

**Proficiency Testing Scheme für die  
Wasseranalytik - Realproben  
AZ8 Arzneimittel, Industriechemikalien und  
Zuckerersatzstoffe**

**Proficiency Testing Scheme for Water  
Analysis - natural water samples  
AZ8 Pharmaceuticals, industrial chemicals and  
artificial sweeteners**

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## **D1. Beschreibung des Ringversuchs**

### **D1.1. Ausgestaltung und Durchführung**

- Anzahl der Anmeldungen: 21
- Anzahl der übermittelten Datensätze: 20
- Probenversand: 16.03.2021
- Einsendeschluss der Daten: 20.04.2021

Die Ergebnisabgabe erfolgte auf elektronischem Weg mittels passwortgeschützter Online-Dateneingabe. Beim Abschluss der Dateneingabe bestätigte der Teilnehmer die vollständige und korrekte Eingabe aller Daten und die Freigabe der Ergebnisse zur Auswertung.

Zur Anonymisierung der Ergebnisse wurde jedem Labor willkürlich ein Laborcode zugeteilt.

### **D1.2. Beschreibung der Prüfgegenstände**

Die Probenahme von Oberflächenwasser erfolgte am 11.03.2021 und die Probenahme von gereinigtem Abwasser erfolgte am 11.03.2021. Das Probenmaterial umfasste:

- 1 Probe Oberflächenwasser (AZ8 A)
- 1 Probe gereinigtes Abwasser (AZ8 B)

Alle Proben wurden anschließend bis zur weiteren Verarbeitung gekühlt gelagert (4 +/- 3°C). Die o.a. Proben wurden bei 40 µm filtriert und im Rührkessel zusätzlich mit einzelnen Substanzen dotiert.

Das Abfüllen der Proben erfolgte unter ständigem Rühren (Rührkessel). Die Stabilisierung erfolgte durch Kühlung bzw. durch Zusatz von Natriumazid.

Die homogenen Prüfgegenstände wurden am 16.03.2021 verschickt.

Jedes Teilnehmerlabor erhielt:

- 2 Proben zu je 2000 ml, abgefüllt in jeweils 2 x 1000 ml Alu-Flaschen

### **D1.3. Anweisungen für die Teilnehmer**

Aus Stabilitätsgründen wurde empfohlen bis spätestens 24.03.2021 mit den Analysen zu beginnen.

Den Teilnehmern stand die Wahl der Analysenmethode bzw. der verwendeten Norm frei, welche mit ihrem Routineverfahren übereinstimmen sollte. Eine Übersicht der angewendeten Methoden findet sich unter E9.

### **D1.4. Kontrollanalytik zur Bewertung der Homogenität**

Im Zuge der Abfüllung wurden zu willkürlichen Zeitpunkten mehrere Aliquote pro Probe zur Kontrollanalytik entnommen.

Es wurden für die A- bzw. B-Probe jeweils n=5 Kontrollproben sowie n=1 undotierte Realprobe dem Labor zur Analyse übergeben.

Alle Parameter wurden in der Prüfstelle am Umweltbundesamt (Prüfstelle für Umwelt-, GVO- & Treibstoffanalytik) zeitnah zum Probenversand analysiert.

Im Zuge der Auswertung wurde die relative Standardabweichung zwischen den Kontrollprobenabfüllungen bewertet und mit der Vergleichsstandardabweichung beim aktuellen Ringversuch verglichen.

Die Ergebnisse der Kontrollanalytik sind in der parameterorientierten Auswertung (E.7.) in Form von Mittelwerten  $\pm$  Messunsicherheit als Kontrollwert (control test value)  $\pm$  U gelistet (jeweils angegeben als erweiterte Messunsicherheit, k=2).

### **D1.5. Trendtest zur Bewertung der Stabilität**

Die Bewertung der Stabilität der Prüfgegenstände (Realproben) erfolgte auf Basis der Datenstatistik aus den vergangenen Runden für Realproben im Zeitraum 2013 bis 2019.

Um die ausreichende Stabilität der Prüfgegenstände der aktuellen Eignungsprüfungsrunde bis zum Abgabetermin zu überprüfen, wurde die Darstellung der Teilnehmerergebnisse nach Analysendatum ausgewertet und auf systematische Trends geprüft (unauffällig). Durch Darstellung der Teilnehmerergebnisse nach Abfüllreihenfolge wurde auf das Vorliegen möglicher systematischer Trends der Ergebnisse geprüft (unauffällig).

Aufgrund der bisherigen Erfahrungen und aufgrund der Bewertungsgrundlagen der aktuellen Eignungsprüfungsrunde gilt die Stabilität der Prüfgegenstände im empfohlenen Zeitraum für die Analyse bis zum Abgabeschluss als gewährleistet.

## **D1.6. Ermittlung des zugewiesenen Wertes**

Die Ergebnisse der Analysen mussten spätestens bis zum 20.04.2021 beim Veranstalter vorliegen. Später eingehende Werte wurden nicht berücksichtigt.

Im Zuge der Plausibilitätsprüfung der Daten (z.B. Check korrekte Einheiten, Messunsicherheitsangabe, ...) wurden die Teilnehmer mit auffälligen Ergebnissen zum erneuten Datencheck der Eingabe und um Rückmeldung binnen 24 h aufgefordert.

Nach Abschluss der Plausibilitätsprüfung, wurde der Ausreißertest nach Hampel durchgeführt und die Ausreißer ermittelt. Die von diesem Test auffällig eingestuft Werte wurden in der Auswertung gekennzeichnet („H“). In begründeten Fällen, z.B. wenn der Ausreißertest nach Hampel nicht anwendbar ist (z.B. Ergebnisse liegen sehr eng beieinander oder überwiegend selber Zahlenwert bzw. bei wenig abgegebenen Daten mit sehr hoher Streuung), kann eine Ausreißereliminierung nach weiteren Kriterien erfolgen (z.B. Dean- und Dixon Test bzw. manuelle Ausreißerdefinition aufgrund Expertenbefund). Diese Vorgangsweise wird nach Anwendung unter Punkt D4 des Berichts dokumentiert.

Die weitere Auswertung erfolgte gemäß ISO 5725-2. Eine statistische Auswertung der Ringversuchsdaten erfolgte erst ab zumindest 6 gültigen, numerischen Ergebnissen pro Parameter. Ergebnisse kleiner Bestimmungs- oder Nachweisgrenze wurden bei den Berechnungen nicht berücksichtigt.

Der zugewiesene Wert wird im Normalfall jeweils als der ausreißerbereinigte Mittelwert über alle übermittelten Ergebnisse gebildet.

Bei sehr hohen Streuungen der Teilnehmerergebnisse von über 50 % oder bei mangelhafter Rückführbarkeit der statistischen Kenndaten aus den ausreißerbereinigten Ergebnissen der Teilnehmer auf den Mittelwert des Kontrolllabores bzw. einer zu geringen Anzahl an ausreißerbereinigten Ergebnissen über die Gruppe der akkreditierten Labore, kann die Situation auftreten, dass kein zugewiesener Wert für den aktuellen Ringversuch festgelegt werden kann und daher keine Bewertung der Teilnehmerergebnisse für diesen Parameter möglich ist. Ein entsprechender Hinweis wird im Bericht unter E7 bei der informativen Auswertung angebracht. Im Rahmen der internen Qualitätssicherung der Teilnehmer kann ein Vergleich mit den Ergebnissen des Kontrolllabors durchgeführt werden. Diese Vorgehensweise wird bei Anwendung jeweils parameter- und probenbezogen unter Punkt D4 des Berichts dokumentiert.

## D2. Kriterien der Leistungsbewertung

### D2.1. Leistungskriterium z-Score

Als Basis zur Berechnung der Wiederfindungsraten sowie der z-Scores wurde der ausreißerbereinigte Mittelwert über alle übermittelten Ergebnisse herangezogen.

Die Ermittlung der z-Scores erfolgte gemäß nachfolgender Formel:

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

Dabei ist:

$x_i$	Messergebnis des teilnehmenden Labors
$\bar{X}$	zugewiesener Wert Sollwert für die Leistungsbewertung der Teilnehmer (angegeben auf 3 signifikante Stellen); im Regelfall: ausreißerbereinigter Mittelwert der Teilnehmerergebnisse. Eine davon abweichende Vorgehensweise wird unter Punkt D4 des Berichts beschrieben.
<i>Kriterium</i>	Vergleichsstandardabweichung berechnet aus den Statistiken für reale Wasserproben der vorangegangenen Runden im Zeitraum 2013 bis 2019 (RSDpooled) bzw. aus den ausreißerbereinigten Teilnehmerergebnissen (sR) des aktuellen Ringversuchs (falls noch weniger als 6 vorangegangene Runden für A und B-Proben vorlagen). In begründeten Fällen (z.B. Ergebnisse Realproben nahe an Mindestbestimmungsgrenze oder regulatorischer Vorgaben) erfolgt die Festlegung nach Expertenbefund und die Vorgangsweise wird unter Punkt D4 des Berichts beschrieben.

### D2.2. Leistungskriterium E<sub>n</sub>-Score

Für die realen Wasserproben erfolgen seit 2019 zusätzliche Bewertungen unter Einbeziehung der erweiterten Messunsicherheiten der Teilnehmer und der erweiterten Messunsicherheit des zugewiesenen Wertes, gemäß E<sub>n</sub>-Score. Diese Auswertungen werden für die Teilnehmer im Bericht unter Punkt E8, jeweils im Anschluss an die z-Score Auswertung dargestellt.

Die Ermittlung der E<sub>n</sub>-Scores erfolgte gemäß nachfolgender Formel:

$$E_n - score = \frac{x_i - \bar{X}}{\sqrt{U(x_i)^2 + U(\bar{X})^2}}$$



Dabei ist:

$x_i$	Messergebnis des teilnehmenden Labors
$\bar{X}$	zugewiesener Wert Sollwert für die Leistungsbewertung der Teilnehmer (angegeben auf 3 signifikante Stellen); im Regelfall: ausreißerbereinigter Mittelwert der Teilnehmerergebnisse. Eine davon abweichende Vorgehensweise wird unter Punkt D4 des Berichts beschrieben.
$U(x_i)$	erweiterte Messunsicherheit des Messergebnisses (Teilnehmerergebnis), $k=2$
$U(\bar{X})$	erweiterte Messunsicherheit des zugewiesenen Wertes, $k=2$

### D2.3. Leistungsbewertung z-Score und $E_n$ -Score

#### Interpretation der z-Scores:

- $|z\text{-Score}| \leq 2.0$  Ergebnis gut
- $2.0 < |z\text{-Score}| < 3.0$  Ergebnis fragwürdig
- $|z\text{-Score}| \geq 3.0$  Ergebnis nicht zufriedenstellend

Hinweis: Bei der Bewertung mittels z-Score wird die Messunsicherheit der Teilnehmer nicht mitberücksichtigt. Der Vergleich der Abweichung zum zugewiesenen Wert erfolgt über das Kriterium.

#### Interpretation der $E_n$ -Scores:

- $|E_n\text{-Score}| \leq 1.0$  zufriedenstellende Leistung
- $|E_n\text{-Score}| > 1.0$  nicht zufriedenstellende Leistung

Hinweis: Bei der Bewertung mittels  $E_n$ -Score erfolgt die Berücksichtigung der erweiterten Messunsicherheiten der Teilnehmer und des zugewiesenen Wertes.  $|E_n\text{-Score}| > 1.0$  können darauf hinweisen, dass die Unsicherheitsschätzungen überprüft oder ein Messproblem korrigiert werden muss.

## D3. Darstellung und Interpretation der Messergebnisse

In der parameterorientierten Auswertung ist eine tabellarische Übersicht mit den Messergebnissen inklusive der Unsicherheit ( $\pm U$ ), der Wiederfindung zum zugewiesenen Wert und dem berechneten z-Score dargestellt. Weiterhin werden unter Anmerkungen die Ausreißer gekennzeichnet. Die in der Tabelle angeführten Ergebnisse werden auch grafisch dargestellt.

In der labororientierten Auswertung werden pro Labor in anonymisierter Form die Ergebnisse der einzelnen Labore als Messergebnis  $\pm U$  sowie die Wiederfindungen

und die ermittelten z-Scores bezugnehmend auf das Kriterium dargestellt. Weiters werden die  $E_n$ -Scores unter Berücksichtigung der erweiterten Unsicherheiten in unabhängigen Tabellen ausgegeben. Die labororientierten Auswertungen enthalten jeweils die Bewertungsgrundlagen wie zugewiesener Wert samt erweiterter Messunsicherheit sowie das Kriterium.

Eine Erläuterung zu den Tabellen und Grafiken kann Punkt D.5. entnommen werden.

#### **D4. Anmerkungen zur Auswertung**

Wie unter Punkt D2 ersichtlich, können die z-Scores auch unter Einbeziehung der Vergleichsstandardabweichung der ausreißerbereinigten Teilnehmerergebnisse des aktuellen Ringversuchs berechnet werden. Das kann zur Folge haben, dass es bei Parametern mit hoher Ergebnisstreuung dazu kommen kann, dass der Bereich z-Score - 2 bis z-Score + 2 einen ungewöhnlich hohen Wiederfindungsbereich abdeckt. Umgekehrt führt eine sehr geringe Streuung der Teilnehmerergebnisse dazu, dass z-Score - 2 bis z-Score + 2 einen ungewöhnlich kleinen Wiederfindungsbereich abdeckt.

Die Wiederfindungsrate wird unabhängig von der Streuung der Ergebnisse, als prozentuelle Abweichung vom zugewiesenen Wert berechnet und sollte bei der Bewertung von Ergebnissen im Rahmen des internen Qualitätsmanagementsystems der teilnehmenden Labore berücksichtigt werden.

Als Ergebnis einer Langzeitauswertung über aktuell 7 Eignungsprüfungsrunden (2013 - 2019) in Realproben wurden Kriterien (RSDpool) zur Ergebnisbewertung berechnet. Diese wurden im Zuge der Auswertung den relativen Vergleichsstandardabweichungen (vR) des aktuellen Ringversuchs gegenübergestellt.

Parameter Benzotriazol, Iopamidol und Saccharin bei Probe AZ8 A: Die auf Basis der Teilnehmerergebnisse berechneten Sollwerte lagen außerhalb der Messunsicherheit des Kontrollwertes und es ist über das Kontrolllabor keine Rückführbarkeit möglich. Der zugewiesene Wert wurde daher über die ausreißerbereinigten Mittelwerte aus der Gruppe der akkreditierten Teilnehmer berechnet.

Parameter Iopamidol bei Probe AZ8 A:

Für diesen Parameter wurde die aufgerundete relative Vergleichsstandardabweichung (vR) von 5 % für die Bewertung gewählt.

Parameter 4-Acetylaminoantipyrin, 4-Formylaminoantipyrin, Amidotrizoesäure, Atenolol, Bisoprolol, 10,11-Dihydro-10,11-Dihydroxycarbamazepin, Cyclamat, Diazepam, Diclofenac und Ibuprofen bei Probe AZ8 A und Parameter 4-Acetylaminoantipyrin, Amidotrizoesäure, Atenolol, Bisoprolol, 10,11-Dihydro-10,11-

Dihydroxycarbamazepin, Cyclamat, Diazepam, Ibuprofen und Iopamidol bei Probe AZ8 B:

Für diese Parameter wurden die relativen Vergleichsstandardabweichungen (vR) der aktuellen Runde, gerundet auf 2 signifikante Stellen, für die Bewertung gewählt. Für Diclofenac AZ8 A wurde das Kriterium aufgrund der Messergebnisse des Kontrolllabores angepasst und die aktuelle Vergleichsstandardabweichung von 26 % für die Bewertung herangezogen (statt RSD pooled 14 %).

Parameter 4-Formylaminoantipyrin bei Probe AZ8 B:

Aufgrund einer geringen Anzahl an gültigen Teilnehmerergebnissen nach Ausreißereliminierung (n<6) konnte kein Sollwert berechnet werden. Für diesen Parameter empfehlen wir einen Vergleich mit den Ergebnissen des Kontrolllabors.

## D5. Erläuterung zu Tabellen und Grafiken

### D5.1. Angaben und Abkürzungen in Tabellen

Parameter	Allgemeine Bezeichnung des Analysenparameters
Probe	Bezeichnung der übermittelten Probe
Einheit	Vorgegebene Einheit für Messwert und Ergebnisunsicherheit (z.B. µg/l)
Zugewiesener Wert	Sollwert für die Leistungsbewertung der Teilnehmer (angegeben auf 3 signifikante Stellen)
U (k=2)	erweiterte Unsicherheit (k=2) des zugewiesenen Wertes, (angegeben auf 3 signifikante Stellen)
Kriterium	Vorgabewert zur Ermittlung des z-Scores in der angegebenen Einheit (angegeben auf 3 signifikante Stellen)
Kriterium [%]	Vorgabewert zur Ermittlung des z-Scores in % des zugewiesenen Wertes (angegeben auf 2 signifikante Stellen)
Mittelwert	Ausreißerbereinigter Mittelwert über die Teilnehmerergebnisse (angegeben auf 3 signifikante Stellen)
VB (99%)	99% Vertrauensbereich (angegeben auf 3 signifikante Stellen)
Minimum	Minimales abgegebenes Messergebnis, ausreißerbereinigt (angegeben auf 3 signifikante Stellen)
Maximum	Maximales abgegebenes Messergebnis, ausreißerbereinigt (angegeben auf 3 signifikante Stellen)
sR	Vergleichsstandardabweichung, berechnet aus den ausreißerbereinigten Teilnehmerergebnissen des aktuellen Ringversuchs (angegeben auf 3 signifikante Stellen)

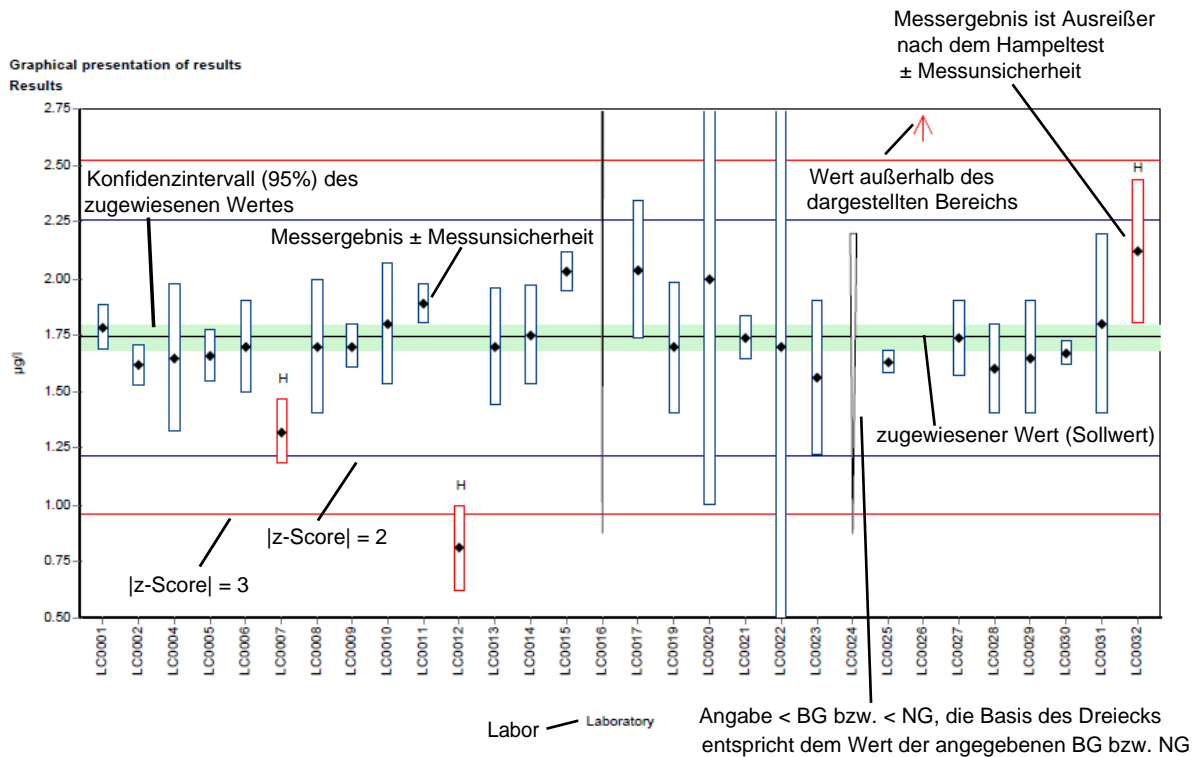
vR	relative Vergleichsstandardabweichung in %, berechnet aus den ausreißerbereinigten Teilnehmerergebnissen des aktuellen Ringversuchs bezogen auf den Mittelwert (angegeben auf 2 signifikante Stellen)
Kontrollwert $\pm$ U (k=2)	Mittelwert der Kontrollmessungen des Veranstalters $\pm$ erweiterte Ergebnisunsicherheit des Kontrollwertes (jeweils angegeben auf 3 signifikante Stellen)
Laborcode	anonymisierte, eindeutige Teilnehmerkennung im jeweiligen Ringversuch
Messwert	einzelne(r) Messwert(e) lt. Teilnehmerangabe (maximal 5 Nachkommastellen dargestellt)
Messergebnis	Für die Bewertung herangezogenes Ergebnis lt. Teilnehmerangabe (maximal 5 Nachkommastellen dargestellt). Bei Eignungsprüfungsrunden mit Vorgabe von unabhängigen Mehrfachbestimmungen, entspricht dies dem berechneten Mittelwert aus den einzelnen Messwerten der Teilnehmer.
$\pm$ U	kombinierte Messunsicherheit ohne Erweiterungsfaktor (k=1) lt. Teilnehmerangabe (maximal 5 Nachkommastellen dargestellt)
BG	Bestimmungsgrenze
NG	Nachweisgrenze
WF	Wiederfindungsrate in %, bezogen auf den zugewiesenen Wert (angegeben auf 3 signifikante Stellen, dargestellt maximal 1 Nachkommastelle)
MW	Mittelwert
z-Score	Abweichung des Messergebnisses zum zugewiesenen Wert, ausgedrückt als Vielfaches des Kriteriums (angegeben auf 3 signifikante Stellen, dargestellt maximal 2 Nachkommastellen)
E <sub>n</sub> -Score	Abweichung des Messergebnisses zum zugewiesenen Wert, ausgedrückt als Vielfaches der kombinierten Messunsicherheiten, bestehend aus erweiterter Unsicherheit des zugewiesenen Wertes und der erweiterten Unsicherheit der Messergebnisse der Teilnehmer (angegeben auf 3 signifikante Stellen, dargestellt maximal 2 Nachkommastellen). Beim E <sub>n</sub> -Score erfolgt die Berücksichtigung der Messunsicherheit der Teilnehmer.
-	Keine Daten übermittelt bzw. keine Berechnung möglich
Anmerkungen	Anmerkungen zum jeweiligen Messergebnis (z.B. H, FN, FP)

H	Ausreißer nach dem Hampel-Test
FN	Falsch negativ – Messergebnis kleiner Bestimmungs- bzw. Nachweisgrenze dessen Betrag die Bedingungen eines Ausreißers nach dem Hampeltest erfüllt.
FP	Falsch positiv – Falls aufgrund des geringen Analytgehalts kein zugewiesener Wert ermittelt werden kann ( $n < 6$ ), wird der Median der Beträge der übermittelten Nachweis- bzw. Bestimmungsgrenzen ermittelt. Als falsch positiv wird ein Messergebnis bewertet, welches diesen Median um mehr als 100 % übersteigt.
Standardabweichung	Vergleichsstandardabweichung berechnet aus den Teilnehmerergebnissen des aktuellen Ringversuchs (angegeben auf 3 signifikante Stellen)
rel. Standardabweichung	relative Vergleichsstandardabweichung in %, berechnet aus den Teilnehmerergebnissen des aktuellen Ringversuchs bezogen auf den Mittelwert (angegeben auf 3 signifikante Stellen)
n	Anzahl der Messergebnisse

## D5.2. Graphische Darstellung der Ergebnisse

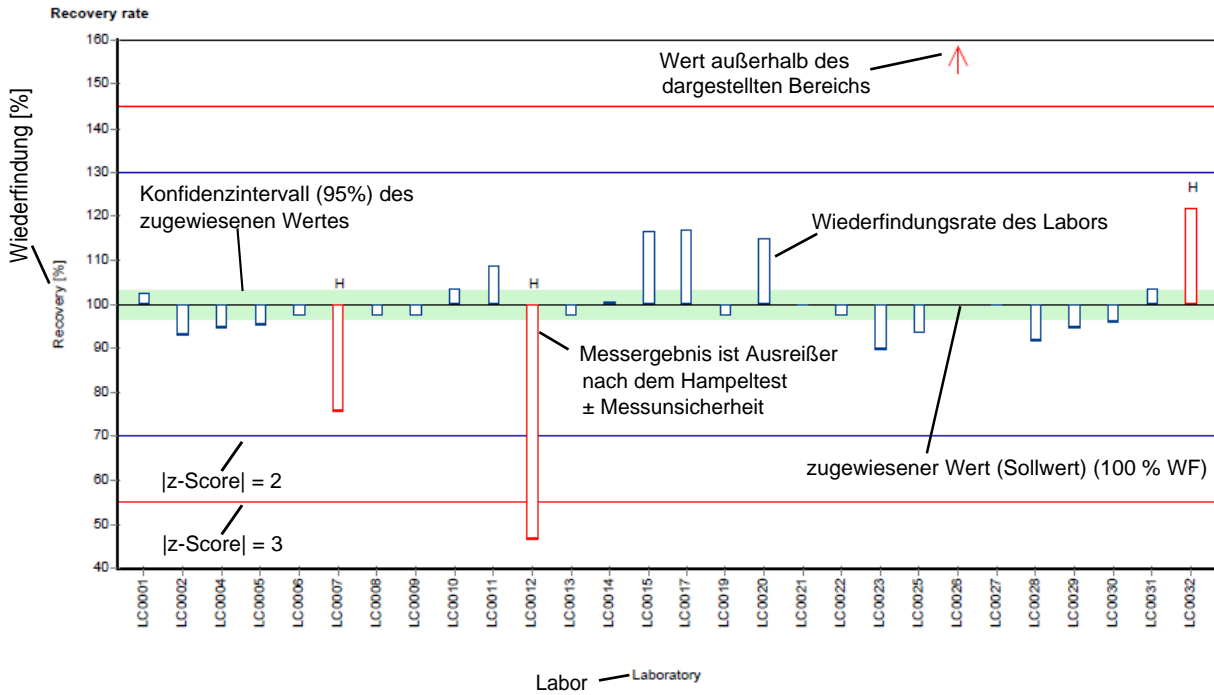
Nachfolgend wird die graphische Darstellung anhand von kommentierten Beispieldiagrammen erläutert.

### Beispieldiagramm: Messwerte



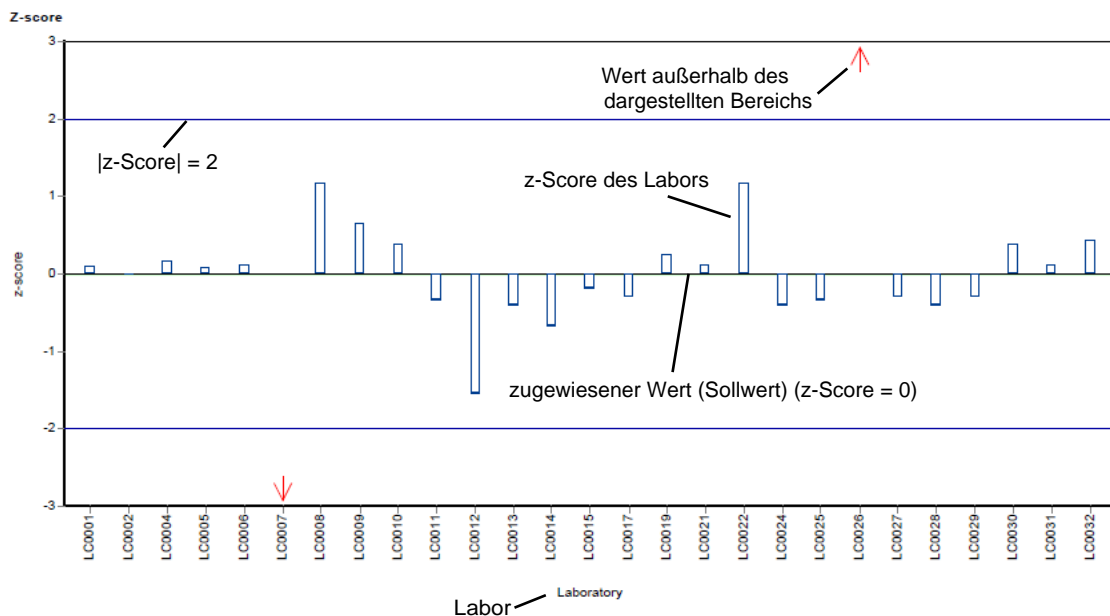
Unterschiedliche Analysenmethoden werden mit unterschiedlichen Farben kenntlich gemacht.

### Beispieldiagramm: Wiederfindung zum zugewiesenen Wert



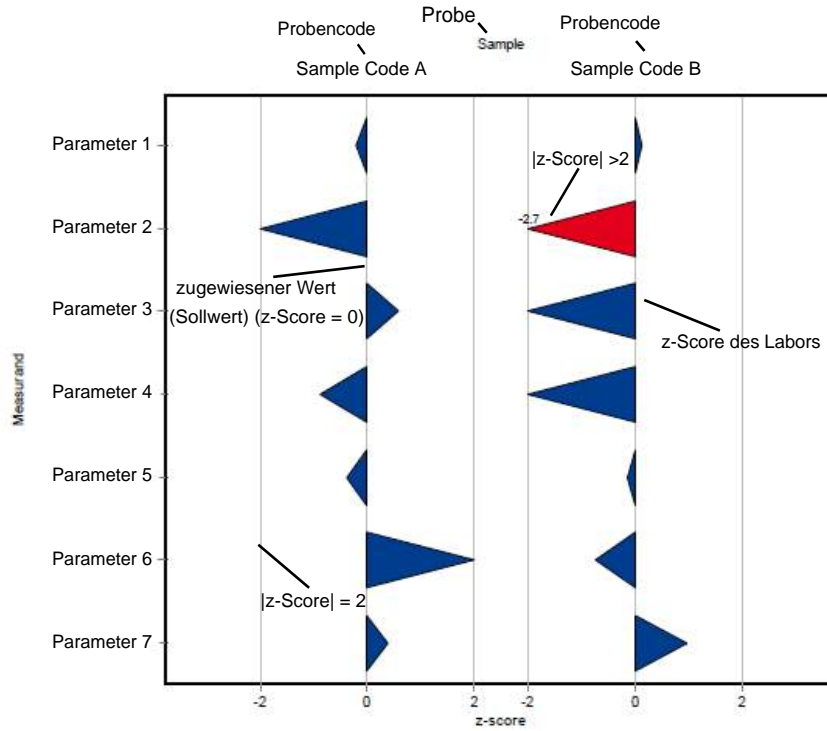
Unterschiedliche Analysenmethoden werden mit unterschiedlichen Farben kenntlich gemacht.

### Beispieldiagramm: z-Score

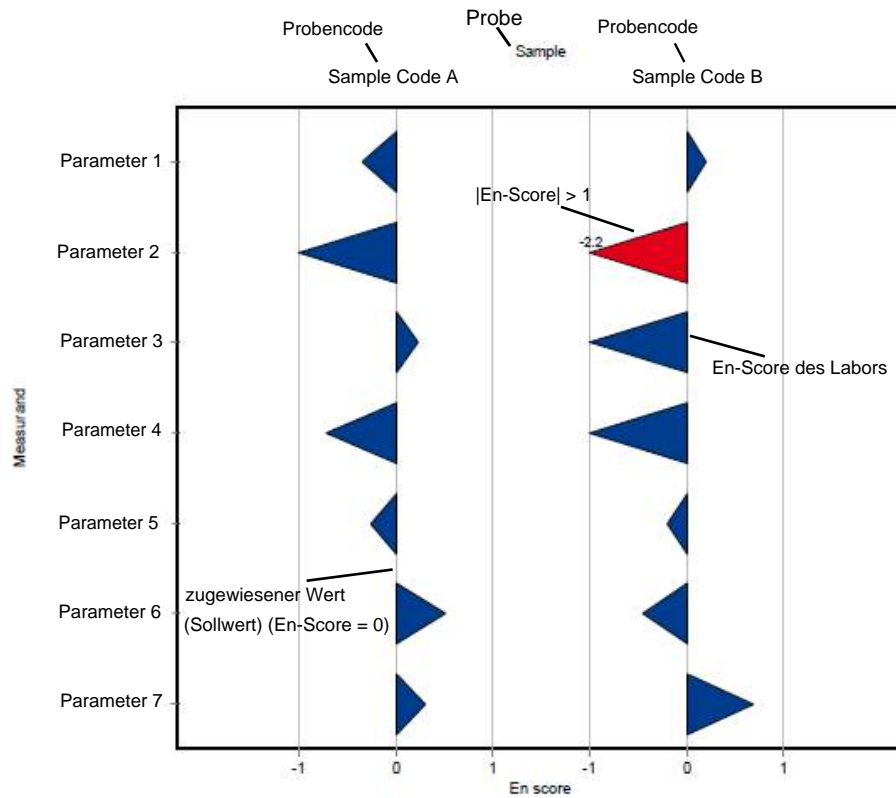


Unterschiedliche Analysenmethoden werden mit unterschiedlichen Farben kenntlich gemacht.

**Beispieldiagramm: z-Score (labororientierte Auswertung)**



**Beispieldiagramm: En-Score (labororientierte Auswertung)**





## D6. Zusammenfassung

### D6.1. Tabelle der zugewiesenen Werte

Parameter	Probe	Einheit	zugewiesener Wert	±	U (k=2)	Kriterium	Kriterium [%]
4-Acetylaminoantipyrin	AZ8 A	µg/l	0.303	±	0.0204	0.0251	8.3
	AZ8 B	µg/l	8.27	±	0.818	0.992	12
4-Formylaminoantipyrin	AZ8 A	µg/l	0.459	±	0.035	0.0431	9.4
	AZ8 B	µg/l	-	±	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepin	AZ8 A	µg/l	0.276	±	0.025	0.0332	12
	AZ8 B	µg/l	1.24	±	0.0727	0.0891	7.2
Acesulfam	AZ8 A	µg/l	1.12	±	0.0581	0.19	17
	AZ8 B	µg/l	18.8	±	1.44	3.2	17
Amidotrizoesäure	AZ8 A	µg/l	0.626	±	0.0895	0.157	25
	AZ8 B	µg/l	2.07	±	0.268	0.414	20
Atenolol	AZ8 A	µg/l	0.457	±	0.0445	0.0868	19
	AZ8 B	µg/l	1.17	±	0.128	0.246	21
Benzotriazol	AZ8 A	µg/l	0.695	±	0.0439	0.0833	12
	AZ8 B	µg/l	10.6	±	0.312	1.27	12
Bisoprolol	AZ8 A	µg/l	0.0879	±	0.00933	0.0132	15
	AZ8 B	µg/l	0.803	±	0.059	0.0779	9.7
Carbamazepin	AZ8 A	µg/l	0.761	±	0.0485	0.099	13
	AZ8 B	µg/l	1.22	±	0.0887	0.158	13
Cyclamat	AZ8 A	µg/l	0.912	±	0.0795	0.137	15
	AZ8 B	µg/l	0.622	±	0.138	0.168	27
Diazepam	AZ8 A	µg/l	0.595	±	0.0559	0.0833	14
	AZ8 B	µg/l	0.572	±	0.0588	0.0858	15
Diclofenac	AZ8 A	µg/l	0.191	±	0.0235	0.0497	26
	AZ8 B	µg/l	2.8	±	0.158	0.392	14
Ibuprofen	AZ8 A	µg/l	0.141	±	0.0143	0.0225	16
	AZ8 B	µg/l	3.45	±	0.22	0.345	10
Iopamidol	AZ8 A	µg/l	0.809	±	0.0289	0.0405	5
	AZ8 B	µg/l	31.7	±	4.83	8.86	28
Metoprolol	AZ8 A	µg/l	0.318	±	0.0247	0.0794	25
	AZ8 B	µg/l	1.09	±	0.0751	0.274	25
Saccharin	AZ8 A	µg/l	0.514	±	0.0512	0.113	22
	AZ8 B	µg/l	21.9	±	1.84	4.81	22
Sotalol	AZ8 A	µg/l	0.148	±	0.0207	0.0326	22
	AZ8 B	µg/l	0.767	±	0.0685	0.169	22
Sucralose	AZ8 A	µg/l	1.08	±	0.213	0.325	30
	AZ8 B	µg/l	10.3	±	2.31	3.1	30
Sulfamethoxazol	AZ8 A	µg/l	0.29	±	0.0137	0.0348	12
	AZ8 B	µg/l	0.769	±	0.043	0.0922	12

## D6.2. Zusammenfassung der ausreißerbereinigten Ringversuchsergebnisse

Parameter	Probe	Anzahl Labors für Berechnung	Anzahl Ausreißer Labors	Einheit	Mittelwert	± VB (99%)	Minimum	Maximum	sR	vR [%]
4-Acetylaminoantipyrin	AZ8 A	6	1	µg/l	0.303	± 0.0306	0.271	0.328	0.025	8.3
	AZ8 B	6	0	µg/l	8.27	± 1.23	6.42	9.25	1	12
4-Formylaminoantipyrin	AZ8 A	6	0	µg/l	0.459	± 0.0525	0.389	0.511	0.0429	9.3
	AZ8 B	5	1	µg/l	-	± -	4.54	5.37	-	-
10,11-Dihydro-10,11-	AZ8 A	7	1	µg/l	0.276	± 0.0374	0.223	0.317	0.033	12
	AZ8 B	6	2	µg/l	1.24	± 0.109	1.11	1.36	0.089	7.2
Acesulfam	AZ8 A	14	2	µg/l	1.12	± 0.0871	0.972	1.33	0.109	9.7
	AZ8 B	13	0	µg/l	18.8	± 2.16	13.8	22.5	2.59	14
Amidotrizoesäure	AZ8 A	12	0	µg/l	0.626	± 0.134	0.398	0.857	0.155	25
	AZ8 B	10	1	µg/l	2.07	± 0.402	1.15	2.77	0.424	20
Atenolol	AZ8 A	15	0	µg/l	0.457	± 0.0667	0.295	0.614	0.0861	19
	AZ8 B	15	0	µg/l	1.17	± 0.192	0.732	1.71	0.248	21
Benzotriazol	AZ8 A	14	0	µg/l	0.676	± 0.0599	0.573	0.822	0.0747	11
	AZ8 B	10	2	µg/l	10.6	± 0.469	9.86	11.3	0.494	4.7
Bisoprolol	AZ8 A	8	0	µg/l	0.0879	± 0.014	0.068	0.102	0.0132	15
	AZ8 B	7	1	µg/l	0.803	± 0.0884	0.666	0.88	0.078	9.7
Carbamazepin	AZ8 A	18	1	µg/l	0.761	± 0.0728	0.606	1.03	0.103	14
	AZ8 B	17	1	µg/l	1.22	± 0.133	0.752	1.48	0.183	15
Cyclamat	AZ8 A	12	0	µg/l	0.912	± 0.119	0.615	1.16	0.138	15
	AZ8 B	6	0	µg/l	0.622	± 0.206	0.422	0.92	0.168	27
Diazepam	AZ8 A	9	0	µg/l	0.595	± 0.0838	0.458	0.673	0.0838	14
	AZ8 B	8	1	µg/l	0.572	± 0.0883	0.412	0.646	0.0832	15
Diclofenac	AZ8 A	18	0	µg/l	0.191	± 0.0352	0.101	0.273	0.0498	26
	AZ8 B	18	0	µg/l	2.8	± 0.237	2.13	3.17	0.336	12
Ibuprofen	AZ8 A	10	1	µg/l	0.141	± 0.0215	0.118	0.179	0.0226	16
	AZ8 B	10	1	µg/l	3.45	± 0.33	2.73	4.01	0.348	10

Parameter	Probe	Anzahl Labors für Berechnung	Anzahl Ausreißer Labors	Einheit	Mittelwert	± VB (99%)	Minimum	Maximum	sR	vR [%]
Iopamidol	AZ8 A	10	4	µg/l	0.798	± 0.0371	0.743	0.866	0.0391	4.9
	AZ8 B	13	0	µg/l	31.7	± 7.25	14.4	46.3	8.71	28
Metoprolol	AZ8 A	16	0	µg/l	0.318	± 0.037	0.201	0.398	0.0494	16
	AZ8 B	15	1	µg/l	1.09	± 0.113	0.841	1.41	0.145	13
Saccharin	AZ8 A	9	2	µg/l	0.517	± 0.0681	0.458	0.629	0.0681	13
	AZ8 B	10	0	µg/l	21.9	± 2.76	17.2	25.7	2.91	13
Sotalol	AZ8 A	14	0	µg/l	0.148	± 0.0311	0.072	0.199	0.0388	26
	AZ8 B	14	1	µg/l	0.767	± 0.103	0.539	0.992	0.128	17
Sucralose	AZ8 A	11	0	µg/l	1.08	± 0.32	0.349	1.63	0.354	33
	AZ8 B	9	0	µg/l	10.3	± 3.46	5.61	15.4	3.46	34
Sulfamethoxazol	AZ8 A	18	2	µg/l	0.29	± 0.0206	0.229	0.33	0.0291	10
	AZ8 B	14	2	µg/l	0.769	± 0.0645	0.622	0.951	0.0805	10

## **E1. Description of the proficiency test**

### **E1.1. Design and implementation**

- Number of registrations: 21
- Number of submitted data records: 20
- Dispatch of samples: 16<sup>th</sup> March 2021
- Closing date for submission of data: 20<sup>th</sup> April 2021

The results were submitted electronically by a password-protected online data entry. Upon completion of the data entry, the participant confirmed the complete and correct entry of all data and the authorization of the results for evaluation.

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

### **E1.2. Description of the proficiency test items**

The sampling of surface water and municipal waste water was carried out on 11<sup>th</sup> March 2021.

The following samples were made available

- 1 sample surface water (AZ8 A)
- 1 sample municipal waste water (AZ8 B)

Both samples were stored at 4 +/- 3°C until further processing. The samples were filtered (40 µm) and partly spiked with specific substances in the stirring vessel.

The samples were filled into bottles under continuous stirring (stirring vessel) and stabilized by cooling and by addition of sodium azide respectively.

The homogeneous proficiency test items were dispatched on 16<sup>th</sup> March 2021.

Each participant received:

- 2 samples of 2000 ml each, filled in 2 x 1000 ml aluminium bottles each

### **E1.3. Instructions for the participants**

For reasons of stability, it was recommended to start the analysis by the 24<sup>th</sup> March 2021 at the latest.

The participants are expected to use the test method or measurement method of their choice, which should be consistent with their routine procedures. In E9. you will find the overview of applied methods in course of the proficiency testing.

### **E1.4. Control testing for homogeneity evaluation**

During filling of the bottles, aliquots of each sample were collected randomly for control testing. From each of the samples A and B, n=5 control test samples and n=1 unspiked real water sample were transferred to the laboratory for control testing.

All parameters were tested in the testing laboratory at Environment Agency Austria (Prüfstelle für Umwelt-, GVO- & Treibstoffanalytik) close to the time of sample dispatch.

During evaluation the relative standard deviation between the individual results of the control test samples was assessed for each parameter by comparison with the reproducibility standard deviation of the actual proficiency test.

In the parameter-oriented evaluation (E.7.), the results of the control testing are given in the form of arithmetic means of the detected concentrations  $\pm$  expanded measurement uncertainty as control test value  $\pm$  U (expanded uncertainty, k=2).

### **E1.5. Trend test for stability evaluation**

The evaluation of stability of the proficiency test items was performed using the data statistics of the results of previous proficiency testing rounds for real water samples of the period from 2013 to 2019.

The assessment of the stability of the proficiency test items of the current round was carried out by evaluation of all participant results sorted by analysis date (until submission deadline): No systematic trends were identified.

Using all participants results, it was furthermore tested if systematic trends could be detected depending on the order in which the bottles were filled for the proficiency test: No systematic trends could be identified.

According to data obtained from previous rounds for real water samples from 2013 to 2019 and based on the trend test evaluation of the current round, the stability of the

test items for proficiency testing of real water samples can be confirmed for the recommended analysis period until deadline for submission of data.

## **E1.6. Determination of the assigned values**

The analytical results had to be made available to the organiser not later than 20<sup>th</sup> April 2021. Any values received at a later date were not considered.

In the course of the plausibility assessment of all received data (e.g. check for correct units, indication of measurement uncertainty, ...) the participants with noticeable results were asked to perform a subsequent data check and to give a prompt feedback within 24 h.

After plausibility assessment an outlier test according to Hampel was performed to identify outliers. Values identified as conspicuous are marked specifically in the parameter-oriented evaluation ('H').

In justified cases, for instance, when the outlier test according to Hampel is not applicable (e.g. many similar or identical results of the participants or in case of a very limited number of highly scattering results) a different outlier identification method can be applied (e.g. Dean and Dixon outlier test or manual outlier elimination by expert judgement). In such a case, this procedure is documented in section E4 of the report.

Further data evaluation was performed in accordance with ISO 5725-2. A statistical evaluation of proficiency testing data was only carried out if at least 6 valid results per parameter were available. Results < LOQ or < LOD are not included in the calculation for the assigned value.

The assigned values are normally calculated as the mean over all submitted results, after removal of outliers.

For real water samples in some exceptional cases it might occur, that no assigned value based on participants' results can be calculated and no evaluation of the participants results can be made. E.g. due to large variations in the participant results ( $vR > 50\%$ ) and/or insufficient traceability of the calculated mean of all participants after outlier-clearing to the mean of control testing or if the number of results (without outliers) of the group of accredited testing laboratories is too low.

In this case, a clear statement in section E7 of the report is made and all provided statistical data are for information only. In section E4 further information is given, when applicable, for each parameter and proficiency test item. In course of the internal quality measures, the participants can compare their results with the control test values.

## E2. Criteria of performance evaluation

### E2.1. Performance criterion z-Score

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

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

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

In this context,

$x_i$	is the measurement value (result) of the participating laboratory;
$\bar{X}$	assigned value the target value for the assessment of the performance of the participants (3 significant digits), normally the average value of the participants' results after removal of outliers; if this approach is not applicable, the target value is assigned according to the procedure given in section E4
Criteria	is the reproducibility standard deviation calculated from previous rounds for proficiency testing for real water samples from 2013 to 2019 (as RSD pooled) or from the participants' results after removal of outliers (sR) in the current round (if less than 6 previous rounds for the parameters of real water samples A and B are available). Where justified (e.g. results for real water samples are close to minimum quantification limit or in case of regulatory requirements) the criteria is defined by expert judgement and the procedure is clearly described in section E4 of the report.

### E2.2. Performance criterion E<sub>n</sub>-Score

Since 2019 additional assessment of the participants' results using E<sub>n</sub>-Scores for proficiency testing of real water samples is performed. This additional assessment takes into account the expanded measurement uncertainties of the participants results and the expanded uncertainty of the assigned value and is provided in the laboratory oriented part of the report (see E8 after the z-scores evaluation).

E<sub>n</sub>-Scores were calculated on the basis of the following formula:

$$E_n - score = \frac{x_i - \bar{X}}{\sqrt{U(x_i)^2 + U(\bar{X})^2}}$$

In this context,

$x_i$	is the measurement value (result) of the participating laboratory
$\bar{X}$	assigned value the target value for the assessment of the performance of the participants (3 significant digits), normally the average value of the participants' results after removal of outliers; if this approach is not applicable, the target value is assigned according to the procedure given in section E4
$U(x_i)$	expanded measurement uncertainty for the result of the participating laboratory, $k=2$
$U(\bar{X})$	expanded measurement uncertainty for the assigned value, $k=2$

### E2.3. Performance evaluation z-Score and $E_n$ -Score

#### Interpretation of z-Scores:

- $|z\text{-Score}| \leq 2.0$  good result
- $2.0 < |z\text{-Score}| < 3.0$  questionable result
- $|z\text{-Score}| \geq 3.0$  unsatisfactory result

Note: In case of assessment of the participants' performance by z-scores the measurement uncertainty of the participants' results is not taken into account. The difference between result of participants and the assigned value is evaluated by the criteria.

#### Interpretation of $E_n$ -Scores:

- $|E_n\text{-Score}| \leq 1.0$  satisfactory performance
- $|E_n\text{-Score}| > 1.0$  unsatisfactory performance

Note: In case of assessment of the participants' performance by  $E_n$ -Scores the expanded measurement uncertainties for the results and for the assigned values are taken into account.  $|E_n\text{-Score}| > 1.0$  might indicate to check the measurement uncertainty estimation or might point out to correct a measurement problem.

## E3. Representation and interpretation of measurement results

The parameter-oriented report provides the measurement values (results) including uncertainty ( $\pm U$ ), recovery rate, calculated z-Score and the outliers in tabular form. The results listed in the table are also represented graphically.

The laboratory oriented report shows the results of the individual laboratories (anonymous), including the measurement uncertainty ( $\pm U$ ), recovery rates, z-Scores and additionally evaluation of  $E_n$ -Scores on separate pages.



The tables also contain the basis for the data assessment as the assigned values and expanded measurement uncertainties and the criteria.

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

#### **E4. Explanatory notes**

As explained in section E2, the z-Score can also be calculated using the reproducibility standard deviation, calculated from the participants' results (after removal of outliers) in the relevant test round. It might occur that the z-Score between -2 and 2 covers a large range of measurement values when the variance of the results is high. On the other hand, the range of good results can be very narrow, when the variation of the participants' results is small.

The recovery rate is calculated for the individual result based on the assigned value and is thus independent of the reproducibility standard deviation. In the case of a high variance of the results, participants should also consider recovery rates as additional criteria to decide on the necessity of internal quality assurance measures.

As a result of a long-term evaluation of 7 proficiency testing rounds (2013 - 2019) in real samples, evaluation criteria (RSDpool) were calculated.

These criteria were compared with the relative reproducibility standard deviation (vR) of the current proficiency testing.

Parameters Benzotriazole, lopamidol and Saccharin sample AZ8 A:

The assigned values calculated based on the participant results were outside of the measurement uncertainty of the control test value and thus traceability could not be proven by this procedure. Therefore, new assigned values were defined by the group of accredited participating laboratories after outlier-assessment.

Parameter lopamidol sample AZ8 A:

For this parameter a reproducibility standard deviation (vR) of 5 % (rounded up) was chosen for assessment.

Parameters 4-Acetylaminoantipyrine, 4-Formylaminoantipyrine, Amidotrizoic acid, Atenolol, Bisoprolol, 10,11-Dihydro-10,11-Dihydroxycarbamazepine, Cyclamate, Diazepam, Diclofenac and Ibuprofen sample AZ8 A and parameters 4-Acetylaminoantipyrine, Amidotrizoic acid, Atenolol, Bisoprolol, 10,11-Dihydro-10,11-Dihydroxycarbamazepine, Cyclamate, Diazepam, Ibuprofen and lopamidol sample AZ8 B:

The reproducibility standard deviation (vR) of the actual proficiency testing round was chosen for assessment (vR rounded to two significant figures). Based on the available data from control testing for AZ8 A the defined criteria for Diclofenac was adjusted to

the actual reproducibility standard deviation ( $vR$ ) of 26 % instead of the relative pooled standard deviation of 14 %.

Parameter 4-Formylaminoantipyrine sample AZ8 B:

Assigned values could not be defined because of the small number of valid participants results after outlier elimination ( $n < 6$ ). For this parameter, we recommend to compare your results with the control test values.

## E5. Annotations on tables and charts

### E5.1. Information and abbreviations in tables

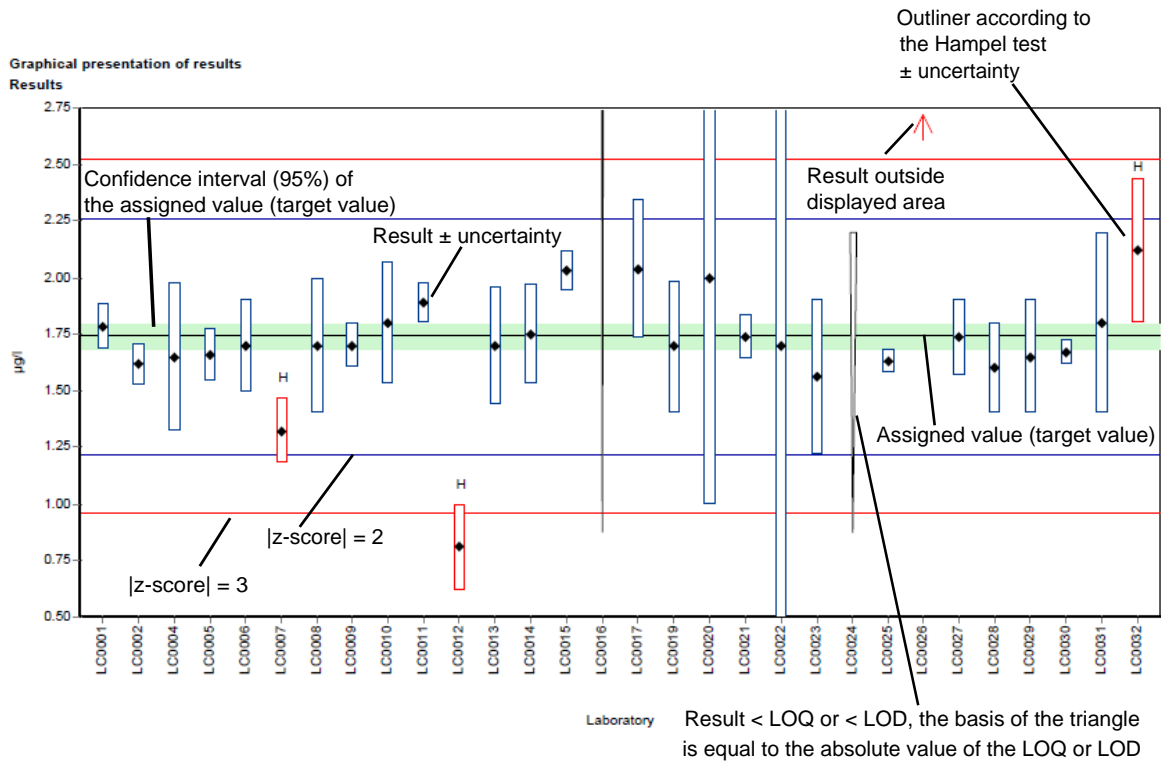
Parameter	Analyte identifier
Sample	Sample identifier
Unit	Given unit for result and uncertainty (e.g. $\mu\text{g/l}$ )
Assigned value	Target value for proficiency assessment of the participants (3 significant digits)
U (k=2)	Expanded uncertainty (k=2) of the assigned value (3 significant digits)
Criteria	Specified value for the determination of the z-score in the given unit (3 significant digits)
Criteria [%]	Specified value for the determination of the z-score in % of the assigned value (2 significant digits)
Mean	Mean of the participants results, without outliers (3 significant digits)
CI (99 %)	99% confidence interval (3 significant digits)
Minimum	Minimum of all submitted results, after removal of outliers (3 significant digits)
Maximum	Maximum of all submitted results, after removal of outliers (3 significant digits)
SD	Reproducibility standard deviation, calculated from the participants results, after removal of outliers (3 significant digits)
RSD %	Reproducibility standard deviation, calculated from the participants results relative to the target value, given in %, after removal of outliers (2 significant digits)
Control test value $\pm$ U (k=2)	Mean of control test value $\pm$ expanded measurement uncertainty (3 significant digits)
Labcode	Laboratory identifier (anonymized)
Result $\pm$ U	Result as indicated by participant (max. 5 decimal places) combined measurement uncertainty without expansion factor (k=1), as indicated by participant (max. 5 decimal places)

LOQ	Limit of quantification
LOD	Limit of detection
Recovery	Recovery rate in % based on assigned value (target value) (3 significant digits, max. one decimal place given)
z-Score	Deviation of result based on the assigned value (target value) given as a multiple of the criteria (3 significant digits, max. 2 decimal places given)
E <sub>n</sub> -Score	Deviation of result based on the assigned value (target value) given as a multiple of the combined expanded measurement uncertainty of the participant's results and expanded measurement uncertainty for the assigned value (3 significant digits, max. 2 decimal places given). Note: E <sub>n</sub> -Score assessment takes into account the measurement uncertainty of the participants.
-	No data available or no calculation possible
Comments	Comment on the respective result (e.g. H, FN, FP)
H	Outlier according to Hampel-Test
FN	False negative – for a result < LOQ or result < LOD: The absolute value of the LOQ or LOD fulfils the condition of an outlier according to the Hampel test.
FP	False positive – for parameters where no target value is available because of a too low analyte content (n < 6): Result that exceeds the median of the absolute values of the transmitted LOQs or LODs by more than 100 %.
Standard deviation	Reproducibility standard deviation, calculated from the participants results (3 significant digits)
Rel. standard deviation	Reproducibility standard deviation, calculated from the participants results relative to the target value, given in %, (3 significant digits)
n	Number of results

## E5.2. Graphical presentation of results

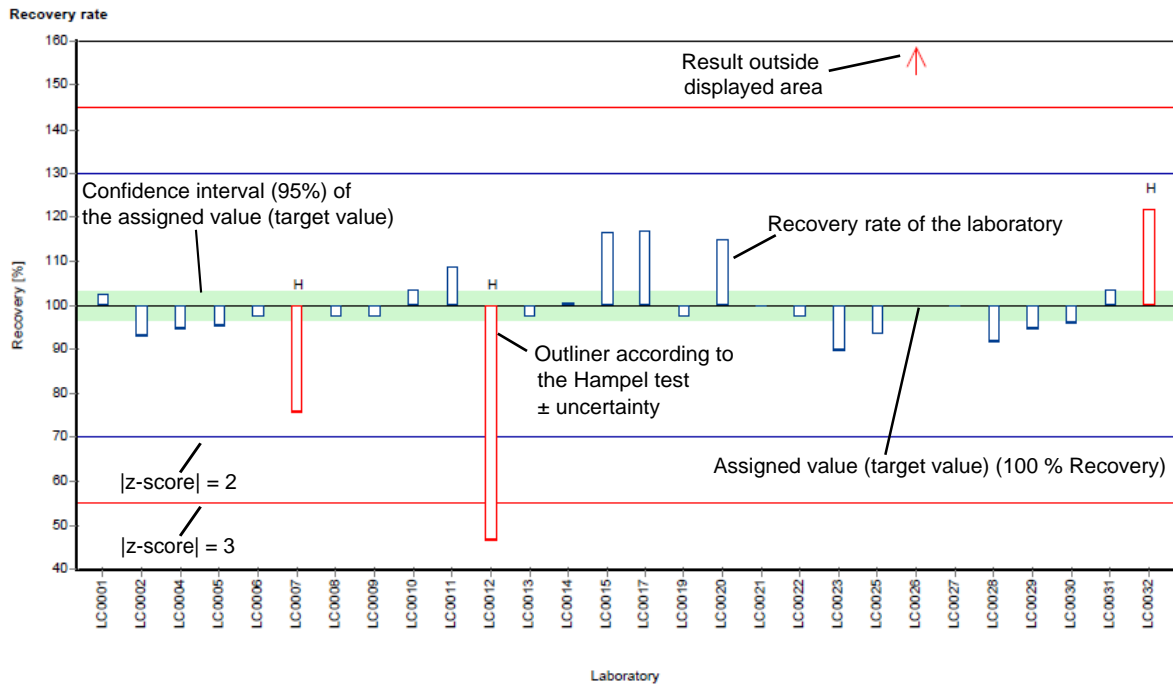
The graphic representation in the report is explained below by means of commented example diagrams:

### Example chart: Results



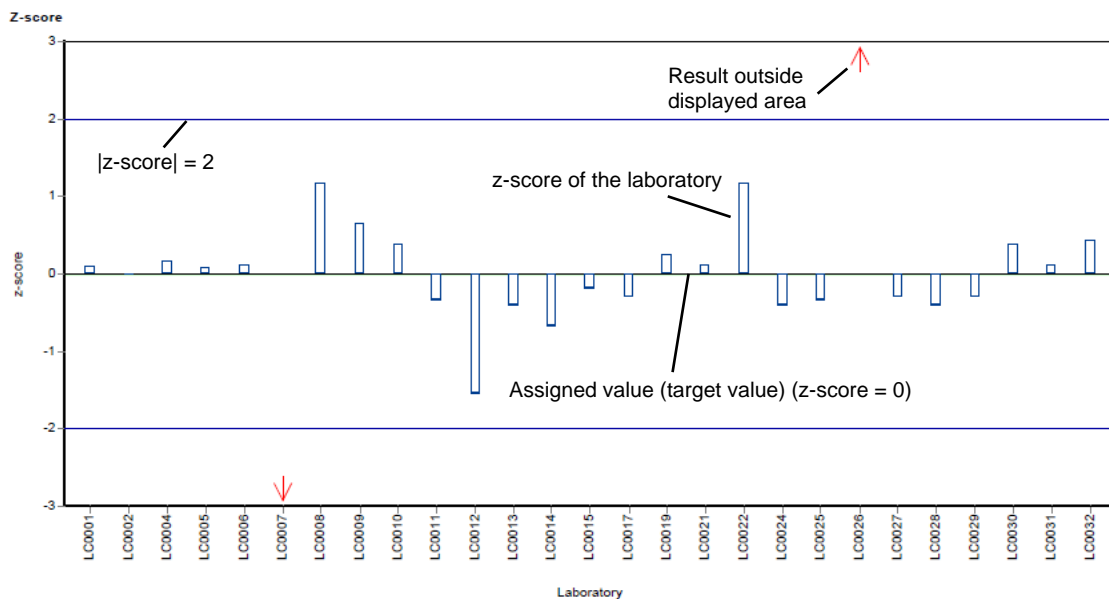
Different analysis methods are represented with different colors.

### Example chart: Recovery



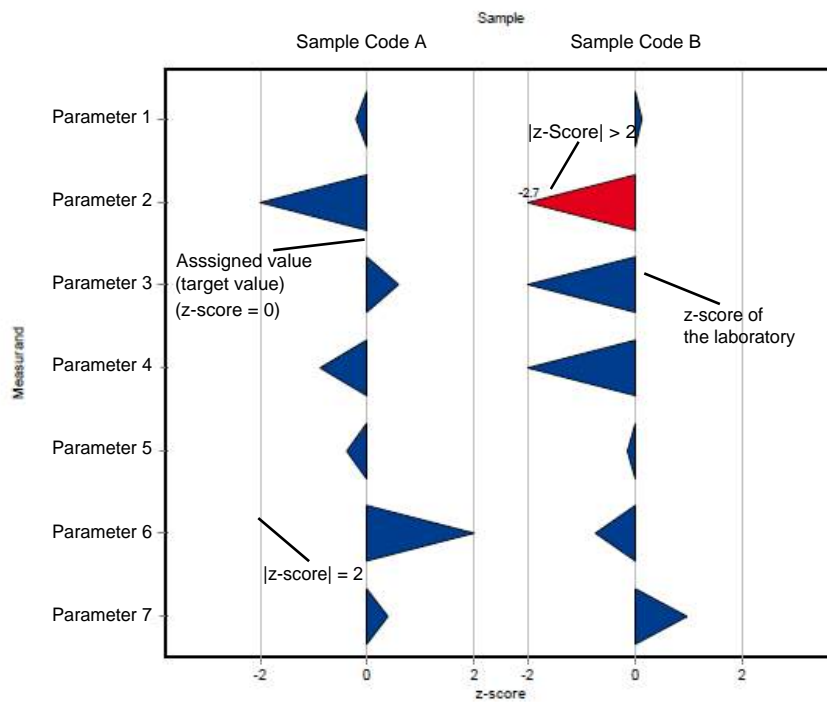
Different analysis methods are represented with different colors.

### Example chart: z-score

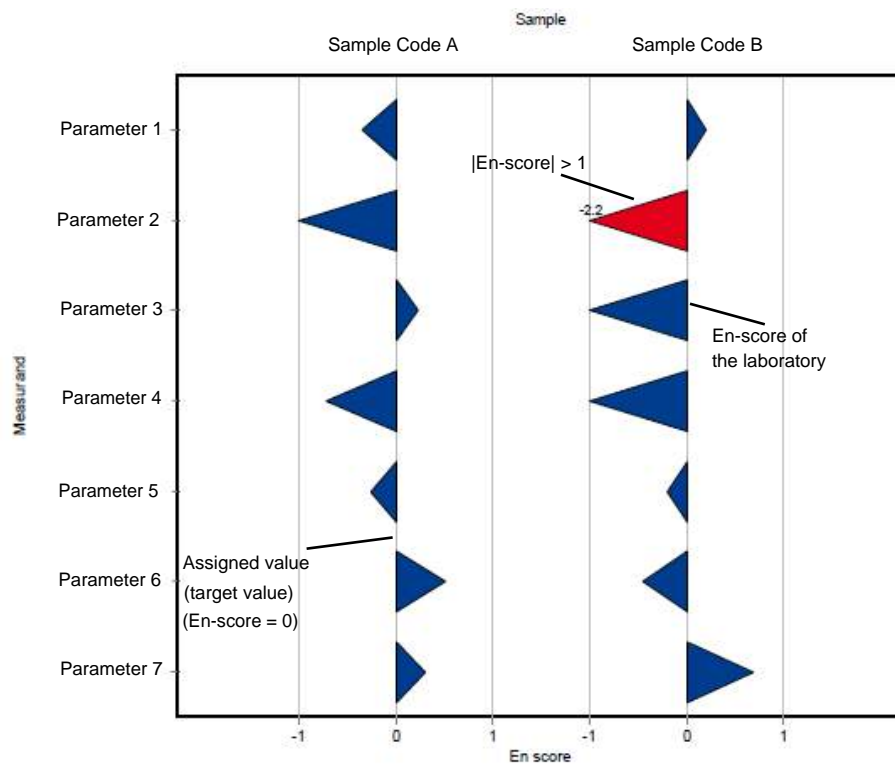


Different analysis methods are represented with different colors.

**Example chart: z-score (laboratory oriented report)**



**Example chart: En-score (laboratory oriented report)**



## E6. Summary

### E6.1. Table of assigned values

Parameter	Sample	Unit	Assigned value ±	U (k=2)	Criterion	Criterion [%]
4-Acetylaminoantipyrine	AZ8 A	µg/l	0.303 ±	0.0204	0.0251	8.3
	AZ8 B	µg/l	8.27 ±	0.818	0.992	12
4-Formylaminoantipyrine	AZ8 A	µg/l	0.459 ±	0.035	0.0431	9.4
	AZ8 B	µg/l	- ±	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	AZ8 A	µg/l	0.276 ±	0.025	0.0332	12
	AZ8 B	µg/l	1.24 ±	0.0727	0.0891	7.2
Acesulfame	AZ8 A	µg/l	1.12 ±	0.0581	0.19	17
	AZ8 B	µg/l	18.8 ±	1.44	3.2	17
Amidotrizoic acid	AZ8 A	µg/l	0.626 ±	0.0895	0.157	25
	AZ8 B	µg/l	2.07 ±	0.268	0.414	20
Atenolol	AZ8 A	µg/l	0.457 ±	0.0445	0.0868	19
	AZ8 B	µg/l	1.17 ±	0.128	0.246	21
Benzotriazole	AZ8 A	µg/l	0.695 ±	0.0439	0.0833	12
	AZ8 B	µg/l	10.6 ±	0.312	1.27	12
Bisoprolol	AZ8 A	µg/l	0.0879 ±	0.00933	0.0132	15
	AZ8 B	µg/l	0.803 ±	0.059	0.0779	9.7
Carbamazepine	AZ8 A	µg/l	0.761 ±	0.0485	0.099	13
	AZ8 B	µg/l	1.22 ±	0.0887	0.158	13
Cyclamate	AZ8 A	µg/l	0.912 ±	0.0795	0.137	15
	AZ8 B	µg/l	0.622 ±	0.138	0.168	27
Diazepam	AZ8 A	µg/l	0.595 ±	0.0559	0.0833	14
	AZ8 B	µg/l	0.572 ±	0.0588	0.0858	15
Diclofenac	AZ8 A	µg/l	0.191 ±	0.0235	0.0497	26
	AZ8 B	µg/l	2.8 ±	0.158	0.392	14
Ibuprofen	AZ8 A	µg/l	0.141 ±	0.0143	0.0225	16
	AZ8 B	µg/l	3.45 ±	0.22	0.345	10
Iopamidol	AZ8 A	µg/l	0.809 ±	0.0289	0.0405	5
	AZ8 B	µg/l	31.7 ±	4.83	8.86	28
Metoprolol	AZ8 A	µg/l	0.318 ±	0.0247	0.0794	25
	AZ8 B	µg/l	1.09 ±	0.0751	0.274	25
Saccharin	AZ8 A	µg/l	0.514 ±	0.0512	0.113	22
	AZ8 B	µg/l	21.9 ±	1.84	4.81	22
Sotalol	AZ8 A	µg/l	0.148 ±	0.0207	0.0326	22
	AZ8 B	µg/l	0.767 ±	0.0685	0.169	22
Sucralose	AZ8 A	µg/l	1.08 ±	0.213	0.325	30
	AZ8 B	µg/l	10.3 ±	2.31	3.1	30
Sulfamethoxazole	AZ8 A	µg/l	0.29 ±	0.0137	0.0348	12
	AZ8 B	µg/l	0.769 ±	0.043	0.0922	12

## E6.2. Summary of results, after removal of outliers

Parameter	Sample	Number of results for calculation	Number of outliers	Unit	Mean	± CI (99%)	Minimum	Maximum	sR	vR [%]
4-Acetylaminoantipyrine	AZ8 A	6	1	µg/l	0.303	± 0.0306	0.271	0.328	0.025	8.3
	AZ8 B	6	0	µg/l	8.27	± 1.23	6.42	9.25	1	12
4-Formylaminoantipyrine	AZ8 A	6	0	µg/l	0.459	± 0.0525	0.389	0.511	0.0429	9.3
	AZ8 B	5	1	µg/l	-	± -	4.54	5.37	-	-
10,11-Dihydro-10,11-	AZ8 A	7	1	µg/l	0.276	± 0.0374	0.223	0.317	0.033	12
	AZ8 B	6	2	µg/l	1.24	± 0.109	1.11	1.36	0.089	7.2
Acesulfame	AZ8 A	14	2	µg/l	1.12	± 0.0871	0.972	1.33	0.109	9.7
	AZ8 B	13	0	µg/l	18.8	± 2.16	13.8	22.5	2.59	14
Amidotrizoic acid	AZ8 A	12	0	µg/l	0.626	± 0.134	0.398	0.857	0.155	25
	AZ8 B	10	1	µg/l	2.07	± 0.402	1.15	2.77	0.424	20
Atenolol	AZ8 A	15	0	µg/l	0.457	± 0.0667	0.295	0.614	0.0861	19
	AZ8 B	15	0	µg/l	1.17	± 0.192	0.732	1.71	0.248	21
Benzotriazole	AZ8 A	14	0	µg/l	0.676	± 0.0599	0.573	0.822	0.0747	11
	AZ8 B	10	2	µg/l	10.6	± 0.469	9.86	11.3	0.494	4.7
Bisoprolol	AZ8 A	8	0	µg/l	0.0879	± 0.014	0.068	0.102	0.0132	15
	AZ8 B	7	1	µg/l	0.803	± 0.0884	0.666	0.88	0.078	9.7
Carbamazepine	AZ8 A	18	1	µg/l	0.761	± 0.0728	0.606	1.03	0.103	14
	AZ8 B	17	1	µg/l	1.22	± 0.133	0.752	1.48	0.183	15
Cyclamate	AZ8 A	12	0	µg/l	0.912	± 0.119	0.615	1.16	0.138	15
	AZ8 B	6	0	µg/l	0.622	± 0.206	0.422	0.92	0.168	27
Diazepam	AZ8 A	9	0	µg/l	0.595	± 0.0838	0.458	0.673	0.0838	14
	AZ8 B	8	1	µg/l	0.572	± 0.0883	0.412	0.646	0.0832	15
Diclofenac	AZ8 A	18	0	µg/l	0.191	± 0.0352	0.101	0.273	0.0498	26
	AZ8 B	18	0	µg/l	2.8	± 0.237	2.13	3.17	0.336	12
Ibuprofen	AZ8 A	10	1	µg/l	0.141	± 0.0215	0.118	0.179	0.0226	16
	AZ8 B	10	1	µg/l	3.45	± 0.33	2.73	4.01	0.348	10
Iopamidol	AZ8 A	10	4	µg/l	0.798	± 0.0371	0.743	0.866	0.0391	4.9



Parameter	Sample	Number of results for calculation	Number of outliers	Unit	Mean	± CI (99%)	Minimum	Maximum	sR	vR [%]
Iopamidol	AZ8 B	13	0	µg/l	31.7	± 7.25	14.4	46.3	8.71	28
Metoprolol	AZ8 A	16	0	µg/l	0.318	± 0.037	0.201	0.398	0.0494	16
	AZ8 B	15	1	µg/l	1.09	± 0.113	0.841	1.41	0.145	13
Saccharin	AZ8 A	9	2	µg/l	0.517	± 0.0681	0.458	0.629	0.0681	13
	AZ8 B	10	0	µg/l	21.9	± 2.76	17.2	25.7	2.91	13
Sotalol	AZ8 A	14	0	µg/l	0.148	± 0.0311	0.072	0.199	0.0388	26
	AZ8 B	14	1	µg/l	0.767	± 0.103	0.539	0.992	0.128	17
Sucralose	AZ8 A	11	0	µg/l	1.08	± 0.32	0.349	1.63	0.354	33
	AZ8 B	9	0	µg/l	10.3	± 3.46	5.61	15.4	3.46	34
Sulfamethoxazole	AZ8 A	18	2	µg/l	0.29	± 0.0206	0.229	0.33	0.0291	10
	AZ8 B	14	2	µg/l	0.769	± 0.0645	0.622	0.951	0.0805	10

## E7. Parameterorientierte Auswertung / Parameter oriented report

4-Acetylaminoantipyrine .....	35
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Acesulfame.....	57
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Atenolol.....	73
Benzotriazole.....	81
Bisoprolol.....	89
Carbamazepine .....	97
Cyclamate.....	105
Diazepam .....	113
Diclofenac.....	121
Ibuprofen .....	129
Iopamidol.....	137
Metoprolol.....	145
Saccharin.....	153
Sotalol.....	161
Sucralose.....	169
Sulfamethoxazole.....	177

## Parameter oriented report

### AZ8 A

#### 4-Acetylaminoantipyrine

Unit	µg/l
Assigned value ± U (k=2)	0.303 ± 0.0204
Criterion	0.0251 (8.3 %)
Minimum - Maximum	0.271 - 0.328
Control test value ± U (k=2)	0.288 ± 0.0433

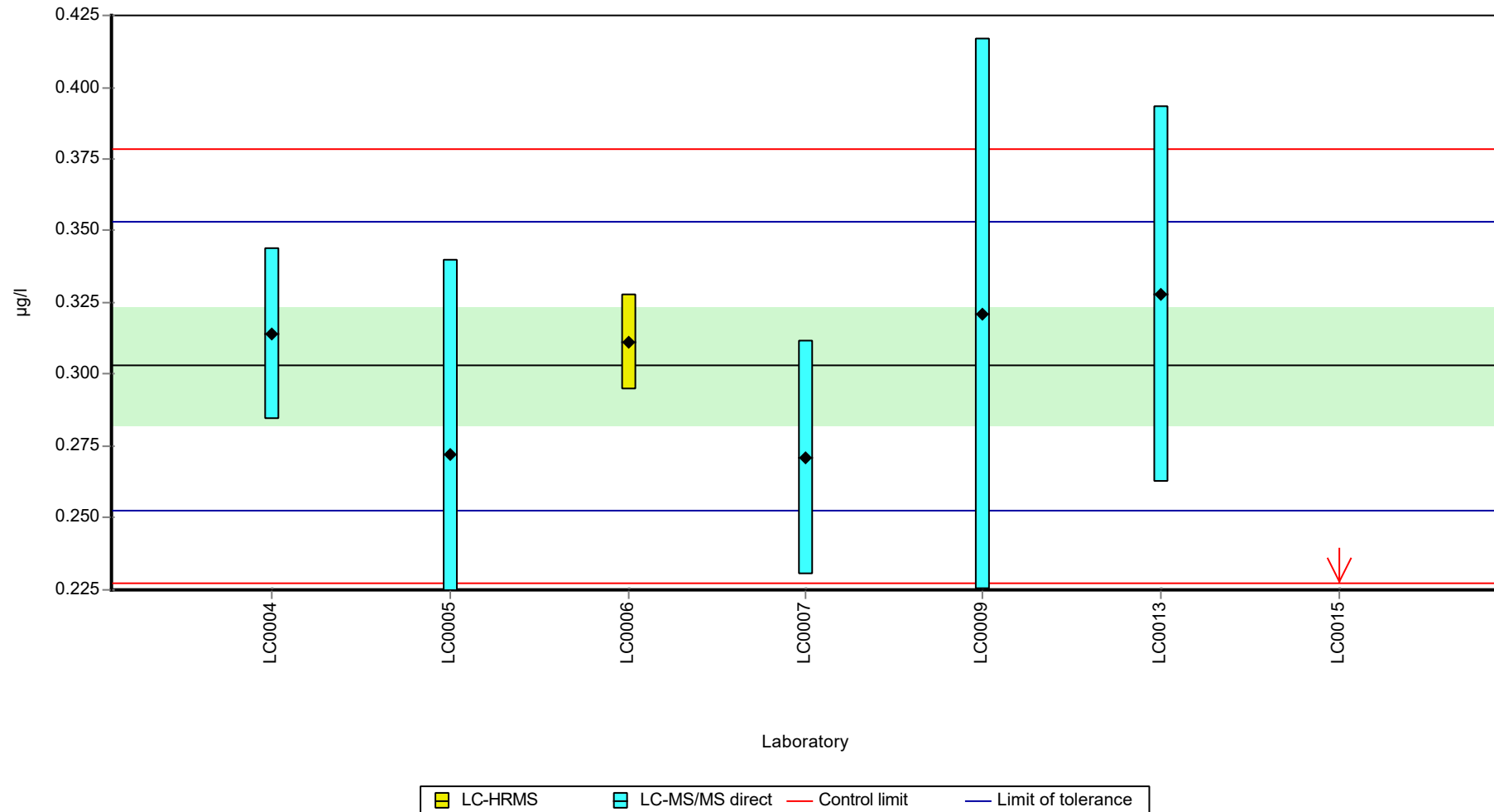
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	-	-	-	-	
LC0004	0.314	0.03	104	0.44	
LC0005	0.272	0.068	89.8	-1.23	
LC0006	0.3113	0.0165	103	0.34	
LC0007	0.271	0.041	89.5	-1.27	
LC0008	-	-	-	-	
LC0009	0.321	0.096	106	0.72	
LC0010	-	-	-	-	
LC0011	-	-	-	-	
LC0012	-	-	-	-	
LC0013	0.328	0.0656	108	1	
LC0014	-	-	-	-	
LC0015	0.157	0.055	51.8	-5.8	H
LC0016	-	-	-	-	
LC0017	-	-	-	-	
LC0018	-	-	-	-	
LC0019	-	-	-	-	
LC0020	-	-	-	-	
LC0021	-	-	-	-	

#### Characteristics of parameter

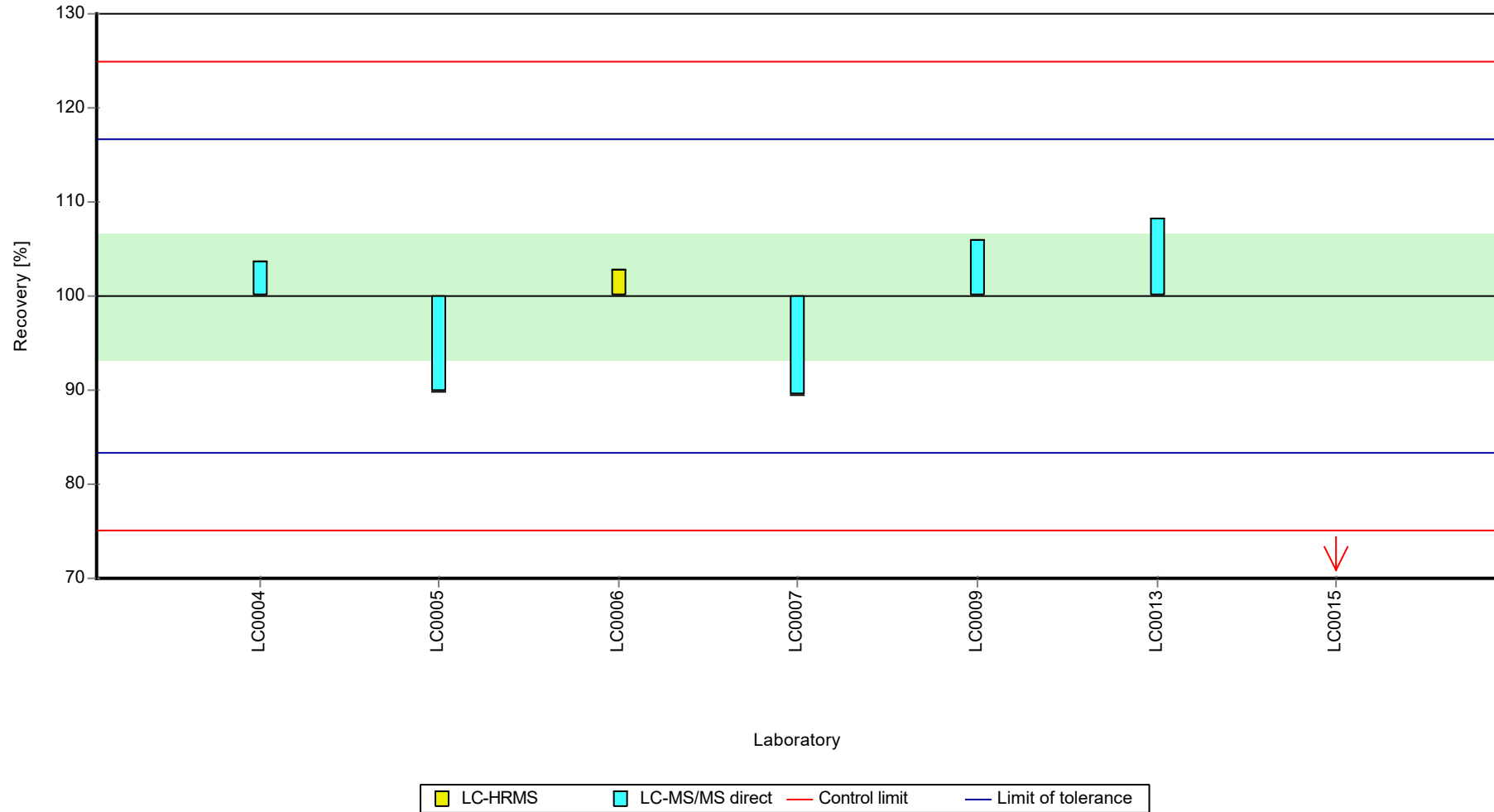
	all results	without outliers	Unit
Mean ± CI (99%)	0.282 ± 0.0677	0.303 ± 0.0306	µg/l
Minimum	0.157	0.271	µg/l
Maximum	0.328	0.328	µg/l
Standard deviation	0.0597	0.025	µg/l
rel. standard deviation	21.2	8.25	%
n	7	6	-

Graphical presentation of results

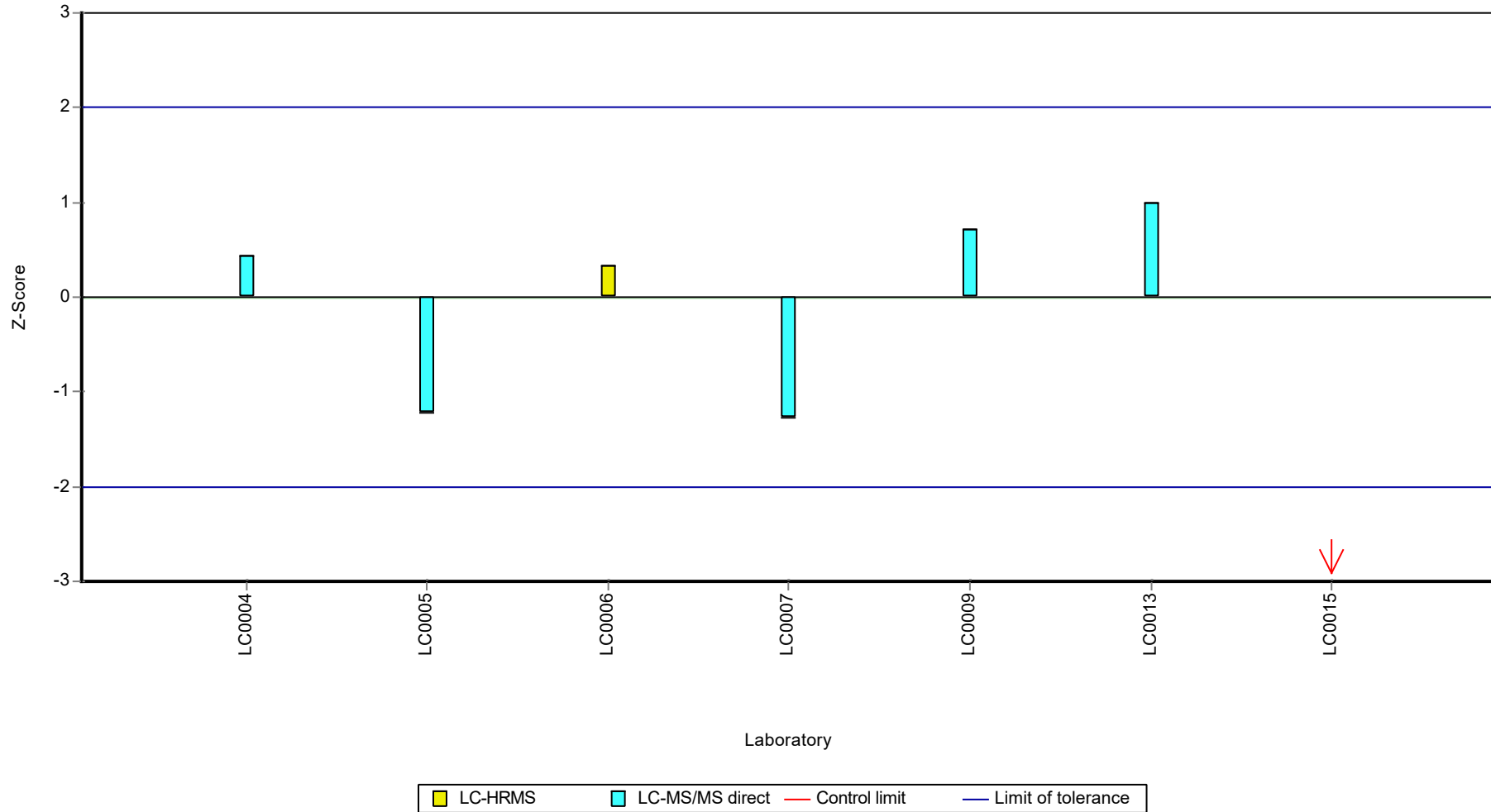
Results



**Recovery rate**



Z-score



## Parameter oriented report

### AZ8 B

#### 4-Acetylaminoantipyrine

Unit	µg/l
Assigned value ± U (k=2)	8.27 ± 0.818
Criterion	0.992 (12 %)
Minimum - Maximum	6.42 - 9.25
Control test value ± U (k=2)	8.82 ± 1.32

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	-	-	-	-	
LC0004	9.254	0.88	112	0.99	
LC0005	8.27	2.068	100	0.00	
LC0006	8.84	0.4677	107	0.58	
LC0007	8.04	1.206	97.2	-0.23	
LC0008	-	-	-	-	
LC0009	-	-	-	-	
LC0010	-	-	-	-	
LC0011	-	-	-	-	
LC0012	-	-	-	-	
LC0013	8.78	1.756	106	0.52	
LC0014	-	-	-	-	
LC0015	6.424	2.248	77.7	-1.86	
LC0016	-	-	-	-	
LC0017	-	-	-	-	
LC0018	-	-	-	-	
LC0019	-	-	-	-	
LC0020	-	-	-	-	
LC0021	-	-	-	-	

#### Characteristics of parameter

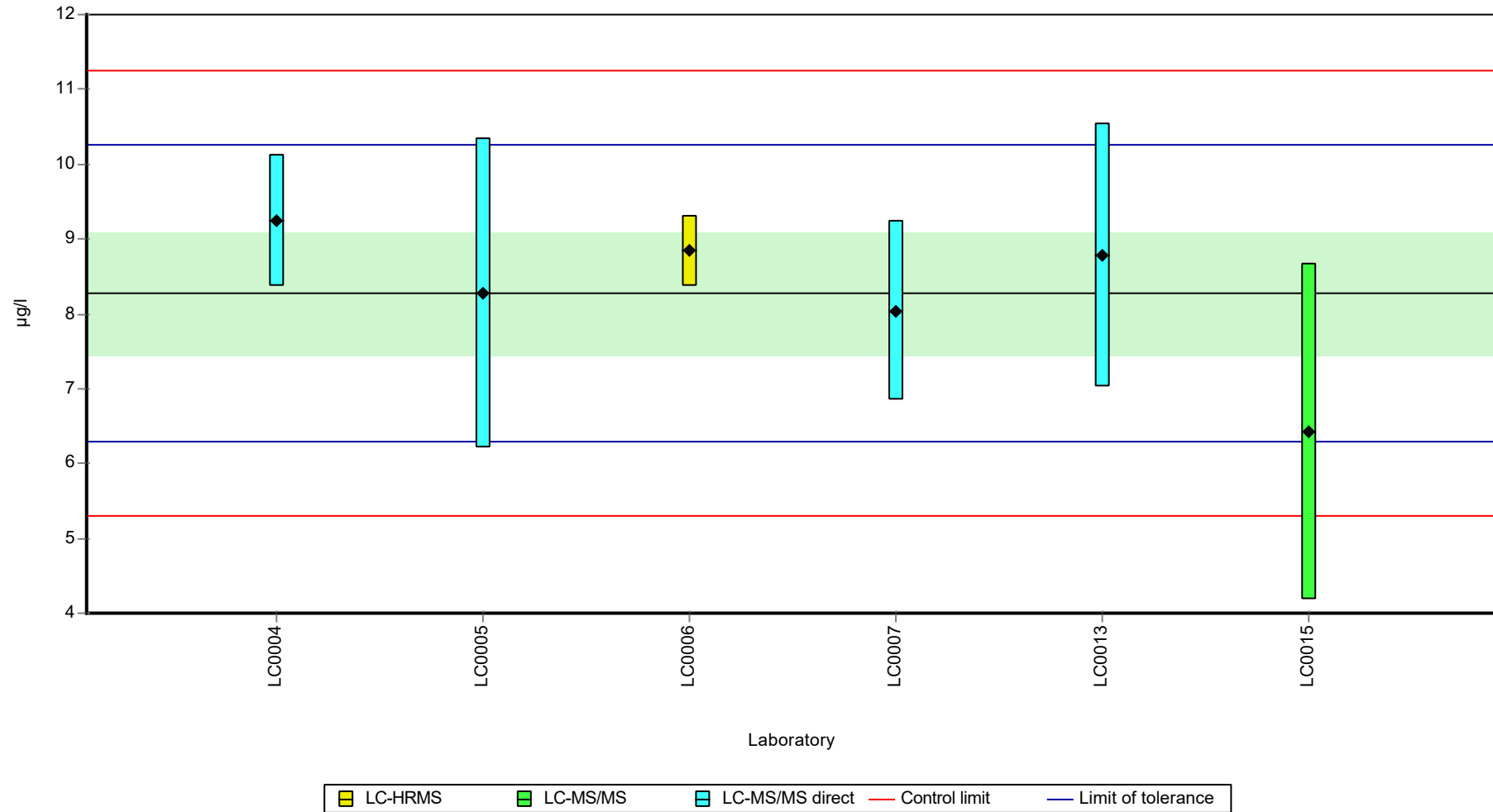
	all results	without outliers	Unit
Mean ± CI (99%)	8.27 ± 1.23	8.27 ± 1.23	µg/l
Minimum	6.42	6.42	µg/l
Maximum	9.25	9.25	µg/l
Standard deviation	1	1	µg/l
rel. standard deviation	12.1	12.1	%
n	6	6	-

Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ8

Sample: AZ8B, Parameter: 4-Acetylaminoantipyrine

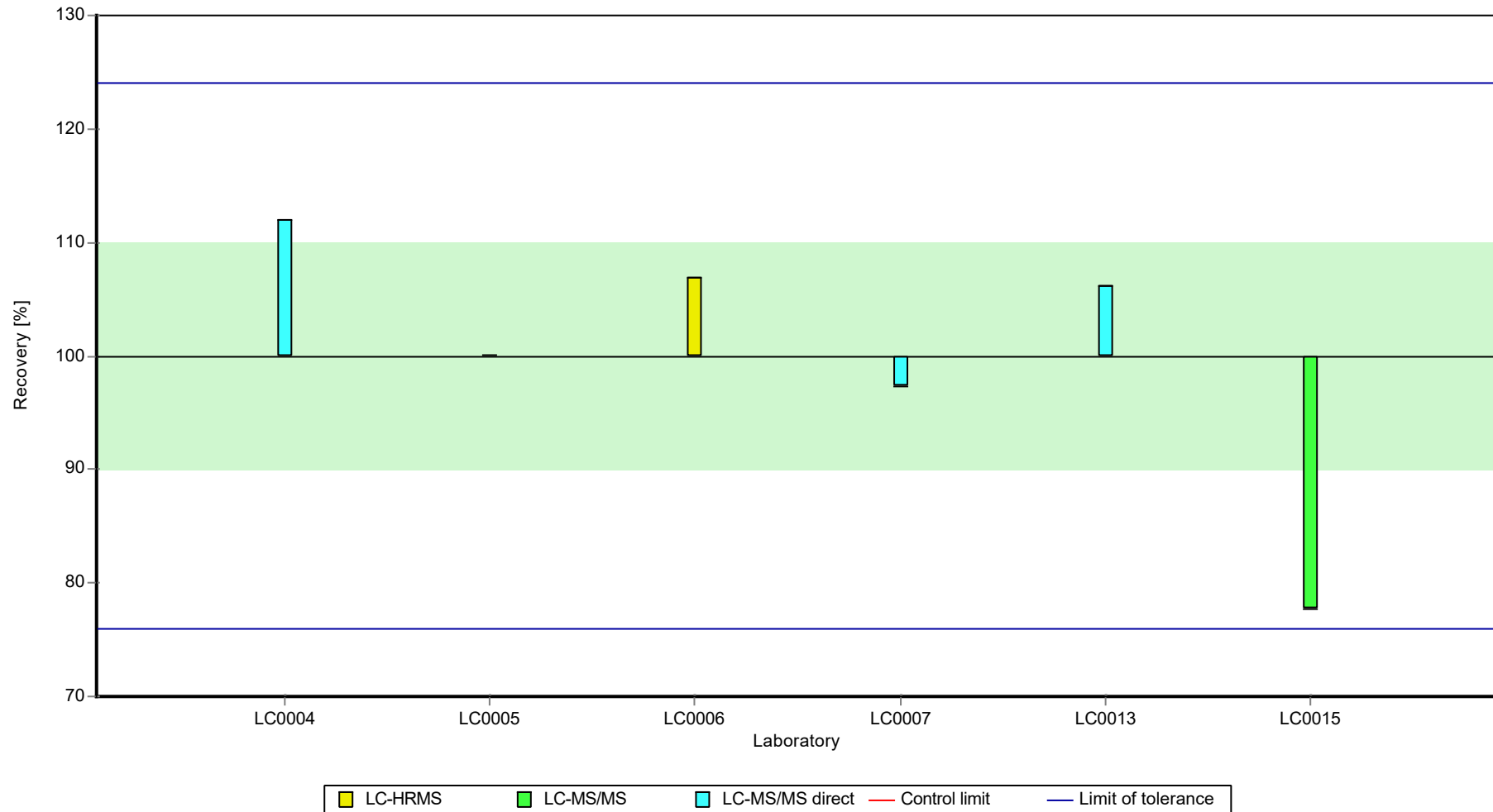
Graphical presentation of results

Results

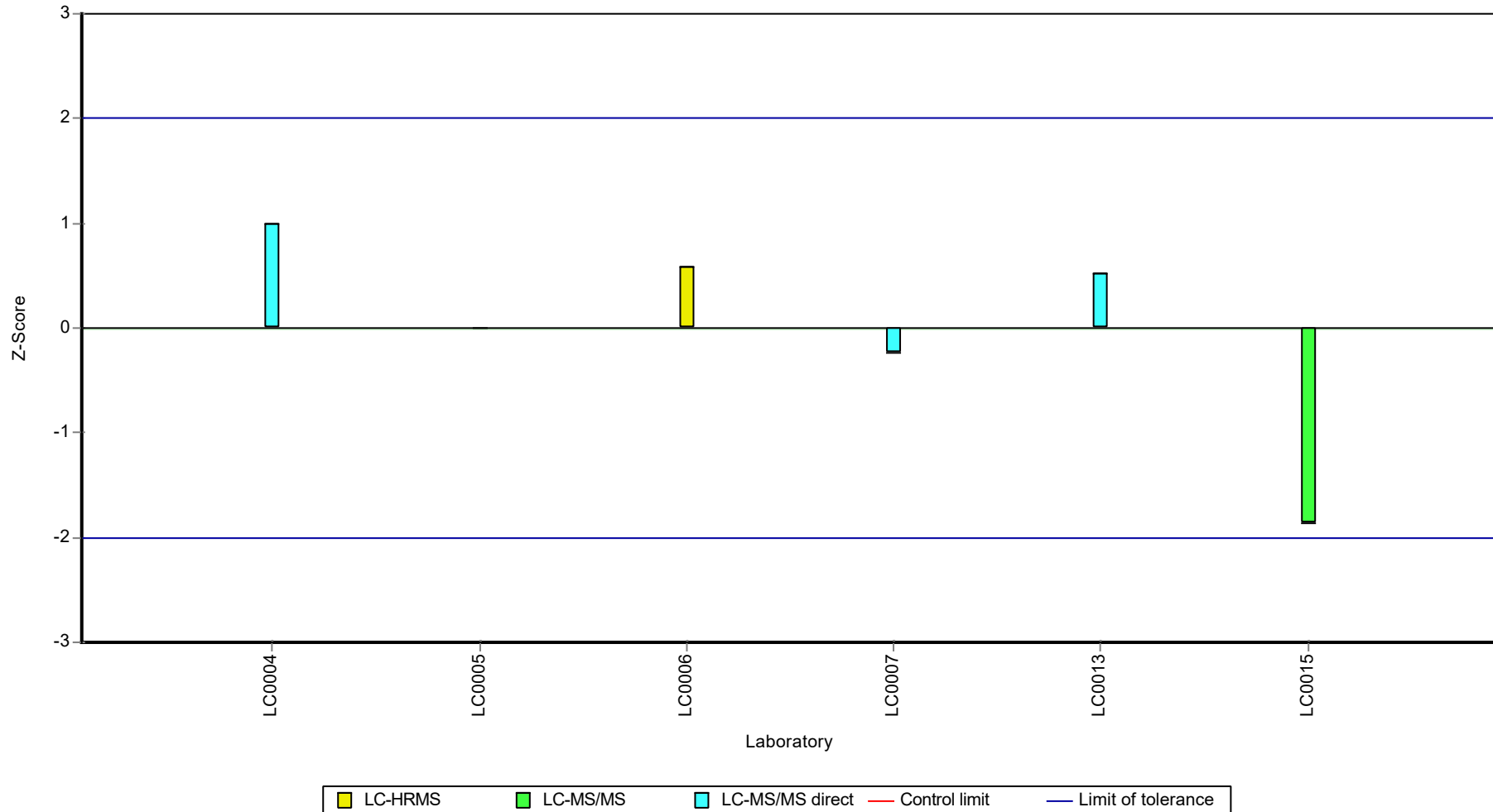




**Recovery rate**



Z-score



## Parameter oriented report

### AZ8 A

#### 4-Formylaminoantipyrine

Unit	µg/l
Assigned value ± U (k=2)	0.459 ± 0.035
Criterion	0.0431 (9.4 %)
Minimum - Maximum	0.389 - 0.511
Control test value ± U (k=2)	0.418 ± 0.0626

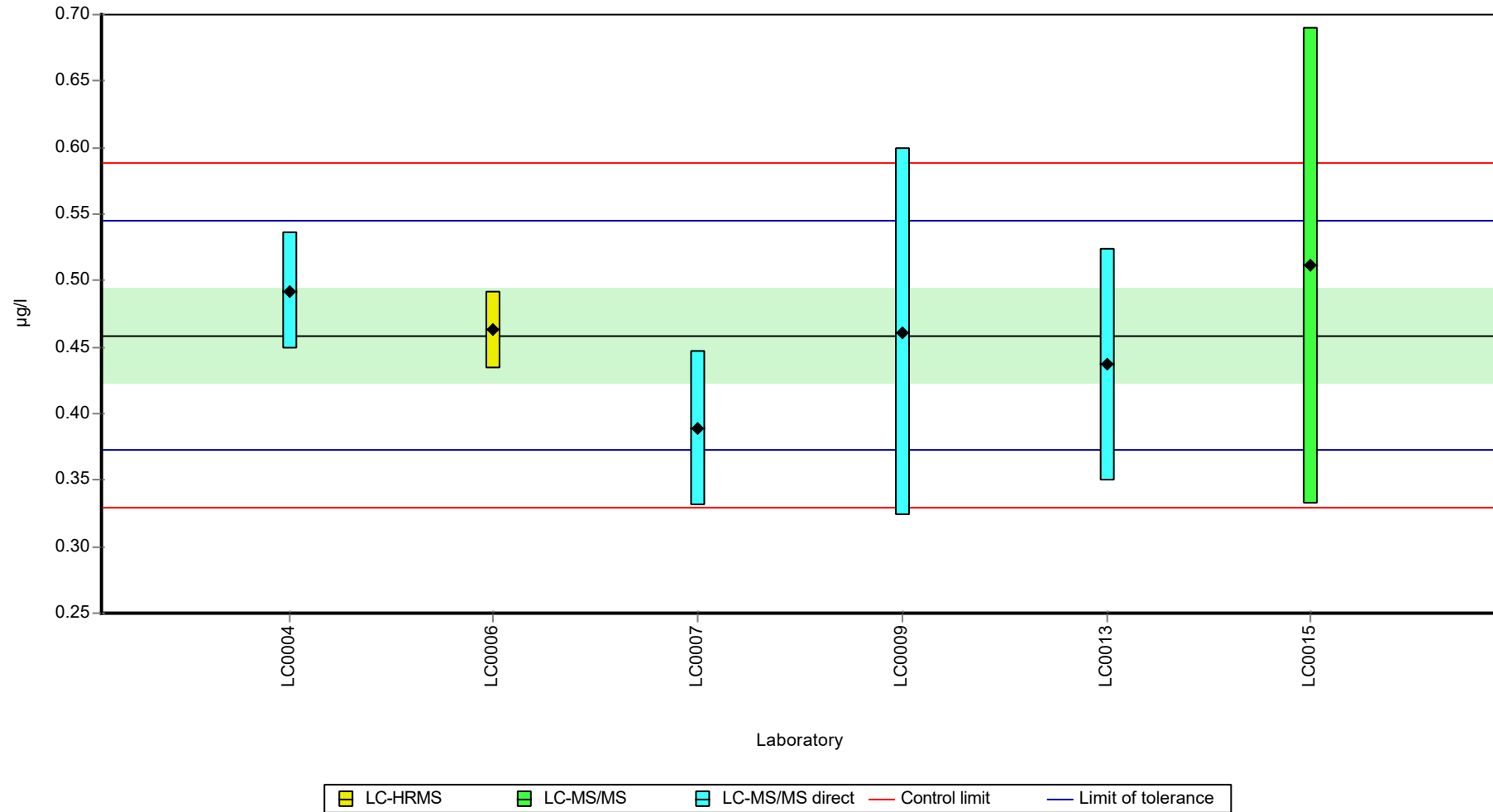
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	-	-	-	-	
LC0004	0.492	0.044	107	0.77	
LC0005	-	-	-	-	
LC0006	0.4627	0.0288	101	0.09	
LC0007	0.389	0.058	84.8	-1.62	
LC0008	-	-	-	-	
LC0009	0.461	0.138	100	0.05	
LC0010	-	-	-	-	
LC0011	-	-	-	-	
LC0012	-	-	-	-	
LC0013	0.437	0.0874	95.3	-0.51	
LC0014	-	-	-	-	
LC0015	0.511	0.179	111	1.21	
LC0016	-	-	-	-	
LC0017	-	-	-	-	
LC0018	-	-	-	-	
LC0019	-	-	-	-	
LC0020	-	-	-	-	
LC0021	-	-	-	-	

#### Characteristics of parameter

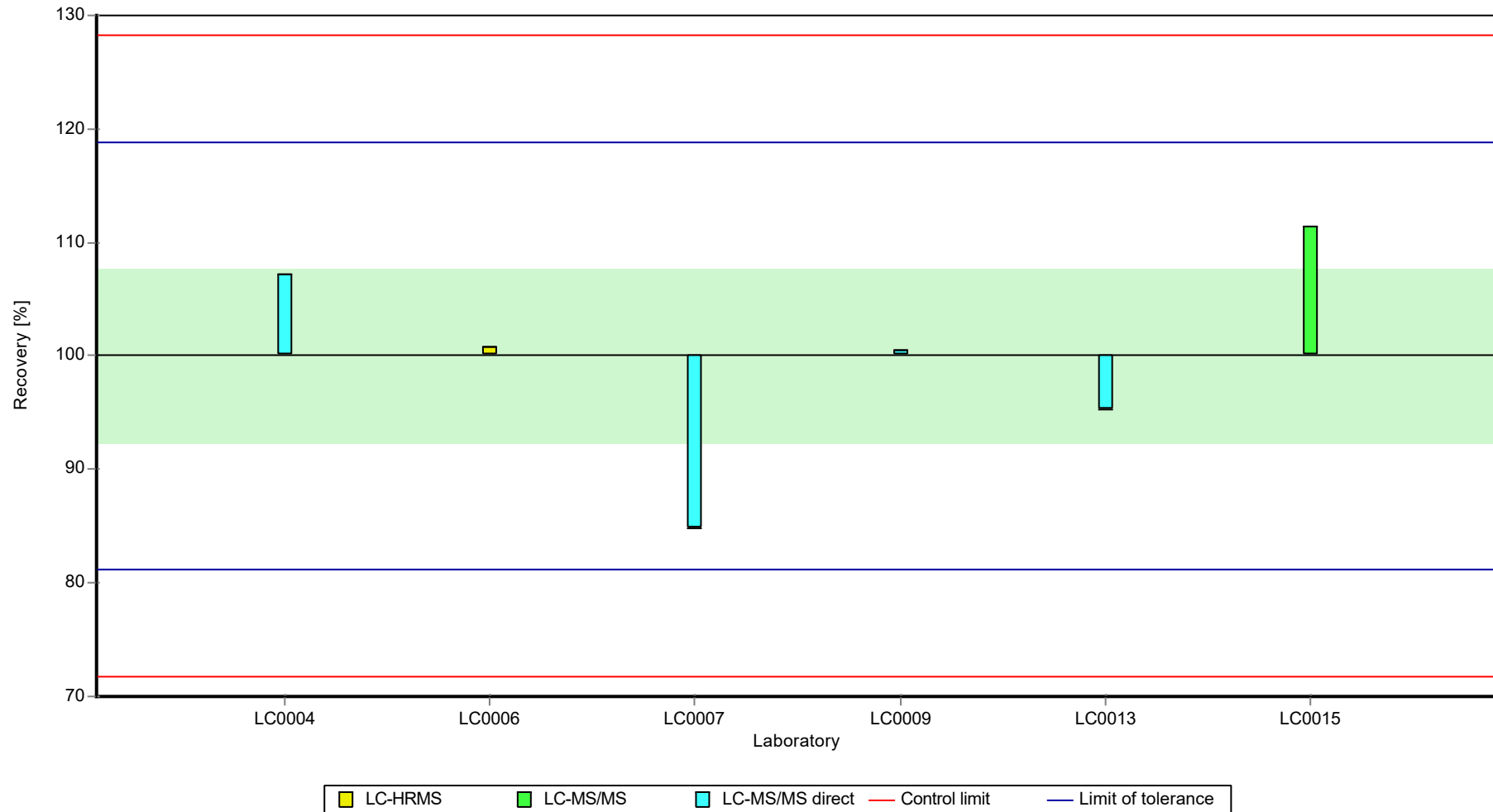
	all results	without outliers	Unit
Mean ± CI (99%)	0.459 ± 0.0525	0.459 ± 0.0525	µg/l
Minimum	0.389	0.389	µg/l
Maximum	0.511	0.511	µg/l
Standard deviation	0.0429	0.0429	µg/l
rel. standard deviation	9.35	9.35	%
n	6	6	-

Graphical presentation of results

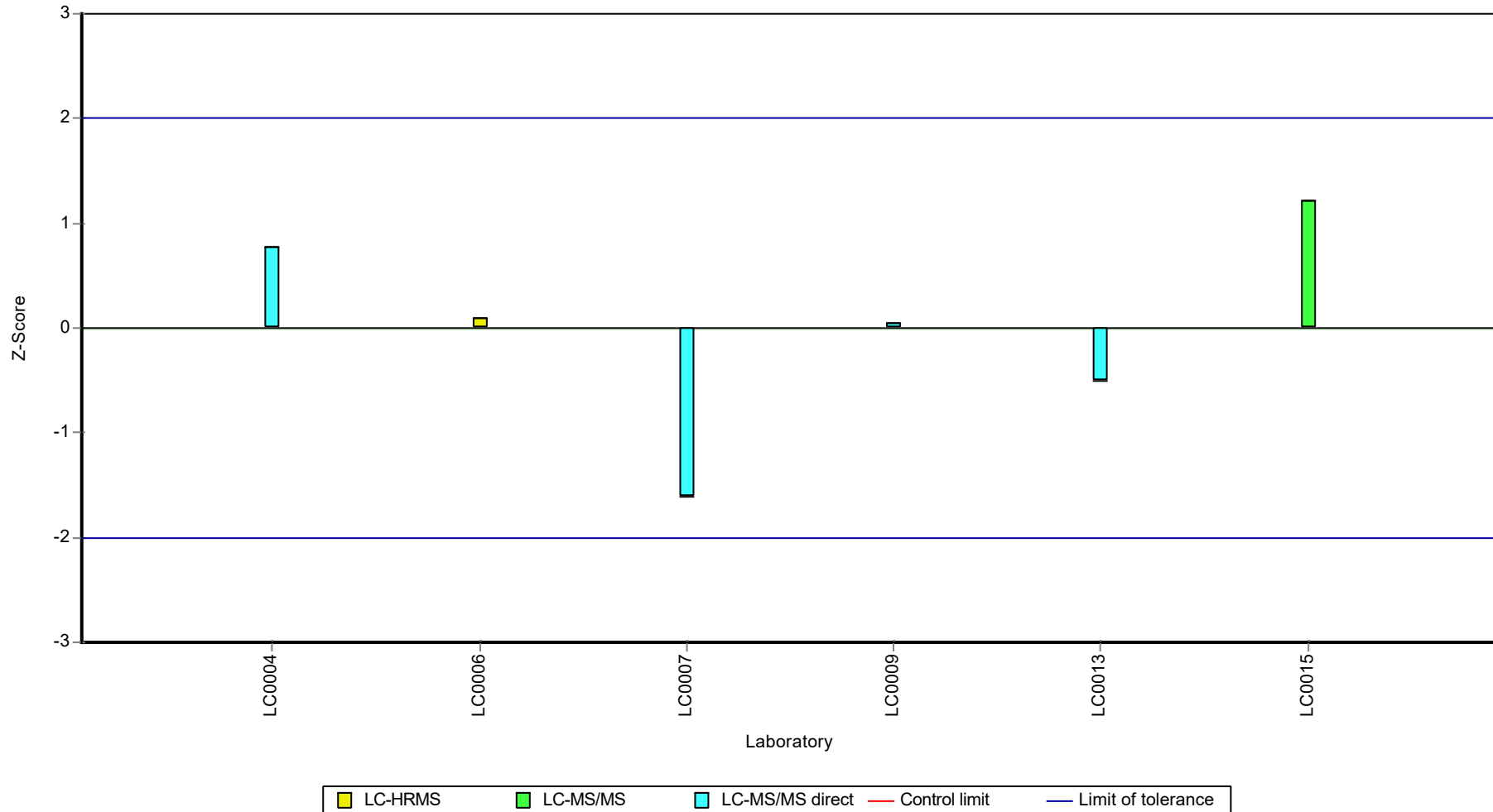
Results



**Recovery rate**



**Z-score**



Parameter oriented report Pharmaceuticals, Industrial  
Chemicals and Artificial Sweeteners - AZ8

Sample: AZ8B, Parameter: 4-Formylaminoantipyrine

## Parameter oriented report

### AZ8 B

#### 4-Formylaminoantipyrine

Unit  $\mu\text{g/l}$   
Assigned value  $\pm U$  (k=2) -  
Criterion -  
Minimum - Maximum 4.54 - 5.37  
Control test value  $\pm U$  (k=2)  $4.73 \pm 0.71$

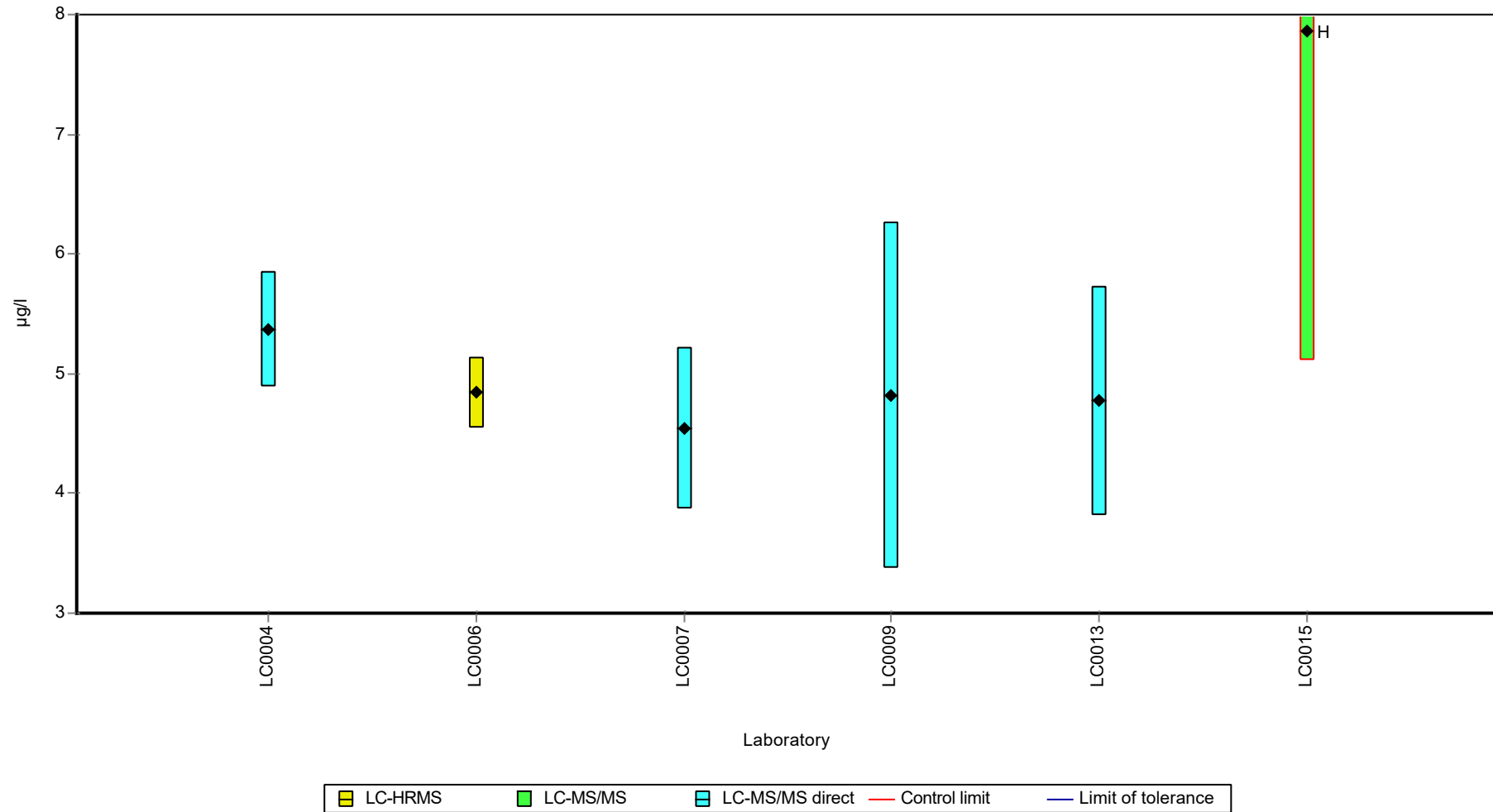
Labcode	Result	$\pm U$	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	-	-	-	-	
LC0004	5.373	0.485	-	-	
LC0005	-	-	-	-	
LC0006	4.84	0.3017	-	-	
LC0007	4.543	0.681	-	-	
LC0008	-	-	-	-	
LC0009	4.82	1.446	-	-	
LC0010	-	-	-	-	
LC0011	-	-	-	-	
LC0012	-	-	-	-	
LC0013	4.77	0.954	-	-	
LC0014	-	-	-	-	
LC0015	7.86	2.751	-	-	H
LC0016	-	-	-	-	
LC0017	-	-	-	-	
LC0018	-	-	-	-	
LC0019	-	-	-	-	
LC0020	-	-	-	-	
LC0021	-	-	-	-	

#### Characteristics of parameter

	all results	without outliers	Unit
Mean $\pm$ CI (99%)	$5.37 \pm 1.53$	-	$\mu\text{g/l}$
Minimum	4.54	4.54	$\mu\text{g/l}$
Maximum	7.86	5.37	$\mu\text{g/l}$
Standard deviation	1.25	-	$\mu\text{g/l}$
rel. standard deviation	23.3	-	%
n	6	5	-

Graphical presentation of results

Results





## Parameter oriented report

### AZ8 A

#### 10,11-Dihydro-10,11-Dihydroxycarbamazepine

Unit	µg/l
Assigned value ± U (k=2)	0.276 ± 0.025
Criterion	0.0332 (12 %)
Minimum - Maximum	0.223 - 0.317
Control test value ± U (k=2)	0.316 ± 0.0474

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	6.03	0.905	2180	173	H
LC0004	0.272	0.015	98.4	-0.13	
LC0005	-	-	-	-	
LC0006	0.3167	0.0368	115	1.22	
LC0007	0.272	0.041	98.4	-0.13	
LC0008	-	-	-	-	
LC0009	0.313	0.094	113	1.1	
LC0010	-	-	-	-	
LC0011	-	-	-	-	
LC0012	0.223	0.045	80.7	-1.61	
LC0013	0.252	0.0504	91.2	-0.73	
LC0014	-	-	-	-	
LC0015	-	-	-	-	
LC0016	-	-	-	-	
LC0017	-	-	-	-	
LC0018	0.286	0.006	103	0.29	
LC0019	-	-	-	-	
LC0020	-	-	-	-	
LC0021	-	-	-	-	

#### Characteristics of parameter

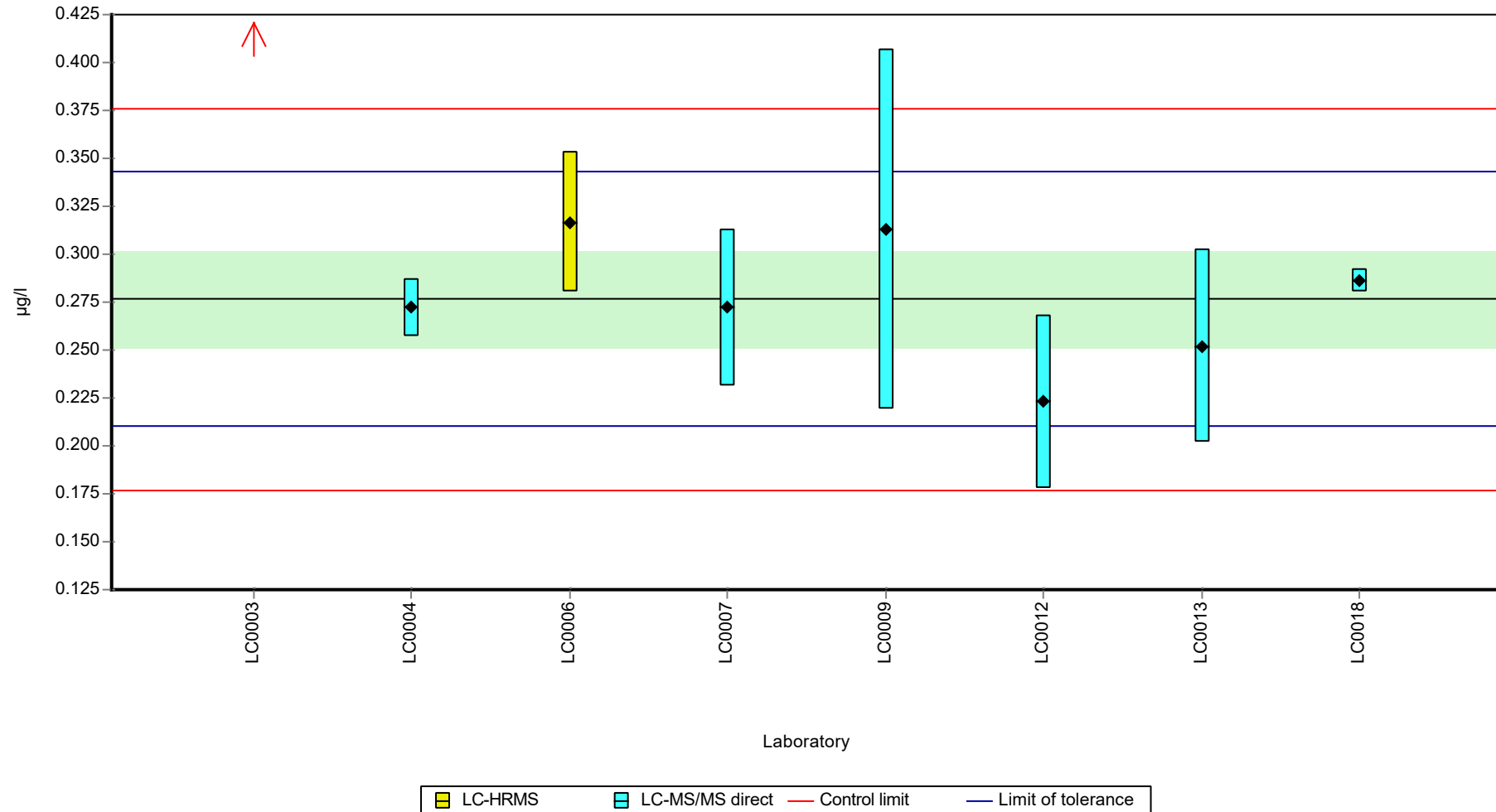
	all results	without outliers	Unit
Mean ± CI (99%)	0.996 ± 2.16	0.276 ± 0.0374	µg/l
Minimum	0.223	0.223	µg/l
Maximum	6.03	0.317	µg/l
Standard deviation	2.03	0.033	µg/l
rel. standard deviation	204	11.9	%
n	8	7	-

Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ8

Sample: AZ8A, Parameter: 10,11-Dihydro-10,11-Dihydroxycarbamazepine

Graphical presentation of results

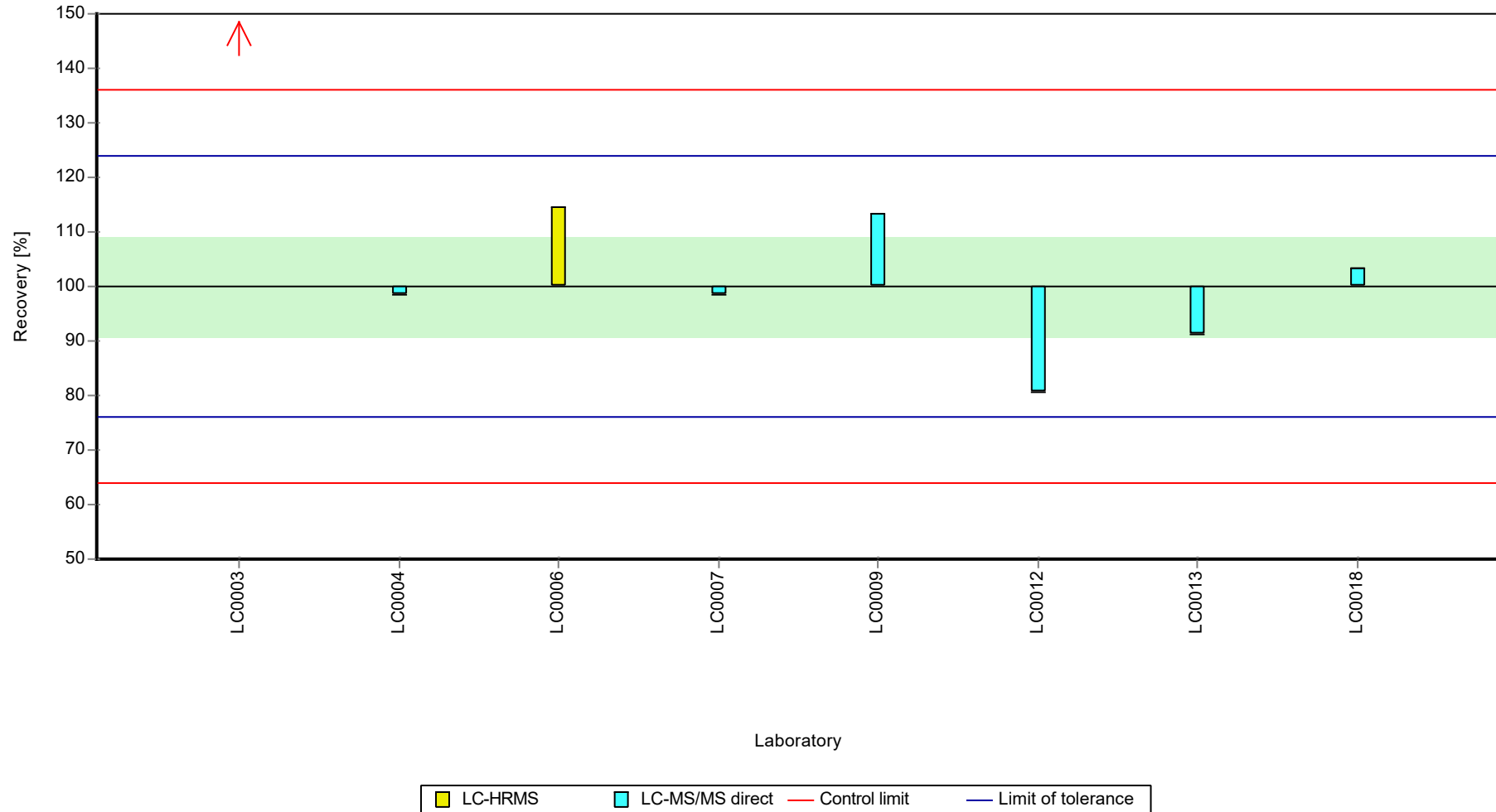
Results



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ8

Sample: AZ8A, Parameter: 10,11-Dihydro-10,11-Dihydroxycarbamazepine

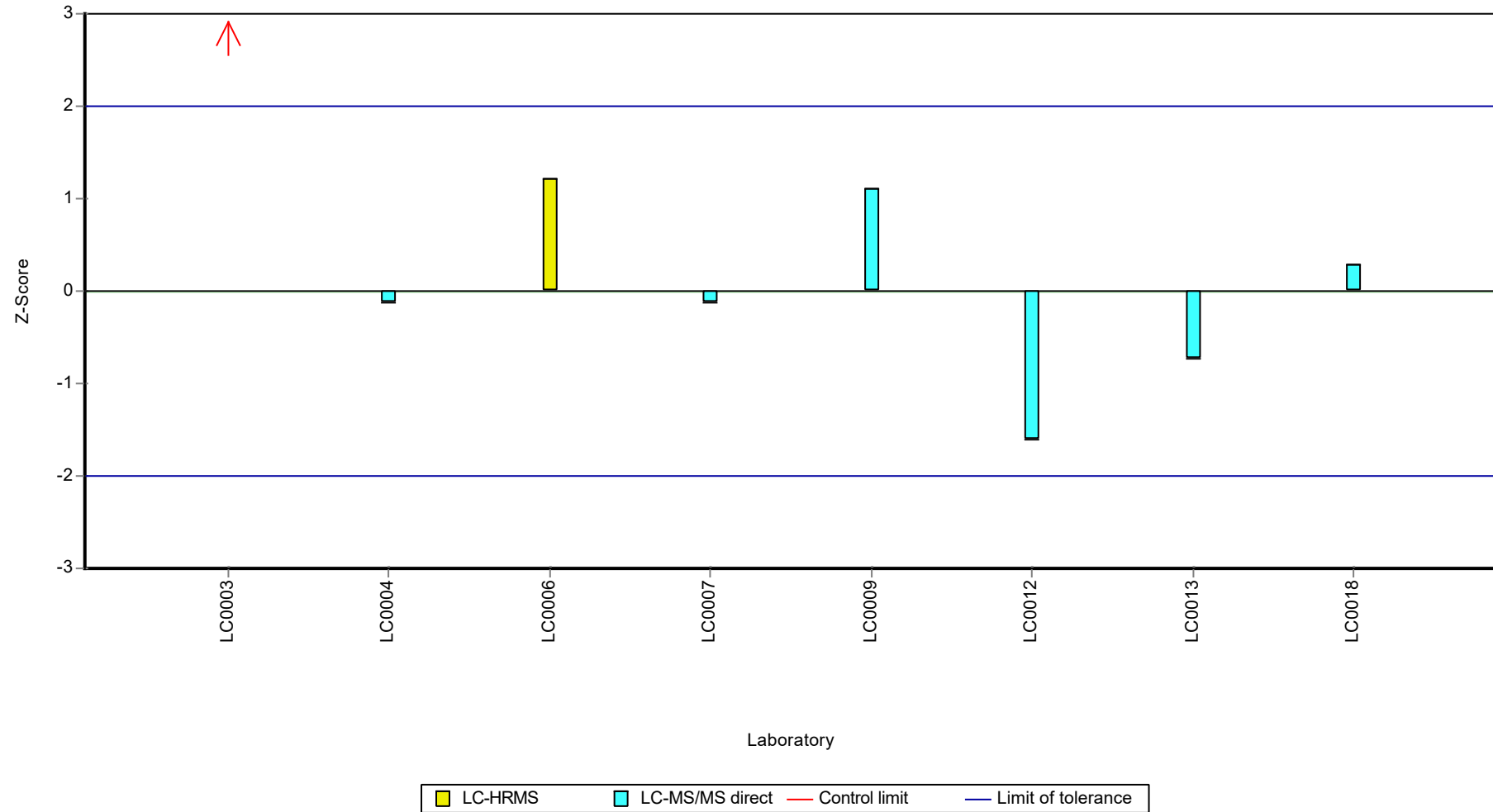
**Recovery rate**



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ8

Sample: AZ8A, Parameter: 10,11-Dihydro-10,11-Dihydroxycarbamazepine

**Z-score**



## Parameter oriented report

### AZ8 B

#### 10,11-Dihydro-10,11-Dihydroxycarbamazepine

Unit	µg/l
Assigned value ± U (k=2)	1.24 ± 0.0727
Criterion	0.0891 (7.2 %)
Minimum - Maximum	1.11 - 1.36
Control test value ± U (k=2)	1.44 ± 0.216

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	4.97	0.746	402	41.9	H
LC0004	1.17	0.063	94.6	-0.76	
LC0005	-	-	-	-	
LC0006	1.2933	0.1504	105	0.63	
LC0007	1.239	0.186	100	0.02	
LC0008	-	-	-	-	
LC0009	1.362	0.409	110	1.4	
LC0010	-	-	-	-	
LC0011	-	-	-	-	
LC0012	0.71	0.14	57.4	-5.92	H
LC0013	1.25	0.25	101	0.14	
LC0014	-	-	-	-	
LC0015	-	-	-	-	
LC0016	-	-	-	-	
LC0017	-	-	-	-	
LC0018	1.11	0.022	89.7	-1.43	
LC0019	-	-	-	-	
LC0020	-	-	-	-	
LC0021	-	-	-	-	

#### Characteristics of parameter

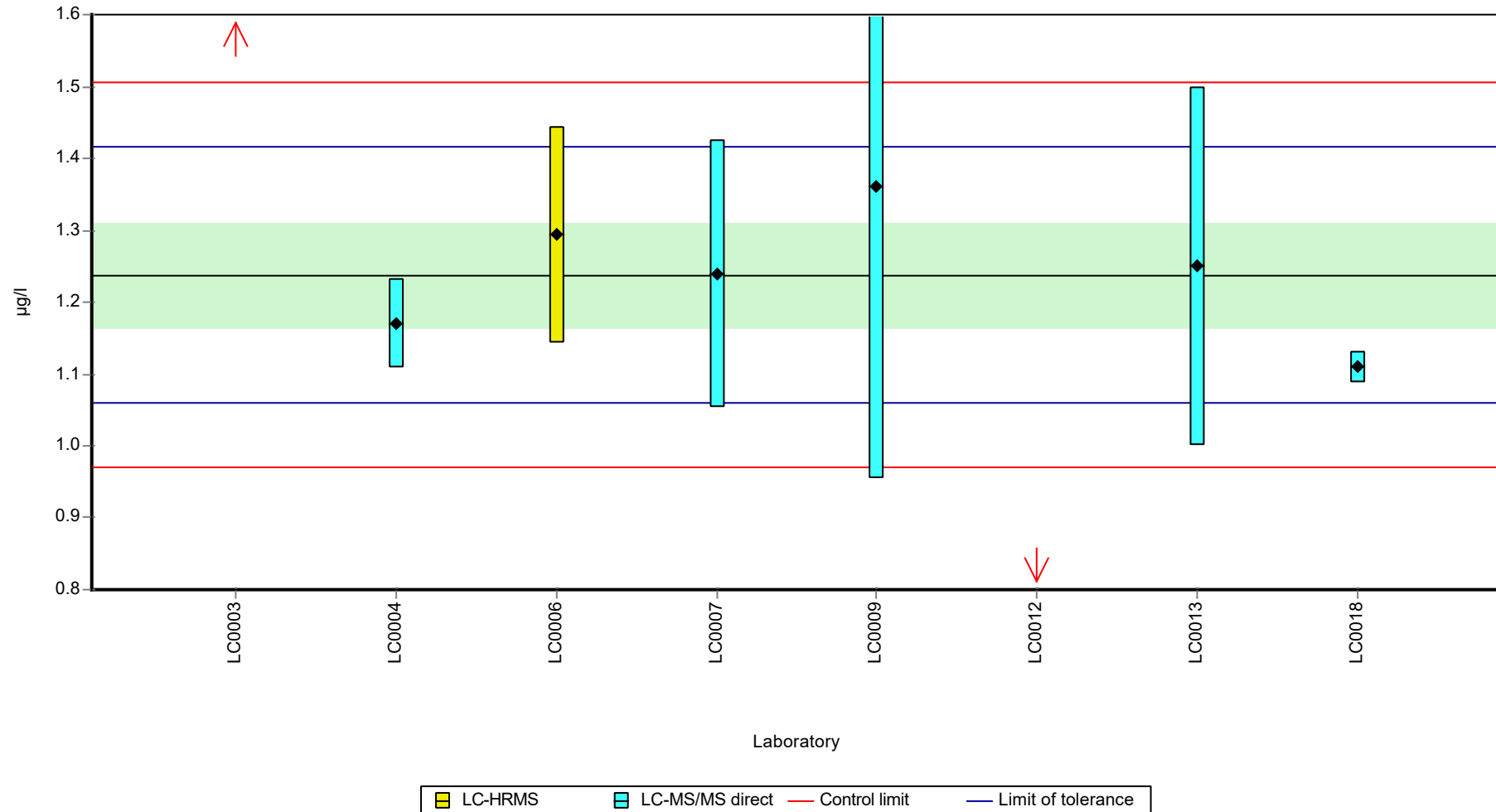
	all results	without outliers	Unit
Mean ± CI (99%)	1.64 ± 1.44	1.24 ± 0.109	µg/l
Minimum	0.71	1.11	µg/l
Maximum	4.97	1.36	µg/l
Standard deviation	1.36	0.089	µg/l
rel. standard deviation	83.1	7.19	%
n	8	6	-

Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ8

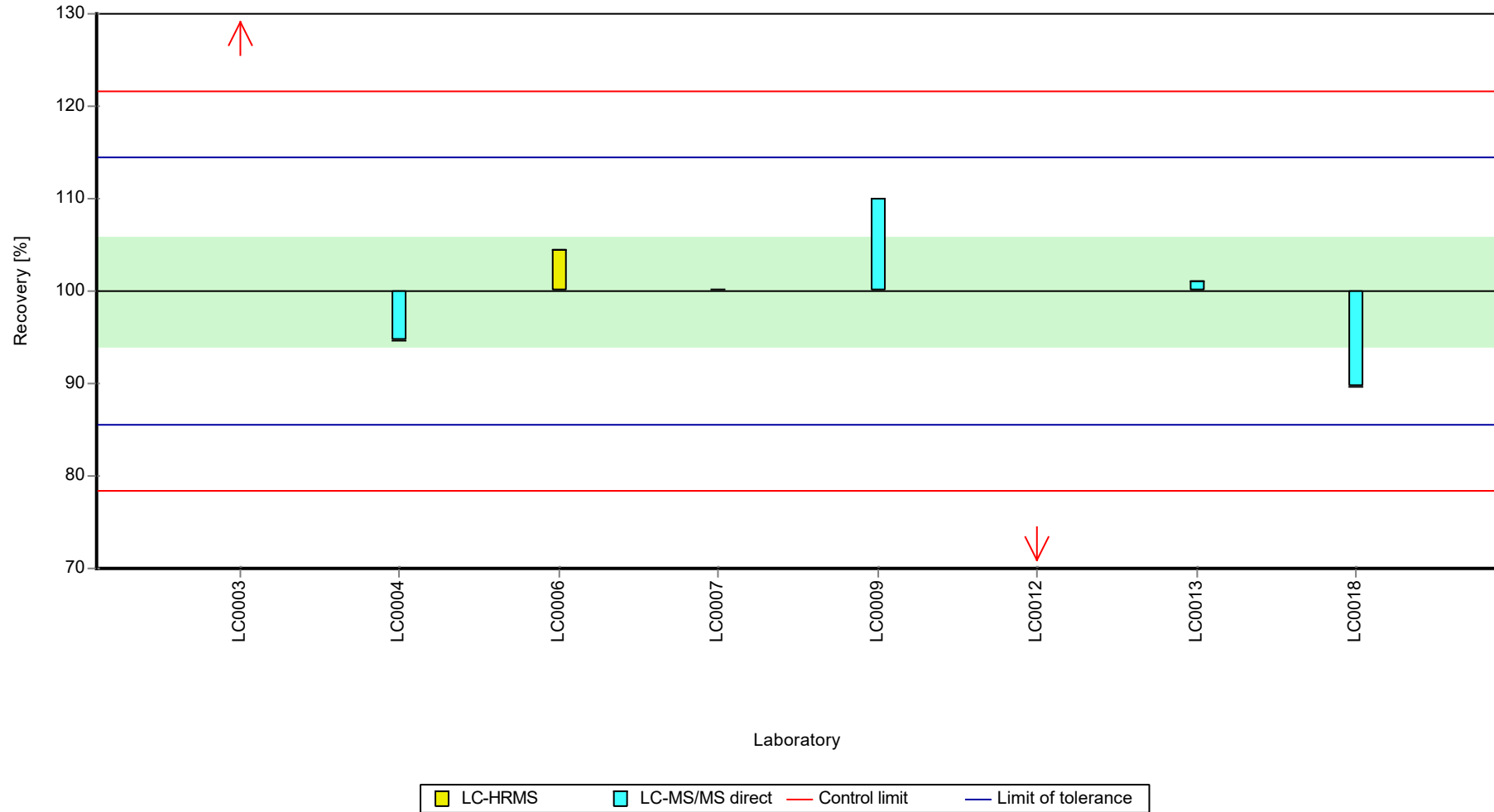
Sample: AZ8B, Parameter: 10,11-Dihydro-10,11-Dihydroxycarbamazepine

Graphical presentation of results

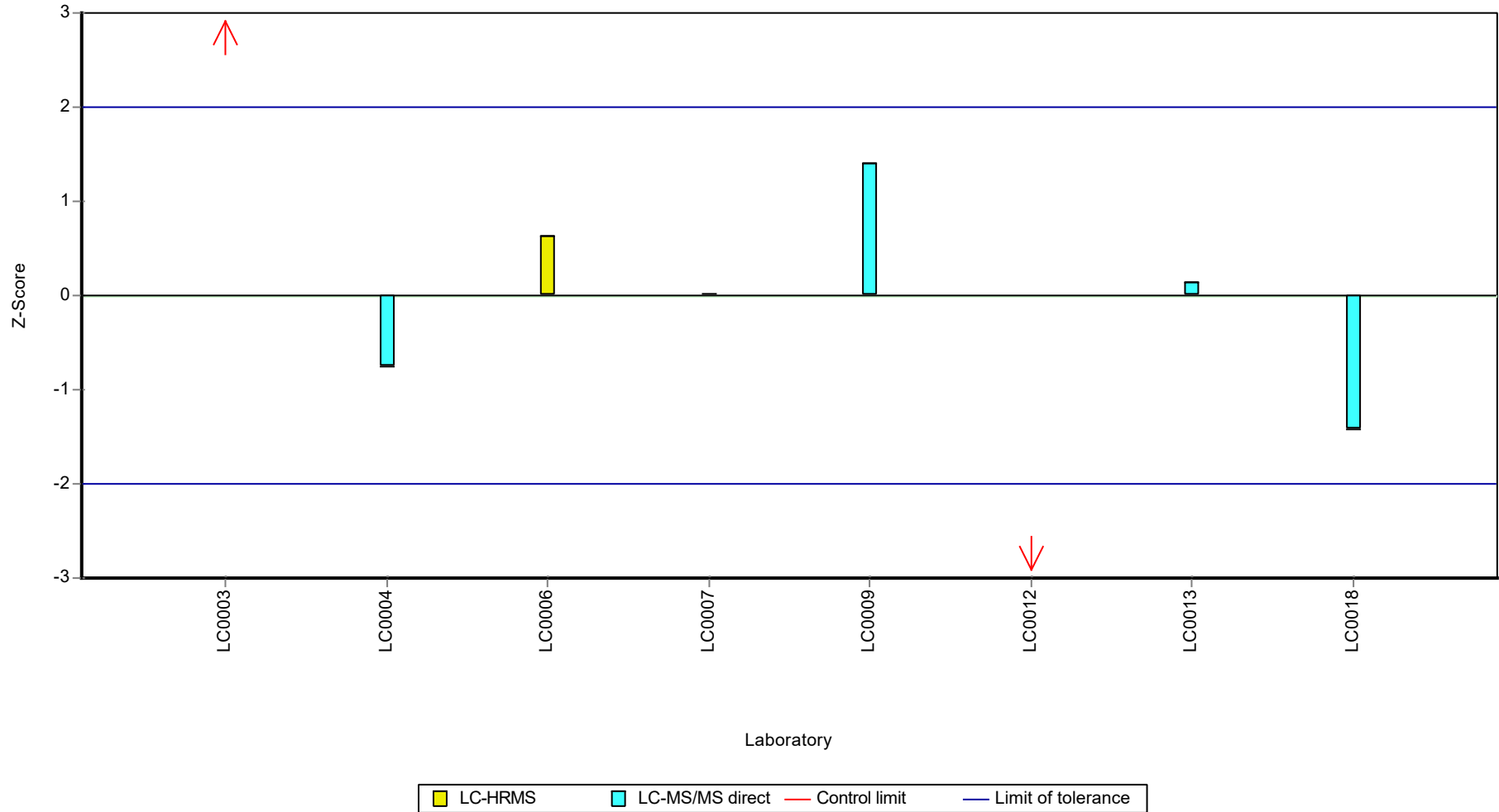
Results



**Recovery rate**



Z-score





## Parameter oriented report

### AZ8 A

#### Acesulfame

Unit	µg/l
Assigned value ± U (k=2)	1.12 ± 0.0581
Criterion	0.19 (17 %)
Minimum - Maximum	0.972 - 1.33
Control test value ± U (k=2)	1.27 ± 0.253

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	1.26	0.245	113	0.75	
LC0003	1.12	0.168	100	0.01	
LC0004	-	-	-	-	
LC0005	#1.088	0.272	97.4	-0.15	
LC0006	0.9853	0.1172	88.2	-0.69	
LC0007	1.201	0.18	107	0.44	
LC0008	1.333	0.066	119	1.13	
LC0009	1.03	0.14	92.2	-0.46	
LC0010	1.066	0.192	95.4	-0.27	
LC0011	0.456	0.21	40.8	-3.48	H
LC0012	1.08	0.27	96.7	-0.2	
LC0013	1.1	0.22	98.4	-0.09	
LC0014	0.972	0.3	87	-0.77	
LC0015	0.624	0.218	55.8	-2.6	H
LC0016	1.26	0.189	113	0.75	
LC0017	-	-	-	-	
LC0018	1.12	0.23	100	0.01	
LC0019	1.0283	0.0181	92	-0.47	
LC0020	-	-	-	-	
LC0021	-	-	-	-	

#Input error (missing comma) was corrected after consultation (2021-04-21 10:38)

#### Characteristics of parameter

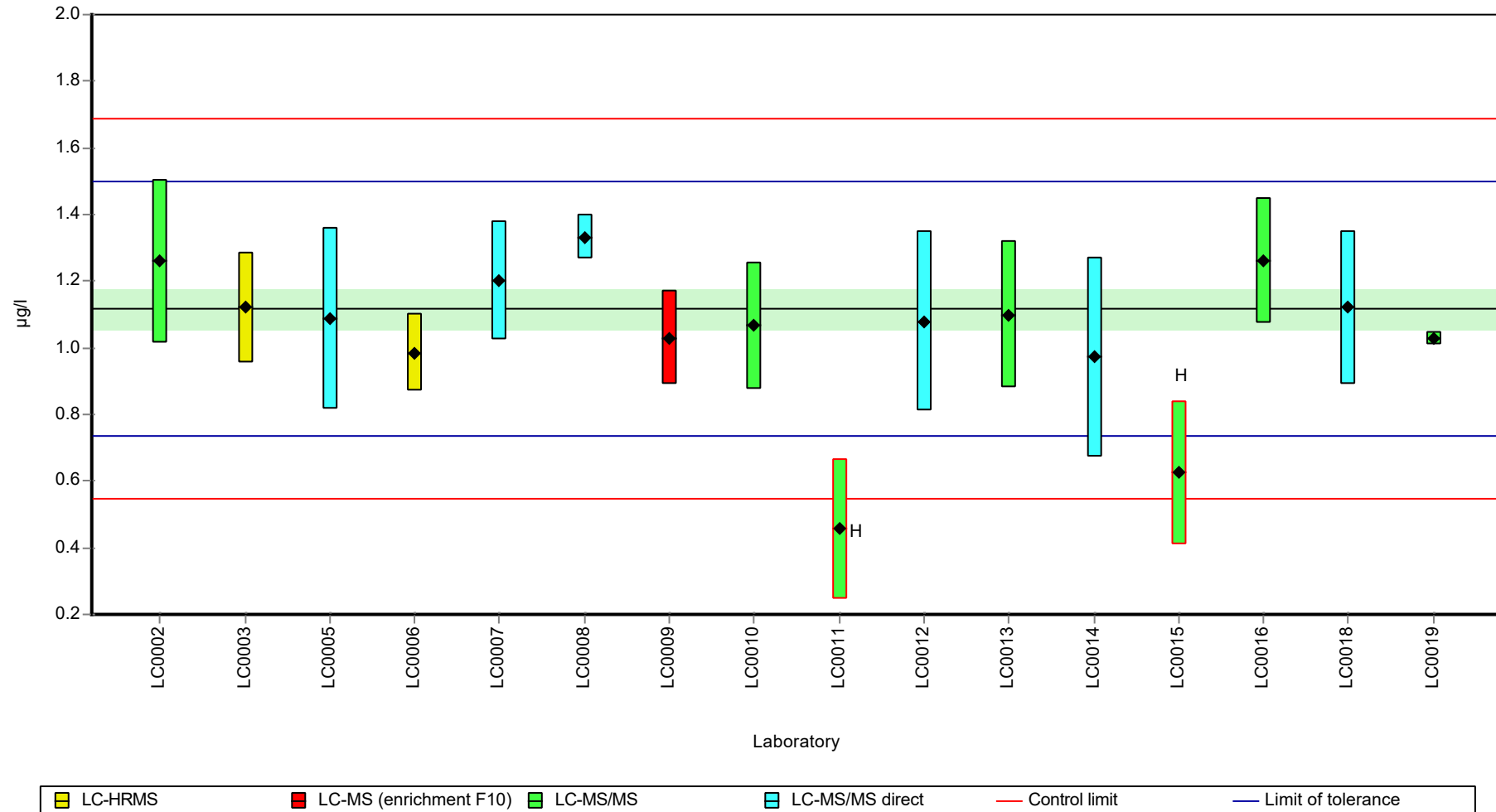
	all results	without outliers	Unit
Mean ± CI (99%)	1.05 ± 0.168	1.12 ± 0.0871	µg/l
Minimum	0.456	0.972	µg/l
Maximum	1.33	1.33	µg/l
Standard deviation	0.224	0.109	µg/l
rel. standard deviation	21.4	9.73	%
n	16	14	-

Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ8

Sample: AZ8A, Parameter: Acesulfame

Graphical presentation of results

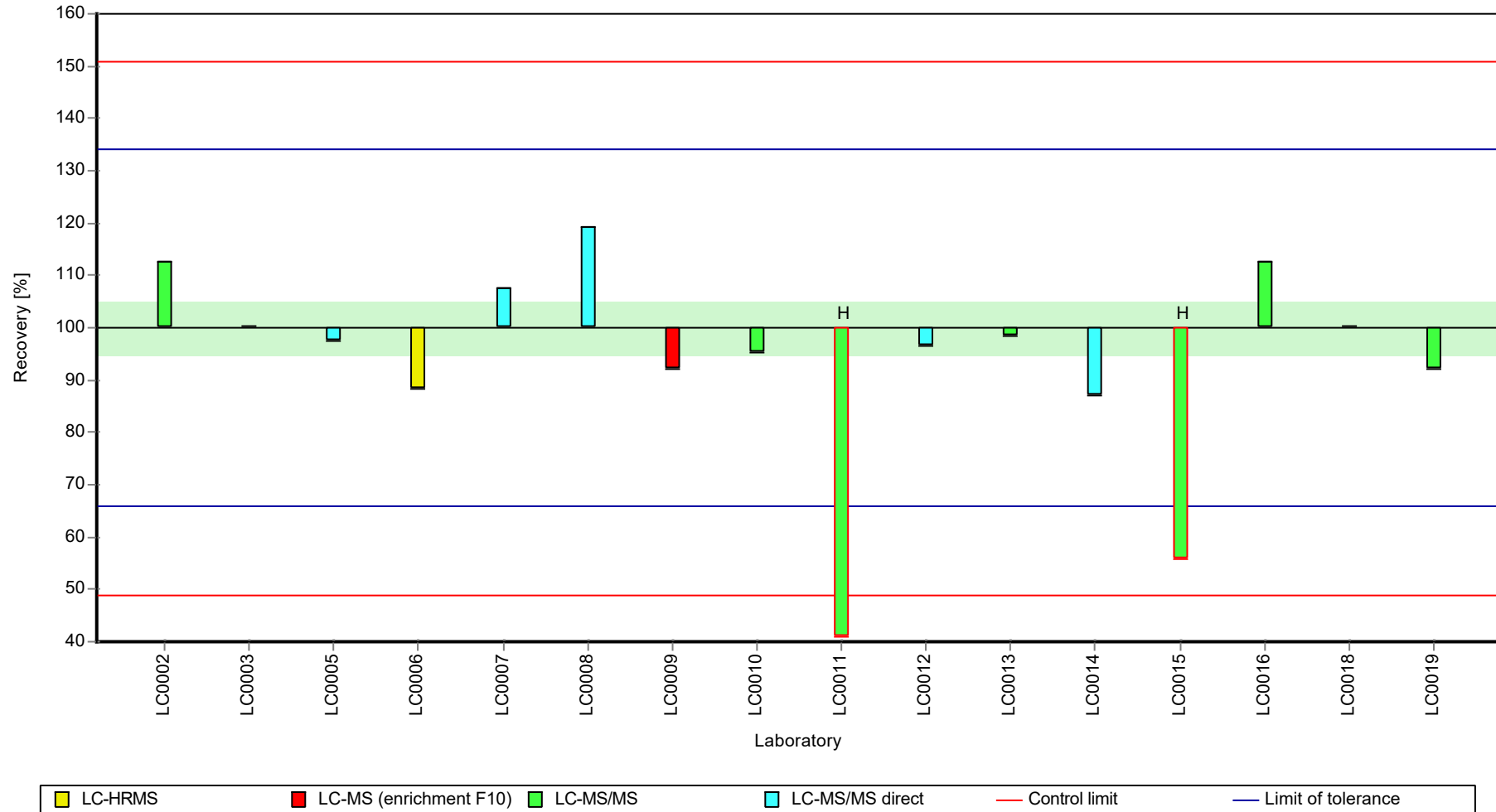
Results



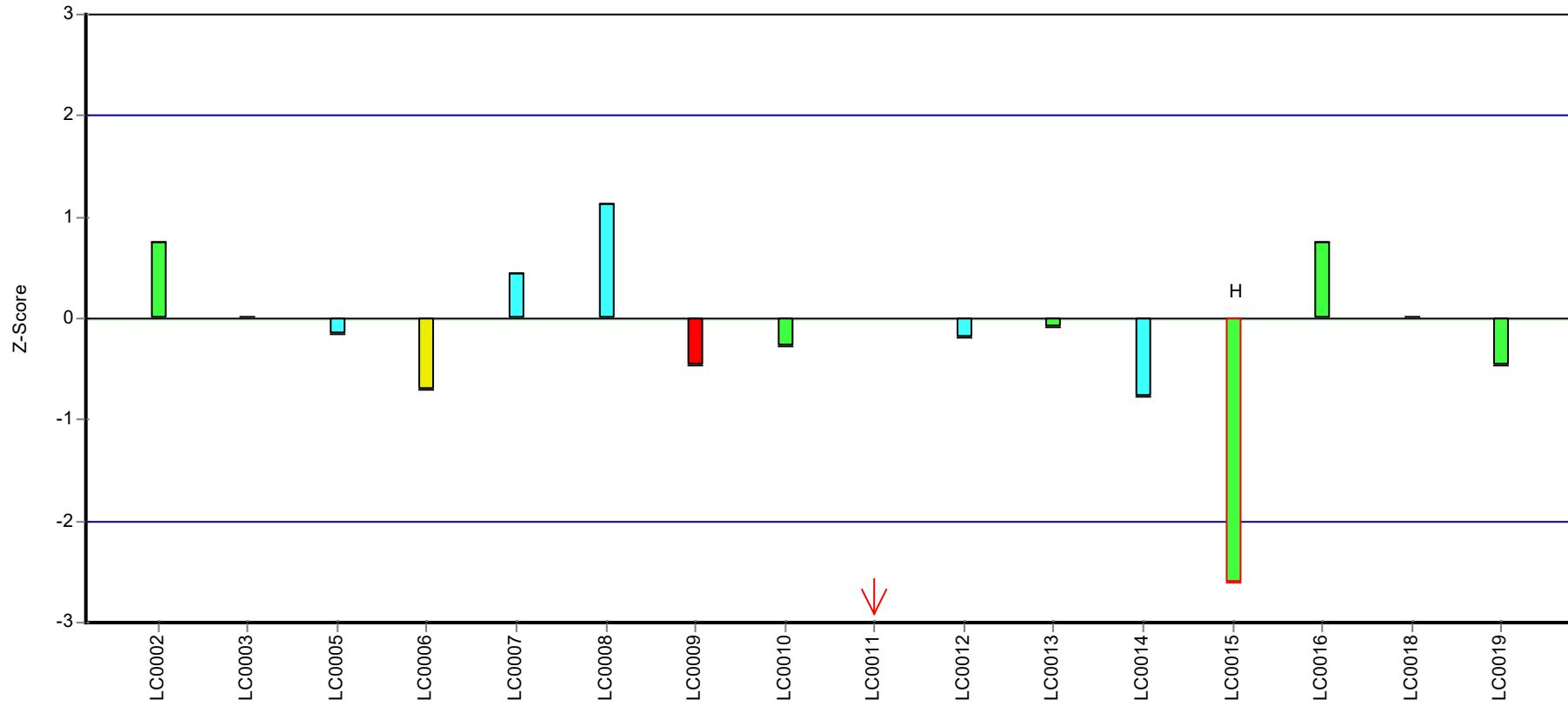
Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ8

Sample: AZ8A, Parameter: Acesulfame

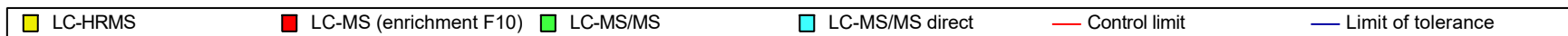
**Recovery rate**



Z-score



Laboratory



## Parameter oriented report

### AZ8 B

#### Acesulfame

Unit	µg/l
Assigned value ± U (k=2)	18.8 ± 1.44
Criterion	3.2 (17 %)
Minimum - Maximum	13.8 - 22.5
Control test value ± U (k=2)	22.7 ± 4.53

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	21.8	4.24	116	0.93	
LC0003	>6.0	-	-	-	
LC0004	-	-	-	-	
LC0005	16.141	4.035	85.8	-0.83	
LC0006	19.9867	2.3771	106	0.37	
LC0007	20.47	3.07	109	0.52	
LC0008	21.833	1.776	116	0.94	
LC0009	17.106	2.321	90.9	-0.53	
LC0010	17.55	3.16	93.3	-0.4	
LC0011	-	-	-	-	
LC0012	17.5	4.37	93	-0.41	
LC0013	20.4	4.08	108	0.5	
LC0014	-	-	-	-	
LC0015	13.797	4.829	73.3	-1.57	
LC0016	22.5	3.375	120	1.15	
LC0017	-	-	-	-	
LC0018	18.6	0.37	98.9	-0.07	
LC0019	16.87295	0.297	89.7	-0.61	
LC0020	-	-	-	-	
LC0021	-	-	-	-	

#### Characteristics of parameter

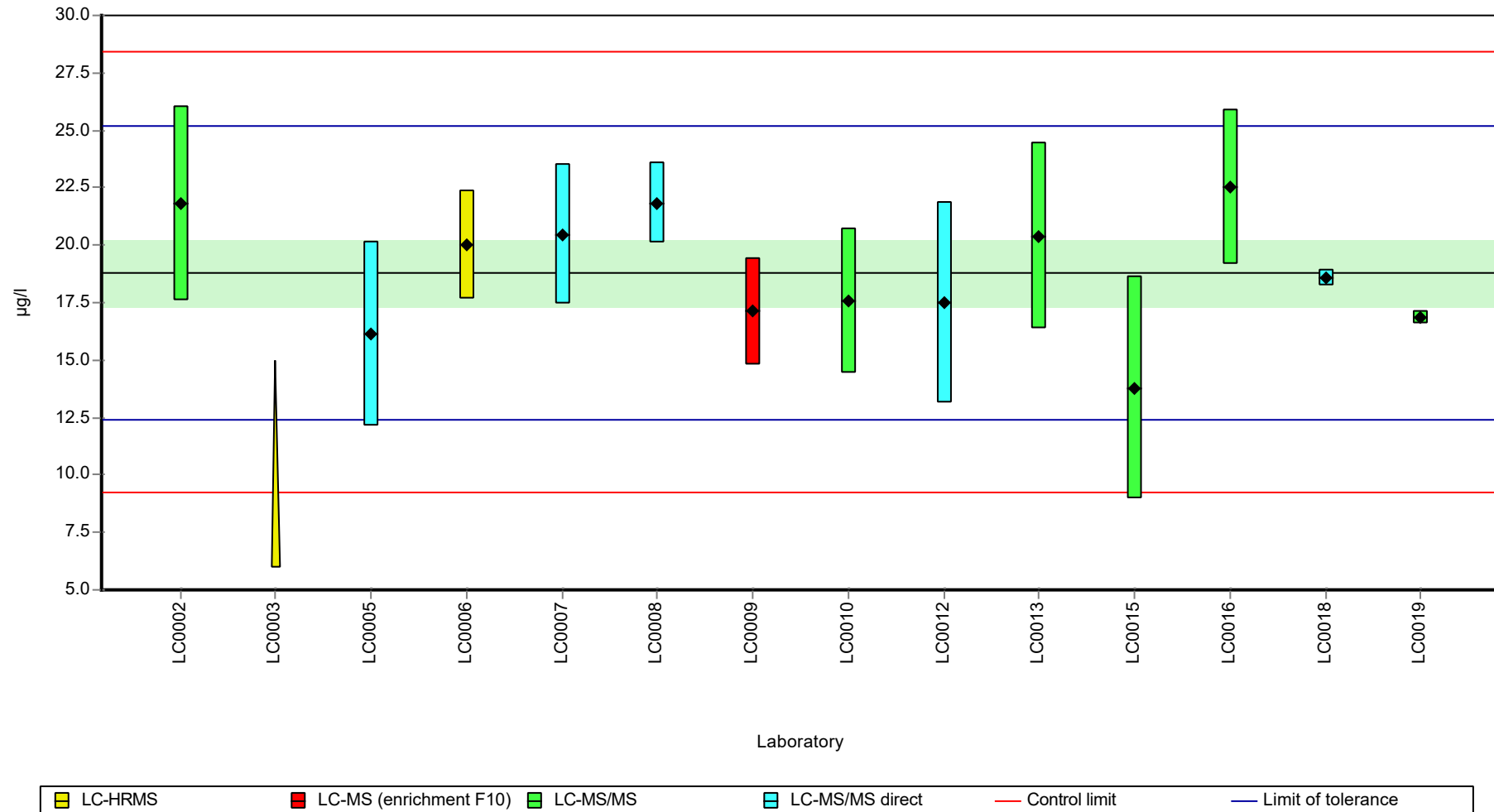
	all results	without outliers	Unit
Mean ± CI (99%)	18.8 ± 2.16	18.8 ± 2.16	µg/l
Minimum	13.8	13.8	µg/l
Maximum	22.5	22.5	µg/l
Standard deviation	2.59	2.59	µg/l
rel. standard deviation	13.8	13.8	%
n	13	13	-

Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ8

Sample: AZ8B, Parameter: Acesulfame

Graphical presentation of results

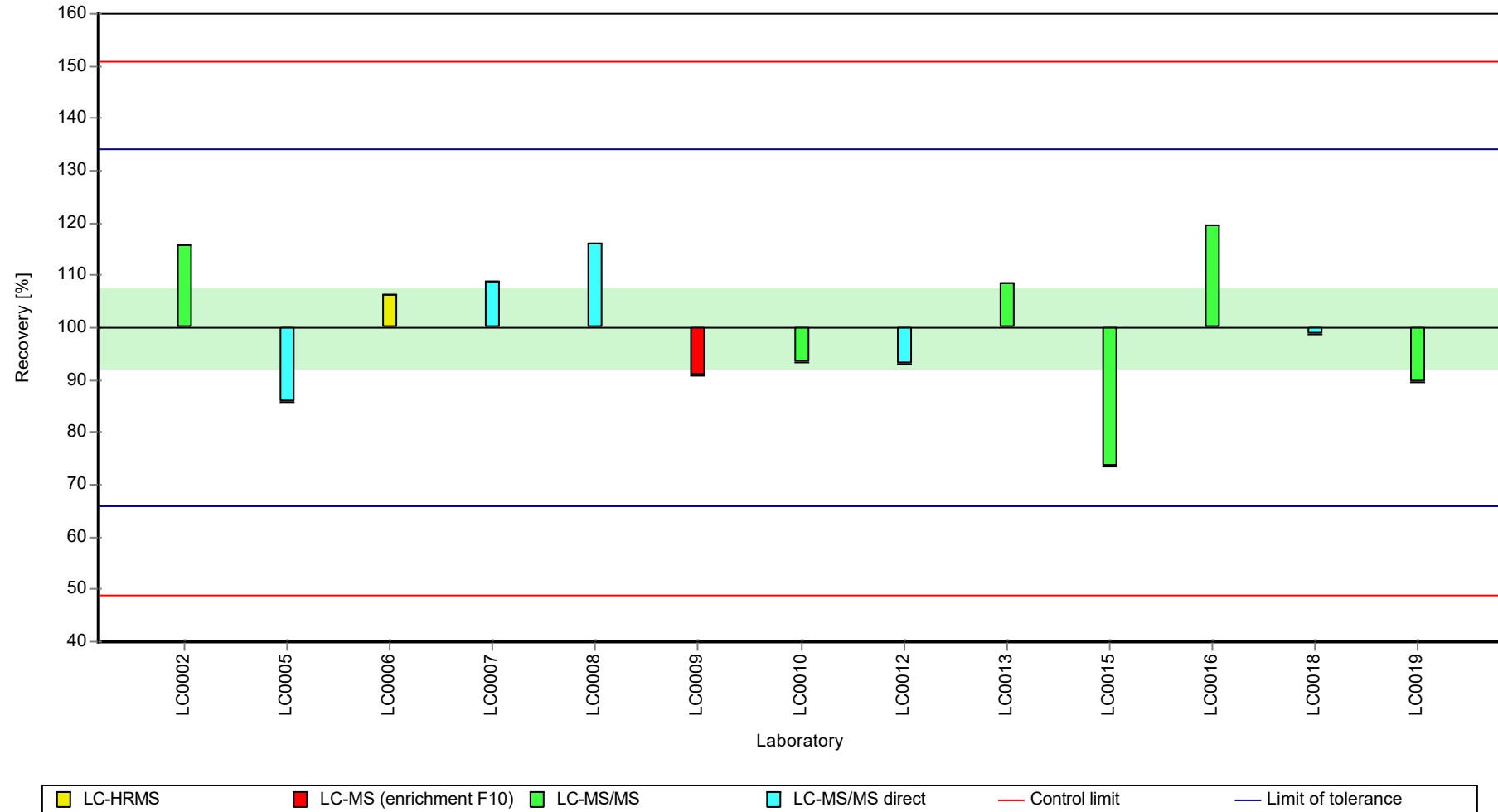
Results



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ8

Sample: AZ8B, Parameter: Acesulfame

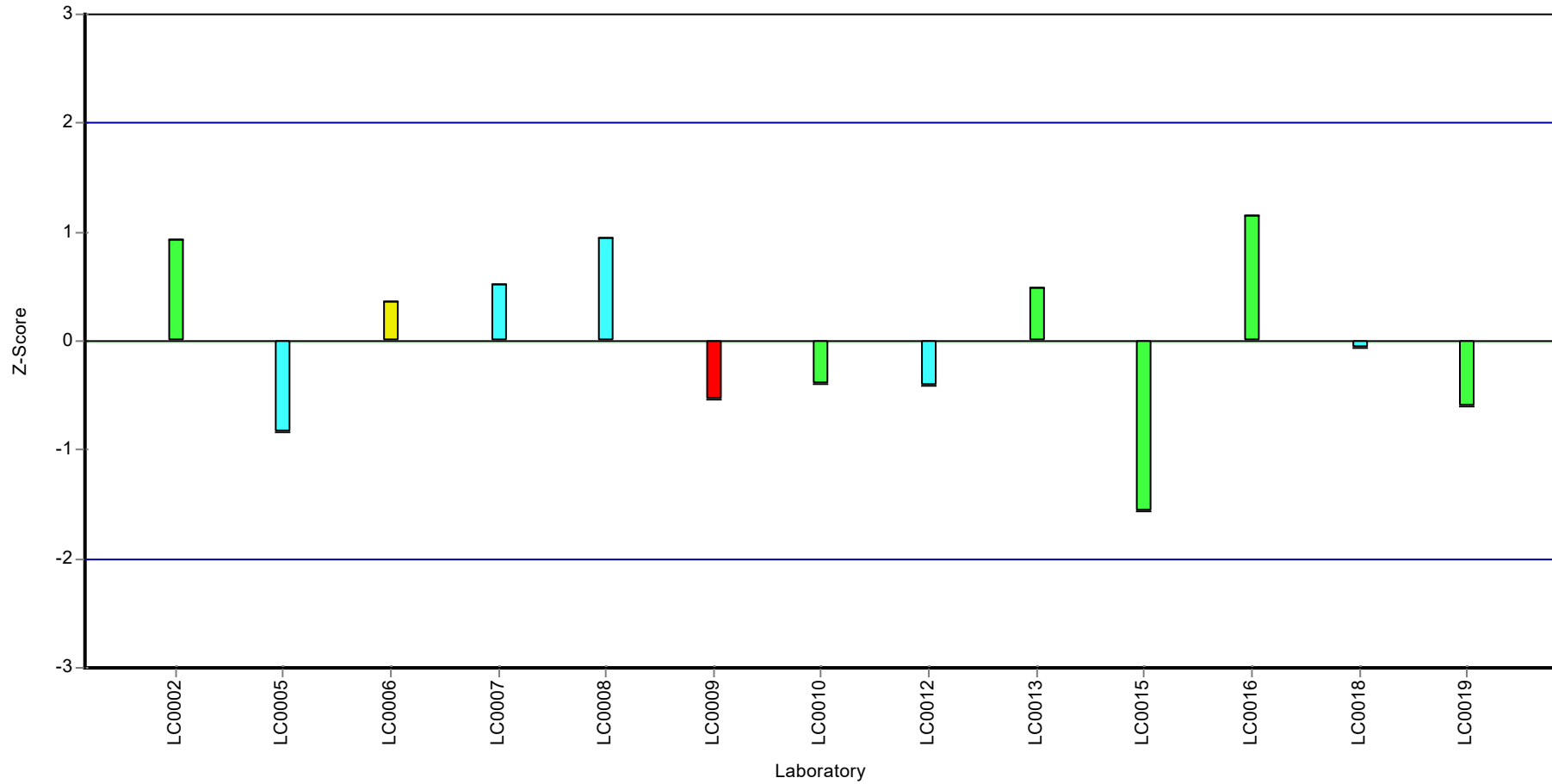
**Recovery rate**



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ8

Sample: AZ8B, Parameter: Acesulfame

**Z-score**





## Parameter oriented report

### AZ8 A

#### Amidotrizoic acid

Unit	µg/l
Assigned value ± U (k=2)	0.626 ± 0.0895
Criterion	0.157 (25 %)
Minimum - Maximum	0.398 - 0.857
Control test value ± U (k=2)	0.735 ± 0.11

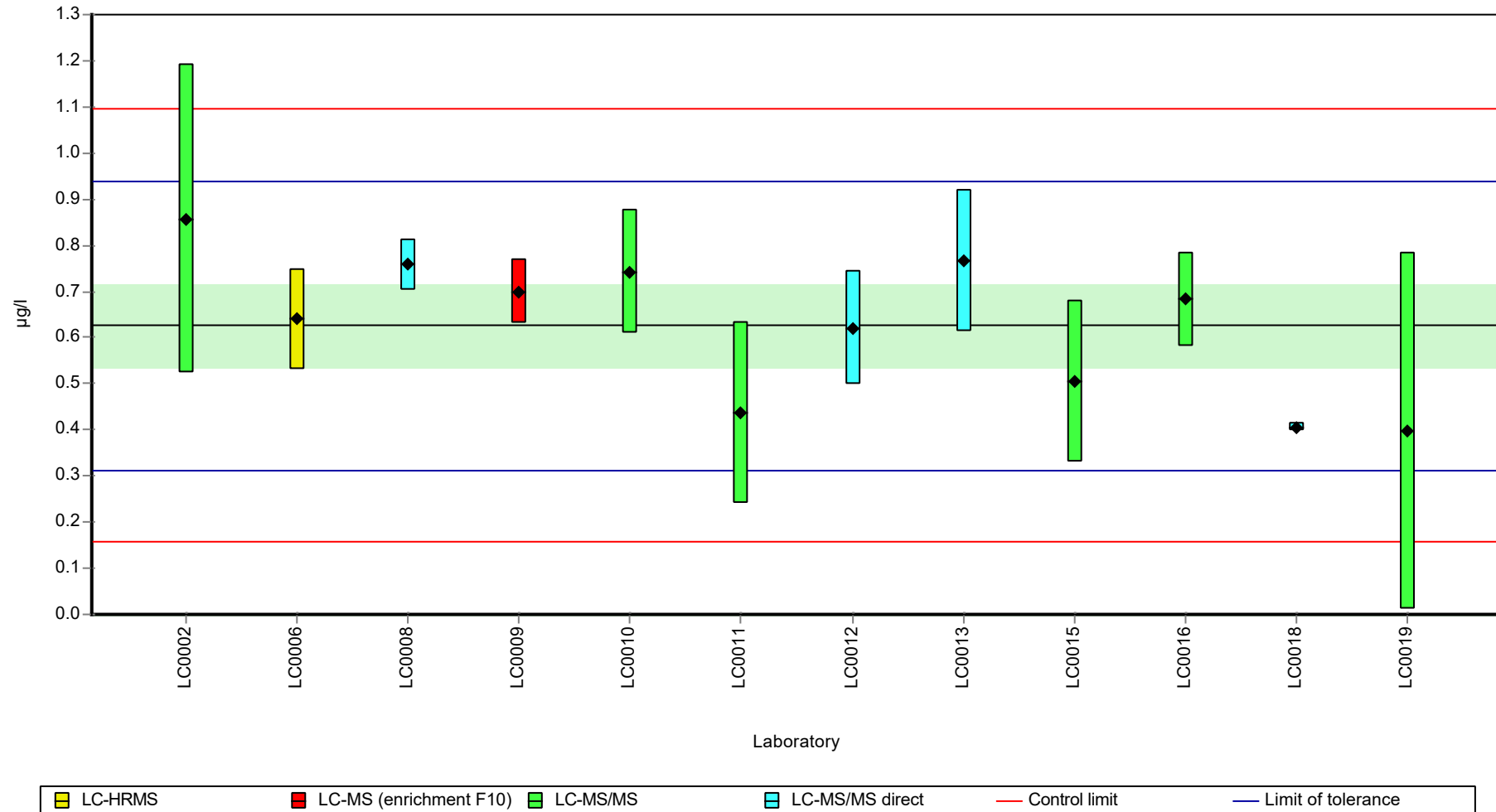
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	0.857	0.335	137	1.47	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	-	-	-	-	
LC0006	0.6393	0.1077	102	0.08	
LC0007	-	-	-	-	
LC0008	0.758	0.056	121	0.84	
LC0009	0.7	0.07	112	0.47	
LC0010	0.743	0.134	119	0.75	
LC0011	0.437	0.197	69.8	-1.21	
LC0012	0.621	0.124	99.2	-0.03	
LC0013	0.767	0.153	122	0.9	
LC0014	-	-	-	-	
LC0015	0.505	0.177	80.7	-0.77	
LC0016	0.683	0.102	109	0.36	
LC0017	-	-	-	-	
LC0018	0.406	0.01	64.8	-1.41	
LC0019	0.3975	0.3856	63.5	-1.46	
LC0020	-	-	-	-	
LC0021	-	-	-	-	

#### Characteristics of parameter

	all results	without outliers	Unit
Mean ± CI (99%)	0.626 ± 0.134	0.626 ± 0.134	µg/l
Minimum	0.398	0.398	µg/l
Maximum	0.857	0.857	µg/l
Standard deviation	0.155	0.155	µg/l
rel. standard deviation	24.8	24.8	%
n	12	12	-

Graphical presentation of results

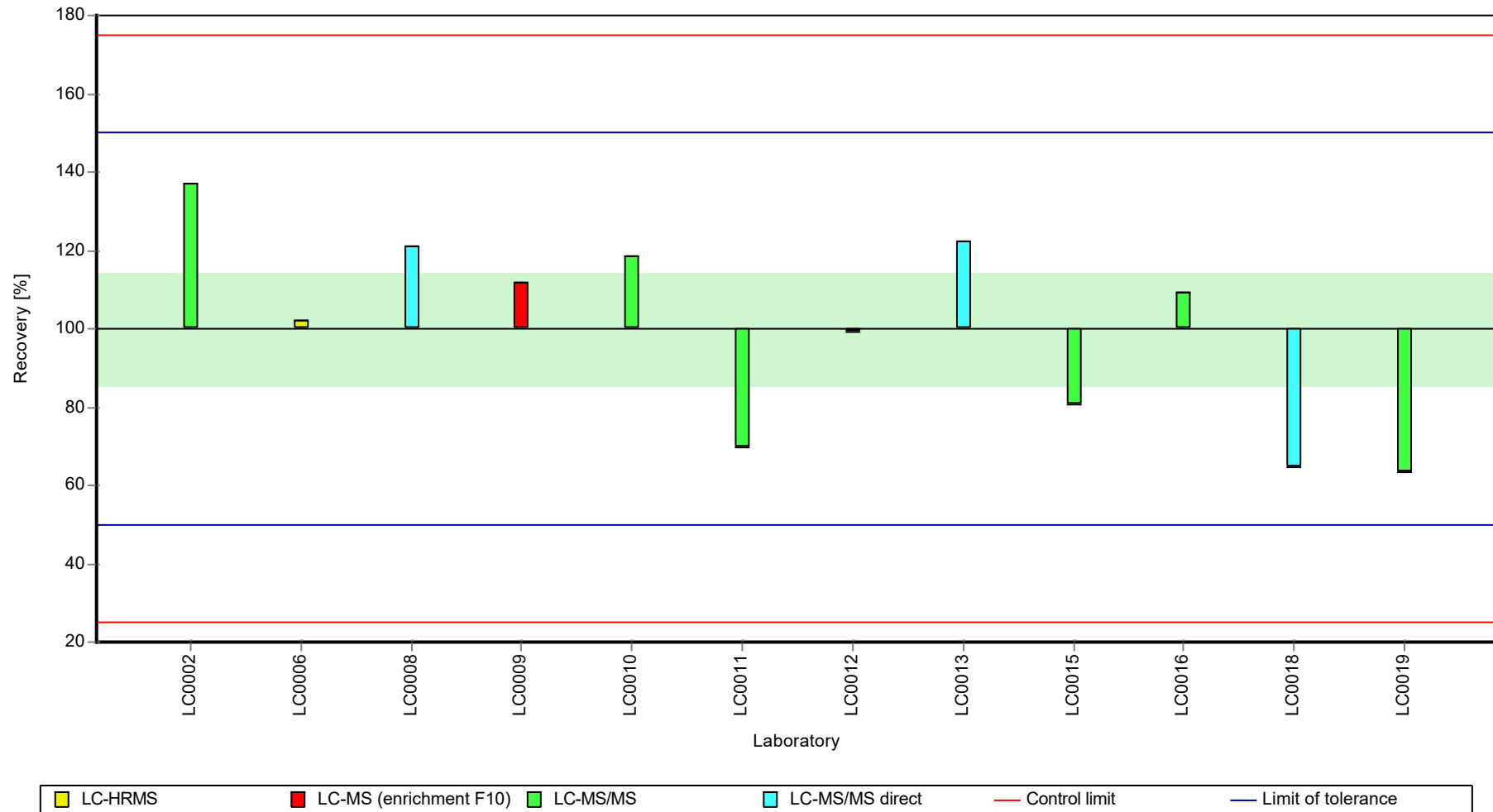
Results



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ8

Sample: AZ8A, Parameter: Amidotrizoic acid

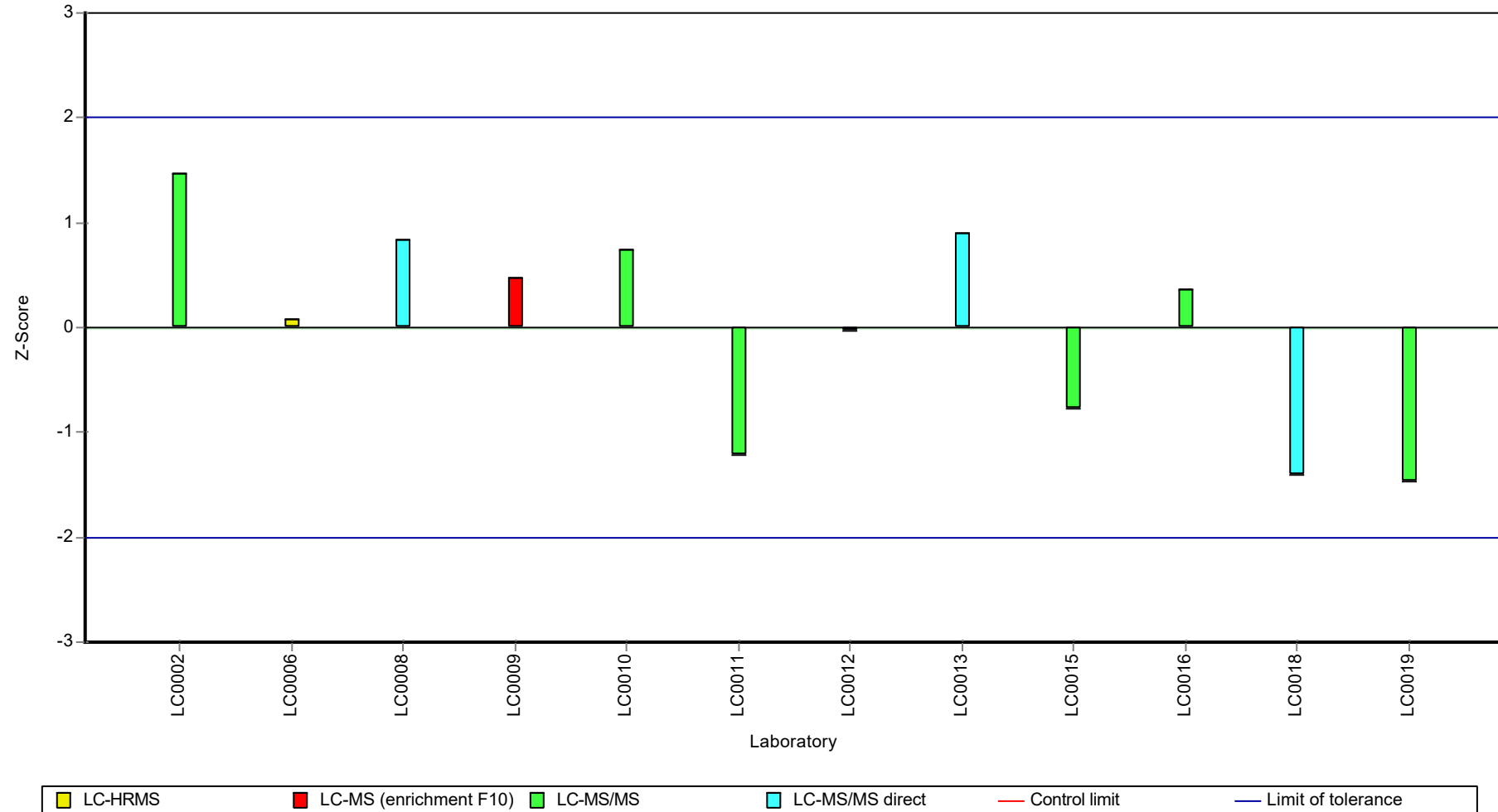
**Recovery rate**



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ8

Sample: AZ8A, Parameter: Amidotrizoic acid

**Z-score**



## Parameter oriented report

### AZ8 B

#### Amidotrizoic acid

Unit	µg/l
Assigned value ± U (k=2)	2.07 ± 0.268
Criterion	0.414 (20 %)
Minimum - Maximum	1.15 - 2.77
Control test value ± U (k=2)	2.31 ± 0.347

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	2.77	1.08	134	1.7	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	-	-	-	-	
LC0006	2.1133	0.3559	102	0.11	
LC0007	-	-	-	-	
LC0008	1.956	0.061	94.6	-0.27	
LC0009	2.28	0.228	110	0.51	
LC0010	2.285	0.411	110	0.52	
LC0011	-	-	-	-	
LC0012	1.72	0.34	83.2	-0.84	
LC0013	2.3	0.46	111	0.56	
LC0014	-	-	-	-	
LC0015	2.03	0.711	98.1	-0.09	
LC0016	2.08	0.312	101	0.03	
LC0017	-	-	-	-	
LC0018	0.303	0.01	14.6	-4.27	H
LC0019	1.1507	1.1162	55.6	-2.22	
LC0020	-	-	-	-	
LC0021	-	-	-	-	

#### Characteristics of parameter

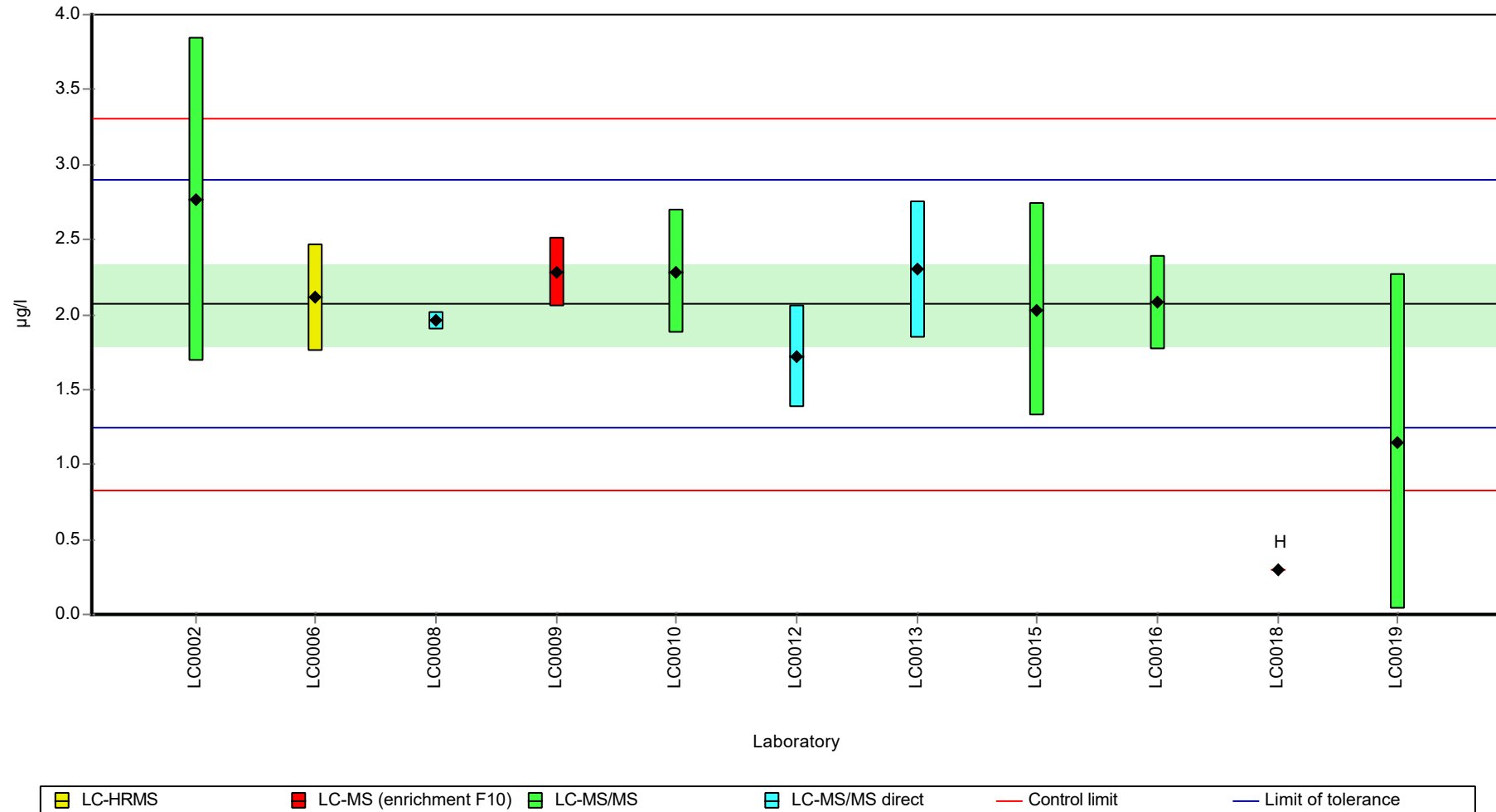
	all results	without outliers	Unit
Mean ± CI (99%)	1.91 ± 0.603	2.07 ± 0.402	µg/l
Minimum	0.303	1.15	µg/l
Maximum	2.77	2.77	µg/l
Standard deviation	0.667	0.424	µg/l
rel. standard deviation	35	20.5	%
n	11	10	-

Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ8

Sample: AZ8B, Parameter: Amidotrizoic acid

Graphical presentation of results

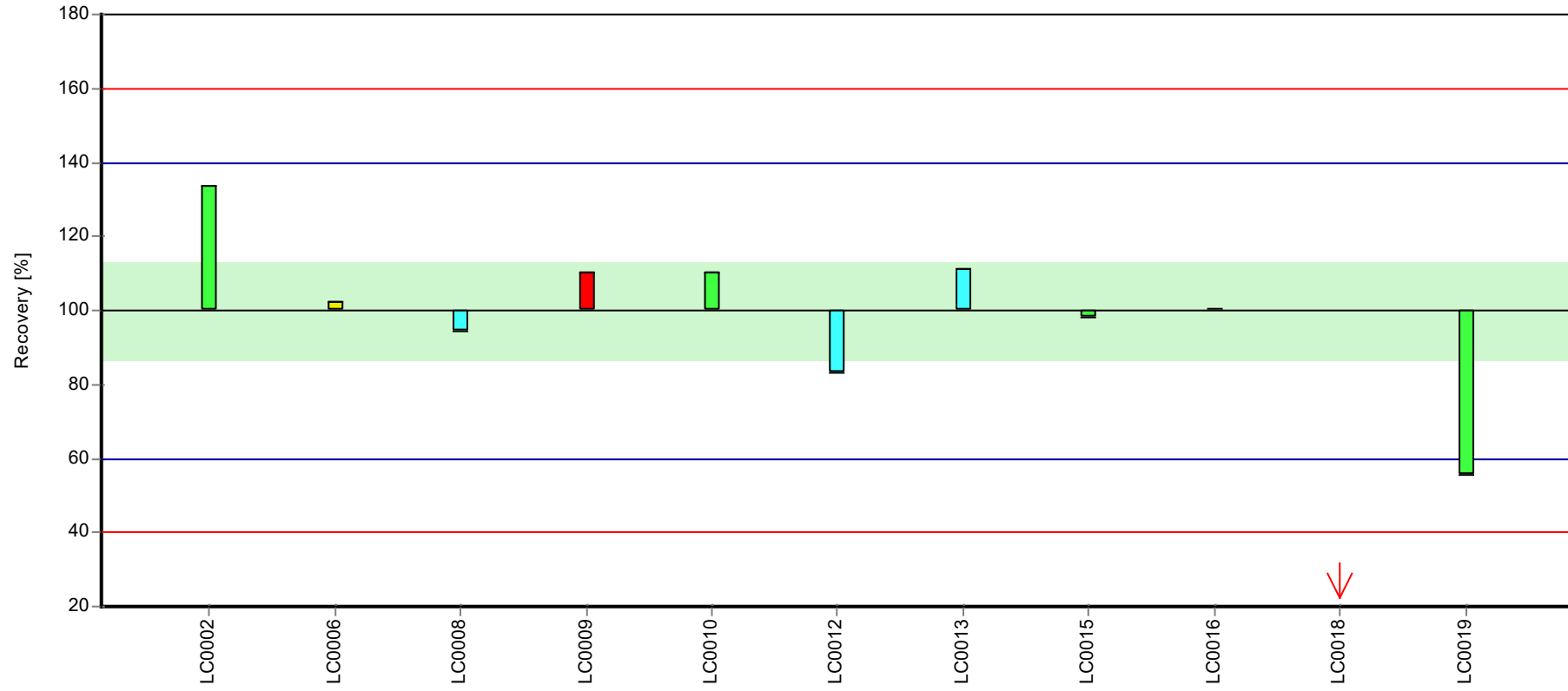
Results



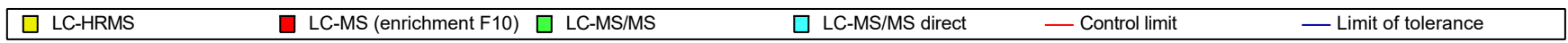
Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ8

Sample: AZ8B, Parameter: Amidotrizoic acid

**Recovery rate**



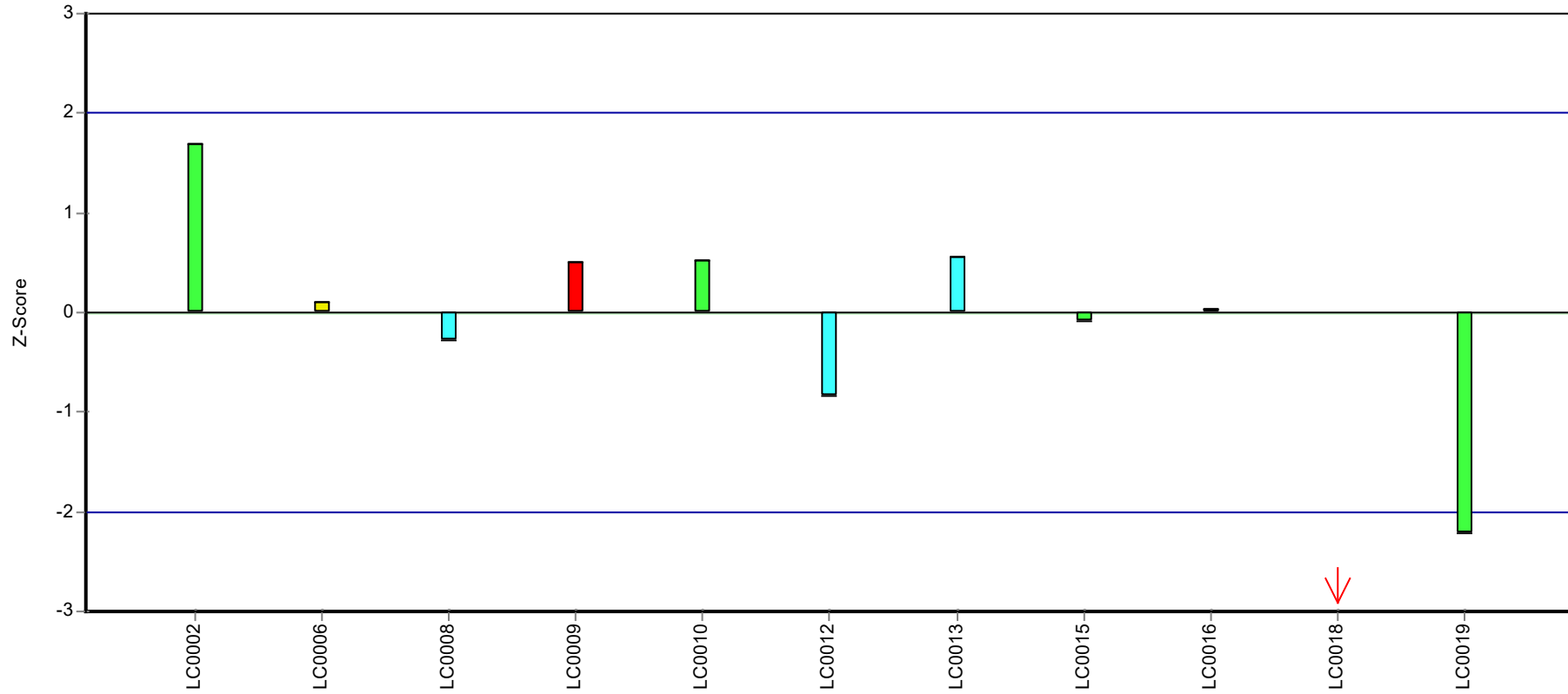
Laboratory



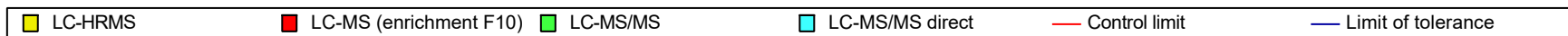
Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ8

Sample: AZ8B, Parameter: Amidotrizoic acid

**Z-score**



Laboratory





## Parameter oriented report

### AZ8 A

#### Atenolol

Unit	µg/l
Assigned value ± U (k=2)	0.457 ± 0.0445
Criterion	0.0868 (19 %)
Minimum - Maximum	0.295 - 0.614
Control test value ± U (k=2)	0.485 ± 0.0727

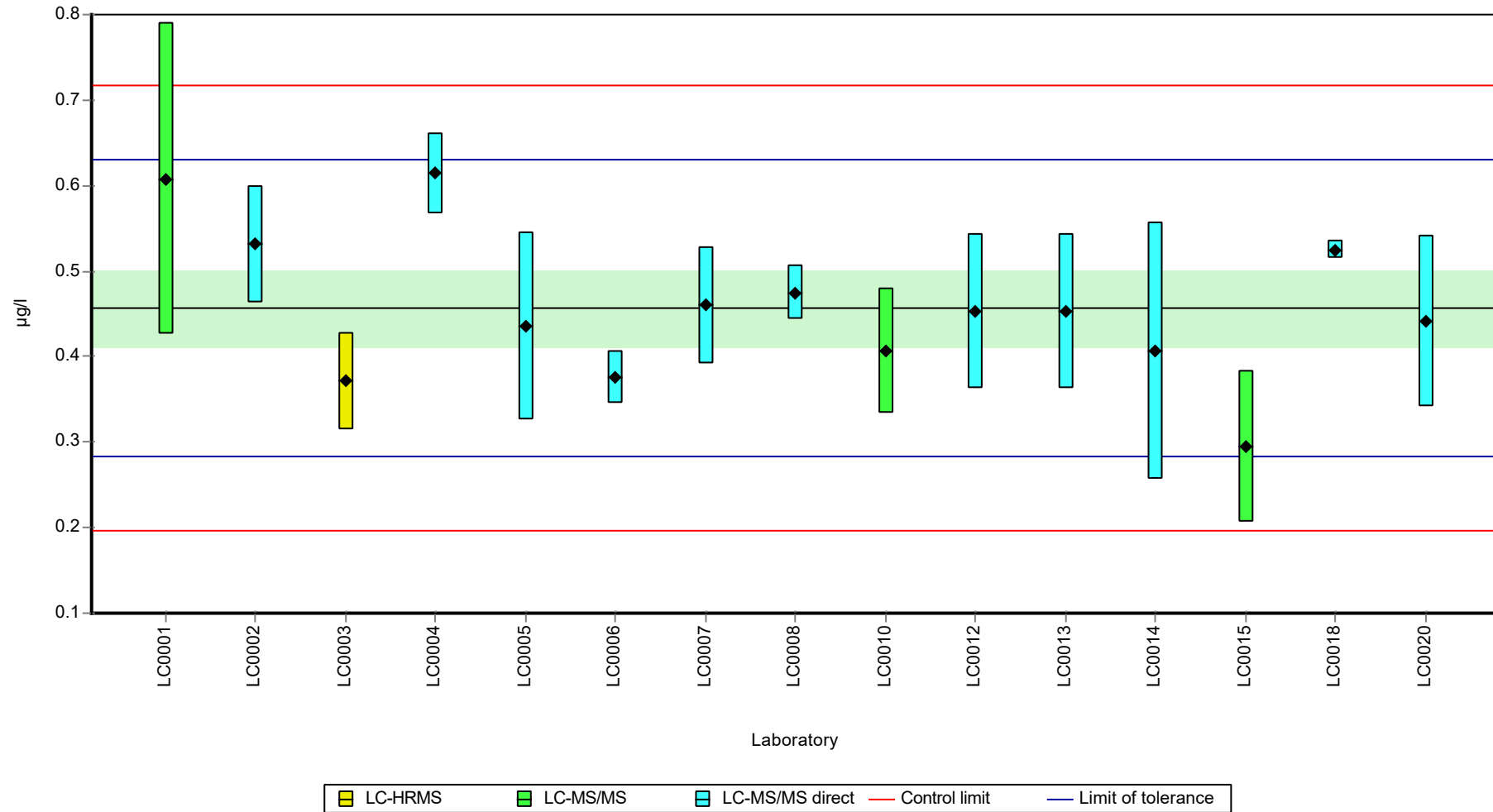
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.608	0.1824	133	1.74	
LC0002	0.531	0.0685	116	0.85	
LC0003	0.371	0.056	81.2	-0.99	
LC0004	0.614	0.048	134	1.81	
LC0005	0.435	0.11	95.2	-0.25	
LC0006	0.3757	0.0314	82.2	-0.93	
LC0007	0.46	0.069	101	0.04	
LC0008	0.475	0.031	104	0.21	
LC0009	-	-	-	-	
LC0010	0.407	0.073	89.1	-0.57	
LC0011	-	-	-	-	
LC0012	0.453	0.091	99.2	-0.04	
LC0013	0.453	0.0906	99.2	-0.04	
LC0014	0.407	0.15	89.1	-0.57	
LC0015	0.295	0.089	64.6	-1.86	
LC0016	-	-	-	-	
LC0017	-	-	-	-	
LC0018	0.525	0.01	115	0.79	
LC0019	-	-	-	-	
LC0020	0.442	0.1	96.8	-0.17	
LC0021	-	-	-	-	

#### Characteristics of parameter

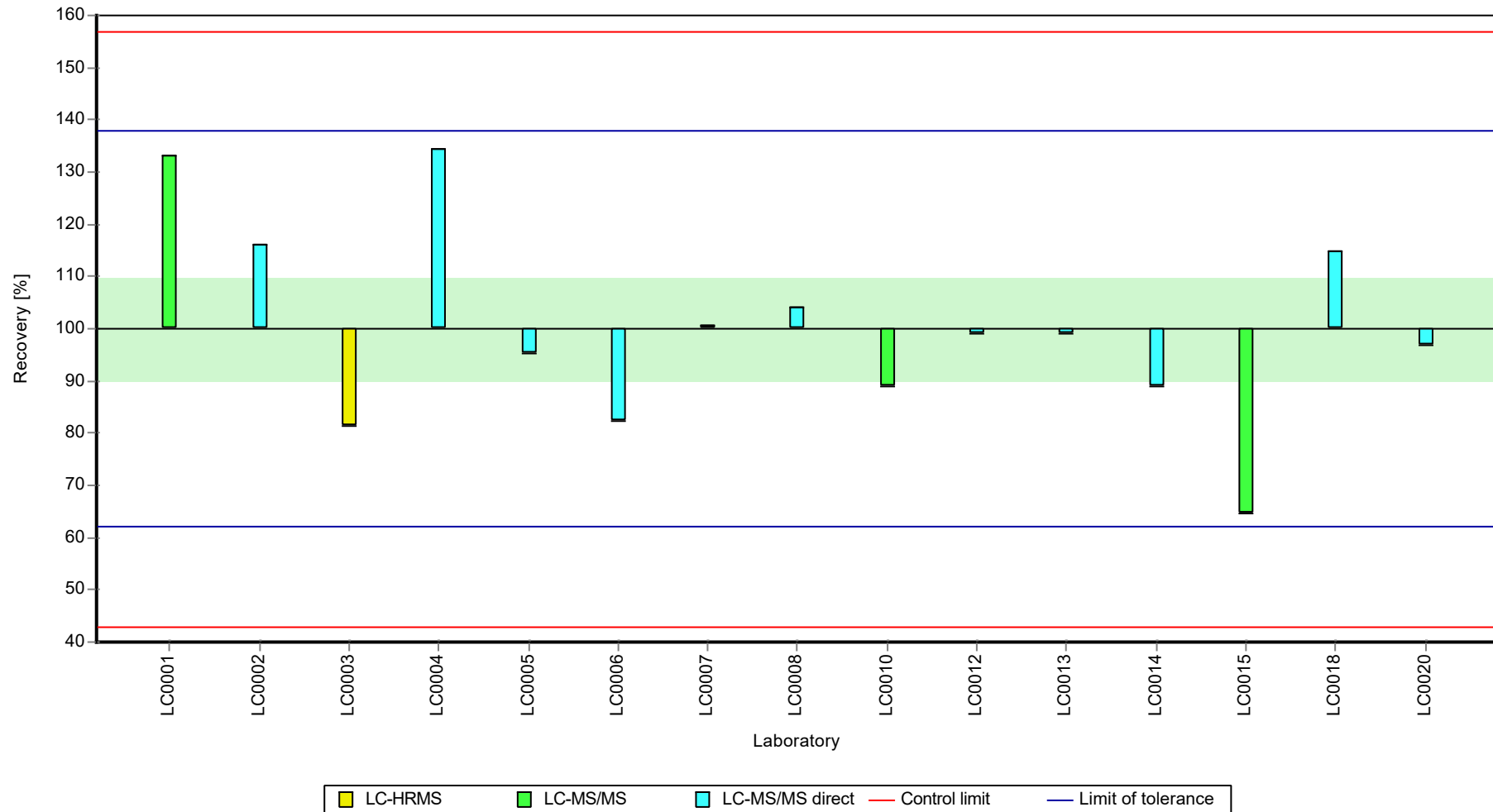
	all results	without outliers	Unit
Mean ± CI (99%)	0.457 ± 0.0667	0.457 ± 0.0667	µg/l
Minimum	0.295	0.295	µg/l
Maximum	0.614	0.614	µg/l
Standard deviation	0.0861	0.0861	µg/l
rel. standard deviation	18.9	18.9	%
n	15	15	-

Graphical presentation of results

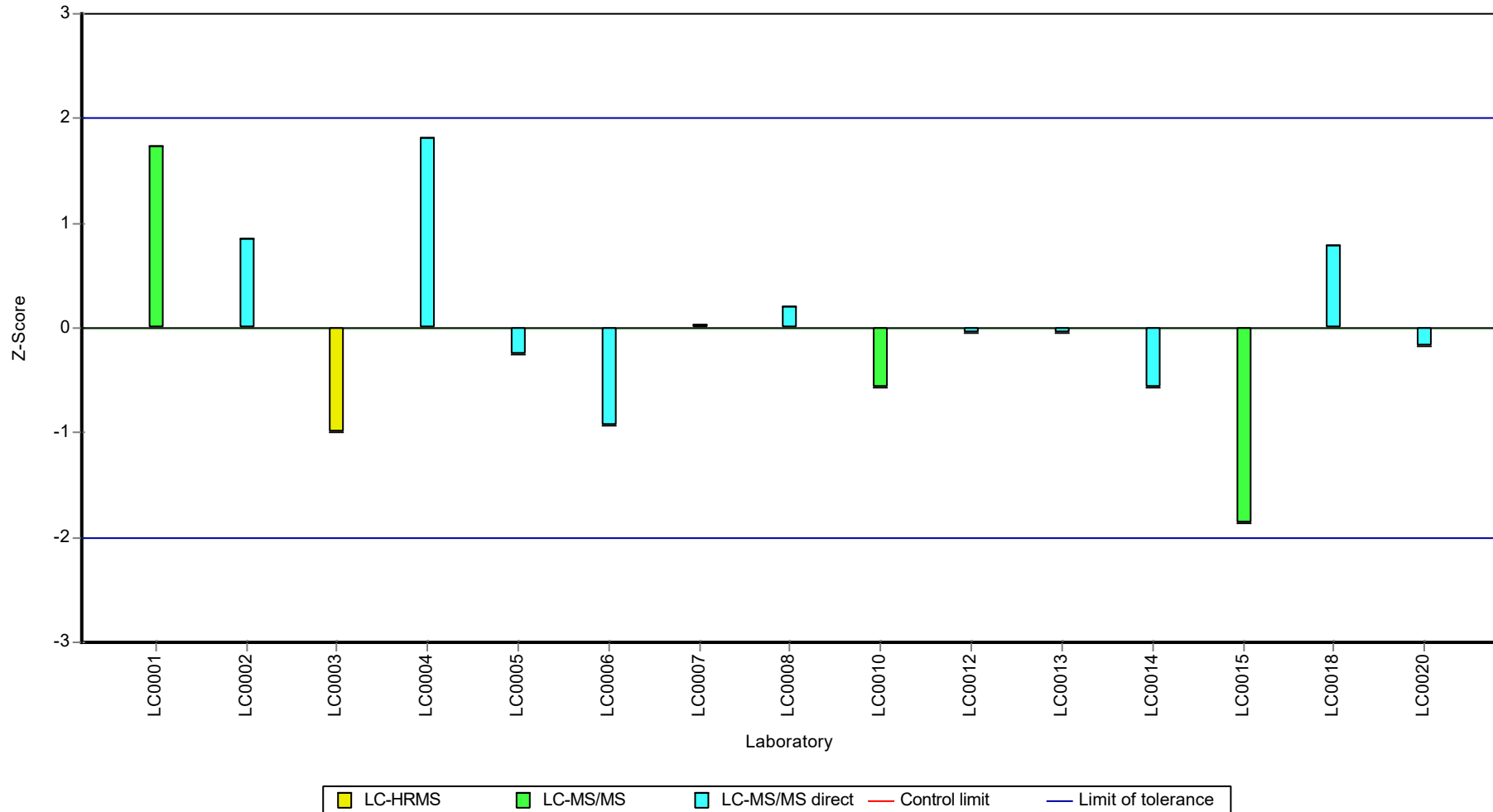
Results



**Recovery rate**



Z-score



## Parameter oriented report

### AZ8 B

#### Atenolol

Unit	µg/l
Assigned value ± U (k=2)	1.17 ± 0.128
Criterion	0.246 (21 %)
Minimum - Maximum	0.732 - 1.71
Control test value ± U (k=2)	1.18 ± 0.177

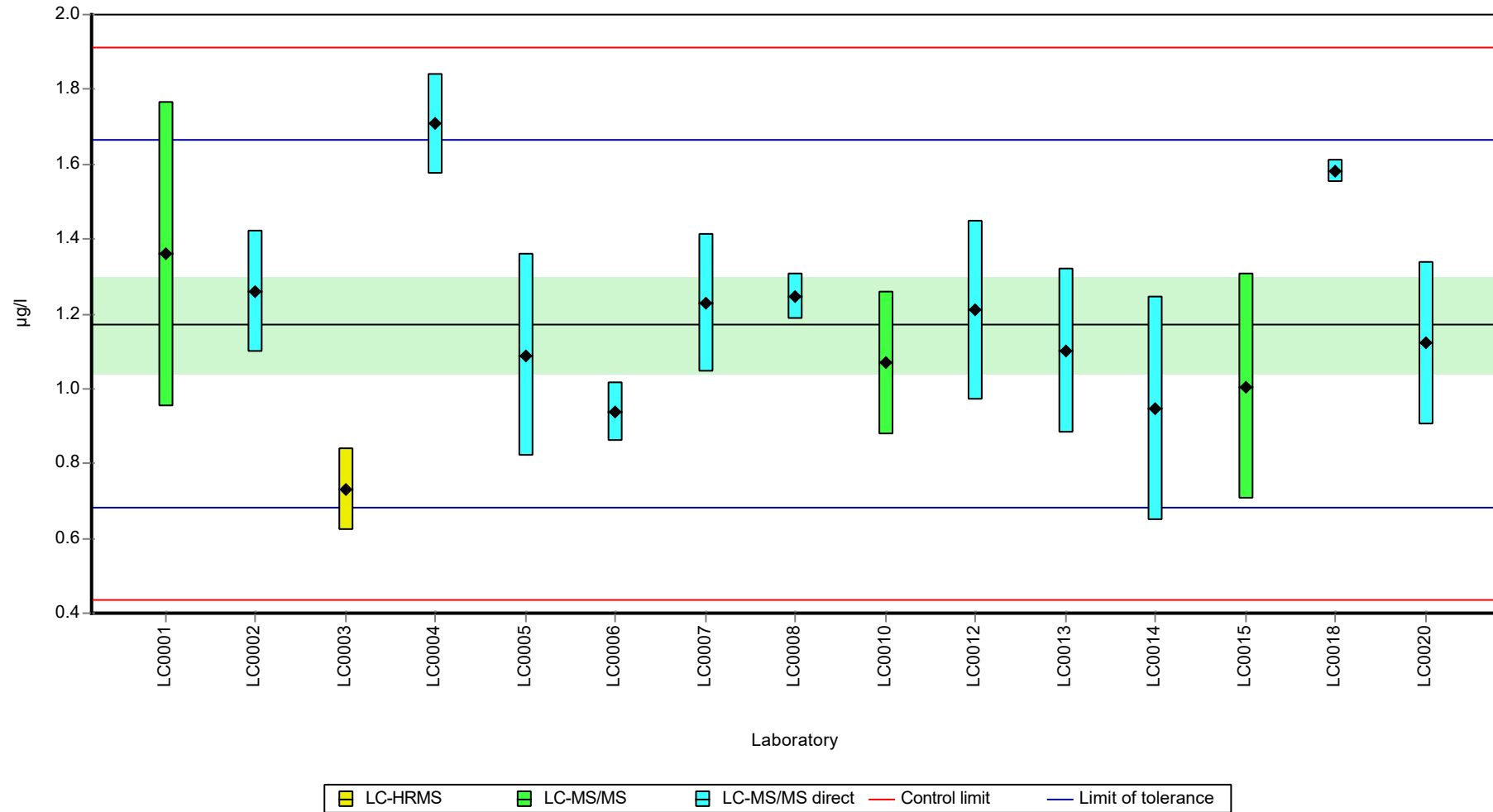
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	1.36	0.408	116	0.76	
LC0002	1.26	0.163	107	0.35	
LC0003	0.732	0.11	62.4	-1.79	
LC0004	1.708	0.134	146	2.17	
LC0005	1.089	0.272	92.8	-0.34	
LC0006	0.9367	0.0782	79.9	-0.96	
LC0007	1.23	0.185	105	0.23	
LC0008	1.247	0.062	106	0.3	
LC0009	-	-	-	-	
LC0010	1.069	0.192	91.1	-0.42	
LC0011	-	-	-	-	
LC0012	1.21	0.24	103	0.15	
LC0013	1.1	0.22	93.8	-0.3	
LC0014	0.946	0.3	80.6	-0.92	
LC0015	1.006	0.302	85.8	-0.68	
LC0016	-	-	-	-	
LC0017	-	-	-	-	
LC0018	1.58	0.03	135	1.65	
LC0019	-	-	-	-	
LC0020	1.121	0.22	95.6	-0.21	
LC0021	-	-	-	-	

#### Characteristics of parameter

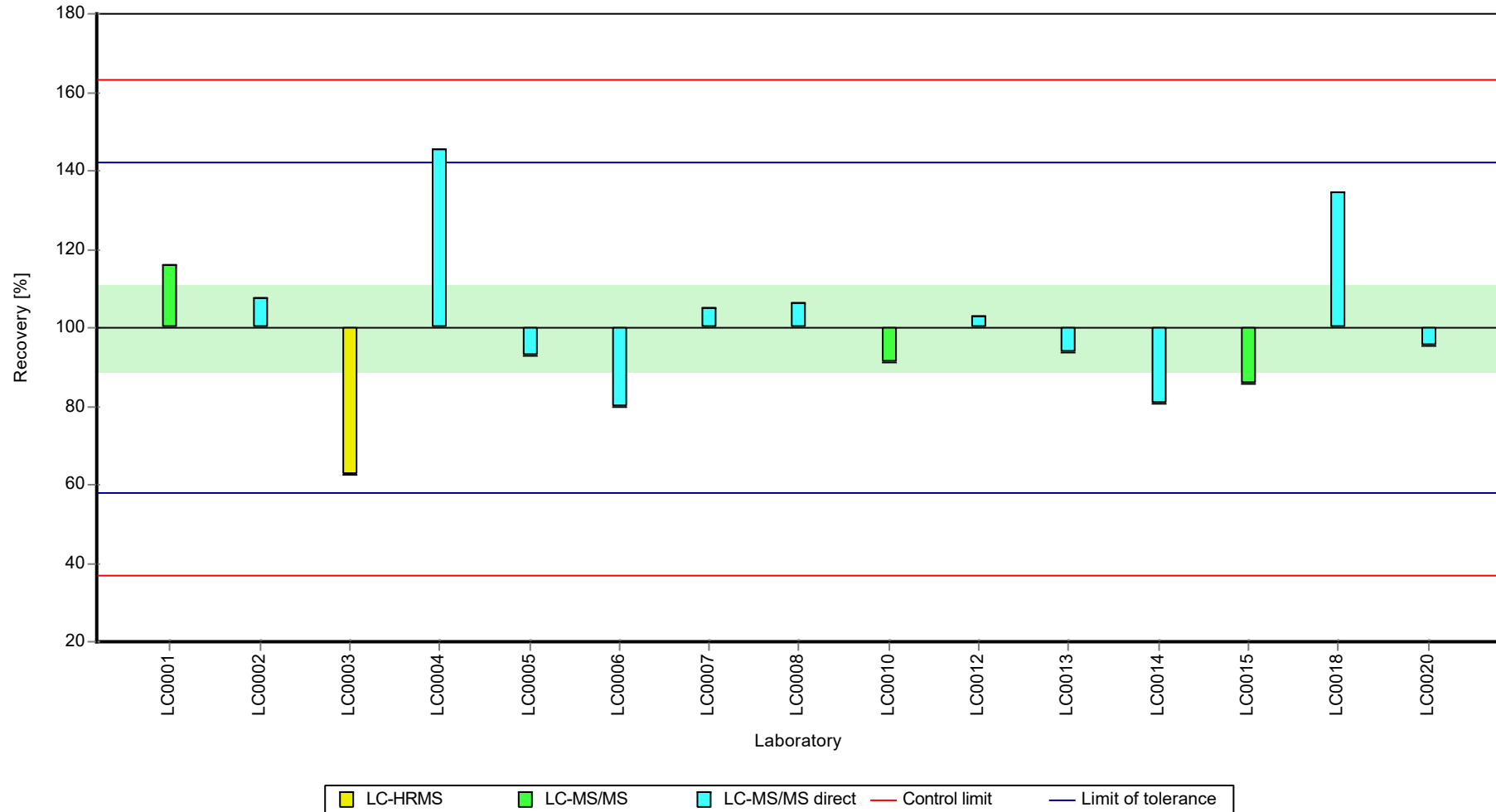
	all results	without outliers	Unit
Mean ± CI (99%)	1.17 ± 0.192	1.17 ± 0.192	µg/l
Minimum	0.732	0.732	µg/l
Maximum	1.71	1.71	µg/l
Standard deviation	0.248	0.248	µg/l
rel. standard deviation	21.1	21.1	%
n	15	15	-

Graphical presentation of results

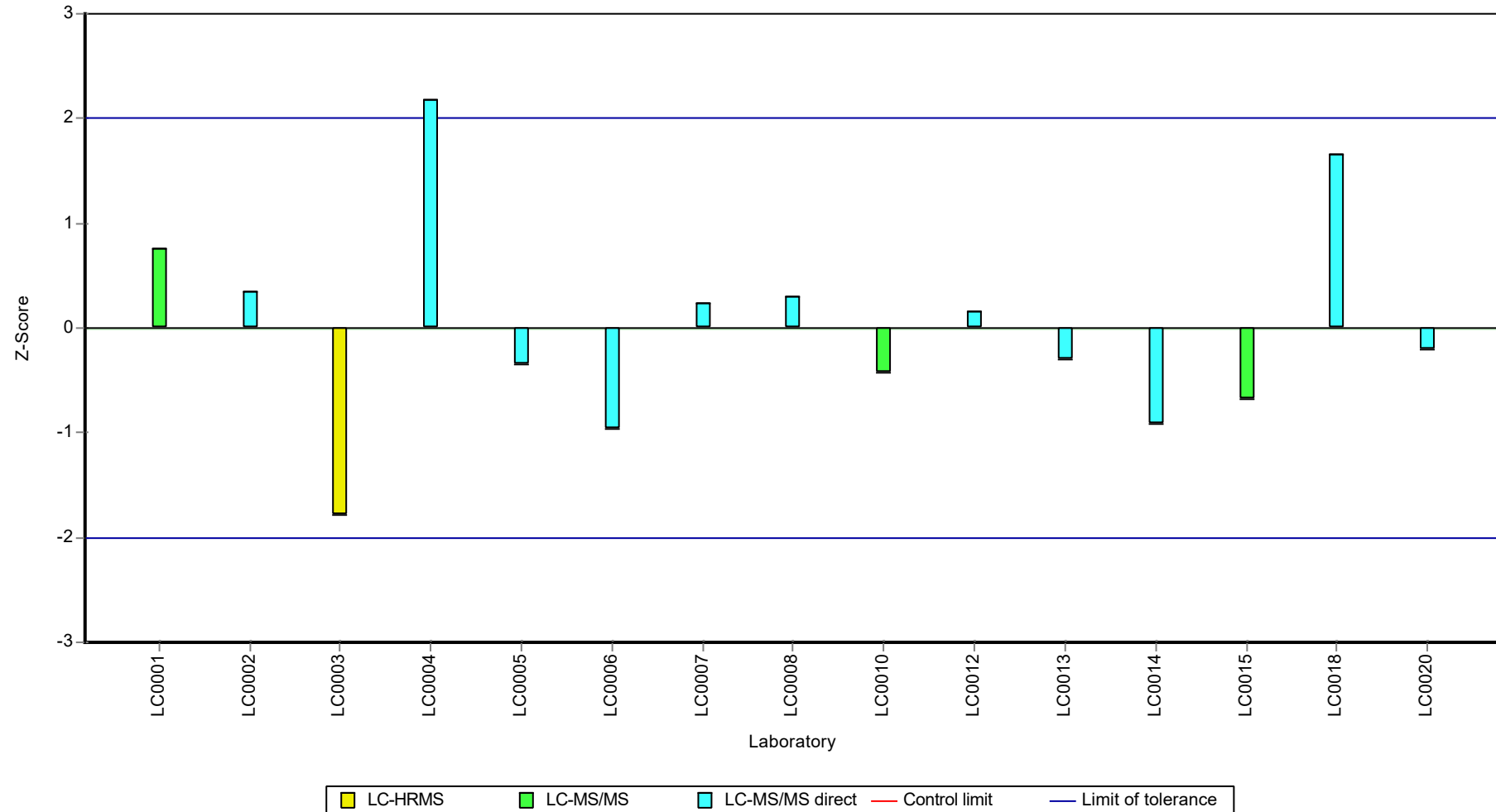
Results



**Recovery rate**



Z-score





## Parameter oriented report

### AZ8 A

#### Benzotriazole

Unit	µg/l
Assigned value ± U (k=2)	0.695 ± 0.0439
Criterion	0.0833 (12 %)
Minimum - Maximum	0.573 - 0.822
Control test value ± U (k=2)	0.569 ± 0.0854

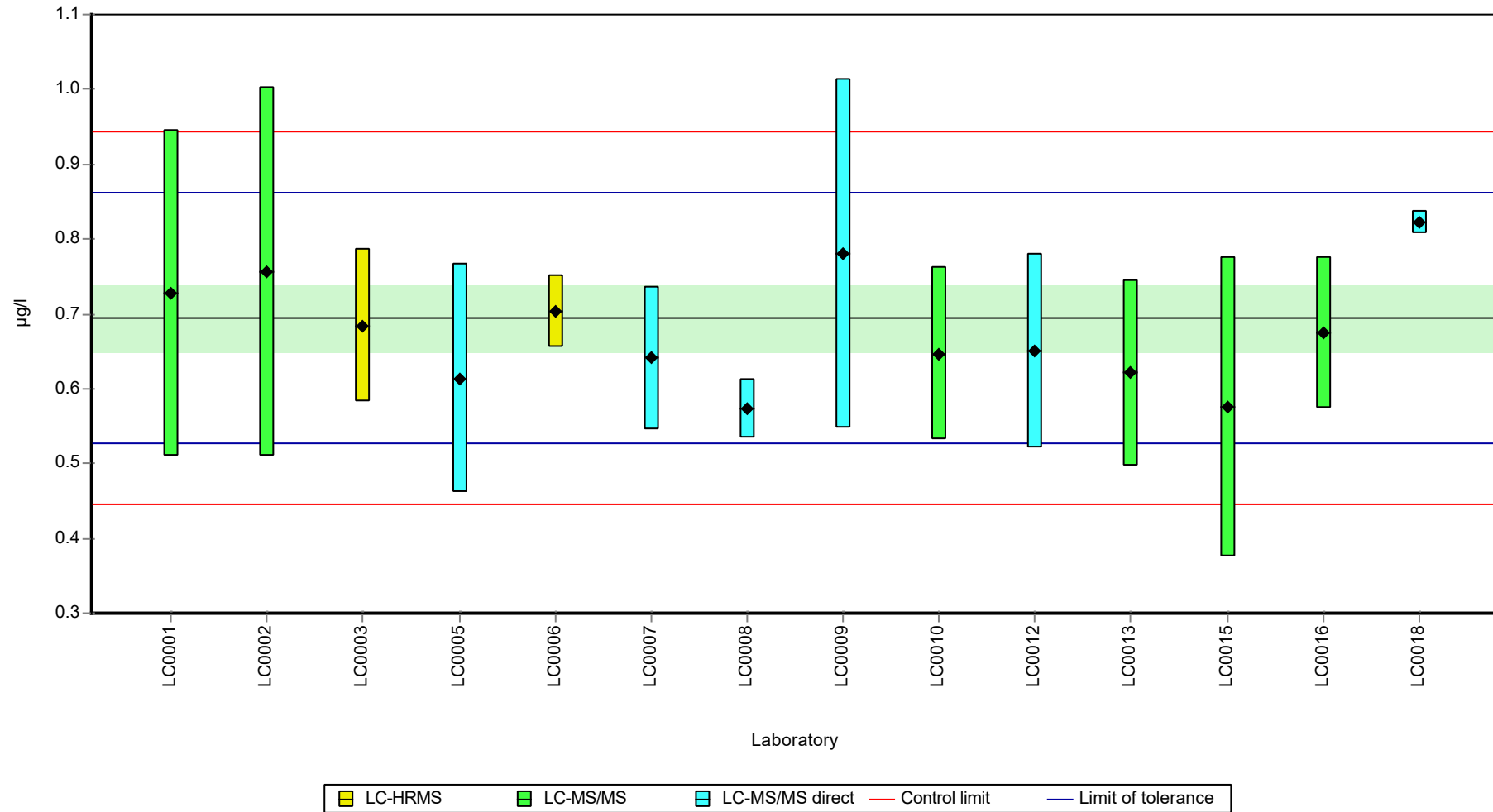
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.728	0.2184	105	0.4	
LC0002	0.756	0.247	109	0.74	
LC0003	0.684	0.103	98.5	-0.13	
LC0004	-	-	-	-	
LC0005	0.614	0.153	88.4	-0.97	
LC0006	0.7033	0.0485	101	0.1	
LC0007	0.641	0.096	92.3	-0.64	
LC0008	0.573	0.039	82.5	-1.46	
LC0009	0.78	0.234	112	1.02	
LC0010	0.647	0.116	93.2	-0.57	
LC0011	-	-	-	-	
LC0012	0.65	0.13	93.6	-0.54	
LC0013	0.621	0.124	89.4	-0.88	
LC0014	-	-	-	-	
LC0015	0.575	0.201	82.8	-1.43	
LC0016	0.674	0.101	97	-0.25	
LC0017	-	-	-	-	
LC0018	0.822	0.016	118	1.53	
LC0019	-	-	-	-	
LC0020	-	-	-	-	
LC0021	-	-	-	-	

#### Characteristics of parameter

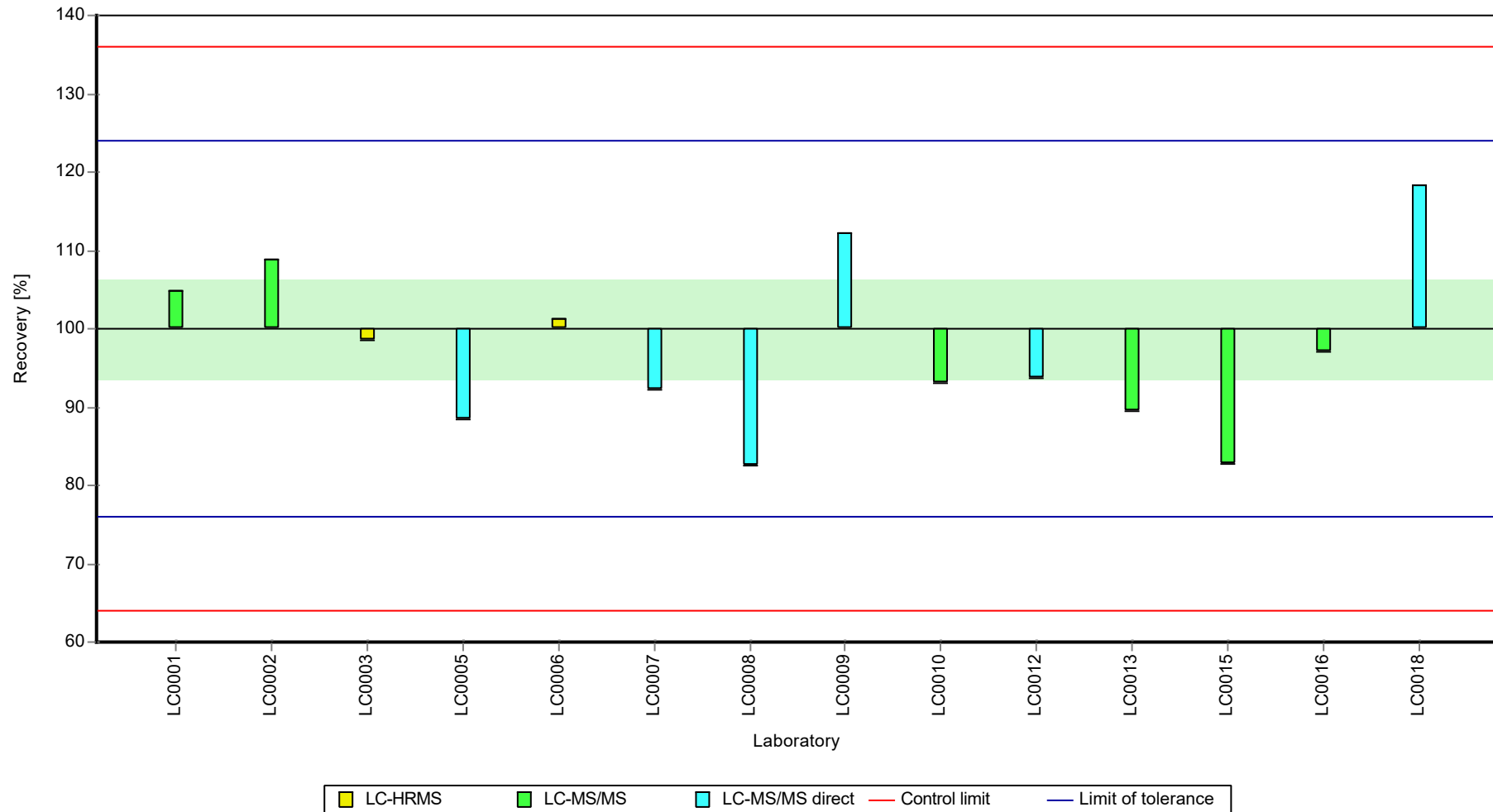
	all results	without outliers	Unit
Mean ± CI (99%)	0.676 ± 0.0599	0.676 ± 0.0599	µg/l
Minimum	0.573	0.573	µg/l
Maximum	0.822	0.822	µg/l
Standard deviation	0.0747	0.0747	µg/l
rel. standard deviation	11	11	%
n	14	14	-

Graphical presentation of results

Results



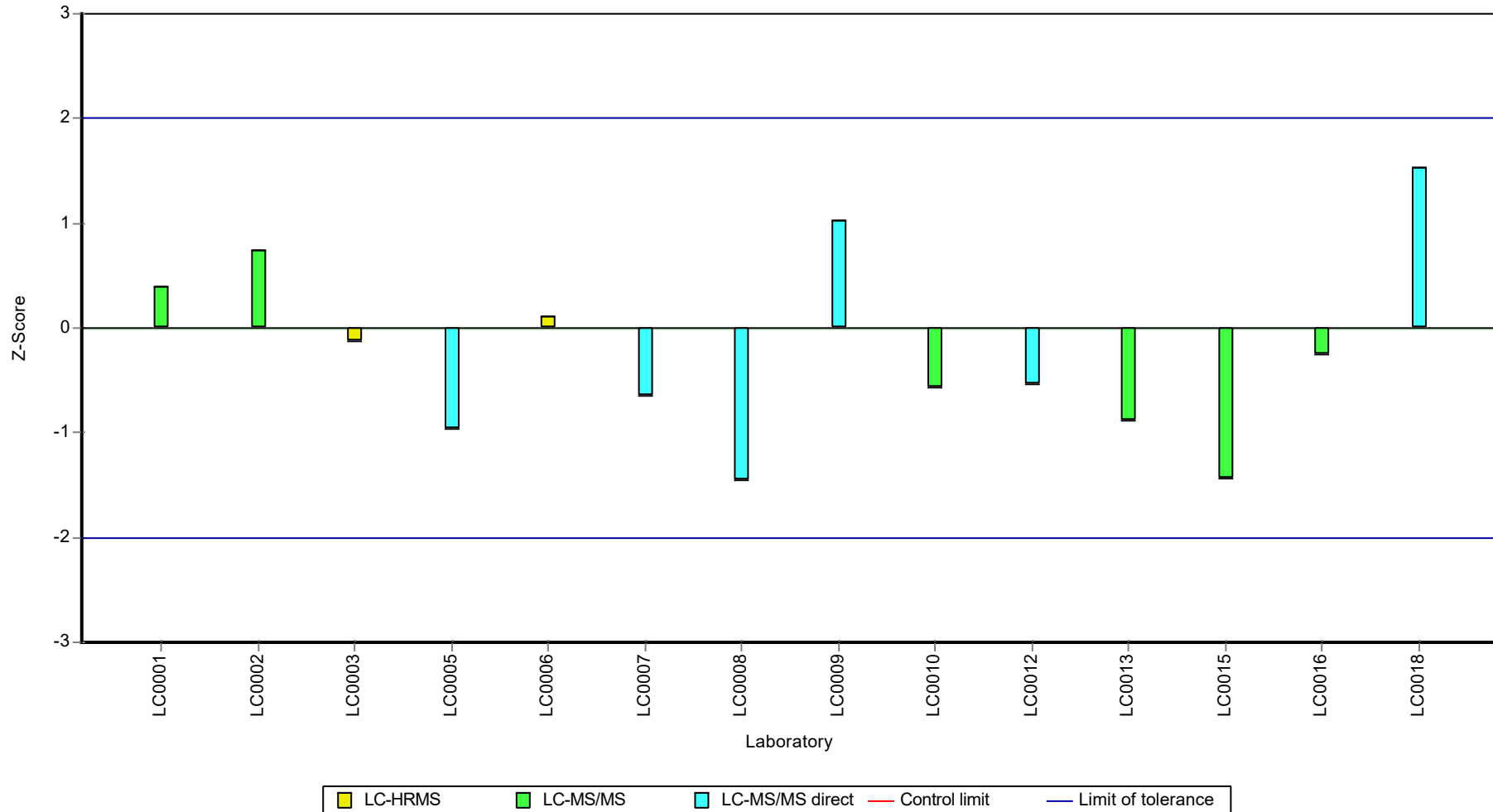
**Recovery rate**



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ8

Sample: AZ8A, Parameter: Benzotriazole

Z-score



## Parameter oriented report

### AZ8 B

#### Benzotriazole

Unit	µg/l
Assigned value ± U (k=2)	10.6 ± 0.312
Criterion	1.27 (12 %)
Minimum - Maximum	9.86 - 11.3
Control test value ± U (k=2)	11.1 ± 1.67

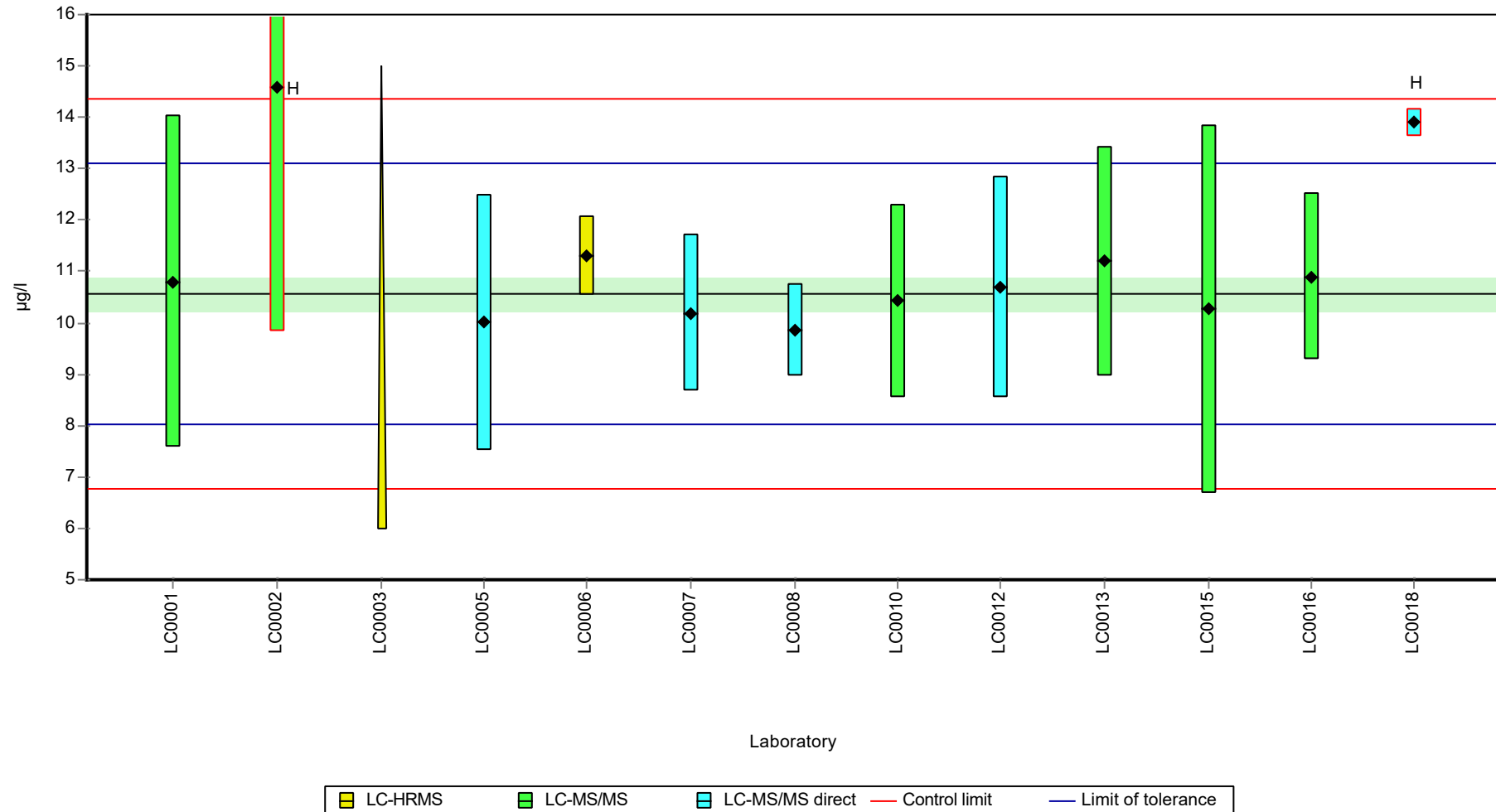
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	10.8	3.24	102	0.18	
LC0002	14.6	4.77	138	3.18	H
LC0003	>6.0	-	-	-	
LC0004	-	-	-	-	
LC0005	10.003	2.501	94.7	-0.44	
LC0006	11.3067	0.7798	107	0.58	
LC0007	10.19	1.529	96.4	-0.3	
LC0008	9.862	0.911	93.3	-0.56	
LC0009	-	-	-	-	
LC0010	10.43	1.88	98.7	-0.11	
LC0011	-	-	-	-	
LC0012	10.7	2.15	101	0.11	
LC0013	11.2	2.24	106	0.5	
LC0014	-	-	-	-	
LC0015	10.267	3.593	97.2	-0.24	
LC0016	10.9	1.635	103	0.26	
LC0017	-	-	-	-	
LC0018	13.9	0.28	132	2.63	H
LC0019	-	-	-	-	
LC0020	-	-	-	-	
LC0021	-	-	-	-	

#### Characteristics of parameter

	all results	without outliers	Unit
Mean ± CI (99%)	11.2 ± 1.31	10.6 ± 0.469	µg/l
Minimum	9.86	9.86	µg/l
Maximum	14.6	11.3	µg/l
Standard deviation	1.51	0.494	µg/l
rel. standard deviation	13.5	4.68	%
n	12	10	-

Graphical presentation of results

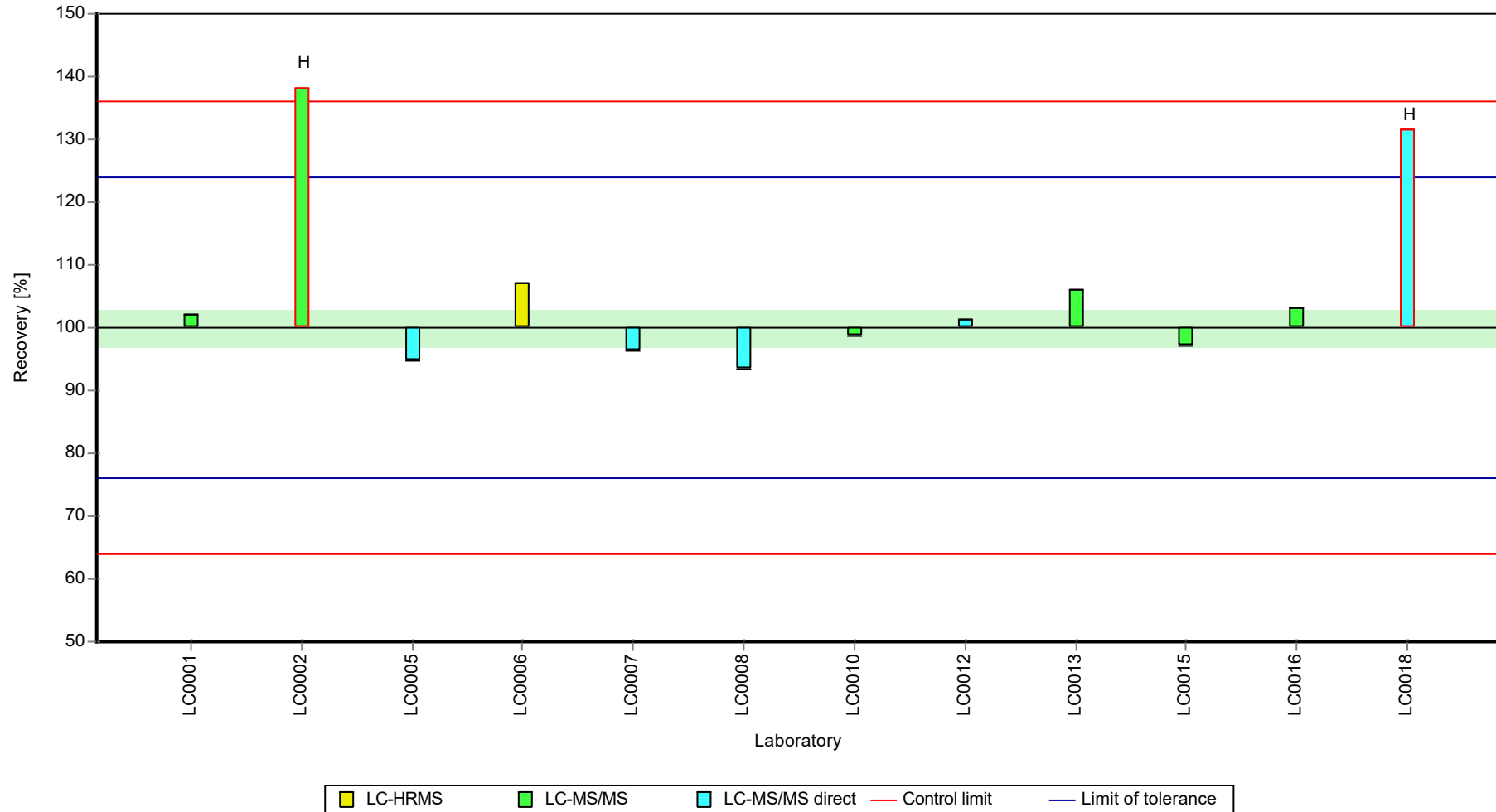
Results



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ8

Sample: AZ8B, Parameter: Benzotriazole

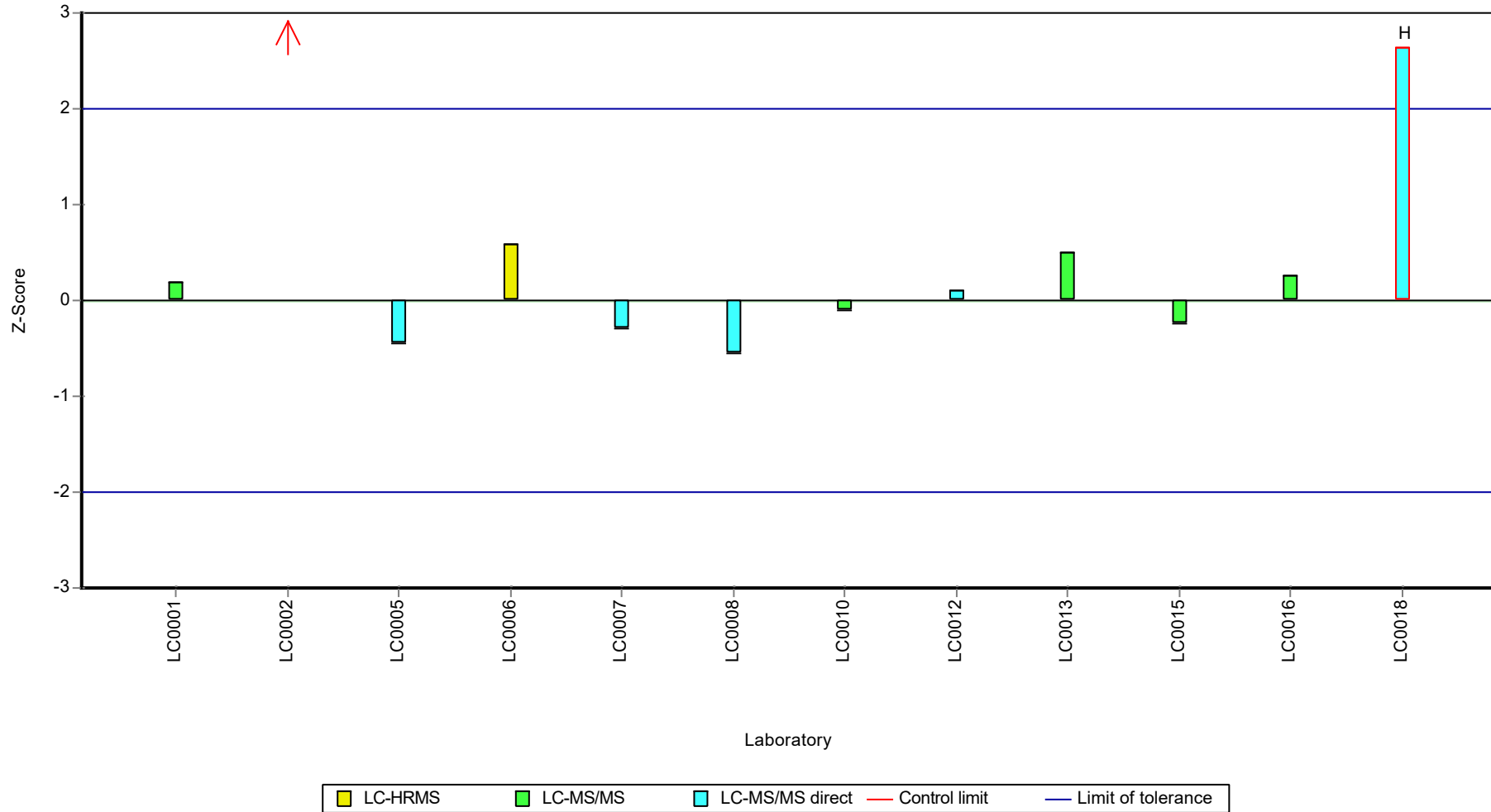
**Recovery rate**



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ8

Sample: AZ8B, Parameter: Benzotriazole

Z-score





## Parameter oriented report

### AZ8 A

#### Bisoprolol

Unit	µg/l
Assigned value ± U (k=2)	0.0879 ± 0.00933
Criterion	0.0132 (15 %)
Minimum - Maximum	0.068 - 0.102
Control test value ± U (k=2)	0.0952 ± 0.0143

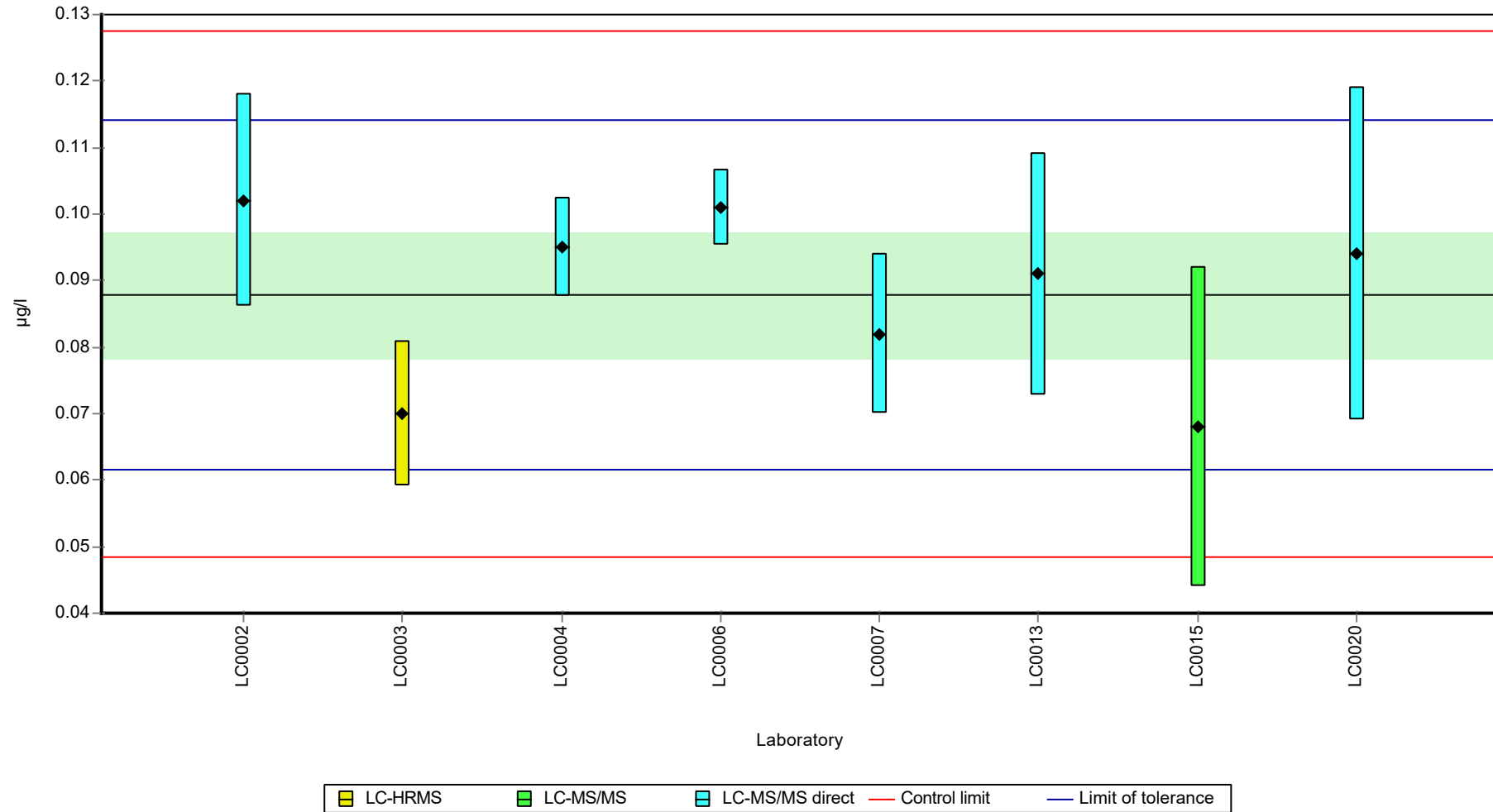
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	0.102	0.016	116	1.07	
LC0003	0.07	0.011	79.7	-1.36	
LC0004	0.095	0.0074	108	0.54	
LC0005	-	-	-	-	
LC0006	0.101	0.0058	115	1	
LC0007	0.082	0.012	93.3	-0.45	
LC0008	-	-	-	-	
LC0009	-	-	-	-	
LC0010	-	-	-	-	
LC0011	-	-	-	-	
LC0012	-	-	-	-	
LC0013	0.091	0.0182	104	0.24	
LC0014	-	-	-	-	
LC0015	0.068	0.024	77.4	-1.51	
LC0016	-	-	-	-	
LC0017	-	-	-	-	
LC0018	-	-	-	-	
LC0019	-	-	-	-	
LC0020	0.094	0.025	107	0.47	
LC0021	-	-	-	-	

#### Characteristics of parameter

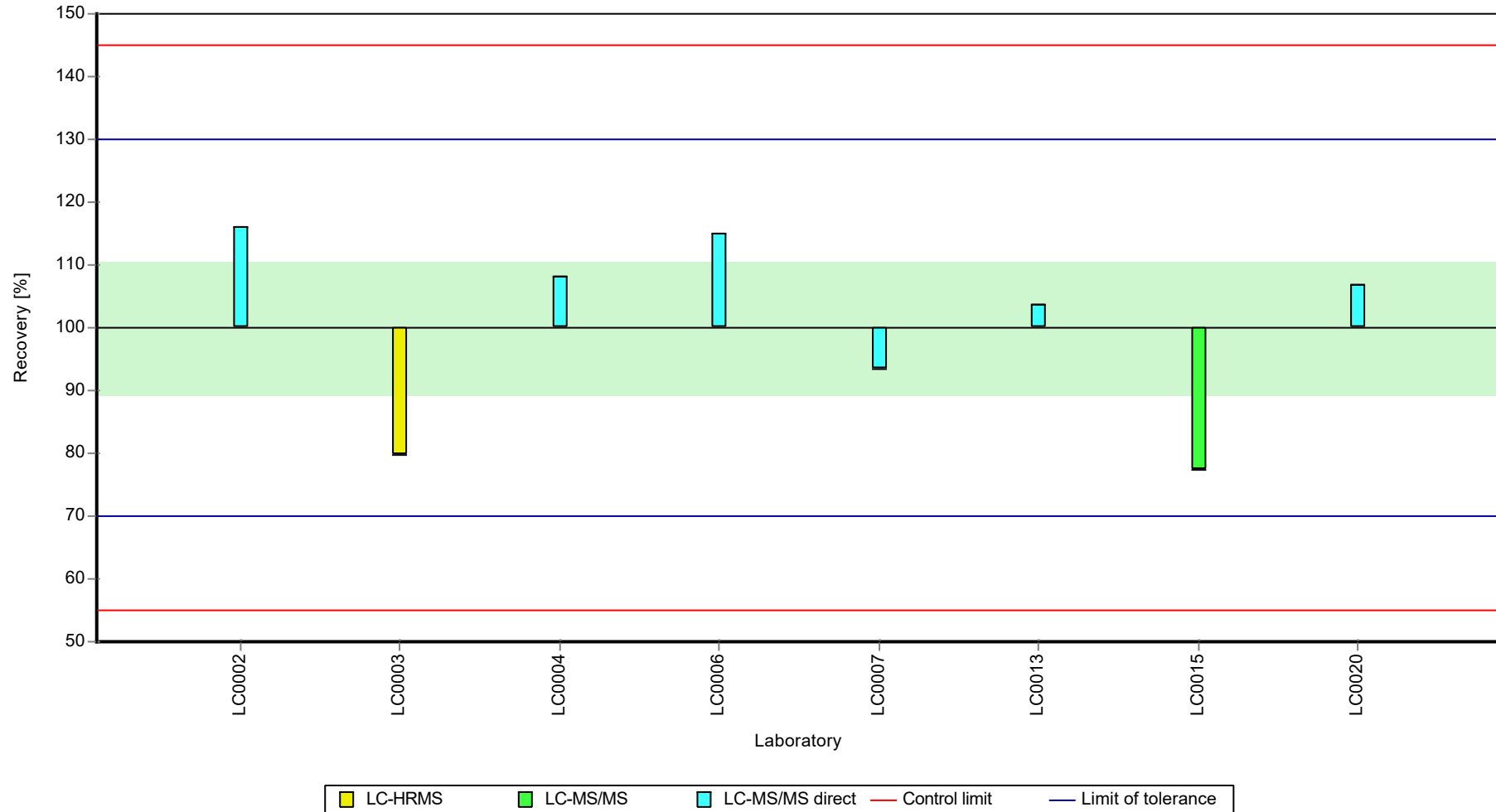
	all results	without outliers	Unit
Mean ± CI (99%)	0.0879 ± 0.014	0.0879 ± 0.014	µg/l
Minimum	0.068	0.068	µg/l
Maximum	0.102	0.102	µg/l
Standard deviation	0.0132	0.0132	µg/l
rel. standard deviation	15	15	%
n	8	8	-

Graphical presentation of results

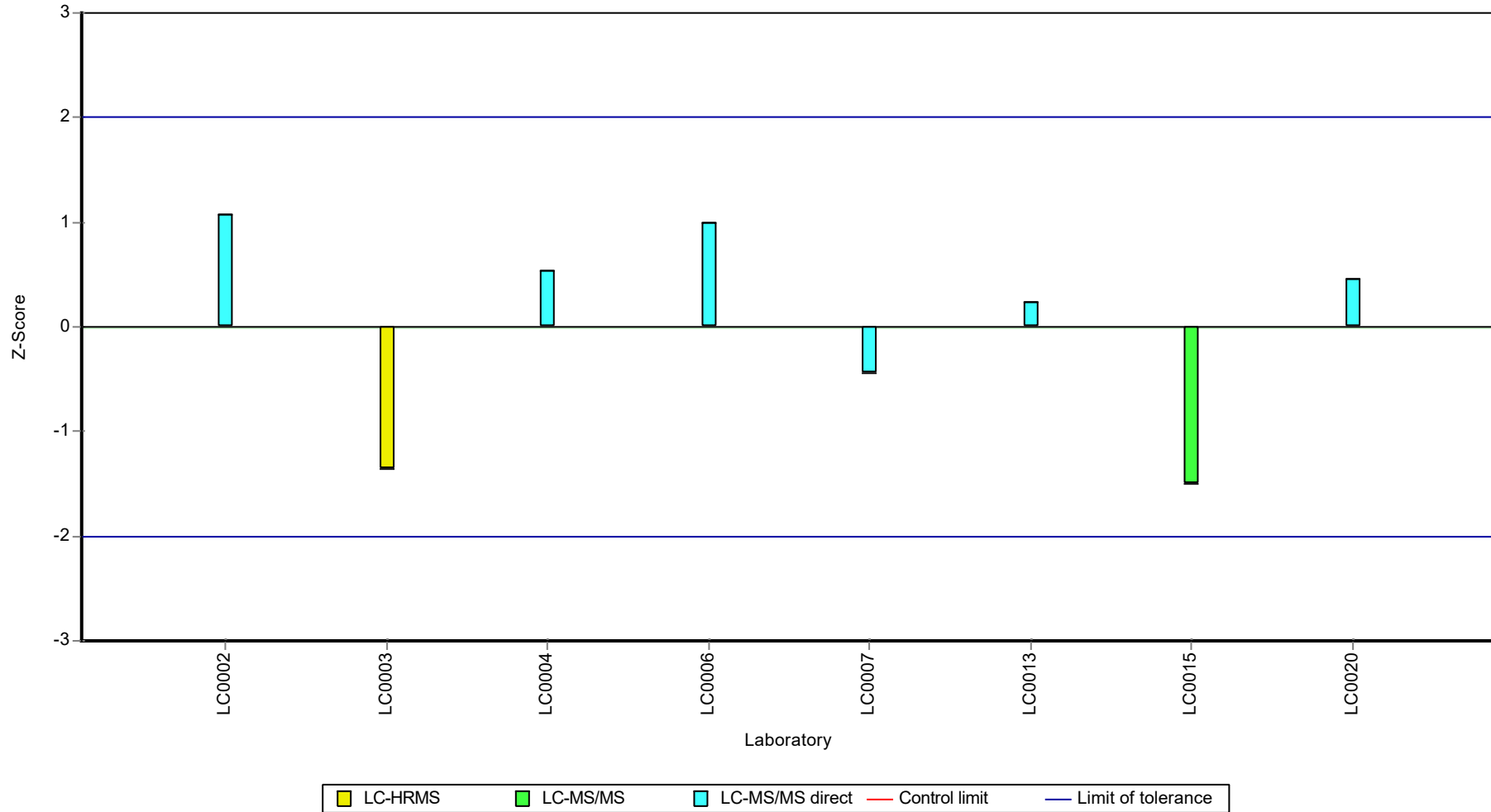
Results



**Recovery rate**



**Z-score**



## Parameter oriented report

### AZ8 B

#### Bisoprolol

Unit	µg/l
Assigned value ± U (k=2)	0.803 ± 0.059
Criterion	0.0779 (9.7 %)
Minimum - Maximum	0.666 - 0.88
Control test value ± U (k=2)	0.775 ± 0.116

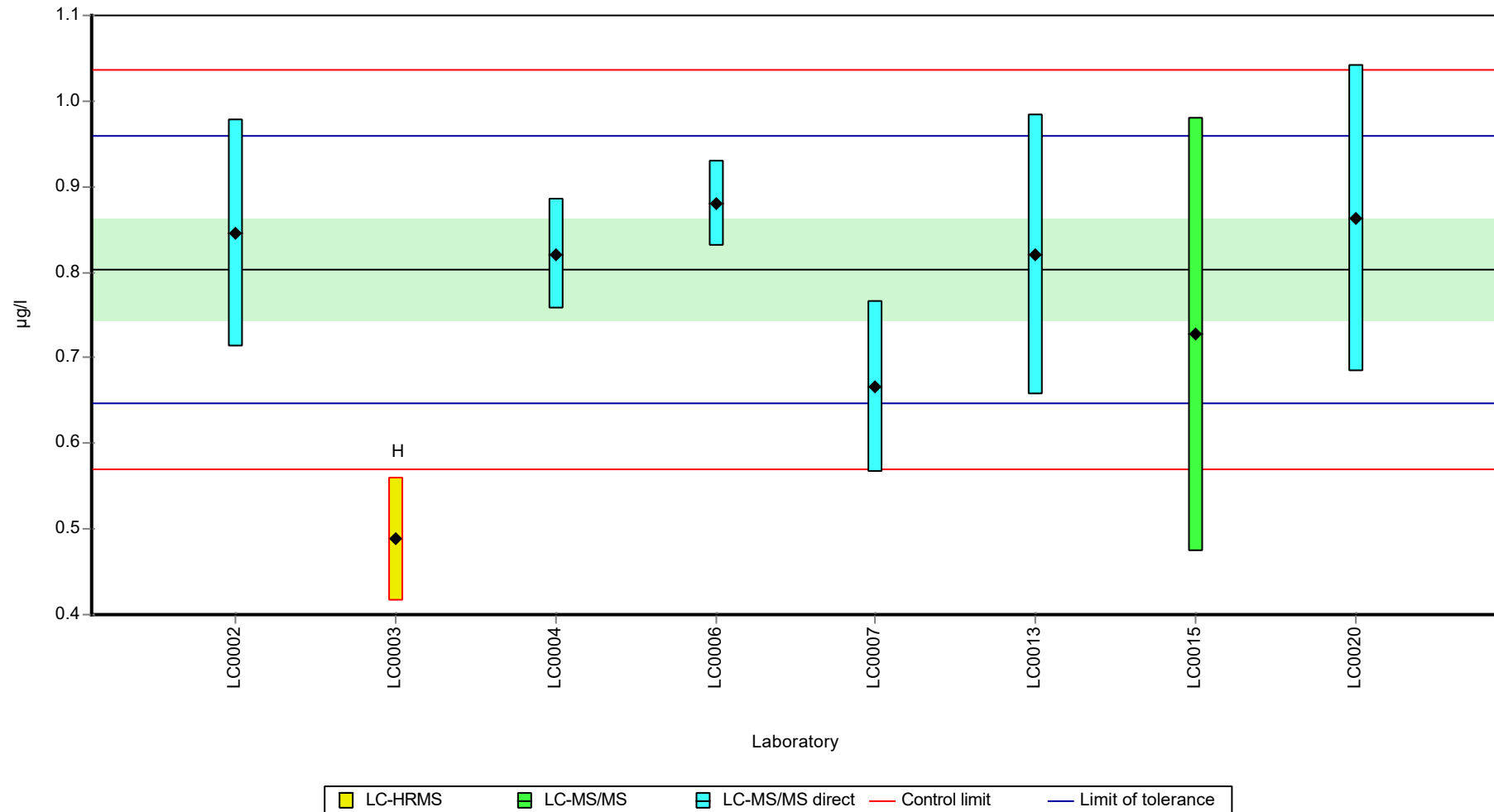
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	0.846	0.133	105	0.55	
LC0003	0.488	0.073	60.8	-4.05	H
LC0004	0.821	0.064	102	0.23	
LC0005	-	-	-	-	
LC0006	0.8797	0.0506	110	0.98	
LC0007	0.666	0.1	82.9	-1.76	
LC0008	-	-	-	-	
LC0009	-	-	-	-	
LC0010	-	-	-	-	
LC0011	-	-	-	-	
LC0012	-	-	-	-	
LC0013	0.82	0.164	102	0.21	
LC0014	-	-	-	-	
LC0015	0.727	0.254	90.5	-0.98	
LC0016	-	-	-	-	
LC0017	-	-	-	-	
LC0018	-	-	-	-	
LC0019	-	-	-	-	
LC0020	0.863	0.18	107	0.77	
LC0021	-	-	-	-	

#### Characteristics of parameter

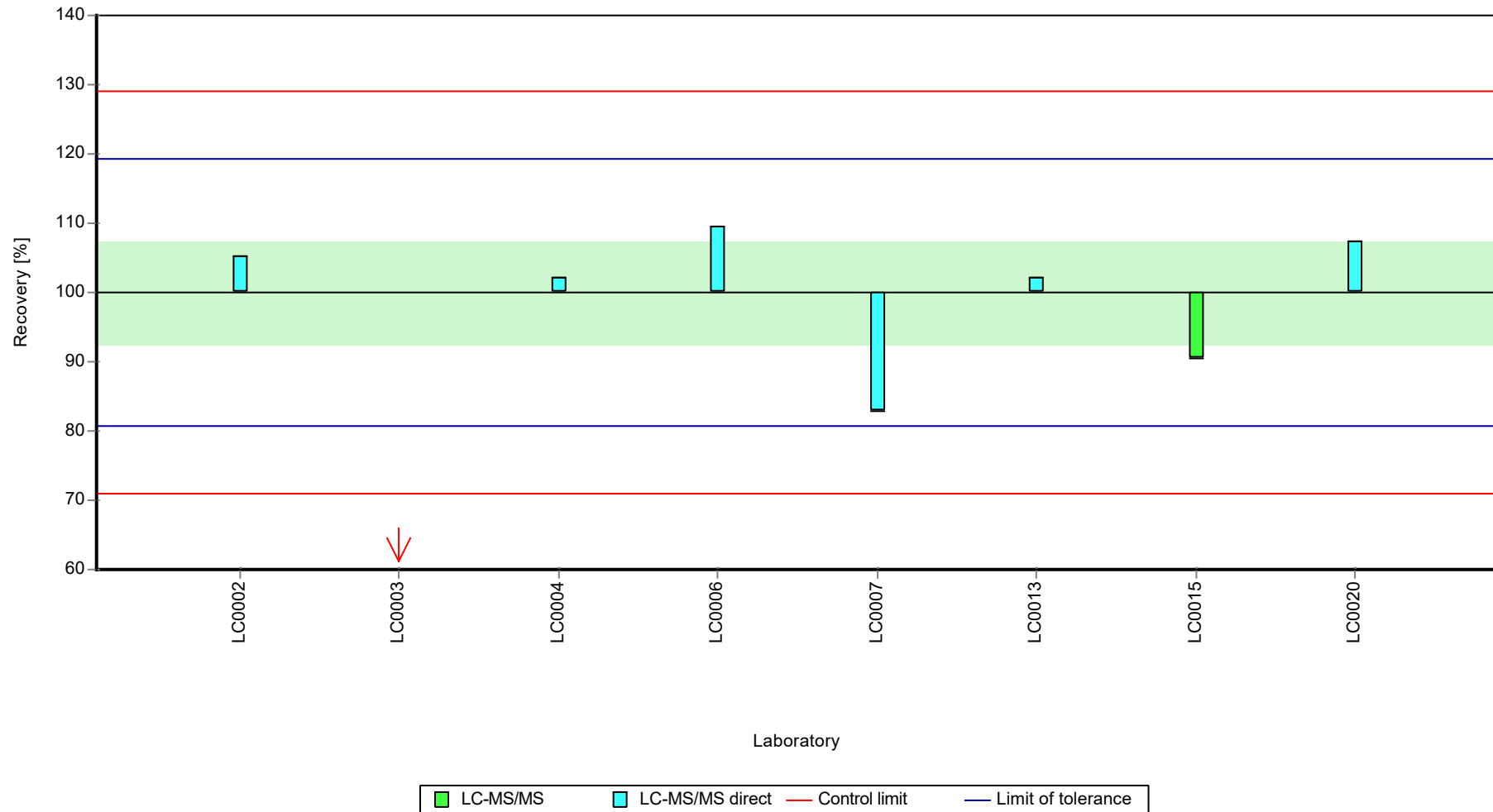
	all results	without outliers	Unit
Mean ± CI (99%)	0.764 ± 0.141	0.803 ± 0.0884	µg/l
Minimum	0.488	0.666	µg/l
Maximum	0.88	0.88	µg/l
Standard deviation	0.133	0.078	µg/l
rel. standard deviation	17.4	9.71	%
n	8	7	-

Graphical presentation of results

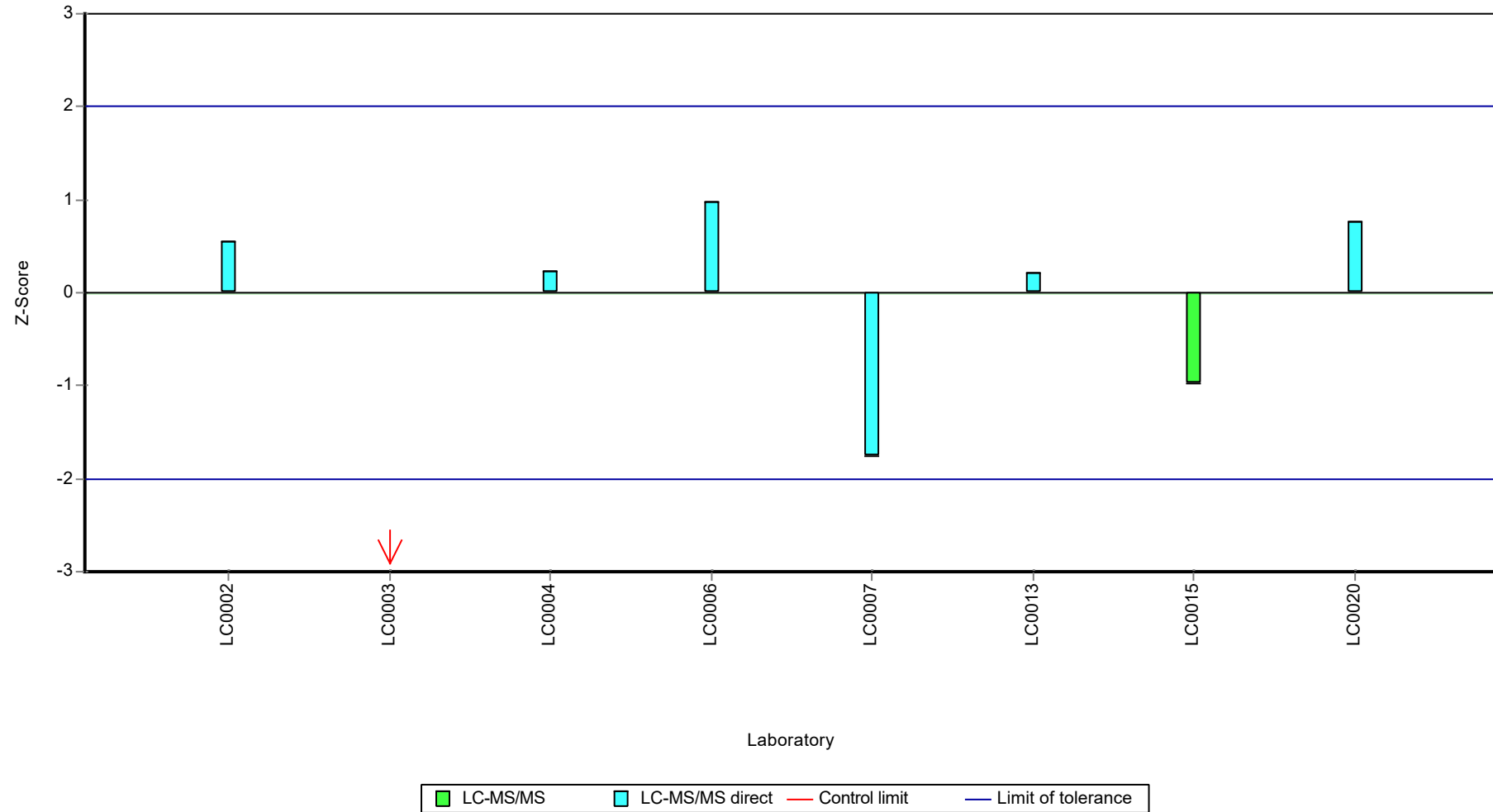
Results



**Recovery rate**



Z-score





## Parameter oriented report

### AZ8 A

#### Carbamazepine

Unit	µg/l
Assigned value ± U (k=2)	0.761 ± 0.0485
Criterion	0.099 (13 %)
Minimum - Maximum	0.606 - 1.03
Control test value ± U (k=2)	0.843 ± 0.126

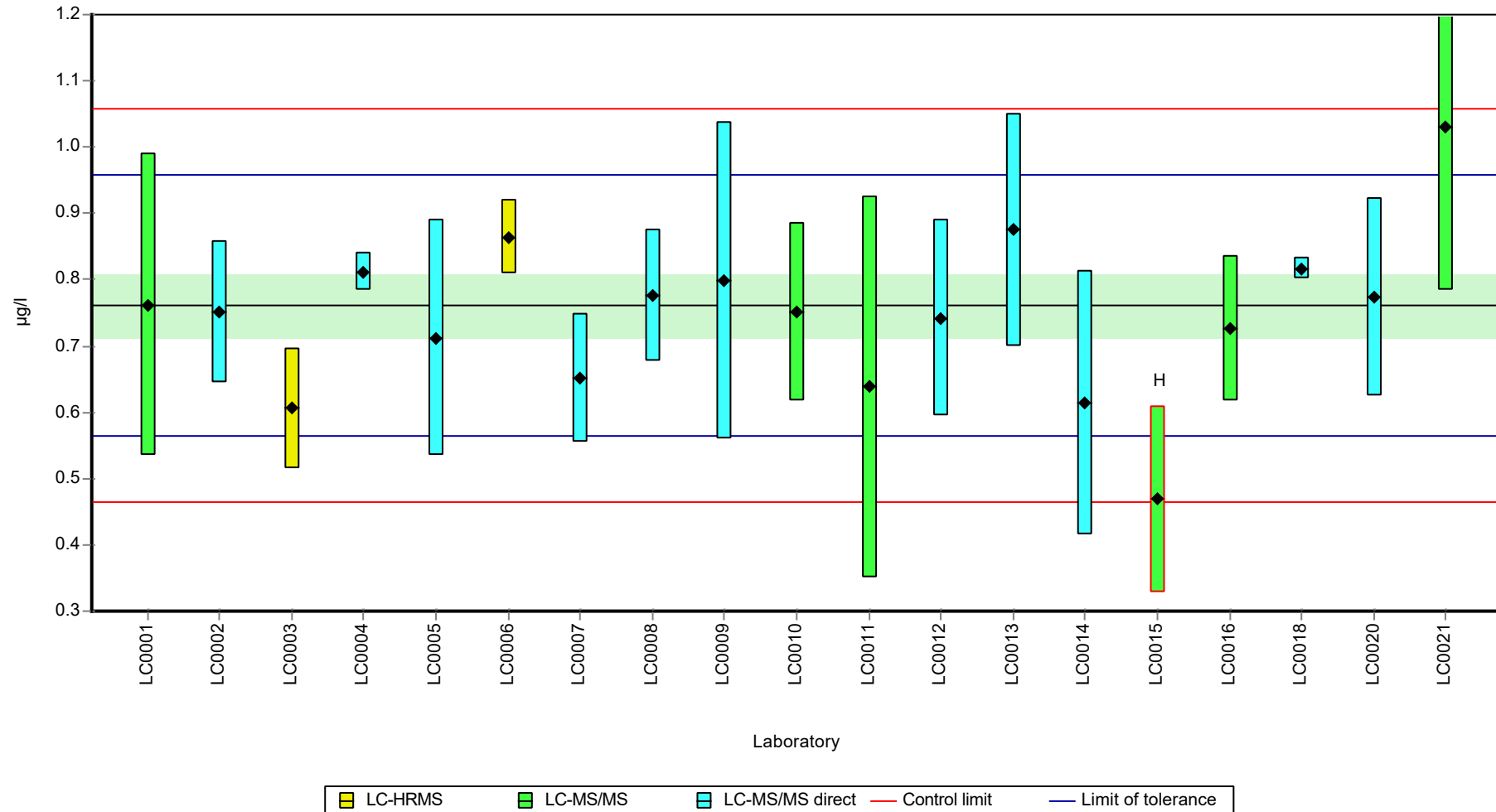
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.762	0.2286	100	0.01	
LC0002	0.752	0.107	98.8	-0.09	
LC0003	0.606	0.091	79.6	-1.57	
LC0004	0.812	0.028	107	0.51	
LC0005	0.712	0.178	93.5	-0.5	
LC0006	0.8643	0.0555	114	1.04	
LC0007	0.652	0.098	85.6	-1.1	
LC0008	0.776	0.099	102	0.15	
LC0009	0.799	0.24	105	0.38	
LC0010	0.752	0.135	98.8	-0.09	
LC0011	0.639	0.288	83.9	-1.24	
LC0012	0.742	0.148	97.5	-0.2	
LC0013	0.875	0.175	115	1.15	
LC0014	0.614	0.2	80.7	-1.49	
LC0015	0.469	0.141	61.6	-2.95	H
LC0016	0.726	0.109	95.4	-0.36	
LC0017	-	-	-	-	
LC0018	0.817	0.016	107	0.56	
LC0019	-	-	-	-	
LC0020	0.773	0.15	102	0.12	
LC0021	1.03	0.2472	135	2.72	

#### Characteristics of parameter

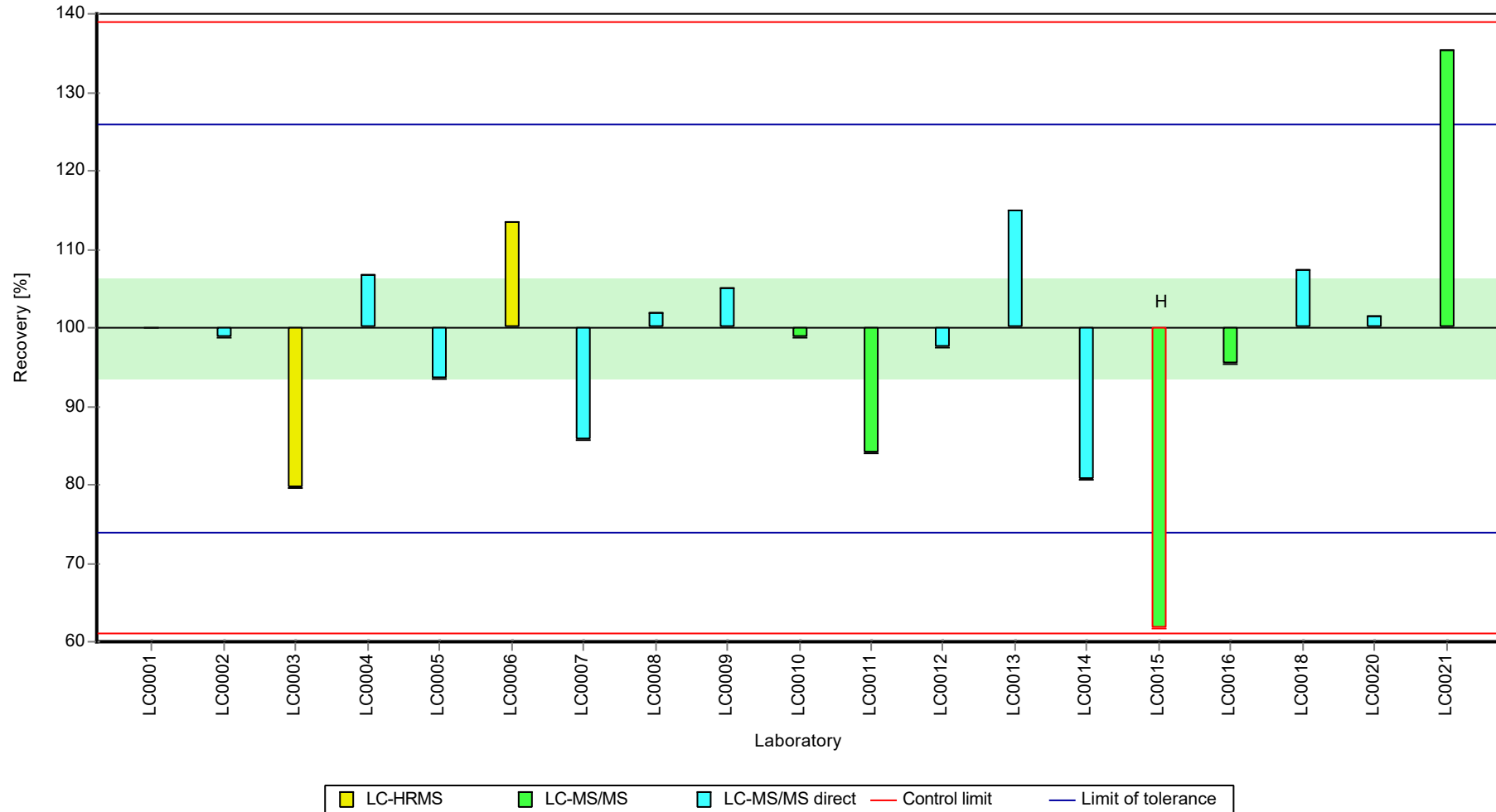
	all results	without outliers	Unit
Mean ± CI (99%)	0.746 ± 0.0829	0.761 ± 0.0728	µg/l
Minimum	0.469	0.606	µg/l
Maximum	1.03	1.03	µg/l
Standard deviation	0.12	0.103	µg/l
rel. standard deviation	16.1	13.5	%
n	19	18	-

Graphical presentation of results

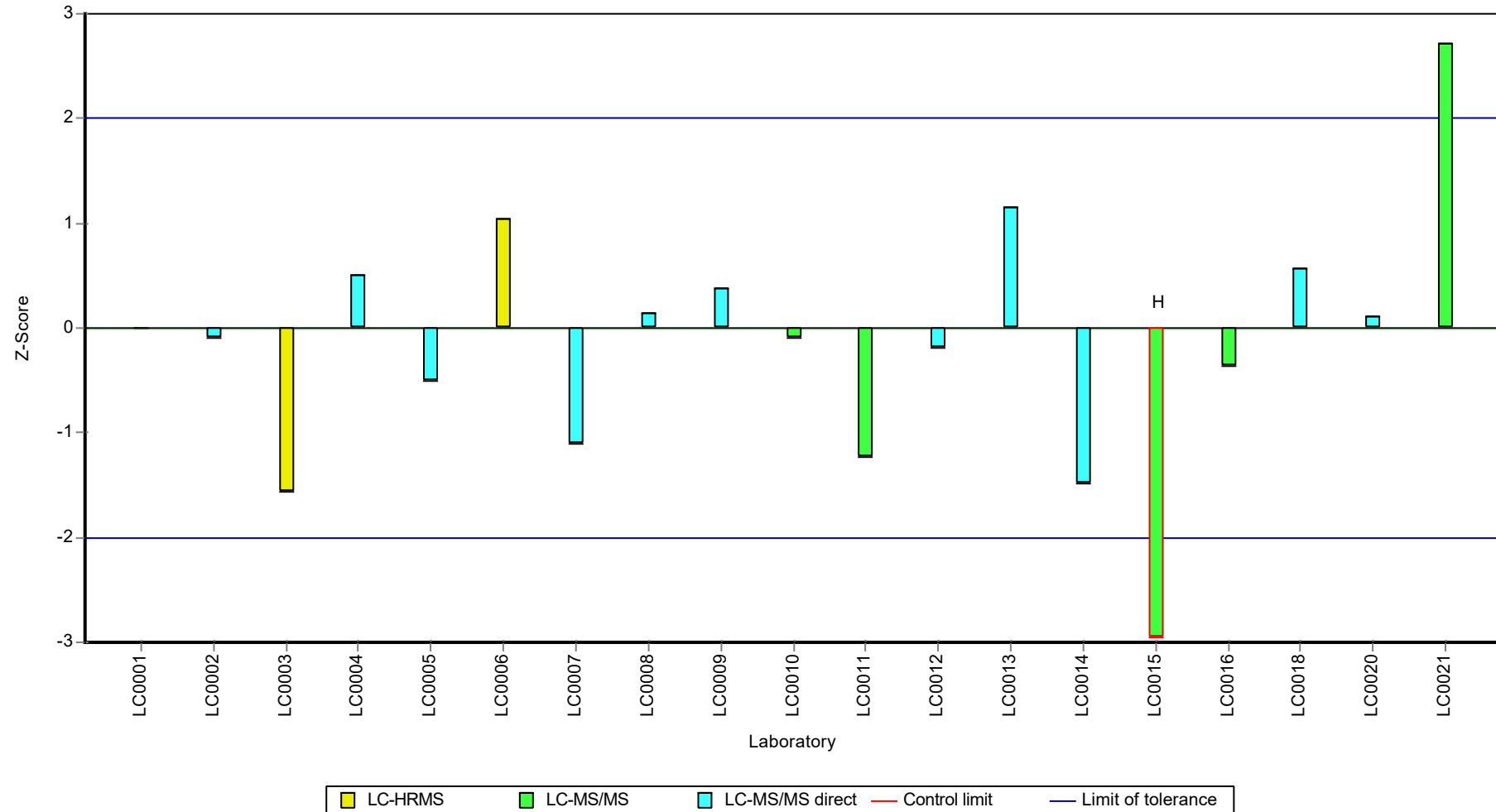
Results



**Recovery rate**



Z-score



## Parameter oriented report

### AZ8 B

#### Carbamazepine

Unit	µg/l
Assigned value ± U (k=2)	1.22 ± 0.0887
Criterion	0.158 (13 %)
Minimum - Maximum	0.752 - 1.48
Control test value ± U (k=2)	1.43 ± 0.215

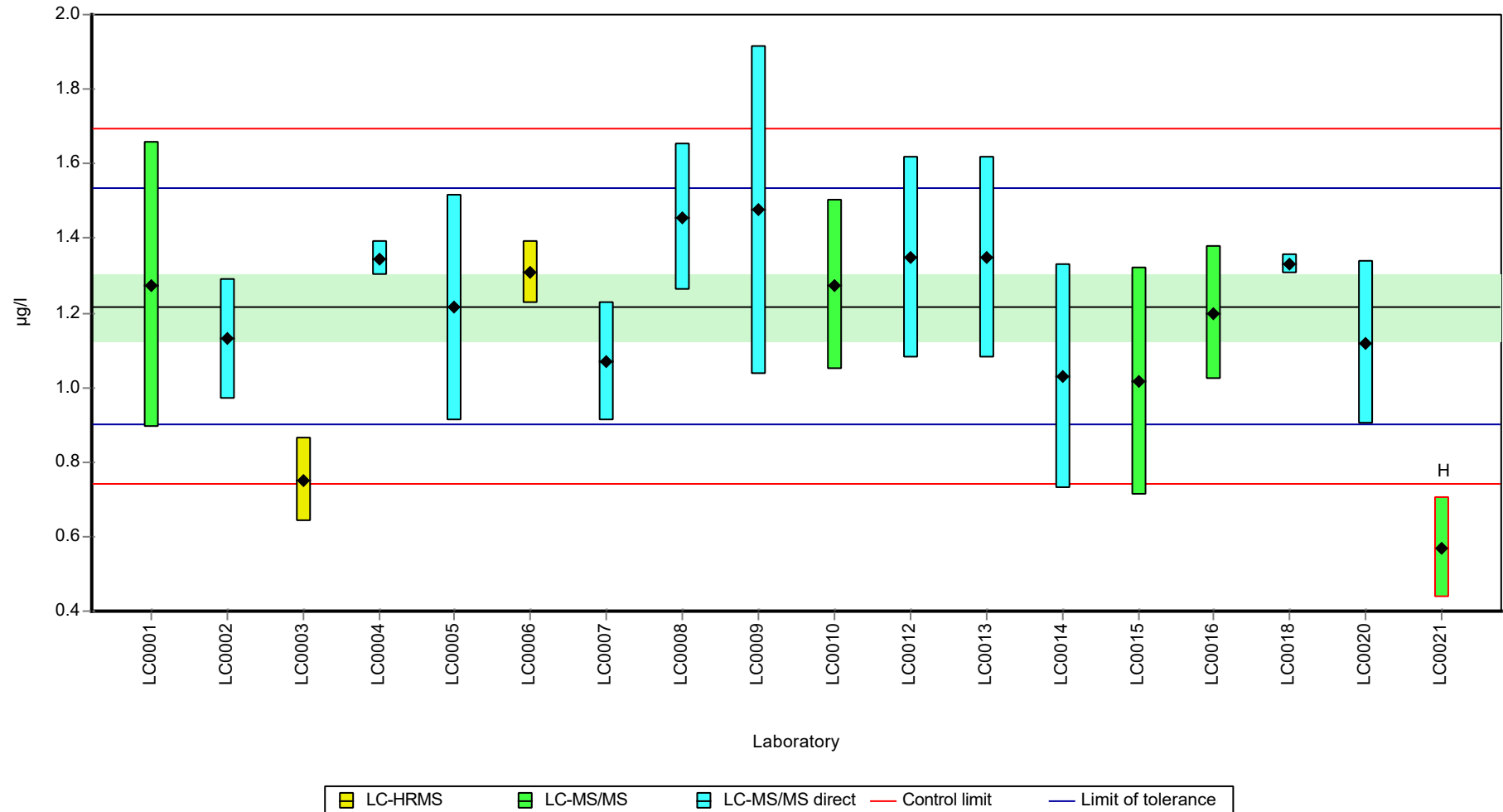
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	1.275	0.3825	105	0.36	
LC0002	1.13	0.162	92.8	-0.55	
LC0003	0.752	0.113	61.8	-2.94	
LC0004	1.346	0.046	111	0.81	
LC0005	1.214	0.303	99.7	-0.02	
LC0006	1.31	0.0842	108	0.58	
LC0007	1.069	0.16	87.8	-0.94	
LC0008	1.457	0.196	120	1.51	
LC0009	1.475	0.443	121	1.63	
LC0010	1.274	0.229	105	0.36	
LC0011	-	-	-	-	
LC0012	1.35	0.27	111	0.84	
LC0013	1.35	0.27	111	0.84	
LC0014	1.03	0.3	84.6	-1.18	
LC0015	1.015	0.305	83.4	-1.28	
LC0016	1.2	0.18	98.6	-0.11	
LC0017	-	-	-	-	
LC0018	1.33	0.026	109	0.71	
LC0019	-	-	-	-	
LC0020	1.119	0.22	91.9	-0.62	
LC0021	0.57	0.1363	46.8	-4.09	H

#### Characteristics of parameter

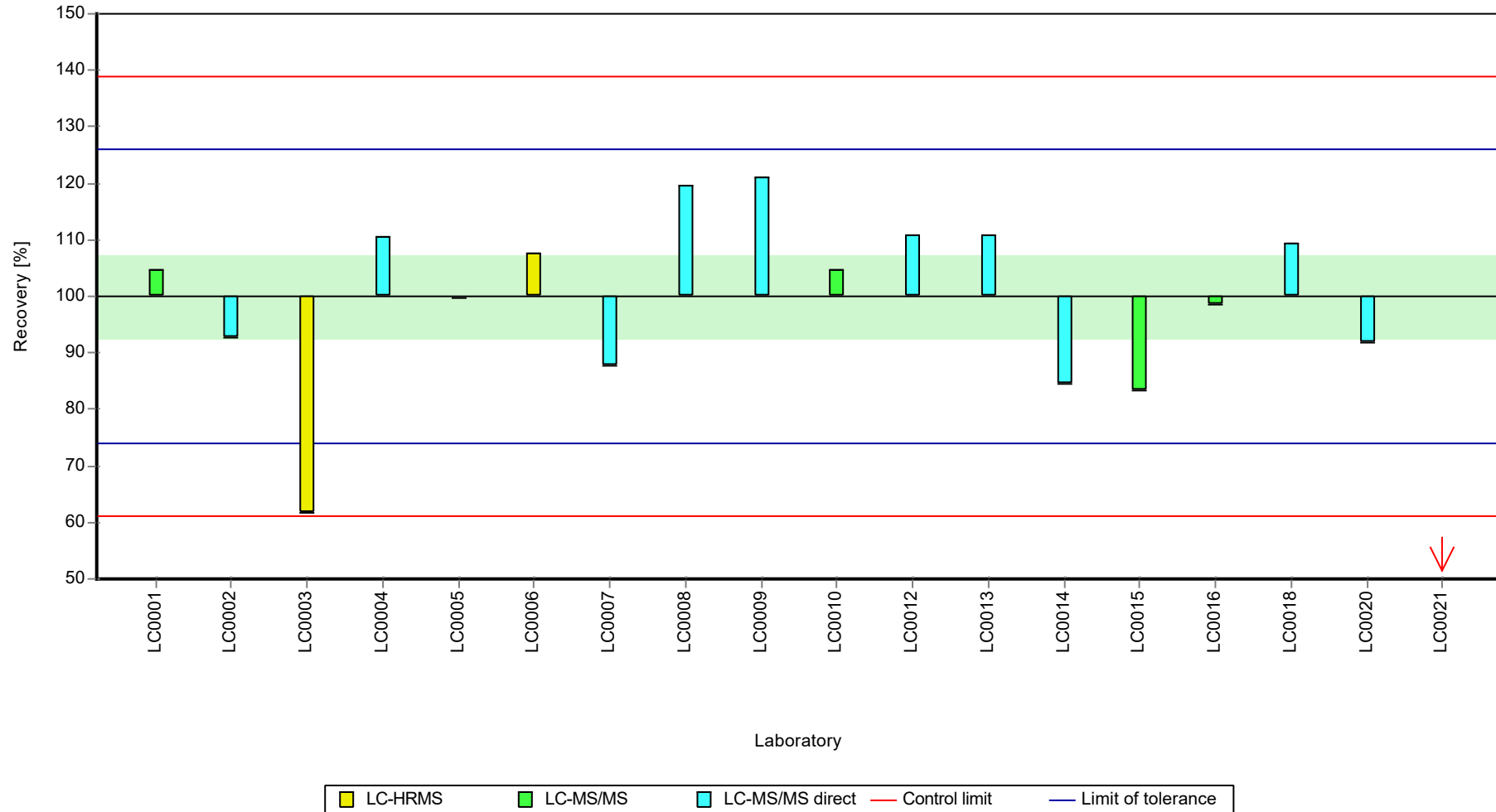
	all results	without outliers	Unit
Mean ± CI (99%)	1.18 ± 0.166	1.22 ± 0.133	µg/l
Minimum	0.57	0.752	µg/l
Maximum	1.48	1.48	µg/l
Standard deviation	0.234	0.183	µg/l
rel. standard deviation	19.8	15 %	
n	18	17	-

Graphical presentation of results

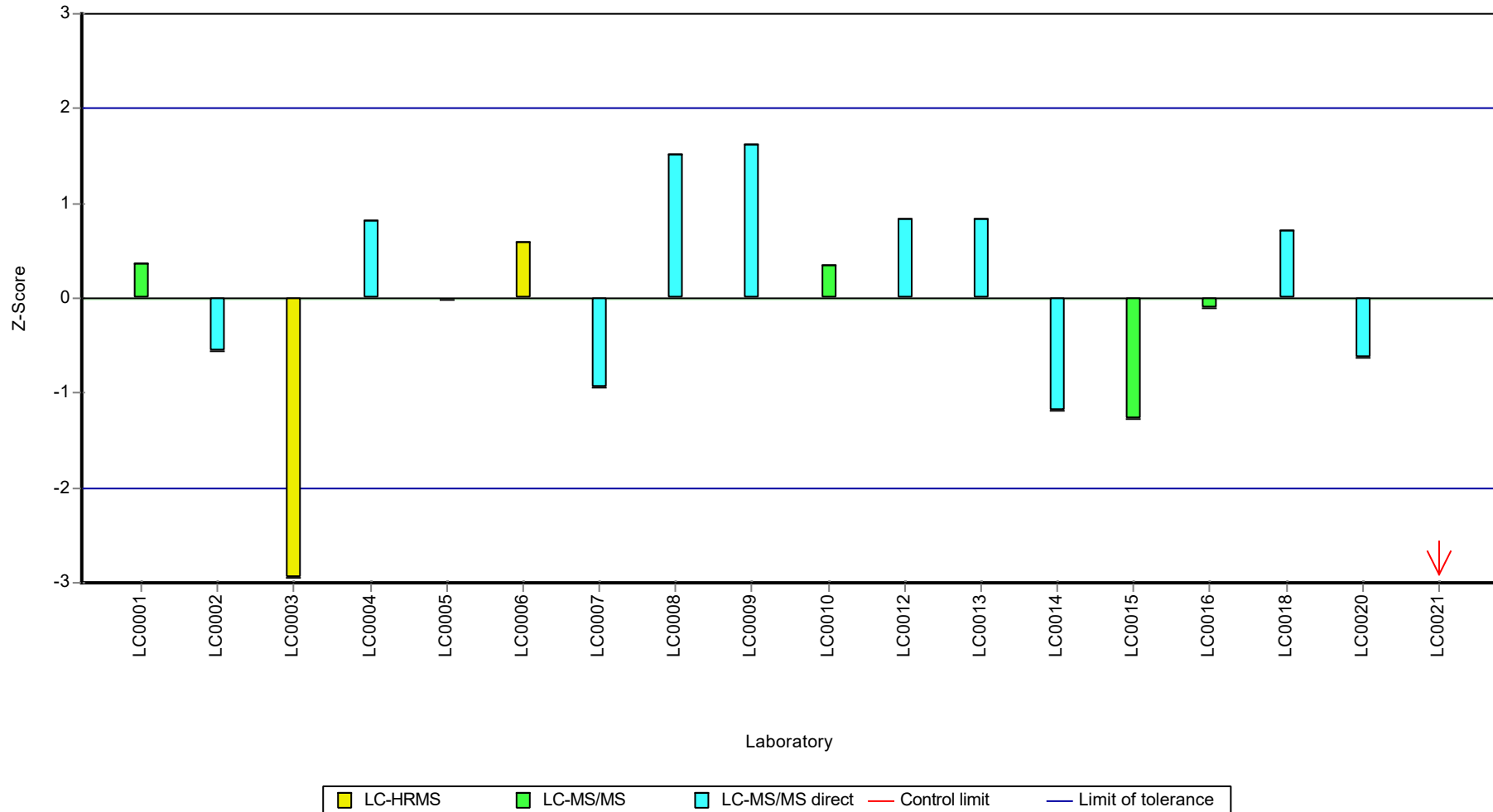
Results



**Recovery rate**



Z-score





## Parameter oriented report

### AZ8 A

#### Cyclamate

Unit	µg/l
Assigned value ± U (k=2)	0.912 ± 0.0795
Criterion	0.137 (15 %)
Minimum - Maximum	0.615 - 1.16
Control test value ± U (k=2)	1.10 ± 0.331

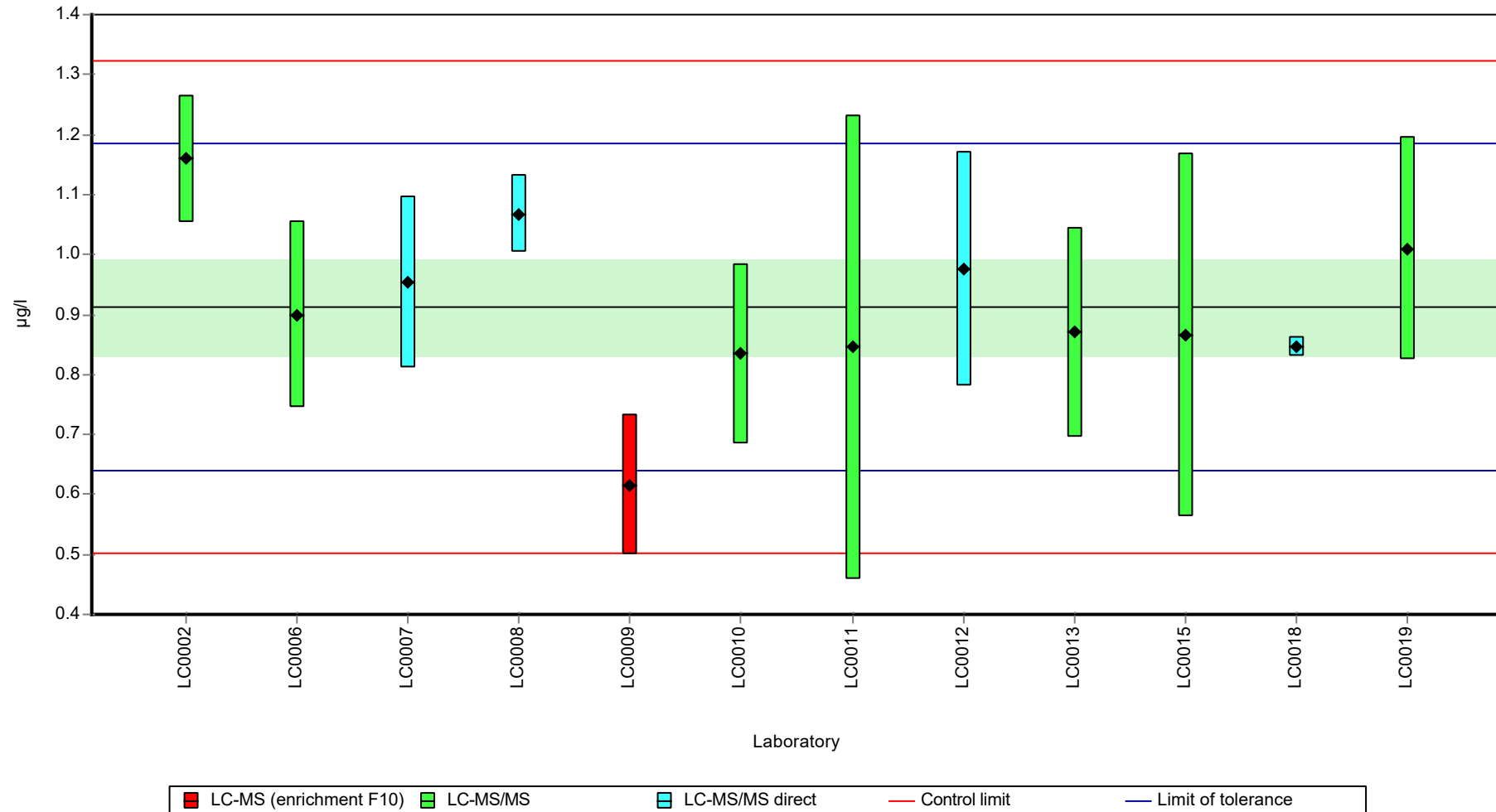
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	1.16	0.106	127	1.81	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	-	-	-	-	
LC0006	0.9	0.1562	98.7	-0.09	
LC0007	0.953	0.143	105	0.3	
LC0008	1.068	0.065	117	1.14	
LC0009	0.615	0.117	67.4	-2.17	
LC0010	0.834	0.15	91.5	-0.57	
LC0011	0.845	0.388	92.7	-0.49	
LC0012	0.976	0.195	107	0.47	
LC0013	0.87	0.174	95.4	-0.31	
LC0014	-	-	-	-	
LC0015	0.865	0.303	94.9	-0.34	
LC0016	-	-	-	-	
LC0017	-	-	-	-	
LC0018	0.847	0.017	92.9	-0.47	
LC0019	1.0102	0.1857	111	0.72	
LC0020	-	-	-	-	
LC0021	-	-	-	-	

#### Characteristics of parameter

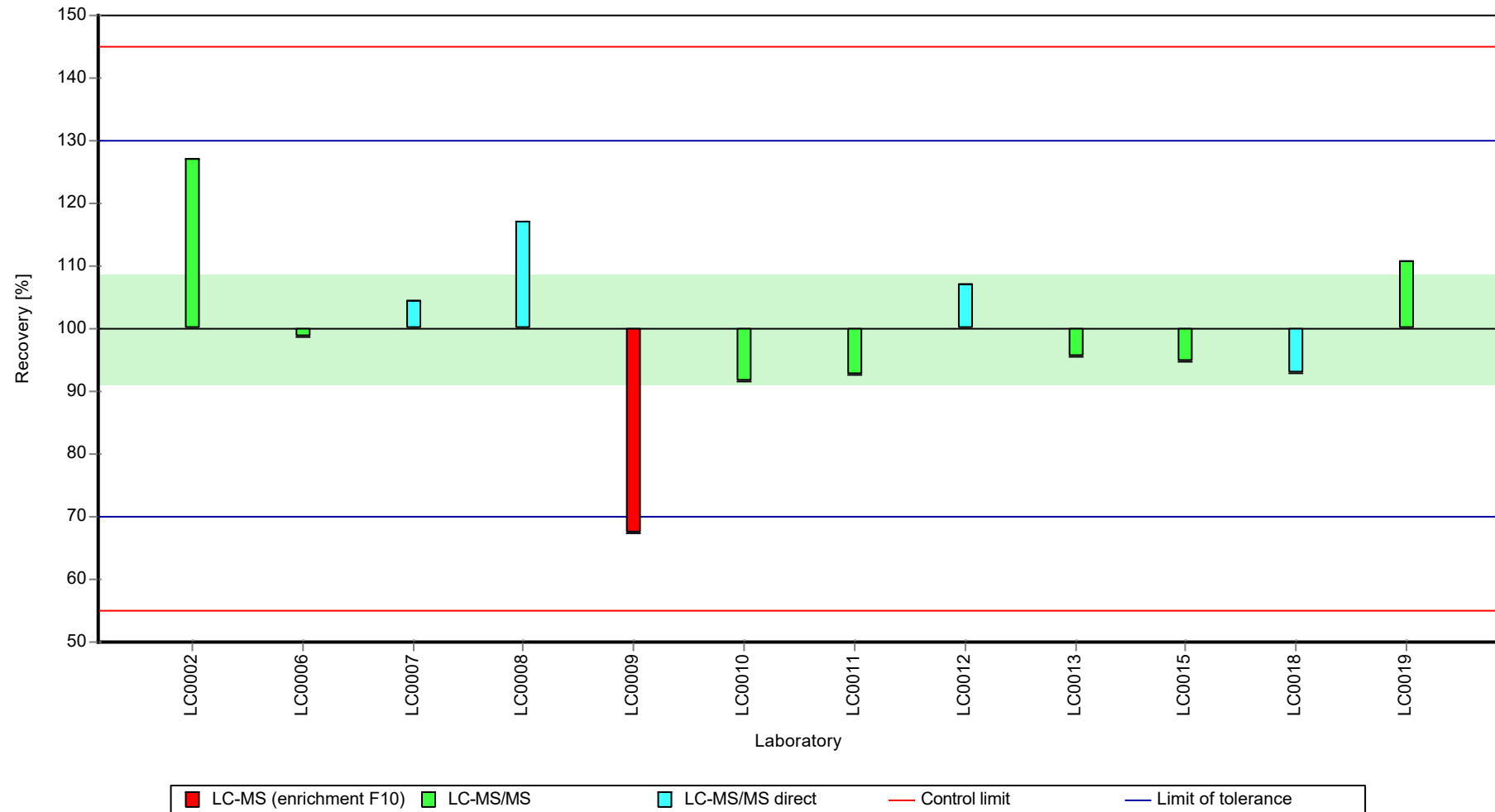
	all results	without outliers	Unit
Mean ± CI (99%)	0.912 ± 0.119	0.912 ± 0.119	µg/l
Minimum	0.615	0.615	µg/l
Maximum	1.16	1.16	µg/l
Standard deviation	0.138	0.138	µg/l
rel. standard deviation	15.1	15.1	%
n	12	12	-

Graphical presentation of results

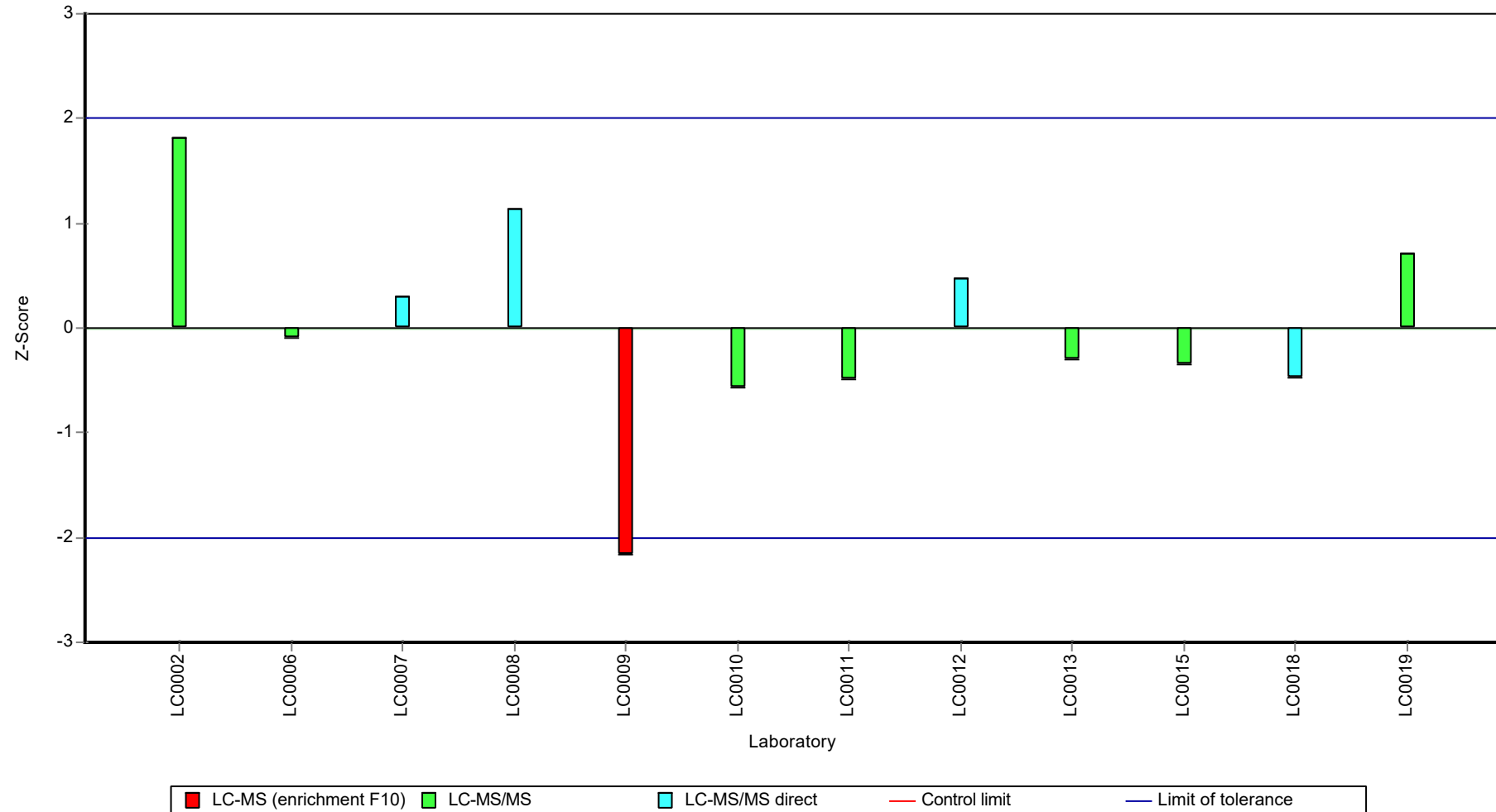
Results



**Recovery rate**



Z-score



## Parameter oriented report

### AZ8 B

#### Cyclamate

Unit	µg/l
Assigned value ± U (k=2)	0.622 ± 0.138
Criterion	0.168 (27 %)
Minimum - Maximum	0.422 - 0.92
Control test value ± U (k=2)	0.649 ± 0.195

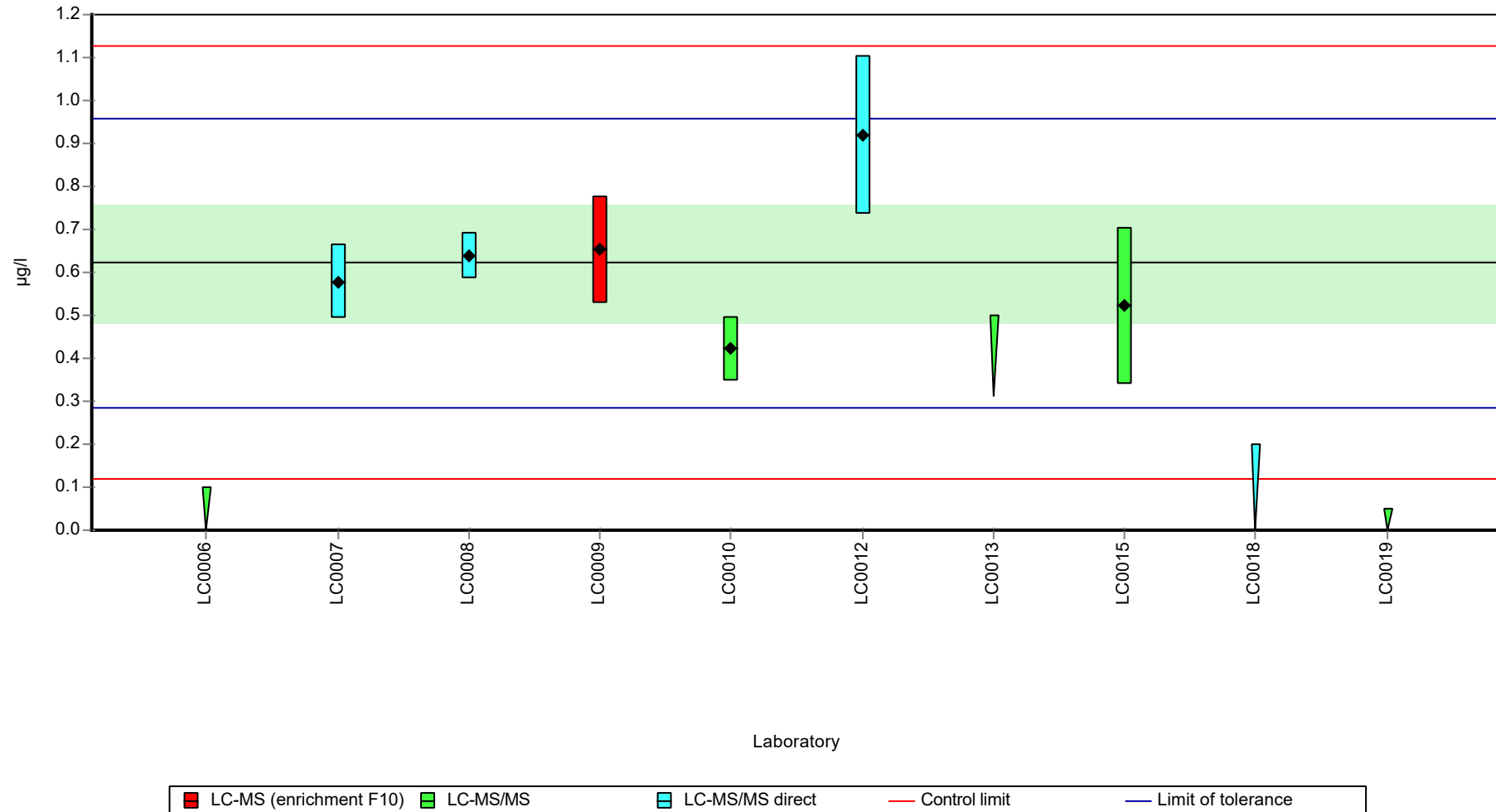
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	-	-	-	-	
LC0006	< 0.1 (LOQ)	-	-	-	FN
LC0007	0.578	0.087	92.9	-0.26	
LC0008	0.638	0.055	103	0.1	
LC0009	0.652	0.124	105	0.18	
LC0010	0.422	0.076	67.8	-1.19	
LC0011	-	-	-	-	
LC0012	0.92	0.184	148	1.77	
LC0013	< 0.5 (LOQ)	-	-	-	
LC0014	-	-	-	-	
LC0015	0.522	0.183	83.9	-0.59	
LC0016	-	-	-	-	
LC0017	-	-	-	-	
LC0018	<0.2 (LOD)	-	-	-	FN
LC0019	< 0.05 (LOQ)	-	-	-	FN
LC0020	-	-	-	-	
LC0021	-	-	-	-	

#### Characteristics of parameter

	all results	without outliers	Unit
Mean ± CI (99%)	0.622 ± 0.206	0.622 ± 0.206	µg/l
Minimum	0.422	0.422	µg/l
Maximum	0.92	0.92	µg/l
Standard deviation	0.168	0.168	µg/l
rel. standard deviation	27.1	27.1	%
n	6	6	-

Graphical presentation of results

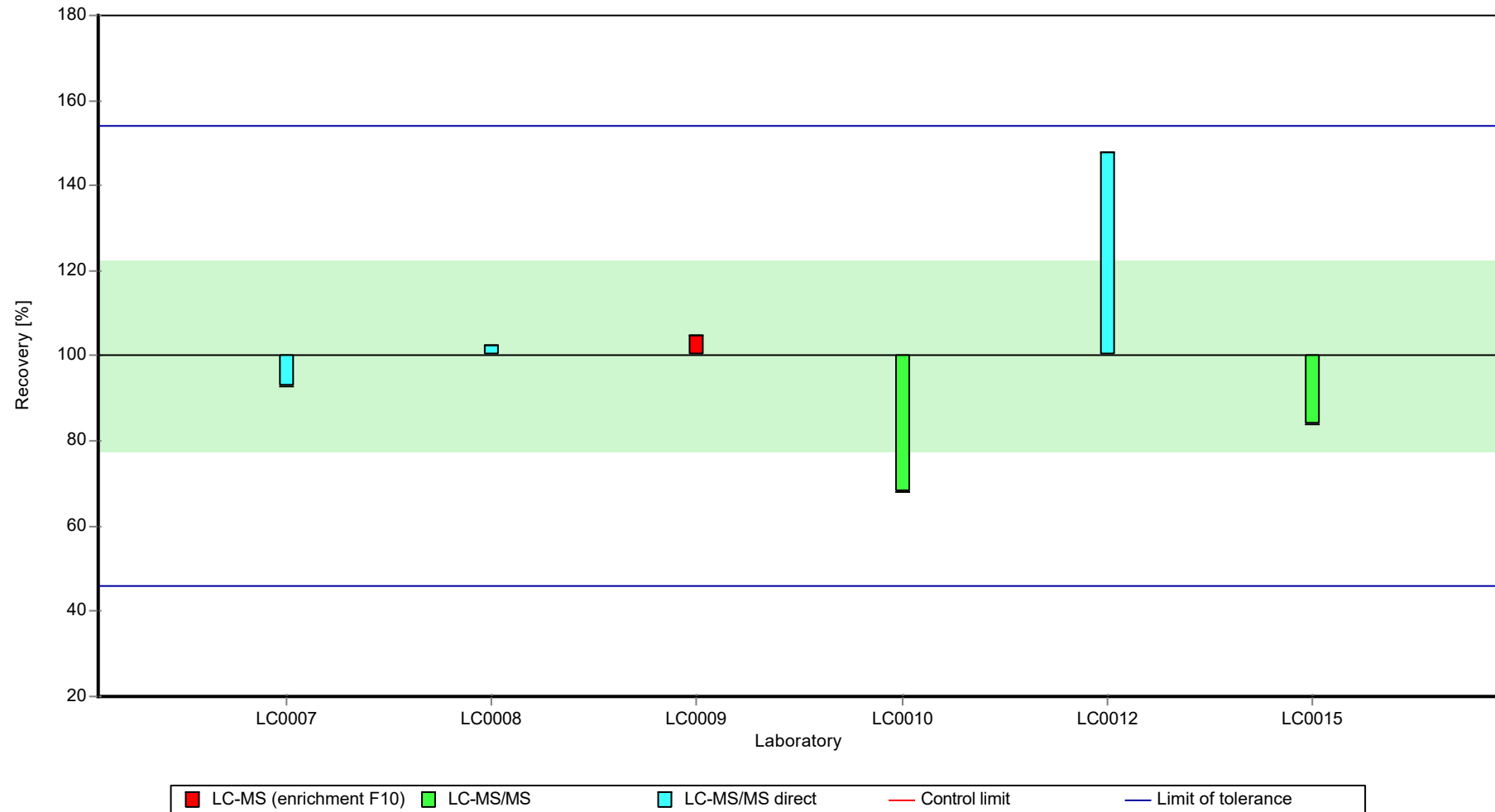
Results



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ8

Sample: AZ8B, Parameter: Cyclamate

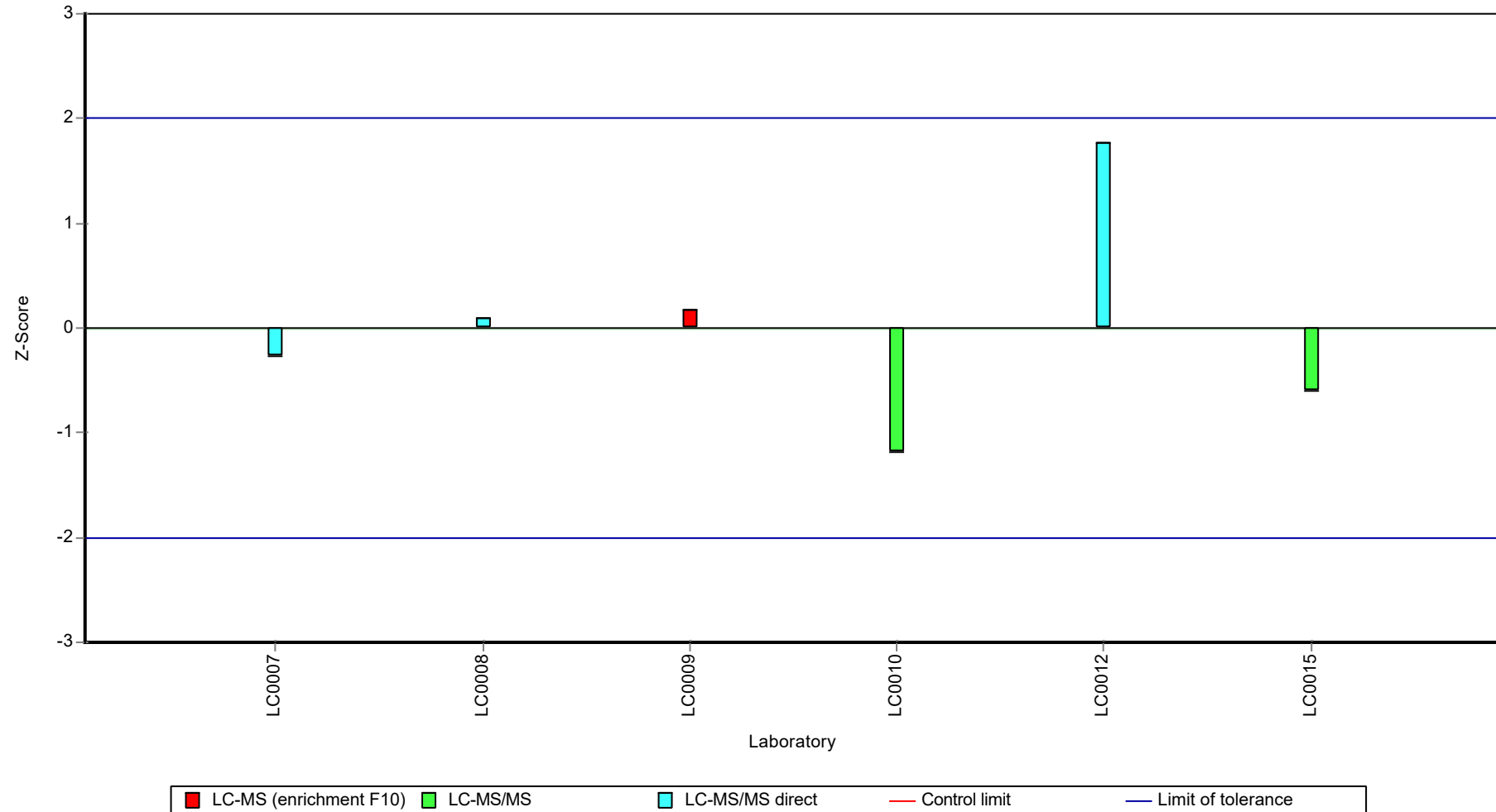
**Recovery rate**



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ8

Sample: AZ8B, Parameter: Cyclamate

**Z-score**





## Parameter oriented report

### AZ8 A

#### Diazepam

Unit	µg/l
Assigned value ± U (k=2)	0.595 ± 0.0559
Criterion	0.0833 (14 %)
Minimum - Maximum	0.458 - 0.673
Control test value ± U (k=2)	0.657 ± 0.0986

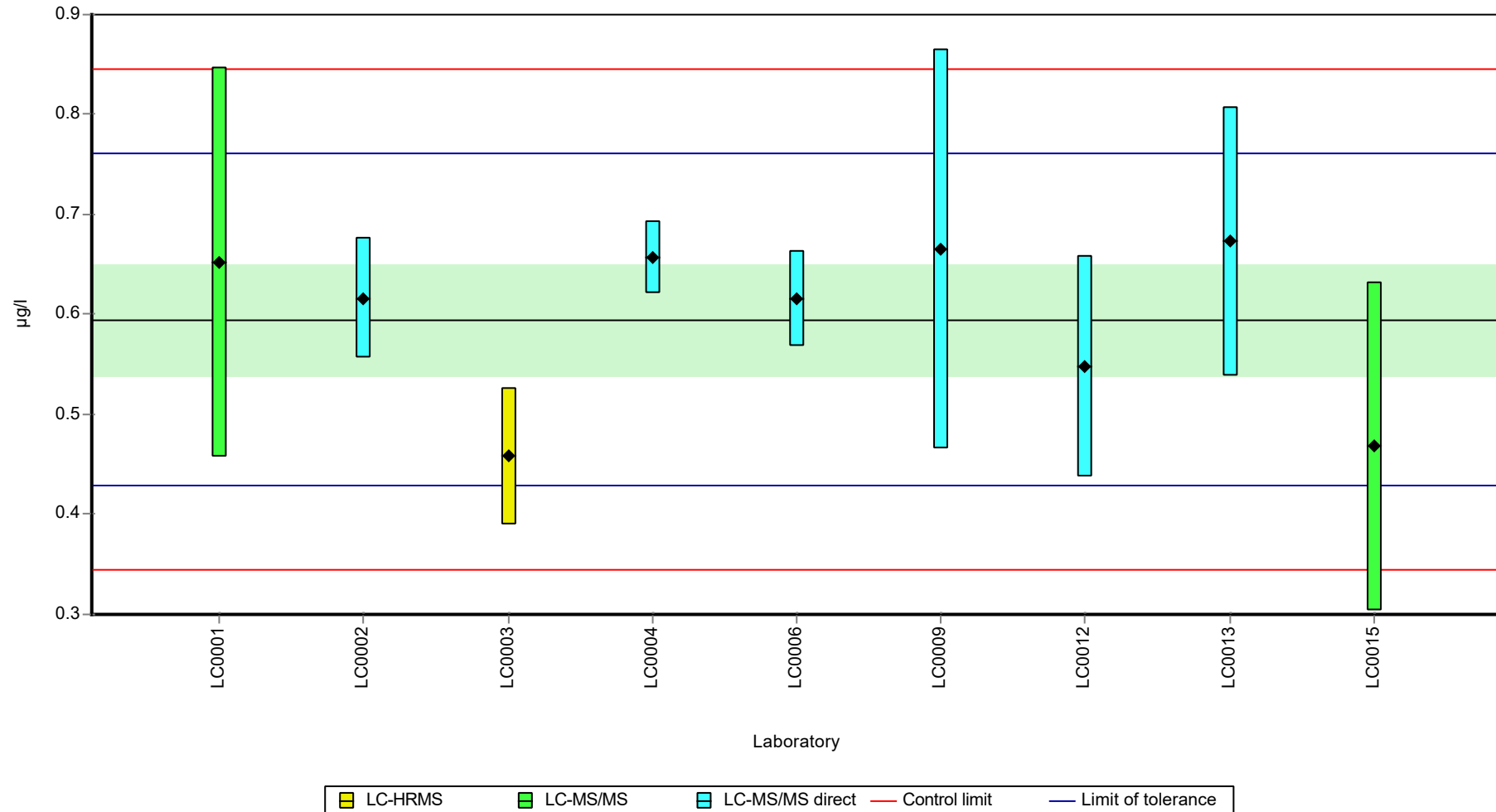
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.652	0.1956	110	0.69	
LC0002	0.616	0.0604	104	0.25	
LC0003	0.458	0.069	77	-1.64	
LC0004	0.657	0.037	110	0.75	
LC0005	-	-	-	-	
LC0006	0.6153	0.0483	103	0.25	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	0.666	0.2	112	0.85	
LC0010	-	-	-	-	
LC0011	-	-	-	-	
LC0012	0.548	0.11	92.1	-0.56	
LC0013	0.673	0.1346	113	0.94	
LC0014	-	-	-	-	
LC0015	0.468	0.164	78.7	-1.52	
LC0016	-	-	-	-	
LC0017	-	-	-	-	
LC0018	-	-	-	-	
LC0019	-	-	-	-	
LC0020	-	-	-	-	
LC0021	-	-	-	-	

#### Characteristics of parameter

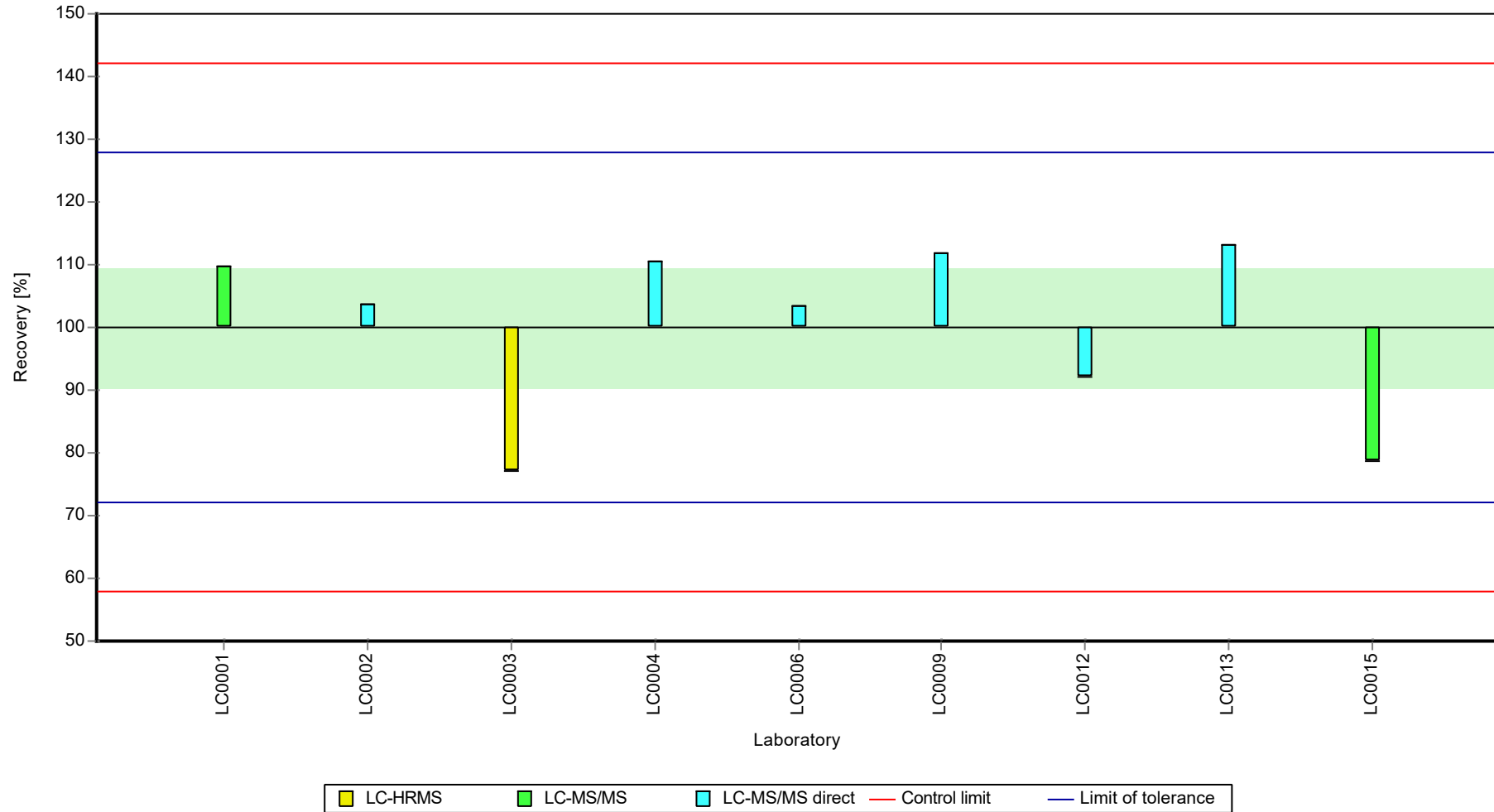
	all results	without outliers	Unit
Mean ± CI (99%)	0.595 ± 0.0838	0.595 ± 0.0838	µg/l
Minimum	0.458	0.458	µg/l
Maximum	0.673	0.673	µg/l
Standard deviation	0.0838	0.0838	µg/l
rel. standard deviation	14.1	14.1	%
n	9	9	-

Graphical presentation of results

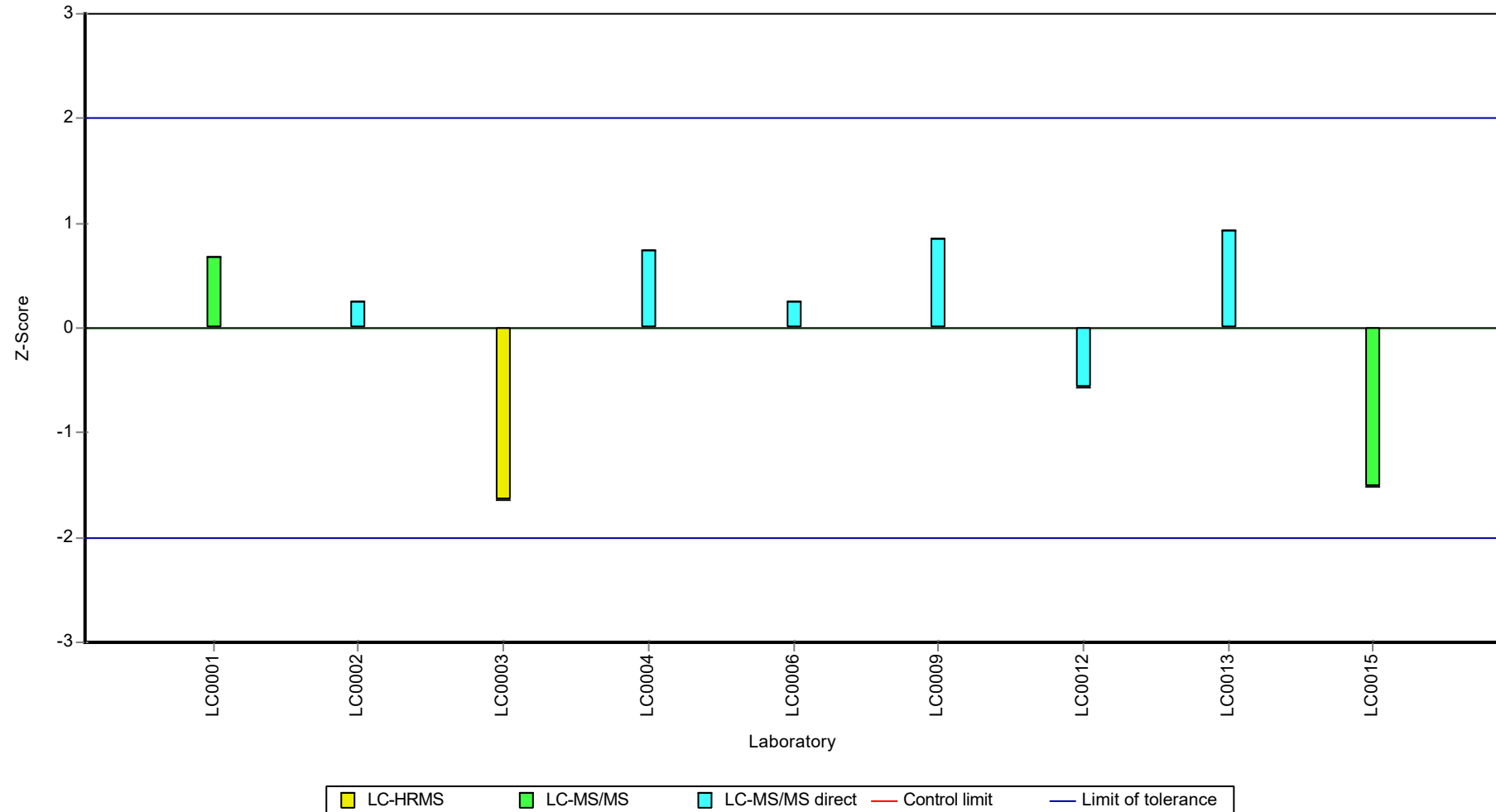
Results



**Recovery rate**



Z-score



## Parameter oriented report

### AZ8 B

#### Diazepam

Unit	µg/l
Assigned value ± U (k=2)	0.572 ± 0.0588
Criterion	0.0858 (15 %)
Minimum - Maximum	0.412 - 0.646
Control test value ± U (k=2)	0.621 ± 0.0932

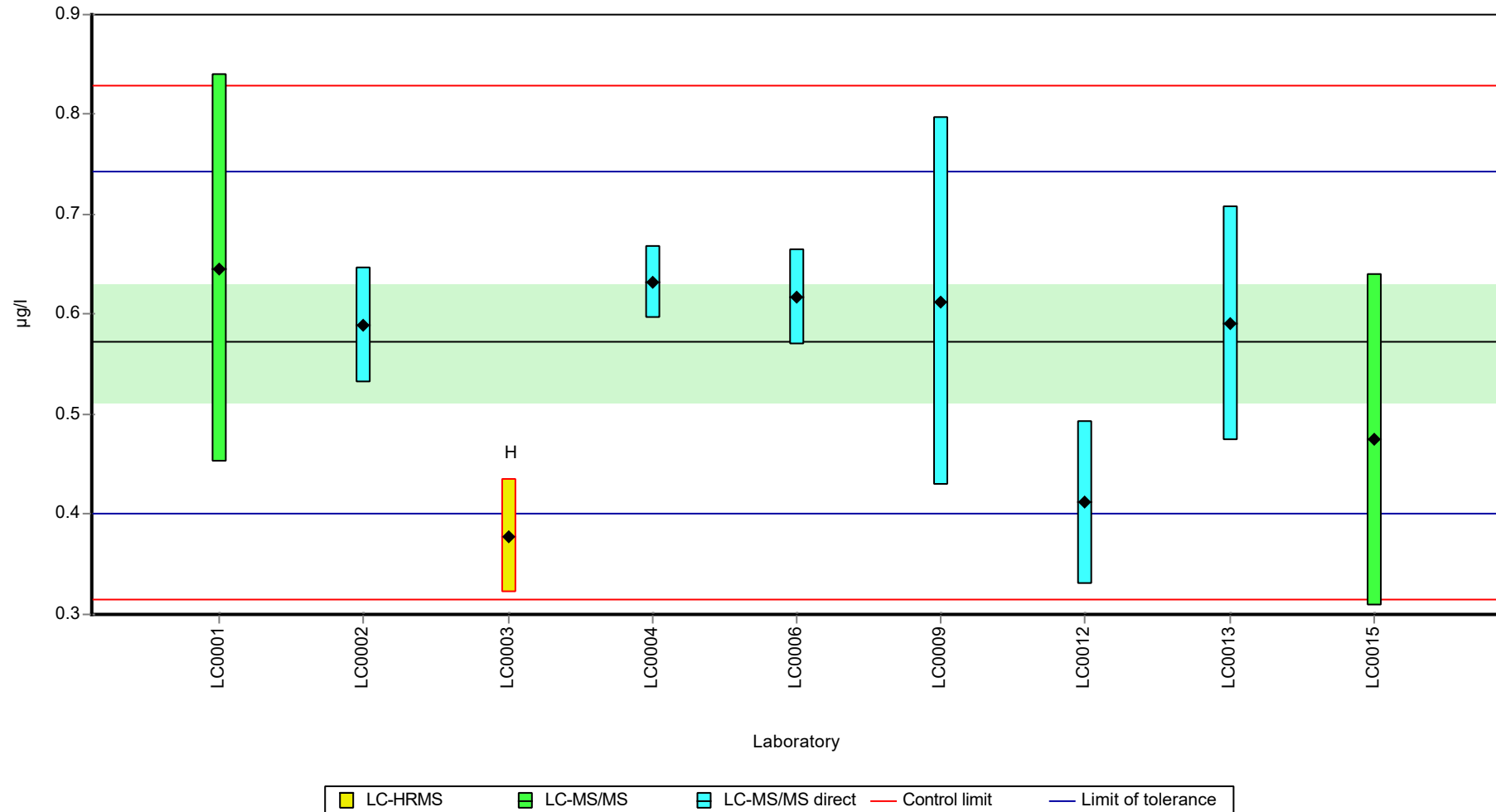
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.646	0.1938	113	0.86	
LC0002	0.59	0.0579	103	0.21	
LC0003	0.378	0.057	66.1	-2.26	H
LC0004	0.632	0.036	110	0.7	
LC0005	-	-	-	-	
LC0006	0.617	0.0484	108	0.52	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	0.613	0.184	107	0.48	
LC0010	-	-	-	-	
LC0011	-	-	-	-	
LC0012	0.412	0.082	72	-1.86	
LC0013	0.591	0.118	103	0.22	
LC0014	-	-	-	-	
LC0015	0.475	0.166	83	-1.13	
LC0016	-	-	-	-	
LC0017	-	-	-	-	
LC0018	-	-	-	-	
LC0019	-	-	-	-	
LC0020	-	-	-	-	
LC0021	-	-	-	-	

#### Characteristics of parameter

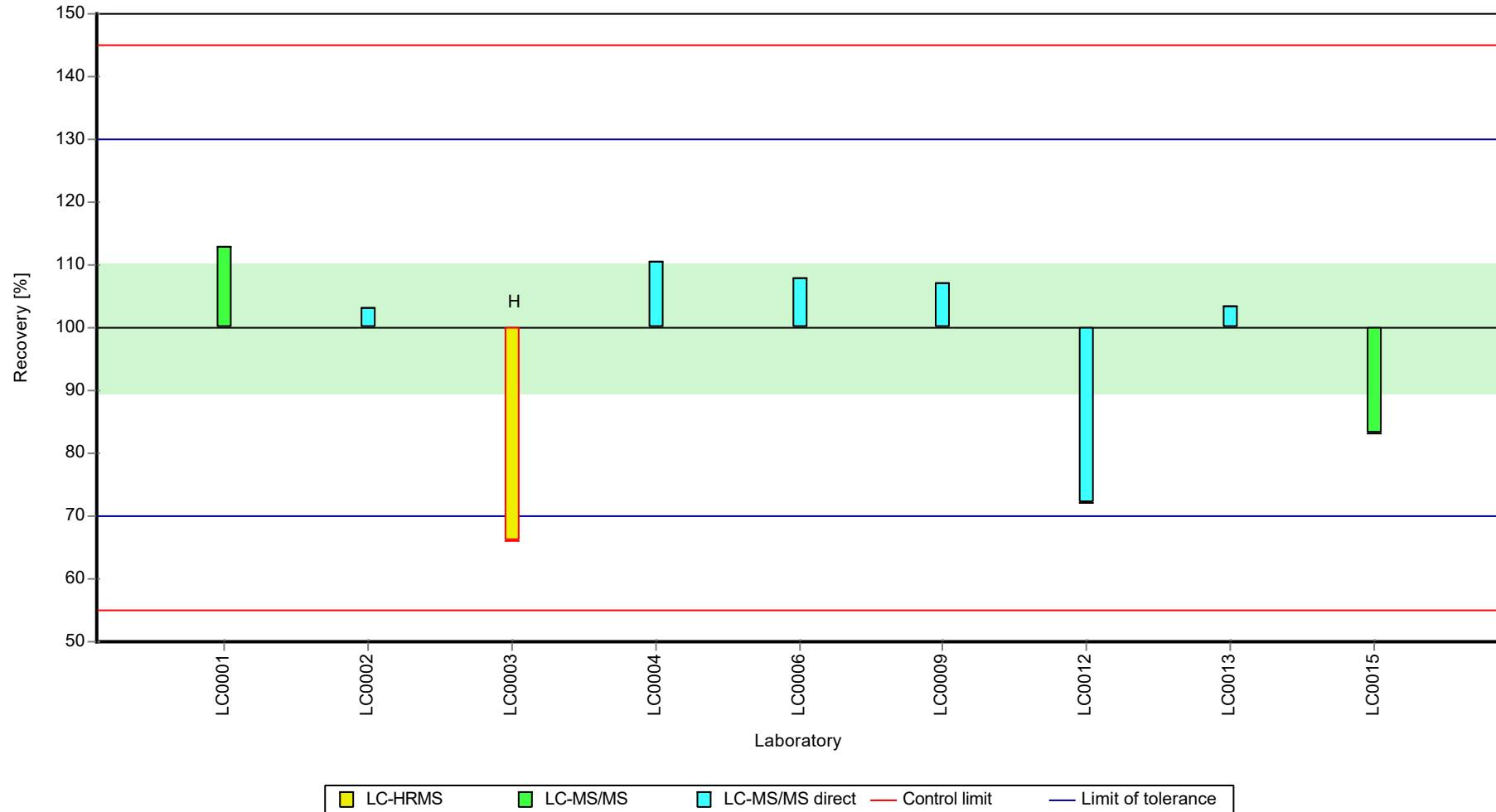
	all results	without outliers	Unit
Mean ± CI (99%)	0.55 ± 0.101	0.572 ± 0.0883	µg/l
Minimum	0.378	0.412	µg/l
Maximum	0.646	0.646	µg/l
Standard deviation	0.101	0.0832	µg/l
rel. standard deviation	18.4	14.5	%
n	9	8	-

Graphical presentation of results

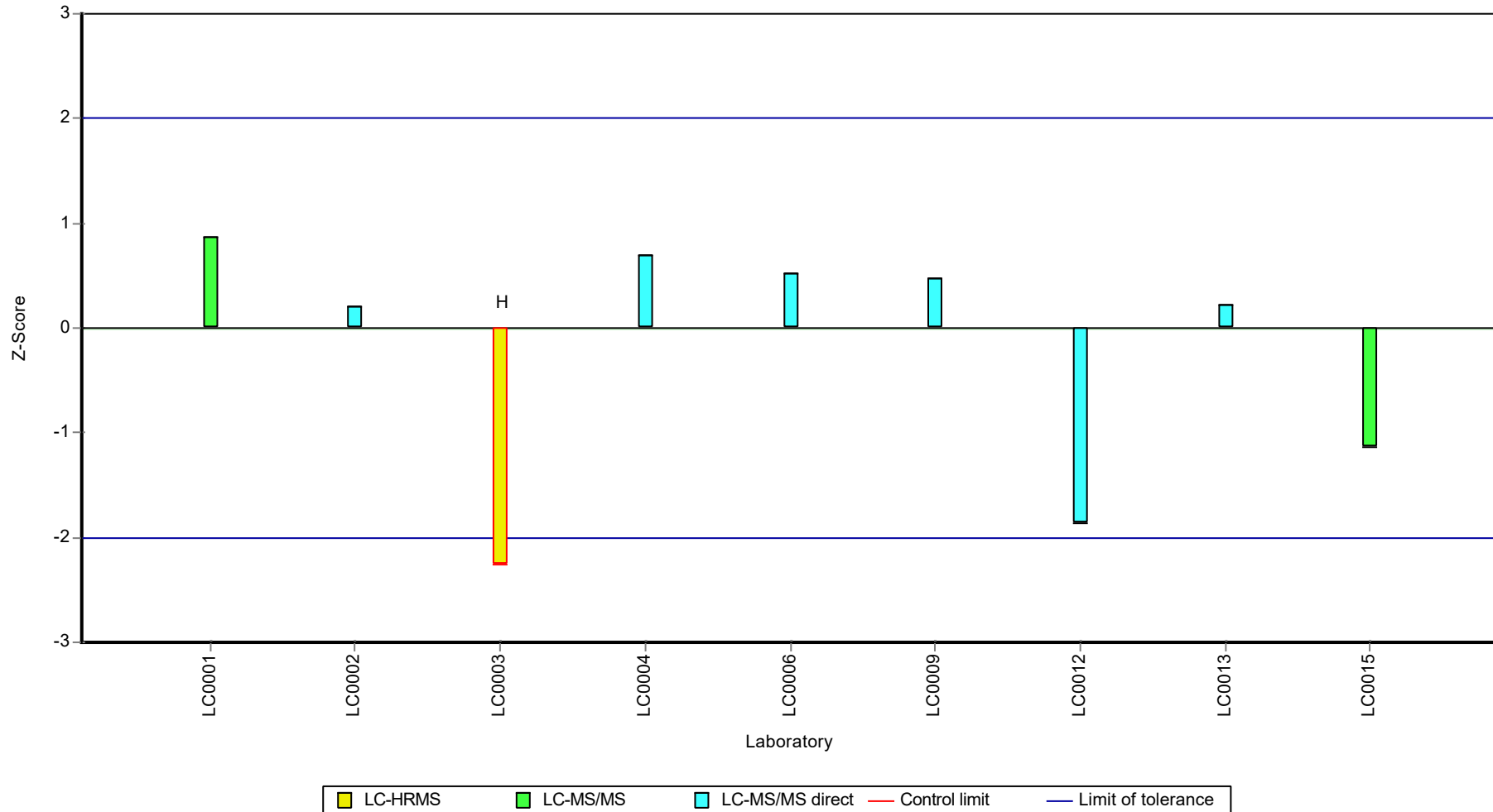
Results



**Recovery rate**



Z-score





## Parameter oriented report

### AZ8 A

#### Diclofenac

Unit	µg/l
Assigned value ± U (k=2)	0.191 ± 0.0235
Criterion	0.0497 (26 %)
Minimum - Maximum	0.101 - 0.273
Control test value ± U (k=2)	0.143 ± 0.0429

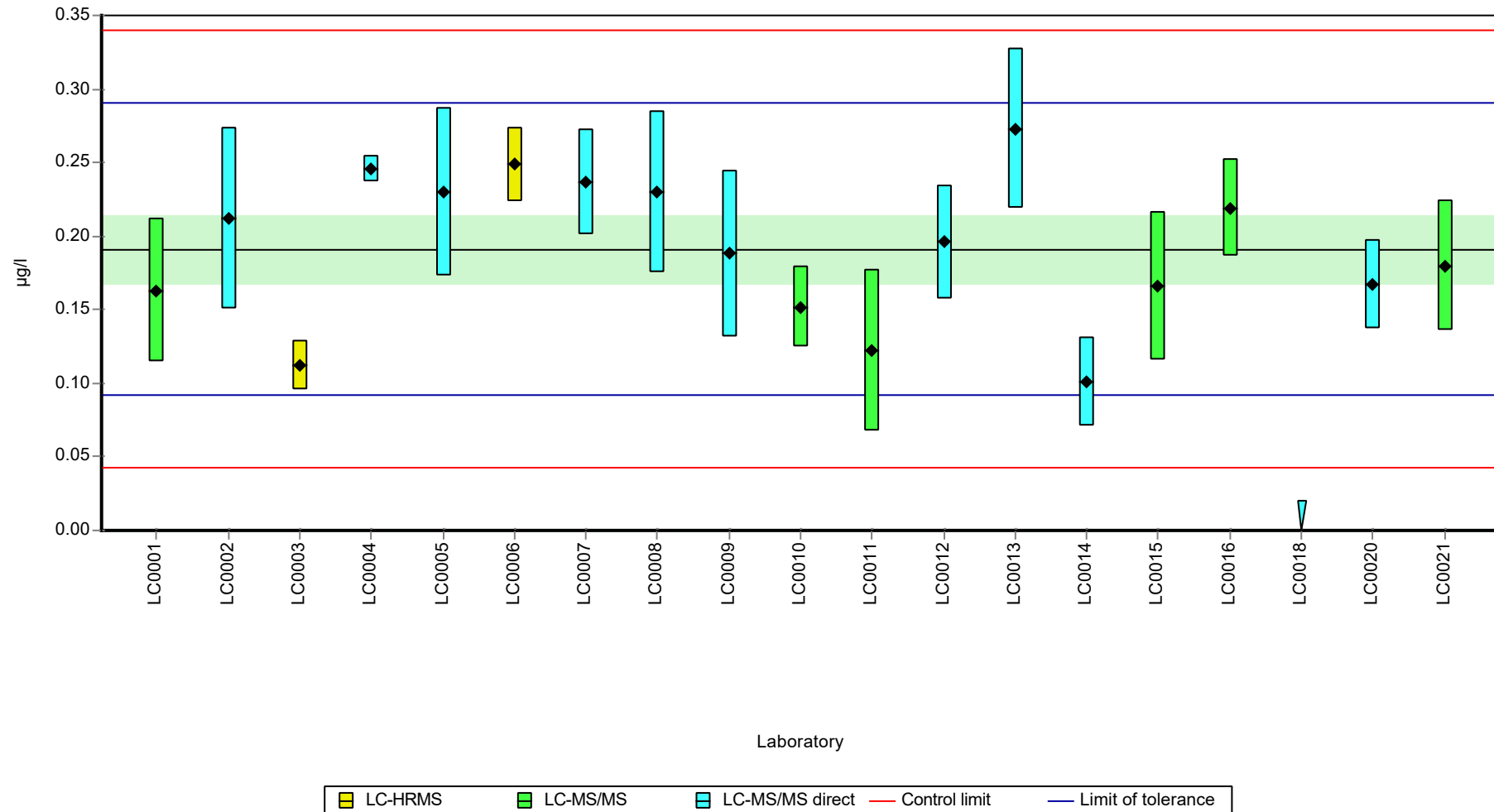
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.163	0.0489	85.2	-0.57	
LC0002	0.212	0.0621	111	0.42	
LC0003	0.112	0.017	58.6	-1.59	
LC0004	0.246	0.0091	129	1.1	
LC0005	0.23	0.057	120	0.78	
LC0006	0.2487	0.0255	130	1.16	
LC0007	0.237	0.036	124	0.92	
LC0008	0.23	0.055	120	0.78	
LC0009	0.188	0.0565	98.3	-0.07	
LC0010	0.152	0.027	79.5	-0.79	
LC0011	0.122	0.0547	63.8	-1.39	
LC0012	0.196	0.039	102	0.1	
LC0013	0.273	0.0546	143	1.64	
LC0014	0.101	0.03	52.8	-1.82	
LC0015	0.166	0.05	86.8	-0.51	
LC0016	0.219	0.033	115	0.56	
LC0017	-	-	-	-	
LC0018	<0.02 (LOD)	-	-	-	
LC0019	-	-	-	-	
LC0020	0.167	0.03	87.3	-0.49	
LC0021	0.18	0.0439	94.1	-0.23	

#### Characteristics of parameter

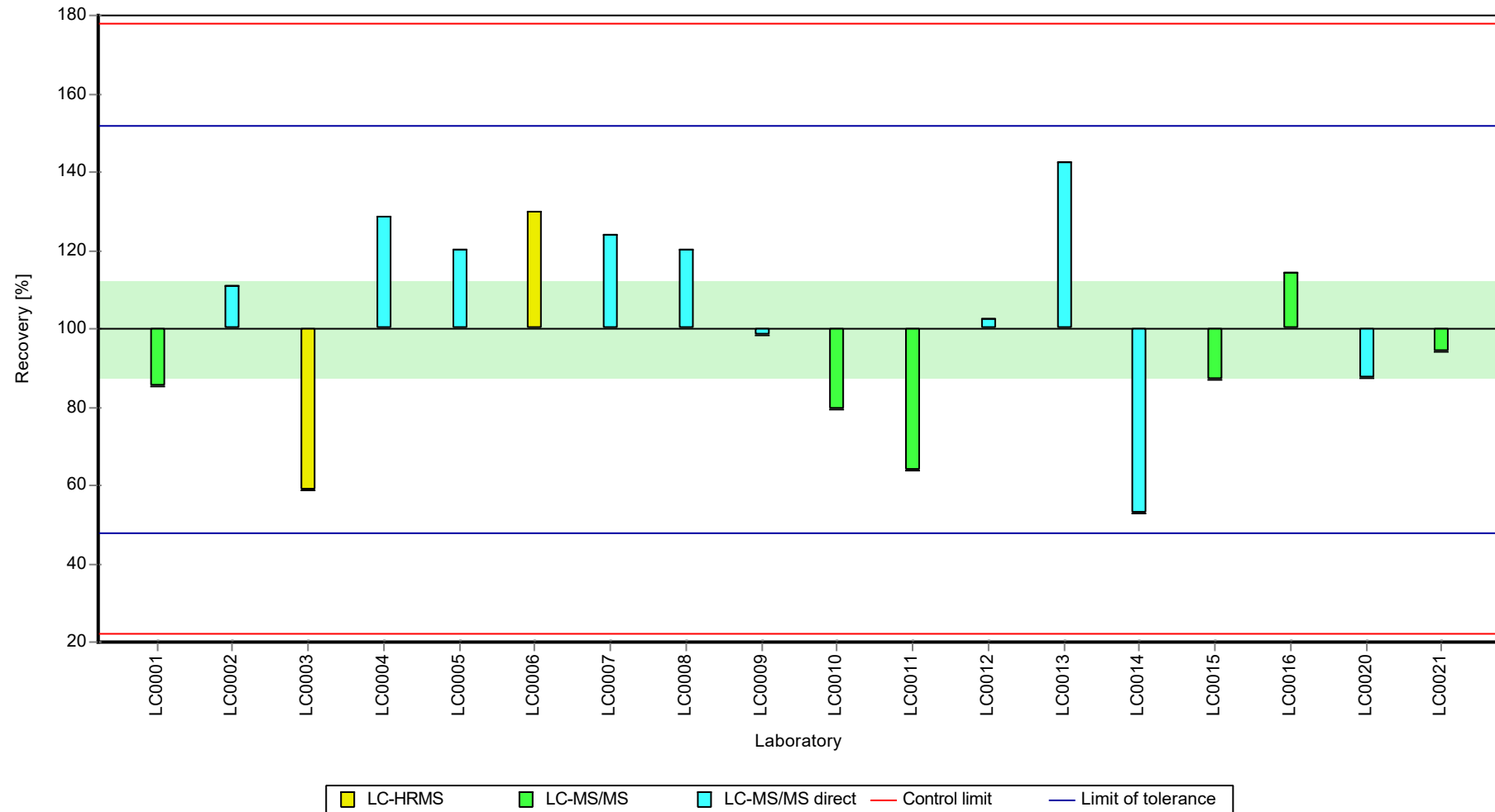
	all results	without outliers	Unit
Mean ± CI (99%)	0.191 ± 0.0352	0.191 ± 0.0352	µg/l
Minimum	0.101	0.101	µg/l
Maximum	0.273	0.273	µg/l
Standard deviation	0.0498	0.0498	µg/l
rel. standard deviation	26.1	26.1	%
n	18	18	-

Graphical presentation of results

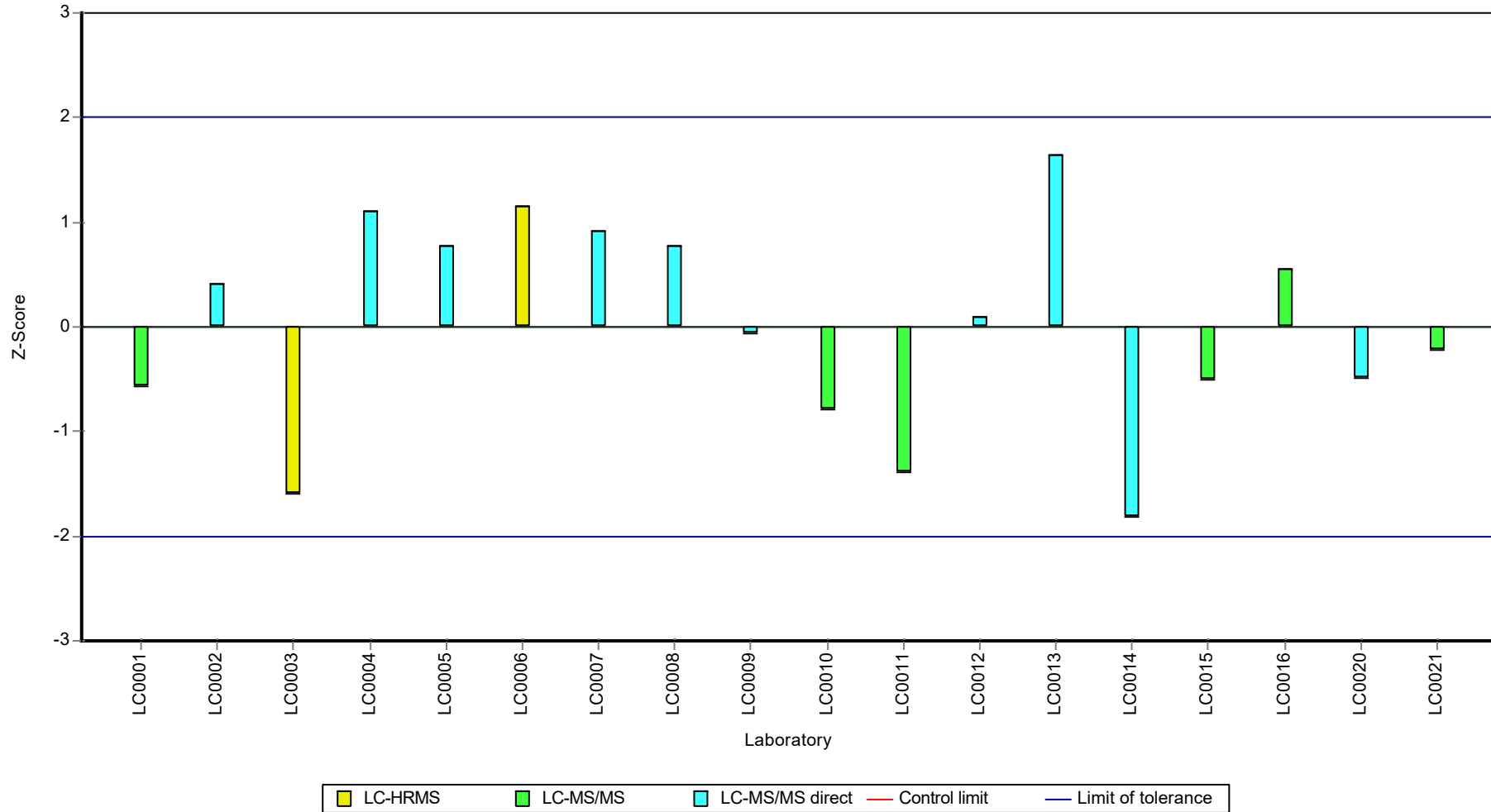
Results



**Recovery rate**



Z-score



## Parameter oriented report

### AZ8 B

#### Diclofenac

Unit	µg/l
Assigned value ± U (k=2)	2.8 ± 0.158
Criterion	0.392 (14 %)
Minimum - Maximum	2.13 - 3.17
Control test value ± U (k=2)	3.58 ± 1.07

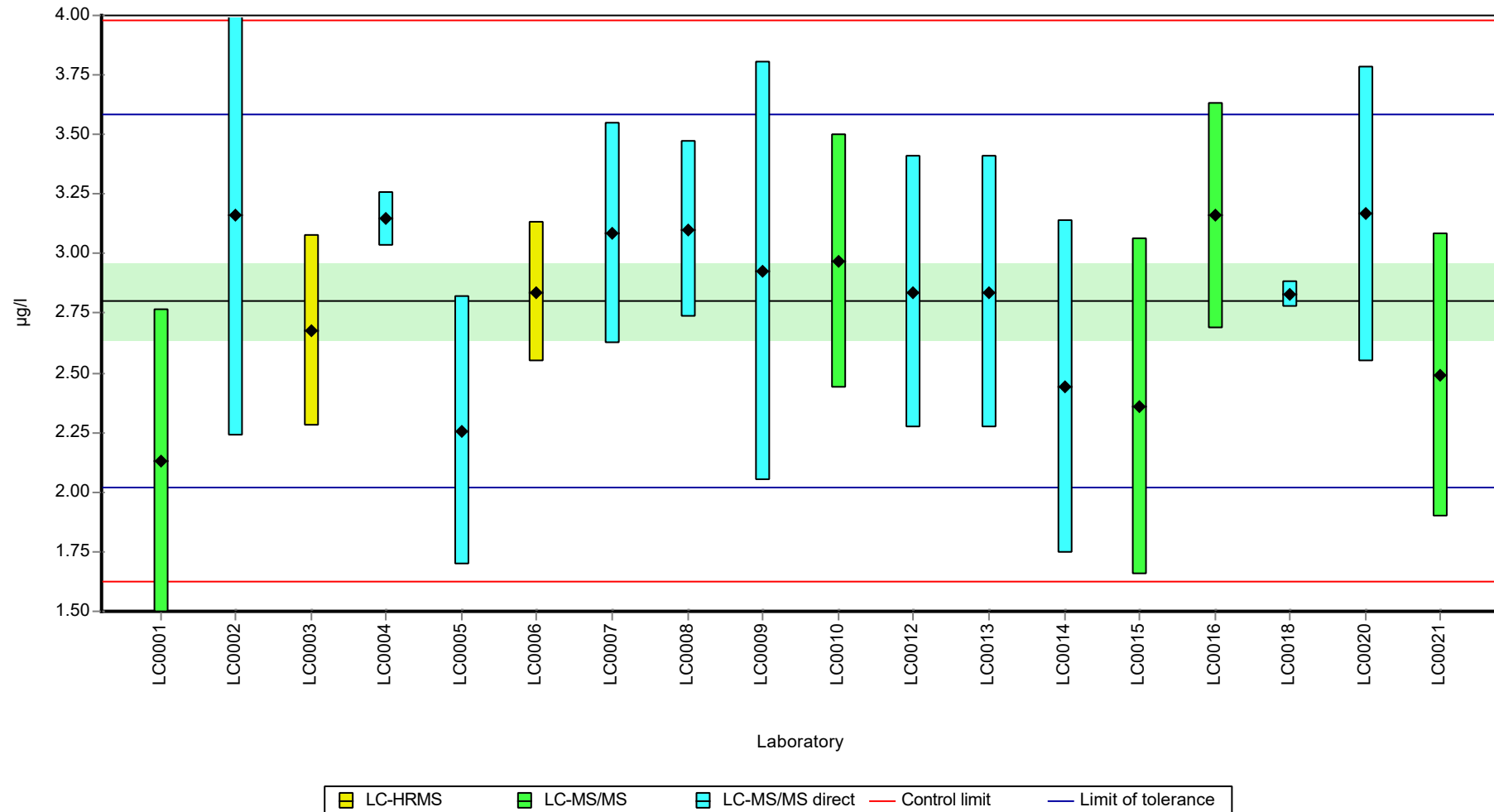
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	2.13	0.639	76	-1.71	
LC0002	3.16	0.926	113	0.92	
LC0003	2.68	0.402	95.7	-0.31	
LC0004	3.145	0.116	112	0.88	
LC0005	2.257	0.564	80.6	-1.39	
LC0006	2.84	0.2909	101	0.1	
LC0007	3.088	0.463	110	0.73	
LC0008	3.102	0.37	111	0.77	
LC0009	2.928	0.878	105	0.32	
LC0010	2.968	0.534	106	0.42	
LC0011	-	-	-	-	
LC0012	2.84	0.57	101	0.1	
LC0013	2.84	0.568	101	0.1	
LC0014	2.44	0.7	87.1	-0.92	
LC0015	2.358	0.707	84.2	-1.13	
LC0016	3.16	0.474	113	0.92	
LC0017	-	-	-	-	
LC0018	2.83	0.056	101	0.07	
LC0019	-	-	-	-	
LC0020	3.167	0.62	113	0.93	
LC0021	2.49	0.5971	88.9	-0.79	

#### Characteristics of parameter

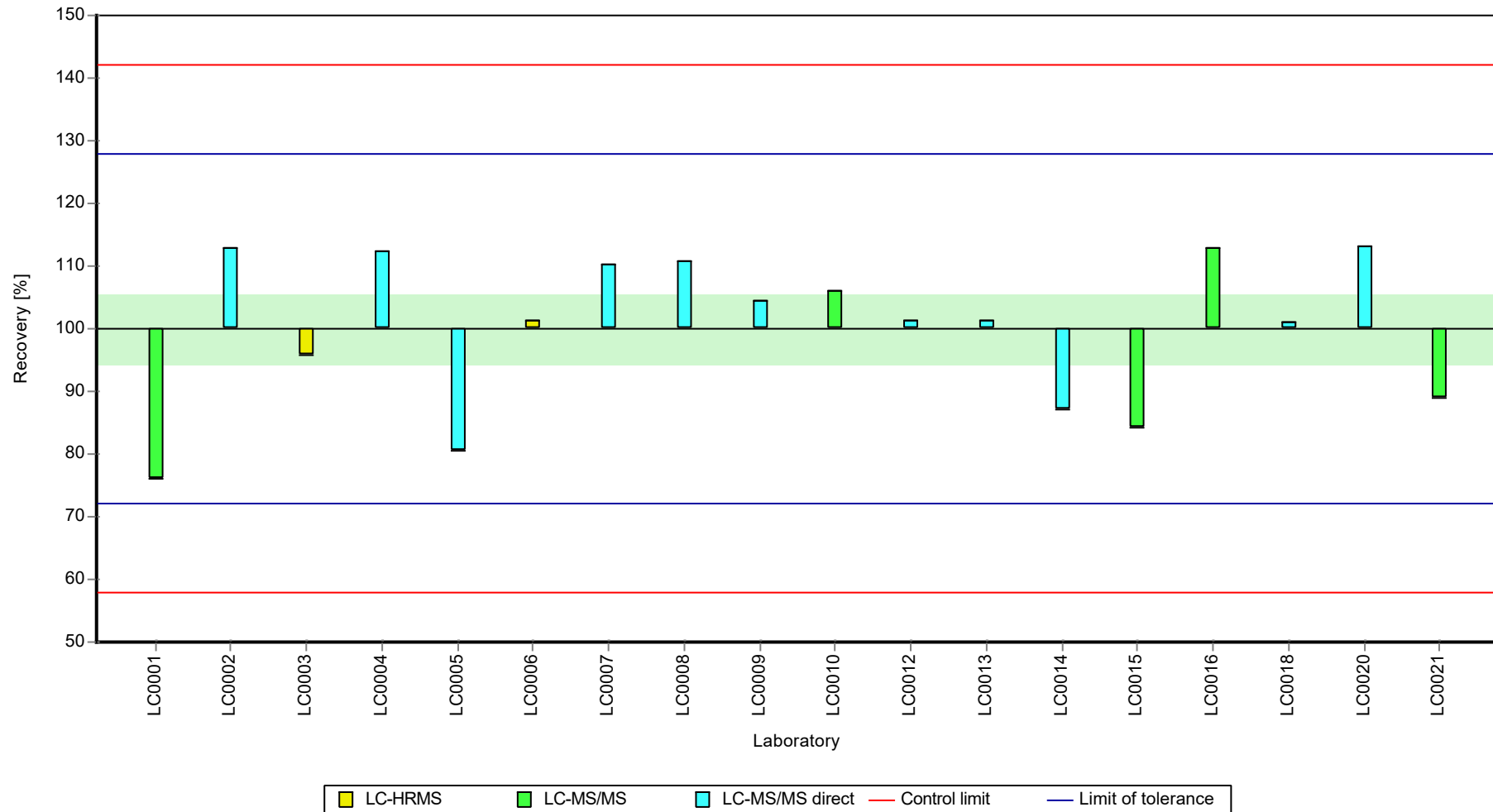
	all results	without outliers	Unit
Mean ± CI (99%)	2.8 ± 0.237	2.8 ± 0.237	µg/l
Minimum	2.13	2.13	µg/l
Maximum	3.17	3.17	µg/l
Standard deviation	0.336	0.336	µg/l
rel. standard deviation	12	12	%
n	18	18	-

Graphical presentation of results

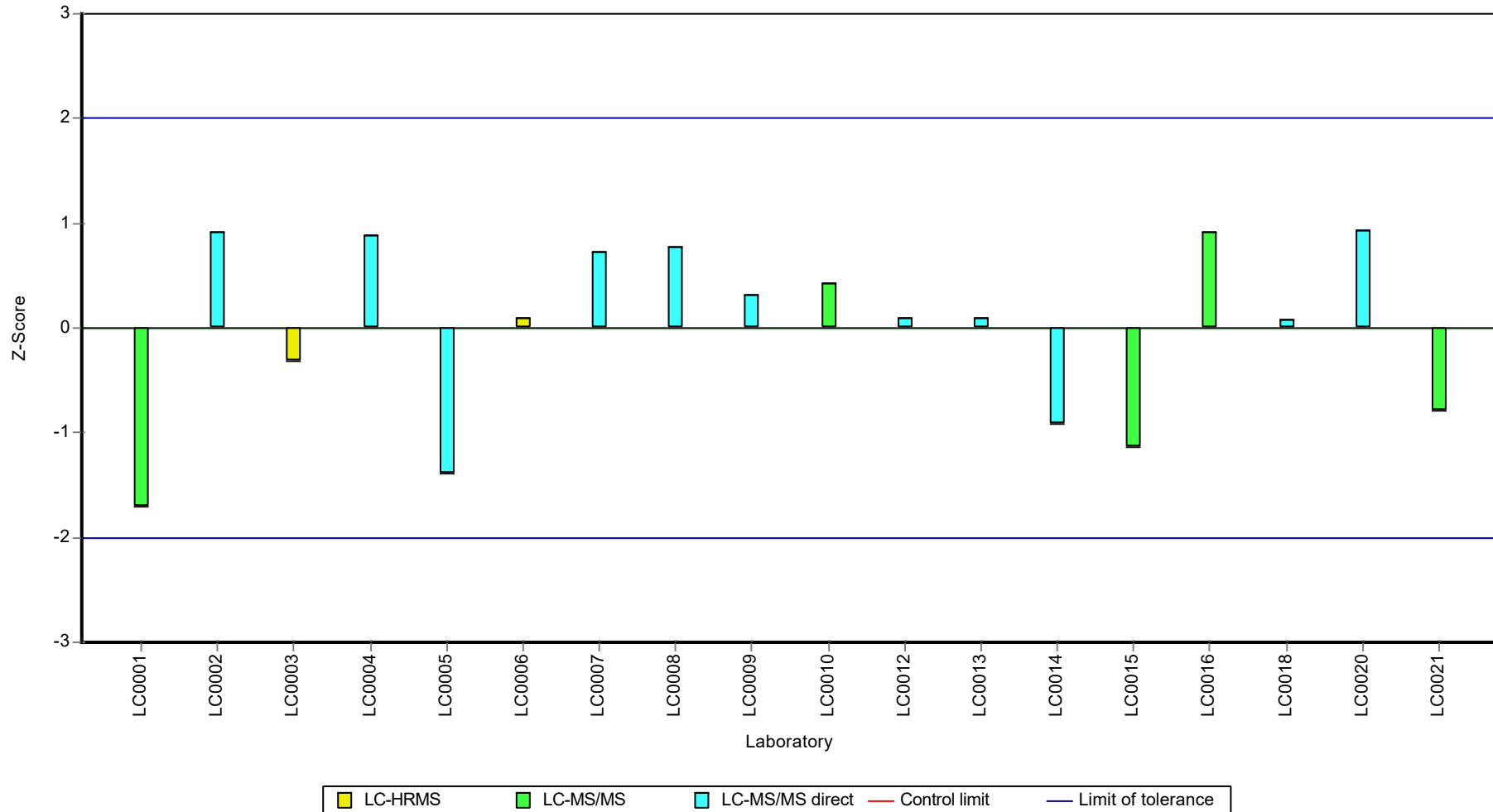
Results



**Recovery rate**



**Z-score**





## Parameter oriented report

### AZ8 A

#### Ibuprofen

Unit	µg/l
Assigned value ± U (k=2)	0.141 ± 0.0143
Criterion	0.0225 (16 %)
Minimum - Maximum	0.118 - 0.179
Control test value ± U (k=2)	0.160 ± 0.0319

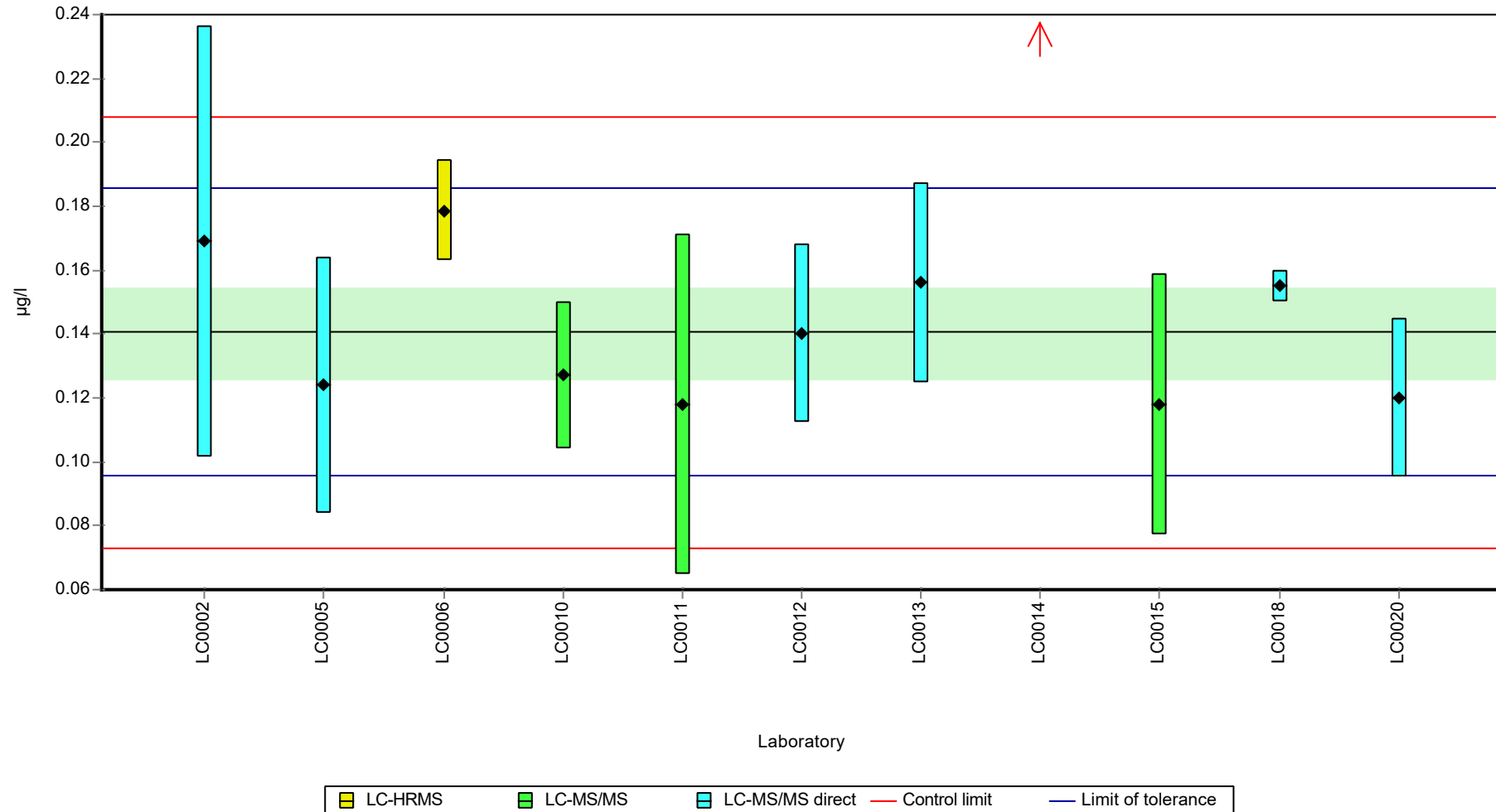
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	0.169	0.0675	120	1.26	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	0.124	0.04	88.2	-0.74	
LC0006	0.1787	0.016	127	1.7	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	-	-	-	-	
LC0010	0.127	0.023	90.3	-0.6	
LC0011	0.118	0.0531	83.9	-1	
LC0012	0.14	0.028	99.6	-0.03	
LC0013	0.156	0.0312	111	0.69	
LC0014	1.15	0.3	818	44.9	H
LC0015	0.118	0.041	83.9	-1	
LC0016	-	-	-	-	
LC0017	-	-	-	-	
LC0018	0.155	0.005	110	0.64	
LC0019	-	-	-	-	
LC0020	0.12	0.025	85.4	-0.92	
LC0021	-	-	-	-	

#### Characteristics of parameter

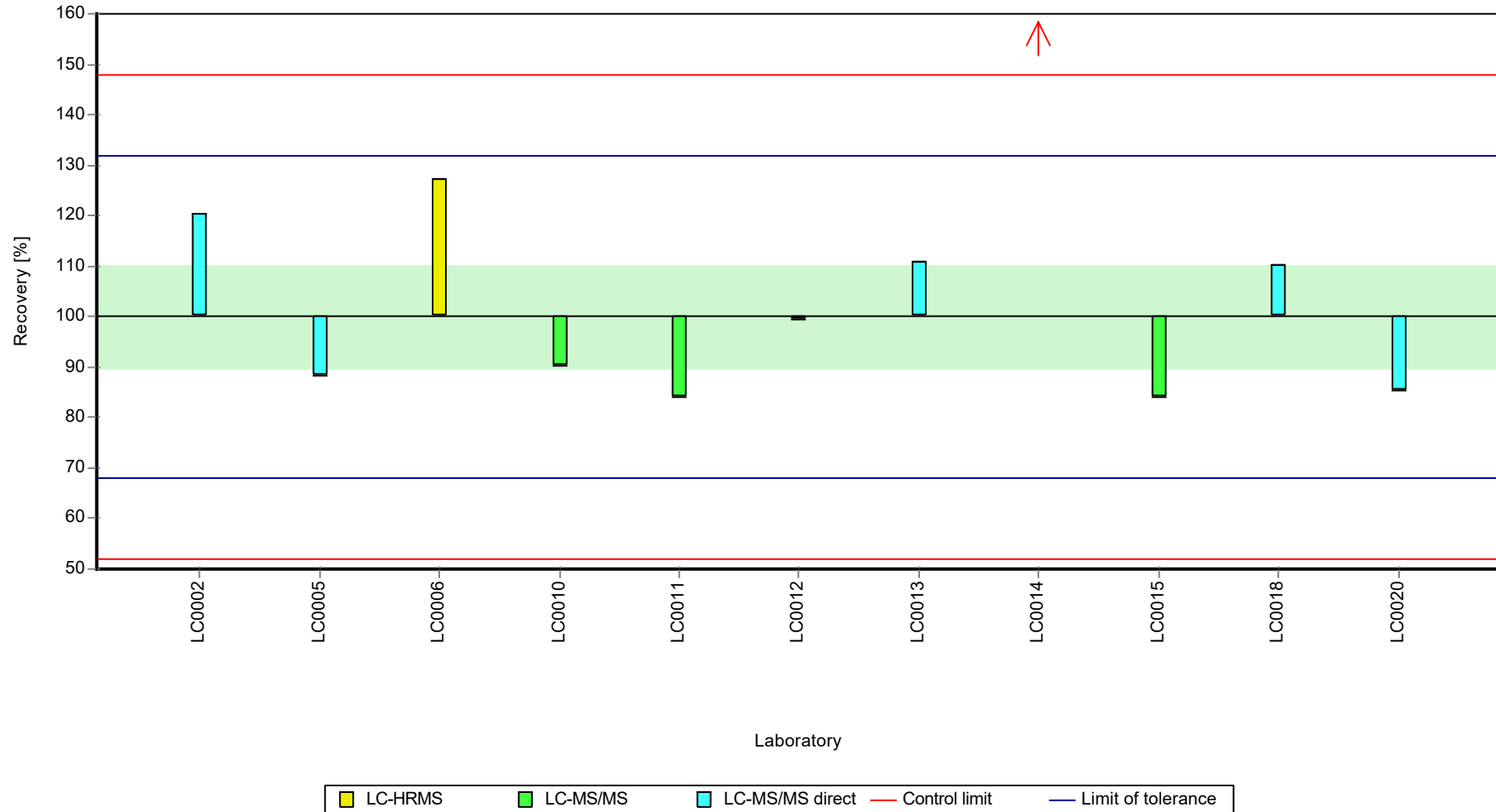
	all results	without outliers	Unit
Mean ± CI (99%)	0.232 ± 0.276	0.141 ± 0.0215	µg/l
Minimum	0.118	0.118	µg/l
Maximum	1.15	0.179	µg/l
Standard deviation	0.305	0.0226	µg/l
rel. standard deviation	131	16.1	%
n	11	10	-

Graphical presentation of results

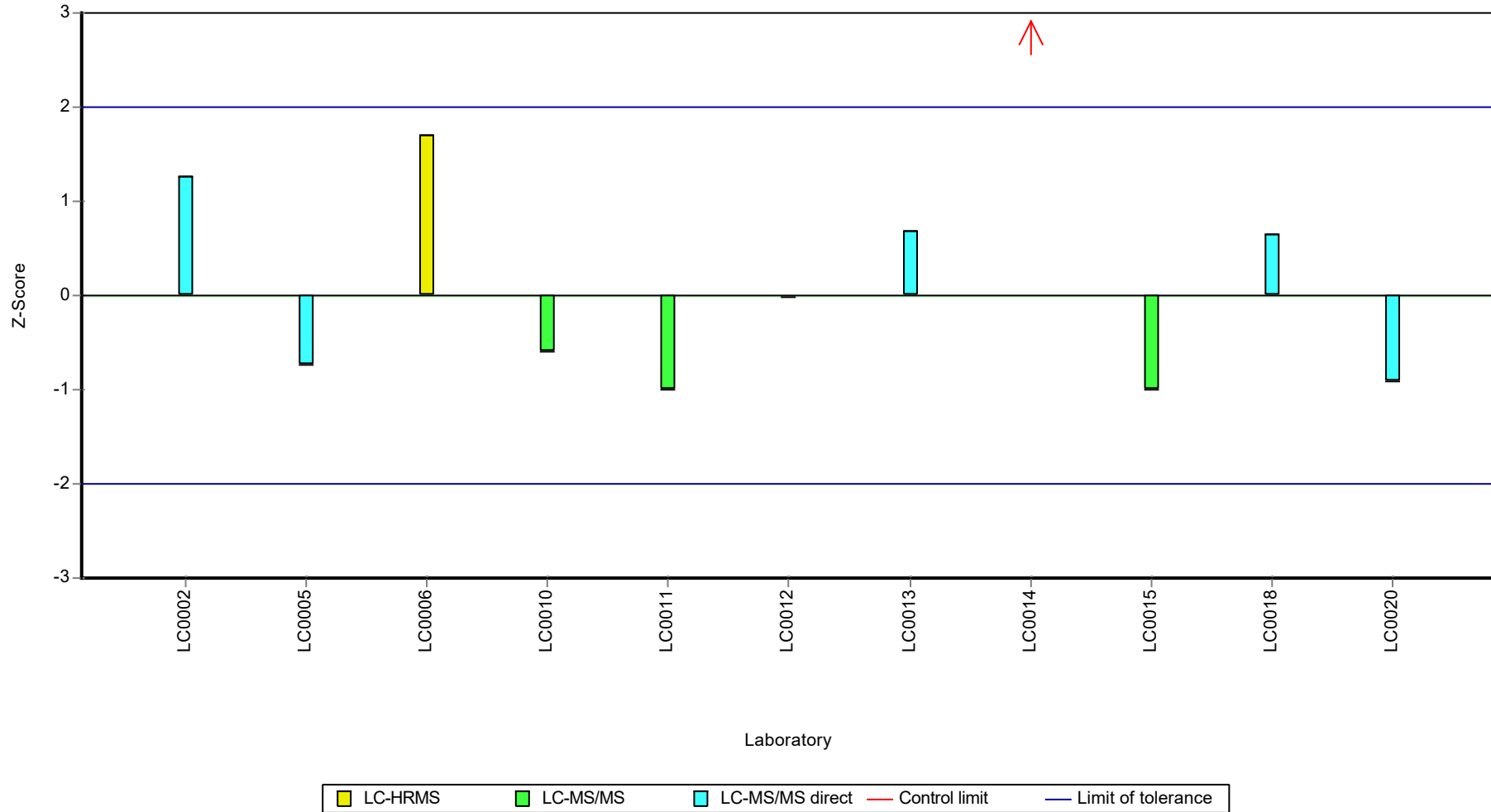
Results



**Recovery rate**



Z-score



## Parameter oriented report

### AZ8 B

#### Ibuprofen

Unit	µg/l
Assigned value ± U (k=2)	3.45 ± 0.22
Criterion	0.345 (10 %)
Minimum - Maximum	2.73 - 4.01
Control test value ± U (k=2)	3.57 ± 0.714

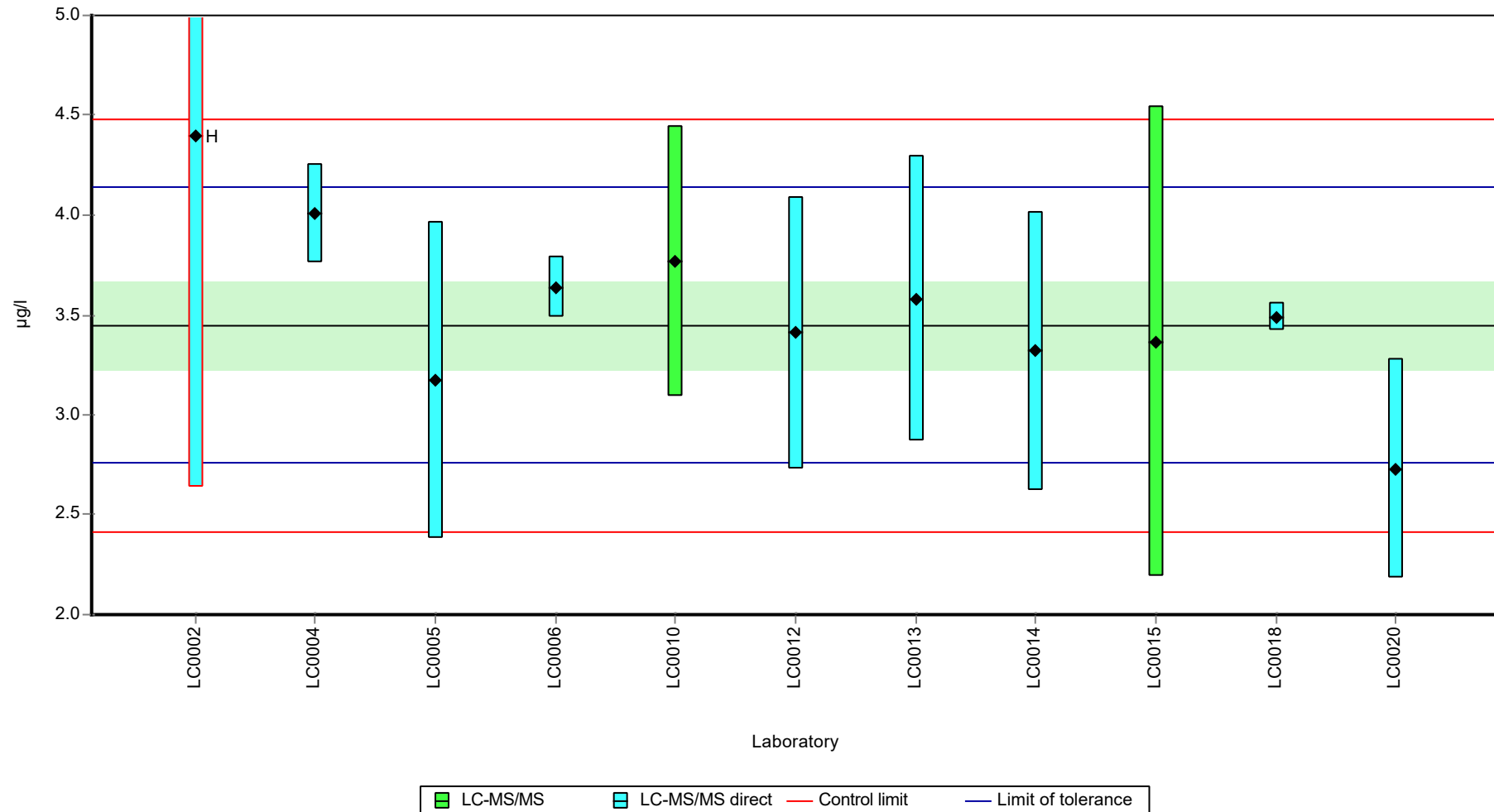
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	4.4	1.76	128	2.76	H
LC0003	-	-	-	-	
LC0004	4.01	0.247	116	1.63	
LC0005	3.175	0.794	92.1	-0.79	
LC0006	3.64	0.1554	106	0.56	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	-	-	-	-	
LC0010	3.765	0.678	109	0.92	
LC0011	-	-	-	-	
LC0012	3.41	0.68	98.9	-0.11	
LC0013	3.58	0.716	104	0.38	
LC0014	3.32	0.7	96.3	-0.37	
LC0015	3.366	1.178	97.6	-0.24	
LC0016	-	-	-	-	
LC0017	-	-	-	-	
LC0018	3.49	0.07	101	0.12	
LC0019	-	-	-	-	
LC0020	2.729	0.55	79.1	-2.09	
LC0021	-	-	-	-	

#### Characteristics of parameter

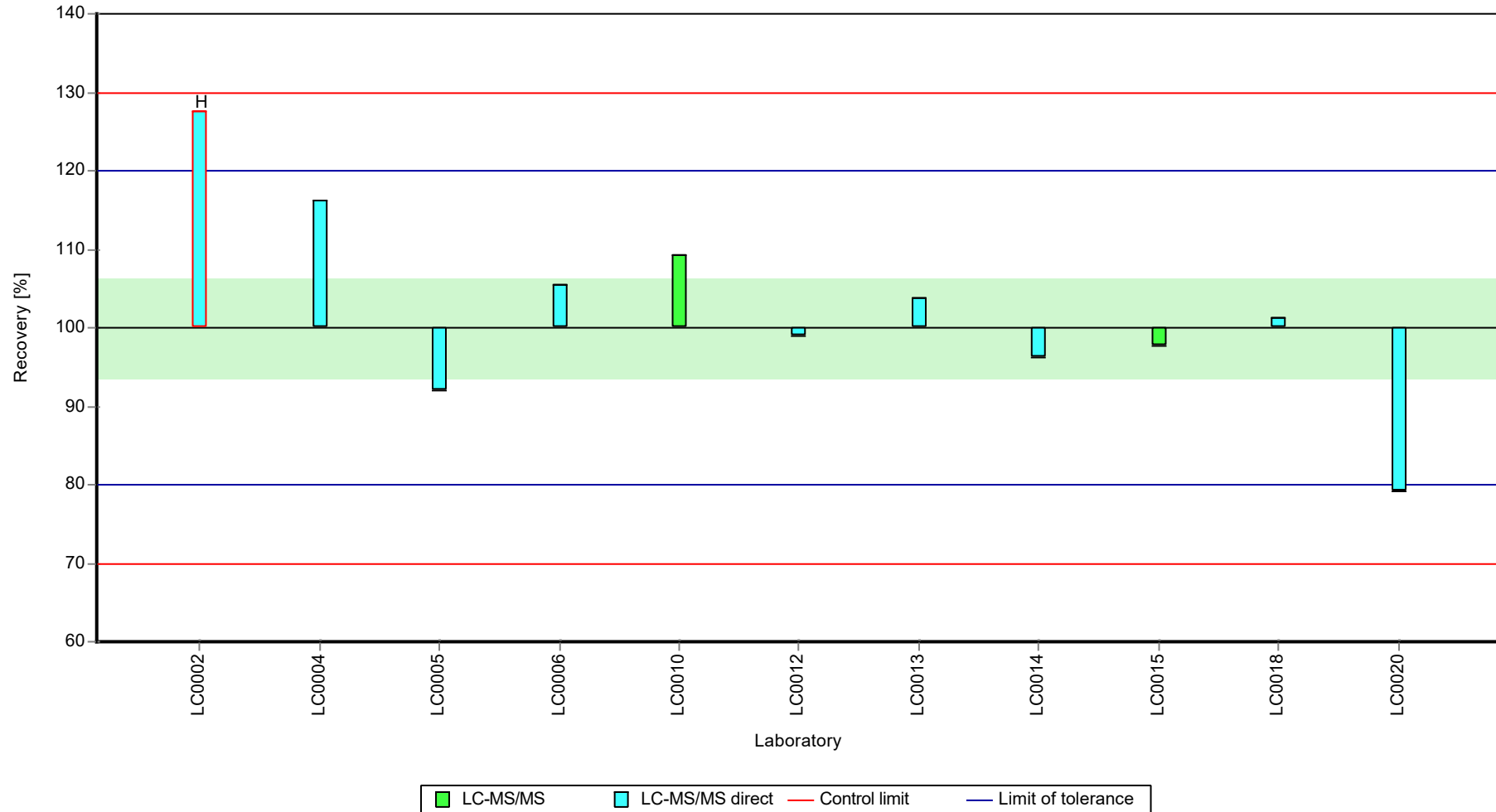
	all results	without outliers	Unit
Mean ± CI (99%)	3.54 ± 0.395	3.45 ± 0.33	µg/l
Minimum	2.73	2.73	µg/l
Maximum	4.4	4.01	µg/l
Standard deviation	0.437	0.348	µg/l
rel. standard deviation	12.4	10.1	%
n	11	10	-

Graphical presentation of results

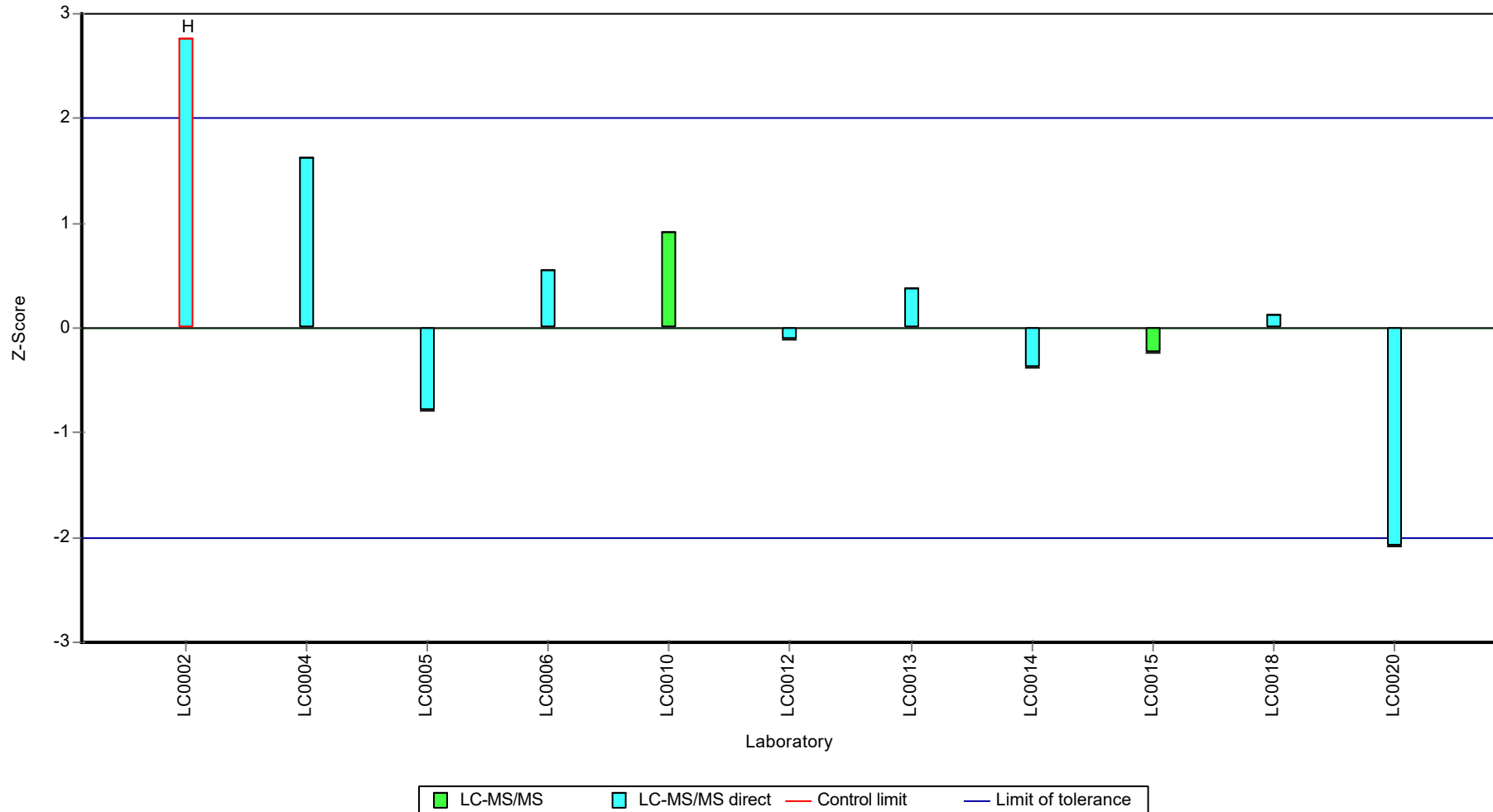
Results



**Recovery rate**



Z-score





## Parameter oriented report

### AZ8 A

#### Iopamidol

Unit	µg/l
Assigned value ± U (k=2)	0.809 ± 0.0289
Criterion	0.0405 (5 %)
Minimum - Maximum	0.743 - 0.866
Control test value ± U (k=2)	0.988 ± 0.148

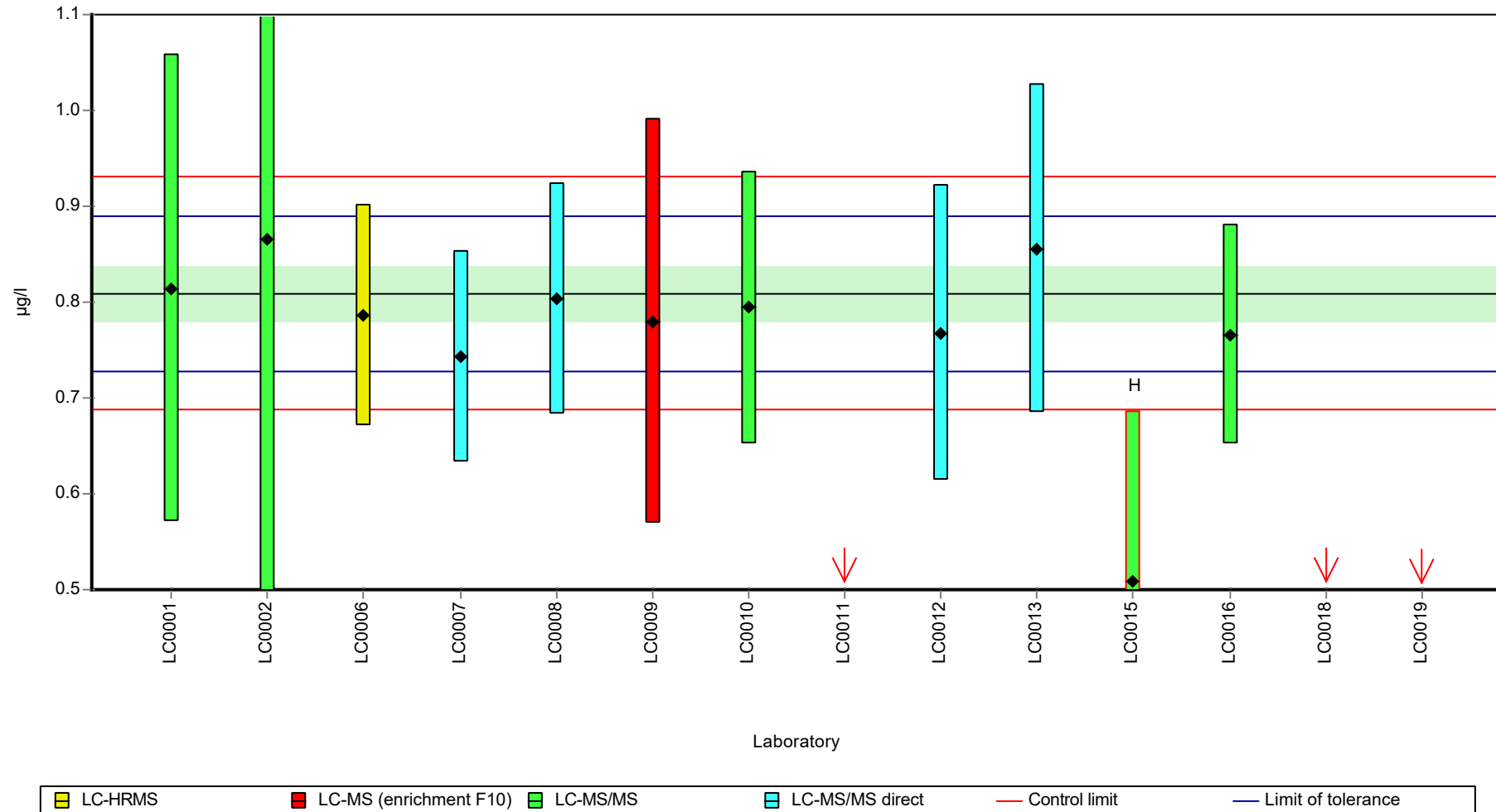
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.8145	0.24435	101	0.13	
LC0002	0.866	0.726	107	1.4	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	-	-	-	-	
LC0006	0.786	0.1154	97.1	-0.57	
LC0007	0.743	0.111	91.8	-1.64	
LC0008	0.804	0.121	99.4	-0.13	
LC0009	0.78	0.211	96.4	-0.72	
LC0010	0.794	0.143	98.1	-0.38	
LC0011	0.402	0.181	49.7	-10.1	H
LC0012	0.768	0.154	94.9	-1.02	
LC0013	0.856	0.171	106	1.16	
LC0014	-	-	-	-	
LC0015	0.508	0.178	62.8	-7.44	H
LC0016	0.766	0.115	94.7	-1.07	
LC0017	-	-	-	-	
LC0018	0.155	0.005	19.2	-16.2	H
LC0019	0.3744	0.2359	46.3	-10.7	H
LC0020	-	-	-	-	
LC0021	-	-	-	-	

#### Characteristics of parameter

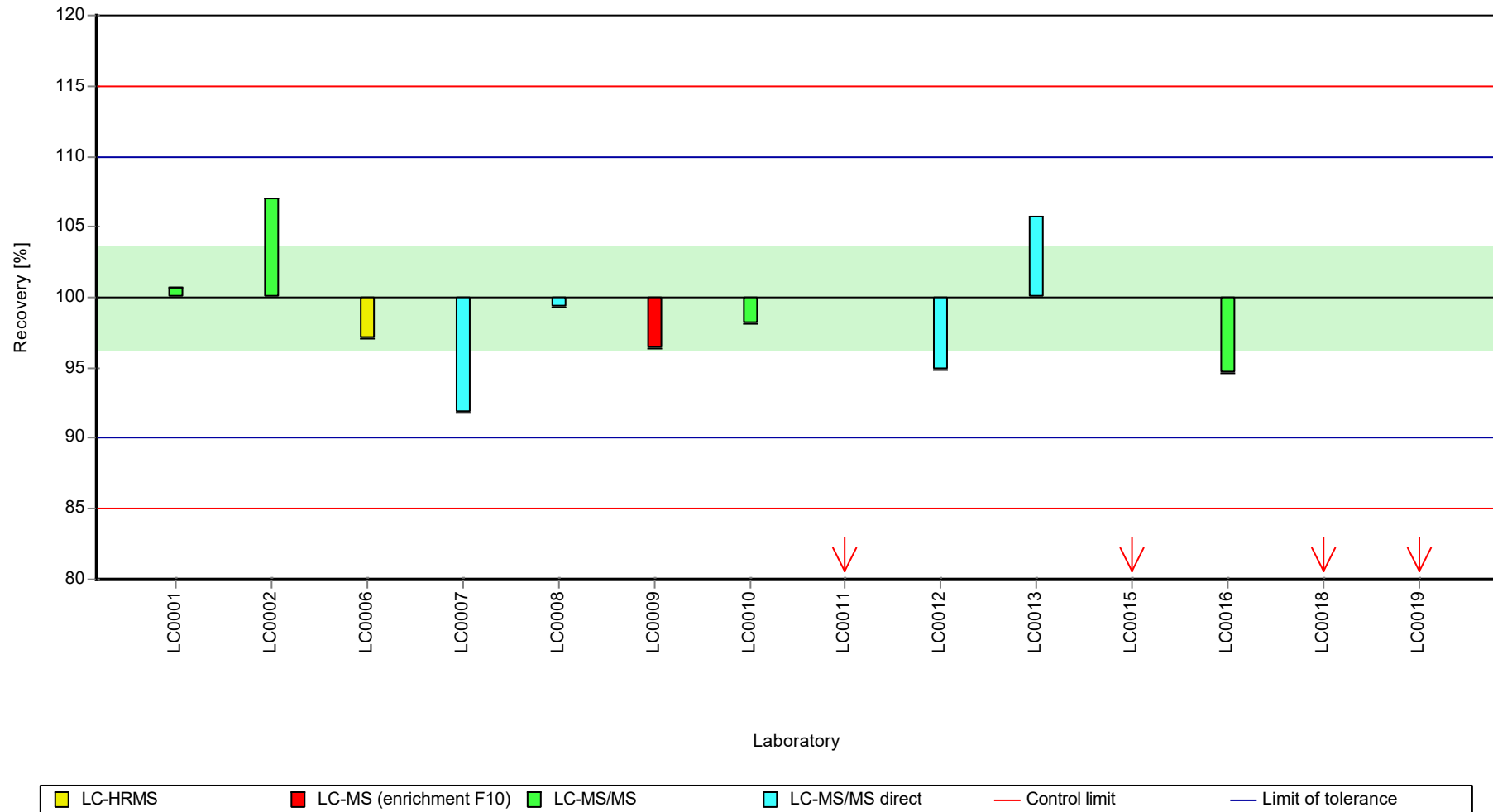
	all results	without outliers	Unit
Mean ± CI (99%)	0.673 ± 0.176	0.798 ± 0.0371	µg/l
Minimum	0.155	0.743	µg/l
Maximum	0.866	0.866	µg/l
Standard deviation	0.22	0.0391	µg/l
rel. standard deviation	32.7	4.9	%
n	14	10	-

Graphical presentation of results

Results



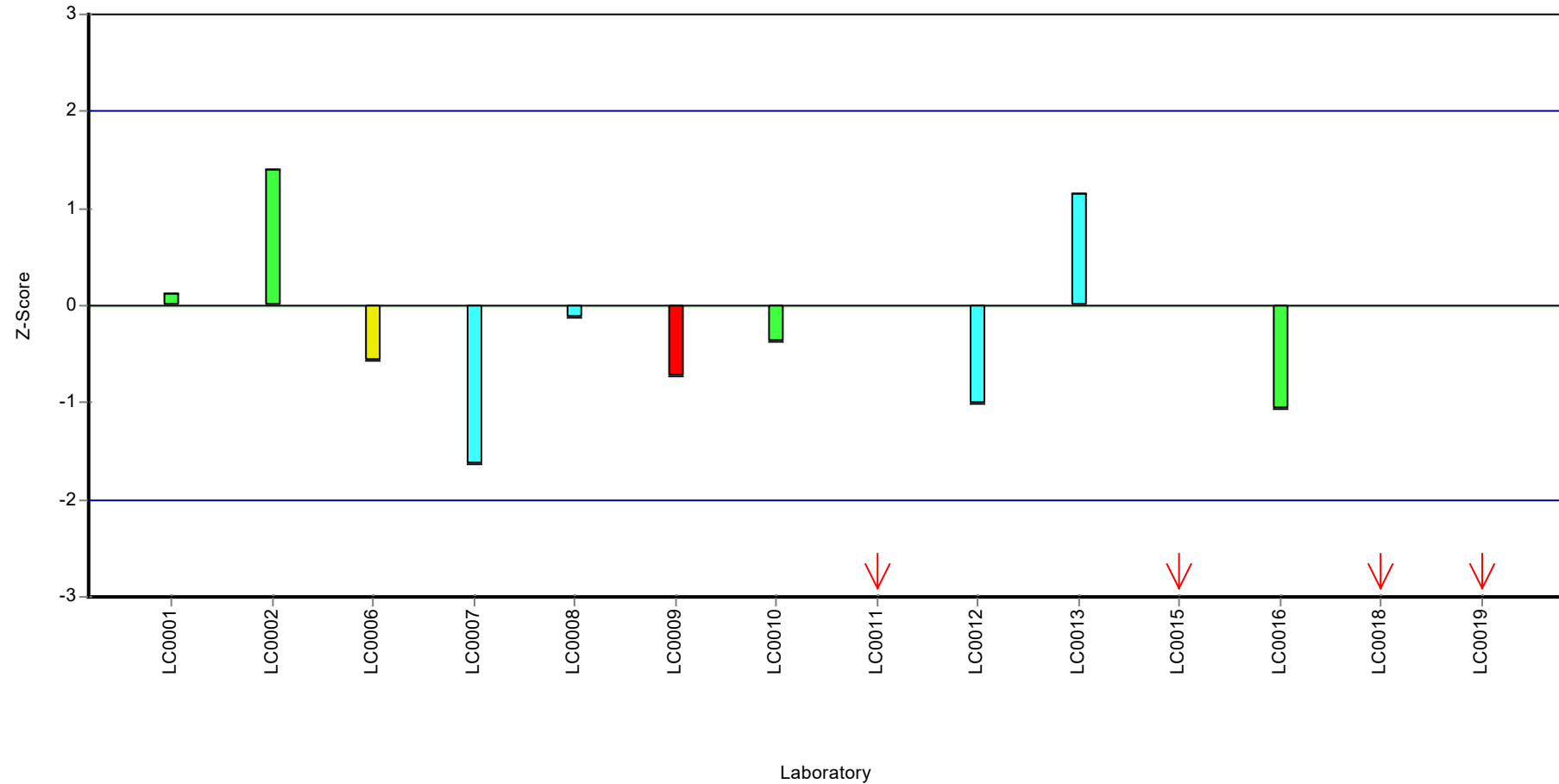
**Recovery rate**



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ8

Sample: AZ8A, Parameter: lopamidol

**Z-score**



## Parameter oriented report

### AZ8 B

#### Iopamidol

Unit	µg/l
Assigned value ± U (k=2)	31.7 ± 4.83
Criterion	8.86 (28 %)
Minimum - Maximum	14.4 - 46.3
Control test value ± U (k=2)	31.5 ± 4.73

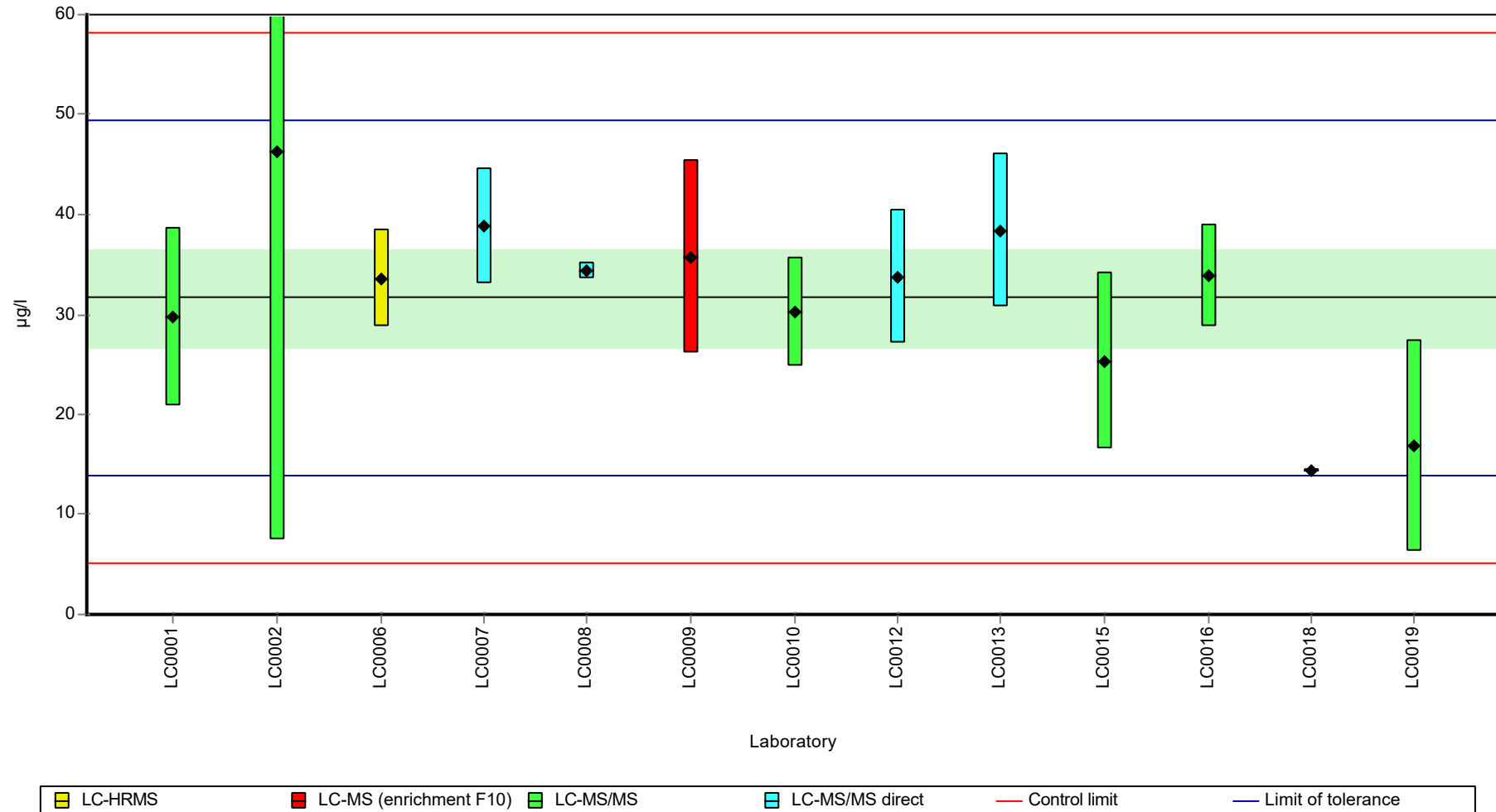
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	29.8	8.94	94.1	-0.21	
LC0002	46.3	38.8	146	1.65	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	-	-	-	-	
LC0006	33.6133	4.9353	106	0.22	
LC0007	38.8	5.82	123	0.81	
LC0008	34.398	0.843	109	0.31	
LC0009	35.75	9.653	113	0.46	
LC0010	30.2	5.44	95.4	-0.16	
LC0011	-	-	-	-	
LC0012	33.8	6.77	107	0.24	
LC0013	38.4	7.68	121	0.76	
LC0014	-	-	-	-	
LC0015	25.322	8.863	80	-0.71	
LC0016	33.9	5.085	107	0.25	
LC0017	-	-	-	-	
LC0018	14.4	0.21	45.5	-1.95	
LC0019	16.8659	10.6255	53.3	-1.67	
LC0020	-	-	-	-	
LC0021	-	-	-	-	

#### Characteristics of parameter

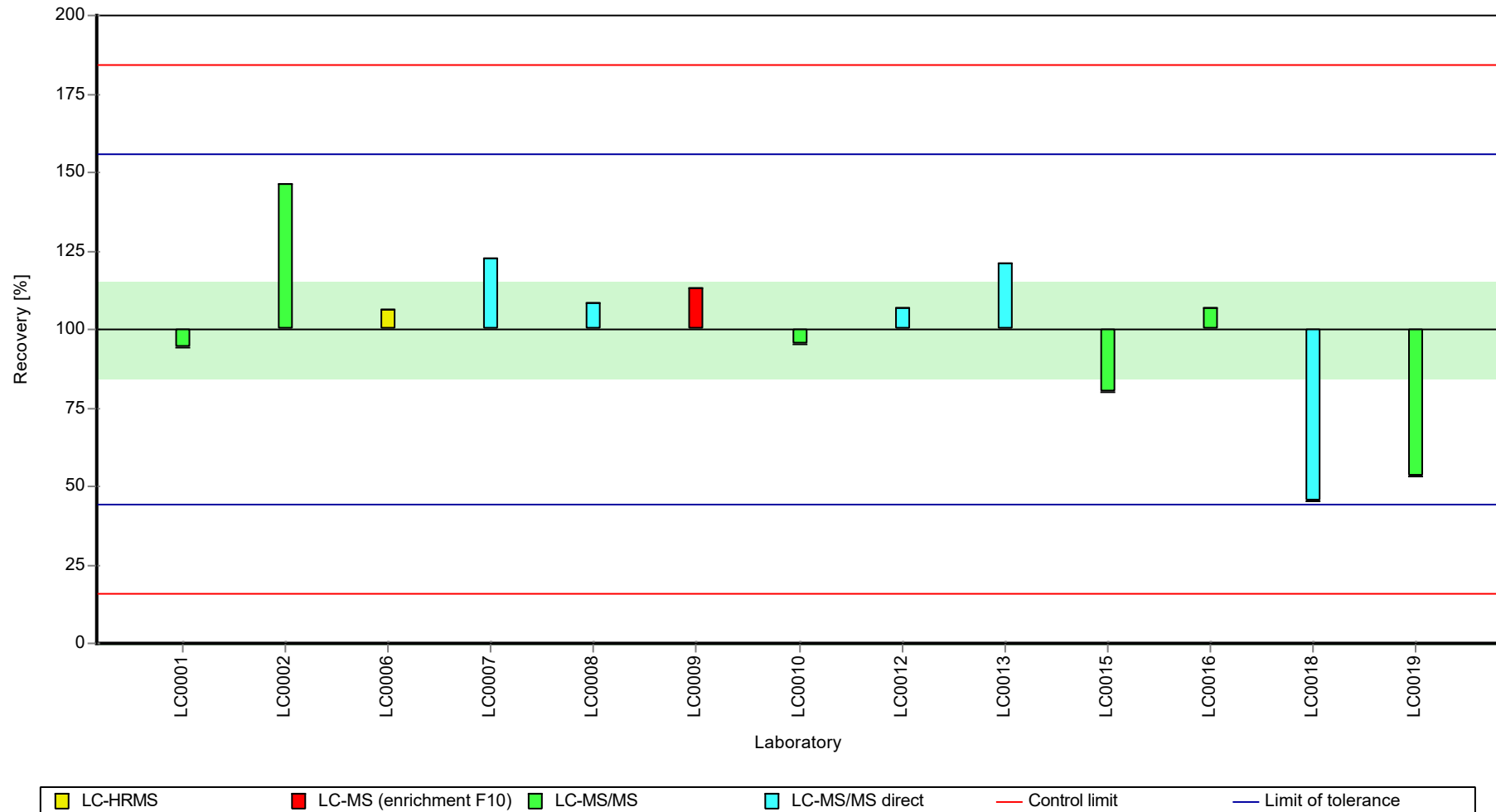
	all results	without outliers	Unit
Mean ± CI (99%)	31.7 ± 7.25	31.7 ± 7.25	µg/l
Minimum	14.4	14.4	µg/l
Maximum	46.3	46.3	µg/l
Standard deviation	8.71	8.71	µg/l
rel. standard deviation	27.5	27.5	%
n	13	13	-

Graphical presentation of results

Results



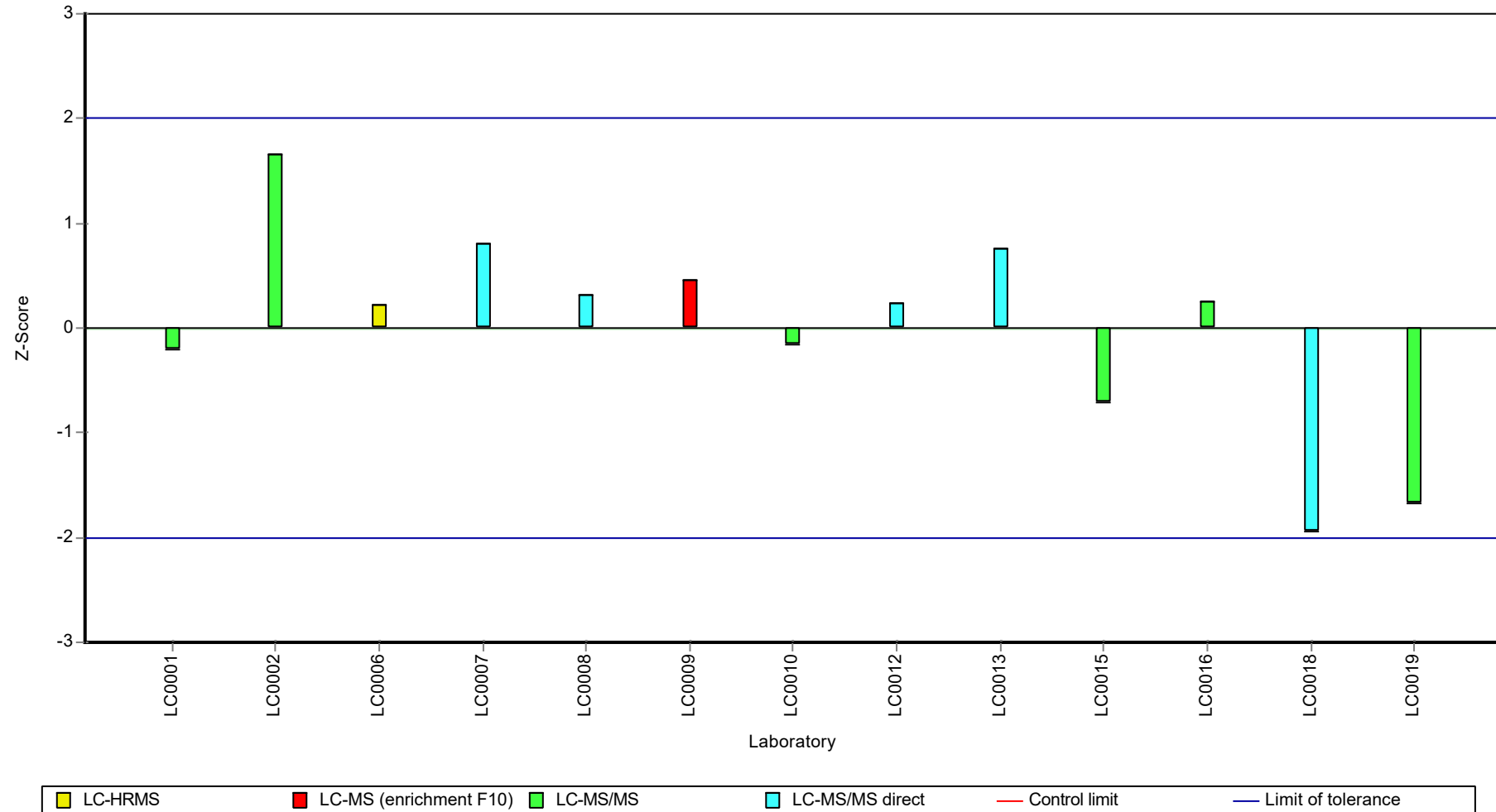
**Recovery rate**



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ8

Sample: AZ8B, Parameter: Iopamidol

**Z-score**





## Parameter oriented report

### AZ8 A

#### Metoprolol

Unit	µg/l
Assigned value ± U (k=2)	0.318 ± 0.0247
Criterion	0.0794 (25 %)
Minimum - Maximum	0.201 - 0.398
Control test value ± U (k=2)	0.365 ± 0.0547

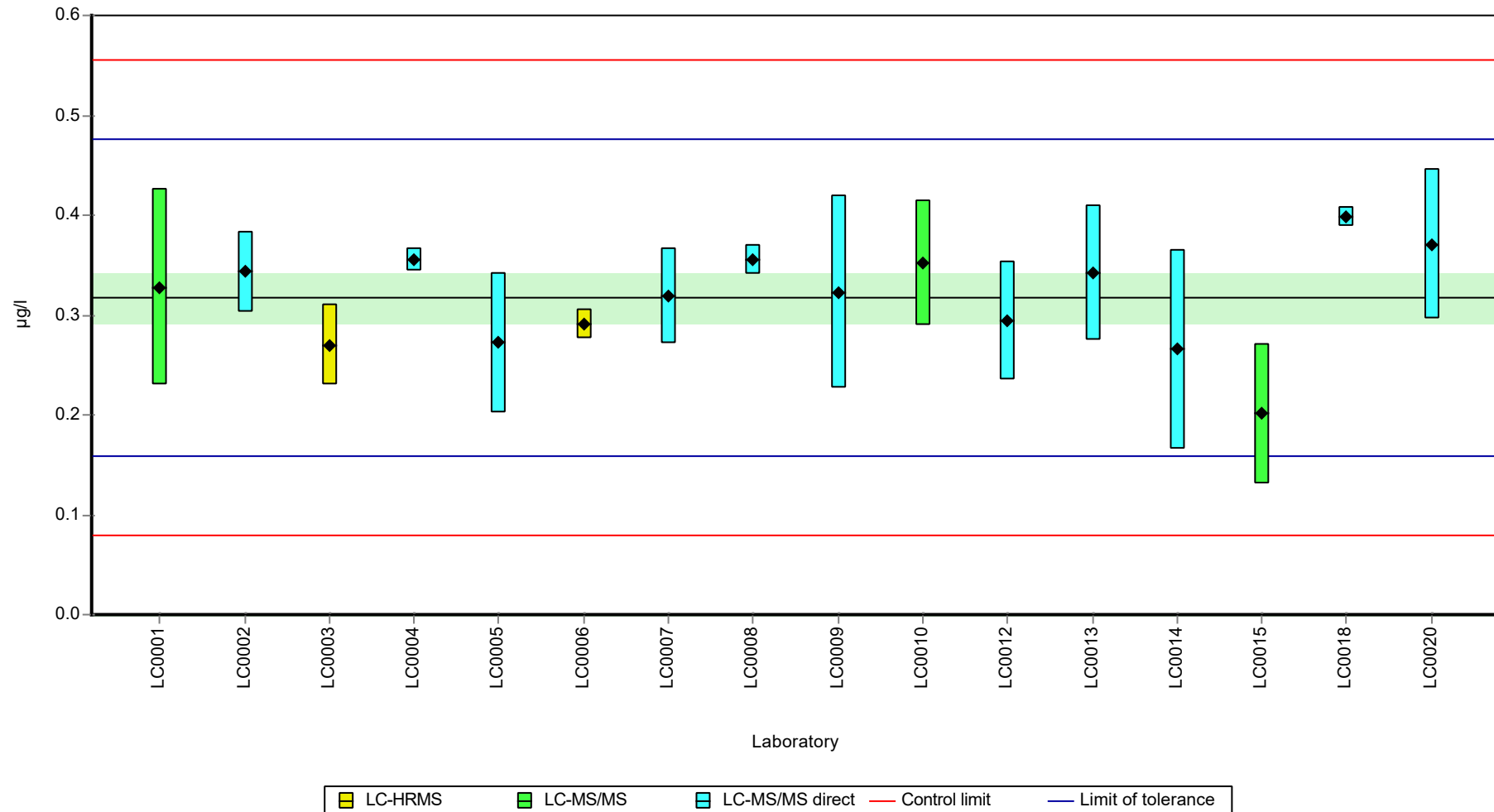
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.328	0.0984	103	0.13	
LC0002	0.343	0.0398	108	0.32	
LC0003	0.27	0.041	85	-0.6	
LC0004	0.355	0.012	112	0.47	
LC0005	0.272	0.07	85.7	-0.57	
LC0006	0.291	0.0146	91.7	-0.33	
LC0007	0.319	0.048	100	0.02	
LC0008	0.355	0.015	112	0.47	
LC0009	0.323	0.0968	102	0.07	
LC0010	0.352	0.063	111	0.43	
LC0011	-	-	-	-	
LC0012	0.294	0.059	92.6	-0.3	
LC0013	0.342	0.0684	108	0.31	
LC0014	0.266	0.1	83.8	-0.65	
LC0015	0.201	0.07	63.3	-1.47	
LC0016	-	-	-	-	
LC0017	-	-	-	-	
LC0018	0.398	0.01	125	1.01	
LC0019	-	-	-	-	
LC0020	0.371	0.075	117	0.67	
LC0021	-	-	-	-	

#### Characteristics of parameter

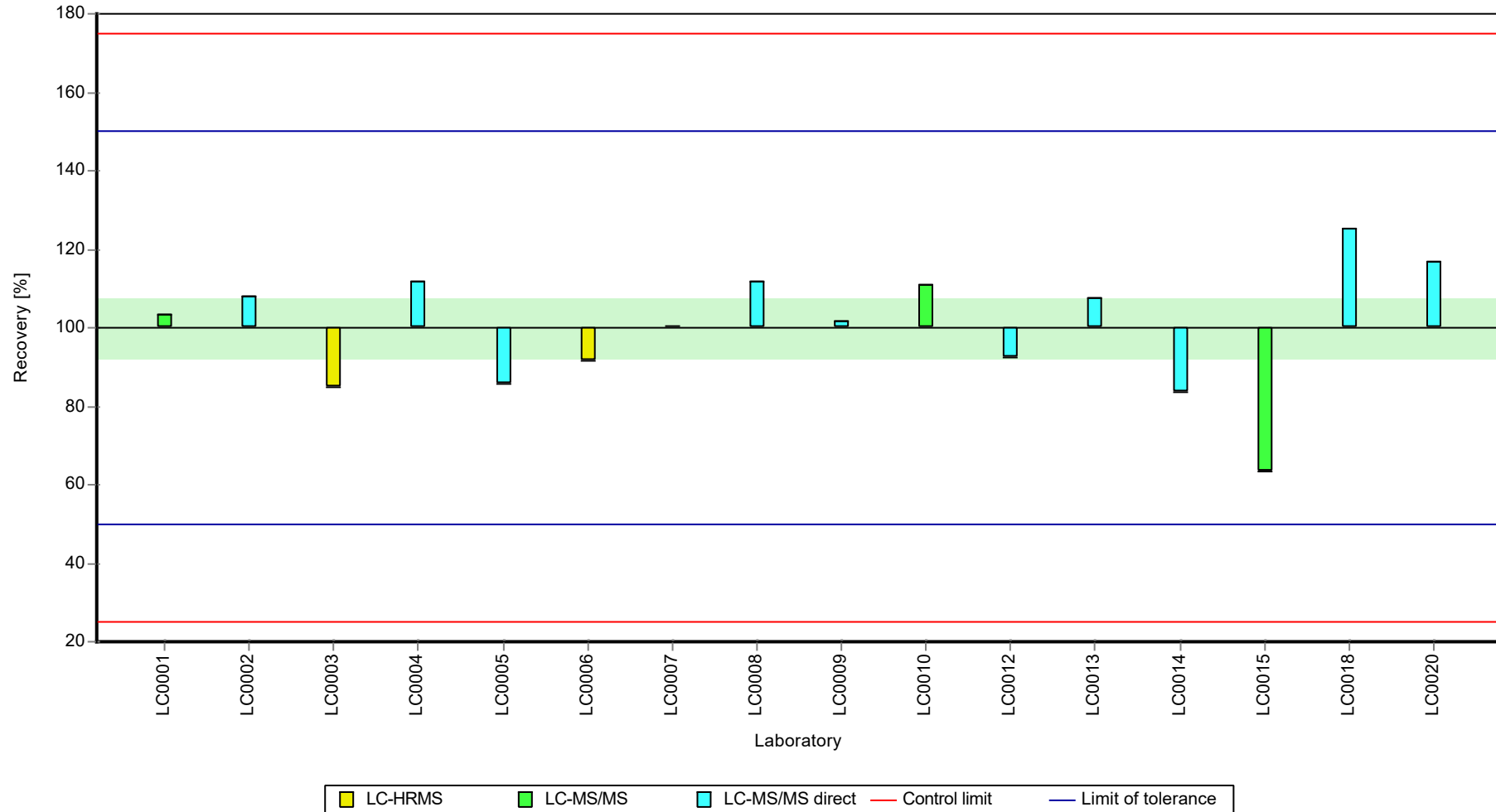
	all results	without outliers	Unit
Mean ± CI (99%)	0.318 ± 0.037	0.318 ± 0.037	µg/l
Minimum	0.201	0.201	µg/l
Maximum	0.398	0.398	µg/l
Standard deviation	0.0494	0.0494	µg/l
rel. standard deviation	15.5	15.5	%
n	16	16	-

Graphical presentation of results

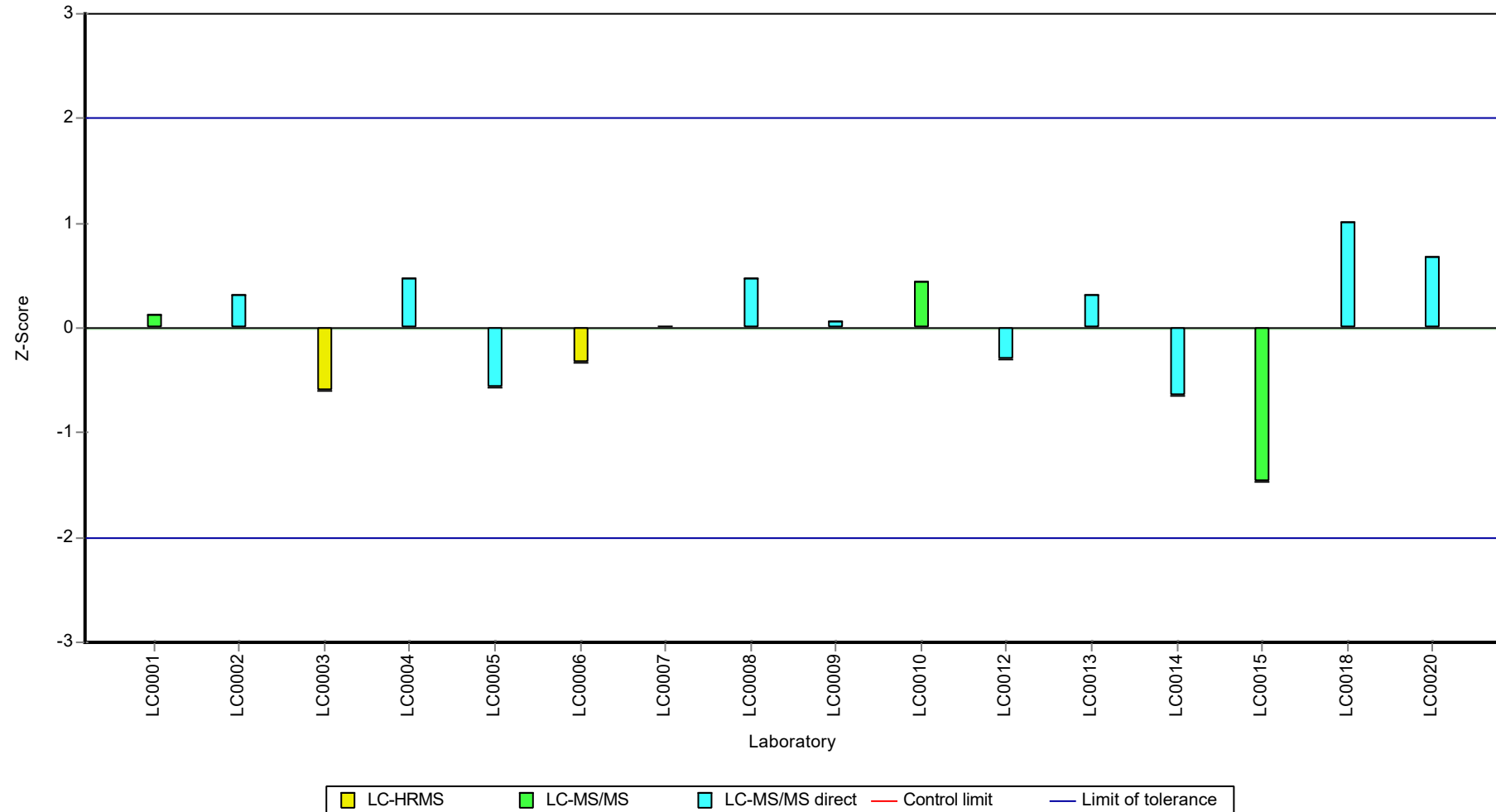
Results



**Recovery rate**



Z-score



## Parameter oriented report

### AZ8 B

#### Metoprolol

Unit	µg/l
Assigned value ± U (k=2)	1.09 ± 0.0751
Criterion	0.274 (25 %)
Minimum - Maximum	0.841 - 1.41
Control test value ± U (k=2)	1.12 ± 0.168

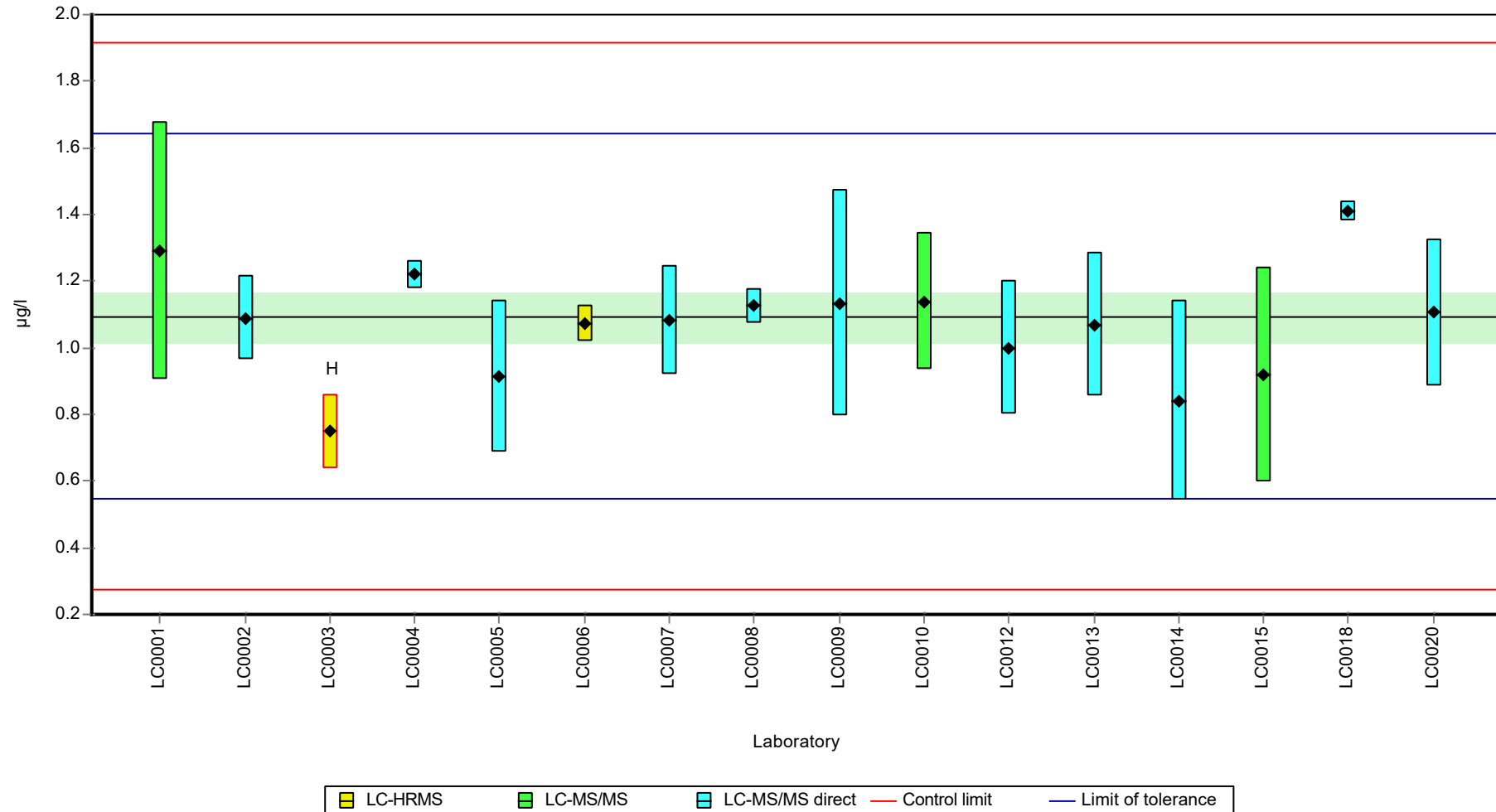
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	1.29	0.387	118	0.72	
LC0002	1.09	0.126	99.6	-0.02	
LC0003	0.749	0.112	68.5	-1.26	H
LC0004	1.22	0.042	112	0.46	
LC0005	0.914	0.228	83.5	-0.66	
LC0006	1.0733	0.0537	98.1	-0.08	
LC0007	1.083	0.162	99	-0.04	
LC0008	1.126	0.052	103	0.12	
LC0009	1.133	0.34	104	0.14	
LC0010	1.138	0.205	104	0.16	
LC0011	-	-	-	-	
LC0012	1	0.2	91.4	-0.34	
LC0013	1.07	0.214	97.8	-0.09	
LC0014	0.841	0.3	76.9	-0.93	
LC0015	0.918	0.321	83.9	-0.64	
LC0016	-	-	-	-	
LC0017	-	-	-	-	
LC0018	1.41	0.028	129	1.15	
LC0019	-	-	-	-	
LC0020	1.106	0.22	101	0.04	
LC0021	-	-	-	-	

#### Characteristics of parameter

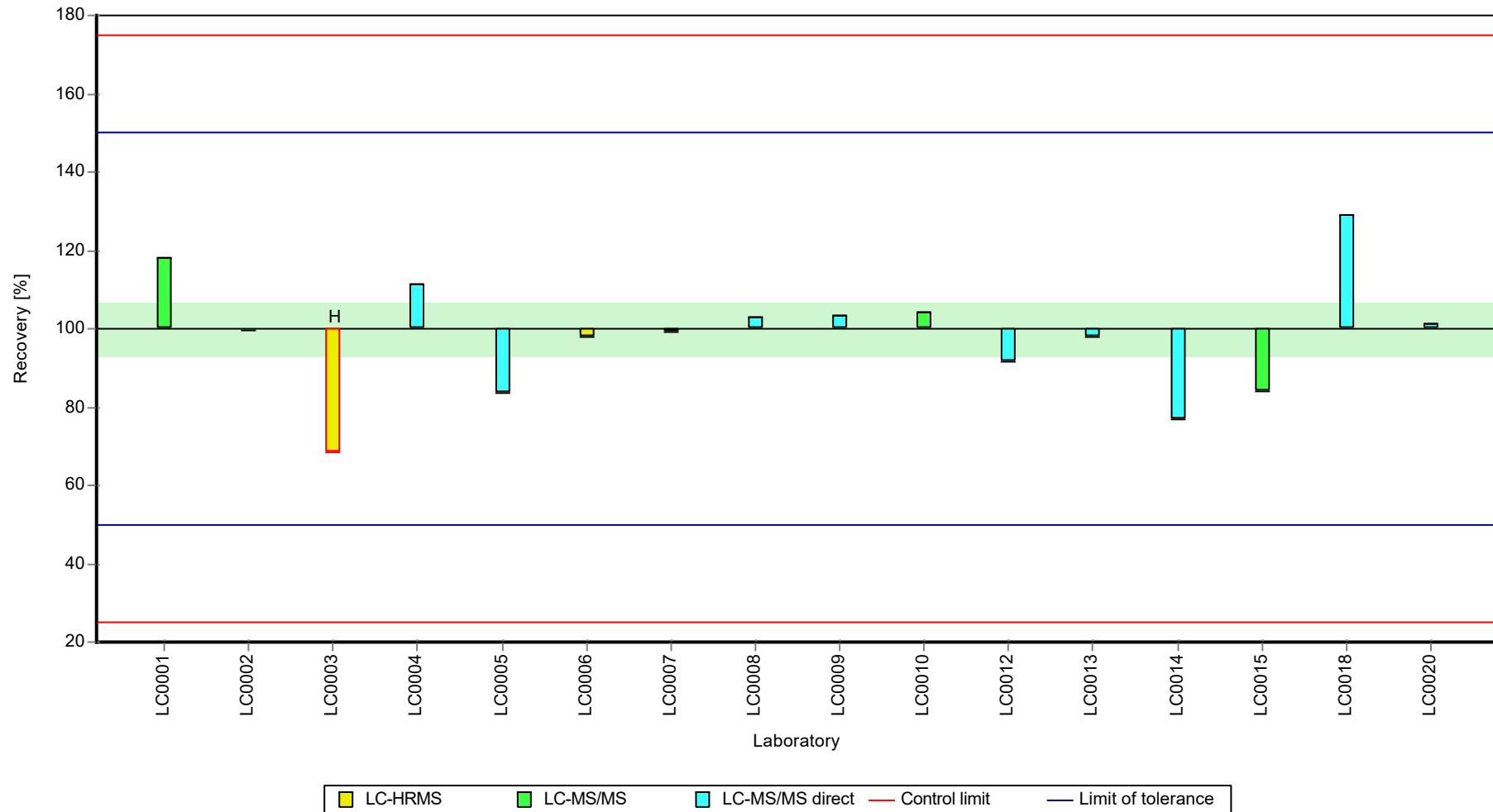
	all results	without outliers	Unit
Mean ± CI (99%)	1.07 ± 0.124	1.09 ± 0.113	µg/l
Minimum	0.749	0.841	µg/l
Maximum	1.41	1.41	µg/l
Standard deviation	0.165	0.145	µg/l
rel. standard deviation	15.4	13.3	%
n	16	15	-

Graphical presentation of results

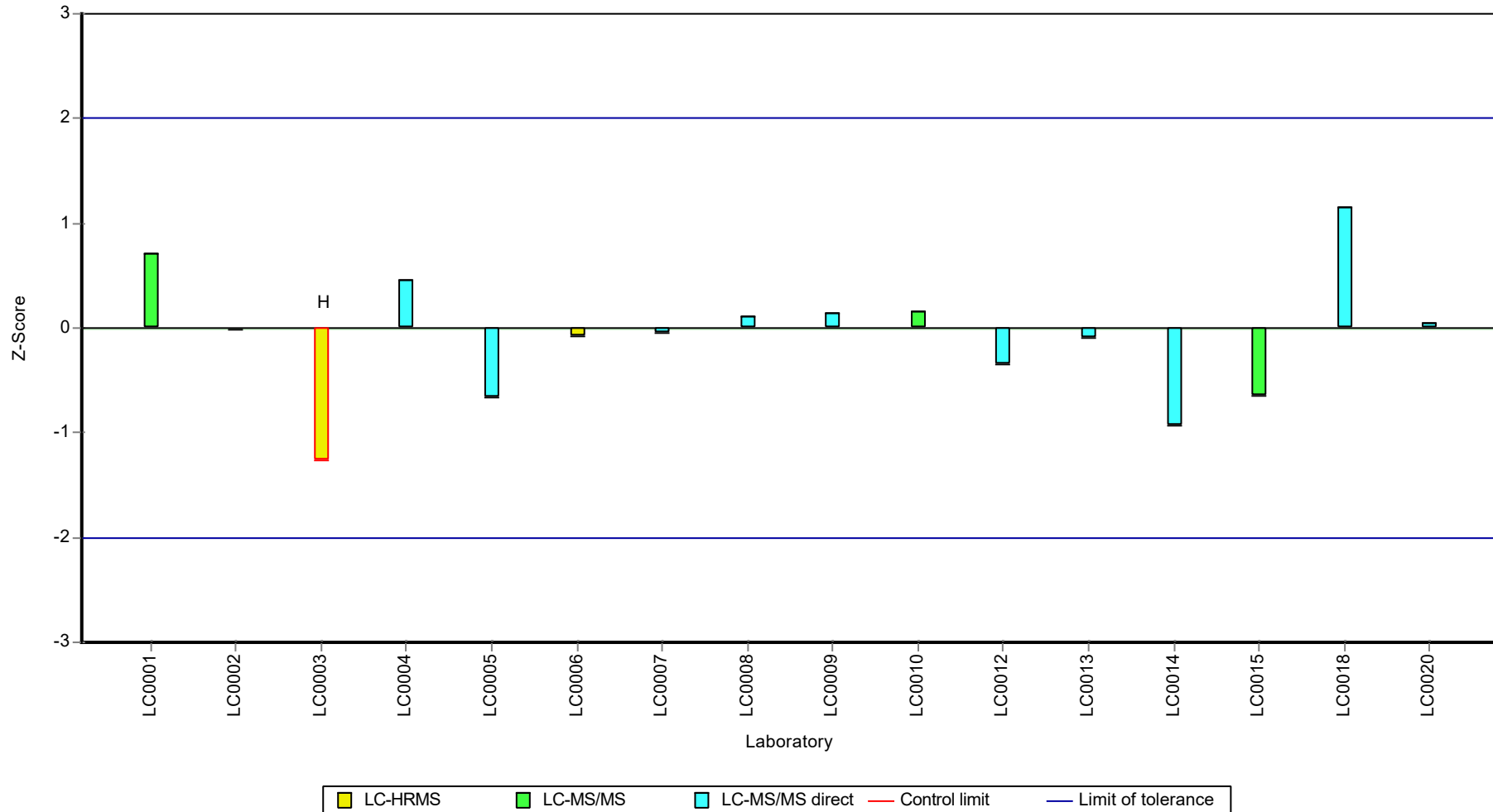
Results



**Recovery rate**



Z-score





## Parameter oriented report

### AZ8 A

#### Saccharin

Unit	µg/l
Assigned value ± U (k=2)	0.514 ± 0.0512
Criterion	0.113 (22 %)
Minimum - Maximum	0.458 - 0.629
Control test value ± U (k=2)	0.358 ± 0.0715

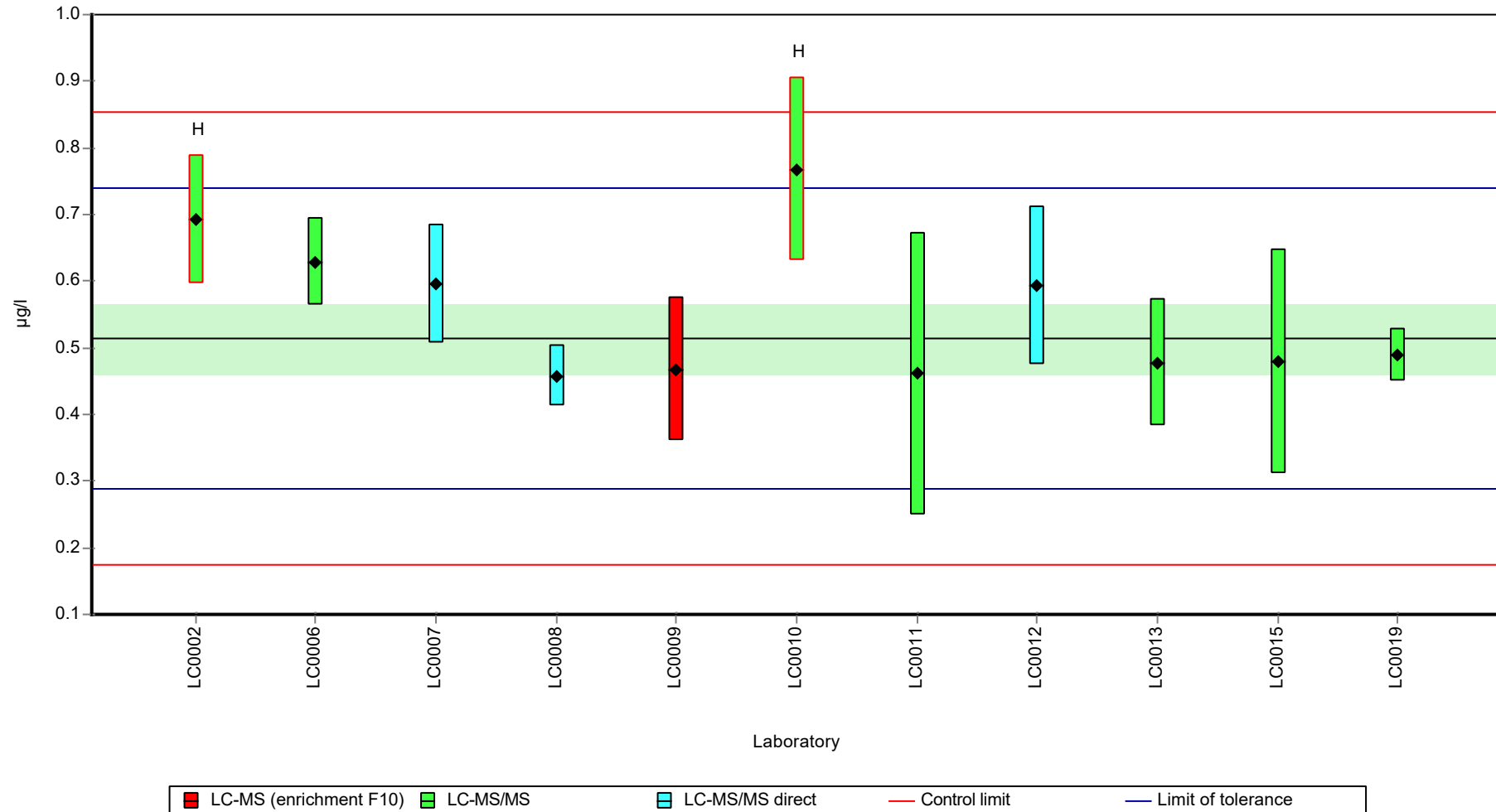
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	0.692	0.0963	135	1.58	H
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	-	-	-	-	
LC0006	0.629	0.0657	122	1.02	
LC0007	0.595	0.089	116	0.72	
LC0008	0.458	0.045	89.1	-0.49	
LC0009	0.468	0.108	91.1	-0.41	
LC0010	0.768	0.138	149	2.25	H
LC0011	0.461	0.212	89.7	-0.47	
LC0012	0.593	0.119	115	0.7	
LC0013	0.478	0.0956	93	-0.32	
LC0014	-	-	-	-	
LC0015	0.479	0.168	93.2	-0.31	
LC0016	-	-	-	-	
LC0017	-	-	-	-	
LC0018	-	-	-	-	
LC0019	0.4894	0.0404	95.2	-0.22	
LC0020	-	-	-	-	
LC0021	-	-	-	-	

#### Characteristics of parameter

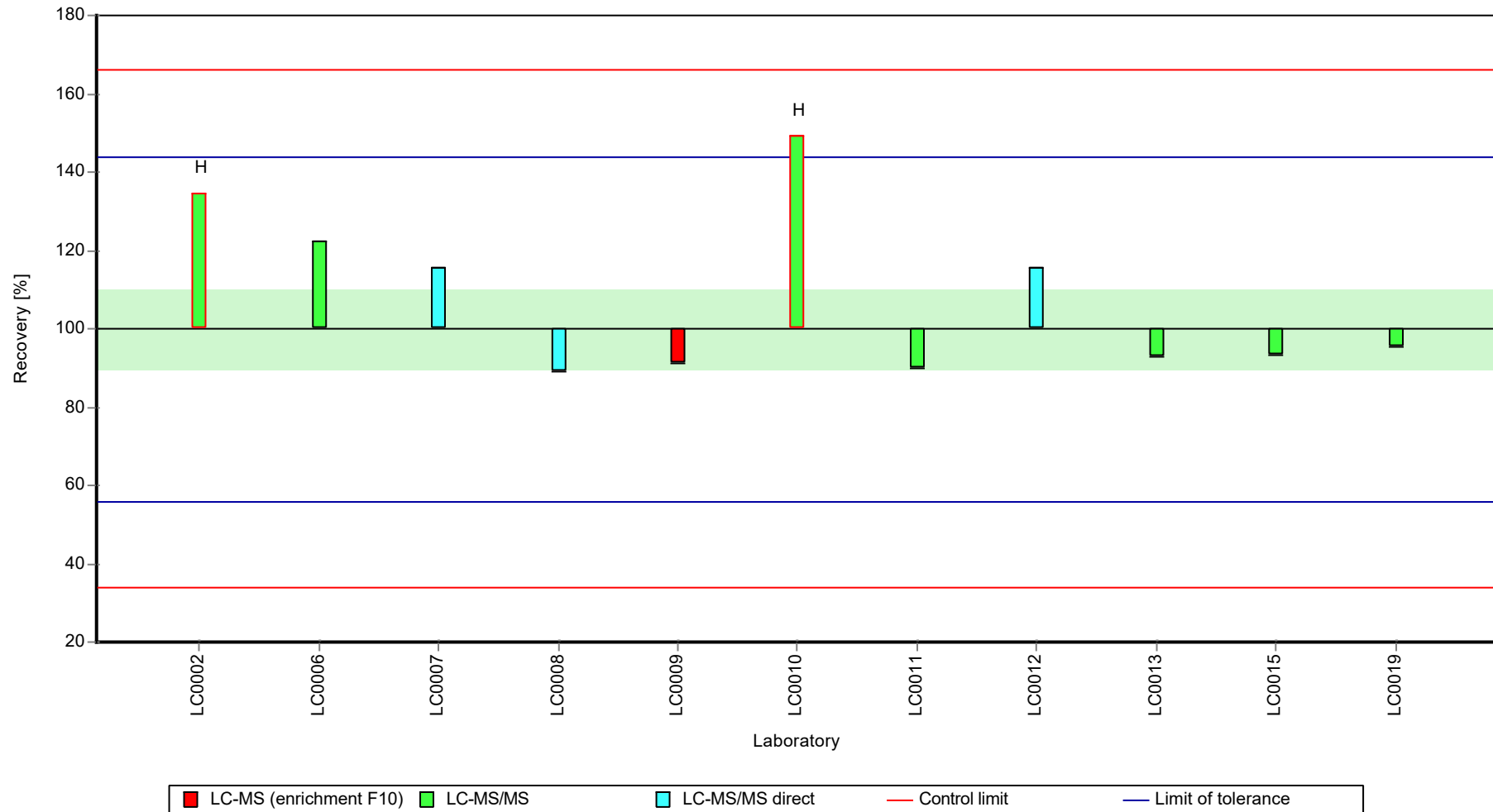
	all results	without outliers	Unit
Mean ± CI (99%)	0.555 ± 0.0968	0.517 ± 0.0681	µg/l
Minimum	0.458	0.458	µg/l
Maximum	0.768	0.629	µg/l
Standard deviation	0.107	0.0681	µg/l
rel. standard deviation	19.3	13.2	%
n	11	9	-

Graphical presentation of results

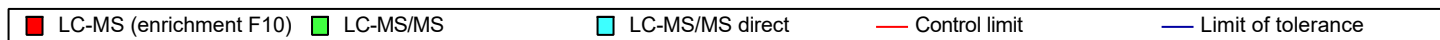
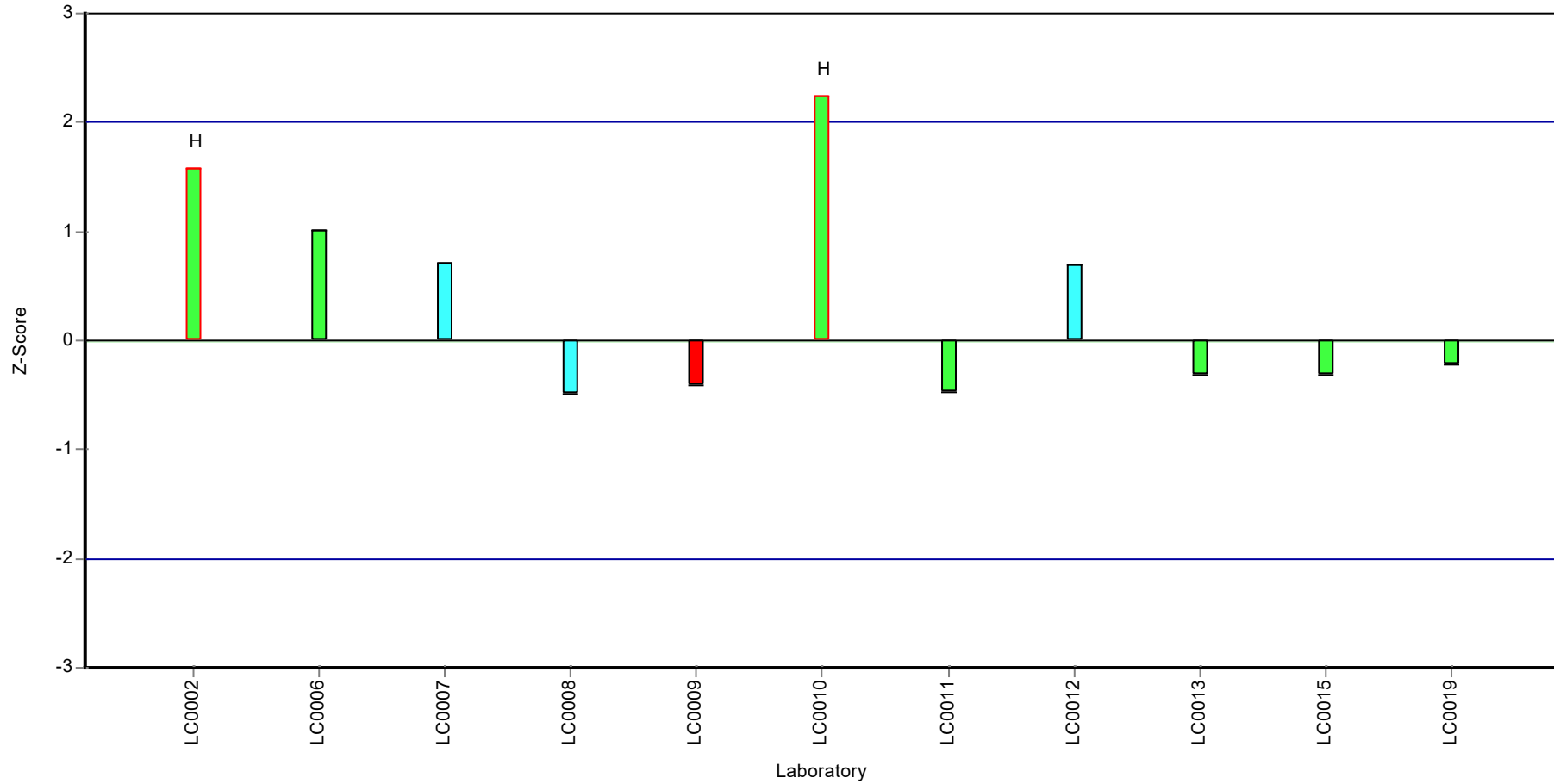
Results



**Recovery rate**



Z-score



## Parameter oriented report

### AZ8 B

#### Saccharin

Unit	µg/l
Assigned value ± U (k=2)	21.9 ± 1.84
Criterion	4.81 (22 %)
Minimum - Maximum	17.2 - 25.7
Control test value ± U (k=2)	18.4 ± 3.67

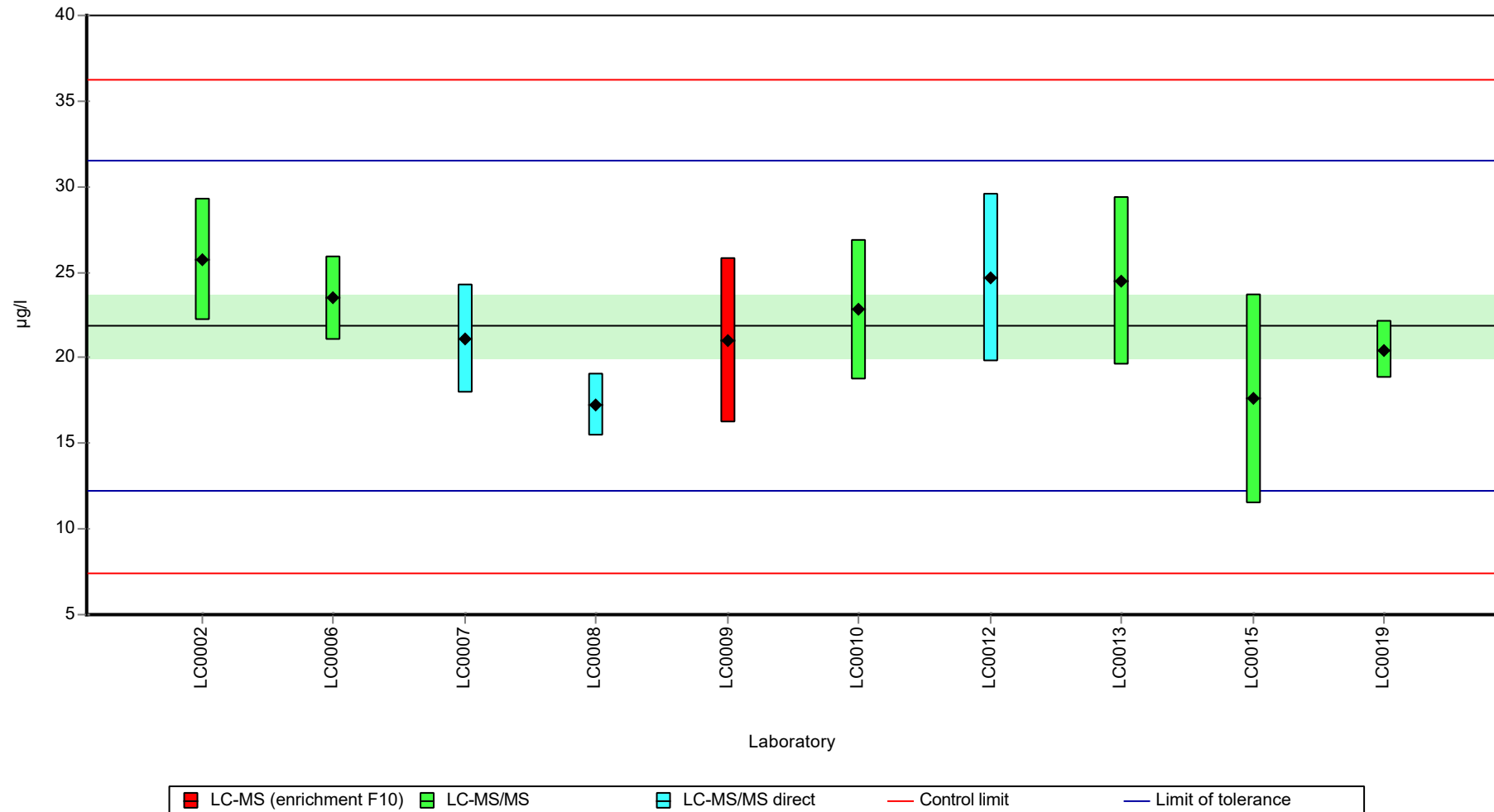
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	25.7	3.57	118	0.8	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	-	-	-	-	
LC0006	23.4867	2.4544	107	0.34	
LC0007	21.09	3.163	96.5	-0.16	
LC0008	17.247	1.845	78.9	-0.96	
LC0009	21	4.83	96.1	-0.18	
LC0010	22.79	4.1	104	0.2	
LC0011	-	-	-	-	
LC0012	24.7	4.93	113	0.59	
LC0013	24.5	4.9	112	0.55	
LC0014	-	-	-	-	
LC0015	17.586	6.155	80.5	-0.89	
LC0016	-	-	-	-	
LC0017	-	-	-	-	
LC0018	-	-	-	-	
LC0019	20.4305	1.6876	93.5	-0.3	
LC0020	-	-	-	-	
LC0021	-	-	-	-	

#### Characteristics of parameter

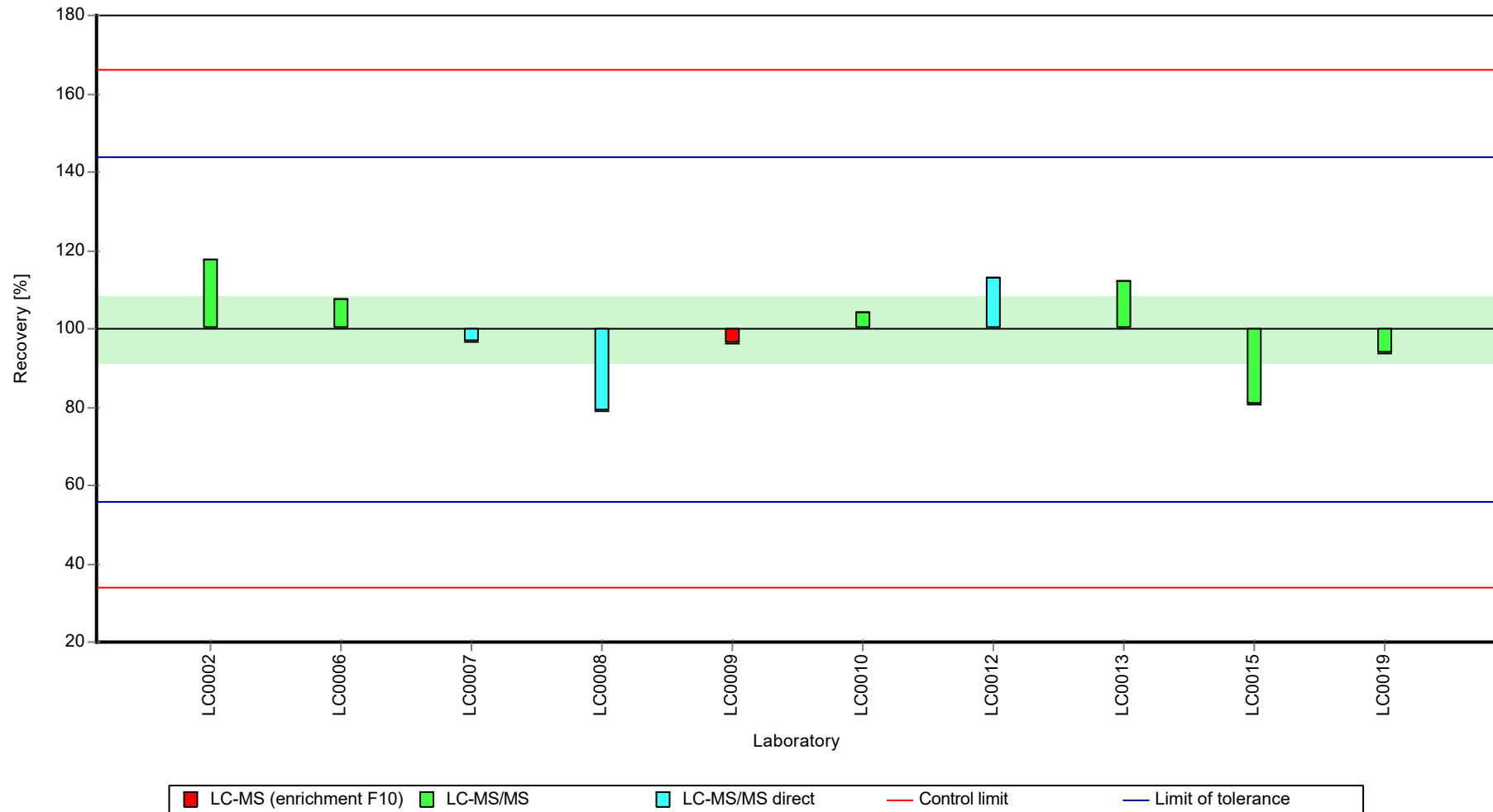
	all results	without outliers	Unit
Mean ± CI (99%)	21.9 ± 2.76	21.9 ± 2.76	µg/l
Minimum	17.2	17.2	µg/l
Maximum	25.7	25.7	µg/l
Standard deviation	2.91	2.91	µg/l
rel. standard deviation	13.3	13.3	%
n	10	10	-

Graphical presentation of results

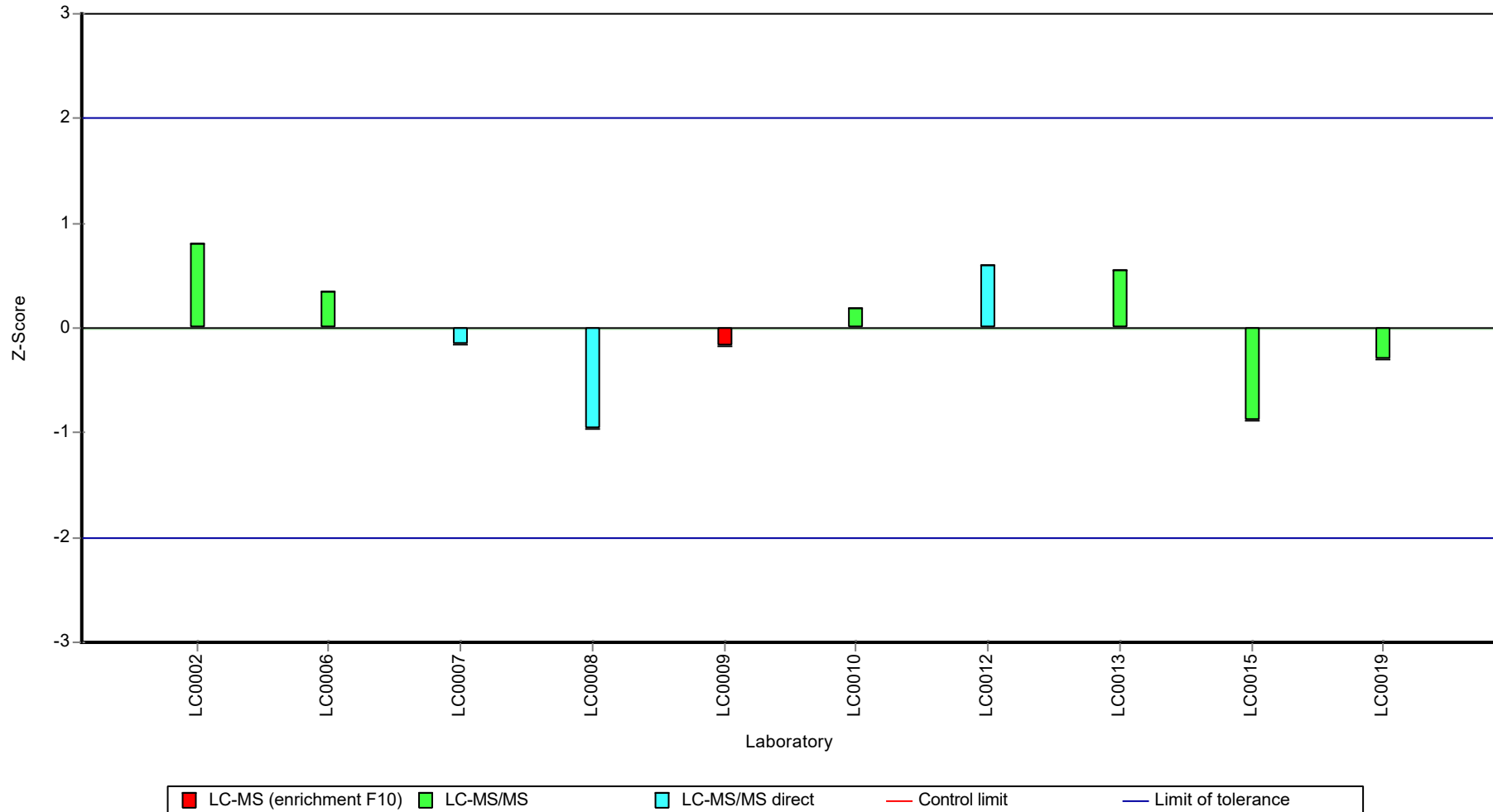
Results



**Recovery rate**



Z-score





## Parameter oriented report

### AZ8 A

#### Sotalol

Unit	µg/l
Assigned value ± U (k=2)	0.148 ± 0.0207
Criterion	0.0326 (22 %)
Minimum - Maximum	0.072 - 0.199
Control test value ± U (k=2)	0.137 ± 0.0342

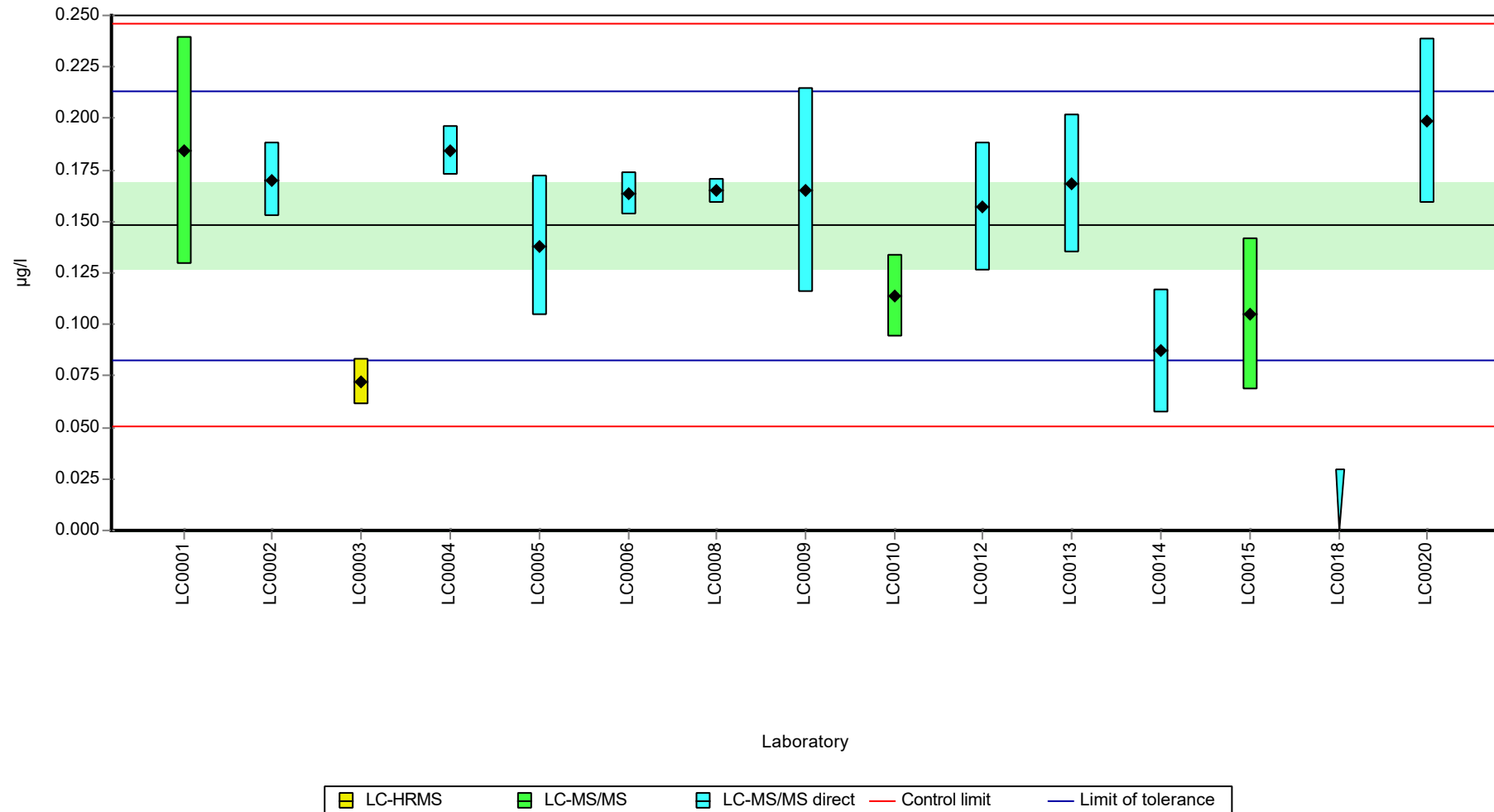
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.184	0.0552	124	1.11	
LC0002	0.17	0.0181	115	0.68	
LC0003	0.072	0.011	48.7	-2.33	
LC0004	0.184	0.012	124	1.11	
LC0005	0.138	0.034	93.3	-0.31	
LC0006	0.1637	0.0104	111	0.48	
LC0007	-	-	-	-	
LC0008	0.165	0.006	112	0.52	
LC0009	0.165	0.05	112	0.52	
LC0010	0.114	0.02	77	-1.04	
LC0011	-	-	-	-	
LC0012	0.157	0.031	106	0.28	
LC0013	0.168	0.0336	114	0.61	
LC0014	0.087	0.03	58.8	-1.87	
LC0015	0.105	0.037	71	-1.32	
LC0016	-	-	-	-	
LC0017	-	-	-	-	
LC0018	<0.03 (LOD)	-	-	-	FN
LC0019	-	-	-	-	
LC0020	0.199	0.04	134	1.57	
LC0021	-	-	-	-	

#### Characteristics of parameter

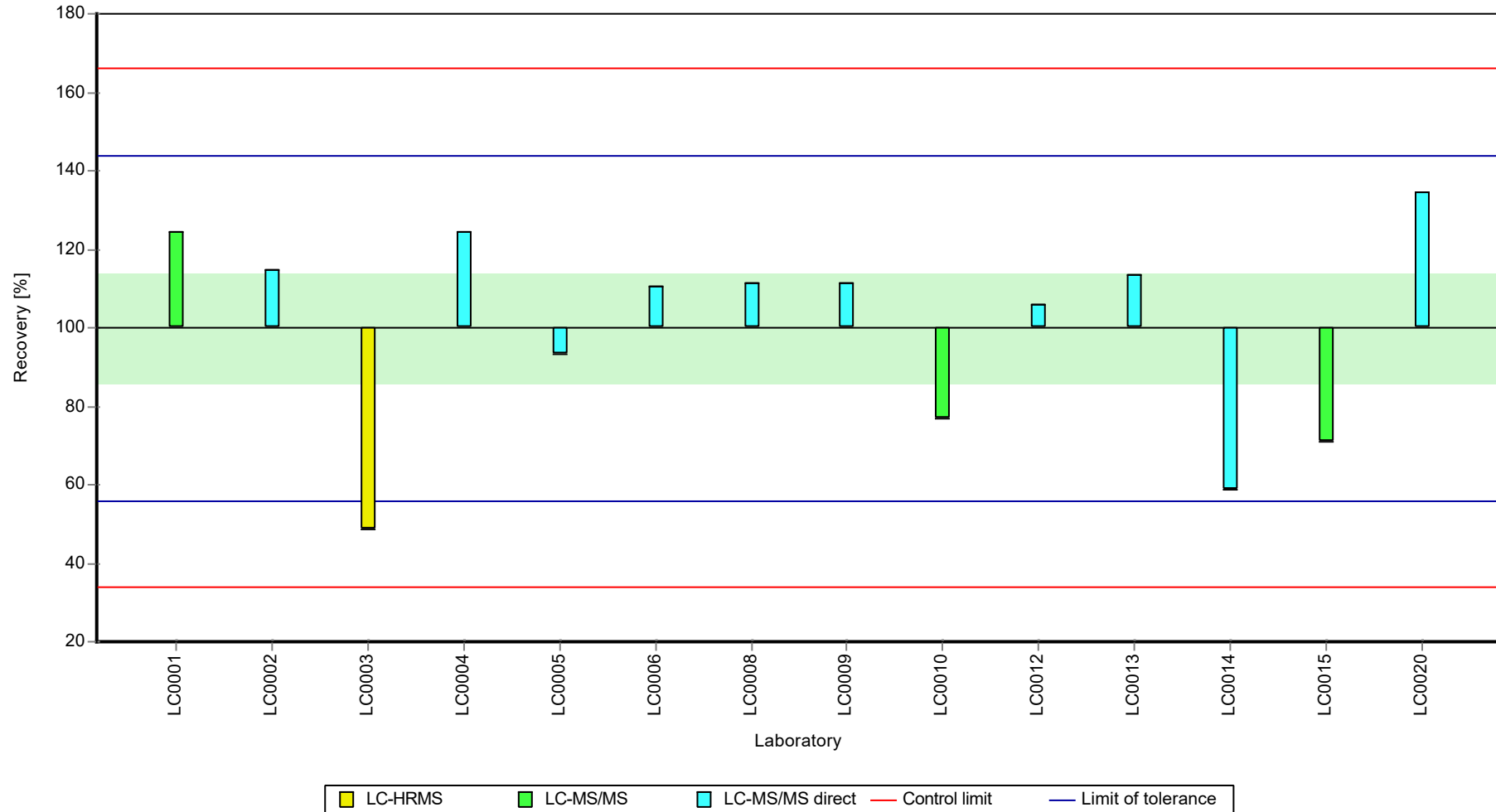
	all results	without outliers	Unit
Mean ± CI (99%)	0.148 ± 0.0311	0.148 ± 0.0311	µg/l
Minimum	0.072	0.072	µg/l
Maximum	0.199	0.199	µg/l
Standard deviation	0.0388	0.0388	µg/l
rel. standard deviation	26.2	26.2	%
n	14	14	-

Graphical presentation of results

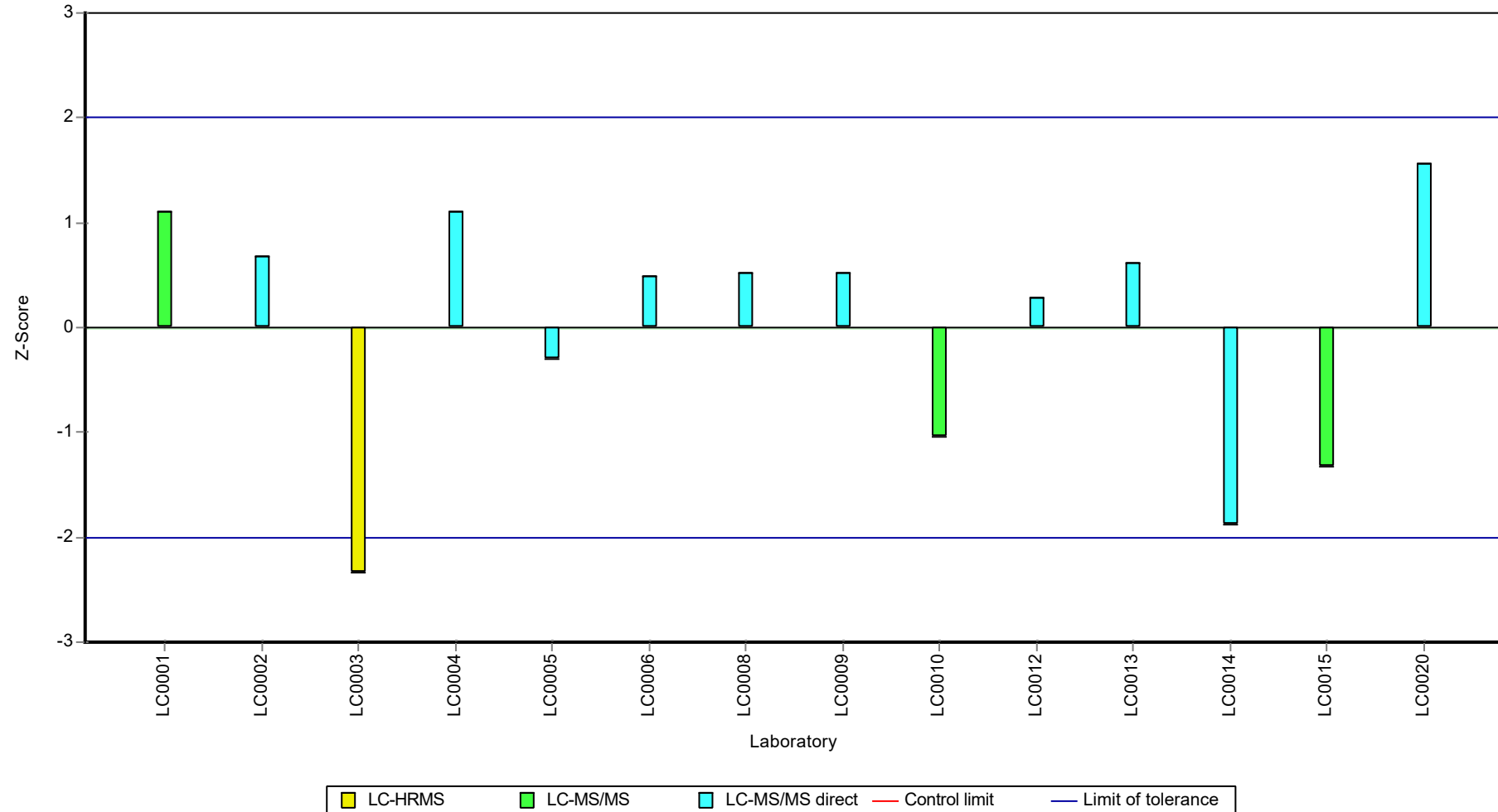
Results



**Recovery rate**



Z-score



## Parameter oriented report

### AZ8 B

#### Sotalol

Unit	µg/l
Assigned value ± U (k=2)	0.767 ± 0.0685
Criterion	0.169 (22 %)
Minimum - Maximum	0.539 - 0.992
Control test value ± U (k=2)	0.998 ± 0.25

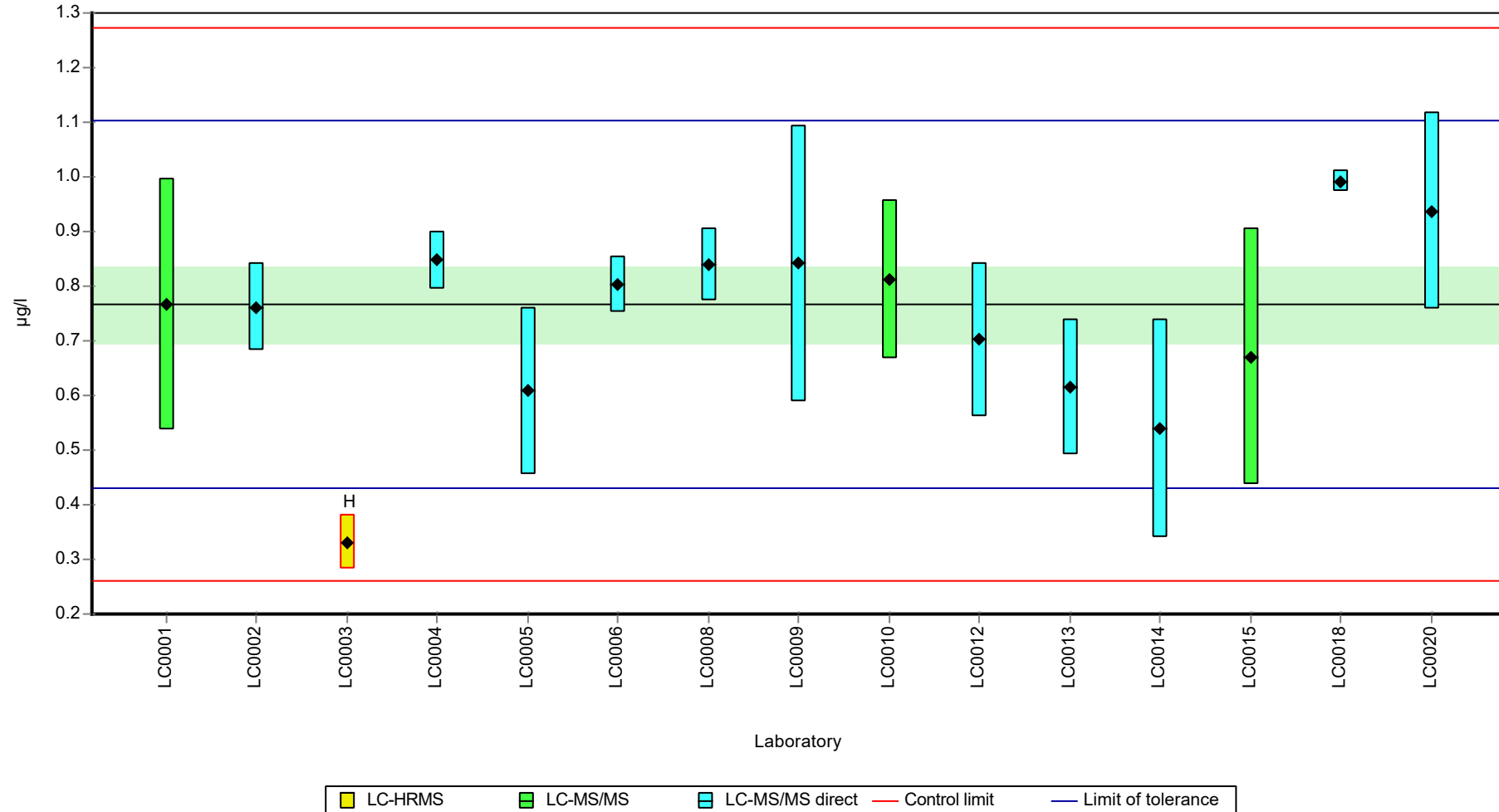
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.767	0.2301	100	0.00	
LC0002	0.762	0.0816	99.4	-0.03	
LC0003	0.331	0.05	43.2	-2.58	H
LC0004	0.847	0.054	110	0.48	
LC0005	0.608	0.152	79.3	-0.94	
LC0006	0.8027	0.051	105	0.21	
LC0007	-	-	-	-	
LC0008	0.839	0.066	109	0.43	
LC0009	0.841	0.252	110	0.44	
LC0010	0.812	0.146	106	0.27	
LC0011	-	-	-	-	
LC0012	0.702	0.14	91.6	-0.38	
LC0013	0.615	0.123	80.2	-0.9	
LC0014	0.539	0.2	70.3	-1.35	
LC0015	0.671	0.235	87.5	-0.57	
LC0016	-	-	-	-	
LC0017	-	-	-	-	
LC0018	0.992	0.02	129	1.34	
LC0019	-	-	-	-	
LC0020	0.937	0.18	122	1.01	
LC0021	-	-	-	-	

#### Characteristics of parameter

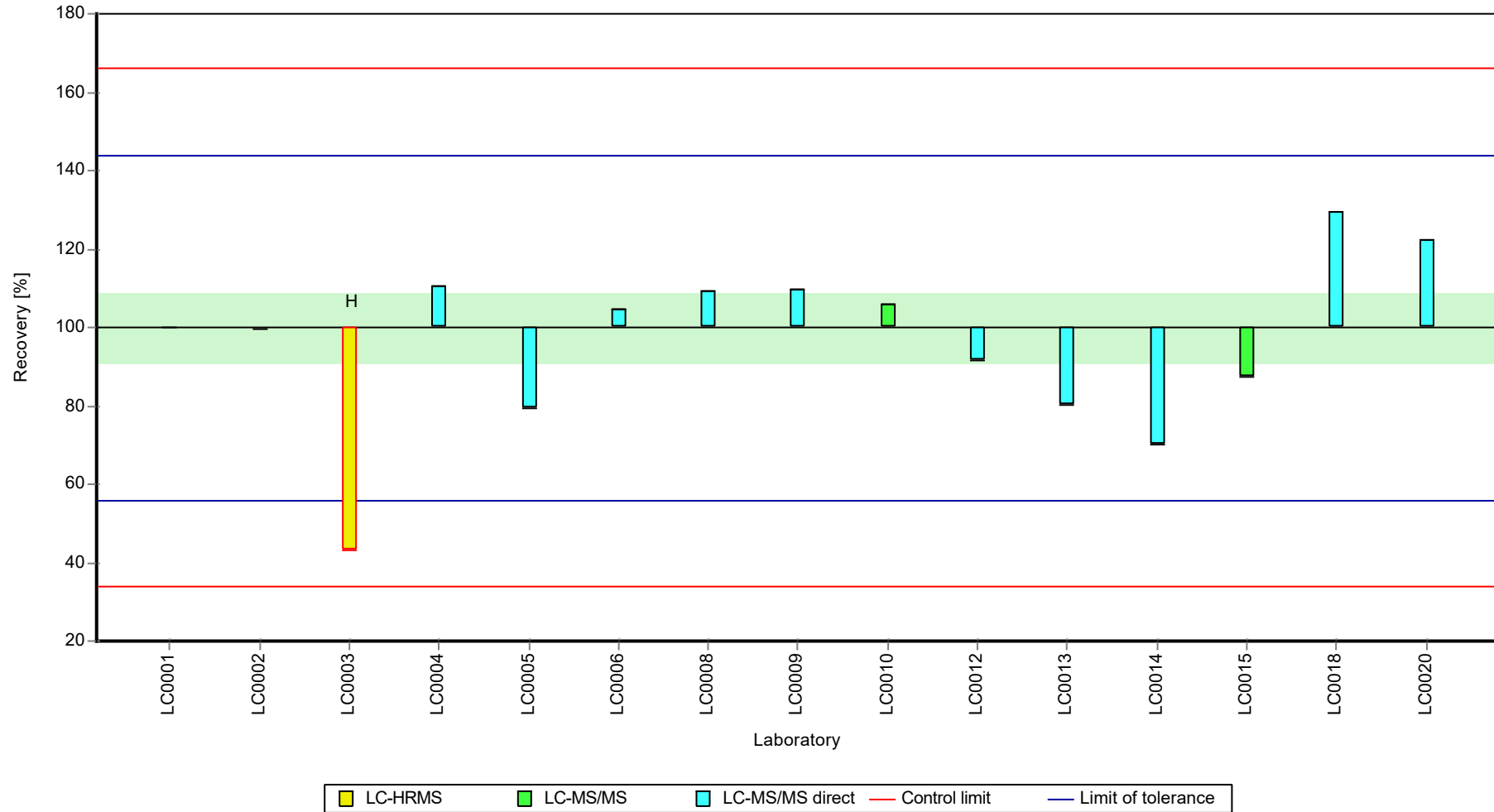
	all results	without outliers	Unit
Mean ± CI (99%)	0.738 ± 0.129	0.767 ± 0.103	µg/l
Minimum	0.331	0.539	µg/l
Maximum	0.992	0.992	µg/l
Standard deviation	0.167	0.128	µg/l
rel. standard deviation	22.7	16.7	%
n	15	14	-

Graphical presentation of results

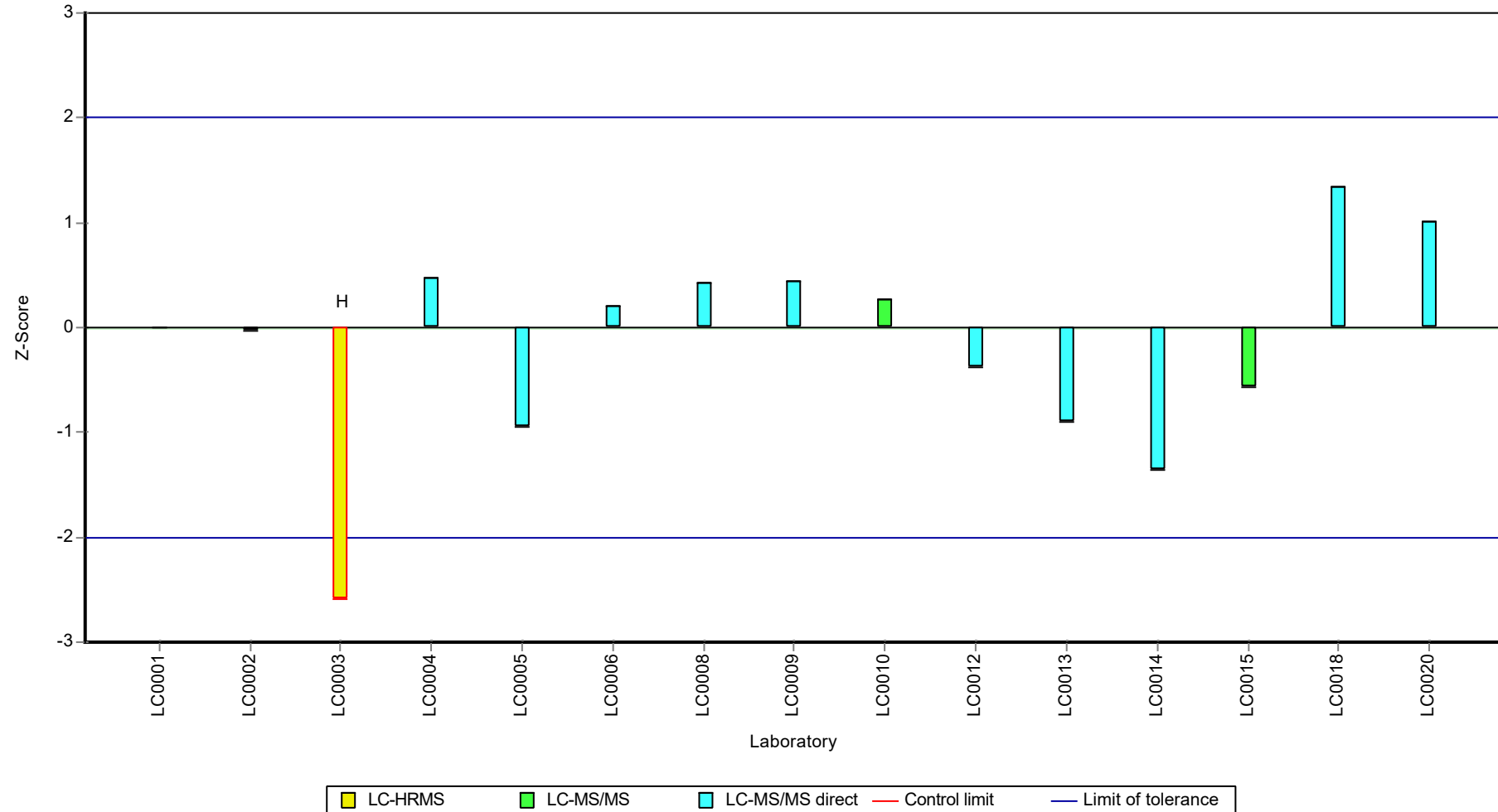
Results



**Recovery rate**



Z-score





## Parameter oriented report

### AZ8 A

#### Sucralose

Unit	µg/l
Assigned value ± U (k=2)	1.08 ± 0.213
Criterion	0.325 (30 %)
Minimum - Maximum	0.349 - 1.63
Control test value ± U (k=2)	0.959 ± 0.192

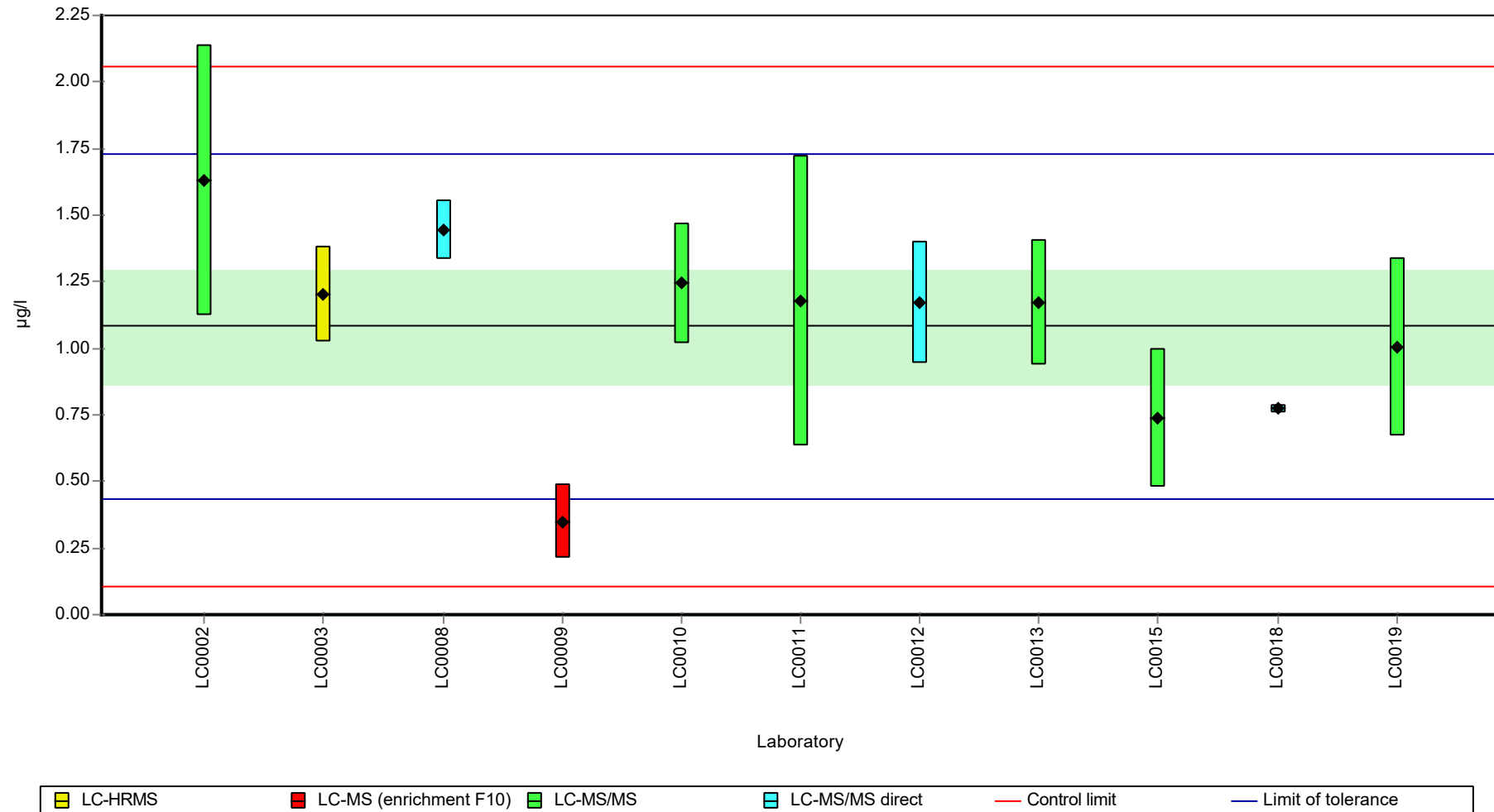
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	1.63	0.506	151	1.69	
LC0003	1.2	0.18	111	0.36	
LC0004	-	-	-	-	
LC0005	-	-	-	-	
LC0006	-	-	-	-	
LC0007	-	-	-	-	
LC0008	1.443	0.111	133	1.11	
LC0009	0.349	0.14	32.3	-2.26	
LC0010	1.243	0.224	115	0.5	
LC0011	1.18	0.545	109	0.3	
LC0012	1.17	0.23	108	0.27	
LC0013	1.17	0.234	108	0.27	
LC0014	-	-	-	-	
LC0015	0.738	0.258	68.2	-1.06	
LC0016	-	-	-	-	
LC0017	-	-	-	-	
LC0018	0.774	0.016	71.5	-0.95	
LC0019	1.0036	0.337	92.8	-0.24	
LC0020	-	-	-	-	
LC0021	-	-	-	-	

#### Characteristics of parameter

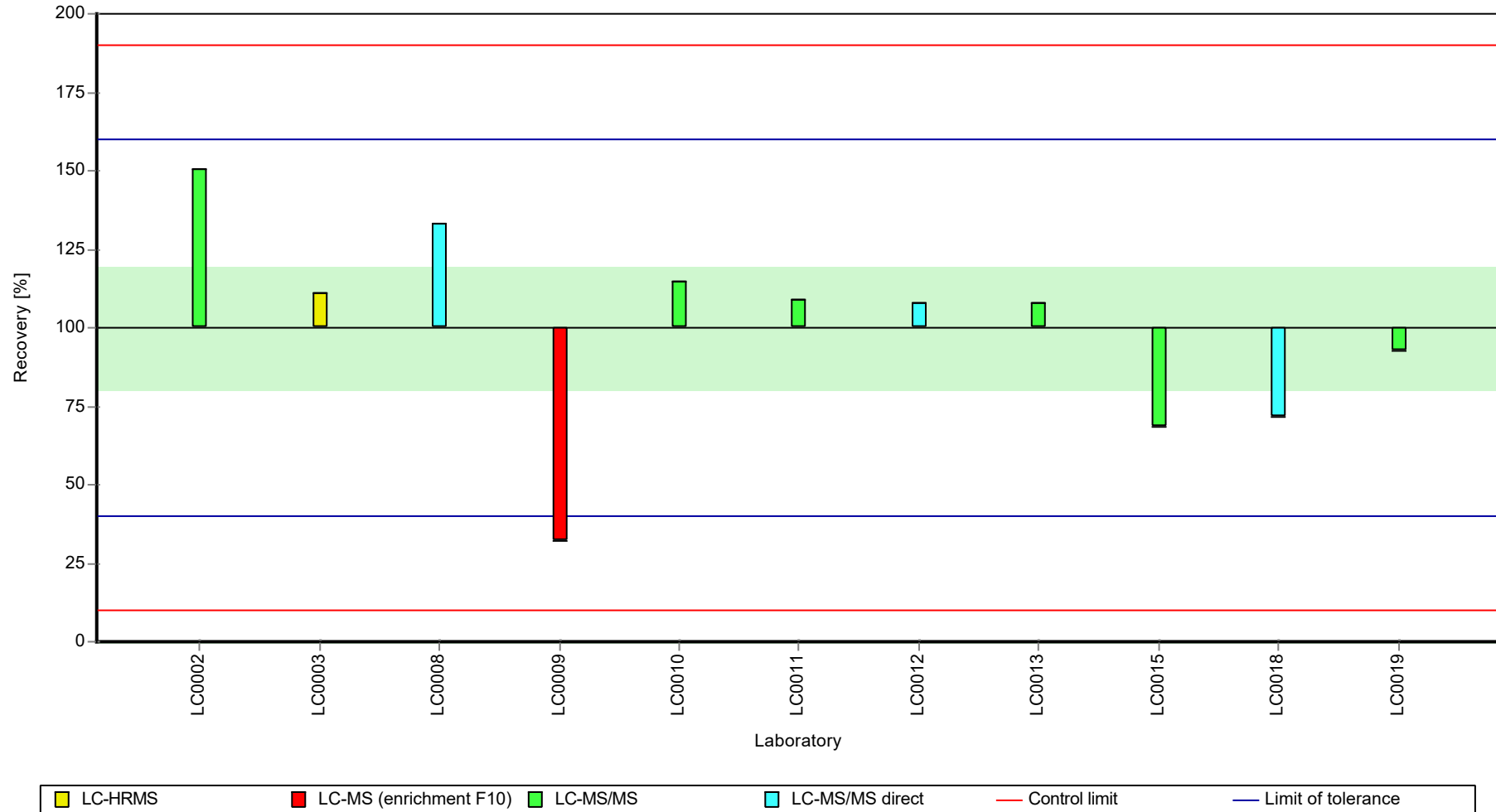
	all results	without outliers	Unit
Mean ± CI (99%)	1.08 ± 0.32	1.08 ± 0.32	µg/l
Minimum	0.349	0.349	µg/l
Maximum	1.63	1.63	µg/l
Standard deviation	0.354	0.354	µg/l
rel. standard deviation	32.7	32.7	%
n	11	11	-

Graphical presentation of results

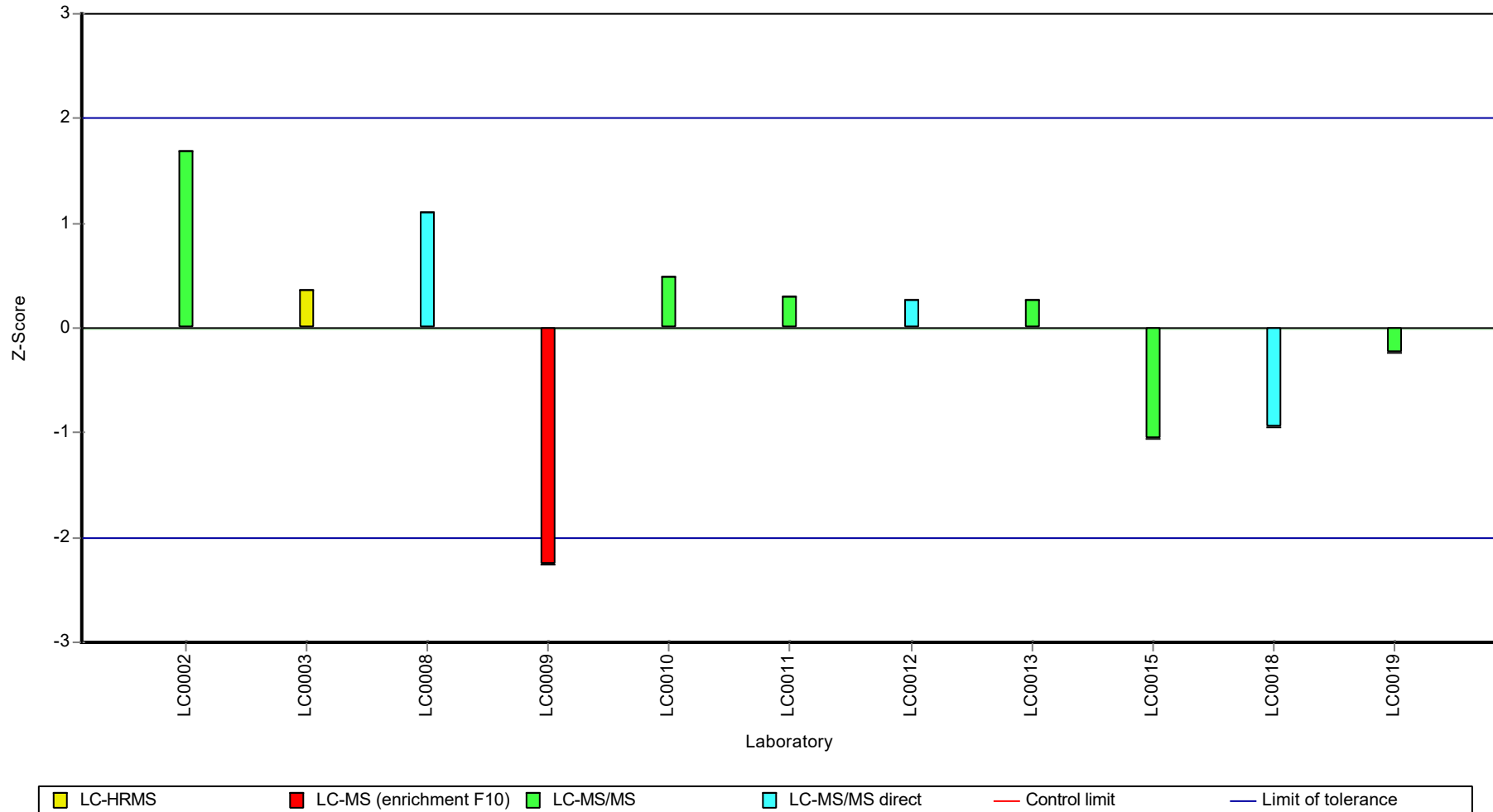
Results



**Recovery rate**



Z-score



## Parameter oriented report

### AZ8 B

#### Sucralose

Unit	µg/l
Assigned value ± U (k=2)	10.3 ± 2.31
Criterion	3.1 (30 %)
Minimum - Maximum	5.61 - 15.4
Control test value ± U (k=2)	12.4 ± 2.47

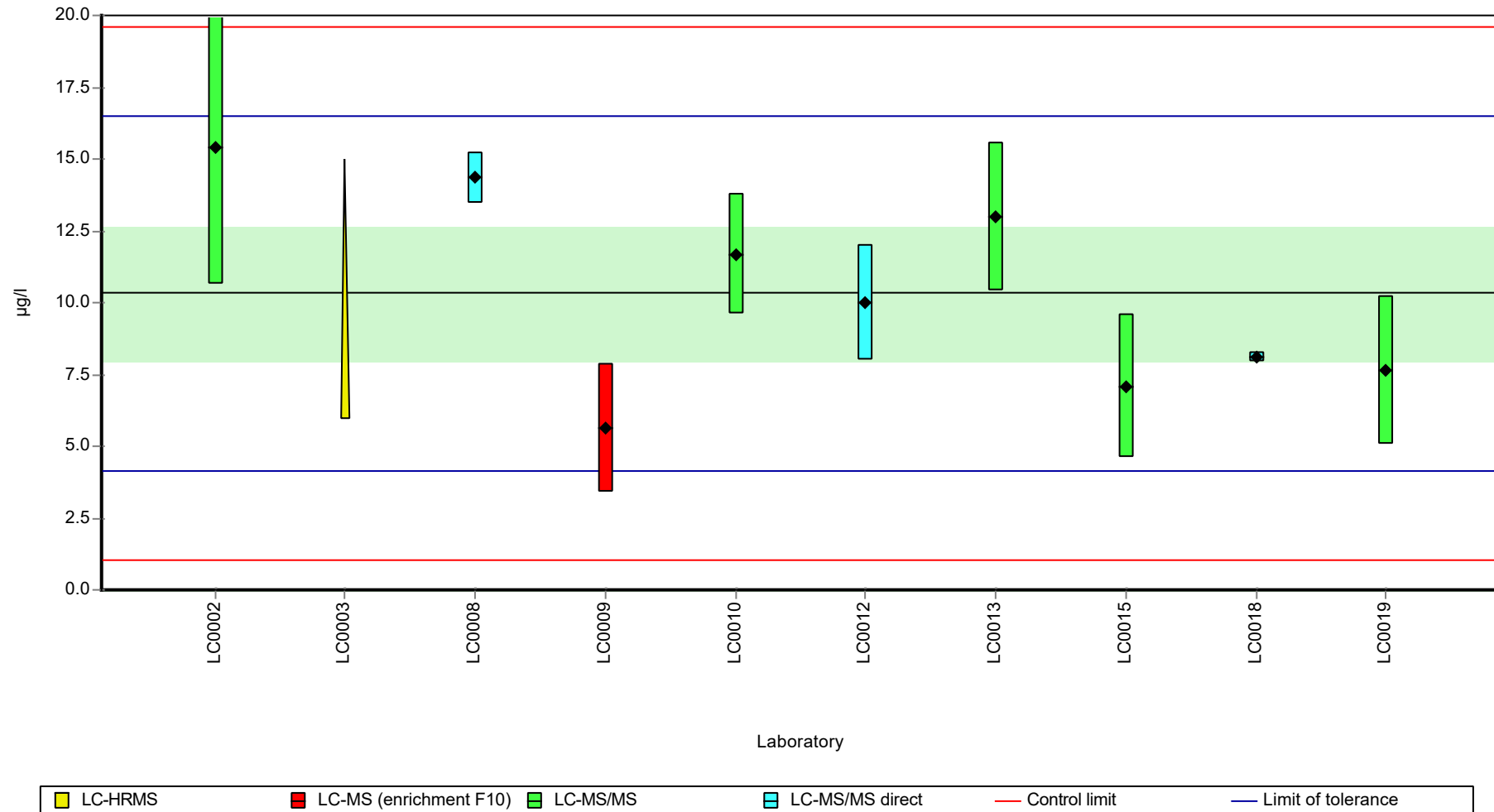
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	15.4	4.78	149	1.64	
LC0003	>6.0	-	-	-	
LC0004	-	-	-	-	
LC0005	-	-	-	-	
LC0006	-	-	-	-	
LC0007	-	-	-	-	
LC0008	14.346	0.895	139	1.3	
LC0009	5.61	2.24	54.4	-1.52	
LC0010	11.68	2.1	113	0.44	
LC0011	-	-	-	-	
LC0012	10	2	96.9	-0.1	
LC0013	13	2.6	126	0.87	
LC0014	-	-	-	-	
LC0015	7.089	2.481	68.7	-1.04	
LC0016	-	-	-	-	
LC0017	-	-	-	-	
LC0018	8.11	0.165	78.6	-0.71	
LC0019	7.6384	2.565	74	-0.87	
LC0020	-	-	-	-	
LC0021	-	-	-	-	

#### Characteristics of parameter

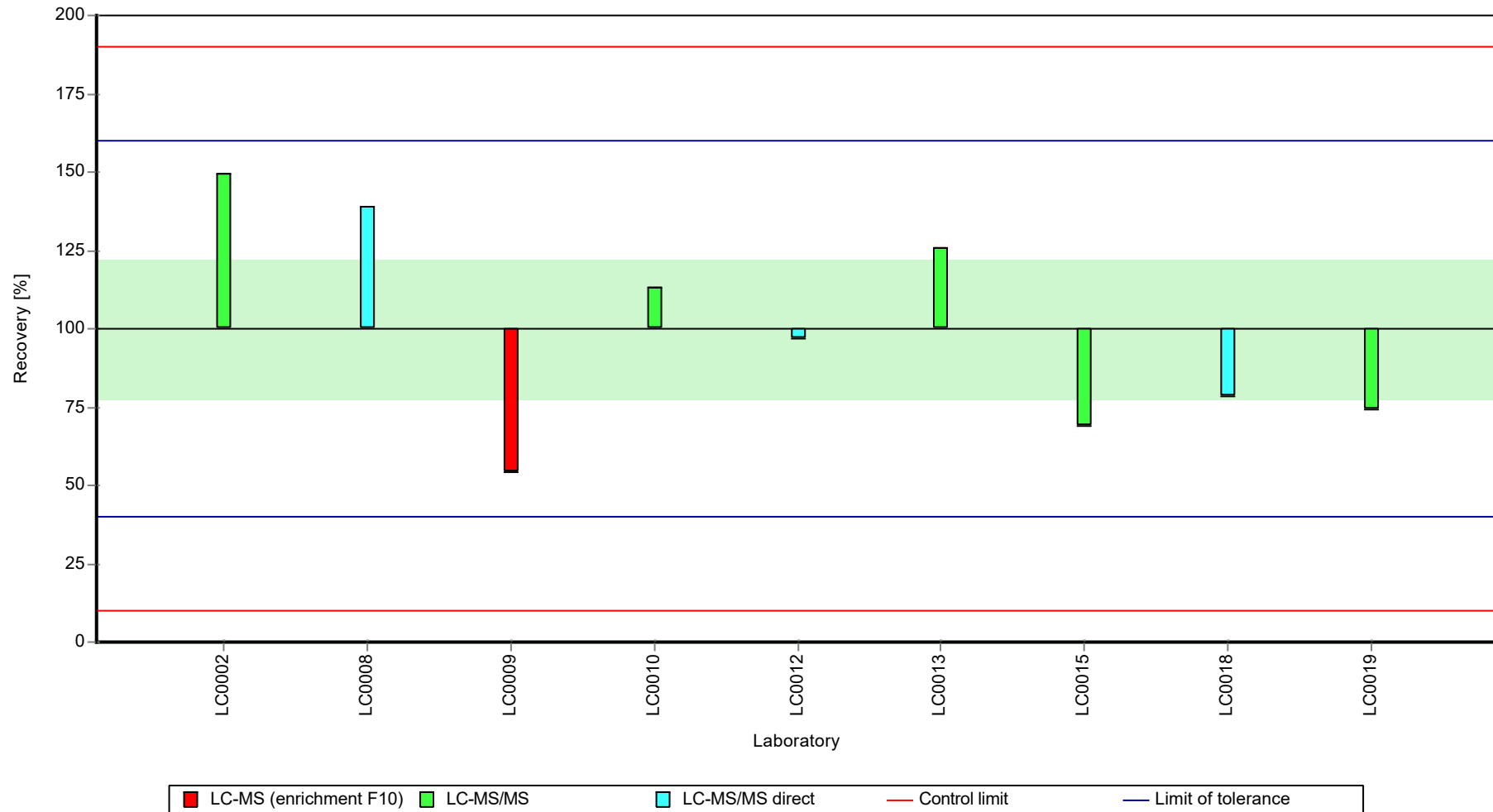
	all results	without outliers	Unit
Mean ± CI (99%)	10.3 ± 3.46	10.3 ± 3.46	µg/l
Minimum	5.61	5.61	µg/l
Maximum	15.4	15.4	µg/l
Standard deviation	3.46	3.46	µg/l
rel. standard deviation	33.5	33.5	%
n	9	9	-

Graphical presentation of results

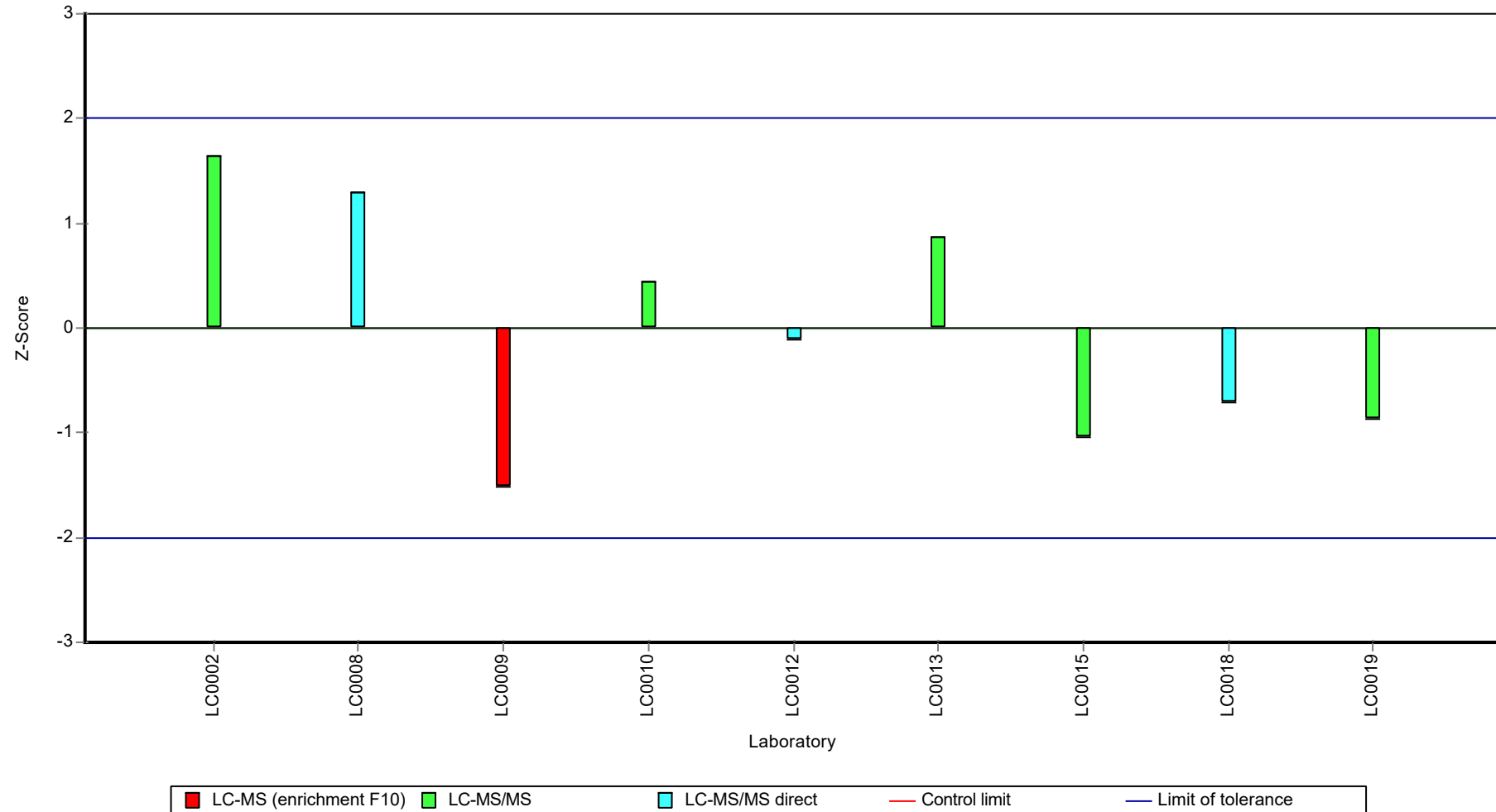
Results



**Recovery rate**



Z-score





## Parameter oriented report

### AZ8 A

#### Sulfamethoxazole

Unit	µg/l
Assigned value ± U (k=2)	0.29 ± 0.0137
Criterion	0.0348 (12 %)
Minimum - Maximum	0.229 - 0.33
Control test value ± U (k=2)	0.333 ± 0.05

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.3125	0.09375	108	0.65	
LC0002	0.401	0.121	138	3.2	H
LC0003	0.277	0.042	95.6	-0.37	
LC0004	0.308	0.012	106	0.52	
LC0005	0.229	0.057	79	-1.75	
LC0006	0.3297	0.0218	114	1.15	
LC0007	0.292	0.044	101	0.06	
LC0008	0.294	0.05	101	0.12	
LC0009	0.324	0.097	112	0.98	
LC0010	0.298	0.054	103	0.23	
LC0011	0.263	0.119	90.7	-0.77	
LC0012	0.313	0.063	108	0.67	
LC0013	0.301	0.0602	104	0.32	
LC0014	0.245	0.1	84.5	-1.29	
LC0015	0.242	0.073	83.5	-1.38	
LC0016	0.286	0.043	98.7	-0.11	
LC0017	-	-	-	-	
LC0018	0.163	0.004	56.2	-3.65	H
LC0019	0.32063	0.04874	111	0.89	
LC0020	0.302	0.06	104	0.35	
LC0021	0.28	0.0672	96.6	-0.28	

#### Characteristics of parameter

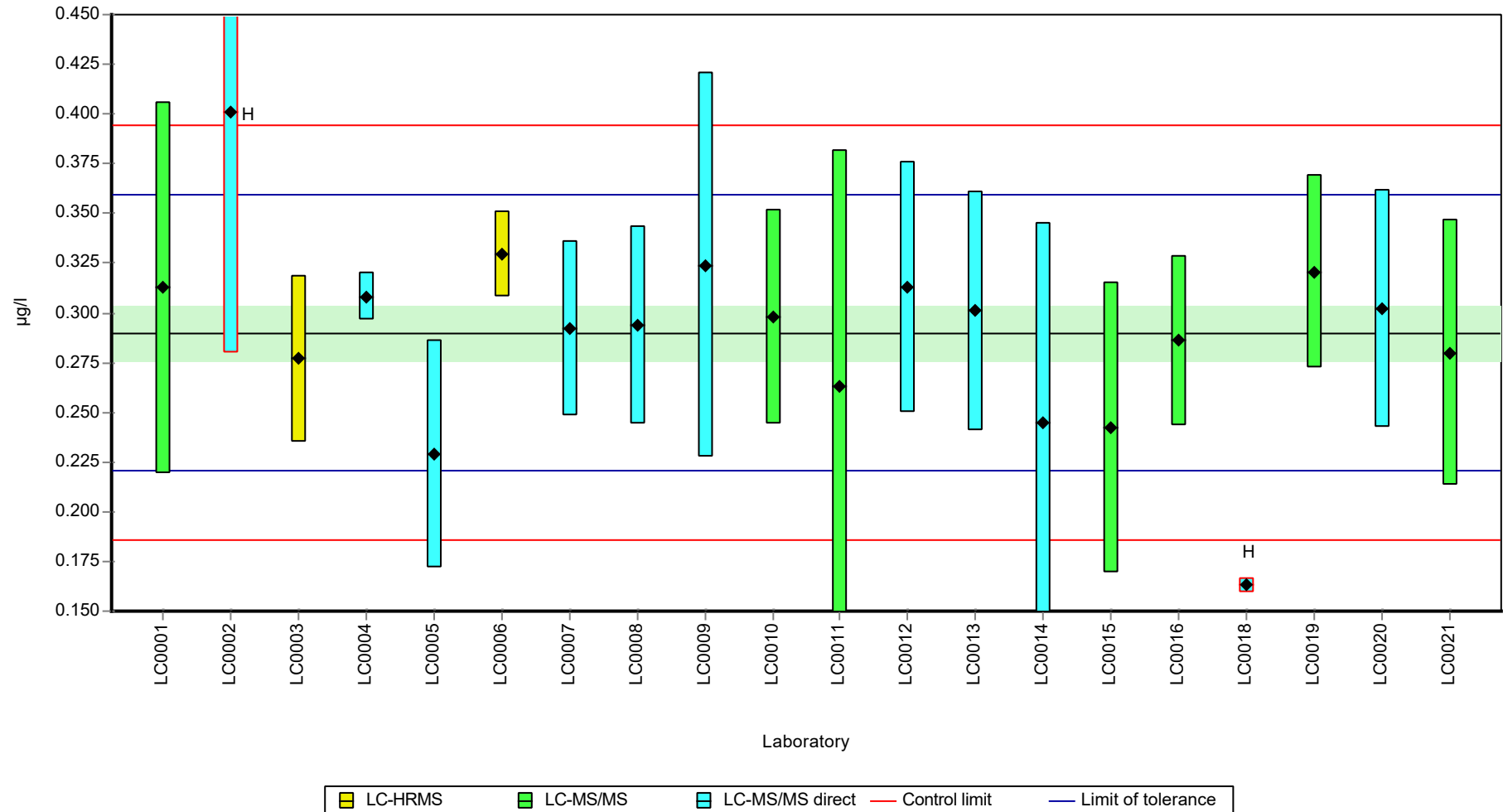
	all results	without outliers	Unit
Mean ± CI (99%)	0.289 ± 0.0319	0.29 ± 0.0206	µg/l
Minimum	0.163	0.229	µg/l
Maximum	0.401	0.33	µg/l
Standard deviation	0.0475	0.0291	µg/l
rel. standard deviation	16.4	10.1	%
n	20	18	-

Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ8

Sample: AZ8A, Parameter: Sulfamethoxazole

Graphical presentation of results

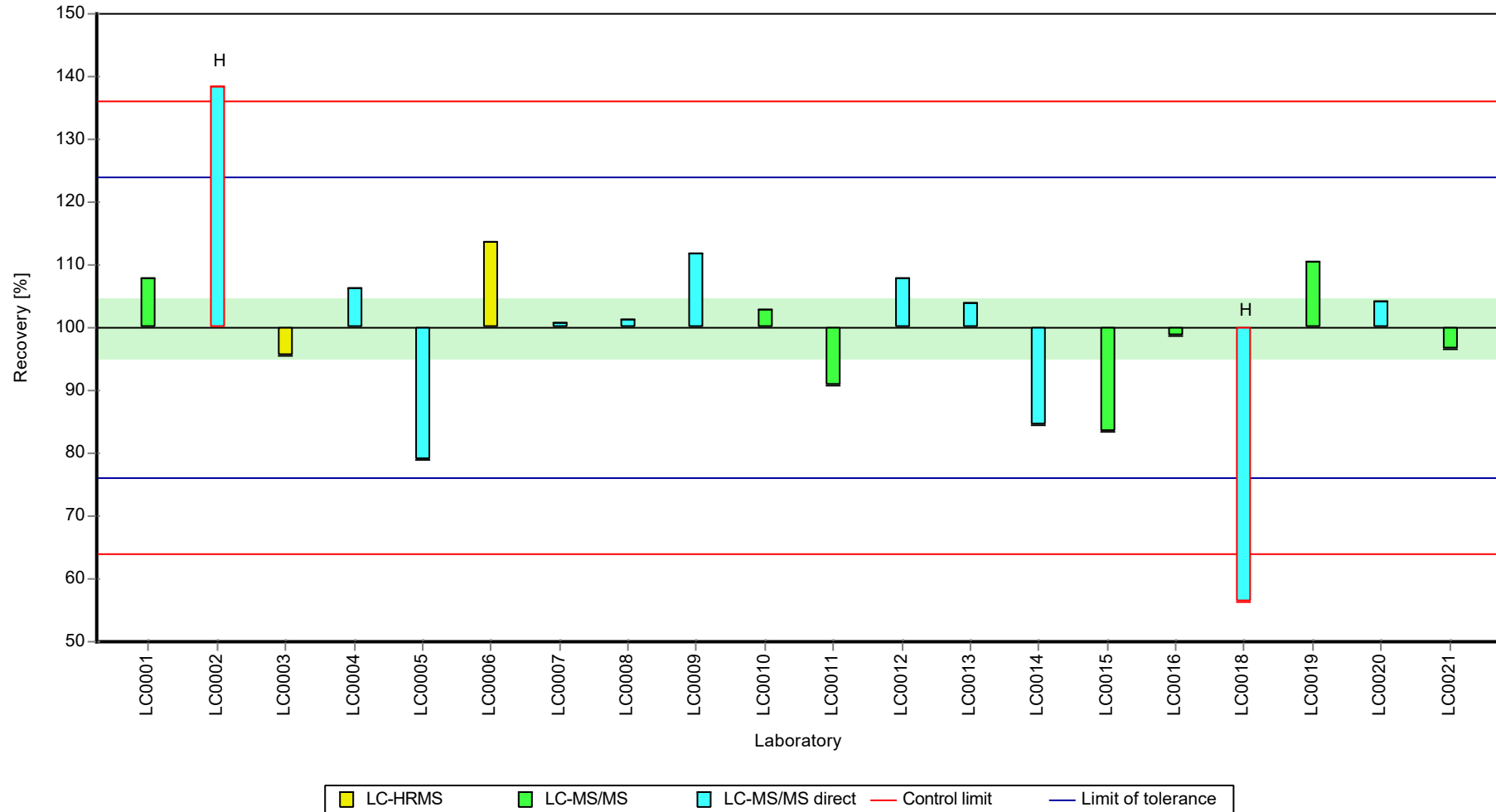
Results



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ8

Sample: AZ8A, Parameter: Sulfamethoxazole

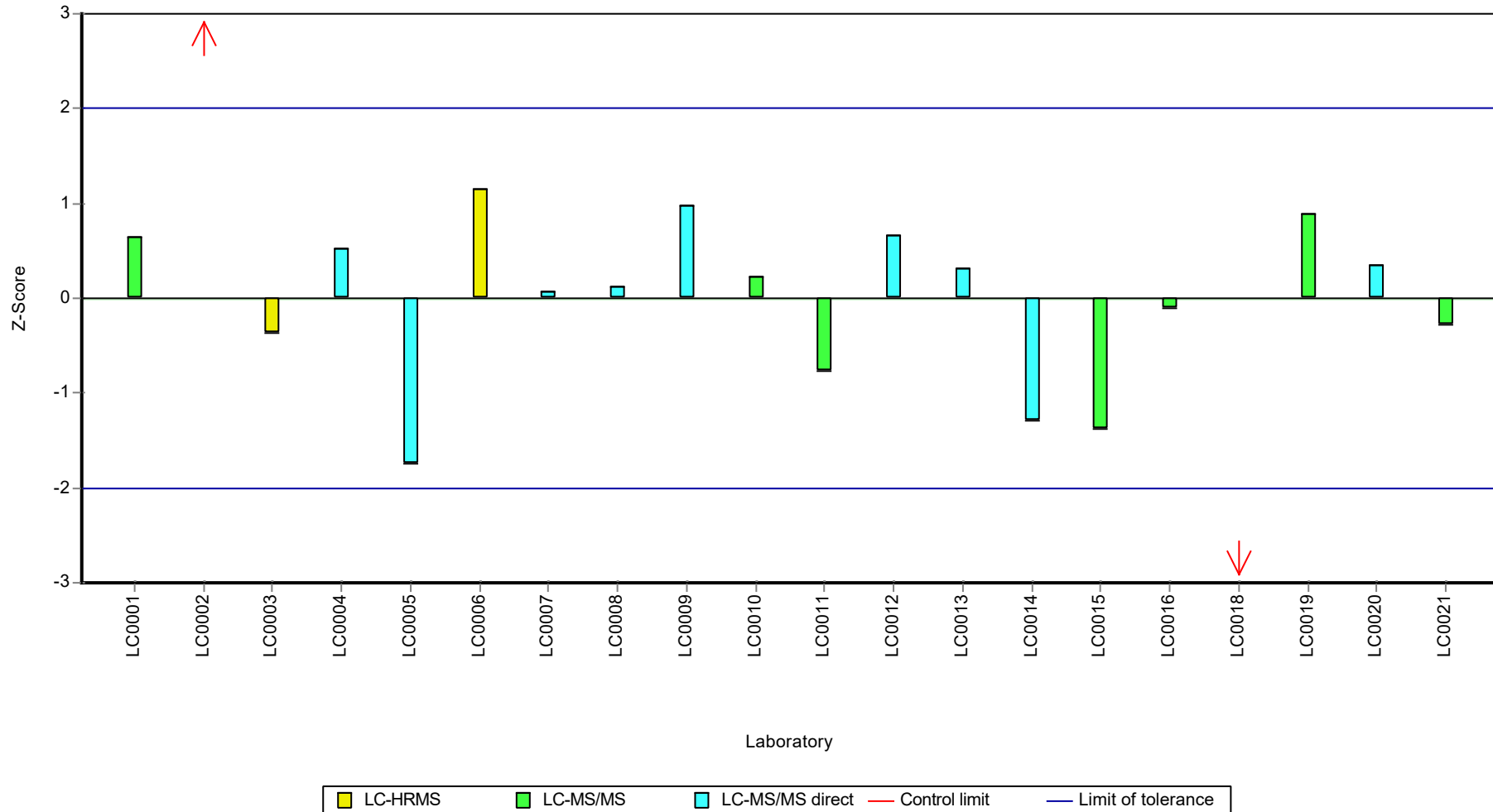
**Recovery rate**



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ8

Sample: AZ8A, Parameter: Sulfamethoxazole

**Z-score**



## Parameter oriented report

### AZ8 B

#### Sulfamethoxazole

Unit	µg/l
Assigned value ± U (k=2)	0.769 ± 0.043
Criterion	0.0922 (12 %)
Minimum - Maximum	0.622 - 0.951
Control test value ± U (k=2)	0.742 ± 0.111

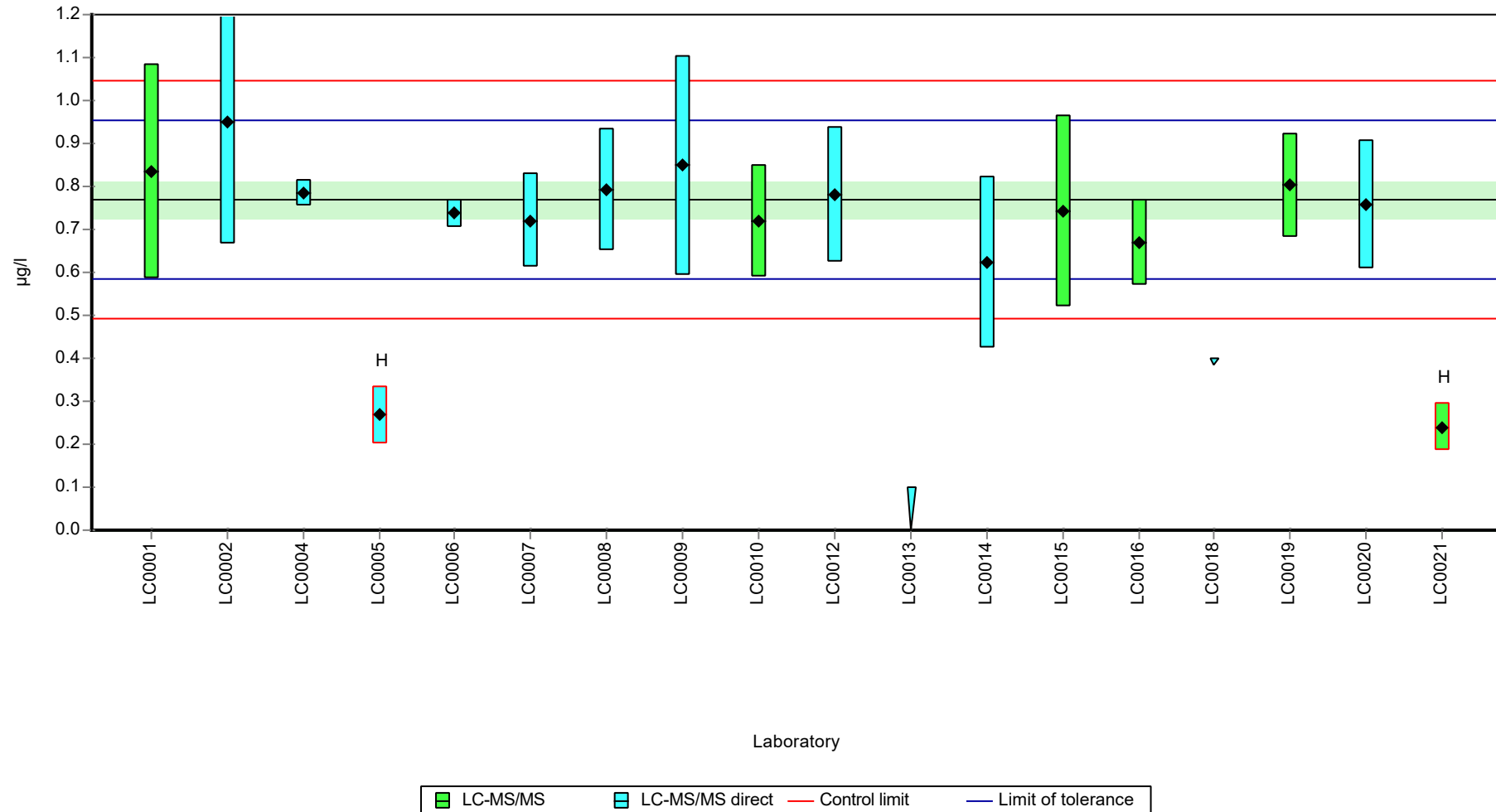
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.834	0.2502	109	0.71	
LC0002	0.951	0.287	124	1.98	
LC0003	-	-	-	-	
LC0004	0.785	0.032	102	0.18	
LC0005	0.268	0.067	34.9	-5.43	H
LC0006	0.737	0.0338	95.9	-0.34	
LC0007	0.721	0.108	93.8	-0.52	
LC0008	0.791	0.142	103	0.24	
LC0009	0.849	0.255	110	0.87	
LC0010	0.72	0.13	93.7	-0.53	
LC0011	-	-	-	-	
LC0012	0.781	0.156	102	0.14	
LC0013	< 0.1 (LOQ)	-	-	-	FN
LC0014	0.622	0.2	80.9	-1.59	
LC0015	0.742	0.223	96.5	-0.29	
LC0016	0.668	0.1	86.9	-1.09	
LC0017	-	-	-	-	
LC0018	<0.4 (LOD)	-	-	-	FN
LC0019	0.80217	0.12193	104	0.36	
LC0020	0.757	0.15	98.5	-0.13	
LC0021	0.24	0.0569	31.2	-5.73	H

#### Characteristics of parameter

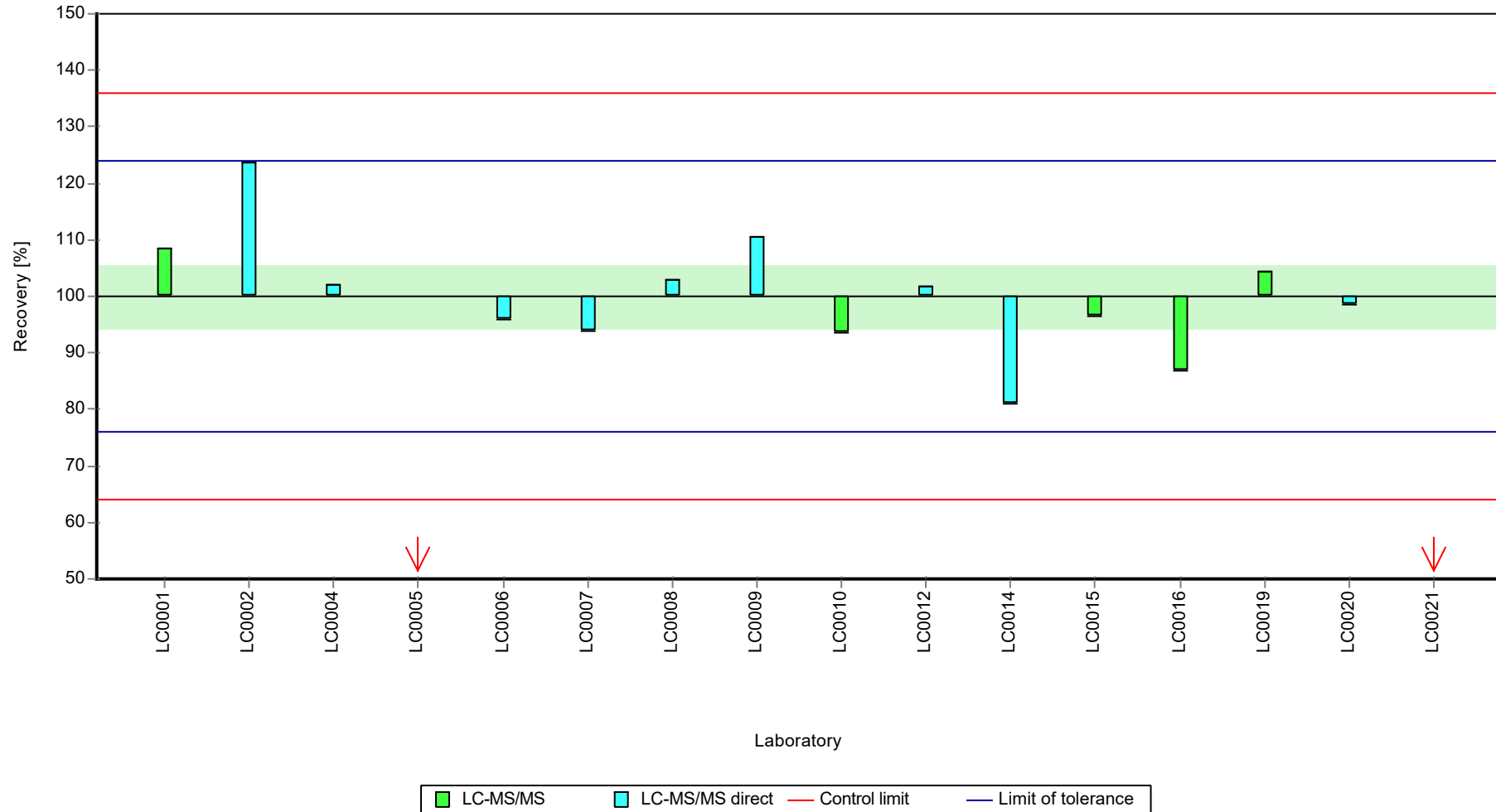
	all results	without outliers	Unit
Mean ± CI (99%)	0.704 ± 0.143	0.769 ± 0.0645	µg/l
Minimum	0.24	0.622	µg/l
Maximum	0.951	0.951	µg/l
Standard deviation	0.191	0.0805	µg/l
rel. standard deviation	27.1	10.5	%
n	16	14	-

Graphical presentation of results

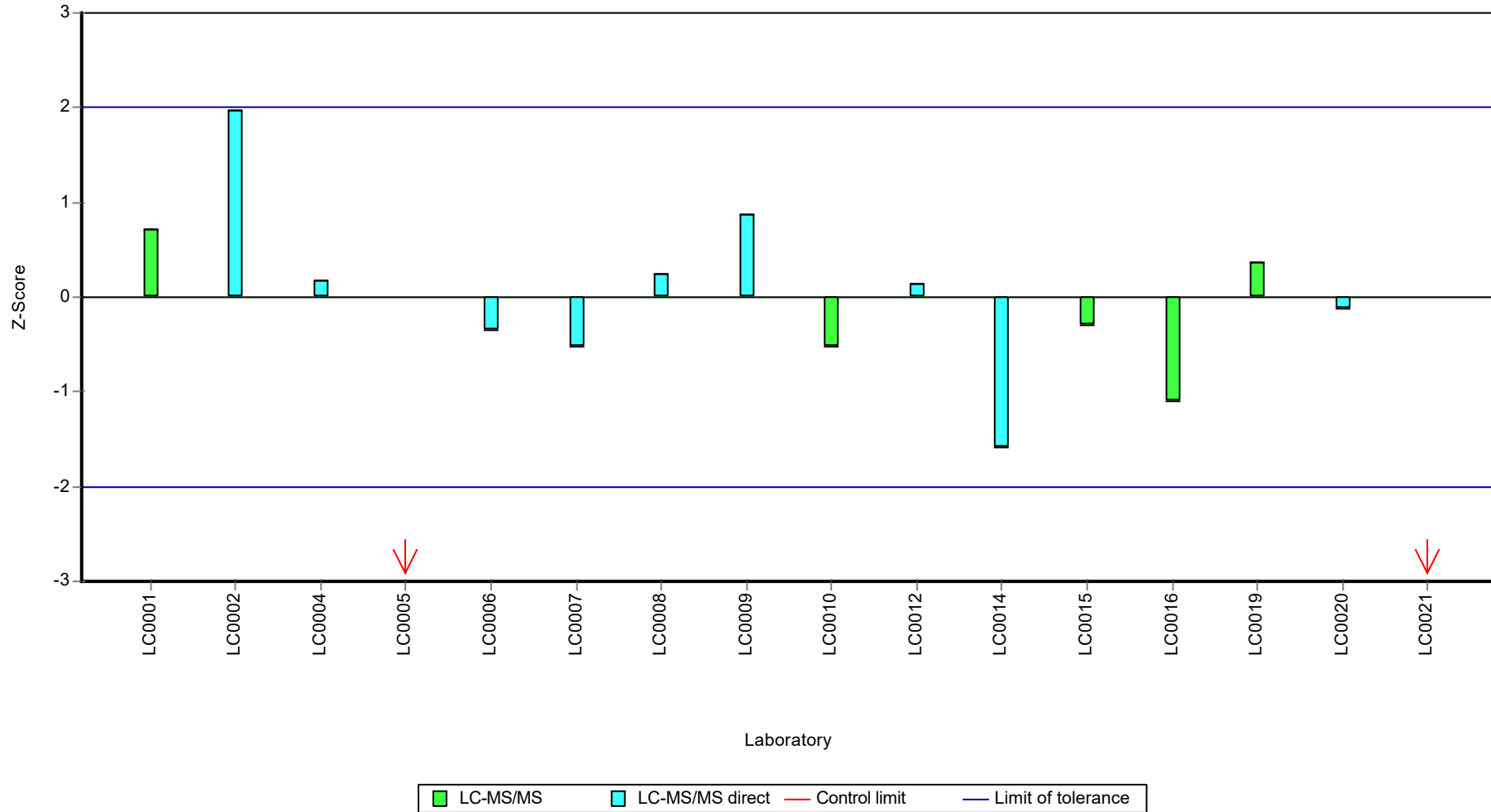
Results



**Recovery rate**



Z-score





## **E8. Labororientierte Auswertung / Laboratory oriented report**

Die Labororientierte Auswertung ist nach dem Laborcode sortiert.

The laboratory oriented report is sorted by laboratory code.

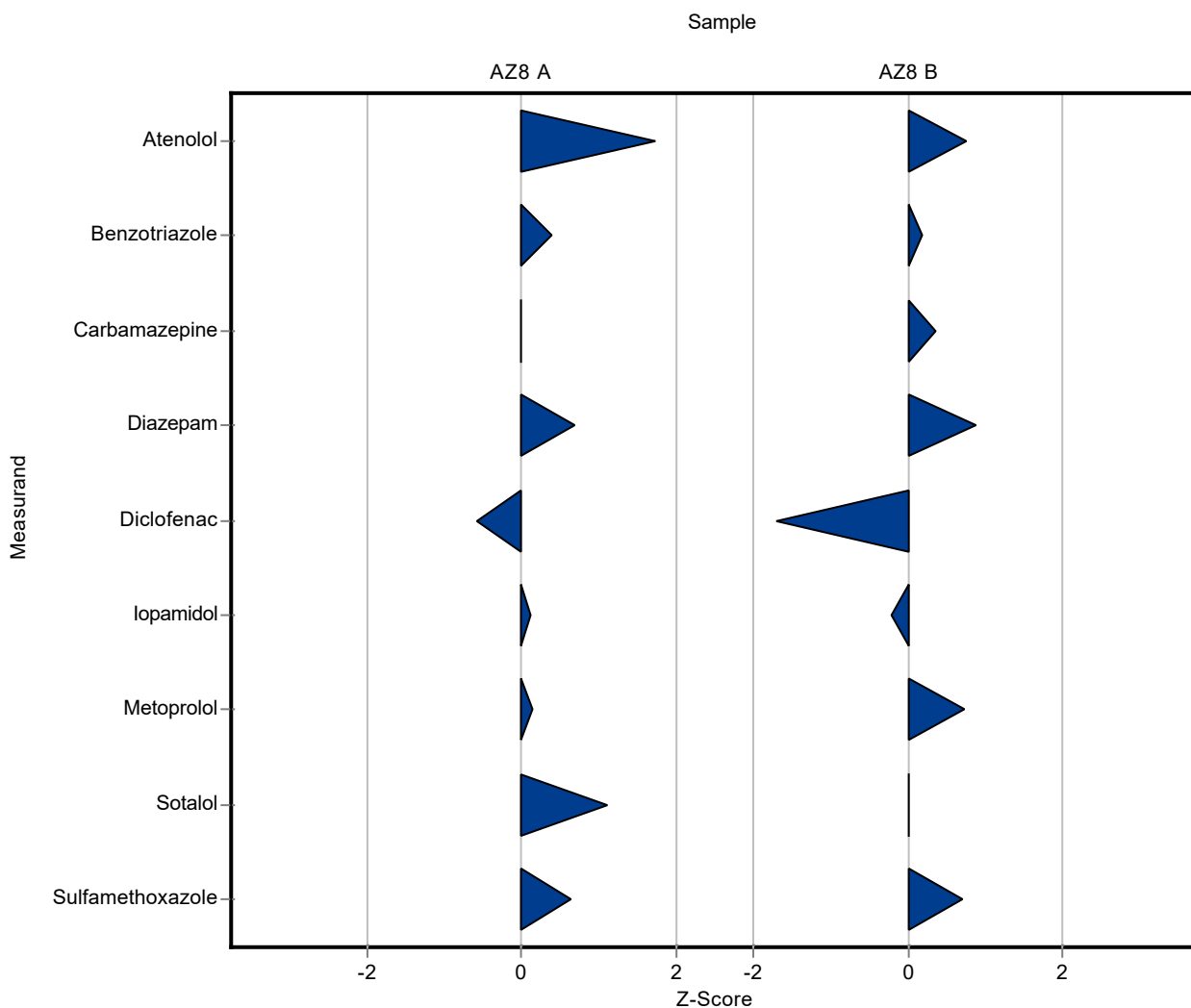
Sample: AZ8A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	µg/l	0.303 ± 0.0204	- ± -	0.0251	-	-
4-Formylaminoantipyrine	µg/l	0.459 ± 0.035	- ± -	0.0431	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	0.276 ± 0.025	- ± -	0.0332	-	-
Acesulfame	µg/l	1.12 ± 0.0581	- ± -	0.19	-	-
Amidotrizoic acid	µg/l	0.626 ± 0.0895	- ± -	0.157	-	-
Atenolol	µg/l	0.457 ± 0.0445	0.608 ± 0.1824	0.0868	133	1.74
Benzotriazole	µg/l	0.695 ± 0.0439	0.728 ± 0.2184	0.0833	105	0.40
Bisoprolol	µg/l	0.0879 ± 0.00933	- ± -	0.0132	-	-
Carbamazepine	µg/l	0.761 ± 0.0485	0.762 ± 0.2286	0.099	100	0.01
Cyclamate	µg/l	0.912 ± 0.0795	- ± -	0.137	-	-
Diazepam	µg/l	0.595 ± 0.0559	0.652 ± 0.1956	0.0833	110	0.69
Diclofenac	µg/l	0.191 ± 0.0235	0.163 ± 0.0489	0.0497	85.2	-0.57
Ibuprofen	µg/l	0.141 ± 0.0143	- ± -	0.0225	-	-
Iopamidol	µg/l	0.809 ± 0.0289	0.8145 ± 0.24435	0.0405	101	0.13
Metoprolol	µg/l	0.318 ± 0.0247	0.328 ± 0.0984	0.0794	103	0.13
Saccharin	µg/l	0.514 ± 0.0512	- ± -	0.113	-	-
Sotalol	µg/l	0.148 ± 0.0207	0.184 ± 0.0552	0.0326	124	1.11
Sucralose	µg/l	1.08 ± 0.213	- ± -	0.325	-	-
Sulfamethoxazole	µg/l	0.29 ± 0.0137	0.3125 ± 0.09375	0.0348	108	0.65

Sample: AZ8B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	µg/l	8.27 ± 0.818	- ± -	0.992	-	-
4-Formylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	1.24 ± 0.0727	- ± -	0.0891	-	-
Acesulfame	µg/l	18.8 ± 1.44	- ± -	3.2	-	-
Amidotrizoic acid	µg/l	2.07 ± 0.268	- ± -	0.414	-	-
Atenolol	µg/l	1.17 ± 0.128	1.36 ± 0.408	0.246	116	0.76

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Benzotriazole	µg/l	10.6 ± 0.312	10.8 ± 3.24	1.27	102	0.18
Bisoprolol	µg/l	0.803 ± 0.059	- ± -	0.0779	-	-
Carbamazepine	µg/l	1.22 ± 0.0887	1.275 ± 0.3825	0.158	105	0.36
Cyclamate	µg/l	0.622 ± 0.138	- ± -	0.168	-	-
Diazepam	µg/l	0.572 ± 0.0588	0.646 ± 0.1938	0.0858	113	0.86
Diclofenac	µg/l	2.8 ± 0.158	2.13 ± 0.639	0.392	76	-1.71
Ibuprofen	µg/l	3.45 ± 0.22	- ± -	0.345	-	-
Iopamidol	µg/l	31.7 ± 4.83	29.8 ± 8.94	8.86	94.1	-0.21
Metoprolol	µg/l	1.09 ± 0.0751	1.29 ± 0.387	0.274	118	0.72
Saccharin	µg/l	21.9 ± 1.84	- ± -	4.81	-	-
Sotalol	µg/l	0.767 ± 0.0685	0.767 ± 0.2301	0.169	100	0.00
Sucralose	µg/l	10.3 ± 2.31	- ± -	3.1	-	-
Sulfamethoxazole	µg/l	0.769 ± 0.043	0.834 ± 0.2502	0.0922	109	0.71



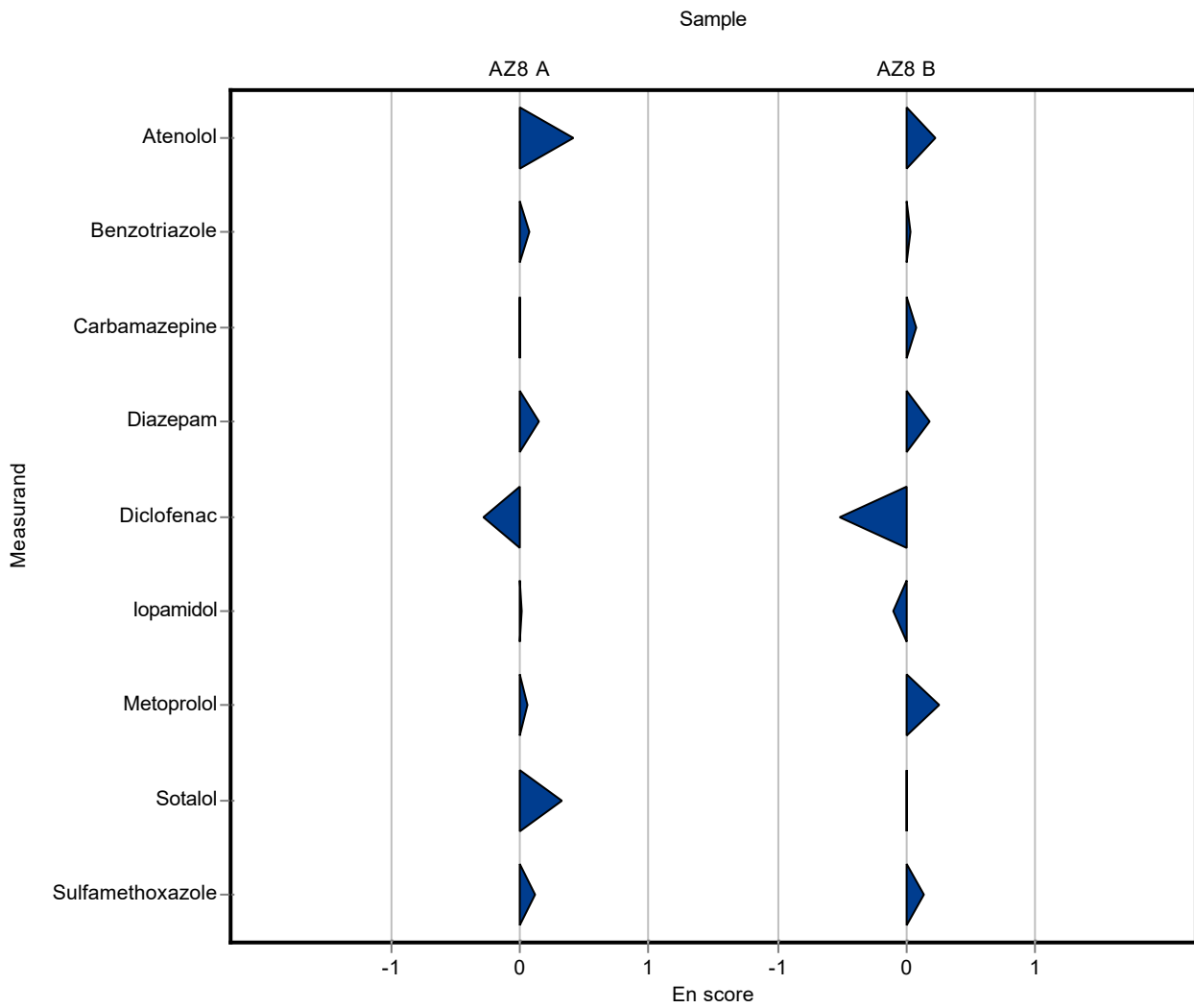
Sample: AZ8A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	µg/l	0.303 ± 0.0204	- ± -	0.0251	-	-
4-Formylaminoantipyrine	µg/l	0.459 ± 0.035	- ± -	0.0431	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	0.276 ± 0.025	- ± -	0.0332	-	-
Acesulfame	µg/l	1.12 ± 0.0581	- ± -	0.19	-	-
Amidotrizoic acid	µg/l	0.626 ± 0.0895	- ± -	0.157	-	-
Atenolol	µg/l	0.457 ± 0.0445	0.608 ± 0.1824	0.0868	133	0.41
Benzotriazole	µg/l	0.695 ± 0.0439	0.728 ± 0.2184	0.0833	105	0.08
Bisoprolol	µg/l	0.0879 ± 0.00933	- ± -	0.0132	-	-
Carbamazepine	µg/l	0.761 ± 0.0485	0.762 ± 0.2286	0.099	100	0.00
Cyclamate	µg/l	0.912 ± 0.0795	- ± -	0.137	-	-
Diazepam	µg/l	0.595 ± 0.0559	0.652 ± 0.1956	0.0833	110	0.14
Diclofenac	µg/l	0.191 ± 0.0235	0.163 ± 0.0489	0.0497	85.2	-0.28
Ibuprofen	µg/l	0.141 ± 0.0143	- ± -	0.0225	-	-
Iopamidol	µg/l	0.809 ± 0.0289	0.8145 ± 0.24435	0.0405	101	0.01
Metoprolol	µg/l	0.318 ± 0.0247	0.328 ± 0.0984	0.0794	103	0.05
Saccharin	µg/l	0.514 ± 0.0512	- ± -	0.113	-	-
Sotalol	µg/l	0.148 ± 0.0207	0.184 ± 0.0552	0.0326	124	0.32
Sucralose	µg/l	1.08 ± 0.213	- ± -	0.325	-	-
Sulfamethoxazole	µg/l	0.29 ± 0.0137	0.3125 ± 0.09375	0.0348	108	0.12

Sample: AZ8B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	µg/l	8.27 ± 0.818	- ± -	0.992	-	-
4-Formylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	1.24 ± 0.0727	- ± -	0.0891	-	-
Acesulfame	µg/l	18.8 ± 1.44	- ± -	3.2	-	-
Amidotrizoic acid	µg/l	2.07 ± 0.268	- ± -	0.414	-	-
Atenolol	µg/l	1.17 ± 0.128	1.36 ± 0.408	0.246	116	0.23

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Benzotriazole	µg/l	10.6 ± 0.312	10.8 ± 3.24	1.27	102	0.04
Bisoprolol	µg/l	0.803 ± 0.059	- ± -	0.0779	-	-
Carbamazepine	µg/l	1.22 ± 0.0887	1.275 ± 0.3825	0.158	105	0.07
Cyclamate	µg/l	0.622 ± 0.138	- ± -	0.168	-	-
Diazepam	µg/l	0.572 ± 0.0588	0.646 ± 0.1938	0.0858	113	0.19
Diclofenac	µg/l	2.8 ± 0.158	2.13 ± 0.639	0.392	76	-0.52
Ibuprofen	µg/l	3.45 ± 0.22	- ± -	0.345	-	-
Iopamidol	µg/l	31.7 ± 4.83	29.8 ± 8.94	8.86	94.1	-0.10
Metoprolol	µg/l	1.09 ± 0.0751	1.29 ± 0.387	0.274	118	0.25
Saccharin	µg/l	21.9 ± 1.84	- ± -	4.81	-	-
Sotalol	µg/l	0.767 ± 0.0685	0.767 ± 0.2301	0.169	100	0.00
Sucralose	µg/l	10.3 ± 2.31	- ± -	3.1	-	-
Sulfamethoxazole	µg/l	0.769 ± 0.043	0.834 ± 0.2502	0.0922	109	0.13



Sample: AZ8A

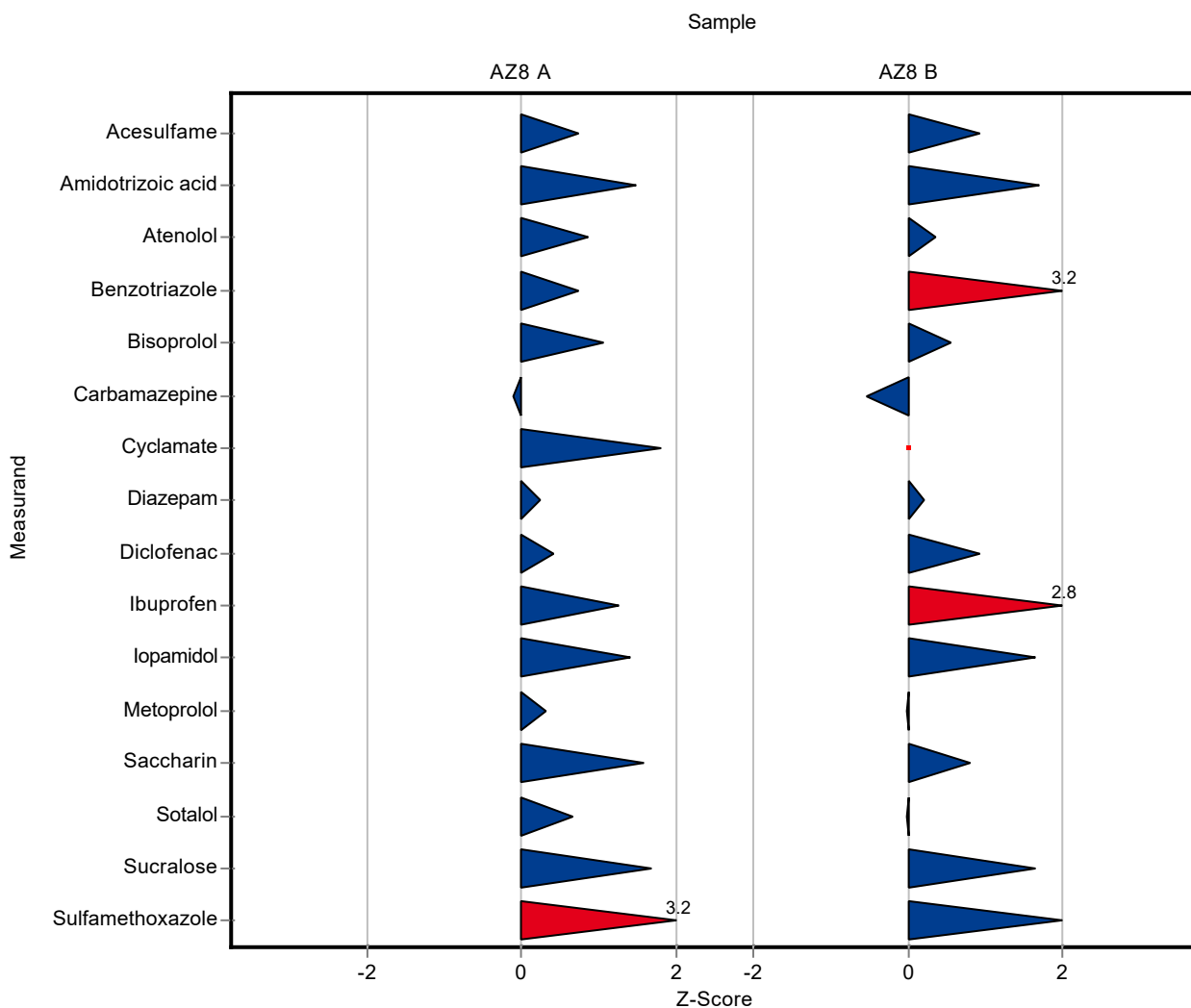
Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	µg/l	0.303 ± 0.0204	- ± -	0.0251	-	-
4-Formylaminoantipyrine	µg/l	0.459 ± 0.035	- ± -	0.0431	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	0.276 ± 0.025	- ± -	0.0332	-	-
Acesulfame	µg/l	1.12 ± 0.0581	1.26 ± 0.245	0.19	113	0.75
Amidotrizoic acid	µg/l	0.626 ± 0.0895	0.857 ± 0.335	0.157	137	1.47
Atenolol	µg/l	0.457 ± 0.0445	0.531 ± 0.0685	0.0868	116	0.85
Benzotriazole	µg/l	0.695 ± 0.0439	0.756 ± 0.247	0.0833	109	0.74
Bisoprolol	µg/l	0.0879 ± 0.00933	0.102 ± 0.016	0.0132	116	1.07
Carbamazepine	µg/l	0.761 ± 0.0485	0.752 ± 0.107	0.099	98.8	-0.09
Cyclamate	µg/l	0.912 ± 0.0795	1.16 ± 0.106	0.137	127	1.81
Diazepam	µg/l	0.595 ± 0.0559	0.616 ± 0.0604	0.0833	104	0.25
Diclofenac	µg/l	0.191 ± 0.0235	0.212 ± 0.0621	0.0497	111	0.42
Ibuprofen	µg/l	0.141 ± 0.0143	0.169 ± 0.0675	0.0225	120	1.26
Iopamidol	µg/l	0.809 ± 0.0289	0.866 ± 0.726	0.0405	107	1.40
Metoprolol	µg/l	0.318 ± 0.0247	0.343 ± 0.0398	0.0794	108	0.32
Saccharin	µg/l	0.514 ± 0.0512	0.692 ± 0.0963	0.113	135	1.58
Sotalol	µg/l	0.148 ± 0.0207	0.17 ± 0.0181	0.0326	115	0.68
Sucralose	µg/l	1.08 ± 0.213	1.63 ± 0.506	0.325	151	1.69
Sulfamethoxazole	µg/l	0.29 ± 0.0137	0.401 ± 0.121	0.0348	138	3.20

Sample: AZ8B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	µg/l	8.27 ± 0.818	- ± -	0.992	-	-
4-Formylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	1.24 ± 0.0727	- ± -	0.0891	-	-
Acesulfame	µg/l	18.8 ± 1.44	21.8 ± 4.24	3.2	116	0.93
Amidotrizoic acid	µg/l	2.07 ± 0.268	2.77 ± 1.08	0.414	134	1.70
Atenolol	µg/l	1.17 ± 0.128	1.26 ± 0.163	0.246	107	0.35



Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Benzotriazole	µg/l	10.6 ± 0.312	14.6 ± 4.77	1.27	138	3.18
Bisoprolol	µg/l	0.803 ± 0.059	0.846 ± 0.133	0.0779	105	0.55
Carbamazepine	µg/l	1.22 ± 0.0887	1.13 ± 0.162	0.158	92.8	-0.55
Cyclamate	µg/l	0.622 ± 0.138	- ± -	0.168	-	-
Diazepam	µg/l	0.572 ± 0.0588	0.59 ± 0.0579	0.0858	103	0.21
Diclofenac	µg/l	2.8 ± 0.158	3.16 ± 0.926	0.392	113	0.92
Ibuprofen	µg/l	3.45 ± 0.22	4.4 ± 1.76	0.345	128	2.76
Iopamidol	µg/l	31.7 ± 4.83	46.3 ± 38.8	8.86	146	1.65
Metoprolol	µg/l	1.09 ± 0.0751	1.09 ± 0.126	0.274	99.6	-0.02
Saccharin	µg/l	21.9 ± 1.84	25.7 ± 3.57	4.81	118	0.80
Sotalol	µg/l	0.767 ± 0.0685	0.762 ± 0.0816	0.169	99.4	-0.03
Sucralose	µg/l	10.3 ± 2.31	15.4 ± 4.78	3.1	149	1.64
Sulfamethoxazole	µg/l	0.769 ± 0.043	0.951 ± 0.287	0.0922	124	1.98



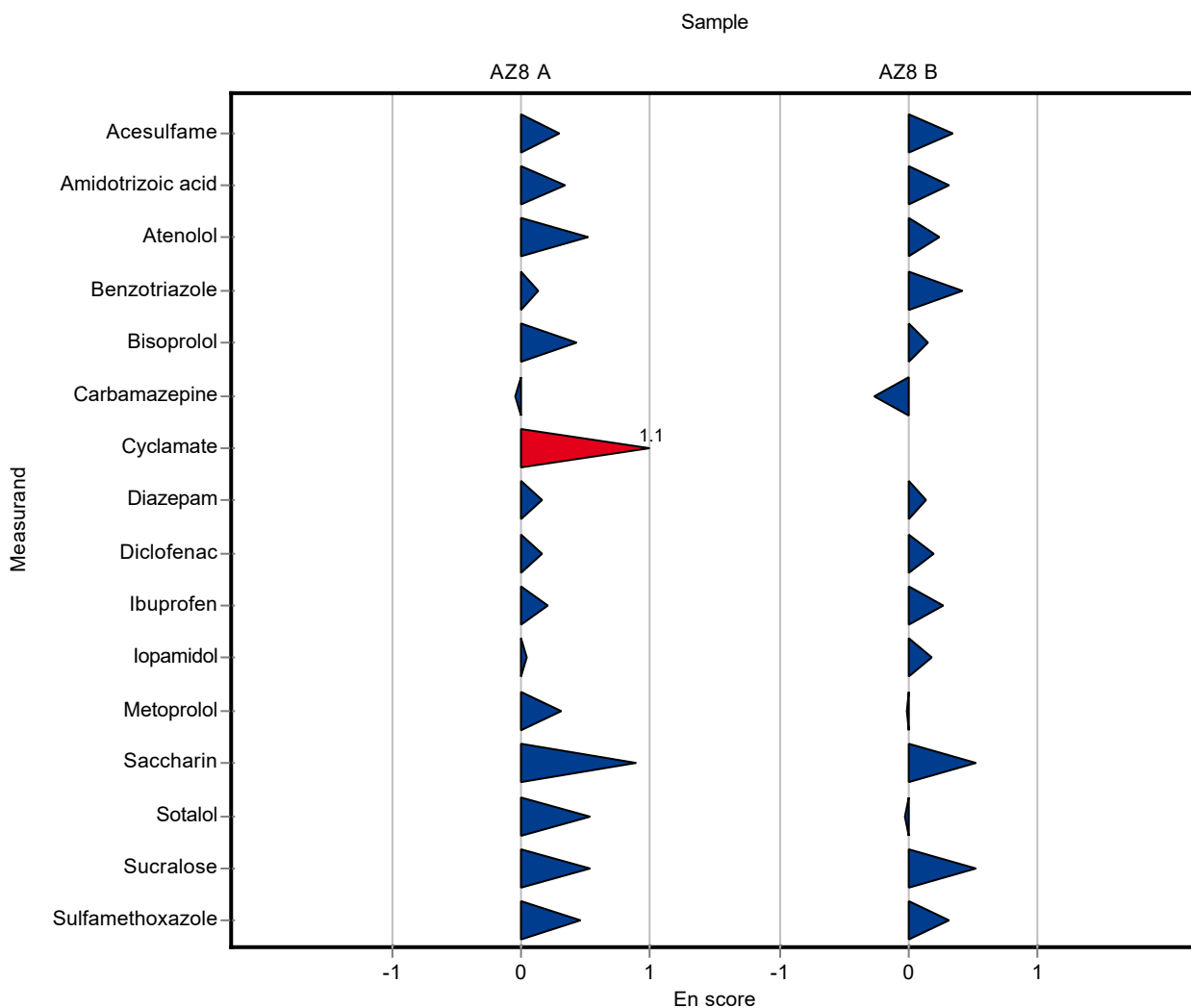
Sample: AZ8A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	µg/l	0.303 ± 0.0204	- ± -	0.0251	-	-
4-Formylaminoantipyrine	µg/l	0.459 ± 0.035	- ± -	0.0431	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	0.276 ± 0.025	- ± -	0.0332	-	-
Acesulfame	µg/l	1.12 ± 0.0581	1.26 ± 0.245	0.19	113	0.29
Amidotrizoic acid	µg/l	0.626 ± 0.0895	0.857 ± 0.335	0.157	137	0.34
Atenolol	µg/l	0.457 ± 0.0445	0.531 ± 0.0685	0.0868	116	0.52
Benzotriazole	µg/l	0.695 ± 0.0439	0.756 ± 0.247	0.0833	109	0.12
Bisoprolol	µg/l	0.0879 ± 0.00933	0.102 ± 0.016	0.0132	116	0.42
Carbamazepine	µg/l	0.761 ± 0.0485	0.752 ± 0.107	0.099	98.8	-0.04
Cyclamate	µg/l	0.912 ± 0.0795	1.16 ± 0.106	0.137	127	1.10
Diazepam	µg/l	0.595 ± 0.0559	0.616 ± 0.0604	0.0833	104	0.16
Diclofenac	µg/l	0.191 ± 0.0235	0.212 ± 0.0621	0.0497	111	0.16
Ibuprofen	µg/l	0.141 ± 0.0143	0.169 ± 0.0675	0.0225	120	0.21
Iopamidol	µg/l	0.809 ± 0.0289	0.866 ± 0.726	0.0405	107	0.04
Metoprolol	µg/l	0.318 ± 0.0247	0.343 ± 0.0398	0.0794	108	0.31
Saccharin	µg/l	0.514 ± 0.0512	0.692 ± 0.0963	0.113	135	0.89
Sotalol	µg/l	0.148 ± 0.0207	0.17 ± 0.0181	0.0326	115	0.53
Sucralose	µg/l	1.08 ± 0.213	1.63 ± 0.506	0.325	151	0.53
Sulfamethoxazole	µg/l	0.29 ± 0.0137	0.401 ± 0.121	0.0348	138	0.46

Sample: AZ8B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	µg/l	8.27 ± 0.818	- ± -	0.992	-	-
4-Formylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	1.24 ± 0.0727	- ± -	0.0891	-	-
Acesulfame	µg/l	18.8 ± 1.44	21.8 ± 4.24	3.2	116	0.35
Amidotrizoic acid	µg/l	2.07 ± 0.268	2.77 ± 1.08	0.414	134	0.32
Atenolol	µg/l	1.17 ± 0.128	1.26 ± 0.163	0.246	107	0.25

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Benzotriazole	µg/l	10.6 ± 0.312	14.6 ± 4.77	1.27	138	0.42
Bisoprolol	µg/l	0.803 ± 0.059	0.846 ± 0.133	0.0779	105	0.16
Carbamazepine	µg/l	1.22 ± 0.0887	1.13 ± 0.162	0.158	92.8	-0.26
Cyclamate	µg/l	0.622 ± 0.138	- ± -	0.168	-	-
Diazepam	µg/l	0.572 ± 0.0588	0.59 ± 0.0579	0.0858	103	0.14
Diclofenac	µg/l	2.8 ± 0.158	3.16 ± 0.926	0.392	113	0.19
Ibuprofen	µg/l	3.45 ± 0.22	4.4 ± 1.76	0.345	128	0.27
Iopamidol	µg/l	31.7 ± 4.83	46.3 ± 38.8	8.86	146	0.19
Metoprolol	µg/l	1.09 ± 0.0751	1.09 ± 0.126	0.274	99.6	-0.02
Saccharin	µg/l	21.9 ± 1.84	25.7 ± 3.57	4.81	118	0.52
Sotalol	µg/l	0.767 ± 0.0685	0.762 ± 0.0816	0.169	99.4	-0.03
Sucralose	µg/l	10.3 ± 2.31	15.4 ± 4.78	3.1	149	0.52
Sulfamethoxazole	µg/l	0.769 ± 0.043	0.951 ± 0.287	0.0922	124	0.32



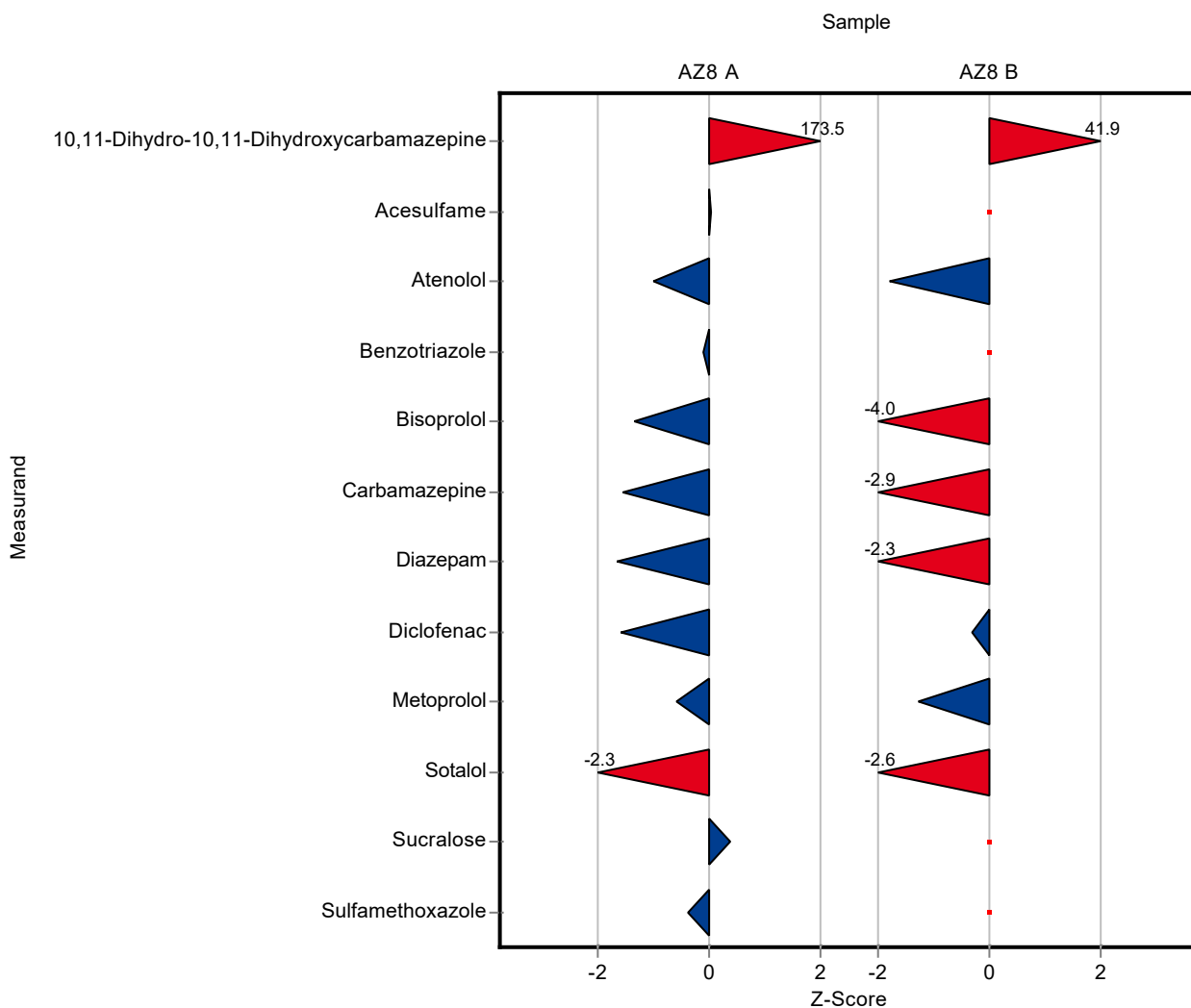
Sample: AZ8A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	µg/l	0.303 ± 0.0204	- ± -	0.0251	-	-
4-Formylaminoantipyrine	µg/l	0.459 ± 0.035	- ± -	0.0431	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	0.276 ± 0.025	6.03 ± 0.905	0.0332	2180	173.00
Acesulfame	µg/l	1.12 ± 0.0581	1.12 ± 0.168	0.19	100	0.01
Amidotrizoic acid	µg/l	0.626 ± 0.0895	- ± -	0.157	-	-
Atenolol	µg/l	0.457 ± 0.0445	0.371 ± 0.056	0.0868	81.2	-0.99
Benzotriazole	µg/l	0.695 ± 0.0439	0.684 ± 0.103	0.0833	98.5	-0.13
Bisoprolol	µg/l	0.0879 ± 0.00933	0.07 ± 0.011	0.0132	79.7	-1.36
Carbamazepine	µg/l	0.761 ± 0.0485	0.606 ± 0.091	0.099	79.6	-1.57
Cyclamate	µg/l	0.912 ± 0.0795	- ± -	0.137	-	-
Diazepam	µg/l	0.595 ± 0.0559	0.458 ± 0.069	0.0833	77	-1.64
Diclofenac	µg/l	0.191 ± 0.0235	0.112 ± 0.017	0.0497	58.6	-1.59
Ibuprofen	µg/l	0.141 ± 0.0143	- ± -	0.0225	-	-
Iopamidol	µg/l	0.809 ± 0.0289	- ± -	0.0405	-	-
Metoprolol	µg/l	0.318 ± 0.0247	0.27 ± 0.041	0.0794	85	-0.60
Saccharin	µg/l	0.514 ± 0.0512	- ± -	0.113	-	-
Sotalol	µg/l	0.148 ± 0.0207	0.072 ± 0.011	0.0326	48.7	-2.33
Sucralose	µg/l	1.08 ± 0.213	1.2 ± 0.18	0.325	111	0.36
Sulfamethoxazole	µg/l	0.29 ± 0.0137	0.277 ± 0.042	0.0348	95.6	-0.37

Sample: AZ8B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	µg/l	8.27 ± 0.818	- ± -	0.992	-	-
4-Formylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	1.24 ± 0.0727	4.97 ± 0.746	0.0891	402	41.90
Acesulfame	µg/l	18.8 ± 1.44	>6.0 ± -	3.2	-	-
Amidotrizoic acid	µg/l	2.07 ± 0.268	- ± -	0.414	-	-
Atenolol	µg/l	1.17 ± 0.128	0.732 ± 0.11	0.246	62.4	-1.79

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Benzotriazole	µg/l	10.6 ± 0.312	>6.0 ± -	1.27	-	-
Bisoprolol	µg/l	0.803 ± 0.059	0.488 ± 0.073	0.0779	60.8	-4.05
Carbamazepine	µg/l	1.22 ± 0.0887	0.752 ± 0.113	0.158	61.8	-2.94
Cyclamate	µg/l	0.622 ± 0.138	- ± -	0.168	-	-
Diazepam	µg/l	0.572 ± 0.0588	0.378 ± 0.057	0.0858	66.1	-2.26
Diclofenac	µg/l	2.8 ± 0.158	2.68 ± 0.402	0.392	95.7	-0.31
Ibuprofen	µg/l	3.45 ± 0.22	- ± -	0.345	-	-
Iopamidol	µg/l	31.7 ± 4.83	- ± -	8.86	-	-
Metoprolol	µg/l	1.09 ± 0.0751	0.749 ± 0.112	0.274	68.5	-1.26
Saccharin	µg/l	21.9 ± 1.84	- ± -	4.81	-	-
Sotalol	µg/l	0.767 ± 0.0685	0.331 ± 0.05	0.169	43.2	-2.58
Sucralose	µg/l	10.3 ± 2.31	>6.0 ± -	3.1	-	-
Sulfamethoxazole	µg/l	0.769 ± 0.043	- ± -	0.0922	-	-





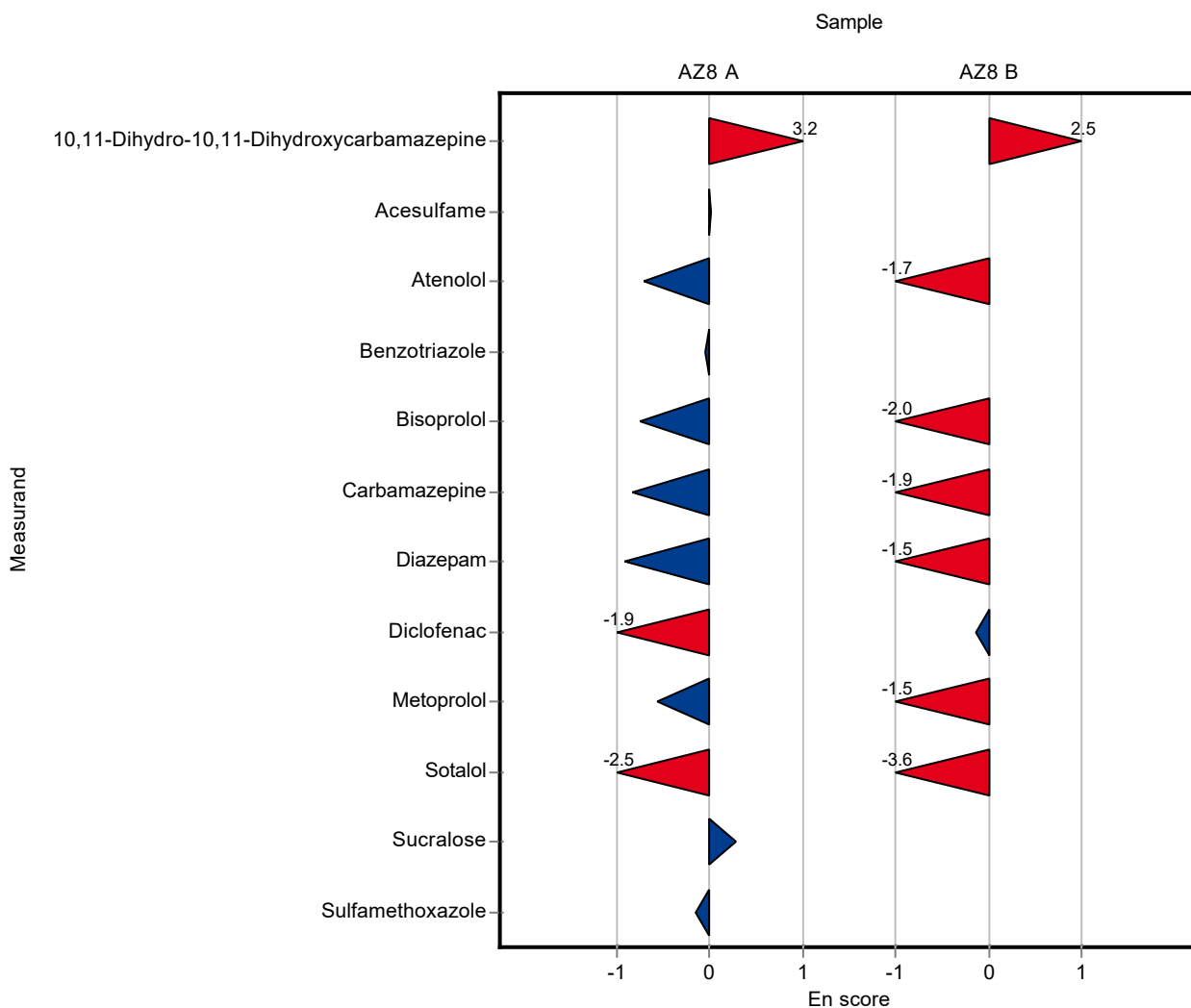
Sample: AZ8A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	µg/l	0.303 ± 0.0204	- ± -	0.0251	-	-
4-Formylaminoantipyrine	µg/l	0.459 ± 0.035	- ± -	0.0431	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	0.276 ± 0.025	6.03 ± 0.905	0.0332	2180	3.18
Acesulfame	µg/l	1.12 ± 0.0581	1.12 ± 0.168	0.19	100	0.01
Amidotrizoic acid	µg/l	0.626 ± 0.0895	- ± -	0.157	-	-
Atenolol	µg/l	0.457 ± 0.0445	0.371 ± 0.056	0.0868	81.2	-0.71
Benzotriazole	µg/l	0.695 ± 0.0439	0.684 ± 0.103	0.0833	98.5	-0.05
Bisoprolol	µg/l	0.0879 ± 0.00933	0.07 ± 0.011	0.0132	79.7	-0.75
Carbamazepine	µg/l	0.761 ± 0.0485	0.606 ± 0.091	0.099	79.6	-0.82
Cyclamate	µg/l	0.912 ± 0.0795	- ± -	0.137	-	-
Diazepam	µg/l	0.595 ± 0.0559	0.458 ± 0.069	0.0833	77	-0.92
Diclofenac	µg/l	0.191 ± 0.0235	0.112 ± 0.017	0.0497	58.6	-1.92
Ibuprofen	µg/l	0.141 ± 0.0143	- ± -	0.0225	-	-
Iopamidol	µg/l	0.809 ± 0.0289	- ± -	0.0405	-	-
Metoprolol	µg/l	0.318 ± 0.0247	0.27 ± 0.041	0.0794	85	-0.56
Saccharin	µg/l	0.514 ± 0.0512	- ± -	0.113	-	-
Sotalol	µg/l	0.148 ± 0.0207	0.072 ± 0.011	0.0326	48.7	-2.51
Sucralose	µg/l	1.08 ± 0.213	1.2 ± 0.18	0.325	111	0.28
Sulfamethoxazole	µg/l	0.29 ± 0.0137	0.277 ± 0.042	0.0348	95.6	-0.15

Sample: AZ8B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	µg/l	8.27 ± 0.818	- ± -	0.992	-	-
4-Formylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	1.24 ± 0.0727	4.97 ± 0.746	0.0891	402	2.50
Acesulfame	µg/l	18.8 ± 1.44	>6.0 ± -	3.2	-	-
Amidotrizoic acid	µg/l	2.07 ± 0.268	- ± -	0.414	-	-
Atenolol	µg/l	1.17 ± 0.128	0.732 ± 0.11	0.246	62.4	-1.73

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Benzotriazole	µg/l	10.6 ± 0.312	>6.0 ± -	1.27	-	-
Bisoprolol	µg/l	0.803 ± 0.059	0.488 ± 0.073	0.0779	60.8	-2.00
Carbamazepine	µg/l	1.22 ± 0.0887	0.752 ± 0.113	0.158	61.8	-1.92
Cyclamate	µg/l	0.622 ± 0.138	- ± -	0.168	-	-
Diazepam	µg/l	0.572 ± 0.0588	0.378 ± 0.057	0.0858	66.1	-1.51
Diclofenac	µg/l	2.8 ± 0.158	2.68 ± 0.402	0.392	95.7	-0.15
Ibuprofen	µg/l	3.45 ± 0.22	- ± -	0.345	-	-
Iopamidol	µg/l	31.7 ± 4.83	- ± -	8.86	-	-
Metoprolol	µg/l	1.09 ± 0.0751	0.749 ± 0.112	0.274	68.5	-1.46
Saccharin	µg/l	21.9 ± 1.84	- ± -	4.81	-	-
Sotalol	µg/l	0.767 ± 0.0685	0.331 ± 0.05	0.169	43.2	-3.59
Sucralose	µg/l	10.3 ± 2.31	>6.0 ± -	3.1	-	-
Sulfamethoxazole	µg/l	0.769 ± 0.043	- ± -	0.0922	-	-



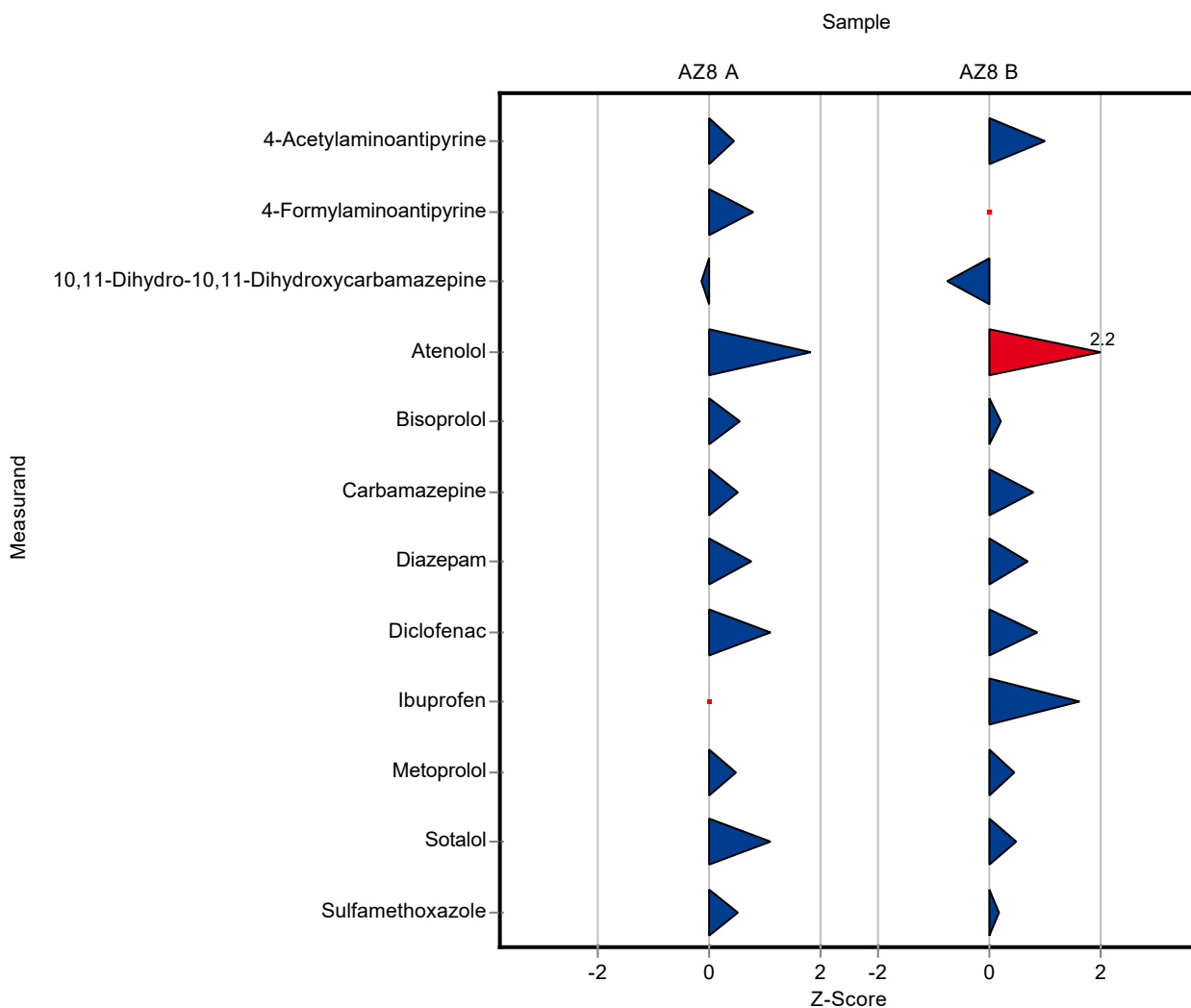
Sample: AZ8A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	µg/l	0.303 ± 0.0204	0.314 ± 0.03	0.0251	104	0.44
4-Formylaminoantipyrine	µg/l	0.459 ± 0.035	0.492 ± 0.044	0.0431	107	0.77
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	0.276 ± 0.025	0.272 ± 0.015	0.0332	98.4	-0.13
Acesulfame	µg/l	1.12 ± 0.0581	- ± -	0.19	-	-
Amidotrizoic acid	µg/l	0.626 ± 0.0895	- ± -	0.157	-	-
Atenolol	µg/l	0.457 ± 0.0445	0.614 ± 0.048	0.0868	134	1.81
Benzotriazole	µg/l	0.695 ± 0.0439	- ± -	0.0833	-	-
Bisoprolol	µg/l	0.0879 ± 0.00933	0.095 ± 0.0074	0.0132	108	0.54
Carbamazepine	µg/l	0.761 ± 0.0485	0.812 ± 0.028	0.099	107	0.51
Cyclamate	µg/l	0.912 ± 0.0795	- ± -	0.137	-	-
Diazepam	µg/l	0.595 ± 0.0559	0.657 ± 0.037	0.0833	110	0.75
Diclofenac	µg/l	0.191 ± 0.0235	0.246 ± 0.0091	0.0497	129	1.10
Ibuprofen	µg/l	0.141 ± 0.0143	- ± -	0.0225	-	-
Iopamidol	µg/l	0.809 ± 0.0289	- ± -	0.0405	-	-
Metoprolol	µg/l	0.318 ± 0.0247	0.355 ± 0.012	0.0794	112	0.47
Saccharin	µg/l	0.514 ± 0.0512	- ± -	0.113	-	-
Sotalol	µg/l	0.148 ± 0.0207	0.184 ± 0.012	0.0326	124	1.11
Sucralose	µg/l	1.08 ± 0.213	- ± -	0.325	-	-
Sulfamethoxazole	µg/l	0.29 ± 0.0137	0.308 ± 0.012	0.0348	106	0.52

Sample: AZ8B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	µg/l	8.27 ± 0.818	9.254 ± 0.88	0.992	112	0.99
4-Formylaminoantipyrine	µg/l	- ± -	5.373 ± 0.485	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	1.24 ± 0.0727	1.17 ± 0.063	0.0891	94.6	-0.76
Acesulfame	µg/l	18.8 ± 1.44	- ± -	3.2	-	-
Amidotrizoic acid	µg/l	2.07 ± 0.268	- ± -	0.414	-	-
Atenolol	µg/l	1.17 ± 0.128	1.708 ± 0.134	0.246	146	2.17

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Benzotriazole	µg/l	10.6 ± 0.312	- ± -	1.27	-	-
Bisoprolol	µg/l	0.803 ± 0.059	0.821 ± 0.064	0.0779	102	0.23
Carbamazepine	µg/l	1.22 ± 0.0887	1.346 ± 0.046	0.158	111	0.81
Cyclamate	µg/l	0.622 ± 0.138	- ± -	0.168	-	-
Diazepam	µg/l	0.572 ± 0.0588	0.632 ± 0.036	0.0858	110	0.70
Diclofenac	µg/l	2.8 ± 0.158	3.145 ± 0.116	0.392	112	0.88
Ibuprofen	µg/l	3.45 ± 0.22	4.01 ± 0.247	0.345	116	1.63
Iopamidol	µg/l	31.7 ± 4.83	- ± -	8.86	-	-
Metoprolol	µg/l	1.09 ± 0.0751	1.22 ± 0.042	0.274	112	0.46
Saccharin	µg/l	21.9 ± 1.84	- ± -	4.81	-	-
Sotalol	µg/l	0.767 ± 0.0685	0.847 ± 0.054	0.169	110	0.48
Sucralose	µg/l	10.3 ± 2.31	- ± -	3.1	-	-
Sulfamethoxazole	µg/l	0.769 ± 0.043	0.785 ± 0.032	0.0922	102	0.18



Sample: AZ8A

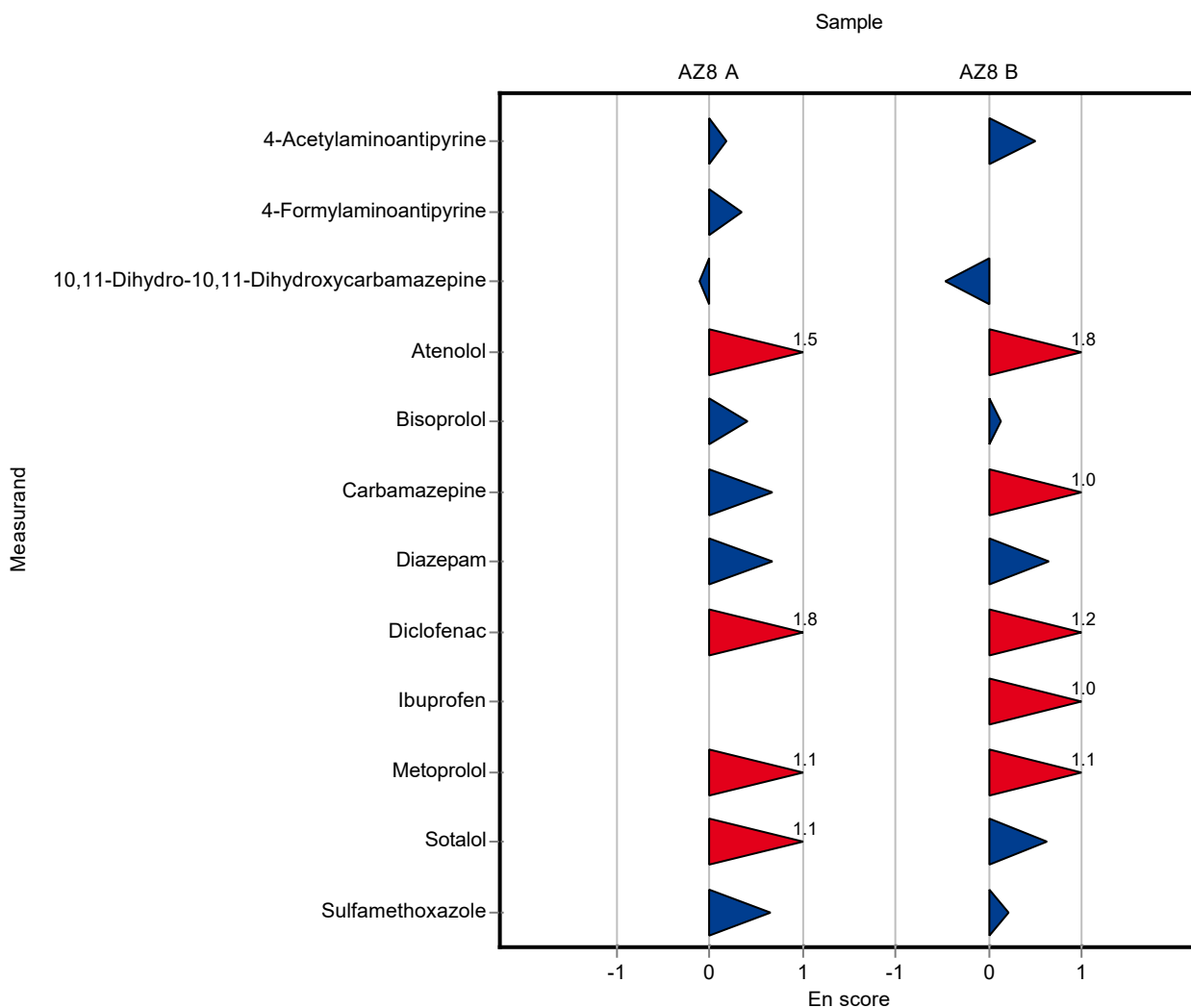
Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	µg/l	0.303 ± 0.0204	0.314 ± 0.03	0.0251	104	0.17
4-Formylaminoantipyrine	µg/l	0.459 ± 0.035	0.492 ± 0.044	0.0431	107	0.35
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	0.276 ± 0.025	0.272 ± 0.015	0.0332	98.4	-0.11
Acesulfame	µg/l	1.12 ± 0.0581	- ± -	0.19	-	-
Amidotrizoic acid	µg/l	0.626 ± 0.0895	- ± -	0.157	-	-
Atenolol	µg/l	0.457 ± 0.0445	0.614 ± 0.048	0.0868	134	1.49
Benzotriazole	µg/l	0.695 ± 0.0439	- ± -	0.0833	-	-
Bisoprolol	µg/l	0.0879 ± 0.00933	0.095 ± 0.0074	0.0132	108	0.41
Carbamazepine	µg/l	0.761 ± 0.0485	0.812 ± 0.028	0.099	107	0.68
Cyclamate	µg/l	0.912 ± 0.0795	- ± -	0.137	-	-
Diazepam	µg/l	0.595 ± 0.0559	0.657 ± 0.037	0.0833	110	0.67
Diclofenac	µg/l	0.191 ± 0.0235	0.246 ± 0.0091	0.0497	129	1.84
Ibuprofen	µg/l	0.141 ± 0.0143	- ± -	0.0225	-	-
Iopamidol	µg/l	0.809 ± 0.0289	- ± -	0.0405	-	-
Metoprolol	µg/l	0.318 ± 0.0247	0.355 ± 0.012	0.0794	112	1.09
Saccharin	µg/l	0.514 ± 0.0512	- ± -	0.113	-	-
Sotalol	µg/l	0.148 ± 0.0207	0.184 ± 0.012	0.0326	124	1.14
Sucralose	µg/l	1.08 ± 0.213	- ± -	0.325	-	-
Sulfamethoxazole	µg/l	0.29 ± 0.0137	0.308 ± 0.012	0.0348	106	0.66

Sample: AZ8B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	µg/l	8.27 ± 0.818	9.254 ± 0.88	0.992	112	0.51
4-Formylaminoantipyrine	µg/l	- ± -	5.373 ± 0.485	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	1.24 ± 0.0727	1.17 ± 0.063	0.0891	94.6	-0.46
Acesulfame	µg/l	18.8 ± 1.44	- ± -	3.2	-	-
Amidotrizoic acid	µg/l	2.07 ± 0.268	- ± -	0.414	-	-
Atenolol	µg/l	1.17 ± 0.128	1.708 ± 0.134	0.246	146	1.80

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Benzotriazole	µg/l	10.6 ± 0.312	- ± -	1.27	-	-
Bisoprolol	µg/l	0.803 ± 0.059	0.821 ± 0.064	0.0779	102	0.13
Carbamazepine	µg/l	1.22 ± 0.0887	1.346 ± 0.046	0.158	111	1.01
Cyclamate	µg/l	0.622 ± 0.138	- ± -	0.168	-	-
Diazepam	µg/l	0.572 ± 0.0588	0.632 ± 0.036	0.0858	110	0.65
Diclofenac	µg/l	2.8 ± 0.158	3.145 ± 0.116	0.392	112	1.22
Ibuprofen	µg/l	3.45 ± 0.22	4.01 ± 0.247	0.345	116	1.04
Iopamidol	µg/l	31.7 ± 4.83	- ± -	8.86	-	-
Metoprolol	µg/l	1.09 ± 0.0751	1.22 ± 0.042	0.274	112	1.12
Saccharin	µg/l	21.9 ± 1.84	- ± -	4.81	-	-
Sotalol	µg/l	0.767 ± 0.0685	0.847 ± 0.054	0.169	110	0.63
Sucralose	µg/l	10.3 ± 2.31	- ± -	3.1	-	-
Sulfamethoxazole	µg/l	0.769 ± 0.043	0.785 ± 0.032	0.0922	102	0.21





Sample: AZ8A

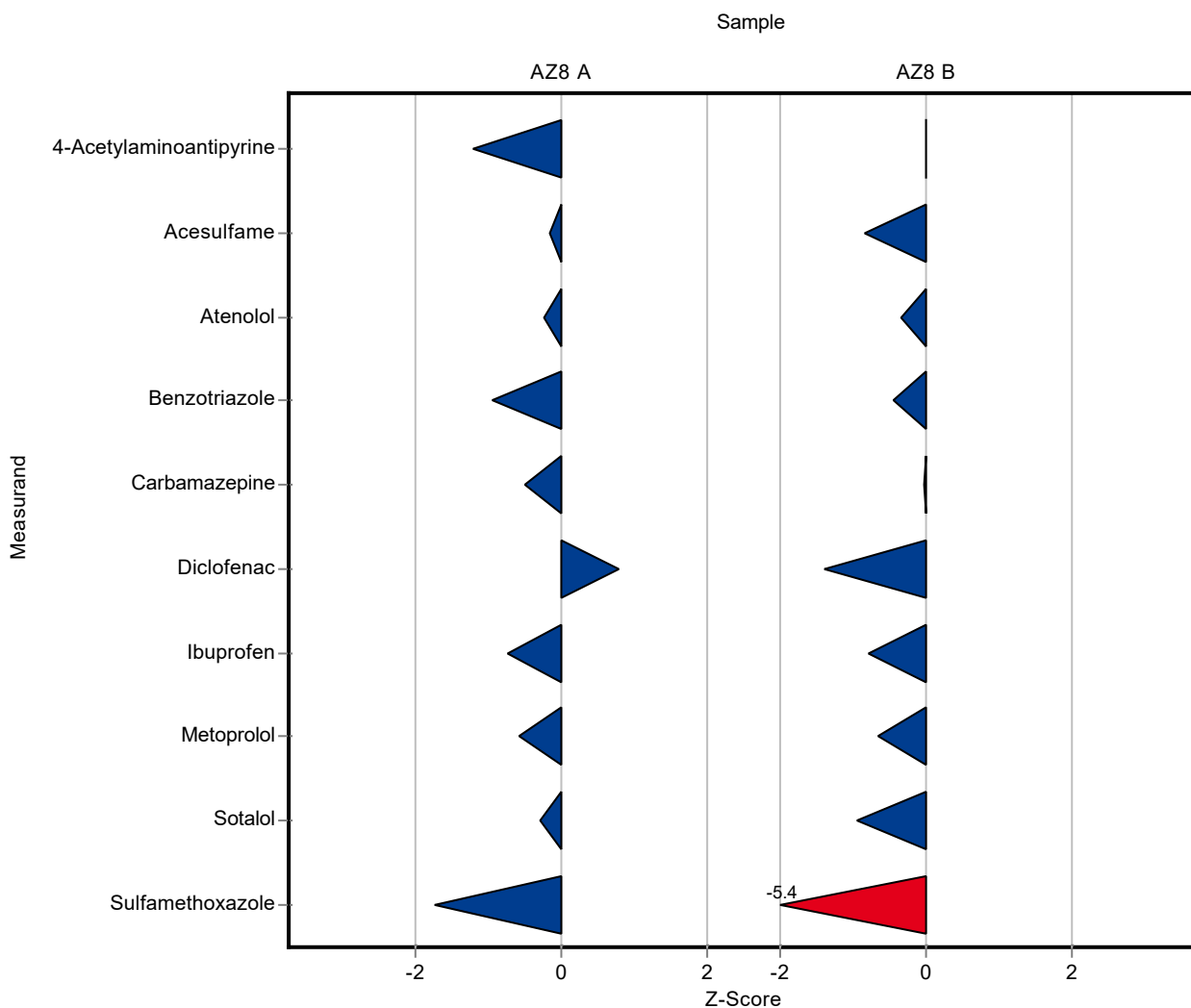
Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	µg/l	0.303 ± 0.0204	0.272 ± 0.068	0.0251	89.8	-1.23
4-Formylaminoantipyrine	µg/l	0.459 ± 0.035	- ± -	0.0431	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	0.276 ± 0.025	- ± -	0.0332	-	-
Acesulfame	µg/l	1.12 ± 0.0581	#1.088 ± 0.272	0.19	97.4	-0.15
Amidotrizoic acid	µg/l	0.626 ± 0.0895	- ± -	0.157	-	-
Atenolol	µg/l	0.457 ± 0.0445	0.435 ± 0.11	0.0868	95.2	-0.25
Benzotriazole	µg/l	0.695 ± 0.0439	0.614 ± 0.153	0.0833	88.4	-0.97
Bisoprolol	µg/l	0.0879 ± 0.00933	- ± -	0.0132	-	-
Carbamazepine	µg/l	0.761 ± 0.0485	0.712 ± 0.178	0.099	93.5	-0.50
Cyclamate	µg/l	0.912 ± 0.0795	- ± -	0.137	-	-
Diazepam	µg/l	0.595 ± 0.0559	- ± -	0.0833	-	-
Diclofenac	µg/l	0.191 ± 0.0235	0.23 ± 0.057	0.0497	120	0.78
Ibuprofen	µg/l	0.141 ± 0.0143	0.124 ± 0.04	0.0225	88.2	-0.74
Iopamidol	µg/l	0.809 ± 0.0289	- ± -	0.0405	-	-
Metoprolol	µg/l	0.318 ± 0.0247	0.272 ± 0.07	0.0794	85.7	-0.57
Saccharin	µg/l	0.514 ± 0.0512	- ± -	0.113	-	-
Sotalol	µg/l	0.148 ± 0.0207	0.138 ± 0.034	0.0326	93.3	-0.31
Sucralose	µg/l	1.08 ± 0.213	- ± -	0.325	-	-
Sulfamethoxazole	µg/l	0.29 ± 0.0137	0.229 ± 0.057	0.0348	79	-1.75

#Input error (missing comma) was corrected after consultation (2021-04-21 10:38)

Sample: AZ8B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	µg/l	8.27 ± 0.818	8.27 ± 2.068	0.992	100	0.00
4-Formylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	1.24 ± 0.0727	- ± -	0.0891	-	-
Acesulfame	µg/l	18.8 ± 1.44	16.141 ± 4.035	3.2	85.8	-0.83
Amidotrizoic acid	µg/l	2.07 ± 0.268	- ± -	0.414	-	-
Atenolol	µg/l	1.17 ± 0.128	1.089 ± 0.272	0.246	92.8	-0.34

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Benzotriazole	µg/l	10.6 ± 0.312	10.003 ± 2.501	1.27	94.7	-0.44
Bisoprolol	µg/l	0.803 ± 0.059	- ± -	0.0779	-	-
Carbamazepine	µg/l	1.22 ± 0.0887	1.214 ± 0.303	0.158	99.7	-0.02
Cyclamate	µg/l	0.622 ± 0.138	- ± -	0.168	-	-
Diazepam	µg/l	0.572 ± 0.0588	- ± -	0.0858	-	-
Diclofenac	µg/l	2.8 ± 0.158	2.257 ± 0.564	0.392	80.6	-1.39
Ibuprofen	µg/l	3.45 ± 0.22	3.175 ± 0.794	0.345	92.1	-0.79
Iopamidol	µg/l	31.7 ± 4.83	- ± -	8.86	-	-
Metoprolol	µg/l	1.09 ± 0.0751	0.914 ± 0.228	0.274	83.5	-0.66
Saccharin	µg/l	21.9 ± 1.84	- ± -	4.81	-	-
Sotalol	µg/l	0.767 ± 0.0685	0.608 ± 0.152	0.169	79.3	-0.94
Sucralose	µg/l	10.3 ± 2.31	- ± -	3.1	-	-
Sulfamethoxazole	µg/l	0.769 ± 0.043	0.268 ± 0.067	0.0922	34.9	-5.43



Sample: AZ8A

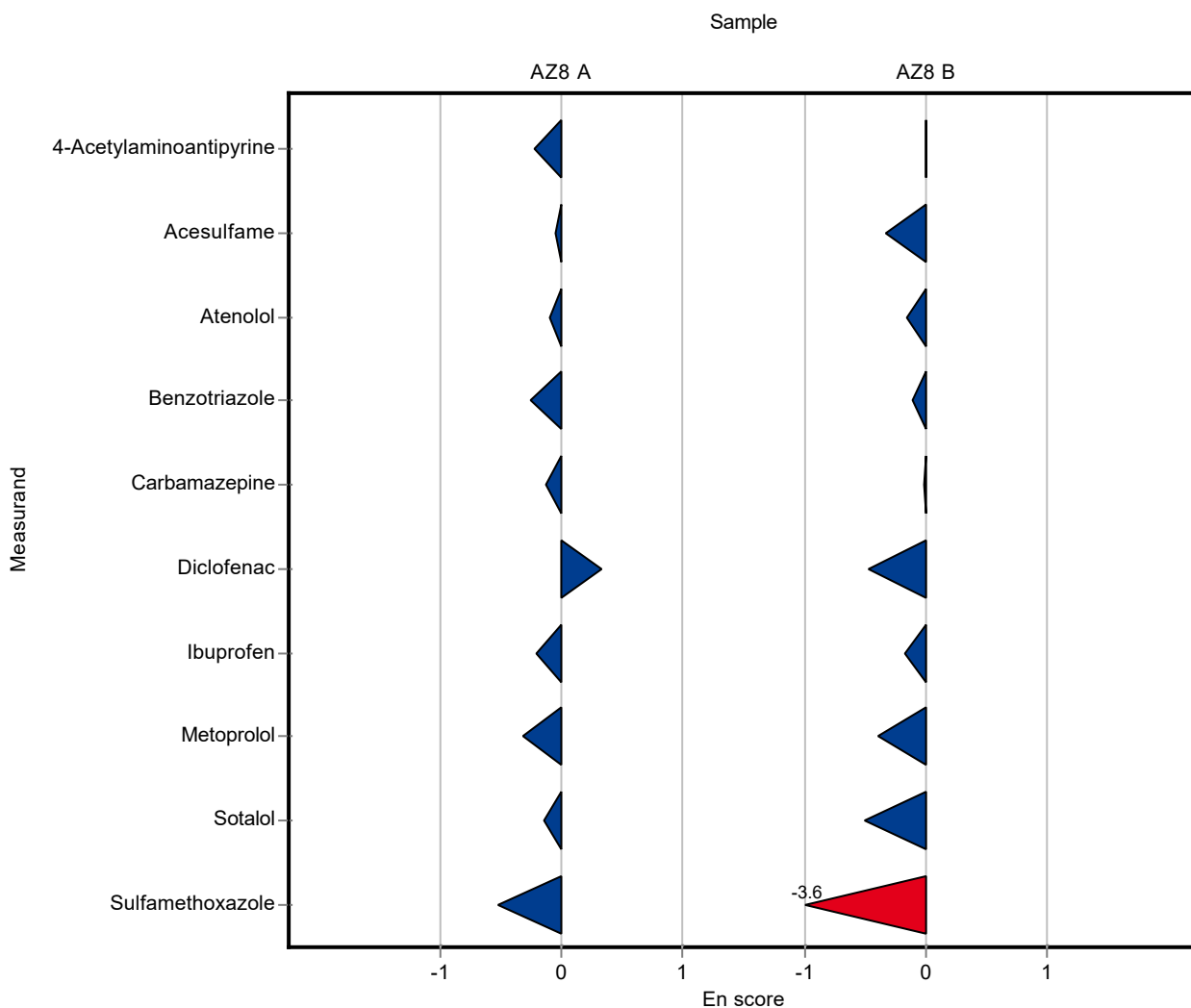
Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	µg/l	0.303 ± 0.0204	0.272 ± 0.068	0.0251	89.8	-0.23
4-Formylaminoantipyrine	µg/l	0.459 ± 0.035	- ± -	0.0431	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	0.276 ± 0.025	- ± -	0.0332	-	-
Acesulfame	µg/l	1.12 ± 0.0581	#1.088 ± 0.272	0.19	97.4	-0.05
Amidotrizoic acid	µg/l	0.626 ± 0.0895	- ± -	0.157	-	-
Atenolol	µg/l	0.457 ± 0.0445	0.435 ± 0.11	0.0868	95.2	-0.10
Benzotriazole	µg/l	0.695 ± 0.0439	0.614 ± 0.153	0.0833	88.4	-0.26
Bisoprolol	µg/l	0.0879 ± 0.00933	- ± -	0.0132	-	-
Carbamazepine	µg/l	0.761 ± 0.0485	0.712 ± 0.178	0.099	93.5	-0.14
Cyclamate	µg/l	0.912 ± 0.0795	- ± -	0.137	-	-
Diazepam	µg/l	0.595 ± 0.0559	- ± -	0.0833	-	-
Diclofenac	µg/l	0.191 ± 0.0235	0.23 ± 0.057	0.0497	120	0.33
Ibuprofen	µg/l	0.141 ± 0.0143	0.124 ± 0.04	0.0225	88.2	-0.20
Iopamidol	µg/l	0.809 ± 0.0289	- ± -	0.0405	-	-
Metoprolol	µg/l	0.318 ± 0.0247	0.272 ± 0.07	0.0794	85.7	-0.32
Saccharin	µg/l	0.514 ± 0.0512	- ± -	0.113	-	-
Sotalol	µg/l	0.148 ± 0.0207	0.138 ± 0.034	0.0326	93.3	-0.14
Sucralose	µg/l	1.08 ± 0.213	- ± -	0.325	-	-
Sulfamethoxazole	µg/l	0.29 ± 0.0137	0.229 ± 0.057	0.0348	79	-0.53

#Input error (missing comma) was corrected after consultation (2021-04-21 10:38)

Sample: AZ8B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	µg/l	8.27 ± 0.818	8.27 ± 2.068	0.992	100	0.00
4-Formylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	1.24 ± 0.0727	- ± -	0.0891	-	-
Acesulfame	µg/l	18.8 ± 1.44	16.141 ± 4.035	3.2	85.8	-0.33
Amidotrizoic acid	µg/l	2.07 ± 0.268	- ± -	0.414	-	-
Atenolol	µg/l	1.17 ± 0.128	1.089 ± 0.272	0.246	92.8	-0.15

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Benzotriazole	µg/l	10.6 ± 0.312	10.003 ± 2.501	1.27	94.7	-0.11
Bisoprolol	µg/l	0.803 ± 0.059	- ± -	0.0779	-	-
Carbamazepine	µg/l	1.22 ± 0.0887	1.214 ± 0.303	0.158	99.7	-0.01
Cyclamate	µg/l	0.622 ± 0.138	- ± -	0.168	-	-
Diazepam	µg/l	0.572 ± 0.0588	- ± -	0.0858	-	-
Diclofenac	µg/l	2.8 ± 0.158	2.257 ± 0.564	0.392	80.6	-0.48
Ibuprofen	µg/l	3.45 ± 0.22	3.175 ± 0.794	0.345	92.1	-0.17
Iopamidol	µg/l	31.7 ± 4.83	- ± -	8.86	-	-
Metoprolol	µg/l	1.09 ± 0.0751	0.914 ± 0.228	0.274	83.5	-0.39
Saccharin	µg/l	21.9 ± 1.84	- ± -	4.81	-	-
Sotalol	µg/l	0.767 ± 0.0685	0.608 ± 0.152	0.169	79.3	-0.51
Sucralose	µg/l	10.3 ± 2.31	- ± -	3.1	-	-
Sulfamethoxazole	µg/l	0.769 ± 0.043	0.268 ± 0.067	0.0922	34.9	-3.56



Sample: AZ8A

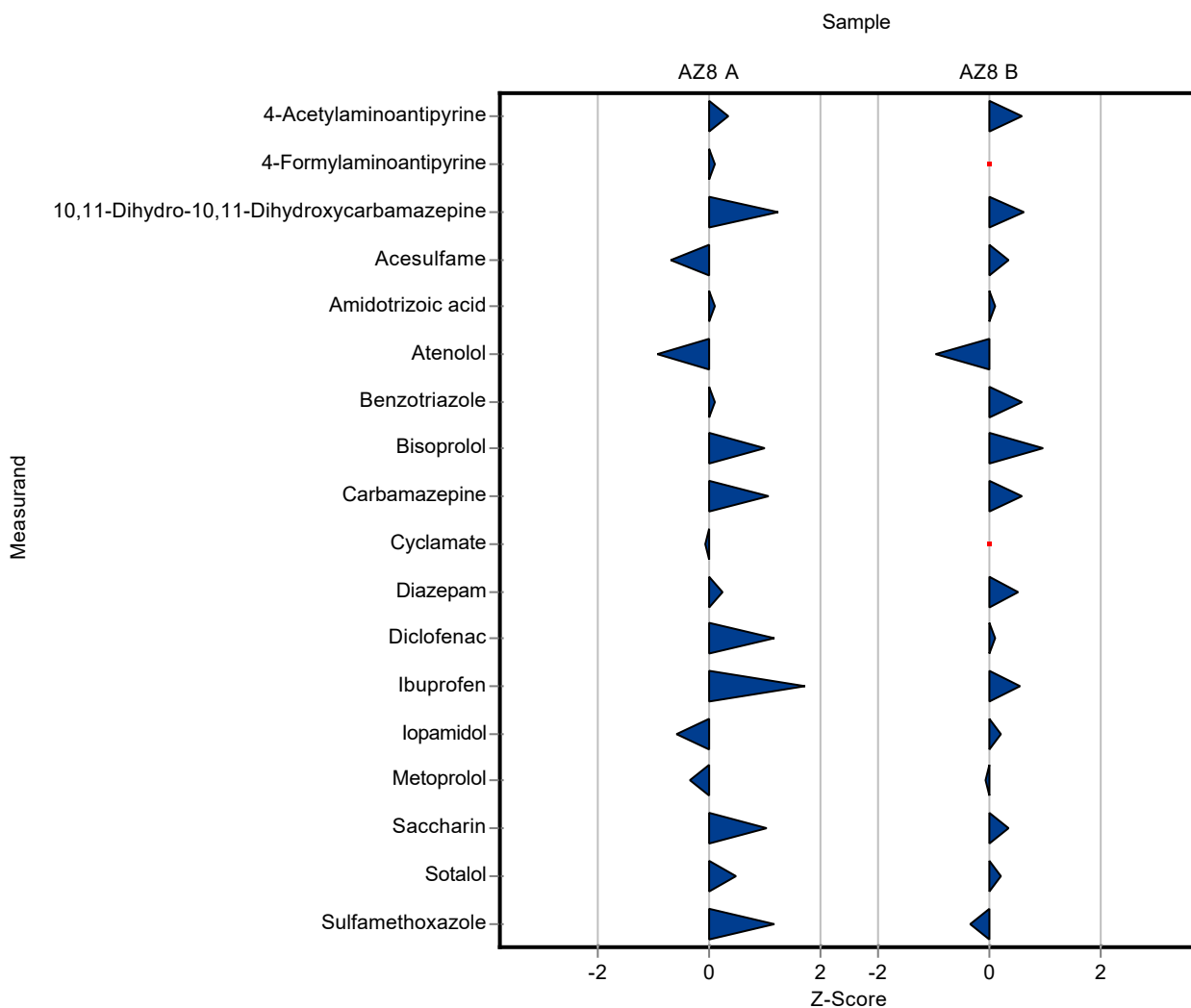
Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	µg/l	0.303 ± 0.0204	0.3113 ± 0.0165	0.0251	103	0.34
4-Formylaminoantipyrine	µg/l	0.459 ± 0.035	0.4627 ± 0.0288	0.0431	101	0.09
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	0.276 ± 0.025	0.3167 ± 0.0368	0.0332	115	1.22
Acesulfame	µg/l	1.12 ± 0.0581	0.9853 ± 0.1172	0.19	88.2	-0.69
Amidotrizoic acid	µg/l	0.626 ± 0.0895	0.6393 ± 0.1077	0.157	102	0.08
Atenolol	µg/l	0.457 ± 0.0445	0.3757 ± 0.0314	0.0868	82.2	-0.93
Benzotriazole	µg/l	0.695 ± 0.0439	0.7033 ± 0.0485	0.0833	101	0.10
Bisoprolol	µg/l	0.0879 ± 0.00933	0.101 ± 0.0058	0.0132	115	1.00
Carbamazepine	µg/l	0.761 ± 0.0485	0.8643 ± 0.0555	0.099	114	1.04
Cyclamate	µg/l	0.912 ± 0.0795	0.9 ± 0.1562	0.137	98.7	-0.09
Diazepam	µg/l	0.595 ± 0.0559	0.6153 ± 0.0483	0.0833	103	0.25
Diclofenac	µg/l	0.191 ± 0.0235	0.2487 ± 0.0255	0.0497	130	1.16
Ibuprofen	µg/l	0.141 ± 0.0143	0.1787 ± 0.016	0.0225	127	1.70
Iopamidol	µg/l	0.809 ± 0.0289	0.786 ± 0.1154	0.0405	97.1	-0.57
Metoprolol	µg/l	0.318 ± 0.0247	0.291 ± 0.0146	0.0794	91.7	-0.33
Saccharin	µg/l	0.514 ± 0.0512	0.629 ± 0.0657	0.113	122	1.02
Sotalol	µg/l	0.148 ± 0.0207	0.1637 ± 0.0104	0.0326	111	0.48
Sucralose	µg/l	1.08 ± 0.213	- ± -	0.325	-	-
Sulfamethoxazole	µg/l	0.29 ± 0.0137	0.3297 ± 0.0218	0.0348	114	1.15

Sample: AZ8B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	µg/l	8.27 ± 0.818	8.84 ± 0.4677	0.992	107	0.58
4-Formylaminoantipyrine	µg/l	- ± -	4.84 ± 0.3017	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	1.24 ± 0.0727	1.2933 ± 0.1504	0.0891	105	0.63
Acesulfame	µg/l	18.8 ± 1.44	19.9867 ± 2.3771	3.2	106	0.37
Amidotrizoic acid	µg/l	2.07 ± 0.268	2.1133 ± 0.3559	0.414	102	0.11
Atenolol	µg/l	1.17 ± 0.128	0.9367 ± 0.0782	0.246	79.9	-0.96



Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Benzotriazole	µg/l	10.6 ± 0.312	11.3067 ± 0.7798	1.27	107	0.58
Bisoprolol	µg/l	0.803 ± 0.059	0.8797 ± 0.0506	0.0779	110	0.98
Carbamazepine	µg/l	1.22 ± 0.0887	1.31 ± 0.0842	0.158	108	0.58
Cyclamate	µg/l	0.622 ± 0.138	<0.1 (LOQ) ± -	0.168	-	-
Diazepam	µg/l	0.572 ± 0.0588	0.617 ± 0.0484	0.0858	108	0.52
Diclofenac	µg/l	2.8 ± 0.158	2.84 ± 0.2909	0.392	101	0.10
Ibuprofen	µg/l	3.45 ± 0.22	3.64 ± 0.1554	0.345	106	0.56
Iopamidol	µg/l	31.7 ± 4.83	33.6133 ± 4.9353	8.86	106	0.22
Metoprolol	µg/l	1.09 ± 0.0751	1.0733 ± 0.0537	0.274	98.1	-0.08
Saccharin	µg/l	21.9 ± 1.84	23.4867 ± 2.4544	4.81	107	0.34
Sotalol	µg/l	0.767 ± 0.0685	0.8027 ± 0.051	0.169	105	0.21
Sucralose	µg/l	10.3 ± 2.31	- ± -	3.1	-	-
Sulfamethoxazole	µg/l	0.769 ± 0.043	0.737 ± 0.0338	0.0922	95.9	-0.34



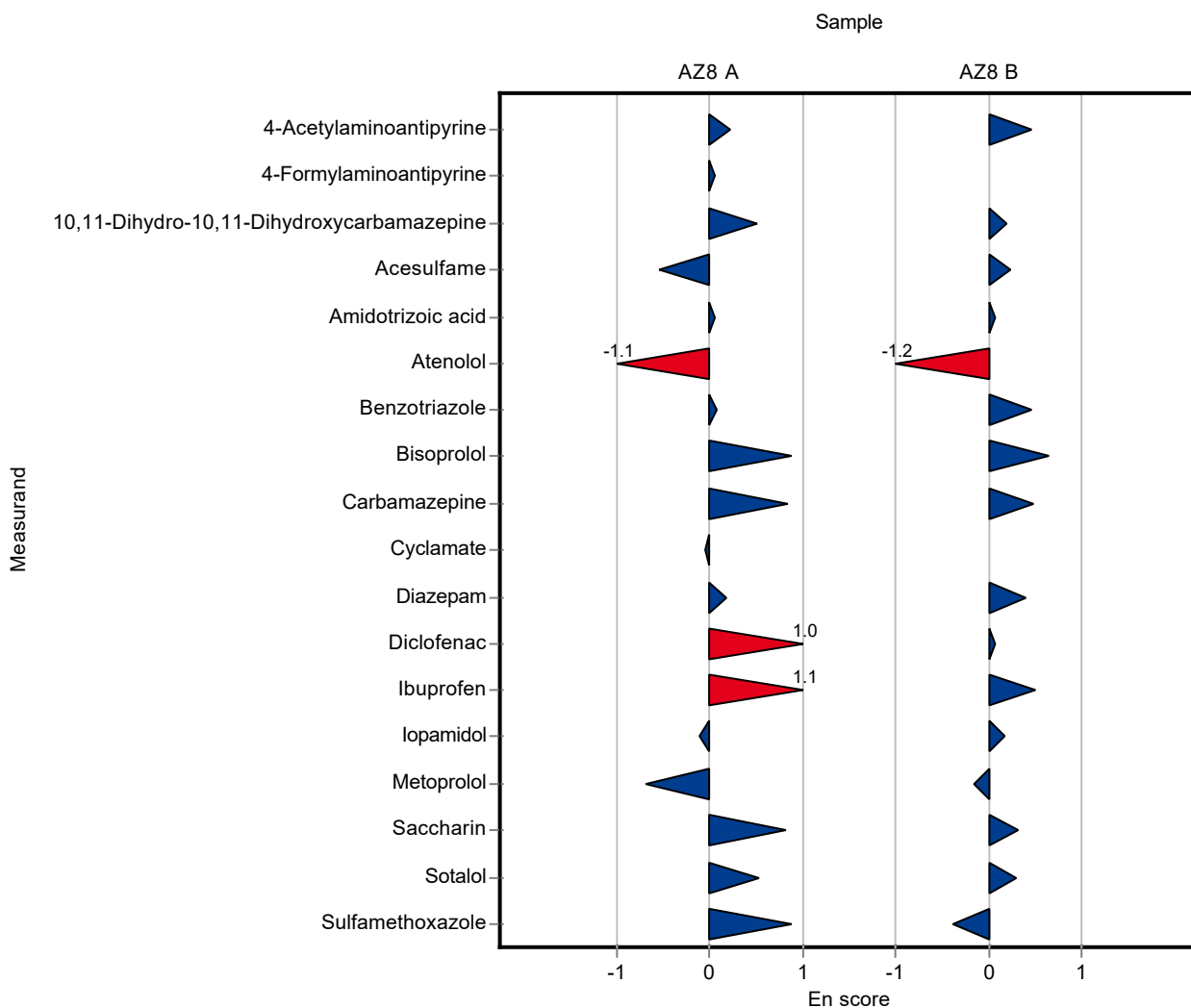
Sample: AZ8A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	µg/l	0.303 ± 0.0204	0.3113 ± 0.0165	0.0251	103	0.22
4-Formylaminoantipyrine	µg/l	0.459 ± 0.035	0.4627 ± 0.0288	0.0431	101	0.06
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	0.276 ± 0.025	0.3167 ± 0.0368	0.0332	115	0.52
Acesulfame	µg/l	1.12 ± 0.0581	0.9853 ± 0.1172	0.19	88.2	-0.55
Amidotrizoic acid	µg/l	0.626 ± 0.0895	0.6393 ± 0.1077	0.157	102	0.06
Atenolol	µg/l	0.457 ± 0.0445	0.3757 ± 0.0314	0.0868	82.2	-1.05
Benzotriazole	µg/l	0.695 ± 0.0439	0.7033 ± 0.0485	0.0833	101	0.08
Bisoprolol	µg/l	0.0879 ± 0.00933	0.101 ± 0.0058	0.0132	115	0.88
Carbamazepine	µg/l	0.761 ± 0.0485	0.8643 ± 0.0555	0.099	114	0.85
Cyclamate	µg/l	0.912 ± 0.0795	0.9 ± 0.1562	0.137	98.7	-0.04
Diazepam	µg/l	0.595 ± 0.0559	0.6153 ± 0.0483	0.0833	103	0.18
Diclofenac	µg/l	0.191 ± 0.0235	0.2487 ± 0.0255	0.0497	130	1.02
Ibuprofen	µg/l	0.141 ± 0.0143	0.1787 ± 0.016	0.0225	127	1.09
Iopamidol	µg/l	0.809 ± 0.0289	0.786 ± 0.1154	0.0405	97.1	-0.10
Metoprolol	µg/l	0.318 ± 0.0247	0.291 ± 0.0146	0.0794	91.7	-0.69
Saccharin	µg/l	0.514 ± 0.0512	0.629 ± 0.0657	0.113	122	0.82
Sotalol	µg/l	0.148 ± 0.0207	0.1637 ± 0.0104	0.0326	111	0.54
Sucralose	µg/l	1.08 ± 0.213	- ± -	0.325	-	-
Sulfamethoxazole	µg/l	0.29 ± 0.0137	0.3297 ± 0.0218	0.0348	114	0.87

Sample: AZ8B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	µg/l	8.27 ± 0.818	8.84 ± 0.4677	0.992	107	0.46
4-Formylaminoantipyrine	µg/l	- ± -	4.84 ± 0.3017	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	1.24 ± 0.0727	1.2933 ± 0.1504	0.0891	105	0.18
Acesulfame	µg/l	18.8 ± 1.44	19.9867 ± 2.3771	3.2	106	0.24
Amidotrizoic acid	µg/l	2.07 ± 0.268	2.1133 ± 0.3559	0.414	102	0.06
Atenolol	µg/l	1.17 ± 0.128	0.9367 ± 0.0782	0.246	79.9	-1.17

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Benzotriazole	µg/l	10.6 ± 0.312	11.3067 ± 0.7798	1.27	107	0.47
Bisoprolol	µg/l	0.803 ± 0.059	0.8797 ± 0.0506	0.0779	110	0.65
Carbamazepine	µg/l	1.22 ± 0.0887	1.31 ± 0.0842	0.158	108	0.49
Cyclamate	µg/l	0.622 ± 0.138	<0.1 (LOQ) ± -	0.168	-	-
Diazepam	µg/l	0.572 ± 0.0588	0.617 ± 0.0484	0.0858	108	0.40
Diclofenac	µg/l	2.8 ± 0.158	2.84 ± 0.2909	0.392	101	0.06
Ibuprofen	µg/l	3.45 ± 0.22	3.64 ± 0.1554	0.345	106	0.50
Iopamidol	µg/l	31.7 ± 4.83	33.6133 ± 4.9353	8.86	106	0.18
Metoprolol	µg/l	1.09 ± 0.0751	1.0733 ± 0.0537	0.274	98.1	-0.16
Saccharin	µg/l	21.9 ± 1.84	23.4867 ± 2.4544	4.81	107	0.31
Sotalol	µg/l	0.767 ± 0.0685	0.8027 ± 0.051	0.169	105	0.29
Sucralose	µg/l	10.3 ± 2.31	- ± -	3.1	-	-
Sulfamethoxazole	µg/l	0.769 ± 0.043	0.737 ± 0.0338	0.0922	95.9	-0.39



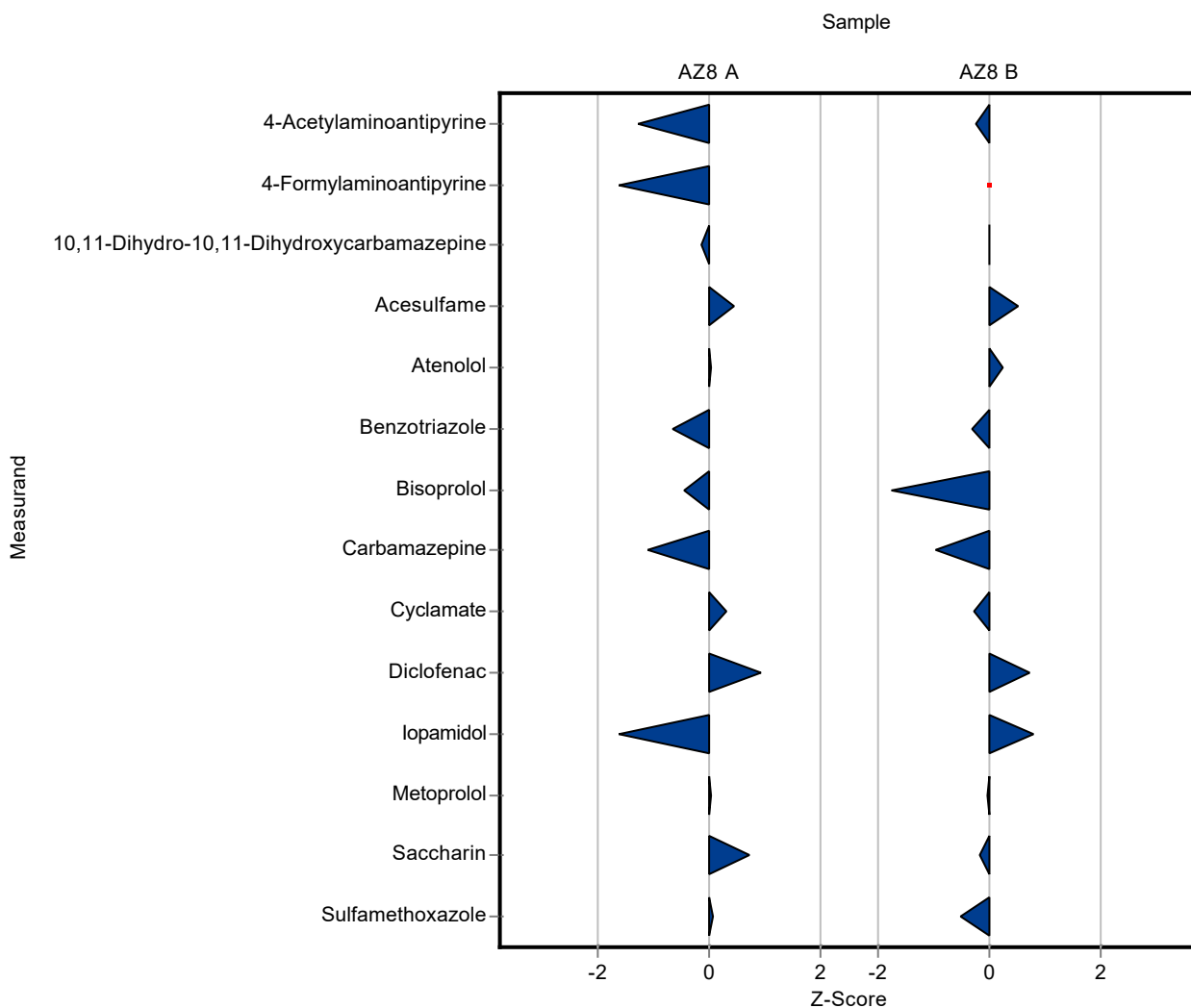
Sample: AZ8A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	µg/l	0.303 ± 0.0204	0.271 ± 0.041	0.0251	89.5	-1.27
4-Formylaminoantipyrine	µg/l	0.459 ± 0.035	0.389 ± 0.058	0.0431	84.8	-1.62
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	0.276 ± 0.025	0.272 ± 0.041	0.0332	98.4	-0.13
Acesulfame	µg/l	1.12 ± 0.0581	1.201 ± 0.18	0.19	107	0.44
Amidotrizoic acid	µg/l	0.626 ± 0.0895	- ± -	0.157	-	-
Atenolol	µg/l	0.457 ± 0.0445	0.46 ± 0.069	0.0868	101	0.04
Benzotriazole	µg/l	0.695 ± 0.0439	0.641 ± 0.096	0.0833	92.3	-0.64
Bisoprolol	µg/l	0.0879 ± 0.00933	0.082 ± 0.012	0.0132	93.3	-0.45
Carbamazepine	µg/l	0.761 ± 0.0485	0.652 ± 0.098	0.099	85.6	-1.10
Cyclamate	µg/l	0.912 ± 0.0795	0.953 ± 0.143	0.137	105	0.30
Diazepam	µg/l	0.595 ± 0.0559	- ± -	0.0833	-	-
Diclofenac	µg/l	0.191 ± 0.0235	0.237 ± 0.036	0.0497	124	0.92
Ibuprofen	µg/l	0.141 ± 0.0143	- ± -	0.0225	-	-
Iopamidol	µg/l	0.809 ± 0.0289	0.743 ± 0.111	0.0405	91.8	-1.64
Metoprolol	µg/l	0.318 ± 0.0247	0.319 ± 0.048	0.0794	100	0.02
Saccharin	µg/l	0.514 ± 0.0512	0.595 ± 0.089	0.113	116	0.72
Sotalol	µg/l	0.148 ± 0.0207	- ± -	0.0326	-	-
Sucralose	µg/l	1.08 ± 0.213	- ± -	0.325	-	-
Sulfamethoxazole	µg/l	0.29 ± 0.0137	0.292 ± 0.044	0.0348	101	0.06

Sample: AZ8B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	µg/l	8.27 ± 0.818	8.04 ± 1.206	0.992	97.2	-0.23
4-Formylaminoantipyrine	µg/l	- ± -	4.543 ± 0.681	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	1.24 ± 0.0727	1.239 ± 0.186	0.0891	100	0.02
Acesulfame	µg/l	18.8 ± 1.44	20.47 ± 3.07	3.2	109	0.52
Amidotrizoic acid	µg/l	2.07 ± 0.268	- ± -	0.414	-	-
Atenolol	µg/l	1.17 ± 0.128	1.23 ± 0.185	0.246	105	0.23

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Benzotriazole	µg/l	10.6 ± 0.312	10.19 ± 1.529	1.27	96.4	-0.30
Bisoprolol	µg/l	0.803 ± 0.059	0.666 ± 0.1	0.0779	82.9	-1.76
Carbamazepine	µg/l	1.22 ± 0.0887	1.069 ± 0.16	0.158	87.8	-0.94
Cyclamate	µg/l	0.622 ± 0.138	0.578 ± 0.087	0.168	92.9	-0.26
Diazepam	µg/l	0.572 ± 0.0588	- ± -	0.0858	-	-
Diclofenac	µg/l	2.8 ± 0.158	3.088 ± 0.463	0.392	110	0.73
Ibuprofen	µg/l	3.45 ± 0.22	- ± -	0.345	-	-
Iopamidol	µg/l	31.7 ± 4.83	38.8 ± 5.82	8.86	123	0.81
Metoprolol	µg/l	1.09 ± 0.0751	1.083 ± 0.162	0.274	99	-0.04
Saccharin	µg/l	21.9 ± 1.84	21.09 ± 3.163	4.81	96.5	-0.16
Sotalol	µg/l	0.767 ± 0.0685	- ± -	0.169	-	-
Sucralose	µg/l	10.3 ± 2.31	- ± -	3.1	-	-
Sulfamethoxazole	µg/l	0.769 ± 0.043	0.721 ± 0.108	0.0922	93.8	-0.52





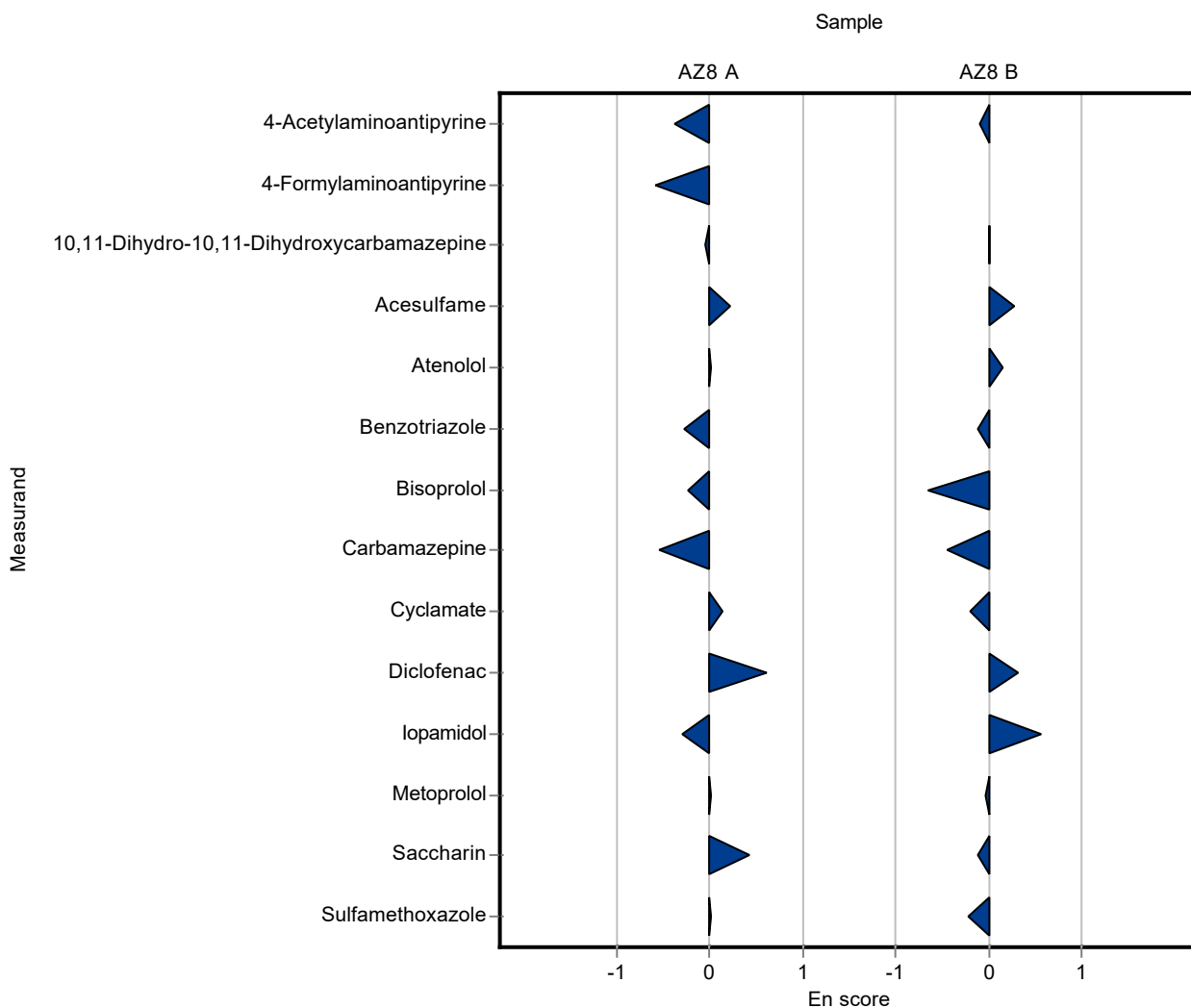
Sample: AZ8A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	µg/l	0.303 ± 0.0204	0.271 ± 0.041	0.0251	89.5	-0.38
4-Formylaminoantipyrine	µg/l	0.459 ± 0.035	0.389 ± 0.058	0.0431	84.8	-0.58
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	0.276 ± 0.025	0.272 ± 0.041	0.0332	98.4	-0.05
Acesulfame	µg/l	1.12 ± 0.0581	1.201 ± 0.18	0.19	107	0.23
Amidotrizoic acid	µg/l	0.626 ± 0.0895	- ± -	0.157	-	-
Atenolol	µg/l	0.457 ± 0.0445	0.46 ± 0.069	0.0868	101	0.02
Benzotriazole	µg/l	0.695 ± 0.0439	0.641 ± 0.096	0.0833	92.3	-0.27
Bisoprolol	µg/l	0.0879 ± 0.00933	0.082 ± 0.012	0.0132	93.3	-0.23
Carbamazepine	µg/l	0.761 ± 0.0485	0.652 ± 0.098	0.099	85.6	-0.54
Cyclamate	µg/l	0.912 ± 0.0795	0.953 ± 0.143	0.137	105	0.14
Diazepam	µg/l	0.595 ± 0.0559	- ± -	0.0833	-	-
Diclofenac	µg/l	0.191 ± 0.0235	0.237 ± 0.036	0.0497	124	0.60
Ibuprofen	µg/l	0.141 ± 0.0143	- ± -	0.0225	-	-
Iopamidol	µg/l	0.809 ± 0.0289	0.743 ± 0.111	0.0405	91.8	-0.30
Metoprolol	µg/l	0.318 ± 0.0247	0.319 ± 0.048	0.0794	100	0.02
Saccharin	µg/l	0.514 ± 0.0512	0.595 ± 0.089	0.113	116	0.44
Sotalol	µg/l	0.148 ± 0.0207	- ± -	0.0326	-	-
Sucralose	µg/l	1.08 ± 0.213	- ± -	0.325	-	-
Sulfamethoxazole	µg/l	0.29 ± 0.0137	0.292 ± 0.044	0.0348	101	0.02

Sample: AZ8B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	µg/l	8.27 ± 0.818	8.04 ± 1.206	0.992	97.2	-0.09
4-Formylaminoantipyrine	µg/l	- ± -	4.543 ± 0.681	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	1.24 ± 0.0727	1.239 ± 0.186	0.0891	100	0.00
Acesulfame	µg/l	18.8 ± 1.44	20.47 ± 3.07	3.2	109	0.26
Amidotrizoic acid	µg/l	2.07 ± 0.268	- ± -	0.414	-	-
Atenolol	µg/l	1.17 ± 0.128	1.23 ± 0.185	0.246	105	0.15

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Benzotriazole	µg/l	10.6 ± 0.312	10.19 ± 1.529	1.27	96.4	-0.12
Bisoprolol	µg/l	0.803 ± 0.059	0.666 ± 0.1	0.0779	82.9	-0.66
Carbamazepine	µg/l	1.22 ± 0.0887	1.069 ± 0.16	0.158	87.8	-0.45
Cyclamate	µg/l	0.622 ± 0.138	0.578 ± 0.087	0.168	92.9	-0.20
Diazepam	µg/l	0.572 ± 0.0588	- ± -	0.0858	-	-
Diclofenac	µg/l	2.8 ± 0.158	3.088 ± 0.463	0.392	110	0.30
Ibuprofen	µg/l	3.45 ± 0.22	- ± -	0.345	-	-
Iopamidol	µg/l	31.7 ± 4.83	38.8 ± 5.82	8.86	123	0.57
Metoprolol	µg/l	1.09 ± 0.0751	1.083 ± 0.162	0.274	99	-0.03
Saccharin	µg/l	21.9 ± 1.84	21.09 ± 3.163	4.81	96.5	-0.12
Sotalol	µg/l	0.767 ± 0.0685	- ± -	0.169	-	-
Sucralose	µg/l	10.3 ± 2.31	- ± -	3.1	-	-
Sulfamethoxazole	µg/l	0.769 ± 0.043	0.721 ± 0.108	0.0922	93.8	-0.22



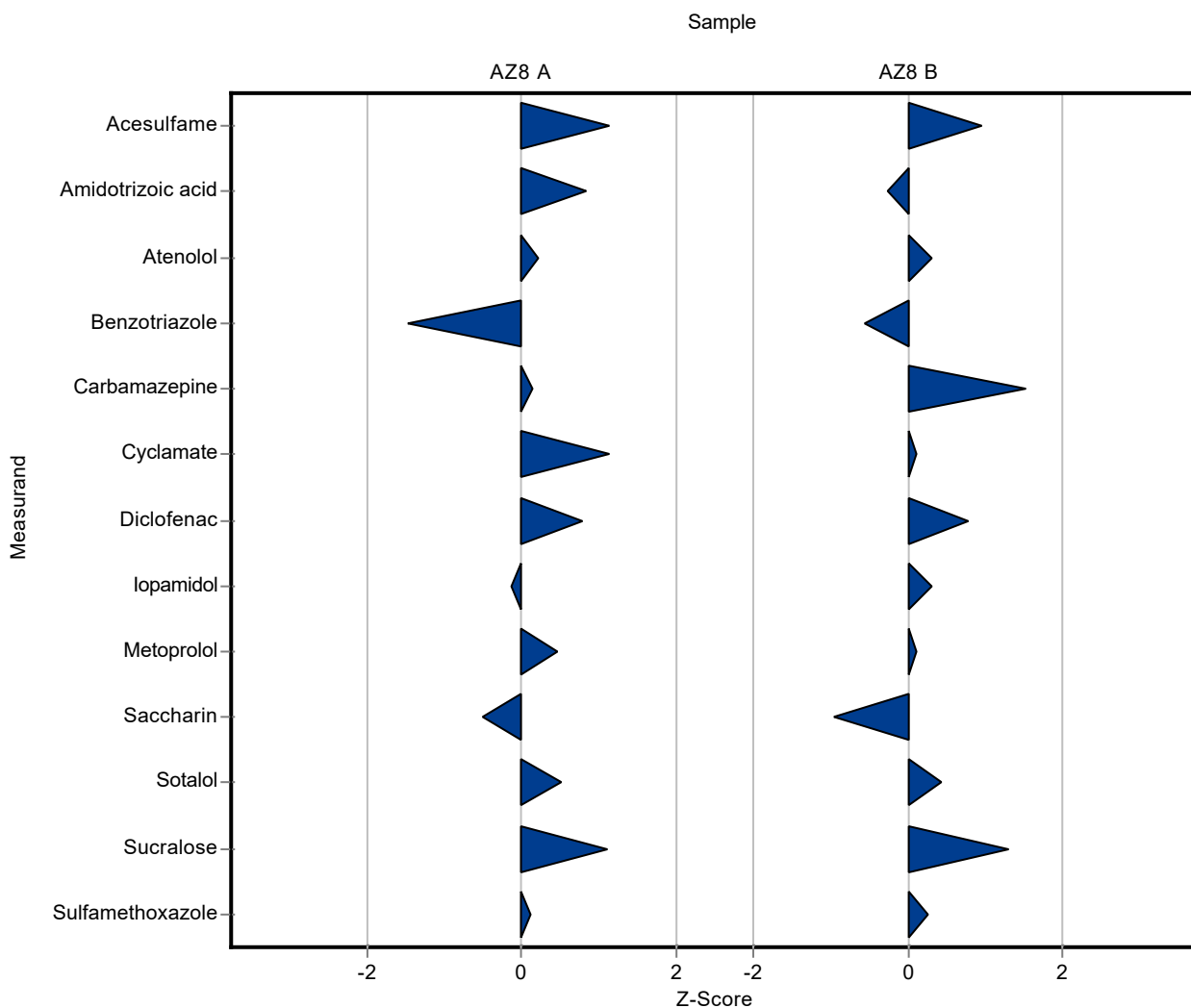
Sample: AZ8A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	µg/l	0.303 ± 0.0204	- ± -	0.0251	-	-
4-Formylaminoantipyrine	µg/l	0.459 ± 0.035	- ± -	0.0431	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	0.276 ± 0.025	- ± -	0.0332	-	-
Acesulfame	µg/l	1.12 ± 0.0581	1.333 ± 0.066	0.19	119	1.13
Amidotrizoic acid	µg/l	0.626 ± 0.0895	0.758 ± 0.056	0.157	121	0.84
Atenolol	µg/l	0.457 ± 0.0445	0.475 ± 0.031	0.0868	104	0.21
Benzotriazole	µg/l	0.695 ± 0.0439	0.573 ± 0.039	0.0833	82.5	-1.46
Bisoprolol	µg/l	0.0879 ± 0.00933	- ± -	0.0132	-	-
Carbamazepine	µg/l	0.761 ± 0.0485	0.776 ± 0.099	0.099	102	0.15
Cyclamate	µg/l	0.912 ± 0.0795	1.068 ± 0.065	0.137	117	1.14
Diazepam	µg/l	0.595 ± 0.0559	- ± -	0.0833	-	-
Diclofenac	µg/l	0.191 ± 0.0235	0.23 ± 0.055	0.0497	120	0.78
Ibuprofen	µg/l	0.141 ± 0.0143	- ± -	0.0225	-	-
Iopamidol	µg/l	0.809 ± 0.0289	0.804 ± 0.121	0.0405	99.4	-0.13
Metoprolol	µg/l	0.318 ± 0.0247	0.355 ± 0.015	0.0794	112	0.47
Saccharin	µg/l	0.514 ± 0.0512	0.458 ± 0.045	0.113	89.1	-0.49
Sotalol	µg/l	0.148 ± 0.0207	0.165 ± 0.006	0.0326	112	0.52
Sucralose	µg/l	1.08 ± 0.213	1.443 ± 0.111	0.325	133	1.11
Sulfamethoxazole	µg/l	0.29 ± 0.0137	0.294 ± 0.05	0.0348	101	0.12

Sample: AZ8B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	µg/l	8.27 ± 0.818	- ± -	0.992	-	-
4-Formylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	1.24 ± 0.0727	- ± -	0.0891	-	-
Acesulfame	µg/l	18.8 ± 1.44	21.833 ± 1.776	3.2	116	0.94
Amidotrizoic acid	µg/l	2.07 ± 0.268	1.956 ± 0.061	0.414	94.6	-0.27
Atenolol	µg/l	1.17 ± 0.128	1.247 ± 0.062	0.246	106	0.30

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Benzotriazole	µg/l	10.6 ± 0.312	9.862 ± 0.911	1.27	93.3	-0.56
Bisoprolol	µg/l	0.803 ± 0.059	- ± -	0.0779	-	-
Carbamazepine	µg/l	1.22 ± 0.0887	1.457 ± 0.196	0.158	120	1.51
Cyclamate	µg/l	0.622 ± 0.138	0.638 ± 0.055	0.168	103	0.10
Diazepam	µg/l	0.572 ± 0.0588	- ± -	0.0858	-	-
Diclofenac	µg/l	2.8 ± 0.158	3.102 ± 0.37	0.392	111	0.77
Ibuprofen	µg/l	3.45 ± 0.22	- ± -	0.345	-	-
Iopamidol	µg/l	31.7 ± 4.83	34.398 ± 0.843	8.86	109	0.31
Metoprolol	µg/l	1.09 ± 0.0751	1.126 ± 0.052	0.274	103	0.12
Saccharin	µg/l	21.9 ± 1.84	17.247 ± 1.845	4.81	78.9	-0.96
Sotalol	µg/l	0.767 ± 0.0685	0.839 ± 0.066	0.169	109	0.43
Sucralose	µg/l	10.3 ± 2.31	14.346 ± 0.895	3.1	139	1.30
Sulfamethoxazole	µg/l	0.769 ± 0.043	0.791 ± 0.142	0.0922	103	0.24



Sample: AZ8A

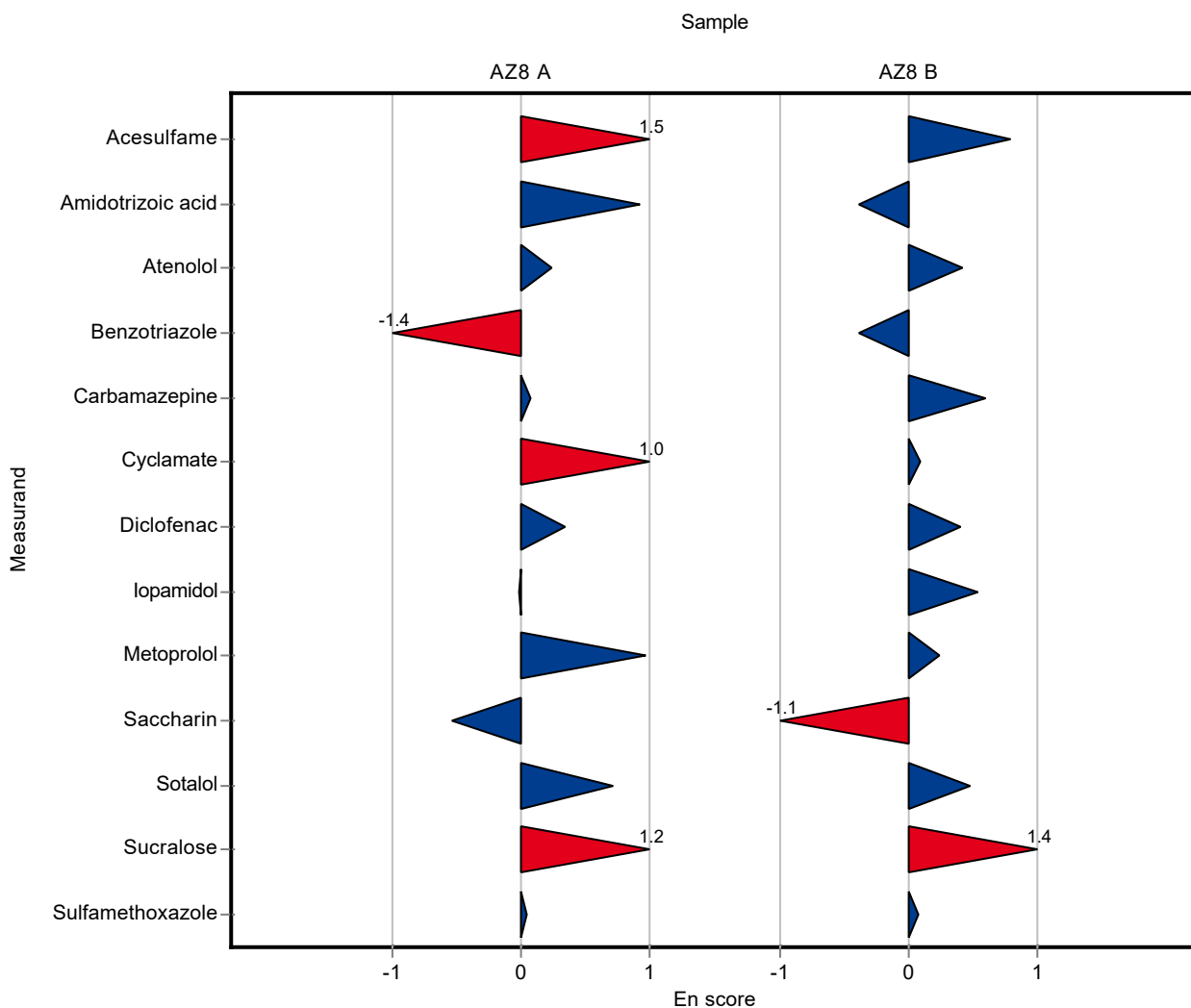
Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	µg/l	0.303 ± 0.0204	- ± -	0.0251	-	-
4-Formylaminoantipyrine	µg/l	0.459 ± 0.035	- ± -	0.0431	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	0.276 ± 0.025	- ± -	0.0332	-	-
Acesulfame	µg/l	1.12 ± 0.0581	1.333 ± 0.066	0.19	119	1.49
Amidotrizoic acid	µg/l	0.626 ± 0.0895	0.758 ± 0.056	0.157	121	0.92
Atenolol	µg/l	0.457 ± 0.0445	0.475 ± 0.031	0.0868	104	0.24
Benzotriazole	µg/l	0.695 ± 0.0439	0.573 ± 0.039	0.0833	82.5	-1.36
Bisoprolol	µg/l	0.0879 ± 0.00933	- ± -	0.0132	-	-
Carbamazepine	µg/l	0.761 ± 0.0485	0.776 ± 0.099	0.099	102	0.07
Cyclamate	µg/l	0.912 ± 0.0795	1.068 ± 0.065	0.137	117	1.02
Diazepam	µg/l	0.595 ± 0.0559	- ± -	0.0833	-	-
Diclofenac	µg/l	0.191 ± 0.0235	0.23 ± 0.055	0.0497	120	0.34
Ibuprofen	µg/l	0.141 ± 0.0143	- ± -	0.0225	-	-
Iopamidol	µg/l	0.809 ± 0.0289	0.804 ± 0.121	0.0405	99.4	-0.02
Metoprolol	µg/l	0.318 ± 0.0247	0.355 ± 0.015	0.0794	112	0.96
Saccharin	µg/l	0.514 ± 0.0512	0.458 ± 0.045	0.113	89.1	-0.54
Sotalol	µg/l	0.148 ± 0.0207	0.165 ± 0.006	0.0326	112	0.71
Sucralose	µg/l	1.08 ± 0.213	1.443 ± 0.111	0.325	133	1.17
Sulfamethoxazole	µg/l	0.29 ± 0.0137	0.294 ± 0.05	0.0348	101	0.04

Sample: AZ8B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	µg/l	8.27 ± 0.818	- ± -	0.992	-	-
4-Formylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	1.24 ± 0.0727	- ± -	0.0891	-	-
Acesulfame	µg/l	18.8 ± 1.44	21.833 ± 1.776	3.2	116	0.79
Amidotrizoic acid	µg/l	2.07 ± 0.268	1.956 ± 0.061	0.414	94.6	-0.38
Atenolol	µg/l	1.17 ± 0.128	1.247 ± 0.062	0.246	106	0.41

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Benzotriazole	µg/l	10.6 ± 0.312	9.862 ± 0.911	1.27	93.3	-0.38
Bisoprolol	µg/l	0.803 ± 0.059	- ± -	0.0779	-	-
Carbamazepine	µg/l	1.22 ± 0.0887	1.457 ± 0.196	0.158	120	0.60
Cyclamate	µg/l	0.622 ± 0.138	0.638 ± 0.055	0.168	103	0.09
Diazepam	µg/l	0.572 ± 0.0588	- ± -	0.0858	-	-
Diclofenac	µg/l	2.8 ± 0.158	3.102 ± 0.37	0.392	111	0.40
Ibuprofen	µg/l	3.45 ± 0.22	- ± -	0.345	-	-
Iopamidol	µg/l	31.7 ± 4.83	34.398 ± 0.843	8.86	109	0.54
Metoprolol	µg/l	1.09 ± 0.0751	1.126 ± 0.052	0.274	103	0.25
Saccharin	µg/l	21.9 ± 1.84	17.247 ± 1.845	4.81	78.9	-1.12
Sotalol	µg/l	0.767 ± 0.0685	0.839 ± 0.066	0.169	109	0.49
Sucralose	µg/l	10.3 ± 2.31	14.346 ± 0.895	3.1	139	1.38
Sulfamethoxazole	µg/l	0.769 ± 0.043	0.791 ± 0.142	0.0922	103	0.08





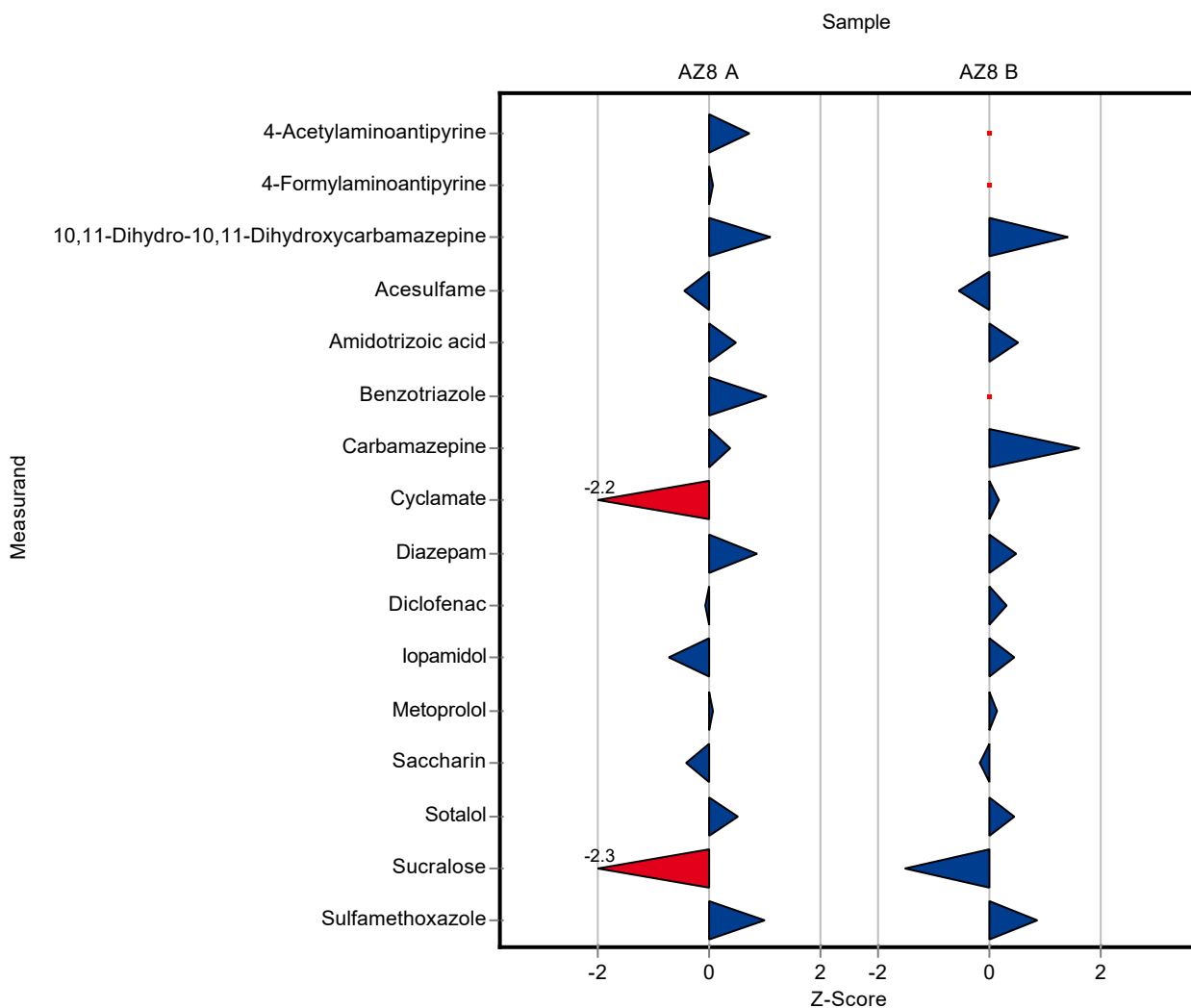
Sample: AZ8A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	µg/l	0.303 ± 0.0204	0.321 ± 0.096	0.0251	106	0.72
4-Formylaminoantipyrine	µg/l	0.459 ± 0.035	0.461 ± 0.138	0.0431	100	0.05
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	0.276 ± 0.025	0.313 ± 0.094	0.0332	113	1.10
Acesulfame	µg/l	1.12 ± 0.0581	1.03 ± 0.14	0.19	92.2	-0.46
Amidotrizoic acid	µg/l	0.626 ± 0.0895	0.7 ± 0.07	0.157	112	0.47
Atenolol	µg/l	0.457 ± 0.0445	- ± -	0.0868	-	-
Benzotriazole	µg/l	0.695 ± 0.0439	0.78 ± 0.234	0.0833	112	1.02
Bisoprolol	µg/l	0.0879 ± 0.00933	- ± -	0.0132	-	-
Carbamazepine	µg/l	0.761 ± 0.0485	0.799 ± 0.24	0.099	105	0.38
Cyclamate	µg/l	0.912 ± 0.0795	0.615 ± 0.117	0.137	67.4	-2.17
Diazepam	µg/l	0.595 ± 0.0559	0.666 ± 0.2	0.0833	112	0.85
Diclofenac	µg/l	0.191 ± 0.0235	0.188 ± 0.0565	0.0497	98.3	-0.07
Ibuprofen	µg/l	0.141 ± 0.0143	- ± -	0.0225	-	-
Iopamidol	µg/l	0.809 ± 0.0289	0.78 ± 0.211	0.0405	96.4	-0.72
Metoprolol	µg/l	0.318 ± 0.0247	0.323 ± 0.0968	0.0794	102	0.07
Saccharin	µg/l	0.514 ± 0.0512	0.468 ± 0.108	0.113	91.1	-0.41
Sotalol	µg/l	0.148 ± 0.0207	0.165 ± 0.05	0.0326	112	0.52
Sucralose	µg/l	1.08 ± 0.213	0.349 ± 0.14	0.325	32.3	-2.26
Sulfamethoxazole	µg/l	0.29 ± 0.0137	0.324 ± 0.097	0.0348	112	0.98

Sample: AZ8B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	µg/l	8.27 ± 0.818	- ± -	0.992	-	-
4-Formylaminoantipyrine	µg/l	- ± -	4.82 ± 1.446	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	1.24 ± 0.0727	1.362 ± 0.409	0.0891	110	1.40
Acesulfame	µg/l	18.8 ± 1.44	17.106 ± 2.321	3.2	90.9	-0.53
Amidotrizoic acid	µg/l	2.07 ± 0.268	2.28 ± 0.228	0.414	110	0.51
Atenolol	µg/l	1.17 ± 0.128	- ± -	0.246	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Benzotriazole	µg/l	10.6 ± 0.312	- ± -	1.27	-	-
Bisoprolol	µg/l	0.803 ± 0.059	- ± -	0.0779	-	-
Carbamazepine	µg/l	1.22 ± 0.0887	1.475 ± 0.443	0.158	121	1.63
Cyclamate	µg/l	0.622 ± 0.138	0.652 ± 0.124	0.168	105	0.18
Diazepam	µg/l	0.572 ± 0.0588	0.613 ± 0.184	0.0858	107	0.48
Diclofenac	µg/l	2.8 ± 0.158	2.928 ± 0.878	0.392	105	0.32
Ibuprofen	µg/l	3.45 ± 0.22	- ± -	0.345	-	-
Iopamidol	µg/l	31.7 ± 4.83	35.75 ± 9.653	8.86	113	0.46
Metoprolol	µg/l	1.09 ± 0.0751	1.133 ± 0.34	0.274	104	0.14
Saccharin	µg/l	21.9 ± 1.84	21 ± 4.83	4.81	96.1	-0.18
Sotalol	µg/l	0.767 ± 0.0685	0.841 ± 0.252	0.169	110	0.44
Sucralose	µg/l	10.3 ± 2.31	5.61 ± 2.24	3.1	54.4	-1.52
Sulfamethoxazole	µg/l	0.769 ± 0.043	0.849 ± 0.255	0.0922	110	0.87



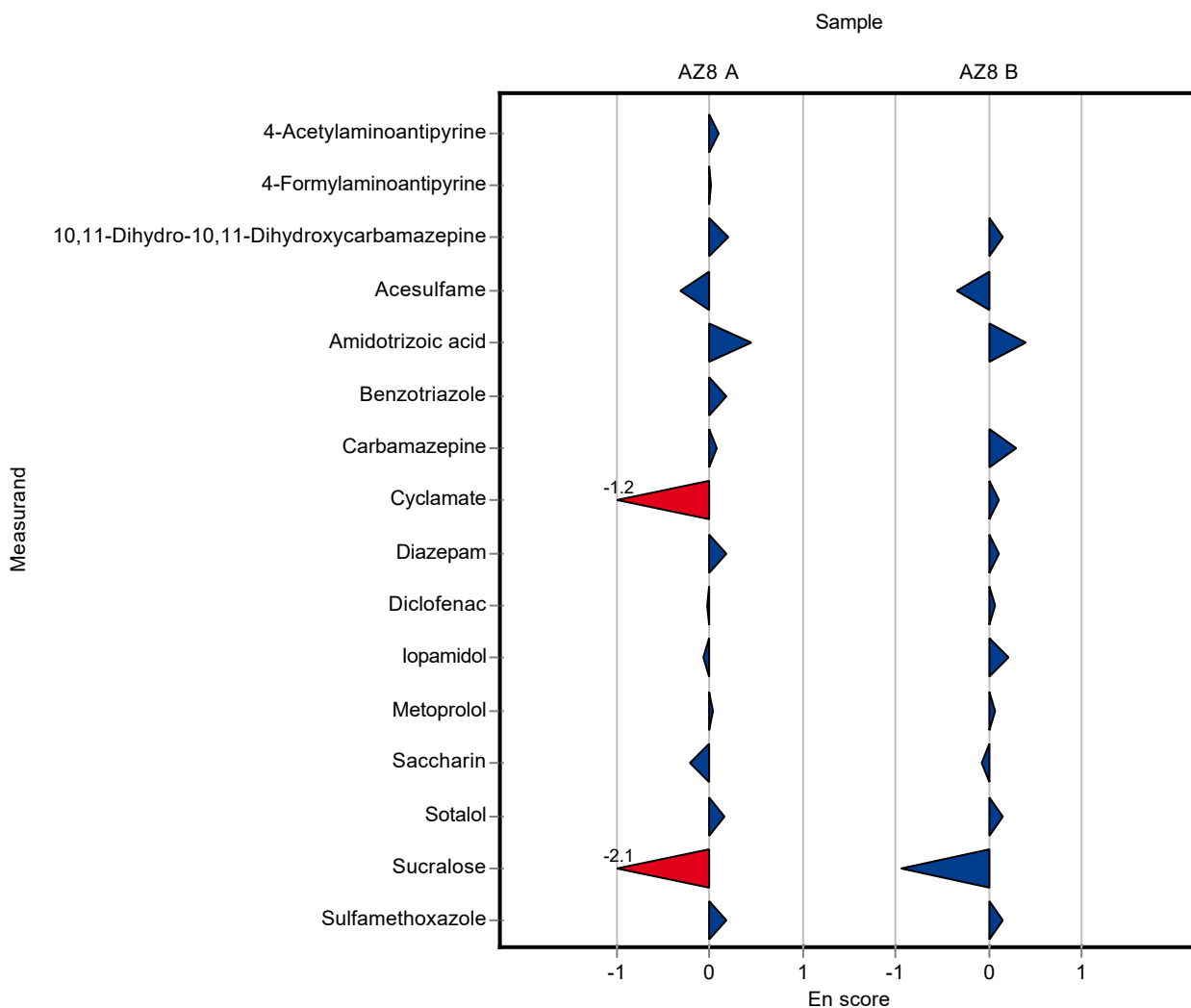
Sample: AZ8A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	µg/l	0.303 ± 0.0204	0.321 ± 0.096	0.0251	106	0.09
4-Formylaminoantipyrine	µg/l	0.459 ± 0.035	0.461 ± 0.138	0.0431	100	0.01
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	0.276 ± 0.025	0.313 ± 0.094	0.0332	113	0.19
Acesulfame	µg/l	1.12 ± 0.0581	1.03 ± 0.14	0.19	92.2	-0.31
Amidotrizoic acid	µg/l	0.626 ± 0.0895	0.7 ± 0.07	0.157	112	0.44
Atenolol	µg/l	0.457 ± 0.0445	- ± -	0.0868	-	-
Benzotriazole	µg/l	0.695 ± 0.0439	0.78 ± 0.234	0.0833	112	0.18
Bisoprolol	µg/l	0.0879 ± 0.00933	- ± -	0.0132	-	-
Carbamazepine	µg/l	0.761 ± 0.0485	0.799 ± 0.24	0.099	105	0.08
Cyclamate	µg/l	0.912 ± 0.0795	0.615 ± 0.117	0.137	67.4	-1.20
Diazepam	µg/l	0.595 ± 0.0559	0.666 ± 0.2	0.0833	112	0.18
Diclofenac	µg/l	0.191 ± 0.0235	0.188 ± 0.0565	0.0497	98.3	-0.03
Ibuprofen	µg/l	0.141 ± 0.0143	- ± -	0.0225	-	-
Iopamidol	µg/l	0.809 ± 0.0289	0.78 ± 0.211	0.0405	96.4	-0.07
Metoprolol	µg/l	0.318 ± 0.0247	0.323 ± 0.0968	0.0794	102	0.03
Saccharin	µg/l	0.514 ± 0.0512	0.468 ± 0.108	0.113	91.1	-0.21
Sotalol	µg/l	0.148 ± 0.0207	0.165 ± 0.05	0.0326	112	0.17
Sucralose	µg/l	1.08 ± 0.213	0.349 ± 0.14	0.325	32.3	-2.08
Sulfamethoxazole	µg/l	0.29 ± 0.0137	0.324 ± 0.097	0.0348	112	0.18

Sample: AZ8B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	µg/l	8.27 ± 0.818	- ± -	0.992	-	-
4-Formylaminoantipyrine	µg/l	- ± -	4.82 ± 1.446	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	1.24 ± 0.0727	1.362 ± 0.409	0.0891	110	0.15
Acesulfame	µg/l	18.8 ± 1.44	17.106 ± 2.321	3.2	90.9	-0.35
Amidotrizoic acid	µg/l	2.07 ± 0.268	2.28 ± 0.228	0.414	110	0.40
Atenolol	µg/l	1.17 ± 0.128	- ± -	0.246	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Benzotriazole	µg/l	10.6 ± 0.312	- ± -	1.27	-	-
Bisoprolol	µg/l	0.803 ± 0.059	- ± -	0.0779	-	-
Carbamazepine	µg/l	1.22 ± 0.0887	1.475 ± 0.443	0.158	121	0.29
Cyclamate	µg/l	0.622 ± 0.138	0.652 ± 0.124	0.168	105	0.11
Diazepam	µg/l	0.572 ± 0.0588	0.613 ± 0.184	0.0858	107	0.11
Diclofenac	µg/l	2.8 ± 0.158	2.928 ± 0.878	0.392	105	0.07
Ibuprofen	µg/l	3.45 ± 0.22	- ± -	0.345	-	-
Iopamidol	µg/l	31.7 ± 4.83	35.75 ± 9.653	8.86	113	0.21
Metoprolol	µg/l	1.09 ± 0.0751	1.133 ± 0.34	0.274	104	0.06
Saccharin	µg/l	21.9 ± 1.84	21 ± 4.83	4.81	96.1	-0.09
Sotalol	µg/l	0.767 ± 0.0685	0.841 ± 0.252	0.169	110	0.15
Sucralose	µg/l	10.3 ± 2.31	5.61 ± 2.24	3.1	54.4	-0.93
Sulfamethoxazole	µg/l	0.769 ± 0.043	0.849 ± 0.255	0.0922	110	0.16



Sample: AZ8A

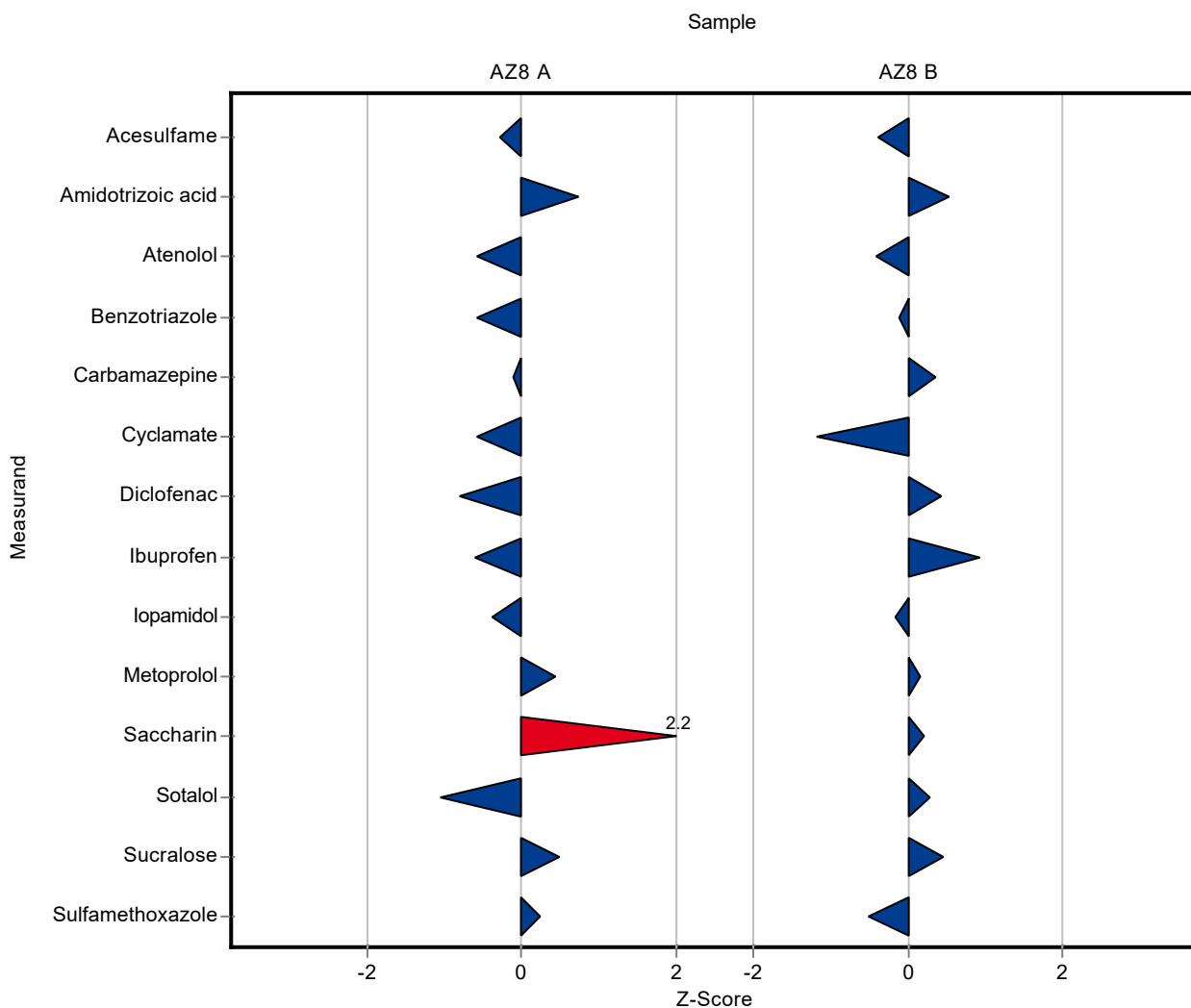
Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	µg/l	0.303 ± 0.0204	- ± -	0.0251	-	-
4-Formylaminoantipyrine	µg/l	0.459 ± 0.035	- ± -	0.0431	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	0.276 ± 0.025	- ± -	0.0332	-	-
Acesulfame	µg/l	1.12 ± 0.0581	1.066 ± 0.192	0.19	95.4	-0.27
Amidotrizoic acid	µg/l	0.626 ± 0.0895	0.743 ± 0.134	0.157	119	0.75
Atenolol	µg/l	0.457 ± 0.0445	0.407 ± 0.073	0.0868	89.1	-0.57
Benzotriazole	µg/l	0.695 ± 0.0439	0.647 ± 0.116	0.0833	93.2	-0.57
Bisoprolol	µg/l	0.0879 ± 0.00933	- ± -	0.0132	-	-
Carbamazepine	µg/l	0.761 ± 0.0485	0.752 ± 0.135	0.099	98.8	-0.09
Cyclamate	µg/l	0.912 ± 0.0795	0.834 ± 0.15	0.137	91.5	-0.57
Diazepam	µg/l	0.595 ± 0.0559	- ± -	0.0833	-	-
Diclofenac	µg/l	0.191 ± 0.0235	0.152 ± 0.027	0.0497	79.5	-0.79
Ibuprofen	µg/l	0.141 ± 0.0143	0.127 ± 0.023	0.0225	90.3	-0.60
Iopamidol	µg/l	0.809 ± 0.0289	0.794 ± 0.143	0.0405	98.1	-0.38
Metoprolol	µg/l	0.318 ± 0.0247	0.352 ± 0.063	0.0794	111	0.43
Saccharin	µg/l	0.514 ± 0.0512	0.768 ± 0.138	0.113	149	2.25
Sotalol	µg/l	0.148 ± 0.0207	0.114 ± 0.02	0.0326	77	-1.04
Sucralose	µg/l	1.08 ± 0.213	1.243 ± 0.224	0.325	115	0.50
Sulfamethoxazole	µg/l	0.29 ± 0.0137	0.298 ± 0.054	0.0348	103	0.23

Sample: AZ8B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	µg/l	8.27 ± 0.818	- ± -	0.992	-	-
4-Formylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	1.24 ± 0.0727	- ± -	0.0891	-	-
Acesulfame	µg/l	18.8 ± 1.44	17.55 ± 3.16	3.2	93.3	-0.40
Amidotrizoic acid	µg/l	2.07 ± 0.268	2.285 ± 0.411	0.414	110	0.52
Atenolol	µg/l	1.17 ± 0.128	1.069 ± 0.192	0.246	91.1	-0.42



Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Benzotriazole	µg/l	10.6 ± 0.312	10.43 ± 1.88	1.27	98.7	-0.11
Bisoprolol	µg/l	0.803 ± 0.059	- ± -	0.0779	-	-
Carbamazepine	µg/l	1.22 ± 0.0887	1.274 ± 0.229	0.158	105	0.36
Cyclamate	µg/l	0.622 ± 0.138	0.422 ± 0.076	0.168	67.8	-1.19
Diazepam	µg/l	0.572 ± 0.0588	- ± -	0.0858	-	-
Diclofenac	µg/l	2.8 ± 0.158	2.968 ± 0.534	0.392	106	0.42
Ibuprofen	µg/l	3.45 ± 0.22	3.765 ± 0.678	0.345	109	0.92
Iopamidol	µg/l	31.7 ± 4.83	30.2 ± 5.44	8.86	95.4	-0.16
Metoprolol	µg/l	1.09 ± 0.0751	1.138 ± 0.205	0.274	104	0.16
Saccharin	µg/l	21.9 ± 1.84	22.79 ± 4.1	4.81	104	0.20
Sotalol	µg/l	0.767 ± 0.0685	0.812 ± 0.146	0.169	106	0.27
Sucralose	µg/l	10.3 ± 2.31	11.68 ± 2.1	3.1	113	0.44
Sulfamethoxazole	µg/l	0.769 ± 0.043	0.72 ± 0.13	0.0922	93.7	-0.53



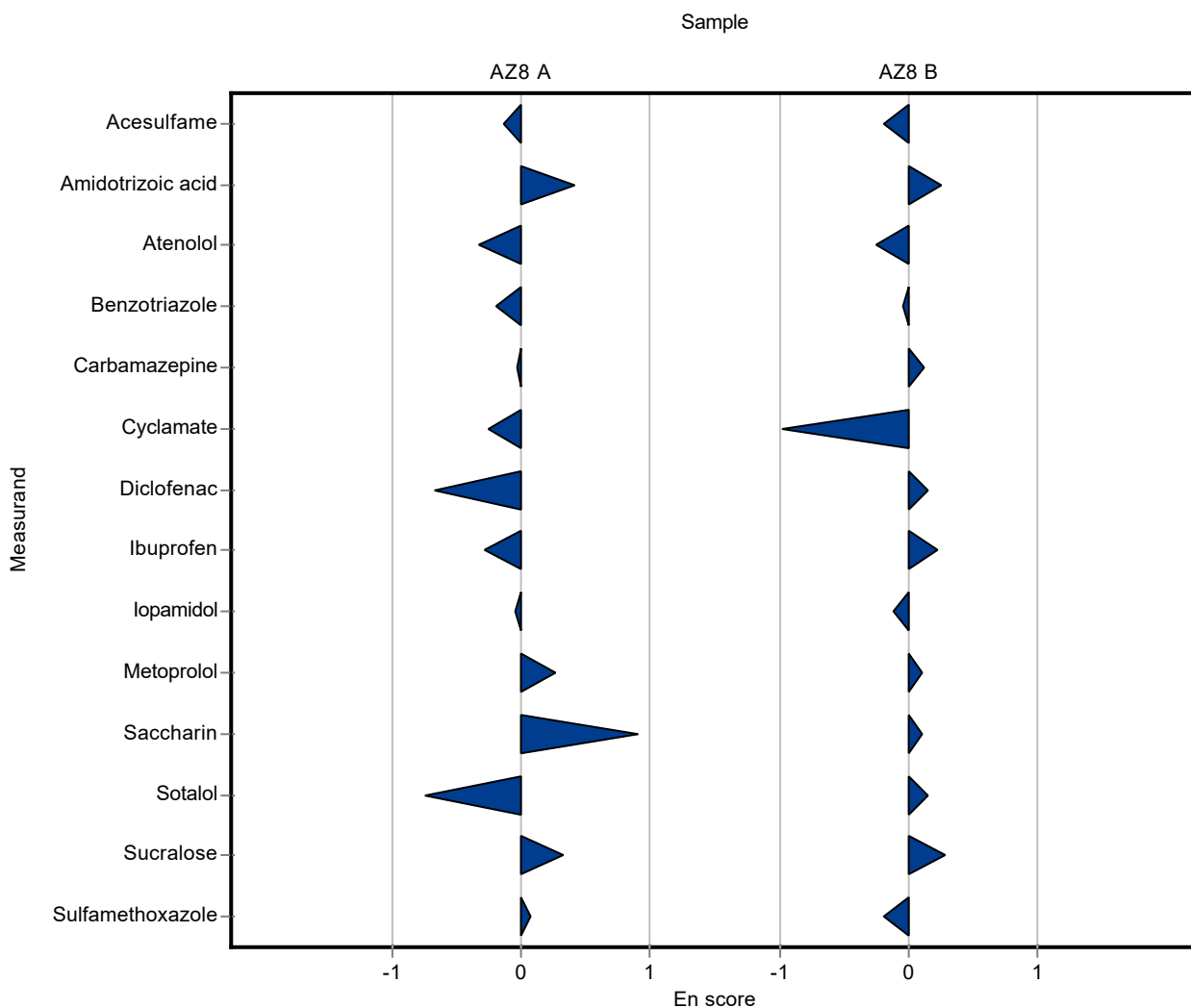
Sample: AZ8A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	µg/l	0.303 ± 0.0204	- ± -	0.0251	-	-
4-Formylaminoantipyrine	µg/l	0.459 ± 0.035	- ± -	0.0431	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	0.276 ± 0.025	- ± -	0.0332	-	-
Acesulfame	µg/l	1.12 ± 0.0581	1.066 ± 0.192	0.19	95.4	-0.13
Amidotrizoic acid	µg/l	0.626 ± 0.0895	0.743 ± 0.134	0.157	119	0.41
Atenolol	µg/l	0.457 ± 0.0445	0.407 ± 0.073	0.0868	89.1	-0.33
Benzotriazole	µg/l	0.695 ± 0.0439	0.647 ± 0.116	0.0833	93.2	-0.20
Bisoprolol	µg/l	0.0879 ± 0.00933	- ± -	0.0132	-	-
Carbamazepine	µg/l	0.761 ± 0.0485	0.752 ± 0.135	0.099	98.8	-0.03
Cyclamate	µg/l	0.912 ± 0.0795	0.834 ± 0.15	0.137	91.5	-0.25
Diazepam	µg/l	0.595 ± 0.0559	- ± -	0.0833	-	-
Diclofenac	µg/l	0.191 ± 0.0235	0.152 ± 0.027	0.0497	79.5	-0.67
Ibuprofen	µg/l	0.141 ± 0.0143	0.127 ± 0.023	0.0225	90.3	-0.28
Iopamidol	µg/l	0.809 ± 0.0289	0.794 ± 0.143	0.0405	98.1	-0.05
Metoprolol	µg/l	0.318 ± 0.0247	0.352 ± 0.063	0.0794	111	0.27
Saccharin	µg/l	0.514 ± 0.0512	0.768 ± 0.138	0.113	149	0.91
Sotalol	µg/l	0.148 ± 0.0207	0.114 ± 0.02	0.0326	77	-0.75
Sucralose	µg/l	1.08 ± 0.213	1.243 ± 0.224	0.325	115	0.33
Sulfamethoxazole	µg/l	0.29 ± 0.0137	0.298 ± 0.054	0.0348	103	0.08

Sample: AZ8B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	µg/l	8.27 ± 0.818	- ± -	0.992	-	-
4-Formylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	1.24 ± 0.0727	- ± -	0.0891	-	-
Acesulfame	µg/l	18.8 ± 1.44	17.55 ± 3.16	3.2	93.3	-0.20
Amidotrizoic acid	µg/l	2.07 ± 0.268	2.285 ± 0.411	0.414	110	0.25
Atenolol	µg/l	1.17 ± 0.128	1.069 ± 0.192	0.246	91.1	-0.26

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Benzotriazole	µg/l	10.6 ± 0.312	10.43 ± 1.88	1.27	98.7	-0.04
Bisoprolol	µg/l	0.803 ± 0.059	- ± -	0.0779	-	-
Carbamazepine	µg/l	1.22 ± 0.0887	1.274 ± 0.229	0.158	105	0.12
Cyclamate	µg/l	0.622 ± 0.138	0.422 ± 0.076	0.168	67.8	-0.98
Diazepam	µg/l	0.572 ± 0.0588	- ± -	0.0858	-	-
Diclofenac	µg/l	2.8 ± 0.158	2.968 ± 0.534	0.392	106	0.15
Ibuprofen	µg/l	3.45 ± 0.22	3.765 ± 0.678	0.345	109	0.23
Iopamidol	µg/l	31.7 ± 4.83	30.2 ± 5.44	8.86	95.4	-0.12
Metoprolol	µg/l	1.09 ± 0.0751	1.138 ± 0.205	0.274	104	0.10
Saccharin	µg/l	21.9 ± 1.84	22.79 ± 4.1	4.81	104	0.11
Sotalol	µg/l	0.767 ± 0.0685	0.812 ± 0.146	0.169	106	0.15
Sucralose	µg/l	10.3 ± 2.31	11.68 ± 2.1	3.1	113	0.28
Sulfamethoxazole	µg/l	0.769 ± 0.043	0.72 ± 0.13	0.0922	93.7	-0.18



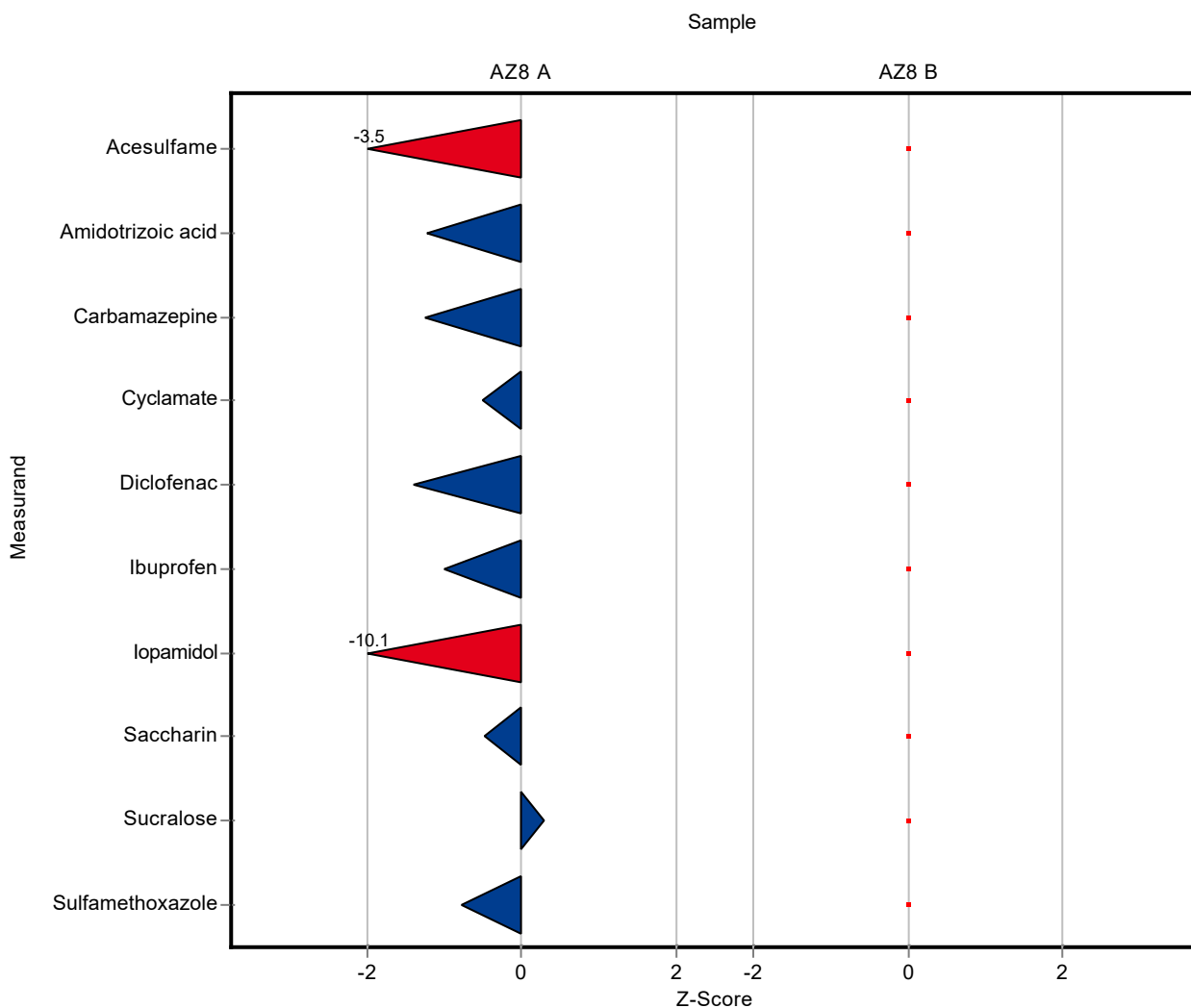
Sample: AZ8A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	µg/l	0.303 ± 0.0204	- ± -	0.0251	-	-
4-Formylaminoantipyrine	µg/l	0.459 ± 0.035	- ± -	0.0431	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	0.276 ± 0.025	- ± -	0.0332	-	-
Acesulfame	µg/l	1.12 ± 0.0581	0.456 ± 0.21	0.19	40.8	-3.48
Amidotrizoic acid	µg/l	0.626 ± 0.0895	0.437 ± 0.197	0.157	69.8	-1.21
Atenolol	µg/l	0.457 ± 0.0445	- ± -	0.0868	-	-
Benzotriazole	µg/l	0.695 ± 0.0439	- ± -	0.0833	-	-
Bisoprolol	µg/l	0.0879 ± 0.00933	- ± -	0.0132	-	-
Carbamazepine	µg/l	0.761 ± 0.0485	0.639 ± 0.288	0.099	83.9	-1.24
Cyclamate	µg/l	0.912 ± 0.0795	0.845 ± 0.388	0.137	92.7	-0.49
Diazepam	µg/l	0.595 ± 0.0559	- ± -	0.0833	-	-
Diclofenac	µg/l	0.191 ± 0.0235	0.122 ± 0.0547	0.0497	63.8	-1.39
Ibuprofen	µg/l	0.141 ± 0.0143	0.118 ± 0.0531	0.0225	83.9	-1.00
Iopamidol	µg/l	0.809 ± 0.0289	0.402 ± 0.181	0.0405	49.7	-10.10
Metoprolol	µg/l	0.318 ± 0.0247	- ± -	0.0794	-	-
Saccharin	µg/l	0.514 ± 0.0512	0.461 ± 0.212	0.113	89.7	-0.47
Sotalol	µg/l	0.148 ± 0.0207	- ± -	0.0326	-	-
Sucralose	µg/l	1.08 ± 0.213	1.18 ± 0.545	0.325	109	0.30
Sulfamethoxazole	µg/l	0.29 ± 0.0137	0.263 ± 0.119	0.0348	90.7	-0.77

Sample: AZ8B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	µg/l	8.27 ± 0.818	- ± -	0.992	-	-
4-Formylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	1.24 ± 0.0727	- ± -	0.0891	-	-
Acesulfame	µg/l	18.8 ± 1.44	- ± -	3.2	-	-
Amidotrizoic acid	µg/l	2.07 ± 0.268	- ± -	0.414	-	-
Atenolol	µg/l	1.17 ± 0.128	- ± -	0.246	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion Recovery [%]	z-Score
Benzotriazole	µg/l	10.6 ± 0.312	- ± -	1.27	-
Bisoprolol	µg/l	0.803 ± 0.059	- ± -	0.0779	-
Carbamazepine	µg/l	1.22 ± 0.0887	- ± -	0.158	-
Cyclamate	µg/l	0.622 ± 0.138	- ± -	0.168	-
Diazepam	µg/l	0.572 ± 0.0588	- ± -	0.0858	-
Diclofenac	µg/l	2.8 ± 0.158	- ± -	0.392	-
Ibuprofen	µg/l	3.45 ± 0.22	- ± -	0.345	-
Iopamidol	µg/l	31.7 ± 4.83	- ± -	8.86	-
Metoprolol	µg/l	1.09 ± 0.0751	- ± -	0.274	-
Saccharin	µg/l	21.9 ± 1.84	- ± -	4.81	-
Sotalol	µg/l	0.767 ± 0.0685	- ± -	0.169	-
Sucralose	µg/l	10.3 ± 2.31	- ± -	3.1	-
Sulfamethoxazole	µg/l	0.769 ± 0.043	- ± -	0.0922	-





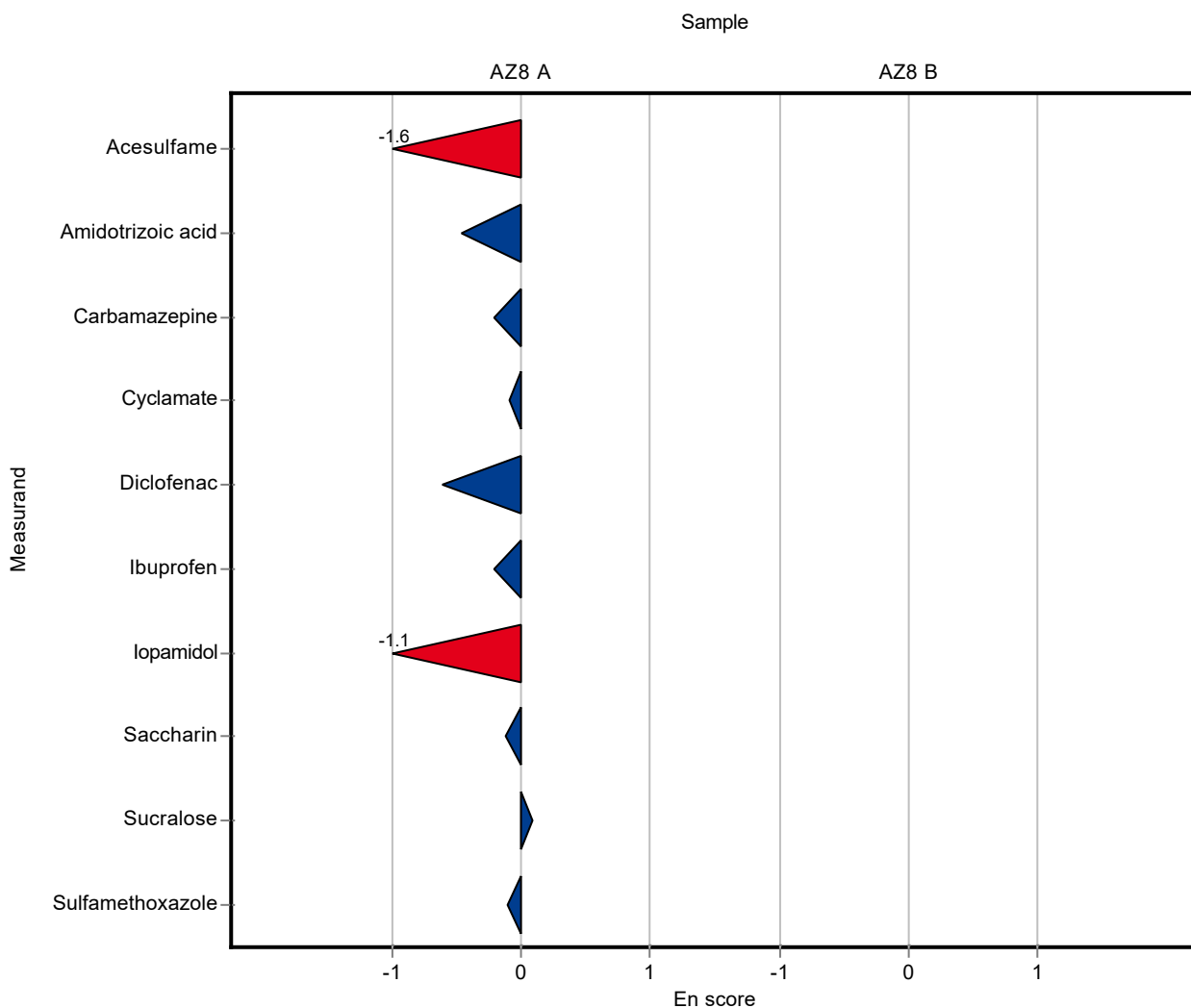
Sample: AZ8A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	µg/l	0.303 ± 0.0204	- ± -	0.0251	-	-
4-Formylaminoantipyrine	µg/l	0.459 ± 0.035	- ± -	0.0431	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	0.276 ± 0.025	- ± -	0.0332	-	-
Acesulfame	µg/l	1.12 ± 0.0581	0.456 ± 0.21	0.19	40.8	-1.56
Amidotrizoic acid	µg/l	0.626 ± 0.0895	0.437 ± 0.197	0.157	69.8	-0.47
Atenolol	µg/l	0.457 ± 0.0445	- ± -	0.0868	-	-
Benzotriazole	µg/l	0.695 ± 0.0439	- ± -	0.0833	-	-
Bisoprolol	µg/l	0.0879 ± 0.00933	- ± -	0.0132	-	-
Carbamazepine	µg/l	0.761 ± 0.0485	0.639 ± 0.288	0.099	83.9	-0.21
Cyclamate	µg/l	0.912 ± 0.0795	0.845 ± 0.388	0.137	92.7	-0.09
Diazepam	µg/l	0.595 ± 0.0559	- ± -	0.0833	-	-
Diclofenac	µg/l	0.191 ± 0.0235	0.122 ± 0.0547	0.0497	63.8	-0.62
Ibuprofen	µg/l	0.141 ± 0.0143	0.118 ± 0.0531	0.0225	83.9	-0.21
Iopamidol	µg/l	0.809 ± 0.0289	0.402 ± 0.181	0.0405	49.7	-1.12
Metoprolol	µg/l	0.318 ± 0.0247	- ± -	0.0794	-	-
Saccharin	µg/l	0.514 ± 0.0512	0.461 ± 0.212	0.113	89.7	-0.12
Sotalol	µg/l	0.148 ± 0.0207	- ± -	0.0326	-	-
Sucralose	µg/l	1.08 ± 0.213	1.18 ± 0.545	0.325	109	0.09
Sulfamethoxazole	µg/l	0.29 ± 0.0137	0.263 ± 0.119	0.0348	90.7	-0.11

Sample: AZ8B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	µg/l	8.27 ± 0.818	- ± -	0.992	-	-
4-Formylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	1.24 ± 0.0727	- ± -	0.0891	-	-
Acesulfame	µg/l	18.8 ± 1.44	- ± -	3.2	-	-
Amidotrizoic acid	µg/l	2.07 ± 0.268	- ± -	0.414	-	-
Atenolol	µg/l	1.17 ± 0.128	- ± -	0.246	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion Recovery [%]	En-Score
Benzotriazole	µg/l	10.6 ± 0.312	- ± -	1.27	-
Bisoprolol	µg/l	0.803 ± 0.059	- ± -	0.0779	-
Carbamazepine	µg/l	1.22 ± 0.0887	- ± -	0.158	-
Cyclamate	µg/l	0.622 ± 0.138	- ± -	0.168	-
Diazepam	µg/l	0.572 ± 0.0588	- ± -	0.0858	-
Diclofenac	µg/l	2.8 ± 0.158	- ± -	0.392	-
Ibuprofen	µg/l	3.45 ± 0.22	- ± -	0.345	-
Iopamidol	µg/l	31.7 ± 4.83	- ± -	8.86	-
Metoprolol	µg/l	1.09 ± 0.0751	- ± -	0.274	-
Saccharin	µg/l	21.9 ± 1.84	- ± -	4.81	-
Sotalol	µg/l	0.767 ± 0.0685	- ± -	0.169	-
Sucralose	µg/l	10.3 ± 2.31	- ± -	3.1	-
Sulfamethoxazole	µg/l	0.769 ± 0.043	- ± -	0.0922	-



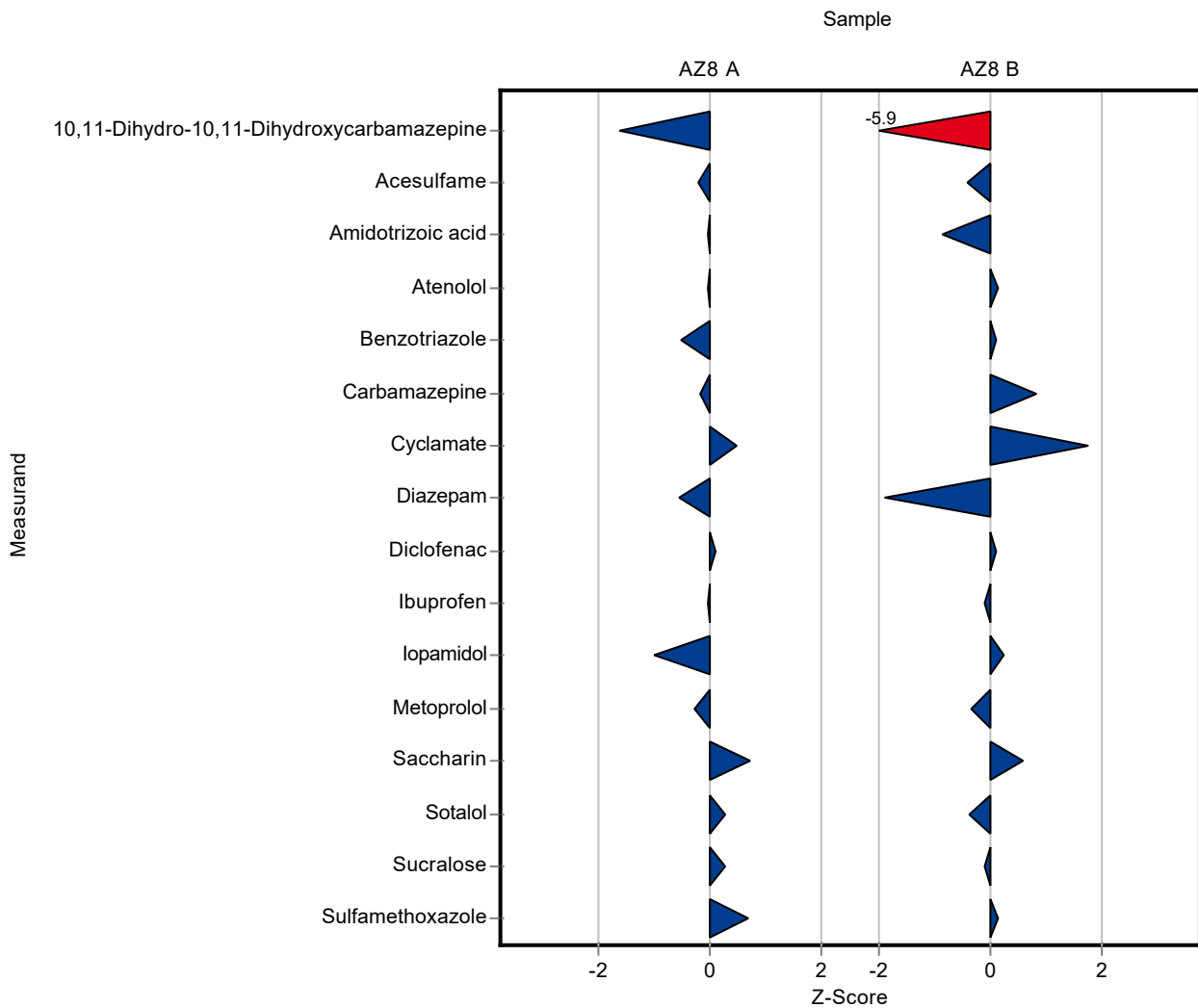
Sample: AZ8A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	µg/l	0.303 ± 0.0204	- ± -	0.0251	-	-
4-Formylaminoantipyrine	µg/l	0.459 ± 0.035	- ± -	0.0431	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	0.276 ± 0.025	0.223 ± 0.045	0.0332	80.7	-1.61
Acesulfame	µg/l	1.12 ± 0.0581	1.08 ± 0.27	0.19	96.7	-0.20
Amidotrizoic acid	µg/l	0.626 ± 0.0895	0.621 ± 0.124	0.157	99.2	-0.03
Atenolol	µg/l	0.457 ± 0.0445	0.453 ± 0.091	0.0868	99.2	-0.04
Benzotriazole	µg/l	0.695 ± 0.0439	0.65 ± 0.13	0.0833	93.6	-0.54
Bisoprolol	µg/l	0.0879 ± 0.00933	- ± -	0.0132	-	-
Carbamazepine	µg/l	0.761 ± 0.0485	0.742 ± 0.148	0.099	97.5	-0.20
Cyclamate	µg/l	0.912 ± 0.0795	0.976 ± 0.195	0.137	107	0.47
Diazepam	µg/l	0.595 ± 0.0559	0.548 ± 0.11	0.0833	92.1	-0.56
Diclofenac	µg/l	0.191 ± 0.0235	0.196 ± 0.039	0.0497	102	0.10
Ibuprofen	µg/l	0.141 ± 0.0143	0.14 ± 0.028	0.0225	99.6	-0.03
Iopamidol	µg/l	0.809 ± 0.0289	0.768 ± 0.154	0.0405	94.9	-1.02
Metoprolol	µg/l	0.318 ± 0.0247	0.294 ± 0.059	0.0794	92.6	-0.30
Saccharin	µg/l	0.514 ± 0.0512	0.593 ± 0.119	0.113	115	0.70
Sotalol	µg/l	0.148 ± 0.0207	0.157 ± 0.031	0.0326	106	0.28
Sucralose	µg/l	1.08 ± 0.213	1.17 ± 0.23	0.325	108	0.27
Sulfamethoxazole	µg/l	0.29 ± 0.0137	0.313 ± 0.063	0.0348	108	0.67

Sample: AZ8B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	µg/l	8.27 ± 0.818	- ± -	0.992	-	-
4-Formylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	1.24 ± 0.0727	0.71 ± 0.14	0.0891	57.4	-5.92
Acesulfame	µg/l	18.8 ± 1.44	17.5 ± 4.37	3.2	93	-0.41
Amidotrizoic acid	µg/l	2.07 ± 0.268	1.72 ± 0.34	0.414	83.2	-0.84
Atenolol	µg/l	1.17 ± 0.128	1.21 ± 0.24	0.246	103	0.15

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Benzotriazole	µg/l	10.6 ± 0.312	10.7 ± 2.15	1.27	101	0.11
Bisoprolol	µg/l	0.803 ± 0.059	- ± -	0.0779	-	-
Carbamazepine	µg/l	1.22 ± 0.0887	1.35 ± 0.27	0.158	111	0.84
Cyclamate	µg/l	0.622 ± 0.138	0.92 ± 0.184	0.168	148	1.77
Diazepam	µg/l	0.572 ± 0.0588	0.412 ± 0.082	0.0858	72	-1.86
Diclofenac	µg/l	2.8 ± 0.158	2.84 ± 0.57	0.392	101	0.10
Ibuprofen	µg/l	3.45 ± 0.22	3.41 ± 0.68	0.345	98.9	-0.11
Iopamidol	µg/l	31.7 ± 4.83	33.8 ± 6.77	8.86	107	0.24
Metoprolol	µg/l	1.09 ± 0.0751	1 ± 0.2	0.274	91.4	-0.34
Saccharin	µg/l	21.9 ± 1.84	24.7 ± 4.93	4.81	113	0.59
Sotalol	µg/l	0.767 ± 0.0685	0.702 ± 0.14	0.169	91.6	-0.38
Sucralose	µg/l	10.3 ± 2.31	10 ± 2	3.1	96.9	-0.10
Sulfamethoxazole	µg/l	0.769 ± 0.043	0.781 ± 0.156	0.0922	102	0.14



Sample: AZ8A

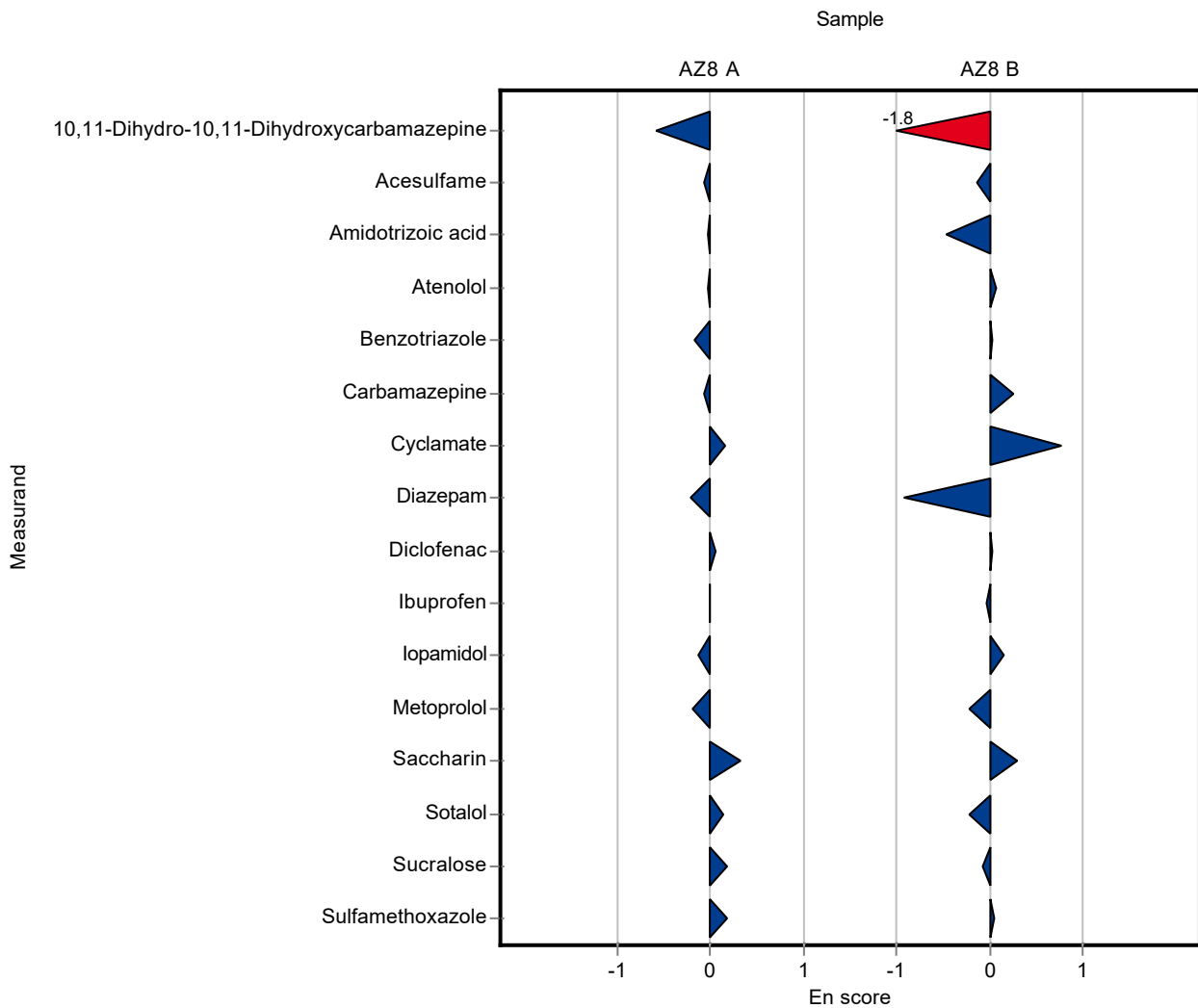
Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	µg/l	0.303 ± 0.0204	- ± -	0.0251	-	-
4-Formylaminoantipyrine	µg/l	0.459 ± 0.035	- ± -	0.0431	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	0.276 ± 0.025	0.223 ± 0.045	0.0332	80.7	-0.57
Acesulfame	µg/l	1.12 ± 0.0581	1.08 ± 0.27	0.19	96.7	-0.07
Amidotrizoic acid	µg/l	0.626 ± 0.0895	0.621 ± 0.124	0.157	99.2	-0.02
Atenolol	µg/l	0.457 ± 0.0445	0.453 ± 0.091	0.0868	99.2	-0.02
Benzotriazole	µg/l	0.695 ± 0.0439	0.65 ± 0.13	0.0833	93.6	-0.17
Bisoprolol	µg/l	0.0879 ± 0.00933	- ± -	0.0132	-	-
Carbamazepine	µg/l	0.761 ± 0.0485	0.742 ± 0.148	0.099	97.5	-0.06
Cyclamate	µg/l	0.912 ± 0.0795	0.976 ± 0.195	0.137	107	0.16
Diazepam	µg/l	0.595 ± 0.0559	0.548 ± 0.11	0.0833	92.1	-0.21
Diclofenac	µg/l	0.191 ± 0.0235	0.196 ± 0.039	0.0497	102	0.06
Ibuprofen	µg/l	0.141 ± 0.0143	0.14 ± 0.028	0.0225	99.6	-0.01
Iopamidol	µg/l	0.809 ± 0.0289	0.768 ± 0.154	0.0405	94.9	-0.13
Metoprolol	µg/l	0.318 ± 0.0247	0.294 ± 0.059	0.0794	92.6	-0.20
Saccharin	µg/l	0.514 ± 0.0512	0.593 ± 0.119	0.113	115	0.33
Sotalol	µg/l	0.148 ± 0.0207	0.157 ± 0.031	0.0326	106	0.14
Sucralose	µg/l	1.08 ± 0.213	1.17 ± 0.23	0.325	108	0.17
Sulfamethoxazole	µg/l	0.29 ± 0.0137	0.313 ± 0.063	0.0348	108	0.18

Sample: AZ8B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	µg/l	8.27 ± 0.818	- ± -	0.992	-	-
4-Formylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	1.24 ± 0.0727	0.71 ± 0.14	0.0891	57.4	-1.82
Acesulfame	µg/l	18.8 ± 1.44	17.5 ± 4.37	3.2	93	-0.15
Amidotrizoic acid	µg/l	2.07 ± 0.268	1.72 ± 0.34	0.414	83.2	-0.48
Atenolol	µg/l	1.17 ± 0.128	1.21 ± 0.24	0.246	103	0.07

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Benzotriazole	µg/l	10.6 ± 0.312	10.7 ± 2.15	1.27	101	0.03
Bisoprolol	µg/l	0.803 ± 0.059	- ± -	0.0779	-	-
Carbamazepine	µg/l	1.22 ± 0.0887	1.35 ± 0.27	0.158	111	0.24
Cyclamate	µg/l	0.622 ± 0.138	0.92 ± 0.184	0.168	148	0.76
Diazepam	µg/l	0.572 ± 0.0588	0.412 ± 0.082	0.0858	72	-0.92
Diclofenac	µg/l	2.8 ± 0.158	2.84 ± 0.57	0.392	101	0.03
Ibuprofen	µg/l	3.45 ± 0.22	3.41 ± 0.68	0.345	98.9	-0.03
Iopamidol	µg/l	31.7 ± 4.83	33.8 ± 6.77	8.86	107	0.15
Metoprolol	µg/l	1.09 ± 0.0751	1 ± 0.2	0.274	91.4	-0.23
Saccharin	µg/l	21.9 ± 1.84	24.7 ± 4.93	4.81	113	0.28
Sotalol	µg/l	0.767 ± 0.0685	0.702 ± 0.14	0.169	91.6	-0.23
Sucralose	µg/l	10.3 ± 2.31	10 ± 2	3.1	96.9	-0.07
Sulfamethoxazole	µg/l	0.769 ± 0.043	0.781 ± 0.156	0.0922	102	0.04





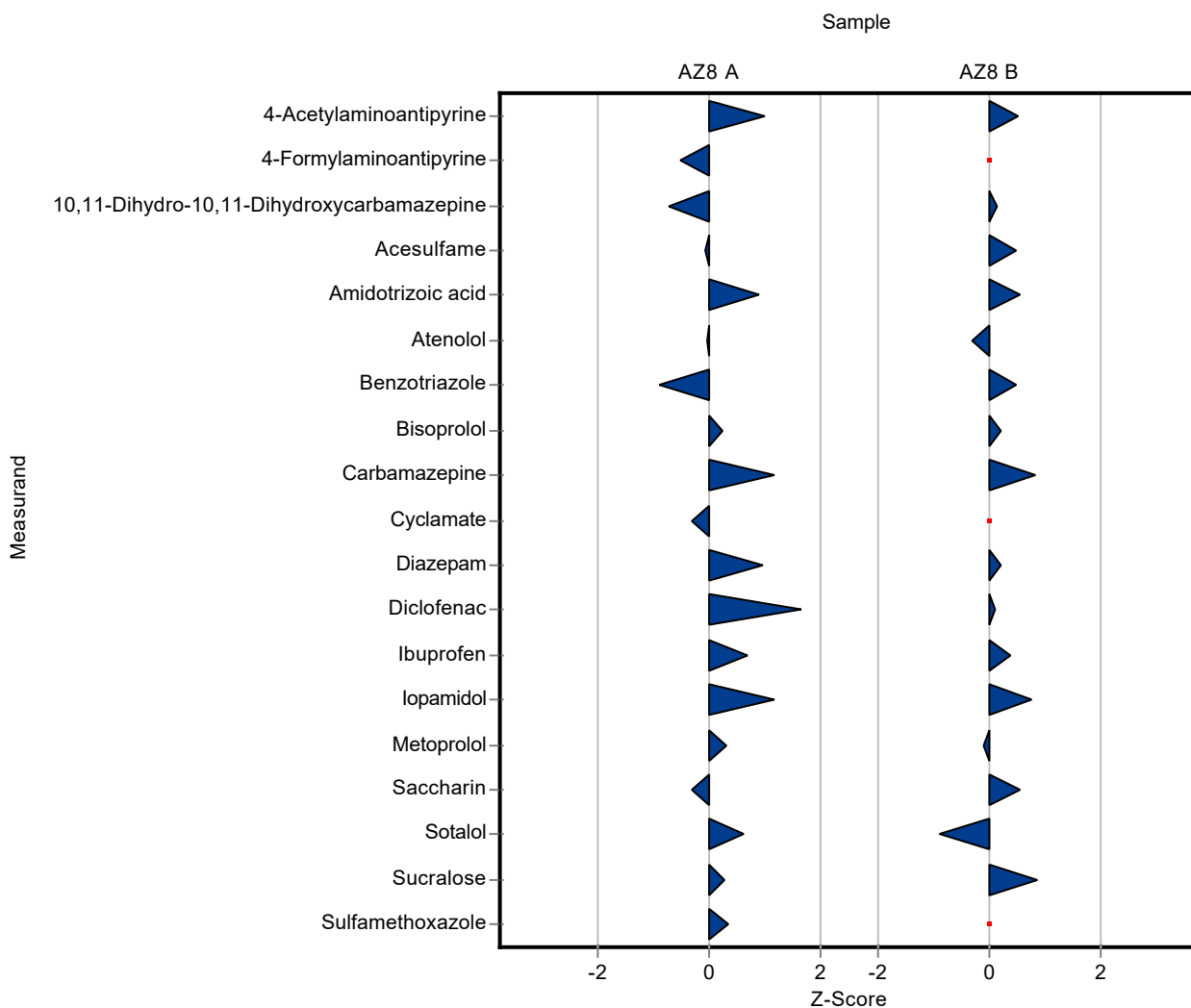
Sample: AZ8A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	µg/l	0.303 ± 0.0204	0.328 ± 0.0656	0.0251	108	1.00
4-Formylaminoantipyrine	µg/l	0.459 ± 0.035	0.437 ± 0.0874	0.0431	95.3	-0.51
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	0.276 ± 0.025	0.252 ± 0.0504	0.0332	91.2	-0.73
Acesulfame	µg/l	1.12 ± 0.0581	1.1 ± 0.22	0.19	98.4	-0.09
Amidotrizoic acid	µg/l	0.626 ± 0.0895	0.767 ± 0.153	0.157	122	0.90
Atenolol	µg/l	0.457 ± 0.0445	0.453 ± 0.0906	0.0868	99.2	-0.04
Benzotriazole	µg/l	0.695 ± 0.0439	0.621 ± 0.124	0.0833	89.4	-0.88
Bisoprolol	µg/l	0.0879 ± 0.00933	0.091 ± 0.0182	0.0132	104	0.24
Carbamazepine	µg/l	0.761 ± 0.0485	0.875 ± 0.175	0.099	115	1.15
Cyclamate	µg/l	0.912 ± 0.0795	0.87 ± 0.174	0.137	95.4	-0.31
Diazepam	µg/l	0.595 ± 0.0559	0.673 ± 0.1346	0.0833	113	0.94
Diclofenac	µg/l	0.191 ± 0.0235	0.273 ± 0.0546	0.0497	143	1.64
Ibuprofen	µg/l	0.141 ± 0.0143	0.156 ± 0.0312	0.0225	111	0.69
Iopamidol	µg/l	0.809 ± 0.0289	0.856 ± 0.171	0.0405	106	1.16
Metoprolol	µg/l	0.318 ± 0.0247	0.342 ± 0.0684	0.0794	108	0.31
Saccharin	µg/l	0.514 ± 0.0512	0.478 ± 0.0956	0.113	93	-0.32
Sotalol	µg/l	0.148 ± 0.0207	0.168 ± 0.0336	0.0326	114	0.61
Sucralose	µg/l	1.08 ± 0.213	1.17 ± 0.234	0.325	108	0.27
Sulfamethoxazole	µg/l	0.29 ± 0.0137	0.301 ± 0.0602	0.0348	104	0.32

Sample: AZ8B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	µg/l	8.27 ± 0.818	8.78 ± 1.756	0.992	106	0.52
4-Formylaminoantipyrine	µg/l	- ± -	4.77 ± 0.954	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	1.24 ± 0.0727	1.25 ± 0.25	0.0891	101	0.14
Acesulfame	µg/l	18.8 ± 1.44	20.4 ± 4.08	3.2	108	0.50
Amidotrizoic acid	µg/l	2.07 ± 0.268	2.3 ± 0.46	0.414	111	0.56
Atenolol	µg/l	1.17 ± 0.128	1.1 ± 0.22	0.246	93.8	-0.30

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Benzotriazole	µg/l	10.6 ± 0.312	11.2 ± 2.24	1.27	106	0.50
Bisoprolol	µg/l	0.803 ± 0.059	0.82 ± 0.164	0.0779	102	0.21
Carbamazepine	µg/l	1.22 ± 0.0887	1.35 ± 0.27	0.158	111	0.84
Cyclamate	µg/l	0.622 ± 0.138	<0.5 (LOQ) ± -	0.168	-	-
Diazepam	µg/l	0.572 ± 0.0588	0.591 ± 0.118	0.0858	103	0.22
Diclofenac	µg/l	2.8 ± 0.158	2.84 ± 0.568	0.392	101	0.10
Ibuprofen	µg/l	3.45 ± 0.22	3.58 ± 0.716	0.345	104	0.38
Iopamidol	µg/l	31.7 ± 4.83	38.4 ± 7.68	8.86	121	0.76
Metoprolol	µg/l	1.09 ± 0.0751	1.07 ± 0.214	0.274	97.8	-0.09
Saccharin	µg/l	21.9 ± 1.84	24.5 ± 4.9	4.81	112	0.55
Sotalol	µg/l	0.767 ± 0.0685	0.615 ± 0.123	0.169	80.2	-0.90
Sucralose	µg/l	10.3 ± 2.31	13 ± 2.6	3.1	126	0.87
Sulfamethoxazole	µg/l	0.769 ± 0.043	<0.1 (LOQ) ± -	0.0922	-	-



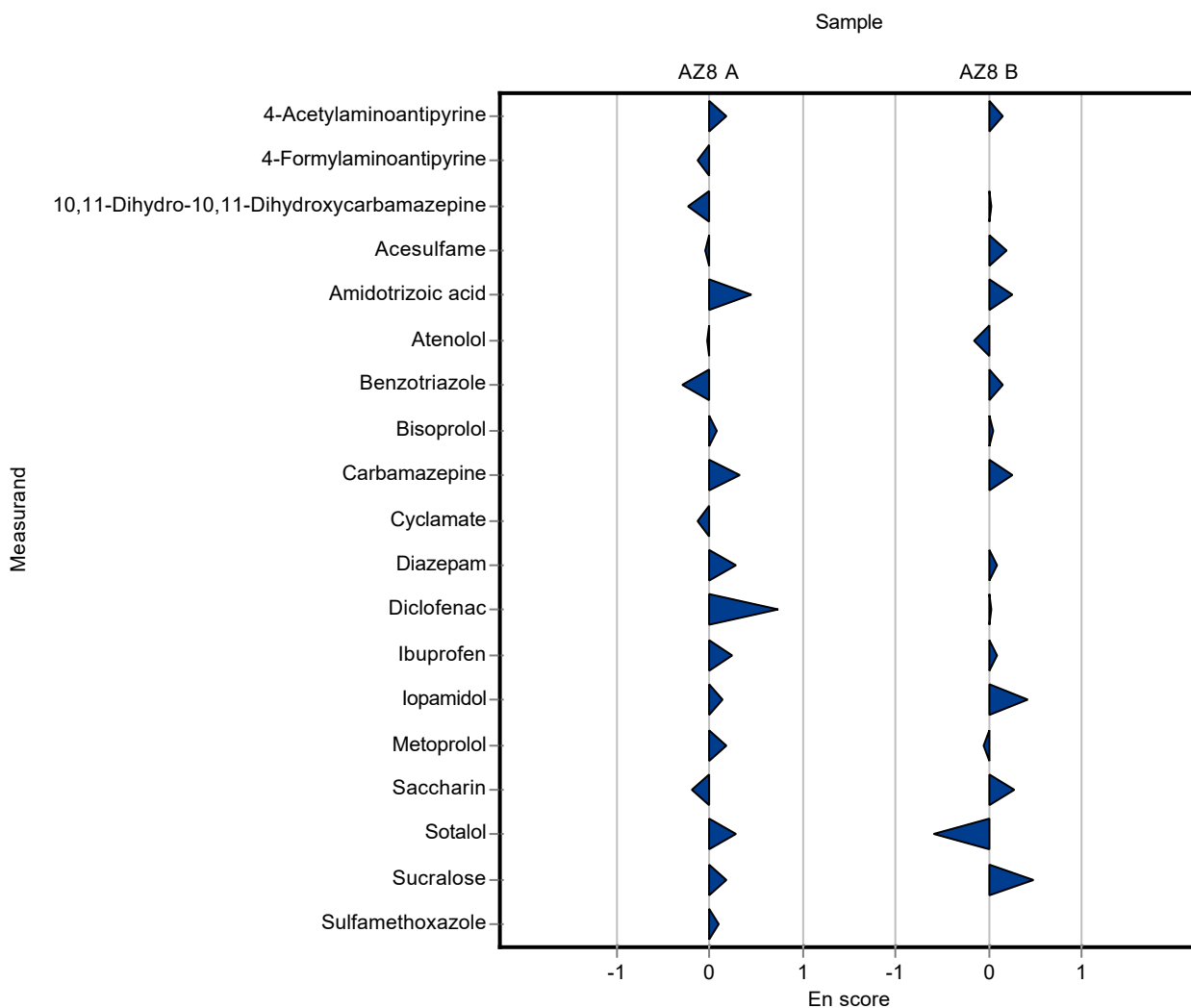
Sample: AZ8A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	µg/l	0.303 ± 0.0204	0.328 ± 0.0656	0.0251	108	0.19
4-Formylaminoantipyrine	µg/l	0.459 ± 0.035	0.437 ± 0.0874	0.0431	95.3	-0.12
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	0.276 ± 0.025	0.252 ± 0.0504	0.0332	91.2	-0.23
Acesulfame	µg/l	1.12 ± 0.0581	1.1 ± 0.22	0.19	98.4	-0.04
Amidotrizoic acid	µg/l	0.626 ± 0.0895	0.767 ± 0.153	0.157	122	0.44
Atenolol	µg/l	0.457 ± 0.0445	0.453 ± 0.0906	0.0868	99.2	-0.02
Benzotriazole	µg/l	0.695 ± 0.0439	0.621 ± 0.124	0.0833	89.4	-0.29
Bisoprolol	µg/l	0.0879 ± 0.00933	0.091 ± 0.0182	0.0132	104	0.08
Carbamazepine	µg/l	0.761 ± 0.0485	0.875 ± 0.175	0.099	115	0.32
Cyclamate	µg/l	0.912 ± 0.0795	0.87 ± 0.174	0.137	95.4	-0.12
Diazepam	µg/l	0.595 ± 0.0559	0.673 ± 0.1346	0.0833	113	0.28
Diclofenac	µg/l	0.191 ± 0.0235	0.273 ± 0.0546	0.0497	143	0.73
Ibuprofen	µg/l	0.141 ± 0.0143	0.156 ± 0.0312	0.0225	111	0.24
Iopamidol	µg/l	0.809 ± 0.0289	0.856 ± 0.171	0.0405	106	0.14
Metoprolol	µg/l	0.318 ± 0.0247	0.342 ± 0.0684	0.0794	108	0.18
Saccharin	µg/l	0.514 ± 0.0512	0.478 ± 0.0956	0.113	93	-0.18
Sotalol	µg/l	0.148 ± 0.0207	0.168 ± 0.0336	0.0326	114	0.28
Sucralose	µg/l	1.08 ± 0.213	1.17 ± 0.234	0.325	108	0.17
Sulfamethoxazole	µg/l	0.29 ± 0.0137	0.301 ± 0.0602	0.0348	104	0.09

Sample: AZ8B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	µg/l	8.27 ± 0.818	8.78 ± 1.756	0.992	106	0.14
4-Formylaminoantipyrine	µg/l	- ± -	4.77 ± 0.954	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	1.24 ± 0.0727	1.25 ± 0.25	0.0891	101	0.03
Acesulfame	µg/l	18.8 ± 1.44	20.4 ± 4.08	3.2	108	0.19
Amidotrizoic acid	µg/l	2.07 ± 0.268	2.3 ± 0.46	0.414	111	0.24
Atenolol	µg/l	1.17 ± 0.128	1.1 ± 0.22	0.246	93.8	-0.16

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Benzotriazole	µg/l	10.6 ± 0.312	11.2 ± 2.24	1.27	106	0.14
Bisoprolol	µg/l	0.803 ± 0.059	0.82 ± 0.164	0.0779	102	0.05
Carbamazepine	µg/l	1.22 ± 0.0887	1.35 ± 0.27	0.158	111	0.24
Cyclamate	µg/l	0.622 ± 0.138	<0.5 (LOQ) ± -	0.168	-	-
Diazepam	µg/l	0.572 ± 0.0588	0.591 ± 0.118	0.0858	103	0.08
Diclofenac	µg/l	2.8 ± 0.158	2.84 ± 0.568	0.392	101	0.03
Ibuprofen	µg/l	3.45 ± 0.22	3.58 ± 0.716	0.345	104	0.09
Iopamidol	µg/l	31.7 ± 4.83	38.4 ± 7.68	8.86	121	0.42
Metoprolol	µg/l	1.09 ± 0.0751	1.07 ± 0.214	0.274	97.8	-0.06
Saccharin	µg/l	21.9 ± 1.84	24.5 ± 4.9	4.81	112	0.27
Sotalol	µg/l	0.767 ± 0.0685	0.615 ± 0.123	0.169	80.2	-0.59
Sucralose	µg/l	10.3 ± 2.31	13 ± 2.6	3.1	126	0.47
Sulfamethoxazole	µg/l	0.769 ± 0.043	<0.1 (LOQ) ± -	0.0922	-	-



Sample: AZ8A

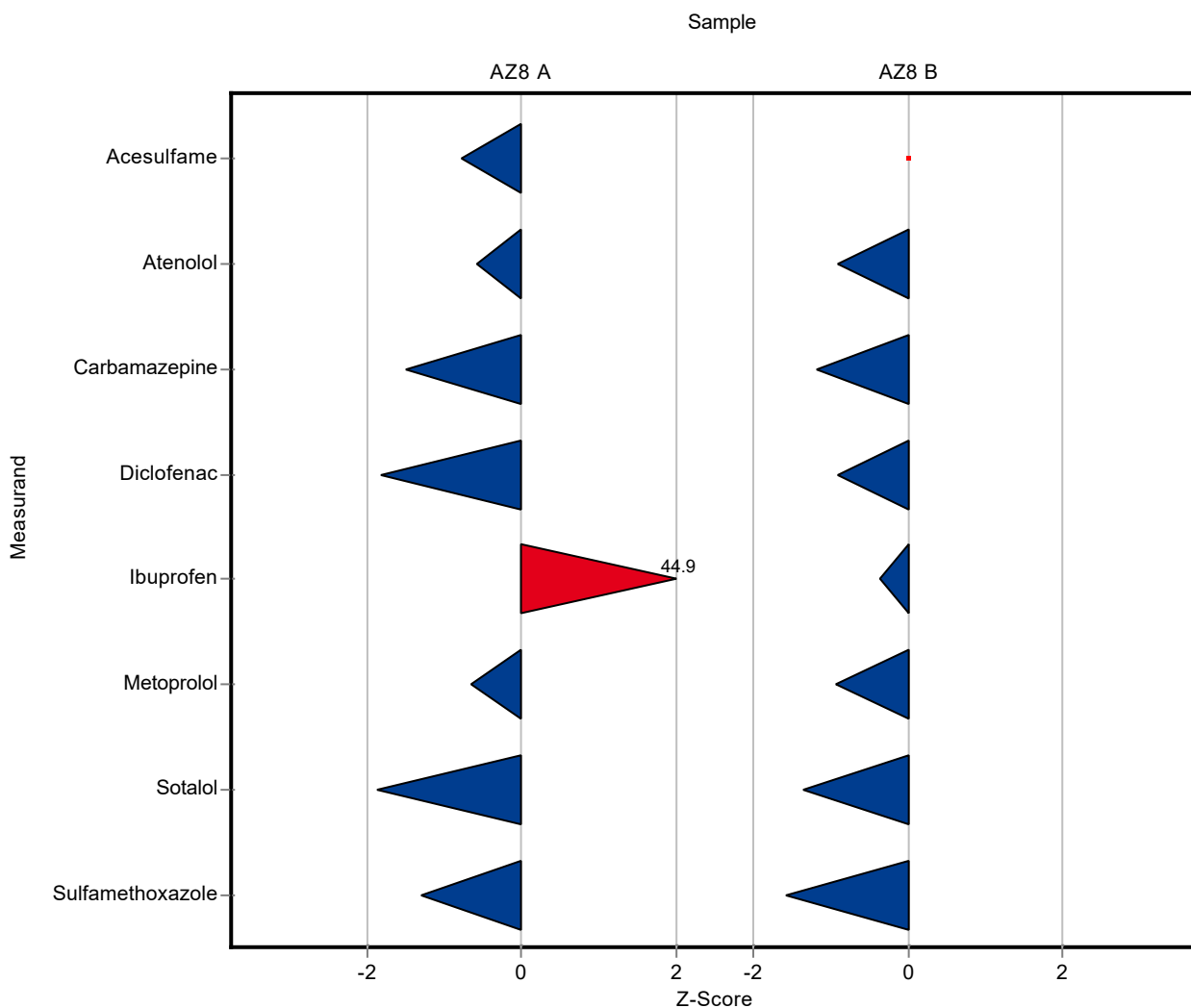
Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	µg/l	0.303 ± 0.0204	- ± -	0.0251	-	-
4-Formylaminoantipyrine	µg/l	0.459 ± 0.035	- ± -	0.0431	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	0.276 ± 0.025	- ± -	0.0332	-	-
Acesulfame	µg/l	1.12 ± 0.0581	0.972 ± 0.3	0.19	87	-0.77
Amidotrizoic acid	µg/l	0.626 ± 0.0895	- ± -	0.157	-	-
Atenolol	µg/l	0.457 ± 0.0445	0.407 ± 0.15	0.0868	89.1	-0.57
Benzotriazole	µg/l	0.695 ± 0.0439	- ± -	0.0833	-	-
Bisoprolol	µg/l	0.0879 ± 0.00933	- ± -	0.0132	-	-
Carbamazepine	µg/l	0.761 ± 0.0485	0.614 ± 0.2	0.099	80.7	-1.49
Cyclamate	µg/l	0.912 ± 0.0795	- ± -	0.137	-	-
Diazepam	µg/l	0.595 ± 0.0559	- ± -	0.0833	-	-
Diclofenac	µg/l	0.191 ± 0.0235	0.101 ± 0.03	0.0497	52.8	-1.82
Ibuprofen	µg/l	0.141 ± 0.0143	1.15 ± 0.3	0.0225	818	44.90
Iopamidol	µg/l	0.809 ± 0.0289	- ± -	0.0405	-	-
Metoprolol	µg/l	0.318 ± 0.0247	0.266 ± 0.1	0.0794	83.8	-0.65
Saccharin	µg/l	0.514 ± 0.0512	- ± -	0.113	-	-
Sotalol	µg/l	0.148 ± 0.0207	0.087 ± 0.03	0.0326	58.8	-1.87
Sucralose	µg/l	1.08 ± 0.213	- ± -	0.325	-	-
Sulfamethoxazole	µg/l	0.29 ± 0.0137	0.245 ± 0.1	0.0348	84.5	-1.29

Sample: AZ8B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	µg/l	8.27 ± 0.818	- ± -	0.992	-	-
4-Formylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	1.24 ± 0.0727	- ± -	0.0891	-	-
Acesulfame	µg/l	18.8 ± 1.44	- ± -	3.2	-	-
Amidotrizoic acid	µg/l	2.07 ± 0.268	- ± -	0.414	-	-
Atenolol	µg/l	1.17 ± 0.128	0.946 ± 0.3	0.246	80.6	-0.92



Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Benzotriazole	µg/l	10.6 ± 0.312	- ± -	1.27	-	-
Bisoprolol	µg/l	0.803 ± 0.059	- ± -	0.0779	-	-
Carbamazepine	µg/l	1.22 ± 0.0887	1.03 ± 0.3	0.158	84.6	-1.18
Cyclamate	µg/l	0.622 ± 0.138	- ± -	0.168	-	-
Diazepam	µg/l	0.572 ± 0.0588	- ± -	0.0858	-	-
Diclofenac	µg/l	2.8 ± 0.158	2.44 ± 0.7	0.392	87.1	-0.92
Ibuprofen	µg/l	3.45 ± 0.22	3.32 ± 0.7	0.345	96.3	-0.37
Iopamidol	µg/l	31.7 ± 4.83	- ± -	8.86	-	-
Metoprolol	µg/l	1.09 ± 0.0751	0.841 ± 0.3	0.274	76.9	-0.93
Saccharin	µg/l	21.9 ± 1.84	- ± -	4.81	-	-
Sotalol	µg/l	0.767 ± 0.0685	0.539 ± 0.2	0.169	70.3	-1.35
Sucralose	µg/l	10.3 ± 2.31	- ± -	3.1	-	-
Sulfamethoxazole	µg/l	0.769 ± 0.043	0.622 ± 0.2	0.0922	80.9	-1.59



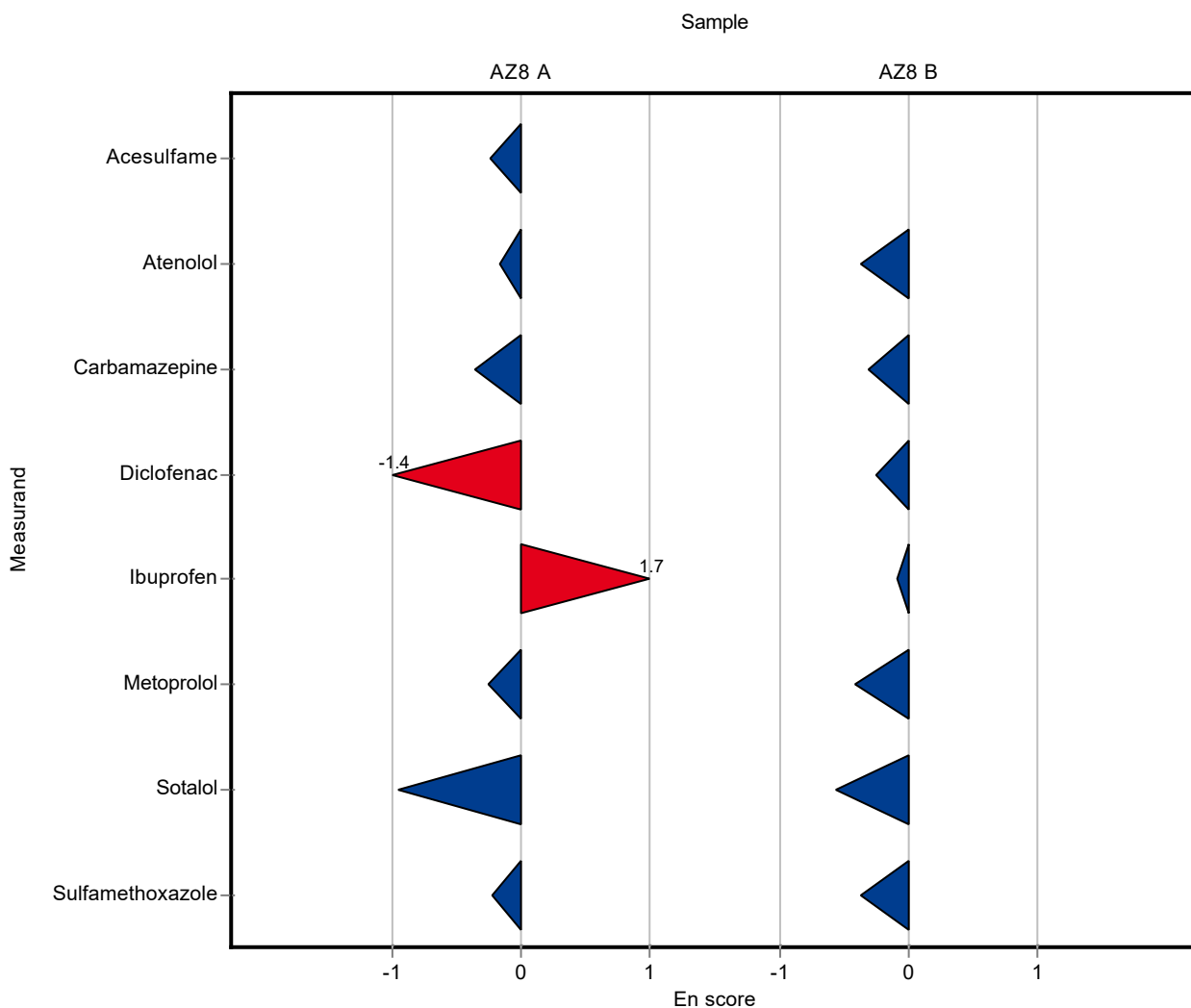
Sample: AZ8A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	µg/l	0.303 ± 0.0204	- ± -	0.0251	-	-
4-Formylaminoantipyrine	µg/l	0.459 ± 0.035	- ± -	0.0431	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	0.276 ± 0.025	- ± -	0.0332	-	-
Acesulfame	µg/l	1.12 ± 0.0581	0.972 ± 0.3	0.19	87	-0.24
Amidotrizoic acid	µg/l	0.626 ± 0.0895	- ± -	0.157	-	-
Atenolol	µg/l	0.457 ± 0.0445	0.407 ± 0.15	0.0868	89.1	-0.16
Benzotriazole	µg/l	0.695 ± 0.0439	- ± -	0.0833	-	-
Bisoprolol	µg/l	0.0879 ± 0.00933	- ± -	0.0132	-	-
Carbamazepine	µg/l	0.761 ± 0.0485	0.614 ± 0.2	0.099	80.7	-0.37
Cyclamate	µg/l	0.912 ± 0.0795	- ± -	0.137	-	-
Diazepam	µg/l	0.595 ± 0.0559	- ± -	0.0833	-	-
Diclofenac	µg/l	0.191 ± 0.0235	0.101 ± 0.03	0.0497	52.8	-1.40
Ibuprofen	µg/l	0.141 ± 0.0143	1.15 ± 0.3	0.0225	818	1.68
Iopamidol	µg/l	0.809 ± 0.0289	- ± -	0.0405	-	-
Metoprolol	µg/l	0.318 ± 0.0247	0.266 ± 0.1	0.0794	83.8	-0.26
Saccharin	µg/l	0.514 ± 0.0512	- ± -	0.113	-	-
Sotalol	µg/l	0.148 ± 0.0207	0.087 ± 0.03	0.0326	58.8	-0.96
Sucralose	µg/l	1.08 ± 0.213	- ± -	0.325	-	-
Sulfamethoxazole	µg/l	0.29 ± 0.0137	0.245 ± 0.1	0.0348	84.5	-0.22

Sample: AZ8B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	µg/l	8.27 ± 0.818	- ± -	0.992	-	-
4-Formylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	1.24 ± 0.0727	- ± -	0.0891	-	-
Acesulfame	µg/l	18.8 ± 1.44	- ± -	3.2	-	-
Amidotrizoic acid	µg/l	2.07 ± 0.268	- ± -	0.414	-	-
Atenolol	µg/l	1.17 ± 0.128	0.946 ± 0.3	0.246	80.6	-0.37

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Benzotriazole	µg/l	10.6 ± 0.312	- ± -	1.27	-	-
Bisoprolol	µg/l	0.803 ± 0.059	- ± -	0.0779	-	-
Carbamazepine	µg/l	1.22 ± 0.0887	1.03 ± 0.3	0.158	84.6	-0.31
Cyclamate	µg/l	0.622 ± 0.138	- ± -	0.168	-	-
Diazepam	µg/l	0.572 ± 0.0588	- ± -	0.0858	-	-
Diclofenac	µg/l	2.8 ± 0.158	2.44 ± 0.7	0.392	87.1	-0.26
Ibuprofen	µg/l	3.45 ± 0.22	3.32 ± 0.7	0.345	96.3	-0.09
Iopamidol	µg/l	31.7 ± 4.83	- ± -	8.86	-	-
Metoprolol	µg/l	1.09 ± 0.0751	0.841 ± 0.3	0.274	76.9	-0.42
Saccharin	µg/l	21.9 ± 1.84	- ± -	4.81	-	-
Sotalol	µg/l	0.767 ± 0.0685	0.539 ± 0.2	0.169	70.3	-0.56
Sucralose	µg/l	10.3 ± 2.31	- ± -	3.1	-	-
Sulfamethoxazole	µg/l	0.769 ± 0.043	0.622 ± 0.2	0.0922	80.9	-0.36



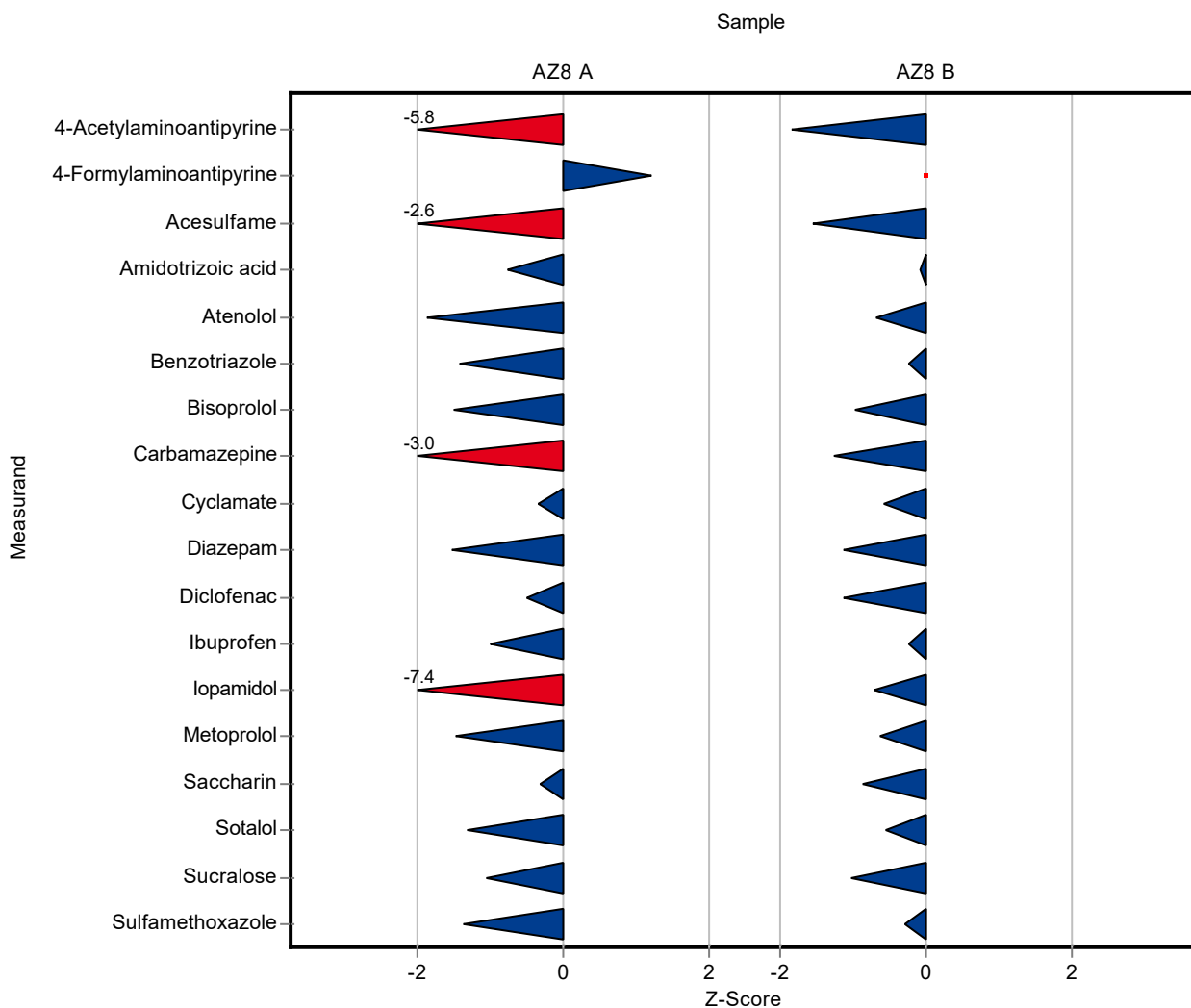
Sample: AZ8A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	µg/l	0.303 ± 0.0204	0.157 ± 0.055	0.0251	51.8	-5.80
4-Formylaminoantipyrine	µg/l	0.459 ± 0.035	0.511 ± 0.179	0.0431	111	1.21
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	0.276 ± 0.025	- ± -	0.0332	-	-
Acesulfame	µg/l	1.12 ± 0.0581	0.624 ± 0.218	0.19	55.8	-2.60
Amidotrizoic acid	µg/l	0.626 ± 0.0895	0.505 ± 0.177	0.157	80.7	-0.77
Atenolol	µg/l	0.457 ± 0.0445	0.295 ± 0.089	0.0868	64.6	-1.86
Benzotriazole	µg/l	0.695 ± 0.0439	0.575 ± 0.201	0.0833	82.8	-1.43
Bisoprolol	µg/l	0.0879 ± 0.00933	0.068 ± 0.024	0.0132	77.4	-1.51
Carbamazepine	µg/l	0.761 ± 0.0485	0.469 ± 0.141	0.099	61.6	-2.95
Cyclamate	µg/l	0.912 ± 0.0795	0.865 ± 0.303	0.137	94.9	-0.34
Diazepam	µg/l	0.595 ± 0.0559	0.468 ± 0.164	0.0833	78.7	-1.52
Diclofenac	µg/l	0.191 ± 0.0235	0.166 ± 0.05	0.0497	86.8	-0.51
Ibuprofen	µg/l	0.141 ± 0.0143	0.118 ± 0.041	0.0225	83.9	-1.00
Iopamidol	µg/l	0.809 ± 0.0289	0.508 ± 0.178	0.0405	62.8	-7.44
Metoprolol	µg/l	0.318 ± 0.0247	0.201 ± 0.07	0.0794	63.3	-1.47
Saccharin	µg/l	0.514 ± 0.0512	0.479 ± 0.168	0.113	93.2	-0.31
Sotalol	µg/l	0.148 ± 0.0207	0.105 ± 0.037	0.0326	71	-1.32
Sucralose	µg/l	1.08 ± 0.213	0.738 ± 0.258	0.325	68.2	-1.06
Sulfamethoxazole	µg/l	0.29 ± 0.0137	0.242 ± 0.073	0.0348	83.5	-1.38

Sample: AZ8B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	µg/l	8.27 ± 0.818	6.424 ± 2.248	0.992	77.7	-1.86
4-Formylaminoantipyrine	µg/l	- ± -	7.86 ± 2.751	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	1.24 ± 0.0727	- ± -	0.0891	-	-
Acesulfame	µg/l	18.8 ± 1.44	13.797 ± 4.829	3.2	73.3	-1.57
Amidotrizoic acid	µg/l	2.07 ± 0.268	2.03 ± 0.711	0.414	98.1	-0.09
Atenolol	µg/l	1.17 ± 0.128	1.006 ± 0.302	0.246	85.8	-0.68

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Benzotriazole	µg/l	10.6 ± 0.312	10.267 ± 3.593	1.27	97.2	-0.24
Bisoprolol	µg/l	0.803 ± 0.059	0.727 ± 0.254	0.0779	90.5	-0.98
Carbamazepine	µg/l	1.22 ± 0.0887	1.015 ± 0.305	0.158	83.4	-1.28
Cyclamate	µg/l	0.622 ± 0.138	0.522 ± 0.183	0.168	83.9	-0.59
Diazepam	µg/l	0.572 ± 0.0588	0.475 ± 0.166	0.0858	83	-1.13
Diclofenac	µg/l	2.8 ± 0.158	2.358 ± 0.707	0.392	84.2	-1.13
Ibuprofen	µg/l	3.45 ± 0.22	3.366 ± 1.178	0.345	97.6	-0.24
lopamidol	µg/l	31.7 ± 4.83	25.322 ± 8.863	8.86	80	-0.71
Metoprolol	µg/l	1.09 ± 0.0751	0.918 ± 0.321	0.274	83.9	-0.64
Saccharin	µg/l	21.9 ± 1.84	17.586 ± 6.155	4.81	80.5	-0.89
Sotalol	µg/l	0.767 ± 0.0685	0.671 ± 0.235	0.169	87.5	-0.57
Sucralose	µg/l	10.3 ± 2.31	7.089 ± 2.481	3.1	68.7	-1.04
Sulfamethoxazole	µg/l	0.769 ± 0.043	0.742 ± 0.223	0.0922	96.5	-0.29





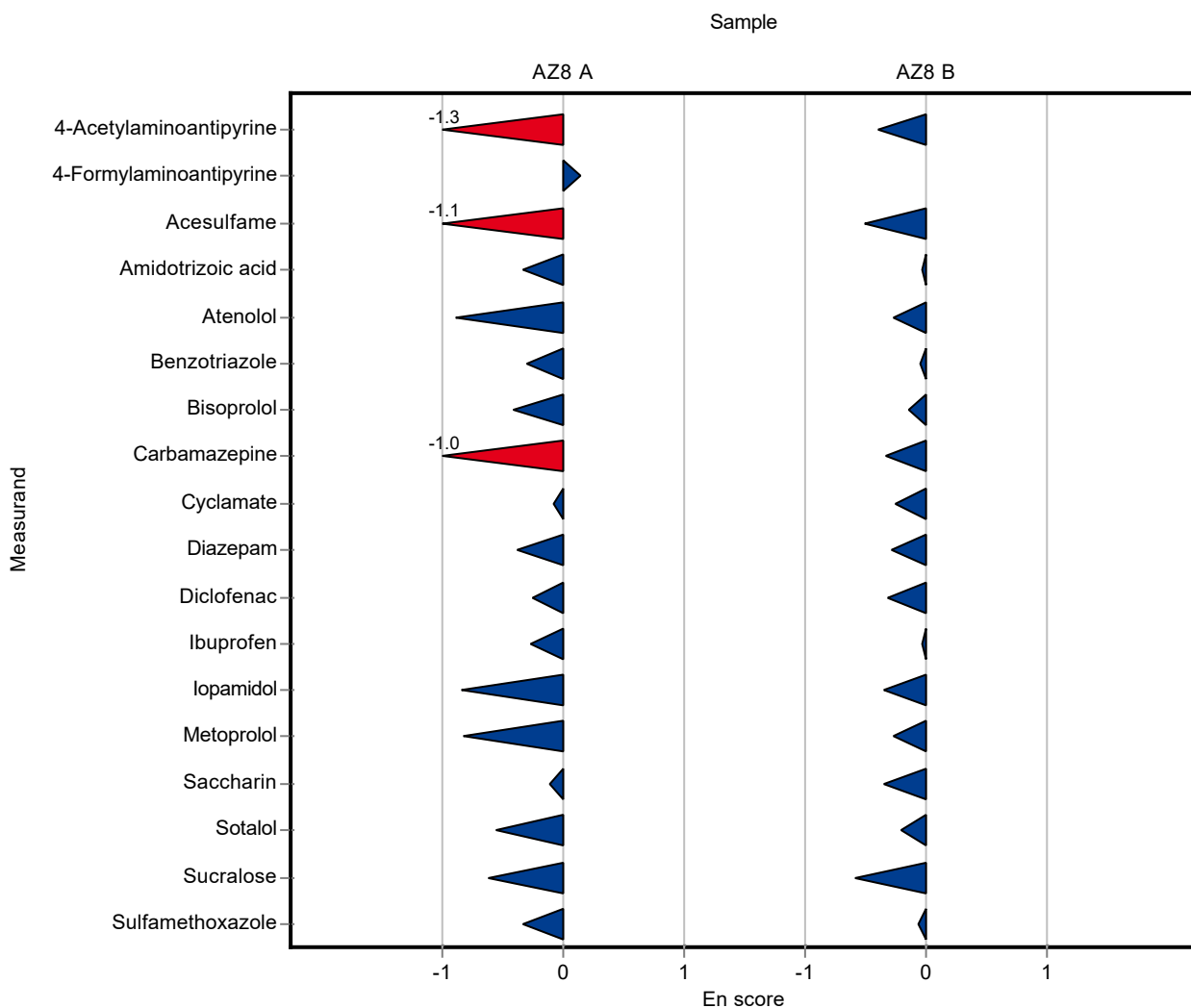
Sample: AZ8A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	µg/l	0.303 ± 0.0204	0.157 ± 0.055	0.0251	51.8	-1.30
4-Formylaminoantipyrine	µg/l	0.459 ± 0.035	0.511 ± 0.179	0.0431	111	0.14
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	0.276 ± 0.025	- ± -	0.0332	-	-
Acesulfame	µg/l	1.12 ± 0.0581	0.624 ± 0.218	0.19	55.8	-1.12
Amidotrizoic acid	µg/l	0.626 ± 0.0895	0.505 ± 0.177	0.157	80.7	-0.33
Atenolol	µg/l	0.457 ± 0.0445	0.295 ± 0.089	0.0868	64.6	-0.88
Benzotriazole	µg/l	0.695 ± 0.0439	0.575 ± 0.201	0.0833	82.8	-0.30
Bisoprolol	µg/l	0.0879 ± 0.00933	0.068 ± 0.024	0.0132	77.4	-0.41
Carbamazepine	µg/l	0.761 ± 0.0485	0.469 ± 0.141	0.099	61.6	-1.02
Cyclamate	µg/l	0.912 ± 0.0795	0.865 ± 0.303	0.137	94.9	-0.08
Diazepam	µg/l	0.595 ± 0.0559	0.468 ± 0.164	0.0833	78.7	-0.38
Diclofenac	µg/l	0.191 ± 0.0235	0.166 ± 0.05	0.0497	86.8	-0.25
Ibuprofen	µg/l	0.141 ± 0.0143	0.118 ± 0.041	0.0225	83.9	-0.27
Iopamidol	µg/l	0.809 ± 0.0289	0.508 ± 0.178	0.0405	62.8	-0.84
Metoprolol	µg/l	0.318 ± 0.0247	0.201 ± 0.07	0.0794	63.3	-0.82
Saccharin	µg/l	0.514 ± 0.0512	0.479 ± 0.168	0.113	93.2	-0.10
Sotalol	µg/l	0.148 ± 0.0207	0.105 ± 0.037	0.0326	71	-0.56
Sucralose	µg/l	1.08 ± 0.213	0.738 ± 0.258	0.325	68.2	-0.62
Sulfamethoxazole	µg/l	0.29 ± 0.0137	0.242 ± 0.073	0.0348	83.5	-0.33

Sample: AZ8B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	µg/l	8.27 ± 0.818	6.424 ± 2.248	0.992	77.7	-0.40
4-Formylaminoantipyrine	µg/l	- ± -	7.86 ± 2.751	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	1.24 ± 0.0727	- ± -	0.0891	-	-
Acesulfame	µg/l	18.8 ± 1.44	13.797 ± 4.829	3.2	73.3	-0.51
Amidotrizoic acid	µg/l	2.07 ± 0.268	2.03 ± 0.711	0.414	98.1	-0.03
Atenolol	µg/l	1.17 ± 0.128	1.006 ± 0.302	0.246	85.8	-0.27

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Benzotriazole	µg/l	10.6 ± 0.312	10.267 ± 3.593	1.27	97.2	-0.04
Bisoprolol	µg/l	0.803 ± 0.059	0.727 ± 0.254	0.0779	90.5	-0.15
Carbamazepine	µg/l	1.22 ± 0.0887	1.015 ± 0.305	0.158	83.4	-0.33
Cyclamate	µg/l	0.622 ± 0.138	0.522 ± 0.183	0.168	83.9	-0.26
Diazepam	µg/l	0.572 ± 0.0588	0.475 ± 0.166	0.0858	83	-0.29
Diclofenac	µg/l	2.8 ± 0.158	2.358 ± 0.707	0.392	84.2	-0.31
Ibuprofen	µg/l	3.45 ± 0.22	3.366 ± 1.178	0.345	97.6	-0.03
Iopamidol	µg/l	31.7 ± 4.83	25.322 ± 8.863	8.86	80	-0.34
Metoprolol	µg/l	1.09 ± 0.0751	0.918 ± 0.321	0.274	83.9	-0.27
Saccharin	µg/l	21.9 ± 1.84	17.586 ± 6.155	4.81	80.5	-0.34
Sotalol	µg/l	0.767 ± 0.0685	0.671 ± 0.235	0.169	87.5	-0.20
Sucralose	µg/l	10.3 ± 2.31	7.089 ± 2.481	3.1	68.7	-0.59
Sulfamethoxazole	µg/l	0.769 ± 0.043	0.742 ± 0.223	0.0922	96.5	-0.06



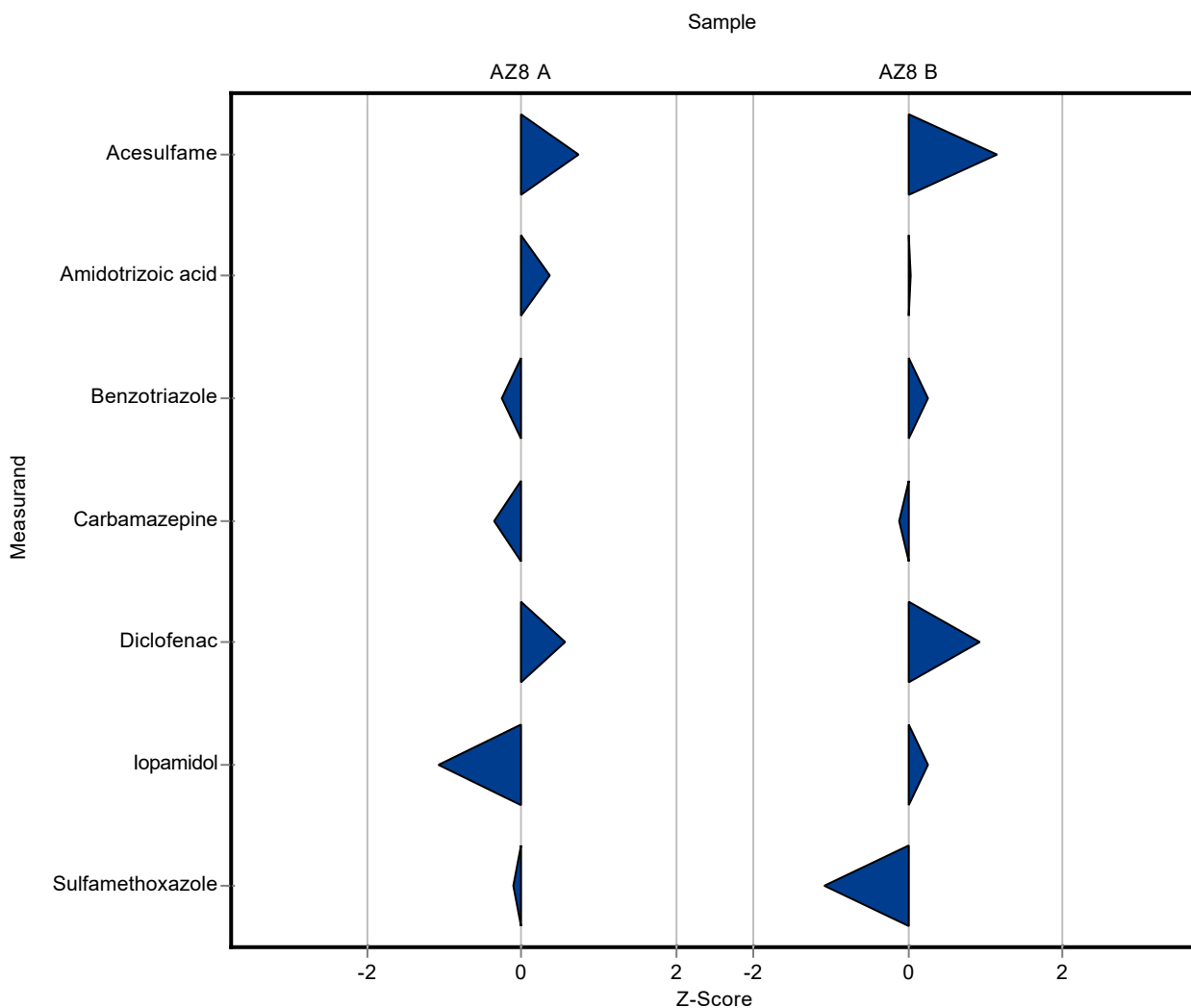
Sample: AZ8A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	µg/l	0.303 ± 0.0204	- ± -	0.0251	-	-
4-Formylaminoantipyrine	µg/l	0.459 ± 0.035	- ± -	0.0431	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	0.276 ± 0.025	- ± -	0.0332	-	-
Acesulfame	µg/l	1.12 ± 0.0581	1.26 ± 0.189	0.19	113	0.75
Amidotrizoic acid	µg/l	0.626 ± 0.0895	0.683 ± 0.102	0.157	109	0.36
Atenolol	µg/l	0.457 ± 0.0445	- ± -	0.0868	-	-
Benzotriazole	µg/l	0.695 ± 0.0439	0.674 ± 0.101	0.0833	97	-0.25
Bisoprolol	µg/l	0.0879 ± 0.00933	- ± -	0.0132	-	-
Carbamazepine	µg/l	0.761 ± 0.0485	0.726 ± 0.109	0.099	95.4	-0.36
Cyclamate	µg/l	0.912 ± 0.0795	- ± -	0.137	-	-
Diazepam	µg/l	0.595 ± 0.0559	- ± -	0.0833	-	-
Diclofenac	µg/l	0.191 ± 0.0235	0.219 ± 0.033	0.0497	115	0.56
Ibuprofen	µg/l	0.141 ± 0.0143	- ± -	0.0225	-	-
Iopamidol	µg/l	0.809 ± 0.0289	0.766 ± 0.115	0.0405	94.7	-1.07
Metoprolol	µg/l	0.318 ± 0.0247	- ± -	0.0794	-	-
Saccharin	µg/l	0.514 ± 0.0512	- ± -	0.113	-	-
Sotalol	µg/l	0.148 ± 0.0207	- ± -	0.0326	-	-
Sucralose	µg/l	1.08 ± 0.213	- ± -	0.325	-	-
Sulfamethoxazole	µg/l	0.29 ± 0.0137	0.286 ± 0.043	0.0348	98.7	-0.11

Sample: AZ8B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	µg/l	8.27 ± 0.818	- ± -	0.992	-	-
4-Formylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	1.24 ± 0.0727	- ± -	0.0891	-	-
Acesulfame	µg/l	18.8 ± 1.44	22.5 ± 3.375	3.2	120	1.15
Amidotrizoic acid	µg/l	2.07 ± 0.268	2.08 ± 0.312	0.414	101	0.03
Atenolol	µg/l	1.17 ± 0.128	- ± -	0.246	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Benzotriazole	µg/l	10.6 ± 0.312	10.9 ± 1.635	1.27	103	0.26
Bisoprolol	µg/l	0.803 ± 0.059	- ± -	0.0779	-	-
Carbamazepine	µg/l	1.22 ± 0.0887	1.2 ± 0.18	0.158	98.6	-0.11
Cyclamate	µg/l	0.622 ± 0.138	- ± -	0.168	-	-
Diazepam	µg/l	0.572 ± 0.0588	- ± -	0.0858	-	-
Diclofenac	µg/l	2.8 ± 0.158	3.16 ± 0.474	0.392	113	0.92
Ibuprofen	µg/l	3.45 ± 0.22	- ± -	0.345	-	-
Iopamidol	µg/l	31.7 ± 4.83	33.9 ± 5.085	8.86	107	0.25
Metoprolol	µg/l	1.09 ± 0.0751	- ± -	0.274	-	-
Saccharin	µg/l	21.9 ± 1.84	- ± -	4.81	-	-
Sotalol	µg/l	0.767 ± 0.0685	- ± -	0.169	-	-
Sucralose	µg/l	10.3 ± 2.31	- ± -	3.1	-	-
Sulfamethoxazole	µg/l	0.769 ± 0.043	0.668 ± 0.1	0.0922	86.9	-1.09



Sample: AZ8A

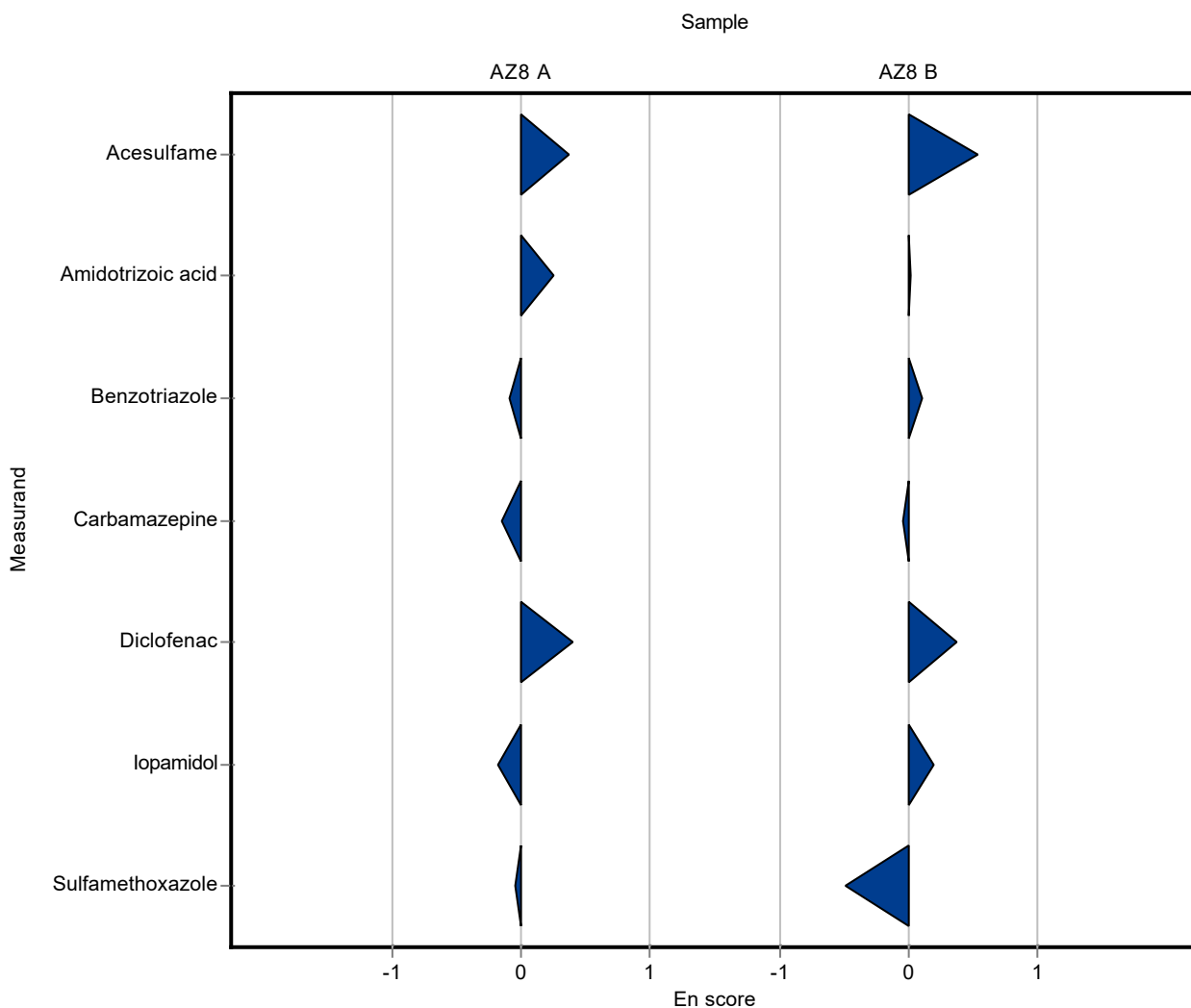
Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	µg/l	0.303 ± 0.0204	- ± -	0.0251	-	-
4-Formylaminoantipyrine	µg/l	0.459 ± 0.035	- ± -	0.0431	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	0.276 ± 0.025	- ± -	0.0332	-	-
Acesulfame	µg/l	1.12 ± 0.0581	1.26 ± 0.189	0.19	113	0.37
Amidotrizoic acid	µg/l	0.626 ± 0.0895	0.683 ± 0.102	0.157	109	0.26
Atenolol	µg/l	0.457 ± 0.0445	- ± -	0.0868	-	-
Benzotriazole	µg/l	0.695 ± 0.0439	0.674 ± 0.101	0.0833	97	-0.10
Bisoprolol	µg/l	0.0879 ± 0.00933	- ± -	0.0132	-	-
Carbamazepine	µg/l	0.761 ± 0.0485	0.726 ± 0.109	0.099	95.4	-0.16
Cyclamate	µg/l	0.912 ± 0.0795	- ± -	0.137	-	-
Diazepam	µg/l	0.595 ± 0.0559	- ± -	0.0833	-	-
Diclofenac	µg/l	0.191 ± 0.0235	0.219 ± 0.033	0.0497	115	0.40
Ibuprofen	µg/l	0.141 ± 0.0143	- ± -	0.0225	-	-
Iopamidol	µg/l	0.809 ± 0.0289	0.766 ± 0.115	0.0405	94.7	-0.19
Metoprolol	µg/l	0.318 ± 0.0247	- ± -	0.0794	-	-
Saccharin	µg/l	0.514 ± 0.0512	- ± -	0.113	-	-
Sotalol	µg/l	0.148 ± 0.0207	- ± -	0.0326	-	-
Sucralose	µg/l	1.08 ± 0.213	- ± -	0.325	-	-
Sulfamethoxazole	µg/l	0.29 ± 0.0137	0.286 ± 0.043	0.0348	98.7	-0.04

Sample: AZ8B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	µg/l	8.27 ± 0.818	- ± -	0.992	-	-
4-Formylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	1.24 ± 0.0727	- ± -	0.0891	-	-
Acesulfame	µg/l	18.8 ± 1.44	22.5 ± 3.375	3.2	120	0.53
Amidotrizoic acid	µg/l	2.07 ± 0.268	2.08 ± 0.312	0.414	101	0.02
Atenolol	µg/l	1.17 ± 0.128	- ± -	0.246	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Benzotriazole	µg/l	10.6 ± 0.312	10.9 ± 1.635	1.27	103	0.10
Bisoprolol	µg/l	0.803 ± 0.059	- ± -	0.0779	-	-
Carbamazepine	µg/l	1.22 ± 0.0887	1.2 ± 0.18	0.158	98.6	-0.05
Cyclamate	µg/l	0.622 ± 0.138	- ± -	0.168	-	-
Diazepam	µg/l	0.572 ± 0.0588	- ± -	0.0858	-	-
Diclofenac	µg/l	2.8 ± 0.158	3.16 ± 0.474	0.392	113	0.37
Ibuprofen	µg/l	3.45 ± 0.22	- ± -	0.345	-	-
Iopamidol	µg/l	31.7 ± 4.83	33.9 ± 5.085	8.86	107	0.20
Metoprolol	µg/l	1.09 ± 0.0751	- ± -	0.274	-	-
Saccharin	µg/l	21.9 ± 1.84	- ± -	4.81	-	-
Sotalol	µg/l	0.767 ± 0.0685	- ± -	0.169	-	-
Sucralose	µg/l	10.3 ± 2.31	- ± -	3.1	-	-
Sulfamethoxazole	µg/l	0.769 ± 0.043	0.668 ± 0.1	0.0922	86.9	-0.49





Sample: AZ8A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	µg/l	0.303 ± 0.0204	- ± -	0.0251	-	-
4-Formylaminoantipyrine	µg/l	0.459 ± 0.035	- ± -	0.0431	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	0.276 ± 0.025	- ± -	0.0332	-	-
Acesulfame	µg/l	1.12 ± 0.0581	- ± -	0.19	-	-
Amidotrizoic acid	µg/l	0.626 ± 0.0895	- ± -	0.157	-	-
Atenolol	µg/l	0.457 ± 0.0445	- ± -	0.0868	-	-
Benzotriazole	µg/l	0.695 ± 0.0439	- ± -	0.0833	-	-
Bisoprolol	µg/l	0.0879 ± 0.00933	- ± -	0.0132	-	-
Carbamazepine	µg/l	0.761 ± 0.0485	- ± -	0.099	-	-
Cyclamate	µg/l	0.912 ± 0.0795	- ± -	0.137	-	-
Diazepam	µg/l	0.595 ± 0.0559	- ± -	0.0833	-	-
Diclofenac	µg/l	0.191 ± 0.0235	- ± -	0.0497	-	-
Ibuprofen	µg/l	0.141 ± 0.0143	- ± -	0.0225	-	-
Iopamidol	µg/l	0.809 ± 0.0289	- ± -	0.0405	-	-
Metoprolol	µg/l	0.318 ± 0.0247	- ± -	0.0794	-	-
Saccharin	µg/l	0.514 ± 0.0512	- ± -	0.113	-	-
Sotalol	µg/l	0.148 ± 0.0207	- ± -	0.0326	-	-
Sucralose	µg/l	1.08 ± 0.213	- ± -	0.325	-	-
Sulfamethoxazole	µg/l	0.29 ± 0.0137	- ± -	0.0348	-	-

Sample: AZ8B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	µg/l	8.27 ± 0.818	- ± -	0.992	-	-
4-Formylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	1.24 ± 0.0727	- ± -	0.0891	-	-
Acesulfame	µg/l	18.8 ± 1.44	- ± -	3.2	-	-
Amidotrizoic acid	µg/l	2.07 ± 0.268	- ± -	0.414	-	-
Atenolol	µg/l	1.17 ± 0.128	- ± -	0.246	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion Recovery [%]	z-Score
Benzotriazole	µg/l	10.6 ± 0.312	- ± -	1.27	-
Bisoprolol	µg/l	0.803 ± 0.059	- ± -	0.0779	-
Carbamazepine	µg/l	1.22 ± 0.0887	- ± -	0.158	-
Cyclamate	µg/l	0.622 ± 0.138	- ± -	0.168	-
Diazepam	µg/l	0.572 ± 0.0588	- ± -	0.0858	-
Diclofenac	µg/l	2.8 ± 0.158	- ± -	0.392	-
Ibuprofen	µg/l	3.45 ± 0.22	- ± -	0.345	-
Iopamidol	µg/l	31.7 ± 4.83	- ± -	8.86	-
Metoprolol	µg/l	1.09 ± 0.0751	- ± -	0.274	-
Saccharin	µg/l	21.9 ± 1.84	- ± -	4.81	-
Sotalol	µg/l	0.767 ± 0.0685	- ± -	0.169	-
Sucralose	µg/l	10.3 ± 2.31	- ± -	3.1	-
Sulfamethoxazole	µg/l	0.769 ± 0.043	- ± -	0.0922	-

Sample: AZ8A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	µg/l	0.303 ± 0.0204	- ± -	0.0251	-	-
4-Formylaminoantipyrine	µg/l	0.459 ± 0.035	- ± -	0.0431	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	0.276 ± 0.025	- ± -	0.0332	-	-
Acesulfame	µg/l	1.12 ± 0.0581	- ± -	0.19	-	-
Amidotrizoic acid	µg/l	0.626 ± 0.0895	- ± -	0.157	-	-
Atenolol	µg/l	0.457 ± 0.0445	- ± -	0.0868	-	-
Benzotriazole	µg/l	0.695 ± 0.0439	- ± -	0.0833	-	-
Bisoprolol	µg/l	0.0879 ± 0.00933	- ± -	0.0132	-	-
Carbamazepine	µg/l	0.761 ± 0.0485	- ± -	0.099	-	-
Cyclamate	µg/l	0.912 ± 0.0795	- ± -	0.137	-	-
Diazepam	µg/l	0.595 ± 0.0559	- ± -	0.0833	-	-
Diclofenac	µg/l	0.191 ± 0.0235	- ± -	0.0497	-	-
Ibuprofen	µg/l	0.141 ± 0.0143	- ± -	0.0225	-	-
Iopamidol	µg/l	0.809 ± 0.0289	- ± -	0.0405	-	-
Metoprolol	µg/l	0.318 ± 0.0247	- ± -	0.0794	-	-
Saccharin	µg/l	0.514 ± 0.0512	- ± -	0.113	-	-
Sotalol	µg/l	0.148 ± 0.0207	- ± -	0.0326	-	-
Sucralose	µg/l	1.08 ± 0.213	- ± -	0.325	-	-
Sulfamethoxazole	µg/l	0.29 ± 0.0137	- ± -	0.0348	-	-

Sample: AZ8B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	µg/l	8.27 ± 0.818	- ± -	0.992	-	-
4-Formylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	1.24 ± 0.0727	- ± -	0.0891	-	-
Acesulfame	µg/l	18.8 ± 1.44	- ± -	3.2	-	-
Amidotrizoic acid	µg/l	2.07 ± 0.268	- ± -	0.414	-	-
Atenolol	µg/l	1.17 ± 0.128	- ± -	0.246	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion Recovery [%]	En-Score
Benzotriazole	µg/l	10.6 ± 0.312	- ± -	1.27	-
Bisoprolol	µg/l	0.803 ± 0.059	- ± -	0.0779	-
Carbamazepine	µg/l	1.22 ± 0.0887	- ± -	0.158	-
Cyclamate	µg/l	0.622 ± 0.138	- ± -	0.168	-
Diazepam	µg/l	0.572 ± 0.0588	- ± -	0.0858	-
Diclofenac	µg/l	2.8 ± 0.158	- ± -	0.392	-
Ibuprofen	µg/l	3.45 ± 0.22	- ± -	0.345	-
Iopamidol	µg/l	31.7 ± 4.83	- ± -	8.86	-
Metoprolol	µg/l	1.09 ± 0.0751	- ± -	0.274	-
Saccharin	µg/l	21.9 ± 1.84	- ± -	4.81	-
Sotalol	µg/l	0.767 ± 0.0685	- ± -	0.169	-
Sucralose	µg/l	10.3 ± 2.31	- ± -	3.1	-
Sulfamethoxazole	µg/l	0.769 ± 0.043	- ± -	0.0922	-

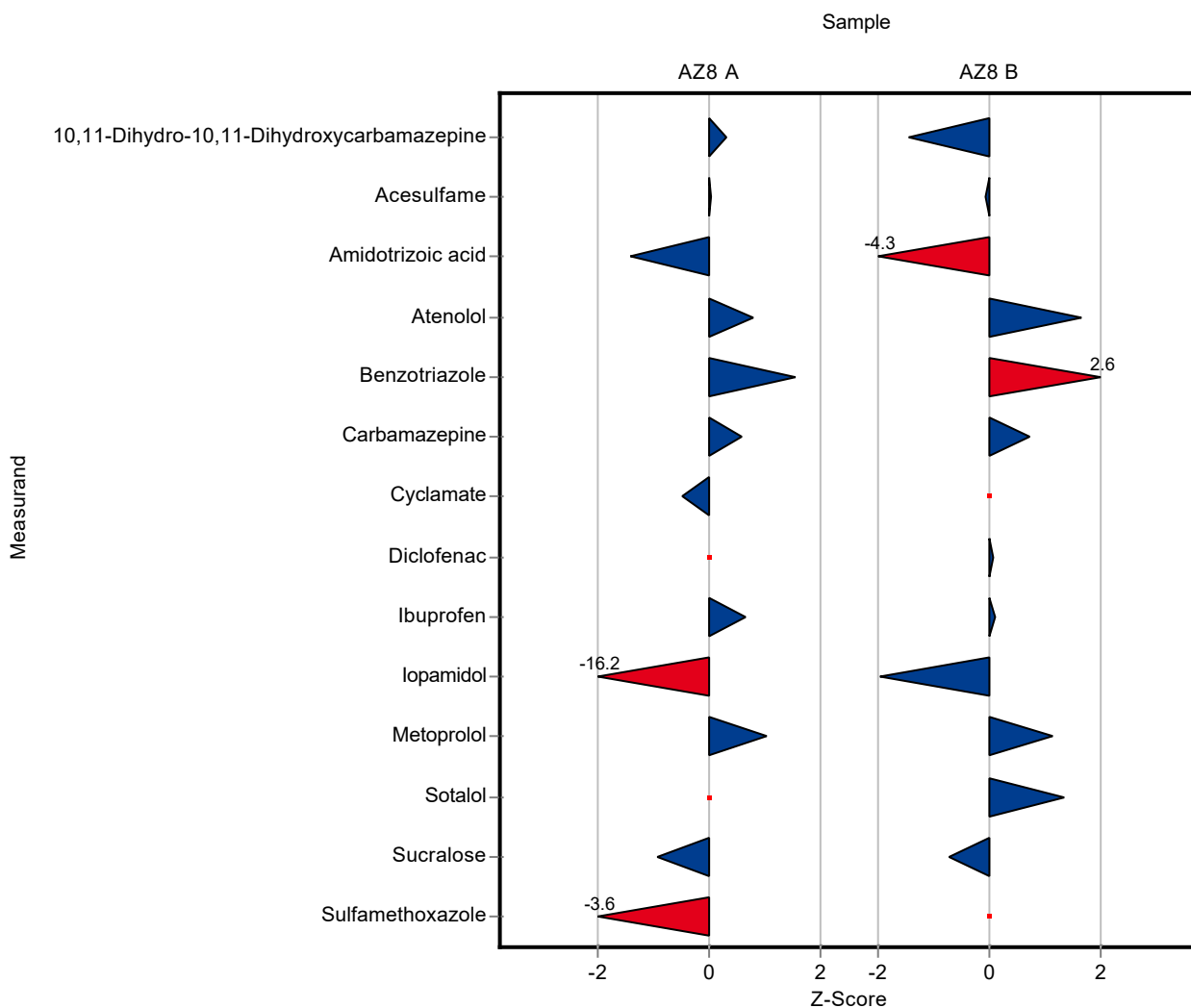
Sample: AZ8A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	µg/l	0.303 ± 0.0204	- ± -	0.0251	-	-
4-Formylaminoantipyrine	µg/l	0.459 ± 0.035	- ± -	0.0431	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	0.276 ± 0.025	0.286 ± 0.006	0.0332	103	0.29
Acesulfame	µg/l	1.12 ± 0.0581	1.12 ± 0.23	0.19	100	0.01
Amidotrizoic acid	µg/l	0.626 ± 0.0895	0.406 ± 0.01	0.157	64.8	-1.41
Atenolol	µg/l	0.457 ± 0.0445	0.525 ± 0.01	0.0868	115	0.79
Benzotriazole	µg/l	0.695 ± 0.0439	0.822 ± 0.016	0.0833	118	1.53
Bisoprolol	µg/l	0.0879 ± 0.00933	- ± -	0.0132	-	-
Carbamazepine	µg/l	0.761 ± 0.0485	0.817 ± 0.016	0.099	107	0.56
Cyclamate	µg/l	0.912 ± 0.0795	0.847 ± 0.017	0.137	92.9	-0.47
Diazepam	µg/l	0.595 ± 0.0559	- ± -	0.0833	-	-
Diclofenac	µg/l	0.191 ± 0.0235	<0.02 (LOD) ± -	0.0497	-	-
Ibuprofen	µg/l	0.141 ± 0.0143	0.155 ± 0.005	0.0225	110	0.64
Iopamidol	µg/l	0.809 ± 0.0289	0.155 ± 0.005	0.0405	19.2	-16.20
Metoprolol	µg/l	0.318 ± 0.0247	0.398 ± 0.01	0.0794	125	1.01
Saccharin	µg/l	0.514 ± 0.0512	- ± -	0.113	-	-
Sotalol	µg/l	0.148 ± 0.0207	<0.03 (LOD) ± -	0.0326	-	-
Sucralose	µg/l	1.08 ± 0.213	0.774 ± 0.016	0.325	71.5	-0.95
Sulfamethoxazole	µg/l	0.29 ± 0.0137	0.163 ± 0.004	0.0348	56.2	-3.65

Sample: AZ8B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	µg/l	8.27 ± 0.818	- ± -	0.992	-	-
4-Formylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	1.24 ± 0.0727	1.11 ± 0.022	0.0891	89.7	-1.43
Acesulfame	µg/l	18.8 ± 1.44	18.6 ± 0.37	3.2	98.9	-0.07
Amidotrizoic acid	µg/l	2.07 ± 0.268	0.303 ± 0.01	0.414	14.6	-4.27
Atenolol	µg/l	1.17 ± 0.128	1.58 ± 0.03	0.246	135	1.65

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Benzotriazole	µg/l	10.6 ± 0.312	13.9 ± 0.28	1.27	132	2.63
Bisoprolol	µg/l	0.803 ± 0.059	- ± -	0.0779	-	-
Carbamazepine	µg/l	1.22 ± 0.0887	1.33 ± 0.026	0.158	109	0.71
Cyclamate	µg/l	0.622 ± 0.138	<0.2 (LOD) ± -	0.168	-	-
Diazepam	µg/l	0.572 ± 0.0588	- ± -	0.0858	-	-
Diclofenac	µg/l	2.8 ± 0.158	2.83 ± 0.056	0.392	101	0.07
Ibuprofen	µg/l	3.45 ± 0.22	3.49 ± 0.07	0.345	101	0.12
Iopamidol	µg/l	31.7 ± 4.83	14.4 ± 0.21	8.86	45.5	-1.95
Metoprolol	µg/l	1.09 ± 0.0751	1.41 ± 0.028	0.274	129	1.15
Saccharin	µg/l	21.9 ± 1.84	- ± -	4.81	-	-
Sotalol	µg/l	0.767 ± 0.0685	0.992 ± 0.02	0.169	129	1.34
Sucralose	µg/l	10.3 ± 2.31	8.11 ± 0.165	3.1	78.6	-0.71
Sulfamethoxazole	µg/l	0.769 ± 0.043	<0.4 (LOD) ± -	0.0922	-	-





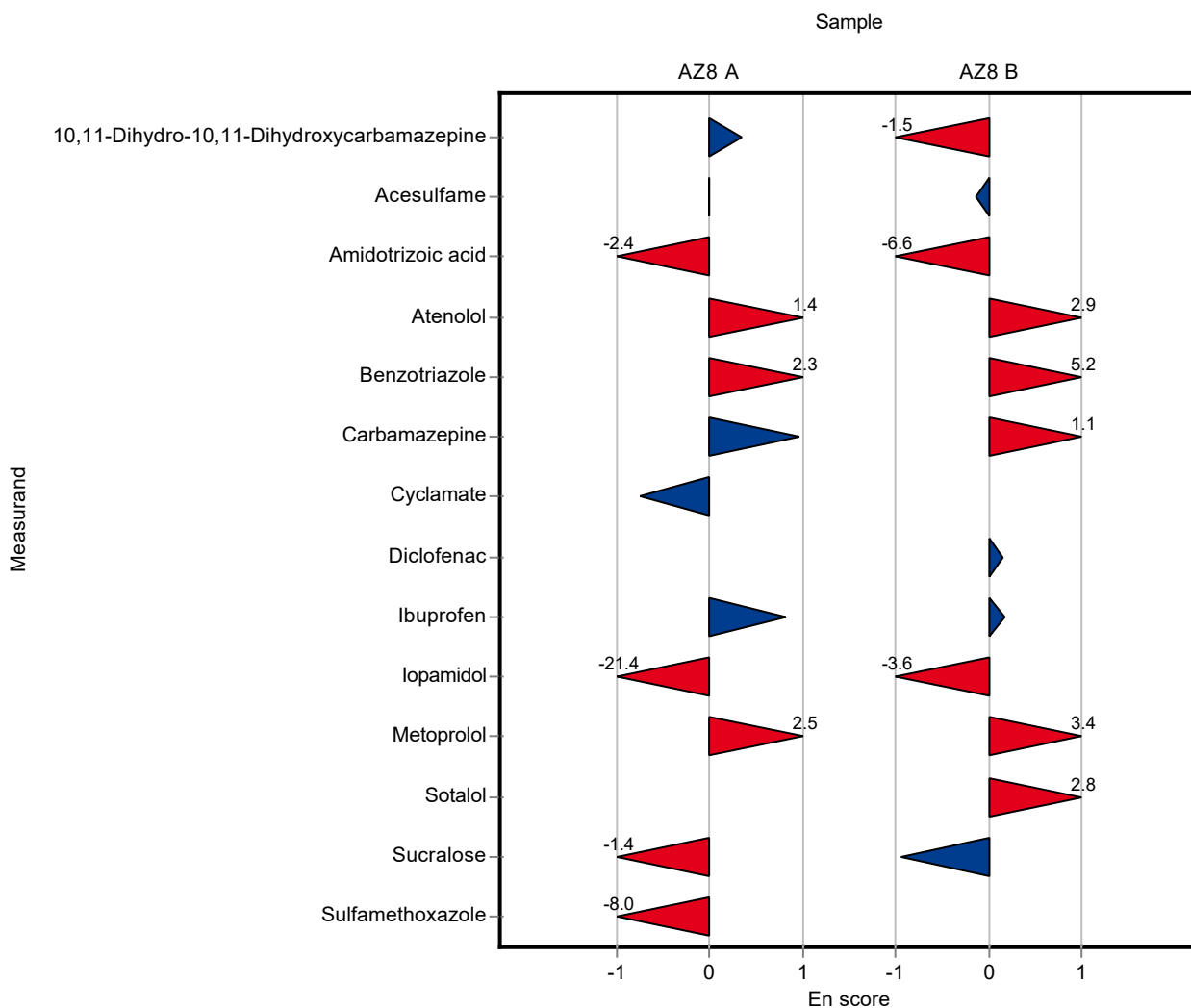
Sample: AZ8A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	µg/l	0.303 ± 0.0204	- ± -	0.0251	-	-
4-Formylaminoantipyrine	µg/l	0.459 ± 0.035	- ± -	0.0431	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	0.276 ± 0.025	0.286 ± 0.006	0.0332	103	0.35
Acesulfame	µg/l	1.12 ± 0.0581	1.12 ± 0.23	0.19	100	0.01
Amidotrizoic acid	µg/l	0.626 ± 0.0895	0.406 ± 0.01	0.157	64.8	-2.40
Atenolol	µg/l	0.457 ± 0.0445	0.525 ± 0.01	0.0868	115	1.40
Benzotriazole	µg/l	0.695 ± 0.0439	0.822 ± 0.016	0.0833	118	2.35
Bisoprolol	µg/l	0.0879 ± 0.00933	- ± -	0.0132	-	-
Carbamazepine	µg/l	0.761 ± 0.0485	0.817 ± 0.016	0.099	107	0.96
Cyclamate	µg/l	0.912 ± 0.0795	0.847 ± 0.017	0.137	92.9	-0.75
Diazepam	µg/l	0.595 ± 0.0559	- ± -	0.0833	-	-
Diclofenac	µg/l	0.191 ± 0.0235	<0.02 (LOD) ± -	0.0497	-	-
Ibuprofen	µg/l	0.141 ± 0.0143	0.155 ± 0.005	0.0225	110	0.83
Iopamidol	µg/l	0.809 ± 0.0289	0.155 ± 0.005	0.0405	19.2	-21.40
Metoprolol	µg/l	0.318 ± 0.0247	0.398 ± 0.01	0.0794	125	2.53
Saccharin	µg/l	0.514 ± 0.0512	- ± -	0.113	-	-
Sotalol	µg/l	0.148 ± 0.0207	<0.03 (LOD) ± -	0.0326	-	-
Sucralose	µg/l	1.08 ± 0.213	0.774 ± 0.016	0.325	71.5	-1.43
Sulfamethoxazole	µg/l	0.29 ± 0.0137	0.163 ± 0.004	0.0348	56.2	-7.98

Sample: AZ8B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	µg/l	8.27 ± 0.818	- ± -	0.992	-	-
4-Formylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	1.24 ± 0.0727	1.11 ± 0.022	0.0891	89.7	-1.50
Acesulfame	µg/l	18.8 ± 1.44	18.6 ± 0.37	3.2	98.9	-0.13
Amidotrizoic acid	µg/l	2.07 ± 0.268	0.303 ± 0.01	0.414	14.6	-6.57
Atenolol	µg/l	1.17 ± 0.128	1.58 ± 0.03	0.246	135	2.88

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Benzotriazole	µg/l	10.6 ± 0.312	13.9 ± 0.28	1.27	132	5.20
Bisoprolol	µg/l	0.803 ± 0.059	- ± -	0.0779	-	-
Carbamazepine	µg/l	1.22 ± 0.0887	1.33 ± 0.026	0.158	109	1.09
Cyclamate	µg/l	0.622 ± 0.138	<0.2 (LOD) ± -	0.168	-	-
Diazepam	µg/l	0.572 ± 0.0588	- ± -	0.0858	-	-
Diclofenac	µg/l	2.8 ± 0.158	2.83 ± 0.056	0.392	101	0.15
Ibuprofen	µg/l	3.45 ± 0.22	3.49 ± 0.07	0.345	101	0.16
Iopamidol	µg/l	31.7 ± 4.83	14.4 ± 0.21	8.86	45.5	-3.56
Metoprolol	µg/l	1.09 ± 0.0751	1.41 ± 0.028	0.274	129	3.37
Saccharin	µg/l	21.9 ± 1.84	- ± -	4.81	-	-
Sotalol	µg/l	0.767 ± 0.0685	0.992 ± 0.02	0.169	129	2.84
Sucralose	µg/l	10.3 ± 2.31	8.11 ± 0.165	3.1	78.6	-0.95
Sulfamethoxazole	µg/l	0.769 ± 0.043	<0.4 (LOD) ± -	0.0922	-	-



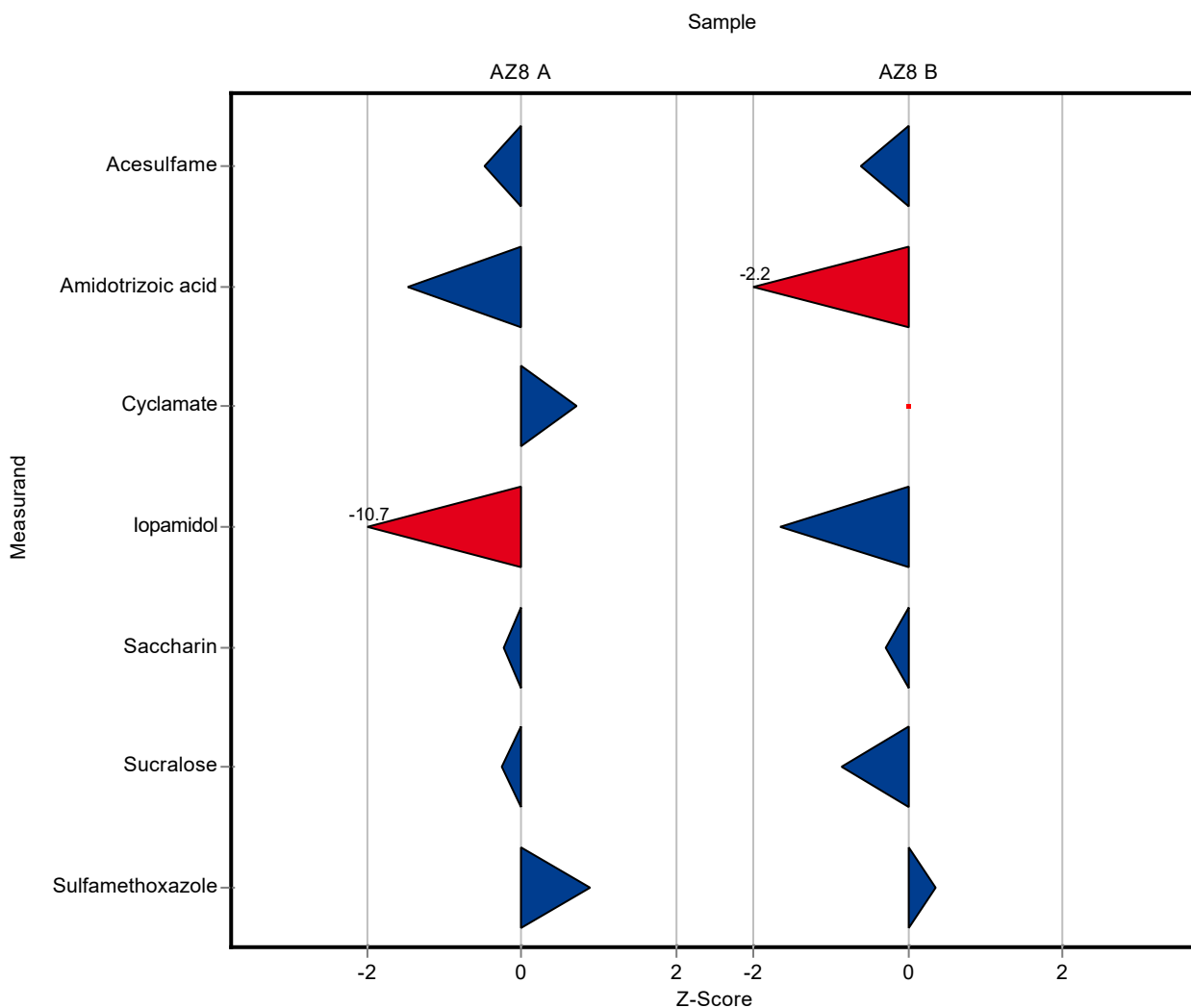
Sample: AZ8A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	µg/l	0.303 ± 0.0204	- ± -	0.0251	-	-
4-Formylaminoantipyrine	µg/l	0.459 ± 0.035	- ± -	0.0431	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	0.276 ± 0.025	- ± -	0.0332	-	-
Acesulfame	µg/l	1.12 ± 0.0581	1.0283 ± 0.0181	0.19	92	-0.47
Amidotrizoic acid	µg/l	0.626 ± 0.0895	0.3975 ± 0.3856	0.157	63.5	-1.46
Atenolol	µg/l	0.457 ± 0.0445	- ± -	0.0868	-	-
Benzotriazole	µg/l	0.695 ± 0.0439	- ± -	0.0833	-	-
Bisoprolol	µg/l	0.0879 ± 0.00933	- ± -	0.0132	-	-
Carbamazepine	µg/l	0.761 ± 0.0485	- ± -	0.099	-	-
Cyclamate	µg/l	0.912 ± 0.0795	1.0102 ± 0.1857	0.137	111	0.72
Diazepam	µg/l	0.595 ± 0.0559	- ± -	0.0833	-	-
Diclofenac	µg/l	0.191 ± 0.0235	- ± -	0.0497	-	-
Ibuprofen	µg/l	0.141 ± 0.0143	- ± -	0.0225	-	-
Iopamidol	µg/l	0.809 ± 0.0289	0.3744 ± 0.2359	0.0405	46.3	-10.70
Metoprolol	µg/l	0.318 ± 0.0247	- ± -	0.0794	-	-
Saccharin	µg/l	0.514 ± 0.0512	0.4894 ± 0.0404	0.113	95.2	-0.22
Sotalol	µg/l	0.148 ± 0.0207	- ± -	0.0326	-	-
Sucralose	µg/l	1.08 ± 0.213	1.0036 ± 0.337	0.325	92.8	-0.24
Sulfamethoxazole	µg/l	0.29 ± 0.0137	0.32063 ± 0.04874	0.0348	111	0.89

Sample: AZ8B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	µg/l	8.27 ± 0.818	- ± -	0.992	-	-
4-Formylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	1.24 ± 0.0727	- ± -	0.0891	-	-
Acesulfame	µg/l	18.8 ± 1.44	16.87295 ± 0.297	3.2	89.7	-0.61
Amidotrizoic acid	µg/l	2.07 ± 0.268	1.1507 ± 1.1162	0.414	55.6	-2.22
Atenolol	µg/l	1.17 ± 0.128	- ± -	0.246	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Benzotriazole	µg/l	10.6 ± 0.312	- ± -	1.27	-	-
Bisoprolol	µg/l	0.803 ± 0.059	- ± -	0.0779	-	-
Carbamazepine	µg/l	1.22 ± 0.0887	- ± -	0.158	-	-
Cyclamate	µg/l	0.622 ± 0.138	<0.05 (LOQ) ± -	0.168	-	-
Diazepam	µg/l	0.572 ± 0.0588	- ± -	0.0858	-	-
Diclofenac	µg/l	2.8 ± 0.158	- ± -	0.392	-	-
Ibuprofen	µg/l	3.45 ± 0.22	- ± -	0.345	-	-
Iopamidol	µg/l	31.7 ± 4.83	16.8659 ± 10.6255	8.86	53.3	-1.67
Metoprolol	µg/l	1.09 ± 0.0751	- ± -	0.274	-	-
Saccharin	µg/l	21.9 ± 1.84	20.4305 ± 1.6876	4.81	93.5	-0.30
Sotalol	µg/l	0.767 ± 0.0685	- ± -	0.169	-	-
Sucralose	µg/l	10.3 ± 2.31	7.6384 ± 2.565	3.1	74	-0.87
Sulfamethoxazole	µg/l	0.769 ± 0.043	0.80217 ± 0.12193	0.0922	104	0.36



Sample: AZ8A

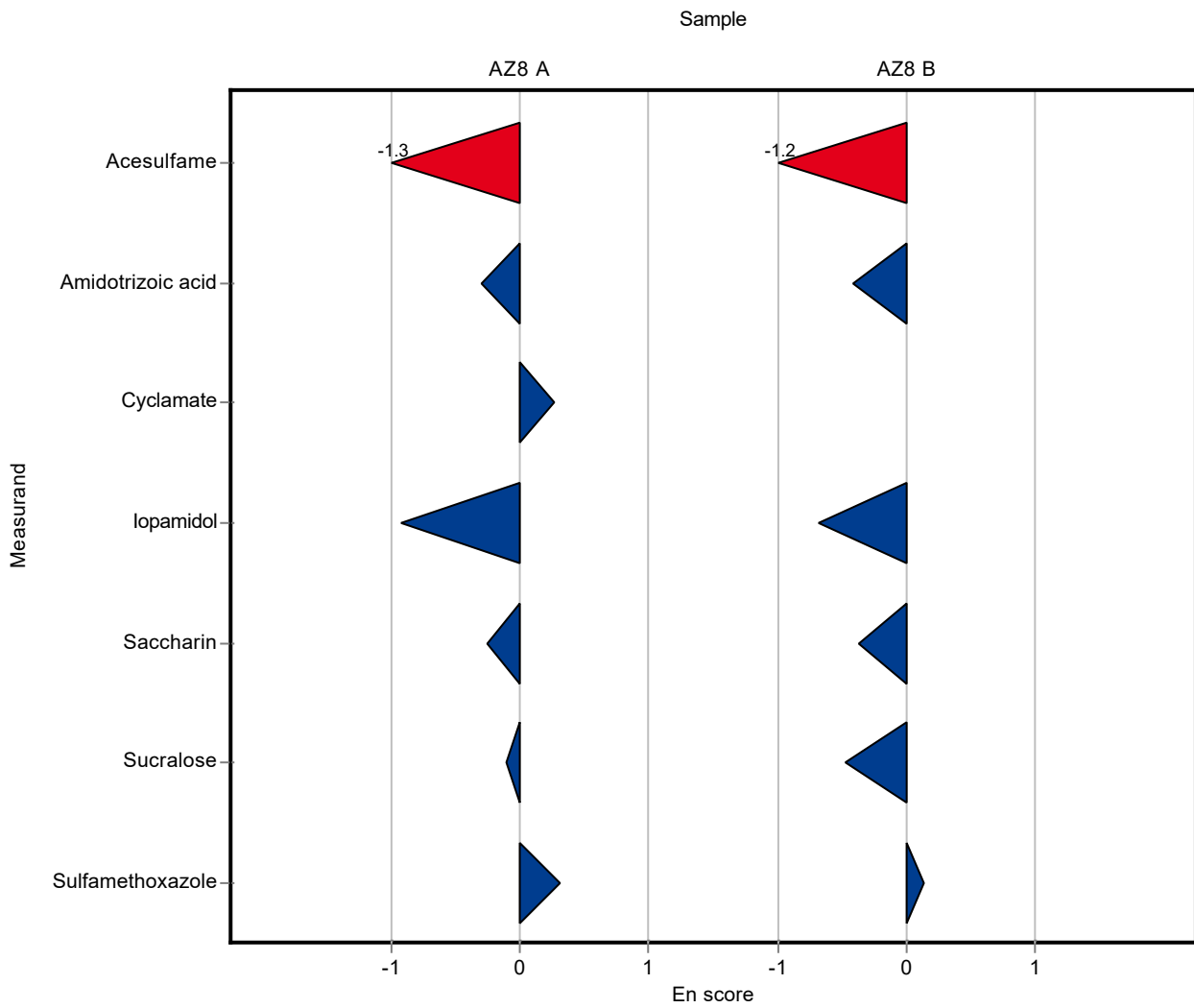
Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	µg/l	0.303 ± 0.0204	- ± -	0.0251	-	-
4-Formylaminoantipyrine	µg/l	0.459 ± 0.035	- ± -	0.0431	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	0.276 ± 0.025	- ± -	0.0332	-	-
Acesulfame	µg/l	1.12 ± 0.0581	1.0283 ± 0.0181	0.19	92	-1.30
Amidotrizoic acid	µg/l	0.626 ± 0.0895	0.3975 ± 0.3856	0.157	63.5	-0.29
Atenolol	µg/l	0.457 ± 0.0445	- ± -	0.0868	-	-
Benzotriazole	µg/l	0.695 ± 0.0439	- ± -	0.0833	-	-
Bisoprolol	µg/l	0.0879 ± 0.00933	- ± -	0.0132	-	-
Carbamazepine	µg/l	0.761 ± 0.0485	- ± -	0.099	-	-
Cyclamate	µg/l	0.912 ± 0.0795	1.0102 ± 0.1857	0.137	111	0.26
Diazepam	µg/l	0.595 ± 0.0559	- ± -	0.0833	-	-
Diclofenac	µg/l	0.191 ± 0.0235	- ± -	0.0497	-	-
Ibuprofen	µg/l	0.141 ± 0.0143	- ± -	0.0225	-	-
Iopamidol	µg/l	0.809 ± 0.0289	0.3744 ± 0.2359	0.0405	46.3	-0.92
Metoprolol	µg/l	0.318 ± 0.0247	- ± -	0.0794	-	-
Saccharin	µg/l	0.514 ± 0.0512	0.4894 ± 0.0404	0.113	95.2	-0.26
Sotalol	µg/l	0.148 ± 0.0207	- ± -	0.0326	-	-
Sucralose	µg/l	1.08 ± 0.213	1.0036 ± 0.337	0.325	92.8	-0.11
Sulfamethoxazole	µg/l	0.29 ± 0.0137	0.32063 ± 0.04874	0.0348	111	0.31

Sample: AZ8B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	µg/l	8.27 ± 0.818	- ± -	0.992	-	-
4-Formylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	1.24 ± 0.0727	- ± -	0.0891	-	-
Acesulfame	µg/l	18.8 ± 1.44	16.87295 ± 0.297	3.2	89.7	-1.25
Amidotrizoic acid	µg/l	2.07 ± 0.268	1.1507 ± 1.1162	0.414	55.6	-0.41
Atenolol	µg/l	1.17 ± 0.128	- ± -	0.246	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Benzotriazole	µg/l	10.6 ± 0.312	- ± -	1.27	-	-
Bisoprolol	µg/l	0.803 ± 0.059	- ± -	0.0779	-	-
Carbamazepine	µg/l	1.22 ± 0.0887	- ± -	0.158	-	-
Cyclamate	µg/l	0.622 ± 0.138	<0.05 (LOQ) ± -	0.168	-	-
Diazepam	µg/l	0.572 ± 0.0588	- ± -	0.0858	-	-
Diclofenac	µg/l	2.8 ± 0.158	- ± -	0.392	-	-
Ibuprofen	µg/l	3.45 ± 0.22	- ± -	0.345	-	-
Iopamidol	µg/l	31.7 ± 4.83	16.8659 ± 10.6255	8.86	53.3	-0.68
Metoprolol	µg/l	1.09 ± 0.0751	- ± -	0.274	-	-
Saccharin	µg/l	21.9 ± 1.84	20.4305 ± 1.6876	4.81	93.5	-0.37
Sotalol	µg/l	0.767 ± 0.0685	- ± -	0.169	-	-
Sucralose	µg/l	10.3 ± 2.31	7.6384 ± 2.565	3.1	74	-0.48
Sulfamethoxazole	µg/l	0.769 ± 0.043	0.80217 ± 0.12193	0.0922	104	0.14





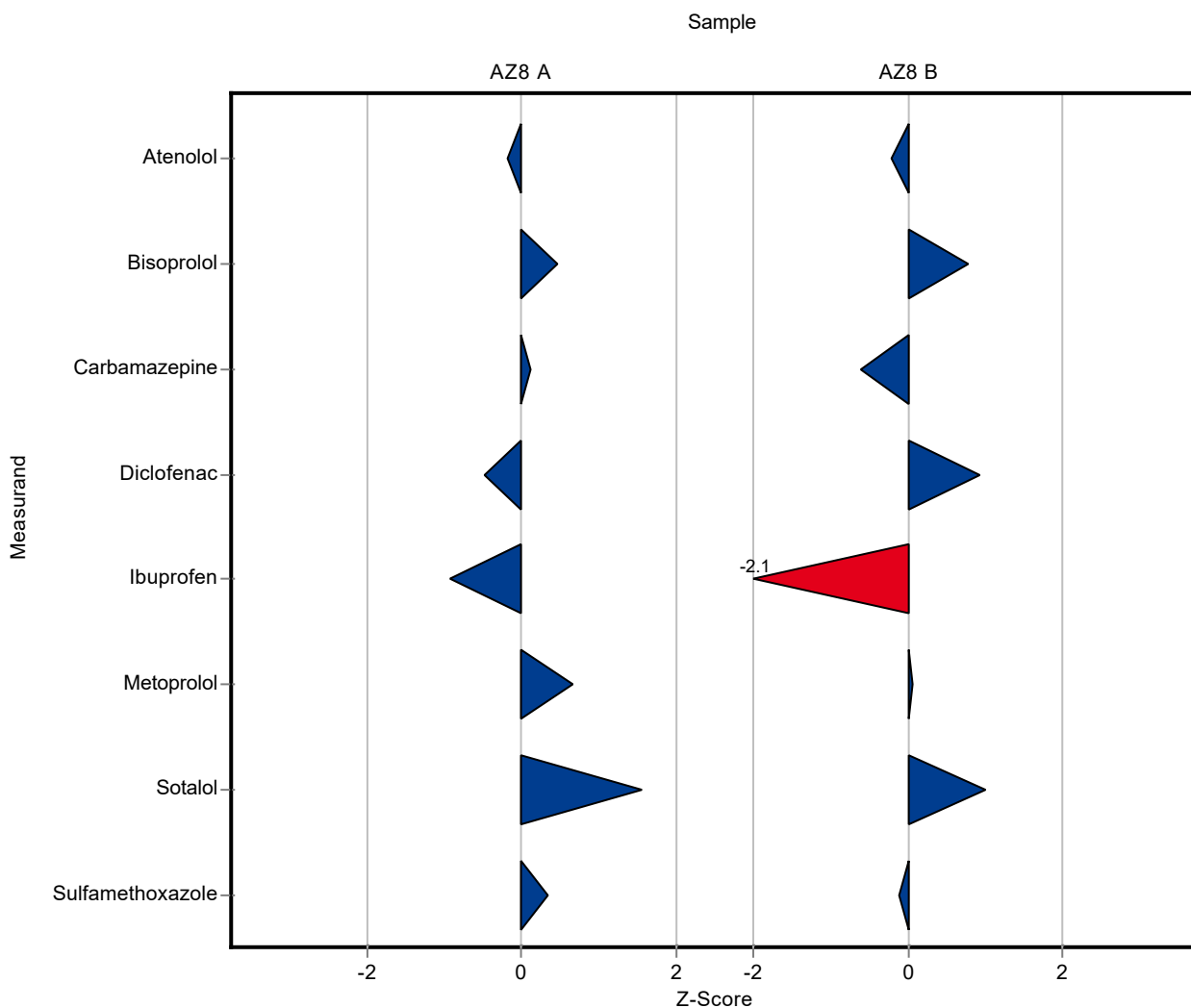
Sample: AZ8A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	µg/l	0.303 ± 0.0204	- ± -	0.0251	-	-
4-Formylaminoantipyrine	µg/l	0.459 ± 0.035	- ± -	0.0431	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	0.276 ± 0.025	- ± -	0.0332	-	-
Acesulfame	µg/l	1.12 ± 0.0581	- ± -	0.19	-	-
Amidotrizoic acid	µg/l	0.626 ± 0.0895	- ± -	0.157	-	-
Atenolol	µg/l	0.457 ± 0.0445	0.442 ± 0.1	0.0868	96.8	-0.17
Benzotriazole	µg/l	0.695 ± 0.0439	- ± -	0.0833	-	-
Bisoprolol	µg/l	0.0879 ± 0.00933	0.094 ± 0.025	0.0132	107	0.47
Carbamazepine	µg/l	0.761 ± 0.0485	0.773 ± 0.15	0.099	102	0.12
Cyclamate	µg/l	0.912 ± 0.0795	- ± -	0.137	-	-
Diazepam	µg/l	0.595 ± 0.0559	- ± -	0.0833	-	-
Diclofenac	µg/l	0.191 ± 0.0235	0.167 ± 0.03	0.0497	87.3	-0.49
Ibuprofen	µg/l	0.141 ± 0.0143	0.12 ± 0.025	0.0225	85.4	-0.92
Iopamidol	µg/l	0.809 ± 0.0289	- ± -	0.0405	-	-
Metoprolol	µg/l	0.318 ± 0.0247	0.371 ± 0.075	0.0794	117	0.67
Saccharin	µg/l	0.514 ± 0.0512	- ± -	0.113	-	-
Sotalol	µg/l	0.148 ± 0.0207	0.199 ± 0.04	0.0326	134	1.57
Sucralose	µg/l	1.08 ± 0.213	- ± -	0.325	-	-
Sulfamethoxazole	µg/l	0.29 ± 0.0137	0.302 ± 0.06	0.0348	104	0.35

Sample: AZ8B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	µg/l	8.27 ± 0.818	- ± -	0.992	-	-
4-Formylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	1.24 ± 0.0727	- ± -	0.0891	-	-
Acesulfame	µg/l	18.8 ± 1.44	- ± -	3.2	-	-
Amidotrizoic acid	µg/l	2.07 ± 0.268	- ± -	0.414	-	-
Atenolol	µg/l	1.17 ± 0.128	1.121 ± 0.22	0.246	95.6	-0.21

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Benzotriazole	µg/l	10.6 ± 0.312	- ± -	1.27	-	-
Bisoprolol	µg/l	0.803 ± 0.059	0.863 ± 0.18	0.0779	107	0.77
Carbamazepine	µg/l	1.22 ± 0.0887	1.119 ± 0.22	0.158	91.9	-0.62
Cyclamate	µg/l	0.622 ± 0.138	- ± -	0.168	-	-
Diazepam	µg/l	0.572 ± 0.0588	- ± -	0.0858	-	-
Diclofenac	µg/l	2.8 ± 0.158	3.167 ± 0.62	0.392	113	0.93
Ibuprofen	µg/l	3.45 ± 0.22	2.729 ± 0.55	0.345	79.1	-2.09
Iopamidol	µg/l	31.7 ± 4.83	- ± -	8.86	-	-
Metoprolol	µg/l	1.09 ± 0.0751	1.106 ± 0.22	0.274	101	0.04
Saccharin	µg/l	21.9 ± 1.84	- ± -	4.81	-	-
Sotalol	µg/l	0.767 ± 0.0685	0.937 ± 0.18	0.169	122	1.01
Sucralose	µg/l	10.3 ± 2.31	- ± -	3.1	-	-
Sulfamethoxazole	µg/l	0.769 ± 0.043	0.757 ± 0.15	0.0922	98.5	-0.13



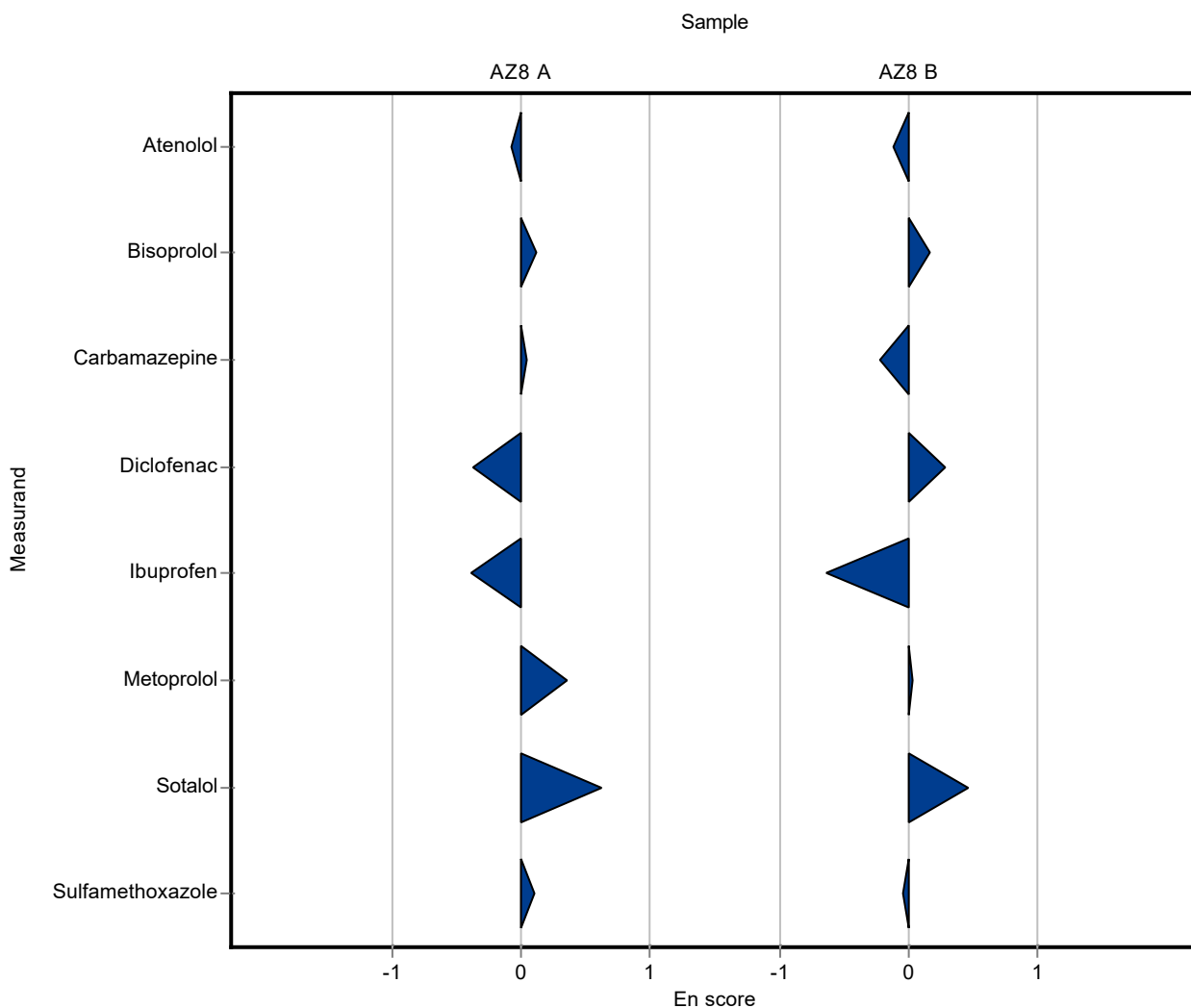
Sample: AZ8A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	µg/l	0.303 ± 0.0204	- ± -	0.0251	-	-
4-Formylaminoantipyrine	µg/l	0.459 ± 0.035	- ± -	0.0431	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	0.276 ± 0.025	- ± -	0.0332	-	-
Acesulfame	µg/l	1.12 ± 0.0581	- ± -	0.19	-	-
Amidotrizoic acid	µg/l	0.626 ± 0.0895	- ± -	0.157	-	-
Atenolol	µg/l	0.457 ± 0.0445	0.442 ± 0.1	0.0868	96.8	-0.07
Benzotriazole	µg/l	0.695 ± 0.0439	- ± -	0.0833	-	-
Bisoprolol	µg/l	0.0879 ± 0.00933	0.094 ± 0.025	0.0132	107	0.12
Carbamazepine	µg/l	0.761 ± 0.0485	0.773 ± 0.15	0.099	102	0.04
Cyclamate	µg/l	0.912 ± 0.0795	- ± -	0.137	-	-
Diazepam	µg/l	0.595 ± 0.0559	- ± -	0.0833	-	-
Diclofenac	µg/l	0.191 ± 0.0235	0.167 ± 0.03	0.0497	87.3	-0.38
Ibuprofen	µg/l	0.141 ± 0.0143	0.12 ± 0.025	0.0225	85.4	-0.40
Iopamidol	µg/l	0.809 ± 0.0289	- ± -	0.0405	-	-
Metoprolol	µg/l	0.318 ± 0.0247	0.371 ± 0.075	0.0794	117	0.35
Saccharin	µg/l	0.514 ± 0.0512	- ± -	0.113	-	-
Sotalol	µg/l	0.148 ± 0.0207	0.199 ± 0.04	0.0326	134	0.62
Sucralose	µg/l	1.08 ± 0.213	- ± -	0.325	-	-
Sulfamethoxazole	µg/l	0.29 ± 0.0137	0.302 ± 0.06	0.0348	104	0.10

Sample: AZ8B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	µg/l	8.27 ± 0.818	- ± -	0.992	-	-
4-Formylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	1.24 ± 0.0727	- ± -	0.0891	-	-
Acesulfame	µg/l	18.8 ± 1.44	- ± -	3.2	-	-
Amidotrizoic acid	µg/l	2.07 ± 0.268	- ± -	0.414	-	-
Atenolol	µg/l	1.17 ± 0.128	1.121 ± 0.22	0.246	95.6	-0.11

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Benzotriazole	µg/l	10.6 ± 0.312	- ± -	1.27	-	-
Bisoprolol	µg/l	0.803 ± 0.059	0.863 ± 0.18	0.0779	107	0.16
Carbamazepine	µg/l	1.22 ± 0.0887	1.119 ± 0.22	0.158	91.9	-0.22
Cyclamate	µg/l	0.622 ± 0.138	- ± -	0.168	-	-
Diazepam	µg/l	0.572 ± 0.0588	- ± -	0.0858	-	-
Diclofenac	µg/l	2.8 ± 0.158	3.167 ± 0.62	0.392	113	0.29
Ibuprofen	µg/l	3.45 ± 0.22	2.729 ± 0.55	0.345	79.1	-0.64
Iopamidol	µg/l	31.7 ± 4.83	- ± -	8.86	-	-
Metoprolol	µg/l	1.09 ± 0.0751	1.106 ± 0.22	0.274	101	0.03
Saccharin	µg/l	21.9 ± 1.84	- ± -	4.81	-	-
Sotalol	µg/l	0.767 ± 0.0685	0.937 ± 0.18	0.169	122	0.47
Sucralose	µg/l	10.3 ± 2.31	- ± -	3.1	-	-
Sulfamethoxazole	µg/l	0.769 ± 0.043	0.757 ± 0.15	0.0922	98.5	-0.04



Sample: AZ8A

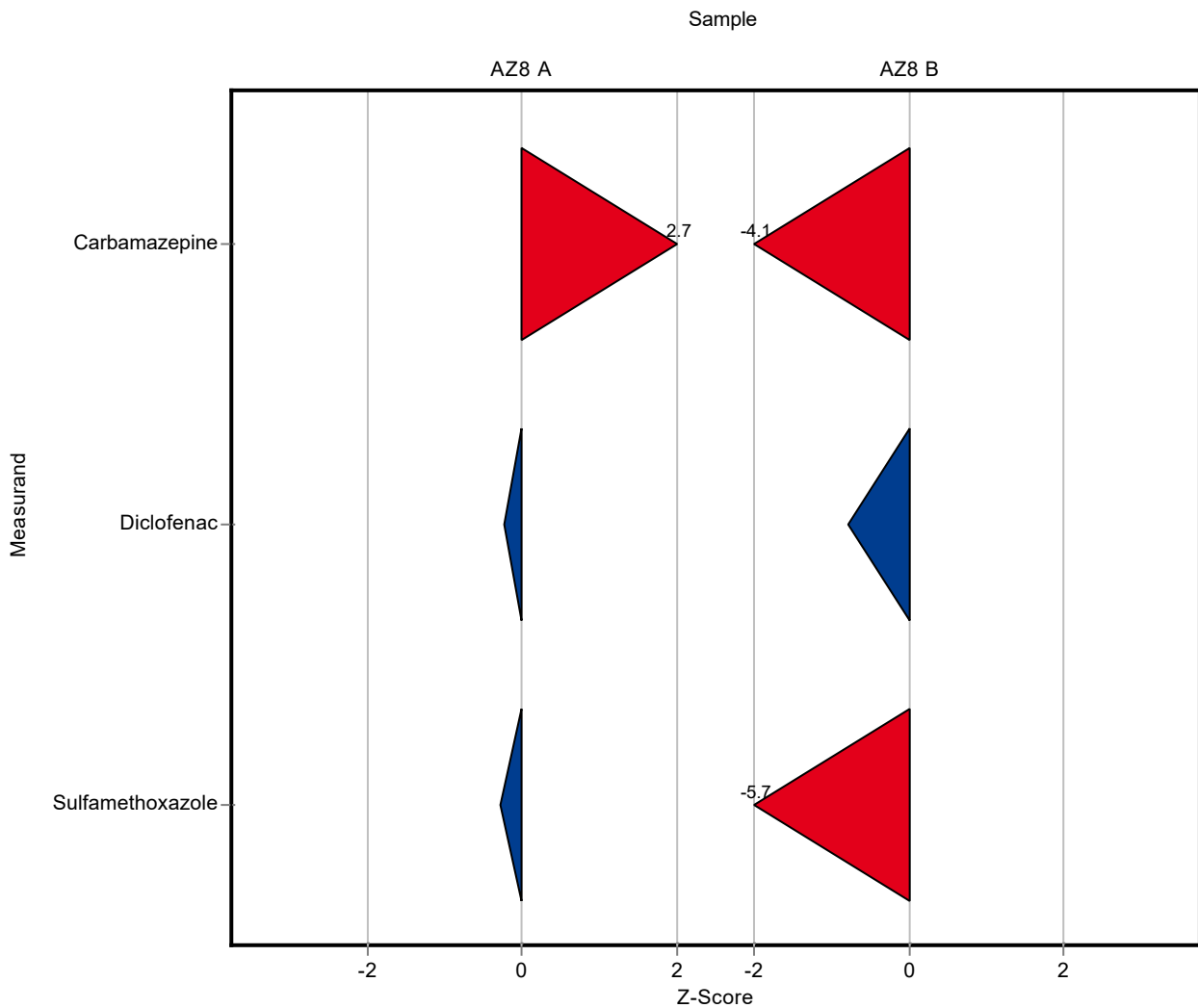
Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	µg/l	0.303 ± 0.0204	- ± -	0.0251	-	-
4-Formylaminoantipyrine	µg/l	0.459 ± 0.035	- ± -	0.0431	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	0.276 ± 0.025	- ± -	0.0332	-	-
Acesulfame	µg/l	1.12 ± 0.0581	- ± -	0.19	-	-
Amidotrizoic acid	µg/l	0.626 ± 0.0895	- ± -	0.157	-	-
Atenolol	µg/l	0.457 ± 0.0445	- ± -	0.0868	-	-
Benzotriazole	µg/l	0.695 ± 0.0439	- ± -	0.0833	-	-
Bisoprolol	µg/l	0.0879 ± 0.00933	- ± -	0.0132	-	-
Carbamazepine	µg/l	0.761 ± 0.0485	1.03 ± 0.2472	0.099	135	2.72
Cyclamate	µg/l	0.912 ± 0.0795	- ± -	0.137	-	-
Diazepam	µg/l	0.595 ± 0.0559	- ± -	0.0833	-	-
Diclofenac	µg/l	0.191 ± 0.0235	0.18 ± 0.0439	0.0497	94.1	-0.23
Ibuprofen	µg/l	0.141 ± 0.0143	- ± -	0.0225	-	-
Iopamidol	µg/l	0.809 ± 0.0289	- ± -	0.0405	-	-
Metoprolol	µg/l	0.318 ± 0.0247	- ± -	0.0794	-	-
Saccharin	µg/l	0.514 ± 0.0512	- ± -	0.113	-	-
Sotalol	µg/l	0.148 ± 0.0207	- ± -	0.0326	-	-
Sucralose	µg/l	1.08 ± 0.213	- ± -	0.325	-	-
Sulfamethoxazole	µg/l	0.29 ± 0.0137	0.28 ± 0.0672	0.0348	96.6	-0.28

Sample: AZ8B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	µg/l	8.27 ± 0.818	- ± -	0.992	-	-
4-Formylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	1.24 ± 0.0727	- ± -	0.0891	-	-
Acesulfame	µg/l	18.8 ± 1.44	- ± -	3.2	-	-
Amidotrizoic acid	µg/l	2.07 ± 0.268	- ± -	0.414	-	-
Atenolol	µg/l	1.17 ± 0.128	- ± -	0.246	-	-



Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Benzotriazole	µg/l	10.6 ± 0.312	- ± -	1.27	-	-
Bisoprolol	µg/l	0.803 ± 0.059	- ± -	0.0779	-	-
Carbamazepine	µg/l	1.22 ± 0.0887	0.57 ± 0.1363	0.158	46.8	-4.09
Cyclamate	µg/l	0.622 ± 0.138	- ± -	0.168	-	-
Diazepam	µg/l	0.572 ± 0.0588	- ± -	0.0858	-	-
Diclofenac	µg/l	2.8 ± 0.158	2.49 ± 0.5971	0.392	88.9	-0.79
Ibuprofen	µg/l	3.45 ± 0.22	- ± -	0.345	-	-
Iopamidol	µg/l	31.7 ± 4.83	- ± -	8.86	-	-
Metoprolol	µg/l	1.09 ± 0.0751	- ± -	0.274	-	-
Saccharin	µg/l	21.9 ± 1.84	- ± -	4.81	-	-
Sotalol	µg/l	0.767 ± 0.0685	- ± -	0.169	-	-
Sucralose	µg/l	10.3 ± 2.31	- ± -	3.1	-	-
Sulfamethoxazole	µg/l	0.769 ± 0.043	0.24 ± 0.0569	0.0922	31.2	-5.73



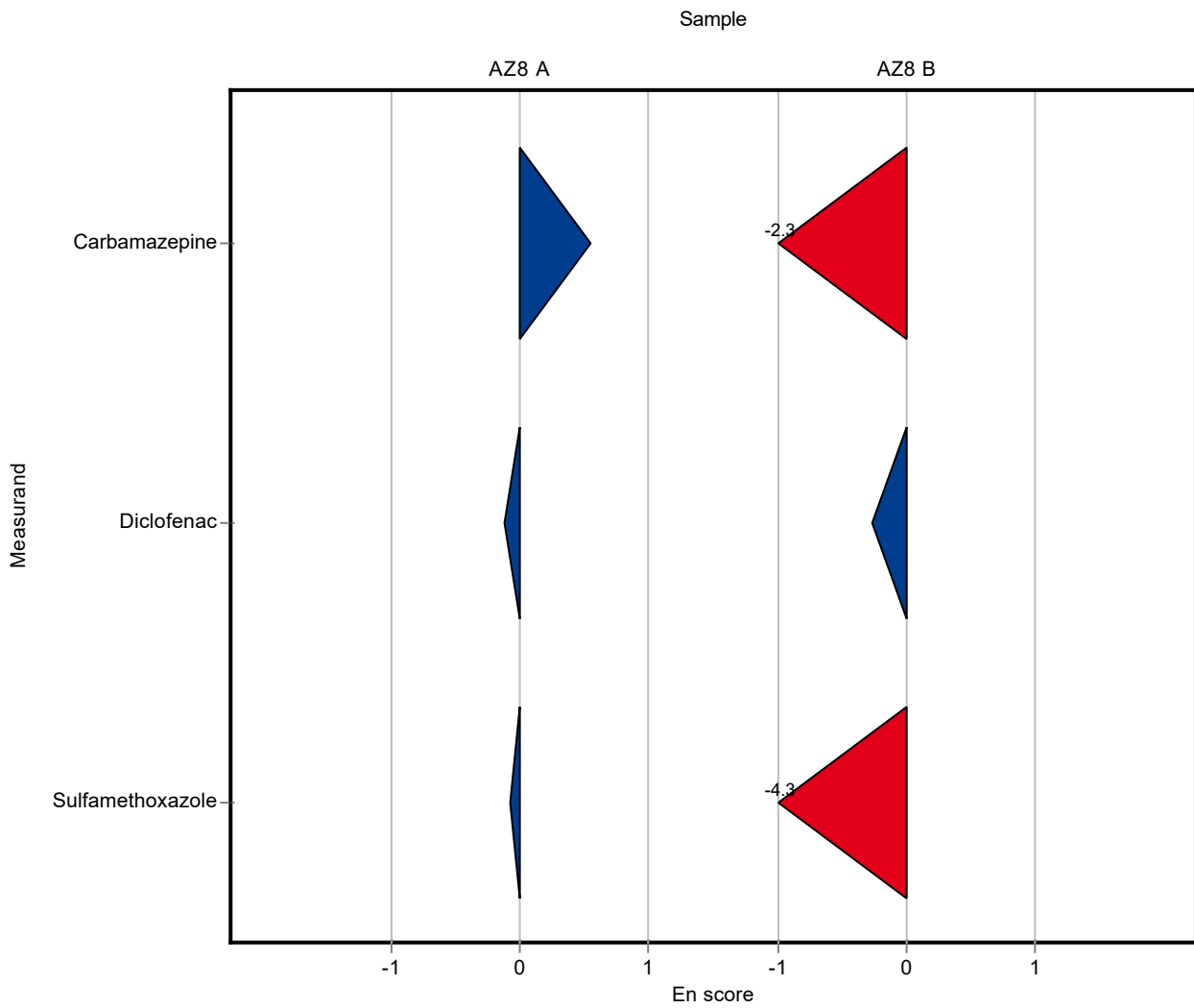
Sample: AZ8A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	µg/l	0.303 ± 0.0204	- ± -	0.0251	-	-
4-Formylaminoantipyrine	µg/l	0.459 ± 0.035	- ± -	0.0431	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	0.276 ± 0.025	- ± -	0.0332	-	-
Acesulfame	µg/l	1.12 ± 0.0581	- ± -	0.19	-	-
Amidotrizoic acid	µg/l	0.626 ± 0.0895	- ± -	0.157	-	-
Atenolol	µg/l	0.457 ± 0.0445	- ± -	0.0868	-	-
Benzotriazole	µg/l	0.695 ± 0.0439	- ± -	0.0833	-	-
Bisoprolol	µg/l	0.0879 ± 0.00933	- ± -	0.0132	-	-
Carbamazepine	µg/l	0.761 ± 0.0485	1.03 ± 0.2472	0.099	135	0.54
Cyclamate	µg/l	0.912 ± 0.0795	- ± -	0.137	-	-
Diazepam	µg/l	0.595 ± 0.0559	- ± -	0.0833	-	-
Diclofenac	µg/l	0.191 ± 0.0235	0.18 ± 0.0439	0.0497	94.1	-0.12
Ibuprofen	µg/l	0.141 ± 0.0143	- ± -	0.0225	-	-
Iopamidol	µg/l	0.809 ± 0.0289	- ± -	0.0405	-	-
Metoprolol	µg/l	0.318 ± 0.0247	- ± -	0.0794	-	-
Saccharin	µg/l	0.514 ± 0.0512	- ± -	0.113	-	-
Sotalol	µg/l	0.148 ± 0.0207	- ± -	0.0326	-	-
Sucralose	µg/l	1.08 ± 0.213	- ± -	0.325	-	-
Sulfamethoxazole	µg/l	0.29 ± 0.0137	0.28 ± 0.0672	0.0348	96.6	-0.07

Sample: AZ8B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	µg/l	8.27 ± 0.818	- ± -	0.992	-	-
4-Formylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	1.24 ± 0.0727	- ± -	0.0891	-	-
Acesulfame	µg/l	18.8 ± 1.44	- ± -	3.2	-	-
Amidotrizoic acid	µg/l	2.07 ± 0.268	- ± -	0.414	-	-
Atenolol	µg/l	1.17 ± 0.128	- ± -	0.246	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion Recovery [%]	En-Score
Benzotriazole	µg/l	10.6 ± 0.312	- ± -	1.27	-
Bisoprolol	µg/l	0.803 ± 0.059	- ± -	0.0779	-
Carbamazepine	µg/l	1.22 ± 0.0887	0.57 ± 0.1363	0.158	46.8
Cyclamate	µg/l	0.622 ± 0.138	- ± -	0.168	-
Diazepam	µg/l	0.572 ± 0.0588	- ± -	0.0858	-
Diclofenac	µg/l	2.8 ± 0.158	2.49 ± 0.5971	0.392	88.9
Ibuprofen	µg/l	3.45 ± 0.22	- ± -	0.345	-
Iopamidol	µg/l	31.7 ± 4.83	- ± -	8.86	-
Metoprolol	µg/l	1.09 ± 0.0751	- ± -	0.274	-
Saccharin	µg/l	21.9 ± 1.84	- ± -	4.81	-
Sotalol	µg/l	0.767 ± 0.0685	- ± -	0.169	-
Sucralose	µg/l	10.3 ± 2.31	- ± -	3.1	-
Sulfamethoxazole	µg/l	0.769 ± 0.043	0.24 ± 0.0569	0.0922	31.2



## E9. Methodenübersicht / Overview of methods

LabCode	Sample	10,11-Dihydro-10,11-Dihydroxycarbamazepine	4-Acetylaminoantipyrine	4-Formylaminoantipyrine	Acesulfame	Amidotrizoic acid
LC0001	AZ8A					
LC0002	AZ8A				LC-MS/MS; IPJ MA 504-854	LC-MS/MS; IPJ MA 504-835
LC0003	AZ8A	LC-HRMS;			LC-HRMS;	
LC0004	AZ8A	LC-MS/MS direct; DIN 38407-47	LC-MS/MS direct; DIN 38407-47	LC-MS/MS direct; DIN 38407-47		
LC0005	AZ8A		LC-MS/MS direct;		LC-MS/MS direct;	
LC0006	AZ8A	LC-HRMS;	LC-HRMS;	LC-HRMS;	LC-HRMS;	LC-HRMS;
LC0007	AZ8A	LC-MS/MS direct; DIN 38407-47	LC-MS/MS direct; DIN 38407-47	LC-MS/MS direct; DIN 38407-47	LC-MS/MS direct; DIN 38407-47	
LC0008	AZ8A				LC-MS/MS direct; DIN 38407-47	LC-MS/MS direct; DIN 38407-47
LC0009	AZ8A	LC-MS/MS direct;	LC-MS/MS direct;	LC-MS/MS direct;	LC-MS (enrichment F10);	LC-MS (enrichment F10);
LC0010	AZ8A				LC-MS/MS;	LC-MS/MS;
LC0011	AZ8A				LC-MS/MS; (house method)	LC-MS/MS; (house method)
LC0012	AZ8A	LC-MS/MS direct;			LC-MS/MS direct;	LC-MS/MS direct;
LC0013	AZ8A	LC-MS/MS direct; DIN 38407-47	LC-MS/MS direct; DIN 38407-47	LC-MS/MS direct; DIN 38407-47	LC-MS/MS; DIN 38407-35	LC-MS/MS direct; DIN 38407-47
LC0014	AZ8A				LC-MS/MS direct; DIN 38407-36	
LC0015	AZ8A		LC-MS/MS;	LC-MS/MS;	LC-MS/MS;	LC-MS/MS;
LC0016	AZ8A				LC-MS/MS; (house method)	LC-MS/MS; (house method)
LC0017	AZ8A					
LC0018	AZ8A	LC-MS/MS direct; ML 074/2			LC-MS/MS direct; ML 074/2	LC-MS/MS direct; ML 074/4
LC0019	AZ8A				LC-MS/MS;	LC-MS/MS;
LC0020	AZ8A					
LC0021	AZ8A					

LabCode	Sample	Atenolol	Benzotriazole	Bisoprolol	Carbamazepine	Cyclamate
LC0001	AZ8A	LC-MS/MS; EPA 1694	LC-MS/MS; EPA 1694		LC-MS/MS; EPA 1694	
LC0002	AZ8A	LC-MS/MS direct; DIN 38407-47	LC-MS/MS; IPJ MA 504-868	LC-MS/MS direct; DIN 38407-47	LC-MS/MS direct; DIN 38407-47	LC-MS/MS; IPJ MA 504-854
LC0003	AZ8A	LC-HRMS;	LC-HRMS;	LC-HRMS;	LC-HRMS;	
LC0004	AZ8A	LC-MS/MS direct; DIN 38407-47		LC-MS/MS direct; DIN 38407-47	LC-MS/MS direct; DIN 38407-47	
LC0005	AZ8A	LC-MS/MS direct;	LC-MS/MS direct;		LC-MS/MS direct;	
LC0006	AZ8A	LC-MS/MS direct; DIN 38407-47	LC-HRMS;	LC-MS/MS direct; DIN 38407-47	LC-HRMS;	LC-MS/MS;
LC0007	AZ8A	LC-MS/MS direct; DIN 38407-47	LC-MS/MS direct; DIN 38407-47	LC-MS/MS direct; DIN 38407-47	LC-MS/MS direct; DIN 38407-47	LC-MS/MS direct; DIN 38407-47
LC0008	AZ8A	LC-MS/MS direct; DIN 38407-47	LC-MS/MS direct; DIN 38407-47		LC-MS/MS direct; DIN 38407-47	LC-MS/MS direct; DIN 38407-47
LC0009	AZ8A		LC-MS/MS direct;		LC-MS/MS direct;	LC-MS (enrichment F10);
LC0010	AZ8A	LC-MS/MS;	LC-MS/MS;		LC-MS/MS;	LC-MS/MS;
LC0011	AZ8A				LC-MS/MS; (house method)	LC-MS/MS; (house method)
LC0012	AZ8A	LC-MS/MS direct;	LC-MS/MS direct;		LC-MS/MS direct;	LC-MS/MS direct;
LC0013	AZ8A	LC-MS/MS direct; DIN 38407-47	LC-MS/MS; DIN 38407-35	LC-MS/MS direct; DIN 38407-47	LC-MS/MS direct; DIN 38407-47	LC-MS/MS; DIN 38407-35
LC0014	AZ8A	LC-MS/MS direct; DIN 38407-36			LC-MS/MS direct; DIN 38407-36	
LC0015	AZ8A	LC-MS/MS;	LC-MS/MS;	LC-MS/MS;	LC-MS/MS;	LC-MS/MS;
LC0016	AZ8A		LC-MS/MS; (house method)		LC-MS/MS; (house method)	
LC0017	AZ8A					
LC0018	AZ8A	LC-MS/MS direct; ML 074/2	LC-MS/MS direct; ML 074/2		LC-MS/MS direct; ML 074/2	LC-MS/MS direct; ML 074/2
LC0019	AZ8A					LC-MS/MS;
LC0020	AZ8A	LC-MS/MS direct; DIN 38407-36		LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36	
LC0021	AZ8A				LC-MS/MS;	

LabCode	Sample	Diazepam	Diclofenac	Ibuprofen	Iopamidol	Metoprolol
LC0001	AZ8A	LC-MS/MS; EPA 1694	LC-MS/MS; EPA 1694		LC-MS/MS; EPA 1694	LC-MS/MS; EPA 1694
LC0002	AZ8A	LC-MS/MS direct; DIN 38407-47	LC-MS/MS direct; DIN 38407-47	LC-MS/MS direct; DIN 38407-47	LC-MS/MS; IPJ MA 504-835	LC-MS/MS direct; DIN 38407-47
LC0003	AZ8A	LC-HRMS;	LC-HRMS;			LC-HRMS;
LC0004	AZ8A	LC-MS/MS direct; DIN 38407-47	LC-MS/MS direct; DIN 38407-47			LC-MS/MS direct; DIN 38407-47
LC0005	AZ8A		LC-MS/MS direct;	LC-MS/MS direct;		LC-MS/MS direct;
LC0006	AZ8A	LC-MS/MS direct; DIN 38407-47	LC-HRMS;	LC-HRMS;	LC-HRMS;	LC-HRMS;
LC0007	AZ8A		LC-MS/MS direct; DIN 38407-47		LC-MS/MS direct; DIN 38407-47	LC-MS/MS direct; DIN 38407-47
LC0008	AZ8A		LC-MS/MS direct; DIN 38407-47		LC-MS/MS direct; DIN 38407-47	LC-MS/MS direct; DIN 38407-47
LC0009	AZ8A	LC-MS/MS direct;	LC-MS/MS direct;		LC-MS (enrichment F10);	LC-MS/MS direct;
LC0010	AZ8A		LC-MS/MS;	LC-MS/MS;	LC-MS/MS;	LC-MS/MS;
LC0011	AZ8A		LC-MS/MS; (house method)	LC-MS/MS; (house method)	LC-MS/MS; (house method)	
LC0012	AZ8A	LC-MS/MS direct;	LC-MS/MS direct;	LC-MS/MS direct;	LC-MS/MS direct;	LC-MS/MS direct;
LC0013	AZ8A	LC-MS/MS direct; DIN 38407-47	LC-MS/MS direct; DIN 38407-47	LC-MS/MS direct; DIN 38407-47	LC-MS/MS direct; DIN 38407-47	LC-MS/MS direct; DIN 38407-47
LC0014	AZ8A		LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36		LC-MS/MS direct; DIN 38407-36
LC0015	AZ8A	LC-MS/MS;	LC-MS/MS;	LC-MS/MS;	LC-MS/MS;	LC-MS/MS;
LC0016	AZ8A		LC-MS/MS; (house method)		LC-MS/MS; (house method)	
LC0017	AZ8A					
LC0018	AZ8A		LC-MS/MS direct; ML 074/2	LC-MS/MS direct; ML 074/4	LC-MS/MS direct; ML 074/4	LC-MS/MS direct; ML 074/2
LC0019	AZ8A				LC-MS/MS;	
LC0020	AZ8A		LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36		LC-MS/MS direct; DIN 38407-36
LC0021	AZ8A		LC-MS/MS;			



LabCode	Sample	Saccharin	Sotalol	Sucralose	Sulfamethoxazole
LC0001	AZ8A		LC-MS/MS; EPA 1694		LC-MS/MS; EPA 1694
LC0002	AZ8A	LC-MS/MS; IPJ MA 504-854	LC-MS/MS direct; DIN 38407-47	LC-MS/MS; IPJ MA 504-854	LC-MS/MS direct; DIN 38407-47
LC0003	AZ8A		LC-HRMS;	LC-HRMS;	LC-HRMS;
LC0004	AZ8A		LC-MS/MS direct; DIN 38407-47		LC-MS/MS direct; DIN 38407-47
LC0005	AZ8A		LC-MS/MS direct;		LC-MS/MS direct;
LC0006	AZ8A	LC-MS/MS;	LC-MS/MS direct; DIN 38407-47		LC-HRMS;
LC0007	AZ8A	LC-MS/MS direct; DIN 38407-47			LC-MS/MS direct; DIN 38407-47
LC0008	AZ8A	LC-MS/MS direct; DIN 38407-47	LC-MS/MS direct; DIN 38407-47	LC-MS/MS direct; DIN 38407-47	LC-MS/MS direct; DIN 38407-47
LC0009	AZ8A	LC-MS (enrichment F10);	LC-MS/MS direct;	LC-MS (enrichment F10);	LC-MS/MS direct;
LC0010	AZ8A	LC-MS/MS;	LC-MS/MS;	LC-MS/MS;	LC-MS/MS;
LC0011	AZ8A	LC-MS/MS; (house method)		LC-MS/MS; (house method)	LC-MS/MS; (house method)
LC0012	AZ8A	LC-MS/MS direct;	LC-MS/MS direct;	LC-MS/MS direct;	LC-MS/MS direct;
LC0013	AZ8A	LC-MS/MS; DIN 38407-35	LC-MS/MS direct; DIN 38407-47	LC-MS/MS; DIN 38407-35	LC-MS/MS direct; DIN 38407-47
LC0014	AZ8A		LC-MS/MS direct; DIN 38407-36		LC-MS/MS direct; DIN 38407-36
LC0015	AZ8A	LC-MS/MS;	LC-MS/MS;	LC-MS/MS;	LC-MS/MS;
LC0016	AZ8A				LC-MS/MS; (house method)
LC0017	AZ8A				
LC0018	AZ8A		LC-MS/MS direct; ML 074/2	LC-MS/MS direct; ML 074/2	LC-MS/MS direct; ML 074/2
LC0019	AZ8A	LC-MS/MS;		LC-MS/MS;	LC-MS/MS;
LC0020	AZ8A		LC-MS/MS direct; DIN 38407-36		LC-MS/MS direct; DIN 38407-36
LC0021	AZ8A				LC-MS/MS;

LabCode	Sample	10,11-Dihydro-10,11-Dihydroxycarbamazepine	4-Acetylaminoantipyrine	4-Formylaminoantipyrine	Acesulfame	Amidotrizoic acid
LC0001	AZ8B					
LC0002	AZ8B				LC-MS/MS; IPJ MA 504-854	LC-MS/MS; IPJ MA 504-835
LC0003	AZ8B	LC-HRMS;			LC-HRMS;	
LC0004	AZ8B	LC-MS/MS direct; DIN 38407-47	LC-MS/MS direct; DIN 38407-47	LC-MS/MS direct; DIN 38407-47		
LC0005	AZ8B		LC-MS/MS direct;		LC-MS/MS direct;	
LC0006	AZ8B	LC-HRMS;	LC-HRMS;	LC-HRMS;	LC-HRMS;	LC-HRMS;
LC0007	AZ8B	LC-MS/MS direct; DIN 38407-47	LC-MS/MS direct; DIN 38407-47	LC-MS/MS direct; DIN 38407-47	LC-MS/MS direct; DIN 38407-47	
LC0008	AZ8B				LC-MS/MS direct; DIN 38407-47	LC-MS/MS direct; DIN 38407-47
LC0009	AZ8B	LC-MS/MS direct;		LC-MS/MS direct;	LC-MS (enrichment F10);	LC-MS (enrichment F10);
LC0010	AZ8B				LC-MS/MS;	LC-MS/MS;
LC0011	AZ8B					
LC0012	AZ8B	LC-MS/MS direct;			LC-MS/MS direct;	LC-MS/MS direct;
LC0013	AZ8B	LC-MS/MS direct; DIN 38407-47	LC-MS/MS direct; DIN 38407-47	LC-MS/MS direct; DIN 38407-47	LC-MS/MS; DIN 38407-35	LC-MS/MS direct; DIN 38407-47
LC0014	AZ8B					
LC0015	AZ8B		LC-MS/MS;	LC-MS/MS;	LC-MS/MS;	LC-MS/MS;
LC0016	AZ8B				LC-MS/MS; (house method)	LC-MS/MS; (house method)
LC0017	AZ8B					
LC0018	AZ8B	LC-MS/MS direct; ML 074/2			LC-MS/MS direct; ML 074/2	LC-MS/MS direct; ML 074/4
LC0019	AZ8B				LC-MS/MS;	LC-MS/MS;
LC0020	AZ8B					
LC0021	AZ8B					

LabCode	Sample	Atenolol	Benzotriazole	Bisoprolol	Carbamazepine	Cyclamate
LC0001	AZ8B	LC-MS/MS; EPA 1694	LC-MS/MS; EPA 1694		LC-MS/MS; EPA 1694	
LC0002	AZ8B	LC-MS/MS direct; DIN 38407-47	LC-MS/MS; IPJ MA 504-868	LC-MS/MS direct; DIN 38407-47	LC-MS/MS direct; DIN 38407-47	LC-MS/MS; IPJ MA 504-854
LC0003	AZ8B	LC-HRMS;	LC-HRMS;	LC-HRMS;	LC-HRMS;	
LC0004	AZ8B	LC-MS/MS direct; DIN 38407-47		LC-MS/MS direct; DIN 38407-47	LC-MS/MS direct; DIN 38407-47	
LC0005	AZ8B	LC-MS/MS direct;	LC-MS/MS direct;		LC-MS/MS direct;	
LC0006	AZ8B	LC-MS/MS direct; DIN 38407-47	LC-HRMS;	LC-MS/MS direct; DIN 38407-47	LC-HRMS;	LC-MS/MS;
LC0007	AZ8B	LC-MS/MS direct; DIN 38407-47	LC-MS/MS direct; DIN 38407-47	LC-MS/MS direct; DIN 38407-47	LC-MS/MS direct; DIN 38407-47	LC-MS/MS direct; DIN 38407-47
LC0008	AZ8B	LC-MS/MS direct; DIN 38407-47	LC-MS/MS direct; DIN 38407-47		LC-MS/MS direct; DIN 38407-47	LC-MS/MS direct; DIN 38407-47
LC0009	AZ8B				LC-MS/MS direct;	LC-MS (enrichment F10);
LC0010	AZ8B	LC-MS/MS;	LC-MS/MS;		LC-MS/MS;	LC-MS/MS;
LC0011	AZ8B					
LC0012	AZ8B	LC-MS/MS direct;	LC-MS/MS direct;		LC-MS/MS direct;	LC-MS/MS direct;
LC0013	AZ8B	LC-MS/MS direct; DIN 38407-47	LC-MS/MS; DIN 38407-35	LC-MS/MS direct; DIN 38407-47	LC-MS/MS direct; DIN 38407-47	LC-MS/MS; DIN 38407-35
LC0014	AZ8B	LC-MS/MS direct; DIN 38407-36			LC-MS/MS direct; DIN 38407-36	
LC0015	AZ8B	LC-MS/MS;	LC-MS/MS;	LC-MS/MS;	LC-MS/MS;	LC-MS/MS;
LC0016	AZ8B		LC-MS/MS; (house method)		LC-MS/MS; (house method)	
LC0017	AZ8B					
LC0018	AZ8B	LC-MS/MS direct; ML 074/2	LC-MS/MS direct; ML 074/2		LC-MS/MS direct; ML 074/2	LC-MS/MS direct; ML 074/2
LC0019	AZ8B					LC-MS/MS;
LC0020	AZ8B	LC-MS/MS direct; DIN 38407-36		LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36	
LC0021	AZ8B				LC-MS/MS;	

LabCode	Sample	Diazepam	Diclofenac	Ibuprofen	Iopamidol	Metoprolol
LC0001	AZ8B	LC-MS/MS; EPA 1694	LC-MS/MS; EPA 1694		LC-MS/MS; EPA 1694	LC-MS/MS; EPA 1694
LC0002	AZ8B	LC-MS/MS direct; DIN 38407-47	LC-MS/MS direct; DIN 38407-47	LC-MS/MS direct; DIN 38407-47	LC-MS/MS; IPJ MA 504-835	LC-MS/MS direct; DIN 38407-47
LC0003	AZ8B	LC-HRMS;	LC-HRMS;			LC-HRMS;
LC0004	AZ8B	LC-MS/MS direct; DIN 38407-47	LC-MS/MS direct; DIN 38407-47	LC-MS/MS direct; DIN 38407-47		LC-MS/MS direct; DIN 38407-47
LC0005	AZ8B		LC-MS/MS direct;	LC-MS/MS direct;		LC-MS/MS direct;
LC0006	AZ8B	LC-MS/MS direct; DIN 38407-47	LC-HRMS;	LC-MS/MS direct; DIN 38407-47	LC-HRMS;	LC-HRMS;
LC0007	AZ8B		LC-MS/MS direct; DIN 38407-47		LC-MS/MS direct; DIN 38407-47	LC-MS/MS direct; DIN 38407-47
LC0008	AZ8B		LC-MS/MS direct; DIN 38407-47		LC-MS/MS direct; DIN 38407-47	LC-MS/MS direct; DIN 38407-47
LC0009	AZ8B	LC-MS/MS direct;	LC-MS/MS direct;		LC-MS (enrichment F10);	LC-MS/MS direct;
LC0010	AZ8B		LC-MS/MS;	LC-MS/MS;	LC-MS/MS;	LC-MS/MS;
LC0011	AZ8B					
LC0012	AZ8B	LC-MS/MS direct;	LC-MS/MS direct;	LC-MS/MS direct;	LC-MS/MS direct;	LC-MS/MS direct;
LC0013	AZ8B	LC-MS/MS direct; DIN 38407-47	LC-MS/MS direct; DIN 38407-47	LC-MS/MS direct; DIN 38407-47	LC-MS/MS direct; DIN 38407-47	LC-MS/MS direct; DIN 38407-47
LC0014	AZ8B		LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36		LC-MS/MS direct; DIN 38407-36
LC0015	AZ8B	LC-MS/MS;	LC-MS/MS;	LC-MS/MS;	LC-MS/MS;	LC-MS/MS;
LC0016	AZ8B		LC-MS/MS; (house method)		LC-MS/MS; (house method)	
LC0017	AZ8B					
LC0018	AZ8B		LC-MS/MS direct; ML 074/2	LC-MS/MS direct; ML 074/4	LC-MS/MS direct; ML 074/4	LC-MS/MS direct; ML 074/2
LC0019	AZ8B				LC-MS/MS;	
LC0020	AZ8B		LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36		LC-MS/MS direct; DIN 38407-36
LC0021	AZ8B		LC-MS/MS;			

LabCode	Sample	Saccharin	Sotalol	Sucralose	Sulfamethoxazole
LC0001	AZ8B		LC-MS/MS; EPA 1694		LC-MS/MS; EPA 1694
LC0002	AZ8B	LC-MS/MS; IPJ MA 504-854	LC-MS/MS direct; DIN 38407-47	LC-MS/MS; IPJ MA 504-854	LC-MS/MS direct; DIN 38407-47
LC0003	AZ8B		LC-HRMS;	LC-HRMS;	
LC0004	AZ8B		LC-MS/MS direct; DIN 38407-47		LC-MS/MS direct; DIN 38407-47
LC0005	AZ8B		LC-MS/MS direct;		LC-MS/MS direct;
LC0006	AZ8B	LC-MS/MS;	LC-MS/MS direct; DIN 38407-47		LC-MS/MS direct; DIN 38407-47
LC0007	AZ8B	LC-MS/MS direct; DIN 38407-47			LC-MS/MS direct; DIN 38407-47
LC0008	AZ8B	LC-MS/MS direct; DIN 38407-47	LC-MS/MS direct; DIN 38407-47	LC-MS/MS direct; DIN 38407-47	LC-MS/MS direct; DIN 38407-47
LC0009	AZ8B	LC-MS (enrichment F10);	LC-MS/MS direct;	LC-MS (enrichment F10);	LC-MS/MS direct;
LC0010	AZ8B	LC-MS/MS;	LC-MS/MS;	LC-MS/MS;	LC-MS/MS;
LC0011	AZ8B				
LC0012	AZ8B	LC-MS/MS direct;	LC-MS/MS direct;	LC-MS/MS direct;	LC-MS/MS direct;
LC0013	AZ8B	LC-MS/MS; DIN 38407-35	LC-MS/MS direct; DIN 38407-47	LC-MS/MS; DIN 38407-35	LC-MS/MS direct; DIN 38407-47
LC0014	AZ8B		LC-MS/MS direct; DIN 38407-36		LC-MS/MS direct; DIN 38407-36
LC0015	AZ8B	LC-MS/MS;	LC-MS/MS;	LC-MS/MS;	LC-MS/MS;
LC0016	AZ8B				LC-MS/MS; (house method)
LC0017	AZ8B				
LC0018	AZ8B		LC-MS/MS direct; ML 074/2	LC-MS/MS direct; ML 074/2	LC-MS/MS direct; ML 074/2
LC0019	AZ8B	LC-MS/MS;		LC-MS/MS;	LC-MS/MS;
LC0020	AZ8B		LC-MS/MS direct; DIN 38407-36		LC-MS/MS direct; DIN 38407-36
LC0021	AZ8B				LC-MS/MS;