

Proficiency Testing Scheme for Water Analysis

Round M106
Metals

Sample Dispatch: 18. July 2011





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This report summarises the results of round M106 (trace metals) within the IFA-Test Proficiency Testing Scheme for water analysis. The samples M106A and M106B were distributed to the participants on Monday, 18 July 2011. Closing date for reporting results to the IFA-Tulln was Friday, 12 August 2011.

29 laboratories participated in this interlaboratory comparison. One participant did not submit results.

Samples

The samples consisted of artificial ground water spiked with pure standards. For sample preparation, ultrapure water was spiked with concentrated solutions of salts in order to simulate the ionic composition of natural Austrian ground water. Ultrapure HNO₃ (0.5 % v/v) was added to stabilise the samples at a pH below 2, which meets the standard sampling procedure in the Austrian monitoring program. The following ultrapure salts were added to the samples: CaCO₃, Mg(NO₃)₂, NaCl, KCl, besides ultrapure H₂SO₄ for sulphate. By this, the matrix of the samples consisted of about 51.3 mg/L Ca²⁺; 25.0 mg/L Mg²⁺; 12.6 mg/L Na⁺; 1.82 mg/L K⁺; 25.4 mg/L SO₄²⁻ and 21.1 mg/L Cl⁻ in 0.5 % HNO₃.

Traces of Ag, Al, As, Pb, Cd, Cr, Fe, Cu, Mn, Ni, Hg, U, Se and Zn were added, using certified atomic spectroscopy standards. For most of the compounds added to the samples, the target concentrations were higher than the minimum quantifiable values of the Austrian ground and river water monitoring program. The calculation of the target concentrations of the compounds was based on the mass of standard added to the samples.

Homogeneity, accuracy and stability tests at the IFA-Tulln

Three bottles of M106A and M106B were analysed for all investigated parameters prior to shipment to the participants. The results are listed in the results tables and the parameter oriented part of the report ("IFA result").

After four weeks all parameters were determined in two samples of M106A and M106B. The results of the measurements are listed in the result tables and the parameter oriented part of the report ("Stability test").

According to our experience the samples remain stable up to 18 months for the parameters Al, As, Pb, Cd, Cr, Cu, Fe, Mn, Ni, U, Se and Zn when stored at 4-6 °C in the dark. For the parameters Hg and Ag a concentration decrease of 2 % to 4 % per month can be expected.

Results

Data evaluation was based on target concentrations that were calculated from the weights of the standards used to produce the samples. Their uncertainty intervals correspond to the expanded uncertainty (coverage factor $k = 2$) as described in the EURACHEM/CITAC Guide "Quantifying Uncertainty in Analytical Measurement" (Second Edition).

Recoveries for individual laboratory results and overall mean values are related to the assigned concentrations. The results were tested for outliers by application of the Hampel outlier test (level of significance 99 %). A minimum number of four results was required for the outlier test. Thus, there are no results for the outlier test of Ag in both samples.

Standard deviations and coefficients of variation (CVs) were only calculated when at least three results were available. The recoveries of the target concentrations, calculated from outlier-corrected data mean values ranged between 91.9 % (Cu in sample M106B) and 109.0 % (Se in sample M106A). The between laboratory CVs covered the range between 0.4 % (U in sample M106A) and 18.8 % (Se in sample M106A).

All confidence intervals of the outlier-corrected laboratory mean values except for Cu (91.9 % ± 5.4 %) in sample M106B encompass the corresponding target values with their uncertainties. For all other parameters, statistically, no difference could be detected between theoretical target concentrations and outlier corrected laboratory means.

The target concentration of Ni in sample M106B (0.32 µg/L) was below the limit of quantification for the most participating laboratories. Only few numerical results were submitted. Reasonable statistical evaluation was not possible.

z-scores

The most common approach is to form the z-score given by

$$z = \frac{x_i - \bar{x}}{\sigma}$$

| | |
|-----------|--|
| z | z-score |
| x_i | result of laboratory |
| \bar{x} | target value or mean value („consensus value“) |
| σ | standard deviation |

Thus, the z-score is the ratio of the estimated bias (difference between result and target value) and a standard deviation. The z-score criteria were determined from relative standard deviations from all interlaboratory comparisons that were organised by the IFA-Tulln in the period from 2000 to 2010. They represent long-term performance data of all former participating laboratories. The z-scores are listed together with the recoveries in the tables of the parameter oriented part.

Additionally, each laboratory obtained for every sample a single sheet that summarises the z-scores of the laboratory in graphical and tabular form.

The following table lists the z-score criteria as relative standard deviation and their limits of applicability. Z-scores were only calculated, if the target values were higher than these limits.

Thus, no z-scores were calculated for Ni in sample M106A and M106B.

| Parameter | z-Score-criteria (%) | Lower limit [µg/L] |
|-----------|----------------------|--------------------|
| Aluminium | 13 | 10 |
| Arsenic | 11 | 0.5 |
| Cadmium | 8.1 | 0.15 |
| Chromium | 7.9 | 1 |
| Copper | 8.5 | 1.5 |
| Iron | 10 | 20 |
| Lead | 8.8 | 1 |
| Manganese | 7.4 | 5 |
| Mercury | 11 | 0.2 |
| Nickel | 8.7 | 1.5 |
| Selenium | 17 | 0.5 |
| Silver | 13 | 0.05 |
| Uranium | 5.6 | 1 |
| Zinc | 11 | 3 |

Normally, a classification based on z-scores is made this way:

| z-Score | Classification |
|---------|----------------|
| <2 | satisfactory |
| 2< z <3 | questionable |
| >3 | unsatisfactory |

Please note that this evaluation is made on the background of the average performance of all participants of the IFA-Test-Systems proficiency testing scheme during the period from 2000 to 2010.

Illustration of results

An explanation to the illustration of the results is given on the following page. Graphical and tabular illustration of results can be divided into a parameter oriented and a laboratory oriented part.

The **laboratory oriented part** contains the measurement results and reported uncertainties of each individual laboratory for all parameters together with the achieved recoveries in graphical and tabular form. This part of the report also lists tables with the results originally reported by the laboratories.

In the **parameter oriented part** the reported results and corresponding uncertainties are illustrated together with recoveries of the target values and the z-scores for each parameter and all laboratories. This information is presented in graphical and tabular form. Results, which were identified as outliers by the Hampel test are marked with an asterisk in the column "out". These values were not considered for the calculation of statistical parameters (mean values, standard deviations and confidence intervals). Moreover, the parameter oriented part contains the uncertainties of the target value. The uncertainty intervals correspond to the expanded uncertainty (coverage factor $k = 2$) as described in the EURACHEM / CITAC Guide "Quantifying Uncertainty in Analytical Measurement" (Second Edition). The uncertainty interval of the reference concentration is illustrated in the graphs as a grey band around the 100 % recovery line.

Results, for which no recoveries could be calculated, are illustrated by one of the following symbols: **FN** (false negative), **FP** (false positive) or • - symbol.

- "FN": a result is considered false negative when the "< result" reported is lower than the corresponding target value
- "FP": False positive results can be obtained for compounds not added to the samples: a result is termed FP if it is higher than the corresponding limit of quantification of the analytical procedure employed at the IFA-Tulln.
- "•": All other results for which no recoveries can be calculated are illustrated by this symbol

Tulln, 19 August 2011

Sample C10B
Parameter Dichloromethane

Target value ± U (k=2) 10,4 µg/l ± 0,5 µg/l **Obtained from mass weighed out, U = uncertainty**

IFA result ± U (k=2) 10,2 µg/l ± 1,0 µg/l **Determined at IFA prior to shipment of samples**

Stability test ± U (k=2) 10,2 µg/l ± 1,0 µg/l **Determined at IFA 5 weeks after sample dispatch**

| Lab code | Result | Out | +/- | Unit | Recovery | z-Score |
|----------|--------|-----|------|------|----------|---------|
| A | 11,0 | | 1,28 | µg/l | 106 % | 0,30 |
| B | 9,0 | | 1,8 | µg/l | 87 % | -0,71 |
| C | 10 | | 2 | µg/l | 96 % | -0,20 |
| D | | | | µg/l | | |
| E | 13,7 | | 0,40 | µg/l | 132 % | 1,67 |
| F | 6,8 | | 0,7 | µg/l | 65 % | -1,82 |
| G | < 20 | | | µg/l | | |
| H | | | | µg/l | | |
| I | 11,0 | | | µg/l | 106% | 0,30 |
| J | 24,1 | * | 1,51 | µg/l | 232 % | 6,93 |
| K | 10,09 | | 1,22 | µg/l | 97 % | -0,16 |
| L | 2,76 | * | | µg/l | 27 % | -3,87 |
| M | 6,38 | | 1,87 | µg/l | 61 % | -2,03 |
| N | < 5 | | 0,5 | µg/l | FN | |
| O | 15,6 | * | 4 | µg/l | 150 % | 2,63 |
| P | 10,3 | | 1,0 | µg/l | 99 % | -0,05 |
| Q | 10 | | 1,14 | µg/l | 96 % | -0,20 |
| R | 8,88 | | 0,46 | µg/l | 85 % | -0,77 |
| S | | | | µg/l | | |
| T | 9,03 | | 0,08 | µg/l | 87 % | -0,69 |
| U | 22,5 | * | 0,5 | µg/l | 216 % | 6,12 |
| V | 10,33 | | 0,25 | µg/l | 99 % | -0,04 |

Recovery of target value in percent

z-Score of the laboratory

An asterisk indicates a result detected as outlier by Hampel test

Interval expected to encompass target value as stated by participant

| | All results | Outliers excl. | Unit |
|---------------------|--------------|----------------|------|
| Mean +/- CI (99%) | 11,3 ± 3,8 | 9,7 ± 1,6 | µg/l |
| Recov. +/- CI (99%) | 108,3 ± 36,3 | 93,6 ± 15,1 | % |
| SD between labs | 5,3 | 1,9 | µg/l |
| RSD between labs | 47,3 | 19,1 | % |
| n for calculation | 17 | 13 | |

Between laboratory standard deviation

Overall laboratory mean and recovery with corresponding confidence intervals (p=99%)

Number of data used for calculation of statistic parameters

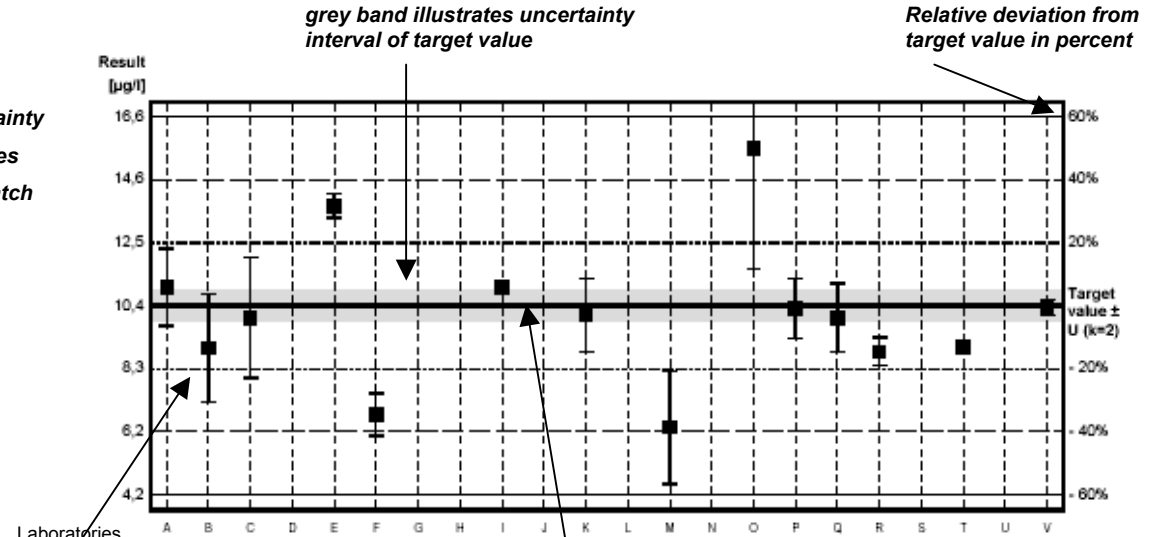
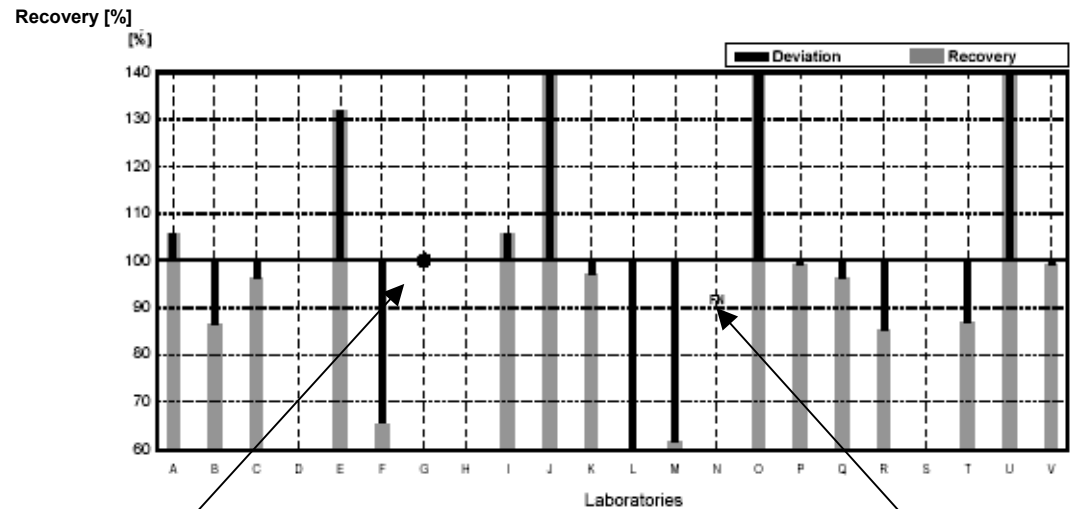


Diagram 1. Measurement results and corresponding uncertainty intervals

Result ± uncertainty as stated by participant

target value obtained from mass weight



Result neither false positive, false negative nor possible to calculate recovery

False negative: reported "<-result" is lower than target value

Diagram 2. Recoveries and deviations from target values

EXPLANATION

Illustration of Results Tables and Parameter Oriented Part

Round M106
Metals

Sample Dispatch: 18 July 2011



Results Sample M106A

| | Aluminium | Arsenic | Lead | Cadmium | Chromium | Iron | Copper |
|----------------|-----------|---------|--------|---------|----------|---------|--------|
| Target value | 47.9 | 3.85 | 10.07 | 1.45 | 1.53 | 32.1 | 4.79 |
| IFA result | 47.6 | 3.82 | 9.92 | 1.43 | 1.51 | 32.4 | 4.79 |
| Stability test | 47.5 | 3.76 | 9.85 | 1.43 | 1.51 | 31.5 | 4.69 |
| A | 53.37 | 4.15 | 10.3 | 1.48 | 1.52 | 36.31 | 5.16 |
| B | 50.4 | 3.87 | 9.75 | 1.46 | 1.02 | 26.5 | 4.22 |
| C | 44.18 | 2.91 | 9.95 | 1.12 | 1.54 | 31.68 | 4.45 |
| D | | 3.82 | 9.3 | 1.39 | 1.3 | | |
| E | 44 | | | | | 40 | |
| F | 44.9 | 2.60 | 9.19 | 1.33 | 1.51 | 35.6 | 4.10 |
| G | | | | | | 51 | |
| H | | | | | | | |
| I | 48.4 | 3.77 | 9.80 | 1.37 | 1.53 | 30.0 | 4.75 |
| J | 54.0 | | 11.9 | <2.5 | <2.5 | 32.5 | <5 |
| K | 46.1 | 3.76 | 9.23 | 1.47 | 1.44 | 32.1 | 4.76 |
| L | 292.7 | | | | | 42 | <10 |
| M | 47 | 4.0 | 9.5 | 1.5 | 1.6 | 33 | 4.8 |
| N | 47.9 | 4.0 | 8.9 | 1.4 | 1.8 | 30.8 | 3.7 |
| O | 46.6 | 3.95 | 9.65 | 1.42 | 1.57 | 35.0 | 4.47 |
| P | 12.7 | <1 | 2.1 | [0.5] | 7.6 | 50.1 | 6.0 |
| Q | 47.3 | 4.14 | 9.36 | 1.49 | 1.46 | 30.8 | 4.17 |
| R | 46.0 | 4.5 | 9.6 | 1.51 | 1.4 | 29 | 4.6 |
| S | 46.81 | 3.98 | 9.63 | 1.37 | 1.92 | 30.87 | 4.44 |
| T | | | | | | | |
| U | 45.84 | 3.92 | 8.98 | 1.416 | 1.694 | 31.51 | 4.675 |
| V | 50.0 | 4.2 | 9.5 | 1.4 | 1.6 | 31.0 | 5.0 |
| W | 67.9 | 4.24 | 10.6 | 1.72 | 1.49 | 33.8 | 3.54 |
| X | 29.5 | 1.729 | 14.244 | 1.223 | 7.2 | 35 | 7.108 |
| Y | 43.43 | 4.23 | 7.18 | 2.59 | <5 | 31.47 | <10 |
| Z | | | | | | | |
| AA | 46 | 4.6 | 6.1 | 1.23 | <3.0 | 33 | <3.0 |
| AB | 47.84 | 3.618 | 9.923 | 1.204 | 1.295 | 52.68 | 3.775 |
| AC | 44.055 | 3.7295 | 10.51 | 1.2855 | <3.0 | 31.6833 | <10.0 |

All data in µg/L

Uncertainties Sample M106A

| | Aluminium ± | Arsenic ± | Lead ± | Cadmium ± | Chromium ± | Iron ± | Copper ± |
|----------------|----------------|--------------|-----------|--------------|---------------|-----------|-------------|
| Target value | 0.3 | 0.03 | 0.10 | 0.01 | 0.01 | 0.2 | 0.13 |
| IFA result | 4.8 | 0.46 | 0.89 | 0.10 | 0.23 | 2.6 | 0.38 |
| Stability test | 4.8 | 0.45 | 0.89 | 0.10 | 0.23 | 2.5 | 0.38 |
| A | 5.337 | 0.498 | 0.824 | 0.1184 | 0.1824 | 9.4406 | 0.4128 |
| B | 5.04 | 0.39 | 0.98 | 0.15 | 0.10 | 2.6 | 0.42 |
| C | 1.33 | 0.17 | 0.30 | 0.04 | 0.05 | 0.95 | 0.13 |
| D | | 0.36 | 0.1 | 0.02 | 0.2 | | |
| E | 13.6 | | | | | 16 | |
| F | 1.69 | 0.14 | 0.07 | 0.038 | 0.22 | 1.63 | 0.08 |
| G | | | | | | 5 | |
| H | | | | | | | |
| I | 6.55 | 0.55 | 1.35 | 0.20 | 0.23 | 4.10 | 0.74 |
| J | 11.7 | | 1.70 | | | 3.25 | |
| K | | | | | | | |
| L | 26 | | | | | 2 | |
| M | 5 | 0.6 | 1.4 | 0.2 | 0.5 | 4 | 0.5 |
| N | 9.6 | 0.4 | 0.9 | 0.14 | 0.2 | 6.0 | 0.4 |
| O | 4.66 | 0.395 | 0.965 | 0.142 | 0.157 | 3.50 | 0.447 |
| P | | | | | | | |
| Q | 2 | 0.2 | 0.1 | 0.05 | 0.05 | 2 | 0.2 |
| R | 4.0 | 0.5 | 0.5 | 0.10 | 0.2 | 3 | 0.8 |
| S | 7.02 | 0.60 | 1.45 | 0.21 | 0.29 | 4.63 | 0.67 |
| T | | | | | | | |
| U | 9.17 | 0.78 | 1.80 | 0.283 | 0.339 | 6.30 | 0.935 |
| V | 6.00 | 0.672 | 1.52 | 0.098 | 0.16 | 2.17 | 0.50 |
| W | 5 | 0.4 | 0.5 | 0.15 | 0.1 | 2 | 0.3 |
| X | 1.5 | 0.061 | 1.759 | 0.083 | 3.6 | 4 | 0.749 |
| Y | 0.96 | 0.65 | 0.25 | 0.11 | | 0.28 | |
| Z | | | | | | | |
| AA | | | | | | | |
| AB | 2.047 | 0.146 | 0.414 | 0.046 | 0.072 | 3.124 | 0.107 |
| AC | 4.4055 | 0.3729 | 1.051 | 0.12855 | | 3.1683 | |

All data in µg/L

Results Sample M106A

| | Manganese | Nickel | Mercury | Selenium | Silver | Uranium | Zinc |
|----------------|-----------|--------|---------|----------|--------|---------|--------|
| Target value | 39.8 | 0.97 | 0.64 | 0.60 | 0.140 | 1.96 | 10.05 |
| IFA result | 38.8 | 0.98 | 0.64 | 0.60 | 0.135 | 1.97 | 10.1 |
| Stability test | 39.7 | 1.02 | 0.67 | 0.62 | 0.131 | 2.12 | 10.4 |
| A | 42.19 | <1.0 | 0.6 | | <0.5 | | 11.08 |
| B | 40.9 | 0.96 | 0.51 | <1 | <1 | 1.92 | 10.1 |
| C | 41.78 | 0.84 | 0.63 | | | | 9.44 |
| D | | 1.0 | | 0.53 | | | |
| E | 36 | | | | | | |
| F | 38.9 | 1.02 | 0.57 | | | | 10.8 |
| G | 13 | | | | | | |
| H | | | | | | 1.9 | |
| I | 37.8 | 0.95 | 0.65 | 0.76 | <0.5 | 2.04 | 9.11 |
| J | 41.4 | <5 | 0.63 | | | | 10.0 |
| K | 39.5 | <1.5 | 0.756 | <0.5 | | | 12.5 |
| L | 36 | | | | | | |
| M | 39 | 0.80 | 0.72 | <2.0 | <1.0 | 1.9 | 11 |
| N | 39.9 | 1.2 | 0.50 | 0.5 | <1 | 1.9 | 8.3 |
| O | 43.0 | 1.01 | 0.695 | <1.0 | <1.0 | 2.19 | 10.3 |
| P | 10.3 | <1 | 1.4 | 2.2 | | | 11.3 |
| Q | 39.5 | 0.915 | 0.576 | 0.743 | 0.187 | 1.98 | 10.4 |
| R | 33.9 | 1.4 | 0.620 | 0.78 | 0.131 | 1.91 | 10.9 |
| S | 38.24 | <1 | 0.627 | | | | <20 |
| T | | | | | | | |
| U | 38.80 | 1.021 | 0.562 | <1.0 | | | 10.08 |
| V | 39.0 | <2.0 | 0.60 | <0.9 | <0.1 | 1.9 | 9.0 |
| W | 38.4 | 2.37 | 0.75 | 1.91 | <1.0 | | 10.5 |
| X | 50 | 1.065 | 0.779 | | | | 17.279 |
| Y | 39.68 | 11.08 | 5.78 | <1 | <5 | <100 | <10 |
| Z | | | 0.647 | | | | |
| AA | 35 | <3.0 | 0.66 | <3.0 | <0.5 | | 11 |
| AB | 32.15 | 3.404 | 0.705 | 0.611 | 0.107 | 1.670 | 9.916 |
| AC | 39.89 | <4.0 | | <2.0 | | | |

All data in µg/L

Uncertainties Sample M106A

| | Manganese ± | Nickel ± | Mercury ± | Selenium ± | Silver ± | Uranium ± | Zinc ± |
|----------------|----------------|-------------|--------------|---------------|-------------|--------------|-----------|
| Target value | 0.2 | 0.02 | 0.01 | 0.01 | 0.005 | 0.05 | 0.11 |
| IFA result | 3.1 | 0.12 | 0.04 | 0.06 | 0.014 | 0.20 | 1.0 |
| Stability test | 3.2 | 0.12 | 0.04 | 0.06 | 0.013 | 0.21 | 1.0 |
| A | 4.219 | | 0.07 | | | | 1.108 |
| B | 4.09 | 0.01 | 0.07 | | | 0.19 | 1.0 |
| C | 1.25 | 0.05 | 0.04 | | | | 0.29 |
| D | | 0.1 | | 0.06 | | | |
| E | 5.8 | | | | | | |
| F | 0.56 | 0.11 | 0.040 | | | | 1.22 |
| G | 3 | | | | | | |
| H | | | | | | 0.1 | |
| I | 5.51 | 0.16 | 0.01 | 0.095 | | 0.30 | 1.26 |
| J | 4.14 | | 0.13 | | | | 1.02 |
| K | | | | | | | |
| L | 1 | | | | | | |
| M | 4 | 0.22 | 0.10 | | | 0.2 | 3 |
| N | 3.9 | 0.1 | | 0.05 | | 0.2 | 1.6 |
| O | 4.30 | 0.101 | 0.069 | | | 0.219 | 1.03 |
| P | | | | | | | |
| Q | 1 | 0.05 | 0.05 | 0.05 | 0.01 | 0.01 | 0.5 |
| R | 2.0 | 0.2 | 0.005 | 0.20 | 0.020 | 0.20 | 1.0 |
| S | 5.74 | | 0.094 | | | | |
| T | | | | | | | |
| U | 7.76 | 0.204 | 0.112 | | | | 2.02 |
| V | 3.90 | 0.28 | 0.06 | 0.243 | 0.01 | 0.152 | 1.71 |
| W | 2 | 0.3 | 0.05 | 0.25 | | | 1 |
| X | 5 | 0.160 | 0.150 | | | | 3.136 |
| Y | 0.07 | 0.35 | 0.15 | | | | |
| Z | | | 0.013 | | | | |
| AA | | | | | | | |
| AB | 1.106 | 0.322 | 0.048 | 0.019 | 0.006 | 0.083 | 0.058 |
| AC | 3.989 | | | | | | |

All data in µg/L

Results Sample M106B

| | Aluminium | Arsenic | Lead | Cadmium | Chromium | Iron | Copper |
|----------------|-----------|---------|-------|---------|----------|--------|--------|
| Target value | 17.6 | 1.25 | 2.69 | 0.56 | 10.06 | 64.7 | 8.47 |
| IFA result | 17.8 | 1.25 | 2.68 | 0.55 | 9.96 | 63.6 | 8.19 |
| Stability test | 17.4 | 1.19 | 2.71 | 0.56 | 9.99 | 63.0 | 8.25 |
| A | 20.18 | 1.36 | 2.76 | 0.56 | 10.99 | 75.69 | 8.88 |
| B | 17.0 | 1.23 | 2.25 | 0.46 | 9.87 | 58.3 | 7.70 |
| C | 17.53 | 1.17 | 2.58 | 0.48 | 10.58 | 64.25 | 7.80 |
| D | | 1.00 | 2.0 | 0.47 | 7.3 | | |
| E | <20 | | | | | 70 | |
| F | 17.7 | [0.12] | 2.53 | 0.511 | 9.96 | 68.3 | 7.41 |
| G | | | | | | 22 | |
| H | | | | | | | |
| I | 17.8 | 1.25 | 2.69 | 0.68 | 9.90 | 63.0 | 8.42 |
| J | 23.3 | | <5 | <2.5 | 9.97 | 65.6 | 8.36 |
| K | 18.7 | 1.22 | 2.82 | 0.55 | 9.81 | 67.1 | 8.47 |
| L | 123.0 | | | | | 69 | <10 |
| M | 18 | 1.3 | 2.6 | 0.60 | 10 | 66 | 7.8 |
| N | 19.2 | 1.2 | 2.3 | 0.6 | 10.4 | 63.5 | 6.8 |
| O | 17.2 | 1.31 | 2.67 | 0.555 | 9.90 | 71.0 | 7.91 |
| P | 38.9 | 3.2 | 7.7 | 1.2 | 1.1 | 21.0 | 3.2 |
| Q | 17.7 | 1.36 | 2.58 | 0.558 | 9.56 | 62.2 | 7.36 |
| R | 17.0 | 1.5 | 2.6 | 0.58 | 9.0 | 58.4 | 8.1 |
| S | 17.35 | 1.40 | 2.51 | 0.53 | 9.97 | 65.53 | 7.73 |
| T | | | | | | | |
| U | 16.10 | 1.23 | 2.72 | 0.5376 | 9.968 | 62.57 | 8.292 |
| V | 19.0 | 1.4 | 2.5 | 0.5 | 10.6 | 63.0 | 8.0 |
| W | 40.4 | 2.43 | 3.17 | 0.68 | 10.0 | 66.4 | 6.87 |
| X | [1.0] | 0.903 | 5.672 | [0.020] | 12.5 | 68 | 12.672 |
| Y | <20 | <2.5 | 9.46 | <0.5 | 12.73 | 64.03 | <10 |
| Z | | | | | | | |
| AA | 15 | <3.0 | <3.0 | 0.47 | 9.8 | 65 | 3.0 |
| AB | 18.78 | 1.256 | 2.504 | 0.454 | 8.279 | 91.53 | 6.453 |
| AC | <50.0 | <2.0 | <4.0 | 0.4958 | 10.695 | 65.955 | <10.0 |

All data in µg/L

Uncertainties Sample M106B

| | Aluminium ± | Arsenic ± | Lead ± | Cadmium ± | Chromium ± | Iron ± | Copper ± |
|----------------|----------------|--------------|-----------|--------------|---------------|-----------|-------------|
| Target value | 0.1 | 0.01 | 0.02 | 0.01 | 0.10 | 0.3 | 0.19 |
| IFA result | 1.8 | 0.15 | 0.24 | 0.04 | 1.49 | 5.1 | 0.66 |
| Stability test | 1.7 | 0.14 | 0.24 | 0.04 | 1.50 | 5 | 0.66 |
| A | 2.018 | 0.163 | 0.2208 | 0.0448 | 1.3188 | 19.6794 | 0.7104 |
| B | 1.70 | 0.12 | 0.25 | 0.05 | 0.98 | 5.7 | 0.77 |
| C | 0.53 | 0.07 | 0.08 | 0.01 | 0.32 | 1.93 | 0.23 |
| D | | 0.10 | 0.2 | 0.01 | 0.1 | | |
| E | | | | | | 29 | |
| F | 1.81 | | 0.05 | 0.030 | 0.18 | 1.62 | 0.06 |
| G | | | | | | 2 | |
| H | | | | | | | |
| I | 2.42 | 0.20 | 0.37 | 0.10 | 1.47 | 8.72 | 1.29 |
| J | 5.03 | | | | 0.87 | 6.57 | 0.53 |
| K | | | | | | | |
| L | 11 | | | | | 3 | |
| M | 2 | 0.2 | 0.4 | 0.10 | 1 | 4 | 0.8 |
| N | 3.8 | 0.1 | 0.2 | 0.06 | 1.0 | 13.0 | 0.7 |
| O | 1.72 | 0.131 | 0.267 | 0.055 | 0.990 | 7.10 | 0.791 |
| P | | | | | | | |
| Q | 1 | 0.2 | 0.1 | 0.05 | 0.1 | 2 | 0.2 |
| R | 2.0 | 0.2 | 0.2 | 0.05 | 0.5 | 5.0 | 1.0 |
| S | 2.60 | 0.21 | 0.38 | 0.08 | 1.50 | 9.83 | 1.16 |
| T | | | | | | | |
| U | 3.22 | 0.25 | 0.54 | 0.1075 | 1.994 | 12.51 | 1.658 |
| V | 2.28 | 0.224 | 0.4 | 0.035 | 1.06 | 4.41 | 0.80 |
| W | 3 | 0.2 | 0.3 | 0.1 | 0.5 | 2 | 0.5 |
| X | | 0.027 | 0.178 | | 3.5 | 7 | 0.910 |
| Y | | | 0.27 | | 0.32 | 0.28 | |
| Z | | | | | | | |
| AA | | | | | | | |
| AB | 0.804 | 0.051 | 0.104 | 0.017 | 0.459 | 5.428 | 0.183 |
| AC | | | | 0.04958 | 1.0695 | 6.5955 | |

All data in µg/L

Results Sample M106B

| | Manganese | Nickel | Mercury | Selenium | Silver | Uranium | Zinc |
|----------------|-----------|-----------|---------|----------|--------|---------|--------|
| Target value | 14.1 | 0.32 | 1.24 | 1.80 | 0.070 | 2.72 | 17.7 |
| IFA result | 13.7 | 0.33 | 1.28 | 1.81 | 0.067 | 2.73 | 17.8 |
| Stability test | 13.9 | 0.32 | 1.31 | 1.81 | 0.068 | 2.92 | 17.3 |
| A | 15.11 | (...)0.03 | 1.3 | | <0.5 | | 19.17 |
| B | 14.1 | <1 | 1.03 | 1.70 | <1 | 2.59 | 16.7 |
| C | 13.96 | <1.0 | 1.28 | | | | 17.19 |
| D | | 0.4 | | 1.64 | | | |
| E | <20 | | | | | | |
| F | 14.1 | <1.00 | 1.10 | | | | 18.6 |
| G | 32 | | | | | | |
| H | | | | | | 2.7 | |
| I | 13.2 | 0.55 | 1.26 | 2.01 | <0.5 | 2.79 | 16.0 |
| J | 14.7 | <5 | 1.20 | | | | 17.6 |
| K | 14.7 | <1.5 | 1.47 | | | | 20.9 |
| L | <20 | | | | | | |
| M | 14 | <0.50 | 1.5 | <2.0 | <1.0 | 2.8 | 19 |
| N | 14.7 | <1 | 1.06 | 2.0 | <1 | 2.6 | 15.3 |
| O | 15.0 | <1.0 | 1.358 | 1.70 | <1.0 | 3.09 | 17.3 |
| P | 31.6 | <1 | 0.79 | 1.4 | | | <10 |
| Q | 14.1 | 0.268 | 1.14 | 2.19 | 0.168 | 2.70 | 18.0 |
| R | 12.1 | 0.8 | 1.243 | 2.34 | 0.066 | 2.70 | 19.4 |
| S | 13.64 | <1 | 1.24 | | | | <20 |
| T | | | | | | | |
| U | 14.02 | <1.0 | 1.14 | 1.77 | | | 17.83 |
| V | 14.0 | <0.7 | 1.31 | 2.1 | <0.1 | 2.6 | 16.0 |
| W | 13.4 | 1.37 | 1.39 | 1.77 | <1.0 | | 17.53 |
| X | 68 | <0.094 | 2.736 | | | | 47.518 |
| Y | 14.04 | 11.52 | 2.15 | 1.65 | <5 | <100 | 16.27 |
| Z | | | 1.279 | | | | |
| AA | 15 | <3.0 | 1.27 | 3.1 | <0.5 | | 18 |
| AB | 11.23 | 2.787 | 0.932 | 1.742 | 0.059 | 2.346 | 16.01 |
| AC | 14.26 | <4.0 | | <2.0 | | | |

All data in µg/L

Uncertainties Sample M106B

| | Manganese ± | Nickel ± | Mercury ± | Selenium ± | Silver ± | Uranium ± | Zinc ± |
|----------------|----------------|-------------|--------------|---------------|-------------|--------------|-----------|
| Target value | 0.1 | 0.02 | 0.02 | 0.01 | 0.002 | 0.05 | 0.1 |
| IFA result | 1.1 | 0.04 | 0.08 | 0.18 | 0.007 | 0.27 | 1.8 |
| Stability test | 1.1 | 0.04 | 0.08 | 0.18 | 0.007 | 0.29 | 1.7 |
| A | 1.511 | | 0.16 | | | | 1.917 |
| B | 1.41 | | 0.10 | 0.17 | | 0.26 | 1.6 |
| C | 0.42 | | 0.09 | | | | 0.52 |
| D | | 0.1 | | 0.06 | | | |
| E | | | | | | | |
| F | 0.56 | | 0.040 | | | | 1.97 |
| G | 3 | | | | | | |
| H | | | | | | 0.2 | |
| I | 1.87 | 0.097 | 0.017 | 0.32 | | 0.42 | 2.20 |
| J | 1.47 | | 0.24 | | | | 1.79 |
| K | | | | | | | |
| L | | | | | | | |
| M | 2 | | 0.2 | | | 0.3 | 3 |
| N | 1.5 | | | 0.2 | | 0.3 | 3.1 |
| O | 1.50 | | 0.136 | 0.170 | | 0.309 | 1.73 |
| P | | | | | | | |
| Q | 0.2 | 0.05 | 0.05 | 0.05 | 0.01 | 0.01 | 0.5 |
| R | 1.0 | 0.1 | 0.005 | 0.40 | 0.010 | 0.20 | 2.0 |
| S | 2.05 | | 0.19 | | | | |
| T | | | | | | | |
| U | 2.80 | | 0.23 | 0.35 | | | 3.57 |
| V | 1.40 | 0.098 | 0.131 | 0.567 | 0.01 | 0.208 | 3.04 |
| W | 1 | 0.2 | 0.1 | 0.25 | | | 1 |
| X | 7 | | 0.087 | | | | 4.441 |
| Y | 0.09 | 0.42 | 0.07 | 0.06 | | | 0.16 |
| Z | | | 0.014 | | | | |
| AA | | | | | | | |
| AB | 0.386 | 0.203 | 0.063 | 0.055 | 0.003 | 0.117 | 0.937 |
| AC | 1.426 | | | | | | |

All data in µg/L

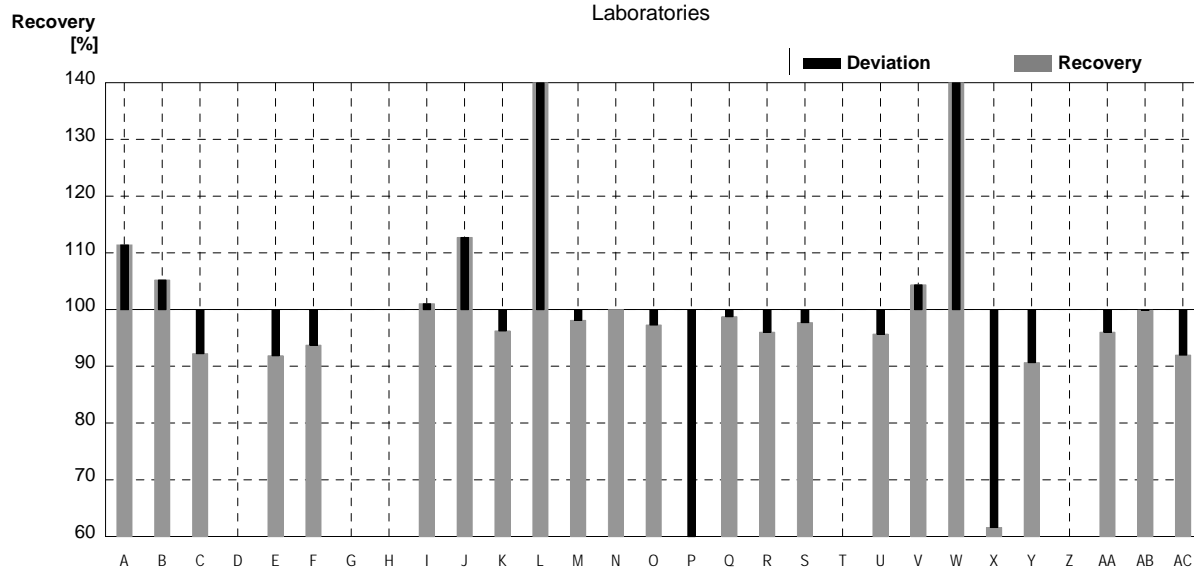
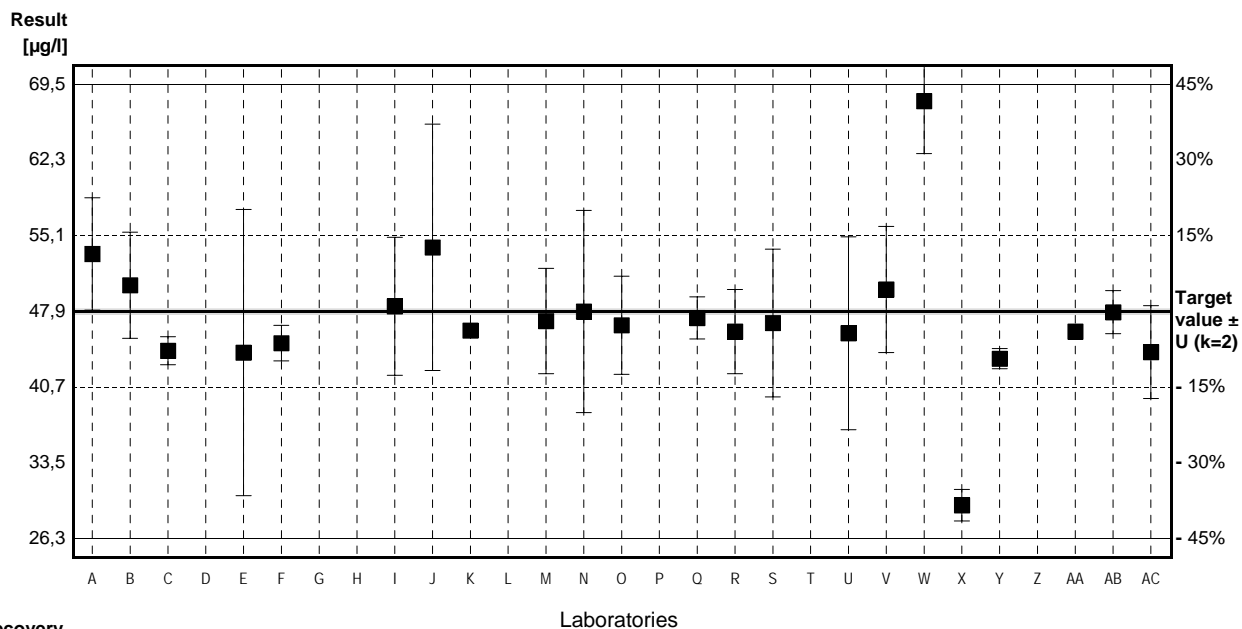
Sample M106A

Parameter Aluminium

Target value ± U (k=2) 47,9 µg/l ± 0,3 µg/l
 IFA result ± U (k=2) 47,6 µg/l ± 4,8 µg/l
 Stability test ± U (k=2) 47,5 µg/l ± 4,8 µg/l

| Lab Code | Result | ± | Unit | Recovery | z-Score |
|----------|---------|--------|------|----------|---------|
| A | 53,37 | 5,337 | µg/l | 111% | 0,88 |
| B | 50,4 | 5,04 | µg/l | 105% | 0,40 |
| C | 44,18 | 1,33 | µg/l | 92% | -0,60 |
| D | | | µg/l | | |
| E | 44 | 13,6 | µg/l | 92% | -0,63 |
| F | 44,9 | 1,69 | µg/l | 94% | -0,48 |
| G | | | µg/l | | |
| H | | | µg/l | | |
| I | 48,4 | 6,55 | µg/l | 101% | 0,08 |
| J | 54,0 | 11,7 | µg/l | 113% | 0,98 |
| K | 46,1 | | µg/l | 96% | -0,29 |
| L | 292,7 * | 26 | µg/l | 611% | 39,31 |
| M | 47 | 5 | µg/l | 98% | -0,14 |
| N | 47,9 | 9,6 | µg/l | 100% | 0,00 |
| O | 46,6 | 4,66 | µg/l | 97% | -0,21 |
| P | 12,7 * | | µg/l | 27% | -5,65 |
| Q | 47,3 | 2 | µg/l | 99% | -0,10 |
| R | 46,0 | 4,0 | µg/l | 96% | -0,31 |
| S | 46,81 | 7,02 | µg/l | 98% | -0,18 |
| T | | | µg/l | | |
| U | 45,84 | 9,17 | µg/l | 96% | -0,33 |
| V | 50,0 | 6,00 | µg/l | 104% | 0,34 |
| W | 67,9 * | 5 | µg/l | 142% | 3,21 |
| X | 29,5 * | 1,5 | µg/l | 62% | -2,95 |
| Y | 43,43 | 0,96 | µg/l | 91% | -0,72 |
| Z | | | µg/l | | |
| AA | 46 | | µg/l | 96% | -0,31 |
| AB | 47,84 | 2,047 | µg/l | 100% | -0,01 |
| AC | 44,055 | 4,4055 | µg/l | 92% | -0,62 |

| | All results | Outliers excl. | Unit |
|-------------------|--------------|----------------|------|
| Mean ± CI(99%) | 56,1 ± 29,4 | 47,2 ± 1,9 | µg/l |
| Recov. ± CI(99%) | 117,2 ± 61,4 | 98,6 ± 3,9 | % |
| SD between labs | 51,3 | 2,9 | µg/l |
| RSD between labs | 91,4 | 6,1 | % |
| n for calculation | 24 | 20 | |



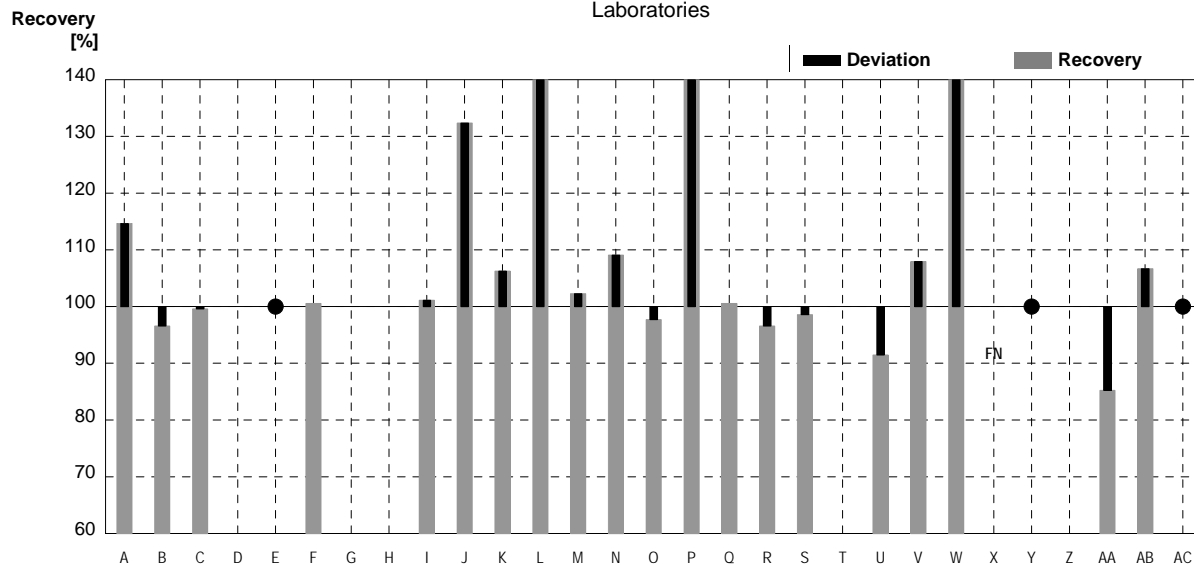
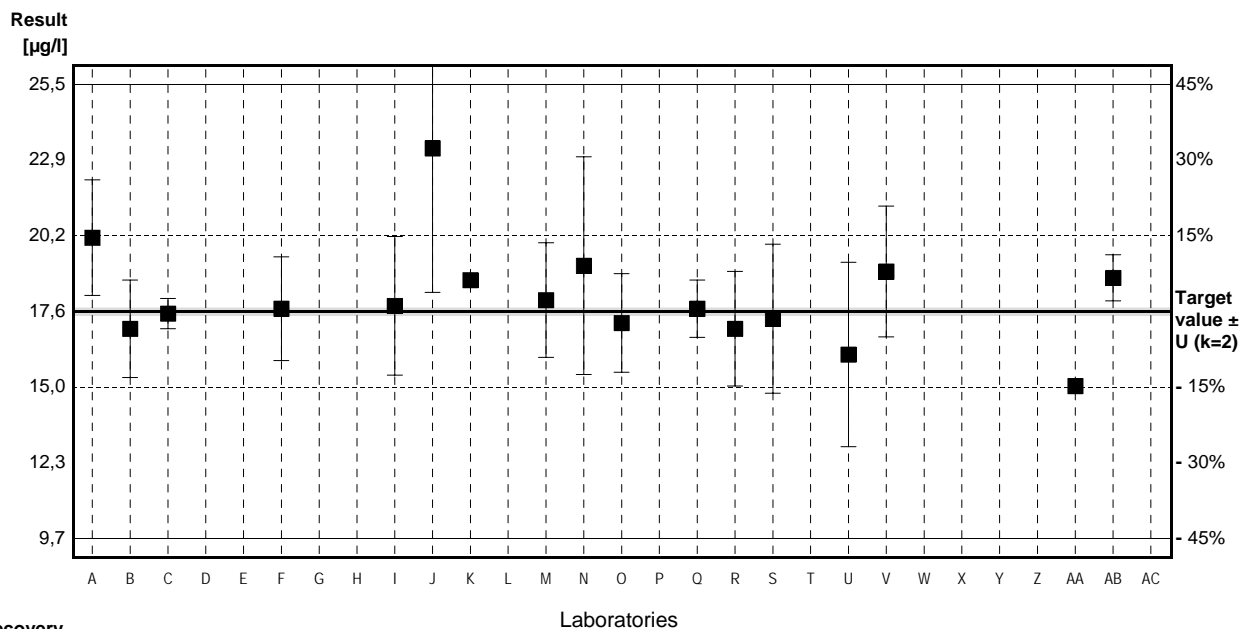
Sample M106B

Parameter Aluminium

Target value $\pm U$ (k=2) 17,6 $\mu\text{g/l}$ \pm 0,1 $\mu\text{g/l}$
 IFA result $\pm U$ (k=2) 17,8 $\mu\text{g/l}$ \pm 1,8 $\mu\text{g/l}$
 Stability test $\pm U$ (k=2) 17,4 $\mu\text{g/l}$ \pm 1,7 $\mu\text{g/l}$

| Lab Code | Result | \pm | Unit | Recovery | z-Score |
|----------|---------|-------|-----------------|----------|---------|
| A | 20,18 | 2,018 | $\mu\text{g/l}$ | 115% | 1,13 |
| B | 17,0 | 1,70 | $\mu\text{g/l}$ | 97% | -0,26 |
| C | 17,53 | 0,53 | $\mu\text{g/l}$ | 100% | -0,03 |
| D | | | $\mu\text{g/l}$ | | |
| E | <20 | | $\mu\text{g/l}$ | • | |
| F | 17,7 | 1,81 | $\mu\text{g/l}$ | 101% | 0,04 |
| G | | | $\mu\text{g/l}$ | | |
| H | | | $\mu\text{g/l}$ | | |
| I | 17,8 | 2,42 | $\mu\text{g/l}$ | 101% | 0,09 |
| J | 23,3 * | 5,03 | $\mu\text{g/l}$ | 132% | 2,49 |
| K | 18,7 | | $\mu\text{g/l}$ | 106% | 0,48 |
| L | 123,0 * | 11 | $\mu\text{g/l}$ | 699% | 46,07 |
| M | 18 | 2 | $\mu\text{g/l}$ | 102% | 0,17 |
| N | 19,2 | 3,8 | $\mu\text{g/l}$ | 109% | 0,70 |
| O | 17,2 | 1,72 | $\mu\text{g/l}$ | 98% | -0,17 |
| P | 38,9 * | | $\mu\text{g/l}$ | 221% | 9,31 |
| Q | 17,7 | 1 | $\mu\text{g/l}$ | 101% | 0,04 |
| R | 17,0 | 2,0 | $\mu\text{g/l}$ | 97% | -0,26 |
| S | 17,35 | 2,60 | $\mu\text{g/l}$ | 99% | -0,11 |
| T | | | $\mu\text{g/l}$ | | |
| U | 16,10 | 3,22 | $\mu\text{g/l}$ | 91% | -0,66 |
| V | 19,0 | 2,28 | $\mu\text{g/l}$ | 108% | 0,61 |
| W | 40,4 * | 3 | $\mu\text{g/l}$ | 230% | 9,97 |
| X | [1,0] | | $\mu\text{g/l}$ | FN | |
| Y | <20 | | $\mu\text{g/l}$ | • | |
| Z | | | $\mu\text{g/l}$ | | |
| AA | 15 | | $\mu\text{g/l}$ | 85% | -1,14 |
| AB | 18,78 | 0,804 | $\mu\text{g/l}$ | 107% | 0,52 |
| AC | <50,0 | | $\mu\text{g/l}$ | • | |

| | All results | Outliers excl. | Unit |
|----------------------|------------------|-----------------|-----------------|
| Mean \pm CI(99%) | 25,5 \pm 15,3 | 17,8 \pm 0,9 | $\mu\text{g/l}$ |
| Recov. \pm CI(99%) | 144,8 \pm 87,0 | 100,9 \pm 5,2 | % |
| SD between labs | 23,9 | 1,3 | $\mu\text{g/l}$ |
| RSD between labs | 93,9 | 7,0 | % |
| n for calculation | 20 | 16 | |



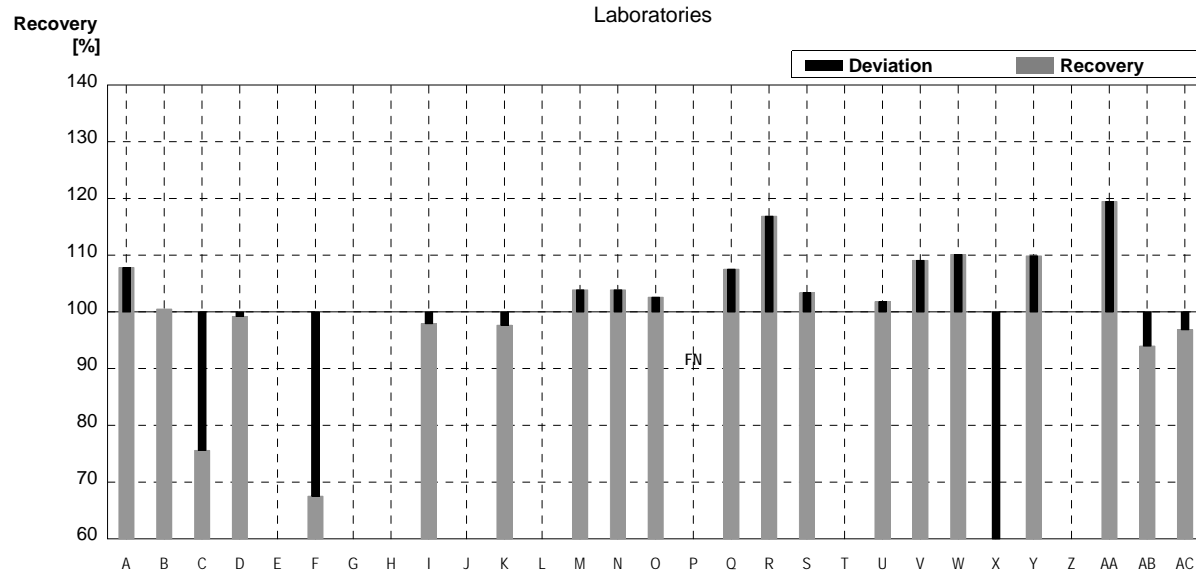
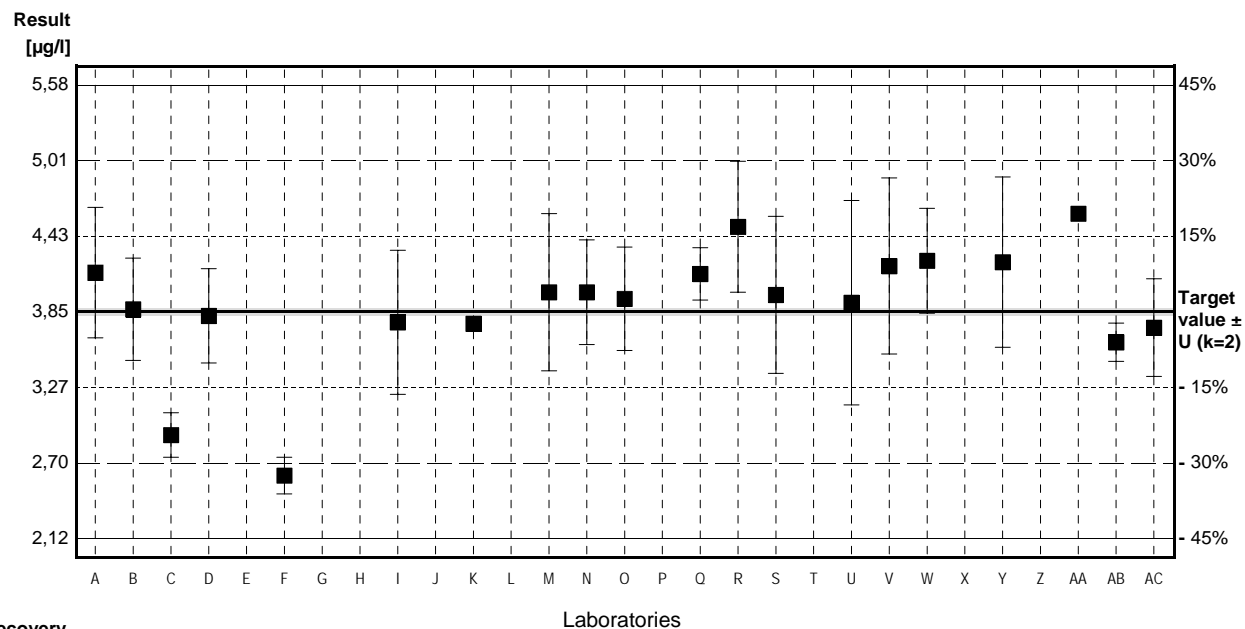
Sample M106A

Parameter Arsenic

Target value \pm U (k=2) 3,85 $\mu\text{g/l}$ \pm 0,03 $\mu\text{g/l}$
 IFA result \pm U (k=2) 3,82 $\mu\text{g/l}$ \pm 0,46 $\mu\text{g/l}$
 Stability test \pm U (k=2) 3,76 $\mu\text{g/l}$ \pm 0,45 $\mu\text{g/l}$

| Lab Code | Result | \pm | Unit | Recovery | z-Score |
|----------|---------|--------|-----------------|----------|---------|
| A | 4,15 | 0,498 | $\mu\text{g/l}$ | 108% | 0,71 |
| B | 3,87 | 0,39 | $\mu\text{g/l}$ | 101% | 0,05 |
| C | 2,91 * | 0,17 | $\mu\text{g/l}$ | 76% | -2,22 |
| D | 3,82 | 0,36 | $\mu\text{g/l}$ | 99% | -0,07 |
| E | | | $\mu\text{g/l}$ | | |
| F | 2,60 * | 0,14 | $\mu\text{g/l}$ | 68% | -2,95 |
| G | | | $\mu\text{g/l}$ | | |
| H | | | $\mu\text{g/l}$ | | |
| I | 3,77 | 0,55 | $\mu\text{g/l}$ | 98% | -0,19 |
| J | | | $\mu\text{g/l}$ | | |
| K | 3,76 | | $\mu\text{g/l}$ | 98% | -0,21 |
| L | | | $\mu\text{g/l}$ | | |
| M | 4,0 | 0,6 | $\mu\text{g/l}$ | 104% | 0,35 |
| N | 4,0 | 0,4 | $\mu\text{g/l}$ | 104% | 0,35 |
| O | 3,95 | 0,395 | $\mu\text{g/l}$ | 103% | 0,24 |
| P | <1 | | $\mu\text{g/l}$ | FN | |
| Q | 4,14 | 0,2 | $\mu\text{g/l}$ | 108% | 0,68 |
| R | 4,5 | 0,5 | $\mu\text{g/l}$ | 117% | 1,53 |
| S | 3,98 | 0,60 | $\mu\text{g/l}$ | 103% | 0,31 |
| T | | | $\mu\text{g/l}$ | | |
| U | 3,92 | 0,78 | $\mu\text{g/l}$ | 102% | 0,17 |
| V | 4,2 | 0,672 | $\mu\text{g/l}$ | 109% | 0,83 |
| W | 4,24 | 0,4 | $\mu\text{g/l}$ | 110% | 0,92 |
| X | 1,729 * | 0,061 | $\mu\text{g/l}$ | 45% | -5,01 |
| Y | 4,23 | 0,65 | $\mu\text{g/l}$ | 110% | 0,90 |
| Z | | | $\mu\text{g/l}$ | | |
| AA | 4,6 | | $\mu\text{g/l}$ | 119% | 1,77 |
| AB | 3,618 | 0,146 | $\mu\text{g/l}$ | 94% | -0,55 |
| AC | 3,7295 | 0,3729 | $\mu\text{g/l}$ | 97% | -0,28 |

| | All results | Outliers excl. | Unit |
|----------------------|-----------------|-----------------|-----------------|
| Mean \pm CI(99%) | 3,80 \pm 0,41 | 4,03 \pm 0,18 | $\mu\text{g/l}$ |
| Recov. \pm CI(99%) | 98,6 \pm 10,6 | 104,6 \pm 4,7 | % |
| SD between labs | 0,66 | 0,26 | $\mu\text{g/l}$ |
| RSD between labs | 17,3 | 6,5 | % |
| n for calculation | 21 | 18 | |



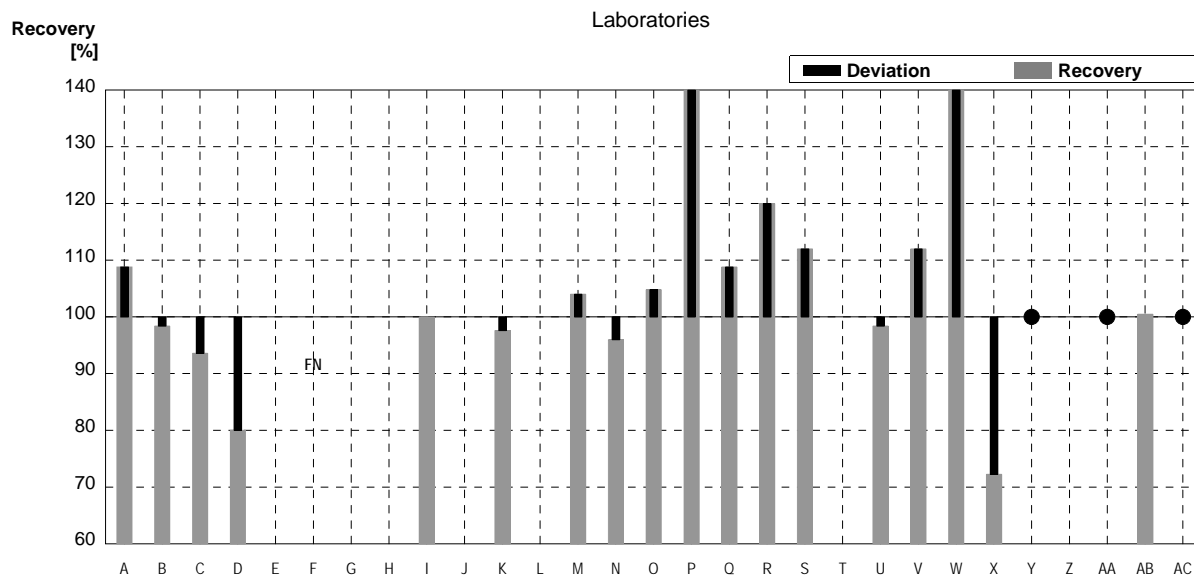
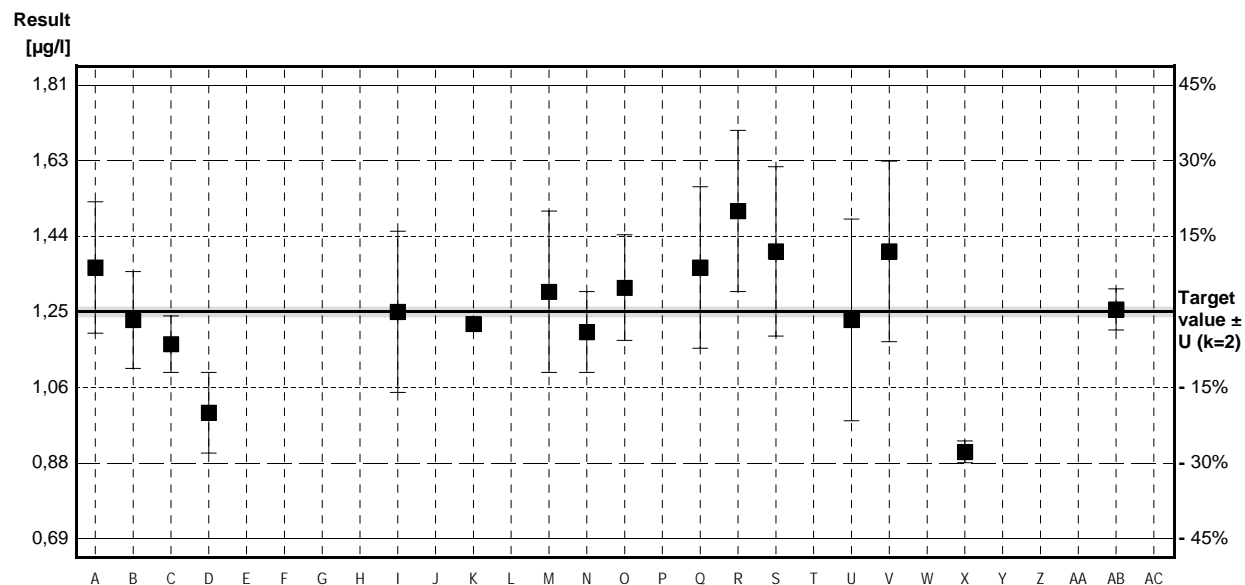
Sample M106B

Parameter Arsenic

Target value $\pm U$ (k=2) 1,25 $\mu\text{g/l}$ \pm 0,01 $\mu\text{g/l}$
 IFA result $\pm U$ (k=2) 1,25 $\mu\text{g/l}$ \pm 0,15 $\mu\text{g/l}$
 Stability test $\pm U$ (k=2) 1,19 $\mu\text{g/l}$ \pm 0,14 $\mu\text{g/l}$

| Lab Code | Result | \pm | Unit | Recovery | z-Score |
|----------|--------|-------|-----------------|----------|---------|
| A | 1,36 | 0,163 | $\mu\text{g/l}$ | 109% | 0,80 |
| B | 1,23 | 0,12 | $\mu\text{g/l}$ | 98% | -0,15 |
| C | 1,17 | 0,07 | $\mu\text{g/l}$ | 94% | -0,58 |
| D | 1,00 | 0,10 | $\mu\text{g/l}$ | 80% | -1,82 |
| E | | | $\mu\text{g/l}$ | | |
| F | [0,12] | | $\mu\text{g/l}$ | FN | |
| G | | | $\mu\text{g/l}$ | | |
| H | | | $\mu\text{g/l}$ | | |
| I | 1,25 | 0,20 | $\mu\text{g/l}$ | 100% | 0,00 |
| J | | | $\mu\text{g/l}$ | | |
| K | 1,22 | | $\mu\text{g/l}$ | 98% | -0,22 |
| L | | | $\mu\text{g/l}$ | | |
| M | 1,3 | 0,2 | $\mu\text{g/l}$ | 104% | 0,36 |
| N | 1,2 | 0,1 | $\mu\text{g/l}$ | 96% | -0,36 |
| O | 1,31 | 0,131 | $\mu\text{g/l}$ | 105% | 0,44 |
| P | 3,2 * | | $\mu\text{g/l}$ | 256% | 14,18 |
| Q | 1,36 | 0,2 | $\mu\text{g/l}$ | 109% | 0,80 |
| R | 1,5 | 0,2 | $\mu\text{g/l}$ | 120% | 1,82 |
| S | 1,40 | 0,21 | $\mu\text{g/l}$ | 112% | 1,09 |
| T | | | $\mu\text{g/l}$ | | |
| U | 1,23 | 0,25 | $\mu\text{g/l}$ | 98% | -0,15 |
| V | 1,4 | 0,224 | $\mu\text{g/l}$ | 112% | 1,09 |
| W | 2,43 * | 0,2 | $\mu\text{g/l}$ | 194% | 8,58 |
| X | 0,903 | 0,027 | $\mu\text{g/l}$ | 72% | -2,52 |
| Y | <2,5 | | $\mu\text{g/l}$ | • | |
| Z | | | $\mu\text{g/l}$ | | |
| AA | <3,0 | | $\mu\text{g/l}$ | • | |
| AB | 1,256 | 0,051 | $\mu\text{g/l}$ | 100% | 0,04 |
| AC | <2,0 | | $\mu\text{g/l}$ | • | |

| | All results | Outliers excl. | Unit |
|----------------------|------------------|-----------------|-----------------|
| Mean \pm CI(99%) | 1,43 \pm 0,37 | 1,26 \pm 0,11 | $\mu\text{g/l}$ |
| Recov. \pm CI(99%) | 114,3 \pm 29,5 | 100,4 \pm 8,8 | % |
| SD between labs | 0,54 | 0,15 | $\mu\text{g/l}$ |
| RSD between labs | 37,8 | 11,8 | % |
| n for calculation | 18 | 16 | |



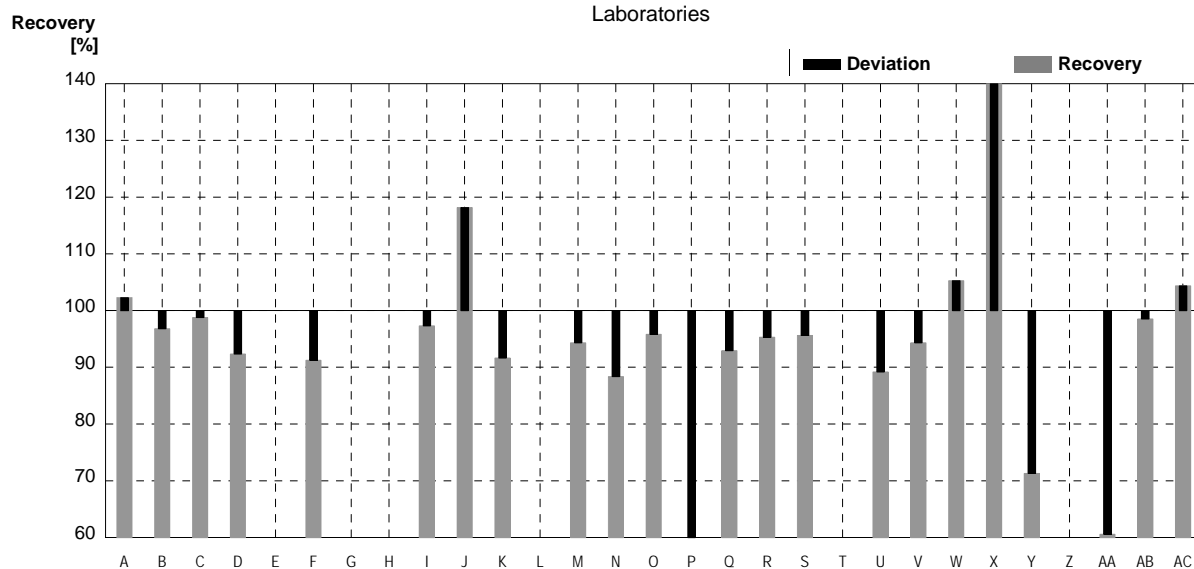
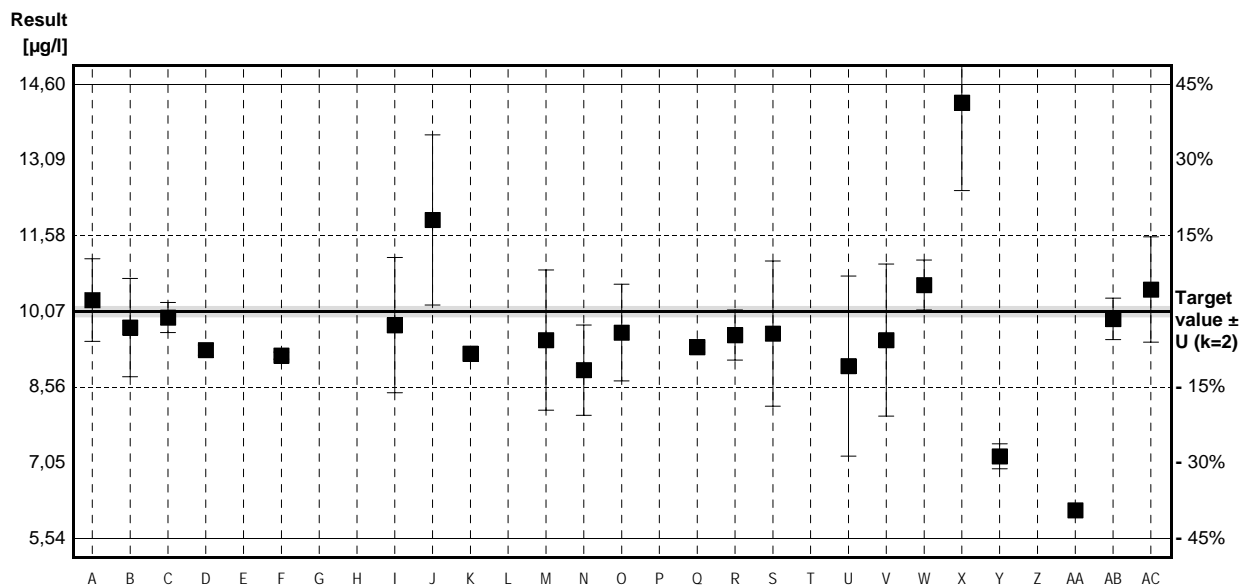
Sample M106A

Parameter Lead

Target value ± U (k=2) 10,07 µg/l ± 0,10 µg/l
 IFA result ± U (k=2) 9,92 µg/l ± 0,89 µg/l
 Stability test ± U (k=2) 9,85 µg/l ± 0,89 µg/l

| Lab Code | Result | ± | Unit | Recovery | z-Score |
|----------|----------|-------|------|----------|---------|
| A | 10,3 | 0,824 | µg/l | 102% | 0,26 |
| B | 9,75 | 0,98 | µg/l | 97% | -0,36 |
| C | 9,95 | 0,30 | µg/l | 99% | -0,14 |
| D | 9,3 | 0,1 | µg/l | 92% | -0,87 |
| E | | | µg/l | | |
| F | 9,19 | 0,07 | µg/l | 91% | -0,99 |
| G | | | µg/l | | |
| H | | | µg/l | | |
| I | 9,80 | 1,35 | µg/l | 97% | -0,30 |
| J | 11,9 * | 1,70 | µg/l | 118% | 2,07 |
| K | 9,23 | | µg/l | 92% | -0,95 |
| L | | | µg/l | | |
| M | 9,5 | 1,4 | µg/l | 94% | -0,64 |
| N | 8,9 | 0,9 | µg/l | 88% | -1,32 |
| O | 9,65 | 0,965 | µg/l | 96% | -0,47 |
| P | 2,1 * | | µg/l | 21% | -8,99 |
| Q | 9,36 | 0,1 | µg/l | 93% | -0,80 |
| R | 9,6 | 0,5 | µg/l | 95% | -0,53 |
| S | 9,63 | 1,45 | µg/l | 96% | -0,50 |
| T | | | µg/l | | |
| U | 8,98 | 1,80 | µg/l | 89% | -1,23 |
| V | 9,5 | 1,52 | µg/l | 94% | -0,64 |
| W | 10,6 | 0,5 | µg/l | 105% | 0,60 |
| X | 14,244 * | 1,759 | µg/l | 141% | 4,71 |
| Y | 7,18 * | 0,25 | µg/l | 71% | -3,26 |
| Z | | | µg/l | | |
| AA | 6,1 * | | µg/l | 61% | -4,48 |
| AB | 9,923 | 0,414 | µg/l | 99% | -0,17 |
| AC | 10,51 | 1,051 | µg/l | 104% | 0,50 |

| | All results | Outliers excl. | Unit |
|-------------------|-------------|----------------|------|
| Mean ± CI(99%) | 9,36 ± 1,28 | 9,65 ± 0,33 | µg/l |
| Recov. ± CI(99%) | 92,9 ± 12,7 | 95,8 ± 3,3 | % |
| SD between labs | 2,17 | 0,48 | µg/l |
| RSD between labs | 23,2 | 5,0 | % |
| n for calculation | 23 | 18 | |



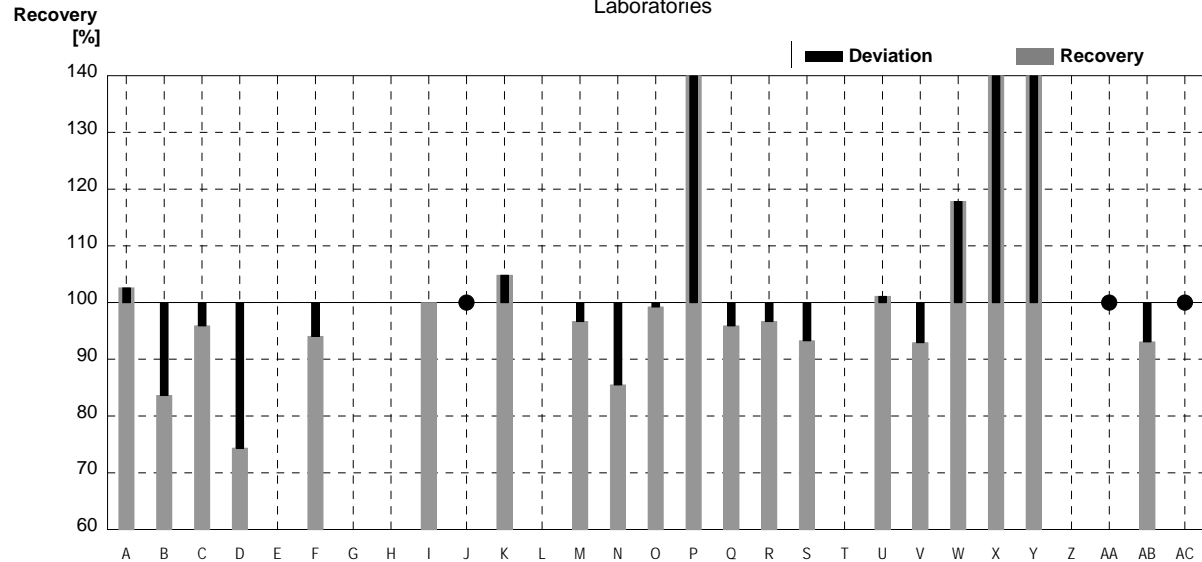
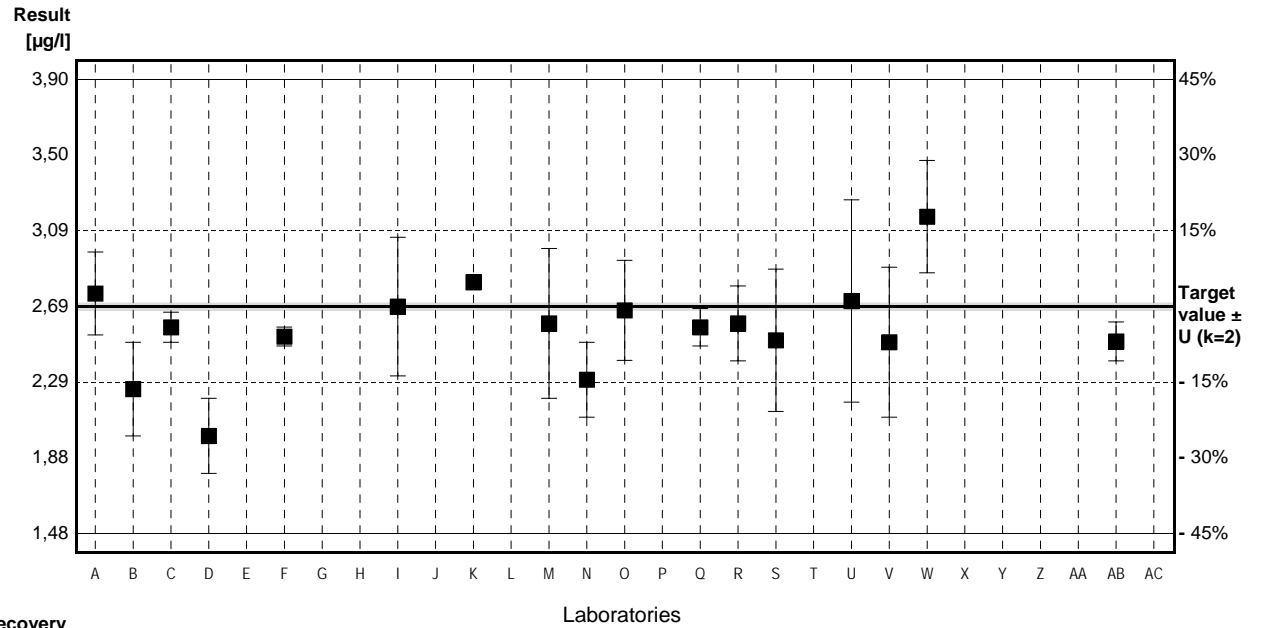
Sample M106B

Parameter Lead

Target value $\pm U$ (k=2) 2,69 $\mu\text{g/l}$ \pm 0,02 $\mu\text{g/l}$
 IFA result $\pm U$ (k=2) 2,68 $\mu\text{g/l}$ \pm 0,24 $\mu\text{g/l}$
 Stability test $\pm U$ (k=2) 2,71 $\mu\text{g/l}$ \pm 0,24 $\mu\text{g/l}$

| Lab Code | Result | \pm | Unit | Recovery | z-Score |
|----------|---------|--------|-----------------|----------|---------|
| A | 2,76 | 0,2208 | $\mu\text{g/l}$ | 103% | 0,30 |
| B | 2,25 | 0,25 | $\mu\text{g/l}$ | 84% | -1,86 |
| C | 2,58 | 0,08 | $\mu\text{g/l}$ | 96% | -0,46 |
| D | 2,0 * | 0,2 | $\mu\text{g/l}$ | 74% | -2,91 |
| E | | | $\mu\text{g/l}$ | | |
| F | 2,53 | 0,05 | $\mu\text{g/l}$ | 94% | -0,68 |
| G | | | $\mu\text{g/l}$ | | |
| H | | | $\mu\text{g/l}$ | | |
| I | 2,69 | 0,37 | $\mu\text{g/l}$ | 100% | 0,00 |
| J | <5 | | $\mu\text{g/l}$ | • | |
| K | 2,82 | | $\mu\text{g/l}$ | 105% | 0,55 |
| L | | | $\mu\text{g/l}$ | | |
| M | 2,6 | 0,4 | $\mu\text{g/l}$ | 97% | -0,38 |
| N | 2,3 | 0,2 | $\mu\text{g/l}$ | 86% | -1,65 |
| O | 2,67 | 0,267 | $\mu\text{g/l}$ | 99% | -0,08 |
| P | 7,7 * | | $\mu\text{g/l}$ | 286% | 21,16 |
| Q | 2,58 | 0,1 | $\mu\text{g/l}$ | 96% | -0,46 |
| R | 2,6 | 0,2 | $\mu\text{g/l}$ | 97% | -0,38 |
| S | 2,51 | 0,38 | $\mu\text{g/l}$ | 93% | -0,76 |
| T | | | $\mu\text{g/l}$ | | |
| U | 2,72 | 0,54 | $\mu\text{g/l}$ | 101% | 0,13 |
| V | 2,5 | 0,4 | $\mu\text{g/l}$ | 93% | -0,80 |
| W | 3,17 * | 0,3 | $\mu\text{g/l}$ | 118% | 2,03 |
| X | 5,672 * | 0,178 | $\mu\text{g/l}$ | 211% | 12,60 |
| Y | 9,46 * | 0,27 | $\mu\text{g/l}$ | 352% | 28,60 |
| Z | | | $\mu\text{g/l}$ | | |
| AA | <3,0 | | $\mu\text{g/l}$ | • | |
| AB | 2,504 | 0,104 | $\mu\text{g/l}$ | 93% | -0,79 |
| AC | <4,0 | | $\mu\text{g/l}$ | • | |

| | All results | Outliers excl. | Unit |
|----------------------|------------------|-----------------|-----------------|
| Mean \pm CI(99%) | 3,33 \pm 1,25 | 2,57 \pm 0,12 | $\mu\text{g/l}$ |
| Recov. \pm CI(99%) | 123,8 \pm 46,6 | 95,7 \pm 4,4 | % |
| SD between labs | 1,96 | 0,16 | $\mu\text{g/l}$ |
| RSD between labs | 58,8 | 6,0 | % |
| n for calculation | 20 | 15 | |

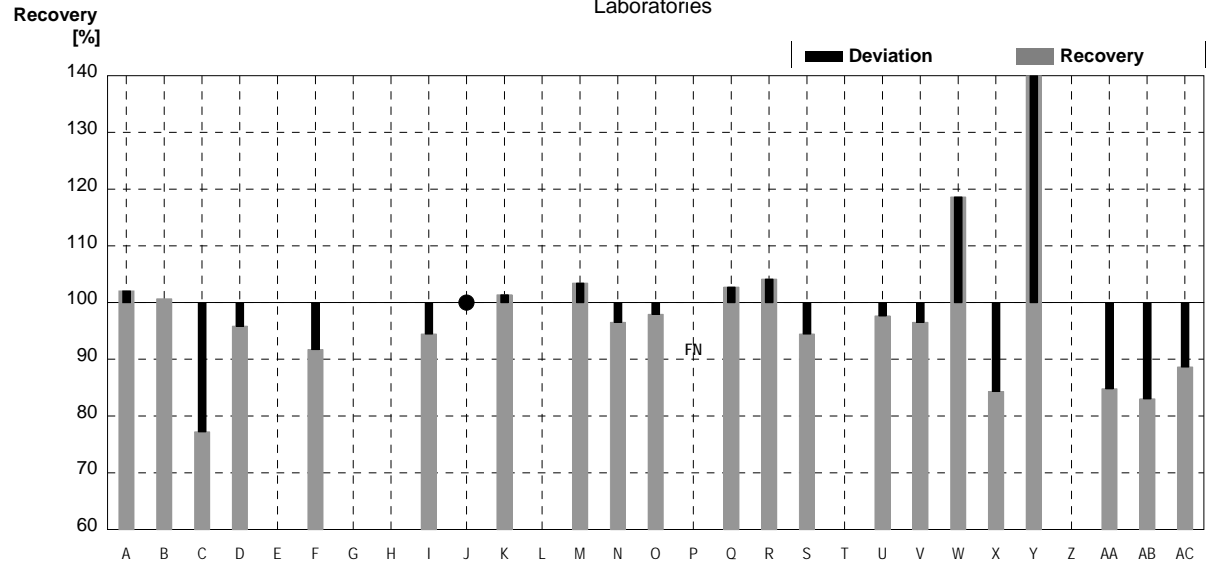
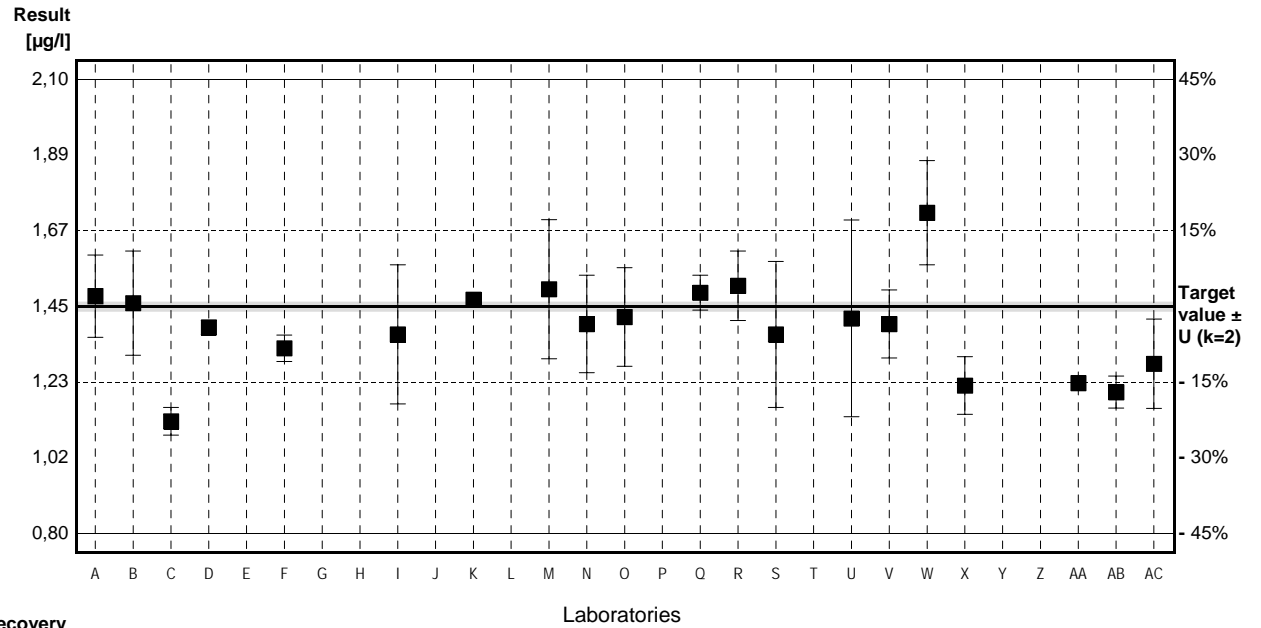


Sample M106A
Parameter Cadmium

Target value $\pm U$ (k=2) 1,45 $\mu\text{g/l}$ \pm 0,01 $\mu\text{g/l}$
 IFA result $\pm U$ (k=2) 1,43 $\mu\text{g/l}$ \pm 0,10 $\mu\text{g/l}$
 Stability test $\pm U$ (k=2) 1,43 $\mu\text{g/l}$ \pm 0,10 $\mu\text{g/l}$

| Lab Code | Result | \pm | Unit | Recovery | z-Score |
|----------|--------|---------|-----------------|----------|---------|
| A | 1,48 | 0,1184 | $\mu\text{g/l}$ | 102% | 0,26 |
| B | 1,46 | 0,15 | $\mu\text{g/l}$ | 101% | 0,09 |
| C | 1,12 | 0,04 | $\mu\text{g/l}$ | 77% | -2,81 |
| D | 1,39 | 0,02 | $\mu\text{g/l}$ | 96% | -0,51 |
| E | | | $\mu\text{g/l}$ | | |
| F | 1,33 | 0,038 | $\mu\text{g/l}$ | 92% | -1,02 |
| G | | | $\mu\text{g/l}$ | | |
| H | | | $\mu\text{g/l}$ | | |
| I | 1,37 | 0,20 | $\mu\text{g/l}$ | 94% | -0,68 |
| J | <2,5 | | $\mu\text{g/l}$ | • | |
| K | 1,47 | | $\mu\text{g/l}$ | 101% | 0,17 |
| L | | | $\mu\text{g/l}$ | | |
| M | 1,5 | 0,2 | $\mu\text{g/l}$ | 103% | 0,43 |
| N | 1,4 | 0,14 | $\mu\text{g/l}$ | 97% | -0,43 |
| O | 1,42 | 0,142 | $\mu\text{g/l}$ | 98% | -0,26 |
| P | [0,5] | | $\mu\text{g/l}$ | FN | |
| Q | 1,49 | 0,05 | $\mu\text{g/l}$ | 103% | 0,34 |
| R | 1,51 | 0,10 | $\mu\text{g/l}$ | 104% | 0,51 |
| S | 1,37 | 0,21 | $\mu\text{g/l}$ | 94% | -0,68 |
| T | | | $\mu\text{g/l}$ | | |
| U | 1,416 | 0,283 | $\mu\text{g/l}$ | 98% | -0,29 |
| V | 1,4 | 0,098 | $\mu\text{g/l}$ | 97% | -0,43 |
| W | 1,72 | 0,15 | $\mu\text{g/l}$ | 119% | 2,30 |
| X | 1,223 | 0,083 | $\mu\text{g/l}$ | 84% | -1,93 |
| Y | 2,59 * | 0,11 | $\mu\text{g/l}$ | 179% | 9,71 |
| Z | | | $\mu\text{g/l}$ | | |
| AA | 1,23 | | $\mu\text{g/l}$ | 85% | -1,87 |
| AB | 1,204 | 0,046 | $\mu\text{g/l}$ | 83% | -2,09 |
| AC | 1,2855 | 0,12855 | $\mu\text{g/l}$ | 89% | -1,40 |

| | All results | Outliers excl. | Unit |
|----------------------|-----------------|-----------------|-----------------|
| Mean \pm CI(99%) | 1,45 \pm 0,18 | 1,39 \pm 0,09 | $\mu\text{g/l}$ |
| Recov. \pm CI(99%) | 99,8 \pm 12,6 | 95,8 \pm 5,9 | % |
| SD between labs | 0,29 | 0,13 | $\mu\text{g/l}$ |
| RSD between labs | 20,2 | 9,7 | % |
| n for calculation | 21 | 20 | |



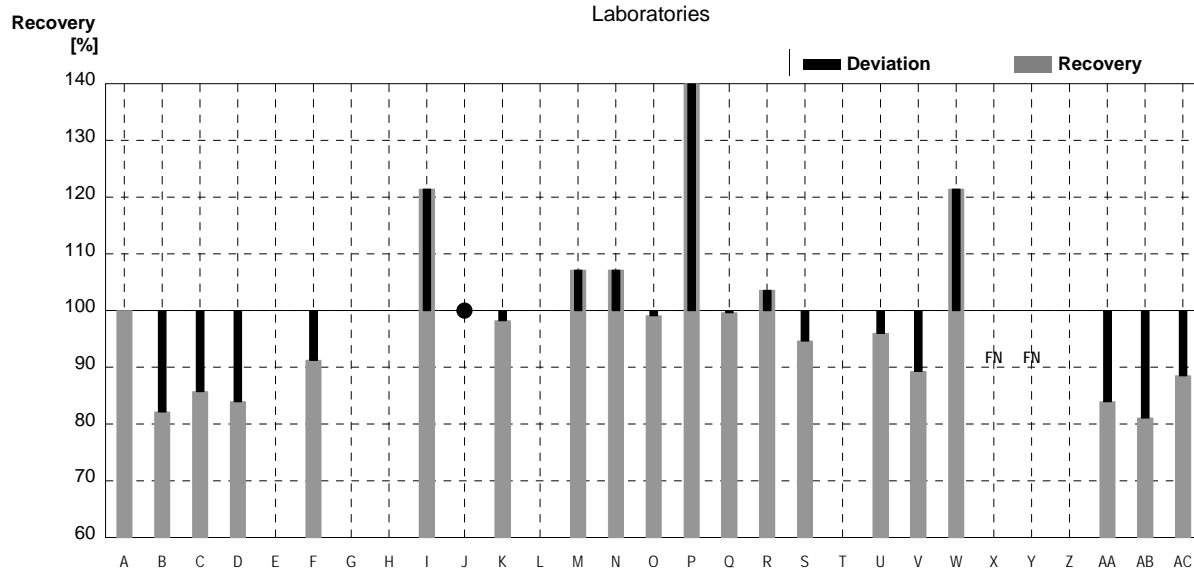
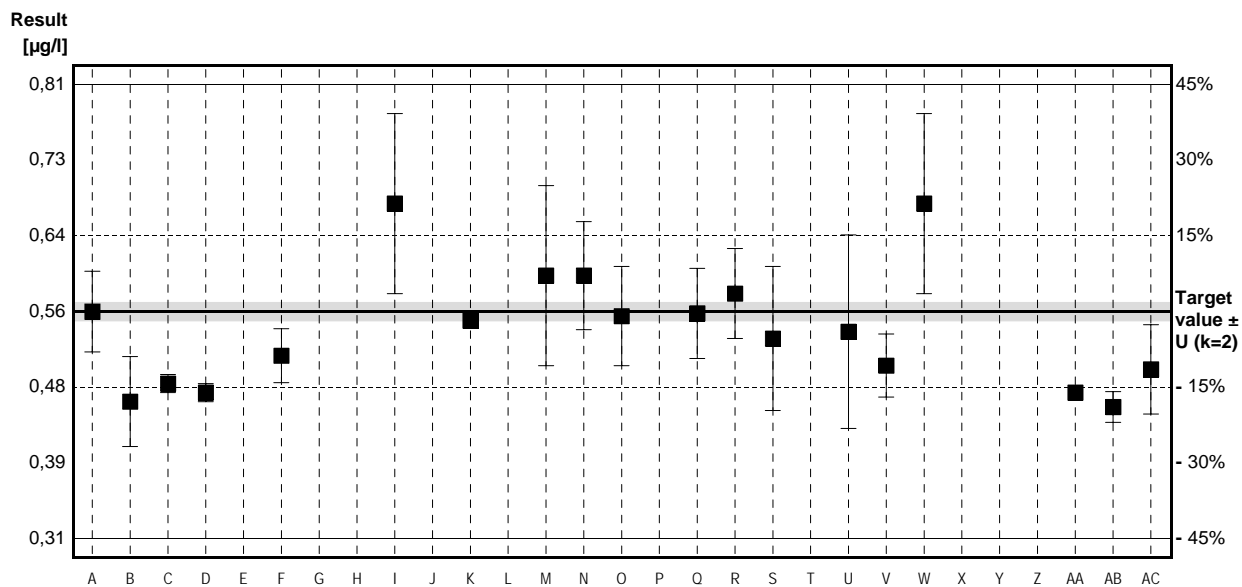
Sample M106B

Parameter Cadmium

Target value ± U (k=2) 0,56 µg/l ± 0,01 µg/l
 IFA result ± U (k=2) 0,55 µg/l ± 0,04 µg/l
 Stability test ± U (k=2) 0,56 µg/l ± 0,04 µg/l

| Lab Code | Result | ± | Unit | Recovery | z-Score |
|----------|---------|---------|------|----------|---------|
| A | 0,56 | 0,0448 | µg/l | 100% | 0,00 |
| B | 0,46 | 0,05 | µg/l | 82% | -2,20 |
| C | 0,48 | 0,01 | µg/l | 86% | -1,76 |
| D | 0,47 | 0,01 | µg/l | 84% | -1,98 |
| E | | | µg/l | | |
| F | 0,511 | 0,030 | µg/l | 91% | -1,08 |
| G | | | µg/l | | |
| H | | | µg/l | | |
| I | 0,68 | 0,10 | µg/l | 121% | 2,65 |
| J | <2,5 | | µg/l | • | |
| K | 0,55 | | µg/l | 98% | -0,22 |
| L | | | µg/l | | |
| M | 0,60 | 0,10 | µg/l | 107% | 0,88 |
| N | 0,6 | 0,06 | µg/l | 107% | 0,88 |
| O | 0,555 | 0,055 | µg/l | 99% | -0,11 |
| P | 1,2 * | | µg/l | 214% | 14,11 |
| Q | 0,558 | 0,05 | µg/l | 100% | -0,04 |
| R | 0,58 | 0,05 | µg/l | 104% | 0,44 |
| S | 0,53 | 0,08 | µg/l | 95% | -0,66 |
| T | | | µg/l | | |
| U | 0,5376 | 0,1075 | µg/l | 96% | -0,49 |
| V | 0,5 | 0,035 | µg/l | 89% | -1,32 |
| W | 0,68 | 0,1 | µg/l | 121% | 2,65 |
| X | [0,020] | | µg/l | FN | |
| Y | <0,5 | | µg/l | FN | |
| Z | | | µg/l | | |
| AA | 0,47 | | µg/l | 84% | -1,98 |
| AB | 0,454 | 0,017 | µg/l | 81% | -2,34 |
| AC | 0,4958 | 0,04958 | µg/l | 89% | -1,42 |

| | All results | Outliers excl. | Unit |
|-------------------|--------------|----------------|------|
| Mean ± CI(99%) | 0,57 ± 0,10 | 0,54 ± 0,04 | µg/l |
| Recov. ± CI(99%) | 102,4 ± 18,4 | 96,5 ± 7,9 | % |
| SD between labs | 0,16 | 0,07 | µg/l |
| RSD between labs | 28,1 | 12,4 | % |
| n for calculation | 20 | 19 | |



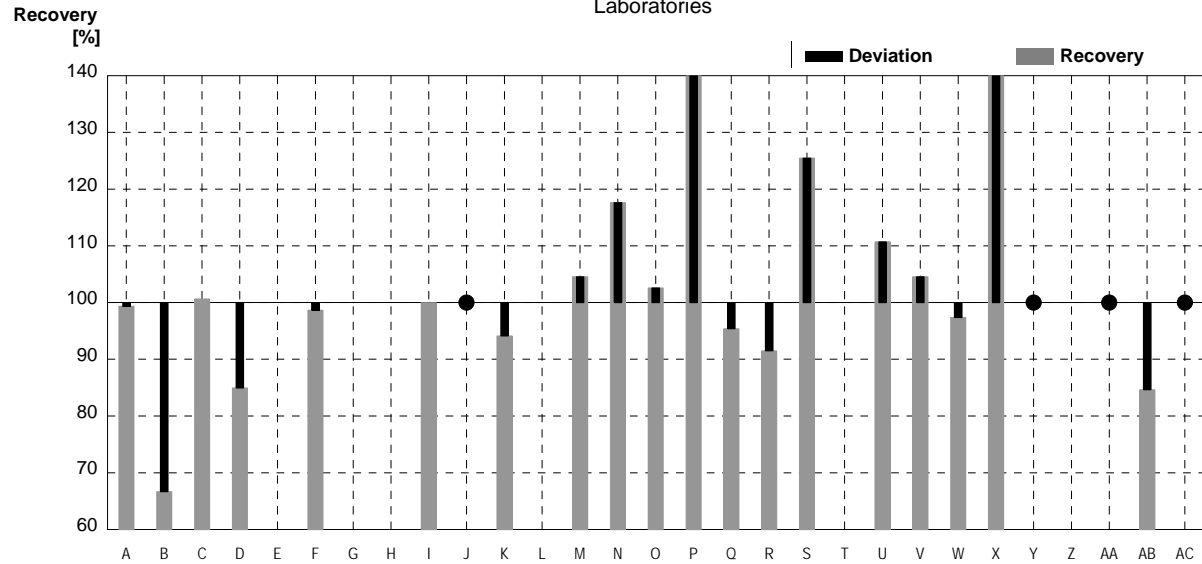
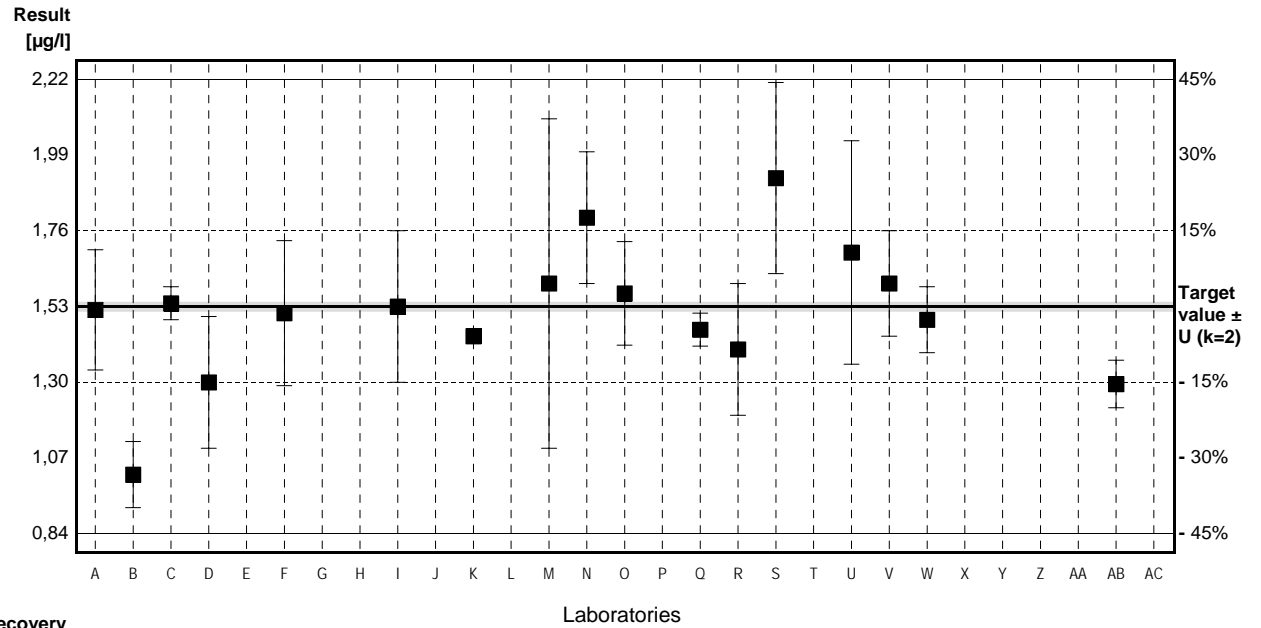
Sample M106A

Parameter Chromium

Target value ± U (k=2) 1,53 µg/l ± 0,01 µg/l
 IFA result ± U (k=2) 1,51 µg/l ± 0,23 µg/l
 Stability test ± U (k=2) 1,51 µg/l ± 0,23 µg/l

| Lab Code | Result | ± | Unit | Recovery | z-Score |
|----------|--------|--------|------|----------|---------|
| A | 1,52 | 0,1824 | µg/l | 99% | -0,08 |
| B | 1,02 * | 0,10 | µg/l | 67% | -4,22 |
| C | 1,54 | 0,05 | µg/l | 101% | 0,08 |
| D | 1,3 | 0,2 | µg/l | 85% | -1,90 |
| E | | | µg/l | | |
| F | 1,51 | 0,22 | µg/l | 99% | -0,17 |
| G | | | µg/l | | |
| H | | | µg/l | | |
| I | 1,53 | 0,23 | µg/l | 100% | 0,00 |
| J | <2,5 | | µg/l | • | |
| K | 1,44 | | µg/l | 94% | -0,74 |
| L | | | µg/l | | |
| M | 1,6 | 0,5 | µg/l | 105% | 0,58 |
| N | 1,8 | 0,2 | µg/l | 118% | 2,23 |
| O | 1,57 | 0,157 | µg/l | 103% | 0,33 |
| P | 7,6 * | | µg/l | 497% | 50,22 |
| Q | 1,46 | 0,05 | µg/l | 95% | -0,58 |
| R | 1,4 | 0,2 | µg/l | 92% | -1,08 |
| S | 1,92 | 0,29 | µg/l | 125% | 3,23 |
| T | | | µg/l | | |
| U | 1,694 | 0,339 | µg/l | 111% | 1,36 |
| V | 1,6 | 0,16 | µg/l | 105% | 0,58 |
| W | 1,49 | 0,1 | µg/l | 97% | -0,33 |
| X | 7,2 * | 3,6 | µg/l | 471% | 46,91 |
| Y | <5 | | µg/l | • | |
| Z | | | µg/l | | |
| AA | <3,0 | | µg/l | • | |
| AB | 1,295 | 0,072 | µg/l | 85% | -1,94 |
| AC | <3,0 | | µg/l | • | |

| | All results | Outliers excl. | Unit |
|-------------------|--------------|----------------|------|
| Mean ± CI(99%) | 2,13 ± 1,23 | 1,54 ± 0,12 | µg/l |
| Recov. ± CI(99%) | 139,3 ± 80,7 | 100,8 ± 7,9 | % |
| SD between labs | 1,87 | 0,16 | µg/l |
| RSD between labs | 87,6 | 10,6 | % |
| n for calculation | 19 | 16 | |



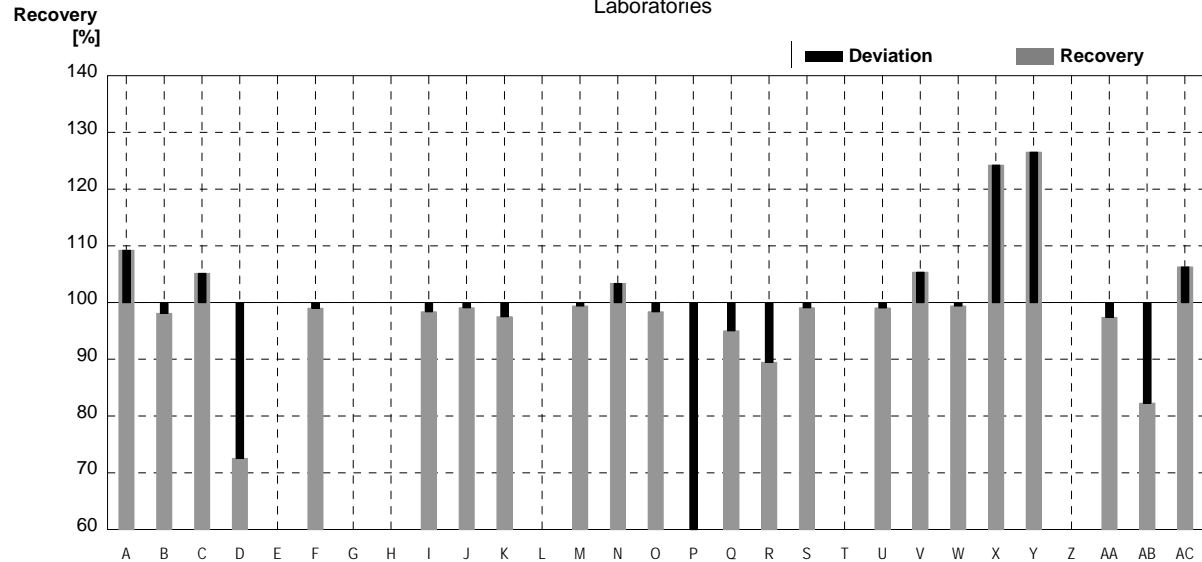
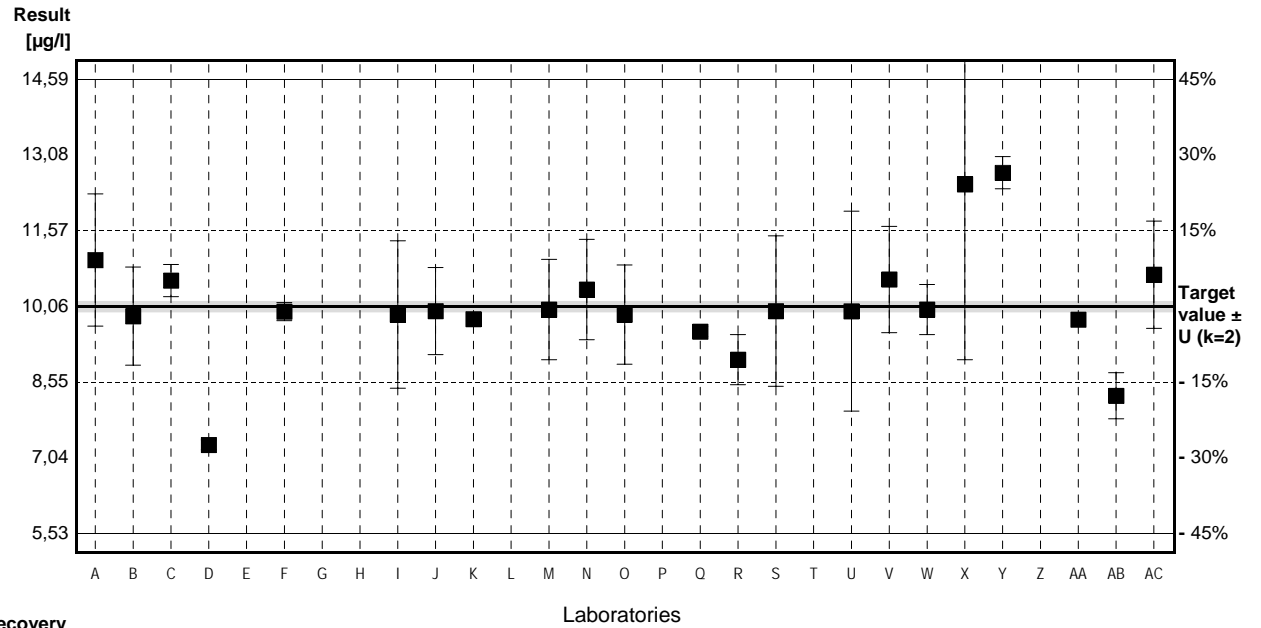
Sample M106B

Parameter Chromium

Target value $\pm U$ (k=2) 10,06 $\mu\text{g/l}$ \pm 0,10 $\mu\text{g/l}$
 IFA result $\pm U$ (k=2) 9,96 $\mu\text{g/l}$ \pm 1,49 $\mu\text{g/l}$
 Stability test $\pm U$ (k=2) 9,99 $\mu\text{g/l}$ \pm 1,50 $\mu\text{g/l}$

| Lab Code | Result | \pm | Unit | Recovery | z-Score |
|----------|--------|--------|-----------------|----------|---------|
| A | 10,99 | 1,3188 | $\mu\text{g/l}$ | 109% | 1,17 |
| B | 9,87 | 0,98 | $\mu\text{g/l}$ | 98% | -0,24 |
| C | 10,58 | 0,32 | $\mu\text{g/l}$ | 105% | 0,65 |
| D | 7,3 | 0,1 | $\mu\text{g/l}$ | 73% | -3,47 |
| E | | | $\mu\text{g/l}$ | | |
| F | 9,96 | 0,18 | $\mu\text{g/l}$ | 99% | -0,13 |
| G | | | $\mu\text{g/l}$ | | |
| H | | | $\mu\text{g/l}$ | | |
| I | 9,90 | 1,47 | $\mu\text{g/l}$ | 98% | -0,20 |
| J | 9,97 | 0,87 | $\mu\text{g/l}$ | 99% | -0,11 |
| K | 9,81 | | $\mu\text{g/l}$ | 98% | -0,31 |
| L | | | $\mu\text{g/l}$ | | |
| M | 10 | 1 | $\mu\text{g/l}$ | 99% | -0,08 |
| N | 10,4 | 1,0 | $\mu\text{g/l}$ | 103% | 0,43 |
| O | 9,90 | 0,990 | $\mu\text{g/l}$ | 98% | -0,20 |
| P | 1,1 | * | $\mu\text{g/l}$ | 11% | -11,27 |
| Q | 9,56 | 0,1 | $\mu\text{g/l}$ | 95% | -0,63 |
| R | 9,0 | 0,5 | $\mu\text{g/l}$ | 89% | -1,33 |
| S | 9,97 | 1,50 | $\mu\text{g/l}$ | 99% | -0,11 |
| T | | | $\mu\text{g/l}$ | | |
| U | 9,968 | 1,994 | $\mu\text{g/l}$ | 99% | -0,12 |
| V | 10,6 | 1,06 | $\mu\text{g/l}$ | 105% | 0,68 |
| W | 10,0 | 0,5 | $\mu\text{g/l}$ | 99% | -0,08 |
| X | 12,5 | 3,5 | $\mu\text{g/l}$ | 124% | 3,07 |
| Y | 12,73 | 0,32 | $\mu\text{g/l}$ | 127% | 3,36 |
| Z | | | $\mu\text{g/l}$ | | |
| AA | 9,8 | | $\mu\text{g/l}$ | 97% | -0,33 |
| AB | 8,279 | 0,459 | $\mu\text{g/l}$ | 82% | -2,24 |
| AC | 10,695 | 1,0695 | $\mu\text{g/l}$ | 106% | 0,80 |

| | All results | Outliers excl. | Unit |
|----------------------|-----------------|-----------------|-----------------|
| Mean \pm CI(99%) | 9,69 \pm 1,28 | 9,96 \pm 0,40 | $\mu\text{g/l}$ |
| Recov. \pm CI(99%) | 96,3 \pm 12,7 | 99,0 \pm 4,0 | % |
| SD between labs | 2,18 | 0,60 | $\mu\text{g/l}$ |
| RSD between labs | 22,5 | 6,1 | % |
| n for calculation | 23 | 19 | |



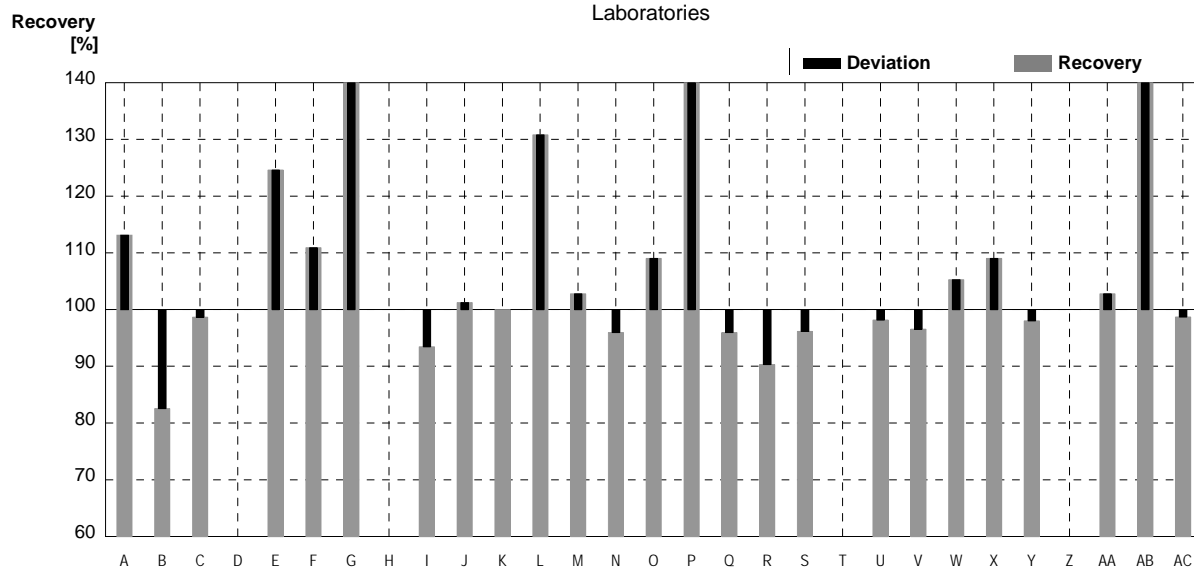
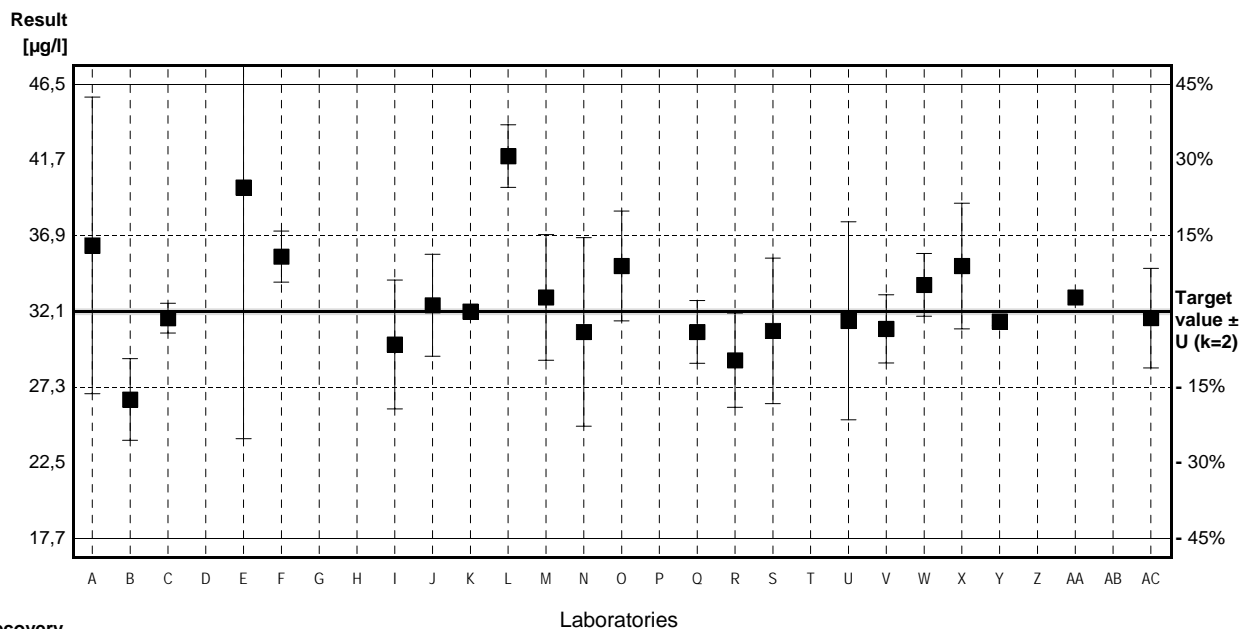
Sample M106A

Parameter Iron

Target value ± U (k=2) 32,1 µg/l ± 0,2 µg/l
 IFA result ± U (k=2) 32,4 µg/l ± 2,6 µg/l
 Stability test ± U (k=2) 31,5 µg/l ± 2,5 µg/l

| Lab Code | Result | ± | Unit | Recovery | z-Score |
|----------|---------|--------|------|----------|---------|
| A | 36,31 | 9,4406 | µg/l | 113% | 1,31 |
| B | 26,5 | 2,6 | µg/l | 83% | -1,74 |
| C | 31,68 | 0,95 | µg/l | 99% | -0,13 |
| D | | | µg/l | | |
| E | 40 | 16 | µg/l | 125% | 2,46 |
| F | 35,6 | 1,63 | µg/l | 111% | 1,09 |
| G | 51 * | 5 | µg/l | 159% | 5,89 |
| H | | | µg/l | | |
| I | 30,0 | 4,10 | µg/l | 93% | -0,65 |
| J | 32,5 | 3,25 | µg/l | 101% | 0,12 |
| K | 32,1 | | µg/l | 100% | 0,00 |
| L | 42 * | 2 | µg/l | 131% | 3,08 |
| M | 33 | 4 | µg/l | 103% | 0,28 |
| N | 30,8 | 6,0 | µg/l | 96% | -0,40 |
| O | 35,0 | 3,50 | µg/l | 109% | 0,90 |
| P | 50,1 * | | µg/l | 156% | 5,61 |
| Q | 30,8 | 2 | µg/l | 96% | -0,40 |
| R | 29 | 3 | µg/l | 90% | -0,97 |
| S | 30,87 | 4,63 | µg/l | 96% | -0,38 |
| T | | | µg/l | | |
| U | 31,51 | 6,30 | µg/l | 98% | -0,18 |
| V | 31,0 | 2,17 | µg/l | 97% | -0,34 |
| W | 33,8 | 2 | µg/l | 105% | 0,53 |
| X | 35 | 4 | µg/l | 109% | 0,90 |
| Y | 31,47 | 0,28 | µg/l | 98% | -0,20 |
| Z | | | µg/l | | |
| AA | 33 | | µg/l | 103% | 0,28 |
| AB | 52,68 * | 3,124 | µg/l | 164% | 6,41 |
| AC | 31,6833 | 3,1683 | µg/l | 99% | -0,13 |

| | All results | Outliers excl. | Unit |
|-------------------|--------------|----------------|------|
| Mean ± CI(99%) | 35,1 ± 3,9 | 32,5 ± 1,8 | µg/l |
| Recov. ± CI(99%) | 109,3 ± 12,0 | 101,1 ± 5,5 | % |
| SD between labs | 6,9 | 2,9 | µg/l |
| RSD between labs | 19,7 | 8,8 | % |
| n for calculation | 25 | 21 | |



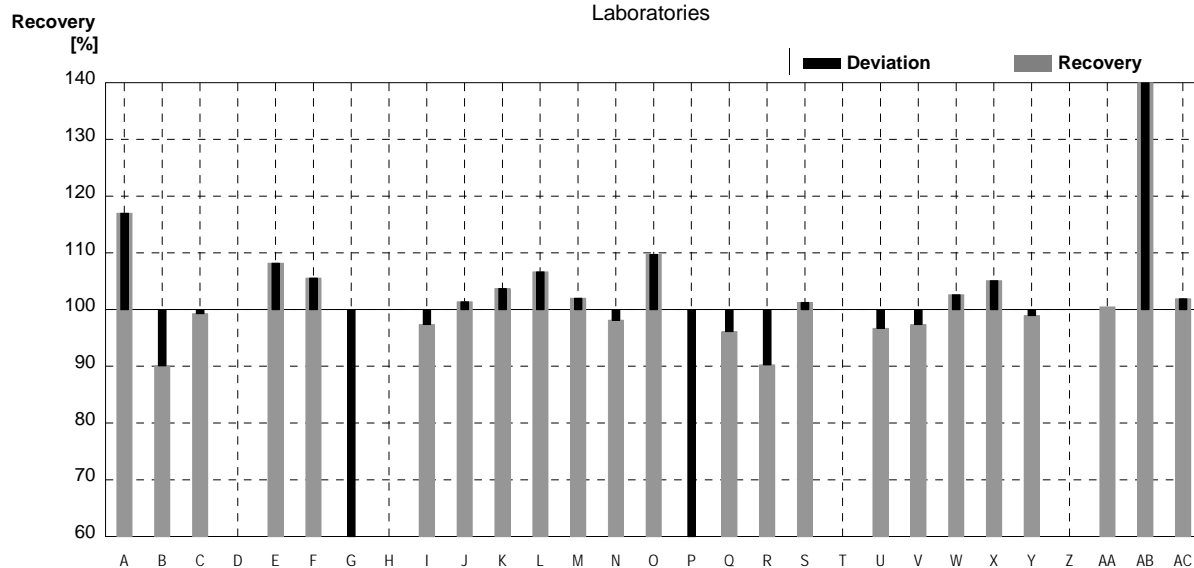
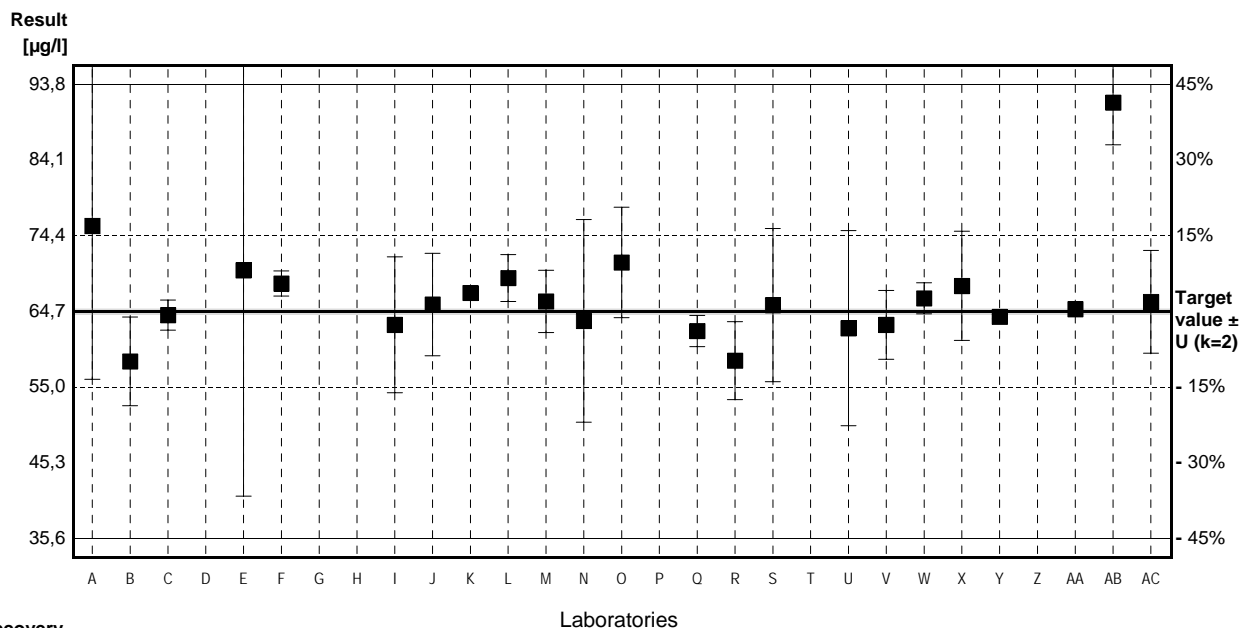
Sample M106B

Parameter Iron

Target value $\pm U$ (k=2) 64,7 $\mu\text{g/l}$ \pm 0,3 $\mu\text{g/l}$
 IFA result $\pm U$ (k=2) 63,6 $\mu\text{g/l}$ \pm 5,1 $\mu\text{g/l}$
 Stability test $\pm U$ (k=2) 63,0 $\mu\text{g/l}$ \pm 5,0 $\mu\text{g/l}$

| Lab Code | Result | \pm | Unit | Recovery | z-Score |
|----------|---------|---------|-----------------|----------|---------|
| A | 75,69 | 19,6794 | $\mu\text{g/l}$ | 117% | 1,70 |
| B | 58,3 | 5,7 | $\mu\text{g/l}$ | 90% | -0,99 |
| C | 64,25 | 1,93 | $\mu\text{g/l}$ | 99% | -0,07 |
| D | | | $\mu\text{g/l}$ | | |
| E | 70 | 29 | $\mu\text{g/l}$ | 108% | 0,82 |
| F | 68,3 | 1,62 | $\mu\text{g/l}$ | 106% | 0,56 |
| G | 22 * | 2 | $\mu\text{g/l}$ | 34% | -6,60 |
| H | | | $\mu\text{g/l}$ | | |
| I | 63,0 | 8,72 | $\mu\text{g/l}$ | 97% | -0,26 |
| J | 65,6 | 6,57 | $\mu\text{g/l}$ | 101% | 0,14 |
| K | 67,1 | | $\mu\text{g/l}$ | 104% | 0,37 |
| L | 69 | 3 | $\mu\text{g/l}$ | 107% | 0,66 |
| M | 66 | 4 | $\mu\text{g/l}$ | 102% | 0,20 |
| N | 63,5 | 13,0 | $\mu\text{g/l}$ | 98% | -0,19 |
| O | 71,0 | 7,10 | $\mu\text{g/l}$ | 110% | 0,97 |
| P | 21,0 * | | $\mu\text{g/l}$ | 32% | -6,75 |
| Q | 62,2 | 2 | $\mu\text{g/l}$ | 96% | -0,39 |
| R | 58,4 | 5,0 | $\mu\text{g/l}$ | 90% | -0,97 |
| S | 65,53 | 9,83 | $\mu\text{g/l}$ | 101% | 0,13 |
| T | | | $\mu\text{g/l}$ | | |
| U | 62,57 | 12,51 | $\mu\text{g/l}$ | 97% | -0,33 |
| V | 63,0 | 4,41 | $\mu\text{g/l}$ | 97% | -0,26 |
| W | 66,4 | 2 | $\mu\text{g/l}$ | 103% | 0,26 |
| X | 68 | 7 | $\mu\text{g/l}$ | 105% | 0,51 |
| Y | 64,03 | 0,28 | $\mu\text{g/l}$ | 99% | -0,10 |
| Z | | | $\mu\text{g/l}$ | | |
| AA | 65 | | $\mu\text{g/l}$ | 100% | 0,05 |
| AB | 91,53 * | 5,428 | $\mu\text{g/l}$ | 141% | 4,15 |
| AC | 65,955 | 6,5955 | $\mu\text{g/l}$ | 102% | 0,19 |

| | All results | Outliers excl. | Unit |
|----------------------|-----------------|-----------------|-----------------|
| Mean \pm CI(99%) | 63,1 \pm 7,9 | 65,6 \pm 2,4 | $\mu\text{g/l}$ |
| Recov. \pm CI(99%) | 97,5 \pm 12,2 | 101,4 \pm 3,7 | % |
| SD between labs | 14,0 | 3,9 | $\mu\text{g/l}$ |
| RSD between labs | 22,3 | 6,0 | % |
| n for calculation | 25 | 22 | |



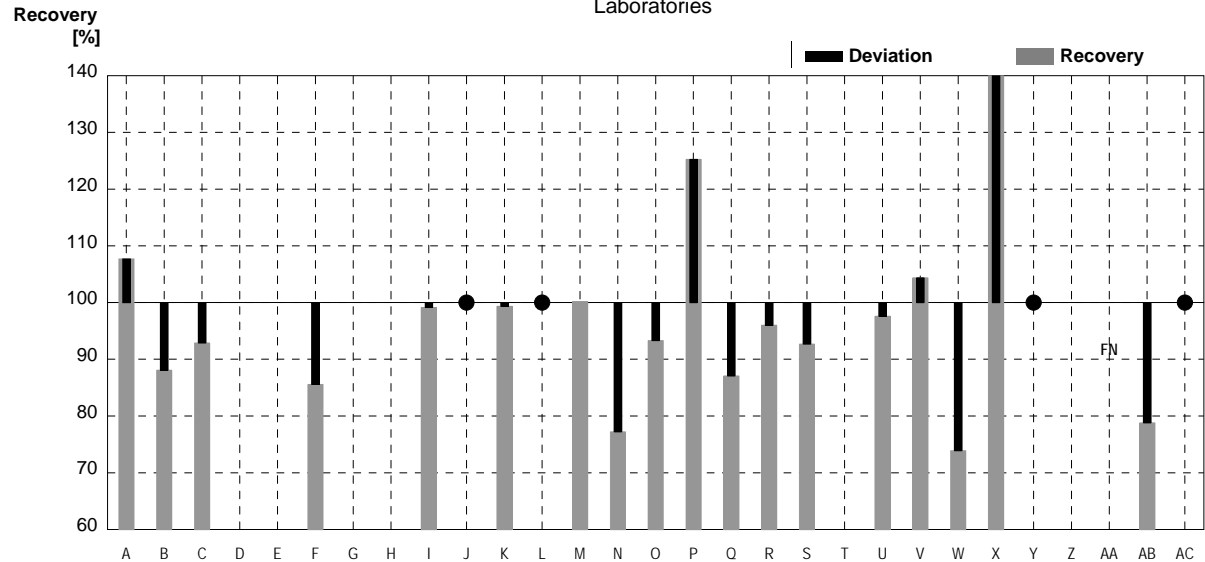
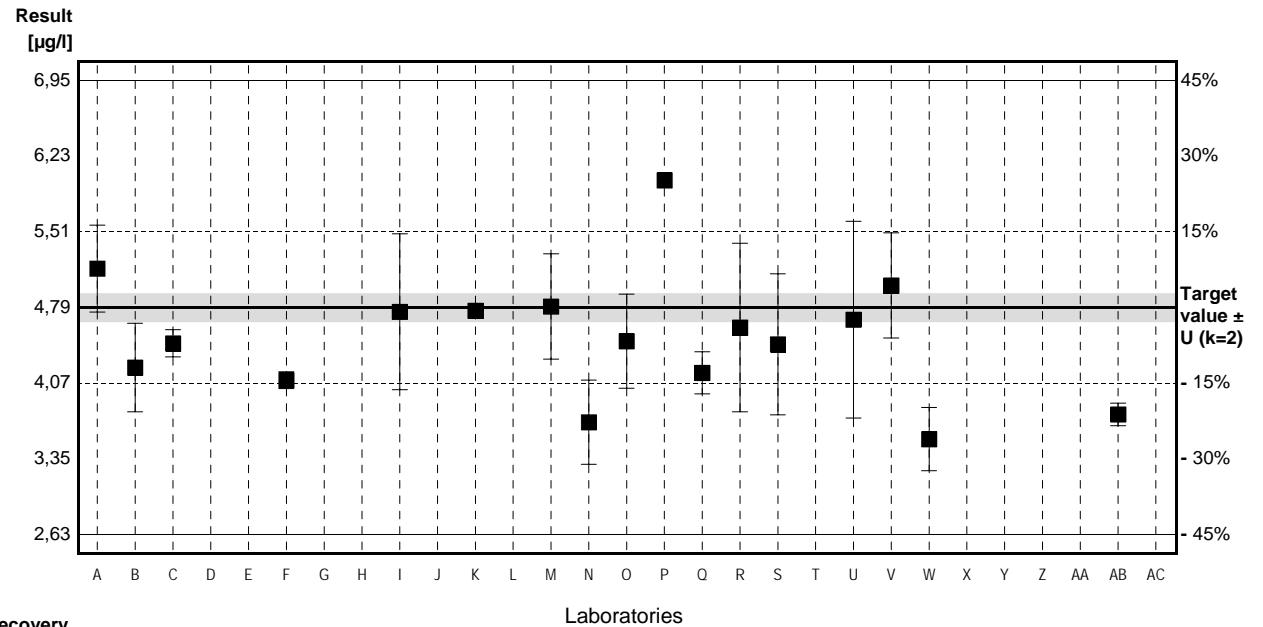
Sample M106A

Parameter Copper

Target value $\pm U$ (k=2) 4,79 $\mu\text{g/l}$ \pm 0,13 $\mu\text{g/l}$
 IFA result $\pm U$ (k=2) 4,79 $\mu\text{g/l}$ \pm 0,38 $\mu\text{g/l}$
 Stability test $\pm U$ (k=2) 4,69 $\mu\text{g/l}$ \pm 0,38 $\mu\text{g/l}$

| Lab Code | Result | \pm | Unit | Recovery | z-Score |
|----------|---------|--------|-----------------|----------|---------|
| A | 5,16 | 0,4128 | $\mu\text{g/l}$ | 108% | 0,91 |
| B | 4,22 | 0,42 | $\mu\text{g/l}$ | 88% | -1,40 |
| C | 4,45 | 0,13 | $\mu\text{g/l}$ | 93% | -0,84 |
| D | | | $\mu\text{g/l}$ | | |
| E | | | $\mu\text{g/l}$ | | |
| F | 4,10 | 0,08 | $\mu\text{g/l}$ | 86% | -1,69 |
| G | | | $\mu\text{g/l}$ | | |
| H | | | $\mu\text{g/l}$ | | |
| I | 4,75 | 0,74 | $\mu\text{g/l}$ | 99% | -0,10 |
| J | <5 | | $\mu\text{g/l}$ | • | |
| K | 4,76 | | $\mu\text{g/l}$ | 99% | -0,07 |
| L | <10 | | $\mu\text{g/l}$ | • | |
| M | 4,8 | 0,5 | $\mu\text{g/l}$ | 100% | 0,02 |
| N | 3,7 | 0,4 | $\mu\text{g/l}$ | 77% | -2,68 |
| O | 4,47 | 0,447 | $\mu\text{g/l}$ | 93% | -0,79 |
| P | 6,0 | | $\mu\text{g/l}$ | 125% | 2,97 |
| Q | 4,17 | 0,2 | $\mu\text{g/l}$ | 87% | -1,52 |
| R | 4,6 | 0,8 | $\mu\text{g/l}$ | 96% | -0,47 |
| S | 4,44 | 0,67 | $\mu\text{g/l}$ | 93% | -0,86 |
| T | | | $\mu\text{g/l}$ | | |
| U | 4,675 | 0,935 | $\mu\text{g/l}$ | 98% | -0,28 |
| V | 5,0 | 0,50 | $\mu\text{g/l}$ | 104% | 0,52 |
| W | 3,54 | 0,3 | $\mu\text{g/l}$ | 74% | -3,07 |
| X | 7,108 * | 0,749 | $\mu\text{g/l}$ | 148% | 5,69 |
| Y | <10 | | $\mu\text{g/l}$ | • | |
| Z | | | $\mu\text{g/l}$ | | |
| AA | <3,0 | | $\mu\text{g/l}$ | FN | |
| AB | 3,775 | 0,107 | $\mu\text{g/l}$ | 79% | -2,49 |
| AC | <10,0 | | $\mu\text{g/l}$ | • | |

| | All results | Outliers excl. | Unit |
|----------------------|-----------------|-----------------|-----------------|
| Mean \pm CI(99%) | 4,65 \pm 0,57 | 4,51 \pm 0,42 | $\mu\text{g/l}$ |
| Recov. \pm CI(99%) | 97,1 \pm 12,0 | 94,1 \pm 8,8 | % |
| SD between labs | 0,84 | 0,59 | $\mu\text{g/l}$ |
| RSD between labs | 18,1 | 13,2 | % |
| n for calculation | 18 | 17 | |

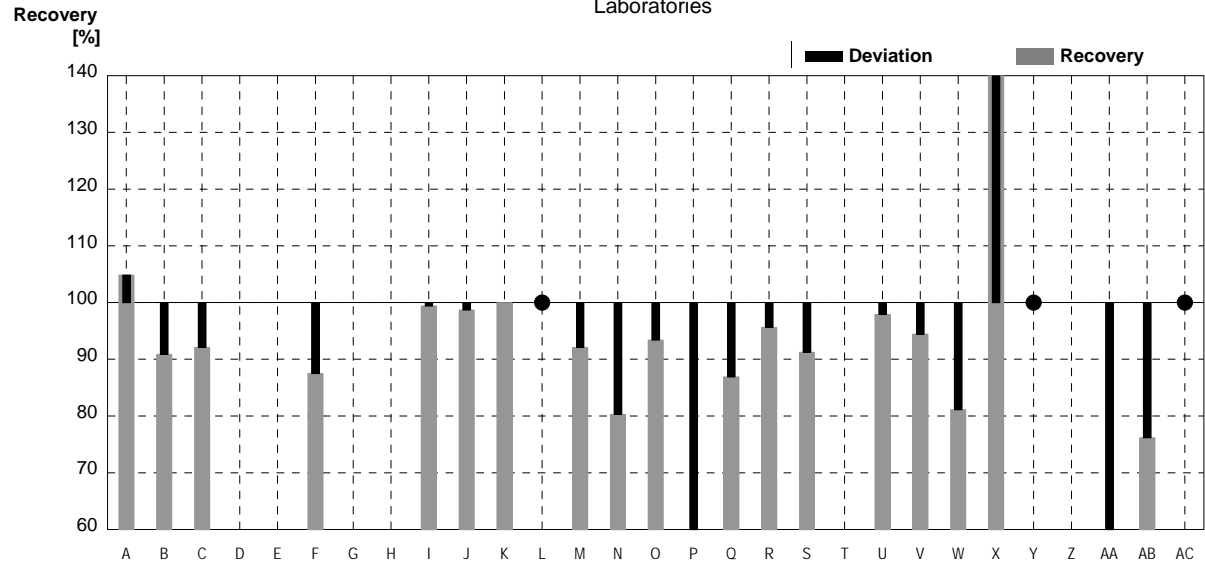
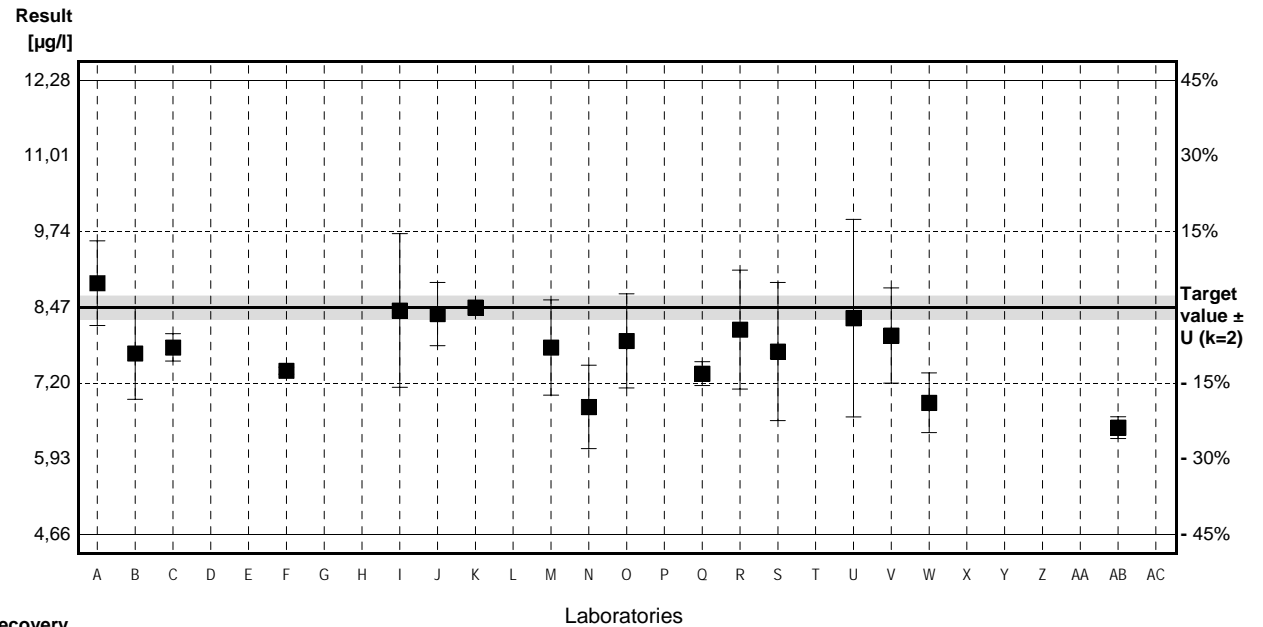


Sample M106B Parameter Copper

Target value $\pm U$ (k=2) 8,47 $\mu\text{g/l}$ \pm 0,19 $\mu\text{g/l}$
 IFA result $\pm U$ (k=2) 8,19 $\mu\text{g/l}$ \pm 0,66 $\mu\text{g/l}$
 Stability test $\pm U$ (k=2) 8,25 $\mu\text{g/l}$ \pm 0,66 $\mu\text{g/l}$

| Lab Code | Result | \pm | Unit | Recovery | z-Score |
|----------|----------|--------|-----------------|----------|---------|
| A | 8,88 | 0,7104 | $\mu\text{g/l}$ | 105% | 0,57 |
| B | 7,70 | 0,77 | $\mu\text{g/l}$ | 91% | -1,07 |
| C | 7,80 | 0,23 | $\mu\text{g/l}$ | 92% | -0,93 |
| D | | | $\mu\text{g/l}$ | | |
| E | | | $\mu\text{g/l}$ | | |
| F | 7,41 | 0,06 | $\mu\text{g/l}$ | 87% | -1,47 |
| G | | | $\mu\text{g/l}$ | | |
| H | | | $\mu\text{g/l}$ | | |
| I | 8,42 | 1,29 | $\mu\text{g/l}$ | 99% | -0,07 |
| J | 8,36 | 0,53 | $\mu\text{g/l}$ | 99% | -0,15 |
| K | 8,47 | | $\mu\text{g/l}$ | 100% | 0,00 |
| L | <10 | | $\mu\text{g/l}$ | • | |
| M | 7,8 | 0,8 | $\mu\text{g/l}$ | 92% | -0,93 |
| N | 6,8 | 0,7 | $\mu\text{g/l}$ | 80% | -2,32 |
| O | 7,91 | 0,791 | $\mu\text{g/l}$ | 93% | -0,78 |
| P | 3,2 * | | $\mu\text{g/l}$ | 38% | -7,32 |
| Q | 7,36 | 0,2 | $\mu\text{g/l}$ | 87% | -1,54 |
| R | 8,1 | 1,0 | $\mu\text{g/l}$ | 96% | -0,51 |
| S | 7,73 | 1,16 | $\mu\text{g/l}$ | 91% | -1,03 |
| T | | | $\mu\text{g/l}$ | | |
| U | 8,292 | 1,658 | $\mu\text{g/l}$ | 98% | -0,25 |
| V | 8,0 | 0,80 | $\mu\text{g/l}$ | 94% | -0,65 |
| W | 6,87 | 0,5 | $\mu\text{g/l}$ | 81% | -2,22 |
| X | 12,672 * | 0,910 | $\mu\text{g/l}$ | 150% | 5,84 |
| Y | <10 | | $\mu\text{g/l}$ | • | |
| Z | | | $\mu\text{g/l}$ | | |
| AA | 3,0 * | | $\mu\text{g/l}$ | 35% | -7,60 |
| AB | 6,453 | 0,183 | $\mu\text{g/l}$ | 76% | -2,80 |
| AC | <10,0 | | $\mu\text{g/l}$ | • | |

| | All results | Outliers excl. | Unit |
|----------------------|-----------------|-----------------|-----------------|
| Mean \pm CI(99%) | 7,56 \pm 1,26 | 7,79 \pm 0,46 | $\mu\text{g/l}$ |
| Recov. \pm CI(99%) | 89,3 \pm 14,9 | 91,9 \pm 5,4 | % |
| SD between labs | 1,97 | 0,65 | $\mu\text{g/l}$ |
| RSD between labs | 26,0 | 8,3 | % |
| n for calculation | 20 | 17 | |



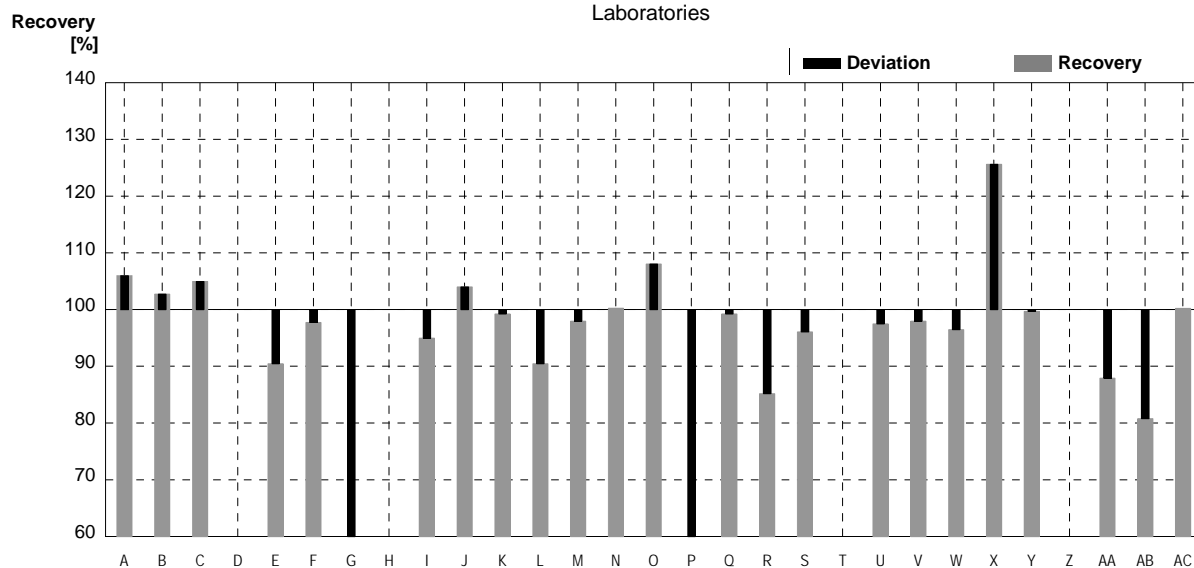
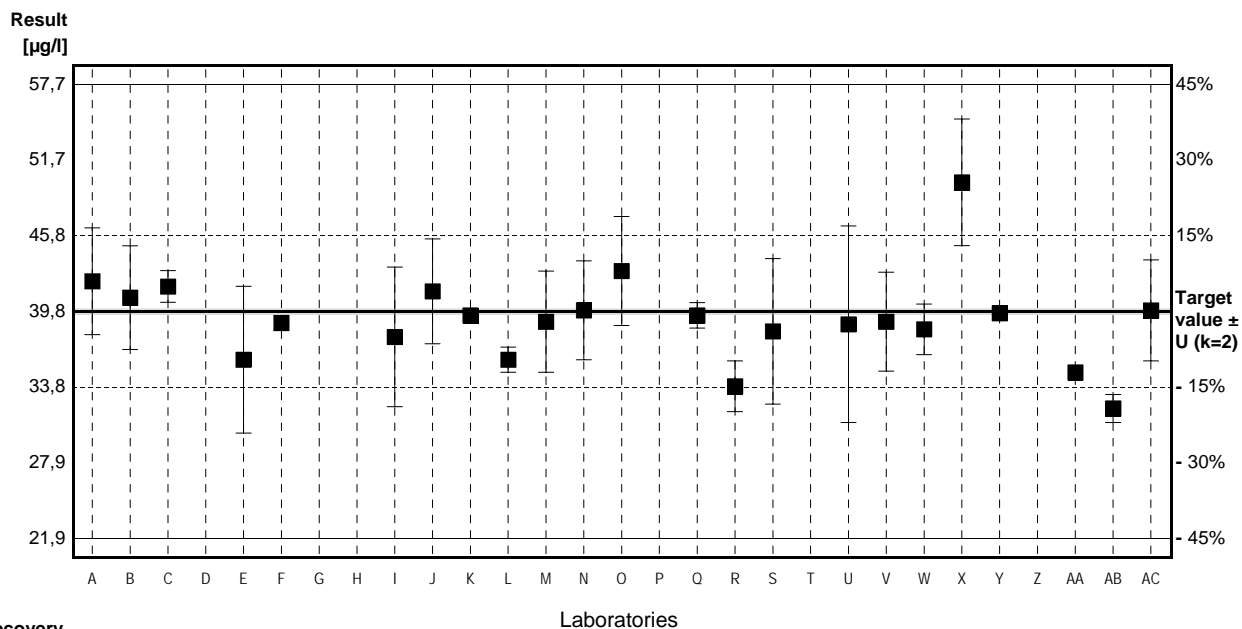
Sample M106A

Parameter Manganese

Target value ± U (k=2) 39,8 µg/l ± 0,2 µg/l
 IFA result ± U (k=2) 38,8 µg/l ± 3,1 µg/l
 Stability test ± U (k=2) 39,7 µg/l ± 3,2 µg/l

| Lab Code | Result | ± | Unit | Recovery | z-Score |
|----------|--------|-------|------|----------|---------|
| A | 42,19 | 4,219 | µg/l | 106% | 0,81 |
| B | 40,9 | 4,09 | µg/l | 103% | 0,37 |
| C | 41,78 | 1,25 | µg/l | 105% | 0,67 |
| D | | | µg/l | | |
| E | 36 | 5,8 | µg/l | 90% | -1,29 |
| F | 38,9 | 0,56 | µg/l | 98% | -0,31 |
| G | 13 * | 3 | µg/l | 33% | -9,10 |
| H | | | µg/l | | |
| I | 37,8 | 5,51 | µg/l | 95% | -0,68 |
| J | 41,4 | 4,14 | µg/l | 104% | 0,54 |
| K | 39,5 | | µg/l | 99% | -0,10 |
| L | 36 | 1 | µg/l | 90% | -1,29 |
| M | 39 | 4 | µg/l | 98% | -0,27 |
| N | 39,9 | 3,9 | µg/l | 100% | 0,03 |
| O | 43,0 | 4,30 | µg/l | 108% | 1,09 |
| P | 10,3 * | | µg/l | 26% | -10,02 |
| Q | 39,5 | 1 | µg/l | 99% | -0,10 |
| R | 33,9 | 2,0 | µg/l | 85% | -2,00 |
| S | 38,24 | 5,74 | µg/l | 96% | -0,53 |
| T | | | µg/l | | |
| U | 38,80 | 7,76 | µg/l | 97% | -0,34 |
| V | 39,0 | 3,90 | µg/l | 98% | -0,27 |
| W | 38,4 | 2 | µg/l | 96% | -0,48 |
| X | 50 * | 5 | µg/l | 126% | 3,46 |
| Y | 39,68 | 0,07 | µg/l | 100% | -0,04 |
| Z | | | µg/l | | |
| AA | 35 | | µg/l | 88% | -1,63 |
| AB | 32,15 | 1,106 | µg/l | 81% | -2,60 |
| AC | 39,89 | 3,989 | µg/l | 100% | 0,03 |

| | All results | Outliers excl. | Unit |
|-------------------|-------------|----------------|------|
| Mean ± CI(99%) | 37,0 ± 4,7 | 38,7 ± 1,6 | µg/l |
| Recov. ± CI(99%) | 92,9 ± 11,7 | 97,2 ± 4,1 | % |
| SD between labs | 8,3 | 2,7 | µg/l |
| RSD between labs | 22,6 | 7,0 | % |
| n for calculation | 25 | 22 | |



Sample M106B

Parameter Manganese

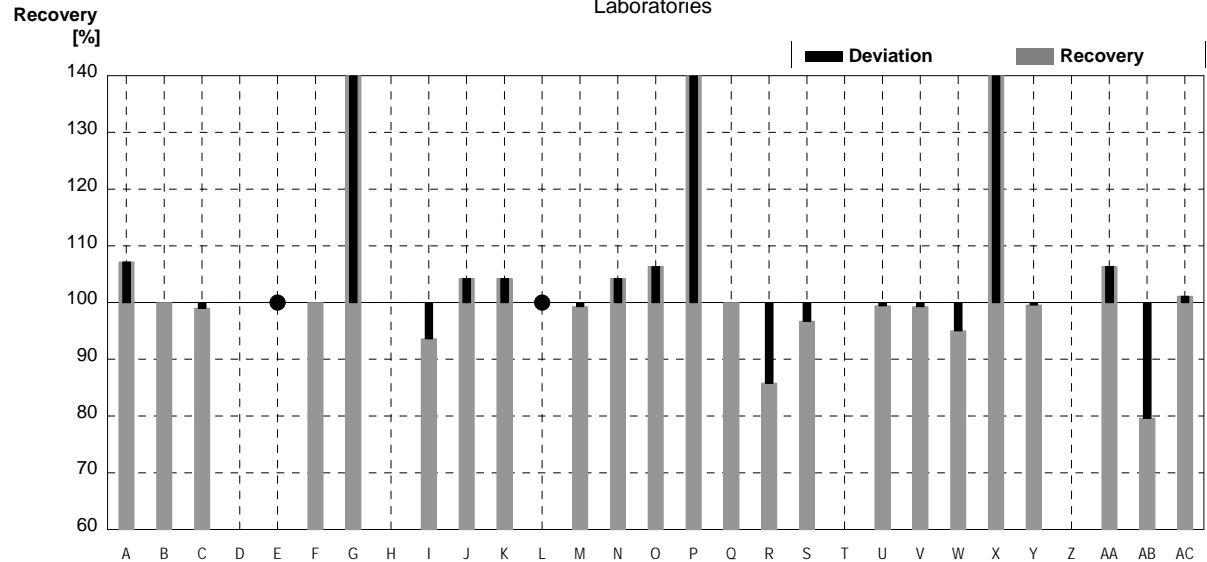
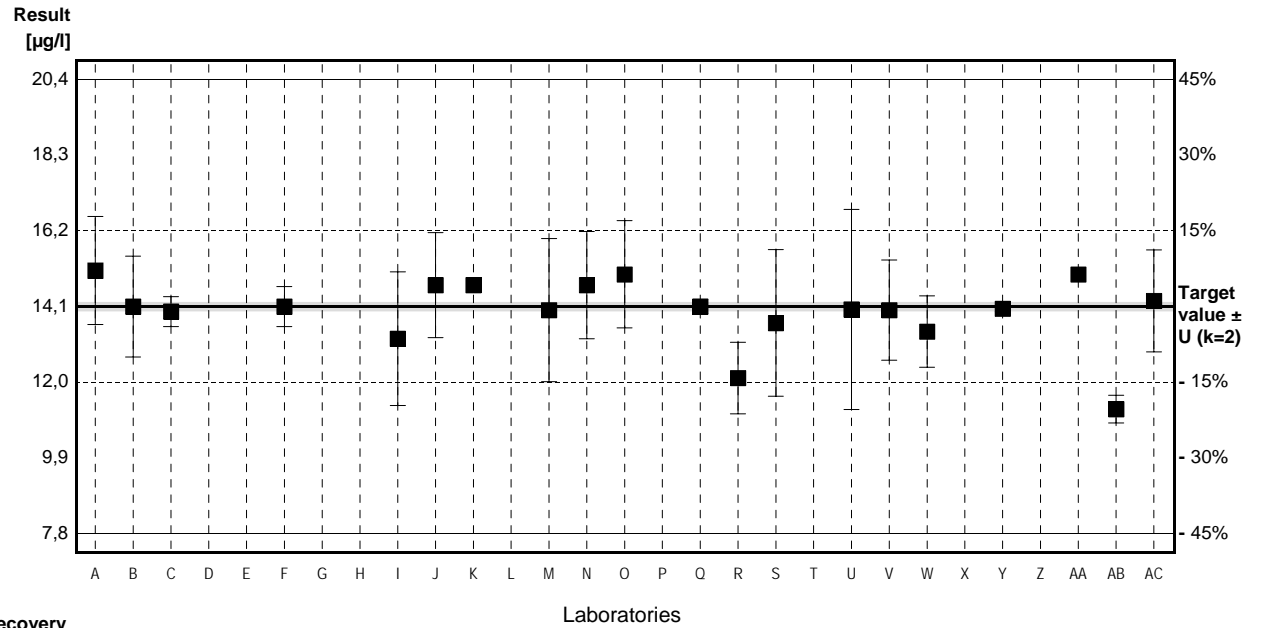
Target value ± U (k=2) 14,1 µg/l ± 0,1 µg/l

IFA result ± U (k=2) 13,7 µg/l ± 1,1 µg/l

Stability test ± U (k=2) 13,9 µg/l ± 1,1 µg/l

| Lab Code | Result | ± | Unit | Recovery | z-Score |
|----------|---------|-------|------|----------|---------|
| A | 15,11 | 1,511 | µg/l | 107% | 0,97 |
| B | 14,1 | 1,41 | µg/l | 100% | 0,00 |
| C | 13,96 | 0,42 | µg/l | 99% | -0,13 |
| D | | | µg/l | | |
| E | <20 | | µg/l | • | |
| F | 14,1 | 0,56 | µg/l | 100% | 0,00 |
| G | 32 * | 3 | µg/l | 227% | 17,16 |
| H | | | µg/l | | |
| I | 13,2 | 1,87 | µg/l | 94% | -0,86 |
| J | 14,7 | 1,47 | µg/l | 104% | 0,58 |
| K | 14,7 | | µg/l | 104% | 0,58 |
| L | <20 | | µg/l | • | |
| M | 14 | 2 | µg/l | 99% | -0,10 |
| N | 14,7 | 1,5 | µg/l | 104% | 0,58 |
| O | 15,0 | 1,50 | µg/l | 106% | 0,86 |
| P | 31,6 * | | µg/l | 224% | 16,77 |
| Q | 14,1 | 0,2 | µg/l | 100% | 0,00 |
| R | 12,1 | 1,0 | µg/l | 86% | -1,92 |
| S | 13,64 | 2,05 | µg/l | 97% | -0,44 |
| T | | | µg/l | | |
| U | 14,02 | 2,80 | µg/l | 99% | -0,08 |
| V | 14,0 | 1,40 | µg/l | 99% | -0,10 |
| W | 13,4 | 1 | µg/l | 95% | -0,67 |
| X | 68 * | 7 | µg/l | 482% | 51,66 |
| Y | 14,04 | 0,09 | µg/l | 100% | -0,06 |
| Z | | | µg/l | | |
| AA | 15 | | µg/l | 106% | 0,86 |
| AB | 11,23 * | 0,386 | µg/l | 80% | -2,75 |
| AC | 14,26 | 1,426 | µg/l | 101% | 0,15 |

| | All results | Outliers excl. | Unit |
|-------------------|--------------|----------------|------|
| Mean ± CI(99%) | 17,9 ± 7,1 | 14,1 ± 0,5 | µg/l |
| Recov. ± CI(99%) | 126,7 ± 50,5 | 100,1 ± 3,4 | % |
| SD between labs | 12,1 | 0,7 | µg/l |
| RSD between labs | 67,7 | 5,1 | % |
| n for calculation | 23 | 19 | |



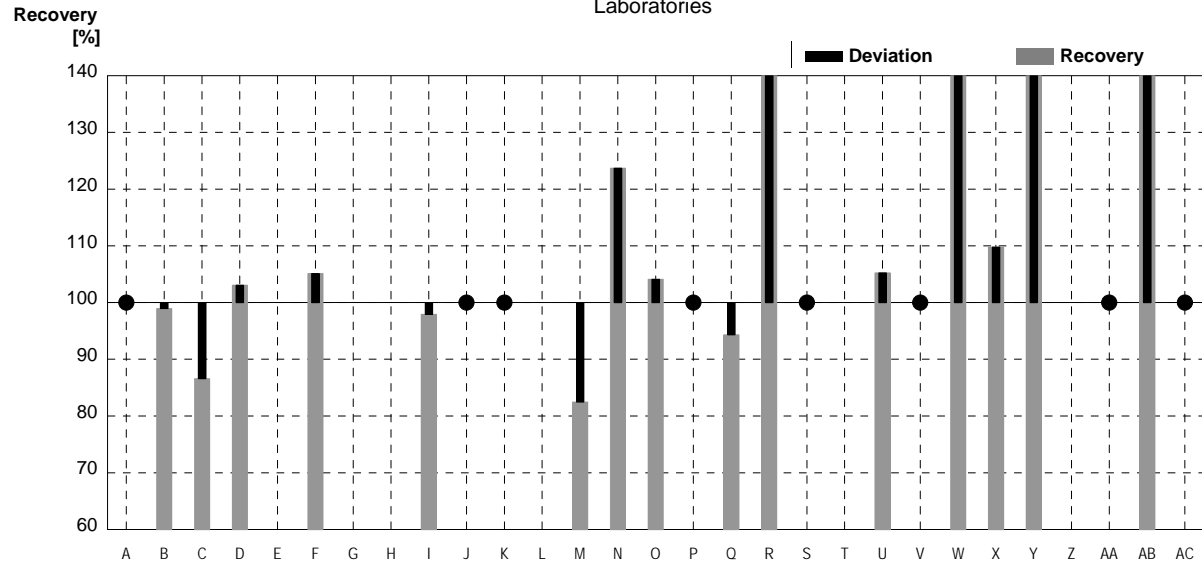
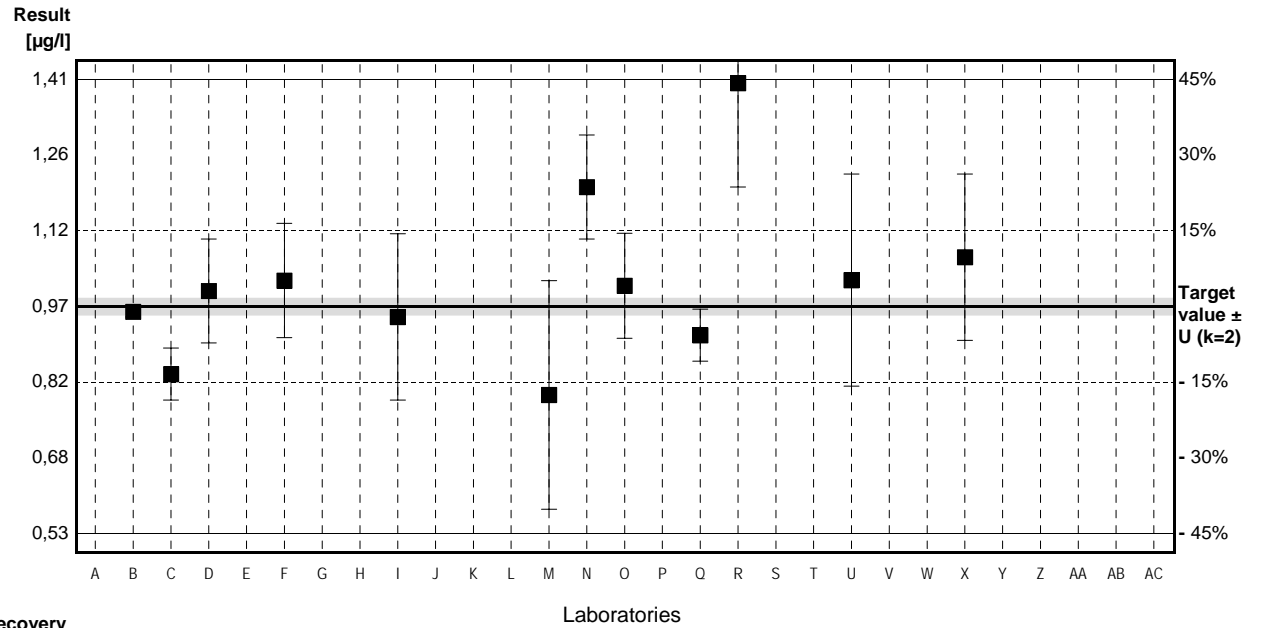
Sample M106A

Parameter Nickel

Target value ± U (k=2) 0,97 µg/l ± 0,02 µg/l
 IFA result ± U (k=2) 0,98 µg/l ± 0,12 µg/l
 Stability test ± U (k=2) 1,02 µg/l ± 0,12 µg/l

| Lab Code | Result | ± | Unit | Recovery | z-Score |
|----------|---------|-------|------|----------|---------|
| A | <1,0 | | µg/l | • | |
| B | 0,96 | 0,01 | µg/l | 99% | |
| C | 0,84 | 0,05 | µg/l | 87% | |
| D | 1,0 | 0,1 | µg/l | 103% | |
| E | | | µg/l | | |
| F | 1,02 | 0,11 | µg/l | 105% | |
| G | | | µg/l | | |
| H | | | µg/l | | |
| I | 0,95 | 0,16 | µg/l | 98% | |
| J | <5 | | µg/l | • | |
| K | <1,5 | | µg/l | • | |
| L | | | µg/l | | |
| M | 0,80 | 0,22 | µg/l | 82% | |
| N | 1,2 | 0,1 | µg/l | 124% | |
| O | 1,01 | 0,101 | µg/l | 104% | |
| P | <1 | | µg/l | • | |
| Q | 0,915 | 0,05 | µg/l | 94% | |
| R | 1,4 | 0,2 | µg/l | 144% | |
| S | <1 | | µg/l | • | |
| T | | | µg/l | | |
| U | 1,021 | 0,204 | µg/l | 105% | |
| V | <2,0 | 0,28 | µg/l | • | |
| W | 2,37 * | 0,3 | µg/l | 244% | |
| X | 1,065 | 0,160 | µg/l | 110% | |
| Y | 11,08 * | 0,35 | µg/l | 1142% | |
| Z | | | µg/l | | |
| AA | <3,0 | | µg/l | • | |
| AB | 3,404 * | 0,322 | µg/l | 351% | |
| AC | <4,0 | | µg/l | • | |

| | All results | Outliers excl. | Unit |
|-------------------|---------------|----------------|------|
| Mean ± CI(99%) | 1,94 ± 2,02 | 1,02 ± 0,14 | µg/l |
| Recov. ± CI(99%) | 199,6 ± 208,2 | 104,6 ± 14,7 | % |
| SD between labs | 2,62 | 0,16 | µg/l |
| RSD between labs | 135,6 | 15,7 | % |
| n for calculation | 15 | 12 | |



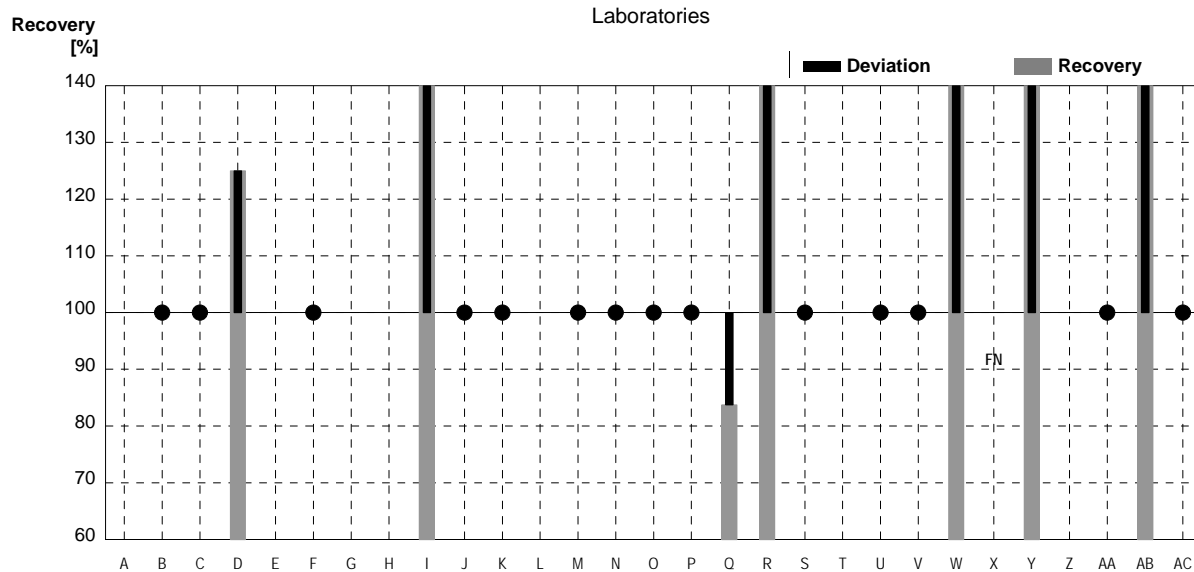
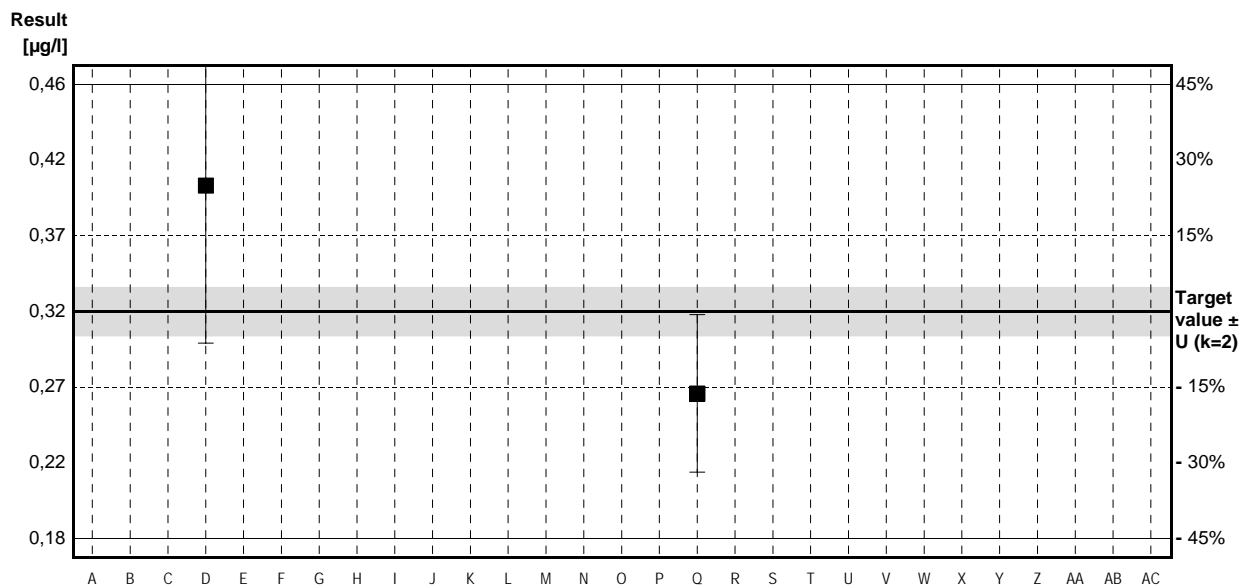
Sample M106B

Parameter Nickel

Target value $\pm U$ (k=2) 0,32 $\mu\text{g/l}$ \pm 0,02 $\mu\text{g/l}$
 IFA result $\pm U$ (k=2) 0,33 $\mu\text{g/l}$ \pm 0,04 $\mu\text{g/l}$
 Stability test $\pm U$ (k=2) 0,32 $\mu\text{g/l}$ \pm 0,04 $\mu\text{g/l}$

| Lab Code | Result | \pm | Unit | Recovery | z-Score |
|----------|---------|-------|-----------------|----------|---------|
| A | (.)0,03 | | $\mu\text{g/l}$ | | |
| B | <1 | | $\mu\text{g/l}$ | • | |
| C | <1,0 | | $\mu\text{g/l}$ | • | |
| D | 0,4 | 0,1 | $\mu\text{g/l}$ | 125% | |
| E | | | $\mu\text{g/l}$ | | |
| F | <1,00 | | $\mu\text{g/l}$ | • | |
| G | | | $\mu\text{g/l}$ | | |
| H | | | $\mu\text{g/l}$ | | |
| I | 0,55 | 0,097 | $\mu\text{g/l}$ | 172% | |
| J | <5 | | $\mu\text{g/l}$ | • | |
| K | <1,5 | | $\mu\text{g/l}$ | • | |
| L | | | $\mu\text{g/l}$ | | |
| M | <0,50 | | $\mu\text{g/l}$ | • | |
| N | <1 | | $\mu\text{g/l}$ | • | |
| O | <1,0 | | $\mu\text{g/l}$ | • | |
| P | <1 | | $\mu\text{g/l}$ | • | |
| Q | 0,268 | 0,05 | $\mu\text{g/l}$ | 84% | |
| R | 0,8 | 0,1 | $\mu\text{g/l}$ | 250% | |
| S | <1 | | $\mu\text{g/l}$ | • | |
| T | | | $\mu\text{g/l}$ | | |
| U | <1,0 | | $\mu\text{g/l}$ | • | |
| V | <0,7 | 0,098 | $\mu\text{g/l}$ | • | |
| W | 1,37 | 0,2 | $\mu\text{g/l}$ | 428% | |
| X | <0,094 | | $\mu\text{g/l}$ | FN | |
| Y | 11,52 * | 0,42 | $\mu\text{g/l}$ | 3600% | |
| Z | | | $\mu\text{g/l}$ | | |
| AA | <3,0 | | $\mu\text{g/l}$ | • | |
| AB | 2,787 | 0,203 | $\mu\text{g/l}$ | 871% | |
| AC | <4,0 | | $\mu\text{g/l}$ | • | |

| | All results | Outliers excl. | Unit |
|----------------------|--------------------|-------------------|-----------------|
| Mean \pm CI(99%) | 2,53 \pm 5,69 | 1,03 \pm 1,55 | $\mu\text{g/l}$ |
| Recov. \pm CI(99%) | 790,0 \pm 1778,2 | 321,6 \pm 485,8 | % |
| SD between labs | 4,06 | 0,94 | $\mu\text{g/l}$ |
| RSD between labs | 160,5 | 91,8 | % |
| n for calculation | 7 | 6 | |



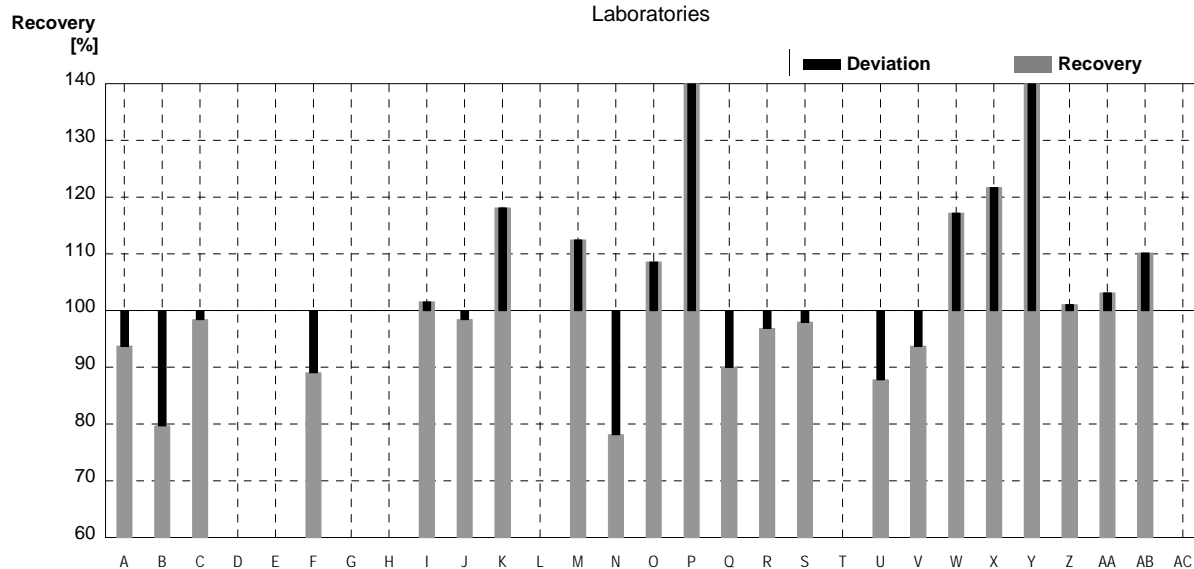
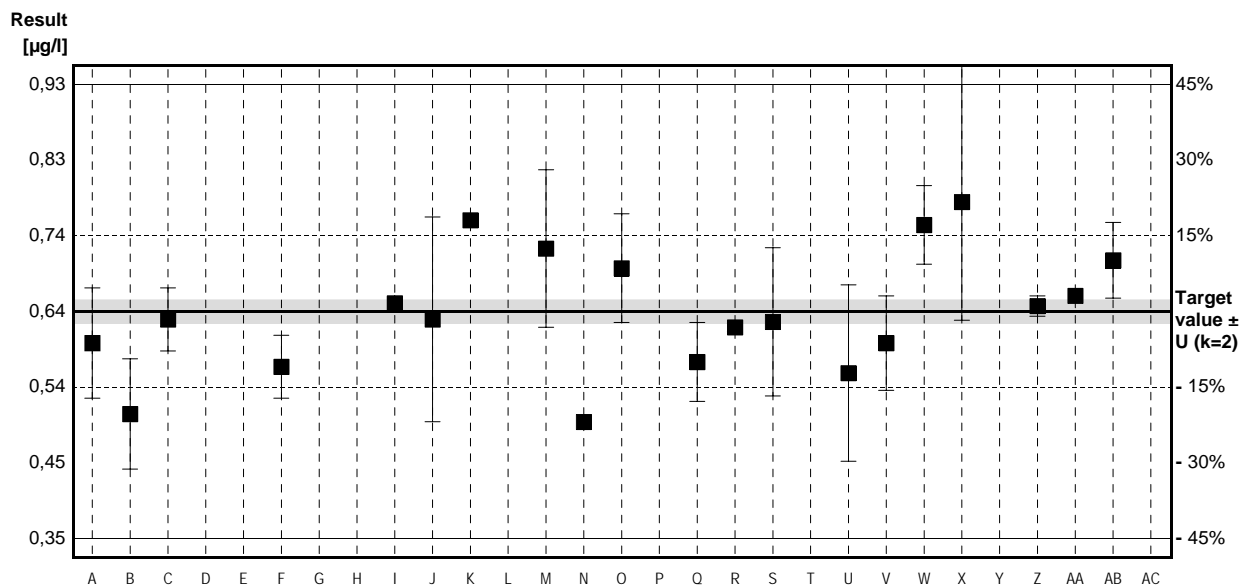
Sample M106A

Parameter Mercury

Target value ± U (k=2) 0,64 µg/l ± 0,01 µg/l
 IFA result ± U (k=2) 0,64 µg/l ± 0,04 µg/l
 Stability test ± U (k=2) 0,67 µg/l ± 0,04 µg/l

| Lab Code | Result | ± | Unit | Recovery | z-Score |
|----------|--------|-------|------|----------|---------|
| A | 0,6 | 0,07 | µg/l | 94% | -0,57 |
| B | 0,51 | 0,07 | µg/l | 80% | -1,85 |
| C | 0,63 | 0,04 | µg/l | 98% | -0,14 |
| D | | | µg/l | | |
| E | | | µg/l | | |
| F | 0,57 | 0,040 | µg/l | 89% | -0,99 |
| G | | | µg/l | | |
| H | | | µg/l | | |
| I | 0,65 | 0,01 | µg/l | 102% | 0,14 |
| J | 0,63 | 0,13 | µg/l | 98% | -0,14 |
| K | 0,756 | | µg/l | 118% | 1,65 |
| L | | | µg/l | | |
| M | 0,72 | 0,10 | µg/l | 113% | 1,14 |
| N | 0,50 | | µg/l | 78% | -1,99 |
| O | 0,695 | 0,069 | µg/l | 109% | 0,78 |
| P | 1,4 * | | µg/l | 219% | 10,80 |
| Q | 0,576 | 0,05 | µg/l | 90% | -0,91 |
| R | 0,620 | 0,005 | µg/l | 97% | -0,28 |
| S | 0,627 | 0,094 | µg/l | 98% | -0,18 |
| T | | | µg/l | | |
| U | 0,562 | 0,112 | µg/l | 88% | -1,11 |
| V | 0,60 | 0,06 | µg/l | 94% | -0,57 |
| W | 0,75 | 0,05 | µg/l | 117% | 1,56 |
| X | 0,779 | 0,150 | µg/l | 122% | 1,97 |
| Y | 5,78 * | 0,15 | µg/l | 903% | 73,01 |
| Z | 0,647 | 0,013 | µg/l | 101% | 0,10 |
| AA | 0,66 | | µg/l | 103% | 0,28 |
| AB | 0,705 | 0,048 | µg/l | 110% | 0,92 |
| AC | | | µg/l | | |

| | All results | Outliers excl. | Unit |
|-------------------|---------------|----------------|------|
| Mean ± CI(99%) | 0,91 ± 0,67 | 0,64 ± 0,05 | µg/l |
| Recov. ± CI(99%) | 141,8 ± 104,0 | 99,9 ± 7,8 | % |
| SD between labs | 1,10 | 0,08 | µg/l |
| RSD between labs | 121,5 | 12,1 | % |
| n for calculation | 22 | 20 | |



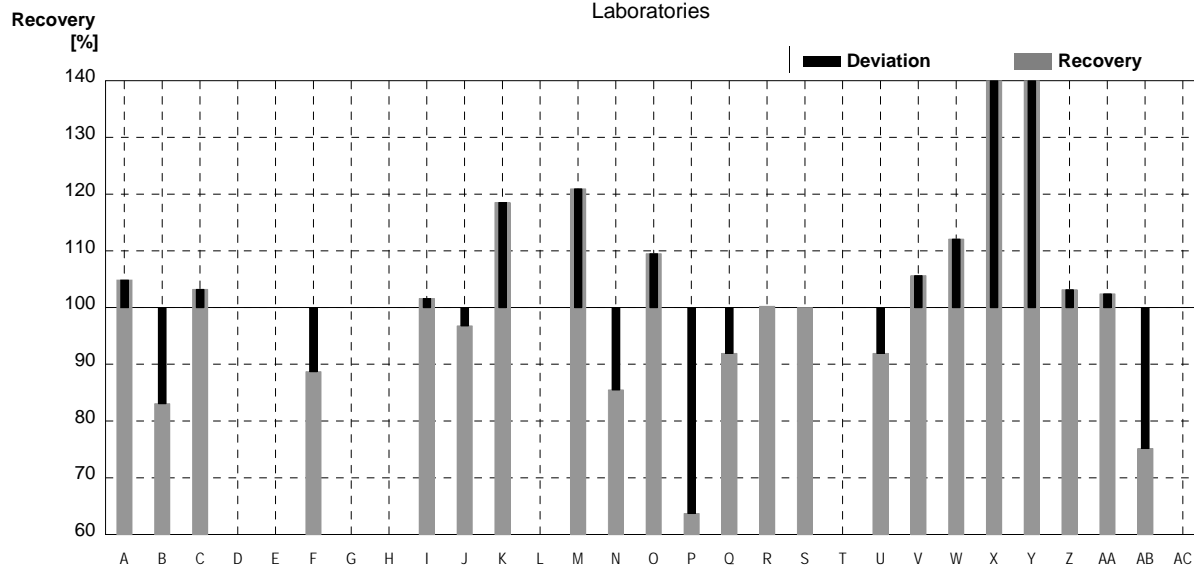
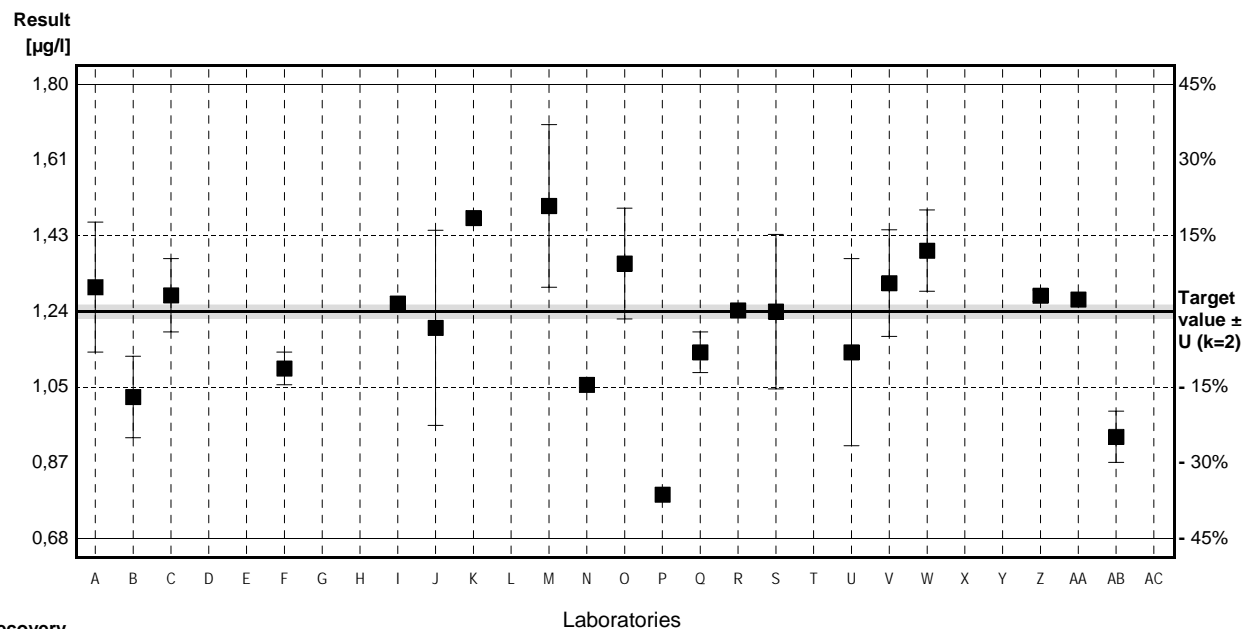
Sample M106B

Parameter Mercury

Target value $\pm U$ (k=2) 1,24 $\mu\text{g/l}$ \pm 0,02 $\mu\text{g/l}$
 IFA result $\pm U$ (k=2) 1,28 $\mu\text{g/l}$ \pm 0,08 $\mu\text{g/l}$
 Stability test $\pm U$ (k=2) 1,31 $\mu\text{g/l}$ \pm 0,08 $\mu\text{g/l}$

| Lab Code | Result | \pm | Unit | Recovery | z-Score |
|----------|---------|-------|-----------------|----------|---------|
| A | 1,3 | 0,16 | $\mu\text{g/l}$ | 105% | 0,44 |
| B | 1,03 | 0,10 | $\mu\text{g/l}$ | 83% | -1,54 |
| C | 1,28 | 0,09 | $\mu\text{g/l}$ | 103% | 0,29 |
| D | | | $\mu\text{g/l}$ | | |
| E | | | $\mu\text{g/l}$ | | |
| F | 1,10 | 0,040 | $\mu\text{g/l}$ | 89% | -1,03 |
| G | | | $\mu\text{g/l}$ | | |
| H | | | $\mu\text{g/l}$ | | |
| I | 1,26 | 0,017 | $\mu\text{g/l}$ | 102% | 0,15 |
| J | 1,20 | 0,24 | $\mu\text{g/l}$ | 97% | -0,29 |
| K | 1,47 | | $\mu\text{g/l}$ | 119% | 1,69 |
| L | | | $\mu\text{g/l}$ | | |
| M | 1,5 | 0,2 | $\mu\text{g/l}$ | 121% | 1,91 |
| N | 1,06 | | $\mu\text{g/l}$ | 85% | -1,32 |
| O | 1,358 | 0,136 | $\mu\text{g/l}$ | 110% | 0,87 |
| P | 0,79 | | $\mu\text{g/l}$ | 64% | -3,30 |
| Q | 1,14 | 0,05 | $\mu\text{g/l}$ | 92% | -0,73 |
| R | 1,243 | 0,005 | $\mu\text{g/l}$ | 100% | 0,02 |
| S | 1,24 | 0,19 | $\mu\text{g/l}$ | 100% | 0,00 |
| T | | | $\mu\text{g/l}$ | | |
| U | 1,14 | 0,23 | $\mu\text{g/l}$ | 92% | -0,73 |
| V | 1,31 | 0,131 | $\mu\text{g/l}$ | 106% | 0,51 |
| W | 1,39 | 0,1 | $\mu\text{g/l}$ | 112% | 1,10 |
| X | 2,736 * | 0,087 | $\mu\text{g/l}$ | 221% | 10,97 |
| Y | 2,15 * | 0,07 | $\mu\text{g/l}$ | 173% | 6,67 |
| Z | 1,279 | 0,014 | $\mu\text{g/l}$ | 103% | 0,29 |
| AA | 1,27 | | $\mu\text{g/l}$ | 102% | 0,22 |
| AB | 0,932 | 0,063 | $\mu\text{g/l}$ | 75% | -2,26 |
| AC | | | $\mu\text{g/l}$ | | |

| | All results | Outliers excl. | Unit |
|----------------------|------------------|-----------------|-----------------|
| Mean \pm CI(99%) | 1,33 \pm 0,25 | 1,21 \pm 0,11 | $\mu\text{g/l}$ |
| Recov. \pm CI(99%) | 107,0 \pm 19,8 | 98,0 \pm 8,9 | % |
| SD between labs | 0,41 | 0,17 | $\mu\text{g/l}$ |
| RSD between labs | 30,7 | 14,3 | % |
| n for calculation | 22 | 20 | |



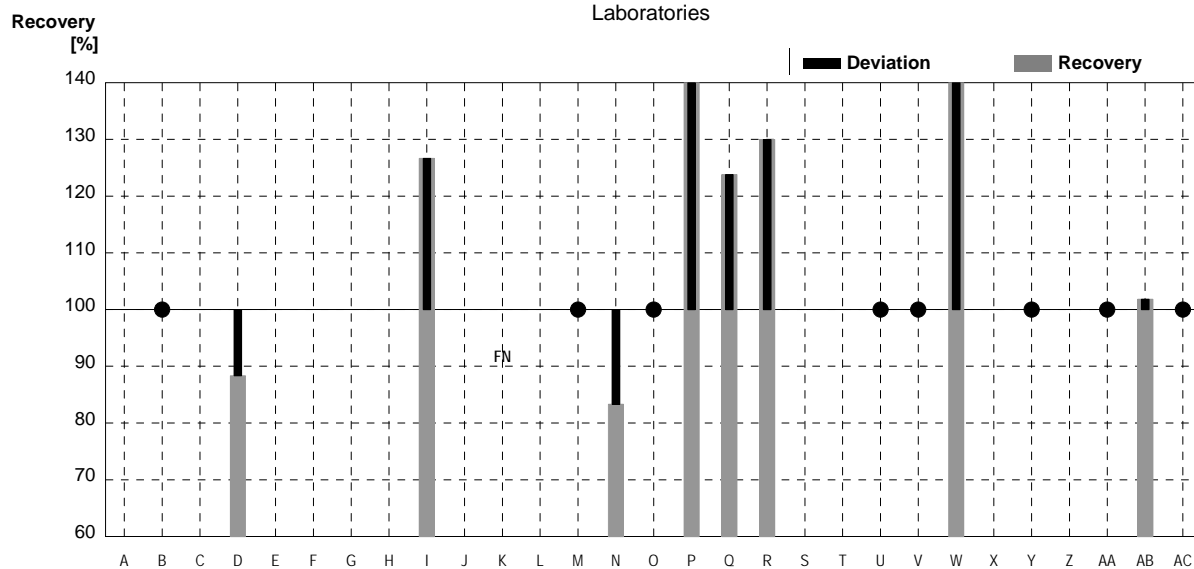
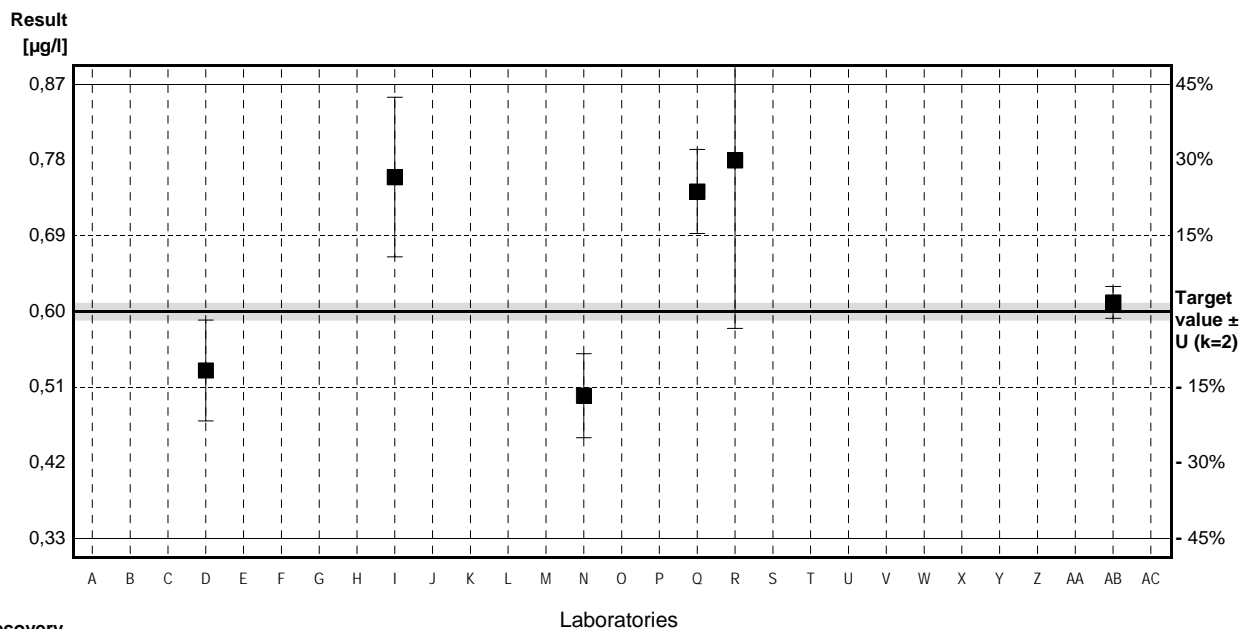
Sample M106A

Parameter Selenium

Target value ± U (k=2) 0,60 µg/l ± 0,01 µg/l
 IFA result ± U (k=2) 0,60 µg/l ± 0,06 µg/l
 Stability test ± U (k=2) 0,62 µg/l ± 0,06 µg/l

| Lab Code | Result | ± | Unit | Recovery | z-Score |
|----------|--------|-------|------|----------|---------|
| A | | | µg/l | | |
| B | <1 | | µg/l | • | |
| C | | | µg/l | | |
| D | 0,53 | 0,06 | µg/l | 88% | -0,69 |
| E | | | µg/l | | |
| F | | | µg/l | | |
| G | | | µg/l | | |
| H | | | µg/l | | |
| I | 0,76 | 0,095 | µg/l | 127% | 1,57 |
| J | | | µg/l | | |
| K | <0,5 | | µg/l | FN | |
| L | | | µg/l | | |
| M | <2,0 | | µg/l | • | |
| N | 0,5 | 0,05 | µg/l | 83% | -0,98 |
| O | <1,0 | | µg/l | • | |
| P | 2,2 * | | µg/l | 367% | 15,69 |
| Q | 0,743 | 0,05 | µg/l | 124% | 1,40 |
| R | 0,78 | 0,20 | µg/l | 130% | 1,76 |
| S | | | µg/l | | |
| T | | | µg/l | | |
| U | <1,0 | | µg/l | • | |
| V | <0,9 | 0,243 | µg/l | • | |
| W | 1,91 * | 0,25 | µg/l | 318% | 12,84 |
| X | | | µg/l | | |
| Y | <1 | | µg/l | • | |
| Z | | | µg/l | | |
| AA | <3,0 | | µg/l | • | |
| AB | 0,611 | 0,019 | µg/l | 102% | 0,11 |
| AC | <2,0 | | µg/l | • | |

| | All results | Outliers excl. | Unit |
|-------------------|---------------|----------------|------|
| Mean ± CI(99%) | 1,00 ± 0,82 | 0,65 ± 0,20 | µg/l |
| Recov. ± CI(99%) | 167,4 ± 136,4 | 109,0 ± 33,8 | % |
| SD between labs | 0,66 | 0,12 | µg/l |
| RSD between labs | 65,9 | 18,8 | % |
| n for calculation | 8 | 6 | |

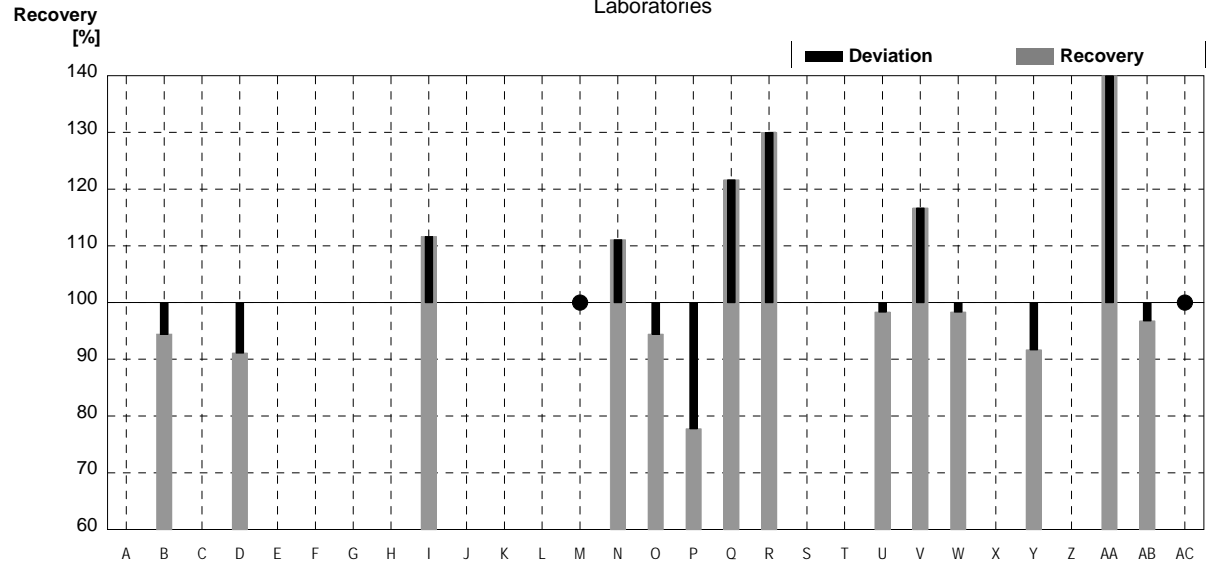
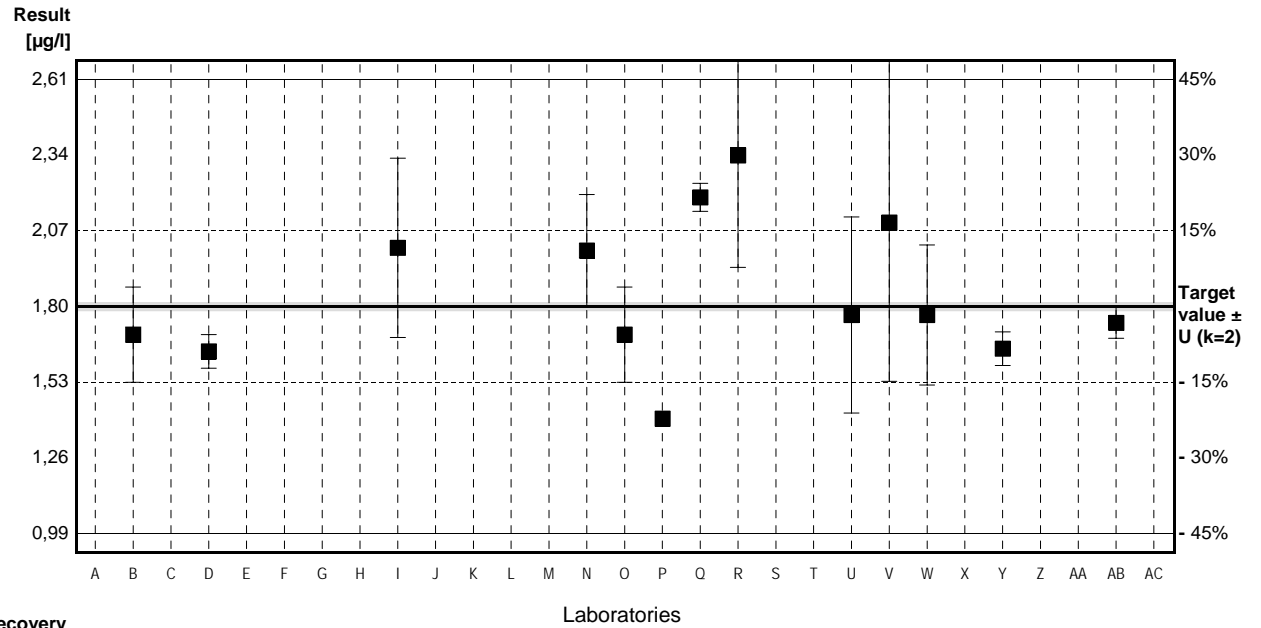


Sample M106B
Parameter Selenium

Target value $\pm U$ (k=2) 1,80 $\mu\text{g/l}$ \pm 0,01 $\mu\text{g/l}$
 IFA result $\pm U$ (k=2) 1,81 $\mu\text{g/l}$ \pm 0,18 $\mu\text{g/l}$
 Stability test $\pm U$ (k=2) 1,81 $\mu\text{g/l}$ \pm 0,18 $\mu\text{g/l}$

| Lab Code | Result | \pm | Unit | Recovery | z-Score |
|----------|--------|-------|-----------------|----------|---------|
| A | | | $\mu\text{g/l}$ | | |
| B | 1,70 | 0,17 | $\mu\text{g/l}$ | 94% | -0,33 |
| C | | | $\mu\text{g/l}$ | | |
| D | 1,64 | 0,06 | $\mu\text{g/l}$ | 91% | -0,52 |
| E | | | $\mu\text{g/l}$ | | |
| F | | | $\mu\text{g/l}$ | | |
| G | | | $\mu\text{g/l}$ | | |
| H | | | $\mu\text{g/l}$ | | |
| I | 2,01 | 0,32 | $\mu\text{g/l}$ | 112% | 0,69 |
| J | | | $\mu\text{g/l}$ | | |
| K | | | $\mu\text{g/l}$ | | |
| L | | | $\mu\text{g/l}$ | | |
| M | <2,0 | | $\mu\text{g/l}$ | • | |
| N | 2,0 | 0,2 | $\mu\text{g/l}$ | 111% | 0,65 |
| O | 1,70 | 0,170 | $\mu\text{g/l}$ | 94% | -0,33 |
| P | 1,4 | | $\mu\text{g/l}$ | 78% | -1,31 |
| Q | 2,19 | 0,05 | $\mu\text{g/l}$ | 122% | 1,27 |
| R | 2,34 | 0,40 | $\mu\text{g/l}$ | 130% | 1,76 |
| S | | | $\mu\text{g/l}$ | | |
| T | | | $\mu\text{g/l}$ | | |
| U | 1,77 | 0,35 | $\mu\text{g/l}$ | 98% | -0,10 |
| V | 2,1 | 0,567 | $\mu\text{g/l}$ | 117% | 0,98 |
| W | 1,77 | 0,25 | $\mu\text{g/l}$ | 98% | -0,10 |
| X | | | $\mu\text{g/l}$ | | |
| Y | 1,65 | 0,06 | $\mu\text{g/l}$ | 92% | -0,49 |
| Z | | | $\mu\text{g/l}$ | | |
| AA | 3,1 | * | $\mu\text{g/l}$ | 172% | 4,25 |
| AB | 1,742 | 0,055 | $\mu\text{g/l}$ | 97% | -0,19 |
| AC | <2,0 | | $\mu\text{g/l}$ | • | |

| | All results | Outliers excl. | Unit |
|----------------------|------------------|------------------|-----------------|
| Mean \pm CI(99%) | 1,94 \pm 0,34 | 1,85 \pm 0,22 | $\mu\text{g/l}$ |
| Recov. \pm CI(99%) | 107,6 \pm 18,7 | 102,6 \pm 12,3 | % |
| SD between labs | 0,42 | 0,26 | $\mu\text{g/l}$ |
| RSD between labs | 21,6 | 14,2 | % |
| n for calculation | 14 | 13 | |



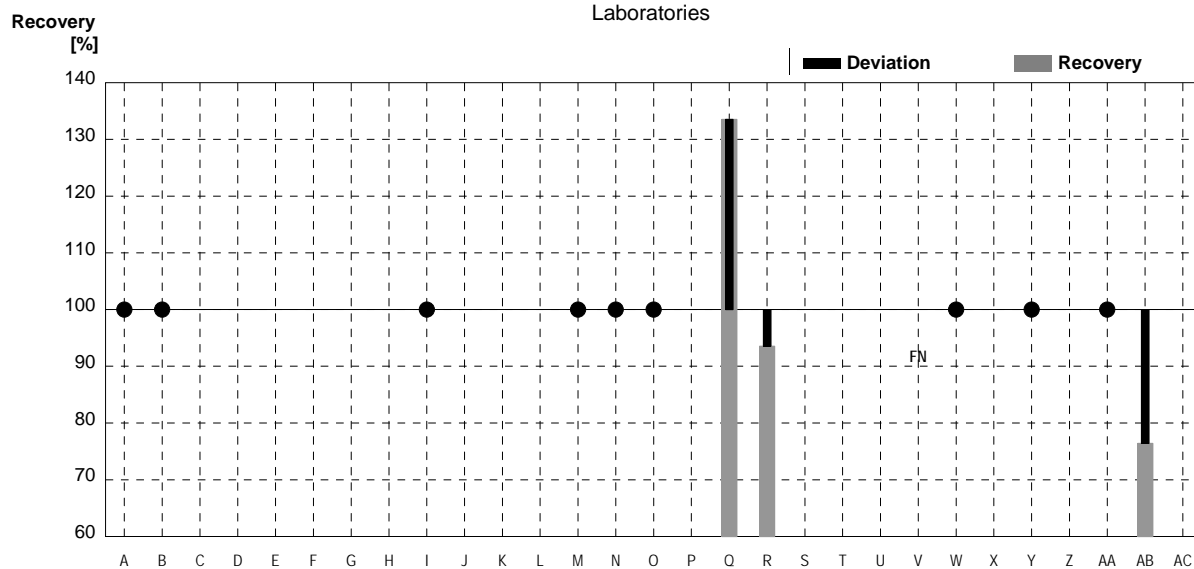
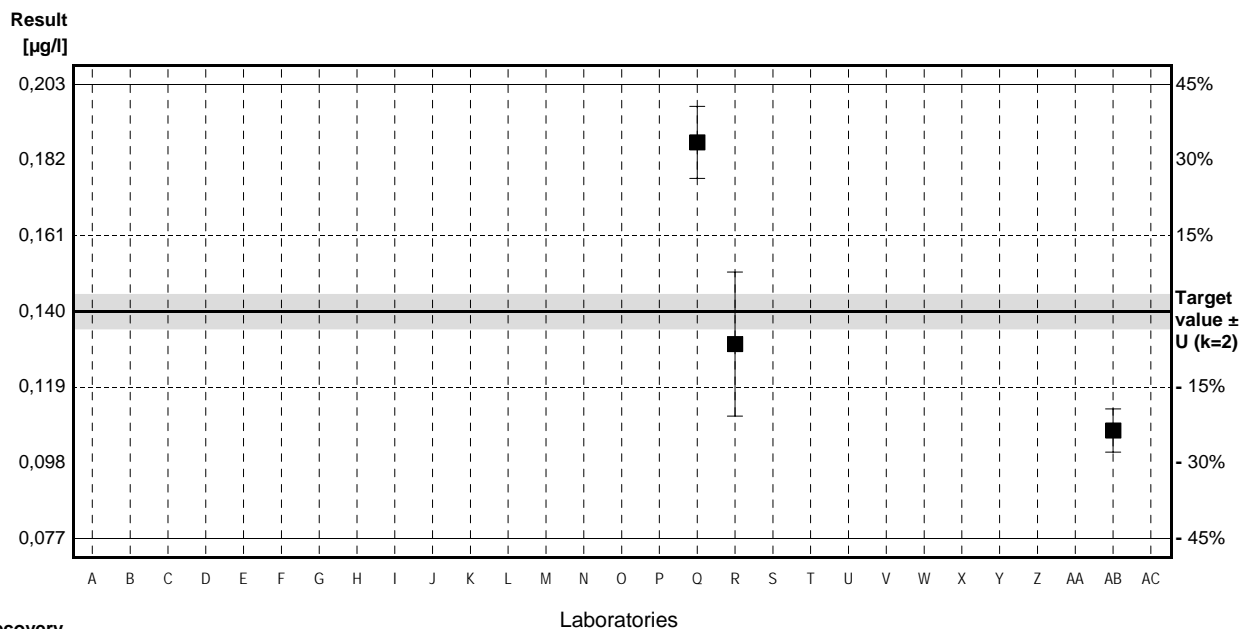
Sample M106A

Parameter Silver

Target value $\pm U$ (k=2) 0,140 $\mu\text{g/l}$ \pm 0,005 $\mu\text{g/l}$
 IFA result $\pm U$ (k=2) 0,135 $\mu\text{g/l}$ \pm 0,014 $\mu\text{g/l}$
 Stability test $\pm U$ (k=2) 0,131 $\mu\text{g/l}$ \pm 0,013 $\mu\text{g/l}$

| Lab Code | Result | \pm | Unit | Recovery | z-Score |
|----------|--------|-------|-----------------|----------|---------|
| A | <0,5 | | $\mu\text{g/l}$ | • | |
| B | <1 | | $\mu\text{g/l}$ | • | |
| C | | | $\mu\text{g/l}$ | | |
| D | | | $\mu\text{g/l}$ | | |
| E | | | $\mu\text{g/l}$ | | |
| F | | | $\mu\text{g/l}$ | | |
| G | | | $\mu\text{g/l}$ | | |
| H | | | $\mu\text{g/l}$ | | |
| I | <0,5 | | $\mu\text{g/l}$ | • | |
| J | | | $\mu\text{g/l}$ | | |
| K | | | $\mu\text{g/l}$ | | |
| L | | | $\mu\text{g/l}$ | | |
| M | <1,0 | | $\mu\text{g/l}$ | • | |
| N | <1 | | $\mu\text{g/l}$ | • | |
| O | <1,0 | | $\mu\text{g/l}$ | • | |
| P | | | $\mu\text{g/l}$ | | |
| Q | 0,187 | 0,01 | $\mu\text{g/l}$ | 134% | 2,58 |
| R | 0,131 | 0,020 | $\mu\text{g/l}$ | 94% | -0,49 |
| S | | | $\mu\text{g/l}$ | | |
| T | | | $\mu\text{g/l}$ | | |
| U | | | $\mu\text{g/l}$ | | |
| V | <0,1 | 0,01 | $\mu\text{g/l}$ | FN | |
| W | <1,0 | | $\mu\text{g/l}$ | • | |
| X | | | $\mu\text{g/l}$ | | |
| Y | <5 | | $\mu\text{g/l}$ | • | |
| Z | | | $\mu\text{g/l}$ | | |
| AA | <0,5 | | $\mu\text{g/l}$ | • | |
| AB | 0,107 | 0,006 | $\mu\text{g/l}$ | 76% | -1,81 |
| AC | | | $\mu\text{g/l}$ | | |

| | All results | Outliers excl. | Unit |
|----------------------|-------------------|----------------|-----------------|
| Mean \pm CI(99%) | 0,142 \pm 0,235 | | $\mu\text{g/l}$ |
| Recov. \pm CI(99%) | 101,2 \pm 167,9 | | % |
| SD between labs | 0,041 | | $\mu\text{g/l}$ |
| RSD between labs | 29,0 | | % |
| n for calculation | 3 | | |



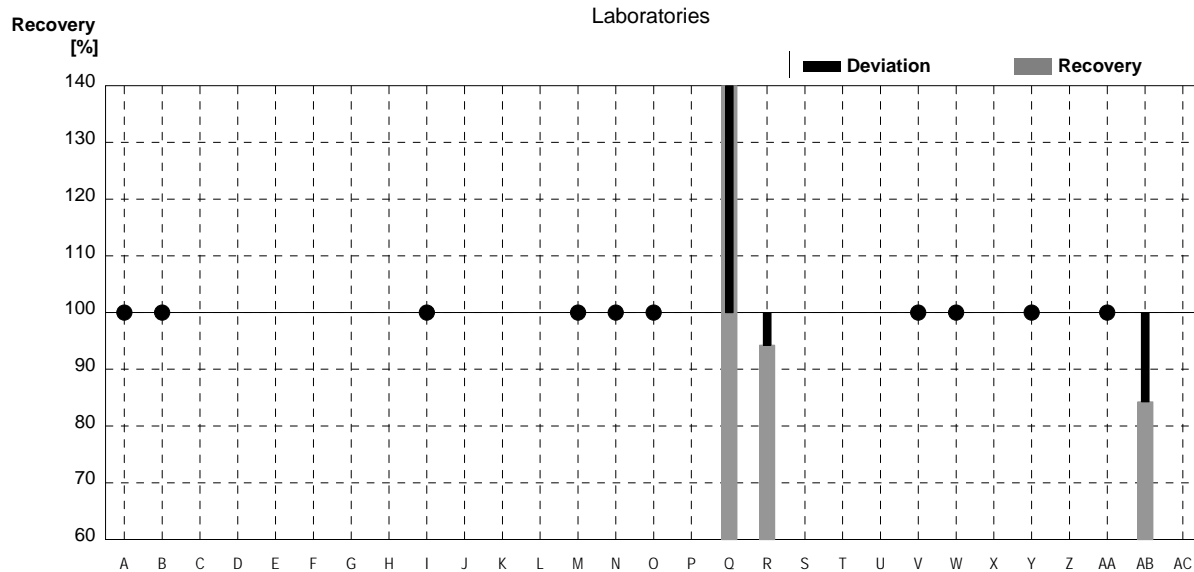
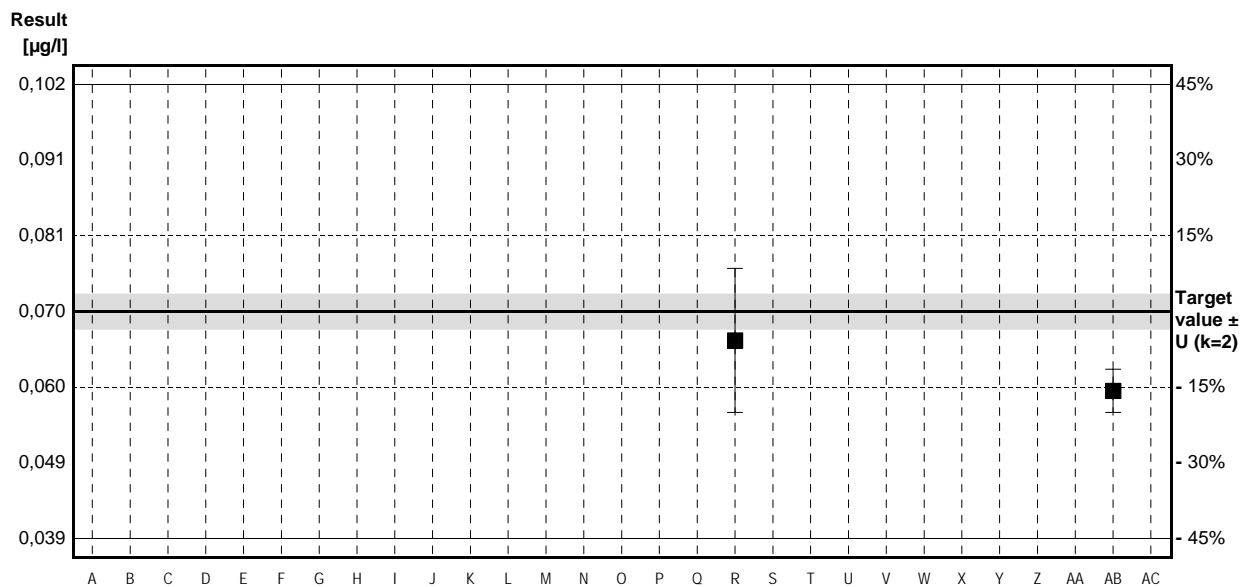
Sample M106B

Parameter Silver

Target value $\pm U$ (k=2) 0,070 $\mu\text{g/l}$ \pm 0,002 $\mu\text{g/l}$
 IFA result $\pm U$ (k=2) 0,067 $\mu\text{g/l}$ \pm 0,007 $\mu\text{g/l}$
 Stability test $\pm U$ (k=2) 0,068 $\mu\text{g/l}$ \pm 0,007 $\mu\text{g/l}$

| Lab Code | Result | \pm | Unit | Recovery | z-Score |
|----------|--------|-------|-----------------|----------|---------|
| A | <0,5 | | $\mu\text{g/l}$ | • | |
| B | <1 | | $\mu\text{g/l}$ | • | |
| C | | | $\mu\text{g/l}$ | | |
| D | | | $\mu\text{g/l}$ | | |
| E | | | $\mu\text{g/l}$ | | |
| F | | | $\mu\text{g/l}$ | | |
| G | | | $\mu\text{g/l}$ | | |
| H | | | $\mu\text{g/l}$ | | |
| I | <0,5 | | $\mu\text{g/l}$ | • | |
| J | | | $\mu\text{g/l}$ | | |
| K | | | $\mu\text{g/l}$ | | |
| L | | | $\mu\text{g/l}$ | | |
| M | <1,0 | | $\mu\text{g/l}$ | • | |
| N | <1 | | $\mu\text{g/l}$ | • | |
| O | <1,0 | | $\mu\text{g/l}$ | • | |
| P | | | $\mu\text{g/l}$ | | |
| Q | 0,168 | 0,01 | $\mu\text{g/l}$ | 240% | 10,77 |
| R | 0,066 | 0,010 | $\mu\text{g/l}$ | 94% | -0,44 |
| S | | | $\mu\text{g/l}$ | | |
| T | | | $\mu\text{g/l}$ | | |
| U | | | $\mu\text{g/l}$ | | |
| V | <0,1 | 0,01 | $\mu\text{g/l}$ | • | |
| W | <1,0 | | $\mu\text{g/l}$ | • | |
| X | | | $\mu\text{g/l}$ | | |
| Y | <5 | | $\mu\text{g/l}$ | • | |
| Z | | | $\mu\text{g/l}$ | | |
| AA | <0,5 | | $\mu\text{g/l}$ | • | |
| AB | 0,059 | 0,003 | $\mu\text{g/l}$ | 84% | -1,21 |
| AC | | | $\mu\text{g/l}$ | | |

| | All results | Outliers excl. | Unit |
|----------------------|-------------------|----------------|-----------------|
| Mean \pm CI(99%) | 0,098 \pm 0,349 | | $\mu\text{g/l}$ |
| Recov. \pm CI(99%) | 139,5 \pm 499,2 | | % |
| SD between labs | 0,061 | | $\mu\text{g/l}$ |
| RSD between labs | 62,5 | | % |
| n for calculation | 3 | | |

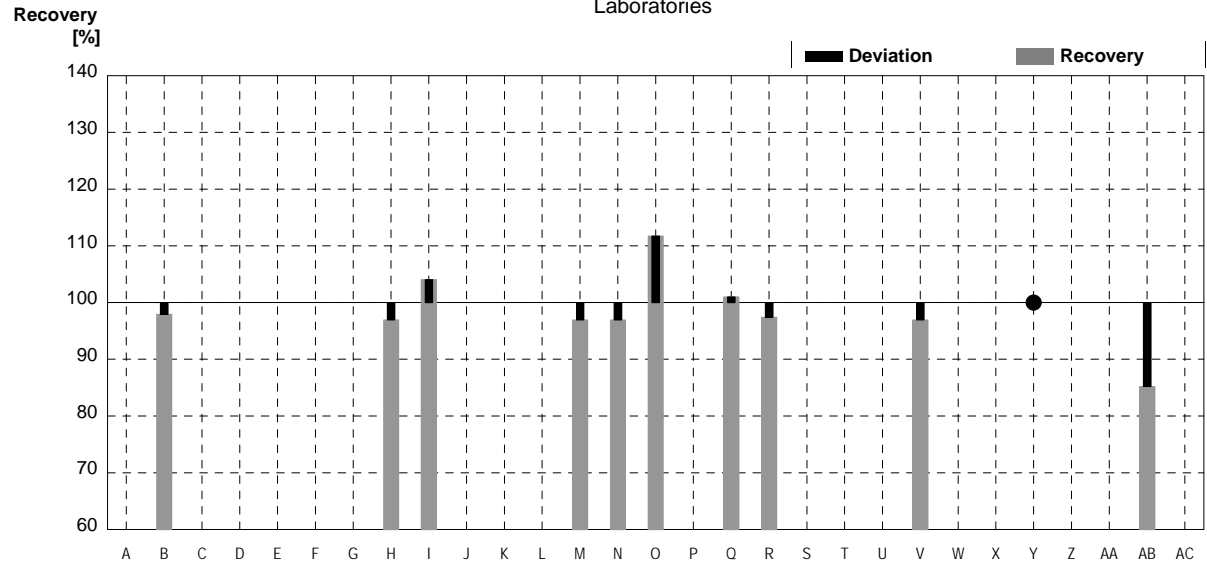
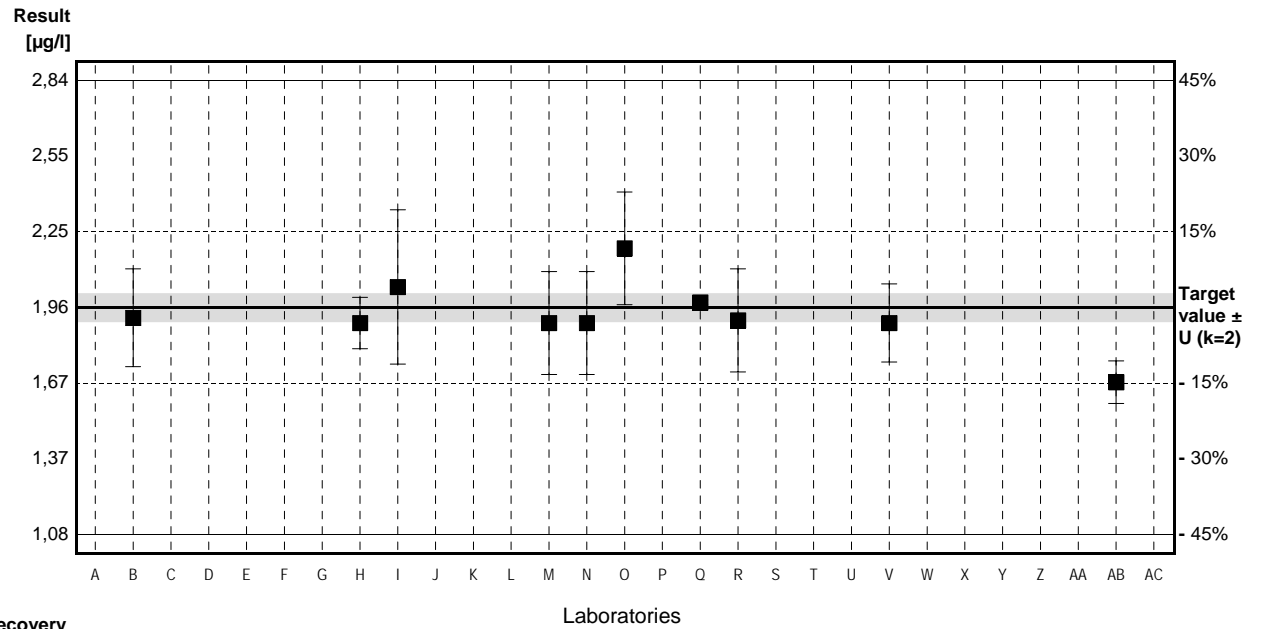


Sample M106A
Parameter Uranium

Target value ± U (k=2) 1,96 µg/l ± 0,05 µg/l
 IFA result ± U (k=2) 1,97 µg/l ± 0,20 µg/l
 Stability test ± U (k=2) 2,12 µg/l ± 0,21 µg/l

| Lab Code | Result | ± | Unit | Recovery | z-Score |
|----------|---------|-------|------|----------|---------|
| A | | | µg/l | | |
| B | 1,92 | 0,19 | µg/l | 98% | -0,36 |
| C | | | µg/l | | |
| D | | | µg/l | | |
| E | | | µg/l | | |
| F | | | µg/l | | |
| G | | | µg/l | | |
| H | 1,9 | 0,1 | µg/l | 97% | -0,55 |
| I | 2,04 * | 0,30 | µg/l | 104% | 0,73 |
| J | | | µg/l | | |
| K | | | µg/l | | |
| L | | | µg/l | | |
| M | 1,9 | 0,2 | µg/l | 97% | -0,55 |
| N | 1,9 | 0,2 | µg/l | 97% | -0,55 |
| O | 2,19 * | 0,219 | µg/l | 112% | 2,10 |
| P | | | µg/l | | |
| Q | 1,98 * | 0,01 | µg/l | 101% | 0,18 |
| R | 1,91 | 0,20 | µg/l | 97% | -0,46 |
| S | | | µg/l | | |
| T | | | µg/l | | |
| U | | | µg/l | | |
| V | 1,9 | 0,152 | µg/l | 97% | -0,55 |
| W | | | µg/l | | |
| X | | | µg/l | | |
| Y | <100 | | µg/l | • | |
| Z | | | µg/l | | |
| AA | | | µg/l | | |
| AB | 1,670 * | 0,083 | µg/l | 85% | -2,64 |
| AC | | | µg/l | | |

| | All results | Outliers excl. | Unit |
|-------------------|-------------|----------------|------|
| Mean ± CI(99%) | 1,93 ± 0,14 | 1,91 ± 0,01 | µg/l |
| Recov. ± CI(99%) | 98,5 ± 6,9 | 97,2 ± 0,7 | % |
| SD between labs | 0,13 | 0,01 | µg/l |
| RSD between labs | 6,8 | 0,4 | % |
| n for calculation | 10 | 6 | |

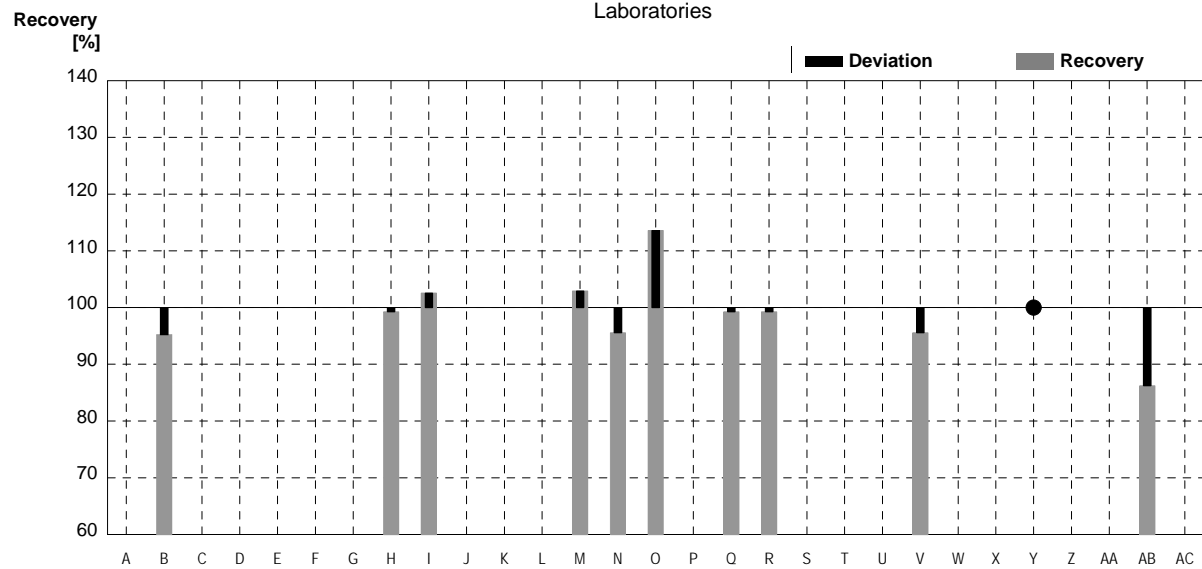
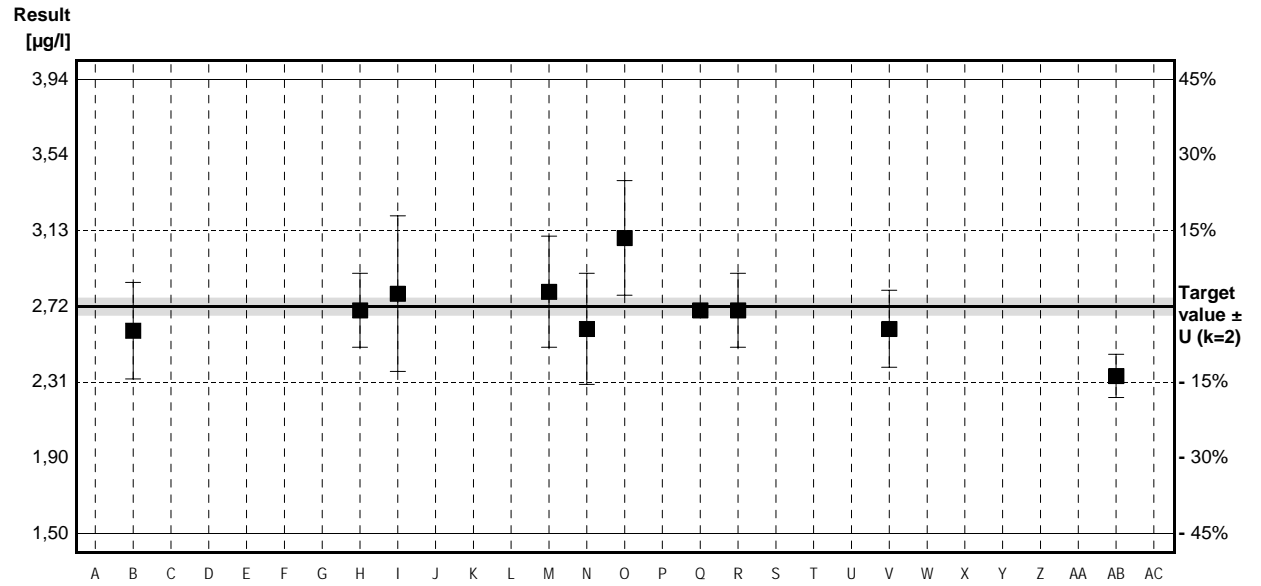


Sample M106B
Parameter Uranium

Target value ± U (k=2) 2,72 µg/l ± 0,05 µg/l
 IFA result ± U (k=2) 2,73 µg/l ± 0,27 µg/l
 Stability test ± U (k=2) 2,92 µg/l ± 0,29 µg/l

| Lab Code | Result | ± | Unit | Recovery | z-Score |
|----------|--------|-------|------|----------|---------|
| A | | | µg/l | | |
| B | 2,59 | 0,26 | µg/l | 95% | -0,85 |
| C | | | µg/l | | |
| D | | | µg/l | | |
| E | | | µg/l | | |
| F | | | µg/l | | |
| G | | | µg/l | | |
| H | 2,7 | 0,2 | µg/l | 99% | -0,13 |
| I | 2,79 | 0,42 | µg/l | 103% | 0,46 |
| J | | | µg/l | | |
| K | | | µg/l | | |
| L | | | µg/l | | |
| M | 2,8 | 0,3 | µg/l | 103% | 0,53 |
| N | 2,6 | 0,3 | µg/l | 96% | -0,79 |
| O | 3,09 | 0,309 | µg/l | 114% | 2,43 |
| P | | | µg/l | | |
| Q | 2,70 | 0,01 | µg/l | 99% | -0,13 |
| R | 2,70 | 0,20 | µg/l | 99% | -0,13 |
| S | | | µg/l | | |
| T | | | µg/l | | |
| U | | | µg/l | | |
| V | 2,6 | 0,208 | µg/l | 96% | -0,79 |
| W | | | µg/l | | |
| X | | | µg/l | | |
| Y | <100 | | µg/l | • | |
| Z | | | µg/l | | |
| AA | | | µg/l | | |
| AB | 2,346 | 0,117 | µg/l | 86% | -2,46 |
| AC | | | µg/l | | |

| | All results | Outliers excl. | Unit |
|-------------------|-------------|----------------|------|
| Mean ± CI(99%) | 2,69 ± 0,20 | 2,69 ± 0,20 | µg/l |
| Recov. ± CI(99%) | 99,0 ± 7,3 | 99,0 ± 7,3 | % |
| SD between labs | 0,19 | 0,19 | µg/l |
| RSD between labs | 7,1 | 7,1 | % |
| n for calculation | 10 | 10 | |



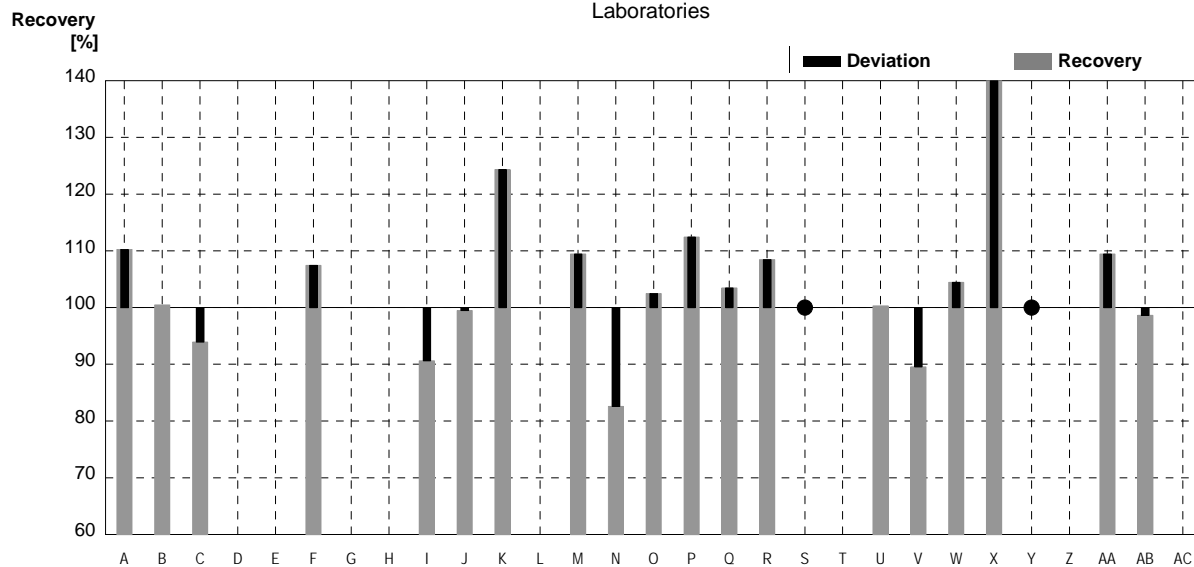
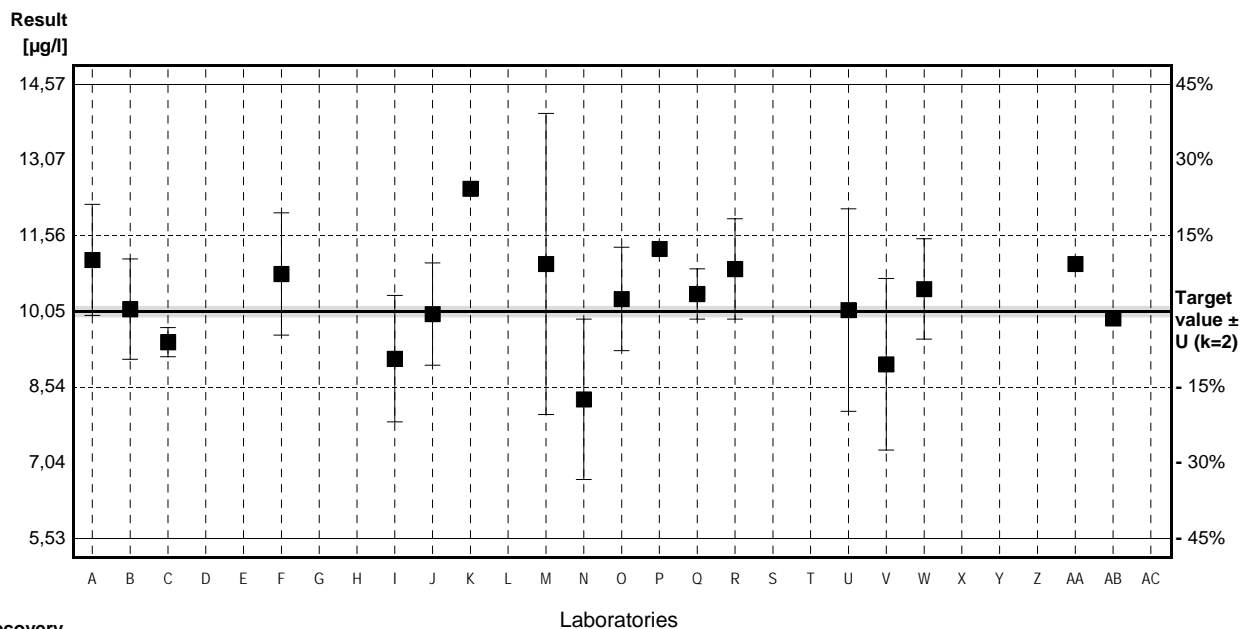
Sample M106A

Parameter Zinc

Target value $\pm U$ (k=2) 10,05 $\mu\text{g/l}$ \pm 0,11 $\mu\text{g/l}$
 IFA result $\pm U$ (k=2) 10,1 $\mu\text{g/l}$ \pm 1,0 $\mu\text{g/l}$
 Stability test $\pm U$ (k=2) 10,4 $\mu\text{g/l}$ \pm 1,0 $\mu\text{g/l}$

| Lab Code | Result | \pm | Unit | Recovery | z-Score |
|----------|----------|-------|-----------------|----------|---------|
| A | 11,08 | 1,108 | $\mu\text{g/l}$ | 110% | 0,93 |
| B | 10,1 | 1,0 | $\mu\text{g/l}$ | 100% | 0,05 |
| C | 9,44 | 0,29 | $\mu\text{g/l}$ | 94% | -0,55 |
| D | | | $\mu\text{g/l}$ | | |
| E | | | $\mu\text{g/l}$ | | |
| F | 10,8 | 1,22 | $\mu\text{g/l}$ | 107% | 0,68 |
| G | | | $\mu\text{g/l}$ | | |
| H | | | $\mu\text{g/l}$ | | |
| I | 9,11 | 1,26 | $\mu\text{g/l}$ | 91% | -0,85 |
| J | 10,0 | 1,02 | $\mu\text{g/l}$ | 100% | -0,05 |
| K | 12,5 | | $\mu\text{g/l}$ | 124% | 2,22 |
| L | | | $\mu\text{g/l}$ | | |
| M | 11 | 3 | $\mu\text{g/l}$ | 109% | 0,86 |
| N | 8,3 | 1,6 | $\mu\text{g/l}$ | 83% | -1,58 |
| O | 10,3 | 1,03 | $\mu\text{g/l}$ | 102% | 0,23 |
| P | 11,3 | | $\mu\text{g/l}$ | 112% | 1,13 |
| Q | 10,4 | 0,5 | $\mu\text{g/l}$ | 103% | 0,32 |
| R | 10,9 | 1,0 | $\mu\text{g/l}$ | 108% | 0,77 |
| S | <20 | | $\mu\text{g/l}$ | • | |
| T | | | $\mu\text{g/l}$ | | |
| U | 10,08 | 2,02 | $\mu\text{g/l}$ | 100% | 0,03 |
| V | 9,0 | 1,71 | $\mu\text{g/l}$ | 90% | -0,95 |
| W | 10,5 | 1 | $\mu\text{g/l}$ | 104% | 0,41 |
| X | 17,279 * | 3,136 | $\mu\text{g/l}$ | 172% | 6,54 |
| Y | <10 | | $\mu\text{g/l}$ | FN | |
| Z | | | $\mu\text{g/l}$ | | |
| AA | 11 | | $\mu\text{g/l}$ | 109% | 0,86 |
| AB | 9,916 | 0,058 | $\mu\text{g/l}$ | 99% | -0,12 |
| AC | | | $\mu\text{g/l}$ | | |

| | All results | Outliers excl. | Unit |
|----------------------|------------------|------------------|-----------------|
| Mean \pm CI(99%) | 10,68 \pm 1,23 | 10,32 \pm 0,67 | $\mu\text{g/l}$ |
| Recov. \pm CI(99%) | 106,3 \pm 12,2 | 102,7 \pm 6,7 | % |
| SD between labs | 1,86 | 0,98 | $\mu\text{g/l}$ |
| RSD between labs | 17,4 | 9,5 | % |
| n for calculation | 19 | 18 | |



Sample M106B

Parameter Zinc

Target value ± U (k=2) 17,7 µg/l ± 0,1 µg/l
 IFA result ± U (k=2) 17,8 µg/l ± 1,8 µg/l
 Stability test ± U (k=2) 17,3 µg/l ± 1,7 µg/l

| Lab Code | Result | ± | Unit | Recovery | z-Score |
|----------|----------|-------|------|----------|---------|
| A | 19,17 | 1,917 | µg/l | 108% | 0,76 |
| B | 16,7 | 1,6 | µg/l | 94% | -0,51 |
| C | 17,19 | 0,52 | µg/l | 97% | -0,26 |
| D | | | µg/l | | |
| E | | | µg/l | | |
| F | 18,6 | 1,97 | µg/l | 105% | 0,46 |
| G | | | µg/l | | |
| H | | | µg/l | | |
| I | 16,0 | 2,20 | µg/l | 90% | -0,87 |
| J | 17,6 | 1,79 | µg/l | 99% | -0,05 |
| K | 20,9 | | µg/l | 118% | 1,64 |
| L | | | µg/l | | |
| M | 19 | 3 | µg/l | 107% | 0,67 |
| N | 15,3 | 3,1 | µg/l | 86% | -1,23 |
| O | 17,3 | 1,73 | µg/l | 98% | -0,21 |
| P | <10 | | µg/l | FN | |
| Q | 18,0 | 0,5 | µg/l | 102% | 0,15 |
| R | 19,4 | 2,0 | µg/l | 110% | 0,87 |
| S | <20 | | µg/l | • | |
| T | | | µg/l | | |
| U | 17,83 | 3,57 | µg/l | 101% | 0,07 |
| V | 16,0 | 3,04 | µg/l | 90% | -0,87 |
| W | 17,53 | 1 | µg/l | 99% | -0,09 |
| X | 47,518 * | 4,441 | µg/l | 268% | 15,31 |
| Y | 16,27 | 0,16 | µg/l | 92% | -0,73 |
| Z | | | µg/l | | |
| AA | 18 | | µg/l | 102% | 0,15 |
| AB | 16,01 | 0,937 | µg/l | 90% | -0,87 |
| AC | | | µg/l | | |

| | All results | Outliers excl. | Unit |
|-------------------|--------------|----------------|------|
| Mean ± CI(99%) | 19,2 ± 4,6 | 17,6 ± 1,0 | µg/l |
| Recov. ± CI(99%) | 108,3 ± 26,2 | 99,4 ± 5,6 | % |
| SD between labs | 7,0 | 1,4 | µg/l |
| RSD between labs | 36,5 | 8,2 | % |
| n for calculation | 19 | 18 | |

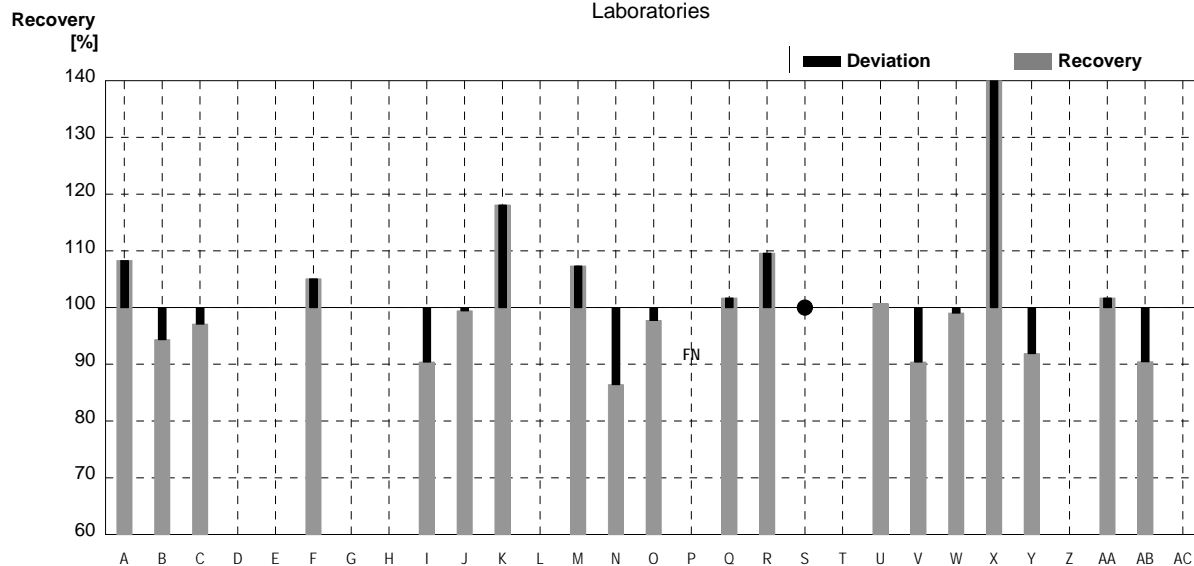
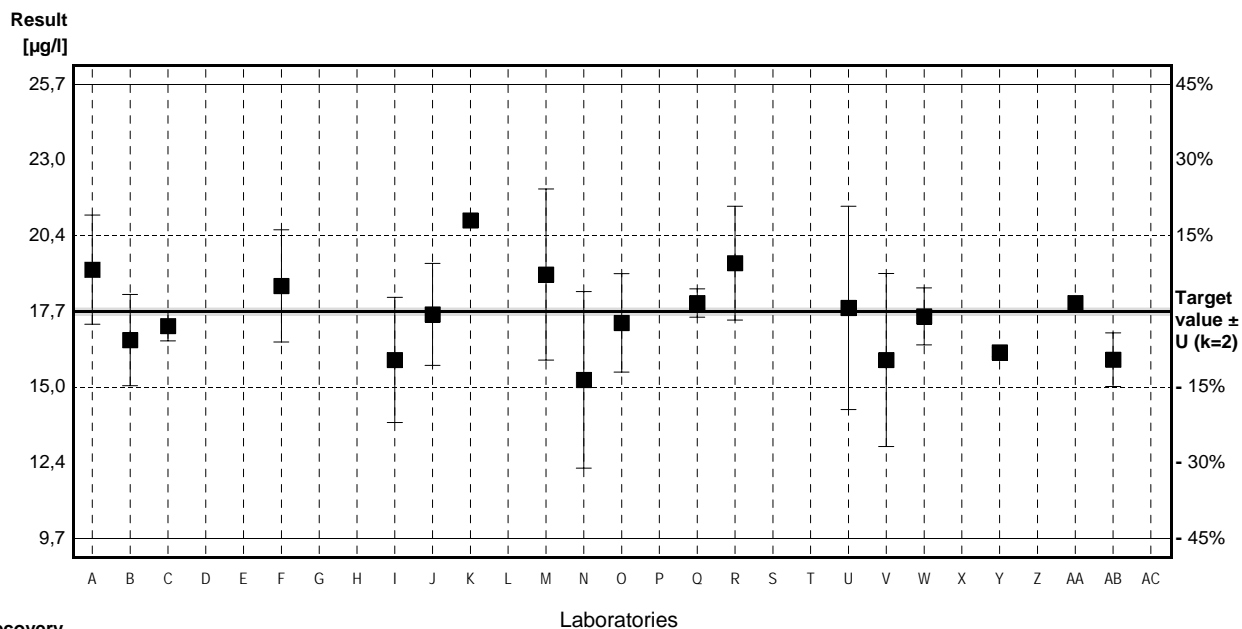


Illustration of Results Laboratory Oriented Part

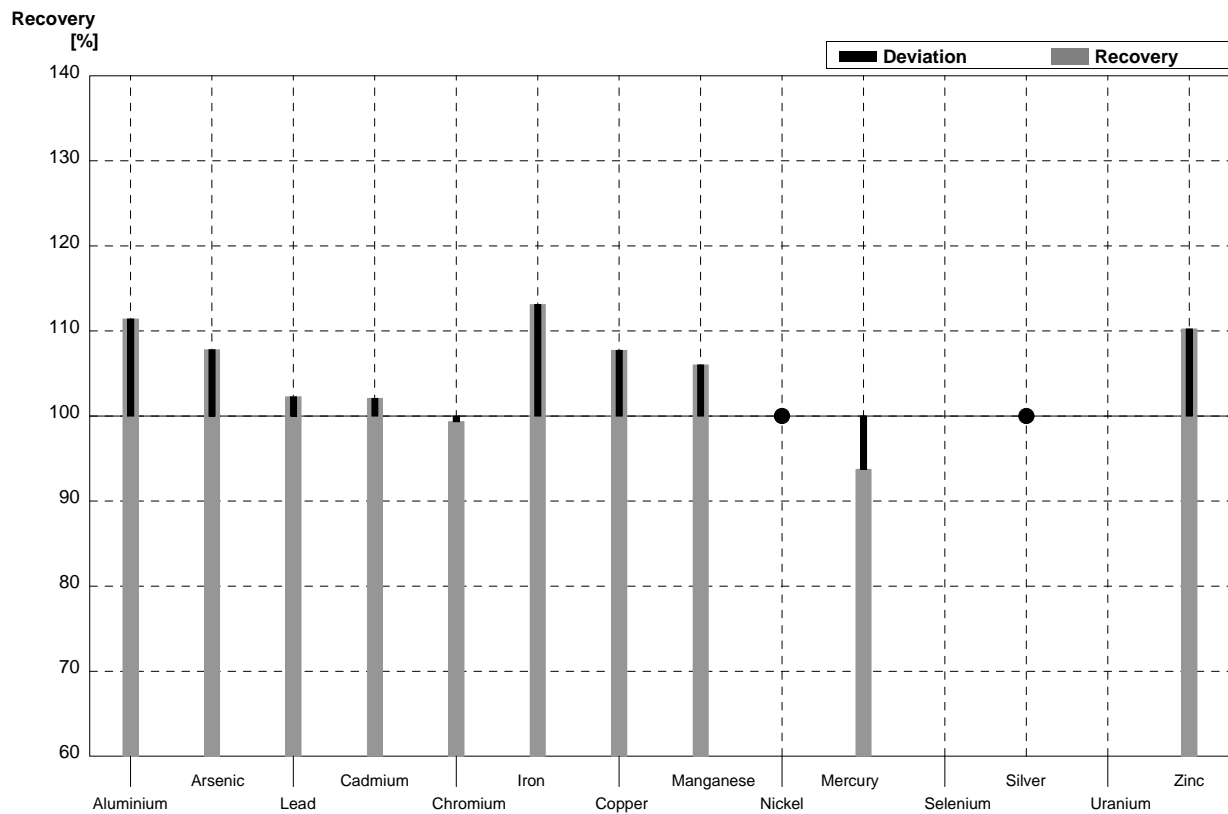
Round M106
Metals

Sample Dispatch: 18 July 2011



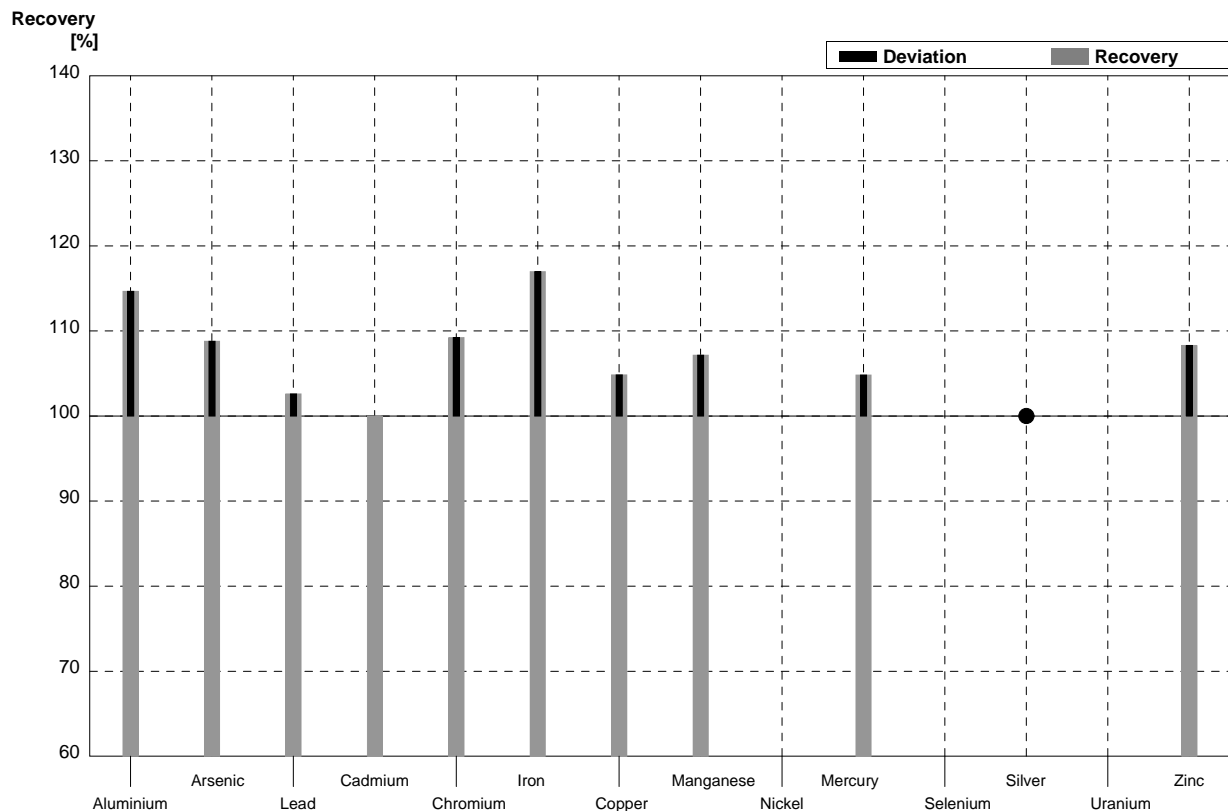
Sample M106A
Laboratory A

| Parameter | Target value | $\pm U (k=2)$ | Result | \pm | Unit | Recovery |
|-----------|--------------|---------------|--------|--------|-----------------|----------|
| Aluminium | 47,9 | 0,3 | 53,37 | 5,337 | $\mu\text{g/l}$ | 111% |
| Arsenic | 3,85 | 0,03 | 4,15 | 0,498 | $\mu\text{g/l}$ | 108% |
| Lead | 10,07 | 0,10 | 10,3 | 0,824 | $\mu\text{g/l}$ | 102% |
| Cadmium | 1,45 | 0,01 | 1,48 | 0,1184 | $\mu\text{g/l}$ | 102% |
| Chromium | 1,53 | 0,01 | 1,52 | 0,1824 | $\mu\text{g/l}$ | 99% |
| Iron | 32,1 | 0,2 | 36,31 | 9,4406 | $\mu\text{g/l}$ | 113% |
| Copper | 4,79 | 0,13 | 5,16 | 0,4128 | $\mu\text{g/l}$ | 108% |
| Manganese | 39,8 | 0,2 | 42,19 | 4,219 | $\mu\text{g/l}$ | 106% |
| Nickel | 0,97 | 0,02 | <1,0 | | $\mu\text{g/l}$ | • |
| Mercury | 0,64 | 0,01 | 0,6 | 0,07 | $\mu\text{g/l}$ | 94% |
| Selenium | 0,60 | 0,01 | | | $\mu\text{g/l}$ | |
| Silver | 0,140 | 0,005 | <0,5 | | $\mu\text{g/l}$ | • |
| Uranium | 1,96 | 0,02 | | | $\mu\text{g/l}$ | |
| Zinc | 10,05 | 0,11 | 11,08 | 1,108 | $\mu\text{g/l}$ | 110% |



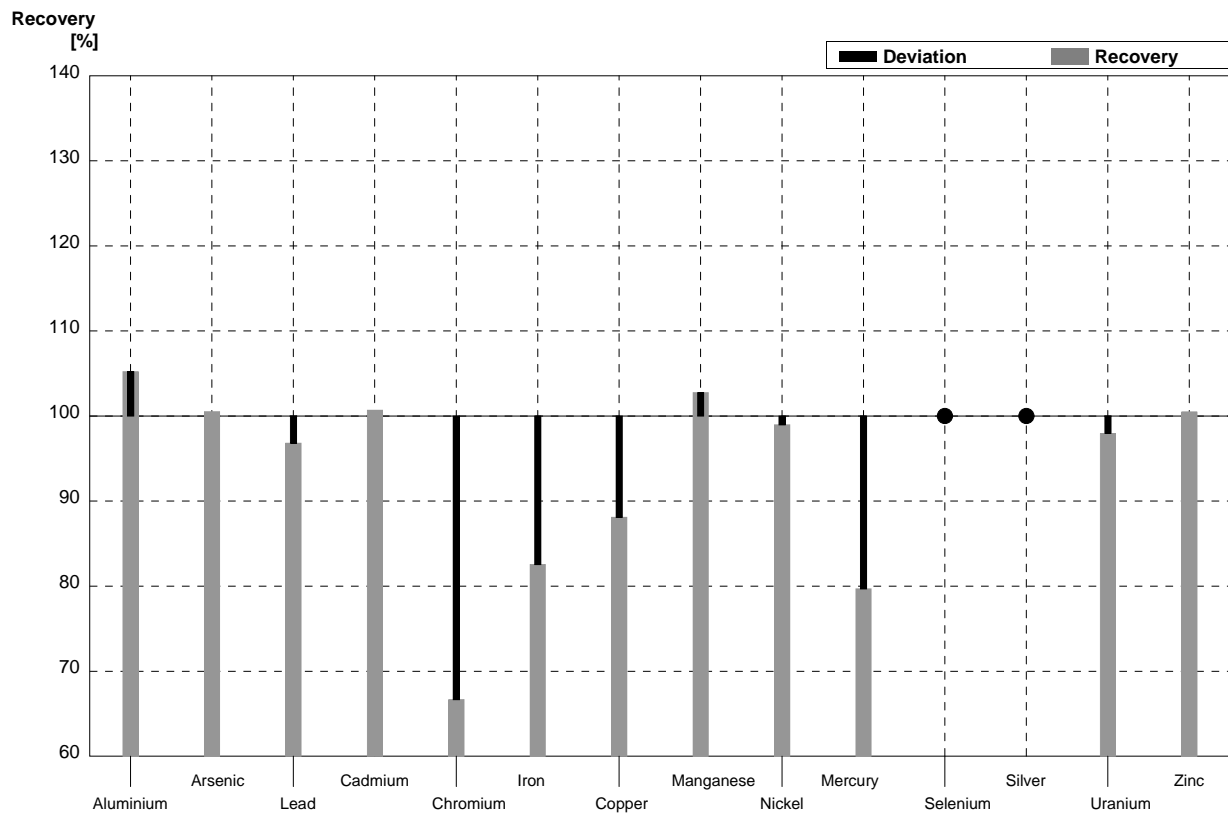
Sample M106B
Laboratory A

| Parameter | Target value | ± U (k=2) | Result | ± | Unit | Recovery |
|-----------|--------------|-----------|----------|---------|------|----------|
| Aluminium | 17,6 | 0,1 | 20,18 | 2,018 | µg/l | 115% |
| Arsenic | 1,25 | 0,01 | 1,36 | 0,163 | µg/l | 109% |
| Lead | 2,69 | 0,02 | 2,76 | 0,2208 | µg/l | 103% |
| Cadmium | 0,56 | 0,01 | 0,56 | 0,0448 | µg/l | 100% |
| Chromium | 10,06 | 0,10 | 10,99 | 1,3188 | µg/l | 109% |
| Iron | 64,7 | 0,3 | 75,69 | 19,6794 | µg/l | 117% |
| Copper | 8,47 | 0,19 | 8,88 | 0,7104 | µg/l | 105% |
| Manganese | 14,1 | 0,1 | 15,11 | 1,511 | µg/l | 107% |
| Nickel | 0,32 | 0,02 | (,.)0,03 | | µg/l | |
| Mercury | 1,24 | 0,02 | 1,3 | 0,16 | µg/l | 105% |
| Selenium | 1,80 | 0,01 | | | µg/l | |
| Silver | 0,070 | 0,002 | <0,5 | | µg/l | • |
| Uranium | 2,72 | 0,02 | | | µg/l | |
| Zinc | 17,7 | 0,1 | 19,17 | 1,917 | µg/l | 108% |



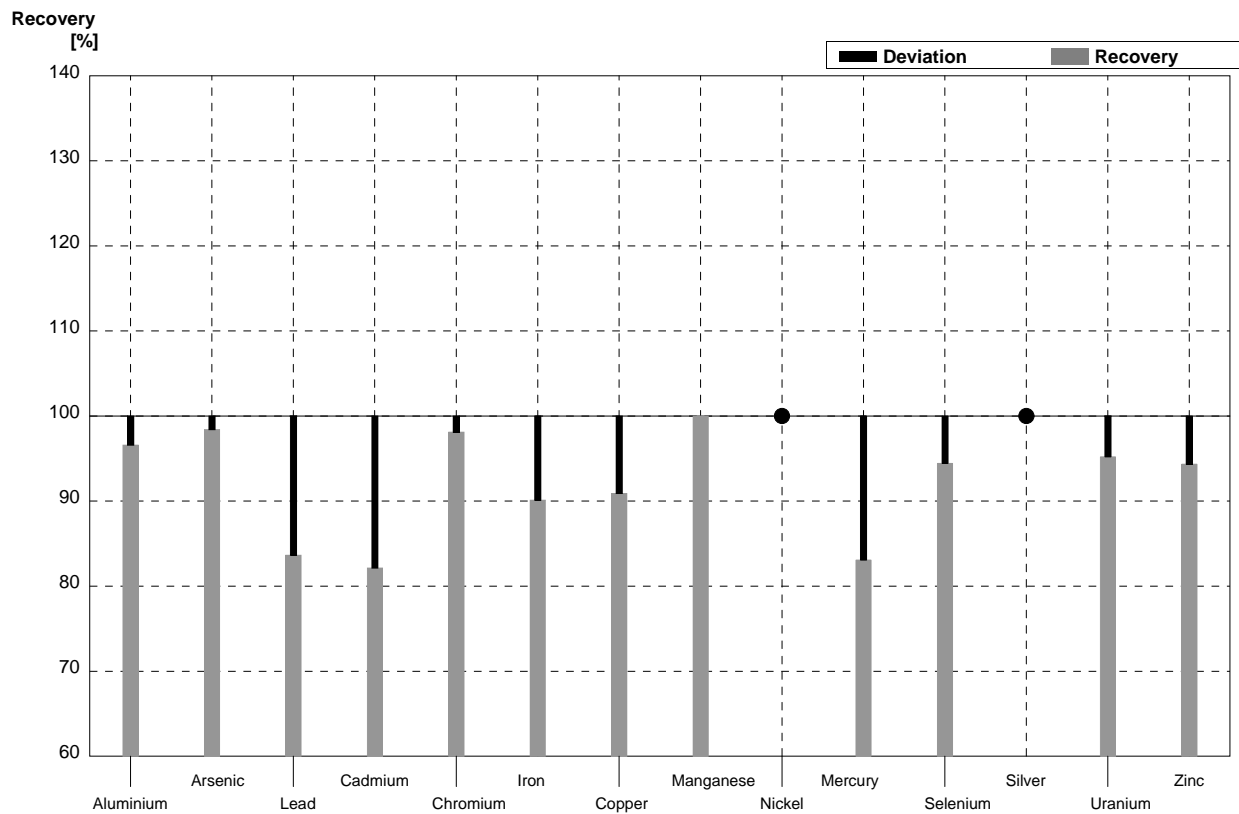
Sample M106A
Laboratory B

| Parameter | Target value | $\pm U (k=2)$ | Result | \pm | Unit | Recovery |
|-----------|--------------|---------------|--------|-------|-----------------|----------|
| Aluminium | 47,9 | 0,3 | 50,4 | 5,04 | $\mu\text{g/l}$ | 105% |
| Arsenic | 3,85 | 0,03 | 3,87 | 0,39 | $\mu\text{g/l}$ | 101% |
| Lead | 10,07 | 0,10 | 9,75 | 0,98 | $\mu\text{g/l}$ | 97% |
| Cadmium | 1,45 | 0,01 | 1,46 | 0,15 | $\mu\text{g/l}$ | 101% |
| Chromium | 1,53 | 0,01 | 1,02 | 0,10 | $\mu\text{g/l}$ | 67% |
| Iron | 32,1 | 0,2 | 26,5 | 2,6 | $\mu\text{g/l}$ | 83% |
| Copper | 4,79 | 0,13 | 4,22 | 0,42 | $\mu\text{g/l}$ | 88% |
| Manganese | 39,8 | 0,2 | 40,9 | 4,09 | $\mu\text{g/l}$ | 103% |
| Nickel | 0,97 | 0,02 | 0,96 | 0,01 | $\mu\text{g/l}$ | 99% |
| Mercury | 0,64 | 0,01 | 0,51 | 0,07 | $\mu\text{g/l}$ | 80% |
| Selenium | 0,60 | 0,01 | <1 | | $\mu\text{g/l}$ | • |
| Silver | 0,140 | 0,005 | <1 | | $\mu\text{g/l}$ | • |
| Uranium | 1,96 | 0,02 | 1,92 | 0,19 | $\mu\text{g/l}$ | 98% |
| Zinc | 10,05 | 0,11 | 10,1 | 1,0 | $\mu\text{g/l}$ | 100% |



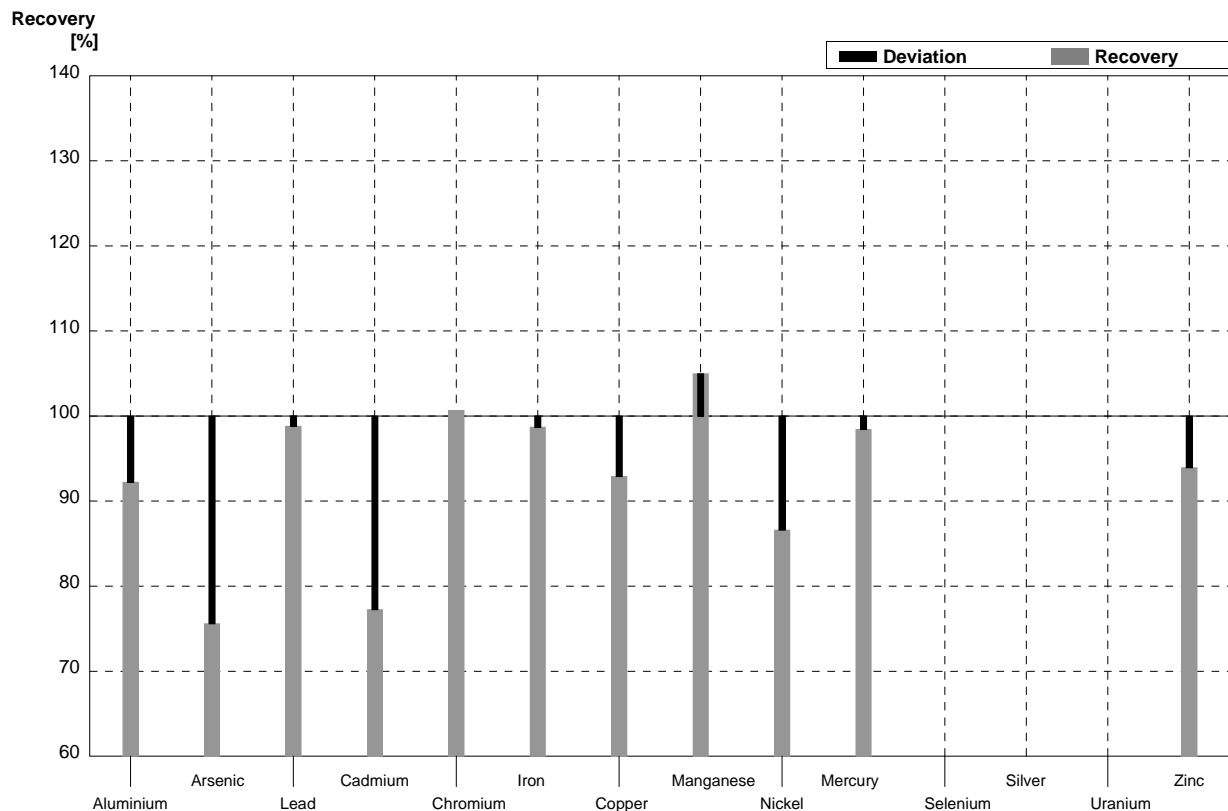
Sample M106B
Laboratory B

| Parameter | Target value | $\pm U (k=2)$ | Result | \pm | Unit | Recovery |
|-----------|--------------|---------------|--------|-------|-----------------|----------|
| Aluminium | 17,6 | 0,1 | 17,0 | 1,70 | $\mu\text{g/l}$ | 97% |
| Arsenic | 1,25 | 0,01 | 1,23 | 0,12 | $\mu\text{g/l}$ | 98% |
| Lead | 2,69 | 0,02 | 2,25 | 0,25 | $\mu\text{g/l}$ | 84% |
| Cadmium | 0,56 | 0,01 | 0,46 | 0,05 | $\mu\text{g/l}$ | 82% |
| Chromium | 10,06 | 0,10 | 9,87 | 0,98 | $\mu\text{g/l}$ | 98% |
| Iron | 64,7 | 0,3 | 58,3 | 5,7 | $\mu\text{g/l}$ | 90% |
| Copper | 8,47 | 0,19 | 7,70 | 0,77 | $\mu\text{g/l}$ | 91% |
| Manganese | 14,1 | 0,1 | 14,1 | 1,41 | $\mu\text{g/l}$ | 100% |
| Nickel | 0,32 | 0,02 | <1 | | $\mu\text{g/l}$ | • |
| Mercury | 1,24 | 0,02 | 1,03 | 0,10 | $\mu\text{g/l}$ | 83% |
| Selenium | 1,80 | 0,01 | 1,70 | 0,17 | $\mu\text{g/l}$ | 94% |
| Silver | 0,070 | 0,002 | <1 | | $\mu\text{g/l}$ | • |
| Uranium | 2,72 | 0,02 | 2,59 | 0,26 | $\mu\text{g/l}$ | 95% |
| Zinc | 17,7 | 0,1 | 16,7 | 1,6 | $\mu\text{g/l}$ | 94% |



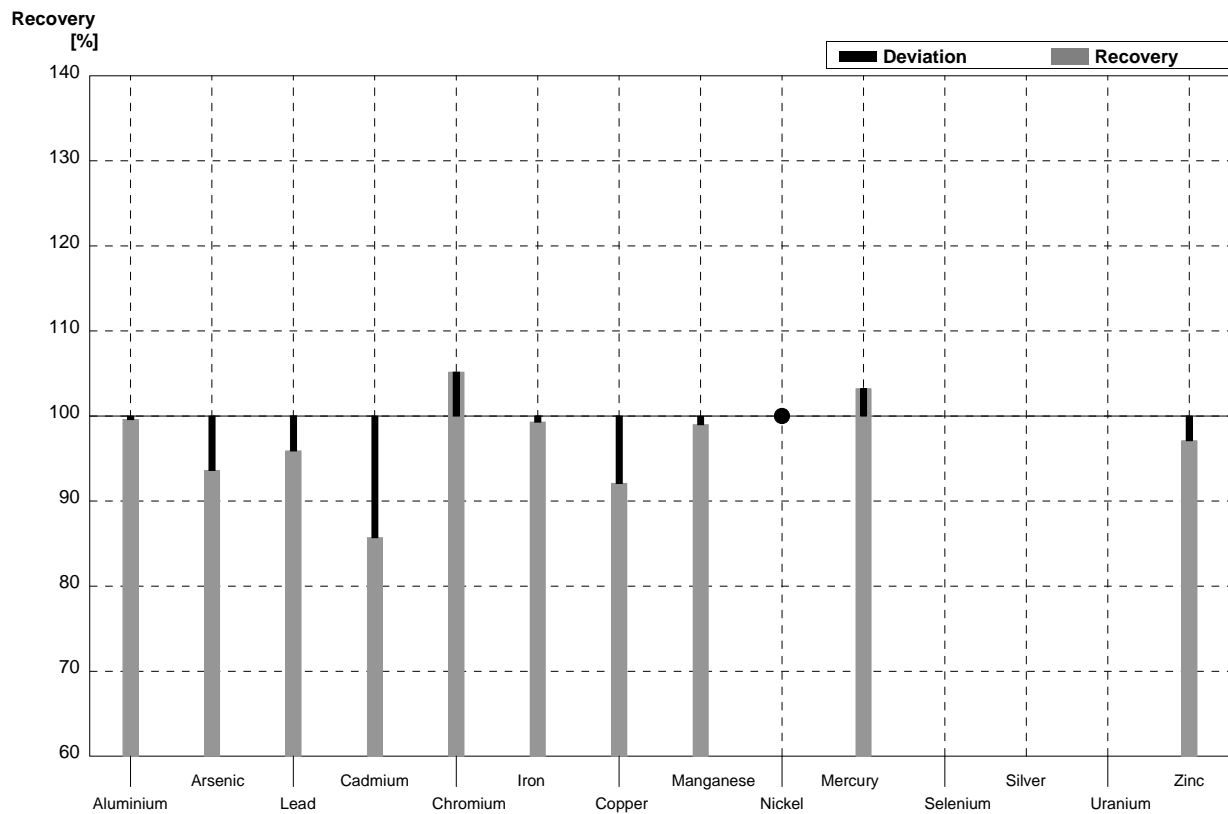
Sample M106A
Laboratory C

| Parameter | Target value | ± U (k=2) | Result | ± | Unit | Recovery |
|-----------|--------------|-----------|--------|------|------|----------|
| Aluminium | 47,9 | 0,3 | 44,18 | 1,33 | µg/l | 92% |
| Arsenic | 3,85 | 0,03 | 2,91 | 0,17 | µg/l | 76% |
| Lead | 10,07 | 0,10 | 9,95 | 0,30 | µg/l | 99% |
| Cadmium | 1,45 | 0,01 | 1,12 | 0,04 | µg/l | 77% |
| Chromium | 1,53 | 0,01 | 1,54 | 0,05 | µg/l | 101% |
| Iron | 32,1 | 0,2 | 31,68 | 0,95 | µg/l | 99% |
| Copper | 4,79 | 0,13 | 4,45 | 0,13 | µg/l | 93% |
| Manganese | 39,8 | 0,2 | 41,78 | 1,25 | µg/l | 105% |
| Nickel | 0,97 | 0,02 | 0,84 | 0,05 | µg/l | 87% |
| Mercury | 0,64 | 0,01 | 0,63 | 0,04 | µg/l | 98% |
| Selenium | 0,60 | 0,01 | | | µg/l | |
| Silver | 0,140 | 0,005 | | | µg/l | |
| Uranium | 1,96 | 0,02 | | | µg/l | |
| Zinc | 10,05 | 0,11 | 9,44 | 0,29 | µg/l | 94% |



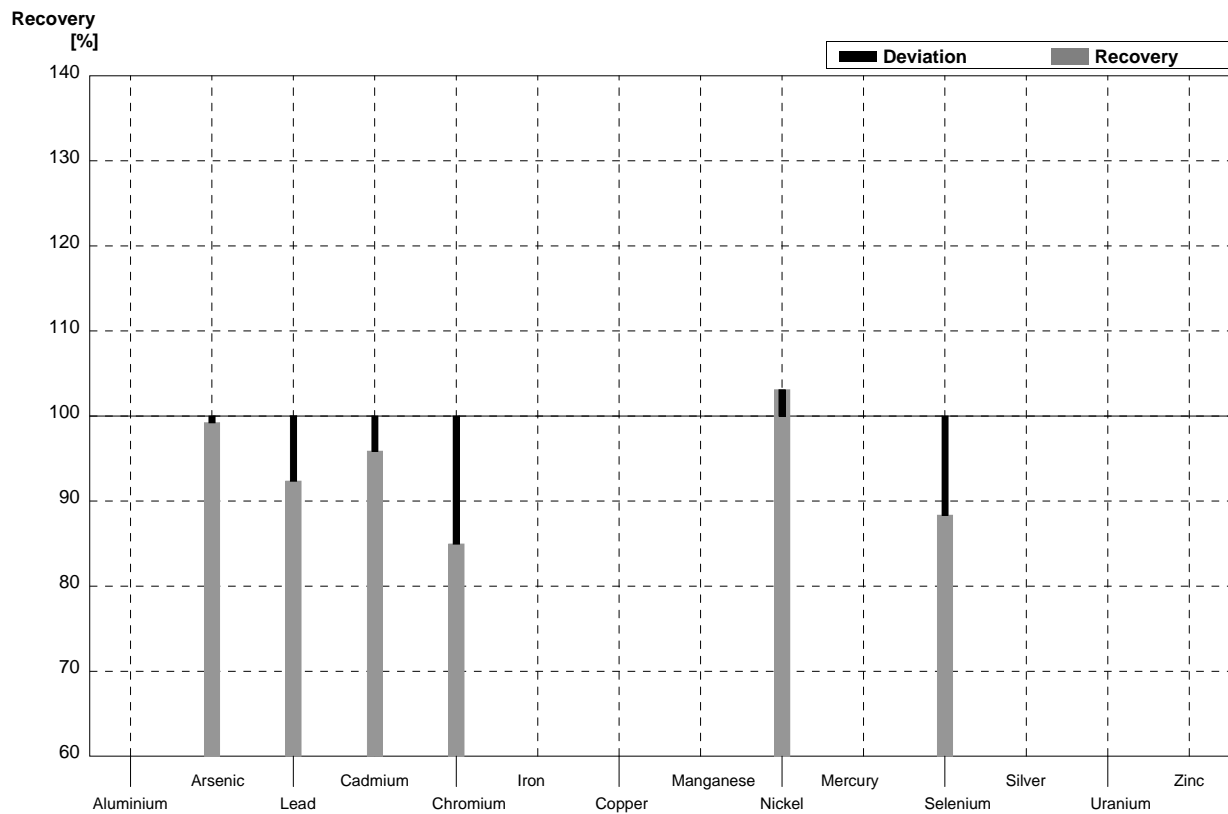
Sample M106B
Laboratory C

| Parameter | Target value | $\pm U (k=2)$ | Result | \pm | Unit | Recovery |
|-----------|--------------|---------------|--------|-------|-----------------|----------|
| Aluminium | 17,6 | 0,1 | 17,53 | 0,53 | $\mu\text{g/l}$ | 100% |
| Arsenic | 1,25 | 0,01 | 1,17 | 0,07 | $\mu\text{g/l}$ | 94% |
| Lead | 2,69 | 0,02 | 2,58 | 0,08 | $\mu\text{g/l}$ | 96% |
| Cadmium | 0,56 | 0,01 | 0,48 | 0,01 | $\mu\text{g/l}$ | 86% |
| Chromium | 10,06 | 0,10 | 10,58 | 0,32 | $\mu\text{g/l}$ | 105% |
| Iron | 64,7 | 0,3 | 64,25 | 1,93 | $\mu\text{g/l}$ | 99% |
| Copper | 8,47 | 0,19 | 7,80 | 0,23 | $\mu\text{g/l}$ | 92% |
| Manganese | 14,1 | 0,1 | 13,96 | 0,42 | $\mu\text{g/l}$ | 99% |
| Nickel | 0,32 | 0,02 | <1,0 | | $\mu\text{g/l}$ | • |
| Mercury | 1,24 | 0,02 | 1,28 | 0,09 | $\mu\text{g/l}$ | 103% |
| Selenium | 1,80 | 0,01 | | | $\mu\text{g/l}$ | |
| Silver | 0,070 | 0,002 | | | $\mu\text{g/l}$ | |
| Uranium | 2,72 | 0,02 | | | $\mu\text{g/l}$ | |
| Zinc | 17,7 | 0,1 | 17,19 | 0,52 | $\mu\text{g/l}$ | 97% |



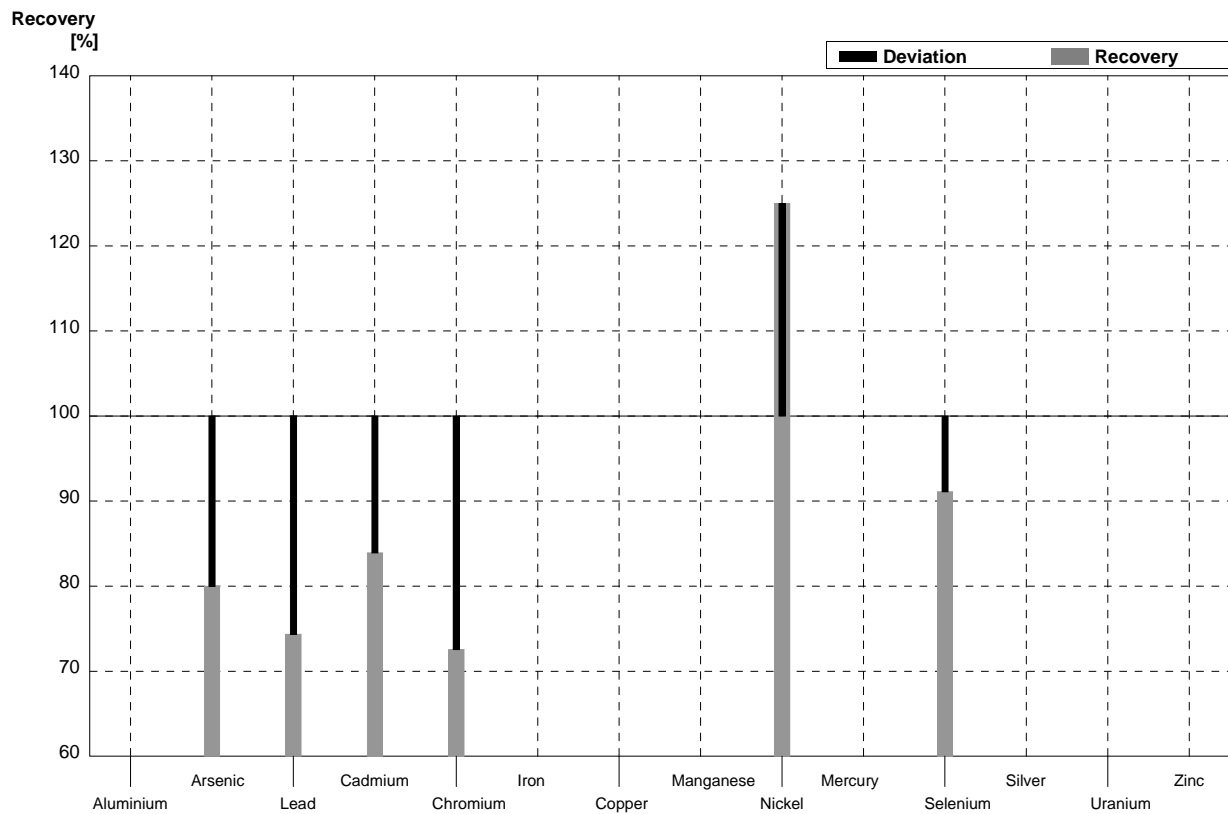
Sample M106A
Laboratory D

| Parameter | Target value | $\pm U (k=2)$ | Result | \pm | Unit | Recovery |
|-----------|--------------|---------------|--------|-------|-----------------|----------|
| Aluminium | 47,9 | 0,3 | | | $\mu\text{g/l}$ | |
| Arsenic | 3,85 | 0,03 | 3,82 | 0,36 | $\mu\text{g/l}$ | 99% |
| Lead | 10,07 | 0,10 | 9,3 | 0,1 | $\mu\text{g/l}$ | 92% |
| Cadmium | 1,45 | 0,01 | 1,39 | 0,02 | $\mu\text{g/l}$ | 96% |
| Chromium | 1,53 | 0,01 | 1,3 | 0,2 | $\mu\text{g/l}$ | 85% |
| Iron | 32,1 | 0,2 | | | $\mu\text{g/l}$ | |
| Copper | 4,79 | 0,13 | | | $\mu\text{g/l}$ | |
| Manganese | 39,8 | 0,2 | | | $\mu\text{g/l}$ | |
| Nickel | 0,97 | 0,02 | 1,0 | 0,1 | $\mu\text{g/l}$ | 103% |
| Mercury | 0,64 | 0,01 | | | $\mu\text{g/l}$ | |
| Selenium | 0,60 | 0,01 | 0,53 | 0,06 | $\mu\text{g/l}$ | 88% |
| Silver | 0,140 | 0,005 | | | $\mu\text{g/l}$ | |
| Uranium | 1,96 | 0,02 | | | $\mu\text{g/l}$ | |
| Zinc | 10,05 | 0,11 | | | $\mu\text{g/l}$ | |



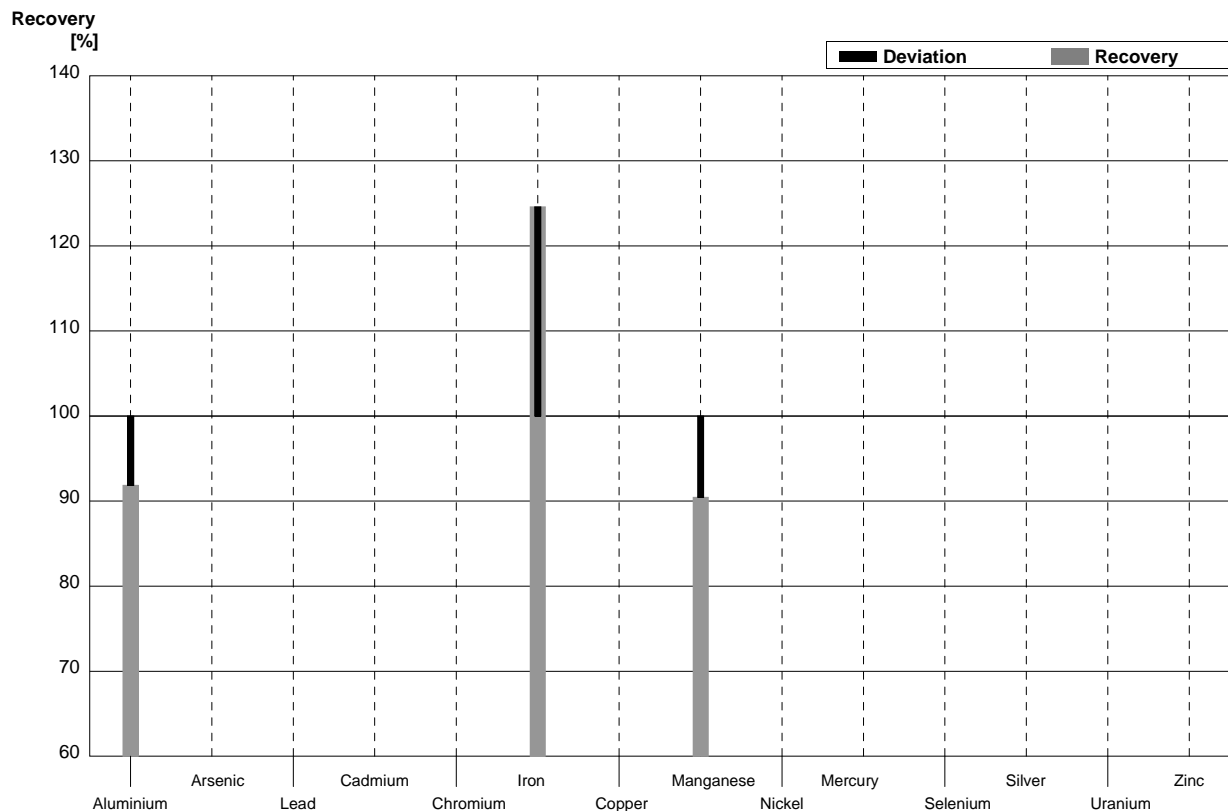
Sample M106B
Laboratory D

| Parameter | Target value | ± U (k=2) | Result | ± | Unit | Recovery |
|-----------|--------------|-----------|--------|------|------|----------|
| Aluminium | 17,6 | 0,1 | | | µg/l | |
| Arsenic | 1,25 | 0,01 | 1,00 | 0,10 | µg/l | 80% |
| Lead | 2,69 | 0,02 | 2,0 | 0,2 | µg/l | 74% |
| Cadmium | 0,56 | 0,01 | 0,47 | 0,01 | µg/l | 84% |
| Chromium | 10,06 | 0,10 | 7,3 | 0,1 | µg/l | 73% |
| Iron | 64,7 | 0,3 | | | µg/l | |
| Copper | 8,47 | 0,19 | | | µg/l | |
| Manganese | 14,1 | 0,1 | | | µg/l | |
| Nickel | 0,32 | 0,02 | 0,4 | 0,1 | µg/l | 125% |
| Mercury | 1,24 | 0,02 | | | µg/l | |
| Selenium | 1,80 | 0,01 | 1,64 | 0,06 | µg/l | 91% |
| Silver | 0,070 | 0,002 | | | µg/l | |
| Uranium | 2,72 | 0,02 | | | µg/l | |
| Zinc | 17,7 | 0,1 | | | µg/l | |



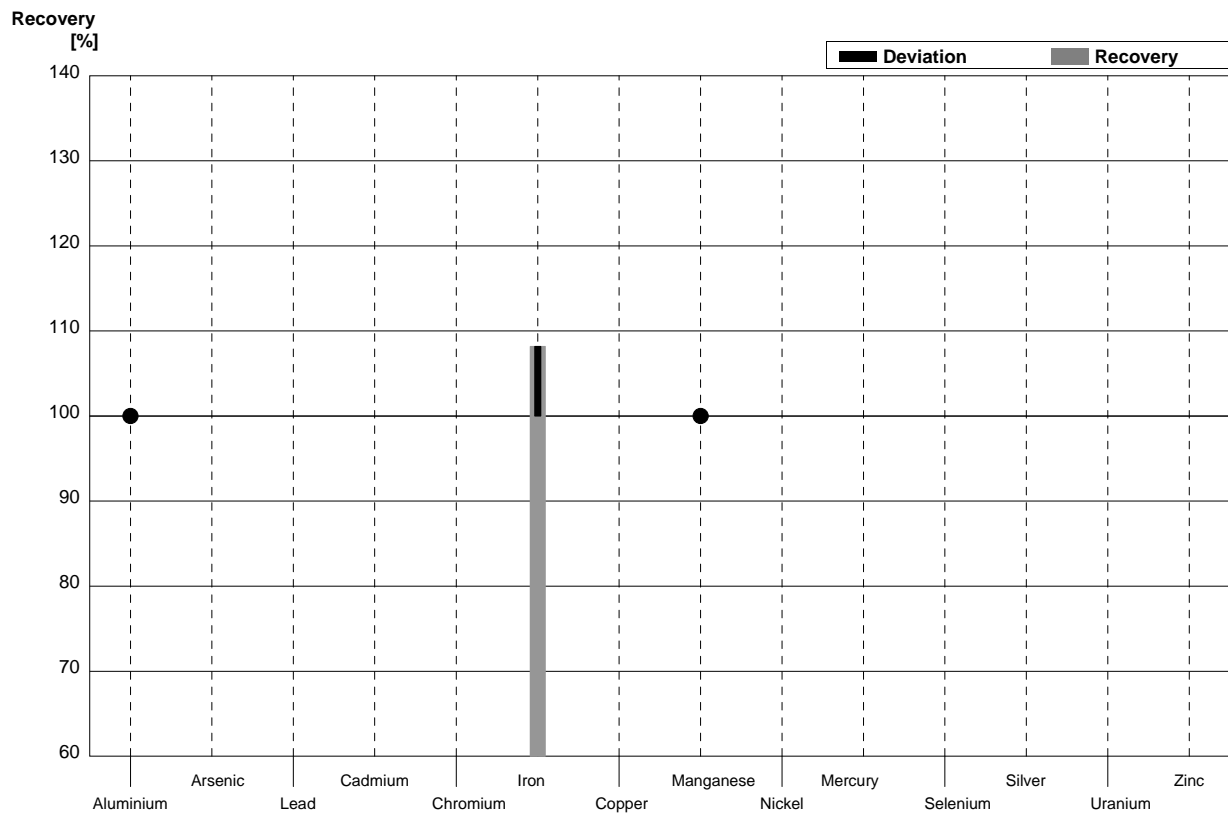
Sample M106A
Laboratory E

| Parameter | Target value | $\pm U (k=2)$ | Result | \pm | Unit | Recovery |
|-----------|--------------|---------------|--------|-------|-----------------|----------|
| Aluminium | 47,9 | 0,3 | 44 | 13,6 | $\mu\text{g/l}$ | 92% |
| Arsenic | 3,85 | 0,03 | | | $\mu\text{g/l}$ | |
| Lead | 10,07 | 0,10 | | | $\mu\text{g/l}$ | |
| Cadmium | 1,45 | 0,01 | | | $\mu\text{g/l}$ | |
| Chromium | 1,53 | 0,01 | | | $\mu\text{g/l}$ | |
| Iron | 32,1 | 0,2 | 40 | 16 | $\mu\text{g/l}$ | 125% |
| Copper | 4,79 | 0,13 | | | $\mu\text{g/l}$ | |
| Manganese | 39,8 | 0,2 | 36 | 5,8 | $\mu\text{g/l}$ | 90% |
| Nickel | 0,97 | 0,02 | | | $\mu\text{g/l}$ | |
| Mercury | 0,64 | 0,01 | | | $\mu\text{g/l}$ | |
| Selenium | 0,60 | 0,01 | | | $\mu\text{g/l}$ | |
| Silver | 0,140 | 0,005 | | | $\mu\text{g/l}$ | |
| Uranium | 1,96 | 0,02 | | | $\mu\text{g/l}$ | |
| Zinc | 10,05 | 0,11 | | | $\mu\text{g/l}$ | |



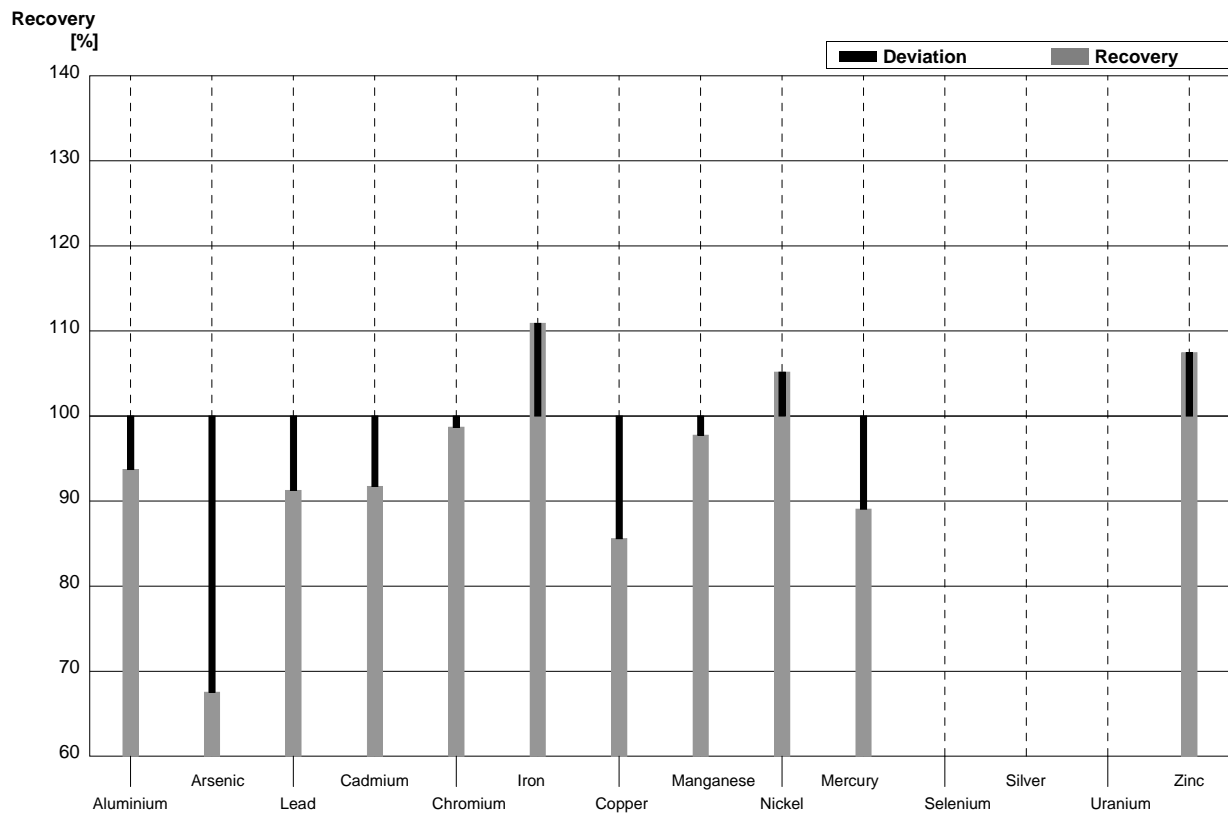
Sample M106B
Laboratory E

| Parameter | Target value | $\pm U (k=2)$ | Result | \pm | Unit | Recovery |
|-----------|--------------|---------------|--------|-------|-----------------|----------|
| Aluminium | 17,6 | 0,1 | <20 | | $\mu\text{g/l}$ | • |
| Arsenic | 1,25 | 0,01 | | | $\mu\text{g/l}$ | |
| Lead | 2,69 | 0,02 | | | $\mu\text{g/l}$ | |
| Cadmium | 0,56 | 0,01 | | | $\mu\text{g/l}$ | |
| Chromium | 10,06 | 0,10 | | | $\mu\text{g/l}$ | |
| Iron | 64,7 | 0,3 | 70 | 29 | $\mu\text{g/l}$ | 108% |
| Copper | 8,47 | 0,19 | | | $\mu\text{g/l}$ | |
| Manganese | 14,1 | 0,1 | <20 | | $\mu\text{g/l}$ | • |
| Nickel | 0,32 | 0,02 | | | $\mu\text{g/l}$ | |
| Mercury | 1,24 | 0,02 | | | $\mu\text{g/l}$ | |
| Selenium | 1,80 | 0,01 | | | $\mu\text{g/l}$ | |
| Silver | 0,070 | 0,002 | | | $\mu\text{g/l}$ | |
| Uranium | 2,72 | 0,02 | | | $\mu\text{g/l}$ | |
| Zinc | 17,7 | 0,1 | | | $\mu\text{g/l}$ | |



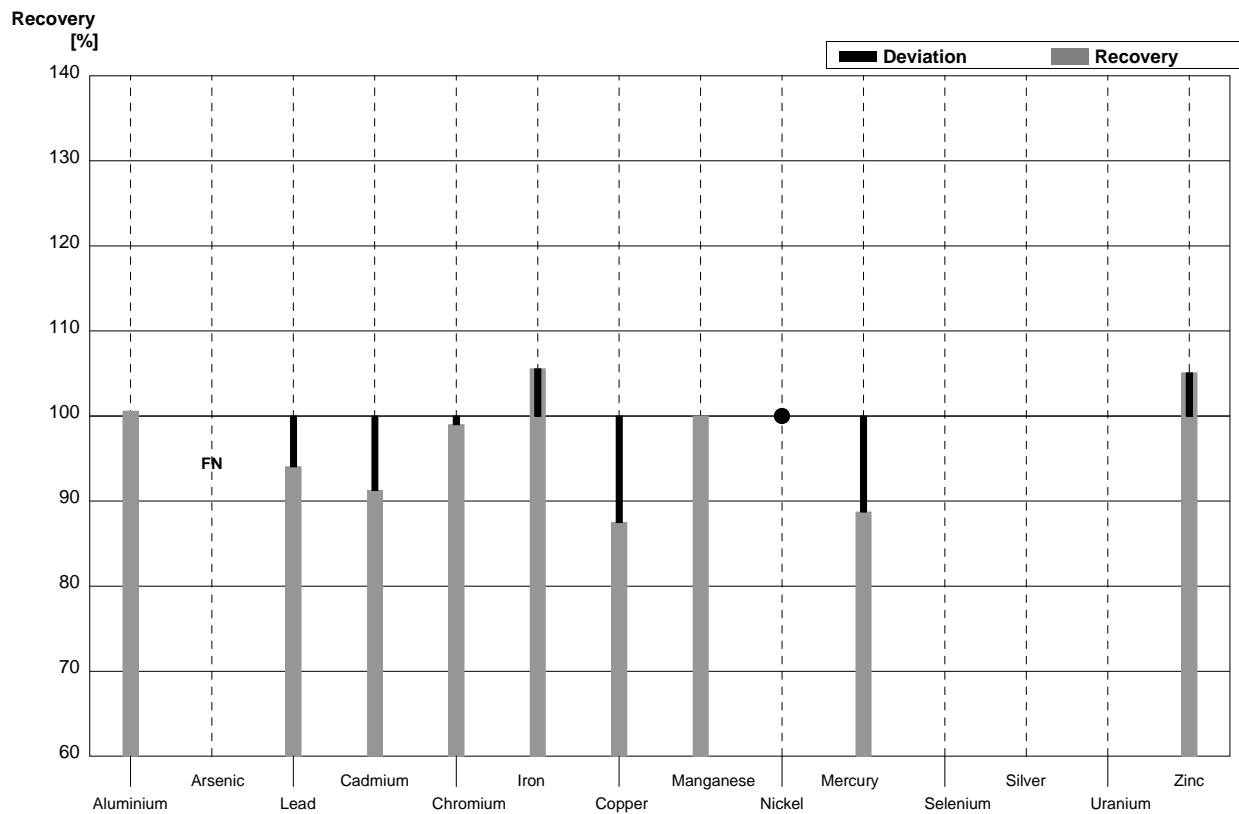
Sample M106A
Laboratory F

| Parameter | Target value | $\pm U (k=2)$ | Result | \pm | Unit | Recovery |
|-----------|--------------|---------------|--------|-------|-----------------|----------|
| Aluminium | 47,9 | 0,3 | 44,9 | 1,69 | $\mu\text{g/l}$ | 94% |
| Arsenic | 3,85 | 0,03 | 2,60 | 0,14 | $\mu\text{g/l}$ | 68% |
| Lead | 10,07 | 0,10 | 9,19 | 0,07 | $\mu\text{g/l}$ | 91% |
| Cadmium | 1,45 | 0,01 | 1,33 | 0,038 | $\mu\text{g/l}$ | 92% |
| Chromium | 1,53 | 0,01 | 1,51 | 0,22 | $\mu\text{g/l}$ | 99% |
| Iron | 32,1 | 0,2 | 35,6 | 1,63 | $\mu\text{g/l}$ | 111% |
| Copper | 4,79 | 0,13 | 4,10 | 0,08 | $\mu\text{g/l}$ | 86% |
| Manganese | 39,8 | 0,2 | 38,9 | 0,56 | $\mu\text{g/l}$ | 98% |
| Nickel | 0,97 | 0,02 | 1,02 | 0,11 | $\mu\text{g/l}$ | 105% |
| Mercury | 0,64 | 0,01 | 0,57 | 0,040 | $\mu\text{g/l}$ | 89% |
| Selenium | 0,60 | 0,01 | | | $\mu\text{g/l}$ | |
| Silver | 0,140 | 0,005 | | | $\mu\text{g/l}$ | |
| Uranium | 1,96 | 0,02 | | | $\mu\text{g/l}$ | |
| Zinc | 10,05 | 0,11 | 10,8 | 1,22 | $\mu\text{g/l}$ | 107% |



Sample M106B
Laboratory F

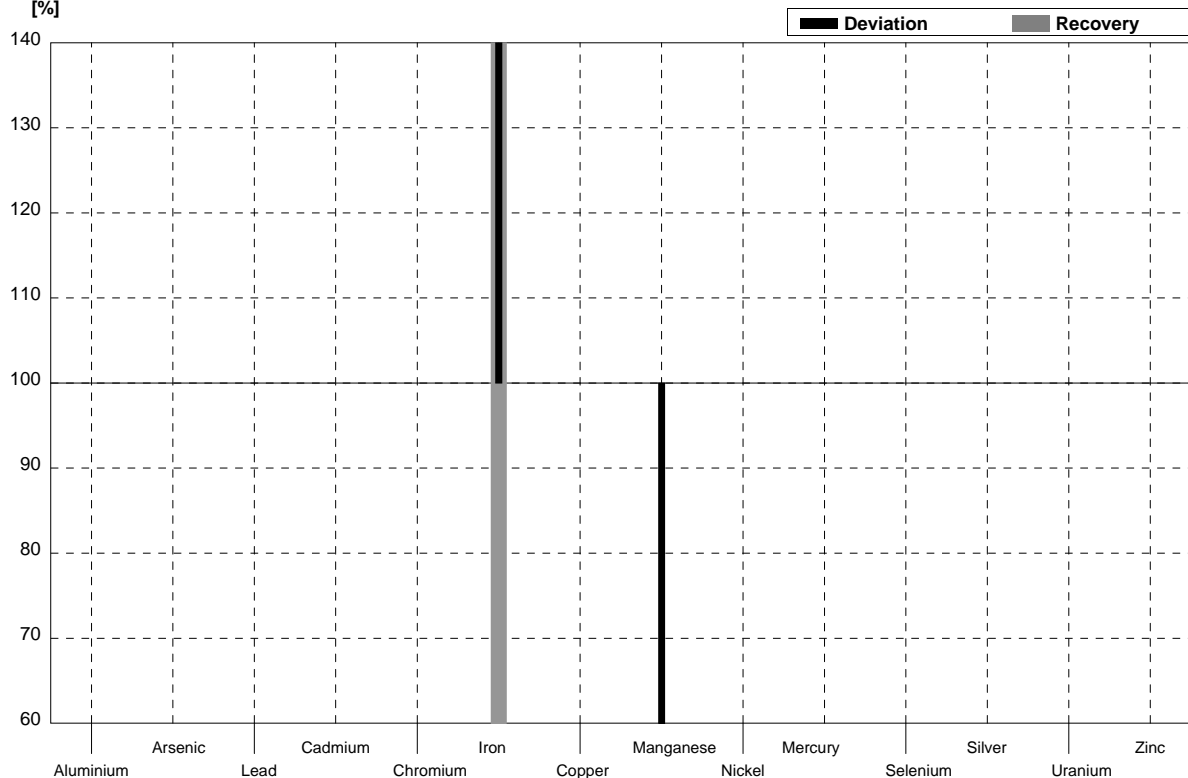
| Parameter | Target value | ± U (k=2) | Result | ± | Unit | Recovery |
|-----------|--------------|-----------|--------|-------|------|----------|
| Aluminium | 17,6 | 0,1 | 17,7 | 1,81 | µg/l | 101% |
| Arsenic | 1,25 | 0,01 | [0,12] | | µg/l | FN |
| Lead | 2,69 | 0,02 | 2,53 | 0,05 | µg/l | 94% |
| Cadmium | 0,56 | 0,01 | 0,511 | 0,030 | µg/l | 91% |
| Chromium | 10,06 | 0,10 | 9,96 | 0,18 | µg/l | 99% |
| Iron | 64,7 | 0,3 | 68,3 | 1,62 | µg/l | 106% |
| Copper | 8,47 | 0,19 | 7,41 | 0,06 | µg/l | 87% |
| Manganese | 14,1 | 0,1 | 14,1 | 0,56 | µg/l | 100% |
| Nickel | 0,32 | 0,02 | <1,00 | | µg/l | • |
| Mercury | 1,24 | 0,02 | 1,10 | 0,040 | µg/l | 89% |
| Selenium | 1,80 | 0,01 | | | µg/l | |
| Silver | 0,070 | 0,002 | | | µg/l | |
| Uranium | 2,72 | 0,02 | | | µg/l | |
| Zinc | 17,7 | 0,1 | 18,6 | 1,97 | µg/l | 105% |



Sample M106A
Laboratory G

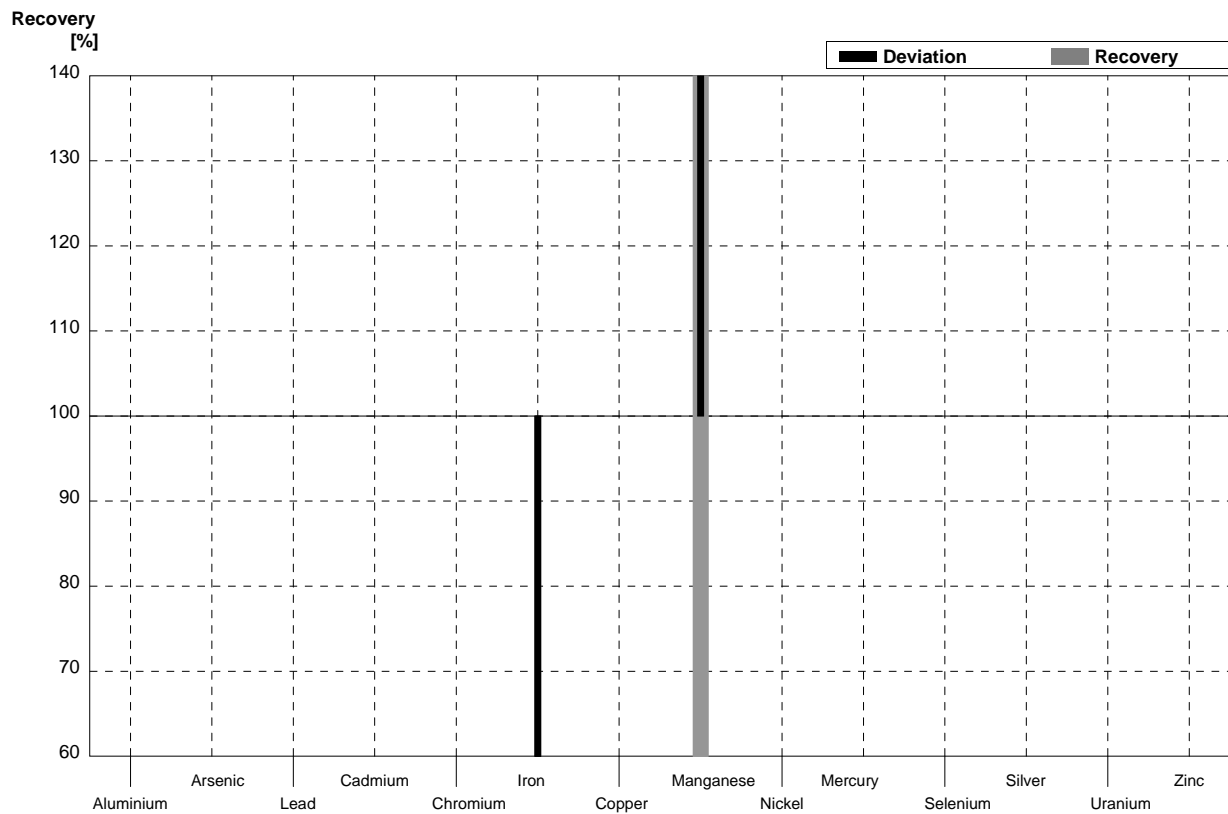
| Parameter | Target value | $\pm U (k=2)$ | Result | \pm | Unit | Recovery |
|-----------|--------------|---------------|--------|-------|-----------------|----------|
| Aluminium | 47,9 | 0,3 | | | $\mu\text{g/l}$ | |
| Arsenic | 3,85 | 0,03 | | | $\mu\text{g/l}$ | |
| Lead | 10,07 | 0,10 | | | $\mu\text{g/l}$ | |
| Cadmium | 1,45 | 0,01 | | | $\mu\text{g/l}$ | |
| Chromium | 1,53 | 0,01 | | | $\mu\text{g/l}$ | |
| Iron | 32,1 | 0,2 | 51 | 5 | $\mu\text{g/l}$ | 159% |
| Copper | 4,79 | 0,13 | | | $\mu\text{g/l}$ | |
| Manganese | 39,8 | 0,2 | 13 | 3 | $\mu\text{g/l}$ | 33% |
| Nickel | 0,97 | 0,02 | | | $\mu\text{g/l}$ | |
| Mercury | 0,64 | 0,01 | | | $\mu\text{g/l}$ | |
| Selenium | 0,60 | 0,01 | | | $\mu\text{g/l}$ | |
| Silver | 0,140 | 0,005 | | | $\mu\text{g/l}$ | |
| Uranium | 1,96 | 0,02 | | | $\mu\text{g/l}$ | |
| Zinc | 10,05 | 0,11 | | | $\mu\text{g/l}$ | |

Recovery [%]



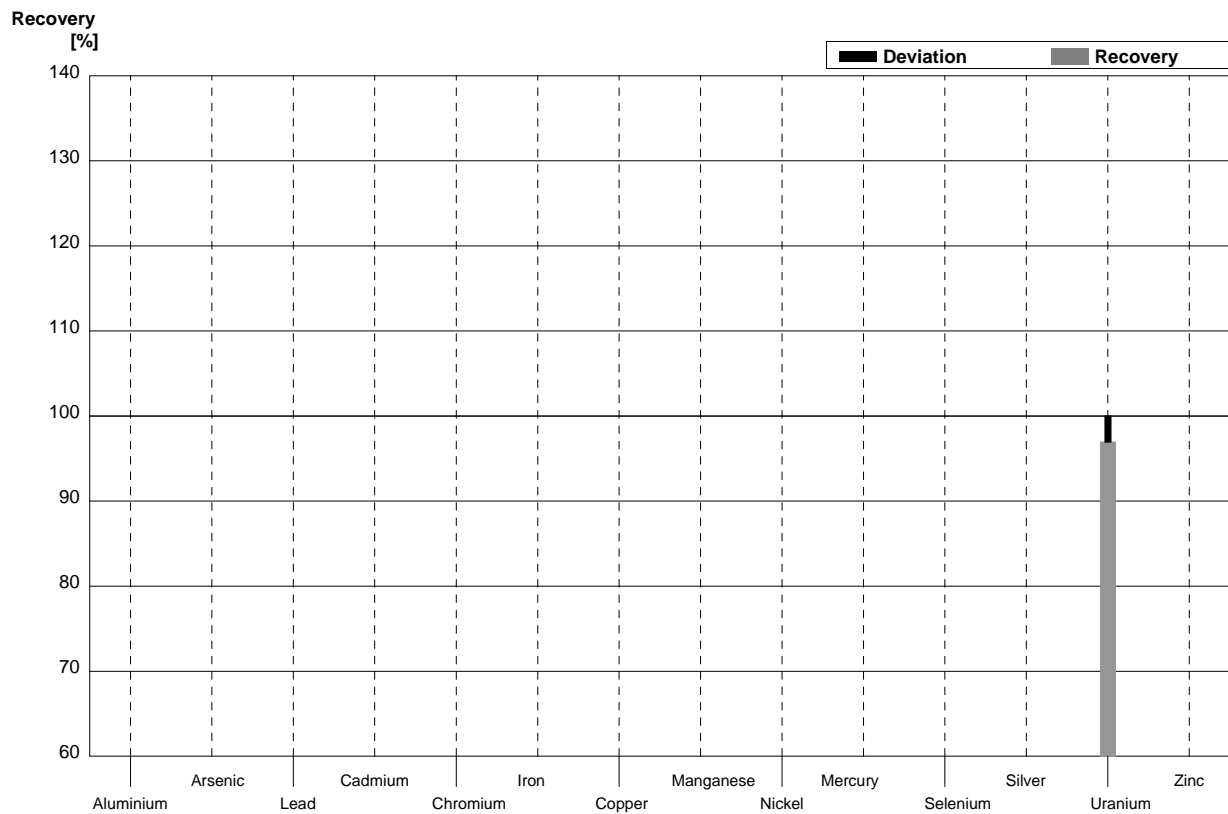
Sample M106B
Laboratory G

| Parameter | Target value | $\pm U (k=2)$ | Result | \pm | Unit | Recovery |
|-----------|--------------|---------------|--------|-------|-----------------|----------|
| Aluminium | 17,6 | 0,1 | | | $\mu\text{g/l}$ | |
| Arsenic | 1,25 | 0,01 | | | $\mu\text{g/l}$ | |
| Lead | 2,69 | 0,02 | | | $\mu\text{g/l}$ | |
| Cadmium | 0,56 | 0,01 | | | $\mu\text{g/l}$ | |
| Chromium | 10,06 | 0,10 | | | $\mu\text{g/l}$ | |
| Iron | 64,7 | 0,3 | 22 | 2 | $\mu\text{g/l}$ | 34% |
| Copper | 8,47 | 0,19 | | | $\mu\text{g/l}$ | |
| Manganese | 14,1 | 0,1 | 32 | 3 | $\mu\text{g/l}$ | 227% |
| Nickel | 0,32 | 0,02 | | | $\mu\text{g/l}$ | |
| Mercury | 1,24 | 0,02 | | | $\mu\text{g/l}$ | |
| Selenium | 1,80 | 0,01 | | | $\mu\text{g/l}$ | |
| Silver | 0,070 | 0,002 | | | $\mu\text{g/l}$ | |
| Uranium | 2,72 | 0,02 | | | $\mu\text{g/l}$ | |
| Zinc | 17,7 | 0,1 | | | $\mu\text{g/l}$ | |



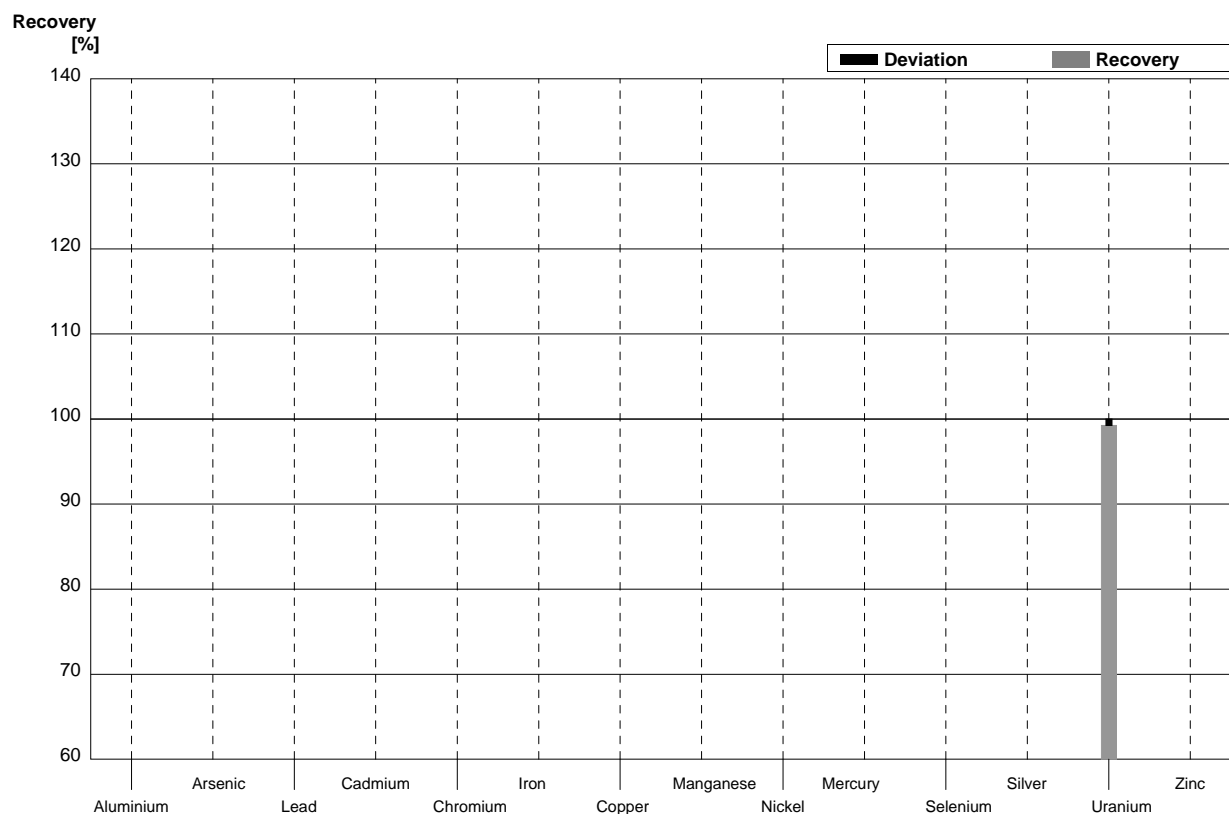
Sample M106A
Laboratory H

| Parameter | Target value | $\pm U (k=2)$ | Result | \pm | Unit | Recovery |
|-----------|--------------|---------------|--------|-------|-----------------|----------|
| Aluminium | 47,9 | 0,3 | | | $\mu\text{g/l}$ | |
| Arsenic | 3,85 | 0,03 | | | $\mu\text{g/l}$ | |
| Lead | 10,07 | 0,10 | | | $\mu\text{g/l}$ | |
| Cadmium | 1,45 | 0,01 | | | $\mu\text{g/l}$ | |
| Chromium | 1,53 | 0,01 | | | $\mu\text{g/l}$ | |
| Iron | 32,1 | 0,2 | | | $\mu\text{g/l}$ | |
| Copper | 4,79 | 0,13 | | | $\mu\text{g/l}$ | |
| Manganese | 39,8 | 0,2 | | | $\mu\text{g/l}$ | |
| Nickel | 0,97 | 0,02 | | | $\mu\text{g/l}$ | |
| Mercury | 0,64 | 0,01 | | | $\mu\text{g/l}$ | |
| Selenium | 0,60 | 0,01 | | | $\mu\text{g/l}$ | |
| Silver | 0,140 | 0,005 | | | $\mu\text{g/l}$ | |
| Uranium | 1,96 | 0,02 | 1,9 | 0,1 | $\mu\text{g/l}$ | 97% |
| Zinc | 10,05 | 0,11 | | | $\mu\text{g/l}$ | |



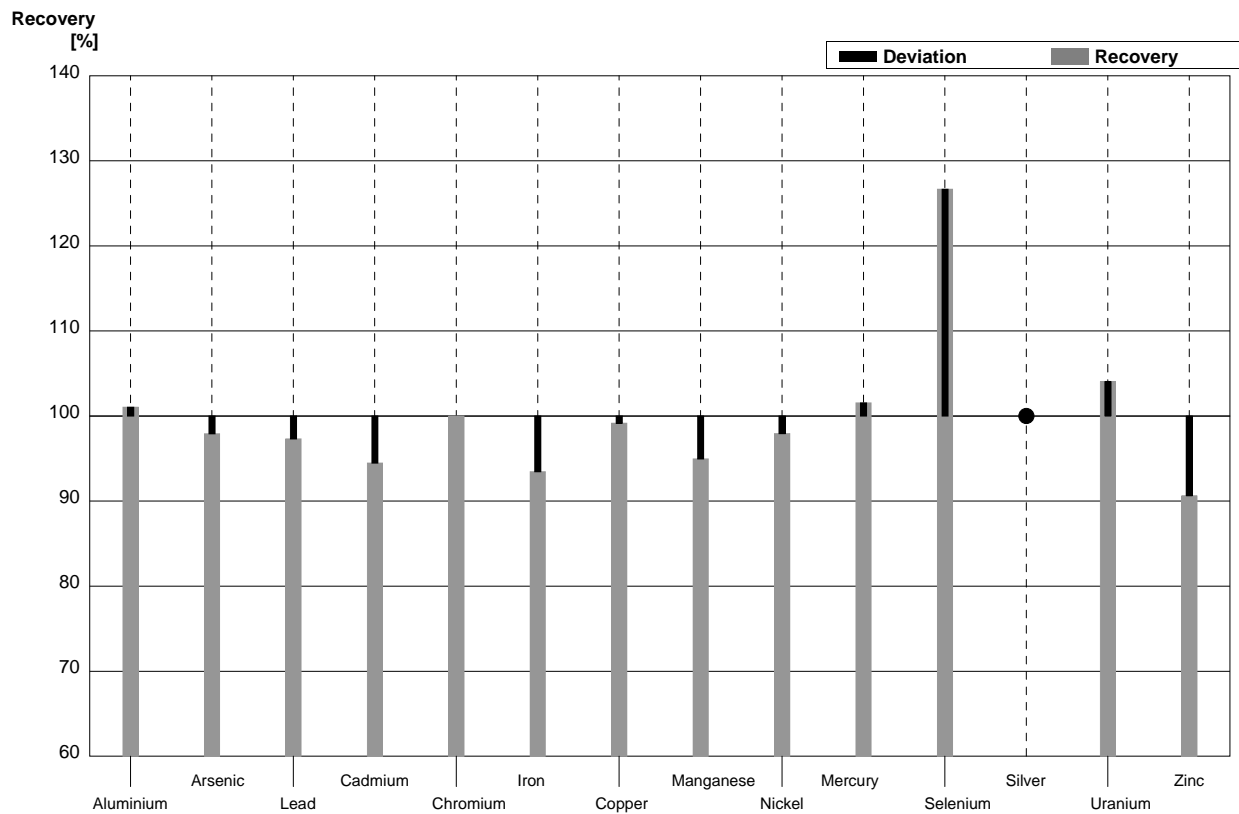
Sample M106B
Laboratory H

| Parameter | Target value | $\pm U (k=2)$ | Result | \pm | Unit | Recovery |
|-----------|--------------|---------------|--------|-------|-----------------|----------|
| Aluminium | 17,6 | 0,1 | | | $\mu\text{g/l}$ | |
| Arsenic | 1,25 | 0,01 | | | $\mu\text{g/l}$ | |
| Lead | 2,69 | 0,02 | | | $\mu\text{g/l}$ | |
| Cadmium | 0,56 | 0,01 | | | $\mu\text{g/l}$ | |
| Chromium | 10,06 | 0,10 | | | $\mu\text{g/l}$ | |
| Iron | 64,7 | 0,3 | | | $\mu\text{g/l}$ | |
| Copper | 8,47 | 0,19 | | | $\mu\text{g/l}$ | |
| Manganese | 14,1 | 0,1 | | | $\mu\text{g/l}$ | |
| Nickel | 0,32 | 0,02 | | | $\mu\text{g/l}$ | |
| Mercury | 1,24 | 0,02 | | | $\mu\text{g/l}$ | |
| Selenium | 1,80 | 0,01 | | | $\mu\text{g/l}$ | |
| Silver | 0,070 | 0,002 | | | $\mu\text{g/l}$ | |
| Uranium | 2,72 | 0,02 | 2,7 | 0,2 | $\mu\text{g/l}$ | 99% |
| Zinc | 17,7 | 0,1 | | | $\mu\text{g/l}$ | |



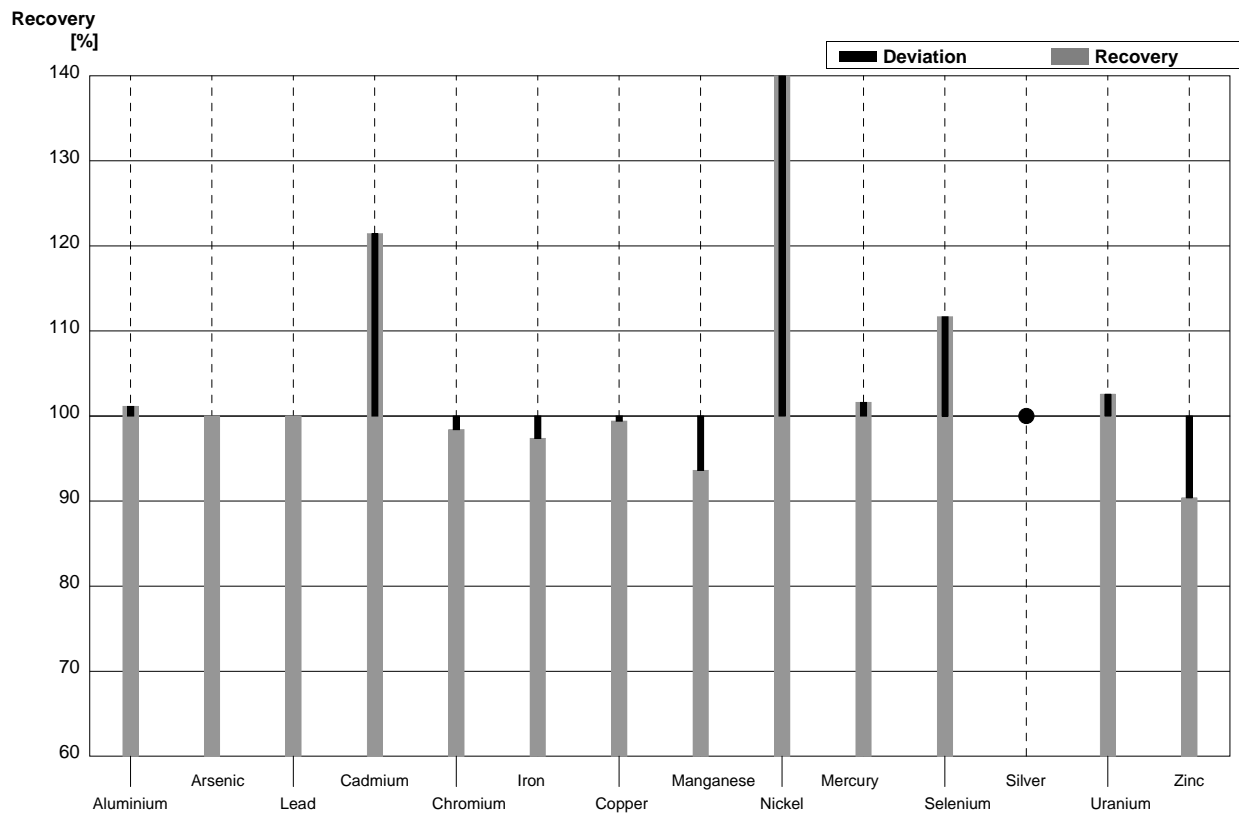
Sample M106A
Laboratory I

| Parameter | Target value | $\pm U (k=2)$ | Result | \pm | Unit | Recovery |
|-----------|--------------|---------------|--------|-------|-----------------|----------|
| Aluminium | 47,9 | 0,3 | 48,4 | 6,55 | $\mu\text{g/l}$ | 101% |
| Arsenic | 3,85 | 0,03 | 3,77 | 0,55 | $\mu\text{g/l}$ | 98% |
| Lead | 10,07 | 0,10 | 9,80 | 1,35 | $\mu\text{g/l}$ | 97% |
| Cadmium | 1,45 | 0,01 | 1,37 | 0,20 | $\mu\text{g/l}$ | 94% |
| Chromium | 1,53 | 0,01 | 1,53 | 0,23 | $\mu\text{g/l}$ | 100% |
| Iron | 32,1 | 0,2 | 30,0 | 4,10 | $\mu\text{g/l}$ | 93% |
| Copper | 4,79 | 0,13 | 4,75 | 0,74 | $\mu\text{g/l}$ | 99% |
| Manganese | 39,8 | 0,2 | 37,8 | 5,51 | $\mu\text{g/l}$ | 95% |
| Nickel | 0,97 | 0,02 | 0,95 | 0,16 | $\mu\text{g/l}$ | 98% |
| Mercury | 0,64 | 0,01 | 0,65 | 0,01 | $\mu\text{g/l}$ | 102% |
| Selenium | 0,60 | 0,01 | 0,76 | 0,095 | $\mu\text{g/l}$ | 127% |
| Silver | 0,140 | 0,005 | <0,5 | | $\mu\text{g/l}$ | • |
| Uranium | 1,96 | 0,02 | 2,04 | 0,30 | $\mu\text{g/l}$ | 104% |
| Zinc | 10,05 | 0,11 | 9,11 | 1,26 | $\mu\text{g/l}$ | 91% |



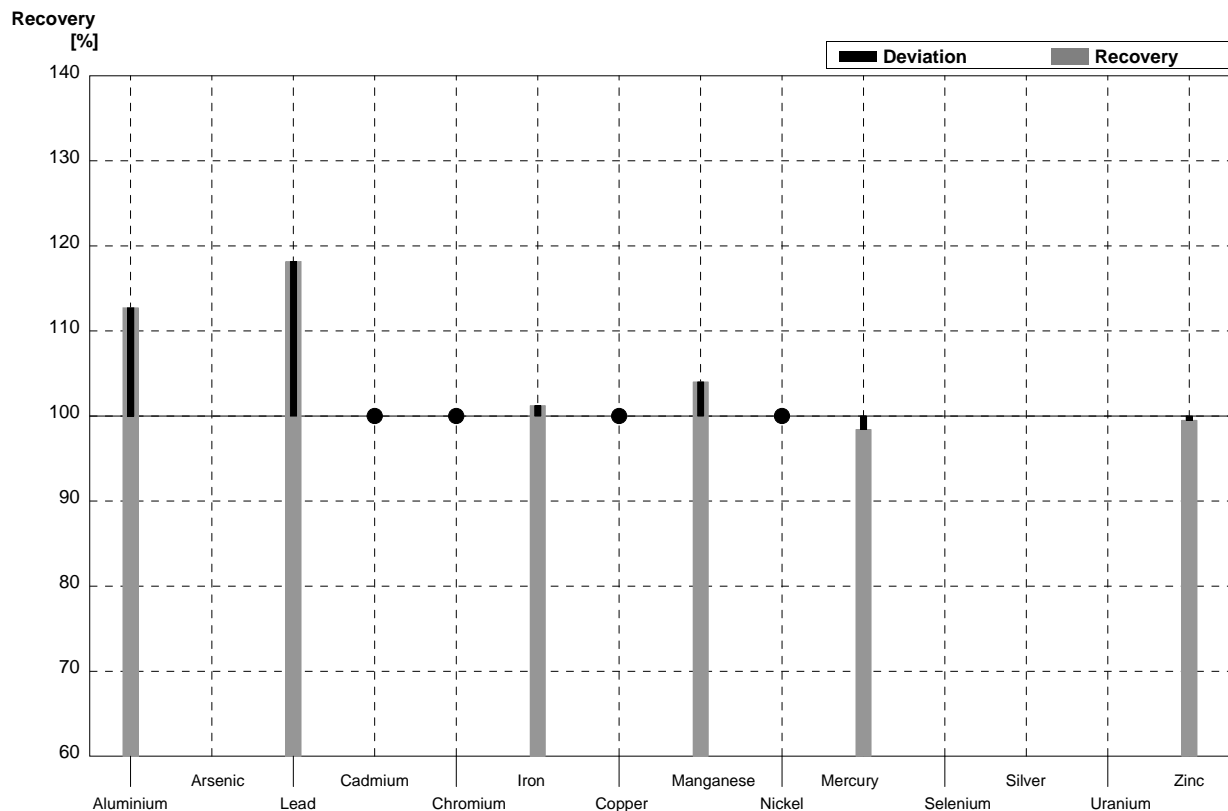
Sample M106B
Laboratory I

| Parameter | Target value | $\pm U (k=2)$ | Result | \pm | Unit | Recovery |
|-----------|--------------|---------------|--------|-------|-----------------|----------|
| Aluminium | 17,6 | 0,1 | 17,8 | 2,42 | $\mu\text{g/l}$ | 101% |
| Arsenic | 1,25 | 0,01 | 1,25 | 0,20 | $\mu\text{g/l}$ | 100% |
| Lead | 2,69 | 0,02 | 2,69 | 0,37 | $\mu\text{g/l}$ | 100% |
| Cadmium | 0,56 | 0,01 | 0,68 | 0,10 | $\mu\text{g/l}$ | 121% |
| Chromium | 10,06 | 0,10 | 9,90 | 1,47 | $\mu\text{g/l}$ | 98% |
| Iron | 64,7 | 0,3 | 63,0 | 8,72 | $\mu\text{g/l}$ | 97% |
| Copper | 8,47 | 0,19 | 8,42 | 1,29 | $\mu\text{g/l}$ | 99% |
| Manganese | 14,1 | 0,1 | 13,2 | 1,87 | $\mu\text{g/l}$ | 94% |
| Nickel | 0,32 | 0,02 | 0,55 | 0,097 | $\mu\text{g/l}$ | 172% |
| Mercury | 1,24 | 0,02 | 1,26 | 0,017 | $\mu\text{g/l}$ | 102% |
| Selenium | 1,80 | 0,01 | 2,01 | 0,32 | $\mu\text{g/l}$ | 112% |
| Silver | 0,070 | 0,002 | <0,5 | | $\mu\text{g/l}$ | • |
| Uranium | 2,72 | 0,02 | 2,79 | 0,42 | $\mu\text{g/l}$ | 103% |
| Zinc | 17,7 | 0,1 | 16,0 | 2,20 | $\mu\text{g/l}$ | 90% |



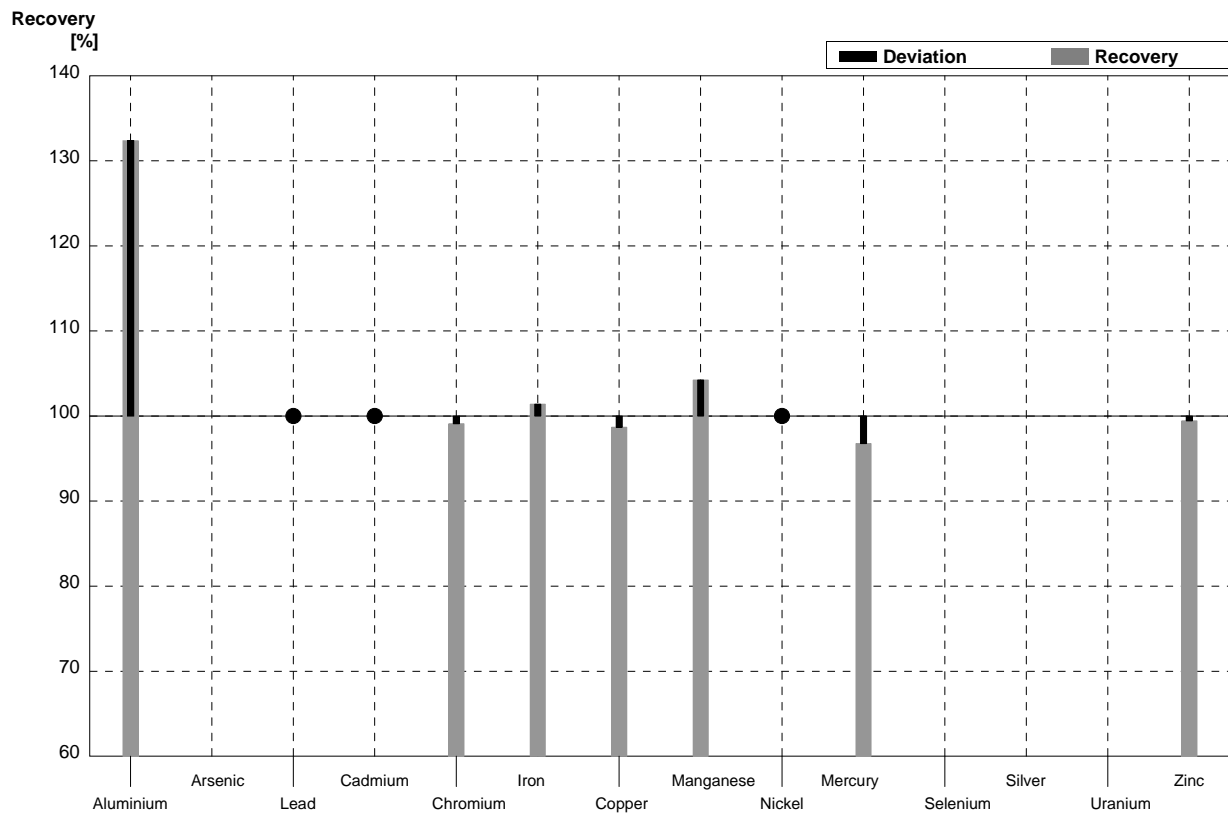
Sample M106A
Laboratory J

| Parameter | Target value | ± U (k=2) | Result | ± | Unit | Recovery |
|-----------|--------------|-----------|--------|------|------|----------|
| Aluminium | 47,9 | 0,3 | 54,0 | 11,7 | µg/l | 113% |
| Arsenic | 3,85 | 0,03 | | | µg/l | |
| Lead | 10,07 | 0,10 | 11,9 | 1,70 | µg/l | 118% |
| Cadmium | 1,45 | 0,01 | <2,5 | | µg/l | • |
| Chromium | 1,53 | 0,01 | <2,5 | | µg/l | • |
| Iron | 32,1 | 0,2 | 32,5 | 3,25 | µg/l | 101% |
| Copper | 4,79 | 0,13 | <5 | | µg/l | • |
| Manganese | 39,8 | 0,2 | 41,4 | 4,14 | µg/l | 104% |
| Nickel | 0,97 | 0,02 | <5 | | µg/l | • |
| Mercury | 0,64 | 0,01 | 0,63 | 0,13 | µg/l | 98% |
| Selenium | 0,60 | 0,01 | | | µg/l | |
| Silver | 0,140 | 0,005 | | | µg/l | |
| Uranium | 1,96 | 0,02 | | | µg/l | |
| Zinc | 10,05 | 0,11 | 10,0 | 1,02 | µg/l | 100% |



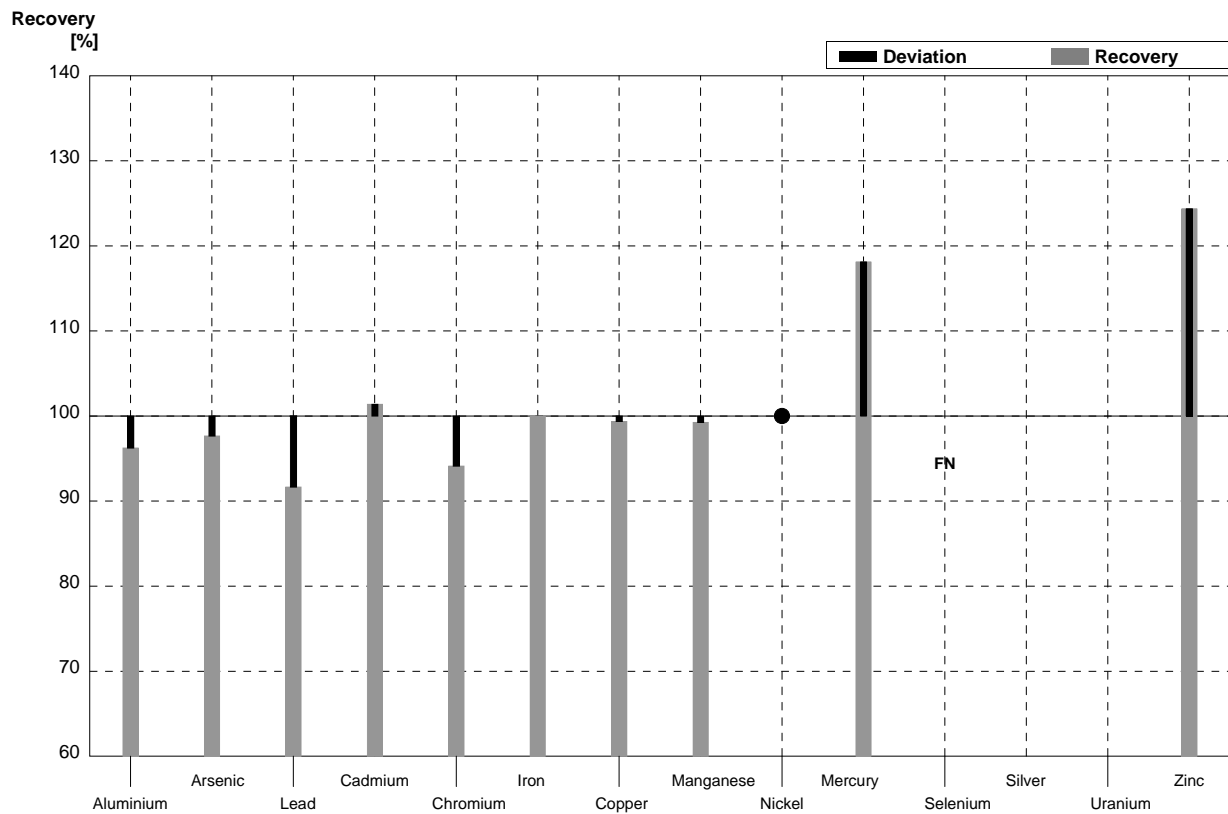
Sample M106B
Laboratory J

| Parameter | Target value | ± U (k=2) | Result | ± | Unit | Recovery |
|-----------|--------------|-----------|--------|------|------|----------|
| Aluminium | 17,6 | 0,1 | 23,3 | 5,03 | µg/l | 132% |
| Arsenic | 1,25 | 0,01 | | | µg/l | |
| Lead | 2,69 | 0,02 | <5 | | µg/l | • |
| Cadmium | 0,56 | 0,01 | <2,5 | | µg/l | • |
| Chromium | 10,06 | 0,10 | 9,97 | 0,87 | µg/l | 99% |
| Iron | 64,7 | 0,3 | 65,6 | 6,57 | µg/l | 101% |
| Copper | 8,47 | 0,19 | 8,36 | 0,53 | µg/l | 99% |
| Manganese | 14,1 | 0,1 | 14,7 | 1,47 | µg/l | 104% |
| Nickel | 0,32 | 0,02 | <5 | | µg/l | • |
| Mercury | 1,24 | 0,02 | 1,20 | 0,24 | µg/l | 97% |
| Selenium | 1,80 | 0,01 | | | µg/l | |
| Silver | 0,070 | 0,002 | | | µg/l | |
| Uranium | 2,72 | 0,02 | | | µg/l | |
| Zinc | 17,7 | 0,1 | 17,6 | 1,79 | µg/l | 99% |



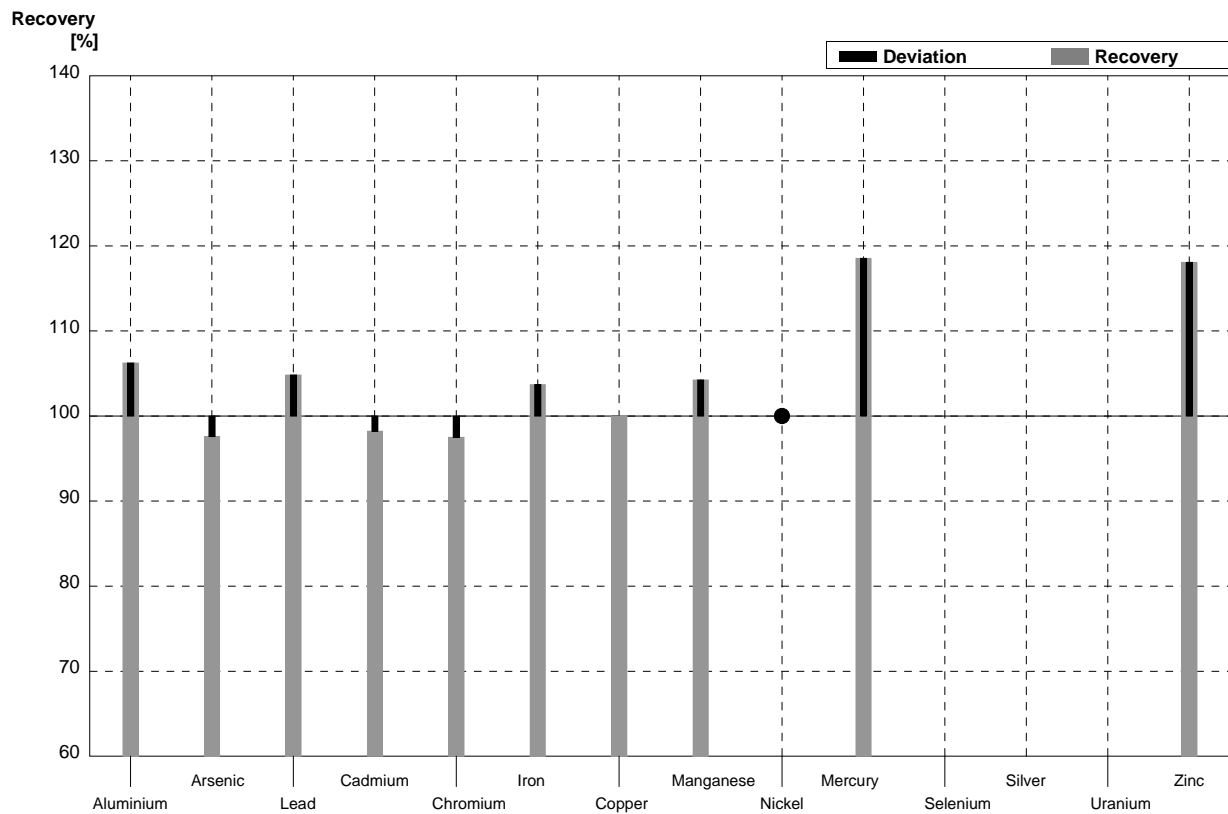
Sample M106A
Laboratory K

| Parameter | Target value | ± U (k=2) | Result | ± | Unit | Recovery |
|-----------|--------------|-----------|--------|---|------|----------|
| Aluminium | 47,9 | 0,3 | 46,1 | | µg/l | 96% |
| Arsenic | 3,85 | 0,03 | 3,76 | | µg/l | 98% |
| Lead | 10,07 | 0,10 | 9,23 | | µg/l | 92% |
| Cadmium | 1,45 | 0,01 | 1,47 | | µg/l | 101% |
| Chromium | 1,53 | 0,01 | 1,44 | | µg/l | 94% |
| Iron | 32,1 | 0,2 | 32,1 | | µg/l | 100% |
| Copper | 4,79 | 0,13 | 4,76 | | µg/l | 99% |
| Manganese | 39,8 | 0,2 | 39,5 | | µg/l | 99% |
| Nickel | 0,97 | 0,02 | <1,5 | | µg/l | • |
| Mercury | 0,64 | 0,01 | 0,756 | | µg/l | 118% |
| Selenium | 0,60 | 0,01 | <0,5 | | µg/l | FN |
| Silver | 0,140 | 0,005 | | | µg/l | |
| Uranium | 1,96 | 0,02 | | | µg/l | |
| Zinc | 10,05 | 0,11 | 12,5 | | µg/l | 124% |



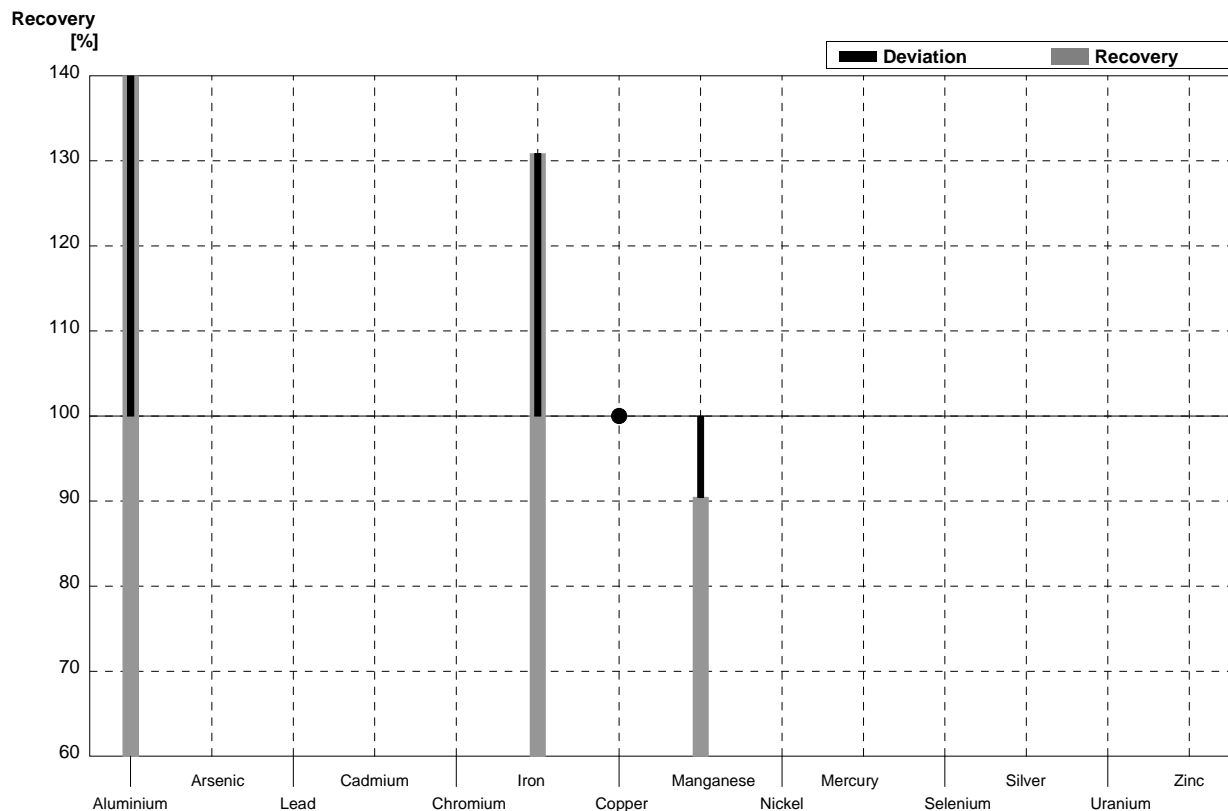
Sample M106B
Laboratory K

| Parameter | Target value | ± U (k=2) | Result | ± | Unit | Recovery |
|-----------|--------------|-----------|--------|---|------|----------|
| Aluminium | 17,6 | 0,1 | 18,7 | | µg/l | 106% |
| Arsenic | 1,25 | 0,01 | 1,22 | | µg/l | 98% |
| Lead | 2,69 | 0,02 | 2,82 | | µg/l | 105% |
| Cadmium | 0,56 | 0,01 | 0,55 | | µg/l | 98% |
| Chromium | 10,06 | 0,10 | 9,81 | | µg/l | 98% |
| Iron | 64,7 | 0,3 | 67,1 | | µg/l | 104% |
| Copper | 8,47 | 0,19 | 8,47 | | µg/l | 100% |
| Manganese | 14,1 | 0,1 | 14,7 | | µg/l | 104% |
| Nickel | 0,32 | 0,02 | <1,5 | | µg/l | • |
| Mercury | 1,24 | 0,02 | 1,47 | | µg/l | 119% |
| Selenium | 1,80 | 0,01 | | | µg/l | |
| Silver | 0,070 | 0,002 | | | µg/l | |
| Uranium | 2,72 | 0,02 | | | µg/l | |
| Zinc | 17,7 | 0,1 | 20,9 | | µg/l | 118% |



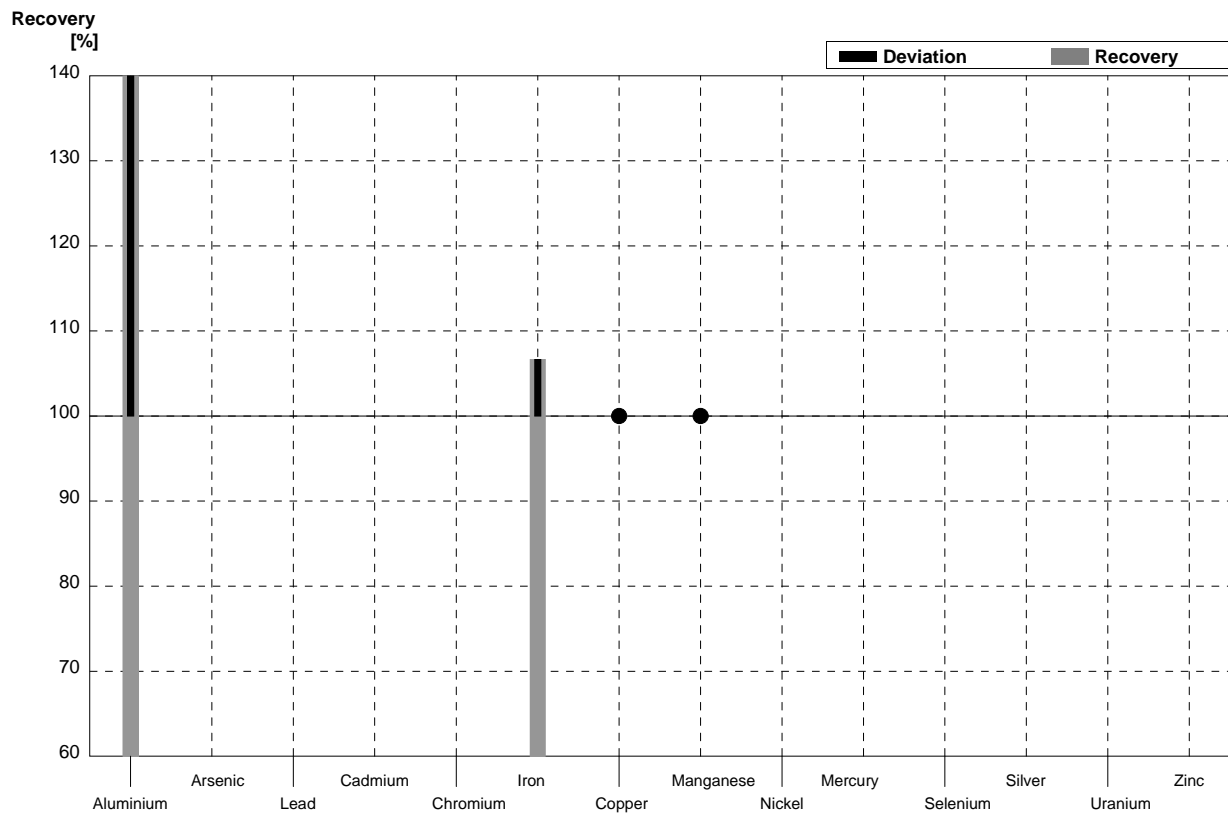
Sample M106A
Laboratory L

| Parameter | Target value | $\pm U (k=2)$ | Result | \pm | Unit | Recovery |
|-----------|--------------|---------------|--------|-------|-----------------|----------|
| Aluminium | 47,9 | 0,3 | 292,7 | 26 | $\mu\text{g/l}$ | 611% |
| Arsenic | 3,85 | 0,03 | | | $\mu\text{g/l}$ | |
| Lead | 10,07 | 0,10 | | | $\mu\text{g/l}$ | |
| Cadmium | 1,45 | 0,01 | | | $\mu\text{g/l}$ | |
| Chromium | 1,53 | 0,01 | | | $\mu\text{g/l}$ | |
| Iron | 32,1 | 0,2 | 42 | 2 | $\mu\text{g/l}$ | 131% |
| Copper | 4,79 | 0,13 | <10 | | $\mu\text{g/l}$ | • |
| Manganese | 39,8 | 0,2 | 36 | 1 | $\mu\text{g/l}$ | 90% |
| Nickel | 0,97 | 0,02 | | | $\mu\text{g/l}$ | |
| Mercury | 0,64 | 0,01 | | | $\mu\text{g/l}$ | |
| Selenium | 0,60 | 0,01 | | | $\mu\text{g/l}$ | |
| Silver | 0,140 | 0,005 | | | $\mu\text{g/l}$ | |
| Uranium | 1,96 | 0,02 | | | $\mu\text{g/l}$ | |
| Zinc | 10,05 | 0,11 | | | $\mu\text{g/l}$ | |



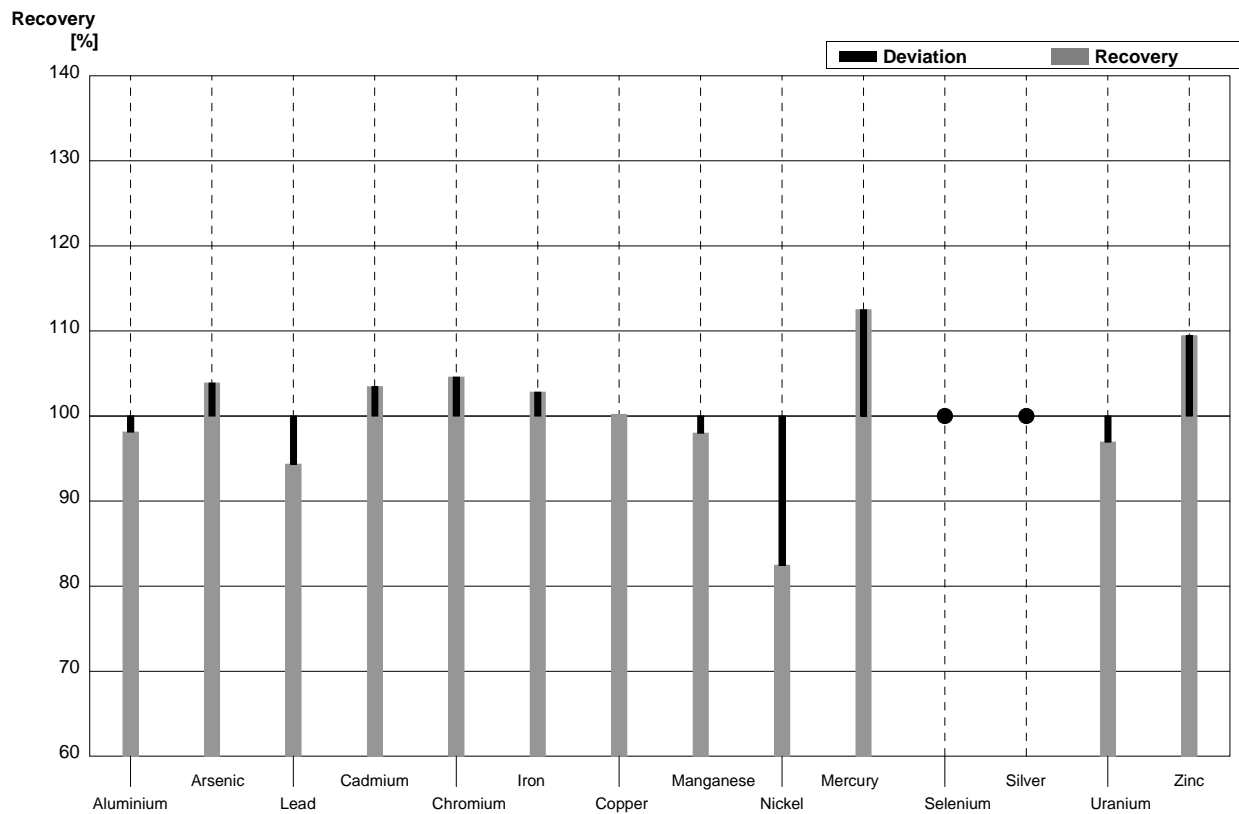
Sample M106B
Laboratory L

| Parameter | Target value | ± U (k=2) | Result | ± | Unit | Recovery |
|-----------|--------------|-----------|--------|----|------|----------|
| Aluminium | 17,6 | 0,1 | 123,0 | 11 | µg/l | 699% |
| Arsenic | 1,25 | 0,01 | | | µg/l | |
| Lead | 2,69 | 0,02 | | | µg/l | |
| Cadmium | 0,56 | 0,01 | | | µg/l | |
| Chromium | 10,06 | 0,10 | | | µg/l | |
| Iron | 64,7 | 0,3 | 69 | 3 | µg/l | 107% |
| Copper | 8,47 | 0,19 | <10 | | µg/l | • |
| Manganese | 14,1 | 0,1 | <20 | | µg/l | • |
| Nickel | 0,32 | 0,02 | | | µg/l | |
| Mercury | 1,24 | 0,02 | | | µg/l | |
| Selenium | 1,80 | 0,01 | | | µg/l | |
| Silver | 0,070 | 0,002 | | | µg/l | |
| Uranium | 2,72 | 0,02 | | | µg/l | |
| Zinc | 17,7 | 0,1 | | | µg/l | |



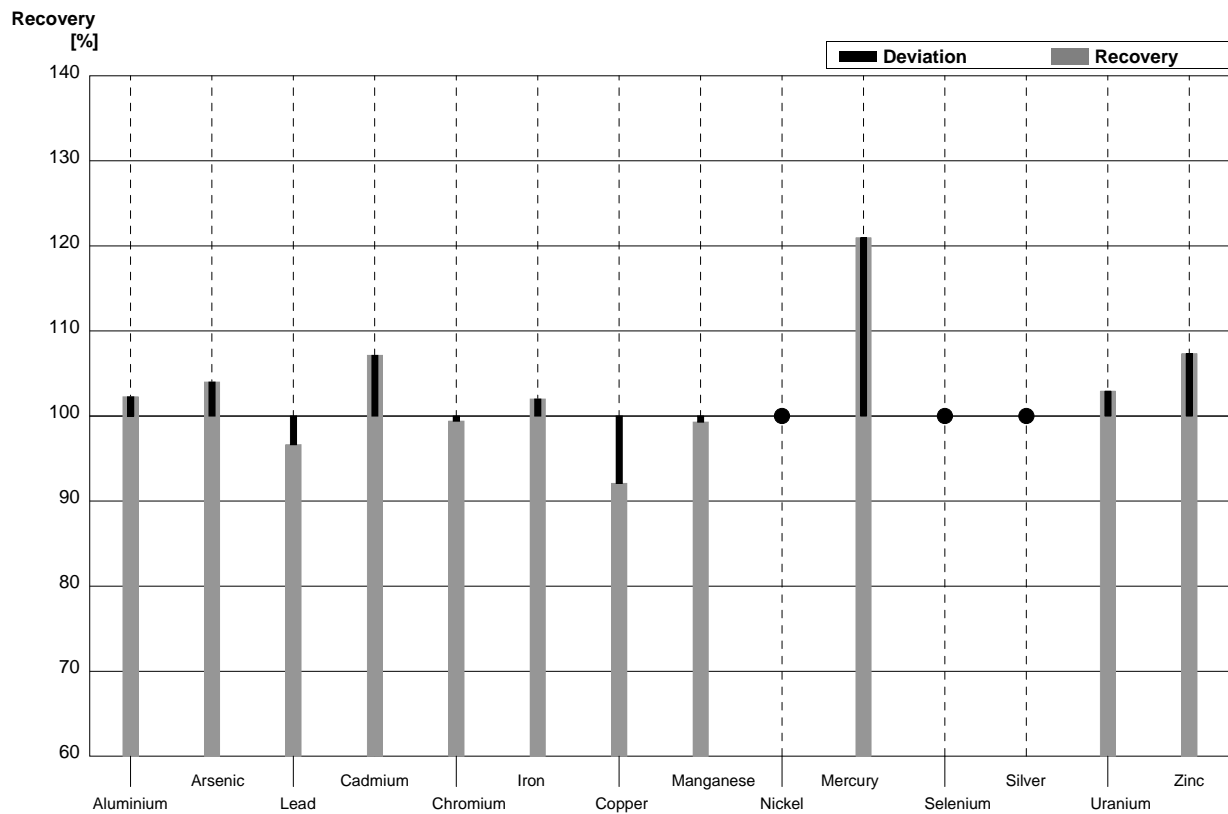
Sample M106A
Laboratory M

| Parameter | Target value | ± U (k=2) | Result | ± | Unit | Recovery |
|-----------|--------------|-----------|--------|------|------|----------|
| Aluminium | 47,9 | 0,3 | 47 | 5 | µg/l | 98% |
| Arsenic | 3,85 | 0,03 | 4,0 | 0,6 | µg/l | 104% |
| Lead | 10,07 | 0,10 | 9,5 | 1,4 | µg/l | 94% |
| Cadmium | 1,45 | 0,01 | 1,5 | 0,2 | µg/l | 103% |
| Chromium | 1,53 | 0,01 | 1,6 | 0,5 | µg/l | 105% |
| Iron | 32,1 | 0,2 | 33 | 4 | µg/l | 103% |
| Copper | 4,79 | 0,13 | 4,8 | 0,5 | µg/l | 100% |
| Manganese | 39,8 | 0,2 | 39 | 4 | µg/l | 98% |
| Nickel | 0,97 | 0,02 | 0,80 | 0,22 | µg/l | 82% |
| Mercury | 0,64 | 0,01 | 0,72 | 0,10 | µg/l | 113% |
| Selenium | 0,60 | 0,01 | <2,0 | | µg/l | • |
| Silver | 0,140 | 0,005 | <1,0 | | µg/l | • |
| Uranium | 1,96 | 0,02 | 1,9 | 0,2 | µg/l | 97% |
| Zinc | 10,05 | 0,11 | 11 | 3 | µg/l | 109% |



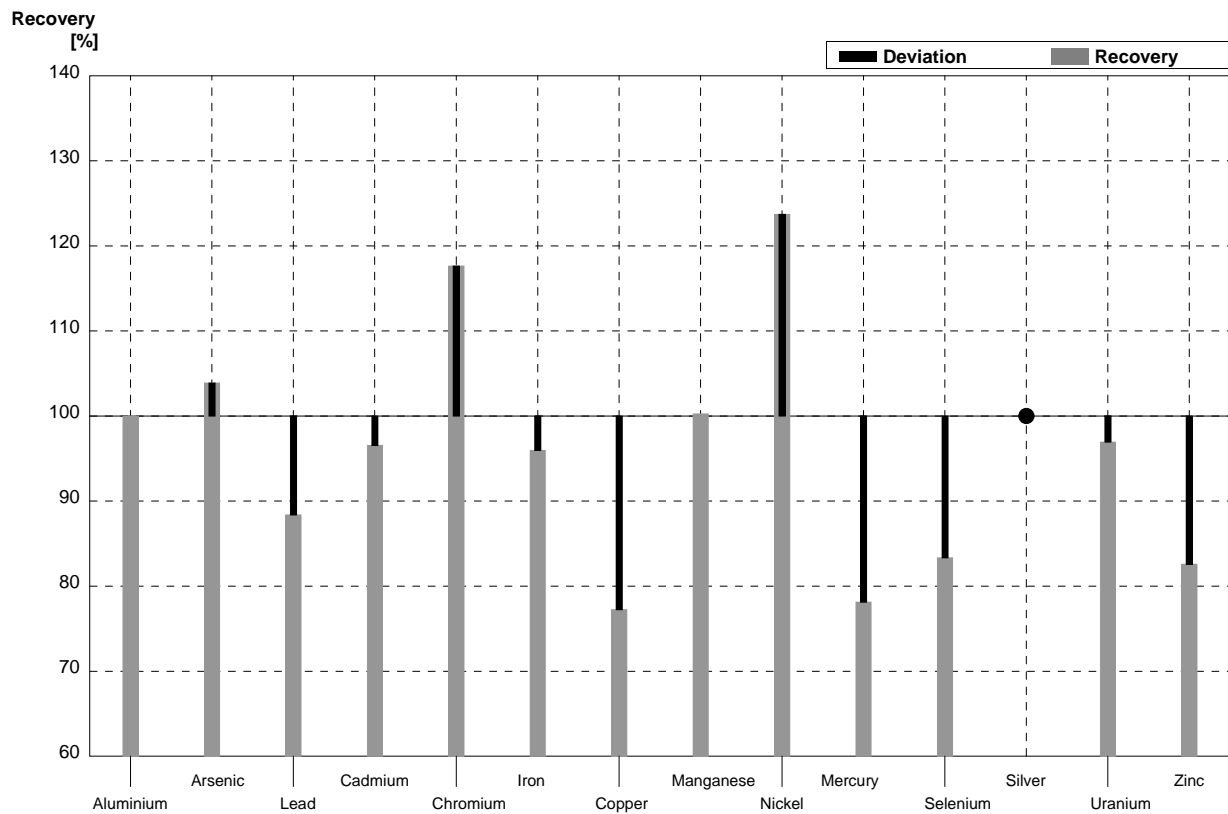
Sample M106B
Laboratory M

| Parameter | Target value | $\pm U (k=2)$ | Result | \pm | Unit | Recovery |
|-----------|--------------|---------------|--------|-------|-----------------|----------|
| Aluminium | 17,6 | 0,1 | 18 | 2 | $\mu\text{g/l}$ | 102% |
| Arsenic | 1,25 | 0,01 | 1,3 | 0,2 | $\mu\text{g/l}$ | 104% |
| Lead | 2,69 | 0,02 | 2,6 | 0,4 | $\mu\text{g/l}$ | 97% |
| Cadmium | 0,56 | 0,01 | 0,60 | 0,10 | $\mu\text{g/l}$ | 107% |
| Chromium | 10,06 | 0,10 | 10 | 1 | $\mu\text{g/l}$ | 99% |
| Iron | 64,7 | 0,3 | 66 | 4 | $\mu\text{g/l}$ | 102% |
| Copper | 8,47 | 0,19 | 7,8 | 0,8 | $\mu\text{g/l}$ | 92% |
| Manganese | 14,1 | 0,1 | 14 | 2 | $\mu\text{g/l}$ | 99% |
| Nickel | 0,32 | 0,02 | <0,50 | | $\mu\text{g/l}$ | • |
| Mercury | 1,24 | 0,02 | 1,5 | 0,2 | $\mu\text{g/l}$ | 121% |
| Selenium | 1,80 | 0,01 | <2,0 | | $\mu\text{g/l}$ | • |
| Silver | 0,070 | 0,002 | <1,0 | | $\mu\text{g/l}$ | • |
| Uranium | 2,72 | 0,02 | 2,8 | 0,3 | $\mu\text{g/l}$ | 103% |
| Zinc | 17,7 | 0,1 | 19 | 3 | $\mu\text{g/l}$ | 107% |



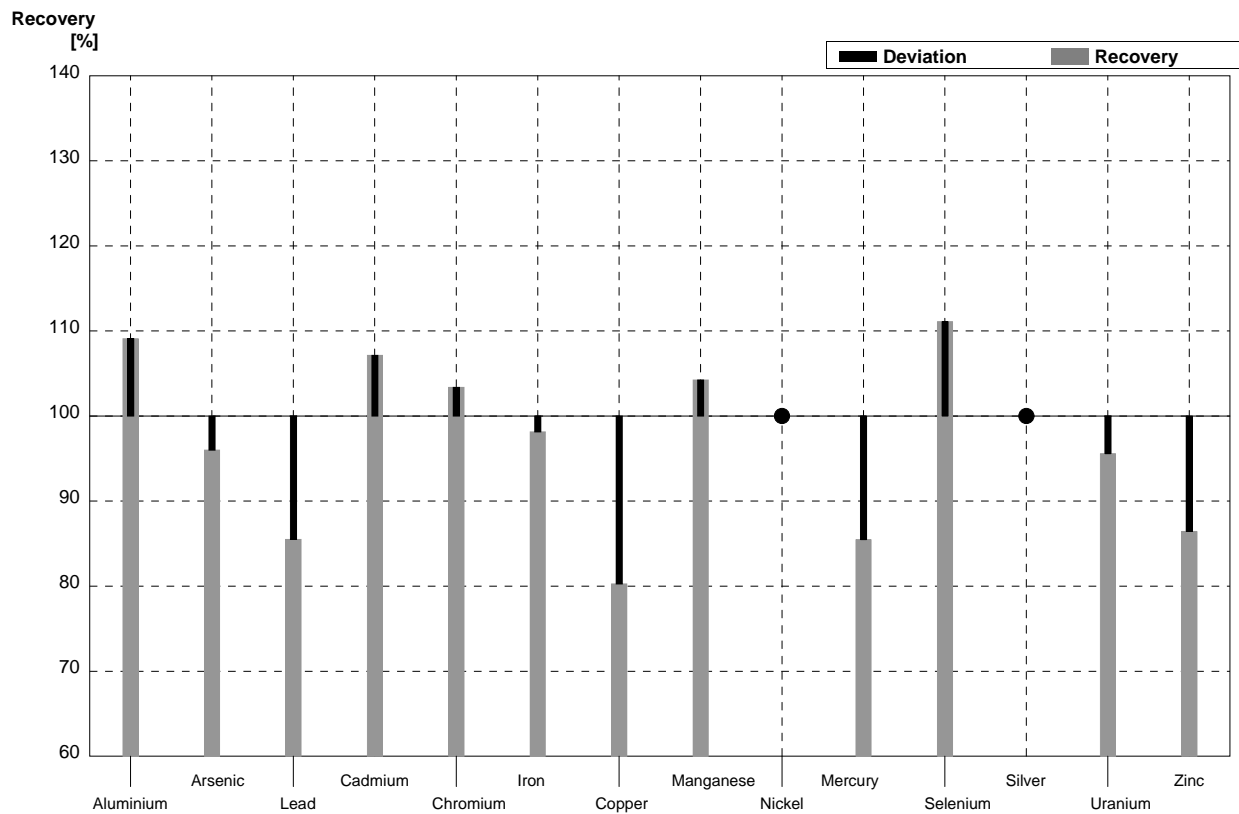
Sample M106A
Laboratory N

| Parameter | Target value | ± U (k=2) | Result | ± | Unit | Recovery |
|-----------|--------------|-----------|--------|------|------|----------|
| Aluminium | 47,9 | 0,3 | 47,9 | 9,6 | µg/l | 100% |
| Arsenic | 3,85 | 0,03 | 4,0 | 0,4 | µg/l | 104% |
| Lead | 10,07 | 0,10 | 8,9 | 0,9 | µg/l | 88% |
| Cadmium | 1,45 | 0,01 | 1,4 | 0,14 | µg/l | 97% |
| Chromium | 1,53 | 0,01 | 1,8 | 0,2 | µg/l | 118% |
| Iron | 32,1 | 0,2 | 30,8 | 6,0 | µg/l | 96% |
| Copper | 4,79 | 0,13 | 3,7 | 0,4 | µg/l | 77% |
| Manganese | 39,8 | 0,2 | 39,9 | 3,9 | µg/l | 100% |
| Nickel | 0,97 | 0,02 | 1,2 | 0,1 | µg/l | 124% |
| Mercury | 0,64 | 0,01 | 0,50 | | µg/l | 78% |
| Selenium | 0,60 | 0,01 | 0,5 | 0,05 | µg/l | 83% |
| Silver | 0,140 | 0,005 | <1 | | µg/l | • |
| Uranium | 1,96 | 0,02 | 1,9 | 0,2 | µg/l | 97% |
| Zinc | 10,05 | 0,11 | 8,3 | 1,6 | µg/l | 83% |



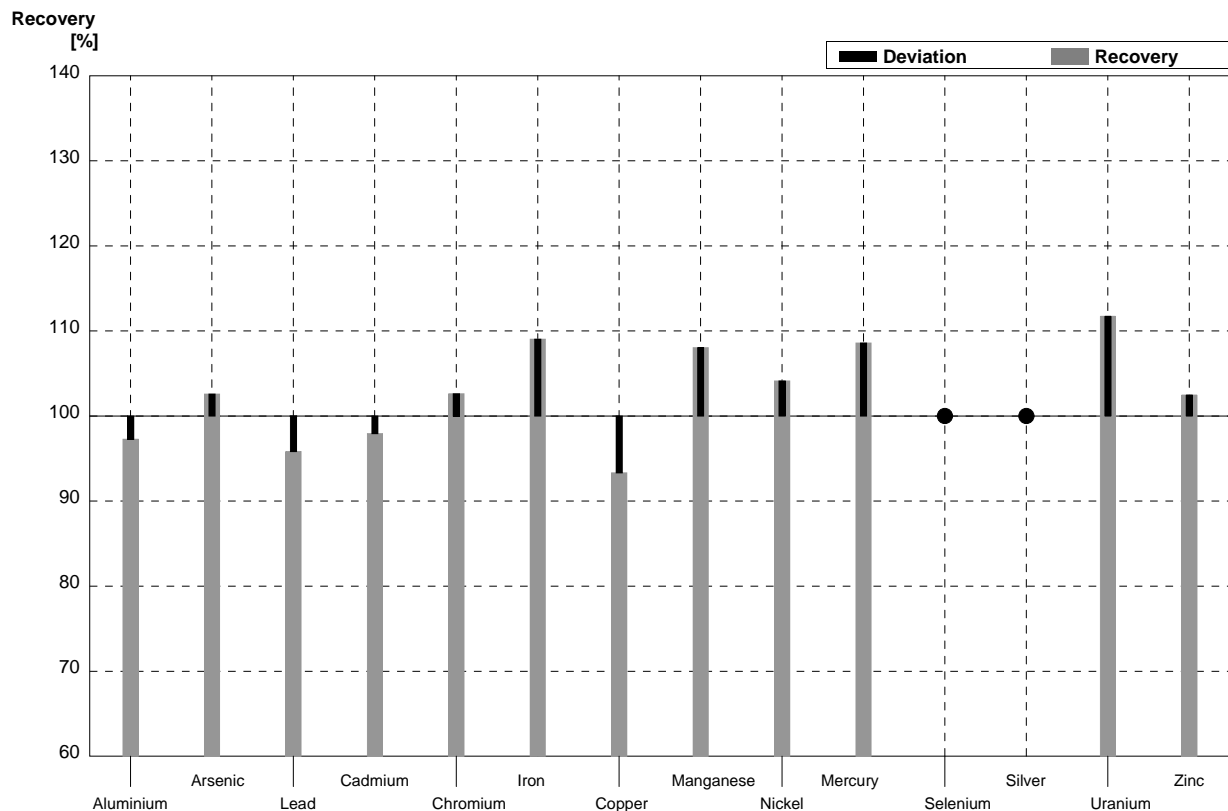
Sample M106B
Laboratory N

| Parameter | Target value | $\pm U (k=2)$ | Result | \pm | Unit | Recovery |
|-----------|--------------|---------------|--------|-------|-----------------|----------|
| Aluminium | 17,6 | 0,1 | 19,2 | 3,8 | $\mu\text{g/l}$ | 109% |
| Arsenic | 1,25 | 0,01 | 1,2 | 0,1 | $\mu\text{g/l}$ | 96% |
| Lead | 2,69 | 0,02 | 2,3 | 0,2 | $\mu\text{g/l}$ | 86% |
| Cadmium | 0,56 | 0,01 | 0,6 | 0,06 | $\mu\text{g/l}$ | 107% |
| Chromium | 10,06 | 0,10 | 10,4 | 1,0 | $\mu\text{g/l}$ | 103% |
| Iron | 64,7 | 0,3 | 63,5 | 13,0 | $\mu\text{g/l}$ | 98% |
| Copper | 8,47 | 0,19 | 6,8 | 0,7 | $\mu\text{g/l}$ | 80% |
| Manganese | 14,1 | 0,1 | 14,7 | 1,5 | $\mu\text{g/l}$ | 104% |
| Nickel | 0,32 | 0,02 | <1 | | $\mu\text{g/l}$ | • |
| Mercury | 1,24 | 0,02 | 1,06 | | $\mu\text{g/l}$ | 85% |
| Selenium | 1,80 | 0,01 | 2,0 | 0,2 | $\mu\text{g/l}$ | 111% |
| Silver | 0,070 | 0,002 | <1 | | $\mu\text{g/l}$ | • |
| Uranium | 2,72 | 0,02 | 2,6 | 0,3 | $\mu\text{g/l}$ | 96% |
| Zinc | 17,7 | 0,1 | 15,3 | 3,1 | $\mu\text{g/l}$ | 86% |



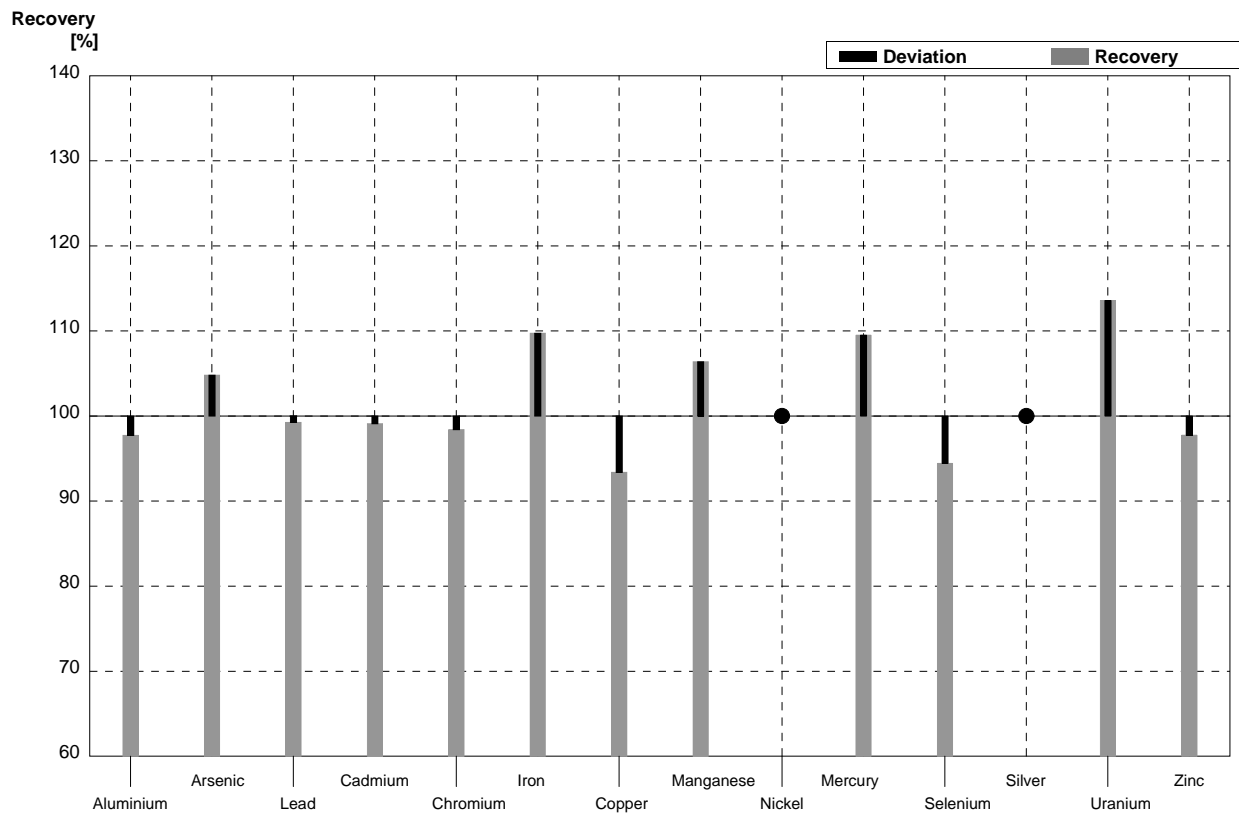
Sample M106A
Laboratory O

| Parameter | Target value | ± U (k=2) | Result | ± | Unit | Recovery |
|-----------|--------------|-----------|--------|-------|------|----------|
| Aluminium | 47,9 | 0,3 | 46,6 | 4,66 | µg/l | 97% |
| Arsenic | 3,85 | 0,03 | 3,95 | 0,395 | µg/l | 103% |
| Lead | 10,07 | 0,10 | 9,65 | 0,965 | µg/l | 96% |
| Cadmium | 1,45 | 0,01 | 1,42 | 0,142 | µg/l | 98% |
| Chromium | 1,53 | 0,01 | 1,57 | 0,157 | µg/l | 103% |
| Iron | 32,1 | 0,2 | 35,0 | 3,50 | µg/l | 109% |
| Copper | 4,79 | 0,13 | 4,47 | 0,447 | µg/l | 93% |
| Manganese | 39,8 | 0,2 | 43,0 | 4,30 | µg/l | 108% |
| Nickel | 0,97 | 0,02 | 1,01 | 0,101 | µg/l | 104% |
| Mercury | 0,64 | 0,01 | 0,695 | 0,069 | µg/l | 109% |
| Selenium | 0,60 | 0,01 | <1,0 | | µg/l | • |
| Silver | 0,140 | 0,005 | <1,0 | | µg/l | • |
| Uranium | 1,96 | 0,02 | 2,19 | 0,219 | µg/l | 112% |
| Zinc | 10,05 | 0,11 | 10,3 | 1,03 | µg/l | 102% |



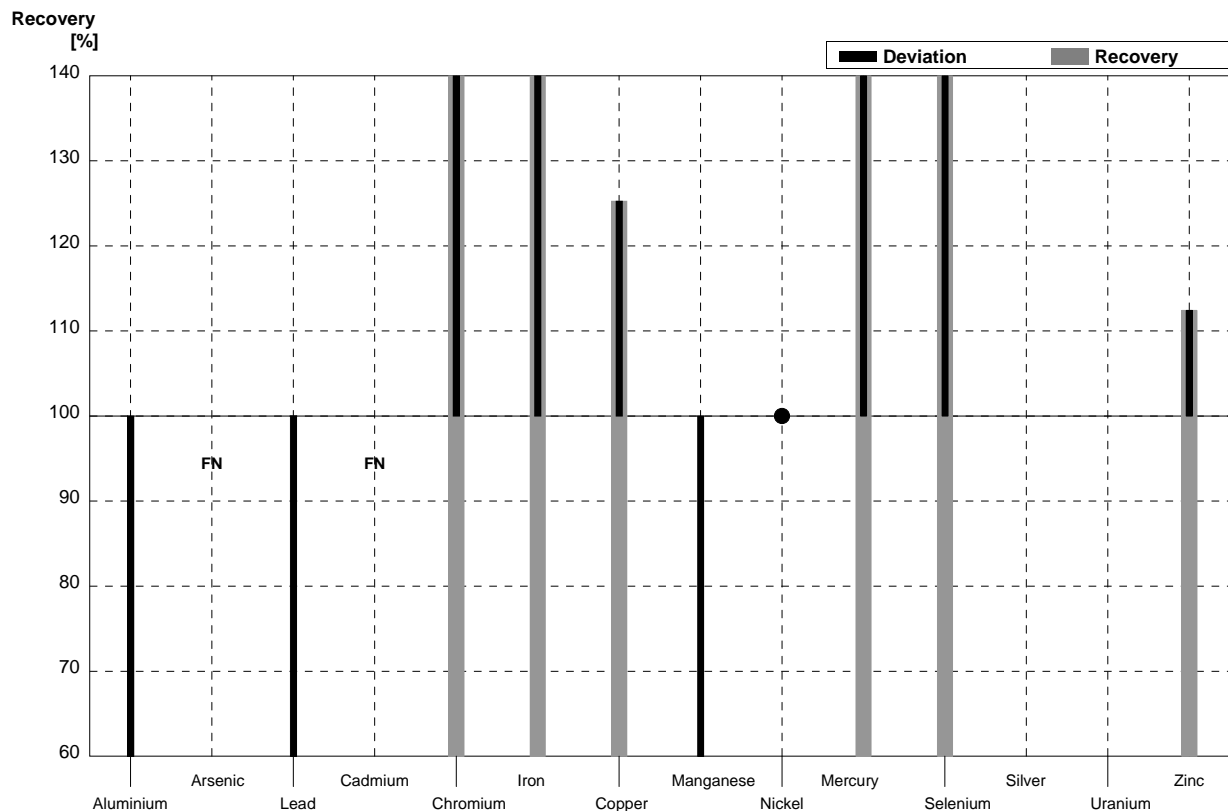
Sample M106B
Laboratory O

| Parameter | Target value | $\pm U (k=2)$ | Result | \pm | Unit | Recovery |
|-----------|--------------|---------------|--------|-------|-----------------|----------|
| Aluminium | 17,6 | 0,1 | 17,2 | 1,72 | $\mu\text{g/l}$ | 98% |
| Arsenic | 1,25 | 0,01 | 1,31 | 0,131 | $\mu\text{g/l}$ | 105% |
| Lead | 2,69 | 0,02 | 2,67 | 0,267 | $\mu\text{g/l}$ | 99% |
| Cadmium | 0,56 | 0,01 | 0,555 | 0,055 | $\mu\text{g/l}$ | 99% |
| Chromium | 10,06 | 0,10 | 9,90 | 0,990 | $\mu\text{g/l}$ | 98% |
| Iron | 64,7 | 0,3 | 71,0 | 7,10 | $\mu\text{g/l}$ | 110% |
| Copper | 8,47 | 0,19 | 7,91 | 0,791 | $\mu\text{g/l}$ | 93% |
| Manganese | 14,1 | 0,1 | 15,0 | 1,50 | $\mu\text{g/l}$ | 106% |
| Nickel | 0,32 | 0,02 | <1,0 | | $\mu\text{g/l}$ | • |
| Mercury | 1,24 | 0,02 | 1,358 | 0,136 | $\mu\text{g/l}$ | 110% |
| Selenium | 1,80 | 0,01 | 1,70 | 0,170 | $\mu\text{g/l}$ | 94% |
| Silver | 0,070 | 0,002 | <1,0 | | $\mu\text{g/l}$ | • |
| Uranium | 2,72 | 0,02 | 3,09 | 0,309 | $\mu\text{g/l}$ | 114% |
| Zinc | 17,7 | 0,1 | 17,3 | 1,73 | $\mu\text{g/l}$ | 98% |



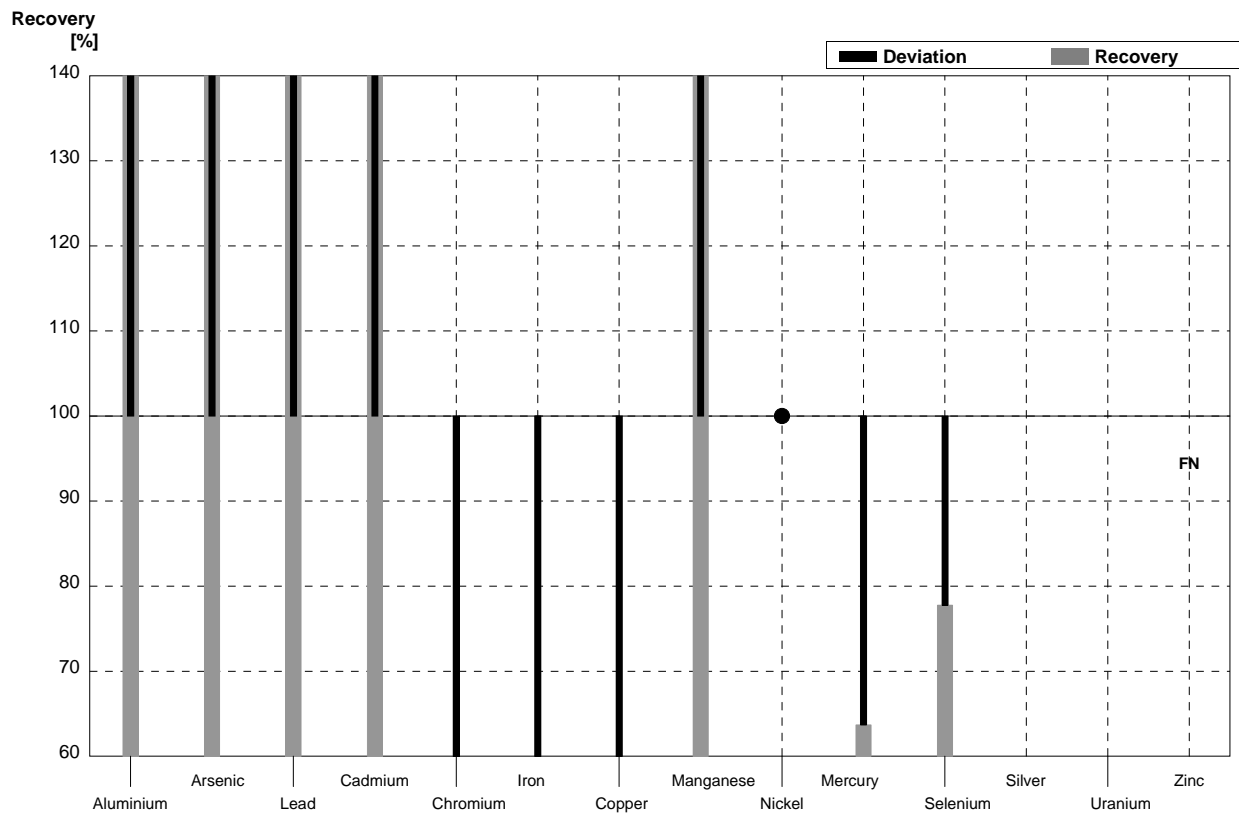
Sample M106A
Laboratory P

| Parameter | Target value | $\pm U (k=2)$ | Result | \pm | Unit | Recovery |
|-----------|--------------|---------------|--------|-------|-----------------|----------|
| Aluminium | 47,9 | 0,3 | 12,7 | | $\mu\text{g/l}$ | 27% |
| Arsenic | 3,85 | 0,03 | <1 | | $\mu\text{g/l}$ | FN |
| Lead | 10,07 | 0,10 | 2,1 | | $\mu\text{g/l}$ | 21% |
| Cadmium | 1,45 | 0,01 | [0,5] | | $\mu\text{g/l}$ | FN |
| Chromium | 1,53 | 0,01 | 7,6 | | $\mu\text{g/l}$ | 497% |
| Iron | 32,1 | 0,2 | 50,1 | | $\mu\text{g/l}$ | 156% |
| Copper | 4,79 | 0,13 | 6,0 | | $\mu\text{g/l}$ | 125% |
| Manganese | 39,8 | 0,2 | 10,3 | | $\mu\text{g/l}$ | 26% |
| Nickel | 0,97 | 0,02 | <1 | | $\mu\text{g/l}$ | • |
| Mercury | 0,64 | 0,01 | 1,4 | | $\mu\text{g/l}$ | 219% |
| Selenium | 0,60 | 0,01 | 2,2 | | $\mu\text{g/l}$ | 367% |
| Silver | 0,140 | 0,005 | | | $\mu\text{g/l}$ | |
| Uranium | 1,96 | 0,02 | | | $\mu\text{g/l}$ | |
| Zinc | 10,05 | 0,11 | 11,3 | | $\mu\text{g/l}$ | 112% |



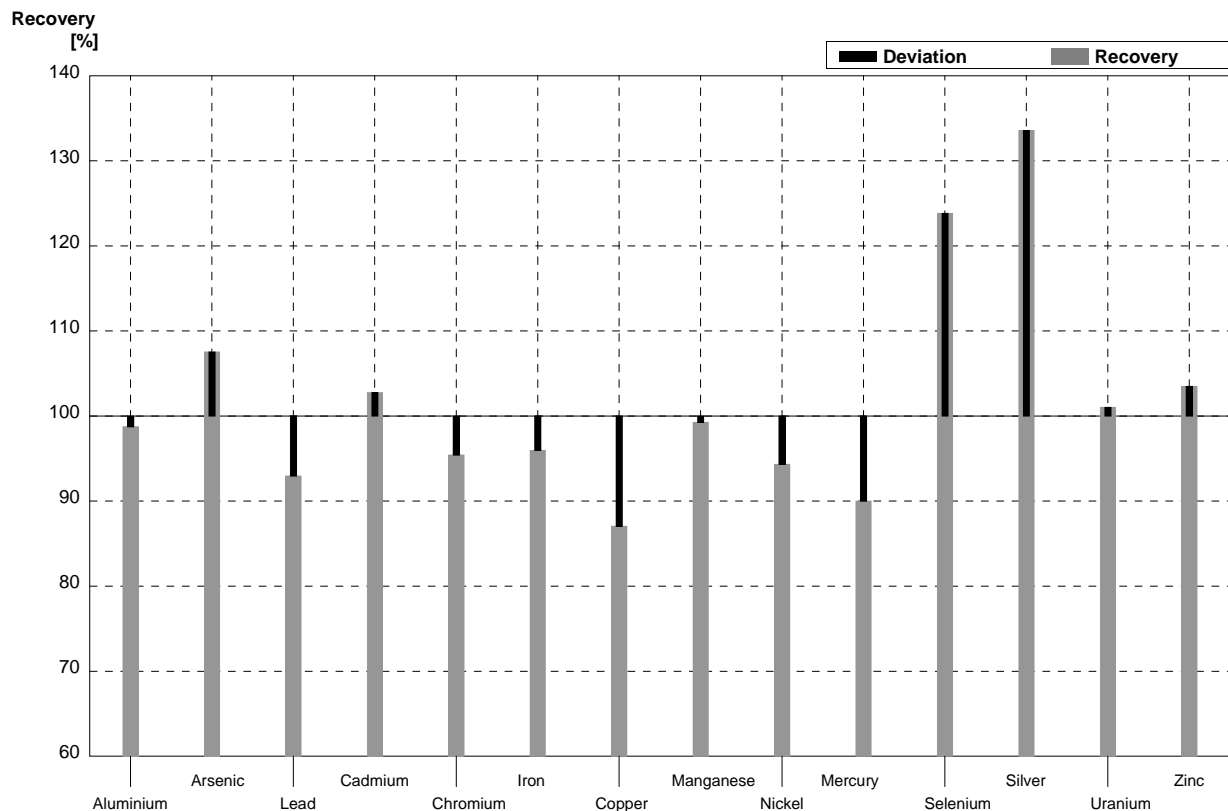
Sample M106B
Laboratory P

| Parameter | Target value | ± U (k=2) | Result | ± | Unit | Recovery |
|-----------|--------------|-----------|--------|---|------|----------|
| Aluminium | 17,6 | 0,1 | 38,9 | | µg/l | 221% |
| Arsenic | 1,25 | 0,01 | 3,2 | | µg/l | 256% |
| Lead | 2,69 | 0,02 | 7,7 | | µg/l | 286% |
| Cadmium | 0,56 | 0,01 | 1,2 | | µg/l | 214% |
| Chromium | 10,06 | 0,10 | 1,1 | | µg/l | 11% |
| Iron | 64,7 | 0,3 | 21,0 | | µg/l | 32% |
| Copper | 8,47 | 0,19 | 3,2 | | µg/l | 38% |
| Manganese | 14,1 | 0,1 | 31,6 | | µg/l | 224% |
| Nickel | 0,32 | 0,02 | <1 | | µg/l | • |
| Mercury | 1,24 | 0,02 | 0,79 | | µg/l | 64% |
| Selenium | 1,80 | 0,01 | 1,4 | | µg/l | 78% |
| Silver | 0,070 | 0,002 | | | µg/l | |
| Uranium | 2,72 | 0,02 | | | µg/l | |
| Zinc | 17,7 | 0,1 | <10 | | µg/l | FN |



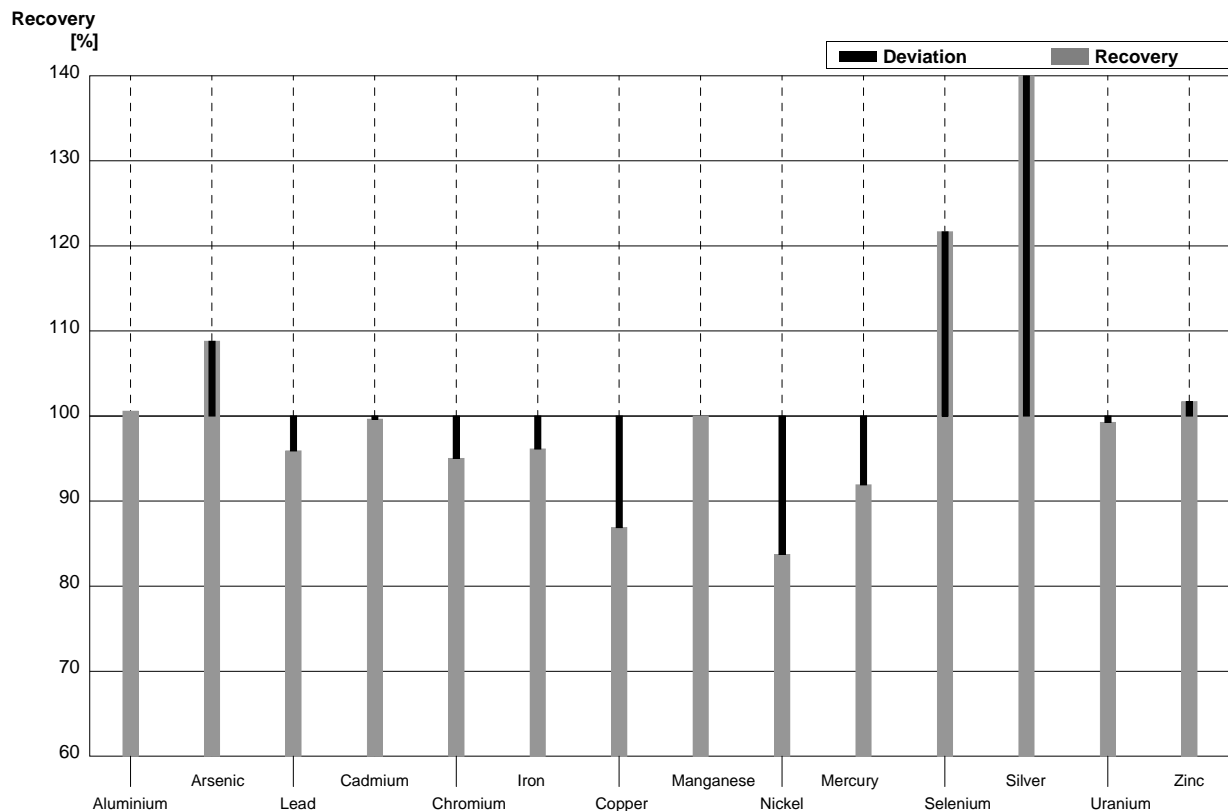
Sample M106A
Laboratory Q

| Parameter | Target value | ± U (k=2) | Result | ± | Unit | Recovery |
|-----------|--------------|-----------|--------|------|------|----------|
| Aluminium | 47,9 | 0,3 | 47,3 | 2 | µg/l | 99% |
| Arsenic | 3,85 | 0,03 | 4,14 | 0,2 | µg/l | 108% |
| Lead | 10,07 | 0,10 | 9,36 | 0,1 | µg/l | 93% |
| Cadmium | 1,45 | 0,01 | 1,49 | 0,05 | µg/l | 103% |
| Chromium | 1,53 | 0,01 | 1,46 | 0,05 | µg/l | 95% |
| Iron | 32,1 | 0,2 | 30,8 | 2 | µg/l | 96% |
| Copper | 4,79 | 0,13 | 4,17 | 0,2 | µg/l | 87% |
| Manganese | 39,8 | 0,2 | 39,5 | 1 | µg/l | 99% |
| Nickel | 0,97 | 0,02 | 0,915 | 0,05 | µg/l | 94% |
| Mercury | 0,64 | 0,01 | 0,576 | 0,05 | µg/l | 90% |
| Selenium | 0,60 | 0,01 | 0,743 | 0,05 | µg/l | 124% |
| Silver | 0,140 | 0,005 | 0,187 | 0,01 | µg/l | 134% |
| Uranium | 1,96 | 0,02 | 1,98 | 0,01 | µg/l | 101% |
| Zinc | 10,05 | 0,11 | 10,4 | 0,5 | µg/l | 103% |



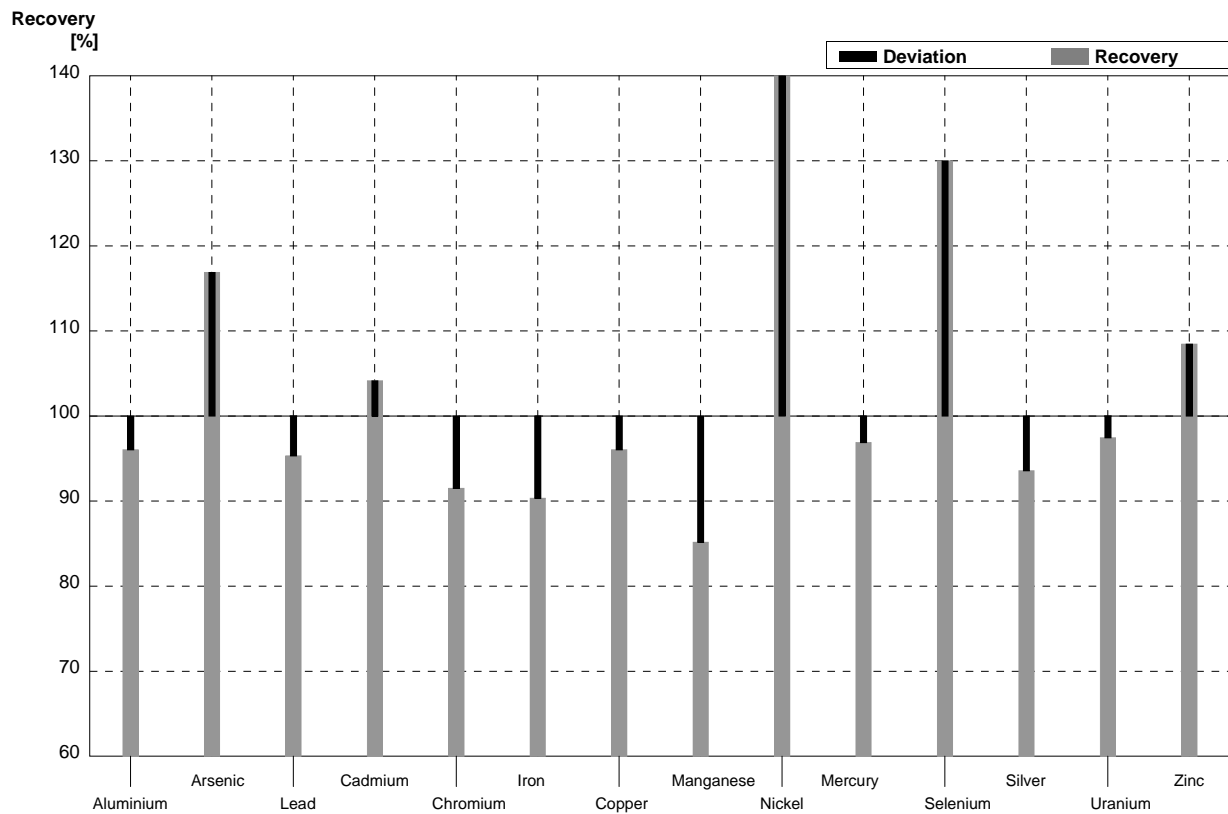
Sample M106B
Laboratory Q

| Parameter | Target value | $\pm U (k=2)$ | Result | \pm | Unit | Recovery |
|-----------|--------------|---------------|--------|-------|-----------------|----------|
| Aluminium | 17,6 | 0,1 | 17,7 | 1 | $\mu\text{g/l}$ | 101% |
| Arsenic | 1,25 | 0,01 | 1,36 | 0,2 | $\mu\text{g/l}$ | 109% |
| Lead | 2,69 | 0,02 | 2,58 | 0,1 | $\mu\text{g/l}$ | 96% |
| Cadmium | 0,56 | 0,01 | 0,558 | 0,05 | $\mu\text{g/l}$ | 100% |
| Chromium | 10,06 | 0,10 | 9,56 | 0,1 | $\mu\text{g/l}$ | 95% |
| Iron | 64,7 | 0,3 | 62,2 | 2 | $\mu\text{g/l}$ | 96% |
| Copper | 8,47 | 0,19 | 7,36 | 0,2 | $\mu\text{g/l}$ | 87% |
| Manganese | 14,1 | 0,1 | 14,1 | 0,2 | $\mu\text{g/l}$ | 100% |
| Nickel | 0,32 | 0,02 | 0,268 | 0,05 | $\mu\text{g/l}$ | 84% |
| Mercury | 1,24 | 0,02 | 1,14 | 0,05 | $\mu\text{g/l}$ | 92% |
| Selenium | 1,80 | 0,01 | 2,19 | 0,05 | $\mu\text{g/l}$ | 122% |
| Silver | 0,070 | 0,002 | 0,168 | 0,01 | $\mu\text{g/l}$ | 240% |
| Uranium | 2,72 | 0,02 | 2,70 | 0,01 | $\mu\text{g/l}$ | 99% |
| Zinc | 17,7 | 0,1 | 18,0 | 0,5 | $\mu\text{g/l}$ | 102% |



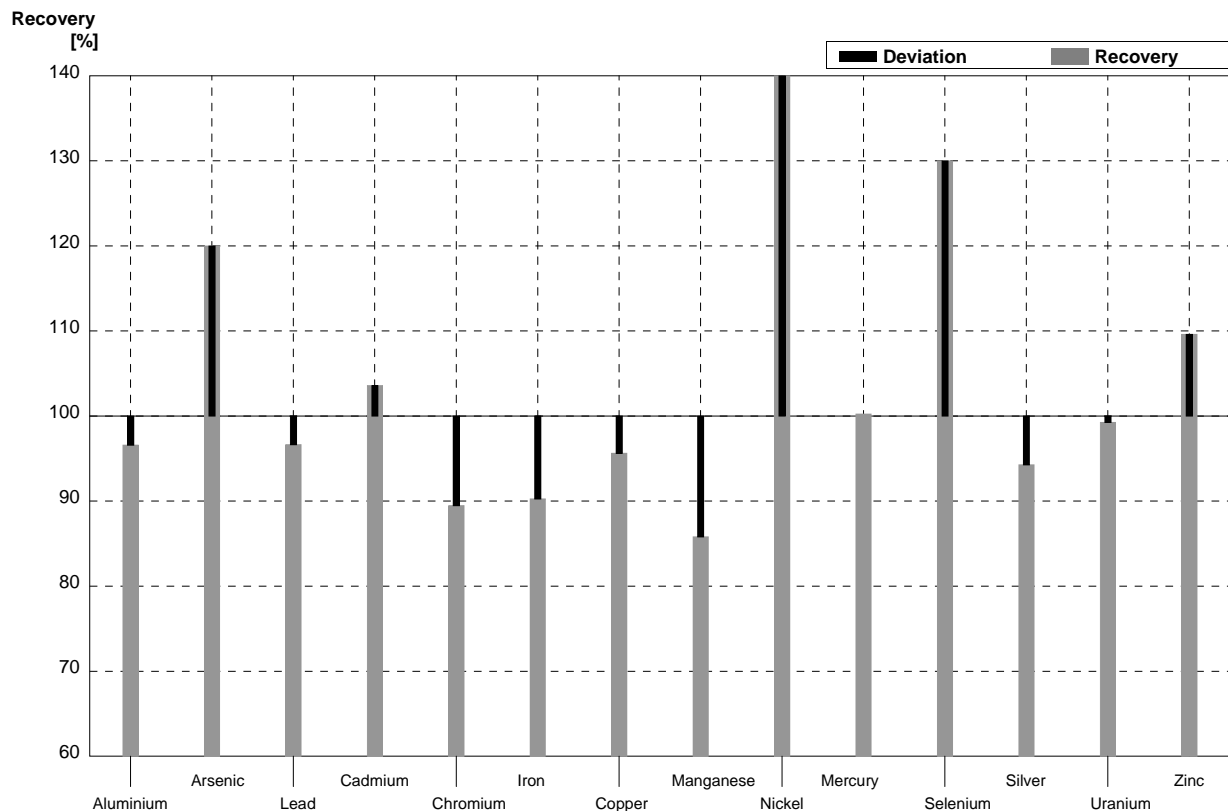
Sample M106A
Laboratory R

| Parameter | Target value | $\pm U (k=2)$ | Result | \pm | Unit | Recovery |
|-----------|--------------|---------------|--------|-------|-----------------|----------|
| Aluminium | 47,9 | 0,3 | 46,0 | 4,0 | $\mu\text{g/l}$ | 96% |
| Arsenic | 3,85 | 0,03 | 4,5 | 0,5 | $\mu\text{g/l}$ | 117% |
| Lead | 10,07 | 0,10 | 9,6 | 0,5 | $\mu\text{g/l}$ | 95% |
| Cadmium | 1,45 | 0,01 | 1,51 | 0,10 | $\mu\text{g/l}$ | 104% |
| Chromium | 1,53 | 0,01 | 1,4 | 0,2 | $\mu\text{g/l}$ | 92% |
| Iron | 32,1 | 0,2 | 29 | 3 | $\mu\text{g/l}$ | 90% |
| Copper | 4,79 | 0,13 | 4,6 | 0,8 | $\mu\text{g/l}$ | 96% |
| Manganese | 39,8 | 0,2 | 33,9 | 2,0 | $\mu\text{g/l}$ | 85% |
| Nickel | 0,97 | 0,02 | 1,4 | 0,2 | $\mu\text{g/l}$ | 144% |
| Mercury | 0,64 | 0,01 | 0,620 | 0,005 | $\mu\text{g/l}$ | 97% |
| Selenium | 0,60 | 0,01 | 0,78 | 0,20 | $\mu\text{g/l}$ | 130% |
| Silver | 0,140 | 0,005 | 0,131 | 0,020 | $\mu\text{g/l}$ | 94% |
| Uranium | 1,96 | 0,02 | 1,91 | 0,20 | $\mu\text{g/l}$ | 97% |
| Zinc | 10,05 | 0,11 | 10,9 | 1,0 | $\mu\text{g/l}$ | 108% |



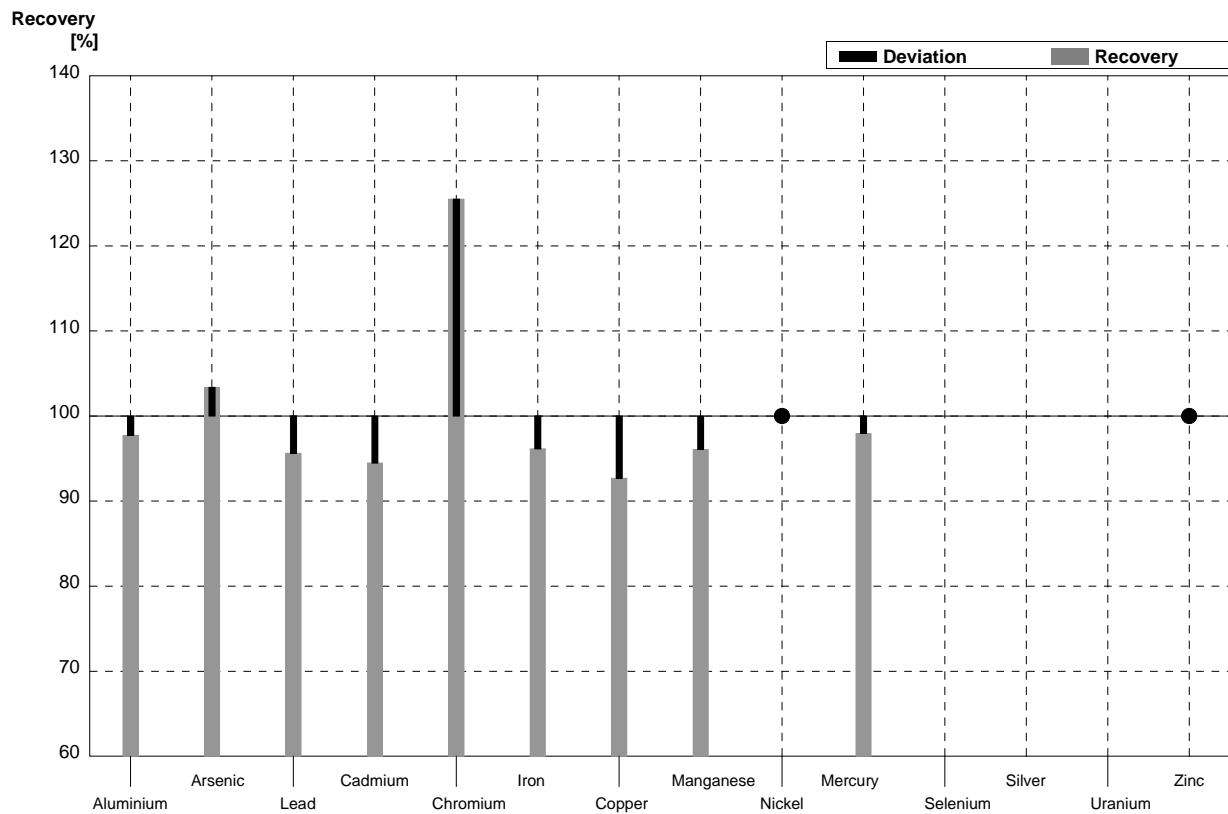
Sample M106B
Laboratory R

| Parameter | Target value | ± U (k=2) | Result | ± | Unit | Recovery |
|-----------|--------------|-----------|--------|-------|------|----------|
| Aluminium | 17,6 | 0,1 | 17,0 | 2,0 | µg/l | 97% |
| Arsenic | 1,25 | 0,01 | 1,5 | 0,2 | µg/l | 120% |
| Lead | 2,69 | 0,02 | 2,6 | 0,2 | µg/l | 97% |
| Cadmium | 0,56 | 0,01 | 0,58 | 0,05 | µg/l | 104% |
| Chromium | 10,06 | 0,10 | 9,0 | 0,5 | µg/l | 89% |
| Iron | 64,7 | 0,3 | 58,4 | 5,0 | µg/l | 90% |
| Copper | 8,47 | 0,19 | 8,1 | 1,0 | µg/l | 96% |
| Manganese | 14,1 | 0,1 | 12,1 | 1,0 | µg/l | 86% |
| Nickel | 0,32 | 0,02 | 0,8 | 0,1 | µg/l | 250% |
| Mercury | 1,24 | 0,02 | 1,243 | 0,005 | µg/l | 100% |
| Selenium | 1,80 | 0,01 | 2,34 | 0,40 | µg/l | 130% |
| Silver | 0,070 | 0,002 | 0,066 | 0,010 | µg/l | 94% |
| Uranium | 2,72 | 0,02 | 2,70 | 0,20 | µg/l | 99% |
| Zinc | 17,7 | 0,1 | 19,4 | 2,0 | µg/l | 110% |



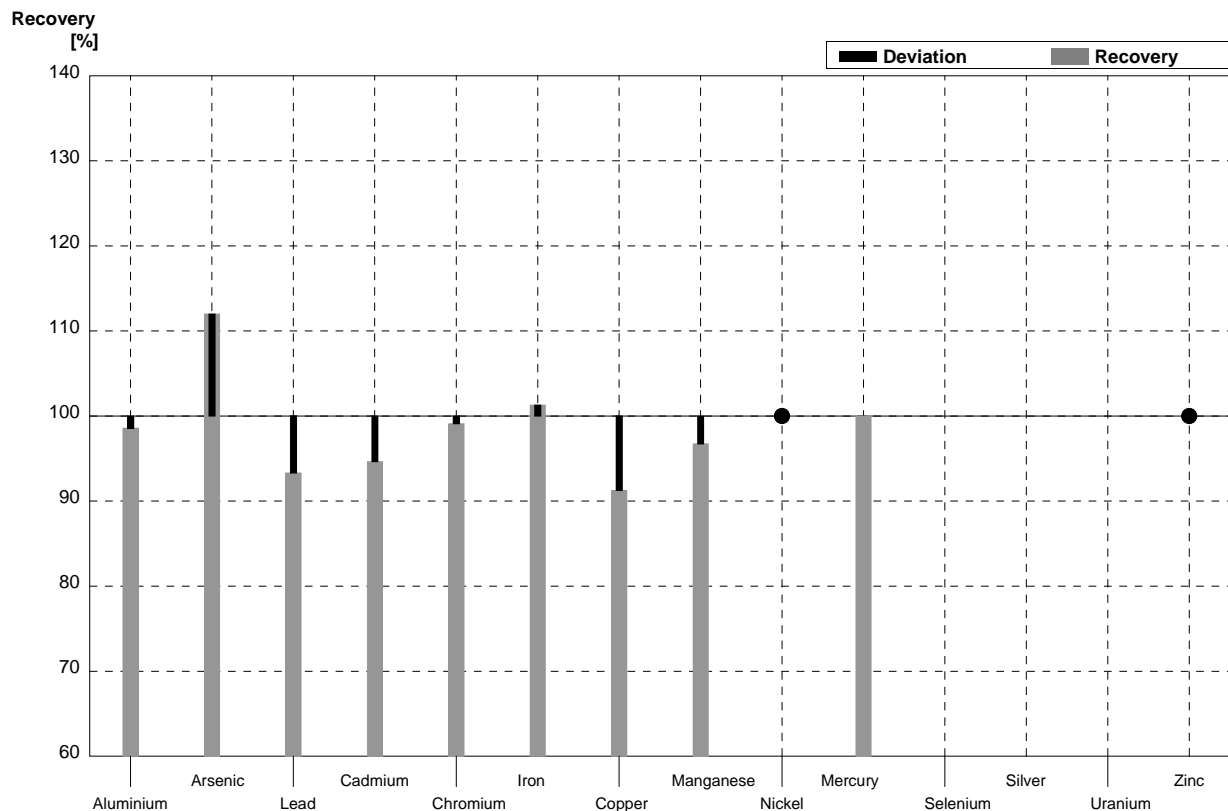
Sample M106A
Laboratory S

| Parameter | Target value | ± U (k=2) | Result | ± | Unit | Recovery |
|-----------|--------------|-----------|--------|-------|------|----------|
| Aluminium | 47,9 | 0,3 | 46,81 | 7,02 | µg/l | 98% |
| Arsenic | 3,85 | 0,03 | 3,98 | 0,60 | µg/l | 103% |
| Lead | 10,07 | 0,10 | 9,63 | 1,45 | µg/l | 96% |
| Cadmium | 1,45 | 0,01 | 1,37 | 0,21 | µg/l | 94% |
| Chromium | 1,53 | 0,01 | 1,92 | 0,29 | µg/l | 125% |
| Iron | 32,1 | 0,2 | 30,87 | 4,63 | µg/l | 96% |
| Copper | 4,79 | 0,13 | 4,44 | 0,67 | µg/l | 93% |
| Manganese | 39,8 | 0,2 | 38,24 | 5,74 | µg/l | 96% |
| Nickel | 0,97 | 0,02 | <1 | | µg/l | • |
| Mercury | 0,64 | 0,01 | 0,627 | 0,094 | µg/l | 98% |
| Selenium | 0,60 | 0,01 | | | µg/l | |
| Silver | 0,140 | 0,005 | | | µg/l | |
| Uranium | 1,96 | 0,02 | | | µg/l | |
| Zinc | 10,05 | 0,11 | <20 | | µg/l | • |



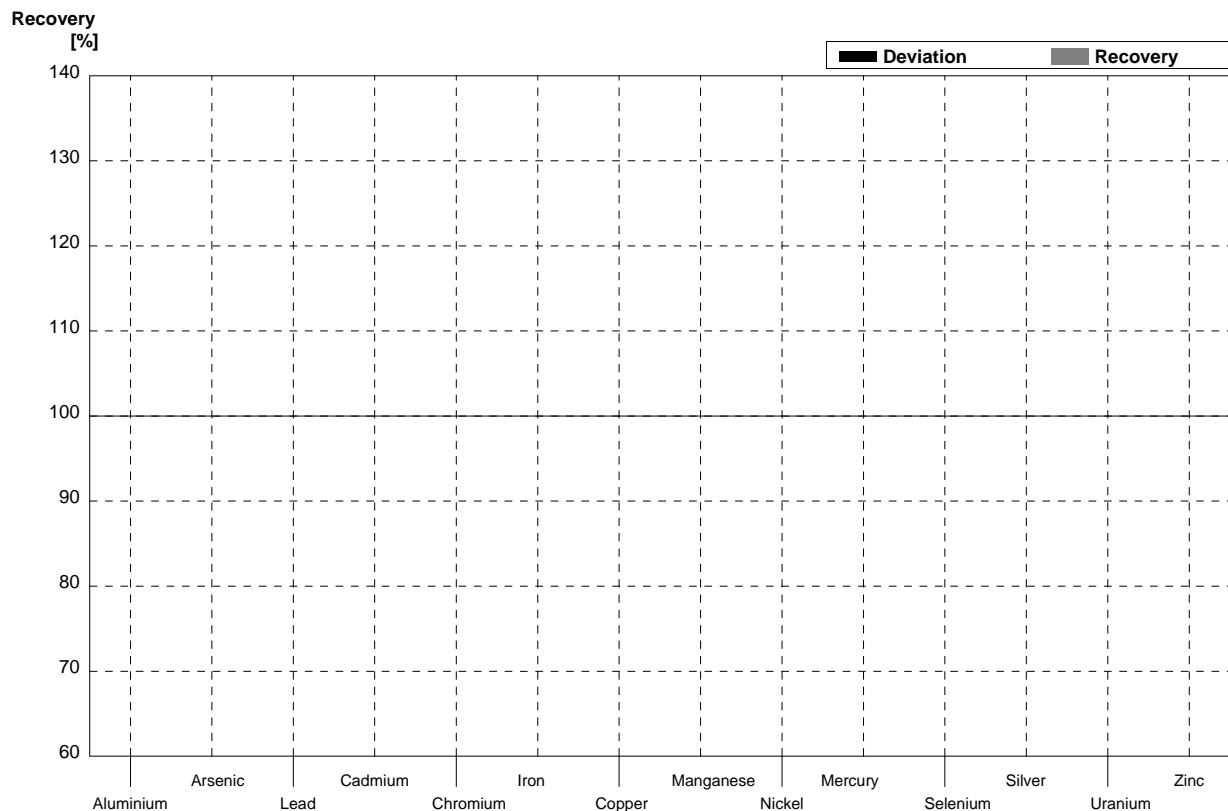
Sample M106B
Laboratory S

| Parameter | Target value | ± U (k=2) | Result | ± | Unit | Recovery |
|-----------|--------------|-----------|--------|------|------|----------|
| Aluminium | 17,6 | 0,1 | 17,35 | 2,60 | µg/l | 99% |
| Arsenic | 1,25 | 0,01 | 1,40 | 0,21 | µg/l | 112% |
| Lead | 2,69 | 0,02 | 2,51 | 0,38 | µg/l | 93% |
| Cadmium | 0,56 | 0,01 | 0,53 | 0,08 | µg/l | 95% |
| Chromium | 10,06 | 0,10 | 9,97 | 1,50 | µg/l | 99% |
| Iron | 64,7 | 0,3 | 65,53 | 9,83 | µg/l | 101% |
| Copper | 8,47 | 0,19 | 7,73 | 1,16 | µg/l | 91% |
| Manganese | 14,1 | 0,1 | 13,64 | 2,05 | µg/l | 97% |
| Nickel | 0,32 | 0,02 | <1 | | µg/l | • |
| Mercury | 1,24 | 0,02 | 1,24 | 0,19 | µg/l | 100% |
| Selenium | 1,80 | 0,01 | | | µg/l | |
| Silver | 0,070 | 0,002 | | | µg/l | |
| Uranium | 2,72 | 0,02 | | | µg/l | |
| Zinc | 17,7 | 0,1 | <20 | | µg/l | • |



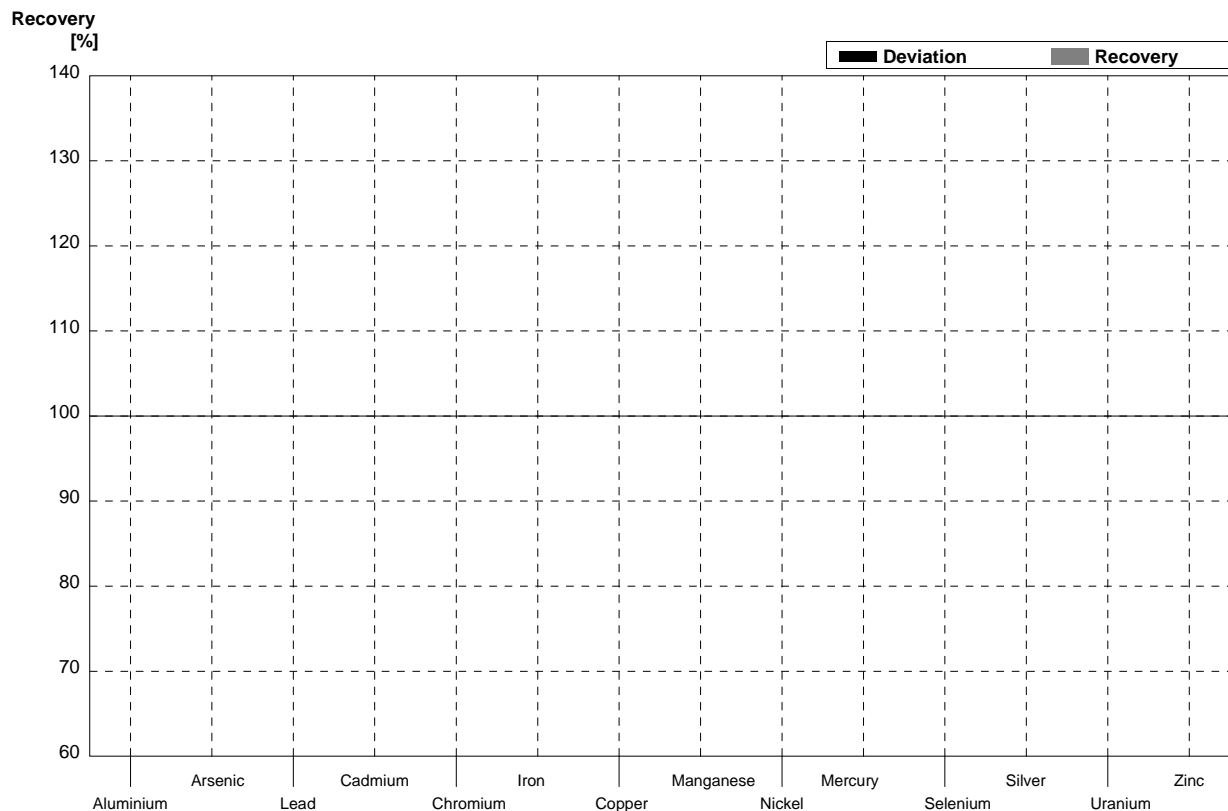
Sample M106A
Laboratory T

| Parameter | Target value | $\pm U (k=2)$ | Result | \pm | Unit | Recovery |
|-----------|--------------|---------------|--------|-------|-----------------|----------|
| Aluminium | 47,9 | 0,3 | | | $\mu\text{g/l}$ | |
| Arsenic | 3,85 | 0,03 | | | $\mu\text{g/l}$ | |
| Lead | 10,07 | 0,10 | | | $\mu\text{g/l}$ | |
| Cadmium | 1,45 | 0,01 | | | $\mu\text{g/l}$ | |
| Chromium | 1,53 | 0,01 | | | $\mu\text{g/l}$ | |
| Iron | 32,1 | 0,2 | | | $\mu\text{g/l}$ | |
| Copper | 4,79 | 0,13 | | | $\mu\text{g/l}$ | |
| Manganese | 39,8 | 0,2 | | | $\mu\text{g/l}$ | |
| Nickel | 0,97 | 0,02 | | | $\mu\text{g/l}$ | |
| Mercury | 0,64 | 0,01 | | | $\mu\text{g/l}$ | |
| Selenium | 0,60 | 0,01 | | | $\mu\text{g/l}$ | |
| Silver | 0,140 | 0,005 | | | $\mu\text{g/l}$ | |
| Uranium | 1,96 | 0,02 | | | $\mu\text{g/l}$ | |
| Zinc | 10,05 | 0,11 | | | $\mu\text{g/l}$ | |



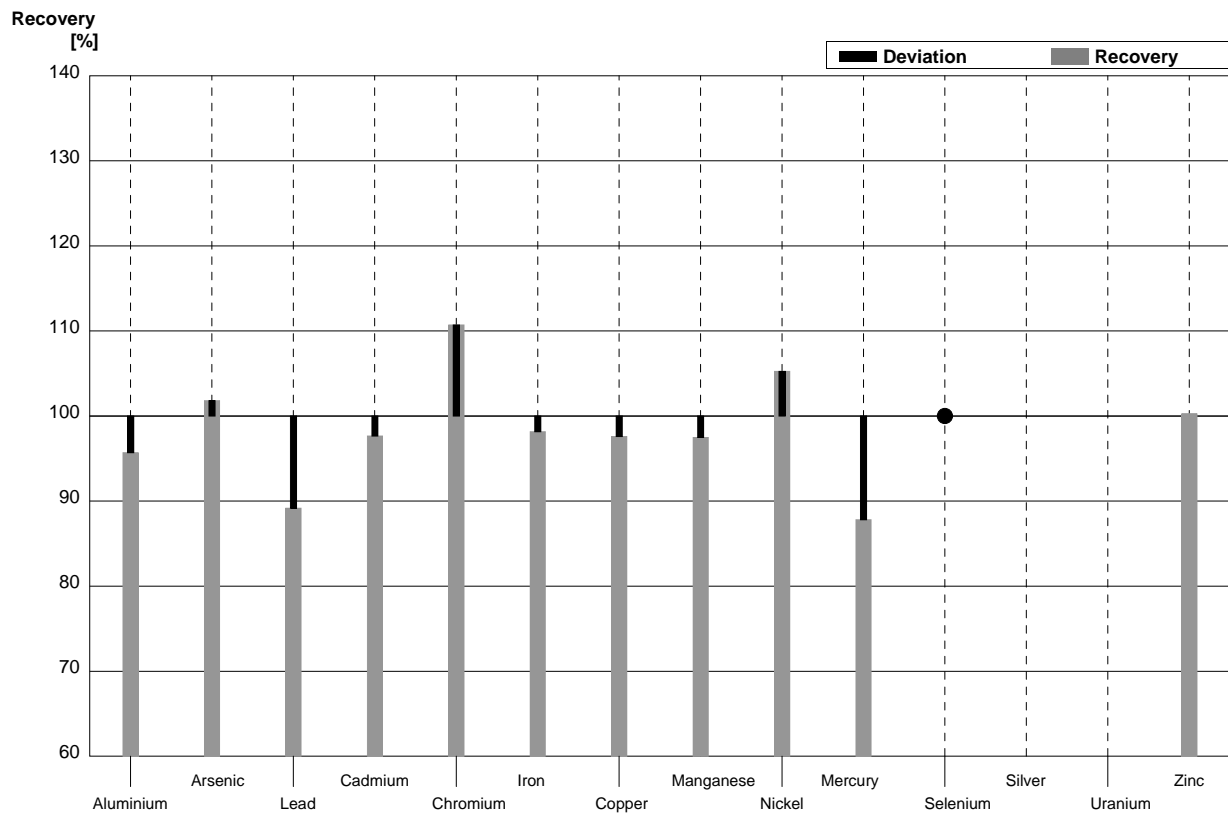
Sample M106B
Laboratory T

| Parameter | Target value | $\pm U (k=2)$ | Result | \pm | Unit | Recovery |
|-----------|--------------|---------------|--------|-------|-----------------|----------|
| Aluminium | 17,6 | 0,1 | | | $\mu\text{g/l}$ | |
| Arsenic | 1,25 | 0,01 | | | $\mu\text{g/l}$ | |
| Lead | 2,69 | 0,02 | | | $\mu\text{g/l}$ | |
| Cadmium | 0,56 | 0,01 | | | $\mu\text{g/l}$ | |
| Chromium | 10,06 | 0,10 | | | $\mu\text{g/l}$ | |
| Iron | 64,7 | 0,3 | | | $\mu\text{g/l}$ | |
| Copper | 8,47 | 0,19 | | | $\mu\text{g/l}$ | |
| Manganese | 14,1 | 0,1 | | | $\mu\text{g/l}$ | |
| Nickel | 0,32 | 0,02 | | | $\mu\text{g/l}$ | |
| Mercury | 1,24 | 0,02 | | | $\mu\text{g/l}$ | |
| Selenium | 1,80 | 0,01 | | | $\mu\text{g/l}$ | |
| Silver | 0,070 | 0,002 | | | $\mu\text{g/l}$ | |
| Uranium | 2,72 | 0,02 | | | $\mu\text{g/l}$ | |
| Zinc | 17,7 | 0,1 | | | $\mu\text{g/l}$ | |



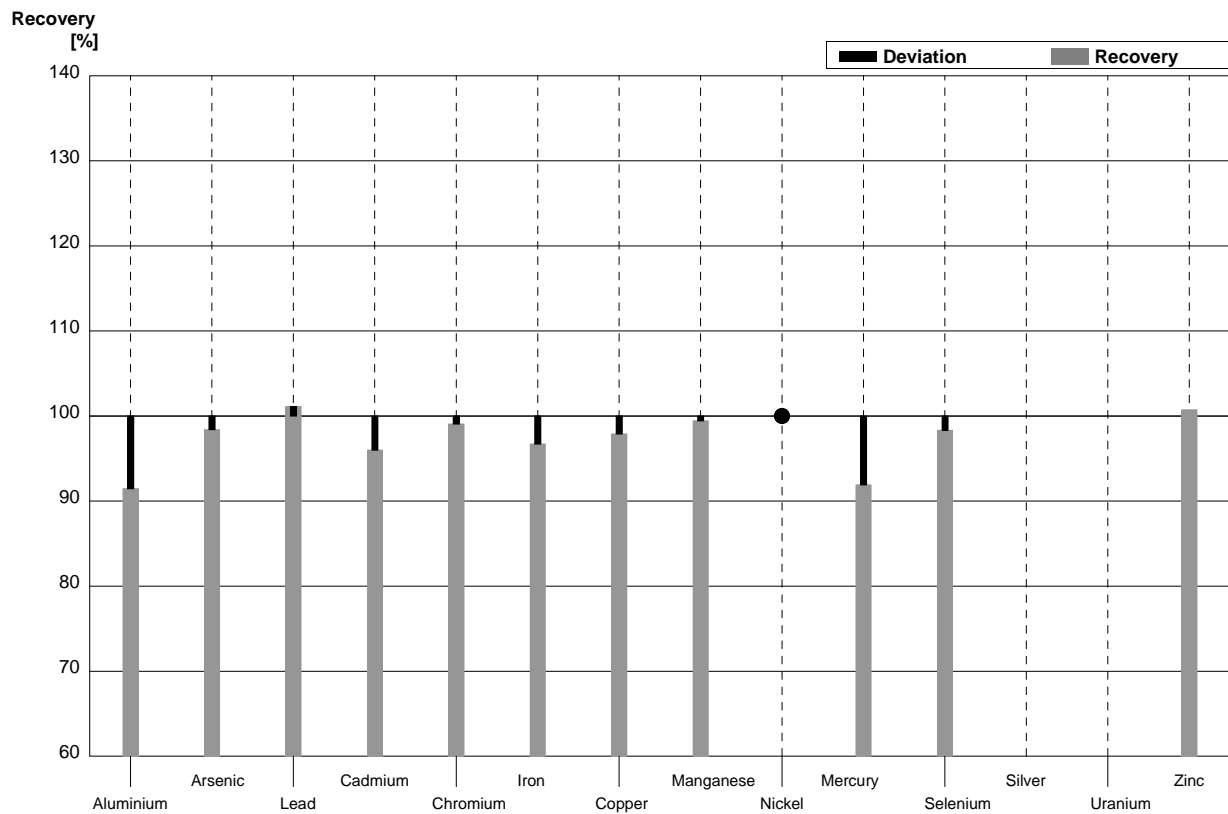
Sample M106A
Laboratory U

| Parameter | Target value | ± U (k=2) | Result | ± | Unit | Recovery |
|-----------|--------------|-----------|--------|-------|------|----------|
| Aluminium | 47,9 | 0,3 | 45,84 | 9,17 | µg/l | 96% |
| Arsenic | 3,85 | 0,03 | 3,92 | 0,78 | µg/l | 102% |
| Lead | 10,07 | 0,10 | 8,98 | 1,80 | µg/l | 89% |
| Cadmium | 1,45 | 0,01 | 1,416 | 0,283 | µg/l | 98% |
| Chromium | 1,53 | 0,01 | 1,694 | 0,339 | µg/l | 111% |
| Iron | 32,1 | 0,2 | 31,51 | 6,30 | µg/l | 98% |
| Copper | 4,79 | 0,13 | 4,675 | 0,935 | µg/l | 98% |
| Manganese | 39,8 | 0,2 | 38,80 | 7,76 | µg/l | 97% |
| Nickel | 0,97 | 0,02 | 1,021 | 0,204 | µg/l | 105% |
| Mercury | 0,64 | 0,01 | 0,562 | 0,112 | µg/l | 88% |
| Selenium | 0,60 | 0,01 | <1,0 | | µg/l | • |
| Silver | 0,140 | 0,005 | | | µg/l | |
| Uranium | 1,96 | 0,02 | | | µg/l | |
| Zinc | 10,05 | 0,11 | 10,08 | 2,02 | µg/l | 100% |



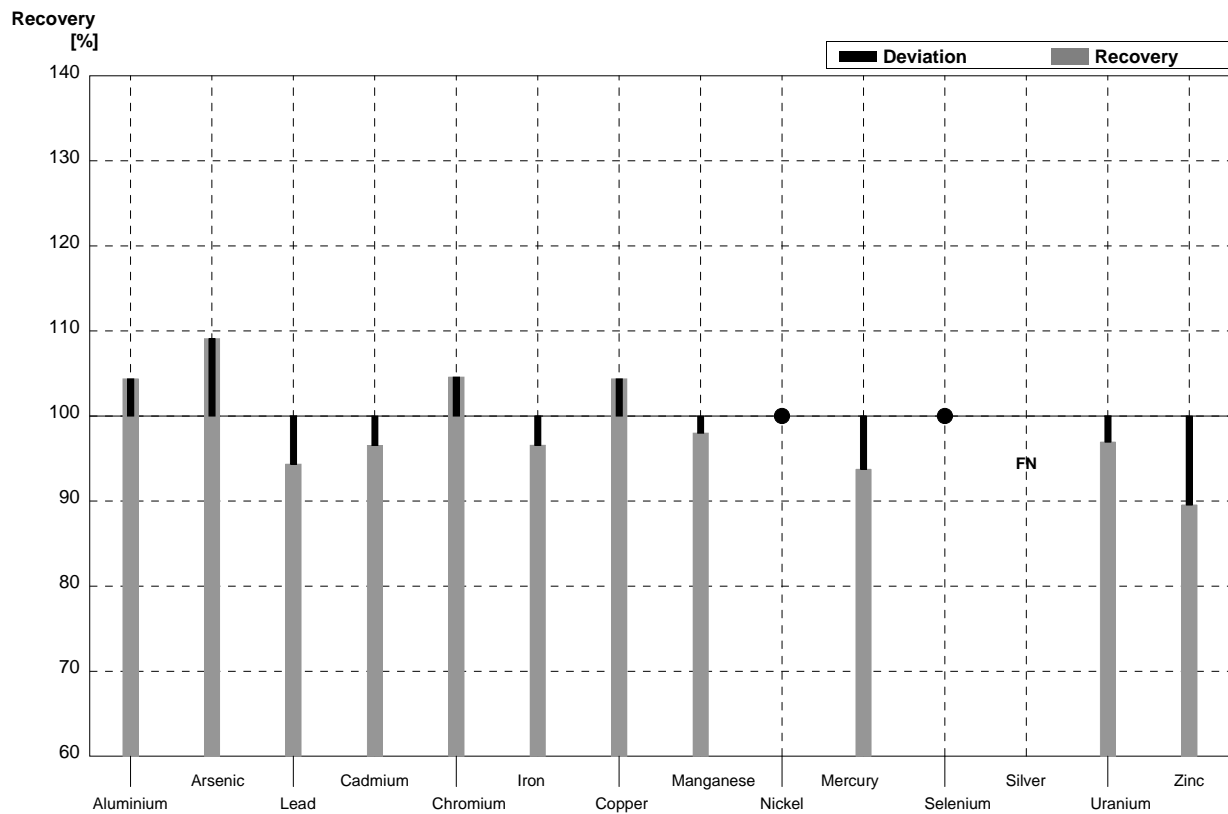
Sample M106B
Laboratory U

| Parameter | Target value | ± U (k=2) | Result | ± | Unit | Recovery |
|-----------|--------------|-----------|--------|--------|------|----------|
| Aluminium | 17,6 | 0,1 | 16,10 | 3,22 | µg/l | 91% |
| Arsenic | 1,25 | 0,01 | 1,23 | 0,25 | µg/l | 98% |
| Lead | 2,69 | 0,02 | 2,72 | 0,54 | µg/l | 101% |
| Cadmium | 0,56 | 0,01 | 0,5376 | 0,1075 | µg/l | 96% |
| Chromium | 10,06 | 0,10 | 9,968 | 1,994 | µg/l | 99% |
| Iron | 64,7 | 0,3 | 62,57 | 12,51 | µg/l | 97% |
| Copper | 8,47 | 0,19 | 8,292 | 1,658 | µg/l | 98% |
| Manganese | 14,1 | 0,1 | 14,02 | 2,80 | µg/l | 99% |
| Nickel | 0,32 | 0,02 | <1,0 | | µg/l | • |
| Mercury | 1,24 | 0,02 | 1,14 | 0,23 | µg/l | 92% |
| Selenium | 1,80 | 0,01 | 1,77 | 0,35 | µg/l | 98% |
| Silver | 0,070 | 0,002 | | | µg/l | |
| Uranium | 2,72 | 0,02 | | | µg/l | |
| Zinc | 17,7 | 0,1 | 17,83 | 3,57 | µg/l | 101% |



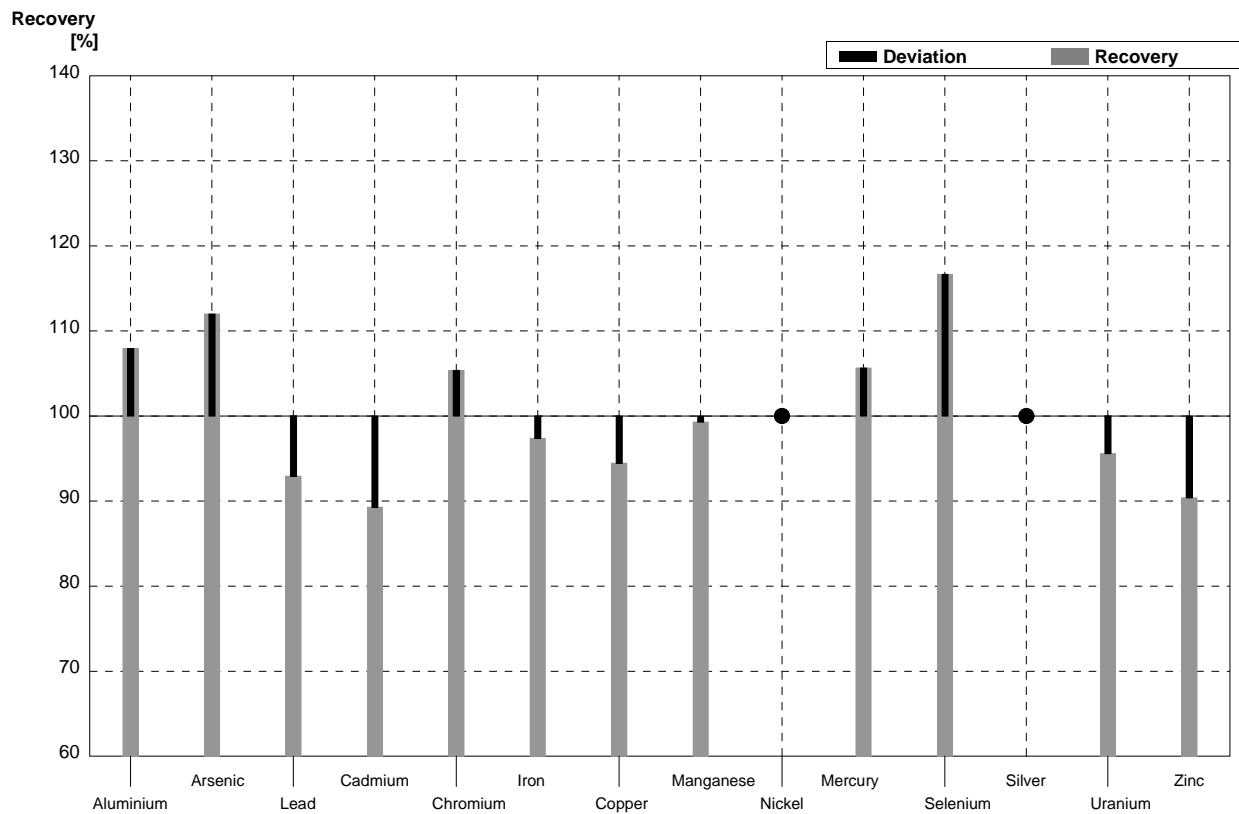
Sample M106A
Laboratory V

| Parameter | Target value | $\pm U (k=2)$ | Result | \pm | Unit | Recovery |
|-----------|--------------|---------------|--------|-------|-----------------|----------|
| Aluminium | 47,9 | 0,3 | 50,0 | 6,00 | $\mu\text{g/l}$ | 104% |
| Arsenic | 3,85 | 0,03 | 4,2 | 0,672 | $\mu\text{g/l}$ | 109% |
| Lead | 10,07 | 0,10 | 9,5 | 1,52 | $\mu\text{g/l}$ | 94% |
| Cadmium | 1,45 | 0,01 | 1,4 | 0,098 | $\mu\text{g/l}$ | 97% |
| Chromium | 1,53 | 0,01 | 1,6 | 0,16 | $\mu\text{g/l}$ | 105% |
| Iron | 32,1 | 0,2 | 31,0 | 2,17 | $\mu\text{g/l}$ | 97% |
| Copper | 4,79 | 0,13 | 5,0 | 0,50 | $\mu\text{g/l}$ | 104% |
| Manganese | 39,8 | 0,2 | 39,0 | 3,90 | $\mu\text{g/l}$ | 98% |
| Nickel | 0,97 | 0,02 | <2,0 | 0,28 | $\mu\text{g/l}$ | • |
| Mercury | 0,64 | 0,01 | 0,60 | 0,06 | $\mu\text{g/l}$ | 94% |
| Selenium | 0,60 | 0,01 | <0,9 | 0,243 | $\mu\text{g/l}$ | • |
| Silver | 0,140 | 0,005 | <0,1 | 0,01 | $\mu\text{g/l}$ | FN |
| Uranium | 1,96 | 0,02 | 1,9 | 0,152 | $\mu\text{g/l}$ | 97% |
| Zinc | 10,05 | 0,11 | 9,0 | 1,71 | $\mu\text{g/l}$ | 90% |



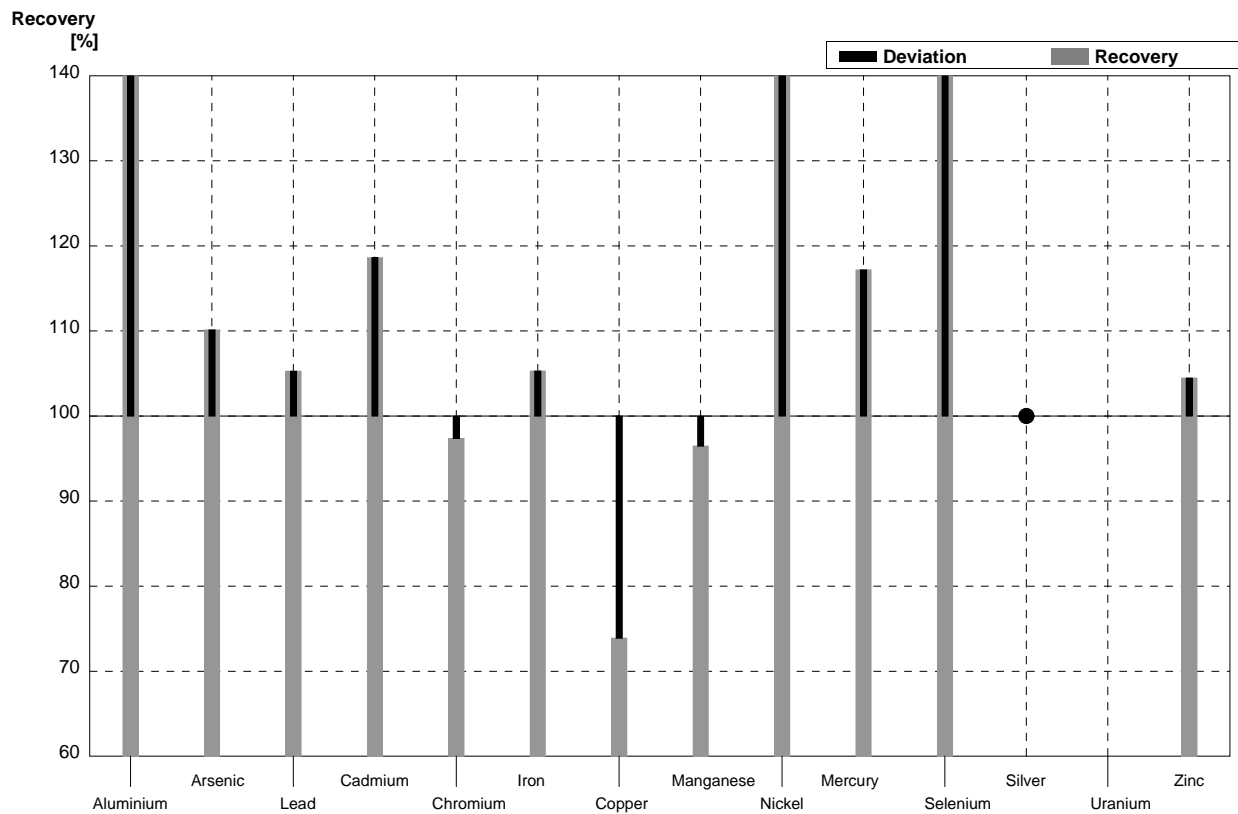
Sample M106B
Laboratory V

| Parameter | Target value | ± U (k=2) | Result | ± | Unit | Recovery |
|-----------|--------------|-----------|--------|-------|------|----------|
| Aluminium | 17,6 | 0,1 | 19,0 | 2,28 | µg/l | 108% |
| Arsenic | 1,25 | 0,01 | 1,4 | 0,224 | µg/l | 112% |
| Lead | 2,69 | 0,02 | 2,5 | 0,4 | µg/l | 93% |
| Cadmium | 0,56 | 0,01 | 0,5 | 0,035 | µg/l | 89% |
| Chromium | 10,06 | 0,10 | 10,6 | 1,06 | µg/l | 105% |
| Iron | 64,7 | 0,3 | 63,0 | 4,41 | µg/l | 97% |
| Copper | 8,47 | 0,19 | 8,0 | 0,80 | µg/l | 94% |
| Manganese | 14,1 | 0,1 | 14,0 | 1,40 | µg/l | 99% |
| Nickel | 0,32 | 0,02 | <0,7 | 0,098 | µg/l | • |
| Mercury | 1,24 | 0,02 | 1,31 | 0,131 | µg/l | 106% |
| Selenium | 1,80 | 0,01 | 2,1 | 0,567 | µg/l | 117% |
| Silver | 0,070 | 0,002 | <0,1 | 0,01 | µg/l | • |
| Uranium | 2,72 | 0,02 | 2,6 | 0,208 | µg/l | 96% |
| Zinc | 17,7 | 0,1 | 16,0 | 3,04 | µg/l | 90% |



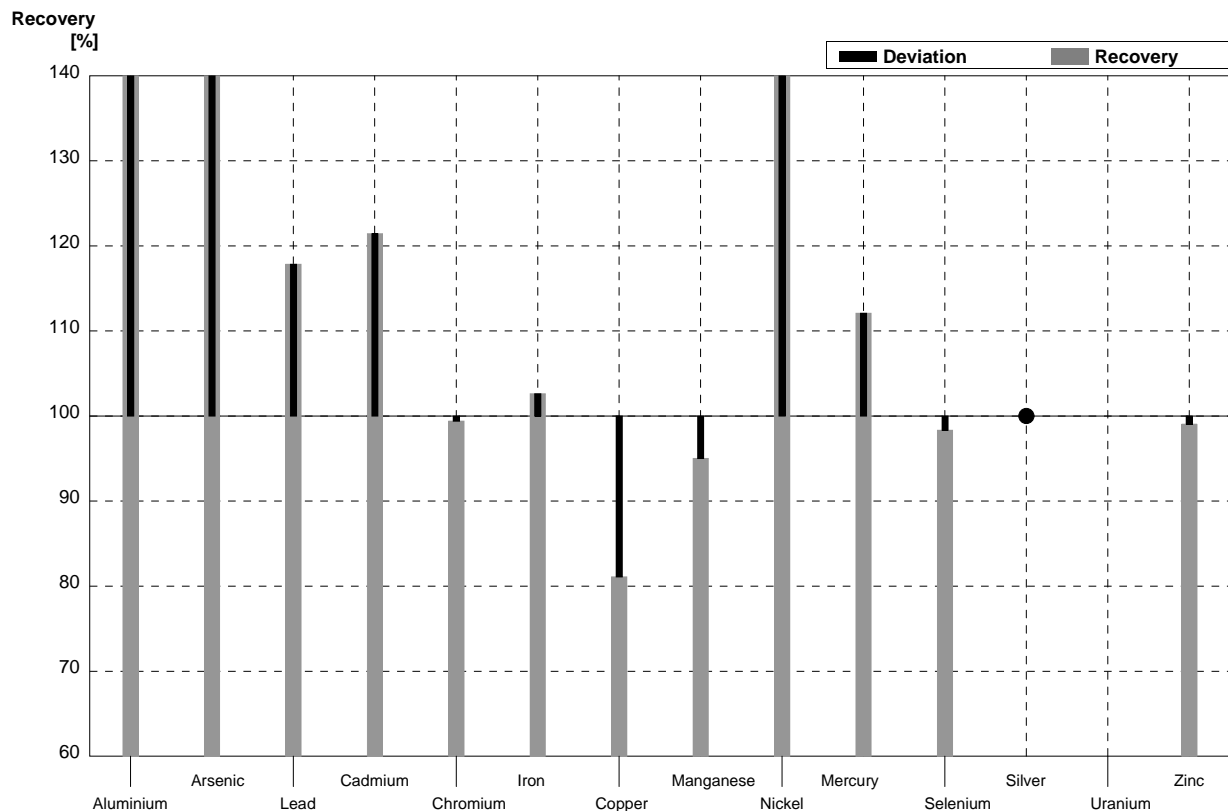
Sample M106A
Laboratory W

| Parameter | Target value | ± U (k=2) | Result | ± | Unit | Recovery |
|-----------|--------------|-----------|--------|------|------|----------|
| Aluminium | 47,9 | 0,3 | 67,9 | 5 | µg/l | 142% |
| Arsenic | 3,85 | 0,03 | 4,24 | 0,4 | µg/l | 110% |
| Lead | 10,07 | 0,10 | 10,6 | 0,5 | µg/l | 105% |
| Cadmium | 1,45 | 0,01 | 1,72 | 0,15 | µg/l | 119% |
| Chromium | 1,53 | 0,01 | 1,49 | 0,1 | µg/l | 97% |
| Iron | 32,1 | 0,2 | 33,8 | 2 | µg/l | 105% |
| Copper | 4,79 | 0,13 | 3,54 | 0,3 | µg/l | 74% |
| Manganese | 39,8 | 0,2 | 38,4 | 2 | µg/l | 96% |
| Nickel | 0,97 | 0,02 | 2,37 | 0,3 | µg/l | 244% |
| Mercury | 0,64 | 0,01 | 0,75 | 0,05 | µg/l | 117% |
| Selenium | 0,60 | 0,01 | 1,91 | 0,25 | µg/l | 318% |
| Silver | 0,140 | 0,005 | <1,0 | | µg/l | • |
| Uranium | 1,96 | 0,02 | | | µg/l | |
| Zinc | 10,05 | 0,11 | 10,5 | 1 | µg/l | 104% |



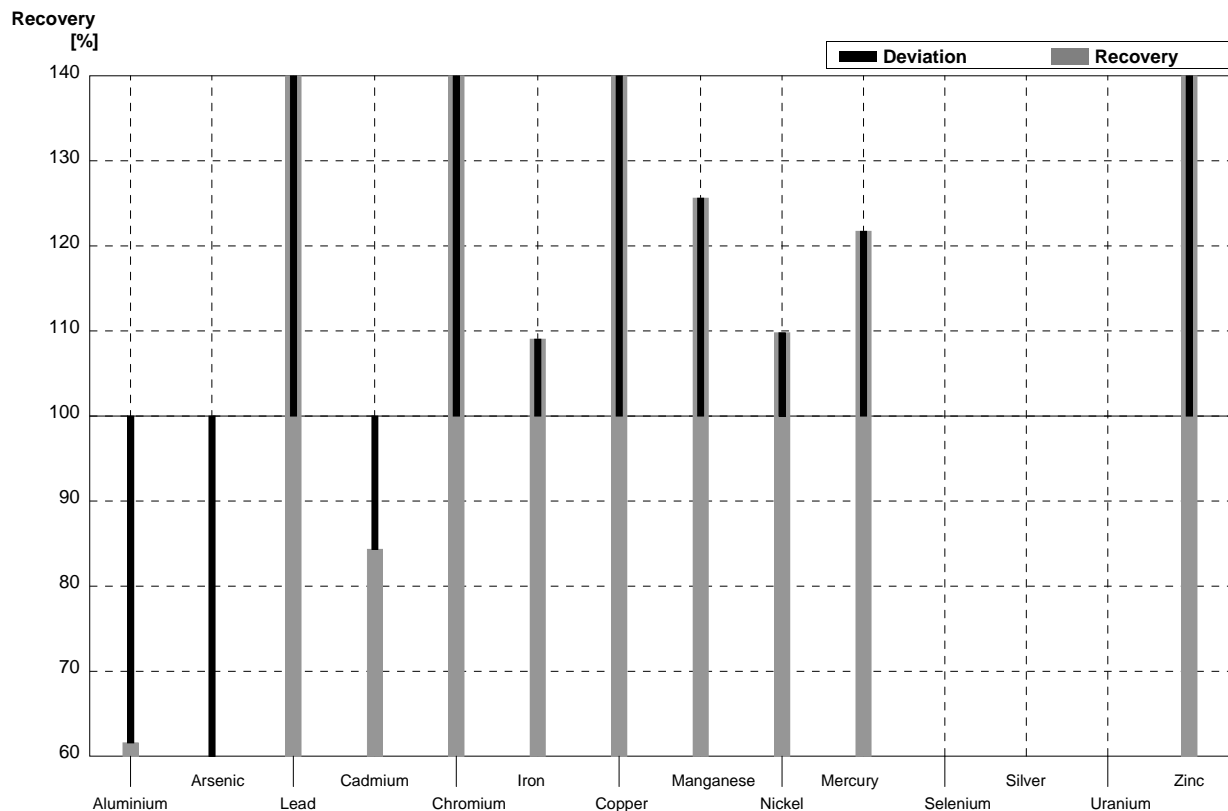
Sample M106B
Laboratory W

| Parameter | Target value | ± U (k=2) | Result | ± | Unit | Recovery |
|-----------|--------------|-----------|--------|------|------|----------|
| Aluminium | 17,6 | 0,1 | 40,4 | 3 | µg/l | 230% |
| Arsenic | 1,25 | 0,01 | 2,43 | 0,2 | µg/l | 194% |
| Lead | 2,69 | 0,02 | 3,17 | 0,3 | µg/l | 118% |
| Cadmium | 0,56 | 0,01 | 0,68 | 0,1 | µg/l | 121% |
| Chromium | 10,06 | 0,10 | 10,0 | 0,5 | µg/l | 99% |
| Iron | 64,7 | 0,3 | 66,4 | 2 | µg/l | 103% |
| Copper | 8,47 | 0,19 | 6,87 | 0,5 | µg/l | 81% |
| Manganese | 14,1 | 0,1 | 13,4 | 1 | µg/l | 95% |
| Nickel | 0,32 | 0,02 | 1,37 | 0,2 | µg/l | 428% |
| Mercury | 1,24 | 0,02 | 1,39 | 0,1 | µg/l | 112% |
| Selenium | 1,80 | 0,01 | 1,77 | 0,25 | µg/l | 98% |
| Silver | 0,070 | 0,002 | <1,0 | | µg/l | • |
| Uranium | 2,72 | 0,02 | | | µg/l | |
| Zinc | 17,7 | 0,1 | 17,53 | 1 | µg/l | 99% |



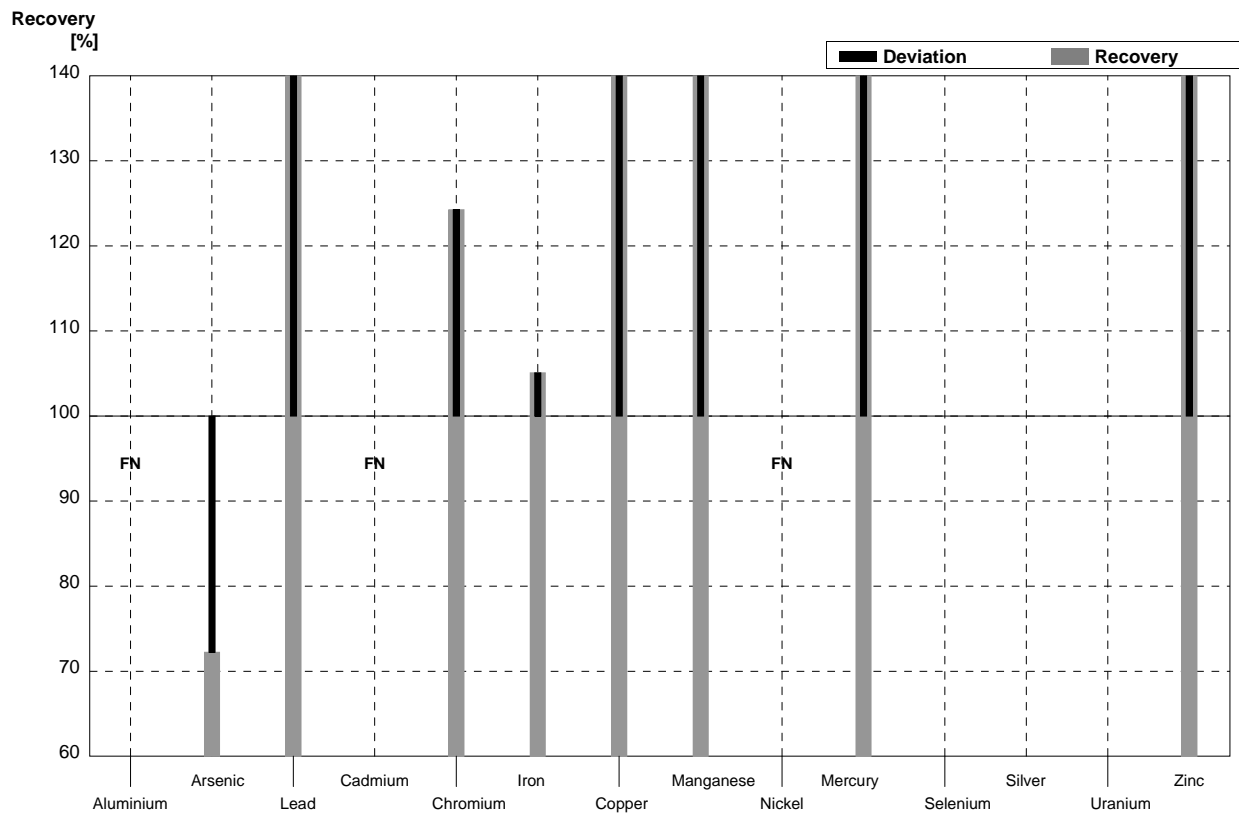
Sample M106A
Laboratory X

| Parameter | Target value | $\pm U (k=2)$ | Result | \pm | Unit | Recovery |
|-----------|--------------|---------------|--------|-------|-----------------|----------|
| Aluminium | 47,9 | 0,3 | 29,5 | 1,5 | $\mu\text{g/l}$ | 62% |
| Arsenic | 3,85 | 0,03 | 1,729 | 0,061 | $\mu\text{g/l}$ | 45% |
| Lead | 10,07 | 0,10 | 14,244 | 1,759 | $\mu\text{g/l}$ | 141% |
| Cadmium | 1,45 | 0,01 | 1,223 | 0,083 | $\mu\text{g/l}$ | 84% |
| Chromium | 1,53 | 0,01 | 7,2 | 3,6 | $\mu\text{g/l}$ | 471% |
| Iron | 32,1 | 0,2 | 35 | 4 | $\mu\text{g/l}$ | 109% |
| Copper | 4,79 | 0,13 | 7,108 | 0,749 | $\mu\text{g/l}$ | 148% |
| Manganese | 39,8 | 0,2 | 50 | 5 | $\mu\text{g/l}$ | 126% |
| Nickel | 0,97 | 0,02 | 1,065 | 0,160 | $\mu\text{g/l}$ | 110% |
| Mercury | 0,64 | 0,01 | 0,779 | 0,150 | $\mu\text{g/l}$ | 122% |
| Selenium | 0,60 | 0,01 | | | $\mu\text{g/l}$ | |
| Silver | 0,140 | 0,005 | | | $\mu\text{g/l}$ | |
| Uranium | 1,96 | 0,02 | | | $\mu\text{g/l}$ | |
| Zinc | 10,05 | 0,11 | 17,279 | 3,136 | $\mu\text{g/l}$ | 172% |



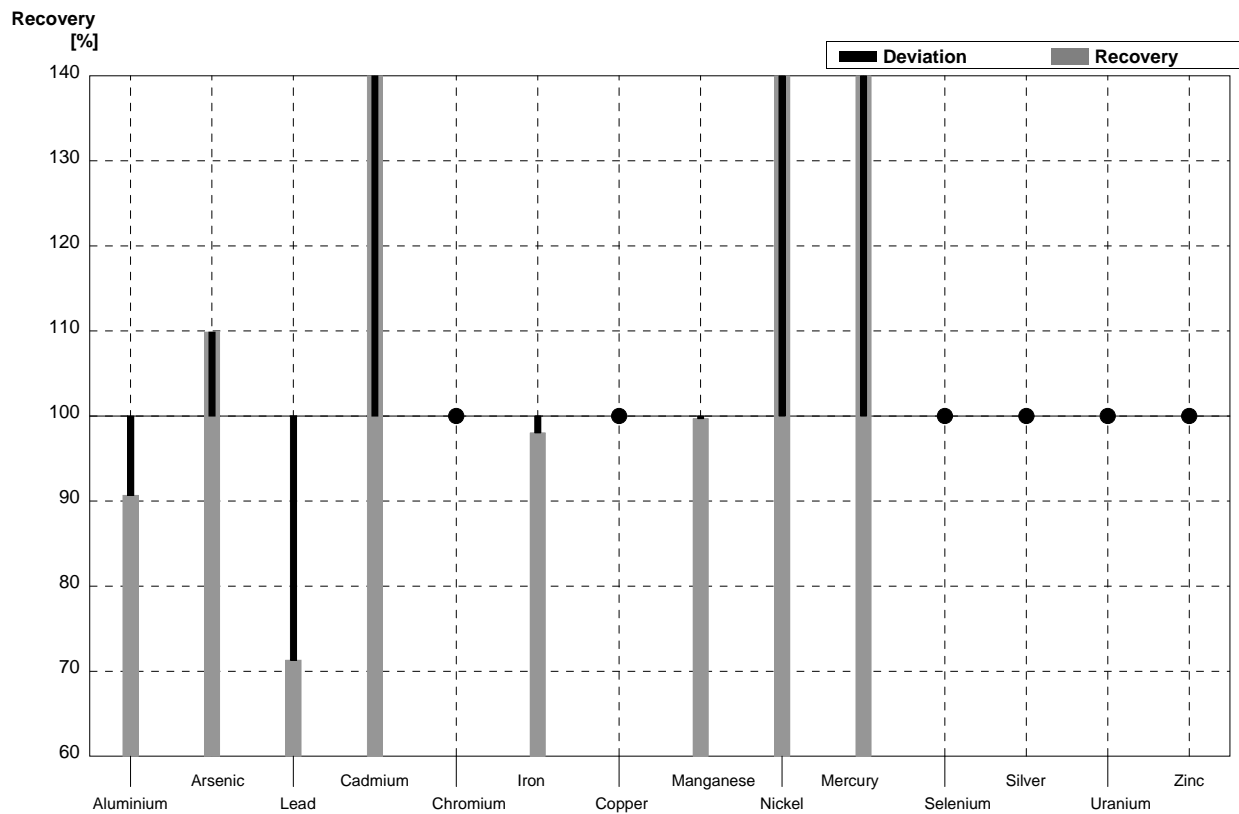
Sample M106B
Laboratory X

| Parameter | Target value | ± U (k=2) | Result | ± | Unit | Recovery |
|-----------|--------------|-----------|---------|-------|------|----------|
| Aluminium | 17,6 | 0,1 | [1,0] | | µg/l | FN |
| Arsenic | 1,25 | 0,01 | 0,903 | 0,027 | µg/l | 72% |
| Lead | 2,69 | 0,02 | 5,672 | 0,178 | µg/l | 211% |
| Cadmium | 0,56 | 0,01 | [0,020] | | µg/l | FN |
| Chromium | 10,06 | 0,10 | 12,5 | 3,5 | µg/l | 124% |
| Iron | 64,7 | 0,3 | 68 | 7 | µg/l | 105% |
| Copper | 8,47 | 0,19 | 12,672 | 0,910 | µg/l | 150% |
| Manganese | 14,1 | 0,1 | 68 | 7 | µg/l | 482% |
| Nickel | 0,32 | 0,02 | <0,094 | | µg/l | FN |
| Mercury | 1,24 | 0,02 | 2,736 | 0,087 | µg/l | 221% |
| Selenium | 1,80 | 0,01 | | | µg/l | |
| Silver | 0,070 | 0,002 | | | µg/l | |
| Uranium | 2,72 | 0,02 | | | µg/l | |
| Zinc | 17,7 | 0,1 | 47,518 | 4,441 | µg/l | 268% |



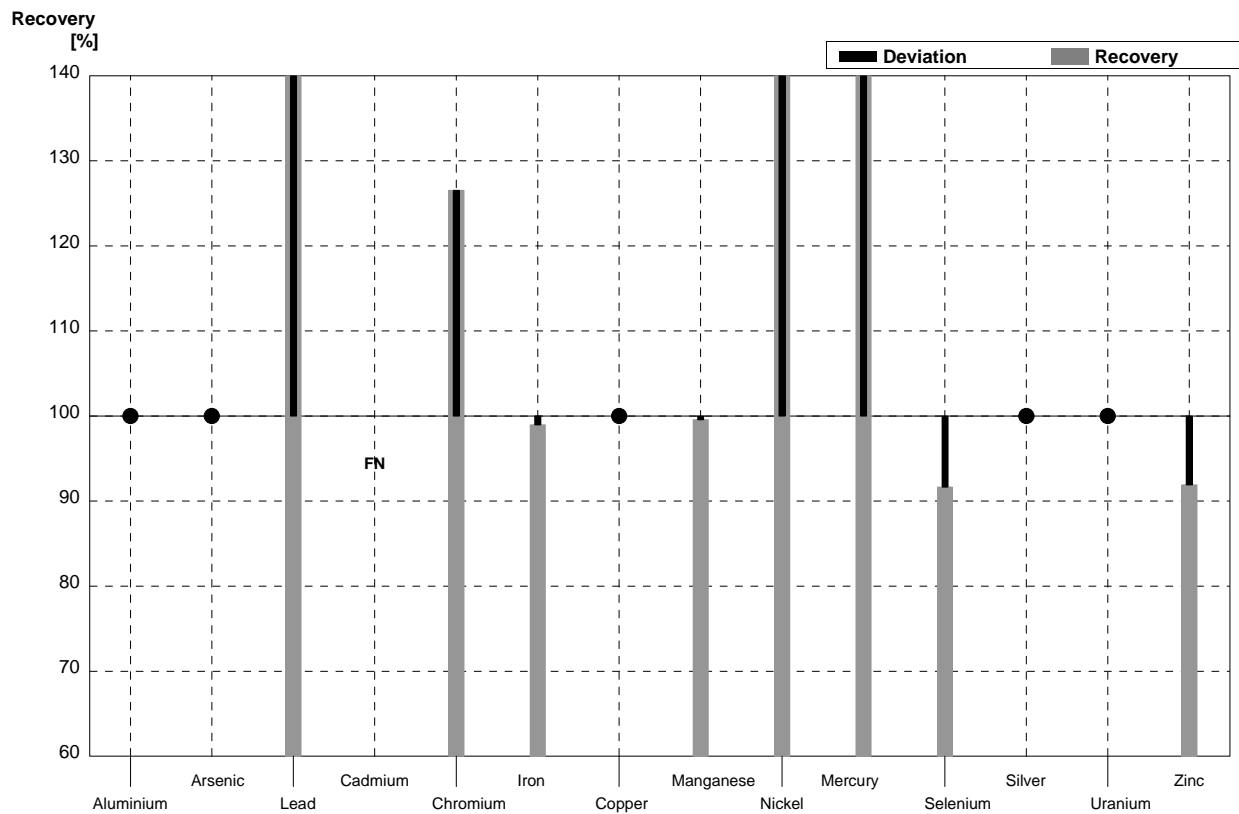
Sample M106A
Laboratory Y

| Parameter | Target value | ± U (k=2) | Result | ± | Unit | Recovery |
|-----------|--------------|-----------|--------|------|------|----------|
| Aluminium | 47,9 | 0,3 | 43,43 | 0,96 | µg/l | 91% |
| Arsenic | 3,85 | 0,03 | 4,23 | 0,65 | µg/l | 110% |
| Lead | 10,07 | 0,10 | 7,18 | 0,25 | µg/l | 71% |
| Cadmium | 1,45 | 0,01 | 2,59 | 0,11 | µg/l | 179% |
| Chromium | 1,53 | 0,01 | <5 | | µg/l | • |
| Iron | 32,1 | 0,2 | 31,47 | 0,28 | µg/l | 98% |
| Copper | 4,79 | 0,13 | <10 | | µg/l | • |
| Manganese | 39,8 | 0,2 | 39,68 | 0,07 | µg/l | 100% |
| Nickel | 0,97 | 0,02 | 11,08 | 0,35 | µg/l | 1142% |
| Mercury | 0,64 | 0,01 | 5,78 | 0,15 | µg/l | 903% |
| Selenium | 0,60 | 0,01 | <1 | | µg/l | • |
| Silver | 0,140 | 0,005 | <5 | | µg/l | • |
| Uranium | 1,96 | 0,02 | <100 | | µg/l | • |
| Zinc | 10,05 | 0,11 | <10 | | µg/l | FN |



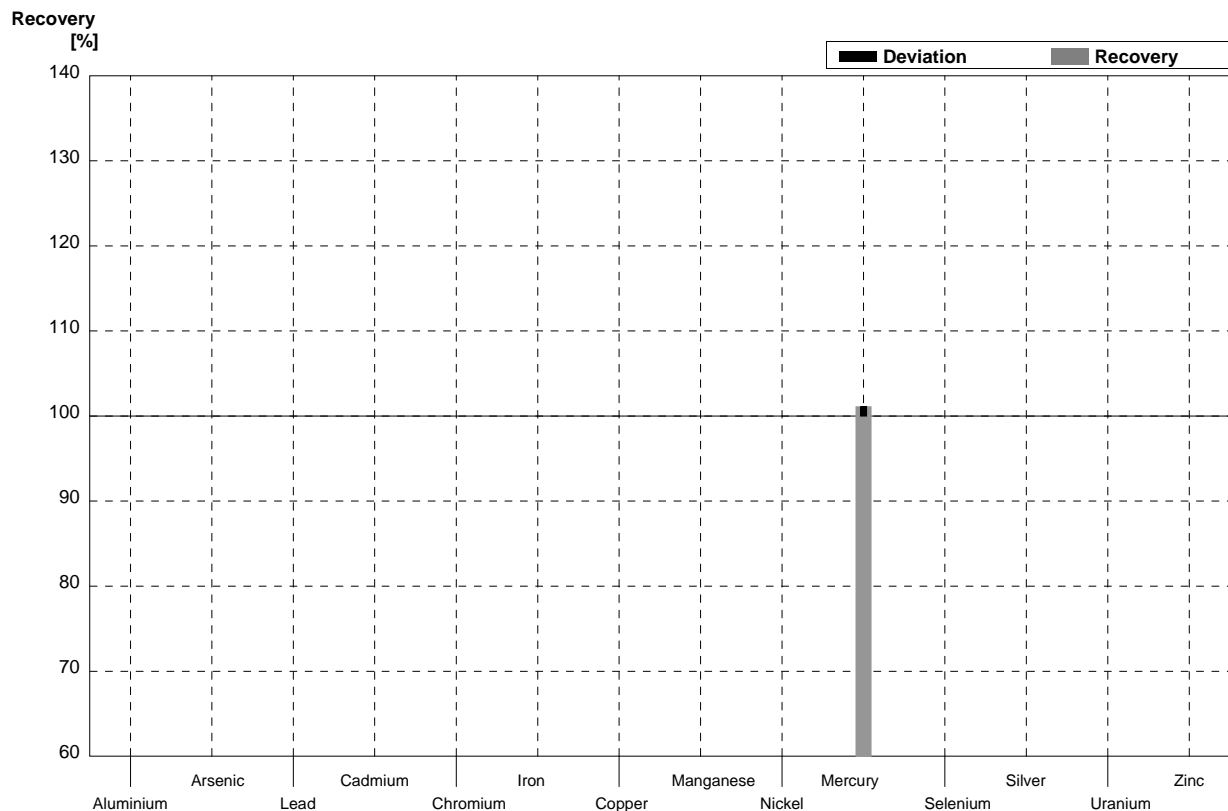
Sample M106B
Laboratory Y

| Parameter | Target value | ± U (k=2) | Result | ± | Unit | Recovery |
|-----------|--------------|-----------|--------|------|------|----------|
| Aluminium | 17,6 | 0,1 | <20 | | µg/l | • |
| Arsenic | 1,25 | 0,01 | <2,5 | | µg/l | • |
| Lead | 2,69 | 0,02 | 9,46 | 0,27 | µg/l | 352% |
| Cadmium | 0,56 | 0,01 | <0,5 | | µg/l | FN |
| Chromium | 10,06 | 0,10 | 12,73 | 0,32 | µg/l | 127% |
| Iron | 64,7 | 0,3 | 64,03 | 0,28 | µg/l | 99% |
| Copper | 8,47 | 0,19 | <10 | | µg/l | • |
| Manganese | 14,1 | 0,1 | 14,04 | 0,09 | µg/l | 100% |
| Nickel | 0,32 | 0,02 | 11,52 | 0,42 | µg/l | 3600% |
| Mercury | 1,24 | 0,02 | 2,15 | 0,07 | µg/l | 173% |
| Selenium | 1,80 | 0,01 | 1,65 | 0,06 | µg/l | 92% |
| Silver | 0,070 | 0,002 | <5 | | µg/l | • |
| Uranium | 2,72 | 0,02 | <100 | | µg/l | • |
| Zinc | 17,7 | 0,1 | 16,27 | 0,16 | µg/l | 92% |



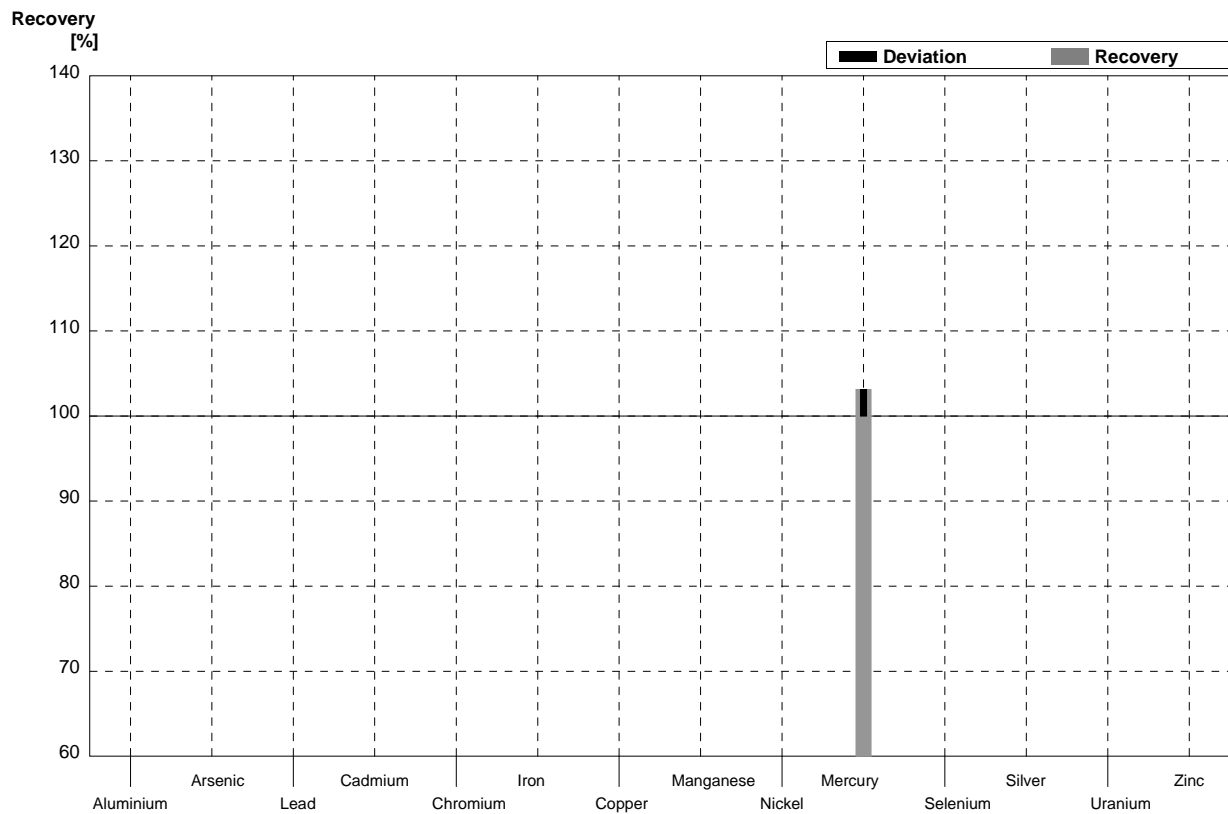
Sample M106A
Laboratory Z

| Parameter | Target value | $\pm U (k=2)$ | Result | \pm | Unit | Recovery |
|-----------|--------------|---------------|--------|-------|-----------------|----------|
| Aluminium | 47,9 | 0,3 | | | $\mu\text{g/l}$ | |
| Arsenic | 3,85 | 0,03 | | | $\mu\text{g/l}$ | |
| Lead | 10,07 | 0,10 | | | $\mu\text{g/l}$ | |
| Cadmium | 1,45 | 0,01 | | | $\mu\text{g/l}$ | |
| Chromium | 1,53 | 0,01 | | | $\mu\text{g/l}$ | |
| Iron | 32,1 | 0,2 | | | $\mu\text{g/l}$ | |
| Copper | 4,79 | 0,13 | | | $\mu\text{g/l}$ | |
| Manganese | 39,8 | 0,2 | | | $\mu\text{g/l}$ | |
| Nickel | 0,97 | 0,02 | | | $\mu\text{g/l}$ | |
| Mercury | 0,64 | 0,01 | 0,647 | 0,013 | $\mu\text{g/l}$ | 101% |
| Selenium | 0,60 | 0,01 | | | $\mu\text{g/l}$ | |
| Silver | 0,140 | 0,005 | | | $\mu\text{g/l}$ | |
| Uranium | 1,96 | 0,02 | | | $\mu\text{g/l}$ | |
| Zinc | 10,05 | 0,11 | | | $\mu\text{g/l}$ | |



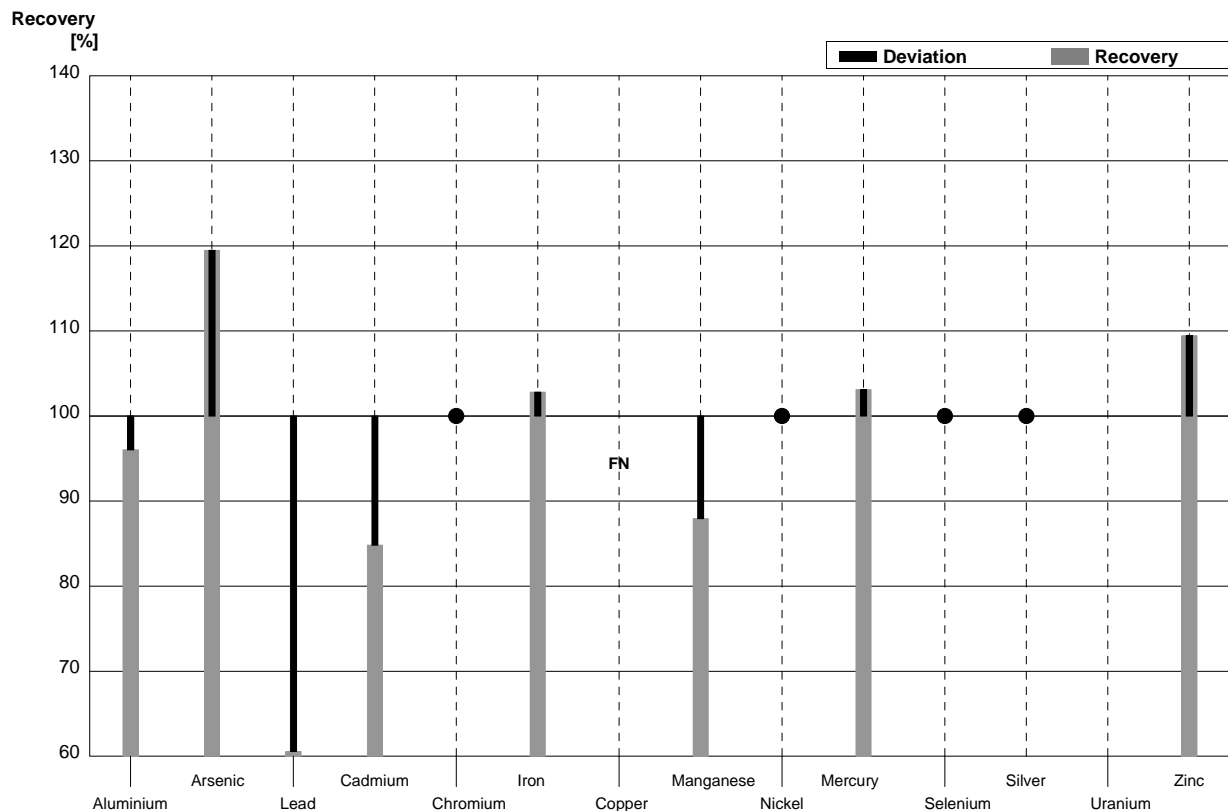
Sample M106B
Laboratory Z

| Parameter | Target value | ± U (k=2) | Result | ± | Unit | Recovery |
|-----------|--------------|-----------|--------|-------|------|----------|
| Aluminium | 17,6 | 0,1 | | | µg/l | |
| Arsenic | 1,25 | 0,01 | | | µg/l | |
| Lead | 2,69 | 0,02 | | | µg/l | |
| Cadmium | 0,56 | 0,01 | | | µg/l | |
| Chromium | 10,06 | 0,10 | | | µg/l | |
| Iron | 64,7 | 0,3 | | | µg/l | |
| Copper | 8,47 | 0,19 | | | µg/l | |
| Manganese | 14,1 | 0,1 | | | µg/l | |
| Nickel | 0,32 | 0,02 | | | µg/l | |
| Mercury | 1,24 | 0,02 | 1,279 | 0,014 | µg/l | 103% |
| Selenium | 1,80 | 0,01 | | | µg/l | |
| Silver | 0,070 | 0,002 | | | µg/l | |
| Uranium | 2,72 | 0,02 | | | µg/l | |
| Zinc | 17,7 | 0,1 | | | µg/l | |



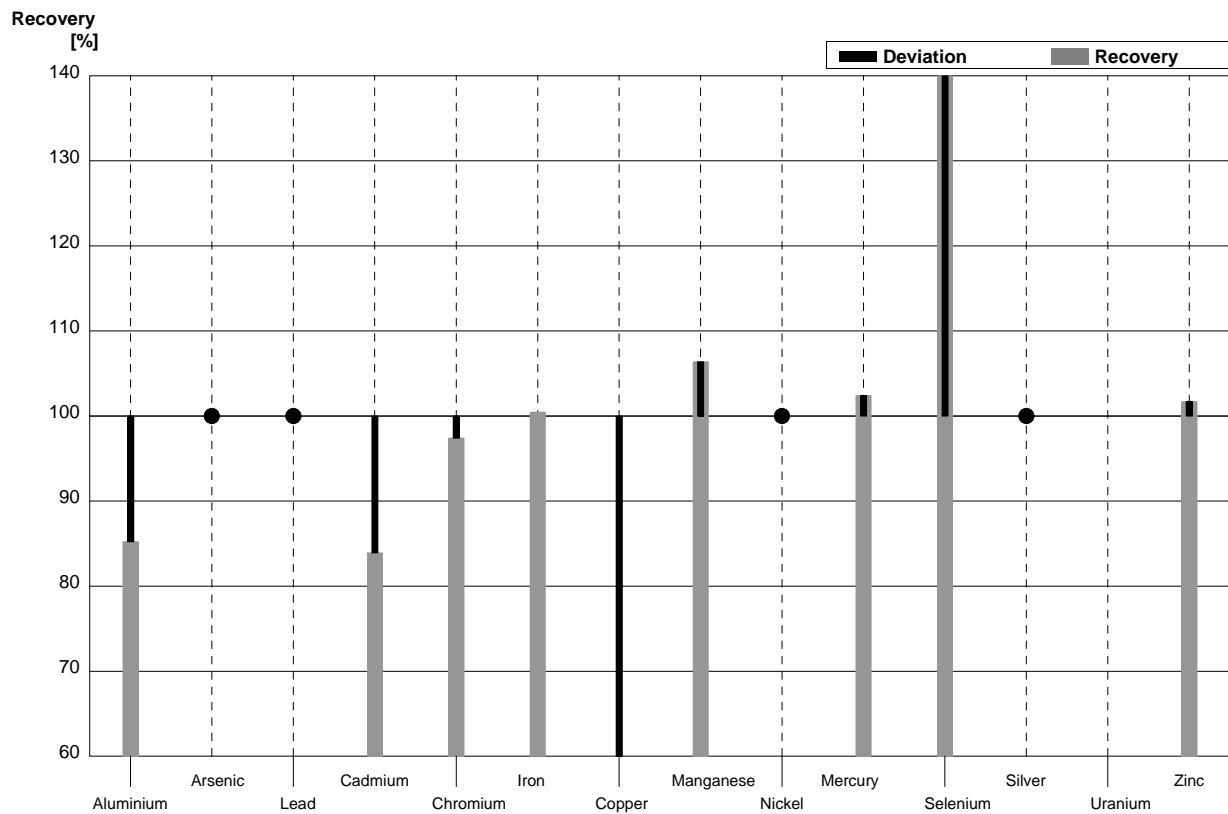
Sample M106A
Laboratory AA

| Parameter | Target value | ± U (k=2) | Result | ± | Unit | Recovery |
|-----------|--------------|-----------|--------|---|------|----------|
| Aluminium | 47,9 | 0,3 | 46 | | µg/l | 96% |
| Arsenic | 3,85 | 0,03 | 4,6 | | µg/l | 119% |
| Lead | 10,07 | 0,10 | 6,1 | | µg/l | 61% |
| Cadmium | 1,45 | 0,01 | 1,23 | | µg/l | 85% |
| Chromium | 1,53 | 0,01 | <3,0 | | µg/l | • |
| Iron | 32,1 | 0,2 | 33 | | µg/l | 103% |
| Copper | 4,79 | 0,13 | <3,0 | | µg/l | FN |
| Manganese | 39,8 | 0,2 | 35 | | µg/l | 88% |
| Nickel | 0,97 | 0,02 | <3,0 | | µg/l | • |
| Mercury | 0,64 | 0,01 | 0,66 | | µg/l | 103% |
| Selenium | 0,60 | 0,01 | <3,0 | | µg/l | • |
| Silver | 0,140 | 0,005 | <0,5 | | µg/l | • |
| Uranium | 1,96 | 0,02 | | | µg/l | |
| Zinc | 10,05 | 0,11 | 11 | | µg/l | 109% |



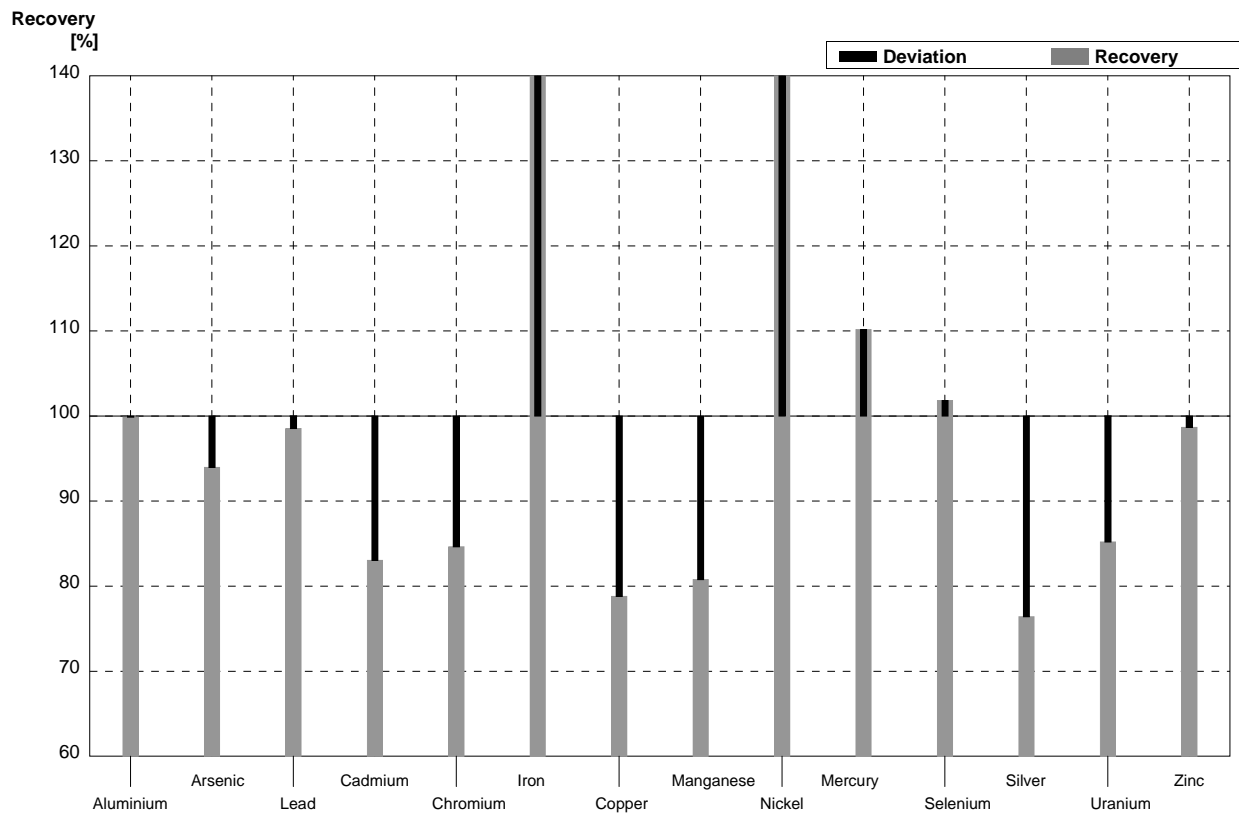
Sample M106B
Laboratory AA

| Parameter | Target value | ± U (k=2) | Result | ± | Unit | Recovery |
|-----------|--------------|-----------|--------|---|------|----------|
| Aluminium | 17,6 | 0,1 | 15 | | µg/l | 85% |
| Arsenic | 1,25 | 0,01 | <3,0 | | µg/l | • |
| Lead | 2,69 | 0,02 | <3,0 | | µg/l | • |
| Cadmium | 0,56 | 0,01 | 0,47 | | µg/l | 84% |
| Chromium | 10,06 | 0,10 | 9,8 | | µg/l | 97% |
| Iron | 64,7 | 0,3 | 65 | | µg/l | 100% |
| Copper | 8,47 | 0,19 | 3,0 | | µg/l | 35% |
| Manganese | 14,1 | 0,1 | 15 | | µg/l | 106% |
| Nickel | 0,32 | 0,02 | <3,0 | | µg/l | • |
| Mercury | 1,24 | 0,02 | 1,27 | | µg/l | 102% |
| Selenium | 1,80 | 0,01 | 3,1 | | µg/l | 172% |
| Silver | 0,070 | 0,002 | <0,5 | | µg/l | • |
| Uranium | 2,72 | 0,02 | | | µg/l | |
| Zinc | 17,7 | 0,1 | 18 | | µg/l | 102% |



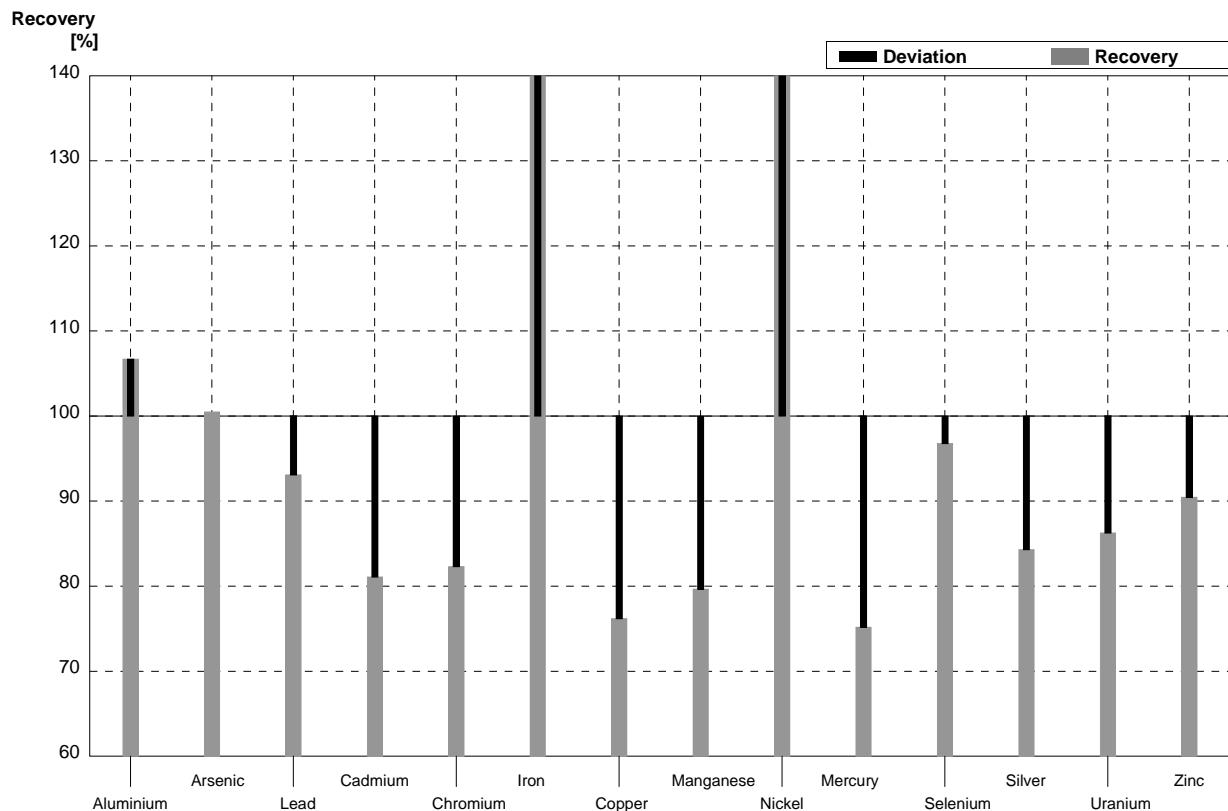
Sample M106A
Laboratory AB

| Parameter | Target value | $\pm U (k=2)$ | Result | \pm | Unit | Recovery |
|-----------|--------------|---------------|--------|-------|-----------------|----------|
| Aluminium | 47,9 | 0,3 | 47,84 | 2,047 | $\mu\text{g/l}$ | 100% |
| Arsenic | 3,85 | 0,03 | 3,618 | 0,146 | $\mu\text{g/l}$ | 94% |
| Lead | 10,07 | 0,10 | 9,923 | 0,414 | $\mu\text{g/l}$ | 99% |
| Cadmium | 1,45 | 0,01 | 1,204 | 0,046 | $\mu\text{g/l}$ | 83% |
| Chromium | 1,53 | 0,01 | 1,295 | 0,072 | $\mu\text{g/l}$ | 85% |
| Iron | 32,1 | 0,2 | 52,68 | 3,124 | $\mu\text{g/l}$ | 164% |
| Copper | 4,79 | 0,13 | 3,775 | 0,107 | $\mu\text{g/l}$ | 79% |
| Manganese | 39,8 | 0,2 | 32,15 | 1,106 | $\mu\text{g/l}$ | 81% |
| Nickel | 0,97 | 0,02 | 3,404 | 0,322 | $\mu\text{g/l}$ | 351% |
| Mercury | 0,64 | 0,01 | 0,705 | 0,048 | $\mu\text{g/l}$ | 110% |
| Selenium | 0,60 | 0,01 | 0,611 | 0,019 | $\mu\text{g/l}$ | 102% |
| Silver | 0,140 | 0,005 | 0,107 | 0,006 | $\mu\text{g/l}$ | 76% |
| Uranium | 1,96 | 0,02 | 1,670 | 0,083 | $\mu\text{g/l}$ | 85% |
| Zinc | 10,05 | 0,11 | 9,916 | 0,058 | $\mu\text{g/l}$ | 99% |



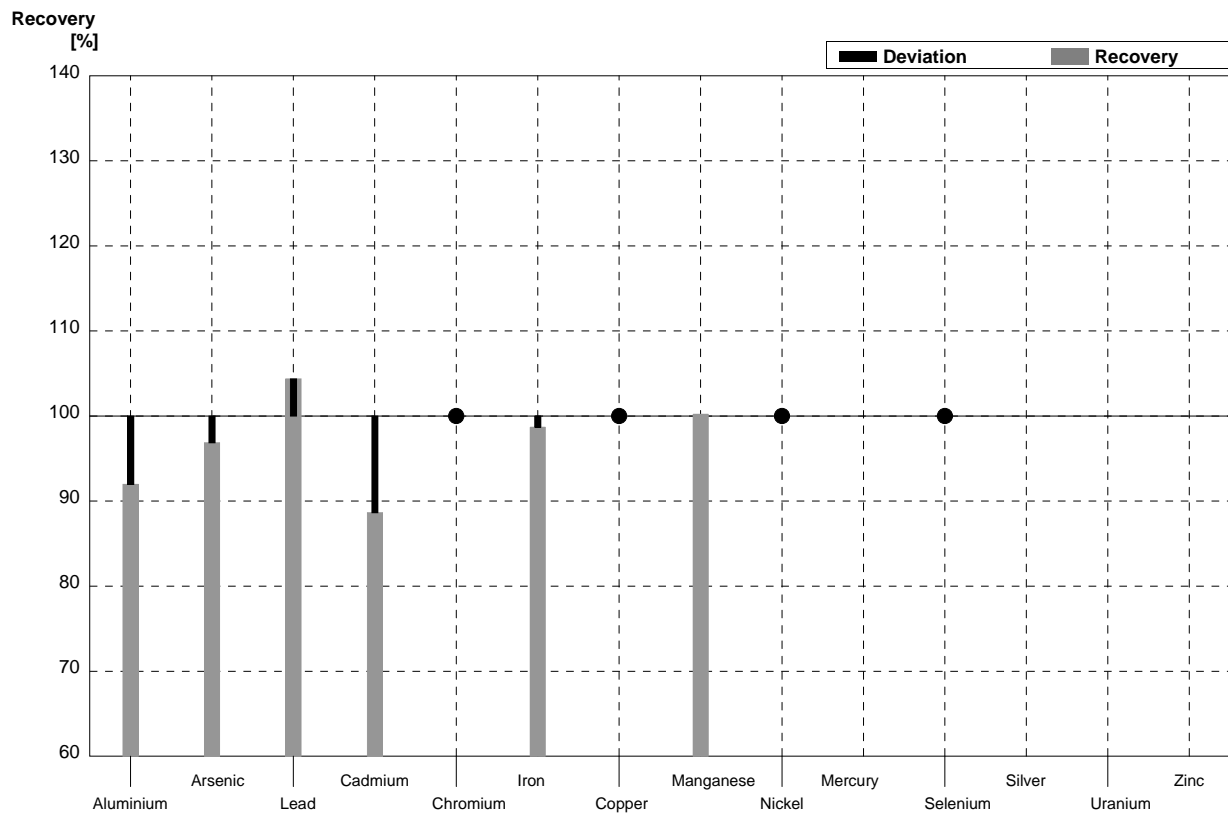
Sample M106B
Laboratory AB

| Parameter | Target value | $\pm U (k=2)$ | Result | \pm | Unit | Recovery |
|-----------|--------------|---------------|--------|-------|-----------------|----------|
| Aluminium | 17,6 | 0,1 | 18,78 | 0,804 | $\mu\text{g/l}$ | 107% |
| Arsenic | 1,25 | 0,01 | 1,256 | 0,051 | $\mu\text{g/l}$ | 100% |
| Lead | 2,69 | 0,02 | 2,504 | 0,104 | $\mu\text{g/l}$ | 93% |
| Cadmium | 0,56 | 0,01 | 0,454 | 0,017 | $\mu\text{g/l}$ | 81% |
| Chromium | 10,06 | 0,10 | 8,279 | 0,459 | $\mu\text{g/l}$ | 82% |
| Iron | 64,7 | 0,3 | 91,53 | 5,428 | $\mu\text{g/l}$ | 141% |
| Copper | 8,47 | 0,19 | 6,453 | 0,183 | $\mu\text{g/l}$ | 76% |
| Manganese | 14,1 | 0,1 | 11,23 | 0,386 | $\mu\text{g/l}$ | 80% |
| Nickel | 0,32 | 0,02 | 2,787 | 0,203 | $\mu\text{g/l}$ | 871% |
| Mercury | 1,24 | 0,02 | 0,932 | 0,063 | $\mu\text{g/l}$ | 75% |
| Selenium | 1,80 | 0,01 | 1,742 | 0,055 | $\mu\text{g/l}$ | 97% |
| Silver | 0,070 | 0,002 | 0,059 | 0,003 | $\mu\text{g/l}$ | 84% |
| Uranium | 2,72 | 0,02 | 2,346 | 0,117 | $\mu\text{g/l}$ | 86% |
| Zinc | 17,7 | 0,1 | 16,01 | 0,937 | $\mu\text{g/l}$ | 90% |



Sample M106A
Laboratory AC

| Parameter | Target value | $\pm U (k=2)$ | Result | \pm | Unit | Recovery |
|-----------|--------------|---------------|---------|---------|-----------------|----------|
| Aluminium | 47,9 | 0,3 | 44,055 | 4,4055 | $\mu\text{g/l}$ | 92% |
| Arsenic | 3,85 | 0,03 | 3,7295 | 0,3729 | $\mu\text{g/l}$ | 97% |
| Lead | 10,07 | 0,10 | 10,51 | 1,051 | $\mu\text{g/l}$ | 104% |
| Cadmium | 1,45 | 0,01 | 1,2855 | 0,12855 | $\mu\text{g/l}$ | 89% |
| Chromium | 1,53 | 0,01 | <3,0 | | $\mu\text{g/l}$ | • |
| Iron | 32,1 | 0,2 | 31,6833 | 3,1683 | $\mu\text{g/l}$ | 99% |
| Copper | 4,79 | 0,13 | <10,0 | | $\mu\text{g/l}$ | • |
| Manganese | 39,8 | 0,2 | 39,89 | 3,989 | $\mu\text{g/l}$ | 100% |
| Nickel | 0,97 | 0,02 | <4,0 | | $\mu\text{g/l}$ | • |
| Mercury | 0,64 | 0,01 | | | $\mu\text{g/l}$ | |
| Selenium | 0,60 | 0,01 | <2,0 | | $\mu\text{g/l}$ | • |
| Silver | 0,140 | 0,005 | | | $\mu\text{g/l}$ | |
| Uranium | 1,96 | 0,02 | | | $\mu\text{g/l}$ | |
| Zinc | 10,05 | 0,11 | | | $\mu\text{g/l}$ | |



Sample M106B
Laboratory AC

| Parameter | Target value | ± U (k=2) | Result | ± | Unit | Recovery |
|-----------|--------------|-----------|--------|---------|------|----------|
| Aluminium | 17,6 | 0,1 | <50,0 | | µg/l | • |
| Arsenic | 1,25 | 0,01 | <2,0 | | µg/l | • |
| Lead | 2,69 | 0,02 | <4,0 | | µg/l | • |
| Cadmium | 0,56 | 0,01 | 0,4958 | 0,04958 | µg/l | 89% |
| Chromium | 10,06 | 0,10 | 10,695 | 1,0695 | µg/l | 106% |
| Iron | 64,7 | 0,3 | 65,955 | 6,5955 | µg/l | 102% |
| Copper | 8,47 | 0,19 | <10,0 | | µg/l | • |
| Manganese | 14,1 | 0,1 | 14,26 | 1,426 | µg/l | 101% |
| Nickel | 0,32 | 0,02 | <4,0 | | µg/l | • |
| Mercury | 1,24 | 0,02 | | | µg/l | |
| Selenium | 1,80 | 0,01 | <2,0 | | µg/l | • |
| Silver | 0,070 | 0,002 | | | µg/l | |
| Uranium | 2,72 | 0,02 | | | µg/l | |
| Zinc | 17,7 | 0,1 | | | µg/l | |

