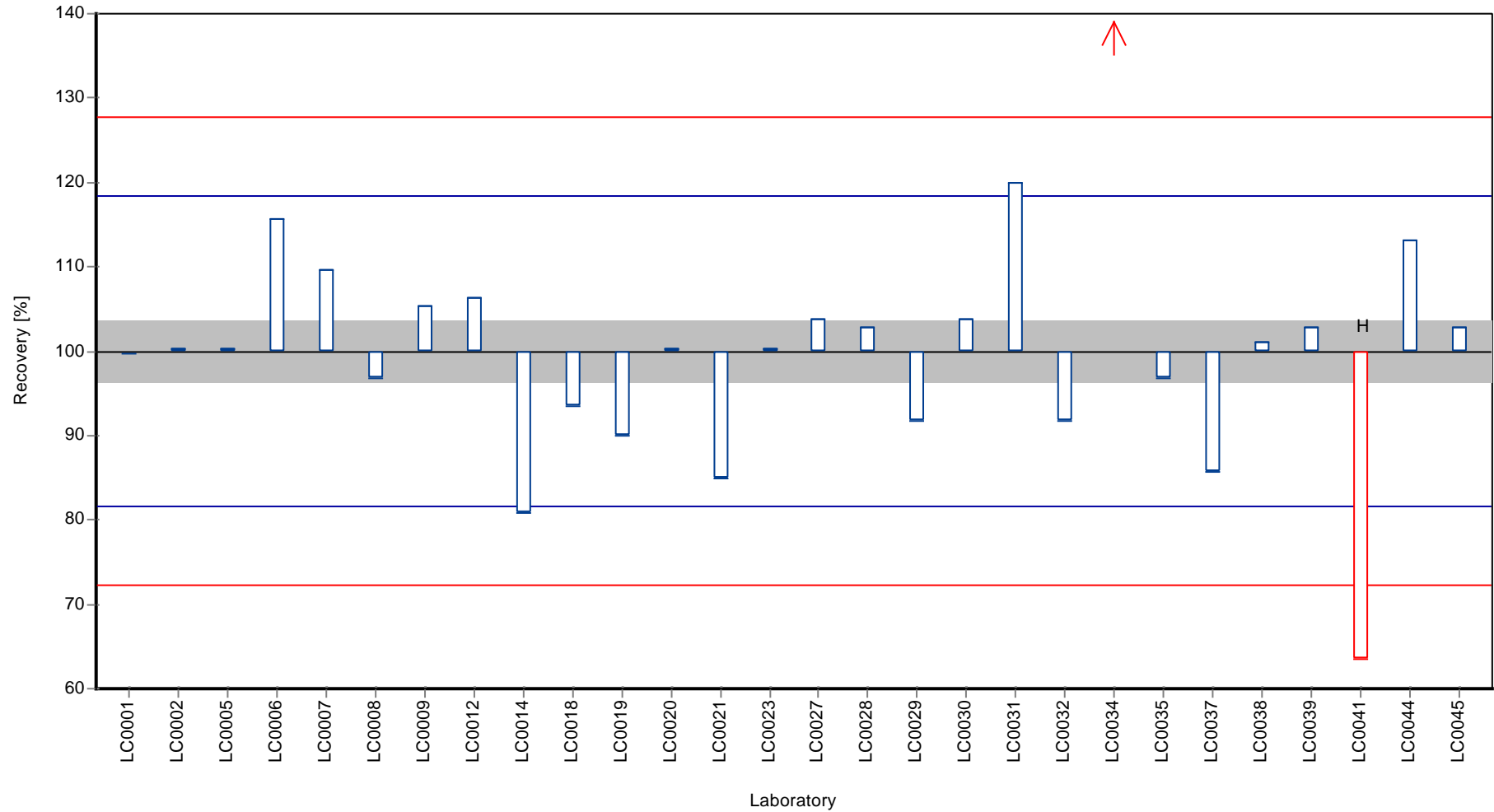
Results



Parameter oriented report Major ions N125

Sample: N125B, Parameter: Total-P (as PO<sub>4</sub>)

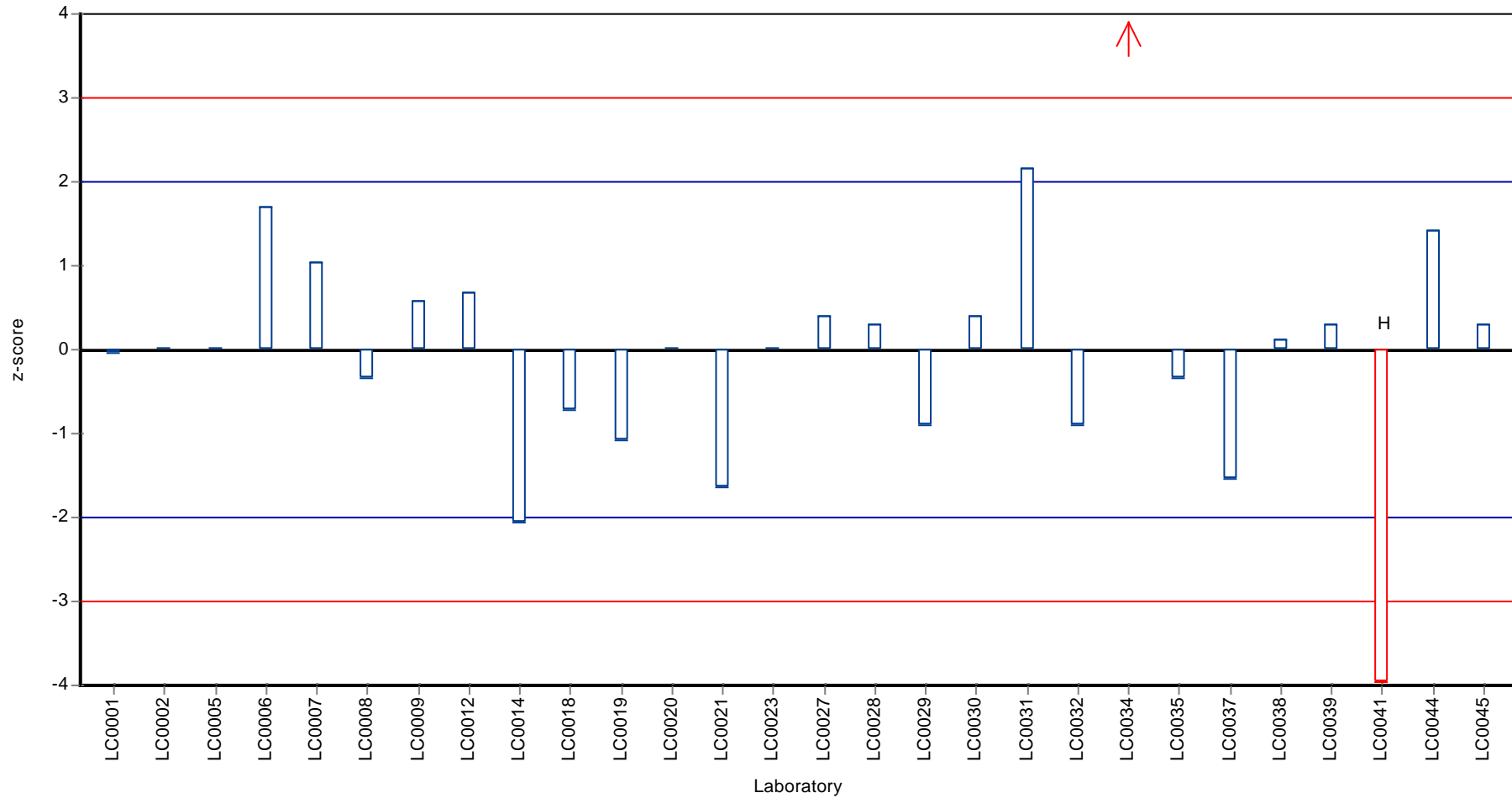
Recovery rate



Parameter oriented report Major ions N125

Sample: N125B, Parameter: Total-P (as PO4)

Z-score



## Parameter oriented report

### N125 A

#### Total hardness

Unit	°d
Mean ± CI (99%)	17.2 ± 0.279
Minimum - Maximum	16.2 - 18.57
Check value ± U	17.1 ± 0.1

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	17.500	0.229	101.6	0.5	
LC0002	17.400	1.700	101.0	0.3	
LC0003	16.600	1.500	96.4	-1.2	
LC0004	-	-	-	-	
LC0005	-	-	-	-	
LC0006	16.600	-	96.4	-1.2	
LC0007	14.000	-	81.3	-6.1	H
LC0008	-	-	-	-	
LC0009	17.700	2.655	102.8	0.9	
LC0010	16.200	-	94.1	-1.9	
LC0011	-	-	-	-	
LC0012	14.390	-	83.6	-5.4	H
LC0013	17.000	3.060	98.7	-0.4	
LC0014	18.000	2.000	104.5	1.5	
LC0015	-	-	-	-	
LC0016	16.900	0.840	98.1	-0.6	
LC0017	16.600	1.400	96.4	-1.2	
LC0018	17.000	-	98.7	-0.4	
LC0019	-	-	-	-	
LC0020	17.000	0.600	98.7	-0.4	
LC0021	17.200	3.400	99.9	0.0	
LC0022	17.800	-	103.4	1.1	
LC0023	18.200	0.900	105.7	1.9	
LC0024	17.380	-	100.9	0.3	
LC0025	17.100	1.900	99.3	-0.2	
LC0026	17.200	0.200	99.9	0.0	
LC0027	-	-	-	-	
LC0028	-	-	-	-	
LC0029	17.500	1.800	101.6	0.5	
LC0030	17.000	0.900	98.7	-0.4	
LC0031	17.500	-	101.6	0.5	
LC0032	17.200	1.376	99.9	0.0	
LC0033	16.300	1.600	94.7	-1.8	
LC0034	17.200	0.860	99.9	0.0	
LC0035	17.300	0.060	100.5	0.2	
LC0036	16.500	-	95.8	-1.4	
LC0037	14.060	-	81.6	-6.0	H
LC0038	16.900	1.900	98.1	-0.6	
LC0039	17.600	1.760	102.2	0.7	
LC0040	18.570	-	107.8	2.6	
LC0041	-	-	-	-	

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	17.400	-	101.0	0.3	
LC0043	-	-	-	-	
LC0044	17.600	-	102.2	0.7	
LC0045	17.100	0.300	99.3	-0.2	

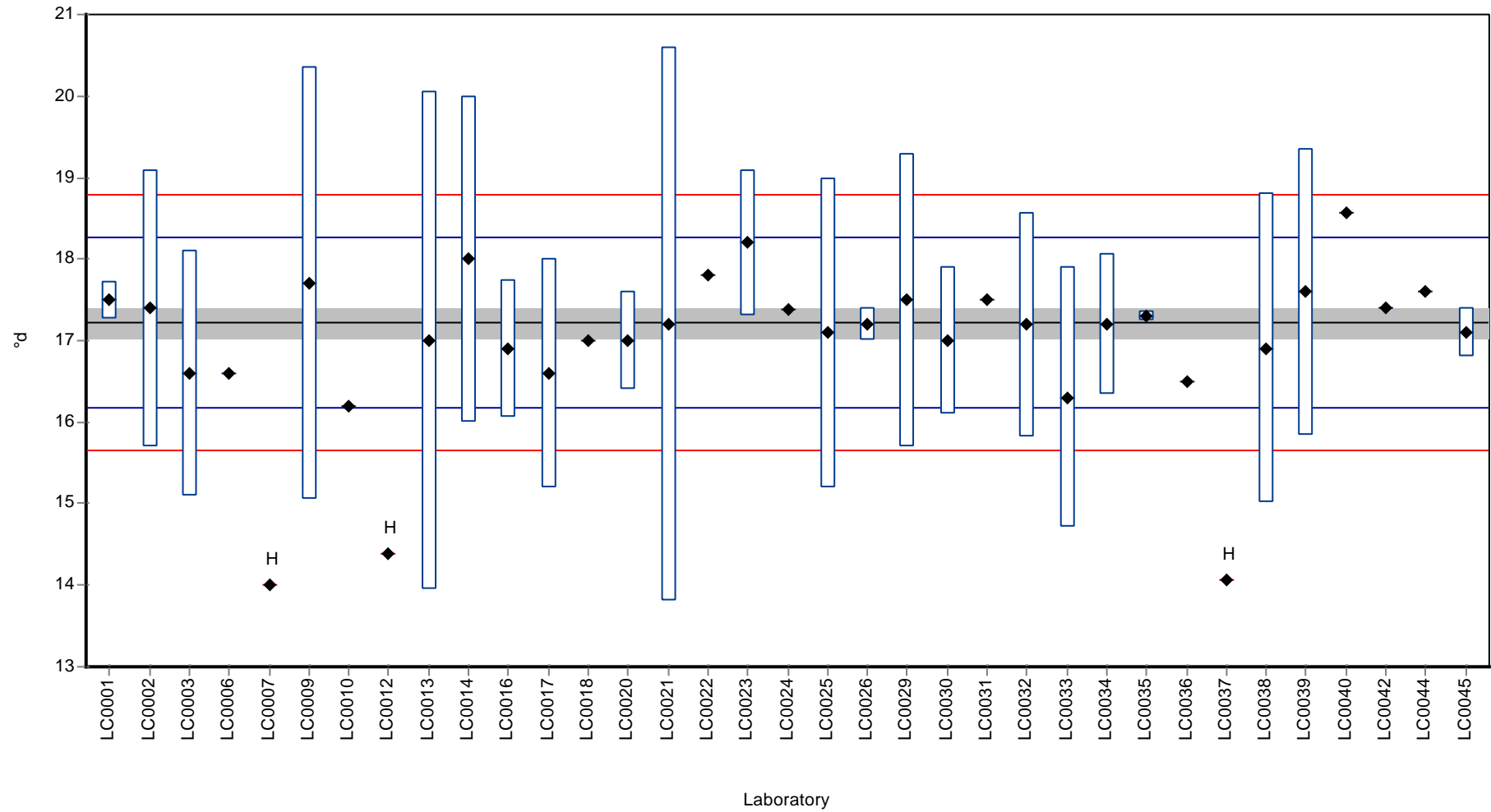
#### Characteristics of parameter

	all results	without outliers	Unit
Mean ± CI (99%)	17 ± 0.511	17.2 ± 0.279	°d
Minimum	14	16.2	°d
Maximum	18.6	18.6	°d
Standard deviation	1.01	0.526	°d
rel. Standard deviation	5.94	3.05	%
n	35	32	-



Graphical presentation of results

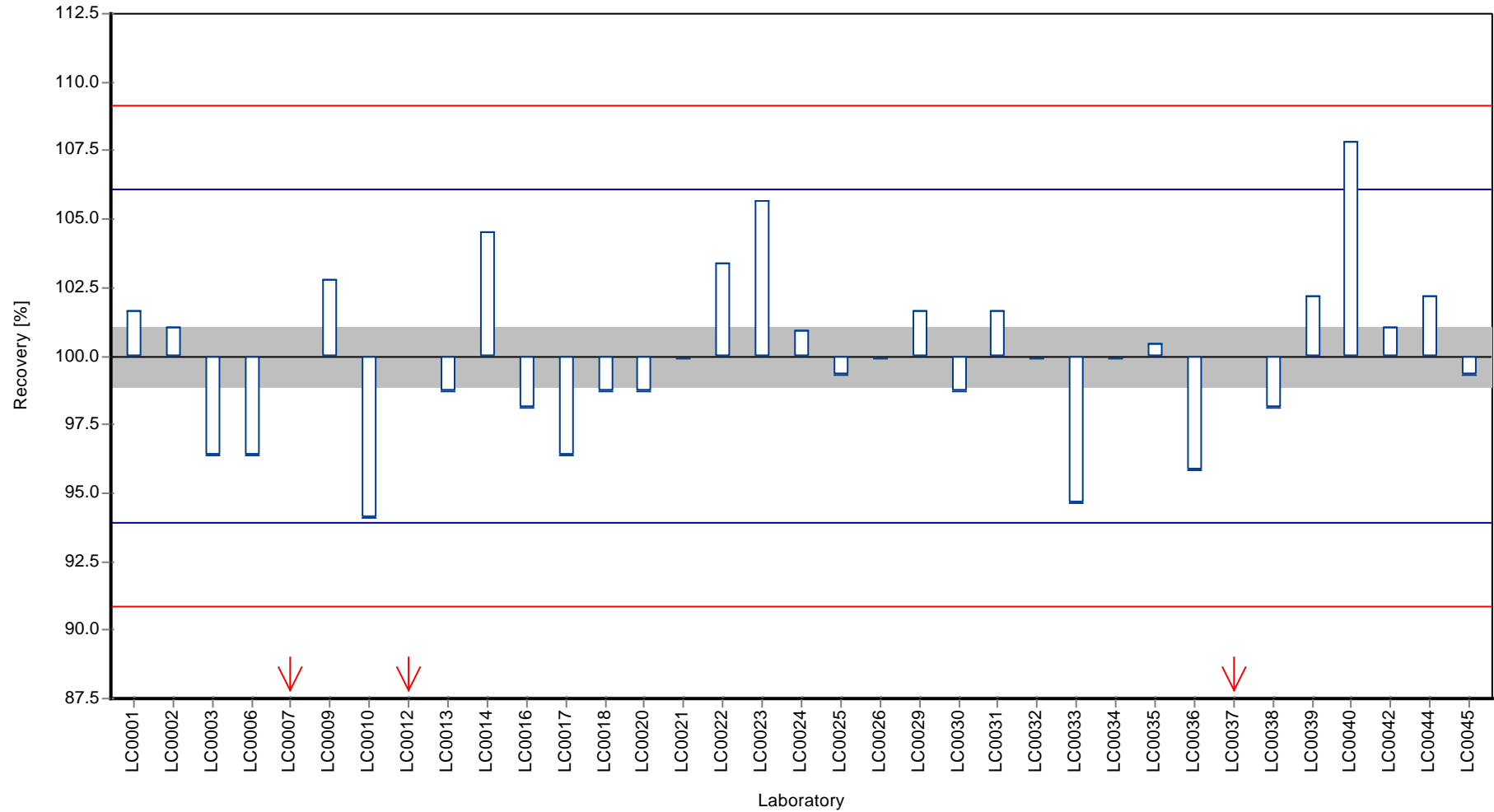
Results



Parameter oriented report Major ions N125

Sample: N125A, Parameter: Total hardness

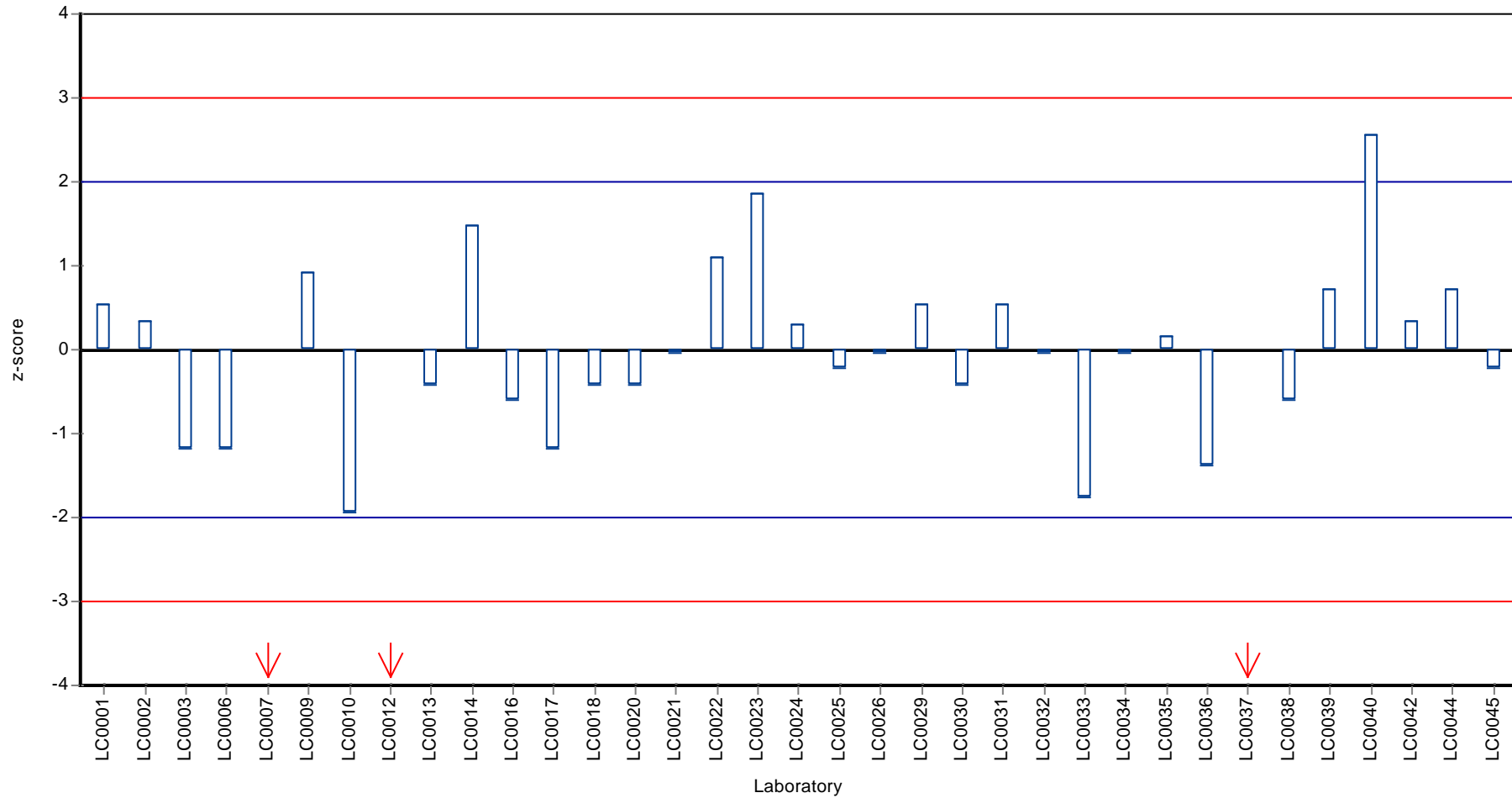
Recovery rate



Parameter oriented report Major ions N125

Sample: N125A, Parameter: Total hardness

Z-score



## Parameter oriented report

### N125 B

#### Total hardness

Unit	°d
Mean ± CI (99%)	12.9 ± 0.189
Minimum - Maximum	12.3 - 13.7
Check value ± U	12.9 ± 0.2

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	13.000	0.231	100.5	0.2	
LC0002	13.100	1.300	101.3	0.5	
LC0003	12.400	1.200	95.9	-1.5	
LC0004	-	-	-	-	
LC0005	-	-	-	-	
LC0006	12.700	-	98.2	-0.7	
LC0007	10.000	-	77.3	-8.5	H
LC0008	-	-	-	-	
LC0009	12.600	1.890	97.4	-1.0	
LC0010	12.600	-	97.4	-1.0	
LC0011	-	-	-	-	
LC0012	10.720	-	82.9	-6.4	H
LC0013	12.800	2.300	99.0	-0.4	
LC0014	13.700	1.500	106.0	2.2	
LC0015	-	-	-	-	
LC0016	12.400	0.830	95.9	-1.5	
LC0017	13.700	1.200	106.0	2.2	
LC0018	12.700	-	98.2	-0.7	
LC0019	-	-	-	-	
LC0020	12.600	0.500	97.4	-1.0	
LC0021	12.900	2.600	99.8	-0.1	
LC0022	13.200	-	102.1	0.8	
LC0023	13.600	0.700	105.2	1.9	
LC0024	13.210	-	102.2	0.8	
LC0025	12.800	1.500	99.0	-0.4	
LC0026	13.100	0.200	101.3	0.5	
LC0027	-	-	-	-	
LC0028	-	-	-	-	
LC0029	13.100	1.300	101.3	0.5	
LC0030	13.000	0.700	100.5	0.2	
LC0031	12.800	-	99.0	-0.4	
LC0032	13.200	1.056	102.1	0.8	
LC0033	11.900	1.200	92.0	-3.0	H
LC0034	13.000	0.650	100.5	0.2	
LC0035	12.800	0.120	99.0	-0.4	
LC0036	12.300	-	95.1	-1.8	
LC0037	10.560	-	81.7	-6.9	H
LC0038	12.900	1.500	99.8	-0.1	
LC0039	13.000	1.550	100.5	0.2	
LC0040	13.820	-	106.9	2.6	H
LC0041	-	-	-	-	

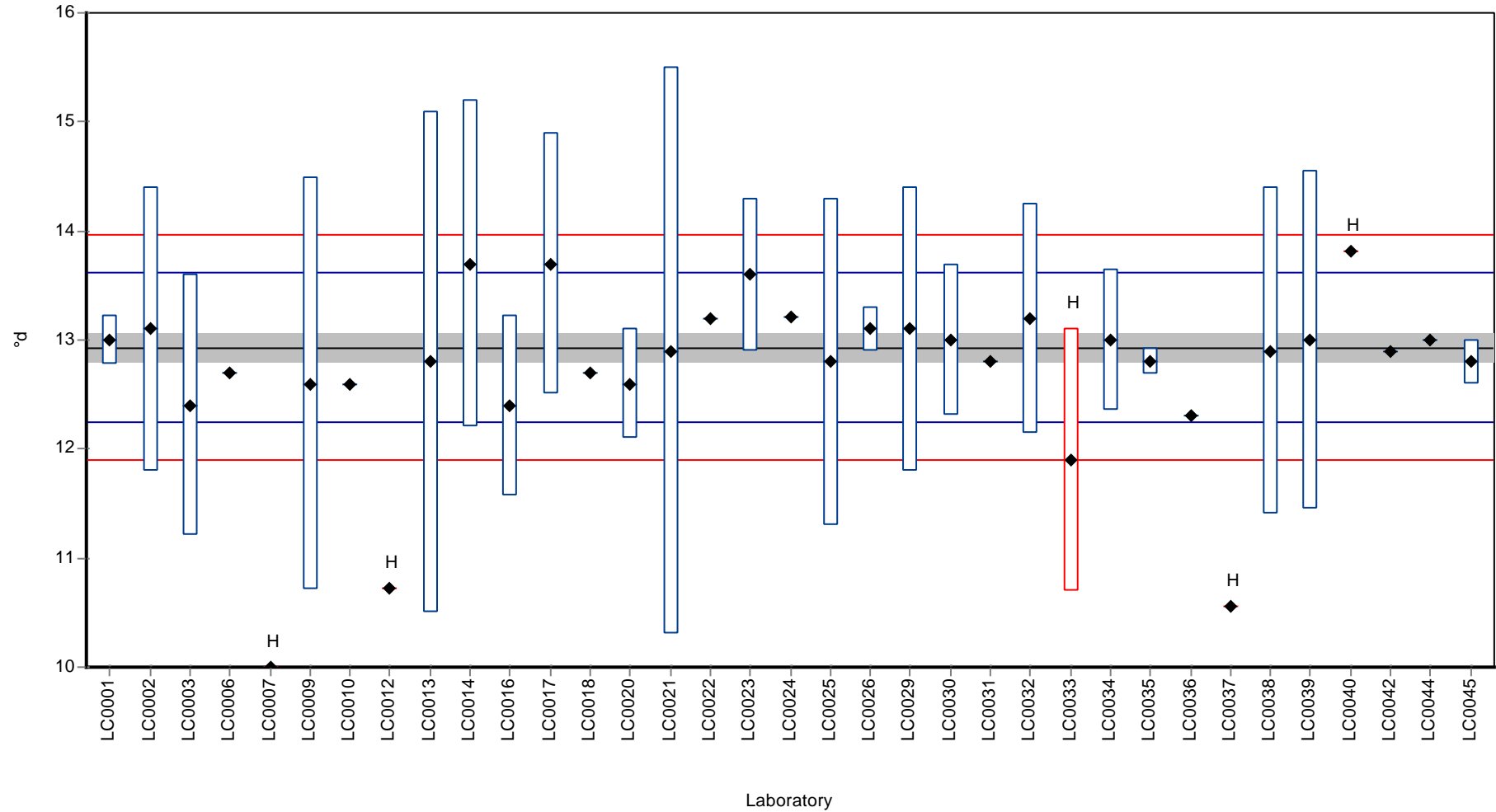
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	12.900	-	99.8	-0.1	
LC0043	-	-	-	-	
LC0044	13.000	-	100.5	0.2	
LC0045	12.800	0.200	99.0	-0.4	

#### Characteristics of parameter

	all results	without outliers	Unit
Mean ± CI (99%)	12.7 ± 0.415	12.9 ± 0.189	°d
Minimum	10	12.3	°d
Maximum	13.8	13.7	°d
Standard deviation	0.818	0.345	°d
rel. Standard deviation	6.43	2.67	%
n	35	30	-

Graphical presentation of results

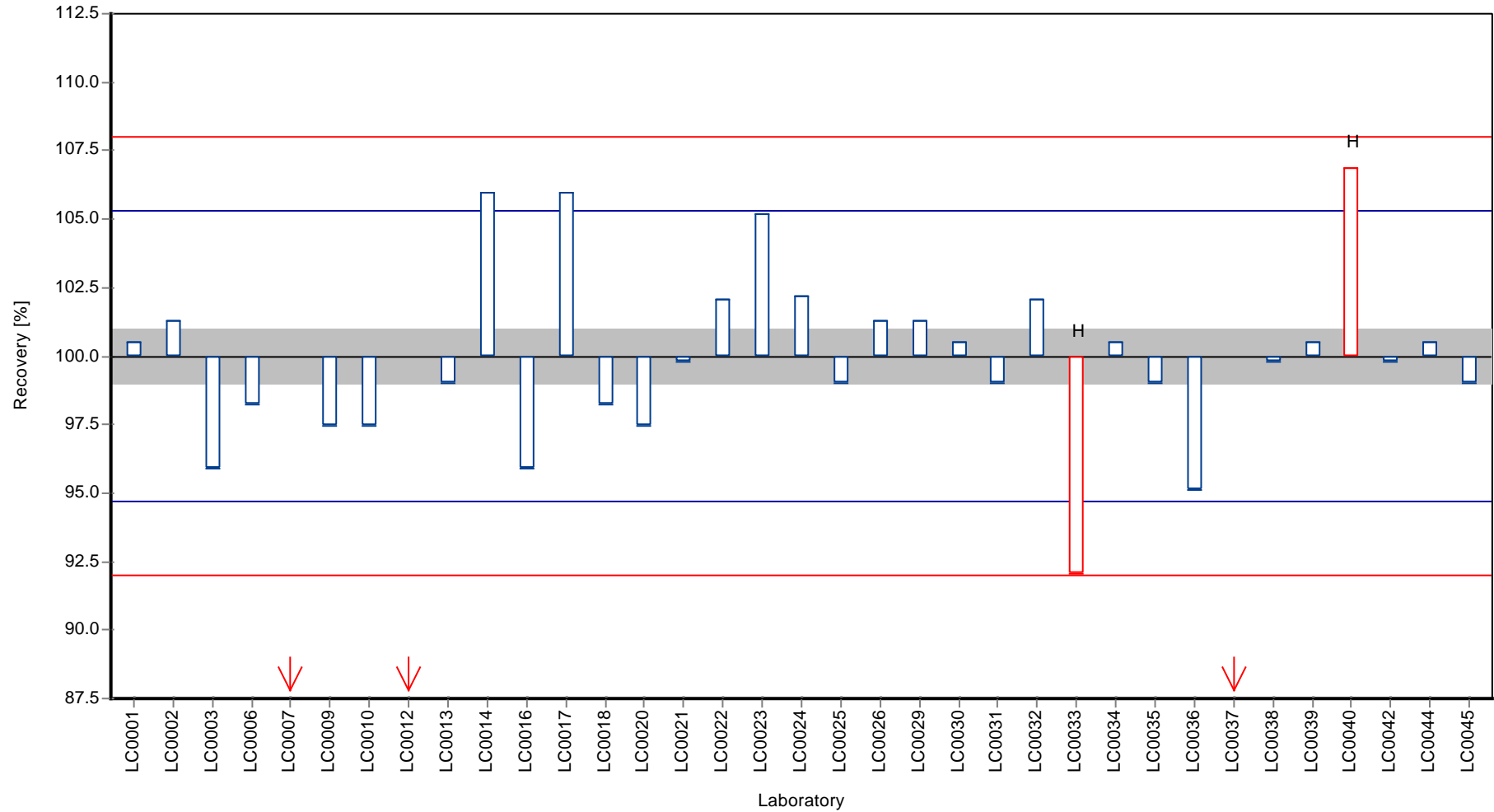
Results



Parameter oriented report Major ions N125

Sample: N125B, Parameter: Total hardness

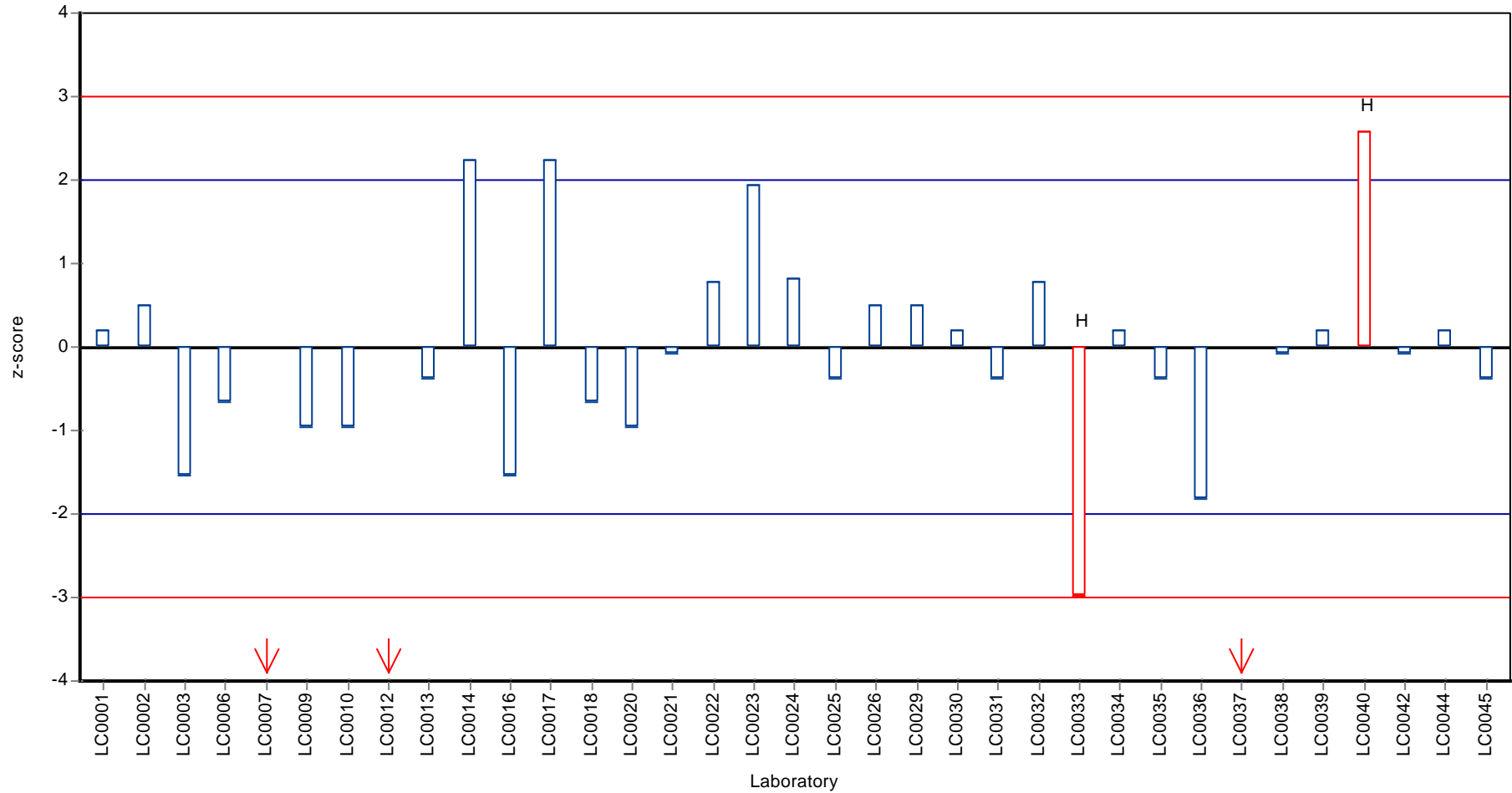
Recovery rate



Parameter oriented report Major ions N125

Sample: N125B, Parameter: Total hardness

Z-score





## Parameter oriented report

### N125 A

#### Hydrogen carbonate

Unit	mg/l
Mean ± CI (99%)	311 ± 2.1
Minimum - Maximum	303 - 318
Check value ± U	311 ± 0.8

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	310.000	0.340	99.7	-0.2	
LC0002	313.500	25.000	100.9	0.7	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	315.000	-	101.3	1.1	
LC0006	327.000	-	105.2	4.3	H
LC0007	304.000	-	97.8	-1.8	
LC0008	-	-	-	-	
LC0009	306.000	30.600	98.4	-1.3	
LC0010	313.000	-	100.7	0.6	
LC0011	-	-	-	-	
LC0012	314.000	-	101.0	0.8	
LC0013	307.000	12.300	98.8	-1.0	
LC0014	313.600	30.000	100.9	0.7	
LC0015	-	-	-	-	
LC0016	-	-	-	-	
LC0017	-	-	-	-	
LC0018	309.970	-	99.7	-0.2	
LC0019	-	-	-	-	
LC0020	307.000	11.000	98.8	-1.0	
LC0021	303.000	18.000	97.5	-2.1	
LC0022	310.000	-	99.7	-0.2	
LC0023	316.000	16.000	101.7	1.4	
LC0024	-	-	-	-	
LC0025	315.000	32.000	101.3	1.1	
LC0026	314.000	5.000	101.0	0.8	
LC0027	286.470	6.770	92.2	-6.5	H
LC0028	-	-	-	-	
LC0029	314.000	16.000	101.0	0.8	
LC0030	311.000	10.000	100.0	0.0	
LC0031	311.800	-	100.3	0.3	
LC0032	311.000	18.660	100.0	0.0	
LC0033	311.000	31.000	100.0	0.0	
LC0034	311.000	31.100	100.0	0.0	
LC0035	318.000	1.500	102.3	1.9	
LC0036	-	-	-	-	
LC0037	306.000	2.500	98.4	-1.3	
LC0038	311.000	10.000	100.0	0.0	
LC0039	312.400	31.200	100.5	0.4	
LC0040	312.400	15.960	100.5	0.4	
LC0041	-	-	-	-	

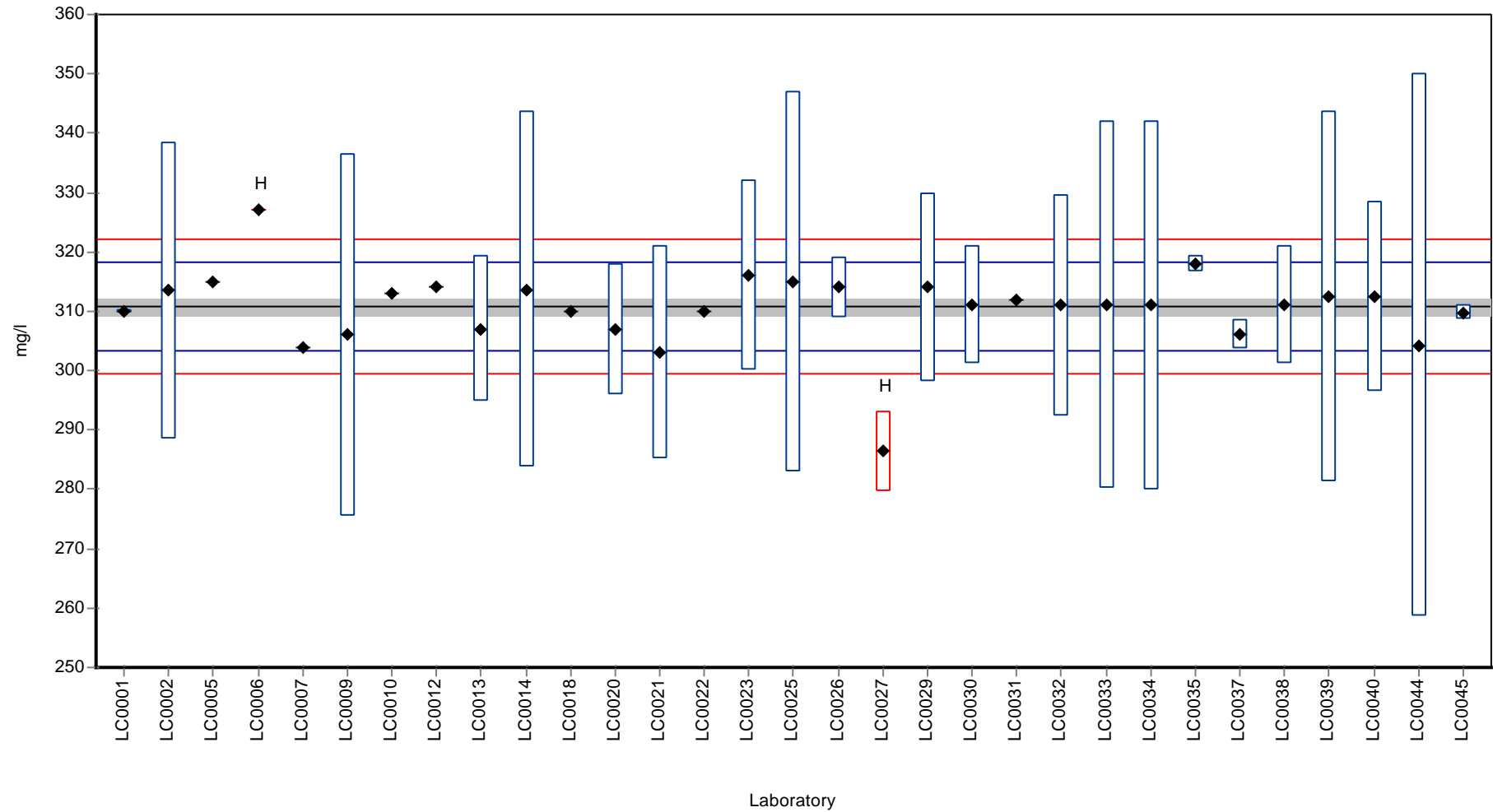
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	-	-	-	-	
LC0043	-	-	-	-	
LC0044	304.300	45.640	97.9	-1.7	
LC0045	309.800	1.300	99.7	-0.3	

#### Characteristics of parameter

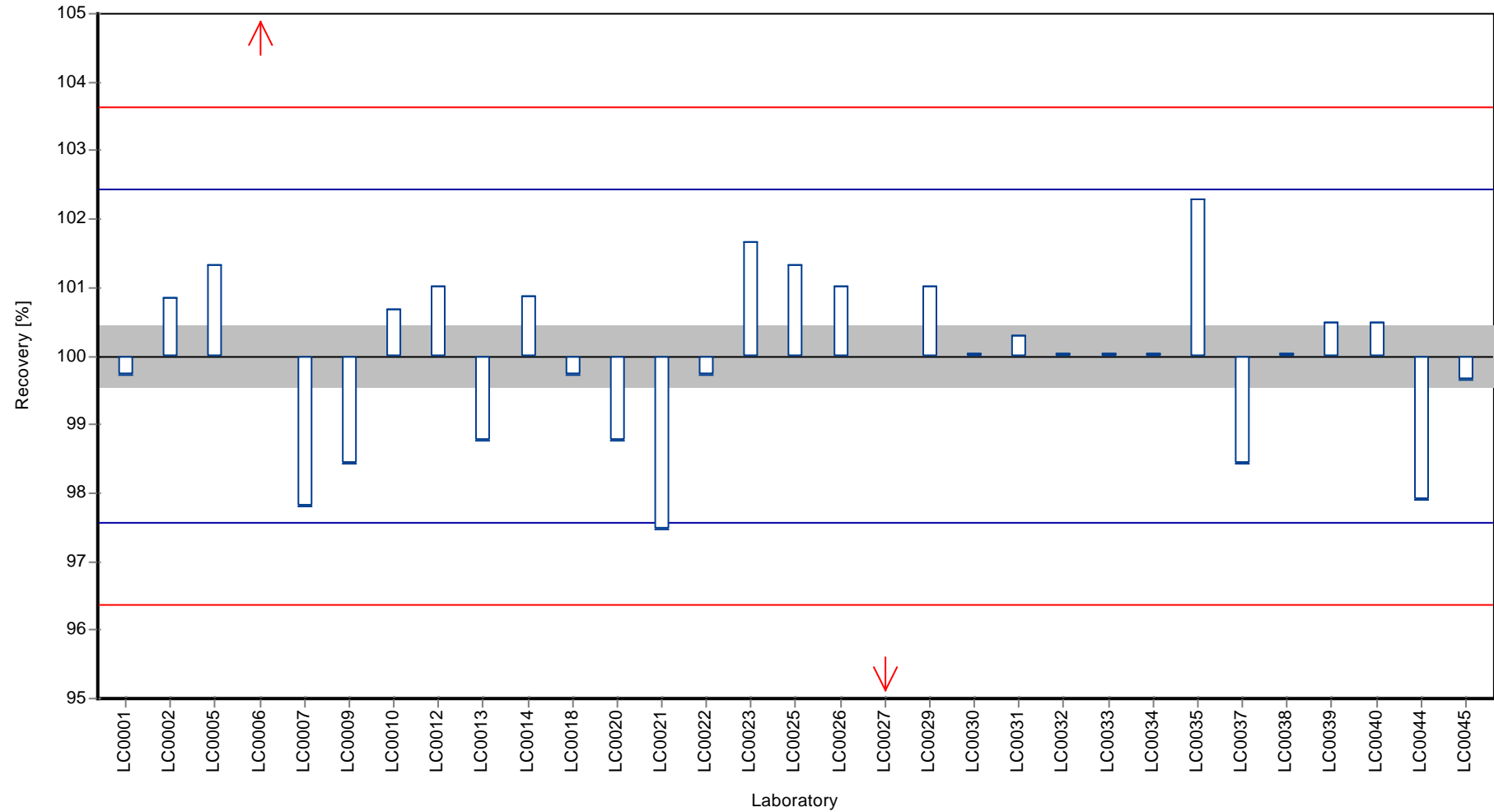
	all results	without outliers	Unit
Mean ± CI (99%)	311 ± 3.48	311 ± 2.1	mg/l
Minimum	286	303	mg/l
Maximum	327	318	mg/l
Standard deviation	6.46	3.77	mg/l
rel. Standard deviation	2.08	1.21	%
n	31	29	-

Graphical presentation of results

Results



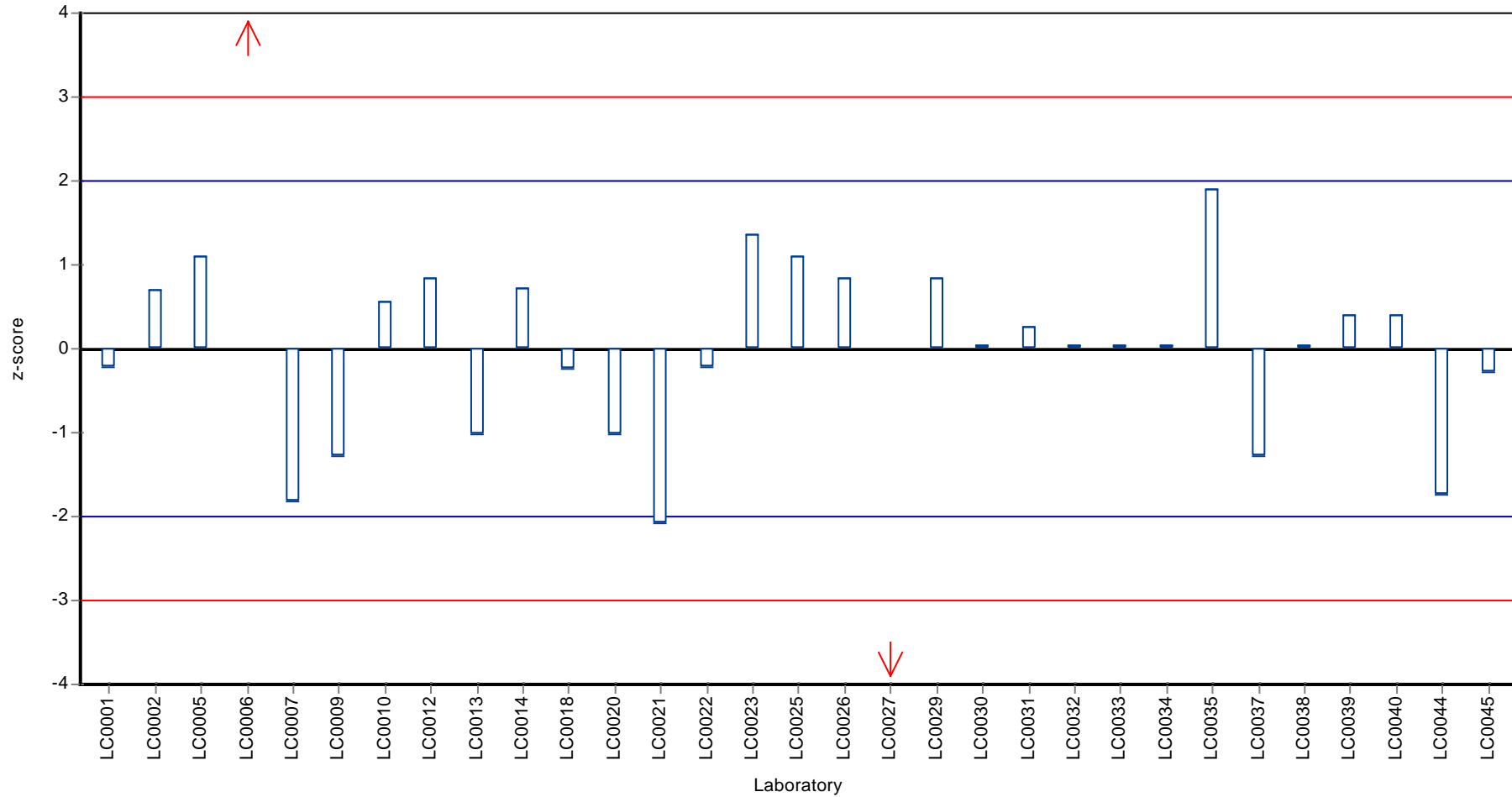
Recovery rate



Parameter oriented report Major ions N125

Sample: N125A, Parameter: Hydrogen carbonate

Z-score



## Parameter oriented report

### N125 B

#### Hydrogen carbonate

Unit	mg/l
Mean ± CI (99%)	232 ± 2.04
Minimum - Maximum	221 - 239
Check value ± U	233 ± 1

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	231.000	0.330	99.7	-0.2	
LC0002	235.200	19.000	101.5	1.0	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	235.000	-	101.4	0.9	
LC0006	249.000	-	107.5	4.7	H
LC0007	226.000	-	97.5	-1.6	
LC0008	-	-	-	-	
LC0009	231.000	23.100	99.7	-0.2	
LC0010	230.000	-	99.3	-0.5	
LC0011	-	-	-	-	
LC0012	234.000	-	101.0	0.6	
LC0013	230.000	9.200	99.3	-0.5	
LC0014	236.700	25.000	102.2	1.4	
LC0015	-	-	-	-	
LC0016	-	-	-	-	
LC0017	-	-	-	-	
LC0018	230.640	-	99.5	-0.3	
LC0019	-	-	-	-	
LC0020	229.000	8.000	98.8	-0.7	
LC0021	225.000	14.000	97.1	-1.8	
LC0022	230.000	-	99.3	-0.5	
LC0023	239.000	12.000	103.2	2.0	
LC0024	-	-	-	-	
LC0025	234.000	23.000	101.0	0.6	
LC0026	235.000	5.000	101.4	0.9	
LC0027	202.450	5.130	87.4	-8.0	H
LC0028	-	-	-	-	
LC0029	235.000	12.000	101.4	0.9	
LC0030	232.000	7.000	100.1	0.1	
LC0031	230.000	-	99.3	-0.5	
LC0032	234.000	14.040	101.0	0.6	
LC0033	231.000	23.000	99.7	-0.2	
LC0034	221.000	22.100	95.4	-2.9	
LC0035	235.000	1.200	101.4	0.9	
LC0036	-	-	-	-	
LC0037	230.000	1.800	99.3	-0.5	
LC0038	231.000	7.000	99.7	-0.2	
LC0039	233.700	23.700	100.9	0.5	
LC0040	232.470	11.880	100.3	0.2	
LC0041	-	-	-	-	

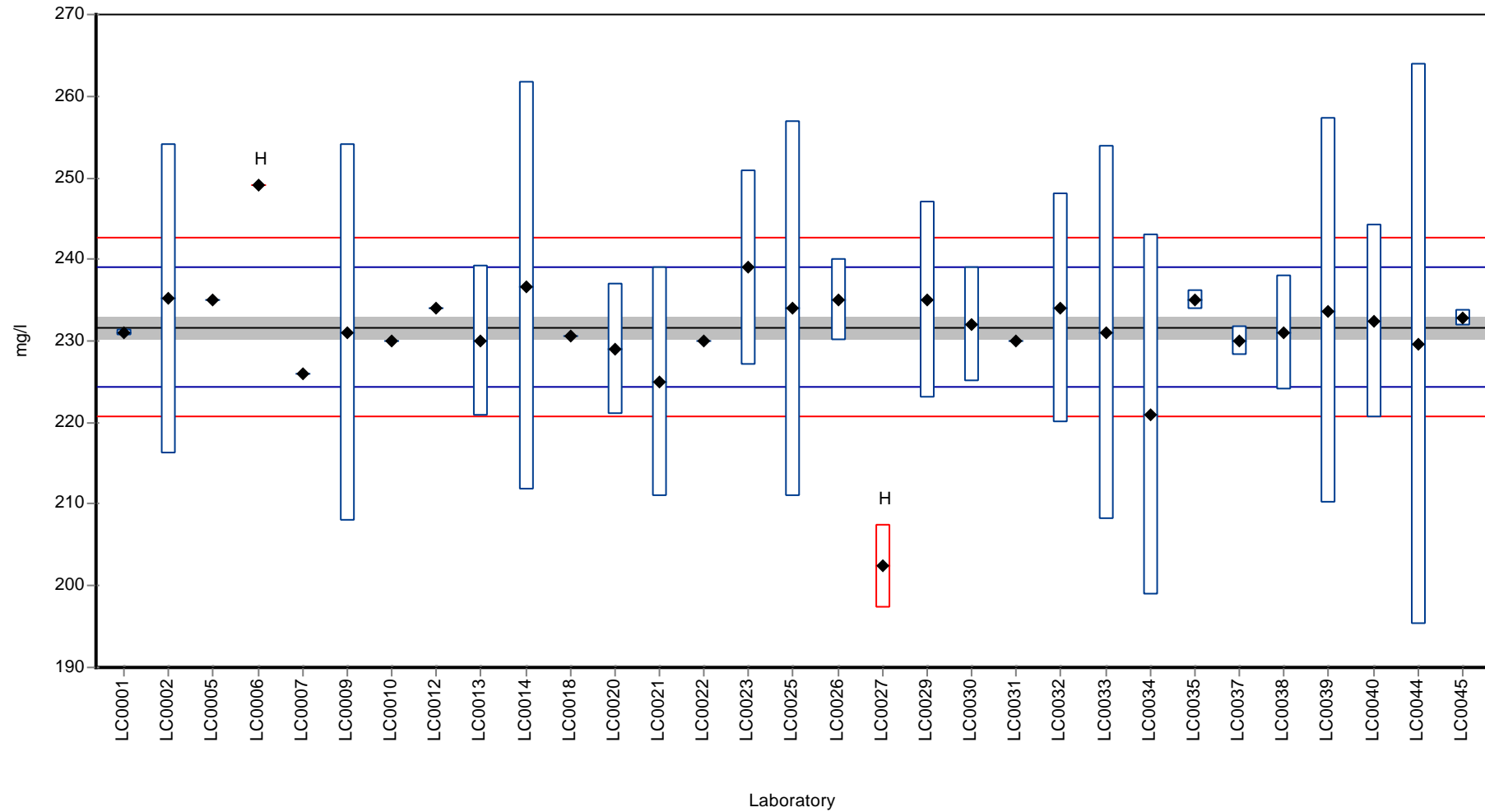
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	-	-	-	-	
LC0043	-	-	-	-	
LC0044	229.600	34.440	99.1	-0.6	
LC0045	232.900	1.000	100.5	0.3	

#### Characteristics of parameter

	all results	without outliers	Unit
Mean ± CI (99%)	231 ± 3.84	232 ± 2.04	mg/l
Minimum	202	221	mg/l
Maximum	249	239	mg/l
Standard deviation	7.13	3.67	mg/l
rel. Standard deviation	3.08	1.58	%
n	31	29	-

Graphical presentation of results

Results

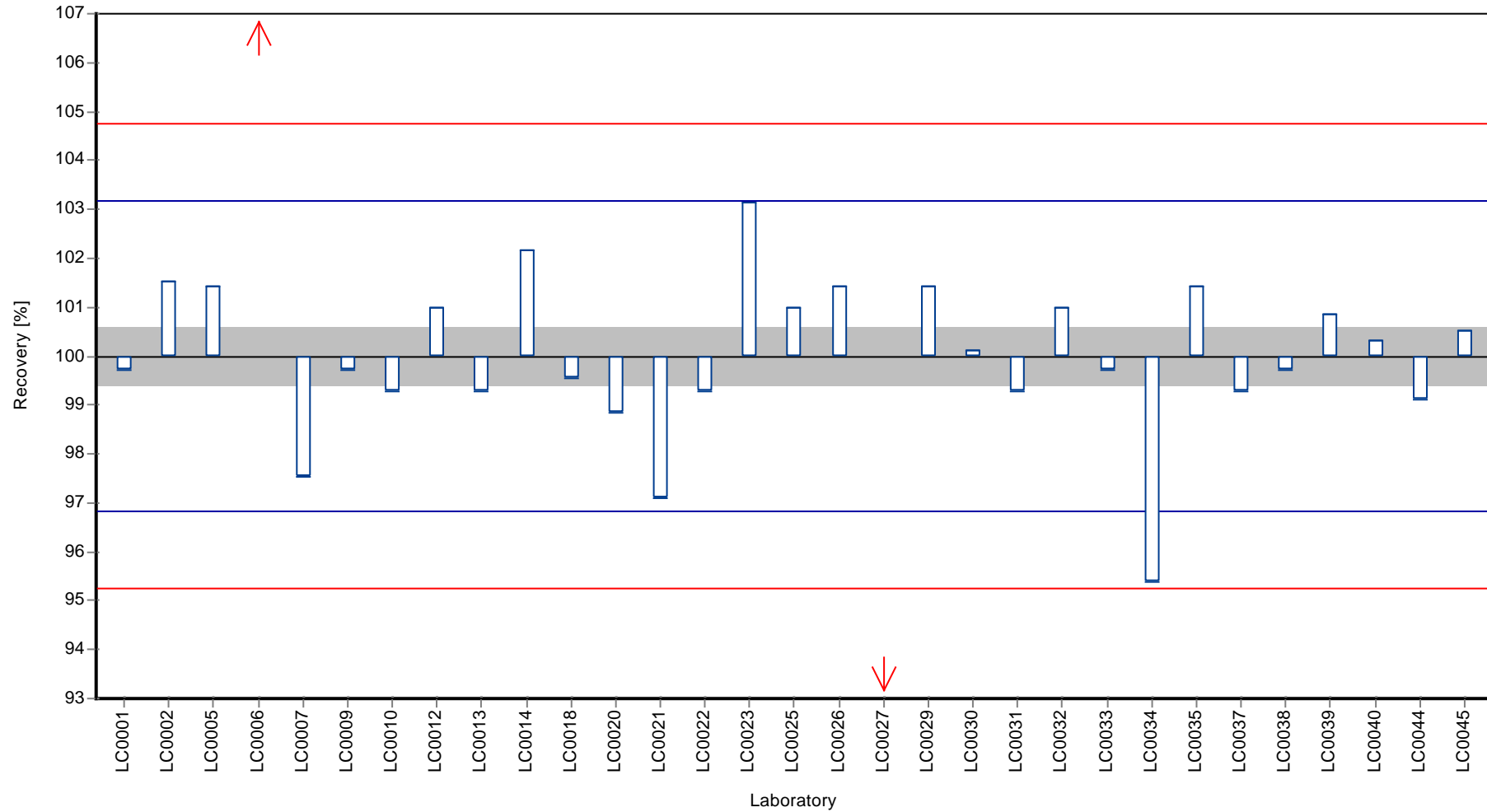




Parameter oriented report Major ions N125

Sample: N125B, Parameter: Hydrogen carbonate

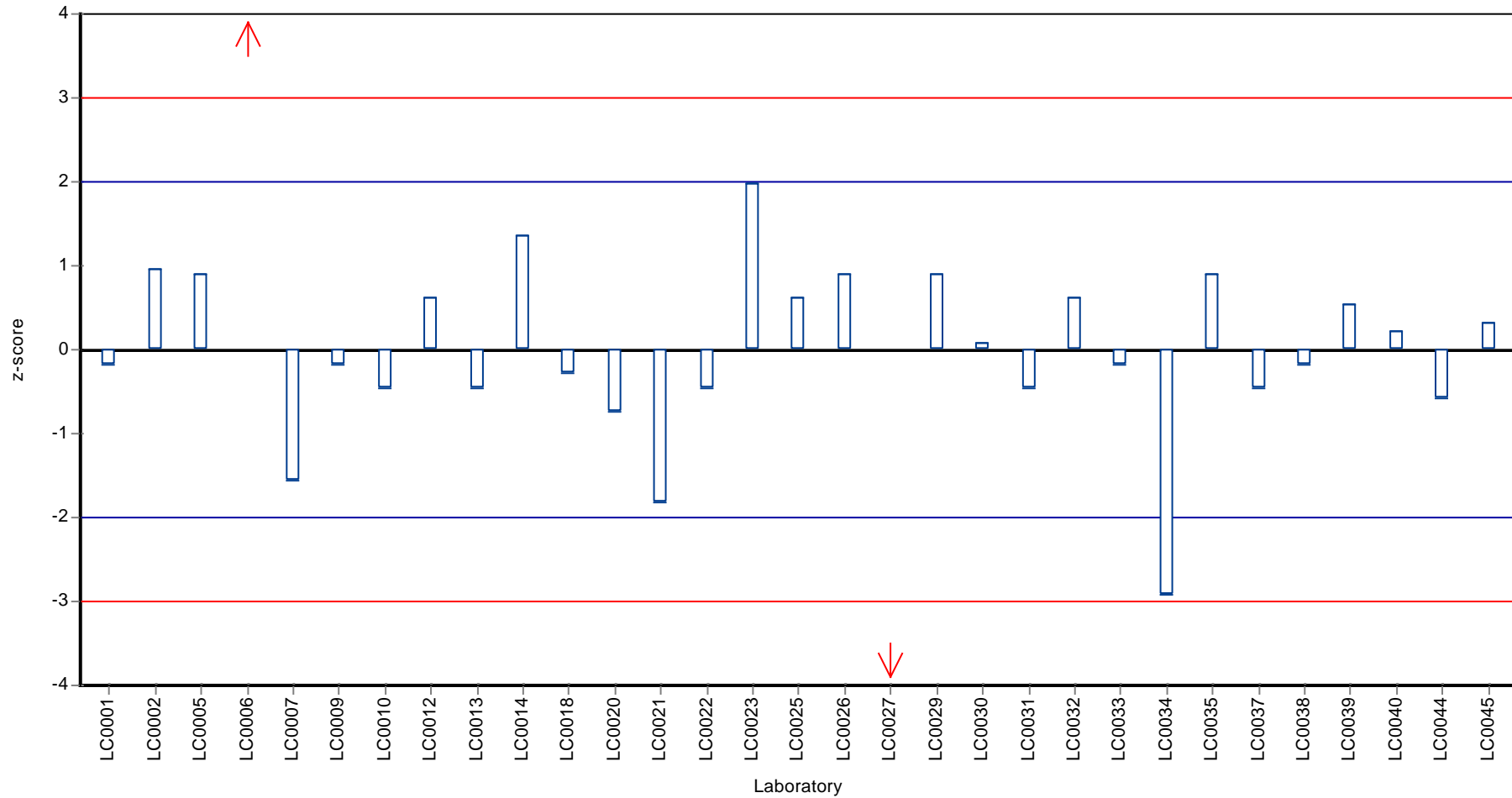
Recovery rate



Parameter oriented report Major ions N125

Sample: N125B, Parameter: Hydrogen carbonate

Z-score



## Parameter oriented report

### N125 A

#### Potassium

Unit	mg/l
Mean ± CI (99%)	3.99 ± 0.0876
Minimum - Maximum	3.7 - 4.39
Check value ± U	3.90 ± 0.4

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	4.270	0.131	107.1	1.6	
LC0002	4.000	0.300	100.3	0.1	
LC0003	4.100	0.400	102.8	0.6	
LC0004	-	-	-	-	
LC0005	-	-	-	-	
LC0006	3.800	-	95.3	-1.1	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	3.860	0.579	96.8	-0.7	
LC0010	3.830	-	96.0	-0.9	
LC0011	-	-	-	-	
LC0012	4.283	0.500	107.4	1.7	
LC0013	3.700	0.670	92.8	-1.7	
LC0014	4.390	0.500	110.1	2.3	
LC0015	-	-	-	-	
LC0016	-	-	-	-	
LC0017	-	-	-	-	
LC0018	3.900	0.390	97.8	-0.5	
LC0019	-	-	-	-	
LC0020	4.100	0.280	102.8	0.6	
LC0021	3.700	0.300	92.8	-1.7	
LC0022	4.000	-	100.3	0.1	
LC0023	3.900	0.200	97.8	-0.5	
LC0024	4.0263	0.2321	100.9	0.2	
LC0025	4.000	0.400	100.3	0.1	
LC0026	4.060	1.000	101.8	0.4	
LC0027	3.840	0.220	96.3	-0.9	
LC0028	3.810	0.060	95.5	-1.0	
LC0029	4.030	0.400	101.0	0.2	
LC0030	4.030	0.700	101.0	0.2	
LC0031	4.130	1.000	103.5	0.8	
LC0032	3.920	0.7448	98.3	-0.4	
LC0033	3.960	0.400	99.3	-0.2	
LC0034	3.980	0.199	99.8	0.0	
LC0035	4.010	0.010	100.5	0.1	
LC0036	4.260	-	106.8	1.6	
LC0037	4.000	0.010	100.3	0.1	
LC0038	3.800	0.270	95.3	-1.1	
LC0039	4.070	0.410	102.0	0.5	
LC0040	4.230	0.233	106.1	1.4	
LC0041	3.960	0.330	99.3	-0.2	

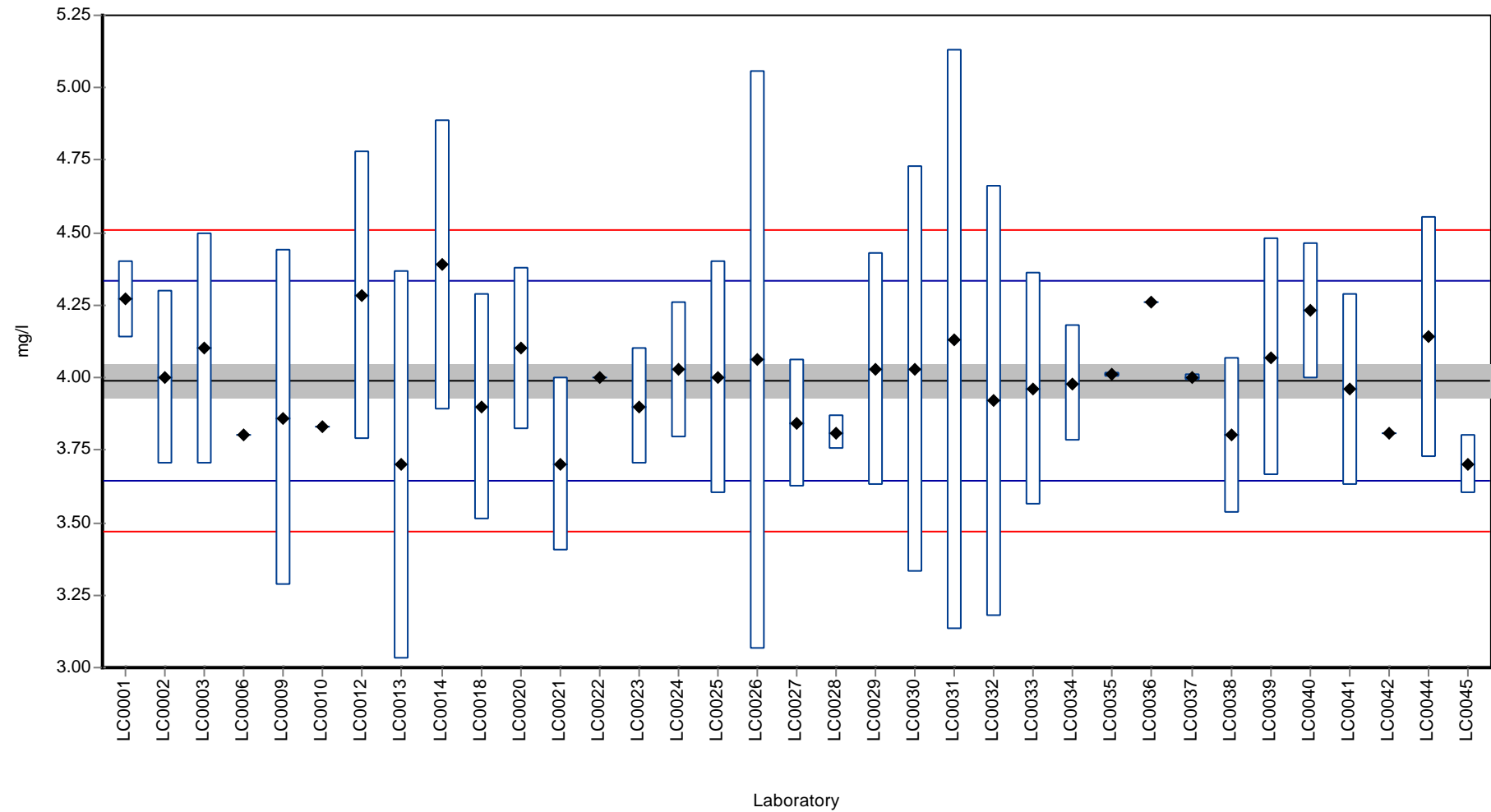
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	3.810	-	95.5	-1.0	
LC0043	-	-	-	-	
LC0044	4.140	0.414	103.8	0.9	
LC0045	3.700	0.100	92.8	-1.7	

#### Characteristics of parameter

	all results	without outliers	Unit
Mean ± CI (99%)	3.99 ± 0.0876	3.99 ± 0.0876	mg/l
Minimum	3.7	3.7	mg/l
Maximum	4.39	4.39	mg/l
Standard deviation	0.173	0.173	mg/l
rel. Standard deviation	4.33	4.33	%
n	35	35	-

Graphical presentation of results

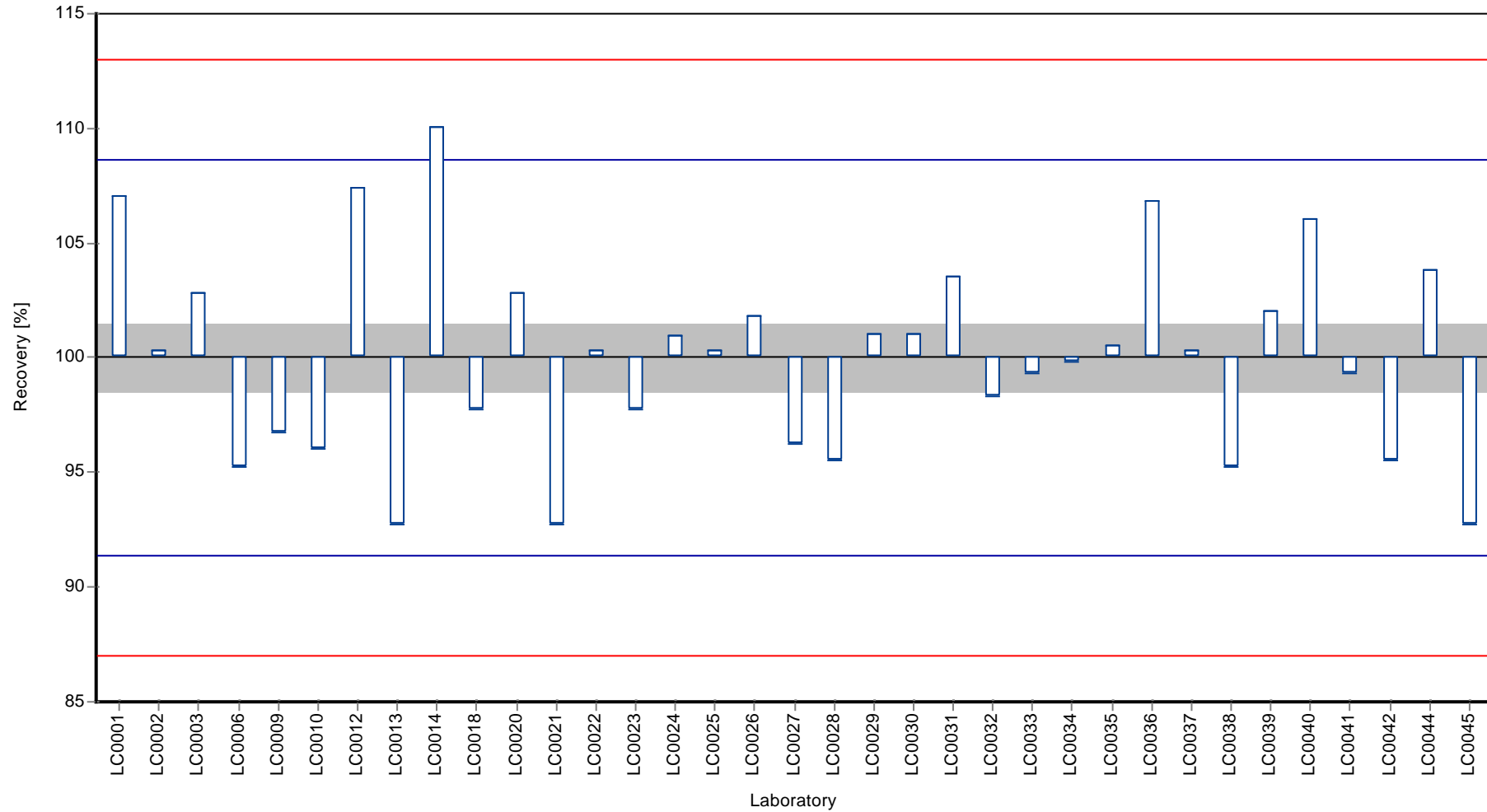
Results



Parameter oriented report Major ions N125

Sample: N125A, Parameter: Potassium

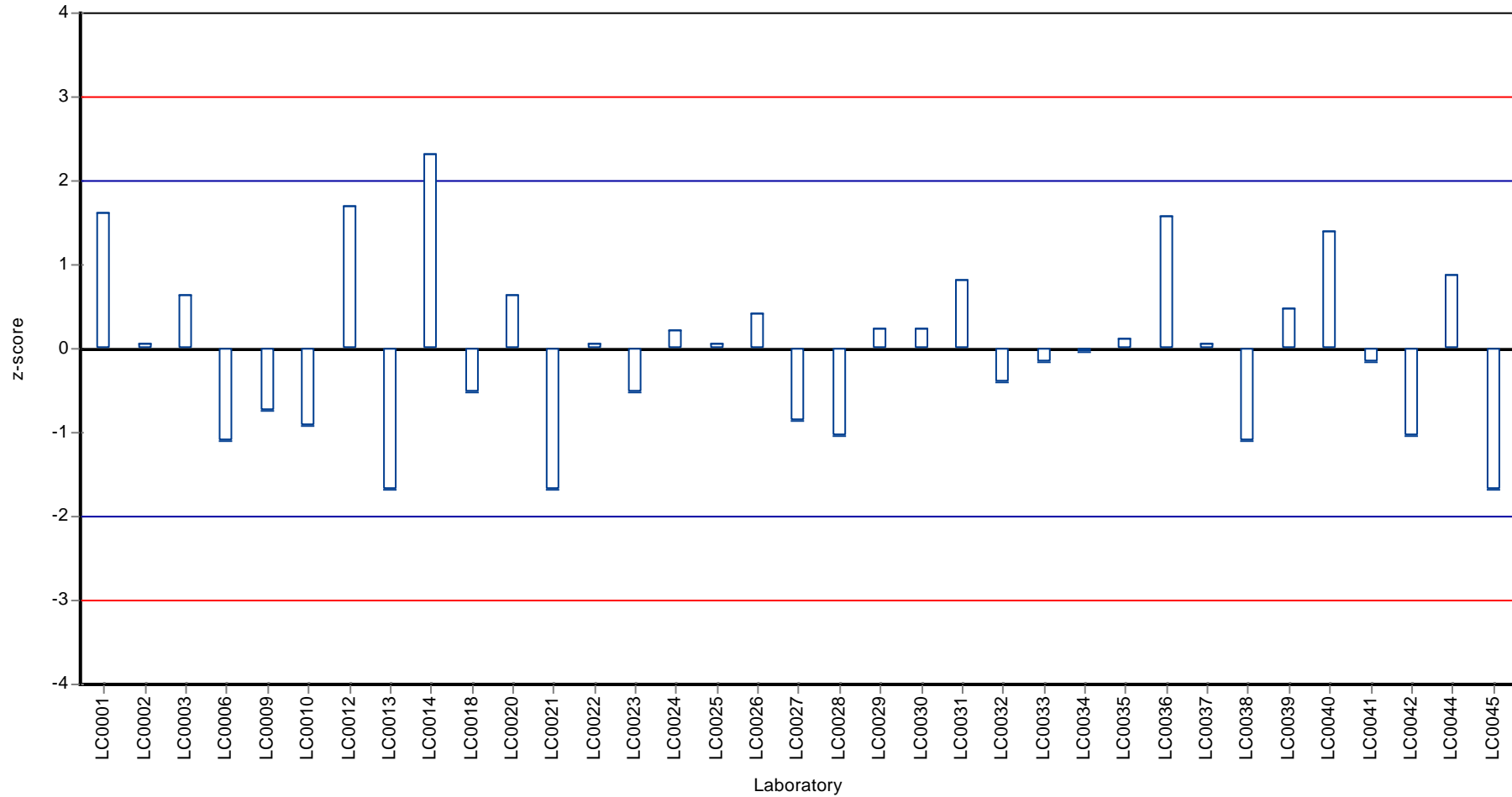
Recovery rate



Parameter oriented report Major ions N125

Sample: N125A, Parameter: Potassium

Z-score



## Parameter oriented report

### N125 B

#### Potassium

Unit	mg/l
Mean ± CI (99%)	2.42 ± 0.0768
Minimum - Maximum	2.1 - 2.73
Check value ± U	2.32 ± 0.09

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	2.570	0.031	106.2	1.0	
LC0002	2.300	0.200	95.1	-0.8	
LC0003	2.700	0.200	111.6	1.9	
LC0004	-	-	-	-	
LC0005	-	-	-	-	
LC0006	2.240	-	92.6	-1.2	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	2.640	0.396	109.1	1.5	
LC0010	2.380	-	98.4	-0.3	
LC0011	-	-	-	-	
LC0012	2.614	0.300	108.0	1.3	
LC0013	2.200	0.400	90.9	-1.4	
LC0014	2.630	0.300	108.7	1.4	
LC0015	-	-	-	-	
LC0016	-	-	-	-	
LC0017	-	-	-	-	
LC0018	2.300	0.230	95.1	-0.8	
LC0019	-	-	-	-	
LC0020	2.500	0.170	103.3	0.5	
LC0021	2.300	0.300	95.1	-0.8	
LC0022	2.400	-	99.2	-0.1	
LC0023	2.400	0.100	99.2	-0.1	
LC0024	2.4192	0.2416	100.0	0.0	
LC0025	2.400	0.200	99.2	-0.1	
LC0026	2.460	1.000	101.7	0.3	
LC0027	2.150	0.070	88.9	-1.8	
LC0028	2.270	0.040	93.8	-1.0	
LC0029	2.420	0.240	100.0	0.0	
LC0030	2.470	0.400	102.1	0.3	
LC0031	2.430	1.000	100.4	0.1	
LC0032	2.400	0.456	99.2	-0.1	
LC0033	2.410	0.240	99.6	-0.1	
LC0034	2.450	0.1225	101.3	0.2	
LC0035	2.440	0.006	100.8	0.1	
LC0036	2.670	-	110.4	1.7	
LC0037	2.300	0.020	95.1	-0.8	
LC0038	2.400	0.180	99.2	-0.1	
LC0039	2.440	0.250	100.8	0.1	
LC0040	2.730	0.152	112.8	2.0	
LC0041	2.340	0.210	96.7	-0.5	



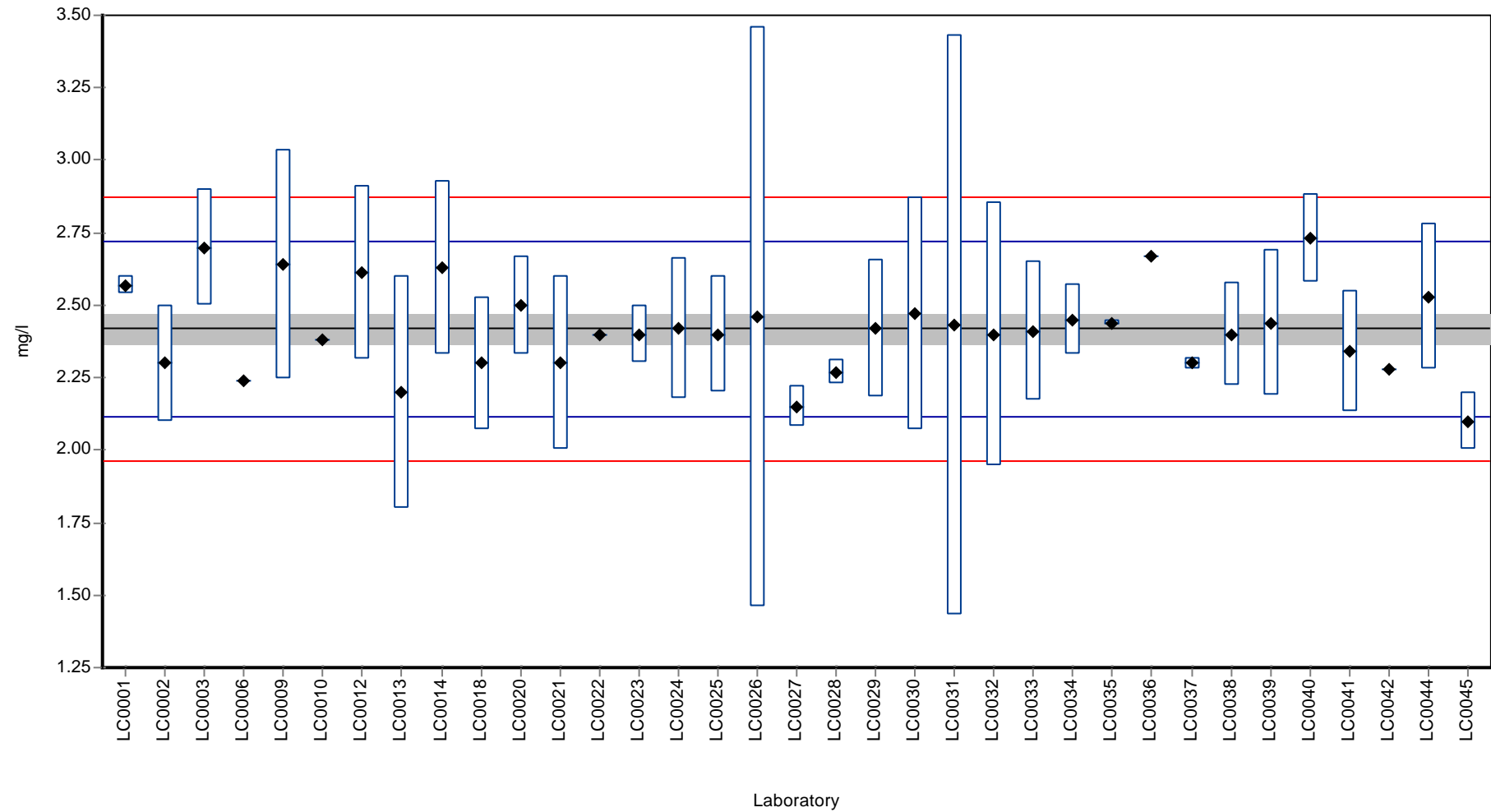
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	2.280	-	94.2	-0.9	
LC0043	-	-	-	-	
LC0044	2.530	0.253	104.6	0.7	
LC0045	2.100	0.100	86.8	-2.1	

#### Characteristics of parameter

	all results	without outliers	Unit
Mean ± CI (99%)	2.42 ± 0.0768	2.42 ± 0.0768	mg/l
Minimum	2.1	2.1	mg/l
Maximum	2.73	2.73	mg/l
Standard deviation	0.151	0.151	mg/l
rel. Standard deviation	6.26	6.26	%
n	35	35	-

Graphical presentation of results

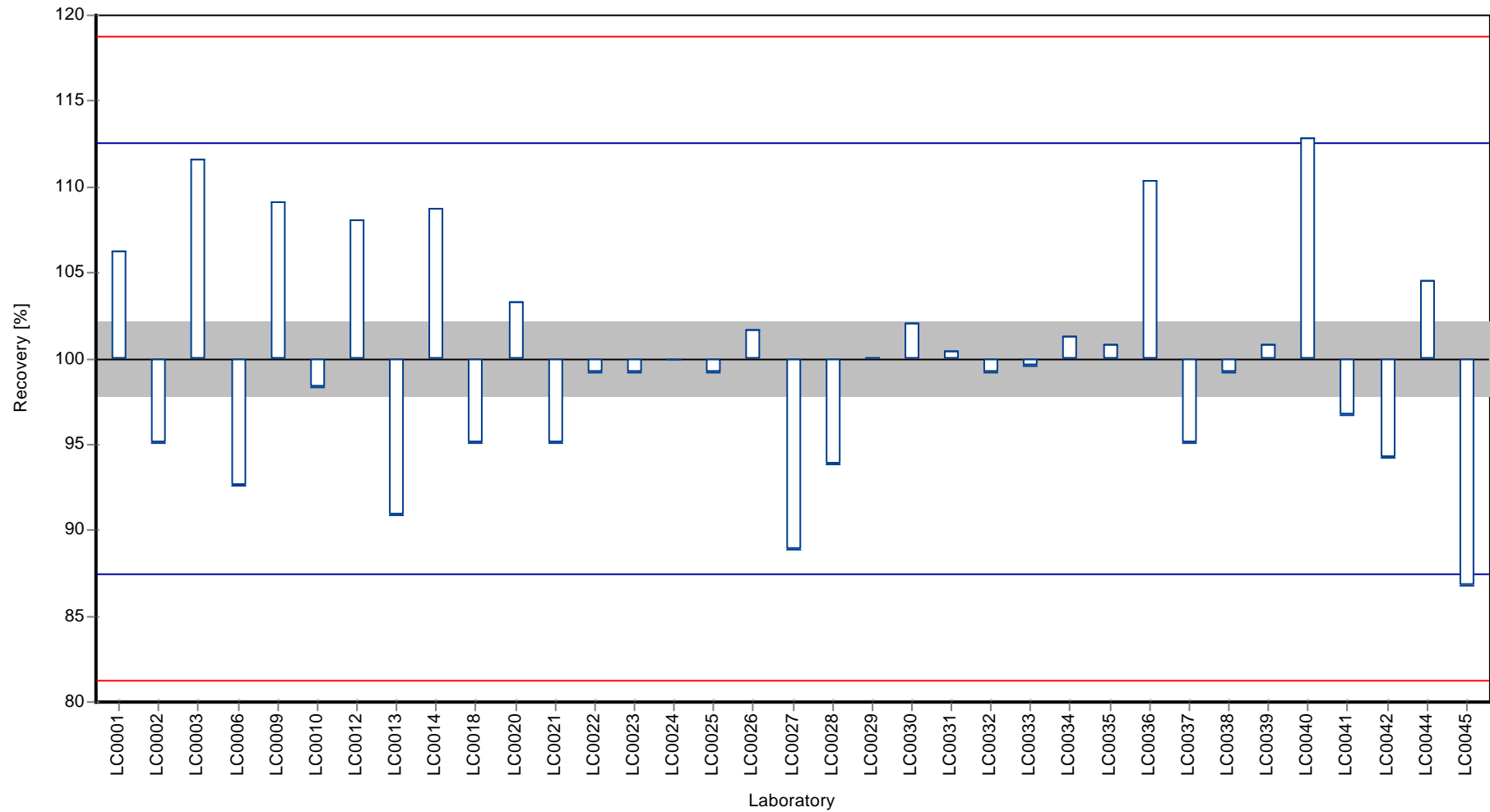
Results



Parameter oriented report Major ions N125

Sample: N125B, Parameter: Potassium

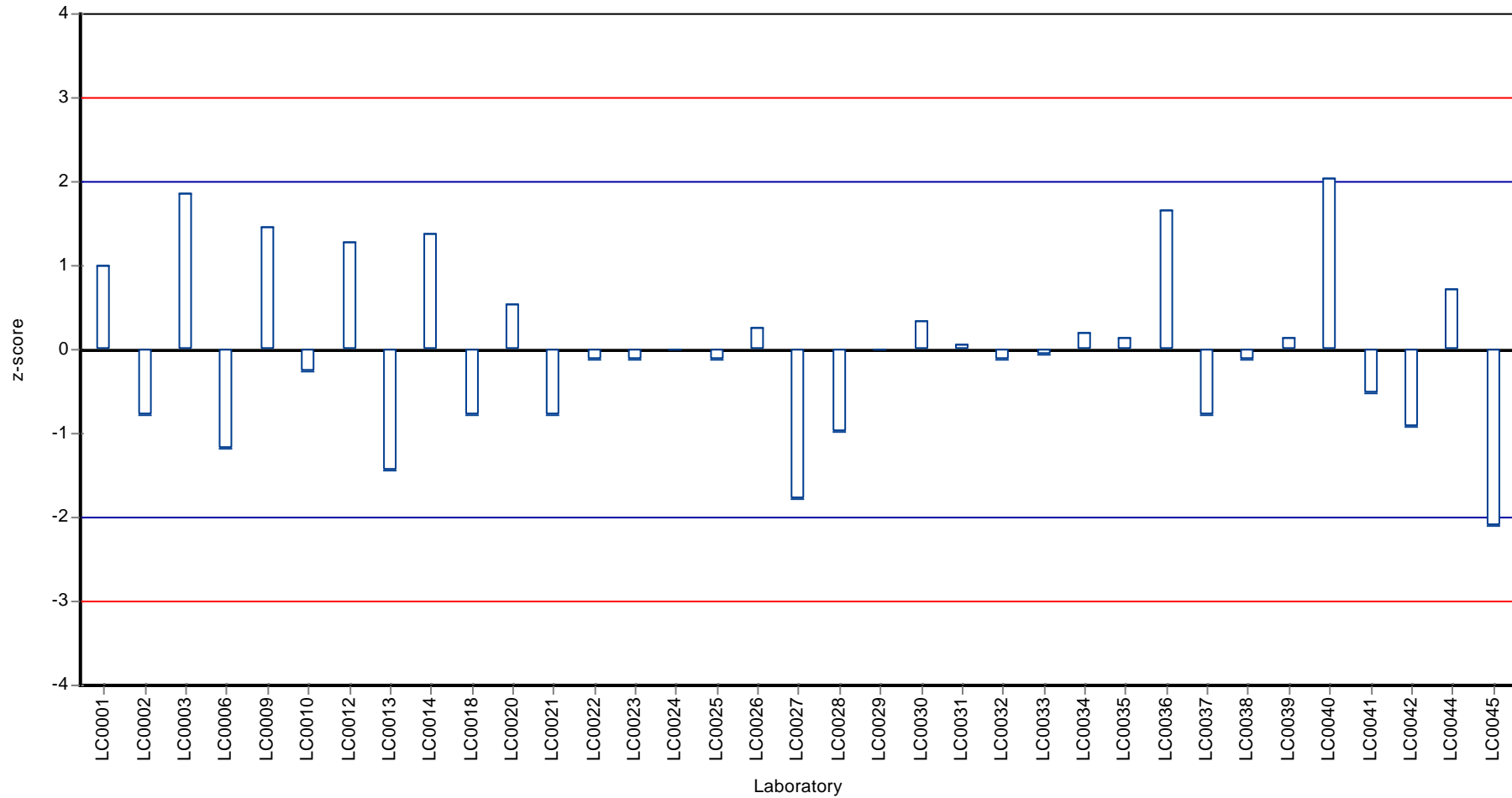
Recovery rate



Parameter oriented report Major ions N125

Sample: N125B, Parameter: Potassium

Z-score



## Parameter oriented report

### N125 A

#### El. conductivity (25°C)

Unit	µS/cm
Mean ± CI (99%)	659 ± 4.22
Minimum - Maximum	641 - 682
Check value ± U	657 ± 4.3

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	658.000	0.630	99.9	-0.1	
LC0002	658.000	13.000	99.9	-0.1	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	660.000	-	100.2	0.1	
LC0006	641.000	-	97.3	-2.1	
LC0007	662.000	-	100.5	0.4	
LC0008	-	-	-	-	
LC0009	660.000	19.800	100.2	0.1	
LC0010	666.000	-	101.1	0.8	
LC0011	652.000	7.170	99.0	-0.8	
LC0012	653.000	4.510	99.1	-0.7	
LC0013	655.000	26.200	99.4	-0.5	
LC0014	655.000	10.000	99.4	-0.5	
LC0015	674.000	8.560	102.3	1.8	
LC0016	658.000	22.000	99.9	-0.1	
LC0017	674.000	23.000	102.3	1.8	
LC0018	658.000	19.070	99.9	-0.1	
LC0019	627.000	2.000	95.2	-3.8	H
LC0020	652.000	13.000	99.0	-0.8	
LC0021	663.000	13.000	100.6	0.5	
LC0022	670.000	-	101.7	1.3	
LC0023	661.000	13.000	100.3	0.3	
LC0024	662.000	-	100.5	0.4	
LC0025	662.000	33.000	100.5	0.4	
LC0026	652.000	3.000	99.0	-0.8	
LC0027	621.000	0.700	94.3	-4.5	H
LC0028	647.000	-	98.2	-1.4	
LC0029	664.000	13.000	100.8	0.6	
LC0030	659.000	27.000	100.0	0.0	
LC0031	660.000	8.000	100.2	0.1	
LC0032	682.000	34.100	103.5	2.7	
LC0033	655.000	66.000	99.4	-0.5	
LC0034	663.000	13.300	100.6	0.5	
LC0035	607.000	3.600	92.1	-6.1	H
LC0036	-	-	-	-	
LC0037	642.000	17.700	97.4	-2.0	
LC0038	650.000	19.000	98.7	-1.0	
LC0039	660.000	5.000	100.2	0.1	
LC0040	664.000	29.680	100.8	0.6	
LC0041	-	-	-	-	

Parameter oriented report Major ions N125

Sample: N125A, Parameter: El. conductivity (25°C)

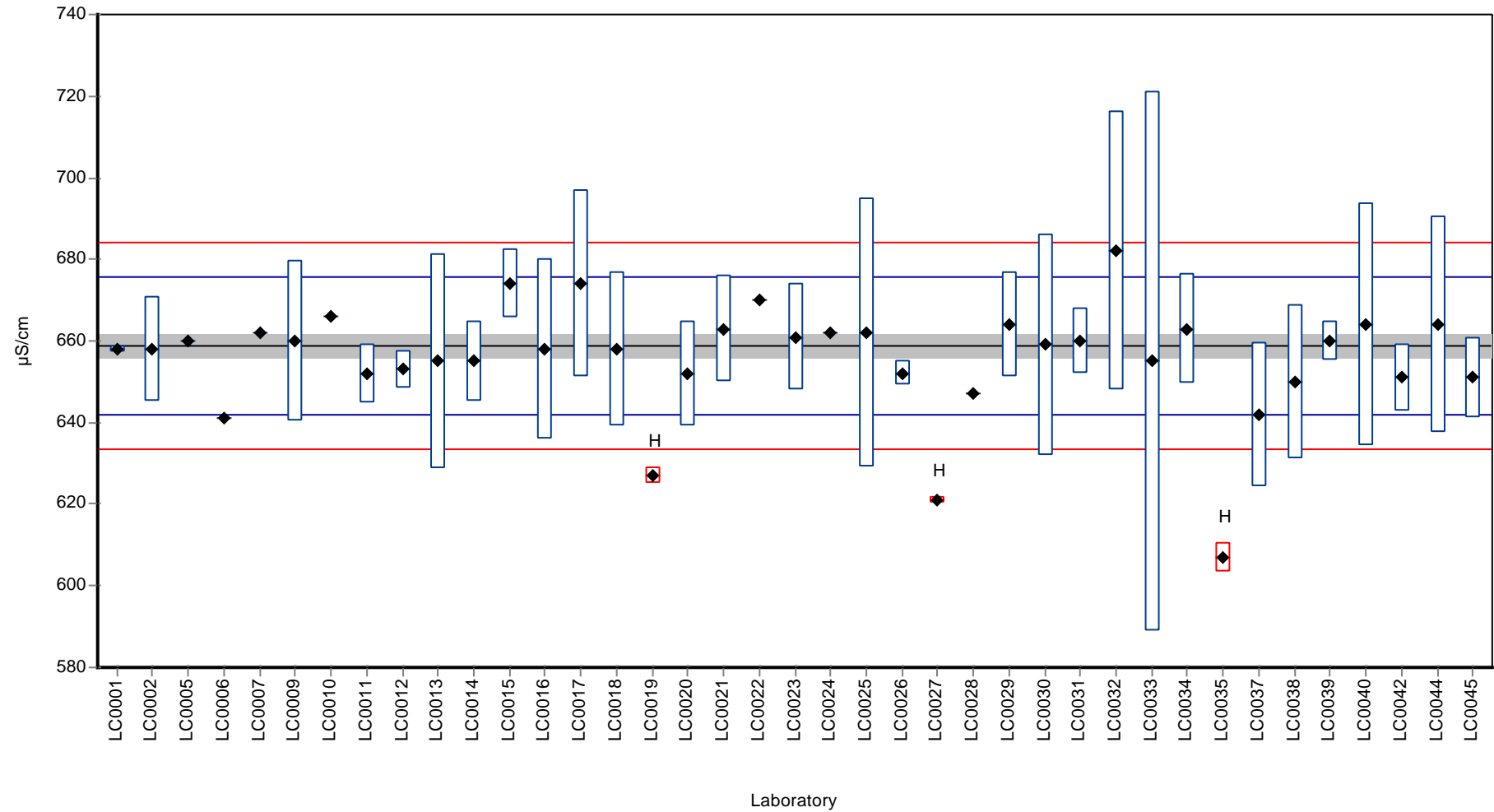
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	651.000	8.270	98.8	-0.9	
LC0043	-	-	-	-	
LC0044	664.000	26.500	100.8	0.6	
LC0045	651.000	10.000	98.8	-0.9	

#### Characteristics of parameter

	all results	without outliers	Unit
Mean ± CI (99%)	656 ± 6.63	659 ± 4.22	µS/cm
Minimum	607	641	µS/cm
Maximum	682	682	µS/cm
Standard deviation	13.8	8.44	µS/cm
rel. Standard deviation	2.11	1.28	%
n	39	36	-

Graphical presentation of results

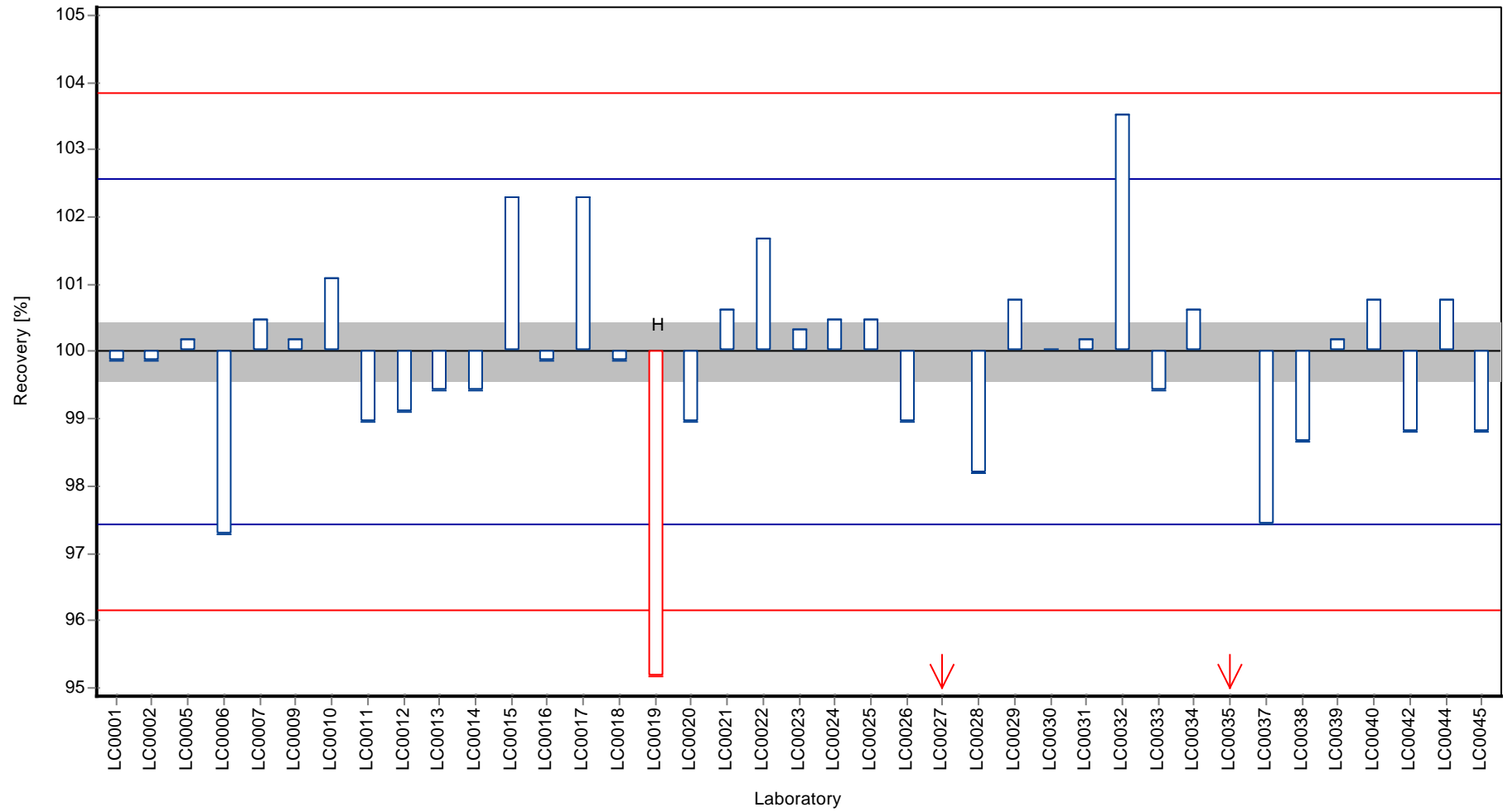
Results



Parameter oriented report Major ions N125

Sample: N125A, Parameter: El. conductivity (25°C)

**Recovery rate**

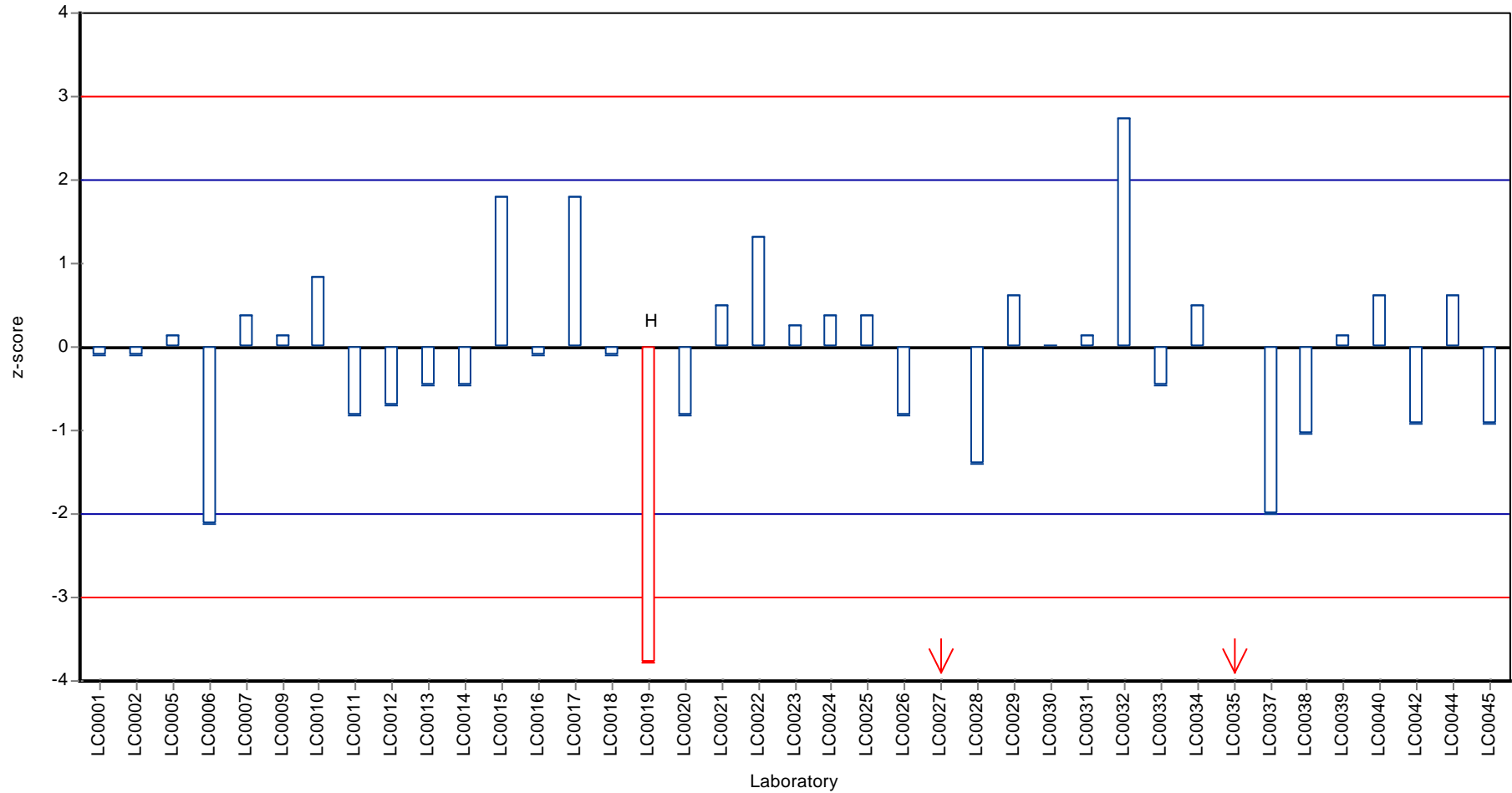




Parameter oriented report Major ions N125

Sample: N125A, Parameter: El. conductivity (25°C)

Z-score



## Parameter oriented report

### N125 B

#### El. conductivity (25°C)

Unit	µS/cm
Mean ± CI (99%)	527 ± 4.01
Minimum - Maximum	506 - 544
Check value ± U	527 ± 1.1

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	527.000	0.090	100.1	0.1	
LC0002	527.000	11.000	100.1	0.1	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	528.000	-	100.3	0.2	
LC0006	514.000	-	97.6	-1.6	
LC0007	663.000	-	125.9	17.0	H
LC0008	-	-	-	-	
LC0009	529.000	15.870	100.5	0.3	
LC0010	531.000	-	100.9	0.6	
LC0011	521.000	5.730	99.0	-0.7	
LC0012	521.000	4.510	99.0	-0.7	
LC0013	523.000	20.900	99.3	-0.4	
LC0014	522.000	8.000	99.1	-0.6	
LC0015	536.000	6.810	101.8	1.2	
LC0016	525.000	22.000	99.7	-0.2	
LC0017	542.000	19.000	102.9	1.9	
LC0018	524.000	15.180	99.5	-0.3	
LC0019	498.000	2.000	94.6	-3.6	H
LC0020	521.000	10.000	99.0	-0.7	
LC0021	530.000	11.000	100.7	0.4	
LC0022	540.000	-	102.6	1.7	
LC0023	526.000	11.000	99.9	-0.1	
LC0024	528.000	-	100.3	0.2	
LC0025	529.000	26.000	100.5	0.3	
LC0026	520.000	3.000	98.8	-0.8	
LC0027	506.000	-	96.1	-2.6	
LC0028	516.000	-	98.0	-1.3	
LC0029	530.000	11.000	100.7	0.4	
LC0030	527.000	22.000	100.1	0.1	
LC0031	530.000	6.000	100.7	0.4	
LC0032	544.000	27.200	103.3	2.2	
LC0033	525.000	53.000	99.7	-0.2	
LC0034	540.000	10.800	102.6	1.7	
LC0035	484.000	1.000	91.9	-5.3	H
LC0036	-	-	-	-	
LC0037	535.000	9.100	101.6	1.1	
LC0038	517.000	16.000	98.2	-1.2	
LC0039	523.000	5.000	99.3	-0.4	
LC0040	533.500	23.930	101.3	0.9	
LC0041	-	-	-	-	

Parameter oriented report Major ions N125

Sample: N125B, Parameter: El. conductivity (25°C)

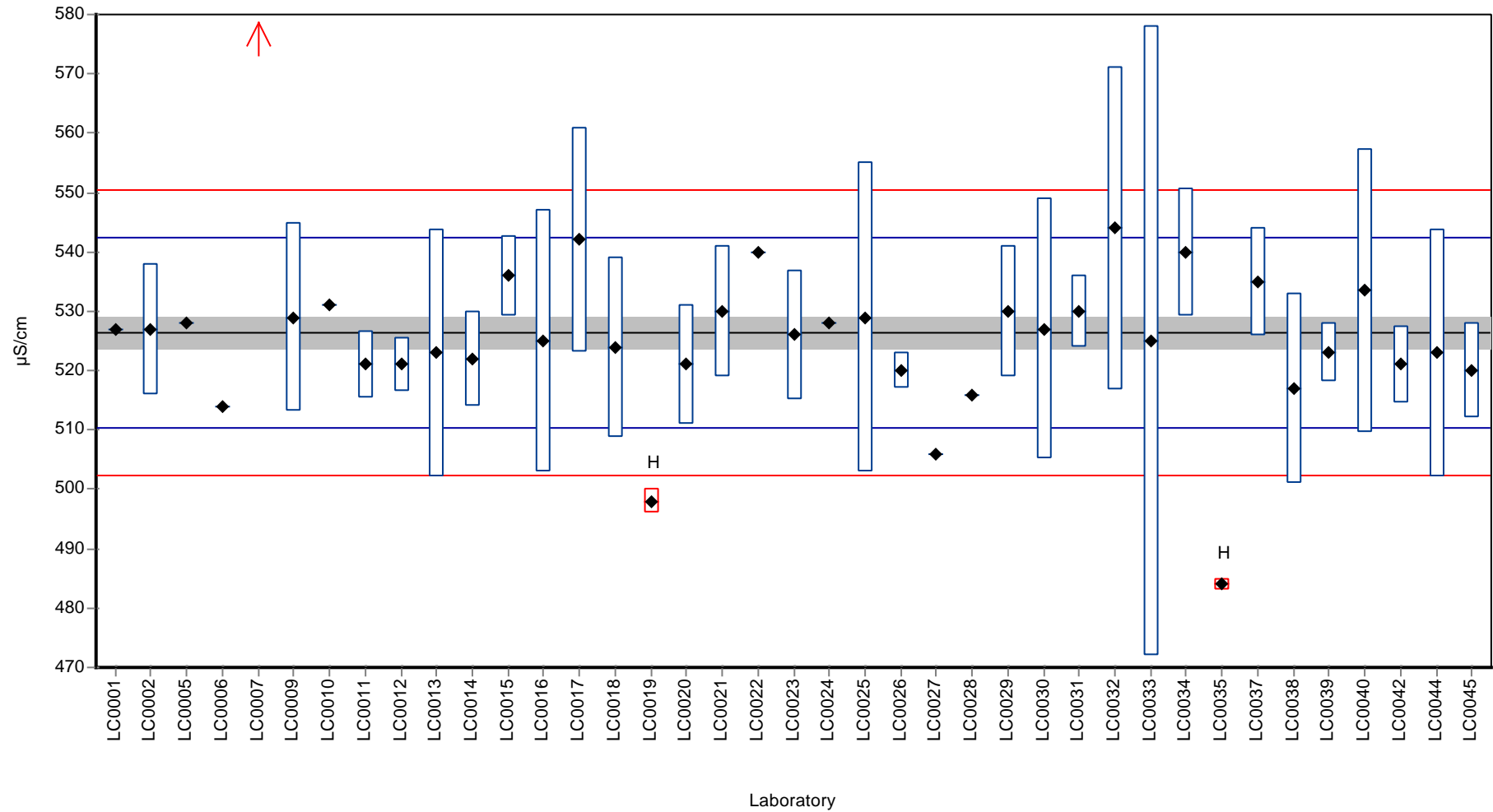
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	521.000	6.620	99.0	-0.7	
LC0043	-	-	-	-	
LC0044	523.000	20.900	99.3	-0.4	
LC0045	520.000	8.000	98.8	-0.8	

#### Characteristics of parameter

	all results	without outliers	Unit
Mean ± CI (99%)	528 ± 11.9	527 ± 4.01	µS/cm
Minimum	484	506	µS/cm
Maximum	663	544	µS/cm
Standard deviation	24.8	8.01	µS/cm
rel. Standard deviation	4.7	1.52	%
n	39	36	-

Graphical presentation of results

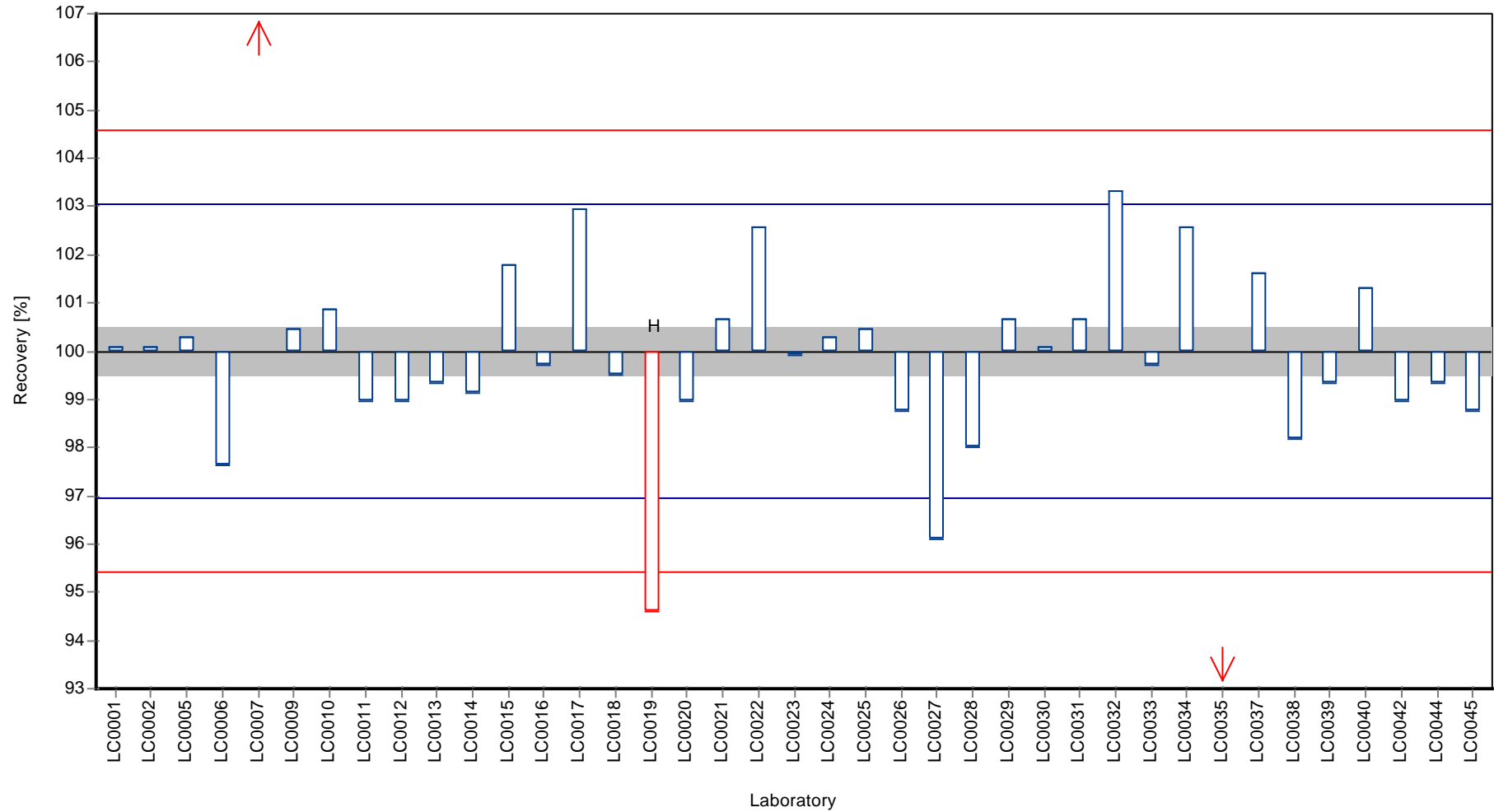
Results



Parameter oriented report Major ions N125

Sample: N125B, Parameter: El. conductivity (25°C)

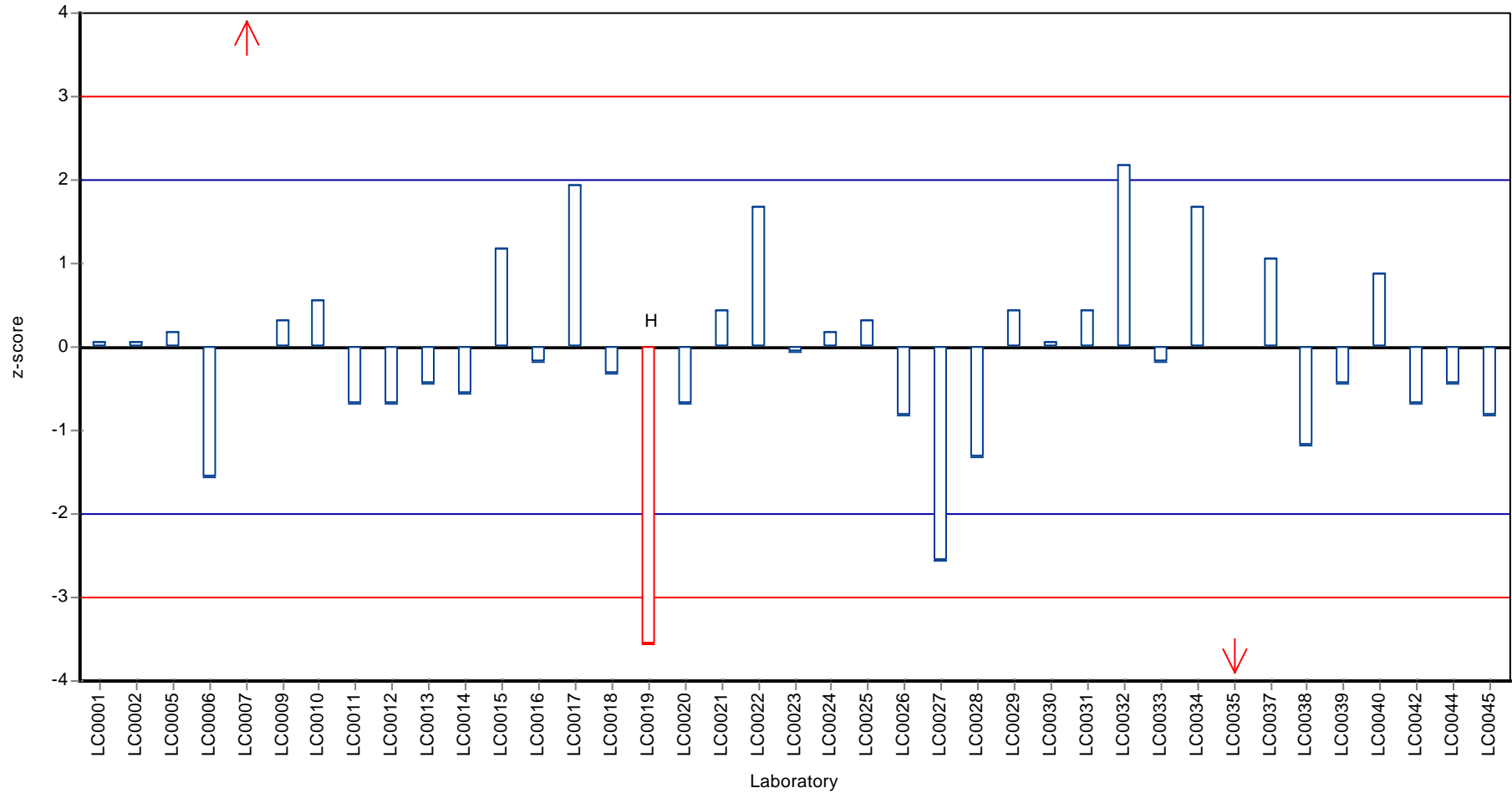
Recovery rate



Parameter oriented report Major ions N125

Sample: N125B, Parameter: El. conductivity (25°C)

Z-score



## Parameter oriented report

### N125 A

#### Magnesium

Unit	mg/l
Mean ± CI (99%)	23.5 ± 0.376
Minimum - Maximum	22.2 - 25.4
Check value ± U	24.0 ± 2.4

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	23.600	0.799	100.6	0.2	
LC0002	23.800	1.000	101.5	0.5	
LC0003	22.200	2.000	94.7	-1.7	
LC0004	22.300	-	95.1	-1.5	
LC0005	-	-	-	-	
LC0006	24.000	-	102.3	0.7	
LC0007	23.300	-	99.4	-0.2	
LC0008	-	-	-	-	
LC0009	24.700	3.705	105.3	1.7	
LC0010	22.600	-	96.4	-1.1	
LC0011	-	-	-	-	
LC0012	23.704	2.400	101.1	0.3	
LC0013	22.800	4.100	97.2	-0.9	
LC0014	24.600	2.500	104.9	1.5	
LC0015	-	-	-	-	
LC0016	-	-	-	-	
LC0017	14.600	1.400	62.3	-11.8	H
LC0018	23.500	1.880	100.2	0.1	
LC0019	-	-	-	-	
LC0020	22.900	0.800	97.6	-0.7	
LC0021	22.800	4.600	97.2	-0.9	
LC0022	24.000	-	102.3	0.7	
LC0023	24.100	1.200	102.8	0.9	
LC0024	23.8845	1.1692	101.8	0.6	
LC0025	23.400	2.100	99.8	-0.1	
LC0026	23.300	1.000	99.4	-0.2	
LC0027	17.870	0.820	76.2	-7.4	H
LC0028	23.000	0.400	98.1	-0.6	
LC0029	23.600	2.400	100.6	0.2	
LC0030	22.400	3.000	95.5	-1.4	
LC0031	24.000	5.000	102.3	0.7	
LC0032	22.500	2.500	95.9	-1.3	
LC0033	22.500	2.300	95.9	-1.3	
LC0034	22.900	1.145	97.6	-0.7	
LC0035	24.300	0.150	103.6	1.1	
LC0036	22.900	-	97.6	-0.7	
LC0037	23.700	0.310	101.1	0.3	
LC0038	22.500	1.800	95.9	-1.3	
LC0039	24.400	2.500	104.0	1.3	
LC0040	25.400	2.430	108.3	2.6	
LC0041	23.470	0.250	100.1	0.0	

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	23.560	-	100.5	0.1	
LC0043	-	-	-	-	
LC0044	23.830	1.430	101.6	0.5	
LC0045	23.800	1.000	101.5	0.5	

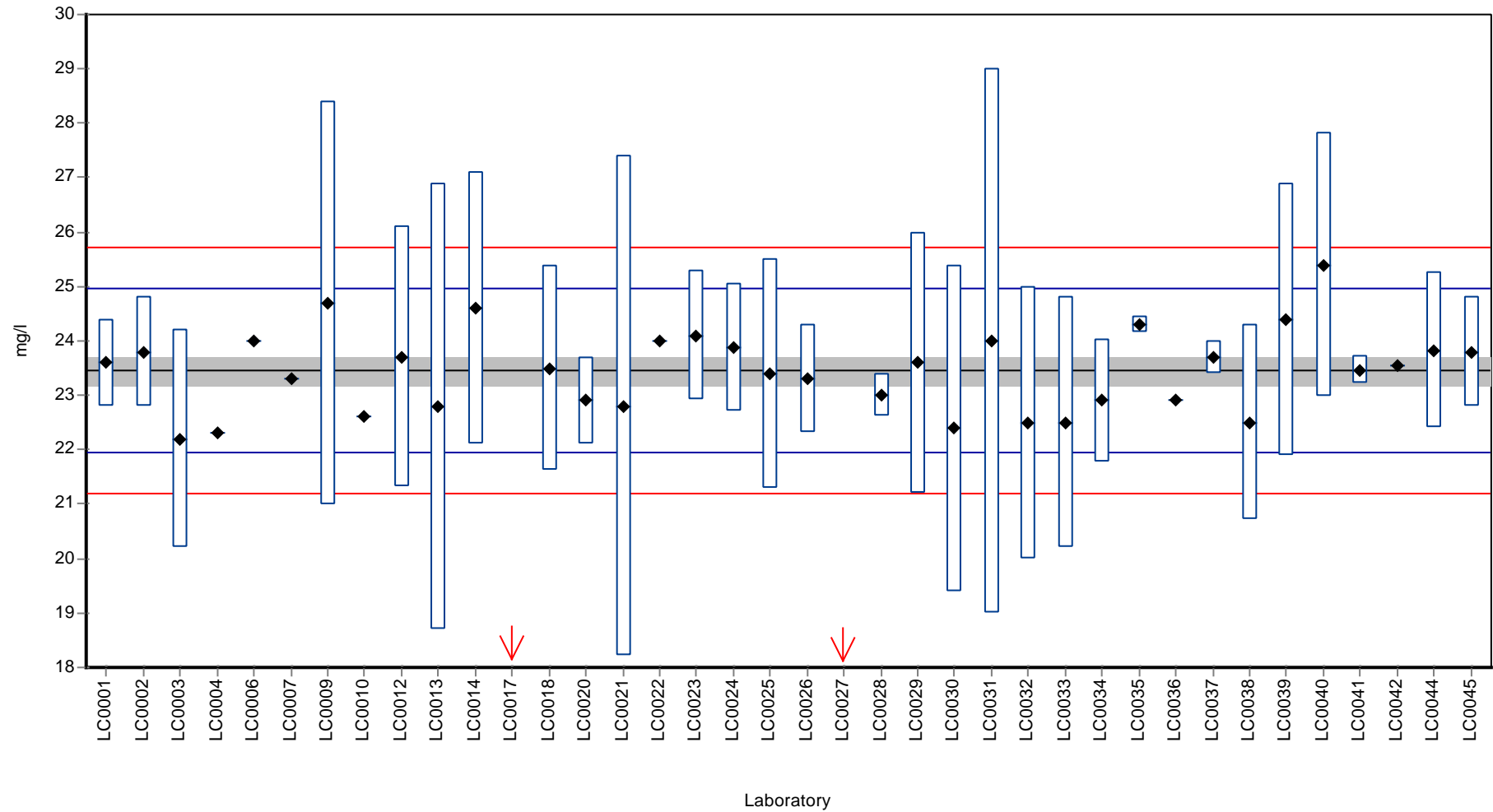
#### Characteristics of parameter

	all results	without outliers	Unit
Mean ± CI (99%)	23.1 ± 0.89	23.5 ± 0.376	mg/l
Minimum	14.6	22.2	mg/l
Maximum	25.4	25.4	mg/l
Standard deviation	1.83	0.753	mg/l
rel. Standard deviation	7.93	3.21	%
n	38	36	-

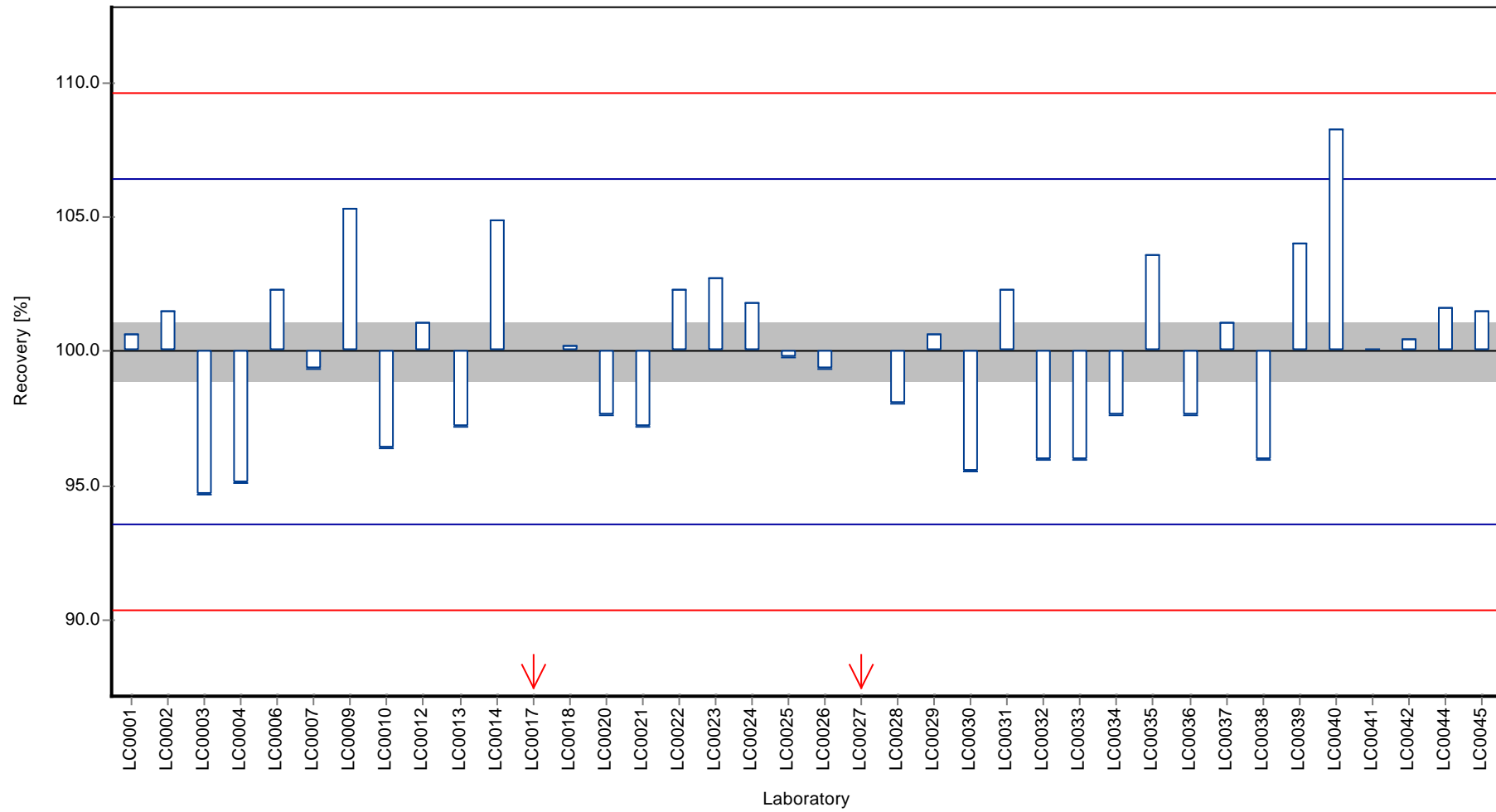


Graphical presentation of results

Results



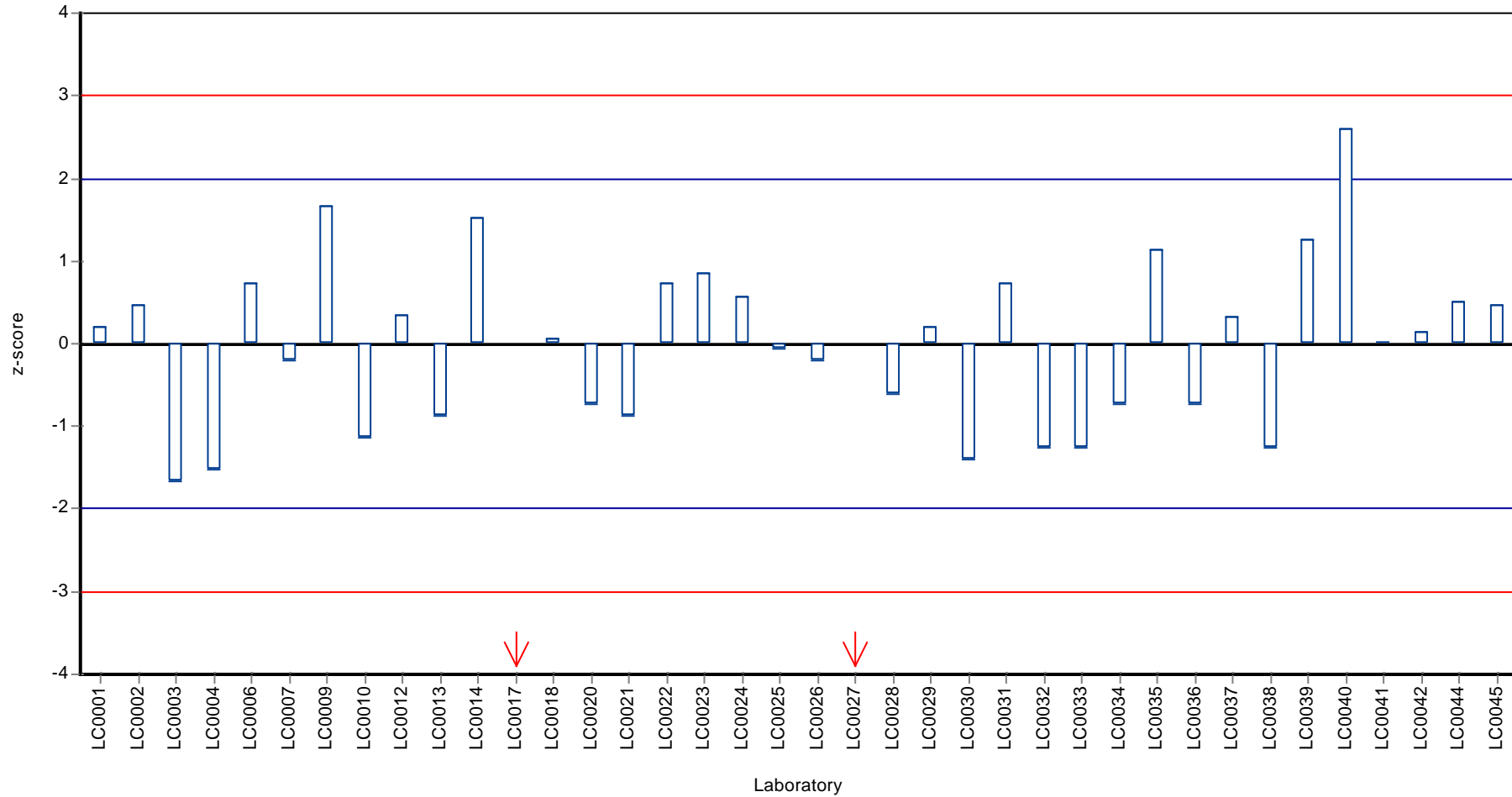
Recovery rate



Parameter oriented report Major ions N125

Sample: N125A, Parameter: Magnesium

Z-score



## Parameter oriented report

### N125 B

#### Magnesium

Unit	mg/l
Mean ± CI (99%)	15.1 ± 0.234
Minimum - Maximum	14.1 - 16
Check value ± U	16.0 ± 1.6

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	15.000	0.839	99.3	-0.2	
LC0002	15.100	1.000	99.9	0.0	
LC0003	14.200	1.000	94.0	-2.0	
LC0004	11.200	-	74.1	-8.5	H
LC0005	-	-	-	-	
LC0006	15.200	-	100.6	0.2	
LC0007	15.200	-	100.6	0.2	
LC0008	-	-	-	-	
LC0009	15.600	2.340	103.3	1.1	
LC0010	15.050	-	99.6	-0.1	
LC0011	-	-	-	-	
LC0012	15.360	1.500	101.7	0.5	
LC0013	14.700	2.650	97.3	-0.9	
LC0014	16.000	1.600	105.9	1.9	
LC0015	-	-	-	-	
LC0016	-	-	-	-	
LC0017	18.000	1.800	119.1	6.3	H
LC0018	15.020	1.202	99.4	-0.2	
LC0019	-	-	-	-	
LC0020	14.500	0.500	96.0	-1.3	
LC0021	14.700	3.000	97.3	-0.9	
LC0022	16.000	-	105.9	1.9	
LC0023	15.500	0.800	102.6	0.8	
LC0024	14.8906	1.2033	98.6	-0.5	
LC0025	15.000	1.400	99.3	-0.2	
LC0026	15.400	1.000	101.9	0.6	
LC0027	10.920	0.170	72.3	-9.1	H
LC0028	14.960	0.300	99.0	-0.3	
LC0029	15.000	1.500	99.3	-0.2	
LC0030	15.000	2.000	99.3	-0.2	
LC0031	15.100	5.000	99.9	0.0	
LC0032	15.800	5.800	104.6	1.5	
LC0033	14.100	1.400	93.3	-2.2	
LC0034	14.900	0.745	98.6	-0.5	
LC0035	15.600	0.100	103.3	1.1	
LC0036	14.500	-	96.0	-1.3	
LC0037	15.000	0.030	99.3	-0.2	
LC0038	14.500	1.200	96.0	-1.3	
LC0039	15.500	1.600	102.6	0.8	
LC0040	15.900	1.490	105.2	1.7	
LC0041	14.840	0.080	98.2	-0.6	

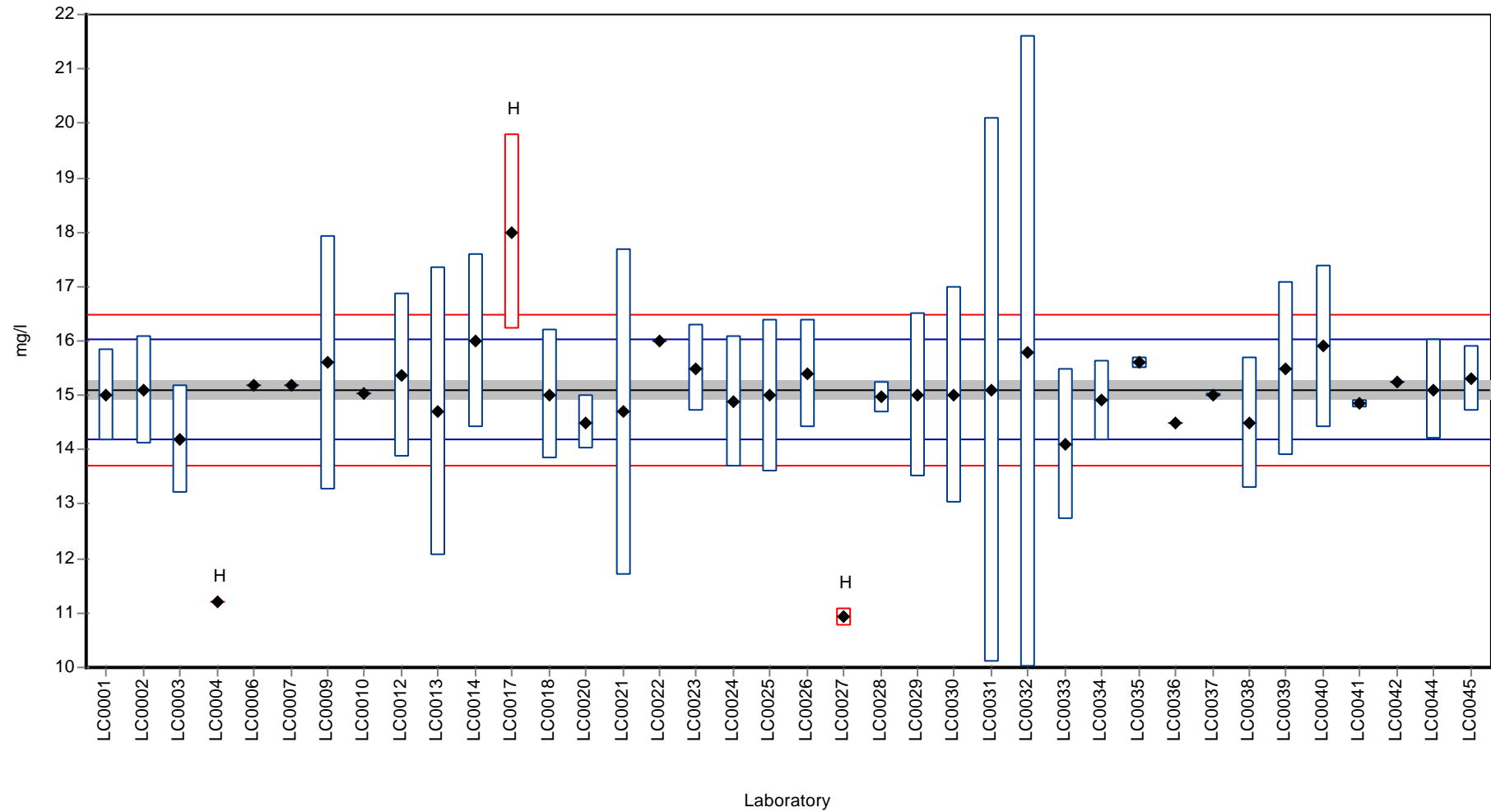
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	15.260	-	101.0	0.3	
LC0043	-	-	-	-	
LC0044	15.110	0.907	100.0	0.0	
LC0045	15.300	0.600	101.3	0.4	

#### Characteristics of parameter

	all results	without outliers	Unit
Mean ± CI (99%)	15 ± 0.553	15.1 ± 0.234	mg/l
Minimum	10.9	14.1	mg/l
Maximum	18	16	mg/l
Standard deviation	1.14	0.462	mg/l
rel. Standard deviation	7.59	3.06	%
n	38	35	-

Graphical presentation of results

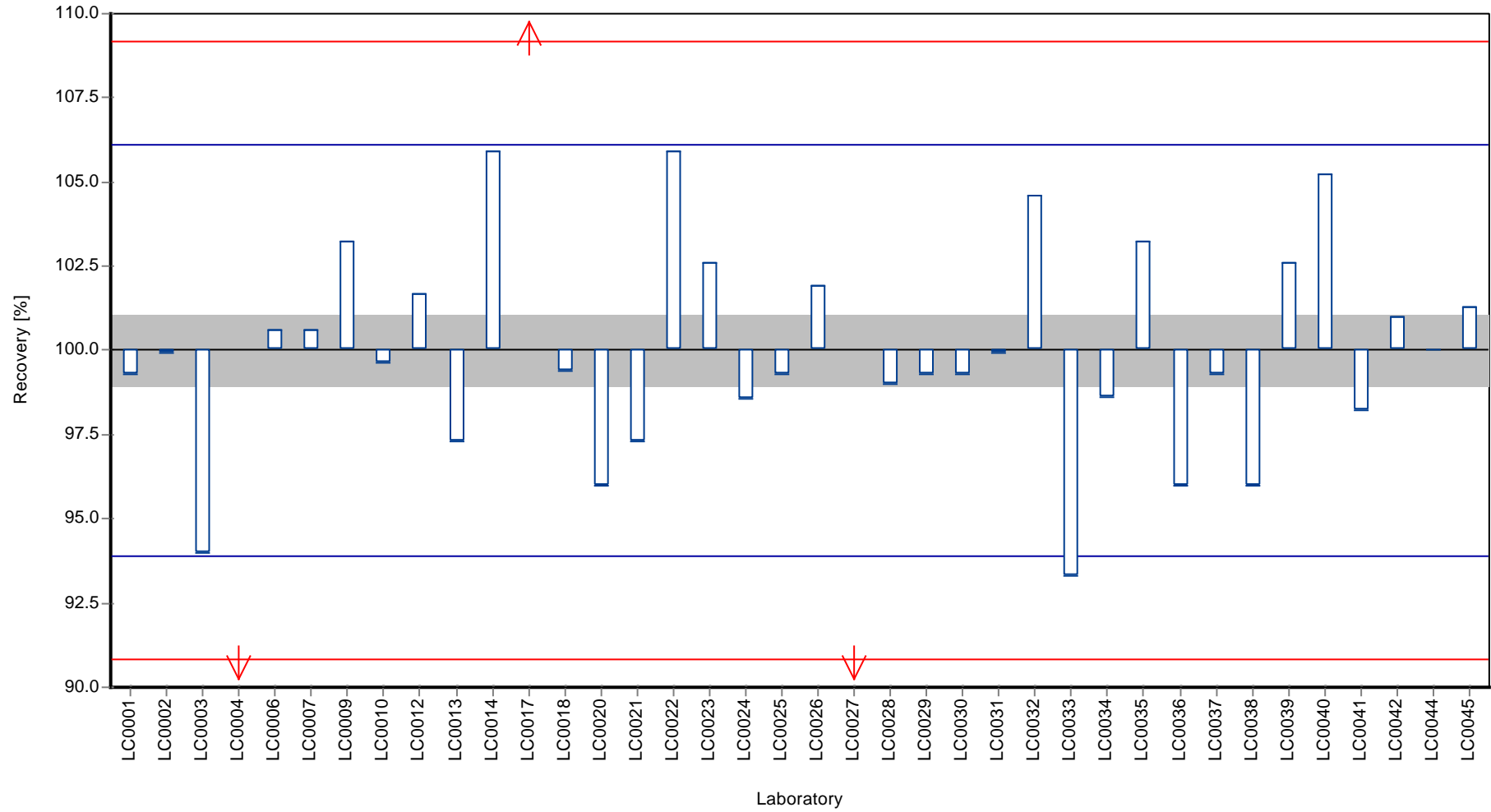
Results



Parameter oriented report Major ions N125

Sample: N125B, Parameter: Magnesium

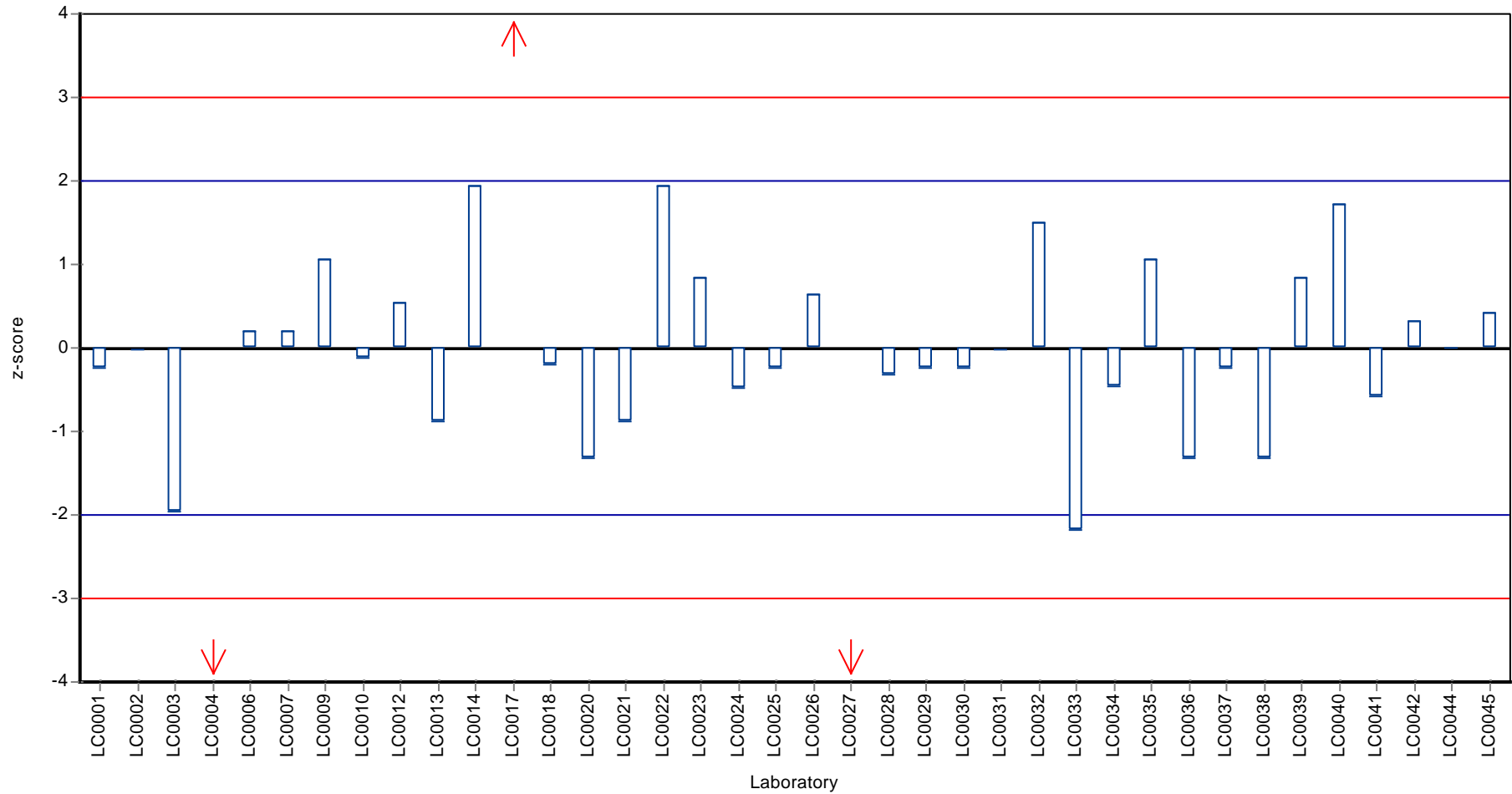
Recovery rate



Parameter oriented report Major ions N125

Sample: N125B, Parameter: Magnesium

Z-score





## Parameter oriented report

### N125 A

#### Sodium

Unit	mg/l
Mean ± CI (99%)	18.9 ± 0.221
Minimum - Maximum	18 - 19.8
Check value ± U	19.0 ± 1.9

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	19.100	0.457	101.2	0.5	
LC0002	18.800	0.600	99.6	-0.2	
LC0003	19.000	2.000	100.7	0.3	
LC0004	-	-	-	-	
LC0005	-	-	-	-	
LC0006	18.400	-	97.5	-1.1	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	19.400	2.910	102.8	1.2	
LC0010	18.800	-	99.6	-0.2	
LC0011	-	-	-	-	
LC0012	18.548	1.600	98.3	-0.8	
LC0013	18.800	3.380	99.6	-0.2	
LC0014	20.800	2.000	110.2	4.5	H
LC0015	-	-	-	-	
LC0016	-	-	-	-	
LC0017	-	-	-	-	
LC0018	18.600	2.980	98.6	-0.6	
LC0019	-	-	-	-	
LC0020	19.800	0.700	104.9	2.2	
LC0021	18.300	0.900	97.0	-1.4	
LC0022	19.000	-	100.7	0.3	
LC0023	18.600	0.900	98.6	-0.6	
LC0024	18.7868	1.3606	99.5	-0.2	
LC0025	19.200	1.500	101.7	0.8	
LC0026	18.800	1.000	99.6	-0.2	
LC0027	18.720	0.250	99.2	-0.4	
LC0028	18.780	0.100	99.5	-0.2	
LC0029	19.400	1.940	102.8	1.2	
LC0030	18.900	2.900	100.1	0.1	
LC0031	19.500	1.000	103.3	1.5	
LC0032	17.600	1.056	93.3	-3.0	H
LC0033	18.000	1.800	95.4	-2.1	
LC0034	19.100	0.955	101.2	0.5	
LC0035	19.700	0.250	104.4	2.0	
LC0036	18.700	-	99.1	-0.4	
LC0037	18.600	0.100	98.6	-0.6	
LC0038	18.100	1.500	95.9	-1.8	
LC0039	19.500	2.000	103.3	1.5	
LC0040	19.000	1.780	100.7	0.3	
LC0041	18.460	0.890	97.8	-1.0	

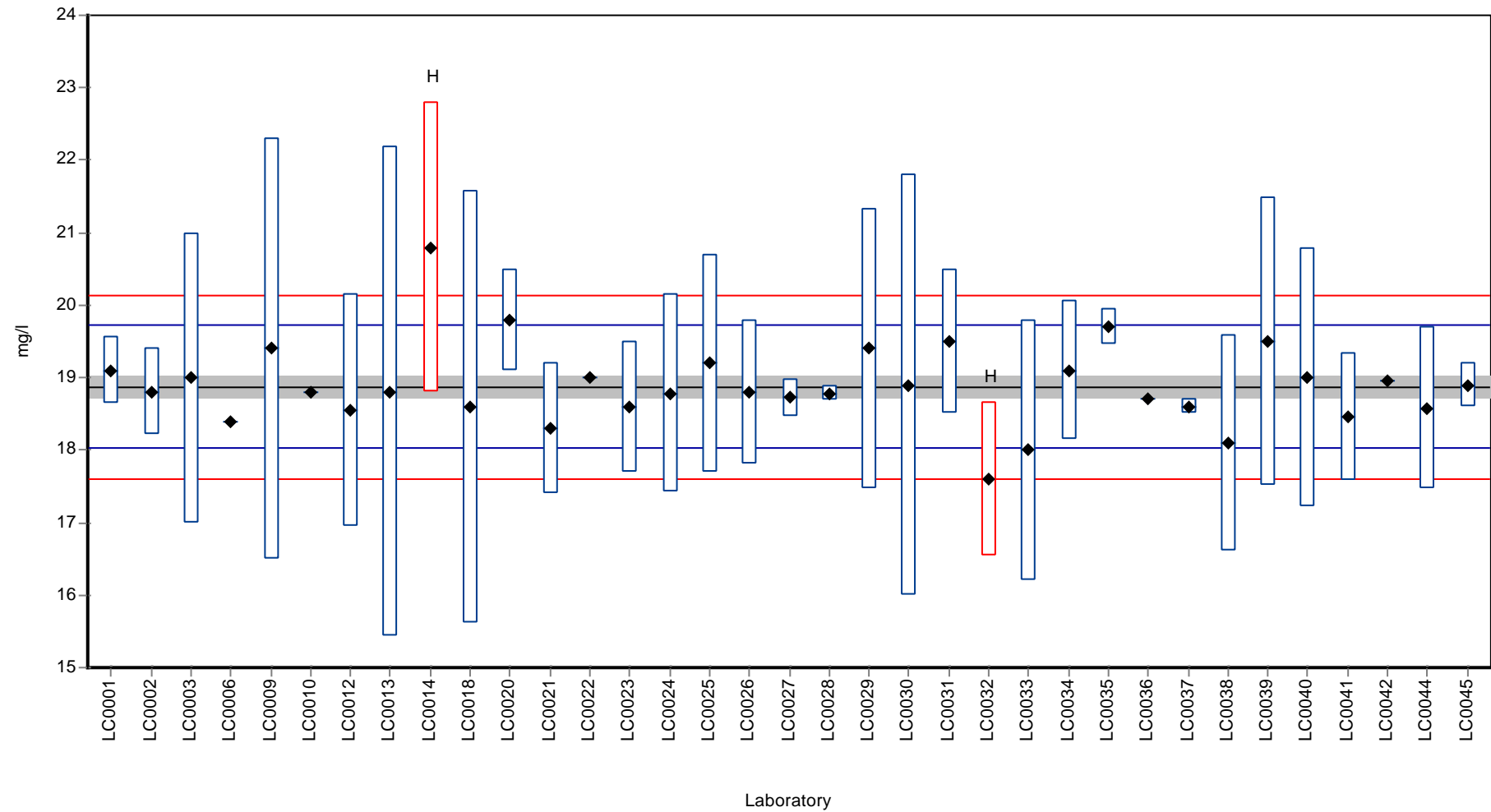
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	18.950	-	100.4	0.2	
LC0043	-	-	-	-	
LC0044	18.580	1.115	98.4	-0.7	
LC0045	18.900	0.300	100.1	0.1	

#### Characteristics of parameter

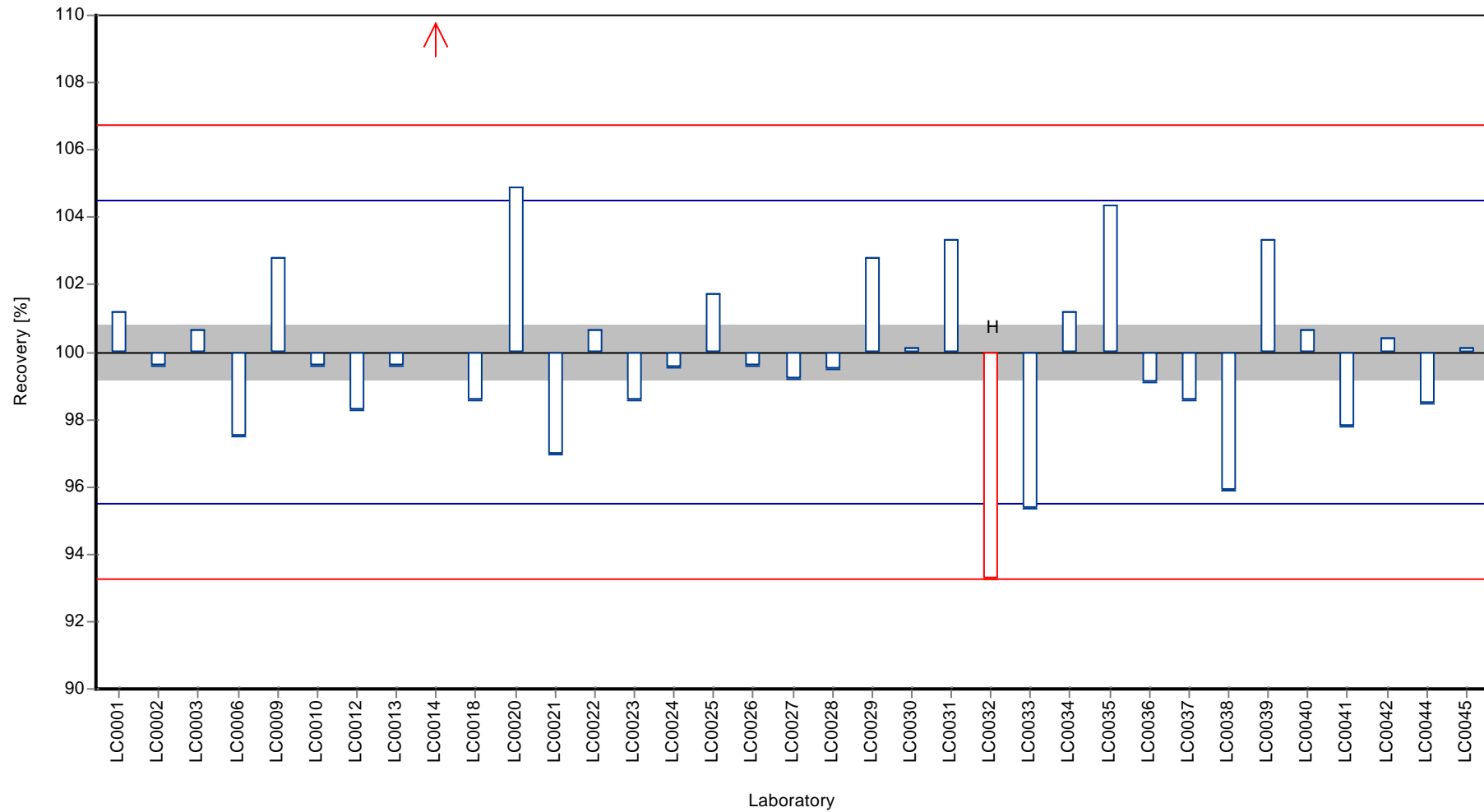
	all results	without outliers	Unit
Mean ± CI (99%)	18.9 ± 0.289	18.9 ± 0.221	mg/l
Minimum	17.6	18	mg/l
Maximum	20.8	19.8	mg/l
Standard deviation	0.57	0.423	mg/l
rel. Standard deviation	3.02	2.24	%
n	35	33	-

Graphical presentation of results

Results



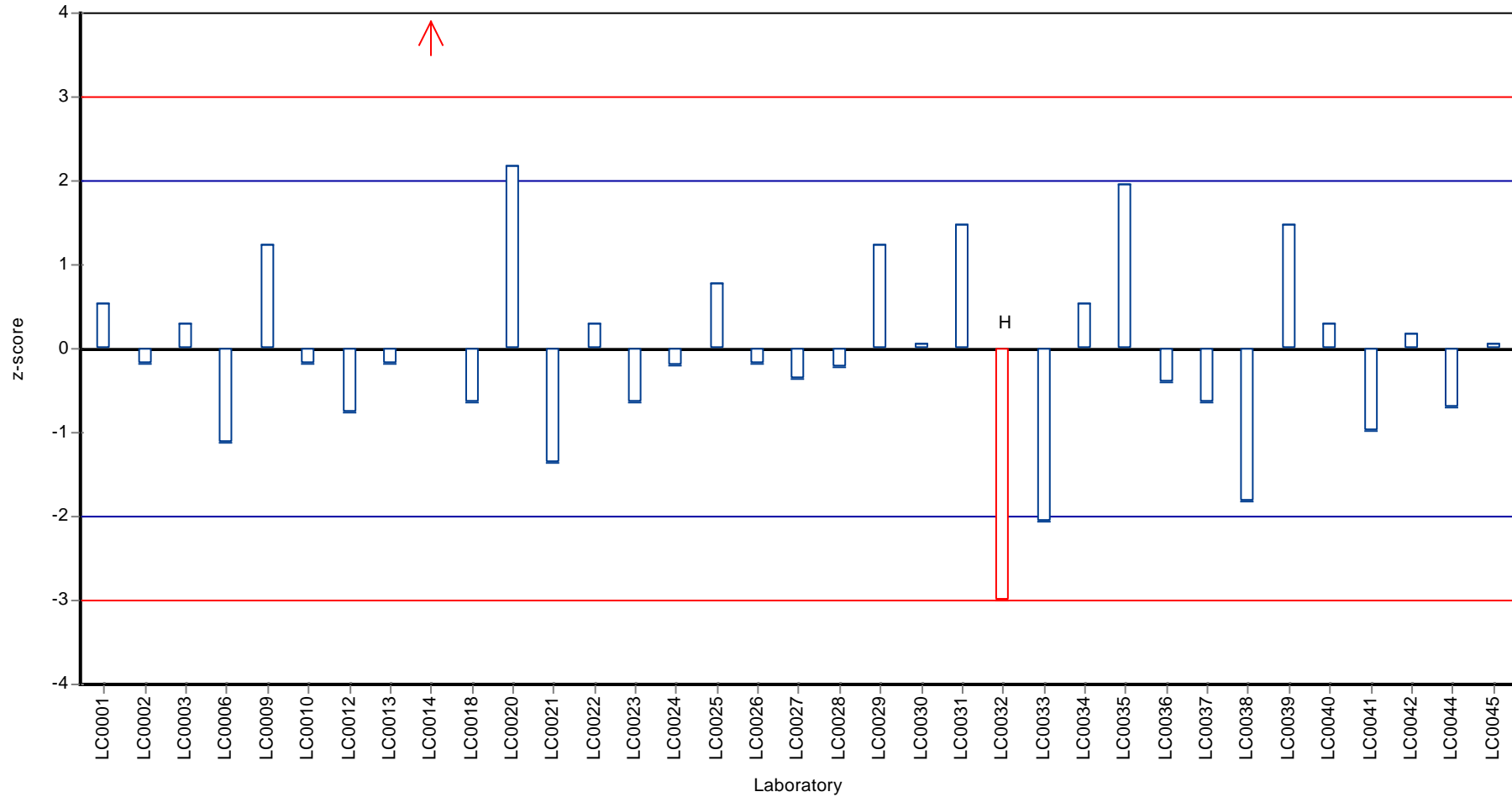
Recovery rate



Parameter oriented report Major ions N125

Sample: N125A, Parameter: Sodium

Z-score



## Parameter oriented report

### N125 B

#### Sodium

Unit	mg/l
Mean ± CI (99%)	20 ± 0.246
Minimum - Maximum	18.7 - 21.27
Check value ± U	20.2 ± 0.9

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	20.000	0.454	100.0	0.0	
LC0002	19.900	0.600	99.5	-0.2	
LC0003	20.200	2.000	101.0	0.4	
LC0004	-	-	-	-	
LC0005	-	-	-	-	
LC0006	19.100	-	95.5	-1.9	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	20.500	3.075	102.5	1.0	
LC0010	21.270	-	106.3	2.7	
LC0011	-	-	-	-	
LC0012	19.670	1.700	98.3	-0.7	
LC0013	19.900	3.580	99.5	-0.2	
LC0014	21.800	2.100	109.0	3.8	H
LC0015	-	-	-	-	
LC0016	-	-	-	-	
LC0017	-	-	-	-	
LC0018	19.800	3.170	99.0	-0.4	
LC0019	-	-	-	-	
LC0020	20.500	0.700	102.5	1.0	
LC0021	19.700	1.000	98.5	-0.6	
LC0022	20.000	-	100.0	0.0	
LC0023	19.900	0.900	99.5	-0.2	
LC0024	20.1301	1.3555	100.6	0.3	
LC0025	20.200	1.600	101.0	0.4	
LC0026	20.700	1.000	103.5	1.5	
LC0027	19.530	0.210	97.6	-1.0	
LC0028	19.960	0.290	99.8	-0.1	
LC0029	20.300	2.030	101.5	0.6	
LC0030	20.300	4.000	101.5	0.6	
LC0031	20.200	1.000	101.0	0.4	
LC0032	18.700	1.122	93.5	-2.8	
LC0033	18.300	1.800	91.5	-3.6	H
LC0034	19.700	0.985	98.5	-0.6	
LC0035	20.700	0.150	103.5	1.5	
LC0036	19.700	-	98.5	-0.6	
LC0037	19.700	0.100	98.5	-0.6	
LC0038	19.700	1.600	98.5	-0.6	
LC0039	20.200	2.000	101.0	0.4	
LC0040	20.300	1.880	101.5	0.6	
LC0041	19.540	0.130	97.7	-1.0	

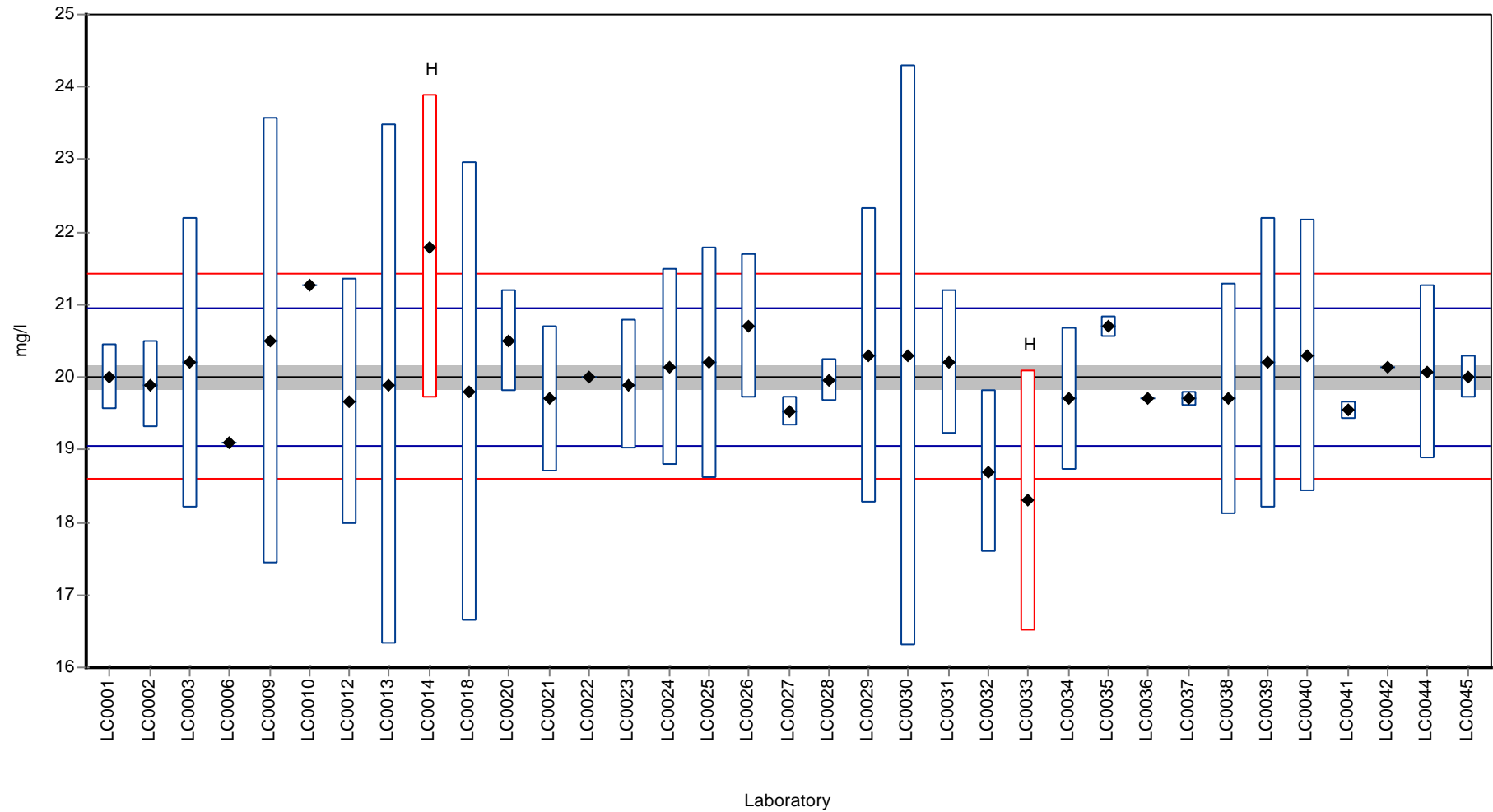
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	20.140	-	100.7	0.3	
LC0043	-	-	-	-	
LC0044	20.070	1.204	100.3	0.1	
LC0045	20.000	0.300	100.0	0.0	

#### Characteristics of parameter

	all results	without outliers	Unit
Mean ± CI (99%)	20 ± 0.317	20 ± 0.246	mg/l
Minimum	18.3	18.7	mg/l
Maximum	21.8	21.3	mg/l
Standard deviation	0.624	0.472	mg/l
rel. Standard deviation	3.12	2.36	%
n	35	33	-

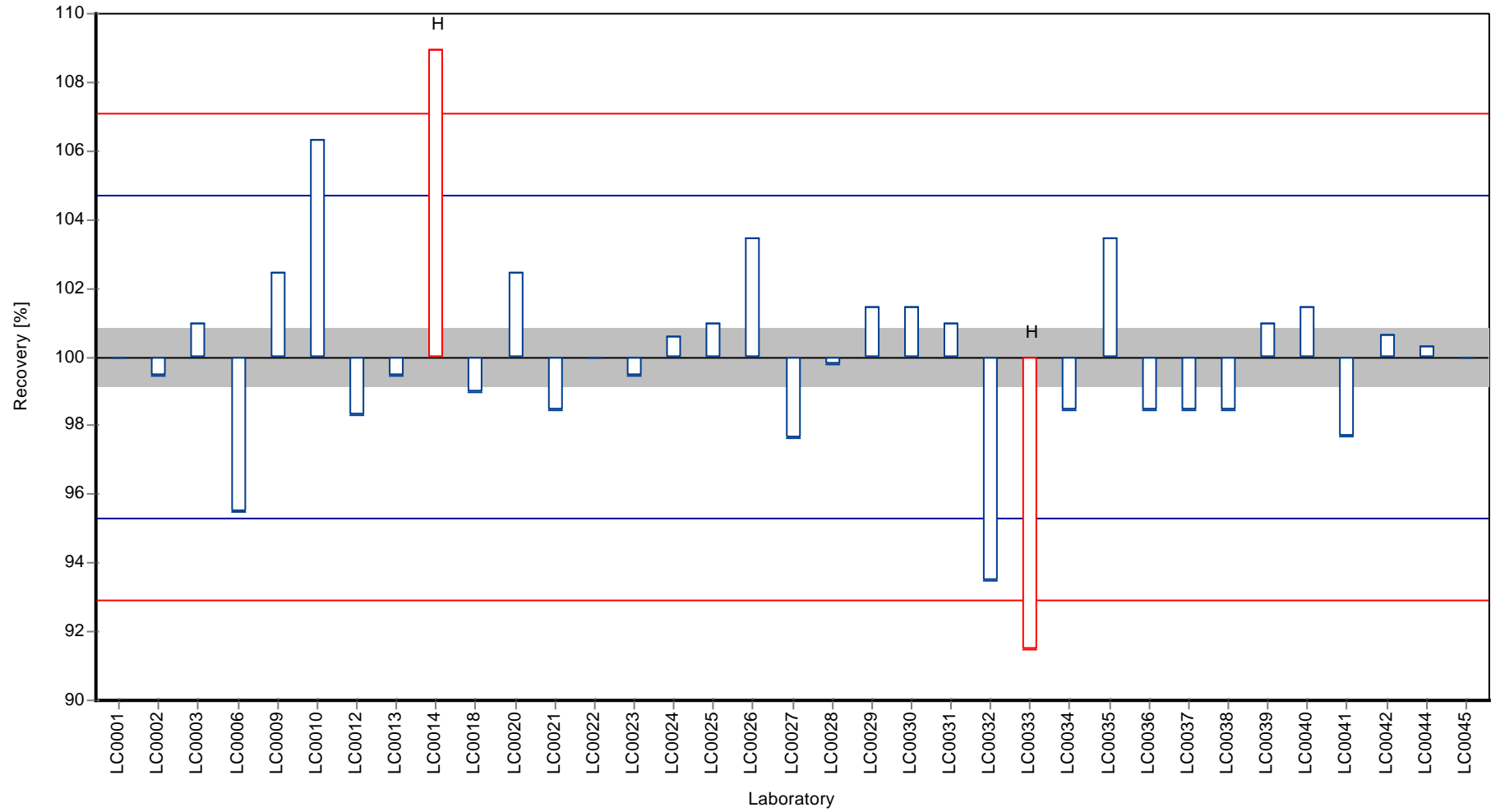
Graphical presentation of results

Results





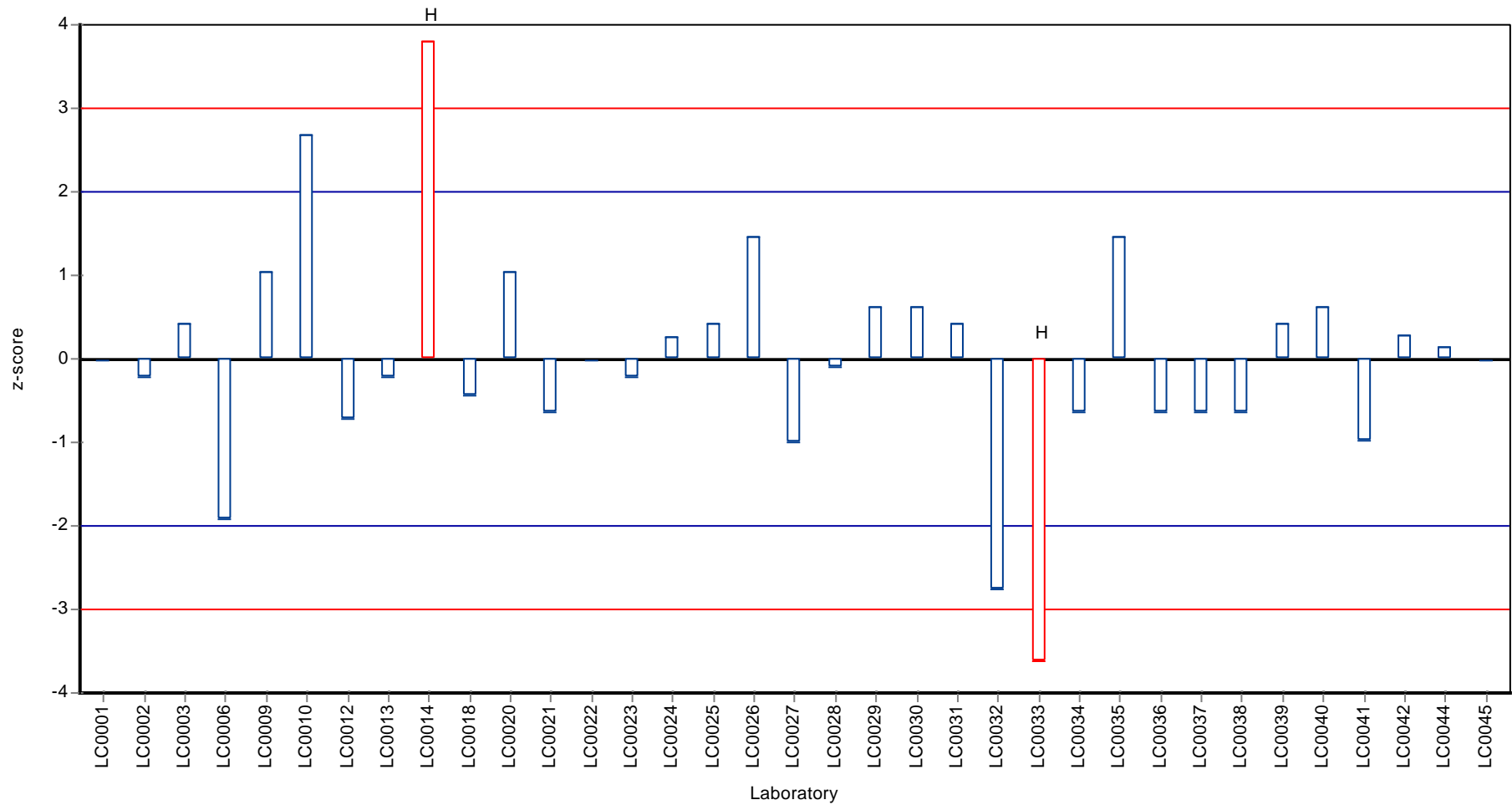
Recovery rate



Parameter oriented report Major ions N125

Sample: N125B, Parameter: Sodium

Z-score



## Parameter oriented report

### N125 A

#### Ammonium (as NH<sub>4</sub>)

Unit	mg/l
Mean ± CI (99%)	0.104 ± 0.00531
Minimum - Maximum	0.08 - 0.1203
Check value ± U	0.0982 ± 0.014

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.1203	0.0014	115.8	1.6	
LC0002	0.120	0.037	115.5	1.6	
LC0003	0.230	0.020	221.4	12.4	H
LC0004	-	-	-	-	
LC0005	0.095	-	91.4	-0.9	
LC0006	0.108	-	104.0	0.4	
LC0007	0.100	-	96.3	-0.4	
LC0008	0.100	0.004	96.3	-0.4	
LC0009	0.105	0.0158	101.1	0.1	
LC0010	0.100	-	96.3	-0.4	
LC0011	0.097	0.010	93.4	-0.7	
LC0012	0.108	0.010	104.0	0.4	
LC0013	0.110	0.010	105.9	0.6	
LC0014	0.115	0.012	110.7	1.1	
LC0015	-	-	-	-	
LC0016	-	-	-	-	
LC0017	0.120	0.014	115.5	1.6	
LC0018	0.0979	0.0098	94.2	-0.6	
LC0019	0.113	0.004	108.8	0.9	
LC0020	-	-	-	-	
LC0021	0.108	0.009	104.0	0.4	
LC0022	0.100	-	96.3	-0.4	
LC0023	0.087	0.009	83.7	-1.7	
LC0024	-	-	-	-	
LC0025	0.094	0.015	90.5	-1.0	
LC0026	0.099	0.005	95.3	-0.5	
LC0027	0.005	0.003	4.8	-9.7	H
LC0028	0.0077	0.0003	7.4	-9.5	H
LC0029	0.105	0.011	101.1	0.1	
LC0030	0.107	0.020	103.0	0.3	
LC0031	0.100	0.002	96.3	-0.4	
LC0032	0.089	0.008	85.7	-1.5	
LC0033	0.110	0.010	105.9	0.6	
LC0034	0.116	0.0093	111.7	1.2	
LC0035	0.115	0.0007	110.7	1.1	
LC0036	-	-	-	-	
LC0037	0.090	0.0008	86.6	-1.4	
LC0038	0.117	0.018	112.6	1.3	
LC0039	0.107	0.011	103.0	0.3	
LC0040	0.0395	0.0027	38.0	-6.3	H
LC0041	-	-	-	-	

Parameter oriented report Major ions N125

Sample: N125A, Parameter: Ammonium (as NH<sub>4</sub>)

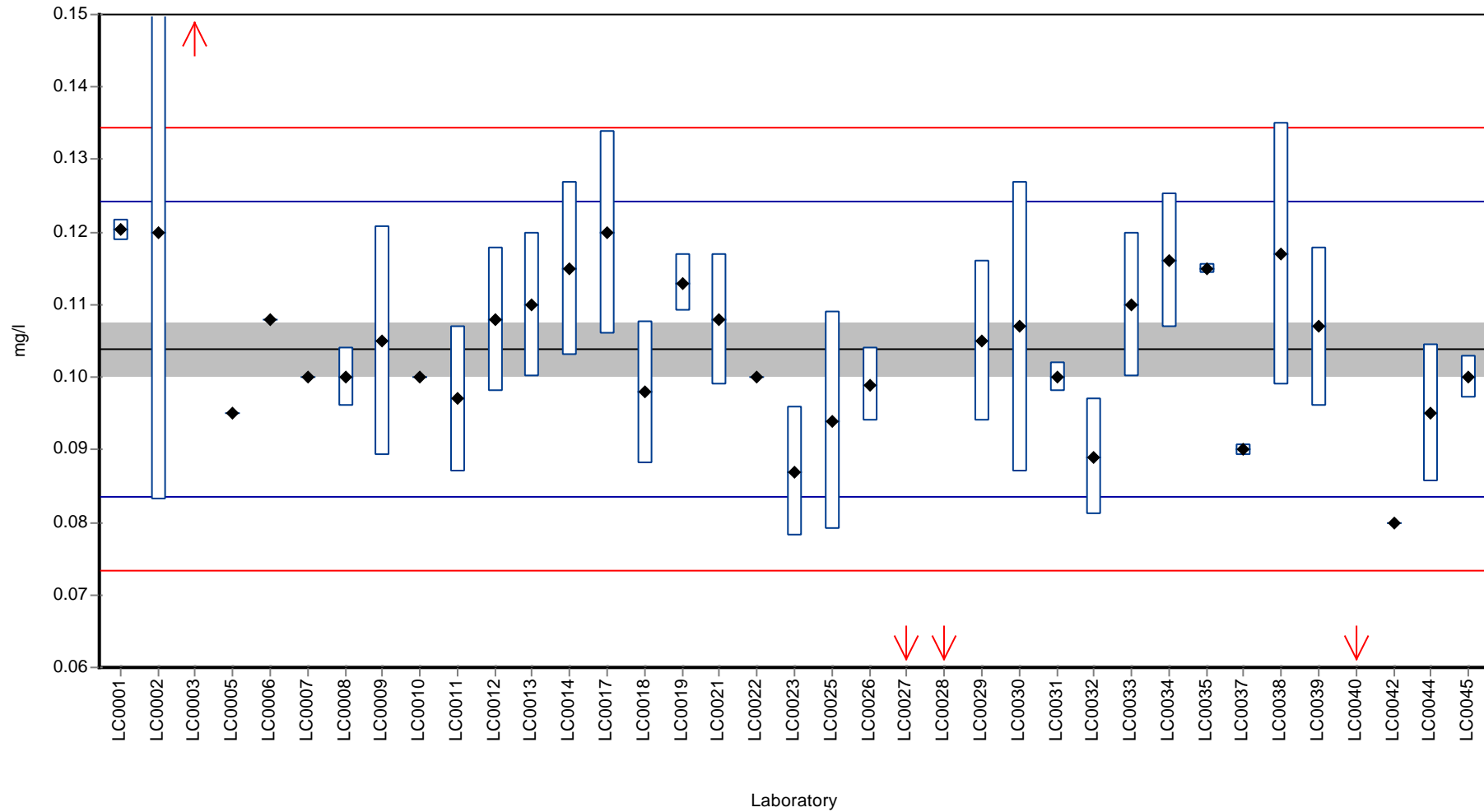
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	0.080	-	77.0	-2.3	
LC0043	-	-	-	-	
LC0044	0.095	0.0095	91.4	-0.9	
LC0045	0.100	0.003	96.3	-0.4	

#### Characteristics of parameter

	all results	without outliers	Unit
Mean ± CI (99%)	0.1 ± 0.0168	0.104 ± 0.00531	mg/l
Minimum	0.005	0.08	mg/l
Maximum	0.23	0.12	mg/l
Standard deviation	0.0341	0.0102	mg/l
rel. Standard deviation	34	9.79	%
n	37	33	-

Graphical presentation of results

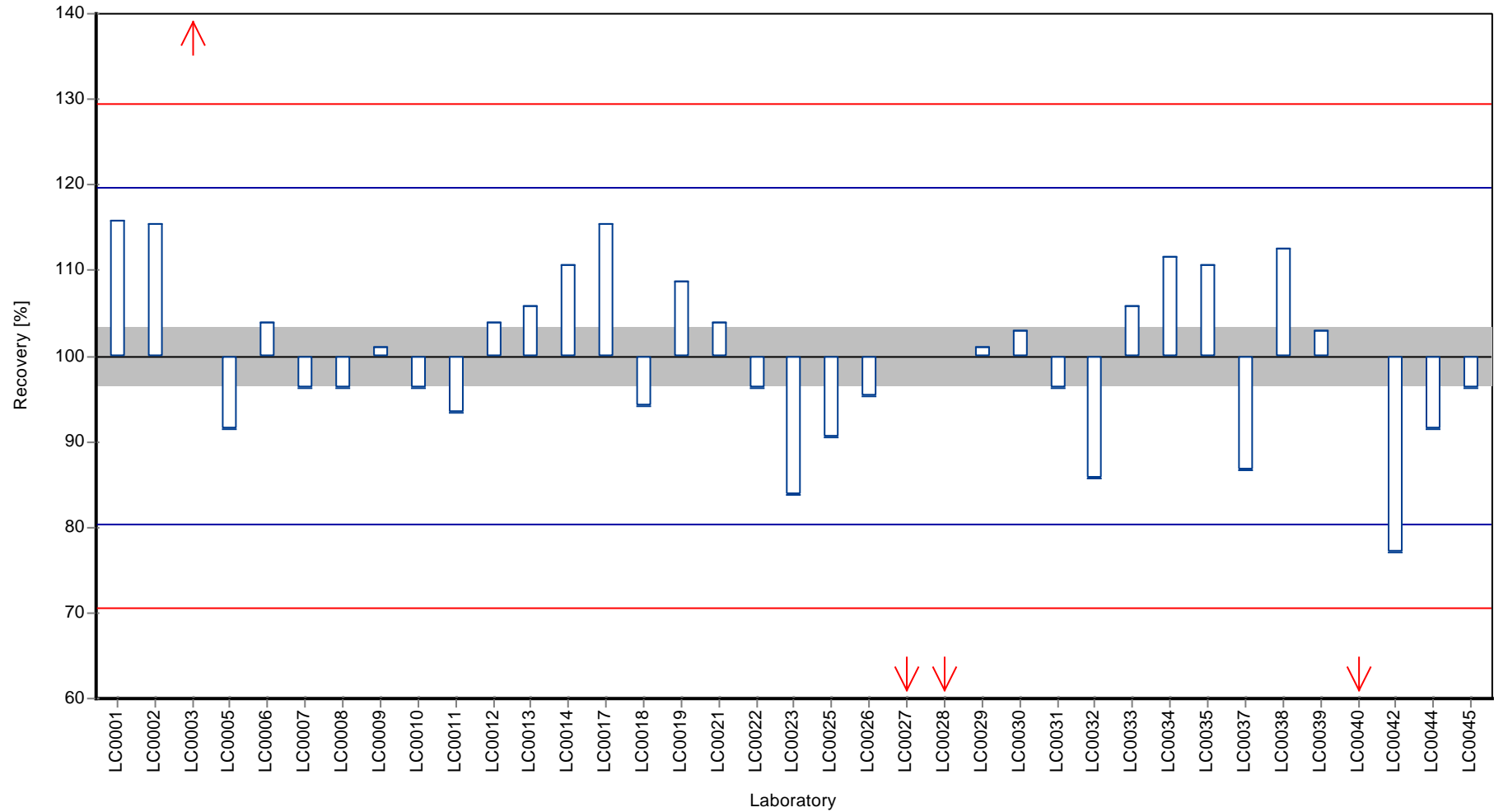
Results



Parameter oriented report Major ions N125

Sample: N125A, Parameter: Ammonium (as NH<sub>4</sub>)

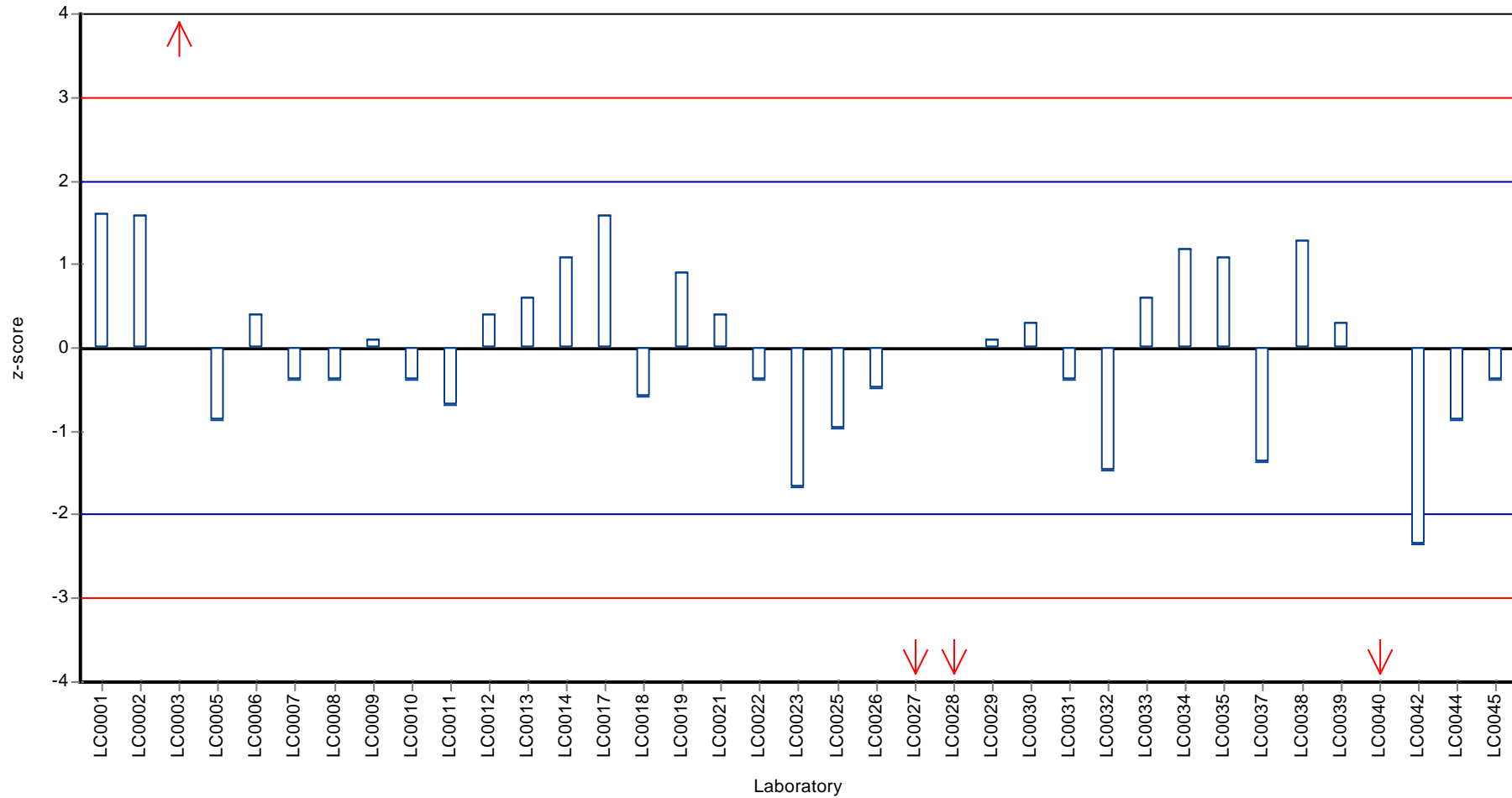
Recovery rate



Parameter oriented report Major ions N125

Sample: N125A, Parameter: Ammonium (as NH<sub>4</sub>)

Z-score



## Parameter oriented report

### N125 B

#### Ammonium (as NH<sub>4</sub>)

Unit	mg/l
Mean ± CI (99%)	0.0446 ± 0.00341
Minimum - Maximum	0.03 - 0.054
Check value ± U	0.044 ± 0.011

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.0515	0.0013	115.4	1.1	
LC0002	0.050	0.016	112.0	0.8	
LC0003	0.030	0.010	67.2	-2.2	
LC0004	-	-	-	-	
LC0005	0.046	-	103.1	0.2	
LC0006	0.054	-	121.0	1.4	
LC0007	0.040	-	89.6	-0.7	
LC0008	0.048	0.001	107.6	0.5	
LC0009	0.044	0.0066	98.6	-0.1	
LC0010	0.045	-	100.8	0.1	
LC0011	0.037	0.0038	82.9	-1.2	
LC0012	0.048	0.005	107.6	0.5	
LC0013	0.040	0.004	89.6	-0.7	
LC0014	0.0528	0.006	118.3	1.2	
LC0015	-	-	-	-	
LC0016	-	-	-	-	
LC0017	0.045	0.005	100.8	0.1	
LC0018	0.0421	0.0042	94.3	-0.4	
LC0019	0.054	0.002	121.0	1.4	
LC0020	-	-	-	-	
LC0021	0.045	0.004	100.8	0.1	
LC0022	0.050	-	112.0	0.8	
LC0023	0.053	0.005	118.8	1.3	
LC0024	-	-	-	-	
LC0025	0.036	0.011	80.7	-1.3	
LC0026	0.034	0.005	76.2	-1.6	
LC0027	0.005	0.004	11.2	-6.1	H
LC0028	0.0026	0.0001	5.8	-6.4	H
LC0029	0.046	0.007	103.1	0.2	
LC0030	0.047	0.008	105.3	0.4	
LC0031	0.037	0.002	82.9	-1.2	
LC0032	0.040	0.0036	89.6	-0.7	
LC0033	0.046	0.005	103.1	0.2	
LC0034	0.0514	0.0041	115.2	1.0	
LC0035	0.047	0.0007	105.3	0.4	
LC0036	-	-	-	-	
LC0037	0.030	0.0002	67.2	-2.2	
LC0038	0.048	0.010	107.6	0.5	
LC0039	0.045	0.005	100.8	0.1	
LC0040	< 0.0303 (LOQ)	-	-	-	
LC0041	-	-	-	-	



Parameter oriented report Major ions N125

Sample: N125B, Parameter: Ammonium (as NH<sub>4</sub>)

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	< 0.05 (LOQ)	-	-	-	
LC0043	-	-	-	-	
LC0044	0.040	0.004	89.6	-0.7	
LC0045	0.050	0.001	112.0	0.8	

**Characteristics of parameter**

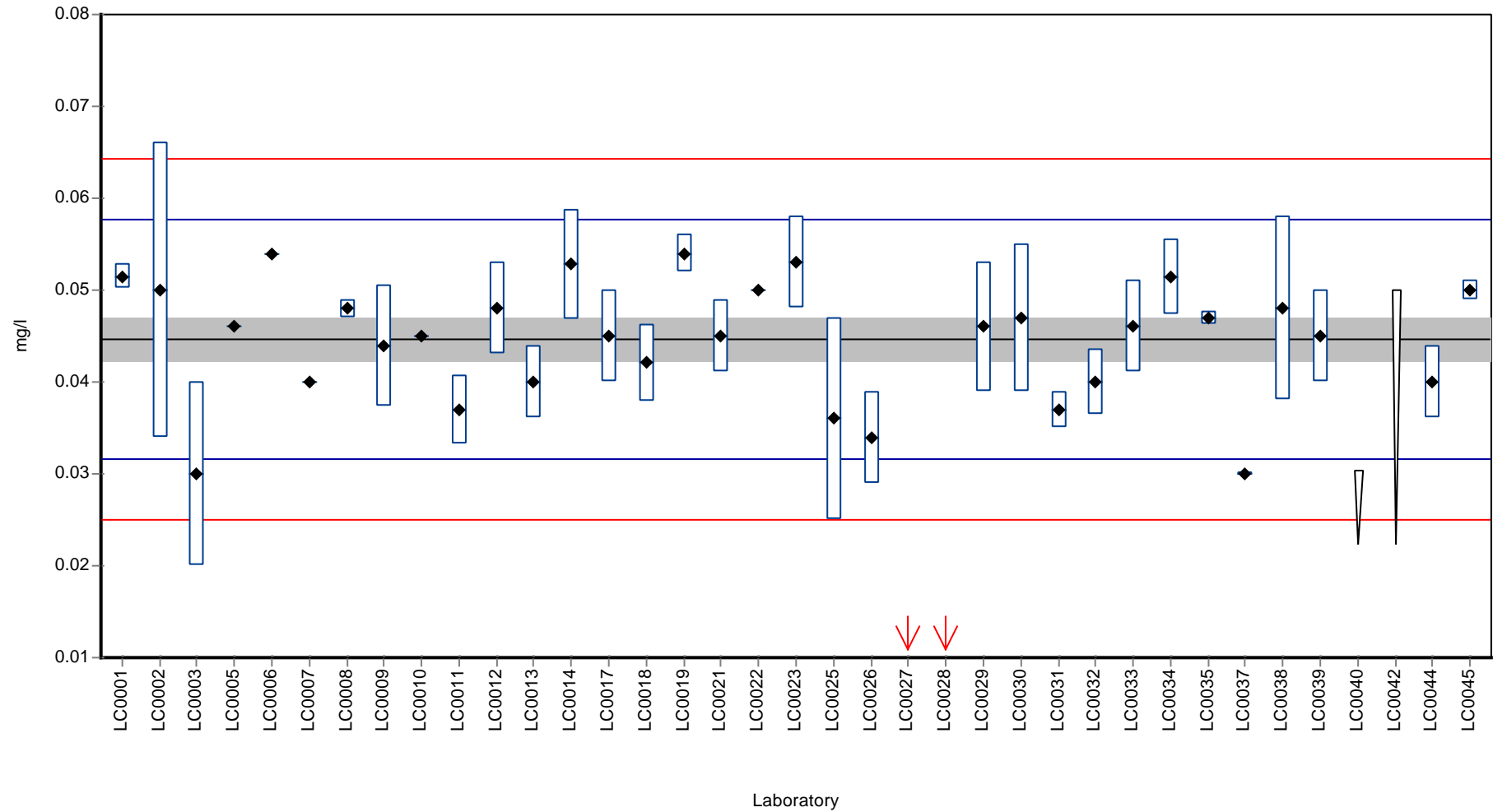
	all results	without outliers	Unit
Mean ± CI (99%)	0.0423 ± 0.00584	0.0446 ± 0.00341	mg/l
Minimum	0.00257	0.03	mg/l
Maximum	0.054	0.054	mg/l
Standard deviation	0.0115	0.00654	mg/l
rel. Standard deviation	27.3	14.7	%
n	35	33	-

Parameter oriented report Major ions N125

Sample: N125B, Parameter: Ammonium (as NH<sub>4</sub>)

Graphical presentation of results

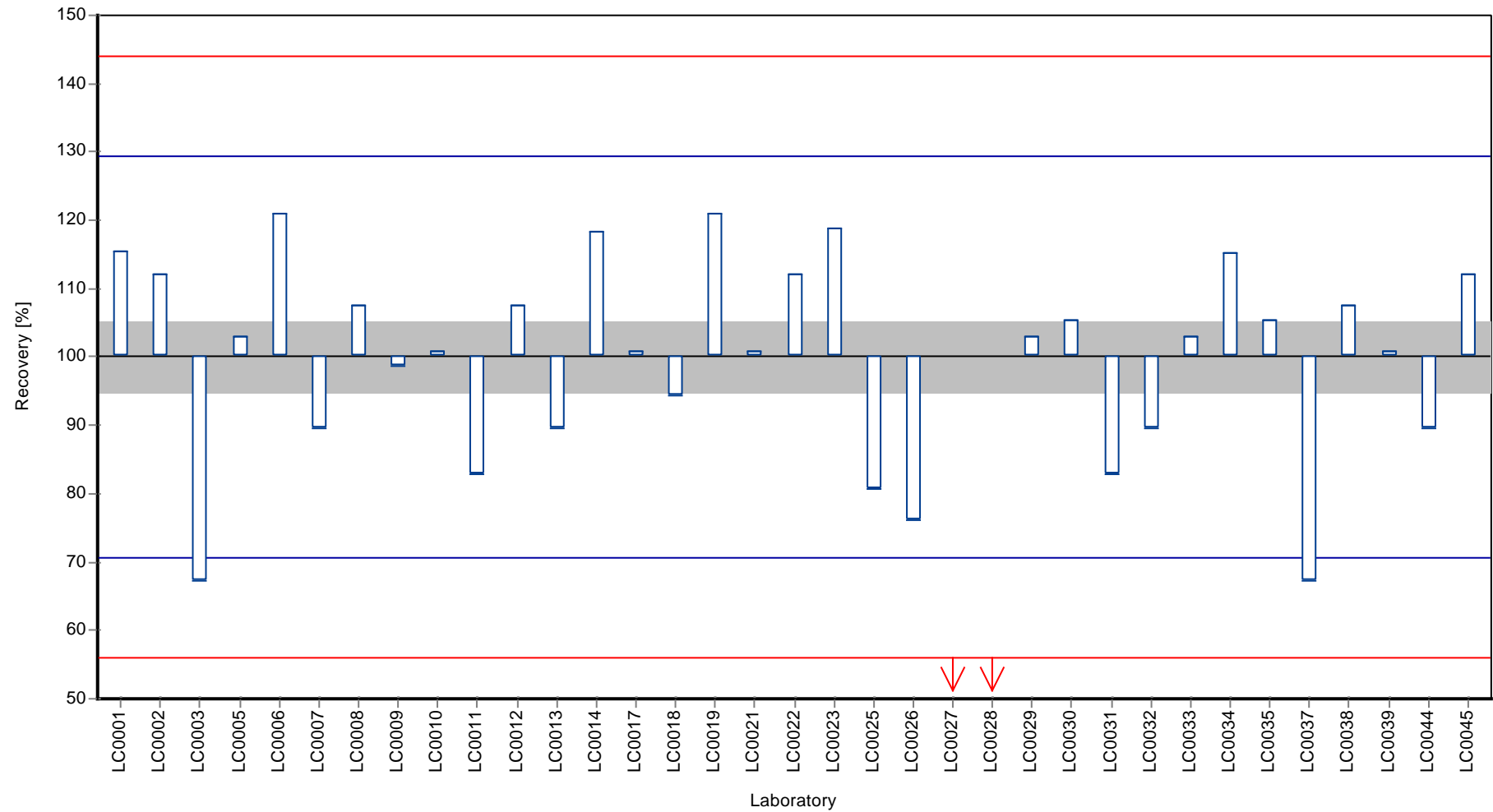
Results



Parameter oriented report Major ions N125

Sample: N125B, Parameter: Ammonium (as NH<sub>4</sub>)

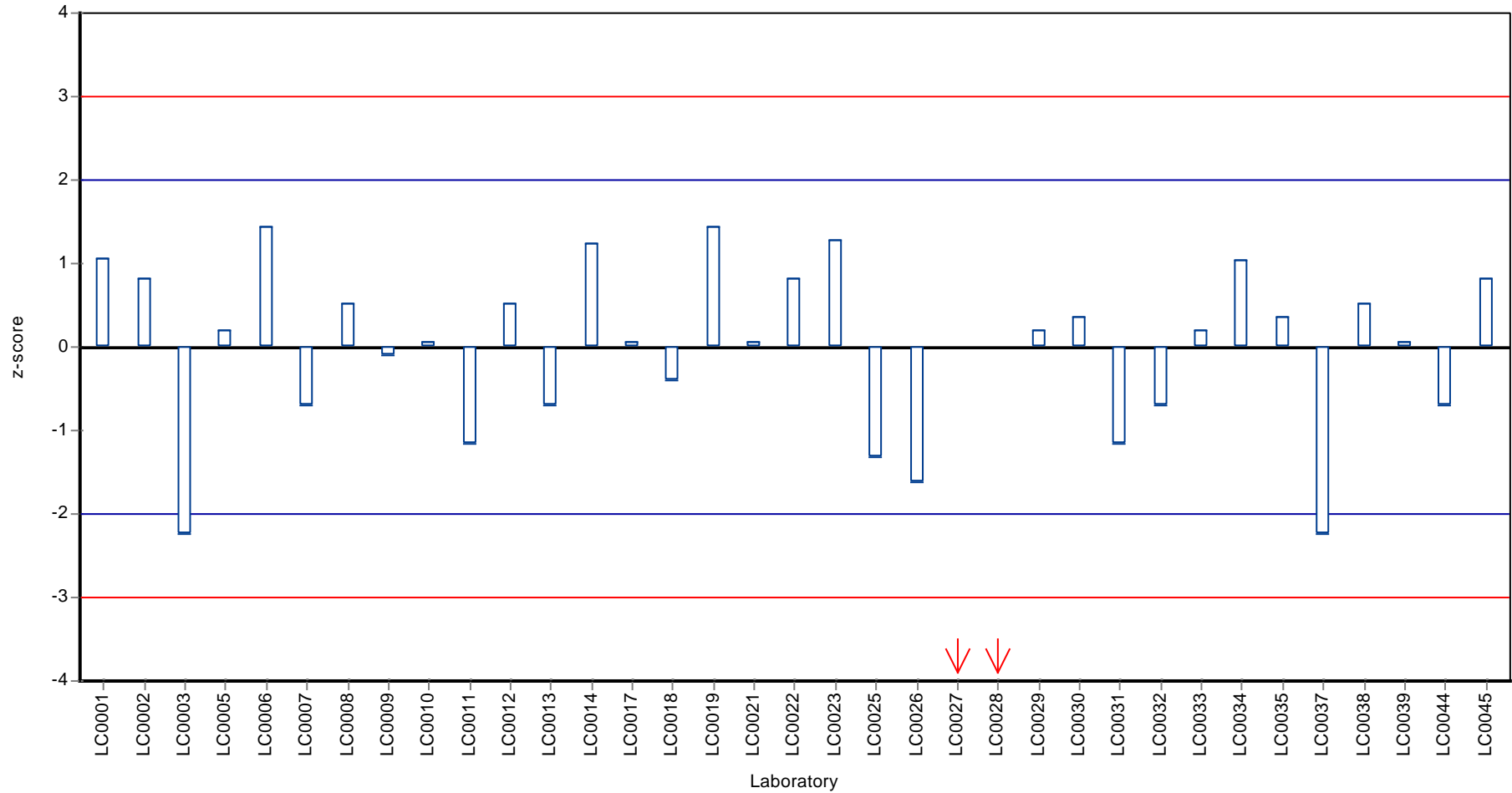
**Recovery rate**



Parameter oriented report Major ions N125

Sample: N125B, Parameter: Ammonium (as NH<sub>4</sub>)

Z-score



## Parameter oriented report

### N125 A

#### Nitrite (as NO<sub>2</sub>)

Unit	mg/l
Mean ± CI (99%)	0.18 ± 0.00409
Minimum - Maximum	0.16 - 0.1971
Check value ± U	-

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.1818	0.0007	101.2	0.3	
LC0002	0.179	0.018	99.6	-0.1	
LC0003	0.190	0.020	105.7	1.4	
LC0004	-	-	-	-	
LC0005	0.177	-	98.5	-0.4	
LC0006	0.160	-	89.0	-2.7	
LC0007	0.180	-	100.2	0.0	
LC0008	-	-	-	-	
LC0009	0.177	0.0266	98.5	-0.4	
LC0010	0.040	-	22.3	-19.4	H
LC0011	0.170	0.018	94.6	-1.3	
LC0012	0.183	0.020	101.8	0.5	
LC0013	0.067	0.010	37.3	-15.6	H
LC0014	0.187	0.018	104.1	1.0	
LC0015	-	-	-	-	
LC0016	<0.5 (LOD)	-	-	-	
LC0017	-	-	-	-	
LC0018	0.176	0.0352	97.9	-0.5	
LC0019	0.204	0.042	113.5	3.4	H
LC0020	-	-	-	-	
LC0021	0.177	0.011	98.5	-0.4	
LC0022	0.174	-	96.8	-0.8	
LC0023	0.184	0.009	102.4	0.6	
LC0024	-	-	-	-	
LC0025	0.169	0.017	94.0	-1.5	
LC0026	0.183	0.005	101.8	0.5	
LC0027	-	-	-	-	
LC0028	0.1971	0.0007	109.7	2.4	
LC0029	0.188	0.019	104.6	1.1	
LC0030	0.188	0.020	104.6	1.1	
LC0031	0.180	0.0015	100.2	0.0	
LC0032	0.176	0.007	97.9	-0.5	
LC0033	0.180	0.020	100.2	0.0	
LC0034	0.181	0.0217	100.7	0.2	
LC0035	0.182	0.001	101.3	0.3	
LC0036	-	-	-	-	
LC0037	<0.2 (LOD)	-	-	-	
LC0038	0.184	0.017	102.4	0.6	
LC0039	0.179	0.018	99.6	-0.1	
LC0040	0.133	0.017	74.0	-6.5	H
LC0041	-	-	-	-	

Parameter oriented report Major ions N125

Sample: N125A, Parameter: Nitrite (as NO<sub>2</sub>)

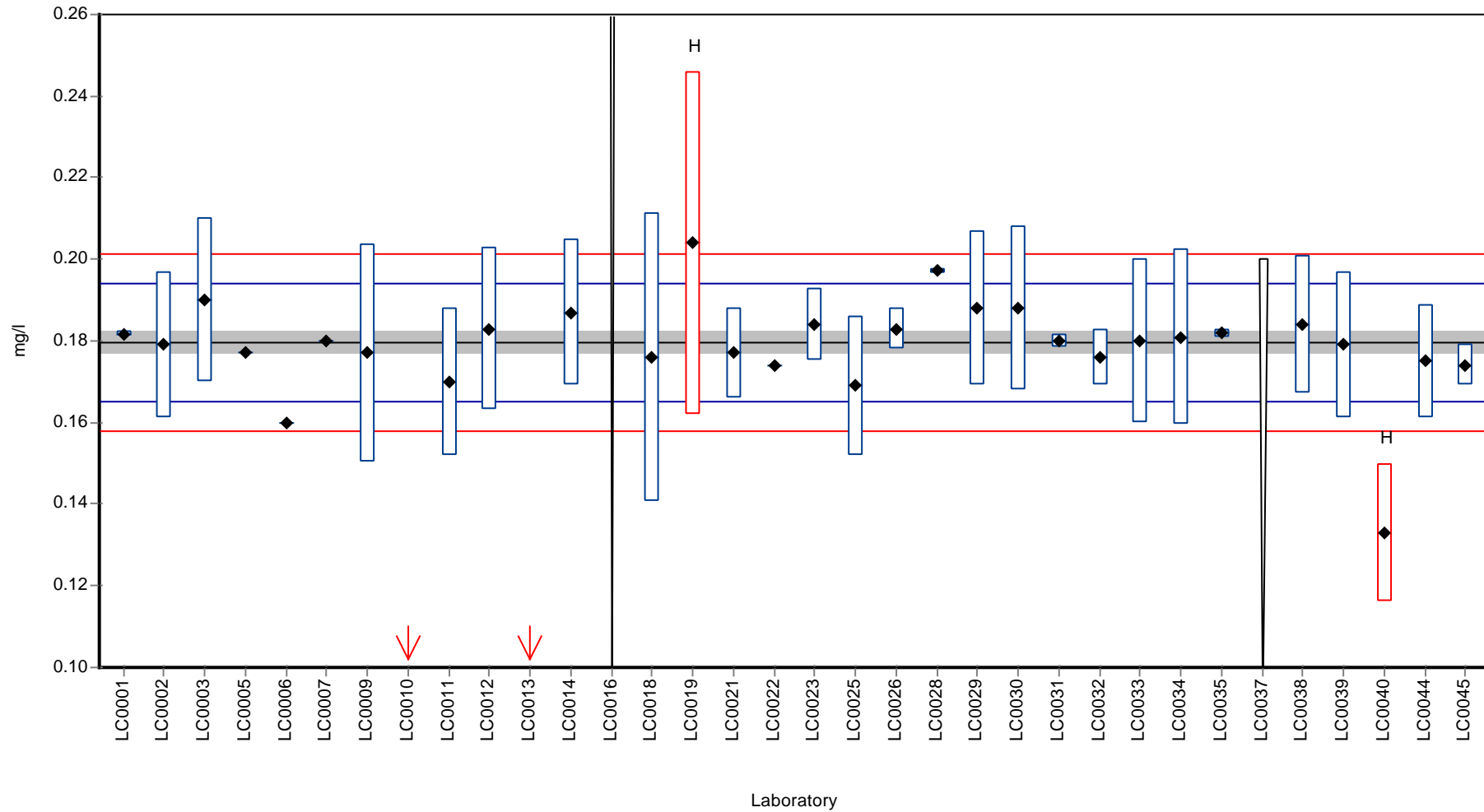
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	-	-	-	-	
LC0043	-	-	-	-	
LC0044	0.175	0.014	97.4	-0.7	
LC0045	0.174	0.005	96.8	-0.8	

#### Characteristics of parameter

	all results	without outliers	Unit
Mean ± CI (99%)	0.171 ± 0.0176	0.18 ± 0.00409	mg/l
Minimum	0.04	0.16	mg/l
Maximum	0.204	0.197	mg/l
Standard deviation	0.0331	0.00721	mg/l
rel. Standard deviation	19.4	4.01	%
n	32	28	-

Graphical presentation of results

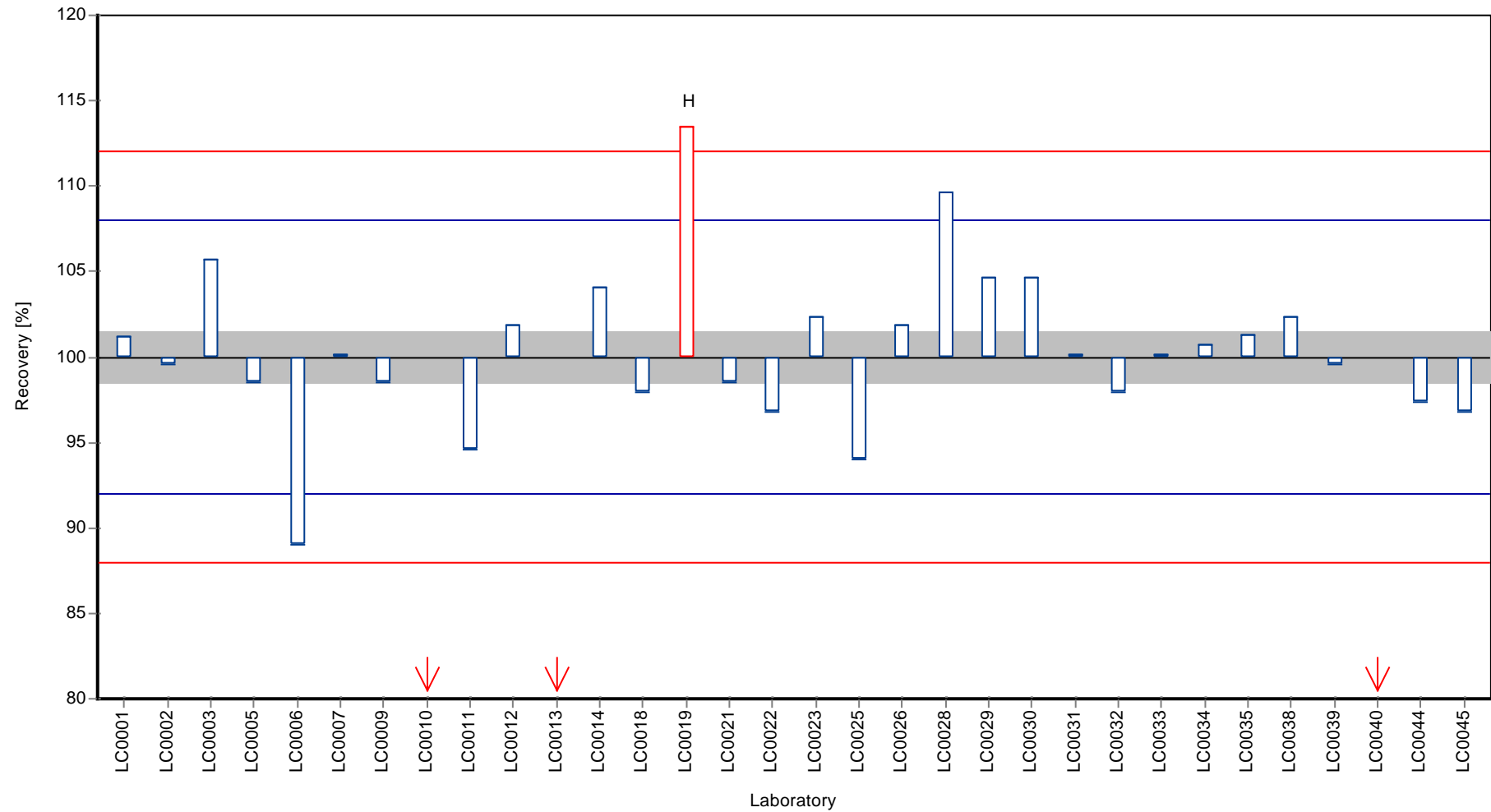
Results



Parameter oriented report Major ions N125

Sample: N125A, Parameter: Nitrite (as NO<sub>2</sub>)

Recovery rate

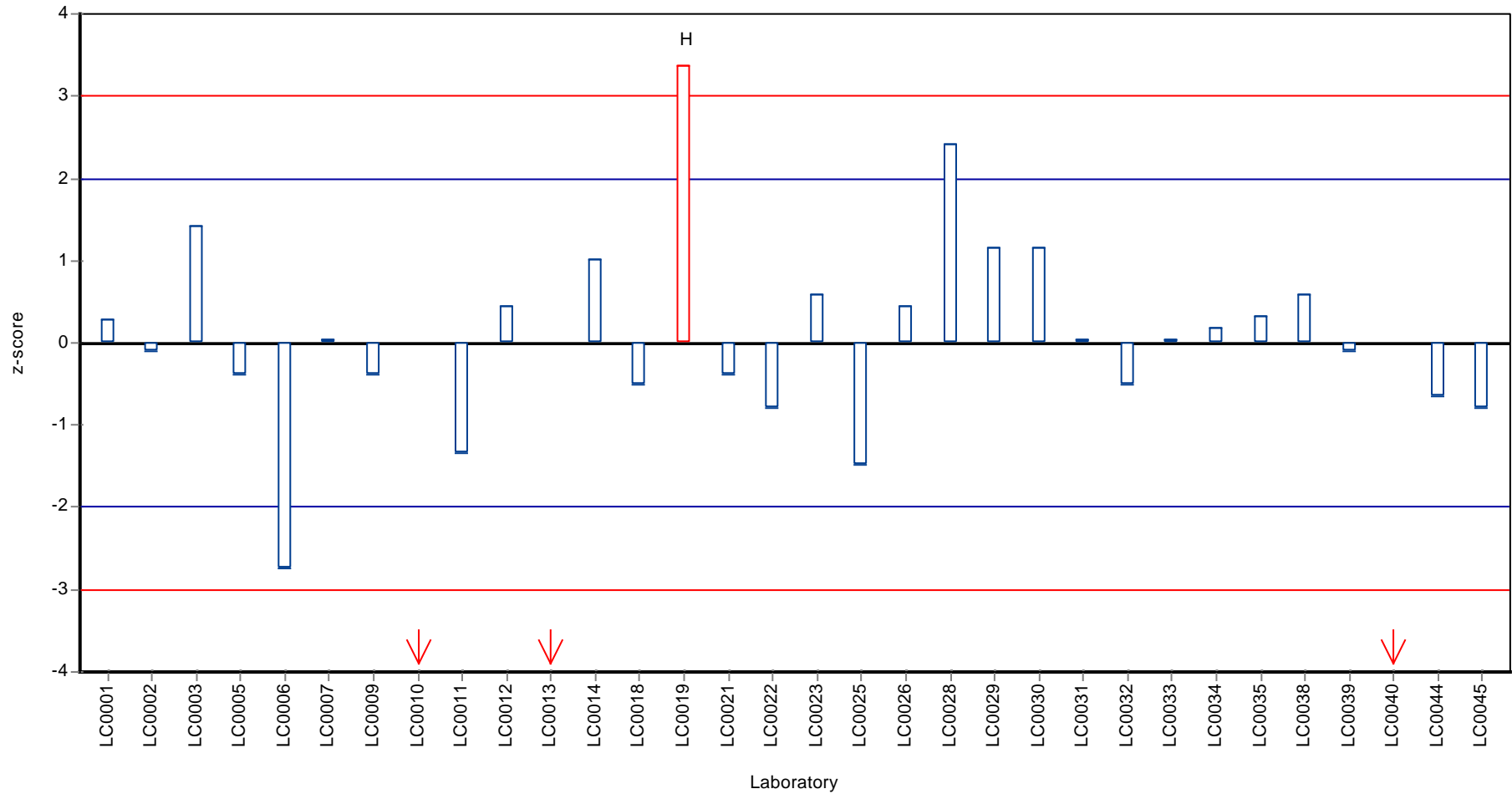




Parameter oriented report Major ions N125

Sample: N125A, Parameter: Nitrite (as NO<sub>2</sub>)

Z-score



## Parameter oriented report

### N125 B

#### Nitrite (as NO<sub>2</sub>)

Unit	mg/l
Mean ± CI (99%)	0.0677 ± 0.00219
Minimum - Maximum	0.06 - 0.077
Check value ± U	-

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.0697	0.0006	103.0	0.5	
LC0002	0.069	0.007	102.0	0.3	
LC0003	0.070	0.010	103.5	0.6	
LC0004	-	-	-	-	
LC0005	0.066	-	97.5	-0.4	
LC0006	0.060	-	88.7	-1.9	
LC0007	0.068	-	100.5	0.1	
LC0008	-	-	-	-	
LC0009	0.070	0.0105	103.5	0.6	
LC0010	0.070	-	103.5	0.6	
LC0011	0.064	0.0069	94.6	-0.9	
LC0012	0.068	0.007	100.5	0.1	
LC0013	0.185	0.020	273.4	29.8	H
LC0014	0.068	0.007	100.5	0.1	
LC0015	-	-	-	-	
LC0016	<0.5 (LOD)	-	-	-	
LC0017	-	-	-	-	
LC0018	0.0688	0.0138	101.7	0.3	
LC0019	0.095	0.020	140.4	6.9	H
LC0020	-	-	-	-	
LC0021	0.066	0.005	97.5	-0.4	
LC0022	0.066	-	97.5	-0.4	
LC0023	0.077	0.004	113.8	2.4	
LC0024	-	-	-	-	
LC0025	0.060	0.008	88.7	-1.9	
LC0026	0.067	0.005	99.0	-0.2	
LC0027	-	-	-	-	
LC0028	0.0657	0.0003	97.1	-0.5	
LC0029	0.071	0.0107	104.9	0.8	
LC0030	0.068	0.007	100.5	0.1	
LC0031	0.072	0.0015	106.4	1.1	
LC0032	0.064	0.0026	94.6	-0.9	
LC0033	0.065	0.007	96.1	-0.7	
LC0034	0.077	0.0092	113.8	2.4	
LC0035	0.069	0.0005	102.0	0.3	
LC0036	-	-	-	-	
LC0037	<0.2 (LOD)	-	-	-	
LC0038	0.069	0.007	102.0	0.3	
LC0039	0.066	0.007	97.5	-0.4	
LC0040	0.032	0.004	47.3	-9.1	H
LC0041	-	-	-	-	

Parameter oriented report Major ions N125

Sample: N125B, Parameter: Nitrite (as NO<sub>2</sub>)

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	-	-	-	-	
LC0043	-	-	-	-	
LC0044	0.062	0.005	91.6	-1.4	
LC0045	0.066	0.002	97.5	-0.4	

#### Characteristics of parameter

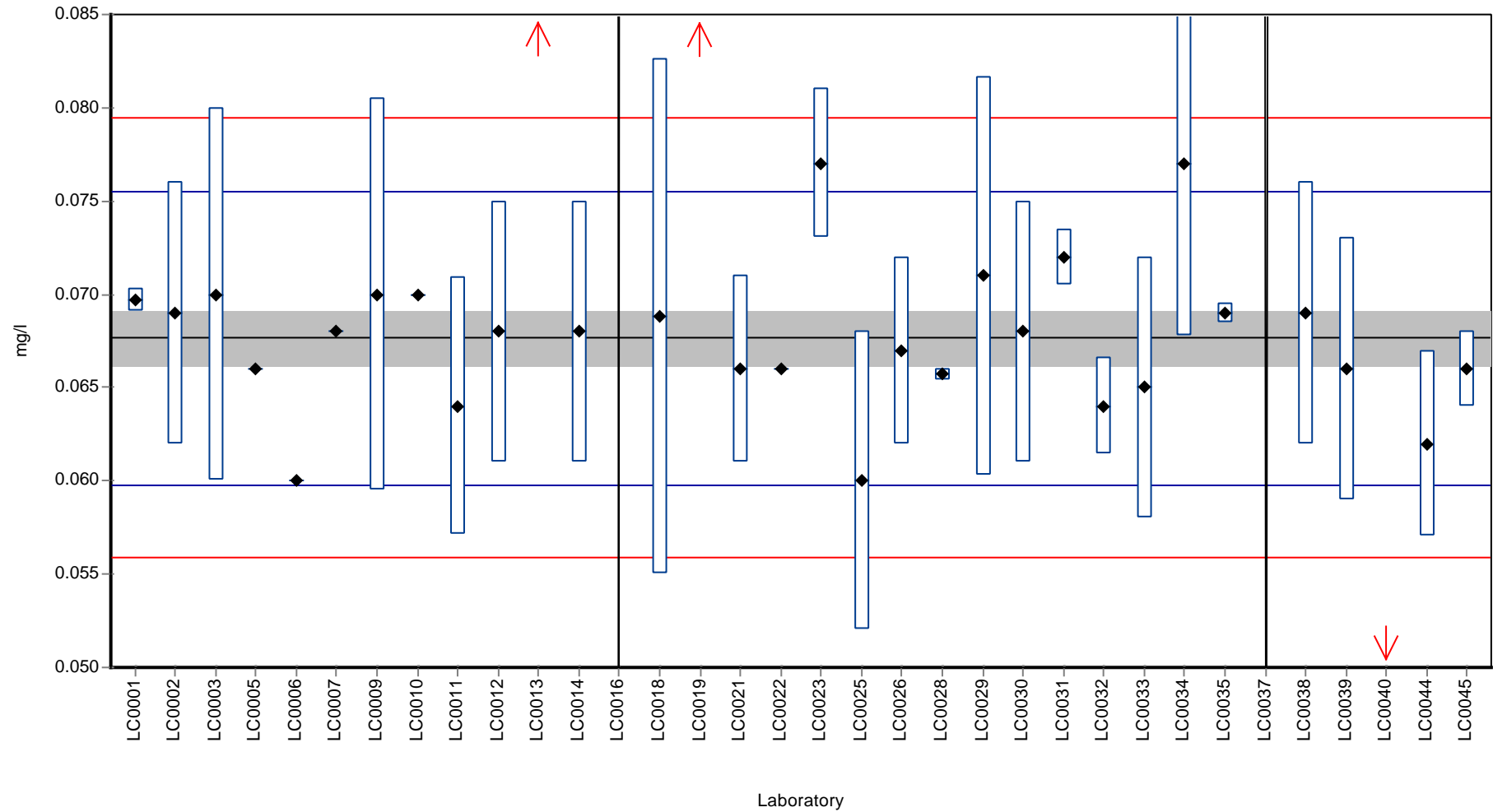
	all results	without outliers	Unit
Mean ± CI (99%)	0.0711 ± 0.012	0.0677 ± 0.00219	mg/l
Minimum	0.032	0.06	mg/l
Maximum	0.185	0.077	mg/l
Standard deviation	0.0226	0.00393	mg/l
rel. Standard deviation	31.8	5.82 %	
n	32	29	-

Parameter oriented report Major ions N125

Sample: N125B, Parameter: Nitrite (as NO<sub>2</sub>)

Graphical presentation of results

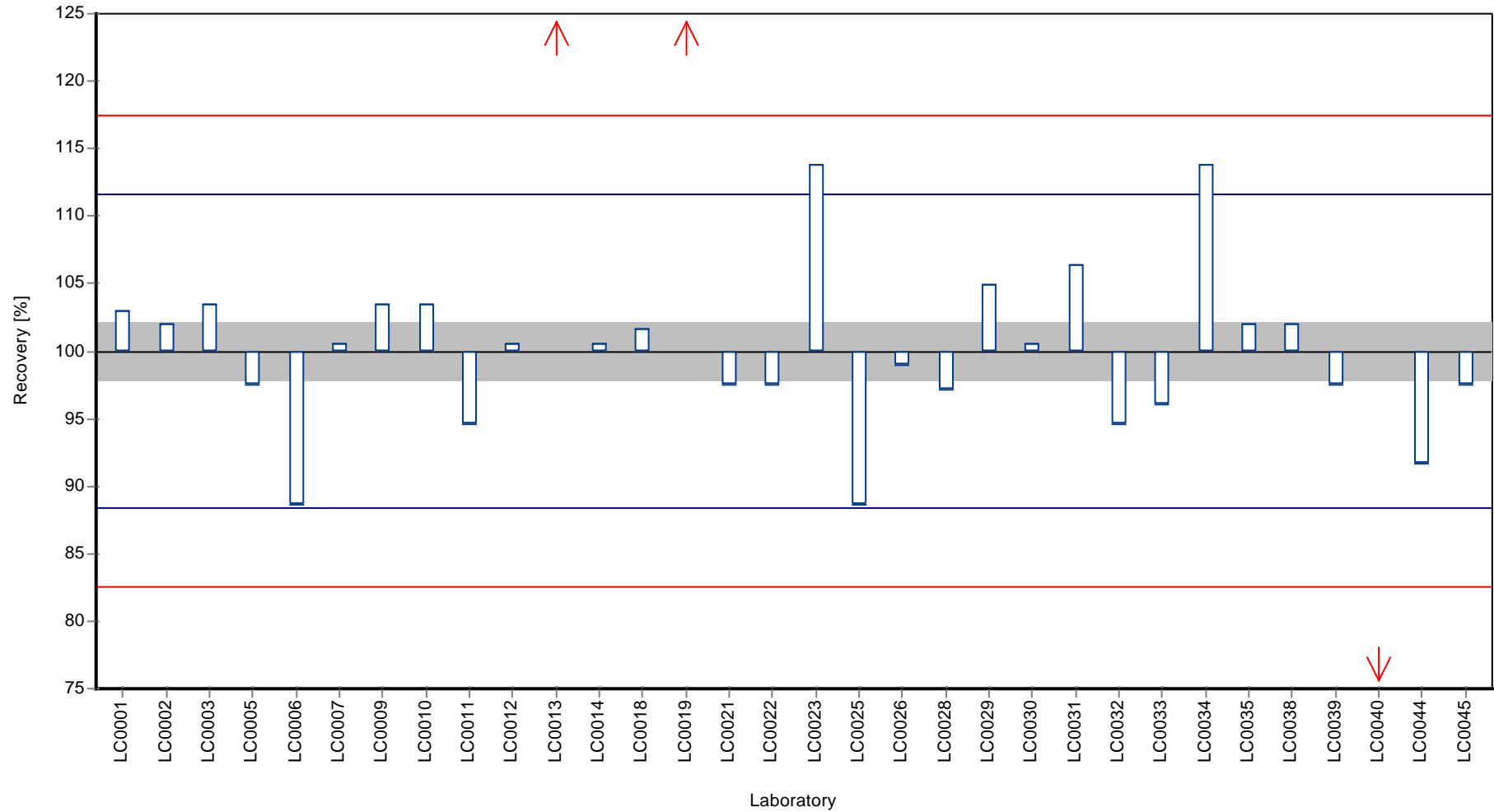
Results



Parameter oriented report Major ions N125

Sample: N125B, Parameter: Nitrite (as NO<sub>2</sub>)

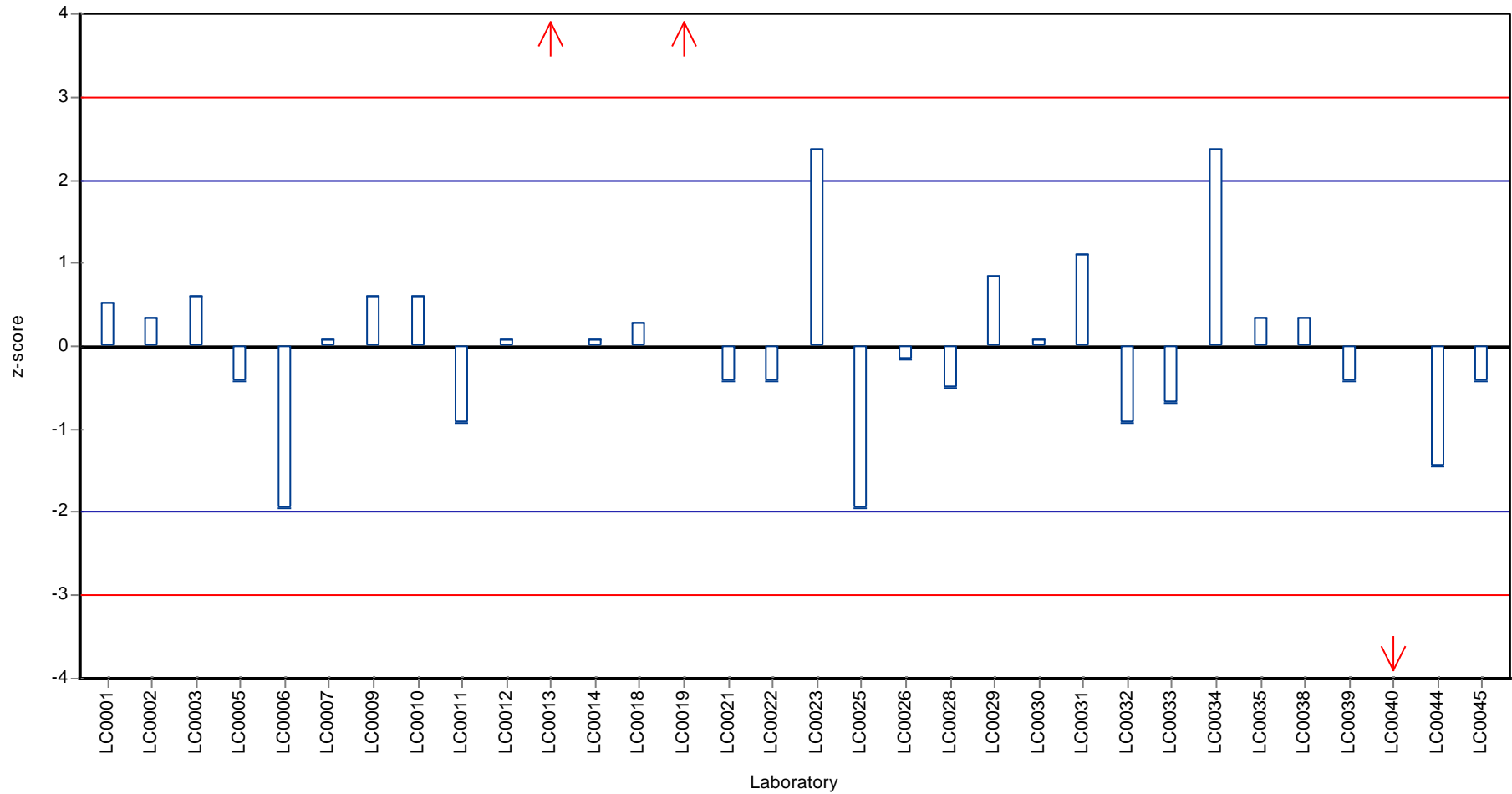
Recovery rate



Parameter oriented report Major ions N125

Sample: N125B, Parameter: Nitrite (as NO<sub>2</sub>)

Z-score



## Parameter oriented report

### N125 A

#### Nitrate (as NO<sub>3</sub>)

Unit	mg/l
Mean ± CI (99%)	7.47 ± 0.133
Minimum - Maximum	7 - 8.05
Check value ± U	7.42 ± 0.22

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	7.680	0.140	102.8	0.8	
LC0002	7.500	0.300	100.4	0.1	
LC0003	7.100	0.800	95.0	-1.5	
LC0004	-	-	-	-	
LC0005	7.570	-	101.3	0.4	
LC0006	7.230	-	96.8	-1.0	
LC0007	6.760	-	90.5	-2.9	H
LC0008	7.660	-	102.5	0.8	
LC0009	8.500	1.275	113.8	4.2	H
LC0010	7.360	-	98.5	-0.5	
LC0011	-	-	-	-	
LC0012	7.200	0.400	96.4	-1.1	
LC0013	7.100	0.640	95.0	-1.5	
LC0014	7.260	0.700	97.2	-0.9	
LC0015	-	-	-	-	
LC0016	9.000	-	120.4	6.2	H
LC0017	-	-	-	-	
LC0018	7.000	0.280	93.7	-1.9	
LC0019	7.920	0.180	106.0	1.8	
LC0020	-	-	-	-	
LC0021	7.520	0.380	100.6	0.2	
LC0022	7.500	-	100.4	0.1	
LC0023	7.600	0.400	101.7	0.5	
LC0024	-	-	-	-	
LC0025	7.600	0.900	101.7	0.5	
LC0026	7.420	2.000	99.3	-0.2	
LC0027	-	-	-	-	
LC0028	7.900	0.400	105.7	1.7	
LC0029	7.550	0.760	101.0	0.3	
LC0030	7.590	0.600	101.6	0.5	
LC0031	8.800	0.200	117.8	5.4	H
LC0032	7.200	0.432	96.4	-1.1	
LC0033	7.440	0.740	99.6	-0.1	
LC0034	8.050	0.966	107.7	2.3	
LC0035	7.230	0.090	96.8	-1.0	
LC0036	-	-	-	-	
LC0037	7.300	0.120	97.7	-0.7	
LC0038	7.310	0.660	97.8	-0.7	
LC0039	7.630	0.763	102.1	0.6	
LC0040	7.640	0.780	102.2	0.7	
LC0041	7.410	0.080	99.2	-0.3	

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	-	-	-	-	
LC0043	-	-	-	-	
LC0044	7.569	0.3027	101.3	0.4	
LC0045	7.600	0.200	101.7	0.5	

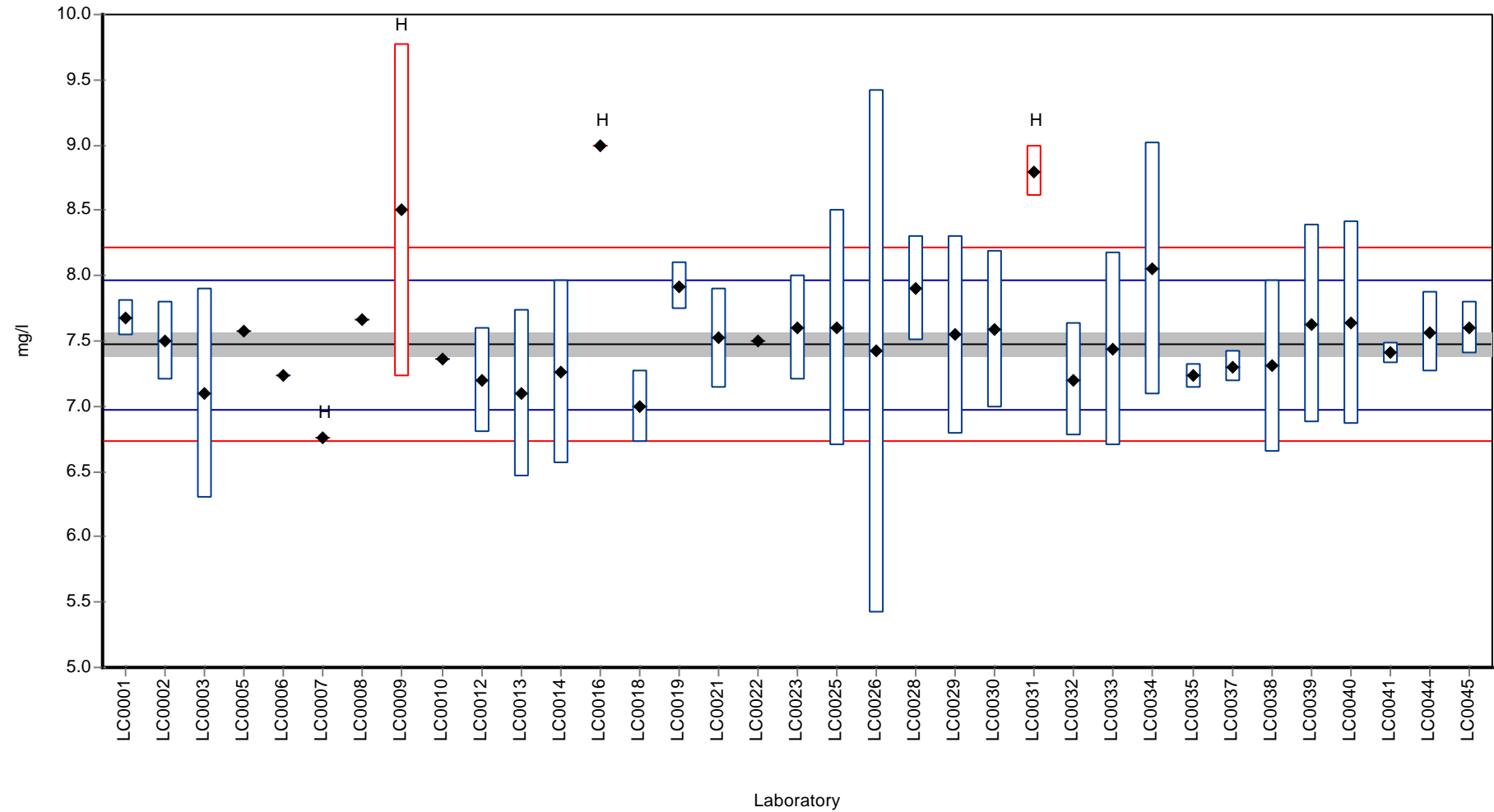
#### Characteristics of parameter

	all results	without outliers	Unit
Mean ± CI (99%)	7.56 ± 0.233	7.47 ± 0.133	mg/l
Minimum	6.76	7	mg/l
Maximum	9	8.05	mg/l
Standard deviation	0.46	0.247	mg/l
rel. Standard deviation	6.09	3.3	%
n	35	31	-



Graphical presentation of results

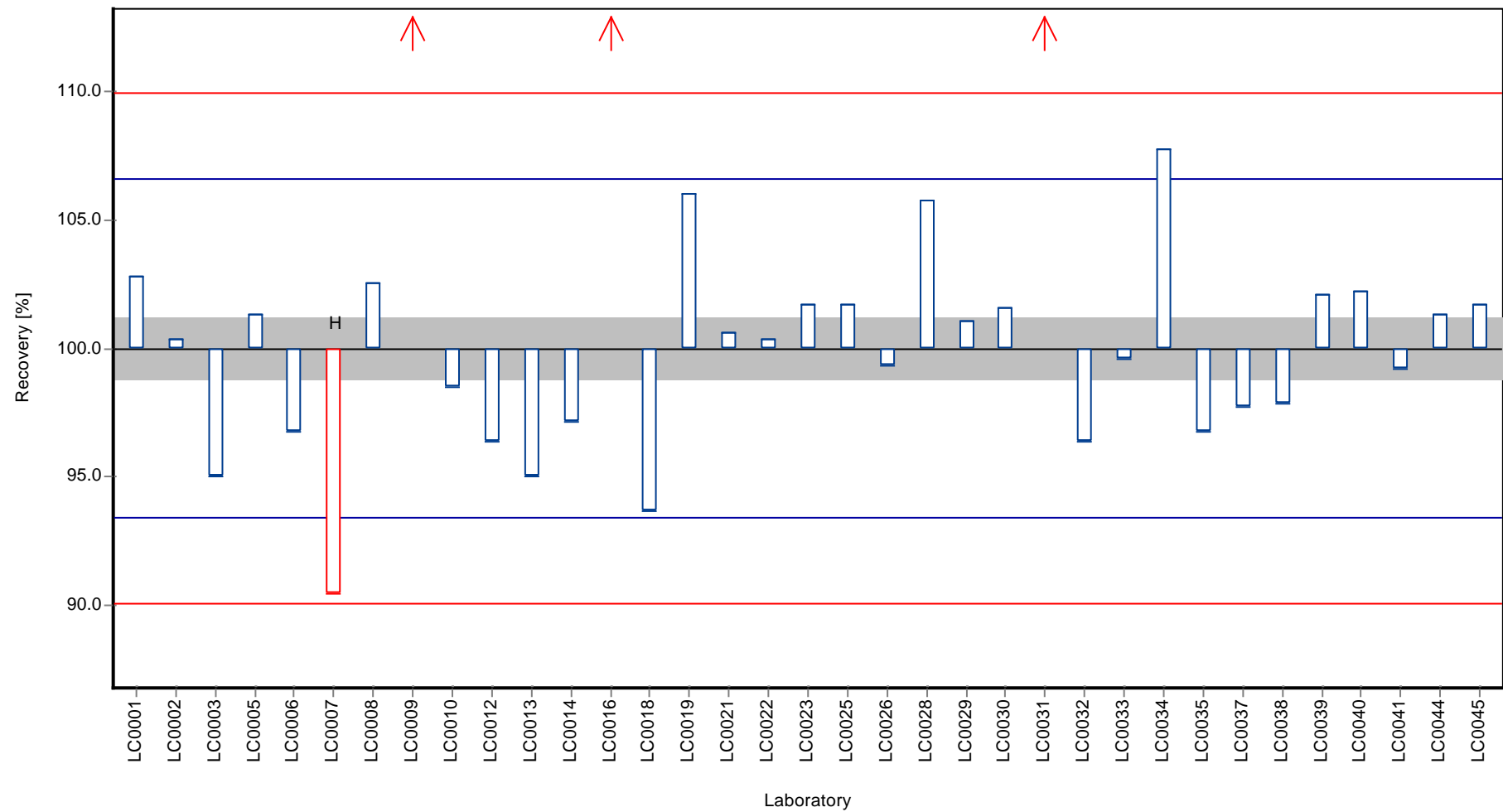
Results



Parameter oriented report Major ions N125

Sample: N125A, Parameter: Nitrate (as NO3)

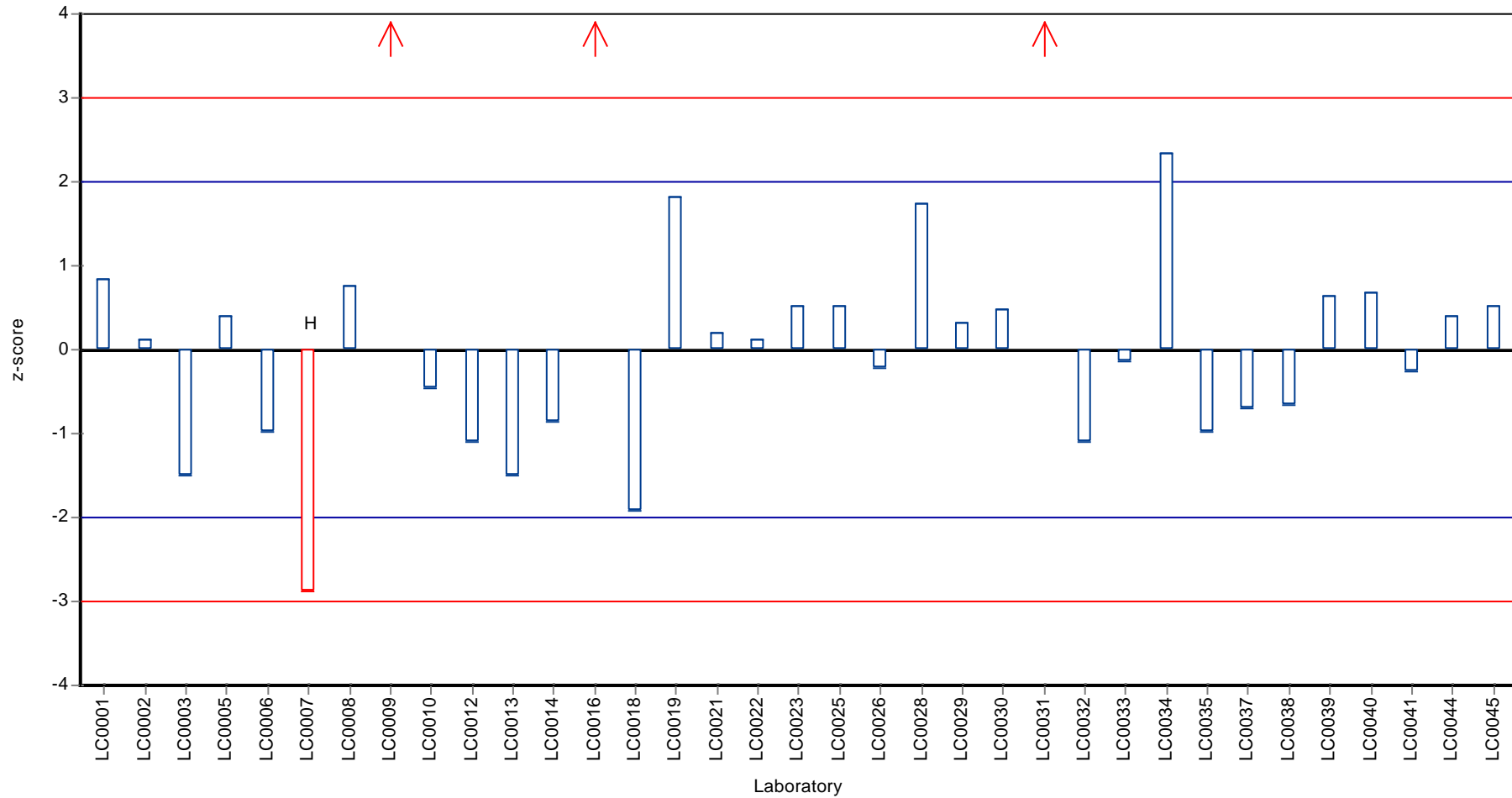
Recovery rate



Parameter oriented report Major ions N125

Sample: N125A, Parameter: Nitrate (as NO<sub>3</sub>)

Z-score



## Parameter oriented report

### N125 B

#### Nitrate (as NO3)

Unit	mg/l
Mean ± CI (99%)	12 ± 0.18
Minimum - Maximum	11.4 - 12.9
Check value ± U	12.00 ± 1.2

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	12.300	0.130	102.2	0.8	
LC0002	11.900	0.500	98.8	-0.4	
LC0003	11.800	1.000	98.0	-0.7	
LC0004	-	-	-	-	
LC0005	11.900	-	98.8	-0.4	
LC0006	11.700	-	97.2	-1.0	
LC0007	10.700	-	88.9	-3.9	H
LC0008	12.520	0.040	104.0	1.4	
LC0009	12.900	1.935	107.1	2.5	
LC0010	11.800	-	98.0	-0.7	
LC0011	-	-	-	-	
LC0012	11.540	0.600	95.8	-1.5	
LC0013	11.400	1.030	94.7	-1.9	
LC0014	11.500	1.100	95.5	-1.6	
LC0015	-	-	-	-	
LC0016	12.500	-	103.8	1.3	
LC0017	-	-	-	-	
LC0018	11.600	0.464	96.3	-1.3	
LC0019	12.400	0.281	103.0	1.0	
LC0020	-	-	-	-	
LC0021	11.900	0.600	98.8	-0.4	
LC0022	12.000	-	99.7	-0.1	
LC0023	12.100	0.600	100.5	0.2	
LC0024	-	-	-	-	
LC0025	12.300	0.700	102.2	0.8	
LC0026	12.100	2.000	100.5	0.2	
LC0027	-	-	-	-	
LC0028	12.500	0.180	103.8	1.3	
LC0029	12.100	1.200	100.5	0.2	
LC0030	12.200	0.900	101.3	0.5	
LC0031	13.000	0.220	108.0	2.8	H
LC0032	11.700	0.702	97.2	-1.0	
LC0033	12.000	1.200	99.7	-0.1	
LC0034	12.400	1.488	103.0	1.0	
LC0035	11.800	0.100	98.0	-0.7	
LC0036	-	-	-	-	
LC0037	12.000	0.140	99.7	-0.1	
LC0038	12.000	1.100	99.7	-0.1	
LC0039	11.970	1.197	99.4	-0.2	
LC0040	12.600	1.290	104.6	1.6	
LC0041	11.990	0.160	99.6	-0.1	

Parameter oriented report Major ions N125

Sample: N125B, Parameter: Nitrate (as NO<sub>3</sub>)

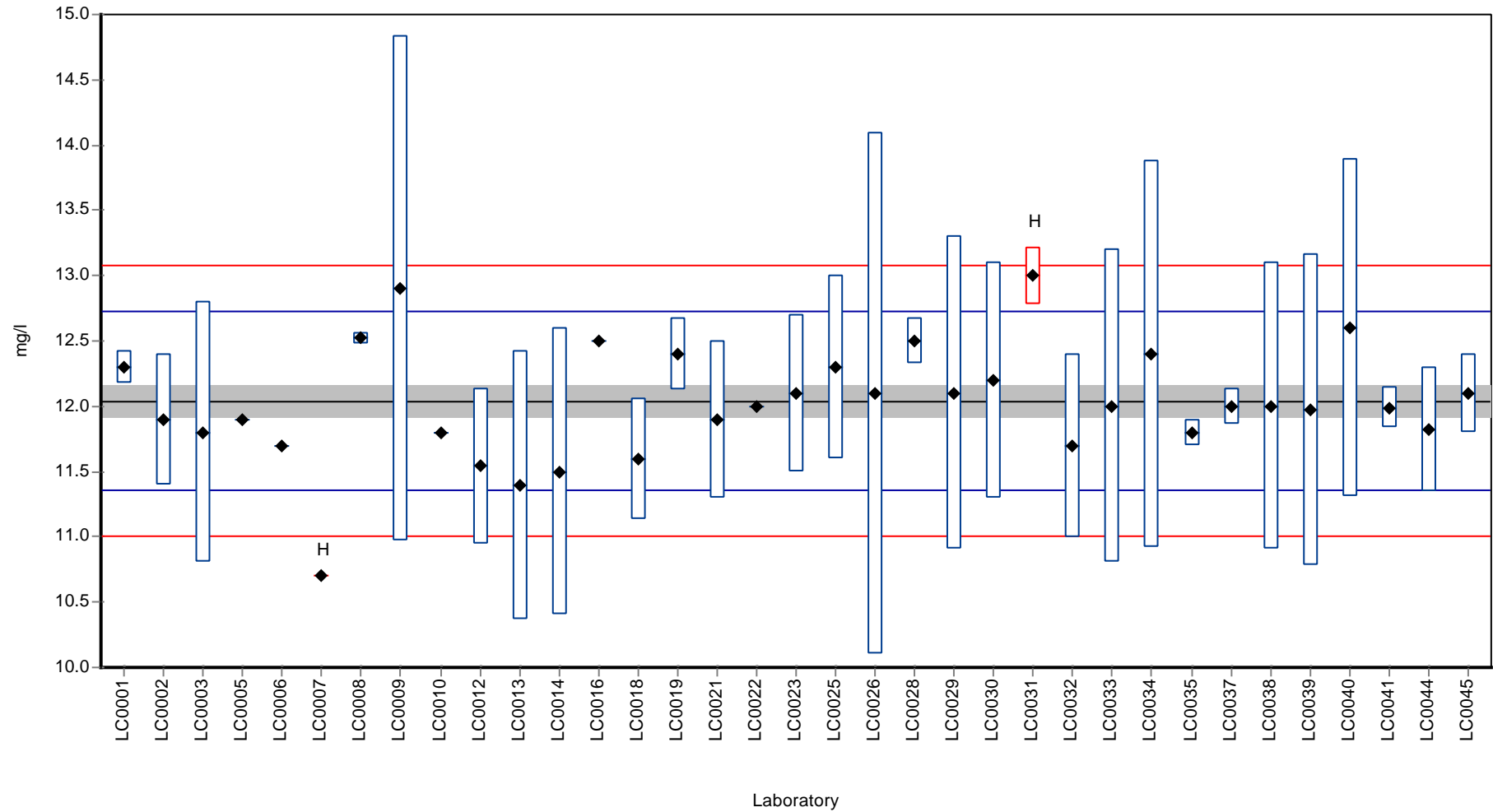
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	-	-	-	-	
LC0043	-	-	-	-	
LC0044	11.823	0.4729	98.2	-0.6	
LC0045	12.100	0.300	100.5	0.2	

#### Characteristics of parameter

	all results	without outliers	Unit
Mean ± CI (99%)	12 ± 0.222	12 ± 0.18	mg/l
Minimum	10.7	11.4	mg/l
Maximum	13	12.9	mg/l
Standard deviation	0.438	0.345	mg/l
rel. Standard deviation	3.64	2.87	%
n	35	33	-

Graphical presentation of results

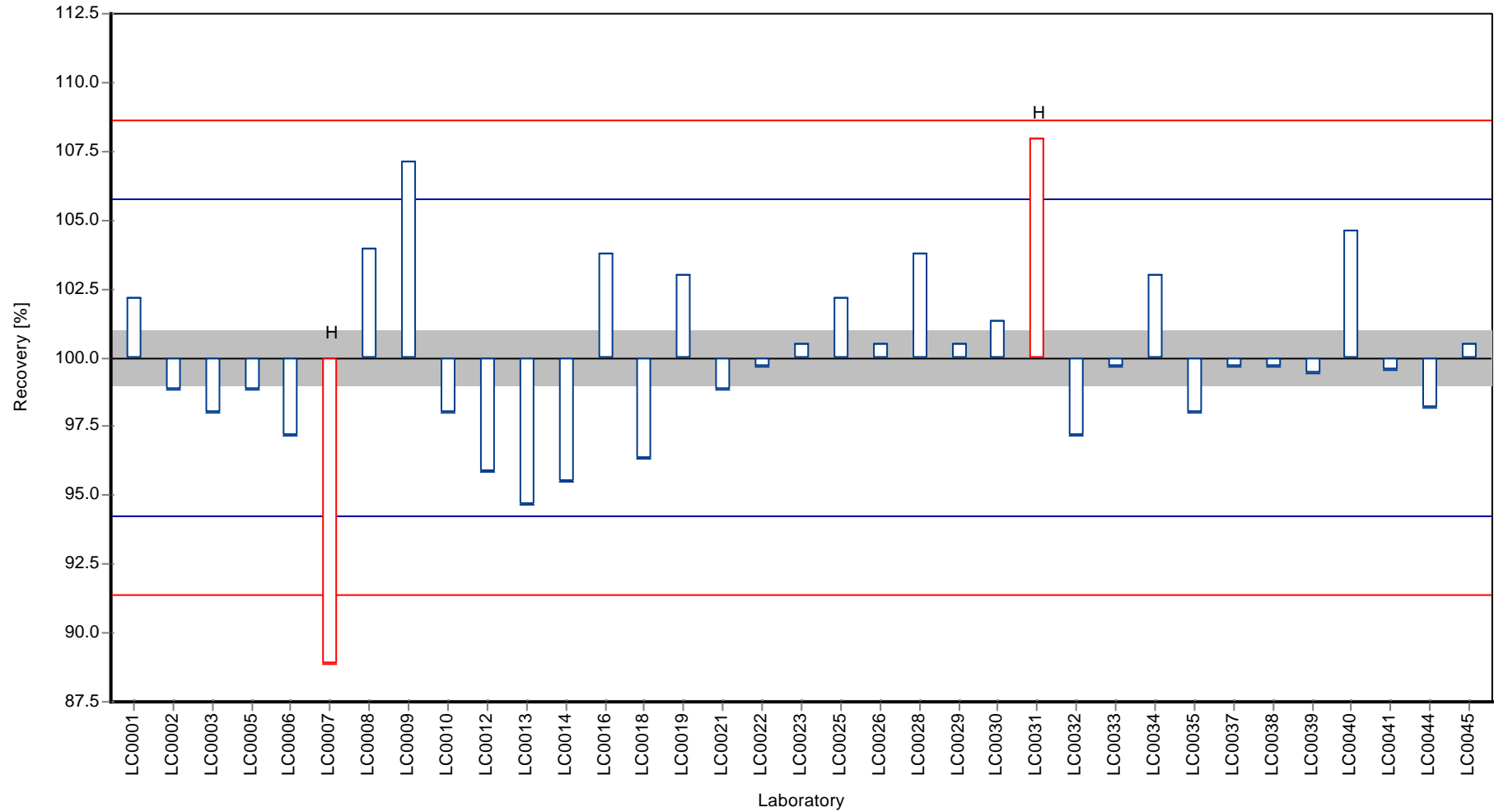
Results



Parameter oriented report Major ions N125

Sample: N125B, Parameter: Nitrate (as NO<sub>3</sub>)

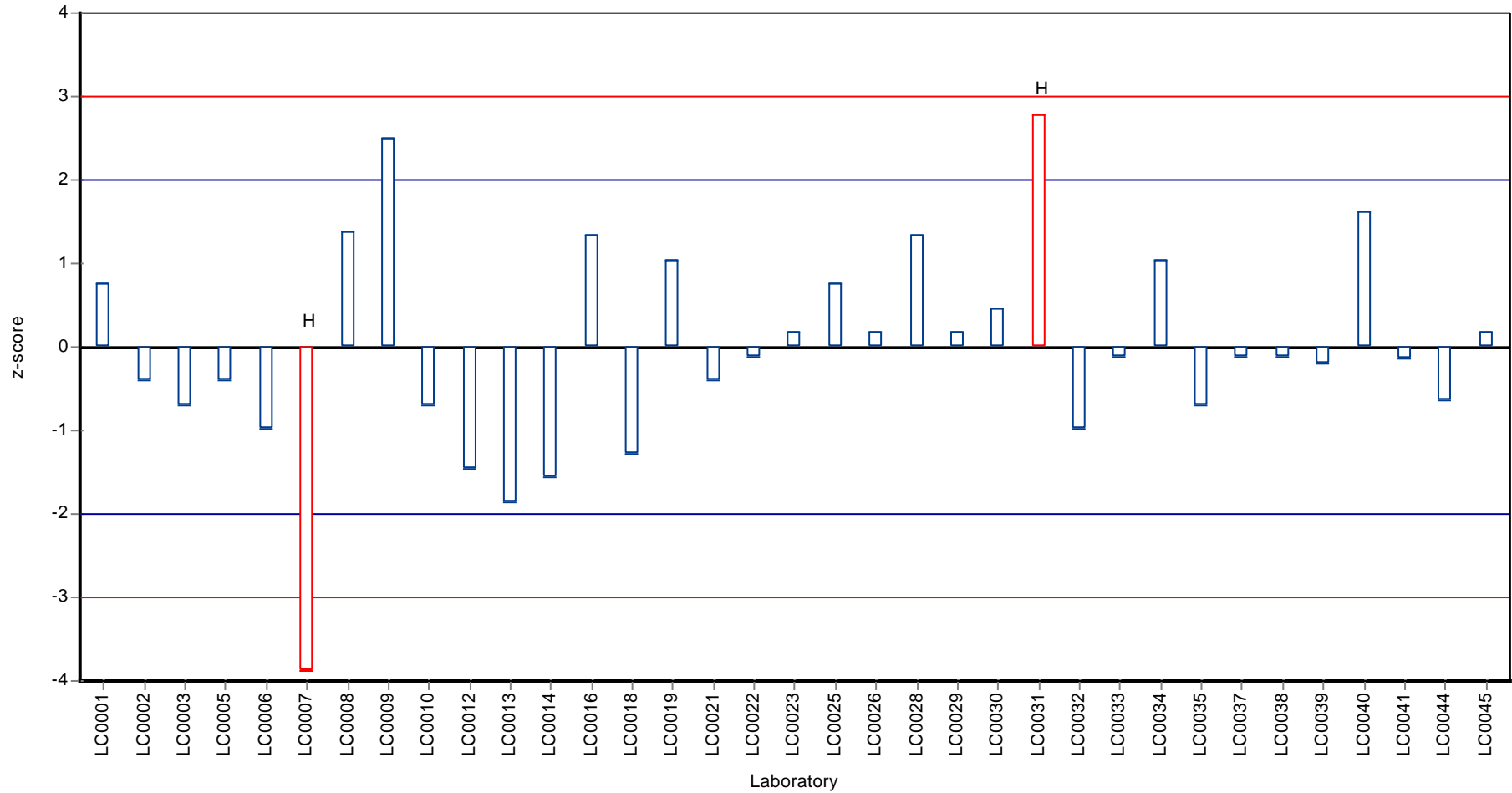
Recovery rate



Parameter oriented report Major ions N125

Sample: N125B, Parameter: Nitrate (as NO<sub>3</sub>)

Z-score





## Parameter oriented report

### N125 A

#### Orthophosphate (as PO4)

Unit	mg/l
Mean ± CI (99%)	0.109 ± 0.00298
Minimum - Maximum	0.1 - 0.12
Check value ± U	-

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.1165	0.003	107.3	1.6	
LC0002	0.107	0.016	98.5	-0.3	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	0.106	-	97.6	-0.5	
LC0006	0.285	-	262.4	35.5	H
LC0007	0.102	-	93.9	-1.3	
LC0008	0.103	0.003	94.8	-1.1	
LC0009	0.109	0.0164	100.3	0.1	
LC0010	0.109	-	100.3	0.1	
LC0011	-	-	-	-	
LC0012	0.120	0.010	110.5	2.3	
LC0013	0.110	0.010	101.3	0.3	
LC0014	0.109	0.020	100.3	0.1	
LC0015	-	-	-	-	
LC0016	-	-	-	-	
LC0017	-	-	-	-	
LC0018	0.089	-	81.9	-4.0	H
LC0019	0.102	0.005	93.9	-1.3	
LC0020	-	-	-	-	
LC0021	0.111	0.008	102.2	0.5	
LC0022	< 0.2 (LOQ)	-	-	-	
LC0023	0.105	0.005	96.7	-0.7	
LC0024	31.680	-	29165.9	6358.8	H
LC0025	0.100	0.013	92.1	-1.7	
LC0026	-	-	-	-	
LC0027	-	-	-	-	
LC0028	0.090	0.0015	82.9	-3.8	H
LC0029	0.112	0.011	103.1	0.7	
LC0030	0.112	0.020	103.1	0.7	
LC0031	0.110	0.005	101.3	0.3	
LC0032	0.110	0.0044	101.3	0.3	
LC0033	0.112	0.011	103.1	0.7	
LC0034	< 1 (LOQ)	-	-	-	
LC0035	0.110	0.001	101.3	0.3	
LC0036	0.130	-	119.7	4.3	H
LC0037	0.100	0.003	92.1	-1.7	
LC0038	0.113	0.011	104.0	0.9	
LC0039	0.113	0.023	104.0	0.9	
LC0040	0.082	0.008	75.5	-5.4	H
LC0041	-	-	-	-	

Parameter oriented report Major ions N125

Sample: N125A, Parameter: Orthophosphate (as PO4)

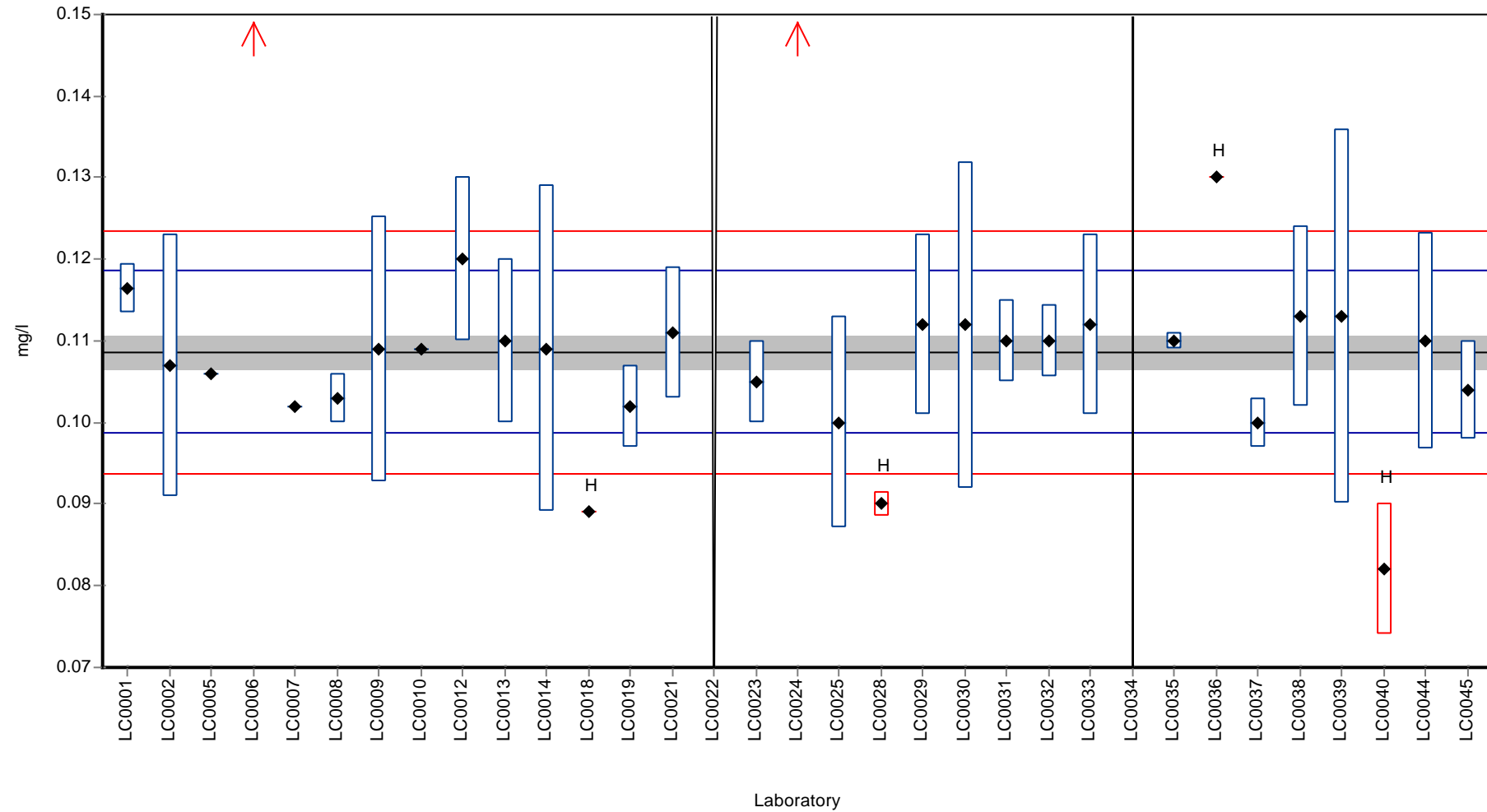
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	-	-	-	-	
LC0043	-	-	-	-	
LC0044	0.110	0.0132	101.3	0.3	
LC0045	0.104	0.006	95.7	-0.9	

#### Characteristics of parameter

	all results	without outliers	Unit
Mean ± CI (99%)	1.13 ± 3.05	0.109 ± 0.00298	mg/l
Minimum	0.082	0.1	mg/l
Maximum	31.7	0.12	mg/l
Standard deviation	5.67	0.00496	mg/l
rel. Standard deviation	501	4.57	%
n	31	25	-

Graphical presentation of results

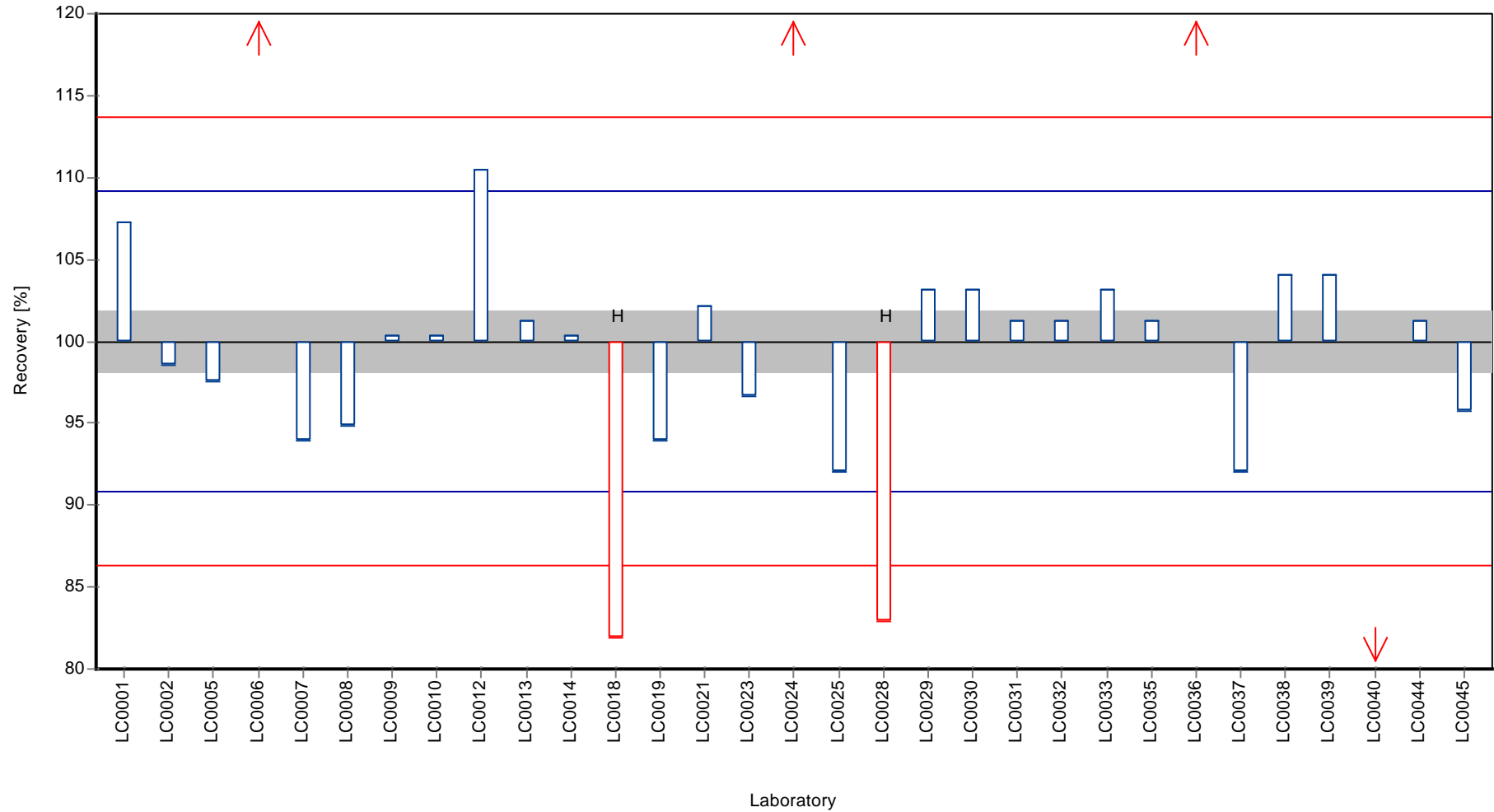
Results



Parameter oriented report Major ions N125

Sample: N125A, Parameter: Orthophosphate (as PO<sub>4</sub>)

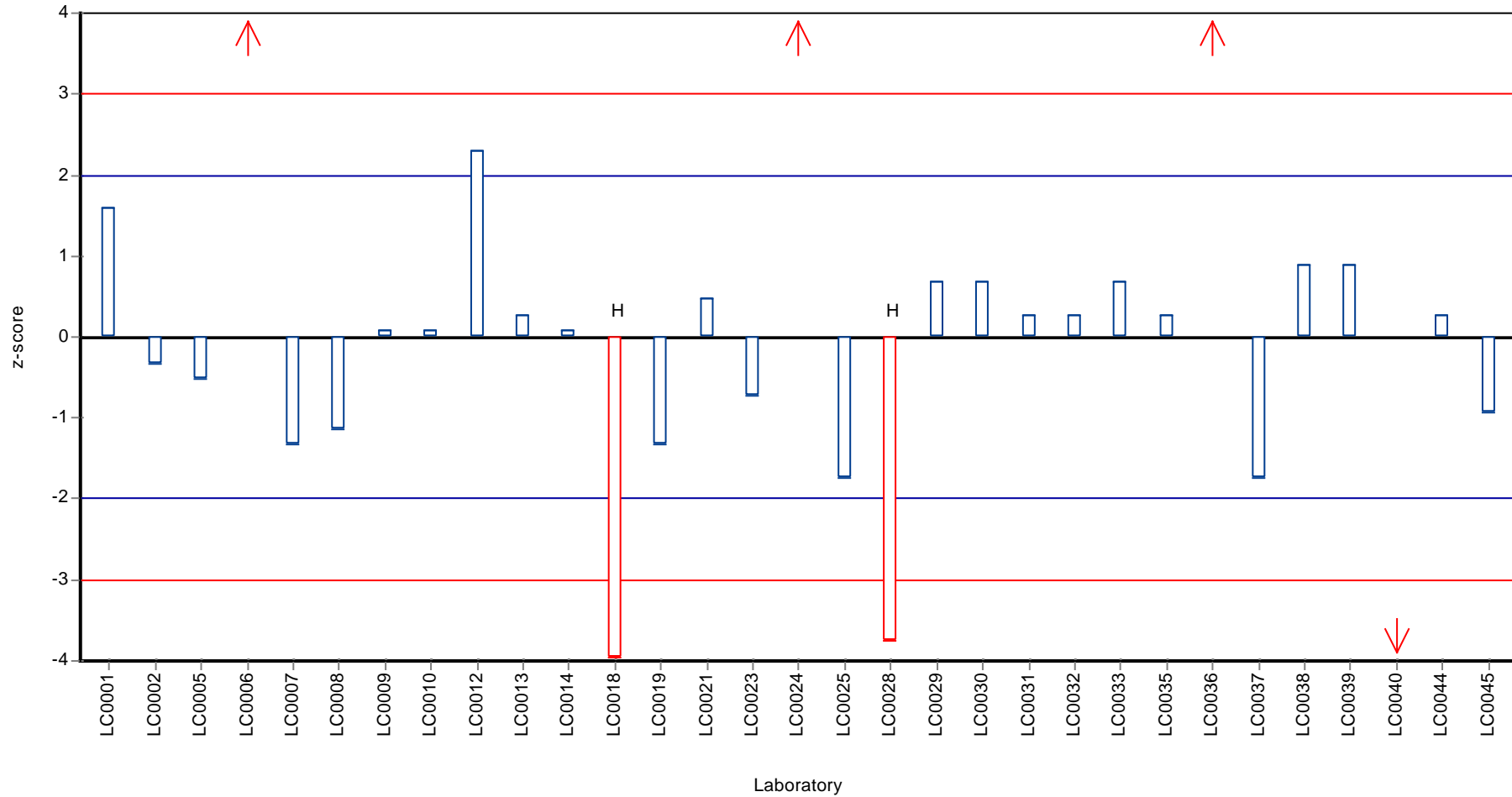
Recovery rate



Parameter oriented report Major ions N125

Sample: N125A, Parameter: Orthophosphate (as PO4)

Z-score



## Parameter oriented report

### N125 B

#### Orthophosphate (as PO<sub>4</sub>)

Unit	mg/l
Mean ± CI (99%)	0.102 ± 0.00523
Minimum - Maximum	0.08 - 0.12
Check value ± U	-

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.1152	0.003	113.3	1.5	
LC0002	0.101	0.015	99.4	-0.1	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	0.103	-	101.3	0.1	
LC0006	0.135	-	132.8	3.6	H
LC0007	0.097	-	95.4	-0.5	
LC0008	0.099	0.009	97.4	-0.3	
LC0009	0.086	0.0129	84.6	-1.7	
LC0010	0.117	-	115.1	1.7	
LC0011	-	-	-	-	
LC0012	0.115	0.010	113.1	1.4	
LC0013	0.110	0.010	108.2	0.9	
LC0014	0.094	0.020	92.5	-0.8	
LC0015	-	-	-	-	
LC0016	-	-	-	-	
LC0017	-	-	-	-	
LC0018	0.080	-	78.7	-2.3	
LC0019	0.097	0.005	95.4	-0.5	
LC0020	-	-	-	-	
LC0021	0.100	0.007	98.4	-0.2	
LC0022	< 0.2 (LOQ)	-	-	-	
LC0023	0.103	0.005	101.3	0.1	
LC0024	34.750	-	34185.9	3754.3	H
LC0025	0.092	0.012	90.5	-1.0	
LC0026	-	-	-	-	
LC0027	-	-	-	-	
LC0028	0.090	0.0003	88.5	-1.3	
LC0029	0.105	0.011	103.3	0.4	
LC0030	0.105	0.020	103.3	0.4	
LC0031	0.100	0.005	98.4	-0.2	
LC0032	0.104	0.0042	102.3	0.3	
LC0033	0.104	0.010	102.3	0.3	
LC0034	< 1 (LOQ)	-	-	-	
LC0035	0.104	0.001	102.3	0.3	
LC0036	0.120	-	118.1	2.0	
LC0037	0.090	0.001	88.5	-1.3	
LC0038	0.107	0.011	105.3	0.6	
LC0039	0.107	0.021	105.3	0.6	
LC0040	0.062	0.006	61.0	-4.3	H
LC0041	-	-	-	-	

Parameter oriented report Major ions N125

Sample: N125B, Parameter: Orthophosphate (as PO4)

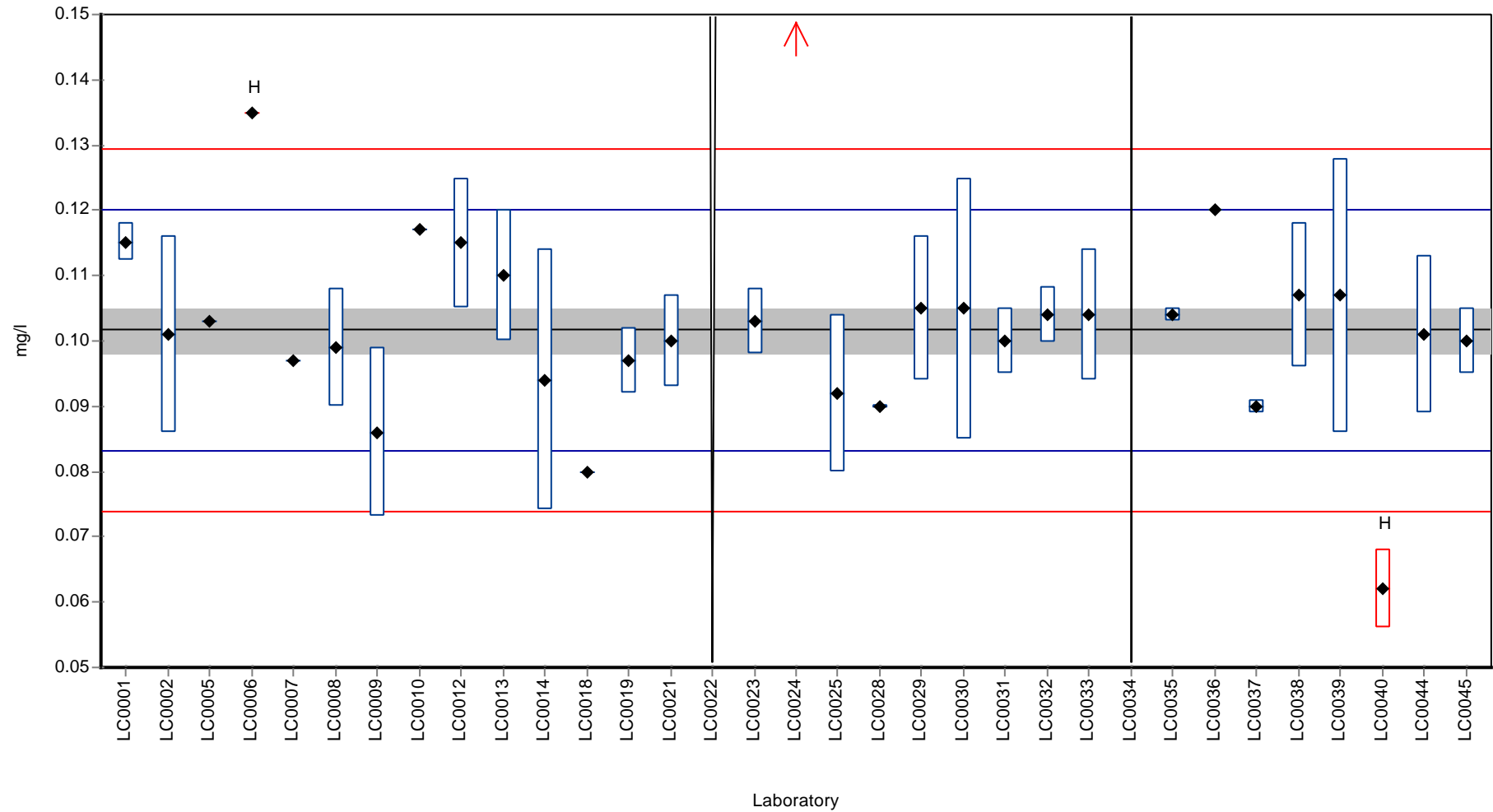
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	-	-	-	-	
LC0043	-	-	-	-	
LC0044	0.101	0.0121	99.4	-0.1	
LC0045	0.100	0.005	98.4	-0.2	

#### Characteristics of parameter

	all results	without outliers	Unit
Mean ± CI (99%)	1.22 ± 3.35	0.102 ± 0.00523	mg/l
Minimum	0.062	0.08	mg/l
Maximum	34.8	0.12	mg/l
Standard deviation	6.22	0.00923	mg/l
rel. Standard deviation	510	9.08	%
n	31	28	-

Graphical presentation of results

Results

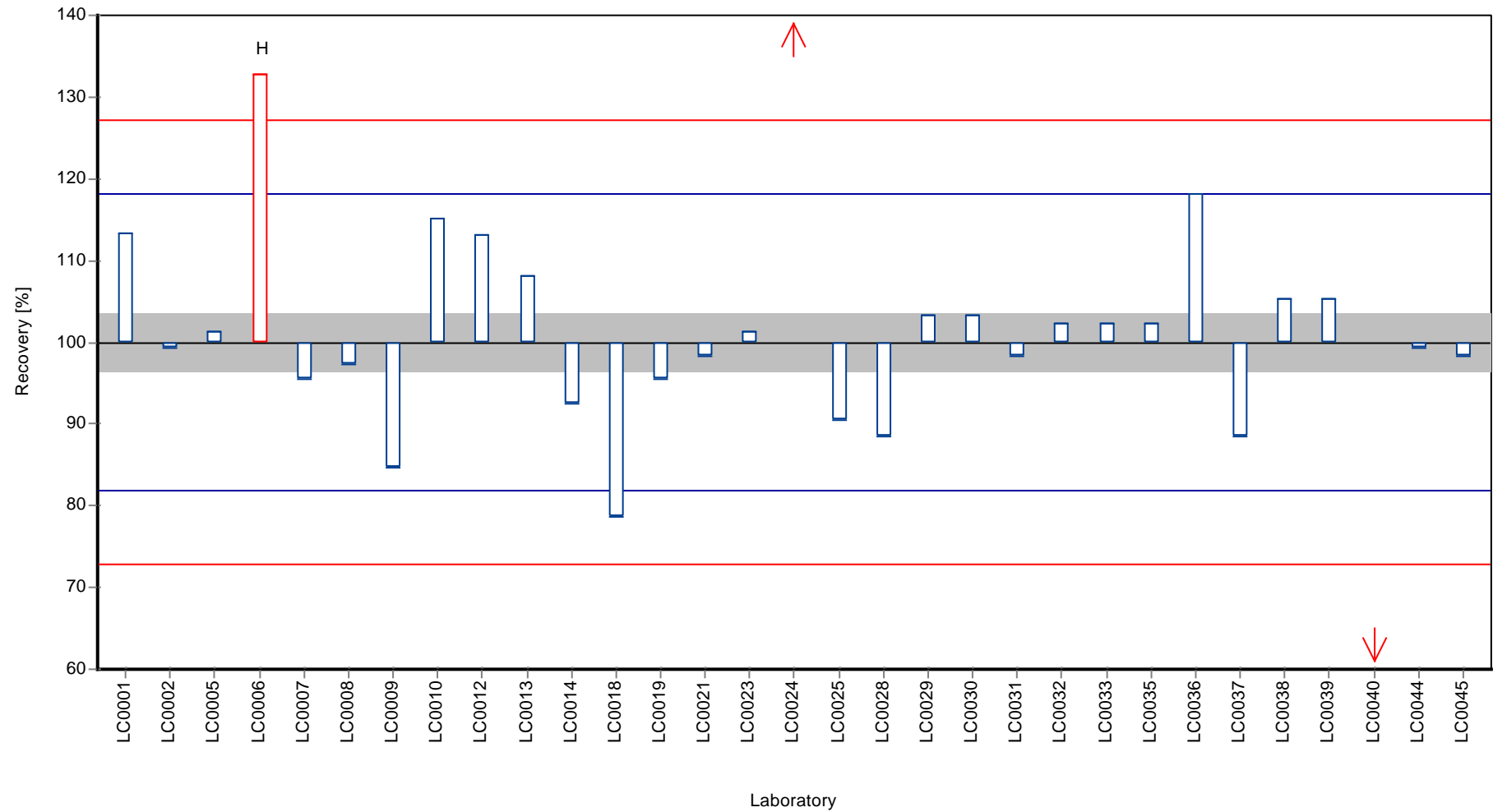




Parameter oriented report Major ions N125

Sample: N125B, Parameter: Orthophosphate (as PO<sub>4</sub>)

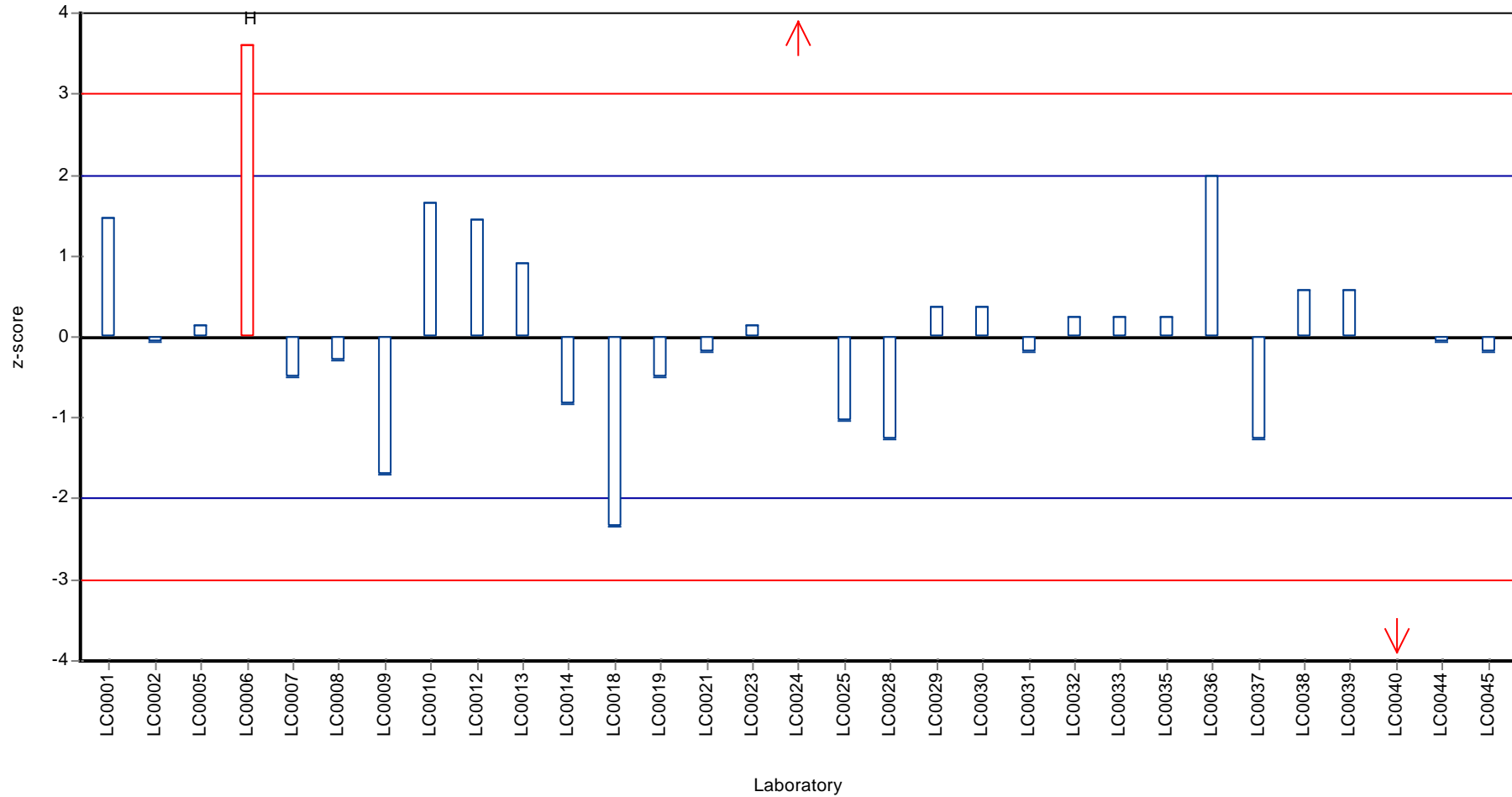
Recovery rate



Parameter oriented report Major ions N125

Sample: N125B, Parameter: Orthophosphate (as PO<sub>4</sub>)

Z-score



## Parameter oriented report

### N125 A

#### Sulfate (as SO<sub>4</sub>)

Unit	mg/l
Mean ± CI (99%)	40.6 ± 0.63
Minimum - Maximum	38.279 - 43.5
Check value ± U	41.8 ± 0.9

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	42.100	0.340	103.6	1.3	
LC0002	39.900	2.400	98.2	-0.7	
LC0003	40.900	4.000	100.6	0.2	
LC0004	-	-	-	-	
LC0005	-	-	-	-	
LC0006	38.800	-	95.4	-1.6	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	40.070	6.0105	98.6	-0.5	
LC0010	45.340	-	111.5	4.1	H
LC0011	-	-	-	-	
LC0012	38.279	3.600	94.2	-2.1	
LC0013	38.800	3.490	95.4	-1.6	
LC0014	41.400	4.500	101.8	0.7	
LC0015	-	-	-	-	
LC0016	-	-	-	-	
LC0017	-	-	-	-	
LC0018	40.900	2.454	100.6	0.2	
LC0019	-	-	-	-	
LC0020	-	-	-	-	
LC0021	41.500	1.800	102.1	0.8	
LC0022	41.000	-	100.9	0.3	
LC0023	40.800	2.000	100.4	0.1	
LC0024	-	-	-	-	
LC0025	42.200	2.500	103.8	1.4	
LC0026	40.700	1.000	100.1	0.0	
LC0027	-	-	-	-	
LC0028	1.786	0.090	4.4	-34.4	H
LC0029	40.900	4.100	100.6	0.2	
LC0030	40.800	3.000	100.4	0.1	
LC0031	39.000	0.300	95.9	-1.5	
LC0032	40.400	2.424	99.4	-0.2	
LC0033	41.100	4.100	101.1	0.4	
LC0034	43.500	5.220	107.0	2.5	
LC0035	39.800	0.200	97.9	-0.8	
LC0036	39.100	-	96.2	-1.4	
LC0037	41.400	0.600	101.8	0.7	
LC0038	41.100	2.000	101.1	0.4	
LC0039	41.700	4.170	102.6	0.9	
LC0040	40.700	3.790	100.1	0.0	
LC0041	40.400	0.170	99.4	-0.2	

Parameter oriented report Major ions N125

Sample: N125A, Parameter: Sulfate (as SO<sub>4</sub>)

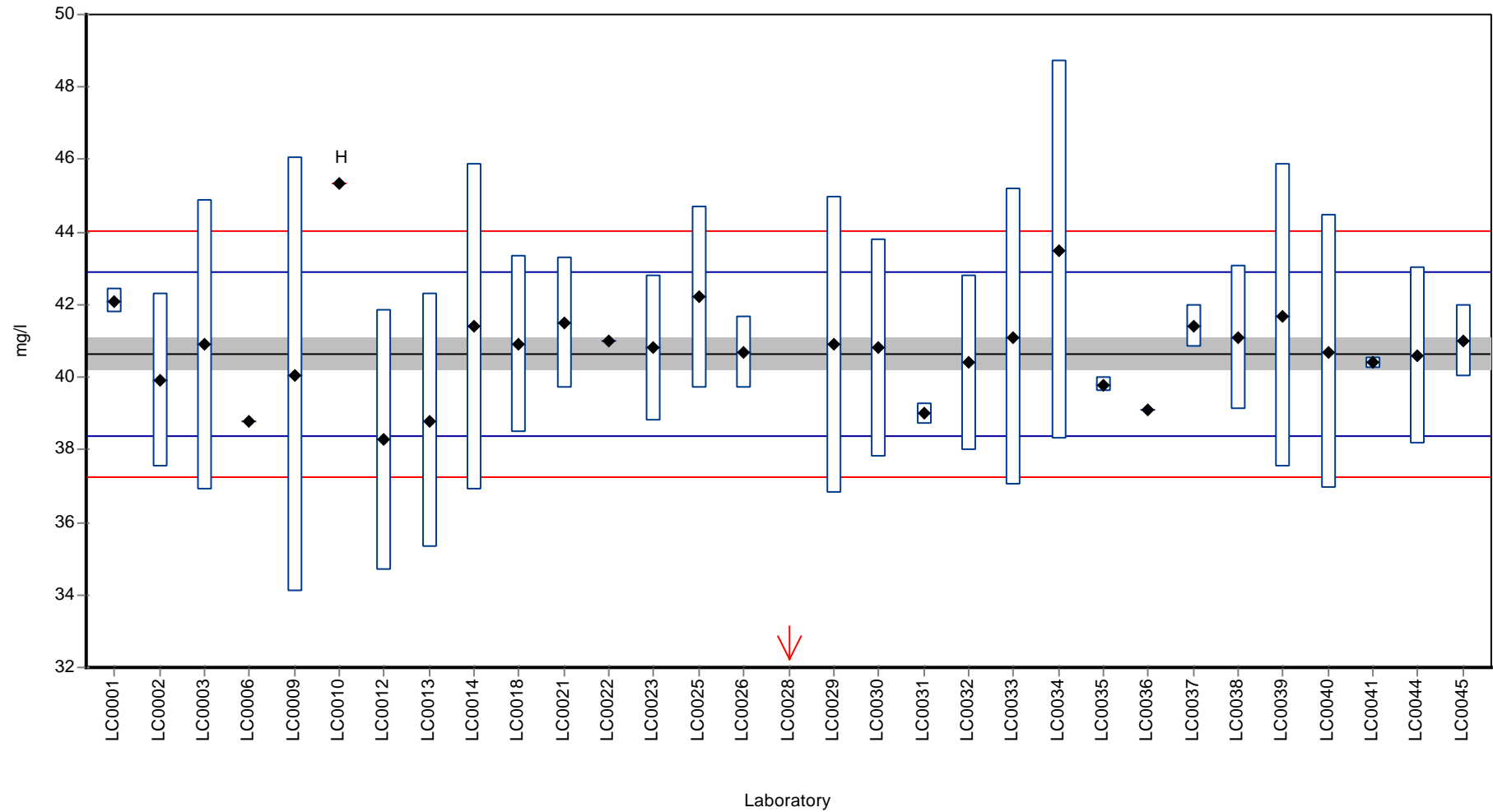
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	-	-	-	-	
LC0043	-	-	-	-	
LC0044	40.590	2.435	99.9	-0.1	
LC0045	41.000	1.000	100.9	0.3	

#### Characteristics of parameter

	all results	without outliers	Unit
Mean ± CI (99%)	39.5 ± 3.85	40.6 ± 0.63	mg/l
Minimum	1.79	38.3	mg/l
Maximum	45.3	43.5	mg/l
Standard deviation	7.14	1.13	mg/l
rel. Standard deviation	18.1	2.78	%
n	31	29	-

Graphical presentation of results

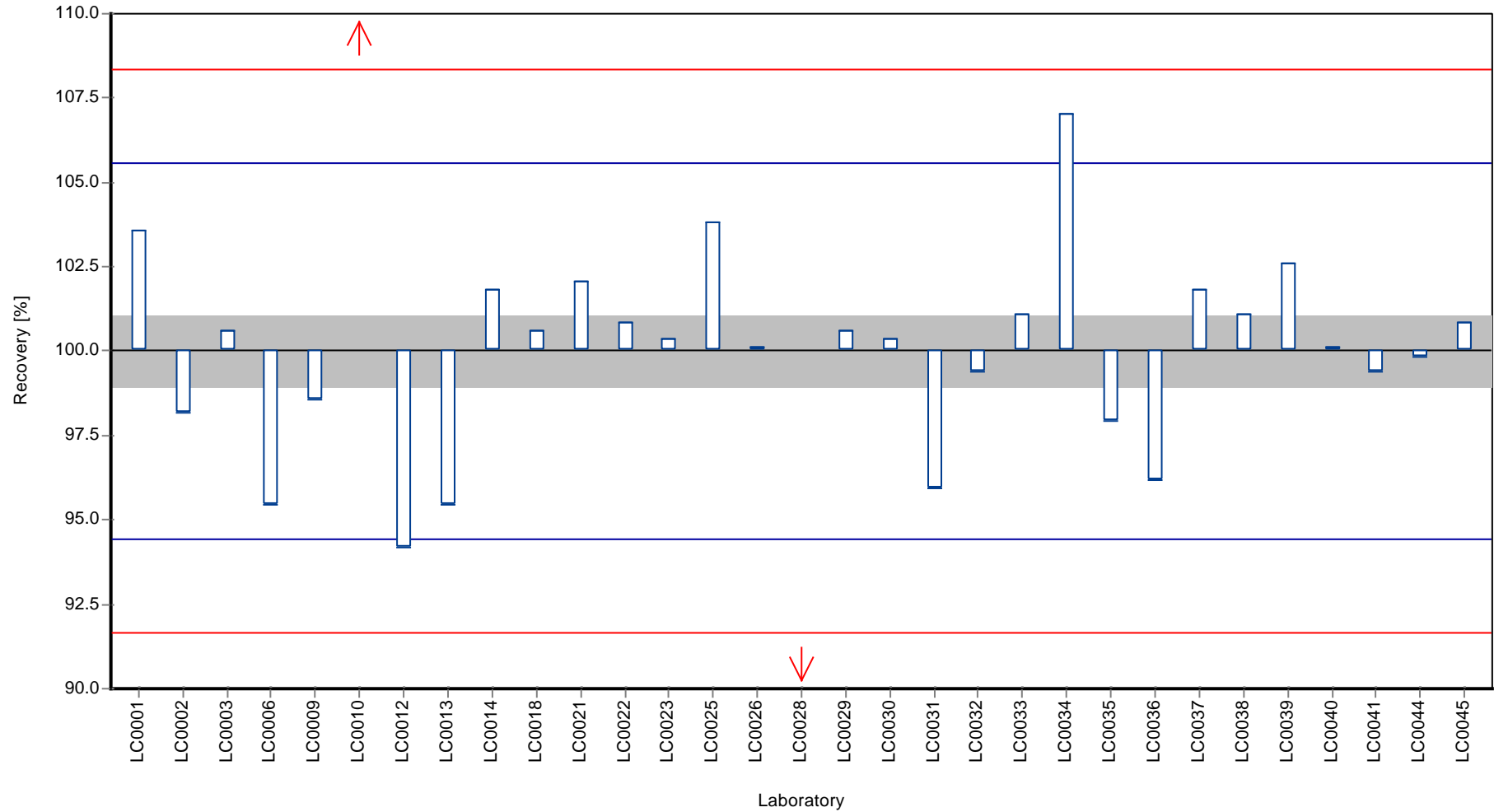
Results



Parameter oriented report Major ions N125

Sample: N125A, Parameter: Sulfate (as SO<sub>4</sub>)

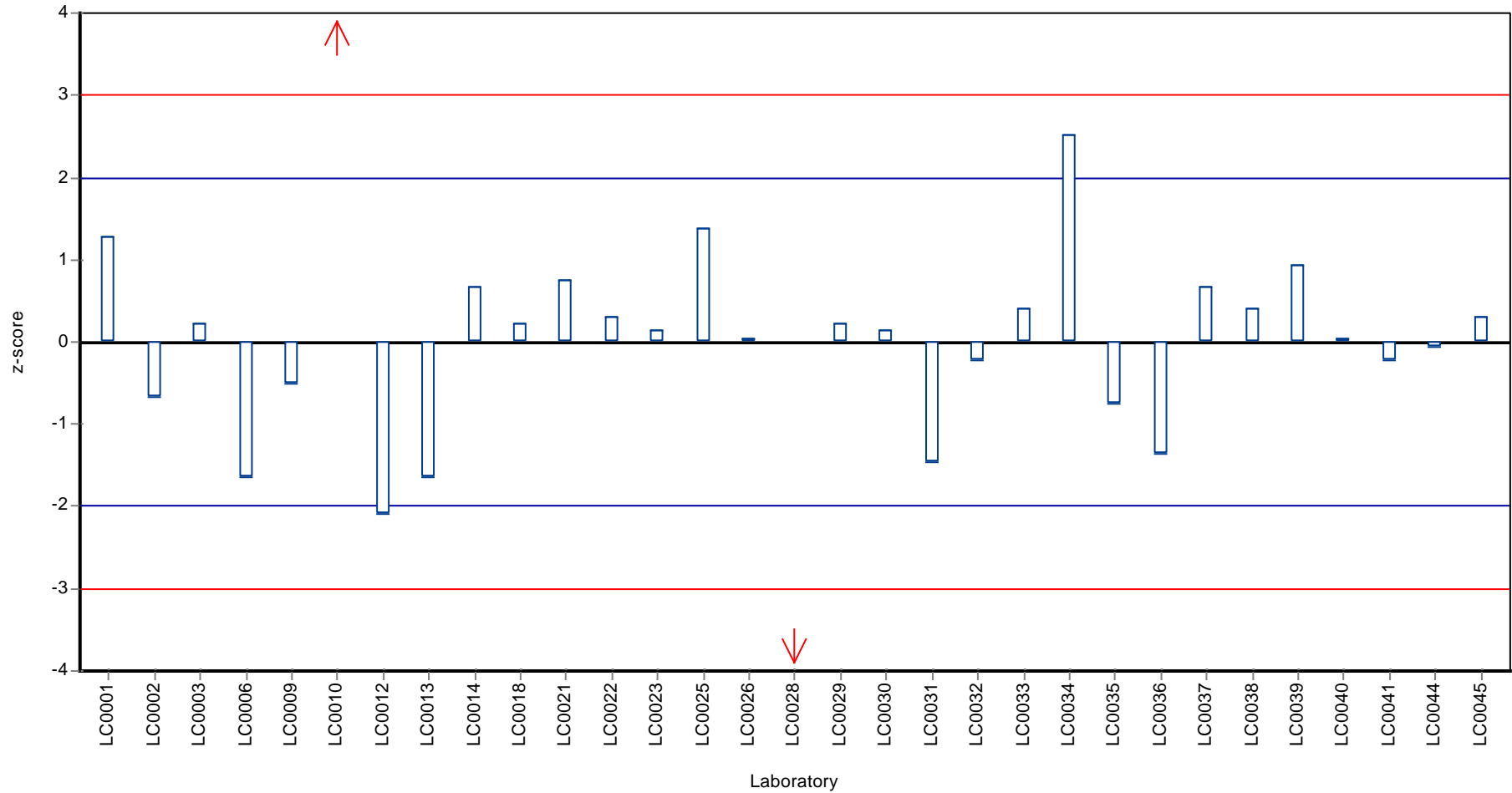
Recovery rate



Parameter oriented report Major ions N125

Sample: N125A, Parameter: Sulfate (as SO<sub>4</sub>)

Z-score



## Parameter oriented report

### N125 B

#### Sulfate (as SO<sub>4</sub>)

Unit	mg/l
Mean ± CI (99%)	30 ± 0.419
Minimum - Maximum	28.3 - 31.3
Check value ± U	30.6 ± 1.1

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	31.100	0.360	103.8	1.6	
LC0002	29.200	1.800	97.5	-1.0	
LC0003	29.800	3.000	99.5	-0.2	
LC0004	-	-	-	-	
LC0005	-	-	-	-	
LC0006	29.500	-	98.5	-0.6	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	26.300	3.945	87.8	-5.0	H
LC0010	33.340	-	111.3	4.7	H
LC0011	-	-	-	-	
LC0012	28.395	2.600	94.8	-2.1	
LC0013	28.300	2.550	94.5	-2.3	
LC0014	30.300	3.500	101.2	0.5	
LC0015	-	-	-	-	
LC0016	-	-	-	-	
LC0017	-	-	-	-	
LC0018	29.900	1.794	99.8	-0.1	
LC0019	-	-	-	-	
LC0020	-	-	-	-	
LC0021	30.500	1.500	101.8	0.8	
LC0022	31.000	-	103.5	1.4	
LC0023	30.000	1.500	100.2	0.1	
LC0024	-	-	-	-	
LC0025	30.900	1.900	103.2	1.3	
LC0026	29.800	1.000	99.5	-0.2	
LC0027	-	-	-	-	
LC0028	2.815	0.040	9.4	-37.4	H
LC0029	29.800	3.000	99.5	-0.2	
LC0030	29.900	2.000	99.8	-0.1	
LC0031	28.000	0.150	93.5	-2.7	H
LC0032	29.700	1.782	99.2	-0.4	
LC0033	30.100	3.000	100.5	0.2	
LC0034	31.300	3.756	104.5	1.9	
LC0035	29.200	0.200	97.5	-1.0	
LC0036	29.100	-	97.1	-1.2	
LC0037	30.200	0.500	100.8	0.3	
LC0038	30.100	1.500	100.5	0.2	
LC0039	30.220	3.022	100.9	0.4	
LC0040	30.200	2.810	100.8	0.3	
LC0041	29.620	0.210	98.9	-0.5	



Parameter oriented report Major ions N125

Sample: N125B, Parameter: Sulfate (as SO<sub>4</sub>)

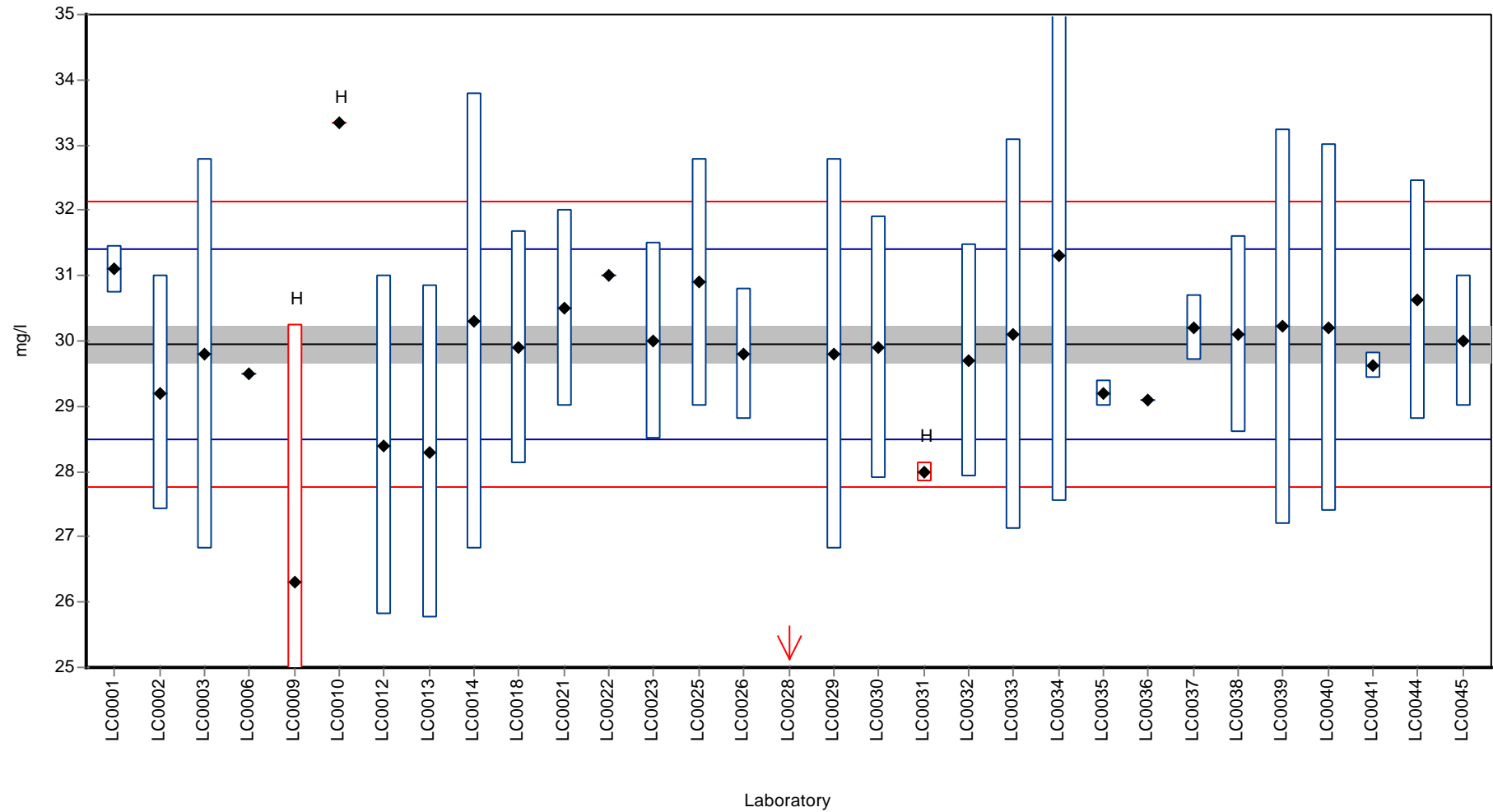
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	-	-	-	-	
LC0043	-	-	-	-	
LC0044	30.630	1.838	102.3	0.9	
LC0045	30.000	1.000	100.2	0.1	

#### Characteristics of parameter

	all results	without outliers	Unit
Mean ± CI (99%)	29 ± 2.7	30 ± 0.419	mg/l
Minimum	2.81	28.3	mg/l
Maximum	33.3	31.3	mg/l
Standard deviation	5	0.726	mg/l
rel. Standard deviation	17.2	2.43	%
n	31	27	-

Graphical presentation of results

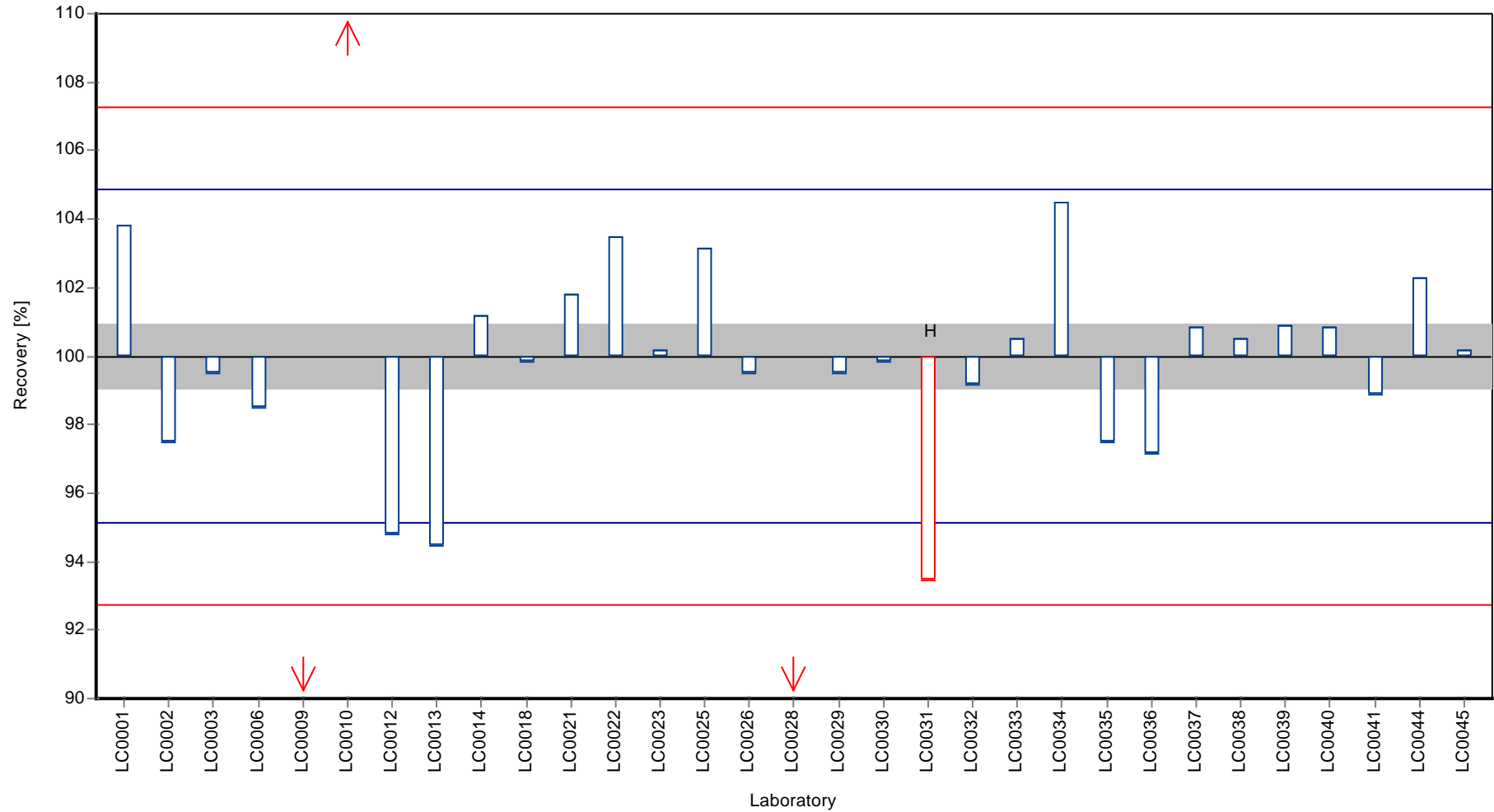
Results



Parameter oriented report Major ions N125

Sample: N125B, Parameter: Sulfate (as SO<sub>4</sub>)

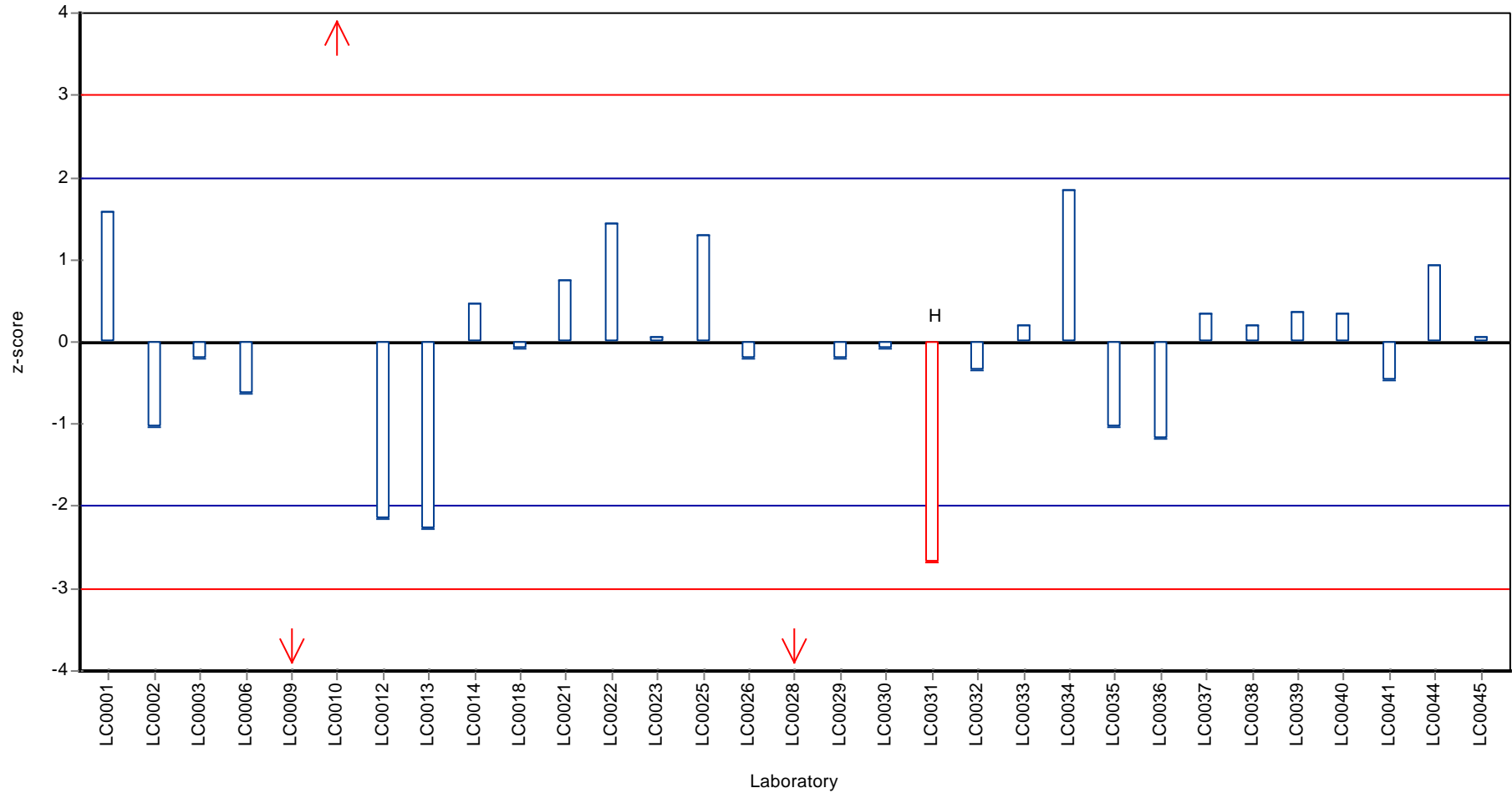
Recovery rate



Parameter oriented report Major ions N125

Sample: N125B, Parameter: Sulfate (as SO<sub>4</sub>)

Z-score



## 8 Laboratory oriented report

The laboratory oriented report is sorted by laboratory code.

The following results were achieved:

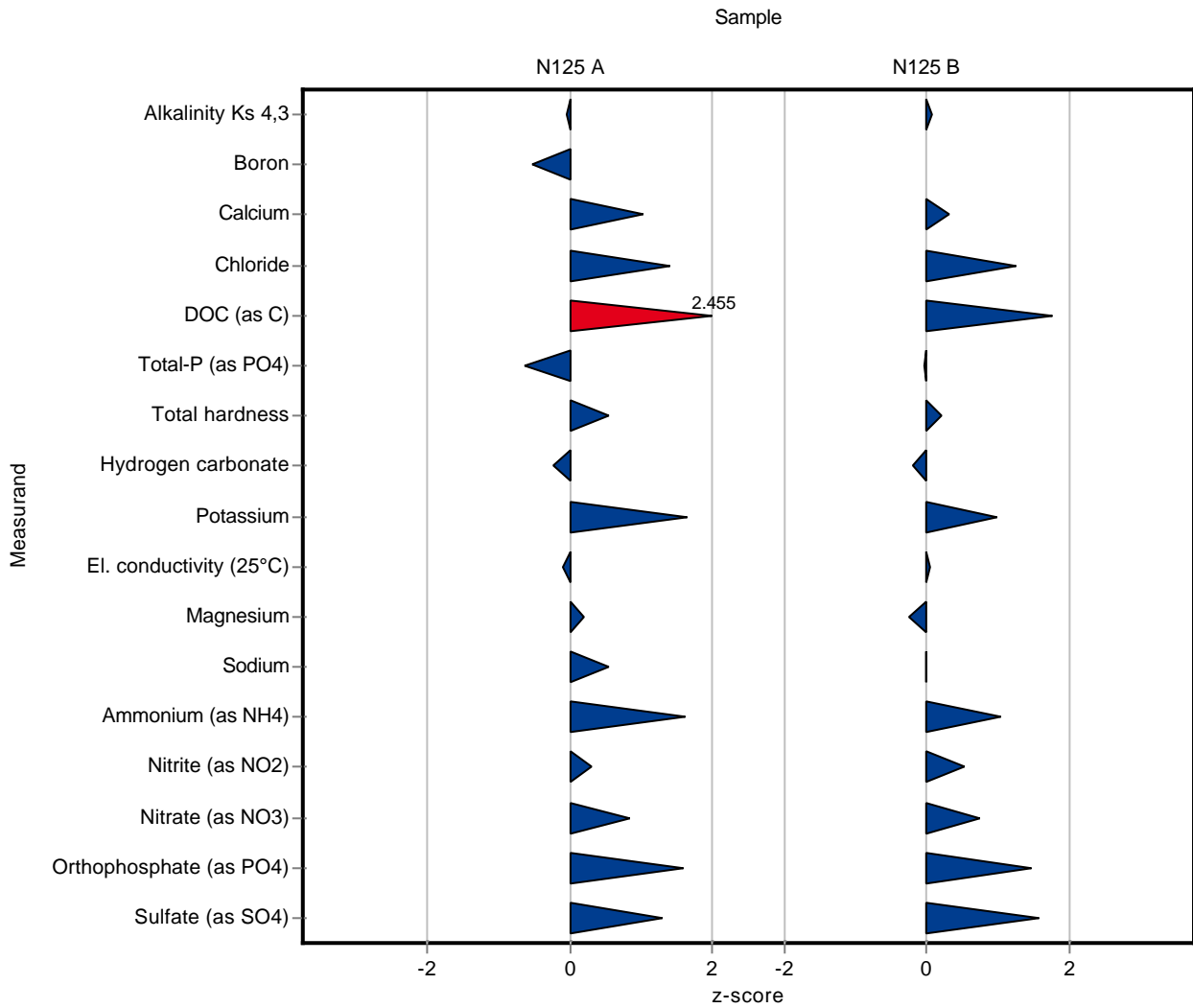
Sample: N125A

Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
Alkalinity Ks 4,3	mmol/l	5.13 ± 0.0406	5.13	0.006	0.0822	99.9	-0.06
Boron	mg/l	0.0561 ± 0.00407	0.053	0.002	0.00576	94.4	-0.54
Calcium	mg/l	84.5 ± 0.994	86.4	0.966	1.87	102.3	1.02
Chloride	mg/l	35.5 ± 0.371	36.5	0.53	0.71	102.8	1.40
DOC (as C)	mg/l	0.789 ± 0.0751	1.09	0.08	0.123	138.2	2.45
Total-P (as PO4)	mg/l	0.188 ± 0.00875	0.1791	0.0033	0.0143	95.1	-0.64
Total hardness	°d	17.2 ± 0.279	17.5	0.229	0.526	101.6	0.53
Hydrogen carbonate	mg/l	311 ± 2.1	310	0.34	3.77	99.7	-0.23
Potassium	mg/l	3.99 ± 0.0876	4.27	0.131	0.173	107.1	1.63
El. conductivity (25°C)	µS/c	659 ± 4.22	658	0.63	8.44	99.9	-0.10
Magnesium	mg/l	23.5 ± 0.376	23.6	0.799	0.753	100.6	0.20
Sodium	mg/l	18.9 ± 0.221	19.1	0.457	0.423	101.2	0.53
Ammonium (as NH4)	mg/l	0.104 ± 0.00531	0.1203	0.0014	0.0102	115.8	1.61
Nitrite (as NO2)	mg/l	0.18 ± 0.00409	0.1818	0.0007	0.00721	101.2	0.29
Nitrate (as NO3)	mg/l	7.47 ± 0.133	7.68	0.14	0.247	102.8	0.84
Orthophosphate (as PO4)	mg/l	0.109 ± 0.00298	0.1165	0.003	0.00496	107.3	1.59
Sulfate (as SO4)	mg/l	40.6 ± 0.63	42.1	0.34	1.13	103.6	1.28

Sample: N125B

Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
Alkalinity Ks 4,3	mmol/l	3.82 ± 0.0323	3.83	0.005	0.0637	100.1	0.08
Boron	mg/l	0.0192 ± 0.00201	<0.02 (LOQ)	-	0.00259	-	-
Calcium	mg/l	67.4 ± 0.89	68	0.897	1.73	100.8	0.32
Chloride	mg/l	31.4 ± 0.409	32.4	0.55	0.817	103.3	1.25
DOC (as C)	mg/l	2.29 ± 0.0987	2.58	0.08	0.168	112.9	1.75
Total-P (as PO4)	mg/l	0.117 ± 0.00634	0.1163	0.0034	0.0108	99.7	-0.04
Total hardness	°d	12.9 ± 0.189	13	0.231	0.345	100.5	0.20
Hydrogen carbonate	mg/l	232 ± 2.04	231	0.33	3.67	99.7	-0.19
Potassium	mg/l	2.42 ± 0.0768	2.57	0.031	0.151	106.2	0.99
El. conductivity (25°C)	µS/c	527 ± 4.01	527	0.09	8.01	100.1	0.06
Magnesium	mg/l	15.1 ± 0.234	15	0.839	0.462	99.3	-0.23
Sodium	mg/l	20 ± 0.246	20	0.454	0.472	100.0	-0.01
Ammonium (as NH4)	mg/l	0.0446 ± 0.00341	0.0515	0.0013	0.00654	115.4	1.05
Nitrite (as NO2)	mg/l	0.0677 ± 0.00219	0.0697	0.0006	0.00393	103.0	0.52
Nitrate (as NO3)	mg/l	12 ± 0.18	12.3	0.13	0.345	102.2	0.75

Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
Orthophosphate (as PO <sub>4</sub> )	mg/l	0.102 ± 0.00523	0.1152	0.003	0.00923	113.3	1.47
Sulfate (as SO <sub>4</sub> )	mg/l	30 ± 0.419	31.1	0.36	0.726	103.8	1.58





The following results were achieved:

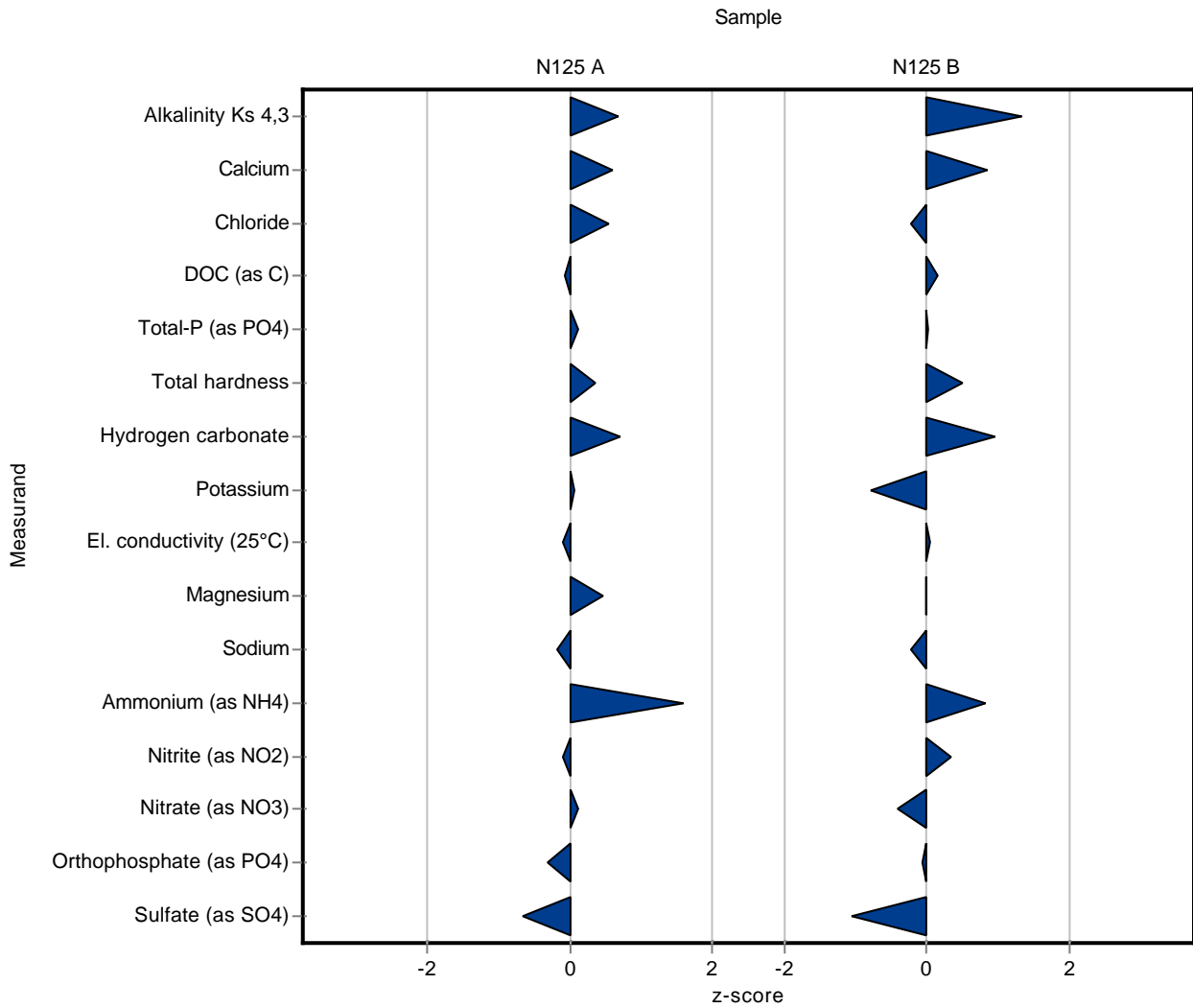
Sample: N125A

Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
Alkalinity Ks 4,3	mmol/l	5.13 ± 0.0406	5.19	0.4	0.0822	101.1	0.67
Boron	mg/l	0.0561 ± 0.00407	-	-	0.00576	-	-
Calcium	mg/l	84.5 ± 0.994	85.6	3.5	1.87	101.3	0.59
Chloride	mg/l	35.5 ± 0.371	35.9	3	0.71	101.1	0.55
DOC (as C)	mg/l	0.789 ± 0.0751	0.78	0.12	0.123	98.9	-0.07
Total-P (as PO4)	mg/l	0.188 ± 0.00875	0.19	0.025	0.0143	100.9	0.12
Total hardness	°d	17.2 ± 0.279	17.4	1.7	0.526	101.0	0.34
Hydrogen carbonate	mg/l	311 ± 2.1	313.5	25	3.77	100.9	0.70
Potassium	mg/l	3.99 ± 0.0876	4	0.3	0.173	100.3	0.07
El. conductivity (25°C)	µS/c	659 ± 4.22	658	13	8.44	99.9	-0.10
Magnesium	mg/l	23.5 ± 0.376	23.8	1	0.753	101.5	0.46
Sodium	mg/l	18.9 ± 0.221	18.8	0.6	0.423	99.6	-0.17
Ammonium (as NH4)	mg/l	0.104 ± 0.00531	0.12	0.037	0.0102	115.5	1.58
Nitrite (as NO2)	mg/l	0.18 ± 0.00409	0.179	0.018	0.00721	99.6	-0.10
Nitrate (as NO3)	mg/l	7.47 ± 0.133	7.5	0.3	0.247	100.4	0.11
Orthophosphate (as PO4)	mg/l	0.109 ± 0.00298	0.107	0.016	0.00496	98.5	-0.33
Sulfate (as SO4)	mg/l	40.6 ± 0.63	39.9	2.4	1.13	98.2	-0.66

Sample: N125B

Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
Alkalinity Ks 4,3	mmol/l	3.82 ± 0.0323	3.91	0.3	0.0637	102.2	1.34
Boron	mg/l	0.0192 ± 0.00201	-	-	0.00259	-	-
Calcium	mg/l	67.4 ± 0.89	68.9	3	1.73	102.2	0.84
Chloride	mg/l	31.4 ± 0.409	31.2	2.5	0.817	99.4	-0.22
DOC (as C)	mg/l	2.29 ± 0.0987	2.31	0.37	0.168	101.1	0.14
Total-P (as PO4)	mg/l	0.117 ± 0.00634	0.117	0.015	0.0108	100.3	0.03
Total hardness	°d	12.9 ± 0.189	13.1	1.3	0.345	101.3	0.49
Hydrogen carbonate	mg/l	232 ± 2.04	235.2	19	3.67	101.5	0.95
Potassium	mg/l	2.42 ± 0.0768	2.3	0.2	0.151	95.1	-0.79
El. conductivity (25°C)	µS/c	527 ± 4.01	527	11	8.01	100.1	0.06
Magnesium	mg/l	15.1 ± 0.234	15.1	1	0.462	99.9	-0.02
Sodium	mg/l	20 ± 0.246	19.9	0.6	0.472	99.5	-0.23
Ammonium (as NH4)	mg/l	0.0446 ± 0.00341	0.05	0.016	0.00654	112.0	0.82
Nitrite (as NO2)	mg/l	0.0677 ± 0.00219	0.069	0.007	0.00393	102.0	0.34
Nitrate (as NO3)	mg/l	12 ± 0.18	11.9	0.5	0.345	98.8	-0.41

Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
Orthophosphate (as PO <sub>4</sub> )	mg/l	0.102 ± 0.00523	0.101	0.015	0.00923	99.4	-0.07
Sulfate (as SO <sub>4</sub> )	mg/l	30 ± 0.419	29.2	1.8	0.726	97.5	-1.04



The following results were achieved:

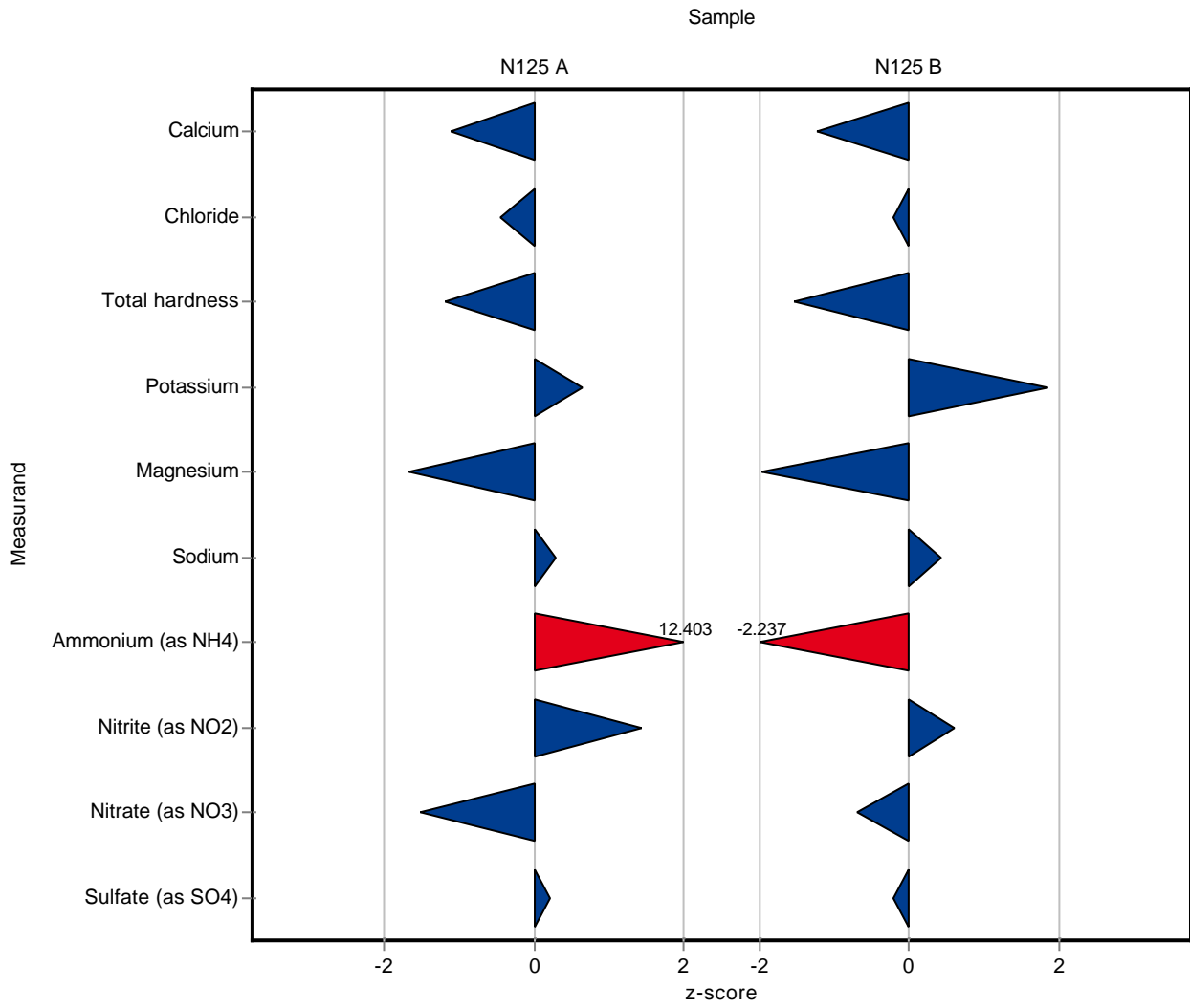
Sample: N125A

Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
Alkalinity Ks 4,3	mmol/l	5.13 ± 0.0406	-	-	0.0822	-	-
Boron	mg/l	0.0561 ± 0.00407	-	-	0.00576	-	-
Calcium	mg/l	84.5 ± 0.994	82.4	8	1.87	97.5	-1.12
Chloride	mg/l	35.5 ± 0.371	35.2	3	0.71	99.1	-0.43
DOC (as C)	mg/l	0.789 ± 0.0751	-	-	0.123	-	-
Total-P (as PO4)	mg/l	0.188 ± 0.00875	-	-	0.0143	-	-
Total hardness	°d	17.2 ± 0.279	16.6	1.5	0.526	96.4	-1.18
Hydrogen carbonate	mg/l	311 ± 2.1	-	-	3.77	-	-
Potassium	mg/l	3.99 ± 0.0876	4.1	0.4	0.173	102.8	0.65
El. conductivity (25°C)	µS/c	659 ± 4.22	-	-	8.44	-	-
Magnesium	mg/l	23.5 ± 0.376	22.2	2	0.753	94.7	-1.66
Sodium	mg/l	18.9 ± 0.221	19	2	0.423	100.7	0.30
Ammonium (as NH4)	mg/l	0.104 ± 0.00531	0.23	0.02	0.0102	221.4	12.40
Nitrite (as NO2)	mg/l	0.18 ± 0.00409	0.19	0.02	0.00721	105.7	1.43
Nitrate (as NO3)	mg/l	7.47 ± 0.133	7.1	0.8	0.247	95.0	-1.51
Orthophosphate (as PO4)	mg/l	0.109 ± 0.00298	-	-	0.00496	-	-
Sulfate (as SO4)	mg/l	40.6 ± 0.63	40.9	4	1.13	100.6	0.22

Sample: N125B

Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
Alkalinity Ks 4,3	mmol/l	3.82 ± 0.0323	-	-	0.0637	-	-
Boron	mg/l	0.0192 ± 0.00201	-	-	0.00259	-	-
Calcium	mg/l	67.4 ± 0.89	65.3	6	1.73	96.8	-1.24
Chloride	mg/l	31.4 ± 0.409	31.2	3	0.817	99.4	-0.22
DOC (as C)	mg/l	2.29 ± 0.0987	-	-	0.168	-	-
Total-P (as PO4)	mg/l	0.117 ± 0.00634	-	-	0.0108	-	-
Total hardness	°d	12.9 ± 0.189	12.4	1.2	0.345	95.9	-1.54
Hydrogen carbonate	mg/l	232 ± 2.04	-	-	3.67	-	-
Potassium	mg/l	2.42 ± 0.0768	2.7	0.2	0.151	111.6	1.85
El. conductivity (25°C)	µS/c	527 ± 4.01	-	-	8.01	-	-
Magnesium	mg/l	15.1 ± 0.234	14.2	1	0.462	94.0	-1.97
Sodium	mg/l	20 ± 0.246	20.2	2	0.472	101.0	0.41
Ammonium (as NH4)	mg/l	0.0446 ± 0.00341	0.03	0.01	0.00654	67.2	-2.24
Nitrite (as NO2)	mg/l	0.0677 ± 0.00219	0.07	0.01	0.00393	103.5	0.59
Nitrate (as NO3)	mg/l	12 ± 0.18	11.8	1	0.345	98.0	-0.70

Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
Orthophosphate (as PO4)	mg/l	0.102 ± 0.00523	-	-	0.00923	-	-
Sulfate (as SO4)	mg/l	30 ± 0.419	29.8	3	0.726	99.5	-0.21



The following results were achieved:

Sample: N125A

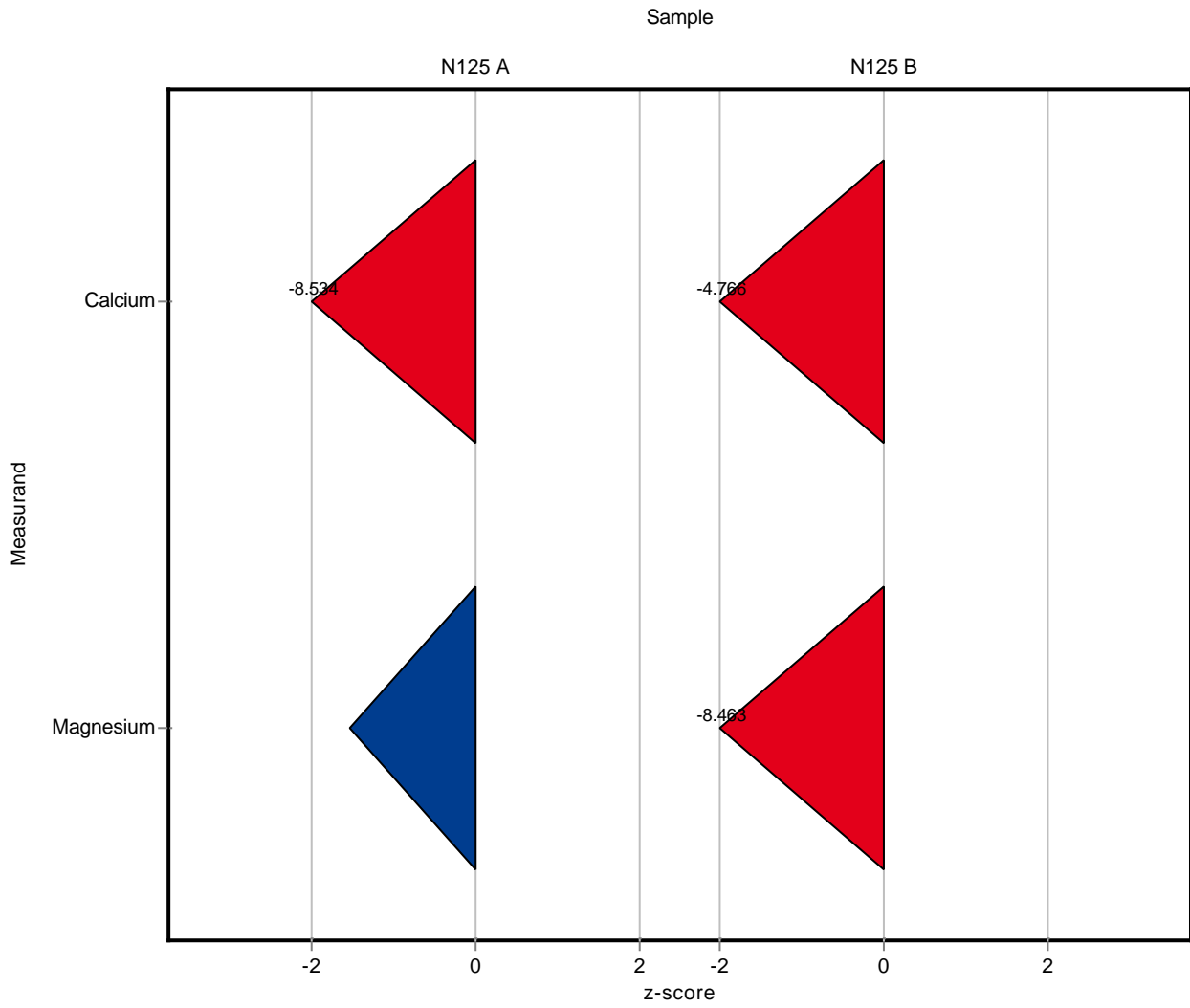
Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
Alkalinity Ks 4,3	mmol/l	5.13 ± 0.0406	-	-	0.0822	-	-
Boron	mg/l	0.0561 ± 0.00407	-	-	0.00576	-	-
Calcium	mg/l	84.5 ± 0.994	68.5	-	1.87	81.1	-8.53
Chloride	mg/l	35.5 ± 0.371	-	-	0.71	-	-
DOC (as C)	mg/l	0.789 ± 0.0751	-	-	0.123	-	-
Total-P (as PO4)	mg/l	0.188 ± 0.00875	-	-	0.0143	-	-
Total hardness	°d	17.2 ± 0.279	-	-	0.526	-	-
Hydrogen carbonate	mg/l	311 ± 2.1	-	-	3.77	-	-
Potassium	mg/l	3.99 ± 0.0876	-	-	0.173	-	-
El. conductivity (25°C)	µS/c	659 ± 4.22	-	-	8.44	-	-
Magnesium	mg/l	23.5 ± 0.376	22.3	-	0.753	95.1	-1.53
Sodium	mg/l	18.9 ± 0.221	-	-	0.423	-	-
Ammonium (as NH4)	mg/l	0.104 ± 0.00531	-	-	0.0102	-	-
Nitrite (as NO2)	mg/l	0.18 ± 0.00409	-	-	0.00721	-	-
Nitrate (as NO3)	mg/l	7.47 ± 0.133	-	-	0.247	-	-
Orthophosphate (as PO4)	mg/l	0.109 ± 0.00298	-	-	0.00496	-	-
Sulfate (as SO4)	mg/l	40.6 ± 0.63	-	-	1.13	-	-

Sample: N125B

Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
Alkalinity Ks 4,3	mmol/l	3.82 ± 0.0323	-	-	0.0637	-	-
Boron	mg/l	0.0192 ± 0.00201	-	-	0.00259	-	-
Calcium	mg/l	67.4 ± 0.89	59.2	-	1.73	87.8	-4.77
Chloride	mg/l	31.4 ± 0.409	-	-	0.817	-	-
DOC (as C)	mg/l	2.29 ± 0.0987	-	-	0.168	-	-
Total-P (as PO4)	mg/l	0.117 ± 0.00634	-	-	0.0108	-	-
Total hardness	°d	12.9 ± 0.189	-	-	0.345	-	-
Hydrogen carbonate	mg/l	232 ± 2.04	-	-	3.67	-	-
Potassium	mg/l	2.42 ± 0.0768	-	-	0.151	-	-
El. conductivity (25°C)	µS/c	527 ± 4.01	-	-	8.01	-	-
Magnesium	mg/l	15.1 ± 0.234	11.2	-	0.462	74.1	-8.46
Sodium	mg/l	20 ± 0.246	-	-	0.472	-	-
Ammonium (as NH4)	mg/l	0.0446 ± 0.00341	-	-	0.00654	-	-
Nitrite (as NO2)	mg/l	0.0677 ± 0.00219	-	-	0.00393	-	-
Nitrate (as NO3)	mg/l	12 ± 0.18	-	-	0.345	-	-

Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
Orthophosphate (as PO <sub>4</sub> )	mg/l	0.102 ± 0.00523	-	-	0.00923	-	-
Sulfate (as SO <sub>4</sub> )	mg/l	30 ± 0.419	-	-	0.726	-	-





The following results were achieved:

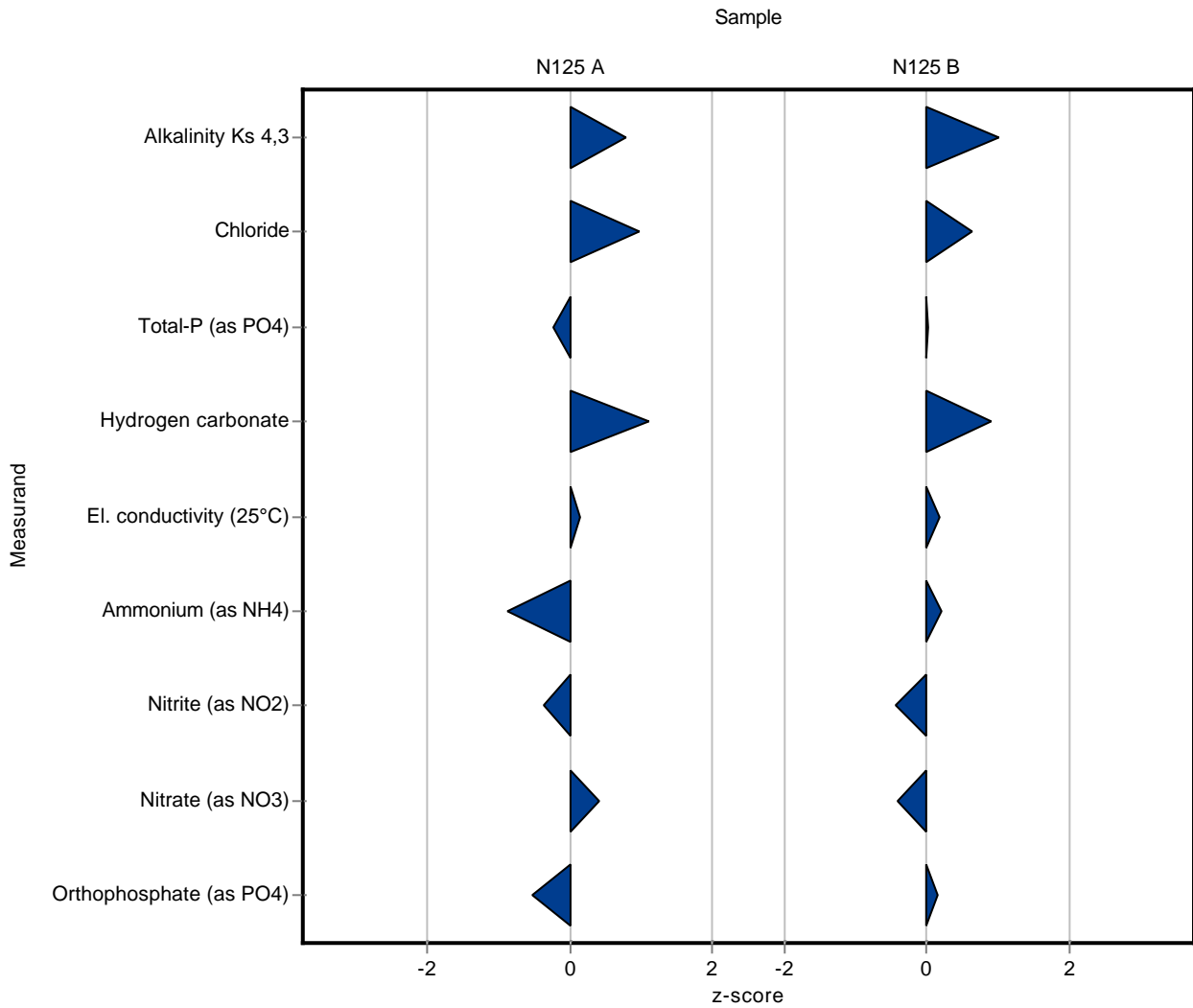
Sample: N125A

Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
Alkalinity Ks 4,3	mmol/l	5.13 ± 0.0406	5.2	-	0.0822	101.3	0.79
Boron	mg/l	0.0561 ± 0.00407	-	-	0.00576	-	-
Calcium	mg/l	84.5 ± 0.994	-	-	1.87	-	-
Chloride	mg/l	35.5 ± 0.371	36.2	-	0.71	101.9	0.97
DOC (as C)	mg/l	0.789 ± 0.0751	-	-	0.123	-	-
Total-P (as PO4)	mg/l	0.188 ± 0.00875	0.185	-	0.0143	98.3	-0.23
Total hardness	°d	17.2 ± 0.279	-	-	0.526	-	-
Hydrogen carbonate	mg/l	311 ± 2.1	315	-	3.77	101.3	1.10
Potassium	mg/l	3.99 ± 0.0876	-	-	0.173	-	-
El. conductivity (25°C)	µS/c	659 ± 4.22	660	-	8.44	100.2	0.14
Magnesium	mg/l	23.5 ± 0.376	-	-	0.753	-	-
Sodium	mg/l	18.9 ± 0.221	-	-	0.423	-	-
Ammonium (as NH4)	mg/l	0.104 ± 0.00531	0.095	-	0.0102	91.4	-0.87
Nitrite (as NO2)	mg/l	0.18 ± 0.00409	0.177	-	0.00721	98.5	-0.38
Nitrate (as NO3)	mg/l	7.47 ± 0.133	7.57	-	0.247	101.3	0.40
Orthophosphate (as PO4)	mg/l	0.109 ± 0.00298	0.106	-	0.00496	97.6	-0.53
Sulfate (as SO4)	mg/l	40.6 ± 0.63	-	-	1.13	-	-

Sample: N125B

Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
Alkalinity Ks 4,3	mmol/l	3.82 ± 0.0323	3.89	-	0.0637	101.7	1.02
Boron	mg/l	0.0192 ± 0.00201	-	-	0.00259	-	-
Calcium	mg/l	67.4 ± 0.89	-	-	1.73	-	-
Chloride	mg/l	31.4 ± 0.409	31.9	-	0.817	101.7	0.64
DOC (as C)	mg/l	2.29 ± 0.0987	-	-	0.168	-	-
Total-P (as PO4)	mg/l	0.117 ± 0.00634	0.117	-	0.0108	100.3	0.03
Total hardness	°d	12.9 ± 0.189	-	-	0.345	-	-
Hydrogen carbonate	mg/l	232 ± 2.04	235	-	3.67	101.4	0.90
Potassium	mg/l	2.42 ± 0.0768	-	-	0.151	-	-
El. conductivity (25°C)	µS/c	527 ± 4.01	528	-	8.01	100.3	0.19
Magnesium	mg/l	15.1 ± 0.234	-	-	0.462	-	-
Sodium	mg/l	20 ± 0.246	-	-	0.472	-	-
Ammonium (as NH4)	mg/l	0.0446 ± 0.00341	0.046	-	0.00654	103.1	0.21
Nitrite (as NO2)	mg/l	0.0677 ± 0.00219	0.066	-	0.00393	97.5	-0.42
Nitrate (as NO3)	mg/l	12 ± 0.18	11.9	-	0.345	98.8	-0.41

Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
Orthophosphate (as PO <sub>4</sub> )	mg/l	0.102 ± 0.00523	0.103	-	0.00923	101.3	0.15
Sulfate (as SO <sub>4</sub> )	mg/l	30 ± 0.419	-	-	0.726	-	-



The following results were achieved:

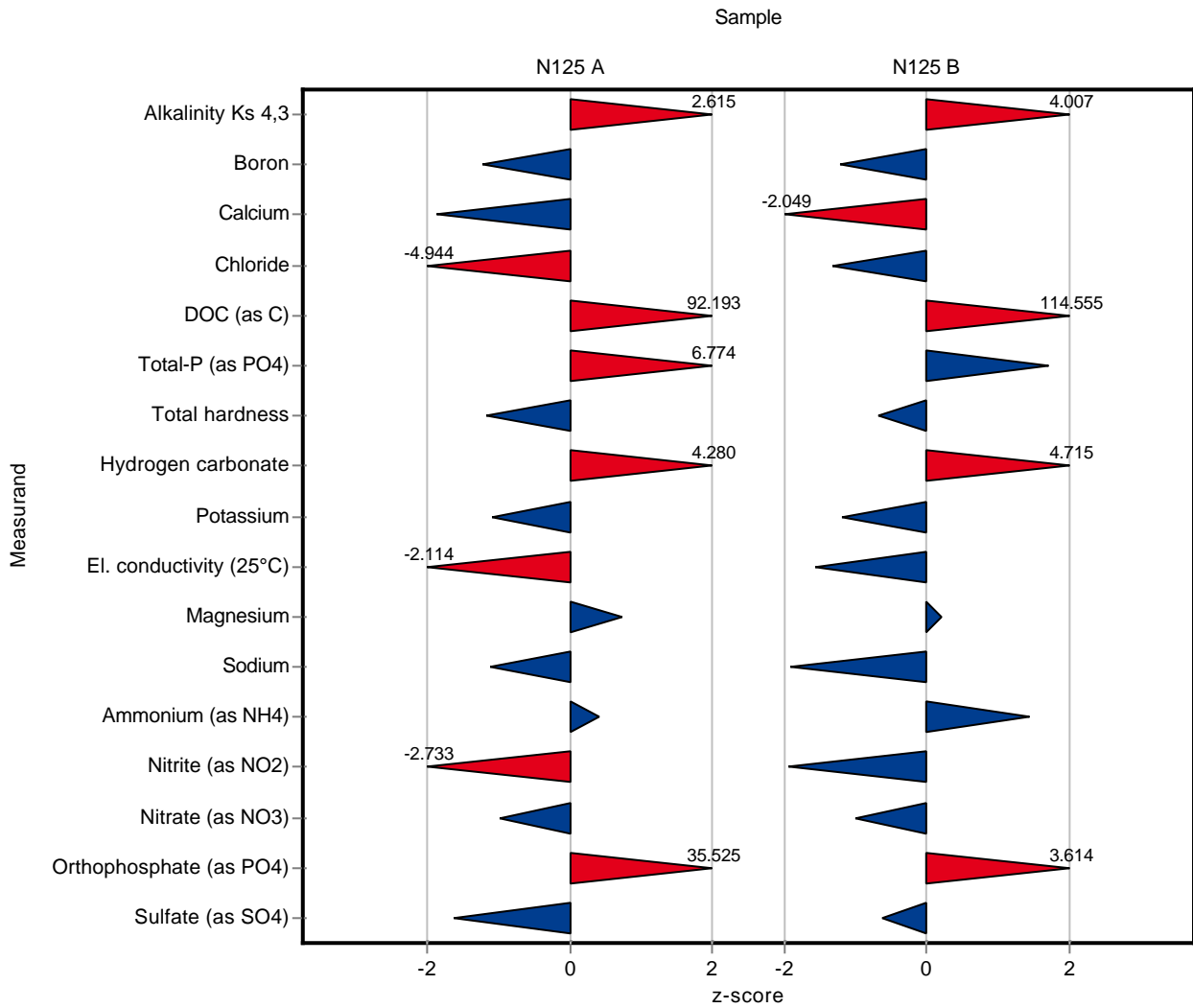
Sample: N125A

Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
Alkalinity Ks 4,3	mmol/l	5.13 ± 0.0406	5.35	-	0.0822	104.2	2.62
Boron	mg/l	0.0561 ± 0.00407	0.049	-	0.00576	87.3	-1.24
Calcium	mg/l	84.5 ± 0.994	81	-	1.87	95.9	-1.86
Chloride	mg/l	35.5 ± 0.371	32	-	0.71	90.1	-4.94
DOC (as C)	mg/l	0.789 ± 0.0751	12.1	-	0.123	1534.0	92.19
Total-P (as PO4)	mg/l	0.188 ± 0.00875	0.285	-	0.0143	151.4	6.77
Total hardness	°d	17.2 ± 0.279	16.6	-	0.526	96.4	-1.18
Hydrogen carbonate	mg/l	311 ± 2.1	327	-	3.77	105.2	4.28
Potassium	mg/l	3.99 ± 0.0876	3.8	-	0.173	95.3	-1.09
El. conductivity (25°C)	µS/c	659 ± 4.22	641	-	8.44	97.3	-2.11
Magnesium	mg/l	23.5 ± 0.376	24	-	0.753	102.3	0.73
Sodium	mg/l	18.9 ± 0.221	18.4	-	0.423	97.5	-1.12
Ammonium (as NH4)	mg/l	0.104 ± 0.00531	0.108	-	0.0102	104.0	0.40
Nitrite (as NO2)	mg/l	0.18 ± 0.00409	0.16	-	0.00721	89.0	-2.73
Nitrate (as NO3)	mg/l	7.47 ± 0.133	7.23	-	0.247	96.8	-0.98
Orthophosphate (as PO4)	mg/l	0.109 ± 0.00298	0.285	-	0.00496	262.4	35.52
Sulfate (as SO4)	mg/l	40.6 ± 0.63	38.8	-	1.13	95.4	-1.64

Sample: N125B

Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
Alkalinity Ks 4,3	mmol/l	3.82 ± 0.0323	4.08	-	0.0637	106.7	4.01
Boron	mg/l	0.0192 ± 0.00201	0.016	-	0.00259	83.5	-1.22
Calcium	mg/l	67.4 ± 0.89	63.9	-	1.73	94.7	-2.05
Chloride	mg/l	31.4 ± 0.409	30.3	-	0.817	96.6	-1.32
DOC (as C)	mg/l	2.29 ± 0.0987	21.5	-	0.168	940.6	114.55
Total-P (as PO4)	mg/l	0.117 ± 0.00634	0.135	-	0.0108	115.7	1.70
Total hardness	°d	12.9 ± 0.189	12.7	-	0.345	98.2	-0.67
Hydrogen carbonate	mg/l	232 ± 2.04	249	-	3.67	107.5	4.71
Potassium	mg/l	2.42 ± 0.0768	2.24	-	0.151	92.6	-1.19
El. conductivity (25°C)	µS/c	527 ± 4.01	514	-	8.01	97.6	-1.56
Magnesium	mg/l	15.1 ± 0.234	15.2	-	0.462	100.6	0.20
Sodium	mg/l	20 ± 0.246	19.1	-	0.472	95.5	-1.92
Ammonium (as NH4)	mg/l	0.0446 ± 0.00341	0.054	-	0.00654	121.0	1.43
Nitrite (as NO2)	mg/l	0.0677 ± 0.00219	0.06	-	0.00393	88.7	-1.95
Nitrate (as NO3)	mg/l	12 ± 0.18	11.7	-	0.345	97.2	-0.99

Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
Orthophosphate (as PO <sub>4</sub> )	mg/l	0.102 ± 0.00523	0.135	-	0.00923	132.8	3.61
Sulfate (as SO <sub>4</sub> )	mg/l	30 ± 0.419	29.5	-	0.726	98.5	-0.63



The following results were achieved:

Sample: N125A

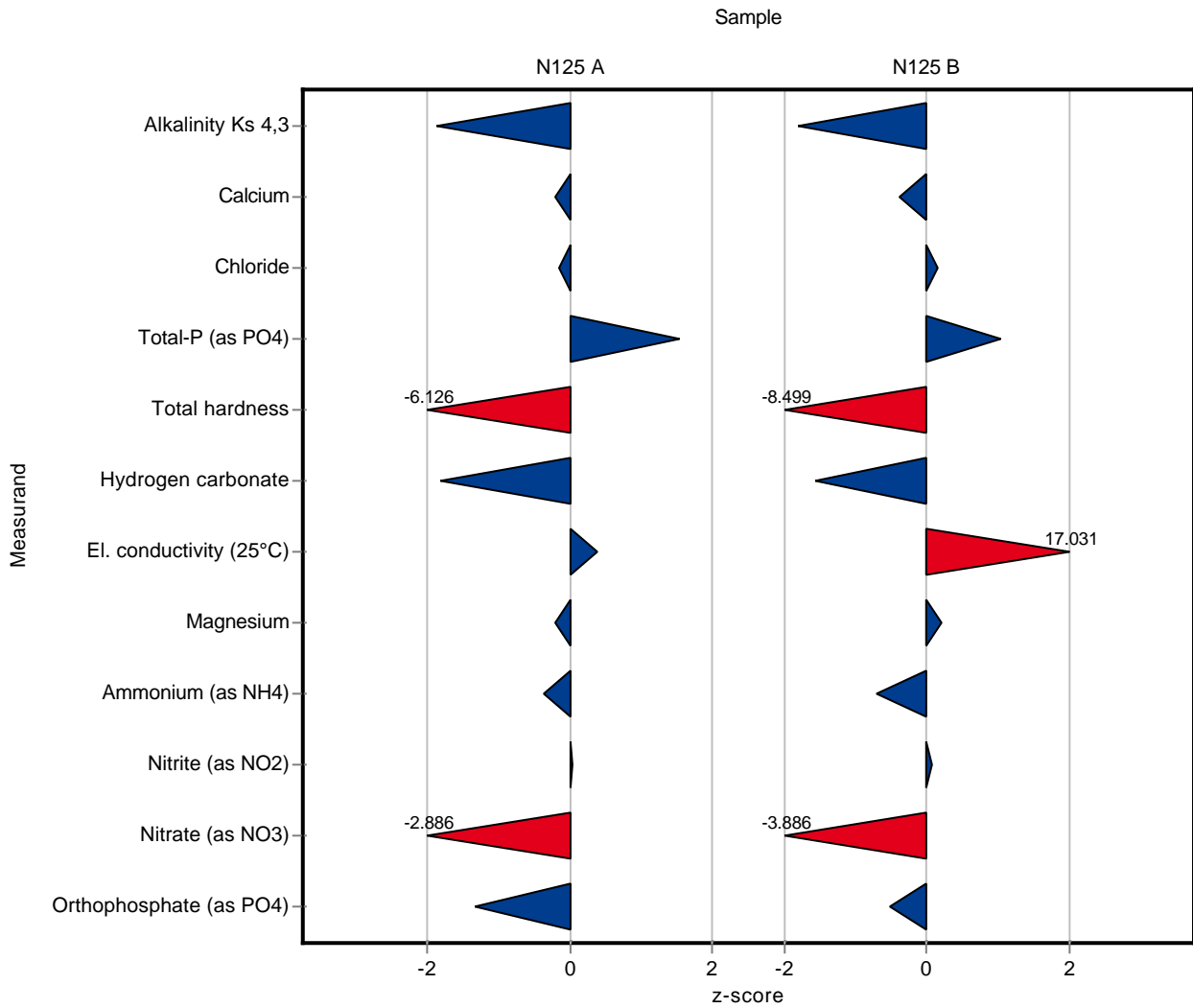
Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
Alkalinity Ks 4,3	mmol/l	5.13 ± 0.0406	4.98	-	0.0822	97.0	-1.88
Boron	mg/l	0.0561 ± 0.00407	-	-	0.00576	-	-
Calcium	mg/l	84.5 ± 0.994	84.1	-	1.87	99.5	-0.21
Chloride	mg/l	35.5 ± 0.371	35.4	-	0.71	99.7	-0.15
DOC (as C)	mg/l	0.789 ± 0.0751	-	-	0.123	-	-
Total-P (as PO4)	mg/l	0.188 ± 0.00875	0.21	-	0.0143	111.6	1.52
Total hardness	°d	17.2 ± 0.279	14	-	0.526	81.3	-6.13
Hydrogen carbonate	mg/l	311 ± 2.1	304	-	3.77	97.8	-1.82
Potassium	mg/l	3.99 ± 0.0876	-	-	0.173	-	-
El. conductivity (25°C)	µS/c	659 ± 4.22	662	-	8.44	100.5	0.38
Magnesium	mg/l	23.5 ± 0.376	23.3	-	0.753	99.4	-0.20
Sodium	mg/l	18.9 ± 0.221	-	-	0.423	-	-
Ammonium (as NH4)	mg/l	0.104 ± 0.00531	0.1	-	0.0102	96.3	-0.38
Nitrite (as NO2)	mg/l	0.18 ± 0.00409	0.18	-	0.00721	100.2	0.04
Nitrate (as NO3)	mg/l	7.47 ± 0.133	6.76	-	0.247	90.5	-2.89
Orthophosphate (as PO4)	mg/l	0.109 ± 0.00298	0.102	-	0.00496	93.9	-1.33
Sulfate (as SO4)	mg/l	40.6 ± 0.63	-	-	1.13	-	-

Sample: N125B

Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
Alkalinity Ks 4,3	mmol/l	3.82 ± 0.0323	3.71	-	0.0637	97.0	-1.80
Boron	mg/l	0.0192 ± 0.00201	-	-	0.00259	-	-
Calcium	mg/l	67.4 ± 0.89	66.8	-	1.73	99.0	-0.37
Chloride	mg/l	31.4 ± 0.409	31.5	-	0.817	100.4	0.15
DOC (as C)	mg/l	2.29 ± 0.0987	-	-	0.168	-	-
Total-P (as PO4)	mg/l	0.117 ± 0.00634	0.128	-	0.0108	109.7	1.05
Total hardness	°d	12.9 ± 0.189	10	-	0.345	77.3	-8.50
Hydrogen carbonate	mg/l	232 ± 2.04	226	-	3.67	97.5	-1.55
Potassium	mg/l	2.42 ± 0.0768	-	-	0.151	-	-
El. conductivity (25°C)	µS/c	527 ± 4.01	663	-	8.01	125.9	17.03
Magnesium	mg/l	15.1 ± 0.234	15.2	-	0.462	100.6	0.20
Sodium	mg/l	20 ± 0.246	-	-	0.472	-	-
Ammonium (as NH4)	mg/l	0.0446 ± 0.00341	0.04	-	0.00654	89.6	-0.71
Nitrite (as NO2)	mg/l	0.0677 ± 0.00219	0.068	-	0.00393	100.5	0.09
Nitrate (as NO3)	mg/l	12 ± 0.18	10.7	-	0.345	88.9	-3.89



Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
Orthophosphate (as PO4)	mg/l	0.102 ± 0.00523	0.097	-	0.00923	95.4	-0.50
Sulfate (as SO4)	mg/l	30 ± 0.419	-	-	0.726	-	-



The following results were achieved:

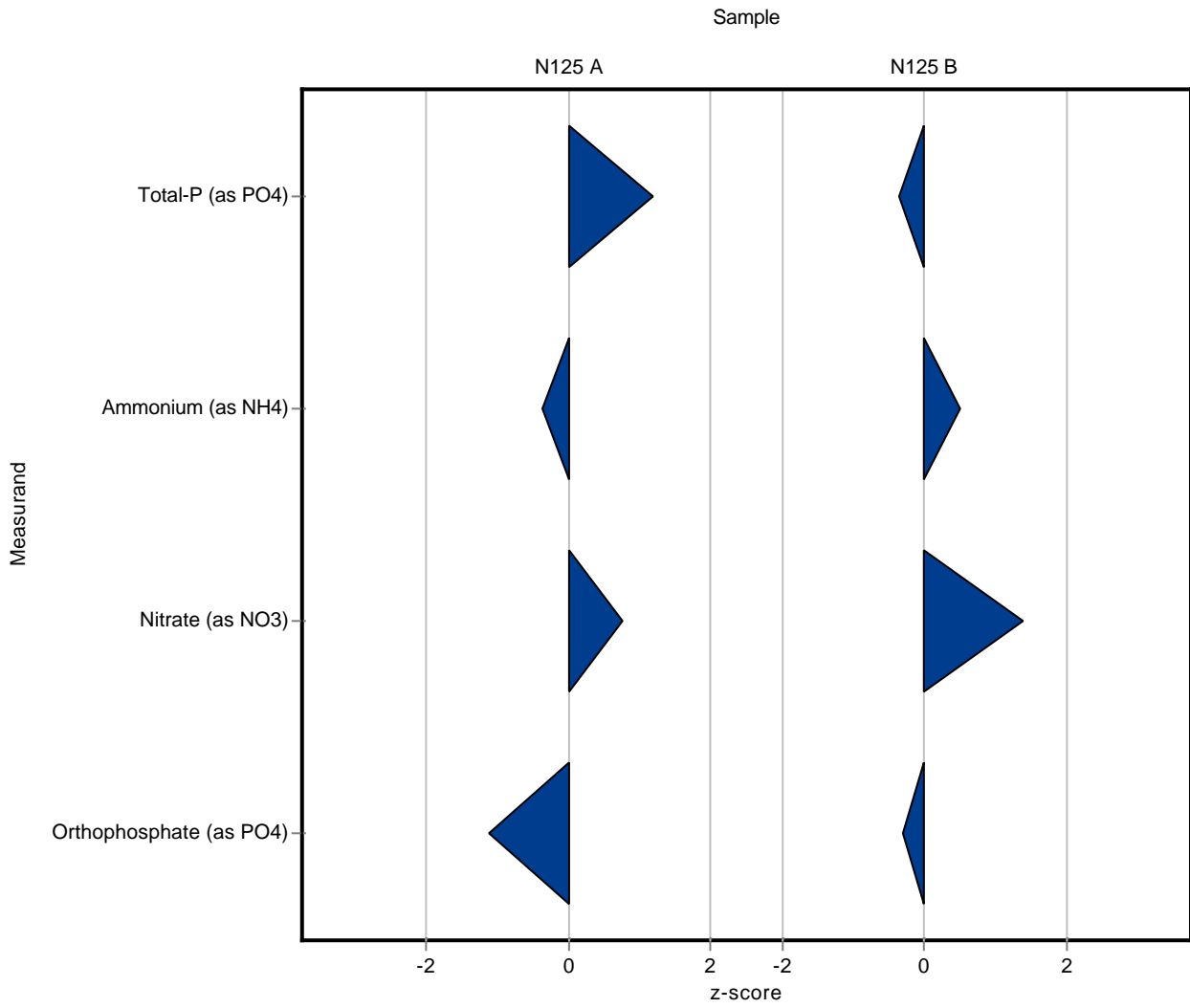
Sample: N125A

Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
Alkalinity Ks 4,3	mmol/l	5.13 ± 0.0406	-	-	0.0822	-	-
Boron	mg/l	0.0561 ± 0.00407	-	-	0.00576	-	-
Calcium	mg/l	84.5 ± 0.994	-	-	1.87	-	-
Chloride	mg/l	35.5 ± 0.371	-	-	0.71	-	-
DOC (as C)	mg/l	0.789 ± 0.0751	-	-	0.123	-	-
Total-P (as PO4)	mg/l	0.188 ± 0.00875	0.205	0.032	0.0143	108.9	1.17
Total hardness	°d	17.2 ± 0.279	-	-	0.526	-	-
Hydrogen carbonate	mg/l	311 ± 2.1	-	-	3.77	-	-
Potassium	mg/l	3.99 ± 0.0876	-	-	0.173	-	-
El. conductivity (25°C)	µS/c	659 ± 4.22	-	-	8.44	-	-
Magnesium	mg/l	23.5 ± 0.376	-	-	0.753	-	-
Sodium	mg/l	18.9 ± 0.221	-	-	0.423	-	-
Ammonium (as NH4)	mg/l	0.104 ± 0.00531	0.1	0.004	0.0102	96.3	-0.38
Nitrite (as NO2)	mg/l	0.18 ± 0.00409	-	-	0.00721	-	-
Nitrate (as NO3)	mg/l	7.47 ± 0.133	7.66	-	0.247	102.5	0.76
Orthophosphate (as PO4)	mg/l	0.109 ± 0.00298	0.103	0.003	0.00496	94.8	-1.13
Sulfate (as SO4)	mg/l	40.6 ± 0.63	-	-	1.13	-	-

Sample: N125B

Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
Alkalinity Ks 4,3	mmol/l	3.82 ± 0.0323	-	-	0.0637	-	-
Boron	mg/l	0.0192 ± 0.00201	-	-	0.00259	-	-
Calcium	mg/l	67.4 ± 0.89	-	-	1.73	-	-
Chloride	mg/l	31.4 ± 0.409	-	-	0.817	-	-
DOC (as C)	mg/l	2.29 ± 0.0987	-	-	0.168	-	-
Total-P (as PO4)	mg/l	0.117 ± 0.00634	0.113	0.017	0.0108	96.8	-0.34
Total hardness	°d	12.9 ± 0.189	-	-	0.345	-	-
Hydrogen carbonate	mg/l	232 ± 2.04	-	-	3.67	-	-
Potassium	mg/l	2.42 ± 0.0768	-	-	0.151	-	-
El. conductivity (25°C)	µS/c	527 ± 4.01	-	-	8.01	-	-
Magnesium	mg/l	15.1 ± 0.234	-	-	0.462	-	-
Sodium	mg/l	20 ± 0.246	-	-	0.472	-	-
Ammonium (as NH4)	mg/l	0.0446 ± 0.00341	0.048	0.001	0.00654	107.6	0.52
Nitrite (as NO2)	mg/l	0.0677 ± 0.00219	-	-	0.00393	-	-
Nitrate (as NO3)	mg/l	12 ± 0.18	12.52	0.04	0.345	104.0	1.39

Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
Orthophosphate (as PO <sub>4</sub> )	mg/l	0.102 ± 0.00523	0.099	0.009	0.00923	97.4	-0.29
Sulfate (as SO <sub>4</sub> )	mg/l	30 ± 0.419	-	-	0.726	-	-



The following results were achieved:

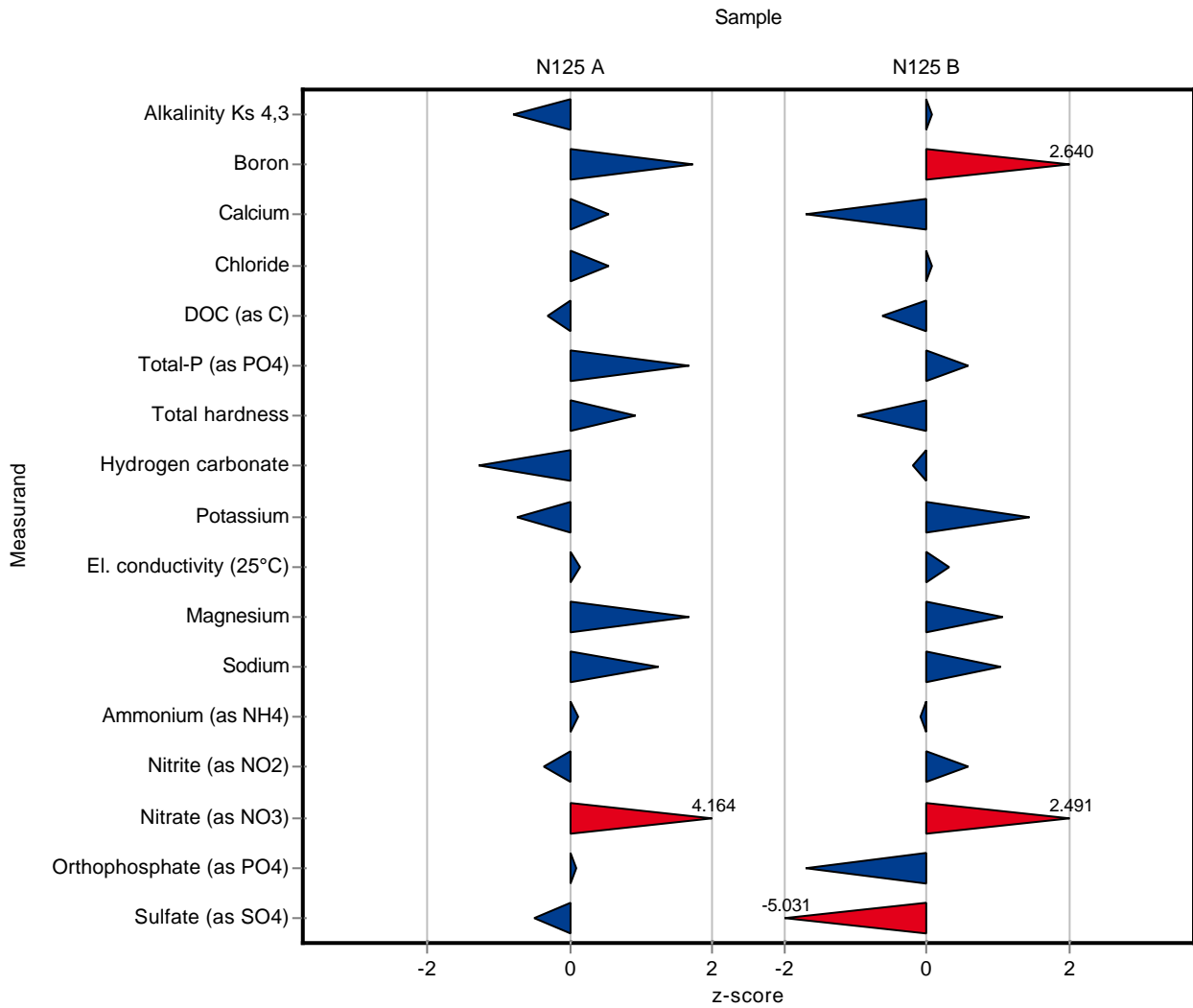
Sample: N125A

Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
Alkalinity Ks 4,3	mmol/l	5.13 ± 0.0406	5.07	0.507	0.0822	98.7	-0.79
Boron	mg/l	0.0561 ± 0.00407	0.066	0.0099	0.00576	117.6	1.71
Calcium	mg/l	84.5 ± 0.994	85.5	12.825	1.87	101.2	0.54
Chloride	mg/l	35.5 ± 0.371	35.9	5.385	0.71	101.1	0.55
DOC (as C)	mg/l	0.789 ± 0.0751	0.75	0.1125	0.123	95.1	-0.32
Total-P (as PO4)	mg/l	0.188 ± 0.00875	0.212	0.0318	0.0143	112.6	1.66
Total hardness	°d	17.2 ± 0.279	17.7	2.655	0.526	102.8	0.91
Hydrogen carbonate	mg/l	311 ± 2.1	306	30.6	3.77	98.4	-1.29
Potassium	mg/l	3.99 ± 0.0876	3.86	0.579	0.173	96.8	-0.74
El. conductivity (25°C)	µS/c	659 ± 4.22	660	19.8	8.44	100.2	0.14
Magnesium	mg/l	23.5 ± 0.376	24.7	3.705	0.753	105.3	1.66
Sodium	mg/l	18.9 ± 0.221	19.4	2.91	0.423	102.8	1.24
Ammonium (as NH4)	mg/l	0.104 ± 0.00531	0.105	0.01575	0.0102	101.1	0.11
Nitrite (as NO2)	mg/l	0.18 ± 0.00409	0.177	0.02655	0.00721	98.5	-0.38
Nitrate (as NO3)	mg/l	7.47 ± 0.133	8.5	1.275	0.247	113.8	4.16
Orthophosphate (as PO4)	mg/l	0.109 ± 0.00298	0.109	0.01635	0.00496	100.3	0.08
Sulfate (as SO4)	mg/l	40.6 ± 0.63	40.07	6.0105	1.13	98.6	-0.51

Sample: N125B

Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
Alkalinity Ks 4,3	mmol/l	3.82 ± 0.0323	3.83	0.383	0.0637	100.1	0.08
Boron	mg/l	0.0192 ± 0.00201	0.026	0.0039	0.00259	135.7	2.64
Calcium	mg/l	67.4 ± 0.89	64.5	9.675	1.73	95.6	-1.70
Chloride	mg/l	31.4 ± 0.409	31.43	4.7145	0.817	100.2	0.07
DOC (as C)	mg/l	2.29 ± 0.0987	2.18	0.327	0.168	95.4	-0.63
Total-P (as PO4)	mg/l	0.117 ± 0.00634	0.123	0.01845	0.0108	105.4	0.59
Total hardness	°d	12.9 ± 0.189	12.6	1.89	0.345	97.4	-0.96
Hydrogen carbonate	mg/l	232 ± 2.04	231	23.1	3.67	99.7	-0.19
Potassium	mg/l	2.42 ± 0.0768	2.64	0.396	0.151	109.1	1.46
El. conductivity (25°C)	µS/c	527 ± 4.01	529	15.87	8.01	100.5	0.31
Magnesium	mg/l	15.1 ± 0.234	15.6	2.34	0.462	103.3	1.06
Sodium	mg/l	20 ± 0.246	20.5	3.075	0.472	102.5	1.05
Ammonium (as NH4)	mg/l	0.0446 ± 0.00341	0.044	0.0066	0.00654	98.6	-0.10
Nitrite (as NO2)	mg/l	0.0677 ± 0.00219	0.07	0.0105	0.00393	103.5	0.59
Nitrate (as NO3)	mg/l	12 ± 0.18	12.9	1.935	0.345	107.1	2.49

Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
Orthophosphate (as PO <sub>4</sub> )	mg/l	0.102 ± 0.00523	0.086	0.0129	0.00923	84.6	-1.70
Sulfate (as SO <sub>4</sub> )	mg/l	30 ± 0.419	26.3	3.945	0.726	87.8	-5.03





The following results were achieved:

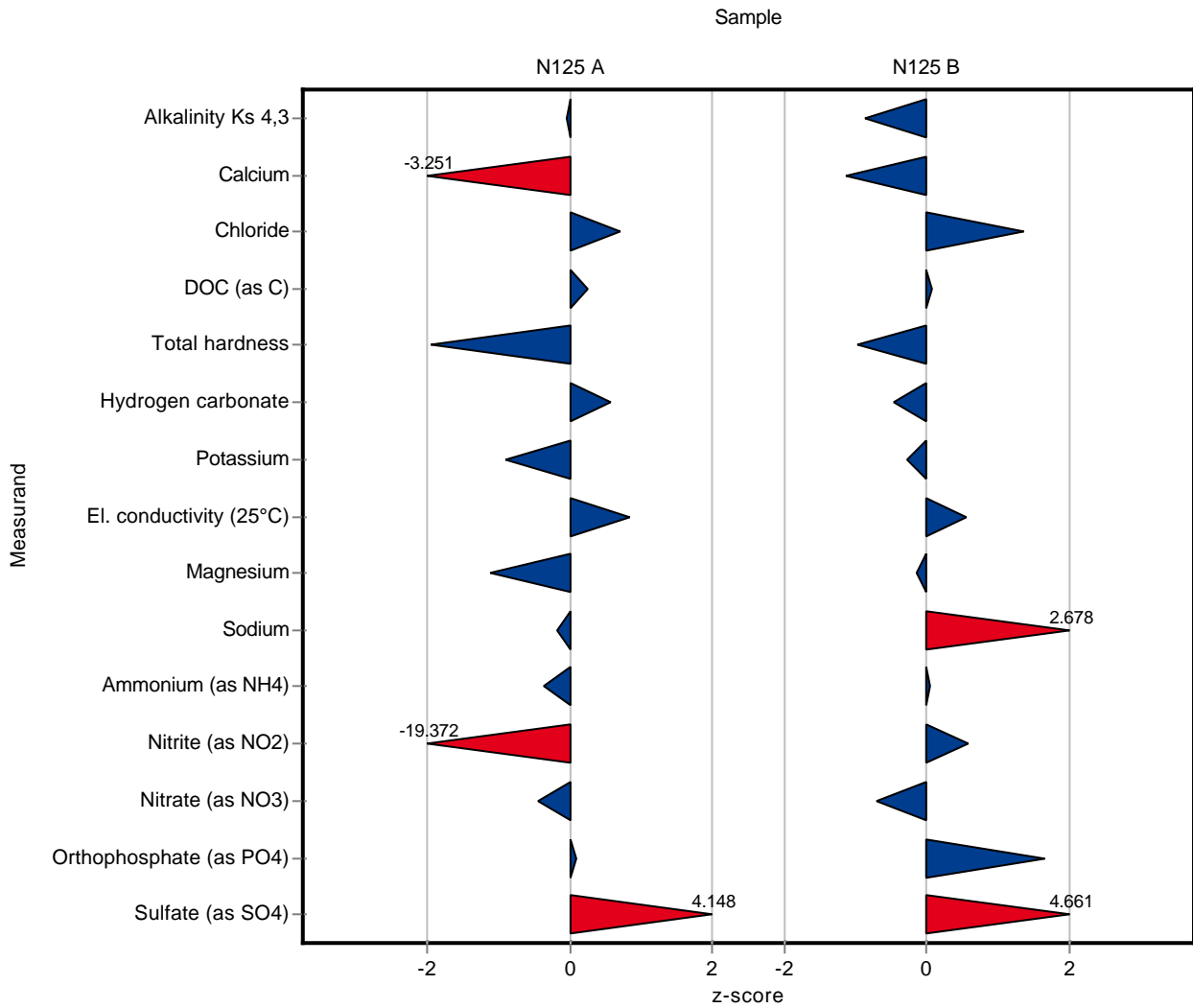
Sample: N125A

Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
Alkalinity Ks 4,3	mmol/l	5.13 ± 0.0406	5.13	-	0.0822	99.9	-0.06
Boron	mg/l	0.0561 ± 0.00407	-	-	0.00576	-	-
Calcium	mg/l	84.5 ± 0.994	78.4	-	1.87	92.8	-3.25
Chloride	mg/l	35.5 ± 0.371	36	-	0.71	101.4	0.69
DOC (as C)	mg/l	0.789 ± 0.0751	0.82	-	0.123	104.0	0.25
Total-P (as PO4)	mg/l	0.188 ± 0.00875	-	-	0.0143	-	-
Total hardness	°d	17.2 ± 0.279	16.2	-	0.526	94.1	-1.94
Hydrogen carbonate	mg/l	311 ± 2.1	313	-	3.77	100.7	0.57
Potassium	mg/l	3.99 ± 0.0876	3.83	-	0.173	96.0	-0.92
El. conductivity (25°C)	µS/c	659 ± 4.22	666	-	8.44	101.1	0.85
Magnesium	mg/l	23.5 ± 0.376	22.6	-	0.753	96.4	-1.13
Sodium	mg/l	18.9 ± 0.221	18.8	-	0.423	99.6	-0.17
Ammonium (as NH4)	mg/l	0.104 ± 0.00531	0.1	-	0.0102	96.3	-0.38
Nitrite (as NO2)	mg/l	0.18 ± 0.00409	0.04	-	0.00721	22.3	-19.37
Nitrate (as NO3)	mg/l	7.47 ± 0.133	7.36	-	0.247	98.5	-0.45
Orthophosphate (as PO4)	mg/l	0.109 ± 0.00298	0.109	-	0.00496	100.3	0.08
Sulfate (as SO4)	mg/l	40.6 ± 0.63	45.34	-	1.13	111.5	4.15

Sample: N125B

Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
Alkalinity Ks 4,3	mmol/l	3.82 ± 0.0323	3.77	-	0.0637	98.6	-0.86
Boron	mg/l	0.0192 ± 0.00201	-	-	0.00259	-	-
Calcium	mg/l	67.4 ± 0.89	65.5	-	1.73	97.1	-1.12
Chloride	mg/l	31.4 ± 0.409	32.5	-	0.817	103.6	1.38
DOC (as C)	mg/l	2.29 ± 0.0987	2.3	-	0.168	100.6	0.08
Total-P (as PO4)	mg/l	0.117 ± 0.00634	-	-	0.0108	-	-
Total hardness	°d	12.9 ± 0.189	12.6	-	0.345	97.4	-0.96
Hydrogen carbonate	mg/l	232 ± 2.04	230	-	3.67	99.3	-0.46
Potassium	mg/l	2.42 ± 0.0768	2.38	-	0.151	98.4	-0.26
El. conductivity (25°C)	µS/c	527 ± 4.01	531	-	8.01	100.9	0.56
Magnesium	mg/l	15.1 ± 0.234	15.05	-	0.462	99.6	-0.13
Sodium	mg/l	20 ± 0.246	21.27	-	0.472	106.3	2.68
Ammonium (as NH4)	mg/l	0.0446 ± 0.00341	0.045	-	0.00654	100.8	0.06
Nitrite (as NO2)	mg/l	0.0677 ± 0.00219	0.07	-	0.00393	103.5	0.59
Nitrate (as NO3)	mg/l	12 ± 0.18	11.8	-	0.345	98.0	-0.70

Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
Orthophosphate (as PO <sub>4</sub> )	mg/l	0.102 ± 0.00523	0.117	-	0.00923	115.1	1.66
Sulfate (as SO <sub>4</sub> )	mg/l	30 ± 0.419	33.34	-	0.726	111.3	4.66



The following results were achieved:

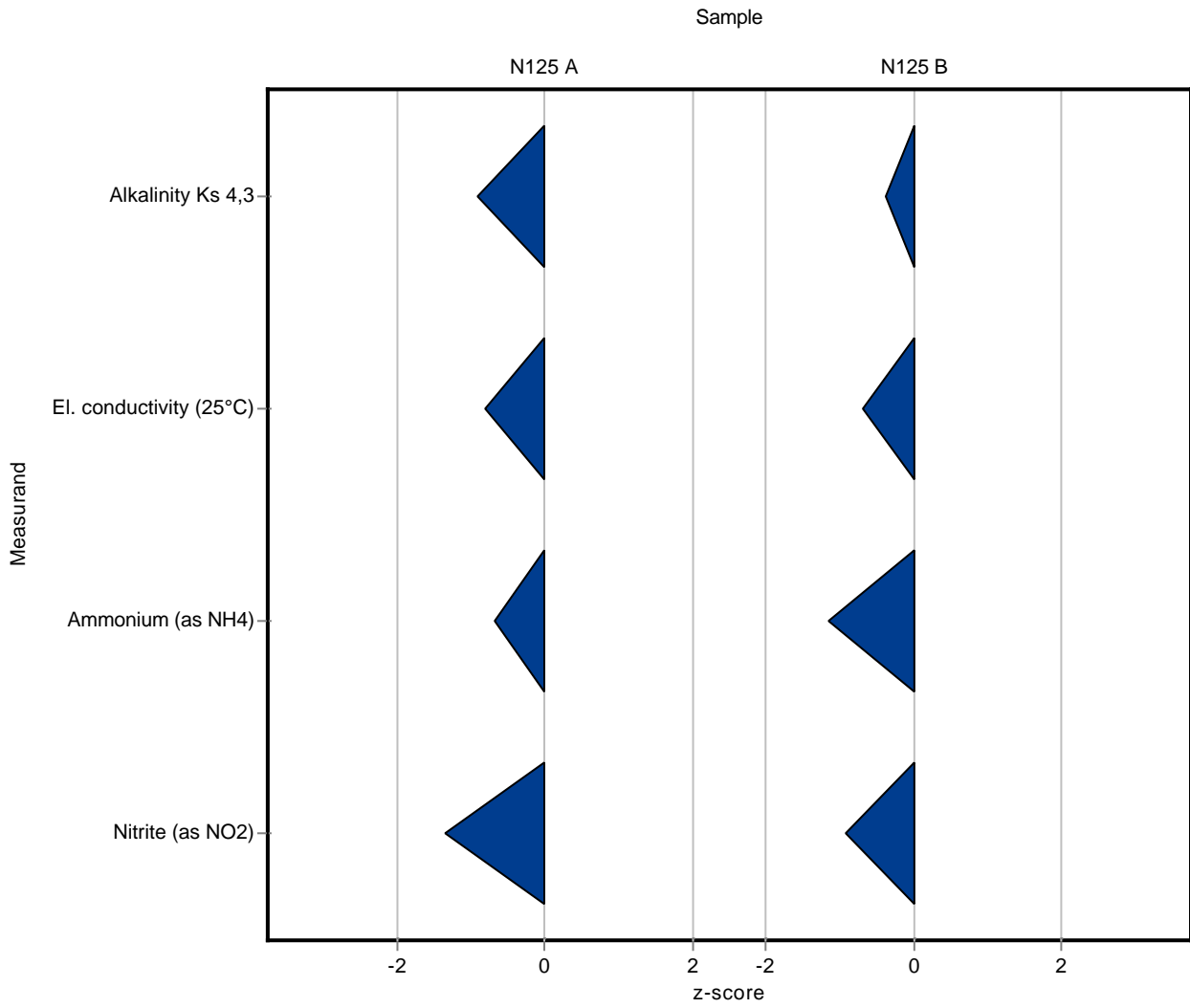
Sample: N125A

Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
Alkalinity Ks 4,3	mmol/l	5.13 ± 0.0406	5.06	0.045	0.0822	98.5	-0.91
Boron	mg/l	0.0561 ± 0.00407	-	-	0.00576	-	-
Calcium	mg/l	84.5 ± 0.994	-	-	1.87	-	-
Chloride	mg/l	35.5 ± 0.371	-	-	0.71	-	-
DOC (as C)	mg/l	0.789 ± 0.0751	-	-	0.123	-	-
Total-P (as PO4)	mg/l	0.188 ± 0.00875	-	-	0.0143	-	-
Total hardness	°d	17.2 ± 0.279	-	-	0.526	-	-
Hydrogen carbonate	mg/l	311 ± 2.1	-	-	3.77	-	-
Potassium	mg/l	3.99 ± 0.0876	-	-	0.173	-	-
El. conductivity (25°C)	µS/c	659 ± 4.22	652	7.17	8.44	99.0	-0.81
Magnesium	mg/l	23.5 ± 0.376	-	-	0.753	-	-
Sodium	mg/l	18.9 ± 0.221	-	-	0.423	-	-
Ammonium (as NH4)	mg/l	0.104 ± 0.00531	0.097	0.01	0.0102	93.4	-0.68
Nitrite (as NO2)	mg/l	0.18 ± 0.00409	0.17	0.018	0.00721	94.6	-1.35
Nitrate (as NO3)	mg/l	7.47 ± 0.133	-	-	0.247	-	-
Orthophosphate (as PO4)	mg/l	0.109 ± 0.00298	-	-	0.00496	-	-
Sulfate (as SO4)	mg/l	40.6 ± 0.63	-	-	1.13	-	-

Sample: N125B

Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
Alkalinity Ks 4,3	mmol/l	3.82 ± 0.0323	3.8	0.034	0.0637	99.3	-0.39
Boron	mg/l	0.0192 ± 0.00201	-	-	0.00259	-	-
Calcium	mg/l	67.4 ± 0.89	-	-	1.73	-	-
Chloride	mg/l	31.4 ± 0.409	-	-	0.817	-	-
DOC (as C)	mg/l	2.29 ± 0.0987	-	-	0.168	-	-
Total-P (as PO4)	mg/l	0.117 ± 0.00634	-	-	0.0108	-	-
Total hardness	°d	12.9 ± 0.189	-	-	0.345	-	-
Hydrogen carbonate	mg/l	232 ± 2.04	-	-	3.67	-	-
Potassium	mg/l	2.42 ± 0.0768	-	-	0.151	-	-
El. conductivity (25°C)	µS/c	527 ± 4.01	521	5.73	8.01	99.0	-0.69
Magnesium	mg/l	15.1 ± 0.234	-	-	0.462	-	-
Sodium	mg/l	20 ± 0.246	-	-	0.472	-	-
Ammonium (as NH4)	mg/l	0.0446 ± 0.00341	0.037	0.0038	0.00654	82.9	-1.17
Nitrite (as NO2)	mg/l	0.0677 ± 0.00219	0.064	0.0069	0.00393	94.6	-0.93
Nitrate (as NO3)	mg/l	12 ± 0.18	-	-	0.345	-	-

Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
Orthophosphate (as PO <sub>4</sub> )	mg/l	0.102 ± 0.00523	-	-	0.00923	-	-
Sulfate (as SO <sub>4</sub> )	mg/l	30 ± 0.419	-	-	0.726	-	-



The following results were achieved:

Sample: N125A

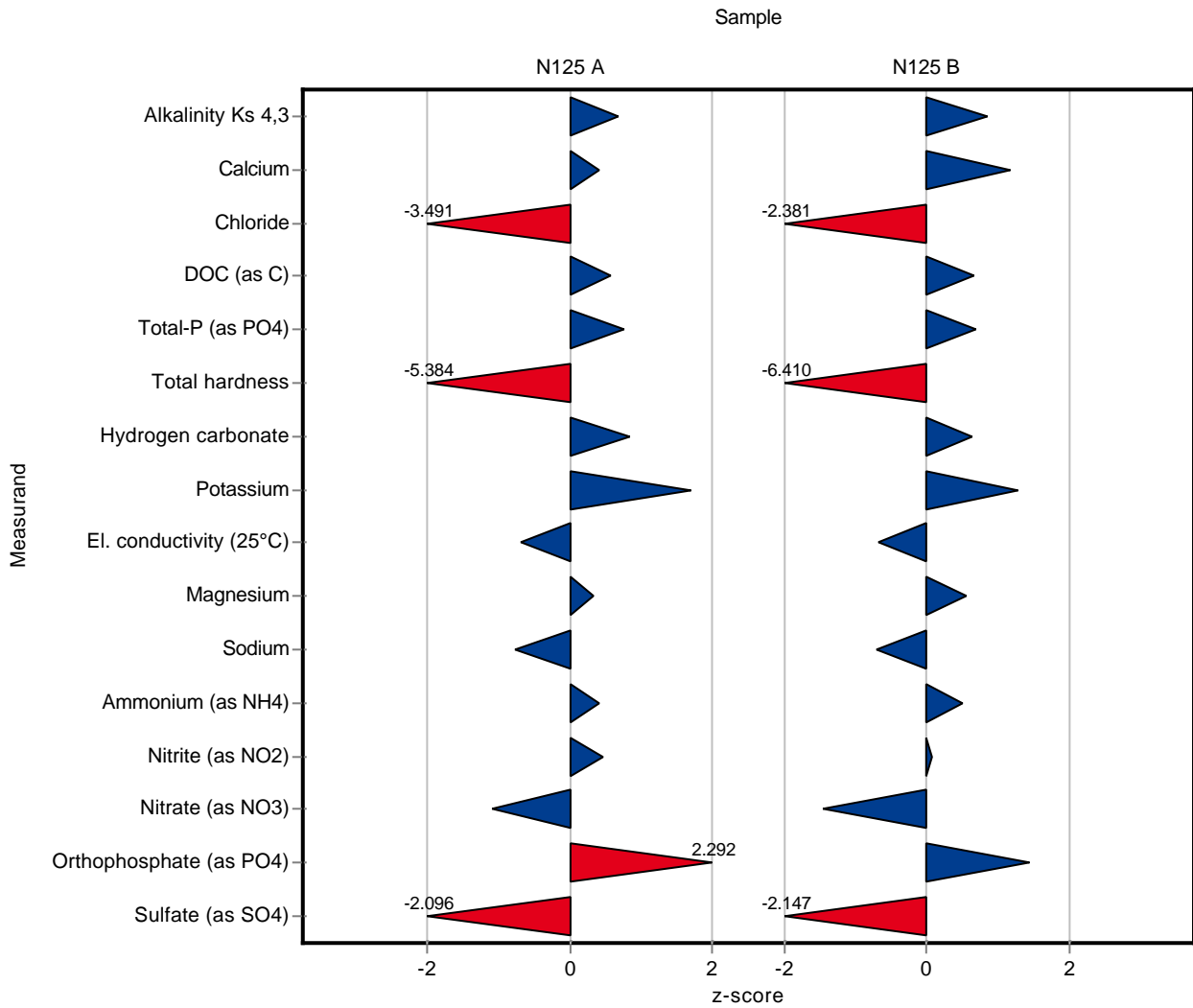
Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
Alkalinity Ks 4,3	mmol/l	5.13 ± 0.0406	5.19	0.5	0.0822	101.1	0.67
Boron	mg/l	0.0561 ± 0.00407	-	-	0.00576	-	-
Calcium	mg/l	84.5 ± 0.994	85.236	8.5	1.87	100.9	0.40
Chloride	mg/l	35.5 ± 0.371	33.031	3.3	0.71	93.0	-3.49
DOC (as C)	mg/l	0.789 ± 0.0751	0.86	0.09	0.123	109.0	0.58
Total-P (as PO4)	mg/l	0.188 ± 0.00875	0.199	0.02	0.0143	105.7	0.75
Total hardness	°d	17.2 ± 0.279	14.39	-	0.526	83.6	-5.38
Hydrogen carbonate	mg/l	311 ± 2.1	314	-	3.77	101.0	0.83
Potassium	mg/l	3.99 ± 0.0876	4.283	0.5	0.173	107.4	1.70
El. conductivity (25°C)	µS/c	659 ± 4.22	653	4.51	8.44	99.1	-0.69
Magnesium	mg/l	23.5 ± 0.376	23.704	2.4	0.753	101.1	0.34
Sodium	mg/l	18.9 ± 0.221	18.548	1.6	0.423	98.3	-0.77
Ammonium (as NH4)	mg/l	0.104 ± 0.00531	0.108	0.01	0.0102	104.0	0.40
Nitrite (as NO2)	mg/l	0.18 ± 0.00409	0.183	0.02	0.00721	101.8	0.46
Nitrate (as NO3)	mg/l	7.47 ± 0.133	7.2	0.4	0.247	96.4	-1.10
Orthophosphate (as PO4)	mg/l	0.109 ± 0.00298	0.12	0.01	0.00496	110.5	2.29
Sulfate (as SO4)	mg/l	40.6 ± 0.63	38.279	3.6	1.13	94.2	-2.10

Sample: N125B

Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
Alkalinity Ks 4,3	mmol/l	3.82 ± 0.0323	3.88	0.4	0.0637	101.4	0.87
Boron	mg/l	0.0192 ± 0.00201	-	-	0.00259	-	-
Calcium	mg/l	67.4 ± 0.89	69.476	7	1.73	103.0	1.17
Chloride	mg/l	31.4 ± 0.409	29.431	2.9	0.817	93.8	-2.38
DOC (as C)	mg/l	2.29 ± 0.0987	2.398	0.24	0.168	104.9	0.67
Total-P (as PO4)	mg/l	0.117 ± 0.00634	0.124	0.012	0.0108	106.3	0.68
Total hardness	°d	12.9 ± 0.189	10.72	-	0.345	82.9	-6.41
Hydrogen carbonate	mg/l	232 ± 2.04	234	-	3.67	101.0	0.63
Potassium	mg/l	2.42 ± 0.0768	2.614	0.3	0.151	108.0	1.28
El. conductivity (25°C)	µS/c	527 ± 4.01	521	4.51	8.01	99.0	-0.69
Magnesium	mg/l	15.1 ± 0.234	15.36	1.5	0.462	101.7	0.55
Sodium	mg/l	20 ± 0.246	19.67	1.7	0.472	98.3	-0.71
Ammonium (as NH4)	mg/l	0.0446 ± 0.00341	0.048	0.005	0.00654	107.6	0.52
Nitrite (as NO2)	mg/l	0.0677 ± 0.00219	0.068	0.007	0.00393	100.5	0.09
Nitrate (as NO3)	mg/l	12 ± 0.18	11.54	0.6	0.345	95.8	-1.45

Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
Orthophosphate (as PO <sub>4</sub> )	mg/l	0.102 ± 0.00523	0.115	0.01	0.00923	113.1	1.45
Sulfate (as SO <sub>4</sub> )	mg/l	30 ± 0.419	28.395	2.6	0.726	94.8	-2.15





The following results were achieved:

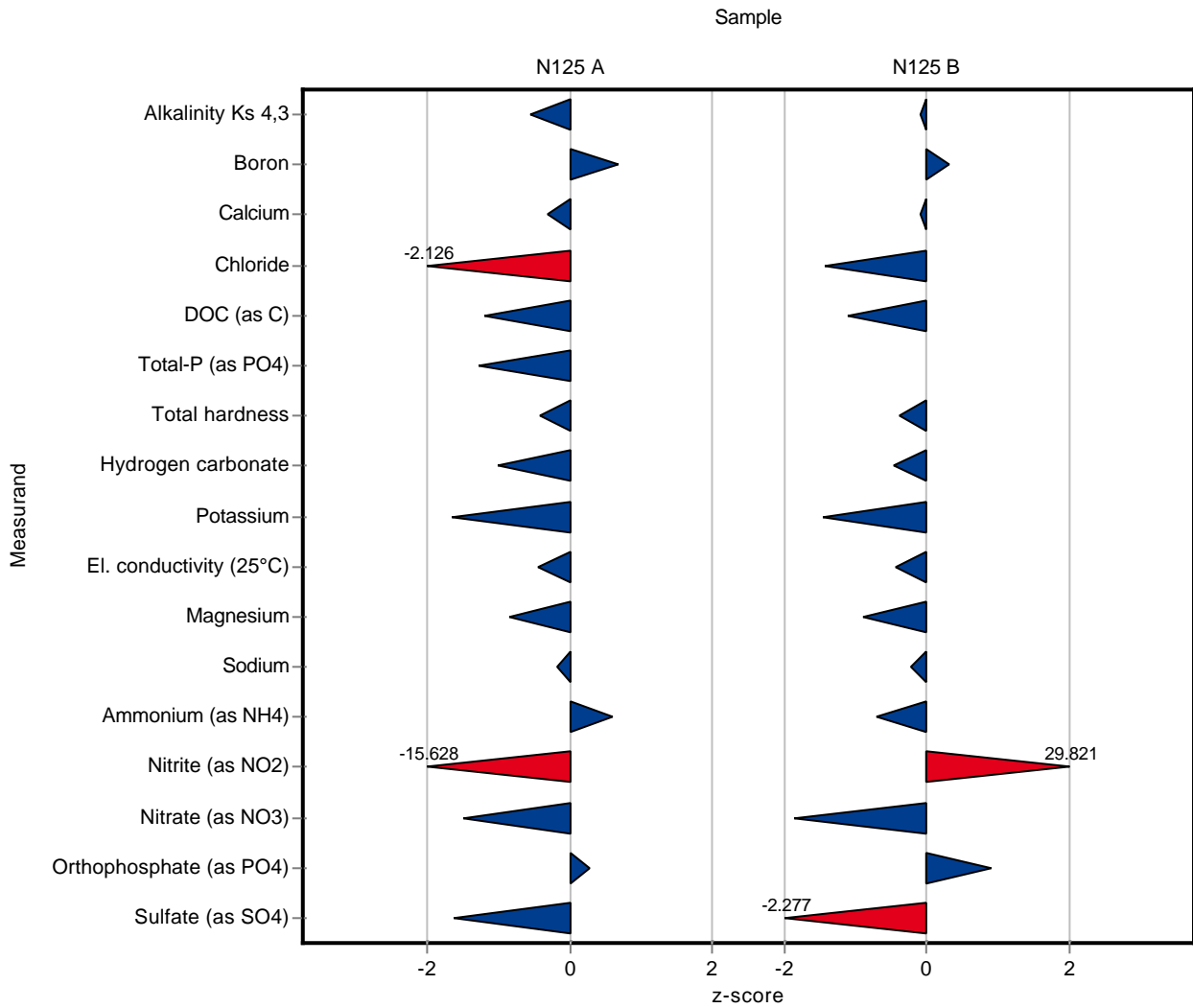
Sample: N125A

Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
Alkalinity Ks 4,3	mmol/l	5.13 ± 0.0406	5.09	0.2	0.0822	99.1	-0.55
Boron	mg/l	0.0561 ± 0.00407	0.06	0.01	0.00576	106.9	0.67
Calcium	mg/l	84.5 ± 0.994	83.9	15.1	1.87	99.3	-0.32
Chloride	mg/l	35.5 ± 0.371	34	3.06	0.71	95.8	-2.13
DOC (as C)	mg/l	0.789 ± 0.0751	0.64	0.06	0.123	81.1	-1.21
Total-P (as PO4)	mg/l	0.188 ± 0.00875	0.17	0.02	0.0143	90.3	-1.28
Total hardness	°d	17.2 ± 0.279	17	3.06	0.526	98.7	-0.42
Hydrogen carbonate	mg/l	311 ± 2.1	307	12.3	3.77	98.8	-1.02
Potassium	mg/l	3.99 ± 0.0876	3.7	0.67	0.173	92.8	-1.67
El. conductivity (25°C)	µS/c	659 ± 4.22	655	26.2	8.44	99.4	-0.45
Magnesium	mg/l	23.5 ± 0.376	22.8	4.1	0.753	97.2	-0.87
Sodium	mg/l	18.9 ± 0.221	18.8	3.38	0.423	99.6	-0.17
Ammonium (as NH4)	mg/l	0.104 ± 0.00531	0.11	0.01	0.0102	105.9	0.60
Nitrite (as NO2)	mg/l	0.18 ± 0.00409	0.067	0.01	0.00721	37.3	-15.63
Nitrate (as NO3)	mg/l	7.47 ± 0.133	7.1	0.64	0.247	95.0	-1.51
Orthophosphate (as PO4)	mg/l	0.109 ± 0.00298	0.11	0.01	0.00496	101.3	0.28
Sulfate (as SO4)	mg/l	40.6 ± 0.63	38.8	3.49	1.13	95.4	-1.64

Sample: N125B

Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
Alkalinity Ks 4,3	mmol/l	3.82 ± 0.0323	3.82	0.15	0.0637	99.9	-0.08
Boron	mg/l	0.0192 ± 0.00201	0.02	0.004	0.00259	104.4	0.32
Calcium	mg/l	67.4 ± 0.89	67.3	12.1	1.73	99.8	-0.08
Chloride	mg/l	31.4 ± 0.409	30.2	2.72	0.817	96.3	-1.44
DOC (as C)	mg/l	2.29 ± 0.0987	2.1	0.19	0.168	91.9	-1.11
Total-P (as PO4)	mg/l	0.117 ± 0.00634	<0.15 (LOQ)	-	0.0108	-	-
Total hardness	°d	12.9 ± 0.189	12.8	2.3	0.345	99.0	-0.38
Hydrogen carbonate	mg/l	232 ± 2.04	230	9.2	3.67	99.3	-0.46
Potassium	mg/l	2.42 ± 0.0768	2.2	0.4	0.151	90.9	-1.45
El. conductivity (25°C)	µS/c	527 ± 4.01	523	20.9	8.01	99.3	-0.44
Magnesium	mg/l	15.1 ± 0.234	14.7	2.65	0.462	97.3	-0.88
Sodium	mg/l	20 ± 0.246	19.9	3.58	0.472	99.5	-0.23
Ammonium (as NH4)	mg/l	0.0446 ± 0.00341	0.04	0.004	0.00654	89.6	-0.71
Nitrite (as NO2)	mg/l	0.0677 ± 0.00219	0.185	0.02	0.00393	273.4	29.82
Nitrate (as NO3)	mg/l	12 ± 0.18	11.4	1.03	0.345	94.7	-1.86

Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
Orthophosphate (as PO4)	mg/l	0.102 ± 0.00523	0.11	0.01	0.00923	108.2	0.90
Sulfate (as SO4)	mg/l	30 ± 0.419	28.3	2.55	0.726	94.5	-2.28



The following results were achieved:

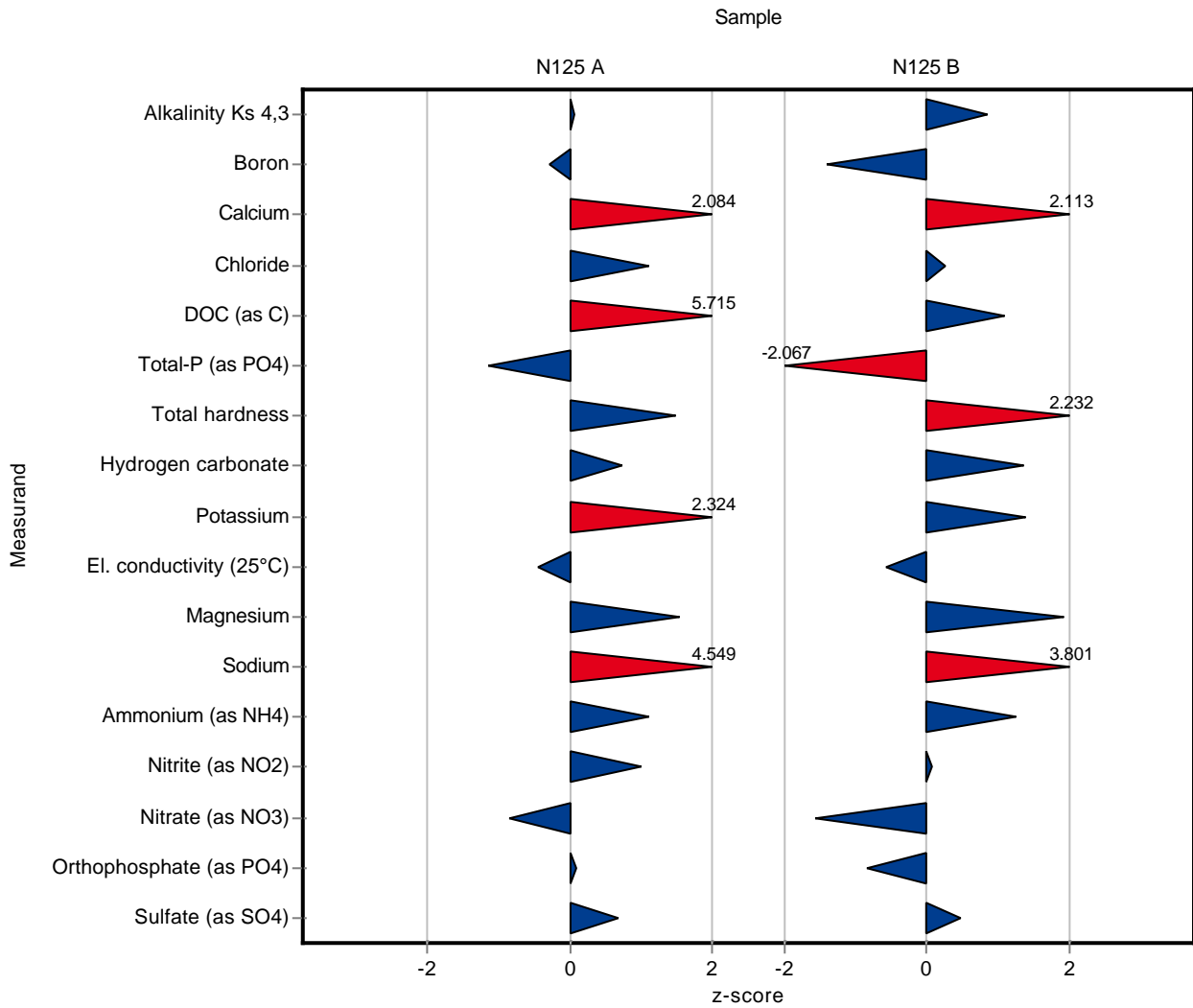
Sample: N125A

Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
Alkalinity Ks 4,3	mmol/l	5.13 ± 0.0406	5.14	0.1	0.0822	100.1	0.06
Boron	mg/l	0.0561 ± 0.00407	0.0545	0.005	0.00576	97.1	-0.28
Calcium	mg/l	84.5 ± 0.994	88.4	10	1.87	104.6	2.08
Chloride	mg/l	35.5 ± 0.371	36.3	3.6	0.71	102.2	1.12
DOC (as C)	mg/l	0.789 ± 0.0751	1.49	0.3	0.123	188.9	5.72
Total-P (as PO4)	mg/l	0.188 ± 0.00875	0.172	0.015	0.0143	91.4	-1.14
Total hardness	°d	17.2 ± 0.279	18	2	0.526	104.5	1.48
Hydrogen carbonate	mg/l	311 ± 2.1	313.6	30	3.77	100.9	0.73
Potassium	mg/l	3.99 ± 0.0876	4.39	0.5	0.173	110.1	2.32
El. conductivity (25°C)	µS/c	659 ± 4.22	655	10	8.44	99.4	-0.45
Magnesium	mg/l	23.5 ± 0.376	24.6	2.5	0.753	104.9	1.53
Sodium	mg/l	18.9 ± 0.221	20.8	2	0.423	110.2	4.55
Ammonium (as NH4)	mg/l	0.104 ± 0.00531	0.115	0.012	0.0102	110.7	1.09
Nitrite (as NO2)	mg/l	0.18 ± 0.00409	0.187	0.018	0.00721	104.1	1.01
Nitrate (as NO3)	mg/l	7.47 ± 0.133	7.26	0.7	0.247	97.2	-0.86
Orthophosphate (as PO4)	mg/l	0.109 ± 0.00298	0.109	0.02	0.00496	100.3	0.08
Sulfate (as SO4)	mg/l	40.6 ± 0.63	41.4	4.5	1.13	101.8	0.66

Sample: N125B

Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
Alkalinity Ks 4,3	mmol/l	3.82 ± 0.0323	3.88	0.2	0.0637	101.4	0.87
Boron	mg/l	0.0192 ± 0.00201	0.0155	0.0025	0.00259	80.9	-1.41
Calcium	mg/l	67.4 ± 0.89	71.1	8	1.73	105.4	2.11
Chloride	mg/l	31.4 ± 0.409	31.6	3.2	0.817	100.7	0.27
DOC (as C)	mg/l	2.29 ± 0.0987	2.47	0.5	0.168	108.1	1.10
Total-P (as PO4)	mg/l	0.117 ± 0.00634	0.0944	0.009	0.0108	80.9	-2.07
Total hardness	°d	12.9 ± 0.189	13.7	1.5	0.345	106.0	2.23
Hydrogen carbonate	mg/l	232 ± 2.04	236.7	25	3.67	102.2	1.36
Potassium	mg/l	2.42 ± 0.0768	2.63	0.3	0.151	108.7	1.39
El. conductivity (25°C)	µS/c	527 ± 4.01	522	8	8.01	99.1	-0.56
Magnesium	mg/l	15.1 ± 0.234	16	1.6	0.462	105.9	1.93
Sodium	mg/l	20 ± 0.246	21.8	2.1	0.472	109.0	3.80
Ammonium (as NH4)	mg/l	0.0446 ± 0.00341	0.0528	0.006	0.00654	118.3	1.25
Nitrite (as NO2)	mg/l	0.0677 ± 0.00219	0.068	0.007	0.00393	100.5	0.09
Nitrate (as NO3)	mg/l	12 ± 0.18	11.5	1.1	0.345	95.5	-1.57

Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
Orthophosphate (as PO <sub>4</sub> )	mg/l	0.102 ± 0.00523	0.094	0.02	0.00923	92.5	-0.83
Sulfate (as SO <sub>4</sub> )	mg/l	30 ± 0.419	30.3	3.5	0.726	101.2	0.48



The following results were achieved:

Sample: N125A

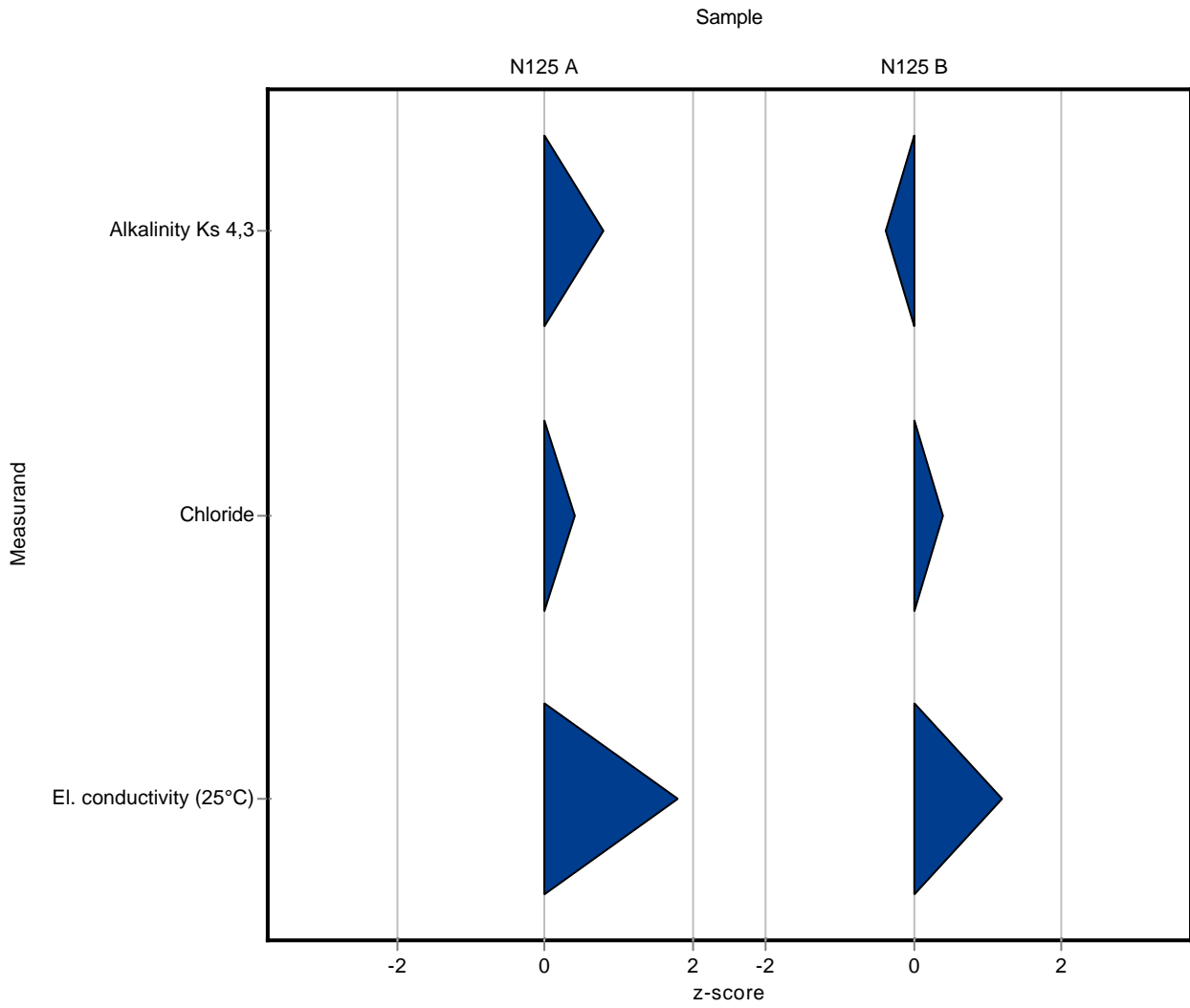
Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
Alkalinity Ks 4,3	mmol/l	5.13 ± 0.0406	5.2	0.44	0.0822	101.3	0.79
Boron	mg/l	0.0561 ± 0.00407	-	-	0.00576	-	-
Calcium	mg/l	84.5 ± 0.994	-	-	1.87	-	-
Chloride	mg/l	35.5 ± 0.371	35.8	7.42	0.71	100.8	0.41
DOC (as C)	mg/l	0.789 ± 0.0751	-	-	0.123	-	-
Total-P (as PO4)	mg/l	0.188 ± 0.00875	-	-	0.0143	-	-
Total hardness	°d	17.2 ± 0.279	-	-	0.526	-	-
Hydrogen carbonate	mg/l	311 ± 2.1	-	-	3.77	-	-
Potassium	mg/l	3.99 ± 0.0876	-	-	0.173	-	-
El. conductivity (25°C)	µS/c	659 ± 4.22	674	8.56	8.44	102.3	1.80
Magnesium	mg/l	23.5 ± 0.376	-	-	0.753	-	-
Sodium	mg/l	18.9 ± 0.221	-	-	0.423	-	-
Ammonium (as NH4)	mg/l	0.104 ± 0.00531	-	-	0.0102	-	-
Nitrite (as NO2)	mg/l	0.18 ± 0.00409	-	-	0.00721	-	-
Nitrate (as NO3)	mg/l	7.47 ± 0.133	-	-	0.247	-	-
Orthophosphate (as PO4)	mg/l	0.109 ± 0.00298	-	-	0.00496	-	-
Sulfate (as SO4)	mg/l	40.6 ± 0.63	-	-	1.13	-	-

Sample: N125B

Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
Alkalinity Ks 4,3	mmol/l	3.82 ± 0.0323	3.8	0.32	0.0637	99.3	-0.39
Boron	mg/l	0.0192 ± 0.00201	-	-	0.00259	-	-
Calcium	mg/l	67.4 ± 0.89	-	-	1.73	-	-
Chloride	mg/l	31.4 ± 0.409	31.7	6.57	0.817	101.0	0.40
DOC (as C)	mg/l	2.29 ± 0.0987	-	-	0.168	-	-
Total-P (as PO4)	mg/l	0.117 ± 0.00634	-	-	0.0108	-	-
Total hardness	°d	12.9 ± 0.189	-	-	0.345	-	-
Hydrogen carbonate	mg/l	232 ± 2.04	-	-	3.67	-	-
Potassium	mg/l	2.42 ± 0.0768	-	-	0.151	-	-
El. conductivity (25°C)	µS/c	527 ± 4.01	536	6.81	8.01	101.8	1.18
Magnesium	mg/l	15.1 ± 0.234	-	-	0.462	-	-
Sodium	mg/l	20 ± 0.246	-	-	0.472	-	-
Ammonium (as NH4)	mg/l	0.0446 ± 0.00341	-	-	0.00654	-	-
Nitrite (as NO2)	mg/l	0.0677 ± 0.00219	-	-	0.00393	-	-
Nitrate (as NO3)	mg/l	12 ± 0.18	-	-	0.345	-	-



Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
Orthophosphate (as PO <sub>4</sub> )	mg/l	0.102 ± 0.00523	-	-	0.00923	-	-
Sulfate (as SO <sub>4</sub> )	mg/l	30 ± 0.419	-	-	0.726	-	-



The following results were achieved:

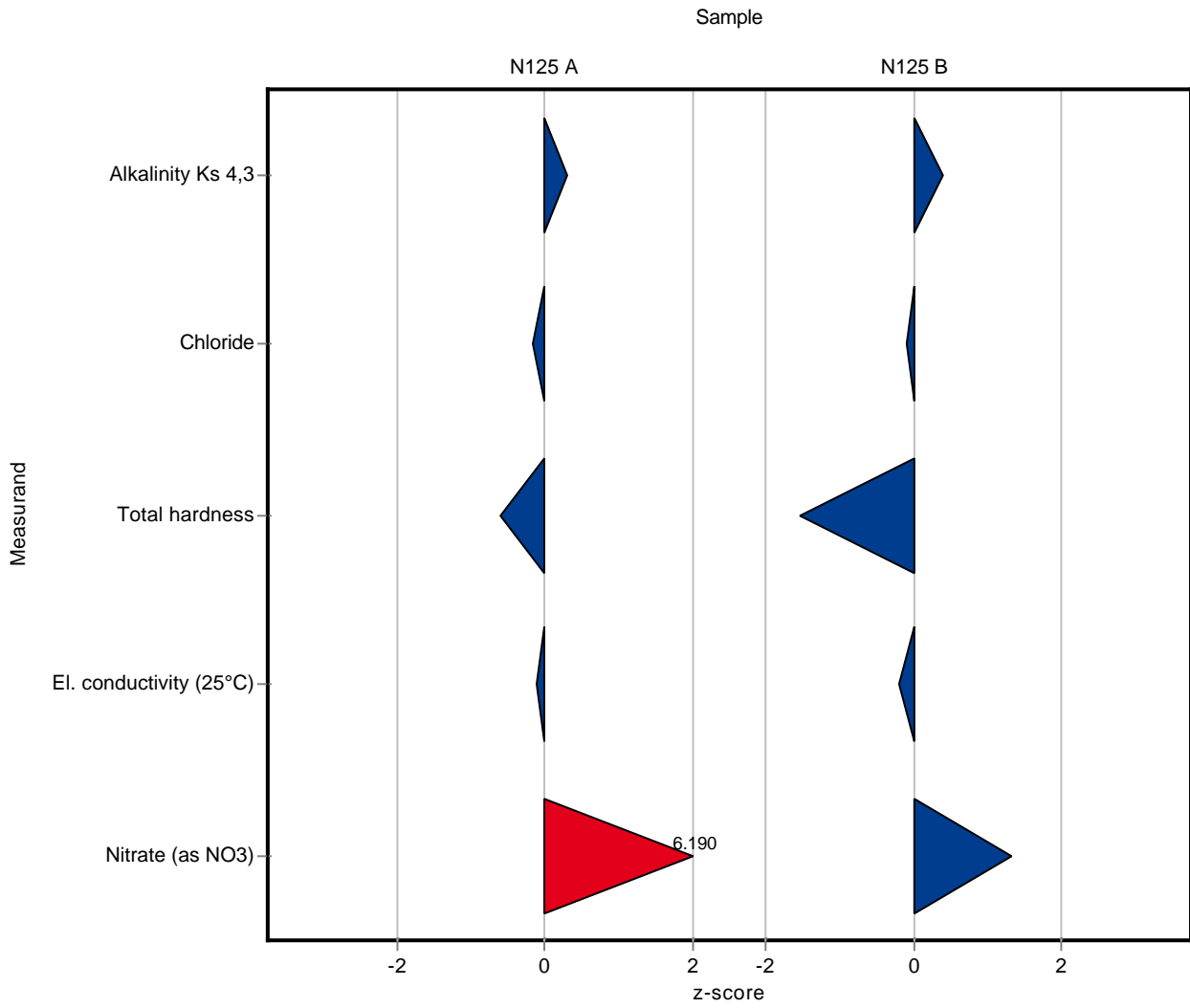
Sample: N125A

Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
Alkalinity Ks 4,3	mmol/l	5.13 ± 0.0406	5.16	0.08	0.0822	100.5	0.30
Boron	mg/l	0.0561 ± 0.00407	-	-	0.00576	-	-
Calcium	mg/l	84.5 ± 0.994	-	-	1.87	-	-
Chloride	mg/l	35.5 ± 0.371	35.4	3.7	0.71	99.7	-0.15
DOC (as C)	mg/l	0.789 ± 0.0751	-	-	0.123	-	-
Total-P (as PO4)	mg/l	0.188 ± 0.00875	-	-	0.0143	-	-
Total hardness	°d	17.2 ± 0.279	16.9	0.84	0.526	98.1	-0.61
Hydrogen carbonate	mg/l	311 ± 2.1	-	-	3.77	-	-
Potassium	mg/l	3.99 ± 0.0876	-	-	0.173	-	-
El. conductivity (25°C)	µS/c	659 ± 4.22	658	22	8.44	99.9	-0.10
Magnesium	mg/l	23.5 ± 0.376	-	-	0.753	-	-
Sodium	mg/l	18.9 ± 0.221	-	-	0.423	-	-
Ammonium (as NH4)	mg/l	0.104 ± 0.00531	-	-	0.0102	-	-
Nitrite (as NO2)	mg/l	0.18 ± 0.00409	<0.5 (LOD)	-	0.00721	-	-
Nitrate (as NO3)	mg/l	7.47 ± 0.133	9	-	0.247	120.4	6.19
Orthophosphate (as PO4)	mg/l	0.109 ± 0.00298	-	-	0.00496	-	-
Sulfate (as SO4)	mg/l	40.6 ± 0.63	-	-	1.13	-	-

Sample: N125B

Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
Alkalinity Ks 4,3	mmol/l	3.82 ± 0.0323	3.85	0.07	0.0637	100.7	0.39
Boron	mg/l	0.0192 ± 0.00201	-	-	0.00259	-	-
Calcium	mg/l	67.4 ± 0.89	-	-	1.73	-	-
Chloride	mg/l	31.4 ± 0.409	31.3	3.7	0.817	99.8	-0.09
DOC (as C)	mg/l	2.29 ± 0.0987	-	-	0.168	-	-
Total-P (as PO4)	mg/l	0.117 ± 0.00634	-	-	0.0108	-	-
Total hardness	°d	12.9 ± 0.189	12.4	0.83	0.345	95.9	-1.54
Hydrogen carbonate	mg/l	232 ± 2.04	-	-	3.67	-	-
Potassium	mg/l	2.42 ± 0.0768	-	-	0.151	-	-
El. conductivity (25°C)	µS/c	527 ± 4.01	525	22	8.01	99.7	-0.19
Magnesium	mg/l	15.1 ± 0.234	-	-	0.462	-	-
Sodium	mg/l	20 ± 0.246	-	-	0.472	-	-
Ammonium (as NH4)	mg/l	0.0446 ± 0.00341	-	-	0.00654	-	-
Nitrite (as NO2)	mg/l	0.0677 ± 0.00219	<0.5 (LOD)	-	0.00393	-	-
Nitrate (as NO3)	mg/l	12 ± 0.18	12.5	-	0.345	103.8	1.33

Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
Orthophosphate (as PO4)	mg/l	0.102 ± 0.00523	-	-	0.00923	-	-
Sulfate (as SO4)	mg/l	30 ± 0.419	-	-	0.726	-	-



The following results were achieved:

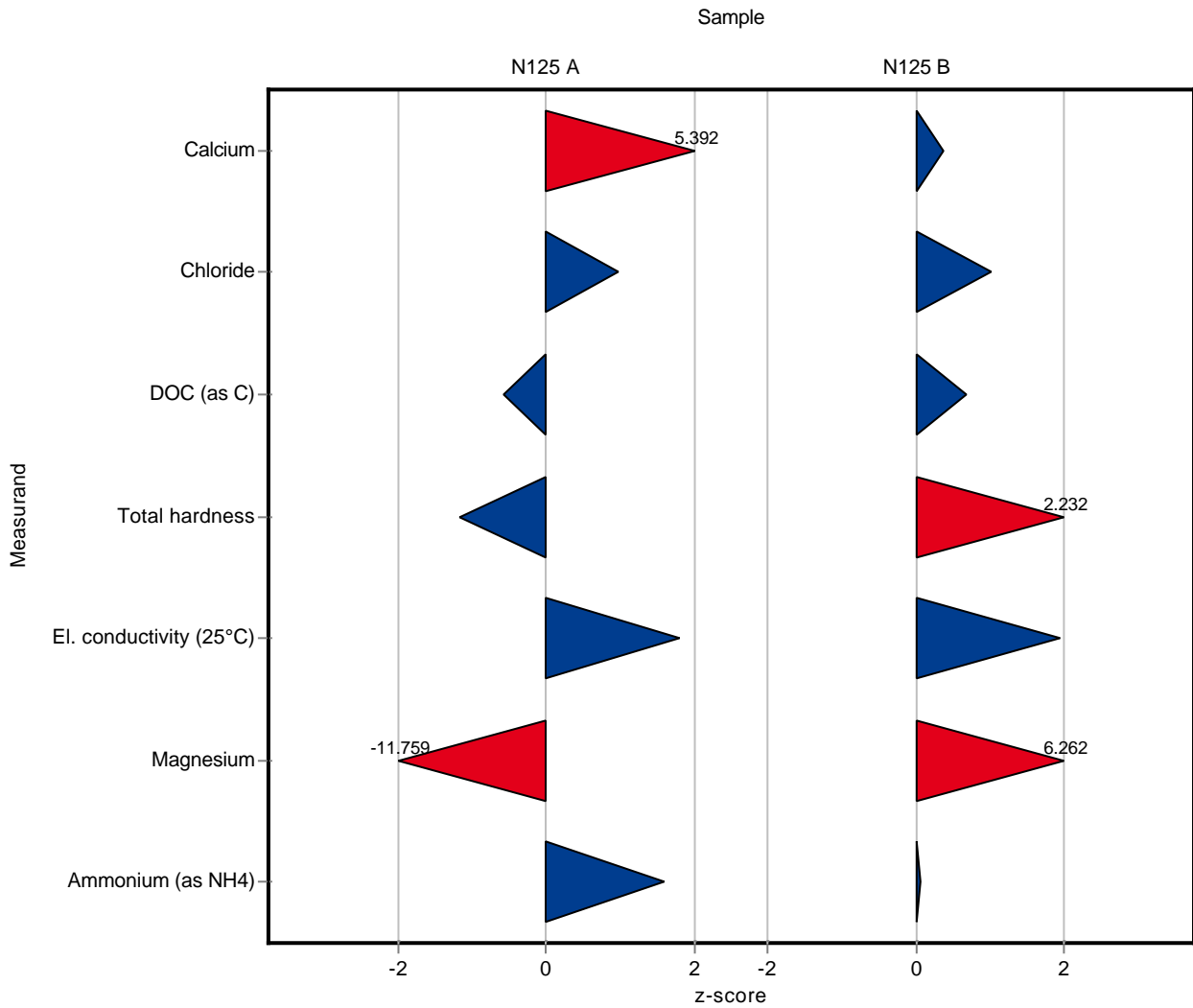
Sample: N125A

Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
Alkalinity Ks 4,3	mmol/l	5.13 ± 0.0406	-	-	0.0822	-	-
Boron	mg/l	0.0561 ± 0.00407	-	-	0.00576	-	-
Calcium	mg/l	84.5 ± 0.994	94.6	8.8	1.87	112.0	5.39
Chloride	mg/l	35.5 ± 0.371	36.2	3.8	0.71	101.9	0.97
DOC (as C)	mg/l	0.789 ± 0.0751	0.72	0.084	0.123	91.3	-0.56
Total-P (as PO4)	mg/l	0.188 ± 0.00875	-	-	0.0143	-	-
Total hardness	°d	17.2 ± 0.279	16.6	1.4	0.526	96.4	-1.18
Hydrogen carbonate	mg/l	311 ± 2.1	-	-	3.77	-	-
Potassium	mg/l	3.99 ± 0.0876	-	-	0.173	-	-
El. conductivity (25°C)	µS/c	659 ± 4.22	674	23	8.44	102.3	1.80
Magnesium	mg/l	23.5 ± 0.376	14.6	1.4	0.753	62.3	-11.76
Sodium	mg/l	18.9 ± 0.221	-	-	0.423	-	-
Ammonium (as NH4)	mg/l	0.104 ± 0.00531	0.12	0.014	0.0102	115.5	1.58
Nitrite (as NO2)	mg/l	0.18 ± 0.00409	-	-	0.00721	-	-
Nitrate (as NO3)	mg/l	7.47 ± 0.133	-	-	0.247	-	-
Orthophosphate (as PO4)	mg/l	0.109 ± 0.00298	-	-	0.00496	-	-
Sulfate (as SO4)	mg/l	40.6 ± 0.63	-	-	1.13	-	-

Sample: N125B

Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
Alkalinity Ks 4,3	mmol/l	3.82 ± 0.0323	-	-	0.0637	-	-
Boron	mg/l	0.0192 ± 0.00201	-	-	0.00259	-	-
Calcium	mg/l	67.4 ± 0.89	68.1	6.3	1.73	101.0	0.38
Chloride	mg/l	31.4 ± 0.409	32.2	3.4	0.817	102.6	1.01
DOC (as C)	mg/l	2.29 ± 0.0987	2.4	0.28	0.168	105.0	0.68
Total-P (as PO4)	mg/l	0.117 ± 0.00634	-	-	0.0108	-	-
Total hardness	°d	12.9 ± 0.189	13.7	1.2	0.345	106.0	2.23
Hydrogen carbonate	mg/l	232 ± 2.04	-	-	3.67	-	-
Potassium	mg/l	2.42 ± 0.0768	-	-	0.151	-	-
El. conductivity (25°C)	µS/c	527 ± 4.01	542	19	8.01	102.9	1.93
Magnesium	mg/l	15.1 ± 0.234	18	1.8	0.462	119.1	6.26
Sodium	mg/l	20 ± 0.246	-	-	0.472	-	-
Ammonium (as NH4)	mg/l	0.0446 ± 0.00341	0.045	0.005	0.00654	100.8	0.06
Nitrite (as NO2)	mg/l	0.0677 ± 0.00219	-	-	0.00393	-	-
Nitrate (as NO3)	mg/l	12 ± 0.18	-	-	0.345	-	-

Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
Orthophosphate (as PO <sub>4</sub> )	mg/l	0.102 ± 0.00523	-	-	0.00923	-	-
Sulfate (as SO <sub>4</sub> )	mg/l	30 ± 0.419	-	-	0.726	-	-





The following results were achieved:

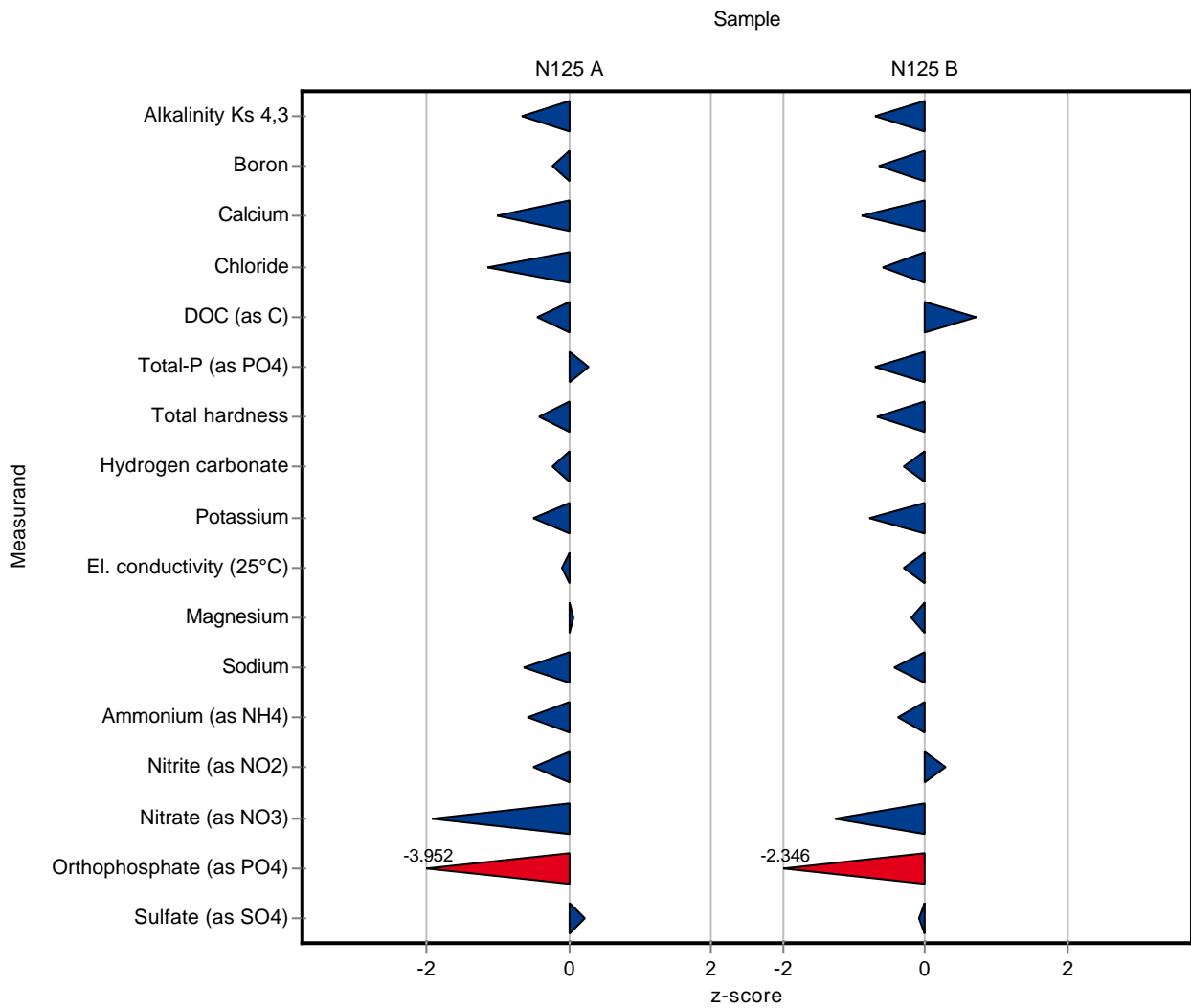
Sample: N125A

Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
Alkalinity Ks 4,3	mmol/l	5.13 ± 0.0406	5.08	0.254	0.0822	98.9	-0.67
Boron	mg/l	0.0561 ± 0.00407	0.0547	0.014	0.00576	97.5	-0.25
Calcium	mg/l	84.5 ± 0.994	82.6	-	1.87	97.8	-1.01
Chloride	mg/l	35.5 ± 0.371	34.7	8.675	0.71	97.7	-1.14
DOC (as C)	mg/l	0.789 ± 0.0751	0.735	0.1838	0.123	93.2	-0.44
Total-P (as PO4)	mg/l	0.188 ± 0.00875	0.192	-	0.0143	102.0	0.26
Total hardness	°d	17.2 ± 0.279	17	-	0.526	98.7	-0.42
Hydrogen carbonate	mg/l	311 ± 2.1	309.97	-	3.77	99.7	-0.23
Potassium	mg/l	3.99 ± 0.0876	3.9	0.39	0.173	97.8	-0.51
El. conductivity (25°C)	µS/c	659 ± 4.22	658	19.07	8.44	99.9	-0.10
Magnesium	mg/l	23.5 ± 0.376	23.5	1.88	0.753	100.2	0.06
Sodium	mg/l	18.9 ± 0.221	18.6	2.98	0.423	98.6	-0.65
Ammonium (as NH4)	mg/l	0.104 ± 0.00531	0.0979	0.00979	0.0102	94.2	-0.59
Nitrite (as NO2)	mg/l	0.18 ± 0.00409	0.176	0.0352	0.00721	97.9	-0.51
Nitrate (as NO3)	mg/l	7.47 ± 0.133	7	0.28	0.247	93.7	-1.91
Orthophosphate (as PO4)	mg/l	0.109 ± 0.00298	0.089	-	0.00496	81.9	-3.95
Sulfate (as SO4)	mg/l	40.6 ± 0.63	40.9	2.454	1.13	100.6	0.22

Sample: N125B

Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
Alkalinity Ks 4,3	mmol/l	3.82 ± 0.0323	3.78	0.189	0.0637	98.8	-0.70
Boron	mg/l	0.0192 ± 0.00201	0.0175	0.0045	0.00259	91.3	-0.64
Calcium	mg/l	67.4 ± 0.89	65.9	-	1.73	97.7	-0.89
Chloride	mg/l	31.4 ± 0.409	30.9	7.725	0.817	98.5	-0.58
DOC (as C)	mg/l	2.29 ± 0.0987	2.408	0.602	0.168	105.3	0.73
Total-P (as PO4)	mg/l	0.117 ± 0.00634	0.109	-	0.0108	93.4	-0.71
Total hardness	°d	12.9 ± 0.189	12.7	-	0.345	98.2	-0.67
Hydrogen carbonate	mg/l	232 ± 2.04	230.64	-	3.67	99.5	-0.29
Potassium	mg/l	2.42 ± 0.0768	2.3	0.23	0.151	95.1	-0.79
El. conductivity (25°C)	µS/c	527 ± 4.01	524	15.18	8.01	99.5	-0.31
Magnesium	mg/l	15.1 ± 0.234	15.02	1.202	0.462	99.4	-0.19
Sodium	mg/l	20 ± 0.246	19.8	3.17	0.472	99.0	-0.44
Ammonium (as NH4)	mg/l	0.0446 ± 0.00341	0.04207	0.004207	0.00654	94.3	-0.39
Nitrite (as NO2)	mg/l	0.0677 ± 0.00219	0.0688	0.0138	0.00393	101.7	0.29
Nitrate (as NO3)	mg/l	12 ± 0.18	11.6	0.464	0.345	96.3	-1.28

Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
Orthophosphate (as PO <sub>4</sub> )	mg/l	0.102 ± 0.00523	0.08	-	0.00923	78.7	-2.35
Sulfate (as SO <sub>4</sub> )	mg/l	30 ± 0.419	29.9	1.794	0.726	99.8	-0.07



The following results were achieved:

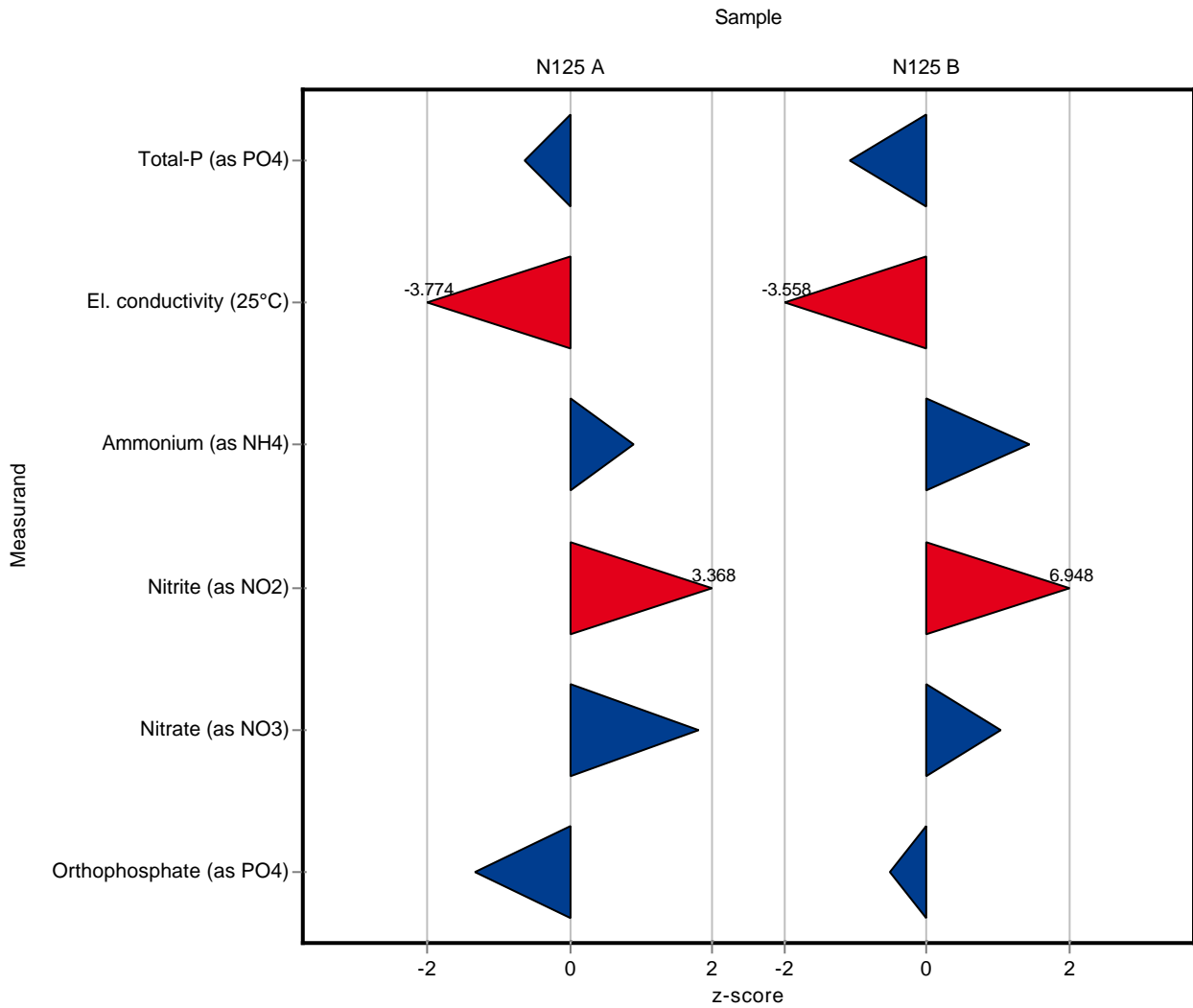
Sample: N125A

Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
Alkalinity Ks 4,3	mmol/l	5.13 ± 0.0406	-	-	0.0822	-	-
Boron	mg/l	0.0561 ± 0.00407	-	-	0.00576	-	-
Calcium	mg/l	84.5 ± 0.994	-	-	1.87	-	-
Chloride	mg/l	35.5 ± 0.371	-	-	0.71	-	-
DOC (as C)	mg/l	0.789 ± 0.0751	-	-	0.123	-	-
Total-P (as PO4)	mg/l	0.188 ± 0.00875	0.179	0.006	0.0143	95.1	-0.65
Total hardness	°d	17.2 ± 0.279	-	-	0.526	-	-
Hydrogen carbonate	mg/l	311 ± 2.1	-	-	3.77	-	-
Potassium	mg/l	3.99 ± 0.0876	-	-	0.173	-	-
El. conductivity (25°C)	µS/c	659 ± 4.22	627	2	8.44	95.2	-3.77
Magnesium	mg/l	23.5 ± 0.376	-	-	0.753	-	-
Sodium	mg/l	18.9 ± 0.221	-	-	0.423	-	-
Ammonium (as NH4)	mg/l	0.104 ± 0.00531	0.113	0.004	0.0102	108.8	0.90
Nitrite (as NO2)	mg/l	0.18 ± 0.00409	0.204	0.042	0.00721	113.5	3.37
Nitrate (as NO3)	mg/l	7.47 ± 0.133	7.92	0.18	0.247	106.0	1.81
Orthophosphate (as PO4)	mg/l	0.109 ± 0.00298	0.102	0.005	0.00496	93.9	-1.33
Sulfate (as SO4)	mg/l	40.6 ± 0.63	-	-	1.13	-	-

Sample: N125B

Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
Alkalinity Ks 4,3	mmol/l	3.82 ± 0.0323	-	-	0.0637	-	-
Boron	mg/l	0.0192 ± 0.00201	-	-	0.00259	-	-
Calcium	mg/l	67.4 ± 0.89	-	-	1.73	-	-
Chloride	mg/l	31.4 ± 0.409	-	-	0.817	-	-
DOC (as C)	mg/l	2.29 ± 0.0987	-	-	0.168	-	-
Total-P (as PO4)	mg/l	0.117 ± 0.00634	0.105	0.004	0.0108	90.0	-1.08
Total hardness	°d	12.9 ± 0.189	-	-	0.345	-	-
Hydrogen carbonate	mg/l	232 ± 2.04	-	-	3.67	-	-
Potassium	mg/l	2.42 ± 0.0768	-	-	0.151	-	-
El. conductivity (25°C)	µS/c	527 ± 4.01	498	2	8.01	94.6	-3.56
Magnesium	mg/l	15.1 ± 0.234	-	-	0.462	-	-
Sodium	mg/l	20 ± 0.246	-	-	0.472	-	-
Ammonium (as NH4)	mg/l	0.0446 ± 0.00341	0.054	0.002	0.00654	121.0	1.43
Nitrite (as NO2)	mg/l	0.0677 ± 0.00219	0.095	0.02	0.00393	140.4	6.95
Nitrate (as NO3)	mg/l	12 ± 0.18	12.4	0.281	0.345	103.0	1.04

Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
Orthophosphate (as PO4)	mg/l	0.102 ± 0.00523	0.097	0.005	0.00923	95.4	-0.50
Sulfate (as SO4)	mg/l	30 ± 0.419	-	-	0.726	-	-



The following results were achieved:

Sample: N125A

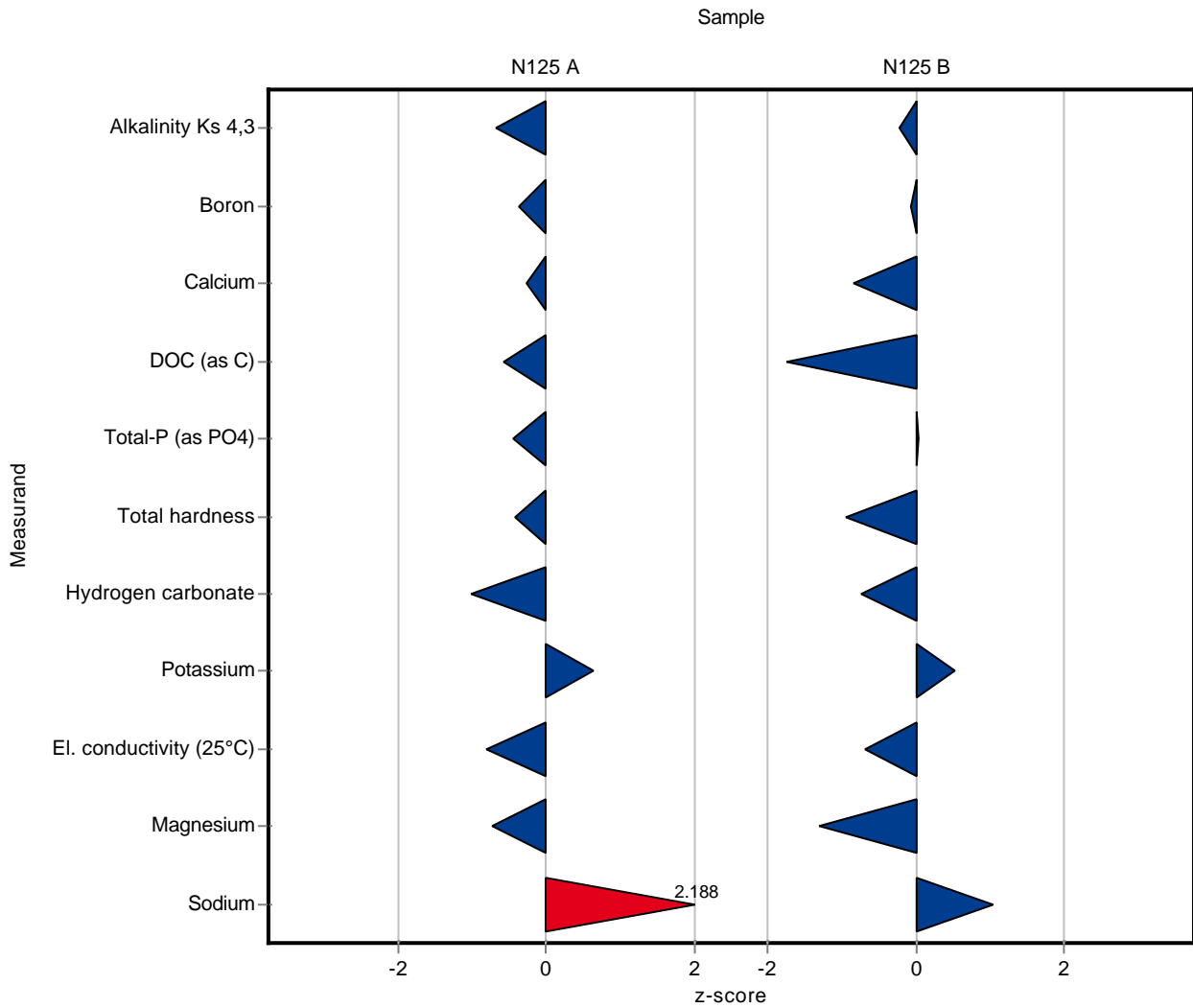
Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
Alkalinity Ks 4,3	mmol/l	5.13 ± 0.0406	5.08	0.18	0.0822	98.9	-0.67
Boron	mg/l	0.0561 ± 0.00407	0.054	0.005	0.00576	96.2	-0.37
Calcium	mg/l	84.5 ± 0.994	84	3	1.87	99.4	-0.26
Chloride	mg/l	35.5 ± 0.371	-	-	0.71	-	-
DOC (as C)	mg/l	0.789 ± 0.0751	0.72	0.06	0.123	91.3	-0.56
Total-P (as PO4)	mg/l	0.188 ± 0.00875	0.182	0.018	0.0143	96.7	-0.44
Total hardness	°d	17.2 ± 0.279	17	0.6	0.526	98.7	-0.42
Hydrogen carbonate	mg/l	311 ± 2.1	307	11	3.77	98.8	-1.02
Potassium	mg/l	3.99 ± 0.0876	4.1	0.28	0.173	102.8	0.65
El. conductivity (25°C)	µS/c	659 ± 4.22	652	13	8.44	99.0	-0.81
Magnesium	mg/l	23.5 ± 0.376	22.9	0.8	0.753	97.6	-0.73
Sodium	mg/l	18.9 ± 0.221	19.8	0.7	0.423	104.9	2.19
Ammonium (as NH4)	mg/l	0.104 ± 0.00531	-	-	0.0102	-	-
Nitrite (as NO2)	mg/l	0.18 ± 0.00409	-	-	0.00721	-	-
Nitrate (as NO3)	mg/l	7.47 ± 0.133	-	-	0.247	-	-
Orthophosphate (as PO4)	mg/l	0.109 ± 0.00298	-	-	0.00496	-	-
Sulfate (as SO4)	mg/l	40.6 ± 0.63	-	-	1.13	-	-

Sample: N125B

Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
Alkalinity Ks 4,3	mmol/l	3.82 ± 0.0323	3.81	0.14	0.0637	99.6	-0.23
Boron	mg/l	0.0192 ± 0.00201	0.019	0.002	0.00259	99.2	-0.06
Calcium	mg/l	67.4 ± 0.89	66	2.4	1.73	97.9	-0.84
Chloride	mg/l	31.4 ± 0.409	-	-	0.817	-	-
DOC (as C)	mg/l	2.29 ± 0.0987	1.99	0.16	0.168	87.1	-1.76
Total-P (as PO4)	mg/l	0.117 ± 0.00634	0.117	0.014	0.0108	100.3	0.03
Total hardness	°d	12.9 ± 0.189	12.6	0.5	0.345	97.4	-0.96
Hydrogen carbonate	mg/l	232 ± 2.04	229	8	3.67	98.8	-0.73
Potassium	mg/l	2.42 ± 0.0768	2.5	0.17	0.151	103.3	0.53
El. conductivity (25°C)	µS/c	527 ± 4.01	521	10	8.01	99.0	-0.69
Magnesium	mg/l	15.1 ± 0.234	14.5	0.5	0.462	96.0	-1.32
Sodium	mg/l	20 ± 0.246	20.5	0.7	0.472	102.5	1.05
Ammonium (as NH4)	mg/l	0.0446 ± 0.00341	-	-	0.00654	-	-
Nitrite (as NO2)	mg/l	0.0677 ± 0.00219	-	-	0.00393	-	-
Nitrate (as NO3)	mg/l	12 ± 0.18	-	-	0.345	-	-

Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
Orthophosphate (as PO4)	mg/l	0.102 ± 0.00523	-	-	0.00923	-	-
Sulfate (as SO4)	mg/l	30 ± 0.419	-	-	0.726	-	-





The following results were achieved:

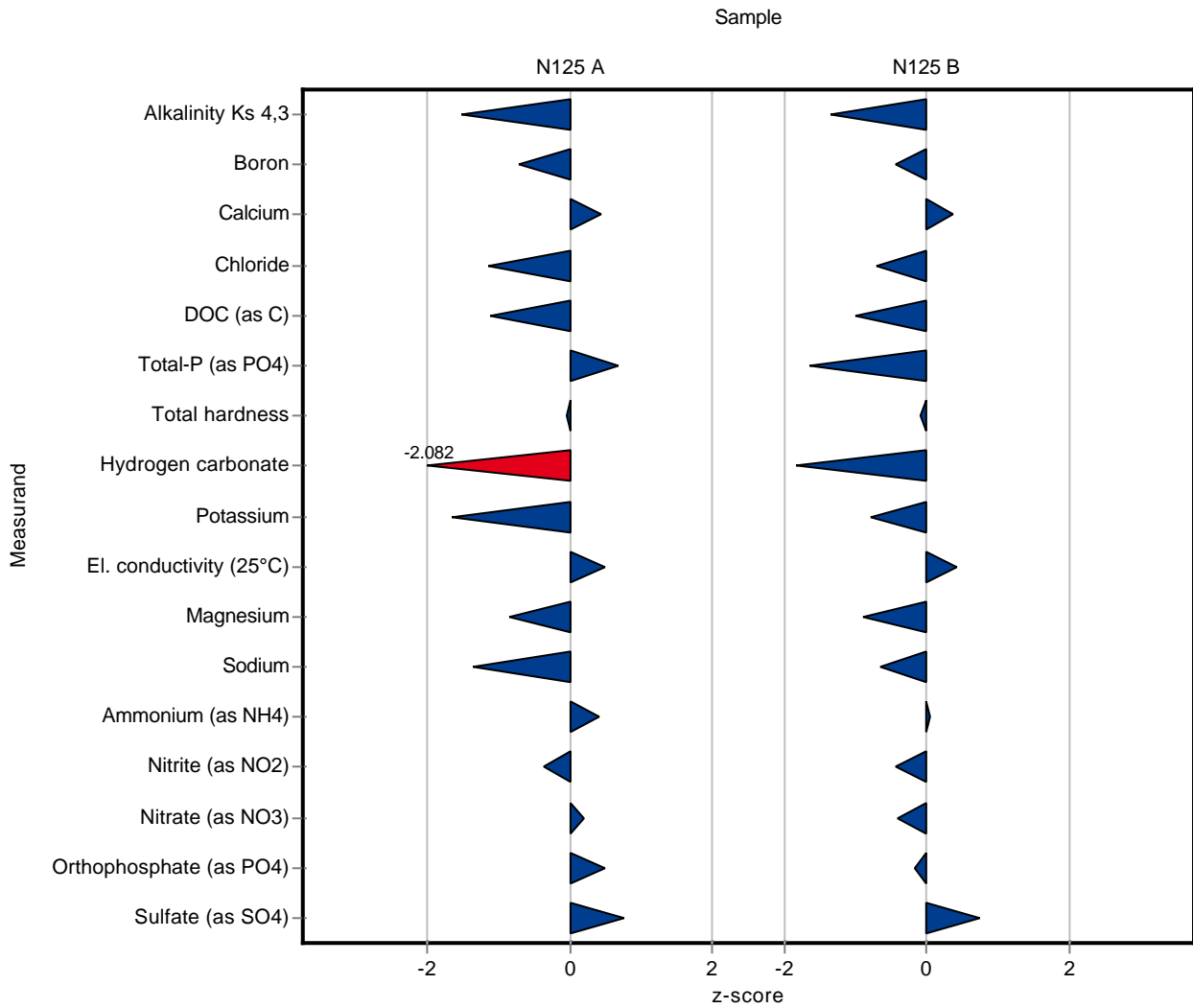
Sample: N125A

Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
Alkalinity Ks 4,3	mmol/l	5.13 ± 0.0406	5.01	0.3	0.0822	97.6	-1.52
Boron	mg/l	0.0561 ± 0.00407	0.052	0.005	0.00576	92.6	-0.72
Calcium	mg/l	84.5 ± 0.994	85.3	4.3	1.87	101.0	0.43
Chloride	mg/l	35.5 ± 0.371	34.7	1.4	0.71	97.7	-1.14
DOC (as C)	mg/l	0.789 ± 0.0751	0.65	0.07	0.123	82.4	-1.13
Total-P (as PO4)	mg/l	0.188 ± 0.00875	0.198	0.02	0.0143	105.2	0.68
Total hardness	°d	17.2 ± 0.279	17.2	3.4	0.526	99.9	-0.04
Hydrogen carbonate	mg/l	311 ± 2.1	303	18	3.77	97.5	-2.08
Potassium	mg/l	3.99 ± 0.0876	3.7	0.3	0.173	92.8	-1.67
El. conductivity (25°C)	µS/c	659 ± 4.22	663	13	8.44	100.6	0.49
Magnesium	mg/l	23.5 ± 0.376	22.8	4.6	0.753	97.2	-0.87
Sodium	mg/l	18.9 ± 0.221	18.3	0.9	0.423	97.0	-1.35
Ammonium (as NH4)	mg/l	0.104 ± 0.00531	0.108	0.009	0.0102	104.0	0.40
Nitrite (as NO2)	mg/l	0.18 ± 0.00409	0.177	0.011	0.00721	98.5	-0.38
Nitrate (as NO3)	mg/l	7.47 ± 0.133	7.52	0.38	0.247	100.6	0.19
Orthophosphate (as PO4)	mg/l	0.109 ± 0.00298	0.111	0.008	0.00496	102.2	0.48
Sulfate (as SO4)	mg/l	40.6 ± 0.63	41.5	1.8	1.13	102.1	0.75

Sample: N125B

Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
Alkalinity Ks 4,3	mmol/l	3.82 ± 0.0323	3.74	0.22	0.0637	97.8	-1.33
Boron	mg/l	0.0192 ± 0.00201	0.018	0.002	0.00259	93.9	-0.45
Calcium	mg/l	67.4 ± 0.89	68.1	3.4	1.73	101.0	0.38
Chloride	mg/l	31.4 ± 0.409	30.8	1.2	0.817	98.2	-0.71
DOC (as C)	mg/l	2.29 ± 0.0987	2.12	0.21	0.168	92.7	-0.99
Total-P (as PO4)	mg/l	0.117 ± 0.00634	0.099	0.01	0.0108	84.8	-1.64
Total hardness	°d	12.9 ± 0.189	12.9	2.6	0.345	99.8	-0.09
Hydrogen carbonate	mg/l	232 ± 2.04	225	14	3.67	97.1	-1.82
Potassium	mg/l	2.42 ± 0.0768	2.3	0.3	0.151	95.1	-0.79
El. conductivity (25°C)	µS/c	527 ± 4.01	530	11	8.01	100.7	0.44
Magnesium	mg/l	15.1 ± 0.234	14.7	3	0.462	97.3	-0.88
Sodium	mg/l	20 ± 0.246	19.7	1	0.472	98.5	-0.65
Ammonium (as NH4)	mg/l	0.0446 ± 0.00341	0.045	0.004	0.00654	100.8	0.06
Nitrite (as NO2)	mg/l	0.0677 ± 0.00219	0.066	0.005	0.00393	97.5	-0.42
Nitrate (as NO3)	mg/l	12 ± 0.18	11.9	0.6	0.345	98.8	-0.41

Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
Orthophosphate (as PO <sub>4</sub> )	mg/l	0.102 ± 0.00523	0.1	0.007	0.00923	98.4	-0.18
Sulfate (as SO <sub>4</sub> )	mg/l	30 ± 0.419	30.5	1.5	0.726	101.8	0.75



The following results were achieved:

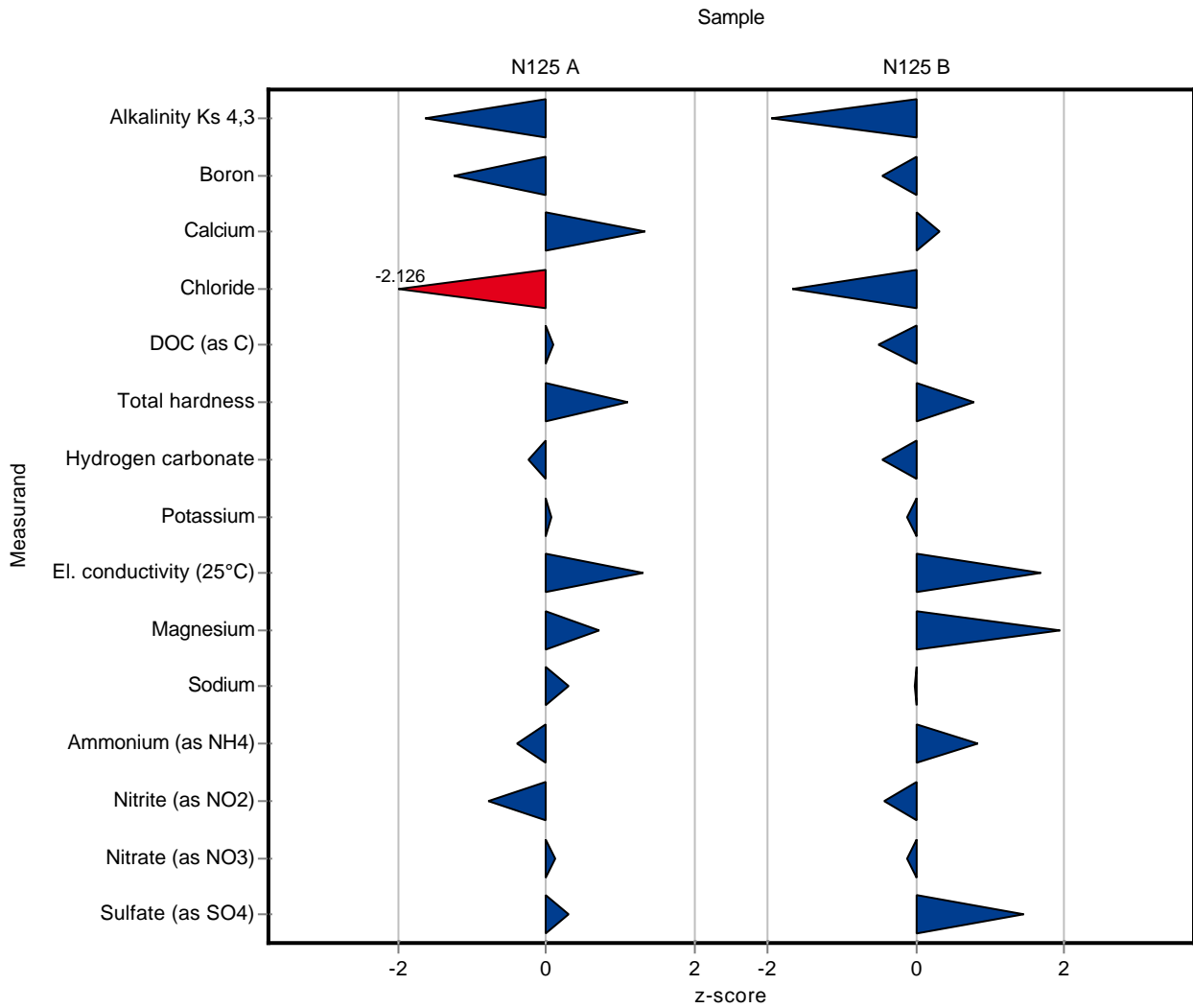
Sample: N125A

Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
Alkalinity Ks 4,3	mmol/l	5.13 ± 0.0406	5	-	0.0822	97.4	-1.64
Boron	mg/l	0.0561 ± 0.00407	0.049	-	0.00576	87.3	-1.24
Calcium	mg/l	84.5 ± 0.994	87	-	1.87	103.0	1.34
Chloride	mg/l	35.5 ± 0.371	34	-	0.71	95.8	-2.13
DOC (as C)	mg/l	0.789 ± 0.0751	0.8	-	0.123	101.4	0.09
Total-P (as PO4)	mg/l	0.188 ± 0.00875	<0.31 (LOQ)	-	0.0143	-	-
Total hardness	°d	17.2 ± 0.279	17.8	-	0.526	103.4	1.10
Hydrogen carbonate	mg/l	311 ± 2.1	310	-	3.77	99.7	-0.23
Potassium	mg/l	3.99 ± 0.0876	4	-	0.173	100.3	0.07
El. conductivity (25°C)	µS/c	659 ± 4.22	670	-	8.44	101.7	1.32
Magnesium	mg/l	23.5 ± 0.376	24	-	0.753	102.3	0.73
Sodium	mg/l	18.9 ± 0.221	19	-	0.423	100.7	0.30
Ammonium (as NH4)	mg/l	0.104 ± 0.00531	0.1	-	0.0102	96.3	-0.38
Nitrite (as NO2)	mg/l	0.18 ± 0.00409	0.174	-	0.00721	96.8	-0.79
Nitrate (as NO3)	mg/l	7.47 ± 0.133	7.5	-	0.247	100.4	0.11
Orthophosphate (as PO4)	mg/l	0.109 ± 0.00298	<0.2 (LOQ)	-	0.00496	-	-
Sulfate (as SO4)	mg/l	40.6 ± 0.63	41	-	1.13	100.9	0.31

Sample: N125B

Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
Alkalinity Ks 4,3	mmol/l	3.82 ± 0.0323	3.7	-	0.0637	96.7	-1.96
Boron	mg/l	0.0192 ± 0.00201	0.018	-	0.00259	93.9	-0.45
Calcium	mg/l	67.4 ± 0.89	68	-	1.73	100.8	0.32
Chloride	mg/l	31.4 ± 0.409	30	-	0.817	95.6	-1.68
DOC (as C)	mg/l	2.29 ± 0.0987	2.2	-	0.168	96.2	-0.51
Total-P (as PO4)	mg/l	0.117 ± 0.00634	<0.31 (LOQ)	-	0.0108	-	-
Total hardness	°d	12.9 ± 0.189	13.2	-	0.345	102.1	0.78
Hydrogen carbonate	mg/l	232 ± 2.04	230	-	3.67	99.3	-0.46
Potassium	mg/l	2.42 ± 0.0768	2.4	-	0.151	99.2	-0.13
El. conductivity (25°C)	µS/c	527 ± 4.01	540	-	8.01	102.6	1.68
Magnesium	mg/l	15.1 ± 0.234	16	-	0.462	105.9	1.93
Sodium	mg/l	20 ± 0.246	20	-	0.472	100.0	-0.01
Ammonium (as NH4)	mg/l	0.0446 ± 0.00341	0.05	-	0.00654	112.0	0.82
Nitrite (as NO2)	mg/l	0.0677 ± 0.00219	0.066	-	0.00393	97.5	-0.42
Nitrate (as NO3)	mg/l	12 ± 0.18	12	-	0.345	99.7	-0.12

Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
Orthophosphate (as PO4)	mg/l	0.102 ± 0.00523	<0.2 (LOQ)	-	0.00923	-	-
Sulfate (as SO4)	mg/l	30 ± 0.419	31	-	0.726	103.5	1.44



The following results were achieved:

Sample: N125A

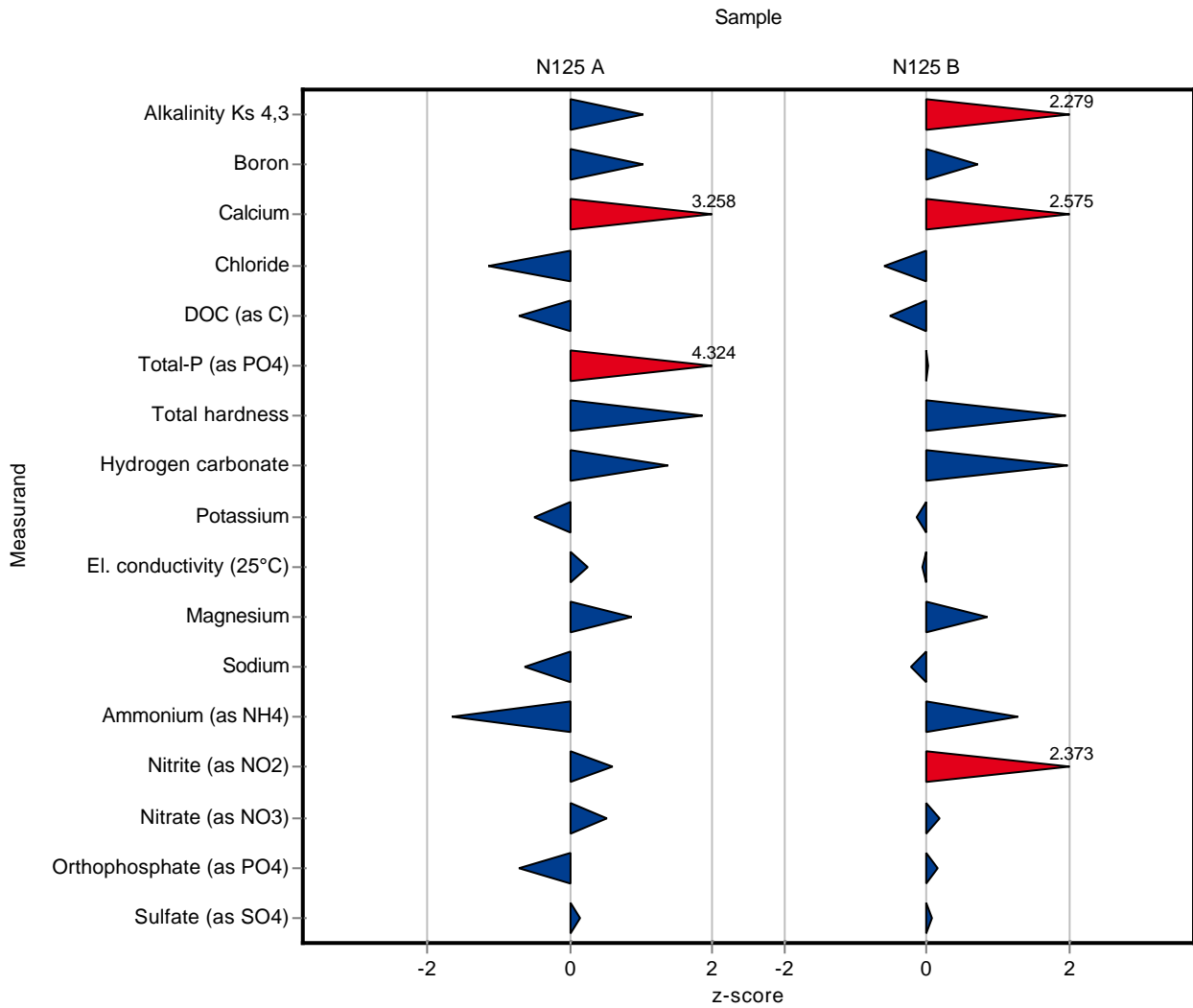
Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
Alkalinity Ks 4,3	mmol/l	5.13 ± 0.0406	5.22	0.3	0.0822	101.7	1.03
Boron	mg/l	0.0561 ± 0.00407	0.062	0.006	0.00576	110.5	1.02
Calcium	mg/l	84.5 ± 0.994	90.6	4.5	1.87	107.2	3.26
Chloride	mg/l	35.5 ± 0.371	34.7	1.7	0.71	97.7	-1.14
DOC (as C)	mg/l	0.789 ± 0.0751	0.7	0.1	0.123	88.7	-0.72
Total-P (as PO4)	mg/l	0.188 ± 0.00875	0.25	0.013	0.0143	132.8	4.32
Total hardness	°d	17.2 ± 0.279	18.2	0.9	0.526	105.7	1.86
Hydrogen carbonate	mg/l	311 ± 2.1	316	16	3.77	101.7	1.36
Potassium	mg/l	3.99 ± 0.0876	3.9	0.2	0.173	97.8	-0.51
El. conductivity (25°C)	µS/c	659 ± 4.22	661	13	8.44	100.3	0.26
Magnesium	mg/l	23.5 ± 0.376	24.1	1.2	0.753	102.8	0.86
Sodium	mg/l	18.9 ± 0.221	18.6	0.9	0.423	98.6	-0.65
Ammonium (as NH4)	mg/l	0.104 ± 0.00531	0.087	0.009	0.0102	83.7	-1.66
Nitrite (as NO2)	mg/l	0.18 ± 0.00409	0.184	0.009	0.00721	102.4	0.59
Nitrate (as NO3)	mg/l	7.47 ± 0.133	7.6	0.4	0.247	101.7	0.52
Orthophosphate (as PO4)	mg/l	0.109 ± 0.00298	0.105	0.005	0.00496	96.7	-0.73
Sulfate (as SO4)	mg/l	40.6 ± 0.63	40.8	2	1.13	100.4	0.13

Sample: N125B

Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
Alkalinity Ks 4,3	mmol/l	3.82 ± 0.0323	3.97	0.2	0.0637	103.8	2.28
Boron	mg/l	0.0192 ± 0.00201	0.021	0.002	0.00259	109.6	0.71
Calcium	mg/l	67.4 ± 0.89	71.9	3.6	1.73	106.6	2.58
Chloride	mg/l	31.4 ± 0.409	30.9	1.5	0.817	98.5	-0.58
DOC (as C)	mg/l	2.29 ± 0.0987	2.2	0.2	0.168	96.2	-0.51
Total-P (as PO4)	mg/l	0.117 ± 0.00634	0.117	0.006	0.0108	100.3	0.03
Total hardness	°d	12.9 ± 0.189	13.6	0.7	0.345	105.2	1.94
Hydrogen carbonate	mg/l	232 ± 2.04	239	12	3.67	103.2	1.99
Potassium	mg/l	2.42 ± 0.0768	2.4	0.1	0.151	99.2	-0.13
El. conductivity (25°C)	µS/c	527 ± 4.01	526	11	8.01	99.9	-0.06
Magnesium	mg/l	15.1 ± 0.234	15.5	0.8	0.462	102.6	0.85
Sodium	mg/l	20 ± 0.246	19.9	0.9	0.472	99.5	-0.23
Ammonium (as NH4)	mg/l	0.0446 ± 0.00341	0.053	0.005	0.00654	118.8	1.28
Nitrite (as NO2)	mg/l	0.0677 ± 0.00219	0.077	0.004	0.00393	113.8	2.37
Nitrate (as NO3)	mg/l	12 ± 0.18	12.1	0.6	0.345	100.5	0.17



Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
Orthophosphate (as PO <sub>4</sub> )	mg/l	0.102 ± 0.00523	0.103	0.005	0.00923	101.3	0.15
Sulfate (as SO <sub>4</sub> )	mg/l	30 ± 0.419	30	1.5	0.726	100.2	0.06



The following results were achieved:

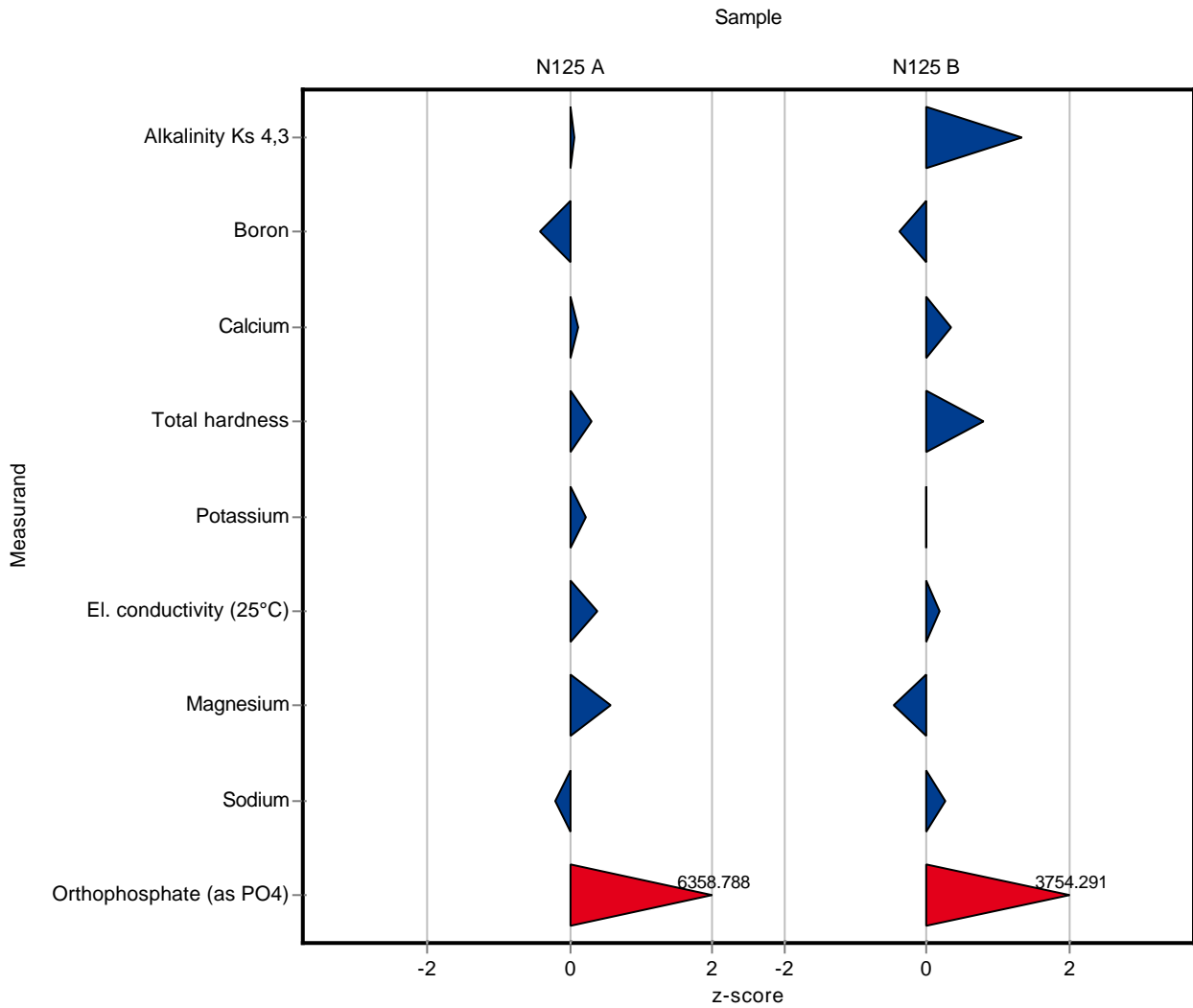
Sample: N125A

Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
Alkalinity Ks 4,3	mmol/l	5.13 ± 0.0406	5.14	-	0.0822	100.1	0.06
Boron	mg/l	0.0561 ± 0.00407	0.0537	0.0014	0.00576	95.7	-0.42
Calcium	mg/l	84.5 ± 0.994	84.697	2.7292	1.87	100.2	0.11
Chloride	mg/l	35.5 ± 0.371	-	-	0.71	-	-
DOC (as C)	mg/l	0.789 ± 0.0751	-	-	0.123	-	-
Total-P (as PO4)	mg/l	0.188 ± 0.00875	-	-	0.0143	-	-
Total hardness	°d	17.2 ± 0.279	17.38	-	0.526	100.9	0.30
Hydrogen carbonate	mg/l	311 ± 2.1	-	-	3.77	-	-
Potassium	mg/l	3.99 ± 0.0876	4.0263	0.2321	0.173	100.9	0.22
El. conductivity (25°C)	µS/c	659 ± 4.22	662	-	8.44	100.5	0.38
Magnesium	mg/l	23.5 ± 0.376	23.8845	1.1692	0.753	101.8	0.58
Sodium	mg/l	18.9 ± 0.221	18.7868	1.3606	0.423	99.5	-0.20
Ammonium (as NH4)	mg/l	0.104 ± 0.00531	-	-	0.0102	-	-
Nitrite (as NO2)	mg/l	0.18 ± 0.00409	-	-	0.00721	-	-
Nitrate (as NO3)	mg/l	7.47 ± 0.133	-	-	0.247	-	-
Orthophosphate (as PO4)	mg/l	0.109 ± 0.00298	31.68	-	0.00496	29165.9	6358.79
Sulfate (as SO4)	mg/l	40.6 ± 0.63	-	-	1.13	-	-

Sample: N125B

Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
Alkalinity Ks 4,3	mmol/l	3.82 ± 0.0323	3.91	-	0.0637	102.2	1.34
Boron	mg/l	0.0192 ± 0.00201	0.0182	0.0016	0.00259	95.0	-0.37
Calcium	mg/l	67.4 ± 0.89	68.0562	2.586	1.73	100.9	0.35
Chloride	mg/l	31.4 ± 0.409	-	-	0.817	-	-
DOC (as C)	mg/l	2.29 ± 0.0987	-	-	0.168	-	-
Total-P (as PO4)	mg/l	0.117 ± 0.00634	-	-	0.0108	-	-
Total hardness	°d	12.9 ± 0.189	13.21	-	0.345	102.2	0.81
Hydrogen carbonate	mg/l	232 ± 2.04	-	-	3.67	-	-
Potassium	mg/l	2.42 ± 0.0768	2.4192	0.2416	0.151	100.0	0.00
El. conductivity (25°C)	µS/c	527 ± 4.01	528	-	8.01	100.3	0.19
Magnesium	mg/l	15.1 ± 0.234	14.8906	1.2033	0.462	98.6	-0.47
Sodium	mg/l	20 ± 0.246	20.1301	1.3555	0.472	100.6	0.26
Ammonium (as NH4)	mg/l	0.0446 ± 0.00341	-	-	0.00654	-	-
Nitrite (as NO2)	mg/l	0.0677 ± 0.00219	-	-	0.00393	-	-
Nitrate (as NO3)	mg/l	12 ± 0.18	-	-	0.345	-	-

Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
Orthophosphate (as PO4)	mg/l	0.102 ± 0.00523	34.75	-	0.00923	34185.9	3754.29
Sulfate (as SO4)	mg/l	30 ± 0.419	-	-	0.726	-	-



The following results were achieved:

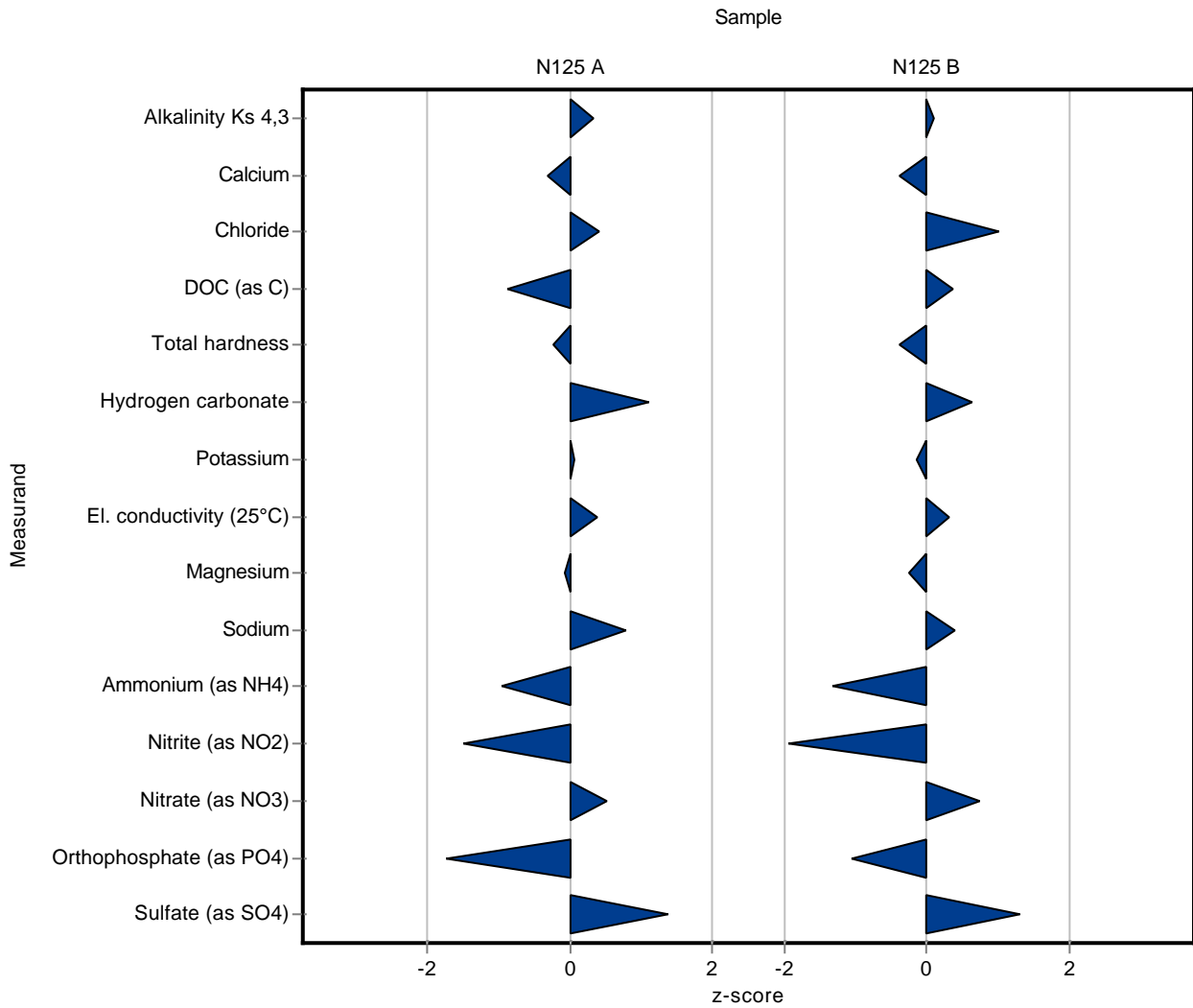
Sample: N125A

Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
Alkalinity Ks 4,3	mmol/l	5.13 ± 0.0406	5.162	0.516	0.0822	100.5	0.33
Boron	mg/l	0.0561 ± 0.00407	-	-	0.00576	-	-
Calcium	mg/l	84.5 ± 0.994	83.9	5.9	1.87	99.3	-0.32
Chloride	mg/l	35.5 ± 0.371	35.8	2.5	0.71	100.8	0.41
DOC (as C)	mg/l	0.789 ± 0.0751	0.68	0.14	0.123	86.2	-0.89
Total-P (as PO4)	mg/l	0.188 ± 0.00875	-	-	0.0143	-	-
Total hardness	°d	17.2 ± 0.279	17.1	1.9	0.526	99.3	-0.23
Hydrogen carbonate	mg/l	311 ± 2.1	315	32	3.77	101.3	1.10
Potassium	mg/l	3.99 ± 0.0876	4	0.4	0.173	100.3	0.07
El. conductivity (25°C)	µS/c	659 ± 4.22	662	33	8.44	100.5	0.38
Magnesium	mg/l	23.5 ± 0.376	23.4	2.1	0.753	99.8	-0.07
Sodium	mg/l	18.9 ± 0.221	19.2	1.5	0.423	101.7	0.77
Ammonium (as NH4)	mg/l	0.104 ± 0.00531	0.094	0.015	0.0102	90.5	-0.97
Nitrite (as NO2)	mg/l	0.18 ± 0.00409	0.169	0.017	0.00721	94.0	-1.49
Nitrate (as NO3)	mg/l	7.47 ± 0.133	7.6	0.9	0.247	101.7	0.52
Orthophosphate (as PO4)	mg/l	0.109 ± 0.00298	0.1	0.013	0.00496	92.1	-1.74
Sulfate (as SO4)	mg/l	40.6 ± 0.63	42.2	2.5	1.13	103.8	1.37

Sample: N125B

Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
Alkalinity Ks 4,3	mmol/l	3.82 ± 0.0323	3.831	0.383	0.0637	100.2	0.10
Boron	mg/l	0.0192 ± 0.00201	-	-	0.00259	-	-
Calcium	mg/l	67.4 ± 0.89	66.8	4.7	1.73	99.0	-0.37
Chloride	mg/l	31.4 ± 0.409	32.2	2.3	0.817	102.6	1.01
DOC (as C)	mg/l	2.29 ± 0.0987	2.35	0.19	0.168	102.8	0.38
Total-P (as PO4)	mg/l	0.117 ± 0.00634	-	-	0.0108	-	-
Total hardness	°d	12.9 ± 0.189	12.8	1.5	0.345	99.0	-0.38
Hydrogen carbonate	mg/l	232 ± 2.04	234	23	3.67	101.0	0.63
Potassium	mg/l	2.42 ± 0.0768	2.4	0.2	0.151	99.2	-0.13
El. conductivity (25°C)	µS/c	527 ± 4.01	529	26	8.01	100.5	0.31
Magnesium	mg/l	15.1 ± 0.234	15	1.4	0.462	99.3	-0.23
Sodium	mg/l	20 ± 0.246	20.2	1.6	0.472	101.0	0.41
Ammonium (as NH4)	mg/l	0.0446 ± 0.00341	0.036	0.011	0.00654	80.7	-1.32
Nitrite (as NO2)	mg/l	0.0677 ± 0.00219	0.06	0.008	0.00393	88.7	-1.95
Nitrate (as NO3)	mg/l	12 ± 0.18	12.3	0.7	0.345	102.2	0.75

Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
Orthophosphate (as PO <sub>4</sub> )	mg/l	0.102 ± 0.00523	0.092	0.012	0.00923	90.5	-1.05
Sulfate (as SO <sub>4</sub> )	mg/l	30 ± 0.419	30.9	1.9	0.726	103.2	1.30





The following results were achieved:

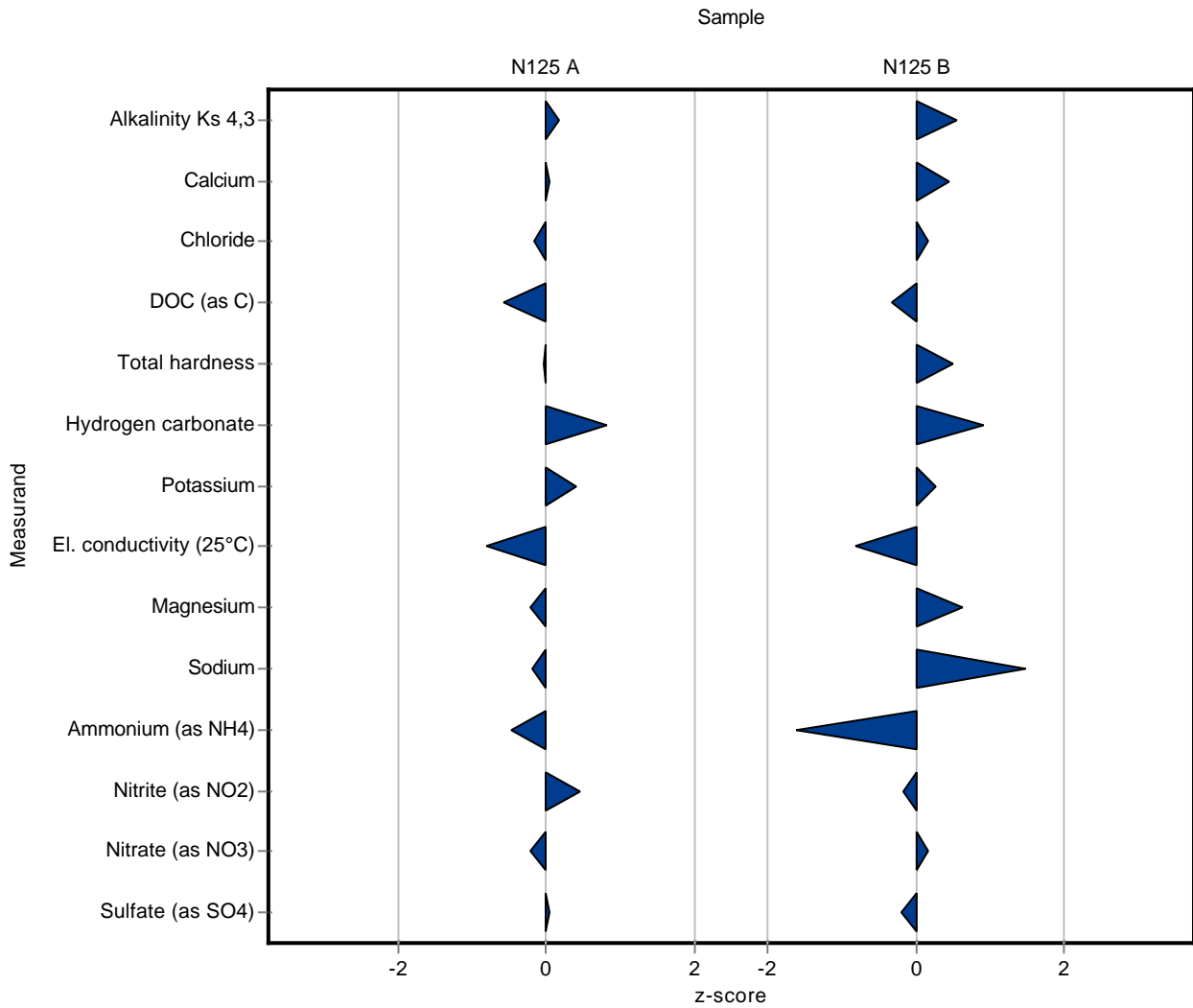
Sample: N125A

Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
Alkalinity Ks 4,3	mmol/l	5.13 ± 0.0406	5.15	0.2	0.0822	100.3	0.18
Boron	mg/l	0.0561 ± 0.00407	-	-	0.00576	-	-
Calcium	mg/l	84.5 ± 0.994	84.6	2	1.87	100.1	0.06
Chloride	mg/l	35.5 ± 0.371	35.4	1	0.71	99.7	-0.15
DOC (as C)	mg/l	0.789 ± 0.0751	0.72	0.2	0.123	91.3	-0.56
Total-P (as PO4)	mg/l	0.188 ± 0.00875	-	-	0.0143	-	-
Total hardness	°d	17.2 ± 0.279	17.2	0.2	0.526	99.9	-0.04
Hydrogen carbonate	mg/l	311 ± 2.1	314	5	3.77	101.0	0.83
Potassium	mg/l	3.99 ± 0.0876	4.06	1	0.173	101.8	0.41
El. conductivity (25°C)	µS/c	659 ± 4.22	652	3	8.44	99.0	-0.81
Magnesium	mg/l	23.5 ± 0.376	23.3	1	0.753	99.4	-0.20
Sodium	mg/l	18.9 ± 0.221	18.8	1	0.423	99.6	-0.17
Ammonium (as NH4)	mg/l	0.104 ± 0.00531	0.099	0.005	0.0102	95.3	-0.48
Nitrite (as NO2)	mg/l	0.18 ± 0.00409	0.183	0.005	0.00721	101.8	0.46
Nitrate (as NO3)	mg/l	7.47 ± 0.133	7.42	2	0.247	99.3	-0.21
Orthophosphate (as PO4)	mg/l	0.109 ± 0.00298	-	-	0.00496	-	-
Sulfate (as SO4)	mg/l	40.6 ± 0.63	40.7	1	1.13	100.1	0.04

Sample: N125B

Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
Alkalinity Ks 4,3	mmol/l	3.82 ± 0.0323	3.86	0.2	0.0637	100.9	0.55
Boron	mg/l	0.0192 ± 0.00201	-	-	0.00259	-	-
Calcium	mg/l	67.4 ± 0.89	68.2	2	1.73	101.1	0.44
Chloride	mg/l	31.4 ± 0.409	31.5	1	0.817	100.4	0.15
DOC (as C)	mg/l	2.29 ± 0.0987	2.23	0.2	0.168	97.6	-0.33
Total-P (as PO4)	mg/l	0.117 ± 0.00634	-	-	0.0108	-	-
Total hardness	°d	12.9 ± 0.189	13.1	0.2	0.345	101.3	0.49
Hydrogen carbonate	mg/l	232 ± 2.04	235	5	3.67	101.4	0.90
Potassium	mg/l	2.42 ± 0.0768	2.46	1	0.151	101.7	0.27
El. conductivity (25°C)	µS/c	527 ± 4.01	520	3	8.01	98.8	-0.81
Magnesium	mg/l	15.1 ± 0.234	15.4	1	0.462	101.9	0.63
Sodium	mg/l	20 ± 0.246	20.7	1	0.472	103.5	1.47
Ammonium (as NH4)	mg/l	0.0446 ± 0.00341	0.034	0.005	0.00654	76.2	-1.63
Nitrite (as NO2)	mg/l	0.0677 ± 0.00219	0.067	0.005	0.00393	99.0	-0.17
Nitrate (as NO3)	mg/l	12 ± 0.18	12.1	2	0.345	100.5	0.17

Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
Orthophosphate (as PO <sub>4</sub> )	mg/l	0.102 ± 0.00523	-	-	0.00923	-	-
Sulfate (as SO <sub>4</sub> )	mg/l	30 ± 0.419	29.8	1	0.726	99.5	-0.21



The following results were achieved:

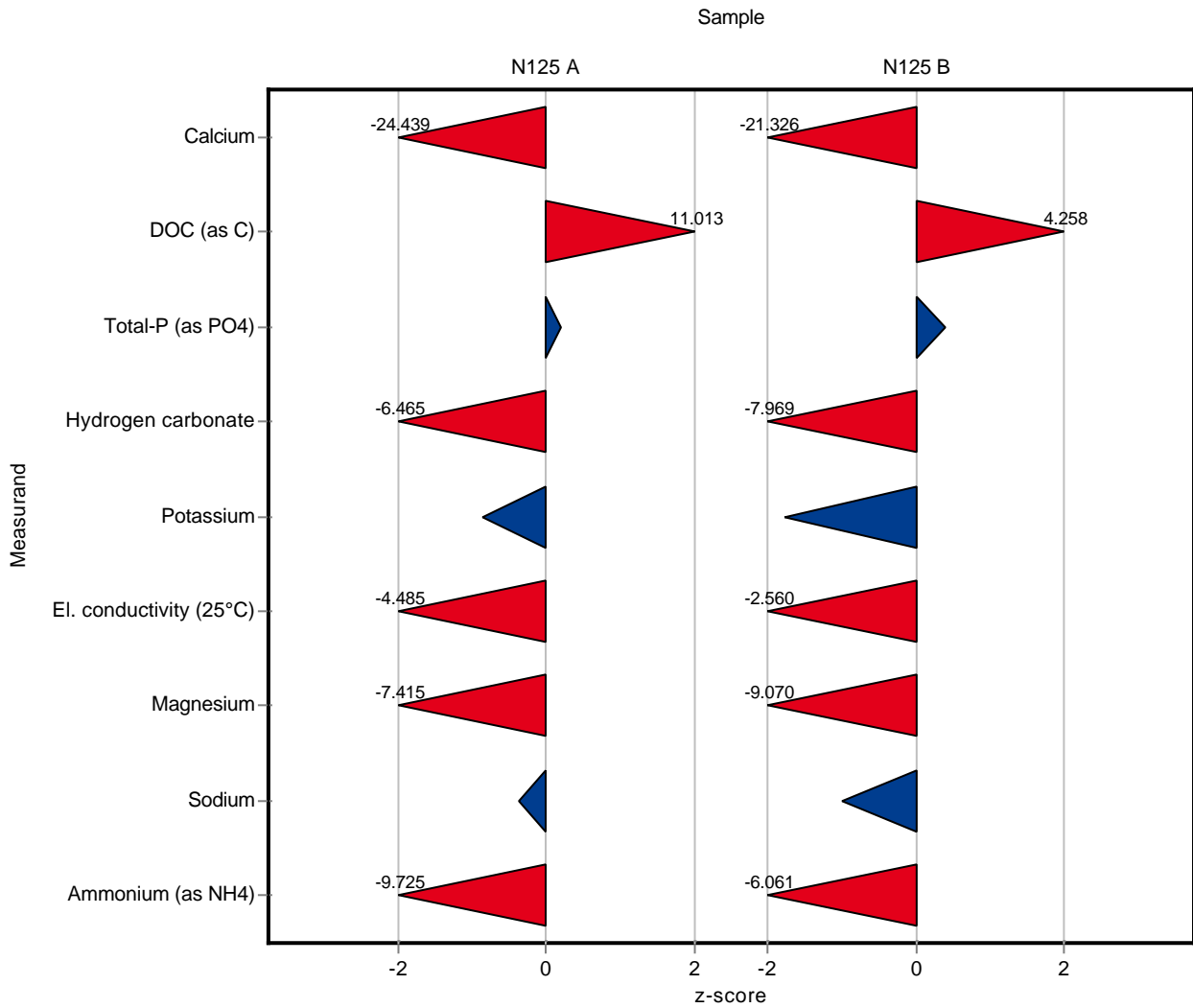
Sample: N125A

Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
Alkalinity Ks 4,3	mmol/l	5.13 ± 0.0406	-	-	0.0822	-	-
Boron	mg/l	0.0561 ± 0.00407	-	-	0.00576	-	-
Calcium	mg/l	84.5 ± 0.994	38.69	0.91	1.87	45.8	-24.44
Chloride	mg/l	35.5 ± 0.371	-	-	0.71	-	-
DOC (as C)	mg/l	0.789 ± 0.0751	2.14	0.17	0.123	271.3	11.01
Total-P (as PO4)	mg/l	0.188 ± 0.00875	0.191	0.002	0.0143	101.5	0.19
Total hardness	°d	17.2 ± 0.279	-	-	0.526	-	-
Hydrogen carbonate	mg/l	311 ± 2.1	286.47	6.77	3.77	92.2	-6.46
Potassium	mg/l	3.99 ± 0.0876	3.84	0.22	0.173	96.3	-0.86
El. conductivity (25°C)	µS/c	659 ± 4.22	621	0.7	8.44	94.3	-4.48
Magnesium	mg/l	23.5 ± 0.376	17.87	0.82	0.753	76.2	-7.42
Sodium	mg/l	18.9 ± 0.221	18.72	0.25	0.423	99.2	-0.36
Ammonium (as NH4)	mg/l	0.104 ± 0.00531	0.005	0.003	0.0102	4.8	-9.73
Nitrite (as NO2)	mg/l	0.18 ± 0.00409	-	-	0.00721	-	-
Nitrate (as NO3)	mg/l	7.47 ± 0.133	-	-	0.247	-	-
Orthophosphate (as PO4)	mg/l	0.109 ± 0.00298	-	-	0.00496	-	-
Sulfate (as SO4)	mg/l	40.6 ± 0.63	-	-	1.13	-	-

Sample: N125B

Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
Alkalinity Ks 4,3	mmol/l	3.82 ± 0.0323	-	-	0.0637	-	-
Boron	mg/l	0.0192 ± 0.00201	-	-	0.00259	-	-
Calcium	mg/l	67.4 ± 0.89	30.55	0.79	1.73	45.3	-21.33
Chloride	mg/l	31.4 ± 0.409	-	-	0.817	-	-
DOC (as C)	mg/l	2.29 ± 0.0987	3	0.26	0.168	131.2	4.26
Total-P (as PO4)	mg/l	0.117 ± 0.00634	0.121	0.001	0.0108	103.7	0.40
Total hardness	°d	12.9 ± 0.189	-	-	0.345	-	-
Hydrogen carbonate	mg/l	232 ± 2.04	202.45	5.13	3.67	87.4	-7.97
Potassium	mg/l	2.42 ± 0.0768	2.15	0.07	0.151	88.9	-1.78
El. conductivity (25°C)	µS/c	527 ± 4.01	506	-	8.01	96.1	-2.56
Magnesium	mg/l	15.1 ± 0.234	10.92	0.17	0.462	72.3	-9.07
Sodium	mg/l	20 ± 0.246	19.53	0.21	0.472	97.6	-1.01
Ammonium (as NH4)	mg/l	0.0446 ± 0.00341	0.005	0.004	0.00654	11.2	-6.06
Nitrite (as NO2)	mg/l	0.0677 ± 0.00219	-	-	0.00393	-	-
Nitrate (as NO3)	mg/l	12 ± 0.18	-	-	0.345	-	-

Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
Orthophosphate (as PO4)	mg/l	0.102 ± 0.00523	-	-	0.00923	-	-
Sulfate (as SO4)	mg/l	30 ± 0.419	-	-	0.726	-	-



The following results were achieved:

Sample: N125A

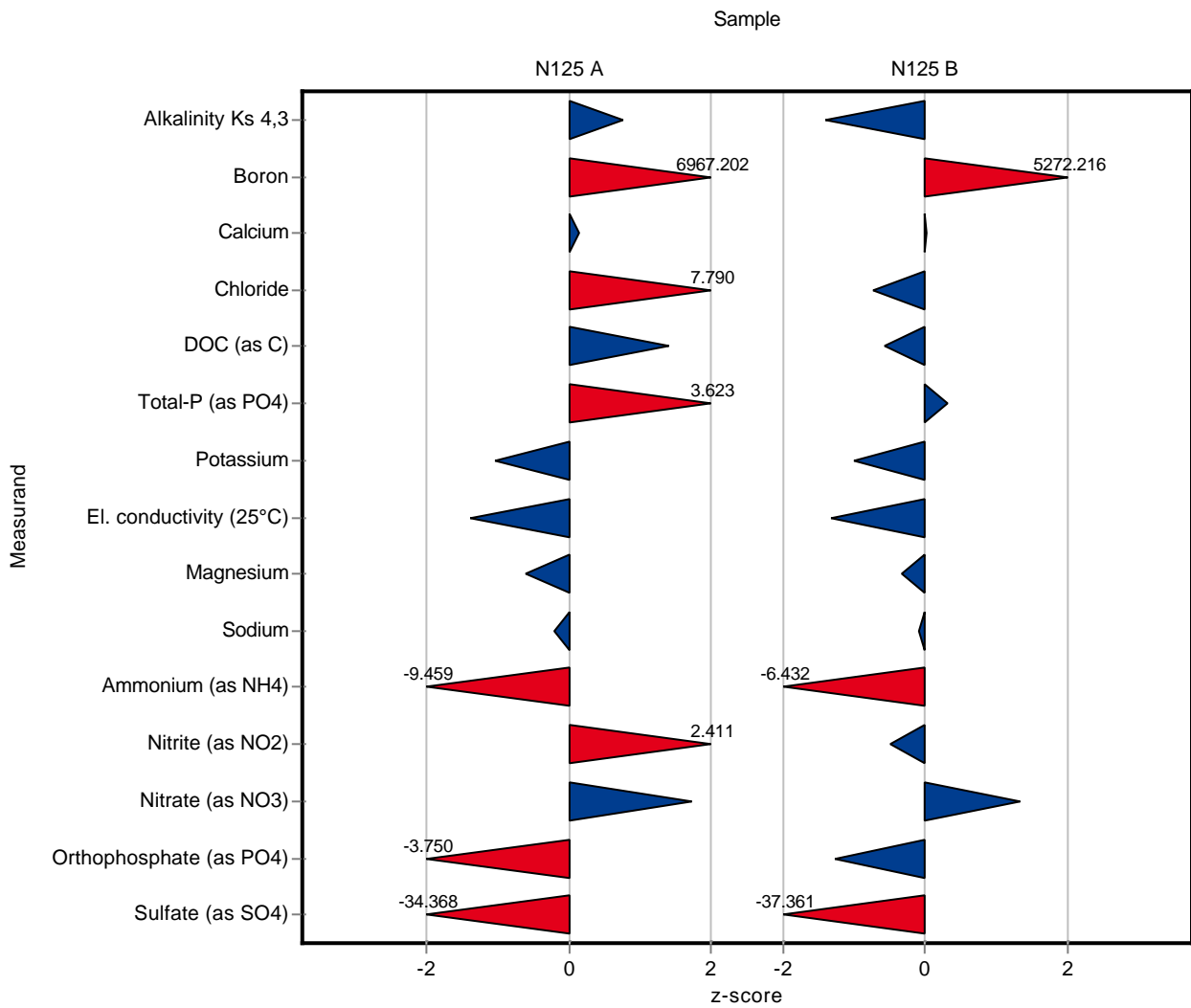
Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
Alkalinity Ks 4,3	mmol/l	5.13 ± 0.0406	5.198	-	0.0822	101.2	0.77
Boron	mg/l	0.0561 ± 0.00407	40.19	-	0.00576	71604.5	6967.20
Calcium	mg/l	84.5 ± 0.994	84.74586667	0.81	1.87	100.3	0.13
Chloride	mg/l	35.5 ± 0.371	41.03683333	0.58	0.71	115.6	7.79
DOC (as C)	mg/l	0.789 ± 0.0751	0.96	0.18	0.123	121.7	1.40
Total-P (as PO4)	mg/l	0.188 ± 0.00875	0.24	0.0003	0.0143	127.5	3.62
Total hardness	°d	17.2 ± 0.279	-	-	0.526	-	-
Hydrogen carbonate	mg/l	311 ± 2.1	-	-	3.77	-	-
Potassium	mg/l	3.99 ± 0.0876	3.81	0.06	0.173	95.5	-1.03
El. conductivity (25°C)	µS/c	659 ± 4.22	647	-	8.44	98.2	-1.40
Magnesium	mg/l	23.5 ± 0.376	23	0.4	0.753	98.1	-0.60
Sodium	mg/l	18.9 ± 0.221	18.78	0.1	0.423	99.5	-0.22
Ammonium (as NH4)	mg/l	0.104 ± 0.00531	0.00771	0.0003	0.0102	7.4	-9.46
Nitrite (as NO2)	mg/l	0.18 ± 0.00409	0.1971	0.0007	0.00721	109.7	2.41
Nitrate (as NO3)	mg/l	7.47 ± 0.133	7.9	0.4	0.247	105.7	1.73
Orthophosphate (as PO4)	mg/l	0.109 ± 0.00298	0.09	0.0015	0.00496	82.9	-3.75
Sulfate (as SO4)	mg/l	40.6 ± 0.63	1.786	0.09	1.13	4.4	-34.37

Sample: N125B

Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
Alkalinity Ks 4,3	mmol/l	3.82 ± 0.0323	3.735	-	0.0637	97.6	-1.41
Boron	mg/l	0.0192 ± 0.00201	13.68	-	0.00259	71398.7	5272.22
Calcium	mg/l	67.4 ± 0.89	67.46203333	1.43	1.73	100.0	0.01
Chloride	mg/l	31.4 ± 0.409	30.78856667	0.04	0.817	98.1	-0.72
DOC (as C)	mg/l	2.29 ± 0.0987	2.19	0.15	0.168	95.8	-0.57
Total-P (as PO4)	mg/l	0.117 ± 0.00634	0.12	0.0006	0.0108	102.8	0.31
Total hardness	°d	12.9 ± 0.189	-	-	0.345	-	-
Hydrogen carbonate	mg/l	232 ± 2.04	-	-	3.67	-	-
Potassium	mg/l	2.42 ± 0.0768	2.27	0.04	0.151	93.8	-0.99
El. conductivity (25°C)	µS/c	527 ± 4.01	516	-	8.01	98.0	-1.31
Magnesium	mg/l	15.1 ± 0.234	14.96	0.3	0.462	99.0	-0.32
Sodium	mg/l	20 ± 0.246	19.96	0.29	0.472	99.8	-0.10
Ammonium (as NH4)	mg/l	0.0446 ± 0.00341	0.00257	0.000128571	0.00654	5.8	-6.43
Nitrite (as NO2)	mg/l	0.0677 ± 0.00219	0.0657	0.0003	0.00393	97.1	-0.50
Nitrate (as NO3)	mg/l	12 ± 0.18	12.5	0.18	0.345	103.8	1.33

Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
Orthophosphate (as PO <sub>4</sub> )	mg/l	0.102 ± 0.00523	0.09	0.0003	0.00923	88.5	-1.26
Sulfate (as SO <sub>4</sub> )	mg/l	30 ± 0.419	2.815	0.04	0.726	9.4	-37.36





The following results were achieved:

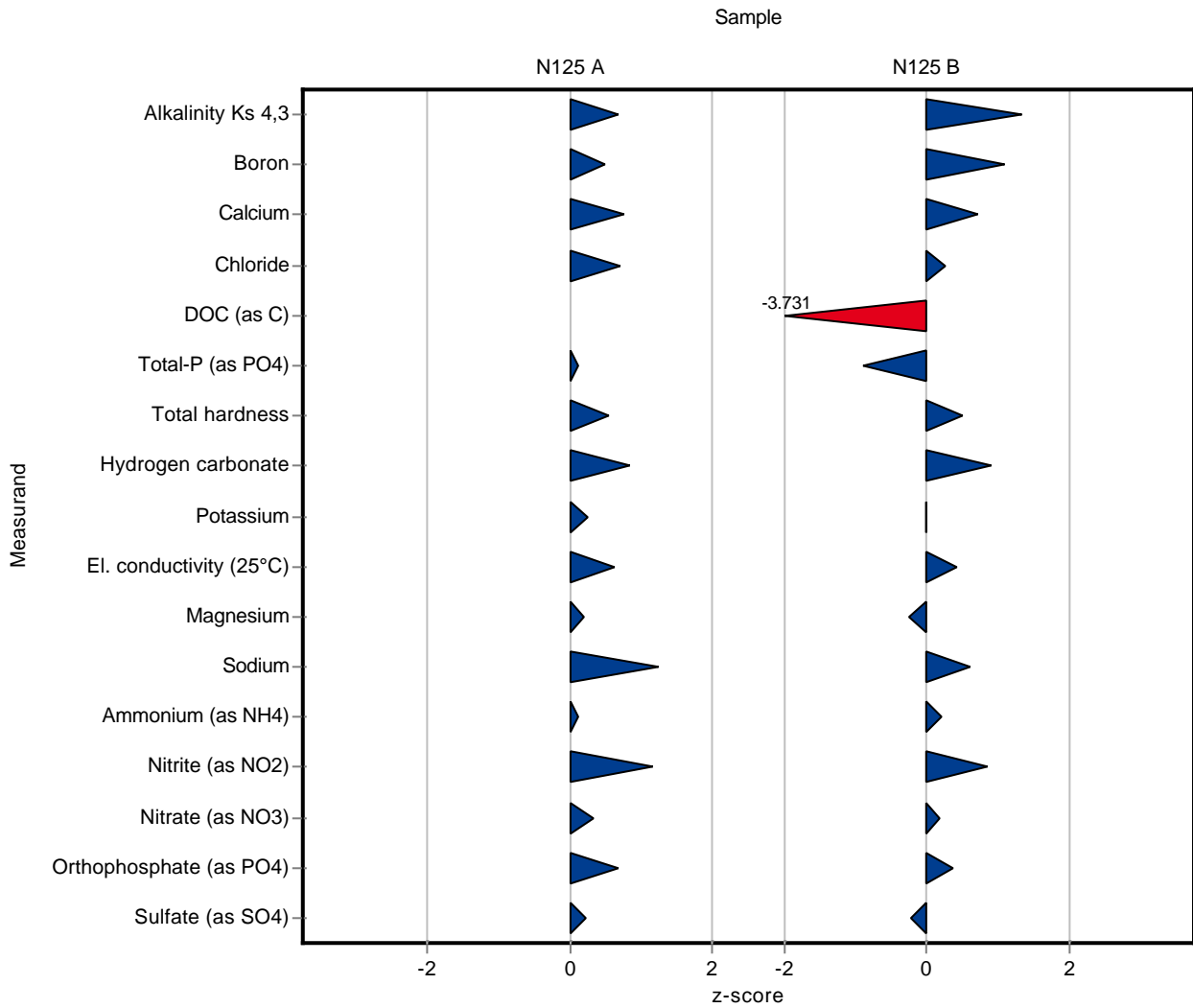
Sample: N125A

Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
Alkalinity Ks 4,3	mmol/l	5.13 ± 0.0406	5.19	0.26	0.0822	101.1	0.67
Boron	mg/l	0.0561 ± 0.00407	0.059	0.006	0.00576	105.1	0.50
Calcium	mg/l	84.5 ± 0.994	85.9	8.6	1.87	101.7	0.75
Chloride	mg/l	35.5 ± 0.371	36	3.6	0.71	101.4	0.69
DOC (as C)	mg/l	0.789 ± 0.0751	<0.5 (LOQ)	-	0.123	-	-
Total-P (as PO4)	mg/l	0.188 ± 0.00875	0.19	0.038	0.0143	100.9	0.12
Total hardness	°d	17.2 ± 0.279	17.5	1.8	0.526	101.6	0.53
Hydrogen carbonate	mg/l	311 ± 2.1	314	16	3.77	101.0	0.83
Potassium	mg/l	3.99 ± 0.0876	4.03	0.4	0.173	101.0	0.24
El. conductivity (25°C)	µS/c	659 ± 4.22	664	13	8.44	100.8	0.61
Magnesium	mg/l	23.5 ± 0.376	23.6	2.4	0.753	100.6	0.20
Sodium	mg/l	18.9 ± 0.221	19.4	1.94	0.423	102.8	1.24
Ammonium (as NH4)	mg/l	0.104 ± 0.00531	0.105	0.011	0.0102	101.1	0.11
Nitrite (as NO2)	mg/l	0.18 ± 0.00409	0.188	0.019	0.00721	104.6	1.15
Nitrate (as NO3)	mg/l	7.47 ± 0.133	7.55	0.76	0.247	101.0	0.32
Orthophosphate (as PO4)	mg/l	0.109 ± 0.00298	0.112	0.011	0.00496	103.1	0.68
Sulfate (as SO4)	mg/l	40.6 ± 0.63	40.9	4.1	1.13	100.6	0.22

Sample: N125B

Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
Alkalinity Ks 4,3	mmol/l	3.82 ± 0.0323	3.91	0.2	0.0637	102.2	1.34
Boron	mg/l	0.0192 ± 0.00201	0.022	0.002	0.00259	114.8	1.10
Calcium	mg/l	67.4 ± 0.89	68.7	6.9	1.73	101.9	0.73
Chloride	mg/l	31.4 ± 0.409	31.6	3.2	0.817	100.7	0.27
DOC (as C)	mg/l	2.29 ± 0.0987	1.66	0.17	0.168	72.6	-3.73
Total-P (as PO4)	mg/l	0.117 ± 0.00634	0.107	0.021	0.0108	91.7	-0.90
Total hardness	°d	12.9 ± 0.189	13.1	1.3	0.345	101.3	0.49
Hydrogen carbonate	mg/l	232 ± 2.04	235	12	3.67	101.4	0.90
Potassium	mg/l	2.42 ± 0.0768	2.42	0.24	0.151	100.0	0.00
El. conductivity (25°C)	µS/c	527 ± 4.01	530	11	8.01	100.7	0.44
Magnesium	mg/l	15.1 ± 0.234	15	1.5	0.462	99.3	-0.23
Sodium	mg/l	20 ± 0.246	20.3	2.03	0.472	101.5	0.62
Ammonium (as NH4)	mg/l	0.0446 ± 0.00341	0.046	0.007	0.00654	103.1	0.21
Nitrite (as NO2)	mg/l	0.0677 ± 0.00219	0.071	0.0107	0.00393	104.9	0.85
Nitrate (as NO3)	mg/l	12 ± 0.18	12.1	1.2	0.345	100.5	0.17

Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
Orthophosphate (as PO <sub>4</sub> )	mg/l	0.102 ± 0.00523	0.105	0.011	0.00923	103.3	0.36
Sulfate (as SO <sub>4</sub> )	mg/l	30 ± 0.419	29.8	3	0.726	99.5	-0.21



The following results were achieved:

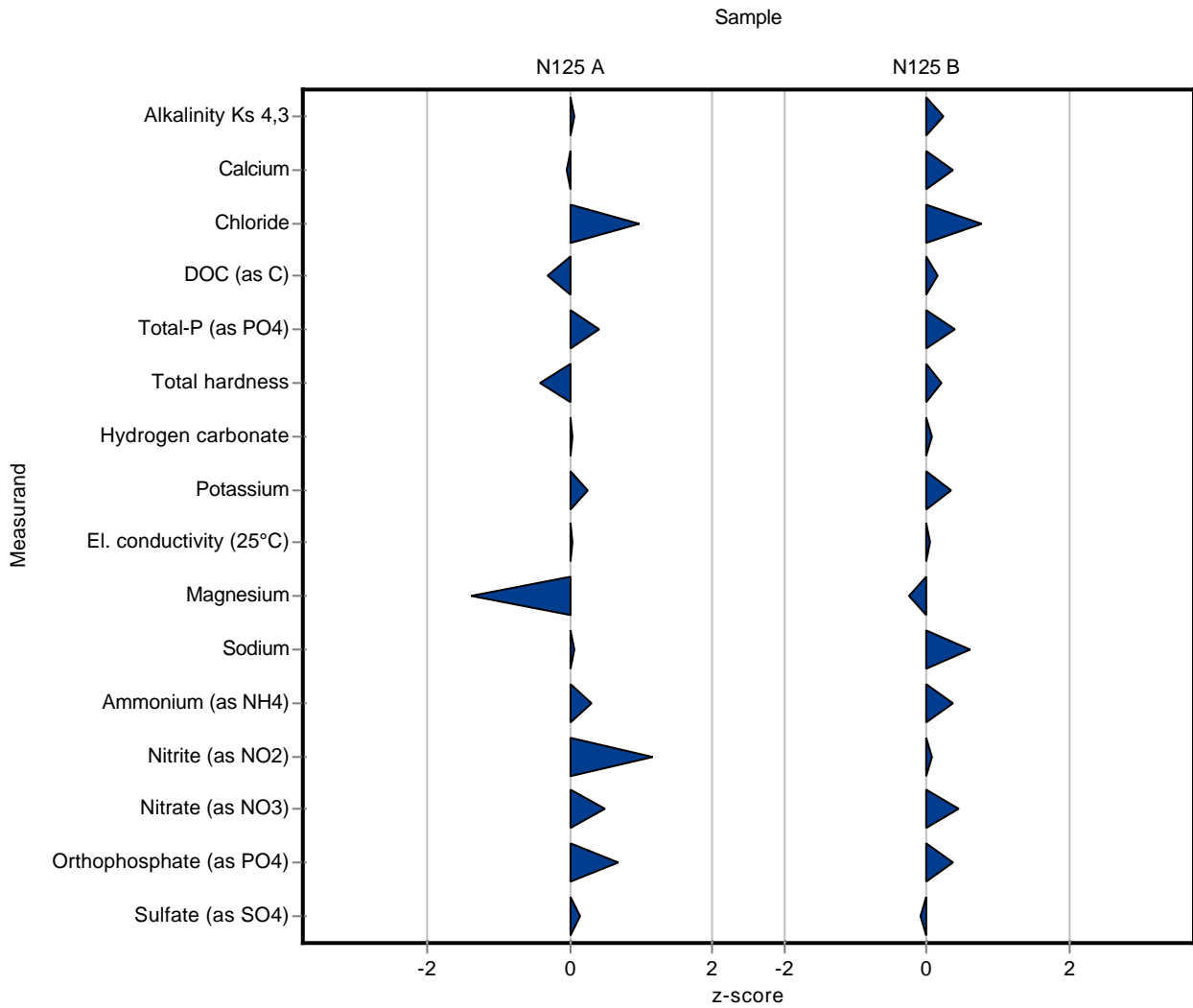
Sample: N125A

Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
Alkalinity Ks 4,3	mmol/l	5.13 ± 0.0406	5.14	0.2	0.0822	100.1	0.06
Boron	mg/l	0.0561 ± 0.00407	-	-	0.00576	-	-
Calcium	mg/l	84.5 ± 0.994	84.4	8	1.87	99.9	-0.05
Chloride	mg/l	35.5 ± 0.371	36.2	4	0.71	101.9	0.97
DOC (as C)	mg/l	0.789 ± 0.0751	0.75	0.12	0.123	95.1	-0.32
Total-P (as PO4)	mg/l	0.188 ± 0.00875	0.194	0.03	0.0143	103.1	0.40
Total hardness	°d	17.2 ± 0.279	17	0.9	0.526	98.7	-0.42
Hydrogen carbonate	mg/l	311 ± 2.1	311	10	3.77	100.0	0.04
Potassium	mg/l	3.99 ± 0.0876	4.03	0.7	0.173	101.0	0.24
El. conductivity (25°C)	µS/c	659 ± 4.22	659	27	8.44	100.0	0.02
Magnesium	mg/l	23.5 ± 0.376	22.4	3	0.753	95.5	-1.40
Sodium	mg/l	18.9 ± 0.221	18.9	2.9	0.423	100.1	0.06
Ammonium (as NH4)	mg/l	0.104 ± 0.00531	0.107	0.02	0.0102	103.0	0.31
Nitrite (as NO2)	mg/l	0.18 ± 0.00409	0.188	0.02	0.00721	104.6	1.15
Nitrate (as NO3)	mg/l	7.47 ± 0.133	7.59	0.6	0.247	101.6	0.48
Orthophosphate (as PO4)	mg/l	0.109 ± 0.00298	0.112	0.02	0.00496	103.1	0.68
Sulfate (as SO4)	mg/l	40.6 ± 0.63	40.8	3	1.13	100.4	0.13

Sample: N125B

Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
Alkalinity Ks 4,3	mmol/l	3.82 ± 0.0323	3.84	0.2	0.0637	100.4	0.24
Boron	mg/l	0.0192 ± 0.00201	-	-	0.00259	-	-
Calcium	mg/l	67.4 ± 0.89	68.1	7	1.73	101.0	0.38
Chloride	mg/l	31.4 ± 0.409	32	3	0.817	102.0	0.76
DOC (as C)	mg/l	2.29 ± 0.0987	2.31	0.4	0.168	101.1	0.14
Total-P (as PO4)	mg/l	0.117 ± 0.00634	0.121	0.02	0.0108	103.7	0.40
Total hardness	°d	12.9 ± 0.189	13	0.7	0.345	100.5	0.20
Hydrogen carbonate	mg/l	232 ± 2.04	232	7	3.67	100.1	0.08
Potassium	mg/l	2.42 ± 0.0768	2.47	0.4	0.151	102.1	0.33
El. conductivity (25°C)	µS/c	527 ± 4.01	527	22	8.01	100.1	0.06
Magnesium	mg/l	15.1 ± 0.234	15	2	0.462	99.3	-0.23
Sodium	mg/l	20 ± 0.246	20.3	4	0.472	101.5	0.62
Ammonium (as NH4)	mg/l	0.0446 ± 0.00341	0.047	0.008	0.00654	105.3	0.36
Nitrite (as NO2)	mg/l	0.0677 ± 0.00219	0.068	0.007	0.00393	100.5	0.09
Nitrate (as NO3)	mg/l	12 ± 0.18	12.2	0.9	0.345	101.3	0.46

Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
Orthophosphate (as PO <sub>4</sub> )	mg/l	0.102 ± 0.00523	0.105	0.02	0.00923	103.3	0.36
Sulfate (as SO <sub>4</sub> )	mg/l	30 ± 0.419	29.9	2	0.726	99.8	-0.07



The following results were achieved:

Sample: N125A

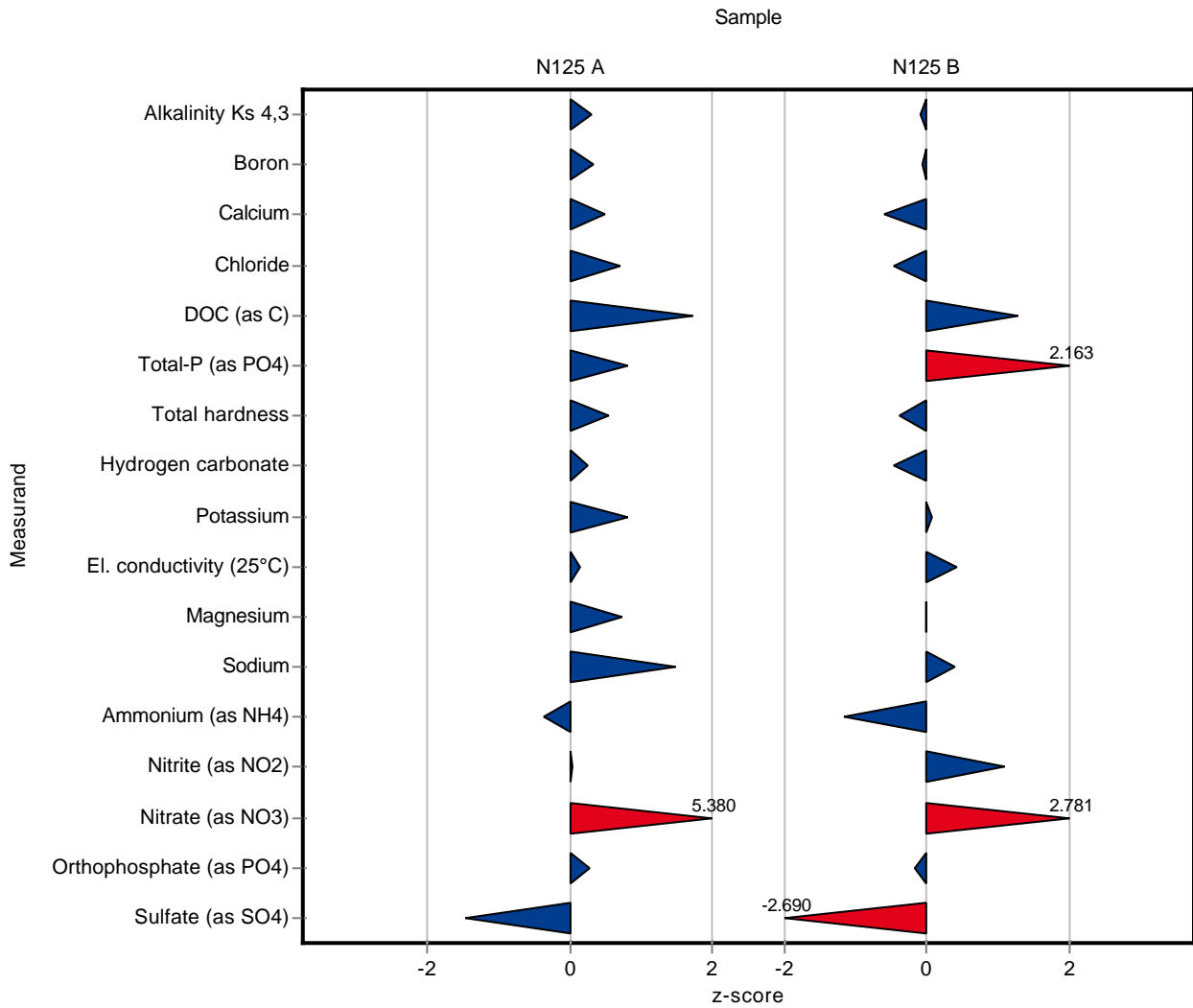
Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
Alkalinity Ks 4,3	mmol/l	5.13 ± 0.0406	5.16	0.06	0.0822	100.5	0.30
Boron	mg/l	0.0561 ± 0.00407	0.058	0.01	0.00576	103.3	0.33
Calcium	mg/l	84.5 ± 0.994	85.4	5	1.87	101.1	0.48
Chloride	mg/l	35.5 ± 0.371	36	0.2	0.71	101.4	0.69
DOC (as C)	mg/l	0.789 ± 0.0751	1	0.05	0.123	126.8	1.72
Total-P (as PO4)	mg/l	0.188 ± 0.00875	0.2	0.008	0.0143	106.2	0.82
Total hardness	°d	17.2 ± 0.279	17.5	-	0.526	101.6	0.53
Hydrogen carbonate	mg/l	311 ± 2.1	311.8	-	3.77	100.3	0.25
Potassium	mg/l	3.99 ± 0.0876	4.13	1	0.173	103.5	0.82
El. conductivity (25°C)	µS/c	659 ± 4.22	660	8	8.44	100.2	0.14
Magnesium	mg/l	23.5 ± 0.376	24	5	0.753	102.3	0.73
Sodium	mg/l	18.9 ± 0.221	19.5	1	0.423	103.3	1.48
Ammonium (as NH4)	mg/l	0.104 ± 0.00531	0.1	0.002	0.0102	96.3	-0.38
Nitrite (as NO2)	mg/l	0.18 ± 0.00409	0.18	0.0015	0.00721	100.2	0.04
Nitrate (as NO3)	mg/l	7.47 ± 0.133	8.8	0.2	0.247	117.8	5.38
Orthophosphate (as PO4)	mg/l	0.109 ± 0.00298	0.11	0.005	0.00496	101.3	0.28
Sulfate (as SO4)	mg/l	40.6 ± 0.63	39	0.3	1.13	95.9	-1.46

Sample: N125B

Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
Alkalinity Ks 4,3	mmol/l	3.82 ± 0.0323	3.82	0.006	0.0637	99.9	-0.08
Boron	mg/l	0.0192 ± 0.00201	0.019	0.01	0.00259	99.2	-0.06
Calcium	mg/l	67.4 ± 0.89	66.4	5	1.73	98.5	-0.60
Chloride	mg/l	31.4 ± 0.409	31	1	0.817	98.8	-0.46
DOC (as C)	mg/l	2.29 ± 0.0987	2.5	0.06	0.168	109.4	1.28
Total-P (as PO4)	mg/l	0.117 ± 0.00634	0.14	0.004	0.0108	120.0	2.16
Total hardness	°d	12.9 ± 0.189	12.8	-	0.345	99.0	-0.38
Hydrogen carbonate	mg/l	232 ± 2.04	230	-	3.67	99.3	-0.46
Potassium	mg/l	2.42 ± 0.0768	2.43	1	0.151	100.4	0.07
El. conductivity (25°C)	µS/c	527 ± 4.01	530	6	8.01	100.7	0.44
Magnesium	mg/l	15.1 ± 0.234	15.1	5	0.462	99.9	-0.02
Sodium	mg/l	20 ± 0.246	20.2	1	0.472	101.0	0.41
Ammonium (as NH4)	mg/l	0.0446 ± 0.00341	0.037	0.002	0.00654	82.9	-1.17
Nitrite (as NO2)	mg/l	0.0677 ± 0.00219	0.072	0.0015	0.00393	106.4	1.10
Nitrate (as NO3)	mg/l	12 ± 0.18	13	0.22	0.345	108.0	2.78



Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
Orthophosphate (as PO <sub>4</sub> )	mg/l	0.102 ± 0.00523	0.1	0.005	0.00923	98.4	-0.18
Sulfate (as SO <sub>4</sub> )	mg/l	30 ± 0.419	28	0.15	0.726	93.5	-2.69



The following results were achieved:

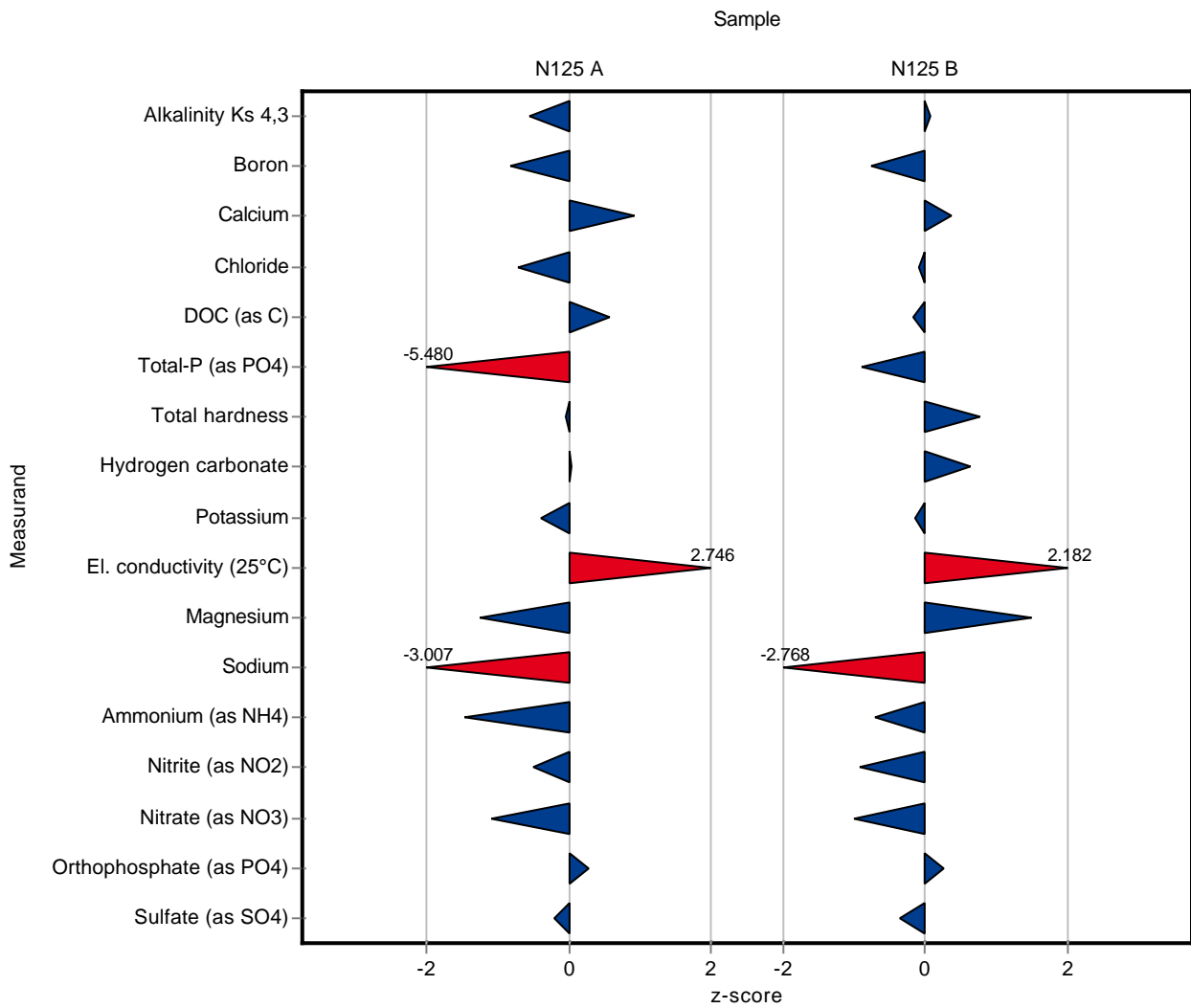
Sample: N125A

Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
Alkalinity Ks 4,3	mmol/l	5.13 ± 0.0406	5.09	0.3054	0.0822	99.1	-0.55
Boron	mg/l	0.0561 ± 0.00407	0.0514	0.0072	0.00576	91.6	-0.82
Calcium	mg/l	84.5 ± 0.994	86.2	6.896	1.87	102.0	0.91
Chloride	mg/l	35.5 ± 0.371	35	1.05	0.71	98.6	-0.72
DOC (as C)	mg/l	0.789 ± 0.0751	0.86	0.0774	0.123	109.0	0.58
Total-P (as PO4)	mg/l	0.188 ± 0.00875	0.11	0.0044	0.0143	58.4	-5.48
Total hardness	°d	17.2 ± 0.279	17.2	1.376	0.526	99.9	-0.04
Hydrogen carbonate	mg/l	311 ± 2.1	311	18.66	3.77	100.0	0.04
Potassium	mg/l	3.99 ± 0.0876	3.92	0.7448	0.173	98.3	-0.40
El. conductivity (25°C)	µS/c	659 ± 4.22	682	34.1	8.44	103.5	2.75
Magnesium	mg/l	23.5 ± 0.376	22.5	2.5	0.753	95.9	-1.26
Sodium	mg/l	18.9 ± 0.221	17.6	1.056	0.423	93.3	-3.01
Ammonium (as NH4)	mg/l	0.104 ± 0.00531	0.089	0.008	0.0102	85.7	-1.46
Nitrite (as NO2)	mg/l	0.18 ± 0.00409	0.176	0.007	0.00721	97.9	-0.51
Nitrate (as NO3)	mg/l	7.47 ± 0.133	7.2	0.432	0.247	96.4	-1.10
Orthophosphate (as PO4)	mg/l	0.109 ± 0.00298	0.11	0.0044	0.00496	101.3	0.28
Sulfate (as SO4)	mg/l	40.6 ± 0.63	40.4	2.424	1.13	99.4	-0.22

Sample: N125B

Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
Alkalinity Ks 4,3	mmol/l	3.82 ± 0.0323	3.83	0.2298	0.0637	100.1	0.08
Boron	mg/l	0.0192 ± 0.00201	0.0172	0.0024	0.00259	89.8	-0.76
Calcium	mg/l	67.4 ± 0.89	68.1	5.448	1.73	101.0	0.38
Chloride	mg/l	31.4 ± 0.409	31.3	0.939	0.817	99.8	-0.09
DOC (as C)	mg/l	2.29 ± 0.0987	2.26	0.2034	0.168	98.9	-0.15
Total-P (as PO4)	mg/l	0.117 ± 0.00634	0.107	0.0043	0.0108	91.7	-0.90
Total hardness	°d	12.9 ± 0.189	13.2	1.056	0.345	102.1	0.78
Hydrogen carbonate	mg/l	232 ± 2.04	234	14.04	3.67	101.0	0.63
Potassium	mg/l	2.42 ± 0.0768	2.4	0.456	0.151	99.2	-0.13
El. conductivity (25°C)	µS/c	527 ± 4.01	544	27.2	8.01	103.3	2.18
Magnesium	mg/l	15.1 ± 0.234	15.8	5.8	0.462	104.6	1.50
Sodium	mg/l	20 ± 0.246	18.7	1.122	0.472	93.5	-2.77
Ammonium (as NH4)	mg/l	0.0446 ± 0.00341	0.04	0.0036	0.00654	89.6	-0.71
Nitrite (as NO2)	mg/l	0.0677 ± 0.00219	0.064	0.0026	0.00393	94.6	-0.93
Nitrate (as NO3)	mg/l	12 ± 0.18	11.7	0.702	0.345	97.2	-0.99

Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
Orthophosphate (as PO <sub>4</sub> )	mg/l	0.102 ± 0.00523	0.104	0.0042	0.00923	102.3	0.25
Sulfate (as SO <sub>4</sub> )	mg/l	30 ± 0.419	29.7	1.782	0.726	99.2	-0.35



The following results were achieved:

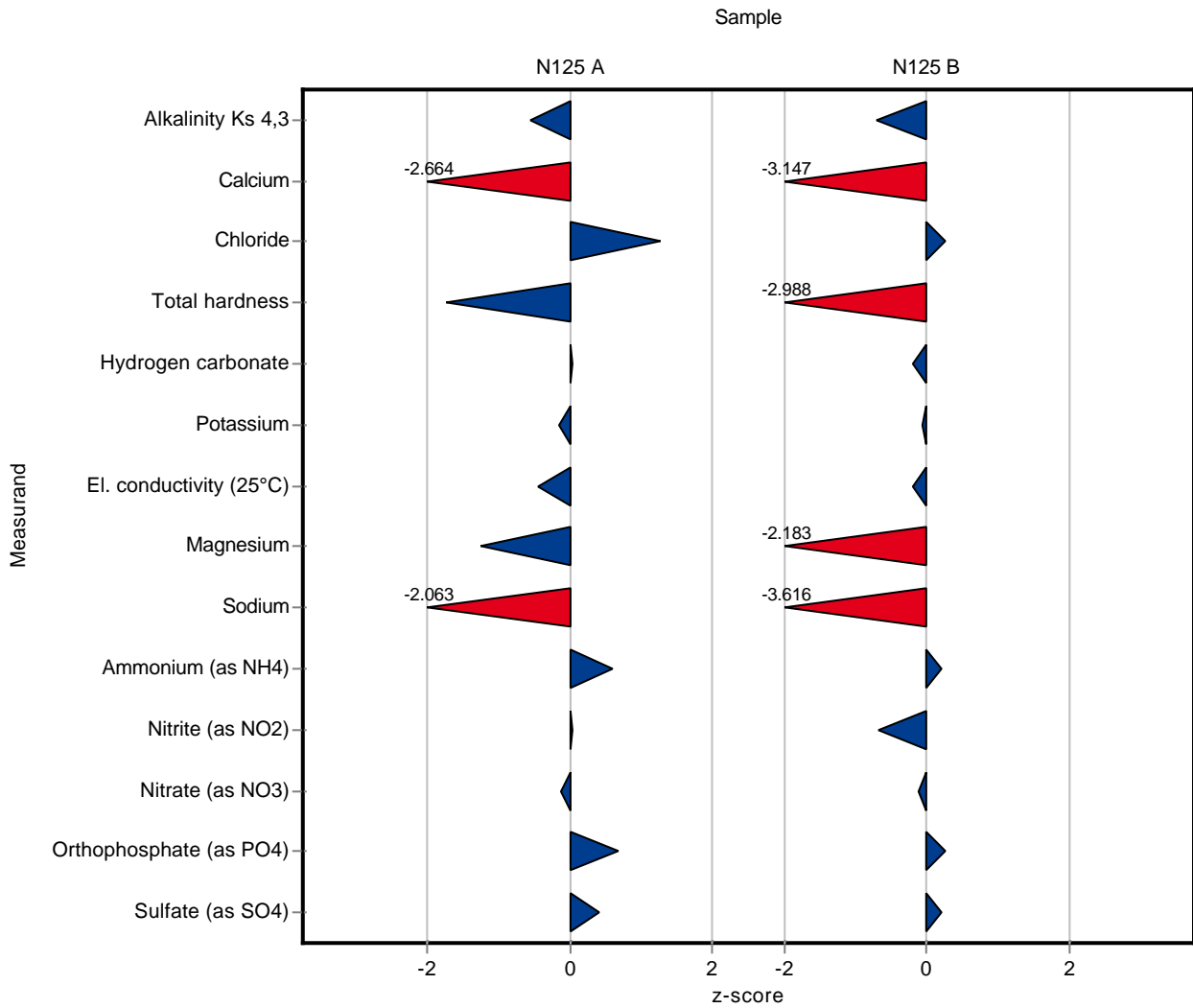
Sample: N125A

Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
Alkalinity Ks 4,3	mmol/l	5.13 ± 0.0406	5.09	0.51	0.0822	99.1	-0.55
Boron	mg/l	0.0561 ± 0.00407	-	-	0.00576	-	-
Calcium	mg/l	84.5 ± 0.994	79.5	8	1.87	94.1	-2.66
Chloride	mg/l	35.5 ± 0.371	36.4	3.6	0.71	102.5	1.26
DOC (as C)	mg/l	0.789 ± 0.0751	-	-	0.123	-	-
Total-P (as PO4)	mg/l	0.188 ± 0.00875	-	-	0.0143	-	-
Total hardness	°d	17.2 ± 0.279	16.3	1.6	0.526	94.7	-1.75
Hydrogen carbonate	mg/l	311 ± 2.1	311	31	3.77	100.0	0.04
Potassium	mg/l	3.99 ± 0.0876	3.96	0.4	0.173	99.3	-0.17
El. conductivity (25°C)	µS/c	659 ± 4.22	655	66	8.44	99.4	-0.45
Magnesium	mg/l	23.5 ± 0.376	22.5	2.3	0.753	95.9	-1.26
Sodium	mg/l	18.9 ± 0.221	18	1.8	0.423	95.4	-2.06
Ammonium (as NH4)	mg/l	0.104 ± 0.00531	0.11	0.01	0.0102	105.9	0.60
Nitrite (as NO2)	mg/l	0.18 ± 0.00409	0.18	0.02	0.00721	100.2	0.04
Nitrate (as NO3)	mg/l	7.47 ± 0.133	7.44	0.74	0.247	99.6	-0.13
Orthophosphate (as PO4)	mg/l	0.109 ± 0.00298	0.112	0.011	0.00496	103.1	0.68
Sulfate (as SO4)	mg/l	40.6 ± 0.63	41.1	4.1	1.13	101.1	0.40

Sample: N125B

Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
Alkalinity Ks 4,3	mmol/l	3.82 ± 0.0323	3.78	0.38	0.0637	98.8	-0.70
Boron	mg/l	0.0192 ± 0.00201	-	-	0.00259	-	-
Calcium	mg/l	67.4 ± 0.89	62	6.2	1.73	91.9	-3.15
Chloride	mg/l	31.4 ± 0.409	31.6	3.2	0.817	100.7	0.27
DOC (as C)	mg/l	2.29 ± 0.0987	-	-	0.168	-	-
Total-P (as PO4)	mg/l	0.117 ± 0.00634	-	-	0.0108	-	-
Total hardness	°d	12.9 ± 0.189	11.9	1.2	0.345	92.0	-2.99
Hydrogen carbonate	mg/l	232 ± 2.04	231	23	3.67	99.7	-0.19
Potassium	mg/l	2.42 ± 0.0768	2.41	0.24	0.151	99.6	-0.06
El. conductivity (25°C)	µS/c	527 ± 4.01	525	53	8.01	99.7	-0.19
Magnesium	mg/l	15.1 ± 0.234	14.1	1.4	0.462	93.3	-2.18
Sodium	mg/l	20 ± 0.246	18.3	1.8	0.472	91.5	-3.62
Ammonium (as NH4)	mg/l	0.0446 ± 0.00341	0.046	0.005	0.00654	103.1	0.21
Nitrite (as NO2)	mg/l	0.0677 ± 0.00219	0.065	0.007	0.00393	96.1	-0.68
Nitrate (as NO3)	mg/l	12 ± 0.18	12	1.2	0.345	99.7	-0.12

Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
Orthophosphate (as PO <sub>4</sub> )	mg/l	0.102 ± 0.00523	0.104	0.01	0.00923	102.3	0.25
Sulfate (as SO <sub>4</sub> )	mg/l	30 ± 0.419	30.1	3	0.726	100.5	0.20





The following results were achieved:

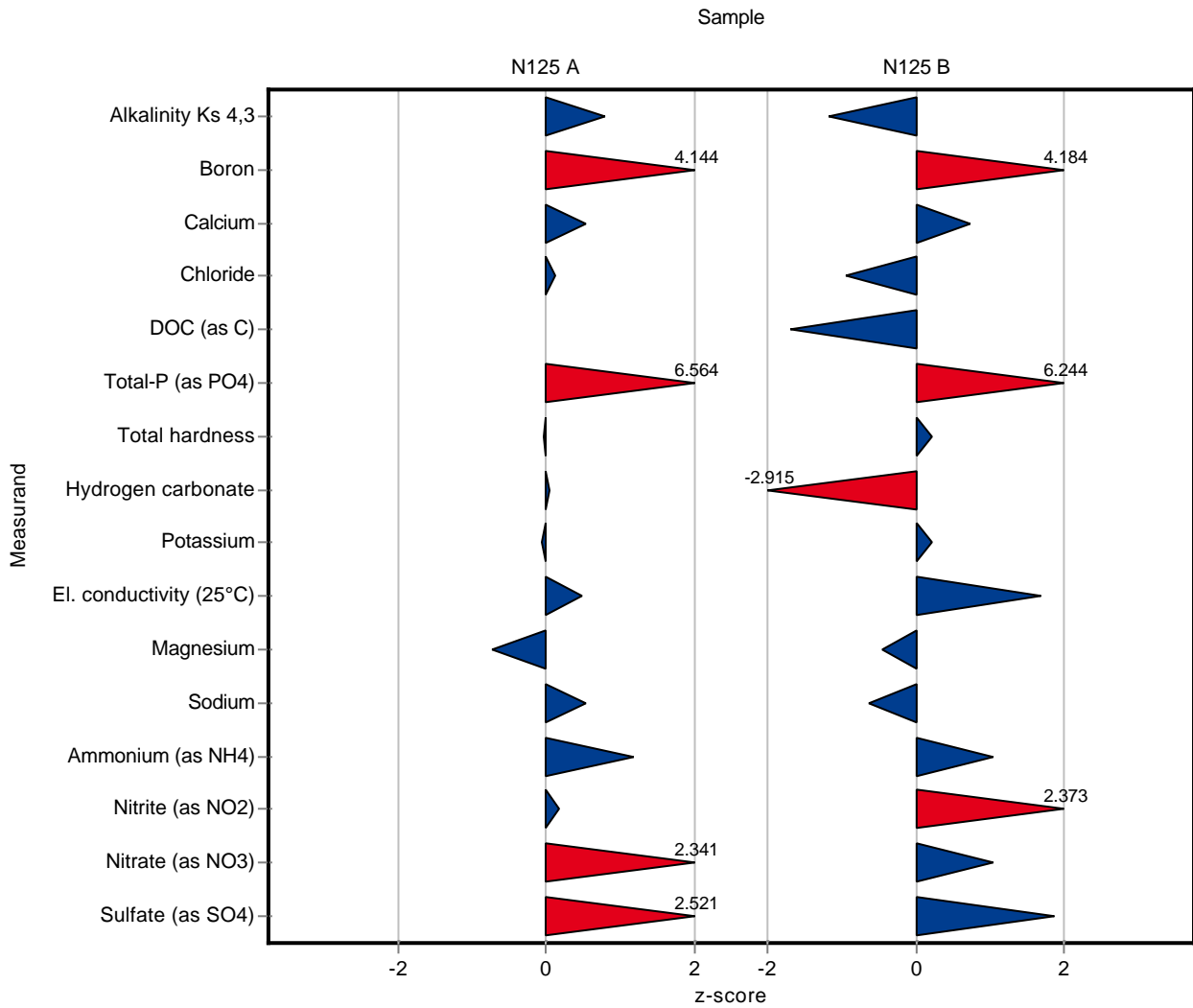
Sample: N125A

Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
Alkalinity Ks 4,3	mmol/l	5.13 ± 0.0406	5.2	0.312	0.0822	101.3	0.79
Boron	mg/l	0.0561 ± 0.00407	0.08	0.0096	0.00576	142.5	4.14
Calcium	mg/l	84.5 ± 0.994	85.5	4.275	1.87	101.2	0.54
Chloride	mg/l	35.5 ± 0.371	35.6	4.272	0.71	100.3	0.13
DOC (as C)	mg/l	0.789 ± 0.0751	<2 (LOQ)	-	0.123	-	-
Total-P (as PO4)	mg/l	0.188 ± 0.00875	0.282	0.0395	0.0143	149.8	6.56
Total hardness	°d	17.2 ± 0.279	17.2	0.86	0.526	99.9	-0.04
Hydrogen carbonate	mg/l	311 ± 2.1	311	31.1	3.77	100.0	0.04
Potassium	mg/l	3.99 ± 0.0876	3.98	0.199	0.173	99.8	-0.05
El. conductivity (25°C)	µS/c	659 ± 4.22	663	13.3	8.44	100.6	0.49
Magnesium	mg/l	23.5 ± 0.376	22.9	1.145	0.753	97.6	-0.73
Sodium	mg/l	18.9 ± 0.221	19.1	0.955	0.423	101.2	0.53
Ammonium (as NH4)	mg/l	0.104 ± 0.00531	0.116	0.00928	0.0102	111.7	1.19
Nitrite (as NO2)	mg/l	0.18 ± 0.00409	0.181	0.0217	0.00721	100.7	0.18
Nitrate (as NO3)	mg/l	7.47 ± 0.133	8.05	0.966	0.247	107.7	2.34
Orthophosphate (as PO4)	mg/l	0.109 ± 0.00298	<1 (LOQ)	-	0.00496	-	-
Sulfate (as SO4)	mg/l	40.6 ± 0.63	43.5	5.22	1.13	107.0	2.52

Sample: N125B

Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
Alkalinity Ks 4,3	mmol/l	3.82 ± 0.0323	3.75	0.225	0.0637	98.0	-1.18
Boron	mg/l	0.0192 ± 0.00201	0.03	0.0036	0.00259	156.6	4.18
Calcium	mg/l	67.4 ± 0.89	68.7	3.435	1.73	101.9	0.73
Chloride	mg/l	31.4 ± 0.409	30.6	3.672	0.817	97.5	-0.95
DOC (as C)	mg/l	2.29 ± 0.0987	2	0.2	0.168	87.5	-1.70
Total-P (as PO4)	mg/l	0.117 ± 0.00634	0.184	0.258	0.0108	157.7	6.24
Total hardness	°d	12.9 ± 0.189	13	0.65	0.345	100.5	0.20
Hydrogen carbonate	mg/l	232 ± 2.04	221	22.1	3.67	95.4	-2.91
Potassium	mg/l	2.42 ± 0.0768	2.45	0.1225	0.151	101.3	0.20
El. conductivity (25°C)	µS/c	527 ± 4.01	540	10.8	8.01	102.6	1.68
Magnesium	mg/l	15.1 ± 0.234	14.9	0.745	0.462	98.6	-0.45
Sodium	mg/l	20 ± 0.246	19.7	0.985	0.472	98.5	-0.65
Ammonium (as NH4)	mg/l	0.0446 ± 0.00341	0.0514	0.00411	0.00654	115.2	1.04
Nitrite (as NO2)	mg/l	0.0677 ± 0.00219	0.077	0.00924	0.00393	113.8	2.37
Nitrate (as NO3)	mg/l	12 ± 0.18	12.4	1.488	0.345	103.0	1.04

Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
Orthophosphate (as PO <sub>4</sub> )	mg/l	0.102 ± 0.00523	<1 (LOQ)	-	0.00923	-	-
Sulfate (as SO <sub>4</sub> )	mg/l	30 ± 0.419	31.3	3.756	0.726	104.5	1.85



The following results were achieved:

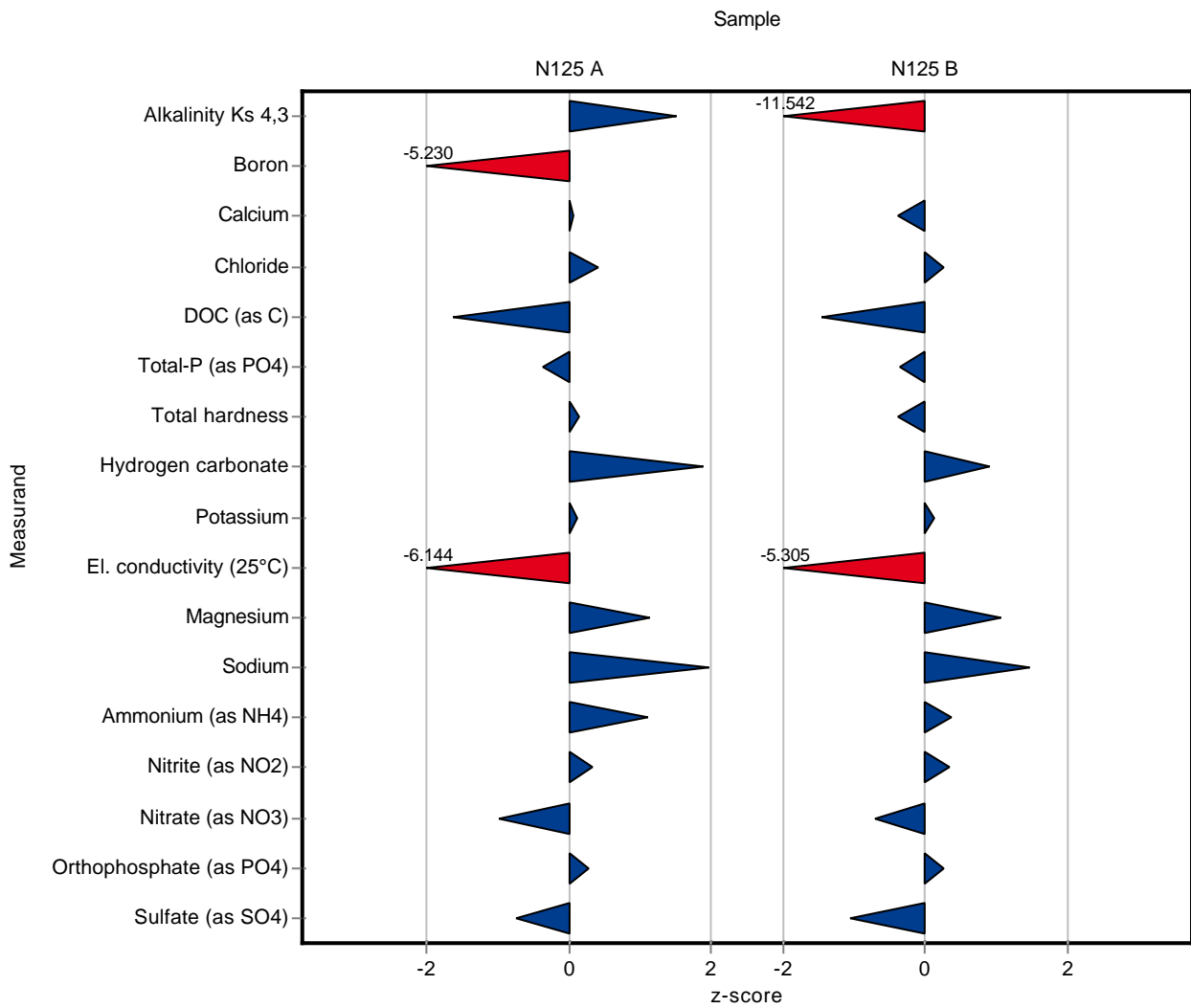
Sample: N125A

Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
Alkalinity Ks 4,3	mmol/l	5.13 ± 0.0406	5.26	0.03	0.0822	102.4	1.52
Boron	mg/l	0.0561 ± 0.00407	0.026	0.001	0.00576	46.3	-5.23
Calcium	mg/l	84.5 ± 0.994	84.6	0.44	1.87	100.1	0.06
Chloride	mg/l	35.5 ± 0.371	35.8	0.7	0.71	100.8	0.41
DOC (as C)	mg/l	0.789 ± 0.0751	0.59	0.01	0.123	74.8	-1.62
Total-P (as PO4)	mg/l	0.188 ± 0.00875	0.183	0.002	0.0143	97.2	-0.37
Total hardness	°d	17.2 ± 0.279	17.3	0.06	0.526	100.5	0.15
Hydrogen carbonate	mg/l	311 ± 2.1	318	1.5	3.77	102.3	1.89
Potassium	mg/l	3.99 ± 0.0876	4.01	0.01	0.173	100.5	0.12
El. conductivity (25°C)	µS/c	659 ± 4.22	607	3.6	8.44	92.1	-6.14
Magnesium	mg/l	23.5 ± 0.376	24.3	0.15	0.753	103.6	1.13
Sodium	mg/l	18.9 ± 0.221	19.7	0.25	0.423	104.4	1.95
Ammonium (as NH4)	mg/l	0.104 ± 0.00531	0.115	0.0007	0.0102	110.7	1.09
Nitrite (as NO2)	mg/l	0.18 ± 0.00409	0.182	0.001	0.00721	101.3	0.32
Nitrate (as NO3)	mg/l	7.47 ± 0.133	7.23	0.09	0.247	96.8	-0.98
Orthophosphate (as PO4)	mg/l	0.109 ± 0.00298	0.11	0.001	0.00496	101.3	0.28
Sulfate (as SO4)	mg/l	40.6 ± 0.63	39.8	0.2	1.13	97.9	-0.75

Sample: N125B

Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
Alkalinity Ks 4,3	mmol/l	3.82 ± 0.0323	3.09	0.02	0.0637	80.8	-11.54
Boron	mg/l	0.0192 ± 0.00201	<0.01 (LOQ)	-	0.00259	-	-
Calcium	mg/l	67.4 ± 0.89	66.8	0.38	1.73	99.0	-0.37
Chloride	mg/l	31.4 ± 0.409	31.6	0.2	0.817	100.7	0.27
DOC (as C)	mg/l	2.29 ± 0.0987	2.04	0.06	0.168	89.2	-1.47
Total-P (as PO4)	mg/l	0.117 ± 0.00634	0.113	0.002	0.0108	96.8	-0.34
Total hardness	°d	12.9 ± 0.189	12.8	0.12	0.345	99.0	-0.38
Hydrogen carbonate	mg/l	232 ± 2.04	235	1.2	3.67	101.4	0.90
Potassium	mg/l	2.42 ± 0.0768	2.44	0.006	0.151	100.8	0.14
El. conductivity (25°C)	µS/c	527 ± 4.01	484	1	8.01	91.9	-5.30
Magnesium	mg/l	15.1 ± 0.234	15.6	0.1	0.462	103.3	1.06
Sodium	mg/l	20 ± 0.246	20.7	0.15	0.472	103.5	1.47
Ammonium (as NH4)	mg/l	0.0446 ± 0.00341	0.047	0.0007	0.00654	105.3	0.36
Nitrite (as NO2)	mg/l	0.0677 ± 0.00219	0.069	0.0005	0.00393	102.0	0.34
Nitrate (as NO3)	mg/l	12 ± 0.18	11.8	0.1	0.345	98.0	-0.70

Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
Orthophosphate (as PO <sub>4</sub> )	mg/l	0.102 ± 0.00523	0.104	0.001	0.00923	102.3	0.25
Sulfate (as SO <sub>4</sub> )	mg/l	30 ± 0.419	29.2	0.2	0.726	97.5	-1.04



The following results were achieved:

Sample: N125A

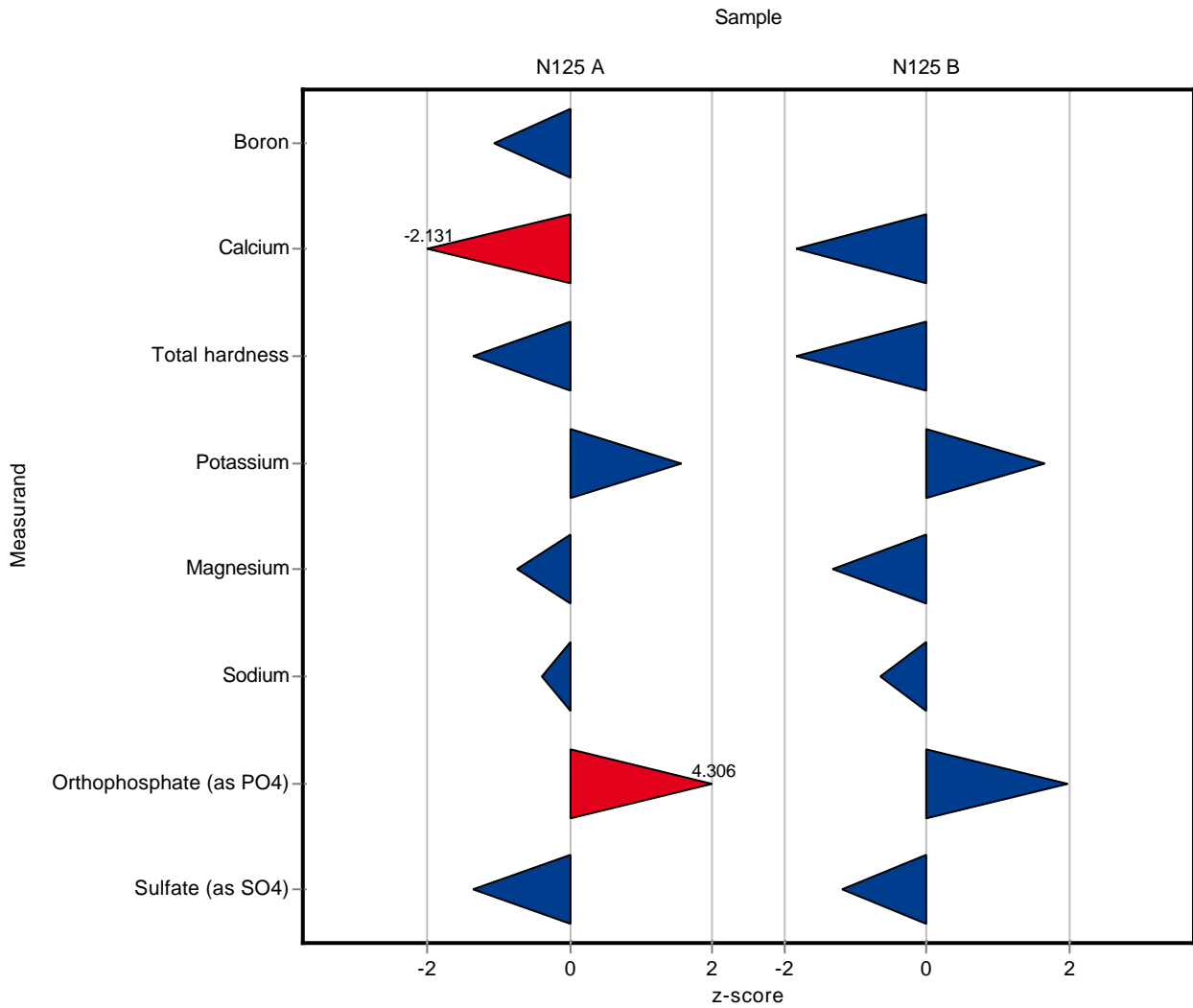
Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
Alkalinity Ks 4,3	mmol/l	5.13 ± 0.0406	-	-	0.0822	-	-
Boron	mg/l	0.0561 ± 0.00407	0.05	-	0.00576	89.1	-1.06
Calcium	mg/l	84.5 ± 0.994	80.5	-	1.87	95.3	-2.13
Chloride	mg/l	35.5 ± 0.371	-	-	0.71	-	-
DOC (as C)	mg/l	0.789 ± 0.0751	-	-	0.123	-	-
Total-P (as PO4)	mg/l	0.188 ± 0.00875	<0.3 (LOQ)	-	0.0143	-	-
Total hardness	°d	17.2 ± 0.279	16.5	-	0.526	95.8	-1.37
Hydrogen carbonate	mg/l	311 ± 2.1	-	-	3.77	-	-
Potassium	mg/l	3.99 ± 0.0876	4.26	-	0.173	106.8	1.57
El. conductivity (25°C)	µS/c	659 ± 4.22	-	-	8.44	-	-
Magnesium	mg/l	23.5 ± 0.376	22.9	-	0.753	97.6	-0.73
Sodium	mg/l	18.9 ± 0.221	18.7	-	0.423	99.1	-0.41
Ammonium (as NH4)	mg/l	0.104 ± 0.00531	-	-	0.0102	-	-
Nitrite (as NO2)	mg/l	0.18 ± 0.00409	-	-	0.00721	-	-
Nitrate (as NO3)	mg/l	7.47 ± 0.133	-	-	0.247	-	-
Orthophosphate (as PO4)	mg/l	0.109 ± 0.00298	0.13	-	0.00496	119.7	4.31
Sulfate (as SO4)	mg/l	40.6 ± 0.63	39.1	-	1.13	96.2	-1.37

Sample: N125B

Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
Alkalinity Ks 4,3	mmol/l	3.82 ± 0.0323	-	-	0.0637	-	-
Boron	mg/l	0.0192 ± 0.00201	<0.025 (LOQ)	-	0.00259	-	-
Calcium	mg/l	67.4 ± 0.89	64.3	-	1.73	95.3	-1.82
Chloride	mg/l	31.4 ± 0.409	-	-	0.817	-	-
DOC (as C)	mg/l	2.29 ± 0.0987	-	-	0.168	-	-
Total-P (as PO4)	mg/l	0.117 ± 0.00634	<0.3 (LOQ)	-	0.0108	-	-
Total hardness	°d	12.9 ± 0.189	12.3	-	0.345	95.1	-1.83
Hydrogen carbonate	mg/l	232 ± 2.04	-	-	3.67	-	-
Potassium	mg/l	2.42 ± 0.0768	2.67	-	0.151	110.4	1.65
El. conductivity (25°C)	µS/c	527 ± 4.01	-	-	8.01	-	-
Magnesium	mg/l	15.1 ± 0.234	14.5	-	0.462	96.0	-1.32
Sodium	mg/l	20 ± 0.246	19.7	-	0.472	98.5	-0.65
Ammonium (as NH4)	mg/l	0.0446 ± 0.00341	-	-	0.00654	-	-
Nitrite (as NO2)	mg/l	0.0677 ± 0.00219	-	-	0.00393	-	-
Nitrate (as NO3)	mg/l	12 ± 0.18	-	-	0.345	-	-

Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
Orthophosphate (as PO <sub>4</sub> )	mg/l	0.102 ± 0.00523	0.12	-	0.00923	118.1	1.99
Sulfate (as SO <sub>4</sub> )	mg/l	30 ± 0.419	29.1	-	0.726	97.1	-1.18





The following results were achieved:

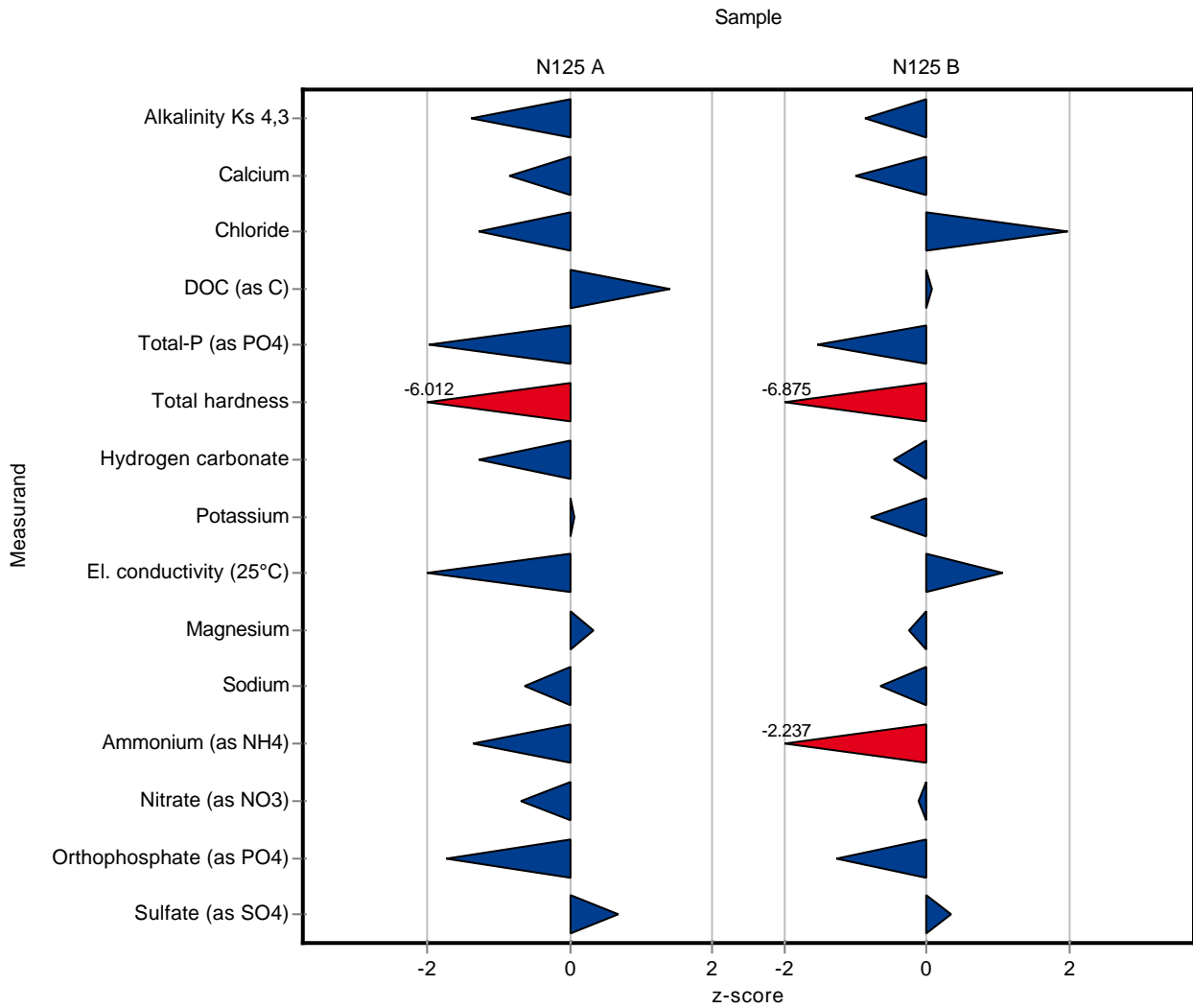
Sample: N125A

Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
Alkalinity Ks 4,3	mmol/l	5.13 ± 0.0406	5.02	0.04	0.0822	97.8	-1.40
Boron	mg/l	0.0561 ± 0.00407	<1 (LOQ)	-	0.00576	-	-
Calcium	mg/l	84.5 ± 0.994	82.9	1.24	1.87	98.1	-0.85
Chloride	mg/l	35.5 ± 0.371	34.6	0.32	0.71	97.4	-1.28
DOC (as C)	mg/l	0.789 ± 0.0751	0.96	0.001	0.123	121.7	1.40
Total-P (as PO4)	mg/l	0.188 ± 0.00875	0.16	0.003	0.0143	85.0	-1.98
Total hardness	°d	17.2 ± 0.279	14.06	-	0.526	81.6	-6.01
Hydrogen carbonate	mg/l	311 ± 2.1	306	2.5	3.77	98.4	-1.29
Potassium	mg/l	3.99 ± 0.0876	4	0.01	0.173	100.3	0.07
El. conductivity (25°C)	µS/c	659 ± 4.22	642	17.7	8.44	97.4	-2.00
Magnesium	mg/l	23.5 ± 0.376	23.7	0.31	0.753	101.1	0.33
Sodium	mg/l	18.9 ± 0.221	18.6	0.1	0.423	98.6	-0.65
Ammonium (as NH4)	mg/l	0.104 ± 0.00531	0.09	0.0008	0.0102	86.6	-1.37
Nitrite (as NO2)	mg/l	0.18 ± 0.00409	<0.2 (LOD)	-	0.00721	-	-
Nitrate (as NO3)	mg/l	7.47 ± 0.133	7.3	0.12	0.247	97.7	-0.70
Orthophosphate (as PO4)	mg/l	0.109 ± 0.00298	0.1	0.003	0.00496	92.1	-1.74
Sulfate (as SO4)	mg/l	40.6 ± 0.63	41.4	0.6	1.13	101.8	0.66

Sample: N125B

Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
Alkalinity Ks 4,3	mmol/l	3.82 ± 0.0323	3.77	0.03	0.0637	98.6	-0.86
Boron	mg/l	0.0192 ± 0.00201	<1 (LOQ)	-	0.00259	-	-
Calcium	mg/l	67.4 ± 0.89	65.7	0.17	1.73	97.4	-1.01
Chloride	mg/l	31.4 ± 0.409	33	2.5	0.817	105.2	1.99
DOC (as C)	mg/l	2.29 ± 0.0987	2.3	0.001	0.168	100.6	0.08
Total-P (as PO4)	mg/l	0.117 ± 0.00634	0.1	0.001	0.0108	85.7	-1.55
Total hardness	°d	12.9 ± 0.189	10.56	-	0.345	81.7	-6.87
Hydrogen carbonate	mg/l	232 ± 2.04	230	1.8	3.67	99.3	-0.46
Potassium	mg/l	2.42 ± 0.0768	2.3	0.02	0.151	95.1	-0.79
El. conductivity (25°C)	µS/c	527 ± 4.01	535	9.1	8.01	101.6	1.06
Magnesium	mg/l	15.1 ± 0.234	15	0.03	0.462	99.3	-0.23
Sodium	mg/l	20 ± 0.246	19.7	0.1	0.472	98.5	-0.65
Ammonium (as NH4)	mg/l	0.0446 ± 0.00341	0.03	0.0002	0.00654	67.2	-2.24
Nitrite (as NO2)	mg/l	0.0677 ± 0.00219	<0.2 (LOD)	-	0.00393	-	-
Nitrate (as NO3)	mg/l	12 ± 0.18	12	0.14	0.345	99.7	-0.12

Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
Orthophosphate (as PO <sub>4</sub> )	mg/l	0.102 ± 0.00523	0.09	0.001	0.00923	88.5	-1.26
Sulfate (as SO <sub>4</sub> )	mg/l	30 ± 0.419	30.2	0.5	0.726	100.8	0.34



The following results were achieved:

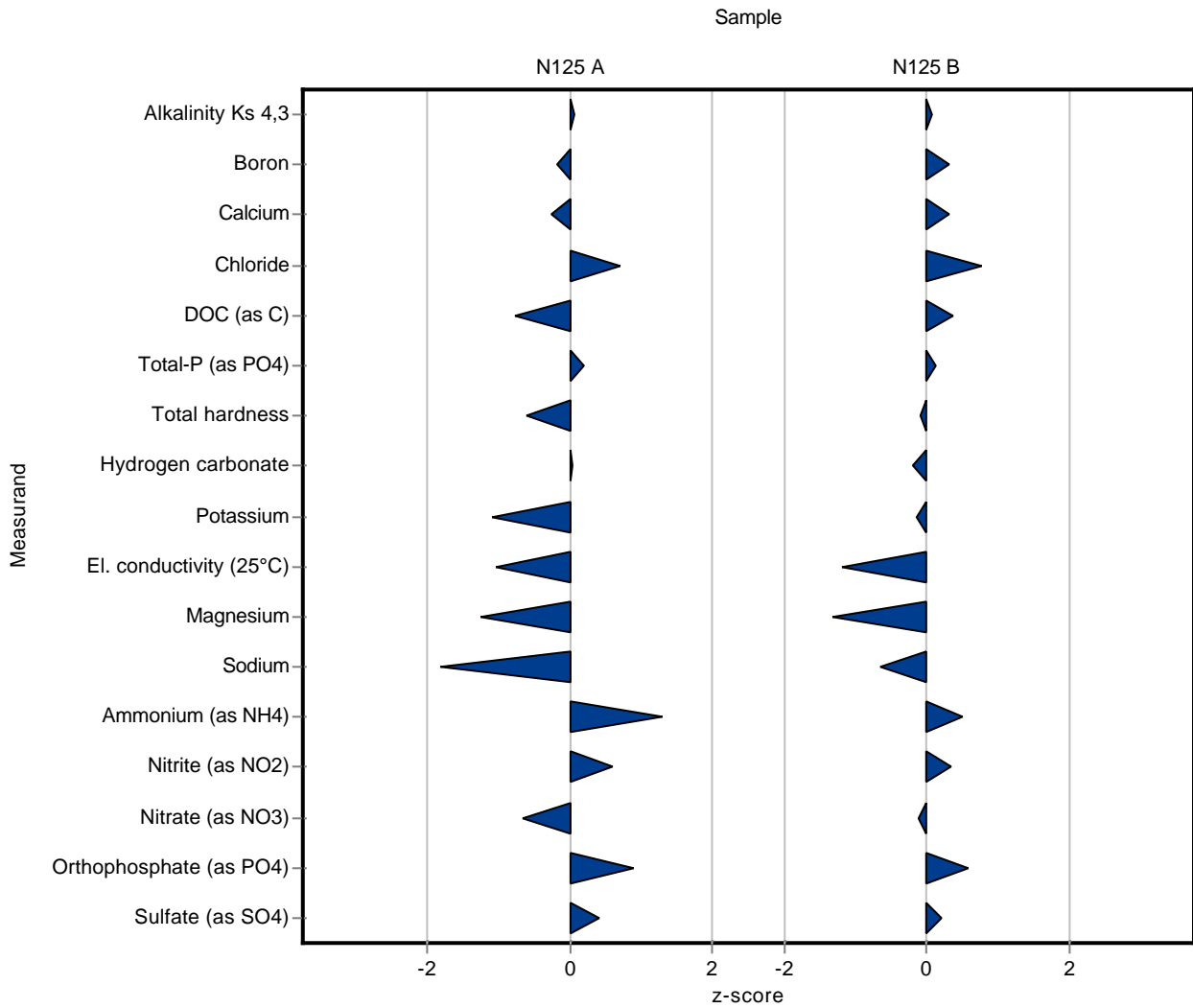
Sample: N125A

Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
Alkalinity Ks 4,3	mmol/l	5.13 ± 0.0406	5.14	0.16	0.0822	100.1	0.06
Boron	mg/l	0.0561 ± 0.00407	0.055	0.008	0.00576	98.0	-0.20
Calcium	mg/l	84.5 ± 0.994	84	6.7	1.87	99.4	-0.26
Chloride	mg/l	35.5 ± 0.371	36	1.5	0.71	101.4	0.69
DOC (as C)	mg/l	0.789 ± 0.0751	0.693	0.07	0.123	87.9	-0.78
Total-P (as PO4)	mg/l	0.188 ± 0.00875	0.191	0.019	0.0143	101.5	0.19
Total hardness	°d	17.2 ± 0.279	16.9	1.9	0.526	98.1	-0.61
Hydrogen carbonate	mg/l	311 ± 2.1	311	10	3.77	100.0	0.04
Potassium	mg/l	3.99 ± 0.0876	3.8	0.27	0.173	95.3	-1.09
El. conductivity (25°C)	µS/c	659 ± 4.22	650	19	8.44	98.7	-1.05
Magnesium	mg/l	23.5 ± 0.376	22.5	1.8	0.753	95.9	-1.26
Sodium	mg/l	18.9 ± 0.221	18.1	1.5	0.423	95.9	-1.83
Ammonium (as NH4)	mg/l	0.104 ± 0.00531	0.117	0.018	0.0102	112.6	1.29
Nitrite (as NO2)	mg/l	0.18 ± 0.00409	0.184	0.017	0.00721	102.4	0.59
Nitrate (as NO3)	mg/l	7.47 ± 0.133	7.31	0.66	0.247	97.8	-0.66
Orthophosphate (as PO4)	mg/l	0.109 ± 0.00298	0.113	0.011	0.00496	104.0	0.88
Sulfate (as SO4)	mg/l	40.6 ± 0.63	41.1	2	1.13	101.1	0.40

Sample: N125B

Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
Alkalinity Ks 4,3	mmol/l	3.82 ± 0.0323	3.83	0.12	0.0637	100.1	0.08
Boron	mg/l	0.0192 ± 0.00201	0.02	0.004	0.00259	104.4	0.32
Calcium	mg/l	67.4 ± 0.89	68	5.5	1.73	100.8	0.32
Chloride	mg/l	31.4 ± 0.409	32	1.3	0.817	102.0	0.76
DOC (as C)	mg/l	2.29 ± 0.0987	2.35	0.19	0.168	102.8	0.38
Total-P (as PO4)	mg/l	0.117 ± 0.00634	0.118	0.012	0.0108	101.1	0.12
Total hardness	°d	12.9 ± 0.189	12.9	1.5	0.345	99.8	-0.09
Hydrogen carbonate	mg/l	232 ± 2.04	231	7	3.67	99.7	-0.19
Potassium	mg/l	2.42 ± 0.0768	2.4	0.18	0.151	99.2	-0.13
El. conductivity (25°C)	µS/c	527 ± 4.01	517	16	8.01	98.2	-1.19
Magnesium	mg/l	15.1 ± 0.234	14.5	1.2	0.462	96.0	-1.32
Sodium	mg/l	20 ± 0.246	19.7	1.6	0.472	98.5	-0.65
Ammonium (as NH4)	mg/l	0.0446 ± 0.00341	0.048	0.01	0.00654	107.6	0.52
Nitrite (as NO2)	mg/l	0.0677 ± 0.00219	0.069	0.007	0.00393	102.0	0.34
Nitrate (as NO3)	mg/l	12 ± 0.18	12	1.1	0.345	99.7	-0.12

Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
Orthophosphate (as PO <sub>4</sub> )	mg/l	0.102 ± 0.00523	0.107	0.011	0.00923	105.3	0.58
Sulfate (as SO <sub>4</sub> )	mg/l	30 ± 0.419	30.1	1.5	0.726	100.5	0.20



The following results were achieved:

**Sample: N125A**

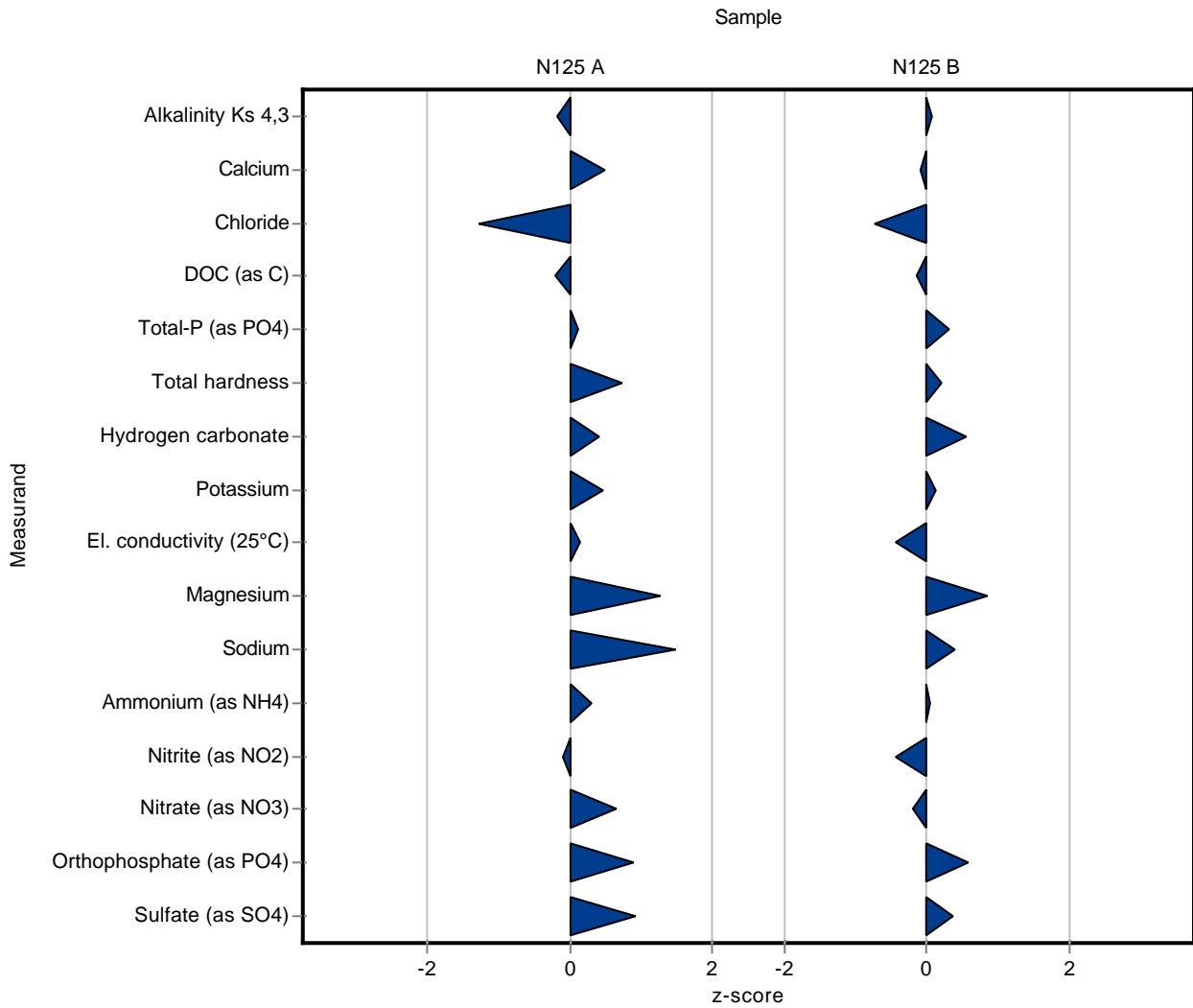
Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
Alkalinity Ks 4,3	mmol/l	5.13 ± 0.0406	5.12	0.512	0.0822	99.7	-0.18
Boron	mg/l	0.0561 ± 0.00407	-	-	0.00576	-	-
Calcium	mg/l	84.5 ± 0.994	85.4	8.6	1.87	101.1	0.48
Chloride	mg/l	35.5 ± 0.371	34.6	3.46	0.71	97.4	-1.28
DOC (as C)	mg/l	0.789 ± 0.0751	0.7632	0.0763	0.123	96.8	-0.21
Total-P (as PO4)	mg/l	0.188 ± 0.00875	0.19	0.038	0.0143	100.9	0.12
Total hardness	°d	17.2 ± 0.279	17.6	1.76	0.526	102.2	0.72
Hydrogen carbonate	mg/l	311 ± 2.1	312.4	31.2	3.77	100.5	0.41
Potassium	mg/l	3.99 ± 0.0876	4.07	0.41	0.173	102.0	0.47
El. conductivity (25°C)	µS/c	659 ± 4.22	660	5	8.44	100.2	0.14
Magnesium	mg/l	23.5 ± 0.376	24.4	2.5	0.753	104.0	1.26
Sodium	mg/l	18.9 ± 0.221	19.5	2	0.423	103.3	1.48
Ammonium (as NH4)	mg/l	0.104 ± 0.00531	0.107	0.011	0.0102	103.0	0.31
Nitrite (as NO2)	mg/l	0.18 ± 0.00409	0.179	0.018	0.00721	99.6	-0.10
Nitrate (as NO3)	mg/l	7.47 ± 0.133	7.63	0.763	0.247	102.1	0.64
Orthophosphate (as PO4)	mg/l	0.109 ± 0.00298	0.113	0.023	0.00496	104.0	0.88
Sulfate (as SO4)	mg/l	40.6 ± 0.63	41.7	4.17	1.13	102.6	0.93

**Sample: N125B**

Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
Alkalinity Ks 4,3	mmol/l	3.82 ± 0.0323	3.83	0.383	0.0637	100.1	0.08
Boron	mg/l	0.0192 ± 0.00201	-	-	0.00259	-	-
Calcium	mg/l	67.4 ± 0.89	67.3	6.8	1.73	99.8	-0.08
Chloride	mg/l	31.4 ± 0.409	30.77	3.01	0.817	98.1	-0.74
DOC (as C)	mg/l	2.29 ± 0.0987	2.264	0.226	0.168	99.0	-0.13
Total-P (as PO4)	mg/l	0.117 ± 0.00634	0.12	0.024	0.0108	102.8	0.31
Total hardness	°d	12.9 ± 0.189	13	1.55	0.345	100.5	0.20
Hydrogen carbonate	mg/l	232 ± 2.04	233.7	23.7	3.67	100.9	0.55
Potassium	mg/l	2.42 ± 0.0768	2.44	0.25	0.151	100.8	0.14
El. conductivity (25°C)	µS/c	527 ± 4.01	523	5	8.01	99.3	-0.44
Magnesium	mg/l	15.1 ± 0.234	15.5	1.6	0.462	102.6	0.85
Sodium	mg/l	20 ± 0.246	20.2	2	0.472	101.0	0.41
Ammonium (as NH4)	mg/l	0.0446 ± 0.00341	0.045	0.005	0.00654	100.8	0.06
Nitrite (as NO2)	mg/l	0.0677 ± 0.00219	0.066	0.007	0.00393	97.5	-0.42
Nitrate (as NO3)	mg/l	12 ± 0.18	11.97	1.197	0.345	99.4	-0.20



Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
Orthophosphate (as PO <sub>4</sub> )	mg/l	0.102 ± 0.00523	0.107	0.021	0.00923	105.3	0.58
Sulfate (as SO <sub>4</sub> )	mg/l	30 ± 0.419	30.22	3.022	0.726	100.9	0.37



The following results were achieved:

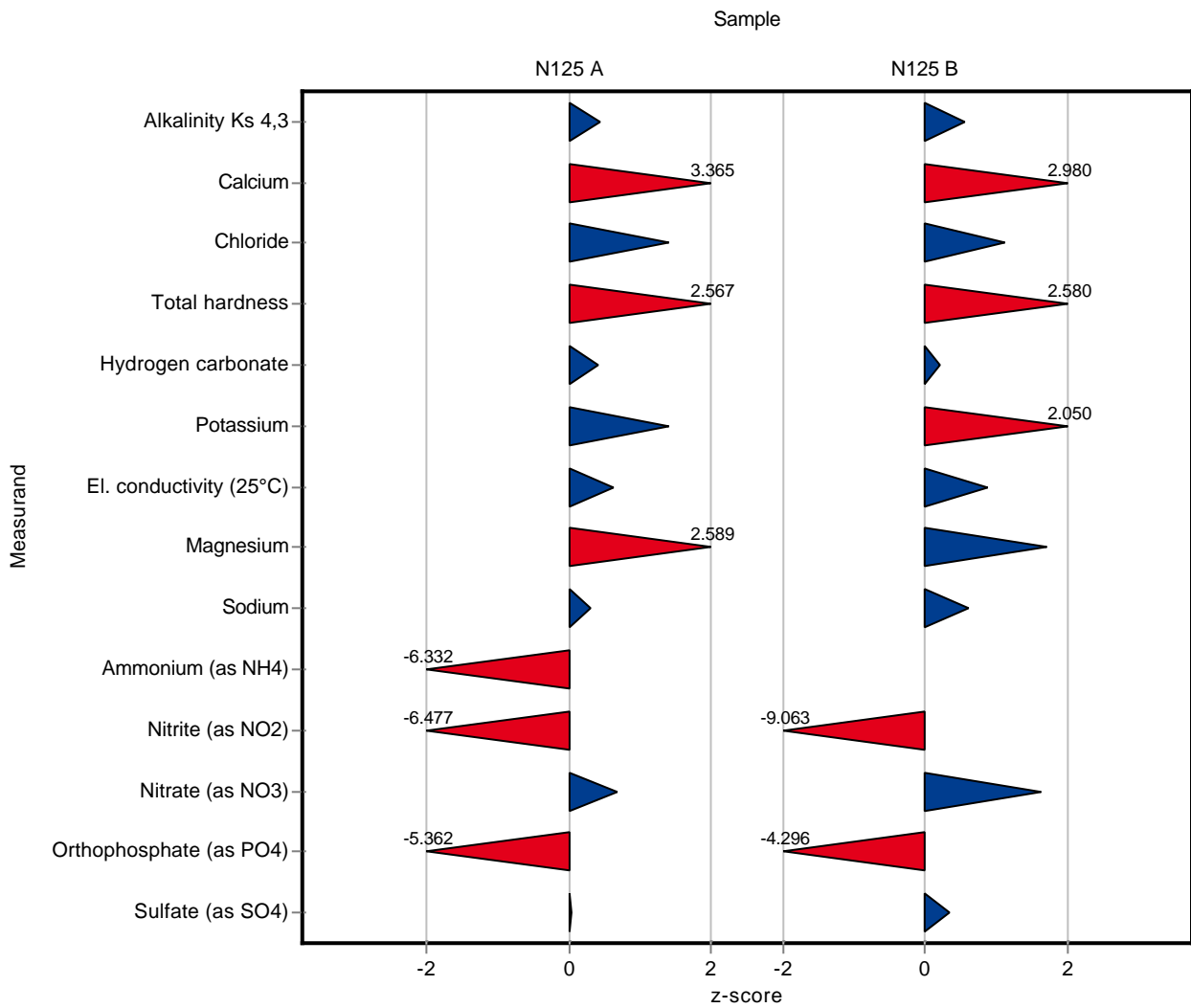
Sample: N125A

Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
Alkalinity Ks 4,3	mmol/l	5.13 ± 0.0406	5.17	0.264	0.0822	100.7	0.43
Boron	mg/l	0.0561 ± 0.00407	-	-	0.00576	-	-
Calcium	mg/l	84.5 ± 0.994	90.8	7.32	1.87	107.5	3.36
Chloride	mg/l	35.5 ± 0.371	36.5	1.62	0.71	102.8	1.40
DOC (as C)	mg/l	0.789 ± 0.0751	-	-	0.123	-	-
Total-P (as PO4)	mg/l	0.188 ± 0.00875	-	-	0.0143	-	-
Total hardness	°d	17.2 ± 0.279	18.57	-	0.526	107.8	2.57
Hydrogen carbonate	mg/l	311 ± 2.1	312.4	15.96	3.77	100.5	0.41
Potassium	mg/l	3.99 ± 0.0876	4.23	0.233	0.173	106.1	1.40
El. conductivity (25°C)	µS/c	659 ± 4.22	664	29.68	8.44	100.8	0.61
Magnesium	mg/l	23.5 ± 0.376	25.4	2.43	0.753	108.3	2.59
Sodium	mg/l	18.9 ± 0.221	19	1.78	0.423	100.7	0.30
Ammonium (as NH4)	mg/l	0.104 ± 0.00531	0.0395	0.0027	0.0102	38.0	-6.33
Nitrite (as NO2)	mg/l	0.18 ± 0.00409	0.133	0.017	0.00721	74.0	-6.48
Nitrate (as NO3)	mg/l	7.47 ± 0.133	7.64	0.78	0.247	102.2	0.68
Orthophosphate (as PO4)	mg/l	0.109 ± 0.00298	0.082	0.008	0.00496	75.5	-5.36
Sulfate (as SO4)	mg/l	40.6 ± 0.63	40.7	3.79	1.13	100.1	0.04

Sample: N125B

Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
Alkalinity Ks 4,3	mmol/l	3.82 ± 0.0323	3.86	0.197	0.0637	100.9	0.55
Boron	mg/l	0.0192 ± 0.00201	-	-	0.00259	-	-
Calcium	mg/l	67.4 ± 0.89	72.6	5.77	1.73	107.6	2.98
Chloride	mg/l	31.4 ± 0.409	32.3	1.43	0.817	102.9	1.13
DOC (as C)	mg/l	2.29 ± 0.0987	-	-	0.168	-	-
Total-P (as PO4)	mg/l	0.117 ± 0.00634	-	-	0.0108	-	-
Total hardness	°d	12.9 ± 0.189	13.82	-	0.345	106.9	2.58
Hydrogen carbonate	mg/l	232 ± 2.04	232.47	11.88	3.67	100.3	0.21
Potassium	mg/l	2.42 ± 0.0768	2.73	0.152	0.151	112.8	2.05
El. conductivity (25°C)	µS/c	527 ± 4.01	533.5	23.93	8.01	101.3	0.87
Magnesium	mg/l	15.1 ± 0.234	15.9	1.49	0.462	105.2	1.71
Sodium	mg/l	20 ± 0.246	20.3	1.88	0.472	101.5	0.62
Ammonium (as NH4)	mg/l	0.0446 ± 0.00341	<0.0303	-	0.00654	-	-
Nitrite (as NO2)	mg/l	0.0677 ± 0.00219	0.032	0.004	0.00393	47.3	-9.06
Nitrate (as NO3)	mg/l	12 ± 0.18	12.6	1.29	0.345	104.6	1.62

Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
Orthophosphate (as PO <sub>4</sub> )	mg/l	0.102 ± 0.00523	0.062	0.006	0.00923	61.0	-4.30
Sulfate (as SO <sub>4</sub> )	mg/l	30 ± 0.419	30.2	2.81	0.726	100.8	0.34



The following results were achieved:

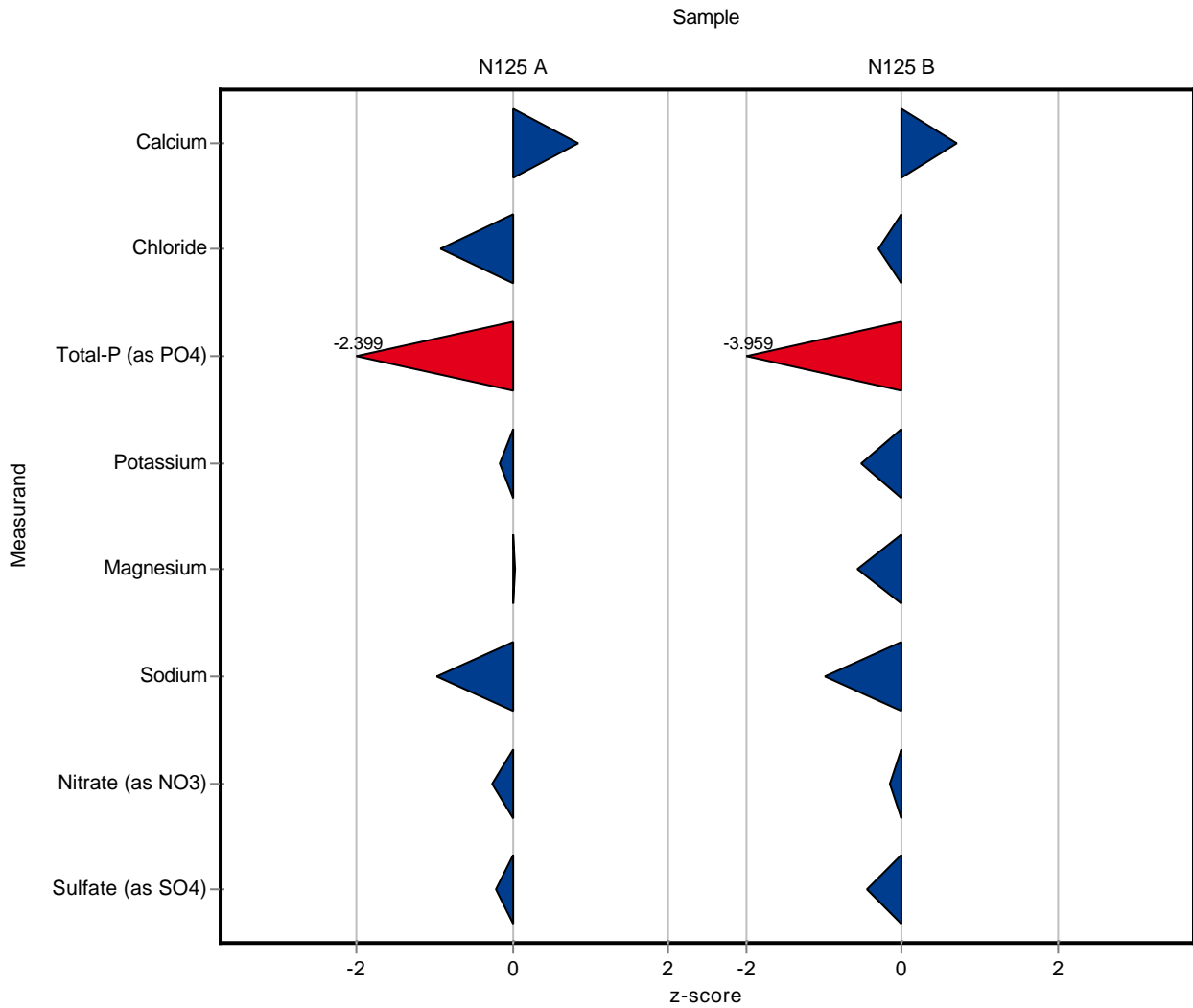
Sample: N125A

Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
Alkalinity Ks 4,3	mmol/l	5.13 ± 0.0406	-	-	0.0822	-	-
Boron	mg/l	0.0561 ± 0.00407	-	-	0.00576	-	-
Calcium	mg/l	84.5 ± 0.994	86.06	1.19	1.87	101.9	0.84
Chloride	mg/l	35.5 ± 0.371	34.86	0.02	0.71	98.2	-0.91
DOC (as C)	mg/l	0.789 ± 0.0751	-	-	0.123	-	-
Total-P (as PO4)	mg/l	0.188 ± 0.00875	0.154	0.032	0.0143	81.8	-2.40
Total hardness	°d	17.2 ± 0.279	-	-	0.526	-	-
Hydrogen carbonate	mg/l	311 ± 2.1	-	-	3.77	-	-
Potassium	mg/l	3.99 ± 0.0876	3.96	0.33	0.173	99.3	-0.17
El. conductivity (25°C)	µS/c	659 ± 4.22	-	-	8.44	-	-
Magnesium	mg/l	23.5 ± 0.376	23.47	0.25	0.753	100.1	0.02
Sodium	mg/l	18.9 ± 0.221	18.46	0.89	0.423	97.8	-0.98
Ammonium (as NH4)	mg/l	0.104 ± 0.00531	-	-	0.0102	-	-
Nitrite (as NO2)	mg/l	0.18 ± 0.00409	-	-	0.00721	-	-
Nitrate (as NO3)	mg/l	7.47 ± 0.133	7.41	0.08	0.247	99.2	-0.25
Orthophosphate (as PO4)	mg/l	0.109 ± 0.00298	-	-	0.00496	-	-
Sulfate (as SO4)	mg/l	40.6 ± 0.63	40.4	0.17	1.13	99.4	-0.22

Sample: N125B

Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
Alkalinity Ks 4,3	mmol/l	3.82 ± 0.0323	-	-	0.0637	-	-
Boron	mg/l	0.0192 ± 0.00201	-	-	0.00259	-	-
Calcium	mg/l	67.4 ± 0.89	68.65	3.18	1.73	101.8	0.70
Chloride	mg/l	31.4 ± 0.409	31.12	0.26	0.817	99.2	-0.31
DOC (as C)	mg/l	2.29 ± 0.0987	-	-	0.168	-	-
Total-P (as PO4)	mg/l	0.117 ± 0.00634	0.074	0.013	0.0108	63.4	-3.96
Total hardness	°d	12.9 ± 0.189	-	-	0.345	-	-
Hydrogen carbonate	mg/l	232 ± 2.04	-	-	3.67	-	-
Potassium	mg/l	2.42 ± 0.0768	2.34	0.21	0.151	96.7	-0.53
El. conductivity (25°C)	µS/c	527 ± 4.01	-	-	8.01	-	-
Magnesium	mg/l	15.1 ± 0.234	14.84	0.08	0.462	98.2	-0.58
Sodium	mg/l	20 ± 0.246	19.54	0.13	0.472	97.7	-0.99
Ammonium (as NH4)	mg/l	0.0446 ± 0.00341	-	-	0.00654	-	-
Nitrite (as NO2)	mg/l	0.0677 ± 0.00219	-	-	0.00393	-	-
Nitrate (as NO3)	mg/l	12 ± 0.18	11.99	0.16	0.345	99.6	-0.15

Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
Orthophosphate (as PO4)	mg/l	0.102 ± 0.00523	-	-	0.00923	-	-
Sulfate (as SO4)	mg/l	30 ± 0.419	29.62	0.21	0.726	98.9	-0.46





The following results were achieved:

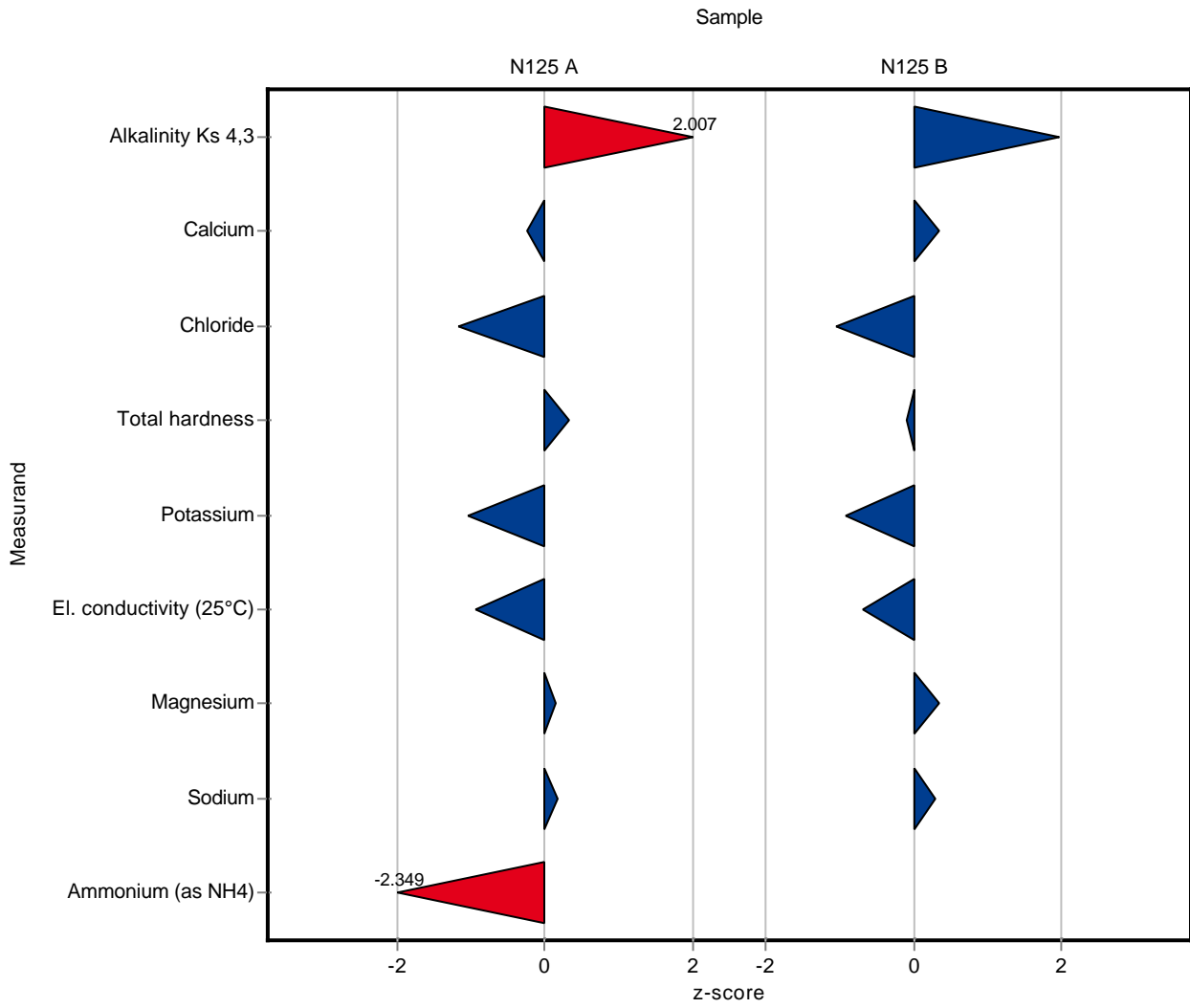
Sample: N125A

Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
Alkalinity Ks 4,3	mmol/l	5.13 ± 0.0406	5.3	0.44	0.0822	103.2	2.01
Boron	mg/l	0.0561 ± 0.00407	-	-	0.00576	-	-
Calcium	mg/l	84.5 ± 0.994	84.06	-	1.87	99.5	-0.23
Chloride	mg/l	35.5 ± 0.371	34.68	1.2	0.71	97.7	-1.17
DOC (as C)	mg/l	0.789 ± 0.0751	-	-	0.123	-	-
Total-P (as PO4)	mg/l	0.188 ± 0.00875	-	-	0.0143	-	-
Total hardness	°d	17.2 ± 0.279	17.4	-	0.526	101.0	0.34
Hydrogen carbonate	mg/l	311 ± 2.1	-	-	3.77	-	-
Potassium	mg/l	3.99 ± 0.0876	3.81	-	0.173	95.5	-1.03
El. conductivity (25°C)	µS/c	659 ± 4.22	651	8.27	8.44	98.8	-0.93
Magnesium	mg/l	23.5 ± 0.376	23.56	-	0.753	100.5	0.14
Sodium	mg/l	18.9 ± 0.221	18.95	-	0.423	100.4	0.18
Ammonium (as NH4)	mg/l	0.104 ± 0.00531	0.08	-	0.0102	77.0	-2.35
Nitrite (as NO2)	mg/l	0.18 ± 0.00409	-	-	0.00721	-	-
Nitrate (as NO3)	mg/l	7.47 ± 0.133	-	-	0.247	-	-
Orthophosphate (as PO4)	mg/l	0.109 ± 0.00298	-	-	0.00496	-	-
Sulfate (as SO4)	mg/l	40.6 ± 0.63	-	-	1.13	-	-

Sample: N125B

Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
Alkalinity Ks 4,3	mmol/l	3.82 ± 0.0323	3.95	0.33	0.0637	103.3	1.97
Boron	mg/l	0.0192 ± 0.00201	-	-	0.00259	-	-
Calcium	mg/l	67.4 ± 0.89	68.04	-	1.73	100.9	0.34
Chloride	mg/l	31.4 ± 0.409	30.51	1.06	0.817	97.2	-1.06
DOC (as C)	mg/l	2.29 ± 0.0987	-	-	0.168	-	-
Total-P (as PO4)	mg/l	0.117 ± 0.00634	-	-	0.0108	-	-
Total hardness	°d	12.9 ± 0.189	12.9	-	0.345	99.8	-0.09
Hydrogen carbonate	mg/l	232 ± 2.04	-	-	3.67	-	-
Potassium	mg/l	2.42 ± 0.0768	2.28	-	0.151	94.2	-0.92
El. conductivity (25°C)	µS/c	527 ± 4.01	521	6.62	8.01	99.0	-0.69
Magnesium	mg/l	15.1 ± 0.234	15.26	-	0.462	101.0	0.33
Sodium	mg/l	20 ± 0.246	20.14	-	0.472	100.7	0.28
Ammonium (as NH4)	mg/l	0.0446 ± 0.00341	<0.05 (LOQ)	-	0.00654	-	-
Nitrite (as NO2)	mg/l	0.0677 ± 0.00219	-	-	0.00393	-	-
Nitrate (as NO3)	mg/l	12 ± 0.18	-	-	0.345	-	-

Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
Orthophosphate (as PO <sub>4</sub> )	mg/l	0.102 ± 0.00523	-	-	0.00923	-	-
Sulfate (as SO <sub>4</sub> )	mg/l	30 ± 0.419	-	-	0.726	-	-



The following results were achieved:

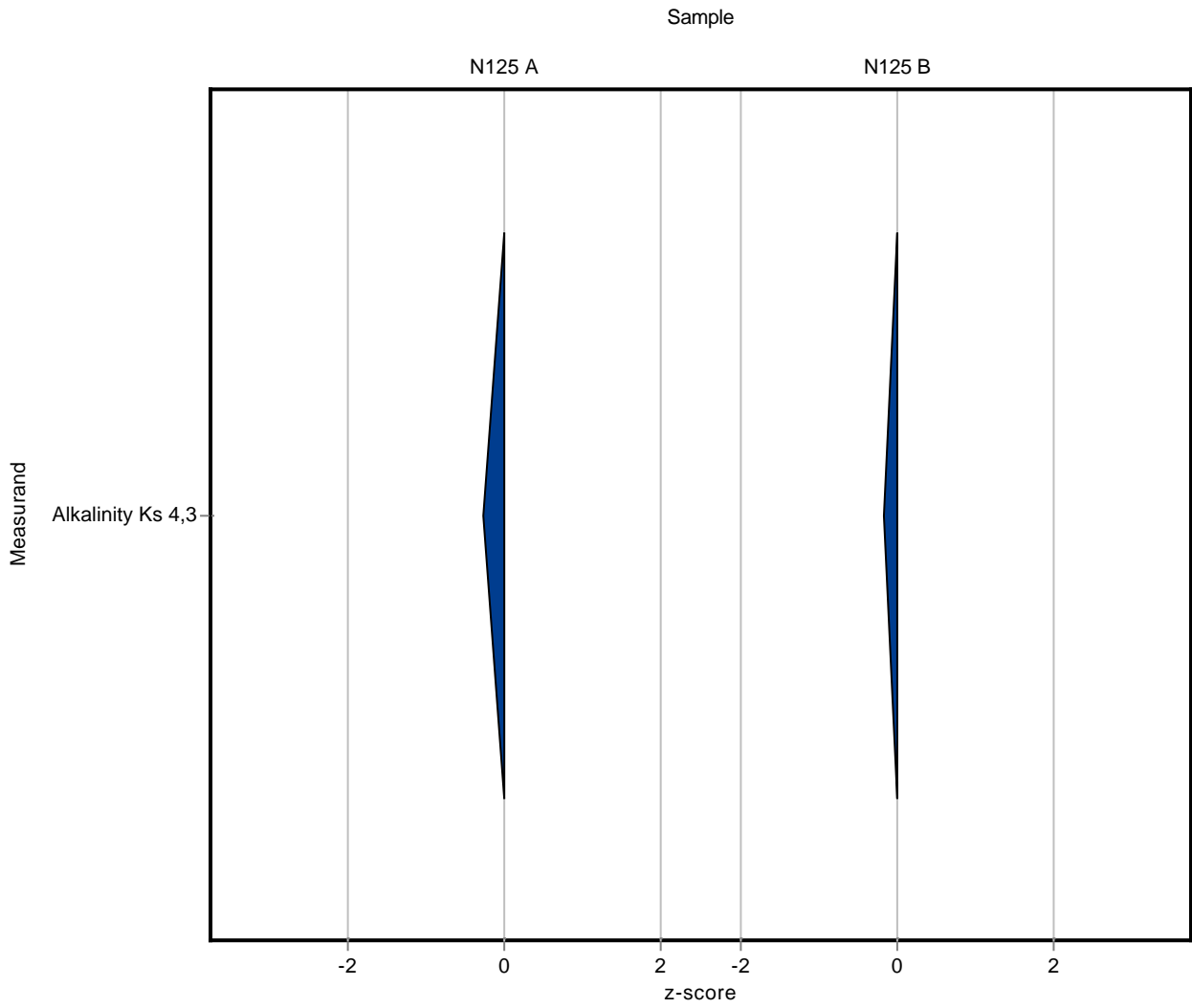
Sample: N125A

Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
Alkalinity Ks 4,3	mmol/l	5.13 ± 0.0406	5.113	0.03	0.0822	99.6	-0.27
Boron	mg/l	0.0561 ± 0.00407	-	-	0.00576	-	-
Calcium	mg/l	84.5 ± 0.994	-	-	1.87	-	-
Chloride	mg/l	35.5 ± 0.371	-	-	0.71	-	-
DOC (as C)	mg/l	0.789 ± 0.0751	-	-	0.123	-	-
Total-P (as PO4)	mg/l	0.188 ± 0.00875	-	-	0.0143	-	-
Total hardness	°d	17.2 ± 0.279	-	-	0.526	-	-
Hydrogen carbonate	mg/l	311 ± 2.1	-	-	3.77	-	-
Potassium	mg/l	3.99 ± 0.0876	-	-	0.173	-	-
El. conductivity (25°C)	µS/c	659 ± 4.22	-	-	8.44	-	-
Magnesium	mg/l	23.5 ± 0.376	-	-	0.753	-	-
Sodium	mg/l	18.9 ± 0.221	-	-	0.423	-	-
Ammonium (as NH4)	mg/l	0.104 ± 0.00531	-	-	0.0102	-	-
Nitrite (as NO2)	mg/l	0.18 ± 0.00409	-	-	0.00721	-	-
Nitrate (as NO3)	mg/l	7.47 ± 0.133	-	-	0.247	-	-
Orthophosphate (as PO4)	mg/l	0.109 ± 0.00298	-	-	0.00496	-	-
Sulfate (as SO4)	mg/l	40.6 ± 0.63	-	-	1.13	-	-

Sample: N125B

Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
Alkalinity Ks 4,3	mmol/l	3.82 ± 0.0323	3.815	0.03	0.0637	99.7	-0.16
Boron	mg/l	0.0192 ± 0.00201	-	-	0.00259	-	-
Calcium	mg/l	67.4 ± 0.89	-	-	1.73	-	-
Chloride	mg/l	31.4 ± 0.409	-	-	0.817	-	-
DOC (as C)	mg/l	2.29 ± 0.0987	-	-	0.168	-	-
Total-P (as PO4)	mg/l	0.117 ± 0.00634	-	-	0.0108	-	-
Total hardness	°d	12.9 ± 0.189	-	-	0.345	-	-
Hydrogen carbonate	mg/l	232 ± 2.04	-	-	3.67	-	-
Potassium	mg/l	2.42 ± 0.0768	-	-	0.151	-	-
El. conductivity (25°C)	µS/c	527 ± 4.01	-	-	8.01	-	-
Magnesium	mg/l	15.1 ± 0.234	-	-	0.462	-	-
Sodium	mg/l	20 ± 0.246	-	-	0.472	-	-
Ammonium (as NH4)	mg/l	0.0446 ± 0.00341	-	-	0.00654	-	-
Nitrite (as NO2)	mg/l	0.0677 ± 0.00219	-	-	0.00393	-	-
Nitrate (as NO3)	mg/l	12 ± 0.18	-	-	0.345	-	-

Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
Orthophosphate (as PO4)	mg/l	0.102 ± 0.00523	-	-	0.00923	-	-
Sulfate (as SO4)	mg/l	30 ± 0.419	-	-	0.726	-	-



The following results were achieved:

Sample: N125A

Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
Alkalinity Ks 4,3	mmol/l	5.13 ± 0.0406	4.99	0.748	0.0822	97.2	-1.76
Boron	mg/l	0.0561 ± 0.00407	0.059	0.0071	0.00576	105.1	0.50
Calcium	mg/l	84.5 ± 0.994	86.5	3.46	1.87	102.4	1.07
Chloride	mg/l	35.5 ± 0.371	35.64	1.426	0.71	100.4	0.19
DOC (as C)	mg/l	0.789 ± 0.0751	0.8	0.06	0.123	101.4	0.09
Total-P (as PO4)	mg/l	0.188 ± 0.00875	0.193	0.029	0.0143	102.5	0.33
Total hardness	°d	17.2 ± 0.279	17.6	-	0.526	102.2	0.72
Hydrogen carbonate	mg/l	311 ± 2.1	304.3	45.64	3.77	97.9	-1.74
Potassium	mg/l	3.99 ± 0.0876	4.14	0.414	0.173	103.8	0.88
El. conductivity (25°C)	µS/c	659 ± 4.22	664	26.5	8.44	100.8	0.61
Magnesium	mg/l	23.5 ± 0.376	23.83	1.43	0.753	101.6	0.50
Sodium	mg/l	18.9 ± 0.221	18.58	1.115	0.423	98.4	-0.69
Ammonium (as NH4)	mg/l	0.104 ± 0.00531	0.095	0.0095	0.0102	91.4	-0.87
Nitrite (as NO2)	mg/l	0.18 ± 0.00409	0.175	0.014	0.00721	97.4	-0.65
Nitrate (as NO3)	mg/l	7.47 ± 0.133	7.569	0.3027	0.247	101.3	0.39
Orthophosphate (as PO4)	mg/l	0.109 ± 0.00298	0.11	0.0132	0.00496	101.3	0.28
Sulfate (as SO4)	mg/l	40.6 ± 0.63	40.59	2.435	1.13	99.9	-0.05

Sample: N125B

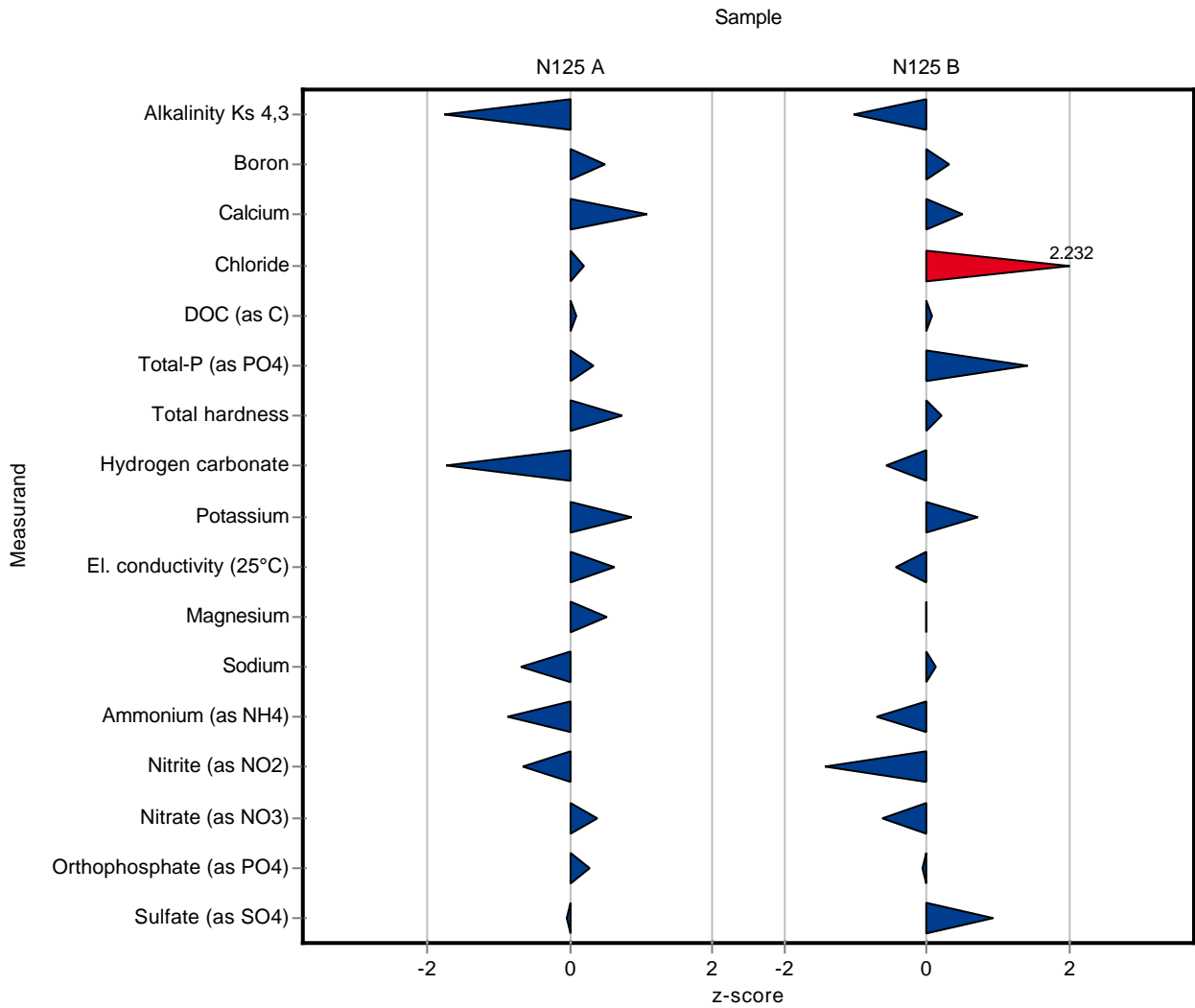
Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
Alkalinity Ks 4,3	mmol/l	3.82 ± 0.0323	3.76	0.564	0.0637	98.3	-1.02
Boron	mg/l	0.0192 ± 0.00201	0.02	0.0024	0.00259	104.4	0.32
Calcium	mg/l	67.4 ± 0.89	68.34	2.733	1.73	101.3	0.52
Chloride	mg/l	31.4 ± 0.409	33.2	1.328	0.817	105.8	2.23
DOC (as C)	mg/l	2.29 ± 0.0987	2.3	0.19	0.168	100.6	0.08
Total-P (as PO4)	mg/l	0.117 ± 0.00634	0.132	0.0198	0.0108	113.1	1.42
Total hardness	°d	12.9 ± 0.189	13	-	0.345	100.5	0.20
Hydrogen carbonate	mg/l	232 ± 2.04	229.6	34.44	3.67	99.1	-0.57
Potassium	mg/l	2.42 ± 0.0768	2.53	0.253	0.151	104.6	0.73
El. conductivity (25°C)	µS/c	527 ± 4.01	523	20.9	8.01	99.3	-0.44
Magnesium	mg/l	15.1 ± 0.234	15.11	0.907	0.462	100.0	0.00
Sodium	mg/l	20 ± 0.246	20.07	1.204	0.472	100.3	0.13
Ammonium (as NH4)	mg/l	0.0446 ± 0.00341	0.04	0.004	0.00654	89.6	-0.71
Nitrite (as NO2)	mg/l	0.0677 ± 0.00219	0.062	0.005	0.00393	91.6	-1.44
Nitrate (as NO3)	mg/l	12 ± 0.18	11.823	0.4729	0.345	98.2	-0.63

Summary of results Major ions N125

Laborcode: LC0044

Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
Orthophosphate (as PO <sub>4</sub> )	mg/l	0.102 ± 0.00523	0.101	0.0121	0.00923	99.4	-0.07
Sulfate (as SO <sub>4</sub> )	mg/l	30 ± 0.419	30.63	1.838	0.726	102.3	0.93





The following results were achieved:

Sample: N125A

Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
Alkalinity Ks 4,3	mmol/l	5.13 ± 0.0406	5.08	0.02	0.0822	98.9	-0.67
Boron	mg/l	0.0561 ± 0.00407	0.07	0.01	0.00576	124.7	2.41
Calcium	mg/l	84.5 ± 0.994	83.5	1.2	1.87	98.8	-0.53
Chloride	mg/l	35.5 ± 0.371	35.8	0.86	0.71	100.8	0.41
DOC (as C)	mg/l	0.789 ± 0.0751	0.89	0.12	0.123	112.8	0.82
Total-P (as PO4)	mg/l	0.188 ± 0.00875	0.199	0.009	0.0143	105.7	0.75
Total hardness	°d	17.2 ± 0.279	17.1	0.3	0.526	99.3	-0.23
Hydrogen carbonate	mg/l	311 ± 2.1	309.8	1.3	3.77	99.7	-0.28
Potassium	mg/l	3.99 ± 0.0876	3.7	0.1	0.173	92.8	-1.67
El. conductivity (25°C)	µS/c	659 ± 4.22	651	10	8.44	98.8	-0.93
Magnesium	mg/l	23.5 ± 0.376	23.8	1	0.753	101.5	0.46
Sodium	mg/l	18.9 ± 0.221	18.9	0.3	0.423	100.1	0.06
Ammonium (as NH4)	mg/l	0.104 ± 0.00531	0.1	0.003	0.0102	96.3	-0.38
Nitrite (as NO2)	mg/l	0.18 ± 0.00409	0.174	0.005	0.00721	96.8	-0.79
Nitrate (as NO3)	mg/l	7.47 ± 0.133	7.6	0.2	0.247	101.7	0.52
Orthophosphate (as PO4)	mg/l	0.109 ± 0.00298	0.104	0.006	0.00496	95.7	-0.93
Sulfate (as SO4)	mg/l	40.6 ± 0.63	41	1	1.13	100.9	0.31

Sample: N125B

Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
Alkalinity Ks 4,3	mmol/l	3.82 ± 0.0323	3.82	0.02	0.0637	99.9	-0.08
Boron	mg/l	0.0192 ± 0.00201	0.04	0.01	0.00259	208.8	8.04
Calcium	mg/l	67.4 ± 0.89	66.7	1	1.73	98.9	-0.43
Chloride	mg/l	31.4 ± 0.409	31	0.74	0.817	98.8	-0.46
DOC (as C)	mg/l	2.29 ± 0.0987	2.68	0.35	0.168	117.2	2.35
Total-P (as PO4)	mg/l	0.117 ± 0.00634	0.12	0.005	0.0108	102.8	0.31
Total hardness	°d	12.9 ± 0.189	12.8	0.2	0.345	99.0	-0.38
Hydrogen carbonate	mg/l	232 ± 2.04	232.9	1	3.67	100.5	0.33
Potassium	mg/l	2.42 ± 0.0768	2.1	0.1	0.151	86.8	-2.11
El. conductivity (25°C)	µS/c	527 ± 4.01	520	8	8.01	98.8	-0.81
Magnesium	mg/l	15.1 ± 0.234	15.3	0.6	0.462	101.3	0.42
Sodium	mg/l	20 ± 0.246	20	0.3	0.472	100.0	-0.01
Ammonium (as NH4)	mg/l	0.0446 ± 0.00341	0.05	0.001	0.00654	112.0	0.82
Nitrite (as NO2)	mg/l	0.0677 ± 0.00219	0.066	0.002	0.00393	97.5	-0.42
Nitrate (as NO3)	mg/l	12 ± 0.18	12.1	0.3	0.345	100.5	0.17

Parameter	Unit	Target ± CI(99%)	Result	± U	Criteria	Recovery	z-score
Orthophosphate (as PO <sub>4</sub> )	mg/l	0.102 ± 0.00523	0.1	0.005	0.00923	98.4	-0.18
Sulfate (as SO <sub>4</sub> )	mg/l	30 ± 0.419	30	1	0.726	100.2	0.06

