

**Proficiency Testing Scheme für die
Wasseranalytik - Realproben
AZ7 Arzneimittel, Industriechemikalien und
Zuckerersatzstoffe**

**Proficiency Testing Scheme for Water
Analysis - natural water samples
AZ7 Pharmaceuticals, industrial chemicals and
artificial sweeteners**

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D1. Beschreibung des Ringversuchs

D1.1. Ausgestaltung und Durchführung

- Anzahl der Anmeldungen: 16
- Anzahl der übermittelten Datensätze: 16
- Probenversand: 09.06.2020
- Einsendeschluss der Daten: 07.07.2020

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 05.06.2020 und die Probenahme von gereinigtem Abwasser erfolgte am 05.06.2020. Das Probenmaterial umfasste:

- 1 Probe Oberflächenwasser (AZ7 A)
- 1 Probe gereinigtes Abwasser (AZ7 B)

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

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

Die homogenen Prüfgegenstände wurden am 09.06.2020 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 17.06.2020 mit den Analysen zu beginnen.

Den Teilnehmern stand die Wahl der Analyseverfahren 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 (17.06.2020), die Analysen wurden im Zeitraum 09.07.-15.07.2020 abgeschlossen (Acesulfam AZ7A 09.07.2020, Saccharin AZ7A, B 14.07.-15.07.2020).

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 07.07.2020 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 eingestuften 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_n-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_n-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_n-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 Amidotrizoesäure, Diclofenac, Sulfamethoxazol, Benzotriazol, Acesulfam, Cyclamat und Sucralose Probe AZ7 A und Parameter Amidotrizoesäure, Carbamazepin, Diclofenac, Iopamidol, Sulfamethoxazol, Benzotriazol, Acesulfam und Atenolol Probe AZ7 B: 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.

Bei Ibuprofen Probe AZ7 B lagen die Daten der Teilnehmerergebnisse eng beieinander, daher wurden die Hampel-Ausreißer zusätzlich nach Dean-Dixon (0,05) geprüft und die Ergebnisse von LC0002 dem Datensatz wieder zugeordnet (kein

Dean-Dixon-Ausreißer). Analog erfolgte die Prüfung der zunächst definierten Hampel-Ausreißer bei 10,11-Dihydroxo-10,11-Dihydroxycarbamazepin bei Probe AZ7 B und die Ergebnisse von LC0007 und LC0010 (keine Dean-Dixon-Ausreißer 0,05) wurden dem Datensatz zugeordnet.

Parameter Bisoprolol, Diazepam und Saccharin Probe AZ7 A sowie 4-Formylaminoantipyrin, Bisoprolol und Sucralose: Aufgrund einer geringen Anzahl an übermittelten gültigen Teilnehmerergebnissen bzw. aufgrund des geringen Gehaltes in den Proben konnte kein Sollwert berechnet werden. Für diese 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

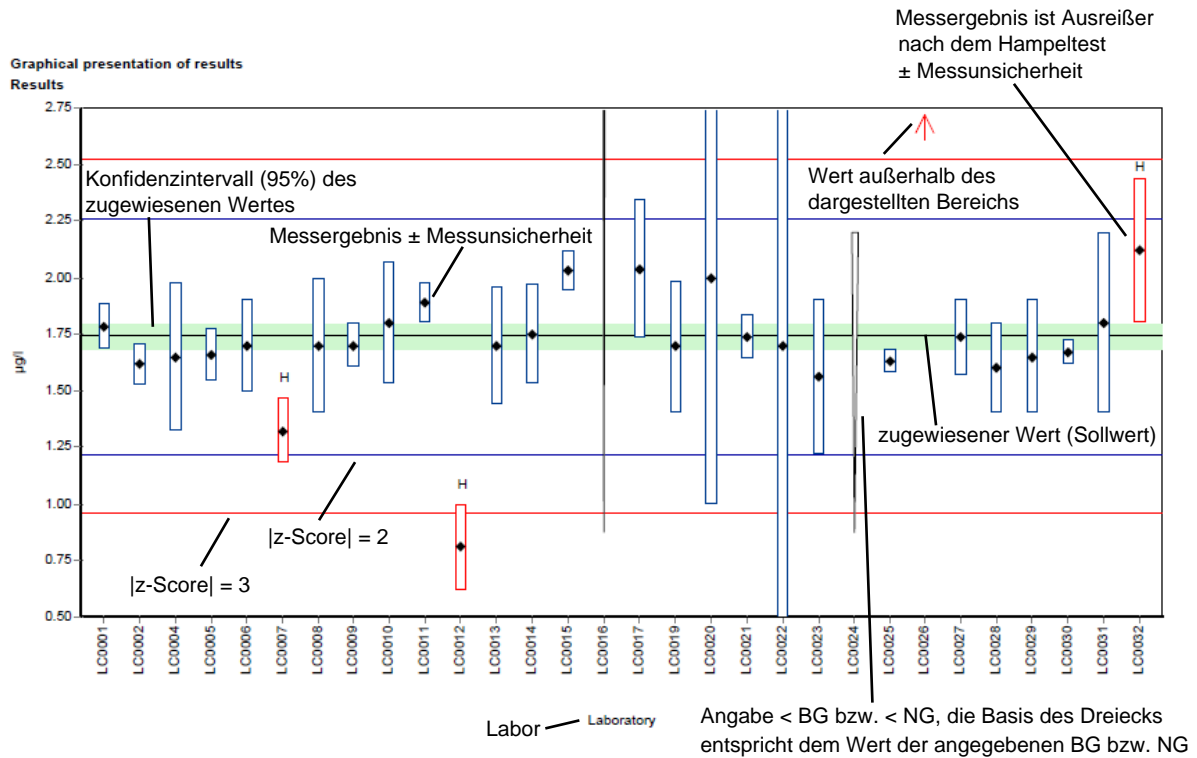
	aktuellen Ringversuchs bezogen auf den Mittelwert (angegeben auf 2 signifikante Stellen)
Kontrollwert \pm U (k=2)	Mittelwert der Kontrollmessungen des Veranstalters \pm erweiterte Ergebnisunsicherheit des Kontrollwertes (jeweils angegeben auf 3 signifikante Stellen)
Laborcode	anonymisierte, eindeutige 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 Eignungsprüfungen 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 _n -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 _n -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

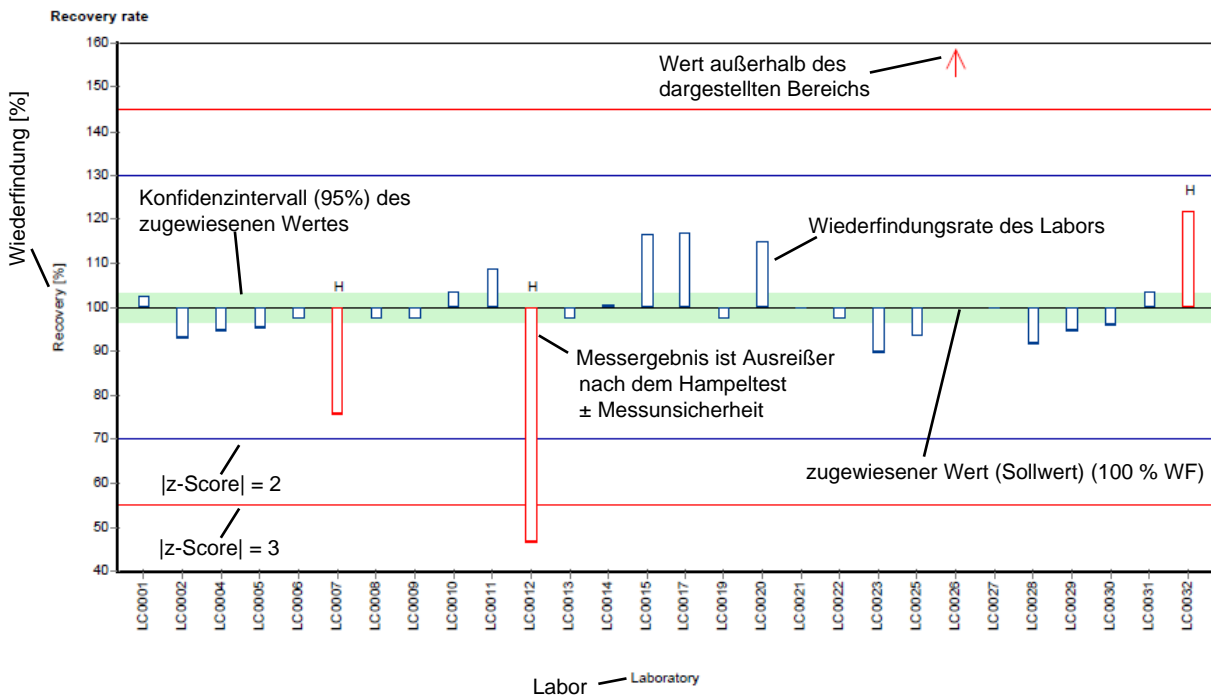
Nachfolgend wird die graphische Darstellung anhand von kommentierten Beispieldiagrammen erläutert.

Beispieldiagramm: Messwerte



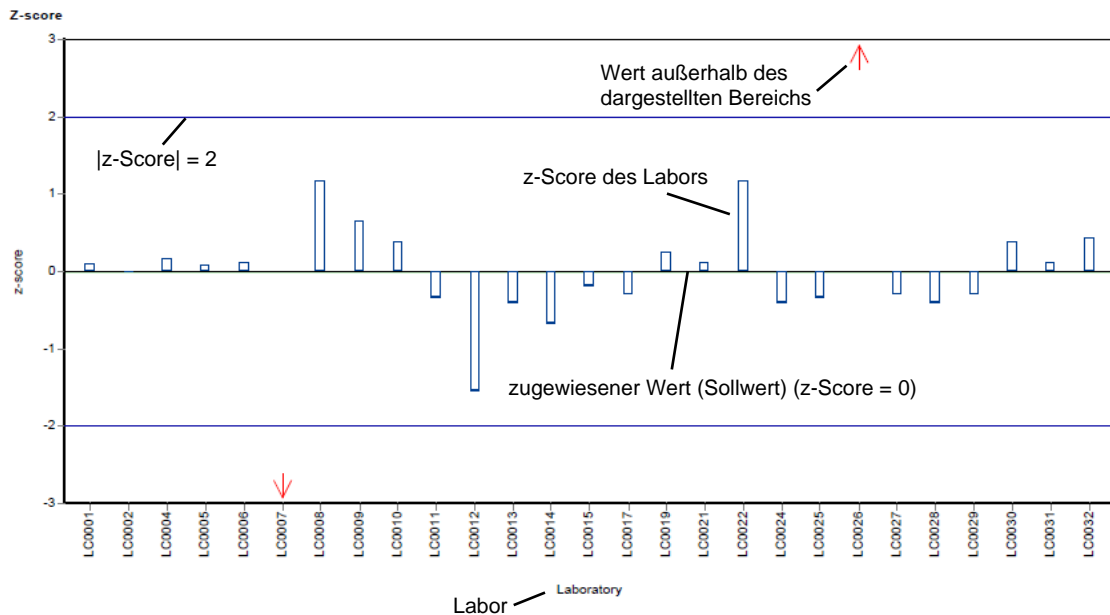
Unterschiedliche Analysenmethoden werden mit unterschiedlichen Farben kenntlich gemacht.

Beispieldiagramm: Wiederfindung zum zugewiesenen Wert



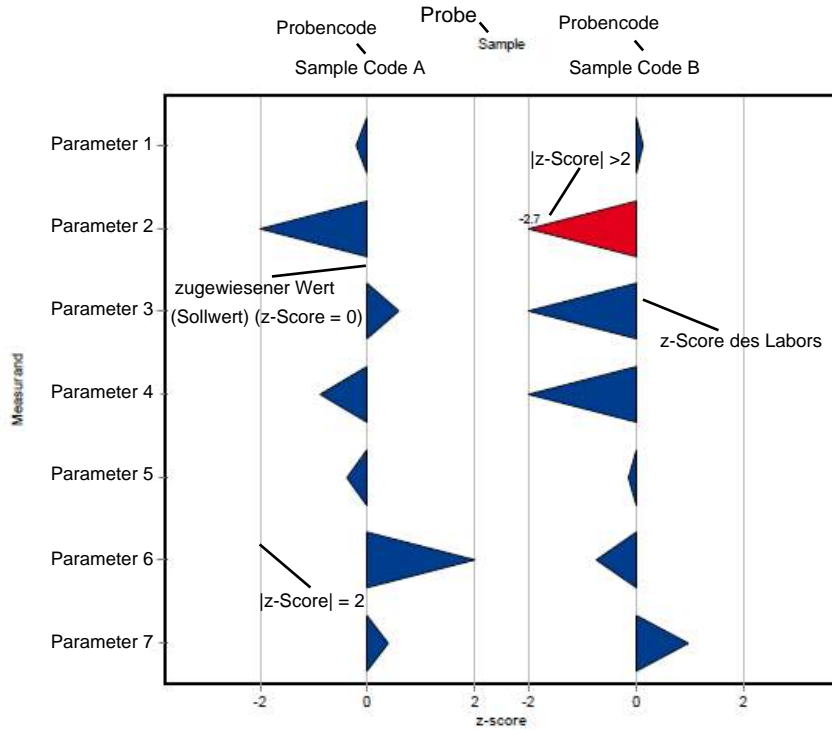
Unterschiedliche Analysenmethoden werden mit unterschiedlichen Farben kenntlich gemacht.

Beispieldiagramm: z-Score

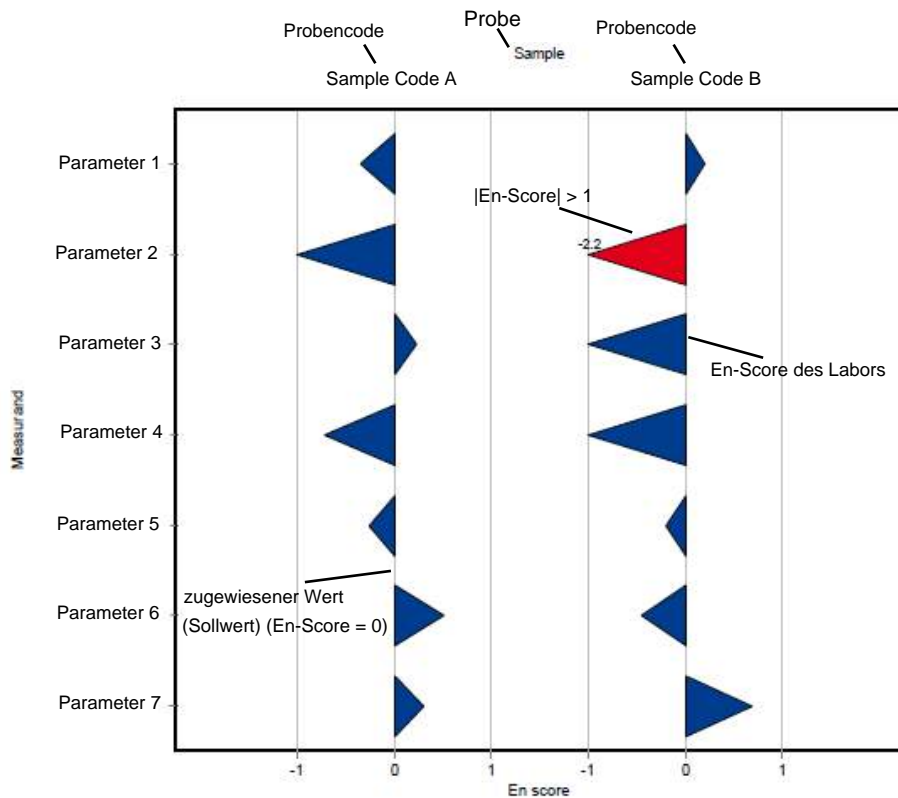


Unterschiedliche Analysenmethoden werden mit unterschiedlichen Farben kenntlich gemacht.

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	AZ7 A	µg/l	0.0407	±	0.00447	0.0067	16
	AZ7 B	µg/l	4.4	±	0.419	0.592	13
4-Formylaminoantipyrin	AZ7 A	µg/l	0.249	±	0.0291	0.0385	15
	AZ7 B	µg/l	-	±	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepin	AZ7 A	µg/l	0.0843	±	0.0124	0.0175	21
	AZ7 B	µg/l	1.06	±	0.194	0.258	24
Acesulfam	AZ7 A	µg/l	0.0657	±	0.00386	0.0112	17
	AZ7 B	µg/l	1.97	±	0.102	0.336	17
Amidotrizoesäure	AZ7 A	µg/l	0.464	±	0.0635	0.0876	19
	AZ7 B	µg/l	1.09	±	0.223	0.378	35
Atenolol	AZ7 A	µg/l	0.316	±	0.0247	0.0349	11
	AZ7 B	µg/l	0.377	±	0.0648	0.0792	21
Benzotriazol	AZ7 A	µg/l	0.147	±	0.00852	0.0177	12
	AZ7 B	µg/l	11.1	±	0.511	1.33	12
Bisoprolol	AZ7 A	µg/l	-	±	-	-	-
	AZ7 B	µg/l	-	±	-	-	-
Carbamazepin	AZ7 A	µg/l	0.301	±	0.0116	0.0391	13
	AZ7 B	µg/l	0.426	±	0.0317	0.0554	13
Cyclamat	AZ7 A	µg/l	0.0311	±	0.00459	0.00533	17
	AZ7 B	µg/l	0.276	±	0.0279	0.0369	13
Diazepam	AZ7 A	µg/l	-	±	-	-	-
	AZ7 B	µg/l	0.382	±	0.0467	0.0618	16
Diclofenac	AZ7 A	µg/l	0.229	±	0.0172	0.0321	14
	AZ7 B	µg/l	2.84	±	0.103	0.398	14
Ibuprofen	AZ7 A	µg/l	0.272	±	0.0143	0.0226	8.3
	AZ7 B	µg/l	0.0835	±	0.00942	0.0117	14
Iopamidol	AZ7 A	µg/l	0.314	±	0.0414	0.0687	22
	AZ7 B	µg/l	32.8	±	7.95	11.3	35
Metoprolol	AZ7 A	µg/l	0.147	±	0.0105	0.0368	25
	AZ7 B	µg/l	0.235	±	0.0183	0.0587	25
Saccharin	AZ7 A	µg/l	-	±	-	-	-
	AZ7 B	µg/l	1.39	±	0.0833	0.306	22
Sotalol	AZ7 A	µg/l	0.167	±	0.0145	0.0368	22
	AZ7 B	µg/l	0.206	±	0.0241	0.0452	22
Sucralose	AZ7 A	µg/l	0.337	±	0.0483	0.101	30
	AZ7 B	µg/l	-	±	-	-	-
Sulfamethoxazol	AZ7 A	µg/l	0.208	±	0.0115	0.0249	12
	AZ7 B	µg/l	0.0444	±	0.00343	0.00532	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	AZ7 A	9	0	µg/l	0.0407	± 0.0067	0.03	0.05	0.0067	16
	AZ7 B	8	0	µg/l	4.4	± 0.628	3.19	5.22	0.592	13
4-Formylaminoantipyrin	AZ7 A	7	0	µg/l	0.249	± 0.0437	0.194	0.318	0.0385	15
	AZ7 B	5	1	µg/l	-	± -	3.3	3.8	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepin	AZ7 A	8	0	µg/l	0.0843	± 0.0186	0.059	0.111	0.0175	21
	AZ7 B	7	0	µg/l	1.06	± 0.292	0.826	1.58	0.257	24
Acesulfam	AZ7 A	14	0	µg/l	0.0657	± 0.00563	0.051	0.074	0.00702	11
	AZ7 B	12	0	µg/l	2.03	± 0.16	1.71	2.35	0.185	9.1
Amidotrizoessäure	AZ7 A	11	1	µg/l	0.459	± 0.0784	0.301	0.643	0.0866	19
	AZ7 B	11	0	µg/l	1.03	± 0.323	0.319	1.56	0.358	35
Atenolol	AZ7 A	8	0	µg/l	0.316	± 0.037	0.27	0.366	0.0349	11
	AZ7 B	8	0	µg/l	0.383	± 0.072	0.288	0.506	0.0679	18
Benzotriazol	AZ7 A	13	0	µg/l	0.146	± 0.0103	0.12	0.16	0.0123	8.4
	AZ7 B	12	0	µg/l	11	± 0.59	9.96	12.5	0.681	6.2
Bisoprolol	AZ7 A	3	0	µg/l	-	± -	0.132	0.151	-	-
	AZ7 B	3	0	µg/l	-	± -	0.254	0.29	-	-
Carbamazepin	AZ7 A	15	0	µg/l	0.301	± 0.0173	0.257	0.34	0.0224	7.4
	AZ7 B	14	0	µg/l	0.414	± 0.0389	0.34	0.48	0.0485	12
Cyclamat	AZ7 A	9	0	µg/l	0.0313	± 0.00537	0.021	0.04	0.00537	17
	AZ7 B	7	0	µg/l	0.276	± 0.0418	0.217	0.317	0.0369	13
Diazepam	AZ7 A	0	0	µg/l	-	± -	-	-	-	-
	AZ7 B	7	0	µg/l	0.382	± 0.0701	0.284	0.46	0.0618	16
Diclofenac	AZ7 A	16	0	µg/l	0.229	± 0.023	0.194	0.302	0.0307	13
	AZ7 B	13	2	µg/l	2.82	± 0.12	2.57	3.06	0.144	5.1
Ibuprofen	AZ7 A	10	0	µg/l	0.272	± 0.0215	0.242	0.309	0.0226	8.3
	AZ7 B	6	1	µg/l	0.0835	± 0.0141	0.074	0.105	0.0115	14

Parameter	Probe	Anzahl Labors für Berechnung	Anzahl Ausreißer Labors	Einheit	Mittelwert	± VB (99%)	Minimum	Maximum	sR	vR [%]
Iopamidol	AZ7 A	11	0	µg/l	0.314	± 0.0621	0.199	0.421	0.0687	22
	AZ7 B	10	0	µg/l	29	± 9.5	11.4	45.2	10	35
Metoprolol	AZ7 A	13	1	µg/l	0.147	± 0.0158	0.11	0.19	0.0189	13
	AZ7 B	12	1	µg/l	0.235	± 0.0274	0.192	0.305	0.0316	13
Saccharin	AZ7 A	5	1	µg/l	-	± -	0.016	0.019	-	-
	AZ7 B	6	0	µg/l	1.39	± 0.125	1.29	1.56	0.102	7.3
Sotalol	AZ7 A	11	0	µg/l	0.167	± 0.0217	0.133	0.206	0.024	14
	AZ7 B	10	0	µg/l	0.206	± 0.0361	0.16	0.265	0.0381	19
Sucralose	AZ7 A	7	0	µg/l	0.345	± 0.0666	0.226	0.398	0.0587	17
	AZ7 B	5	1	µg/l	-	± -	10.2	12.4	-	-
Sulfamethoxazol	AZ7 A	14	0	µg/l	0.206	± 0.0145	0.18	0.239	0.018	8.8
	AZ7 B	10	2	µg/l	0.042	± 0.00631	0.0295	0.05	0.00665	16

E1. Description of the proficiency test

E1.1. Design and implementation

- Number of registrations: 16
- Number of submitted data records: 16
- Dispatch of samples: 09th June 2020
- Closing date for submission of data: 07th July 2020

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 the municipal waste water was carried out on 05th of June 2020.

The following samples were made available

- 1 sample surface water (AZ7 A)
- 1 sample municipal waste water (AZ7 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 09th June 2020.

Each participant received:

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

E1.3. Instructions for the participants

For reasons of stability, it was recommended to start the analysis by the 17th June 2020 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 (17.06.2020), the control testing was finalized between 09th of July and 15th of July 2020 (Acesulfam AZ7A 09.07.2020, Saccharin AZ7A, B 14.07.-15.07.2020).

During evaluation the relative standard deviation between the individual results of the control test samples were assessed 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 07th July 2020. 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 to 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_n-Score

Since 2019 additional assessment of the participants' results using E_n-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_n-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 (sR) of the current proficiency testing.

Parameters amidotrizoic acid, diclofenac, sulfamethoxazole, benzotriazole, acesulfame, cyclamate and sucralose sample AZ7 A and parameters amidotrizoic acid carbamazepine, diclofenac, iopamidol, sulfamethoxazole, benzotriazole, acesulfame and atenolol sample AZ7 B: The assigned values calculated based on the participant results were outside the measurement uncertainty of the control 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.

For Ibuprofen (sample AZ7 B) and 10,11-Dihydro-10,11-Dihydroxycarbamazepine (AZ 7 B) many similar results lead to additional outlier tests according to Dean-Dixon ($\alpha=0.05$). Finally for Ibuprofen results of LC0002 and for 10,11-Dihydro-10,11-Dihydroxycarbamazepine LC0007 and LC0010 (no outliers according to Dean-Dixon) were evaluated within the dataset.

Parameter bisoprolol, diazepam and saccharin sample AZ7 A and 4-Formylaminoantipyrine, bisoprolol and sucralose sample AZ7 B: Assigned values were not calculated because of the small number of submitted valid results or because of the low content of substances in the samples. For these parameters, we recommend to compare your results with the control test values.

E5. Annotations on tables and charts

E5.1. Information and abbreviations in tables

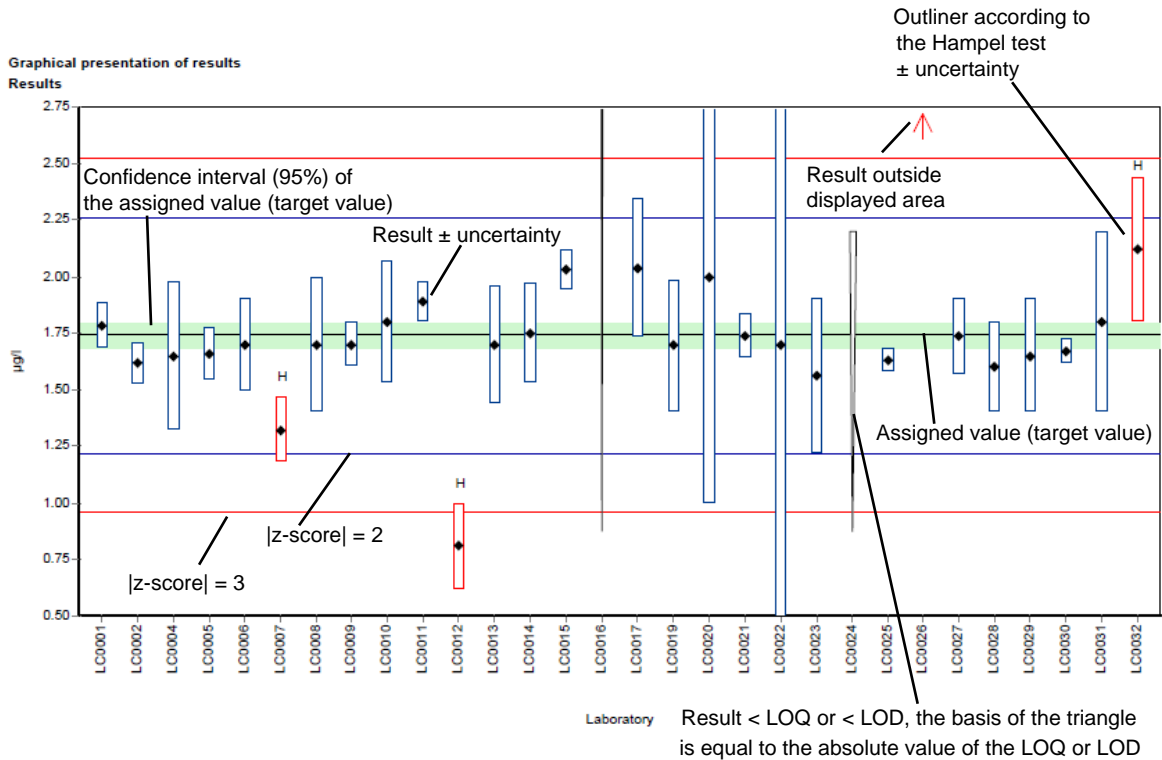
Parameter	Analyte identifier
Sample	Sample identifier
Unit	Given unit for result and uncertainty (e.g. $\mu\text{g/l}$)
Assigned value	Target value for proficiency assessment of the participants (3 significant digits)
U (k=2)	Expanded uncertainty (k=2) of the assigned value (3 significant digits)
Criteria	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 _n -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 _n -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

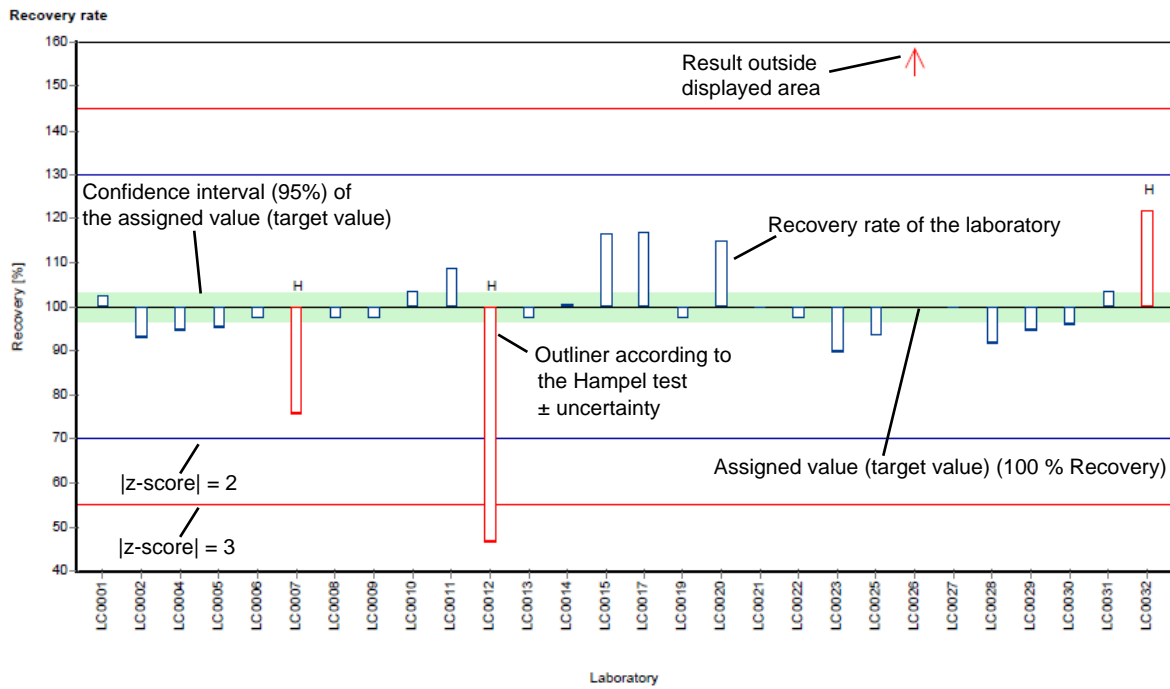
The graphic representation in the report is explained below by means of commented example diagrams:

Example chart: Results



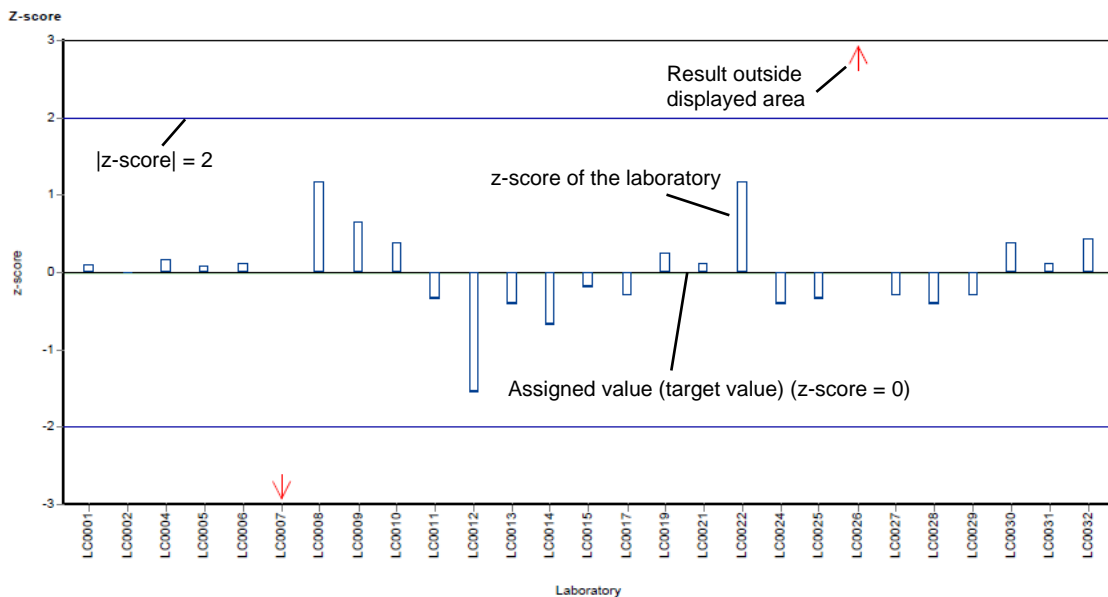
Different analysis methods are represented with different colors.

Example chart: Recovery



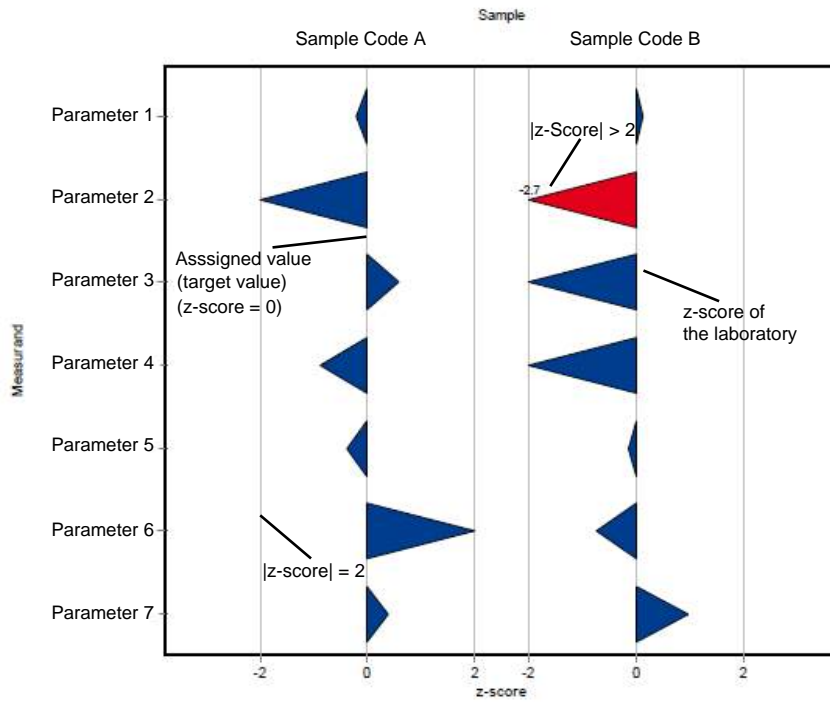
Different analysis methods are represented with different colors.

Example chart: z-score

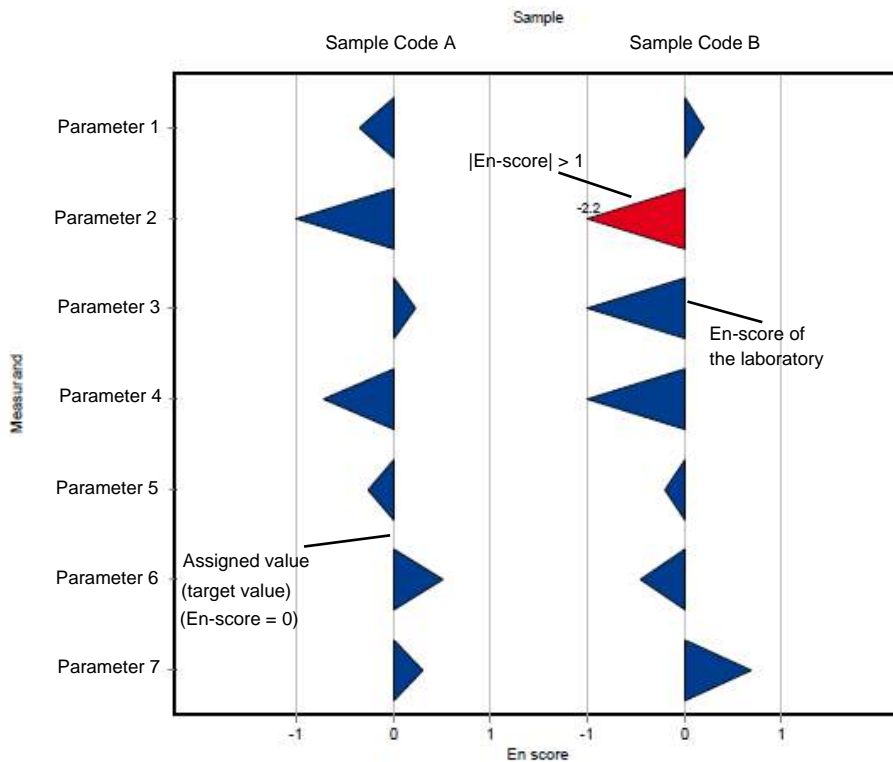


Different analysis methods are represented with different colors.

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	AZ7 A	µg/l	0.0407	± 0.00447	0.0067	16	
	AZ7 B	µg/l	4.4	± 0.419	0.592	13	
4-Formylaminoantipyrine	AZ7 A	µg/l	0.249	± 0.0291	0.0385	15	
	AZ7 B	µg/l	-	± -	-	-	
10,11-Dihydro-10,11-Dihydroxycarbamazepine	AZ7 A	µg/l	0.0843	± 0.0124	0.0175	21	
	AZ7 B	µg/l	1.06	± 0.194	0.258	24	
Acesulfame	AZ7 A	µg/l	0.0657	± 0.00386	0.0112	17	
	AZ7 B	µg/l	1.97	± 0.102	0.336	17	
Amidotrizoic acid	AZ7 A	µg/l	0.464	± 0.0635	0.0876	19	
	AZ7 B	µg/l	1.09	± 0.223	0.378	35	
Atenolol	AZ7 A	µg/l	0.316	± 0.0247	0.0349	11	
	AZ7 B	µg/l	0.377	± 0.0648	0.0792	21	
Benzotriazole	AZ7 A	µg/l	0.147	± 0.00852	0.0177	12	
	AZ7 B	µg/l	11.1	± 0.511	1.33	12	
Bisoprolol	AZ7 A	µg/l	-	± -	-	-	
	AZ7 B	µg/l	-	± -	-	-	
Carbamazepine	AZ7 A	µg/l	0.301	± 0.0116	0.0391	13	
	AZ7 B	µg/l	0.426	± 0.0317	0.0554	13	
Cyclamate	AZ7 A	µg/l	0.0311	± 0.00459	0.00533	17	
	AZ7 B	µg/l	0.276	± 0.0279	0.0369	13	
Diazepam	AZ7 A	µg/l	-	± -	-	-	
	AZ7 B	µg/l	0.382	± 0.0467	0.0618	16	
Diclofenac	AZ7 A	µg/l	0.229	± 0.0172	0.0321	14	
	AZ7 B	µg/l	2.84	± 0.103	0.398	14	
Ibuprofen	AZ7 A	µg/l	0.272	± 0.0143	0.0226	8.3	
	AZ7 B	µg/l	0.0835	± 0.00942	0.0117	14	
Iopamidol	AZ7 A	µg/l	0.314	± 0.0414	0.0687	22	
	AZ7 B	µg/l	32.8	± 7.95	11.3	35	
Metoprolol	AZ7 A	µg/l	0.147	± 0.0105	0.0368	25	
	AZ7 B	µg/l	0.235	± 0.0183	0.0587	25	
Saccharin	AZ7 A	µg/l	-	± -	-	-	
	AZ7 B	µg/l	1.39	± 0.0833	0.306	22	
Sotalol	AZ7 A	µg/l	0.167	± 0.0145	0.0368	22	
	AZ7 B	µg/l	0.206	± 0.0241	0.0452	22	
Sucralose	AZ7 A	µg/l	0.337	± 0.0483	0.101	30	
	AZ7 B	µg/l	-	± -	-	-	
Sulfamethoxazole	AZ7 A	µg/l	0.208	± 0.0115	0.0249	12	
	AZ7 B	µg/l	0.0444	± 0.00343	0.00532	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	AZ7 A	9	0	µg/l	0.0407	± 0.0067	0.03	0.05	0.0067	16
	AZ7 B	8	0	µg/l	4.4	± 0.628	3.19	5.22	0.592	13
4-Formylaminoantipyrine	AZ7 A	7	0	µg/l	0.249	± 0.0437	0.194	0.318	0.0385	15
	AZ7 B	5	1	µg/l	-	± -	3.3	3.8	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	AZ7 A	8	0	µg/l	0.0843	± 0.0186	0.059	0.111	0.0175	21
	AZ7 B	7	0	µg/l	1.06	± 0.292	0.826	1.58	0.257	24
Acesulfame	AZ7 A	14	0	µg/l	0.0657	± 0.00563	0.051	0.074	0.00702	11
	AZ7 B	12	0	µg/l	2.03	± 0.16	1.71	2.35	0.185	9.1
Amidotrizoic acid	AZ7 A	11	1	µg/l	0.459	± 0.0784	0.301	0.643	0.0866	19
	AZ7 B	11	0	µg/l	1.03	± 0.323	0.319	1.56	0.358	35
Atenolol	AZ7 A	8	0	µg/l	0.316	± 0.037	0.27	0.366	0.0349	11
	AZ7 B	8	0	µg/l	0.383	± 0.072	0.288	0.506	0.0679	18
Benzotriazole	AZ7 A	13	0	µg/l	0.146	± 0.0103	0.12	0.16	0.0123	8.4
	AZ7 B	12	0	µg/l	11	± 0.59	9.96	12.5	0.681	6.2
Bisoprolol	AZ7 A	3	0	µg/l	-	± -	0.132	0.151	-	-
	AZ7 B	3	0	µg/l	-	± -	0.254	0.29	-	-
Carbamazepine	AZ7 A	15	0	µg/l	0.301	± 0.0173	0.257	0.34	0.0224	7.4
	AZ7 B	14	0	µg/l	0.414	± 0.0389	0.34	0.48	0.0485	12
Cyclamate	AZ7 A	9	0	µg/l	0.0313	± 0.00537	0.021	0.04	0.00537	17
	AZ7 B	7	0	µg/l	0.276	± 0.0418	0.217	0.317	0.0369	13
Diazepam	AZ7 A	0	0	µg/l	-	± -	-	-	-	-
	AZ7 B	7	0	µg/l	0.382	± 0.0701	0.284	0.46	0.0618	16
Diclofenac	AZ7 A	16	0	µg/l	0.229	± 0.023	0.194	0.302	0.0307	13
	AZ7 B	13	2	µg/l	2.82	± 0.12	2.57	3.06	0.144	5.1
Ibuprofen	AZ7 A	10	0	µg/l	0.272	± 0.0215	0.242	0.309	0.0226	8.3
	AZ7 B	6	1	µg/l	0.0835	± 0.0141	0.074	0.105	0.0115	14
Iopamidol	AZ7 A	11	0	µg/l	0.314	± 0.0621	0.199	0.421	0.0687	22

Parameter	Sample	Number of results for calculation	Number of outliers	Unit	Mean	± CI (99%)	Minimum	Maximum	sR	vR [%]
Iopamidol	AZ7 B	10	0	µg/l	29	± 9.5	11.4	45.2	10	35
Metoprolol	AZ7 A	13	1	µg/l	0.147	± 0.0158	0.11	0.19	0.0189	13
	AZ7 B	12	1	µg/l	0.235	± 0.0274	0.192	0.305	0.0316	13
Saccharin	AZ7 A	5	1	µg/l	-	± -	0.016	0.019	-	-
	AZ7 B	6	0	µg/l	1.39	± 0.125	1.29	1.56	0.102	7.3
Sotalol	AZ7 A	11	0	µg/l	0.167	± 0.0217	0.133	0.206	0.024	14
	AZ7 B	10	0	µg/l	0.206	± 0.0361	0.16	0.265	0.0381	19
Sucralose	AZ7 A	7	0	µg/l	0.345	± 0.0666	0.226	0.398	0.0587	17
	AZ7 B	5	1	µg/l	-	± -	10.2	12.4	-	-
Sulfamethoxazole	AZ7 A	14	0	µg/l	0.206	± 0.0145	0.18	0.239	0.018	8.8
	AZ7 B	10	2	µg/l	0.042	± 0.00631	0.0295	0.05	0.00665	16

E7. Parameterorientierte Auswertung / Parameter oriented report

4-Acetylaminoantipyrine	35
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10,11-Dihydro-10,11-Dihydroxycarbamazepine.....	49
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Amidotrizoic acid	65
Atenolol	73
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Bisoprolol	89
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Parameter oriented report

AZ7 A

4-Acetylaminoantipyrine

Unit	µg/l
Assigned value ± U (k=2)	0.0407 ± 0.00447
Criterion	0.0067 (16 %)
Minimum - Maximum	0.03 - 0.05
Control test value ± U (k=2)	0.0415 ± 0.0083

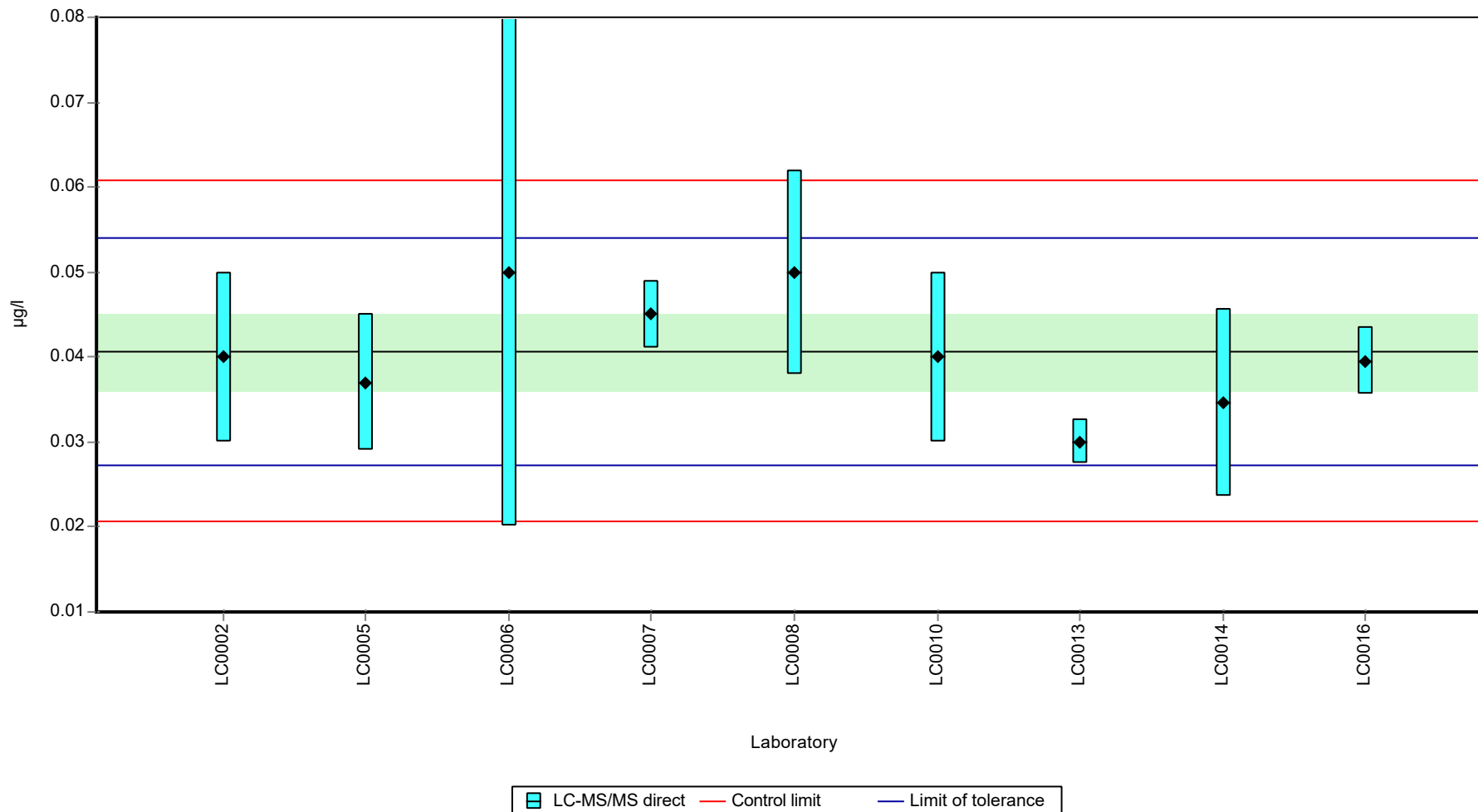
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	0.04	0.01	98.3	-0.1	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	0.037	0.008	91	-0.55	
LC0006	0.05	0.03	123	1.39	
LC0007	0.045	0.004	111	0.65	
LC0008	0.05	0.012	123	1.39	
LC0009	-	-	-	-	
LC0010	0.04	0.01	98.3	-0.1	
LC0011	-	-	-	-	
LC0012	-	-	-	-	
LC0013	0.03	0.0026	73.8	-1.59	
LC0014	0.0346	0.011	85.1	-0.91	
LC0015	-	-	-	-	
LC0016	0.0395	0.004	97.1	-0.18	

Characteristics of parameter

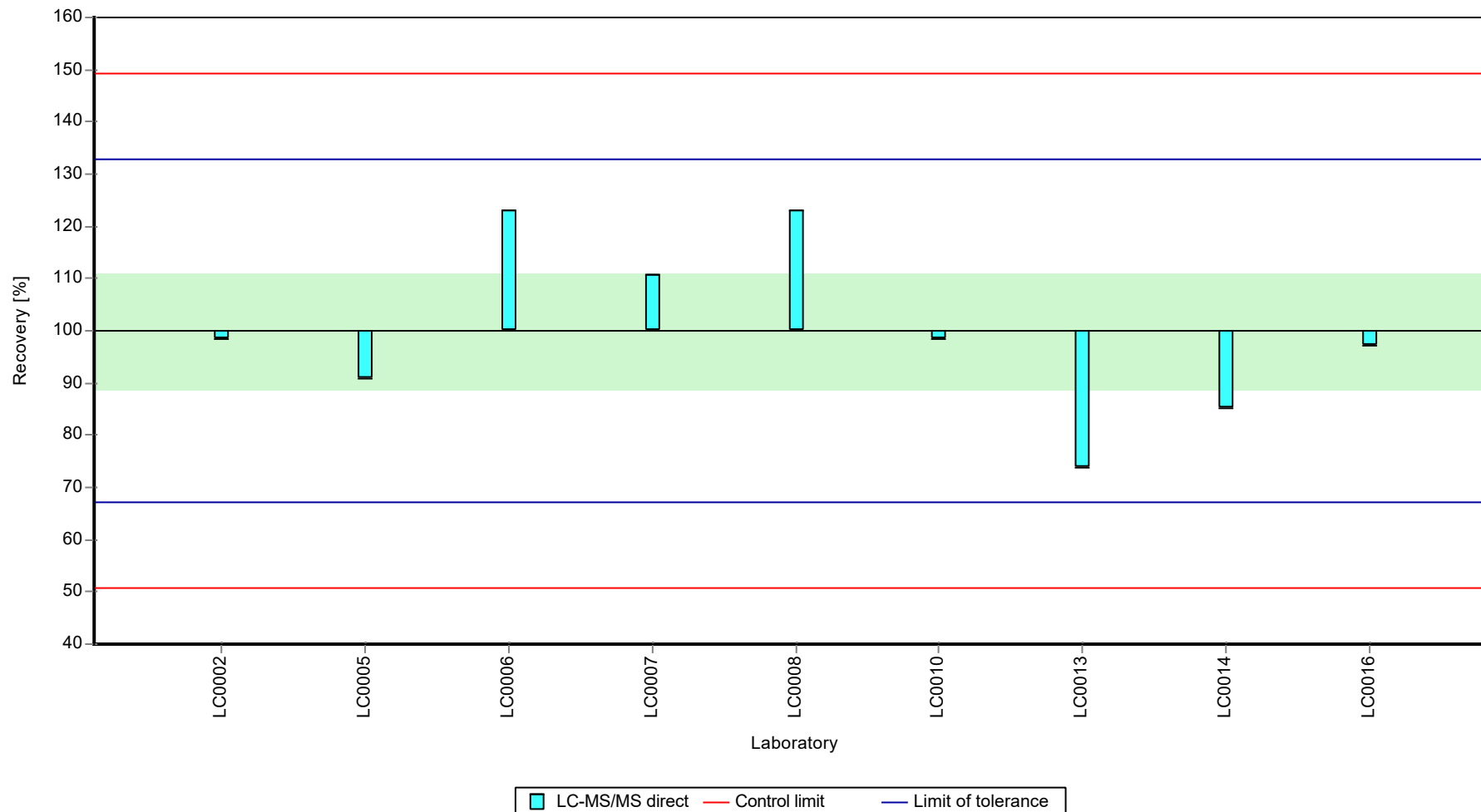
	all results	without outliers	Unit
Mean ± CI (99%)	0.0407 ± 0.0067	0.0407 ± 0.0067	µg/l
Minimum	0.03	0.03	µg/l
Maximum	0.05	0.05	µg/l
Standard deviation	0.0067	0.0067	µg/l
rel. standard deviation	16.5	16.5	%
n	9	9	-

Graphical presentation of results

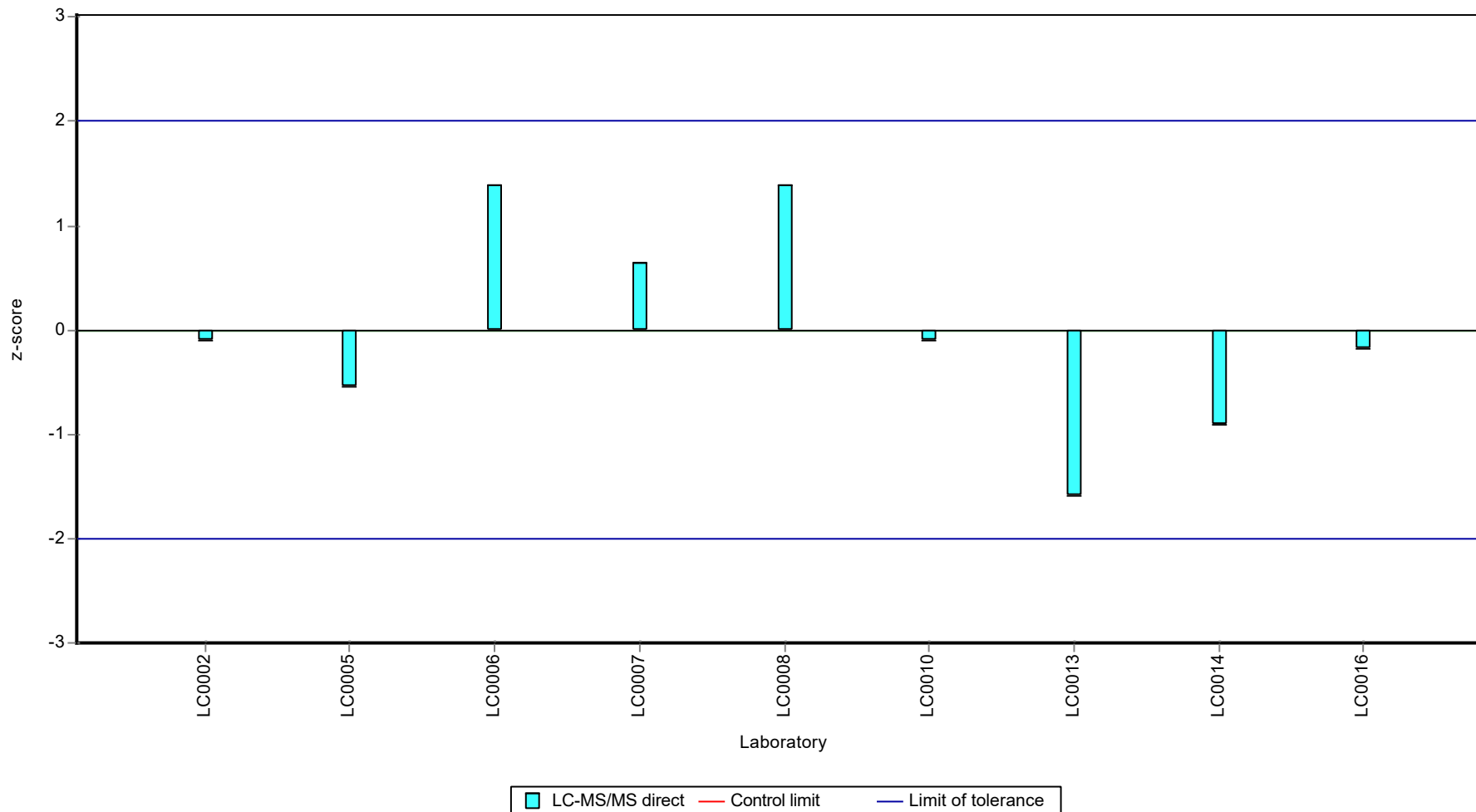
Results



Recovery rate



Z-score



Parameter oriented report

AZ7 B

4-Acetylaminoantipyrine

Unit	µg/l
Assigned value ± U (k=2)	4.4 ± 0.419
Criterion	0.592 (13 %)
Minimum - Maximum	3.19 - 5.22
Control test value ± U (k=2)	5.49 ± 1.1

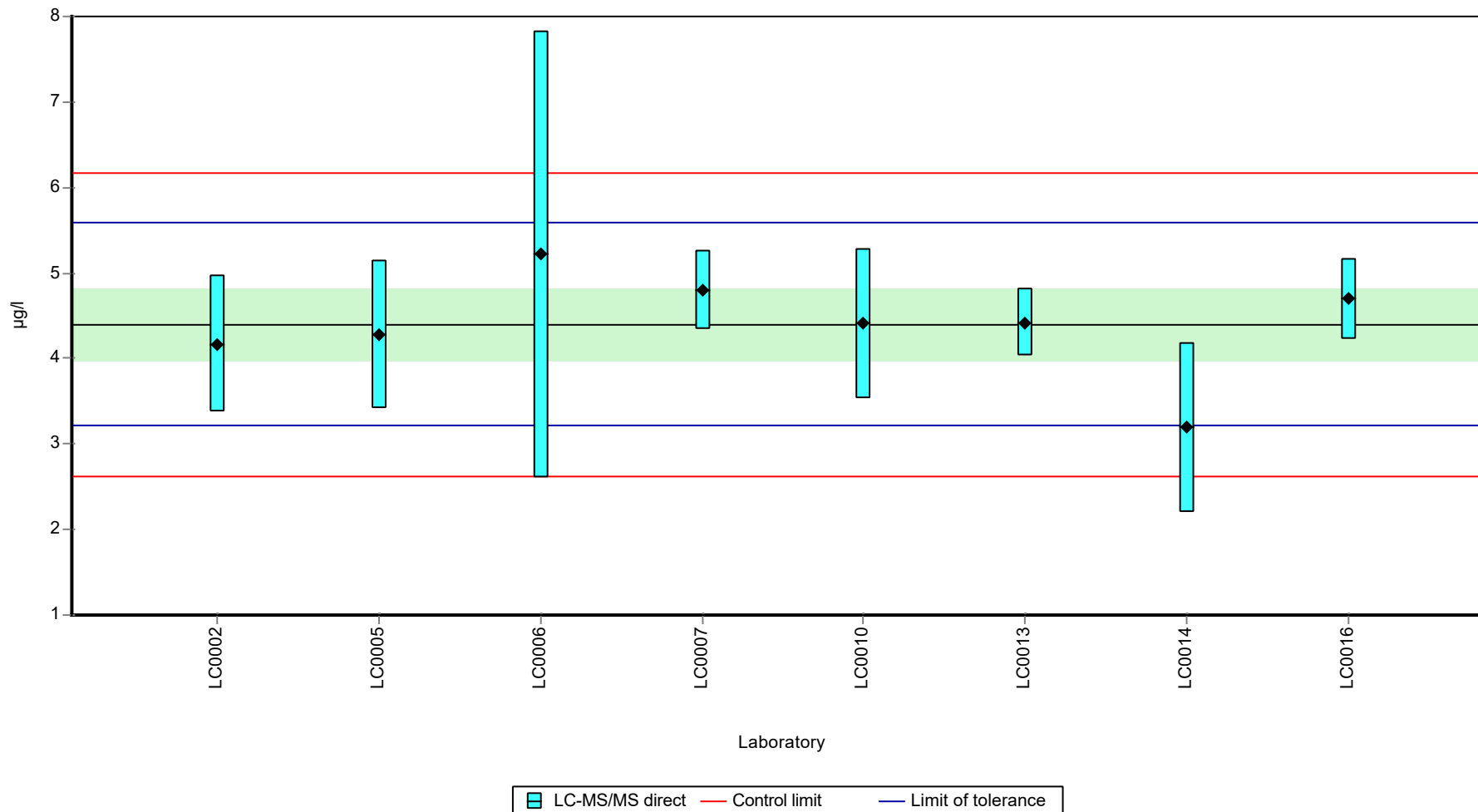
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	4.172	0.8	94.9	-0.38	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	4.28	0.86	97.3	-0.2	
LC0006	5.22	2.61	119	1.39	
LC0007	4.8	0.455	109	0.68	
LC0008	-	-	-	-	
LC0009	-	-	-	-	
LC0010	4.405	0.88	100	0.01	
LC0011	-	-	-	-	
LC0012	-	-	-	-	
LC0013	4.42	0.39	100	0.04	
LC0014	3.19	0.989	72.5	-2.04	
LC0015	-	-	-	-	
LC0016	4.7	0.47	107	0.51	

Characteristics of parameter

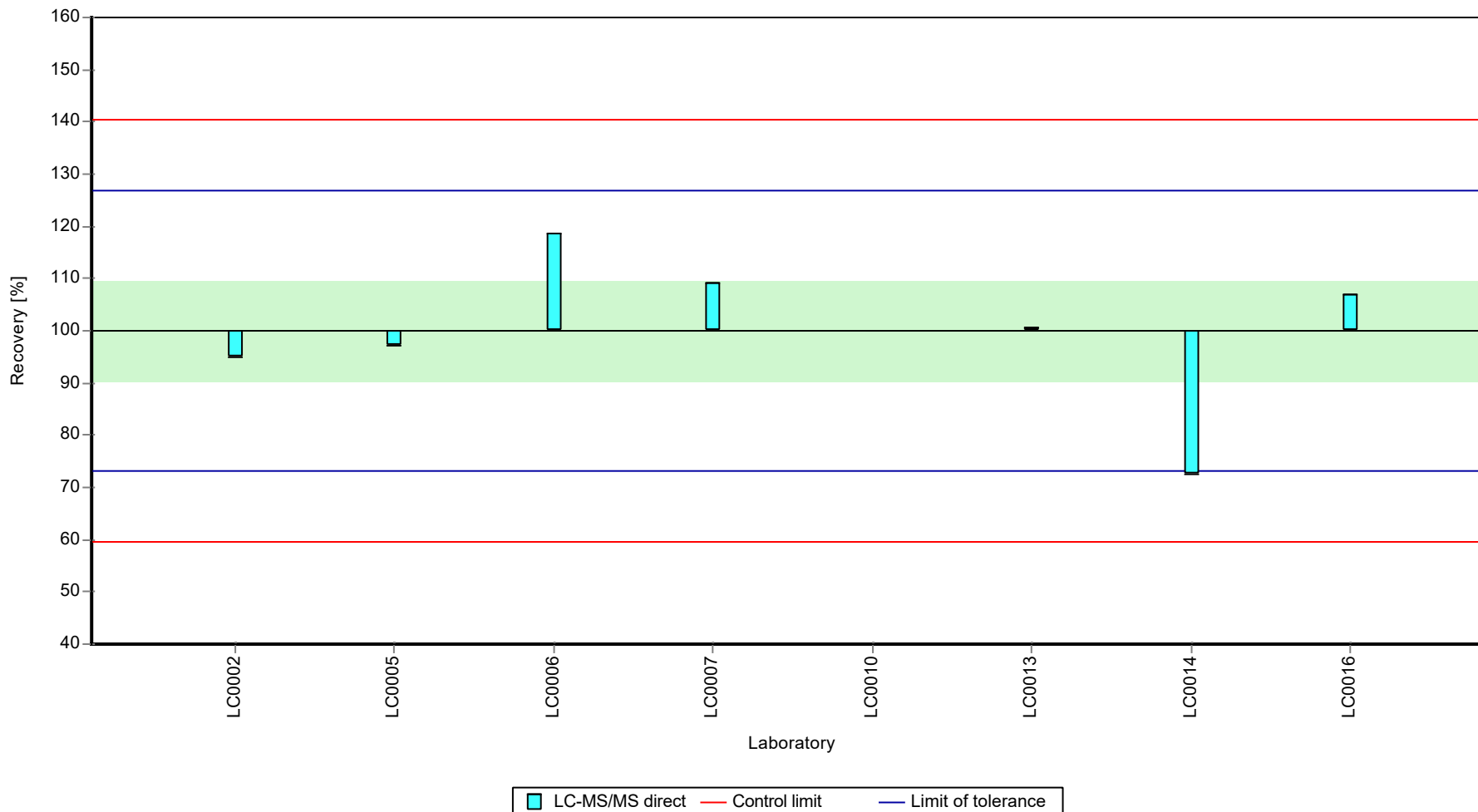
	all results	without outliers	Unit
Mean ± CI (99%)	4.4 ± 0.628	4.4 ± 0.628	µg/l
Minimum	3.19	3.19	µg/l
Maximum	5.22	5.22	µg/l
Standard deviation	0.592	0.592	µg/l
rel. standard deviation	13.5	13.5	%
n	8	8	-

Graphical presentation of results

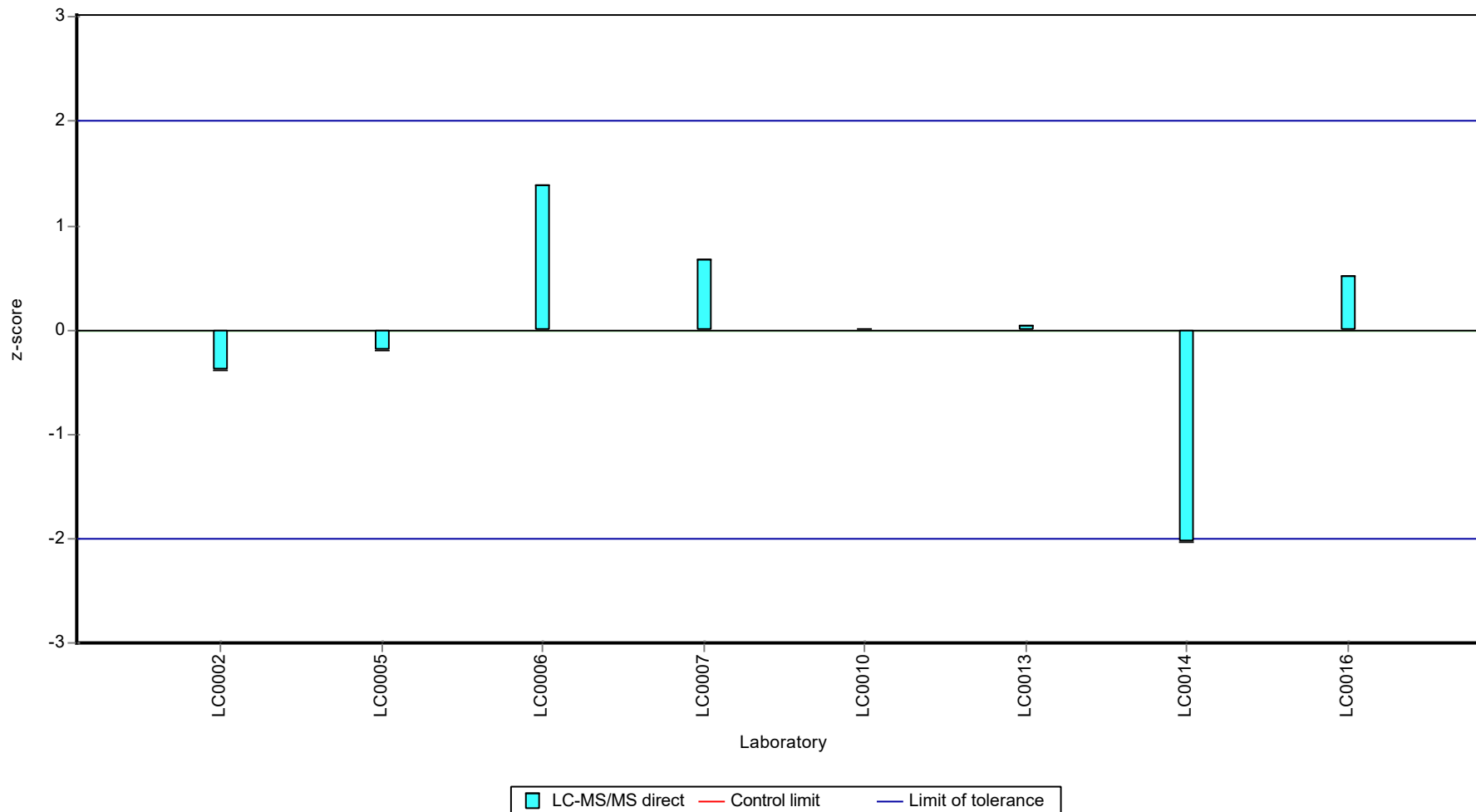
Results



Recovery rate



Z-score



Parameter oriented report

AZ7 A

4-Formylaminoantipyrine

Unit	µg/l
Assigned value ± U (k=2)	0.249 ± 0.0291
Criterion	0.0385 (15 %)
Minimum - Maximum	0.194 - 0.318
Control test value ± U (k=2)	0.276 ± 0.0414

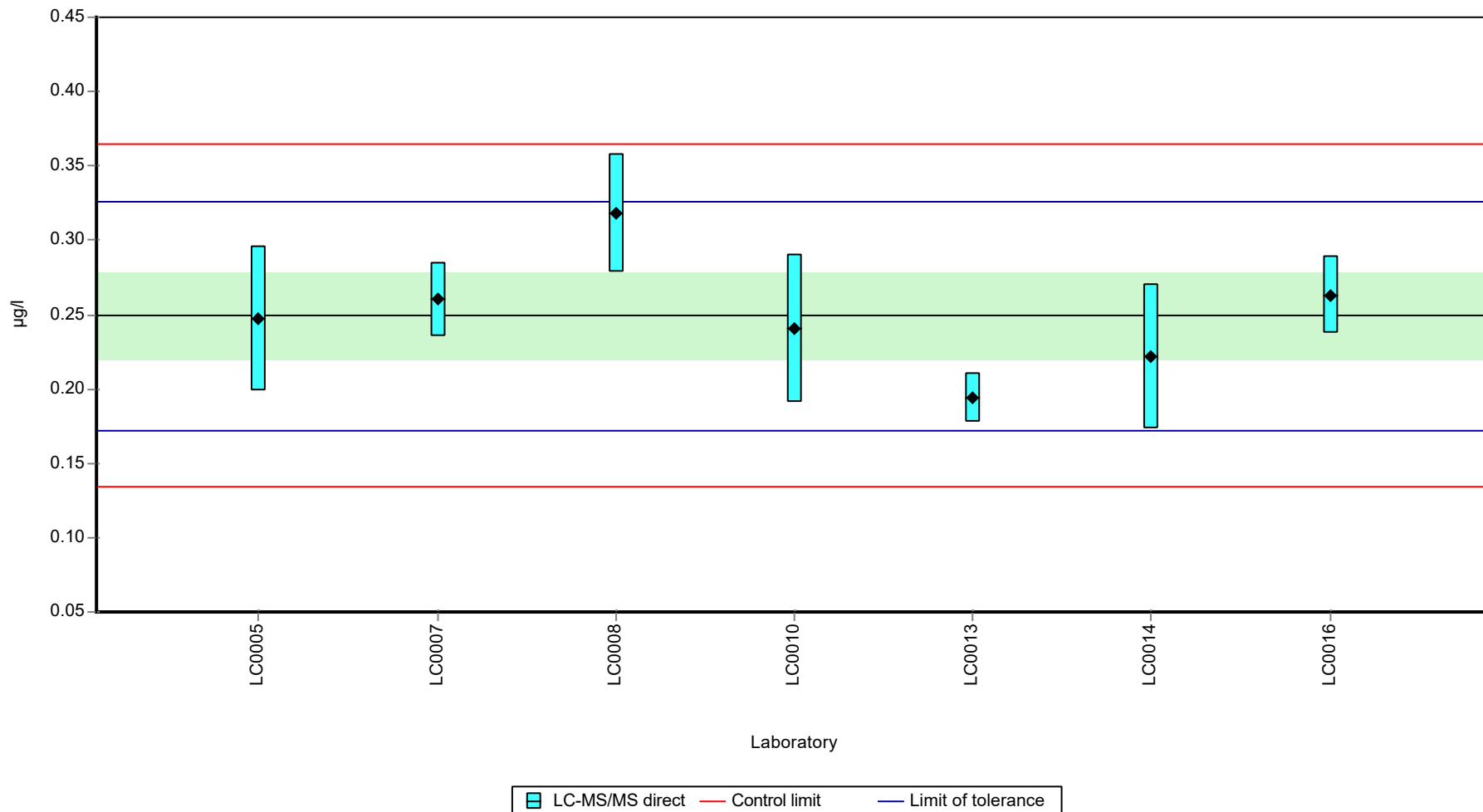
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	0.247	0.049	99.1	-0.06	
LC0006	-	-	-	-	
LC0007	0.26	0.025	104	0.28	
LC0008	0.318	0.04	128	1.78	
LC0009	-	-	-	-	
LC0010	0.2408	0.05	96.6	-0.22	
LC0011	-	-	-	-	
LC0012	-	-	-	-	
LC0013	0.194	0.017	77.8	-1.43	
LC0014	0.222	0.049	89.1	-0.71	
LC0015	-	-	-	-	
LC0016	0.263	0.026	106	0.36	

Characteristics of parameter

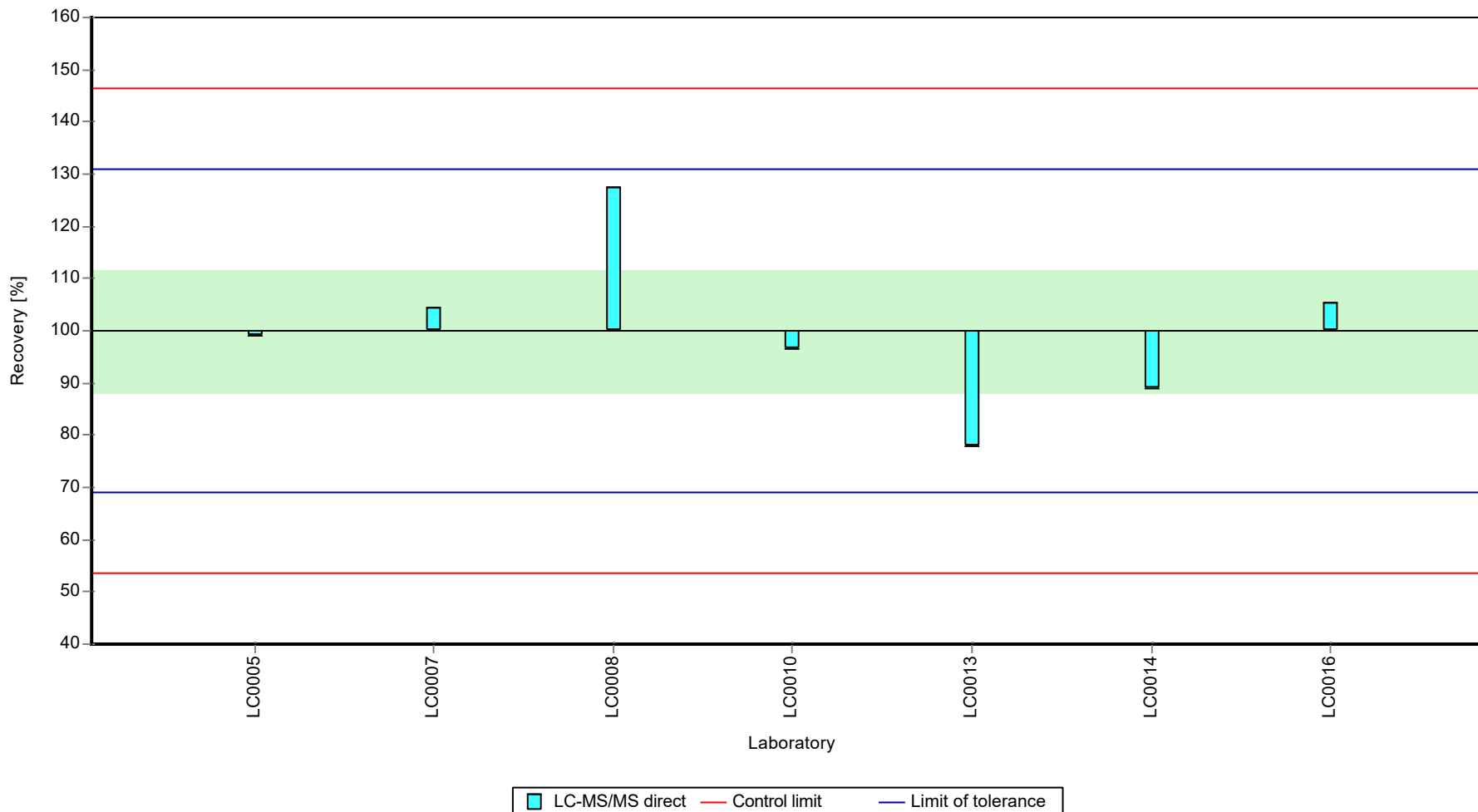
	all results	without outliers	Unit
Mean ± CI (99%)	0.249 ± 0.0437	0.249 ± 0.0437	µg/l
Minimum	0.194	0.194	µg/l
Maximum	0.318	0.318	µg/l
Standard deviation	0.0385	0.0385	µg/l
rel. standard deviation	15.5	15.5	%
n	7	7	-

Graphical presentation of results

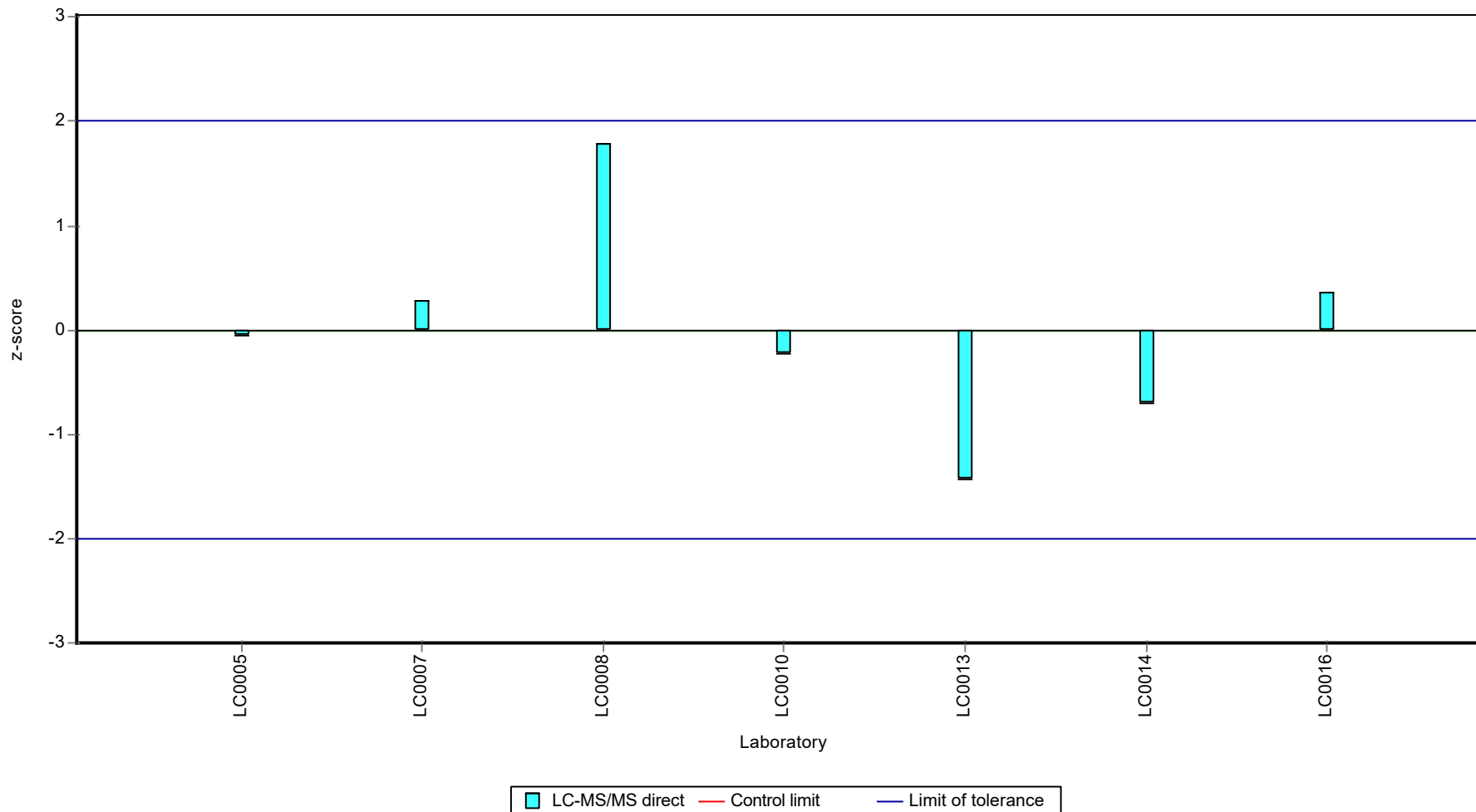
Results



Recovery rate



Z-score



Parameter oriented report

AZ7 B

4-Formylaminoantipyrine

Unit	µg/l
Assigned value ± U (k=2)	-
Criterion	-
Minimum - Maximum	3.3 - 3.8
Control test value ± U (k=2)	3.71 ± 0.557

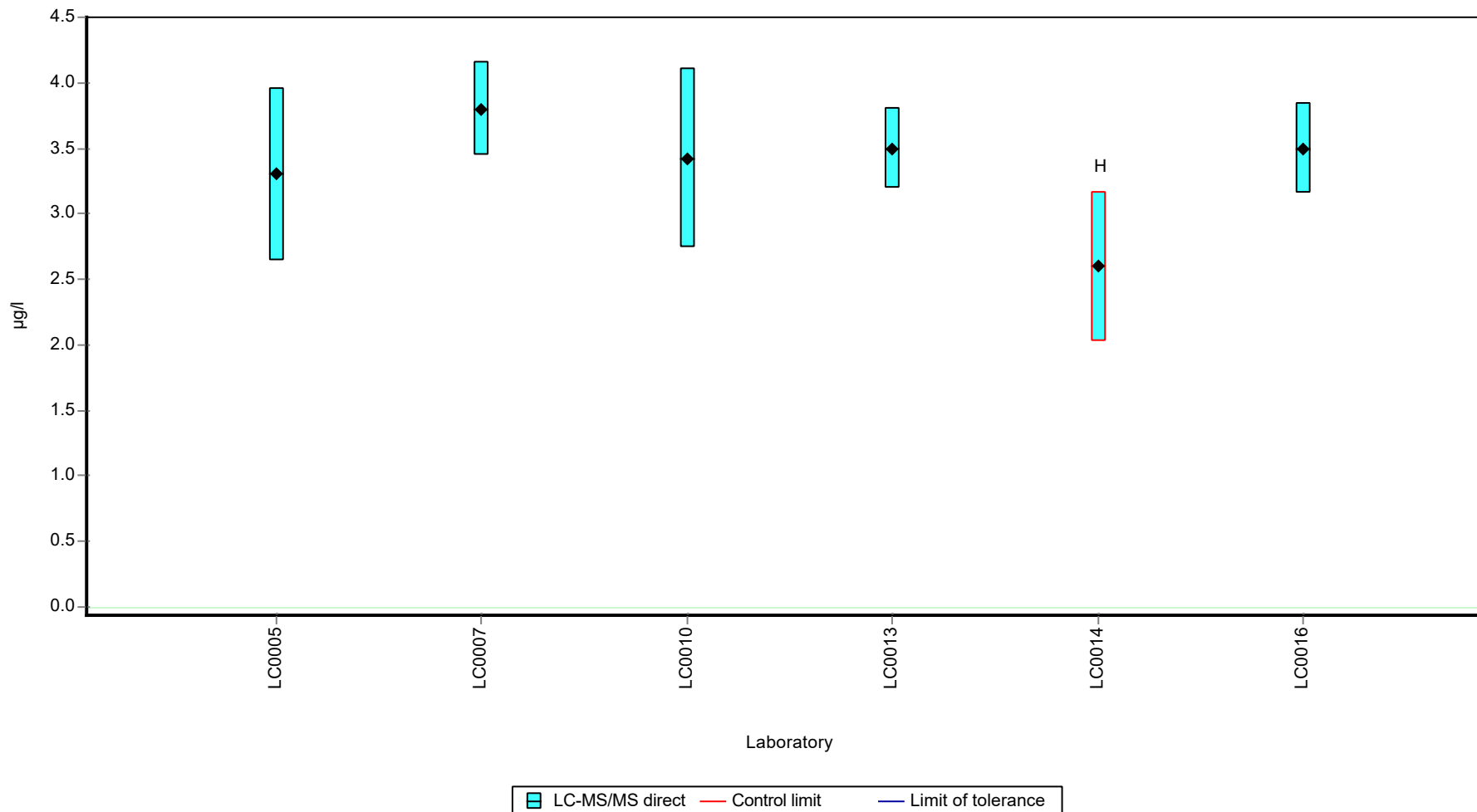
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	3.3	0.66	-	-	
LC0006	-	-	-	-	
LC0007	3.8	0.36	-	-	
LC0008	-	-	-	-	
LC0009	-	-	-	-	
LC0010	3.425	0.69	-	-	
LC0011	-	-	-	-	
LC0012	-	-	-	-	
LC0013	3.5	0.31	-	-	
LC0014	2.6	0.572	-	-	H
LC0015	-	-	-	-	
LC0016	3.5	0.35	-	-	

Characteristics of parameter

	all results	without outliers	Unit
Mean ± CI (99%)	3.35 ± 0.495	-	µg/l
Minimum	2.6	3.3	µg/l
Maximum	3.8	3.8	µg/l
Standard deviation	0.404	-	µg/l
rel. standard deviation	12.1	-	%
n	6	5	-

Graphical presentation of results

Results



Parameter oriented report

AZ7 A

10,11-Dihydro-10,11-Dihydroxycarbamazepine

Unit	µg/l
Assigned value ± U (k=2)	0.0843 ± 0.0124
Criterion	0.0175 (21 %)
Minimum - Maximum	0.059 - 0.111
Control test value ± U (k=2)	0.0962 ± 0.0144

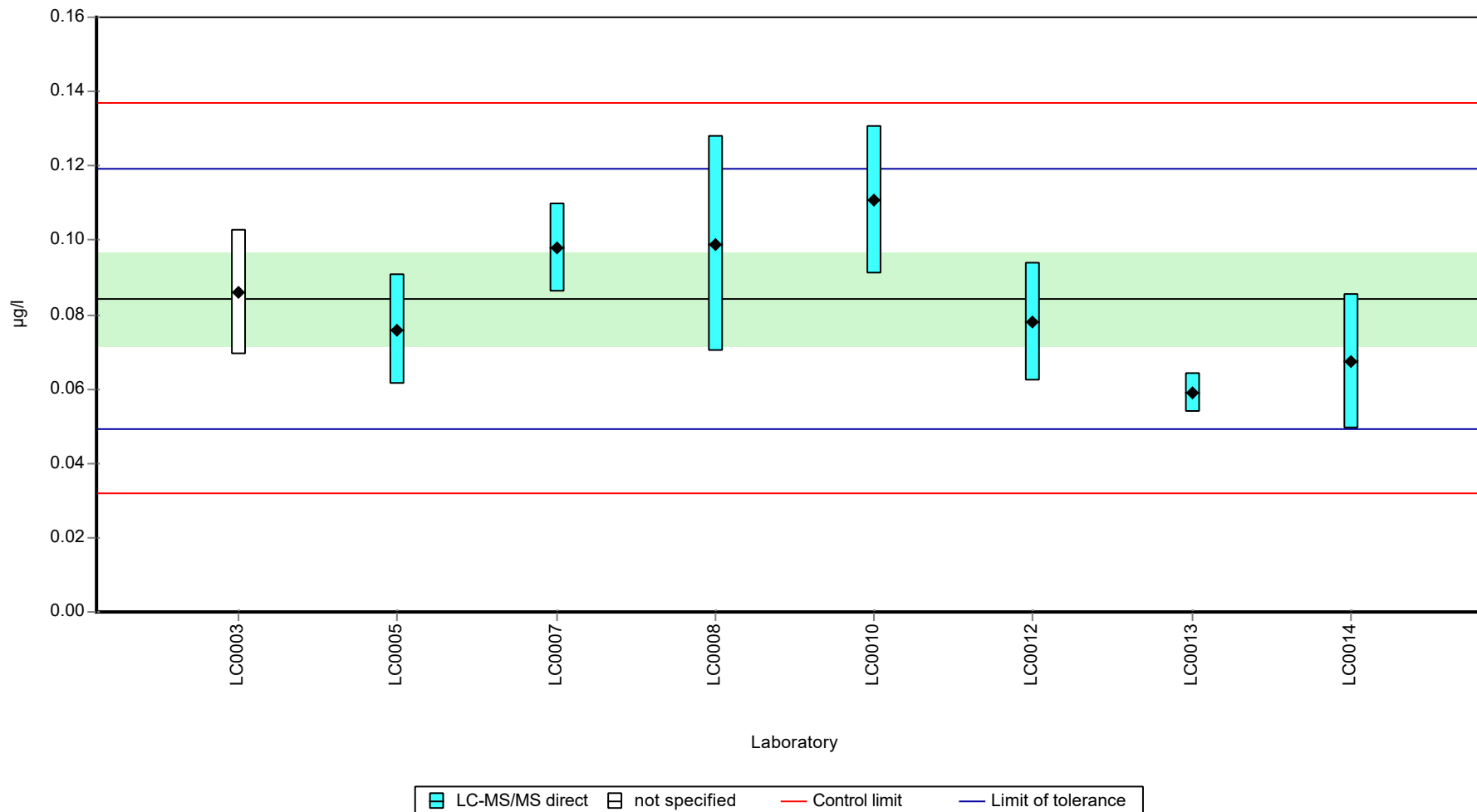
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	0.086	0.017	102	0.1	
LC0004	-	-	-	-	
LC0005	0.076	0.015	90.2	-0.47	
LC0006	-	-	-	-	
LC0007	0.098	0.012	116	0.78	
LC0008	0.099	0.029	117	0.84	
LC0009	-	-	-	-	
LC0010	0.1108	0.02	131	1.52	
LC0011	-	-	-	-	
LC0012	0.078	0.016	92.6	-0.36	
LC0013	0.059	0.0052	70	-1.44	
LC0014	0.0674	0.018	80	-0.96	
LC0015	-	-	-	-	
LC0016	-	-	-	-	

Characteristics of parameter

	all results	without outliers	Unit
Mean ± CI (99%)	0.0843 ± 0.0186	0.0843 ± 0.0186	µg/l
Minimum	0.059	0.059	µg/l
Maximum	0.111	0.111	µg/l
Standard deviation	0.0175	0.0175	µg/l
rel. standard deviation	20.8	20.8	%
n	8	8	-

Graphical presentation of results

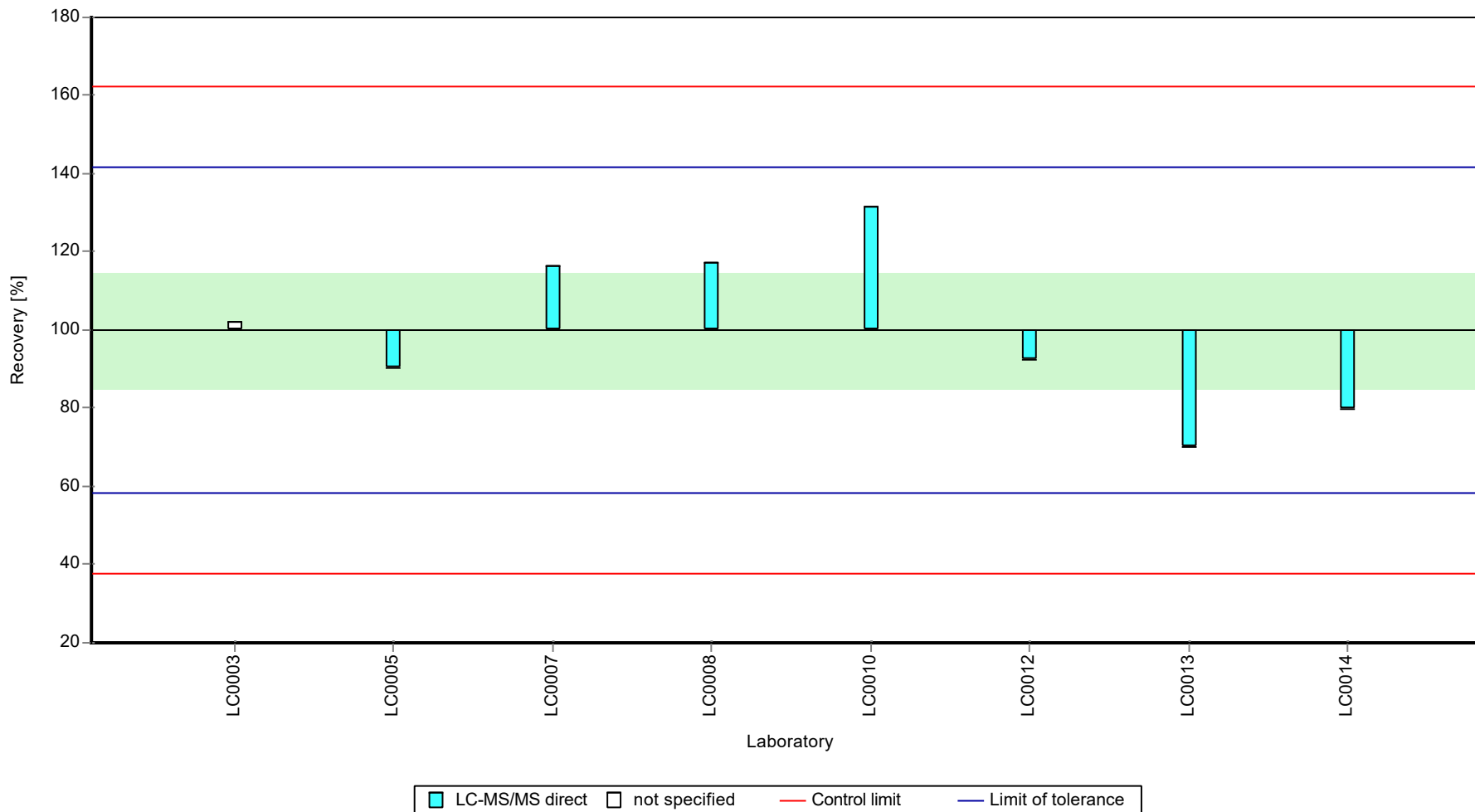
Results



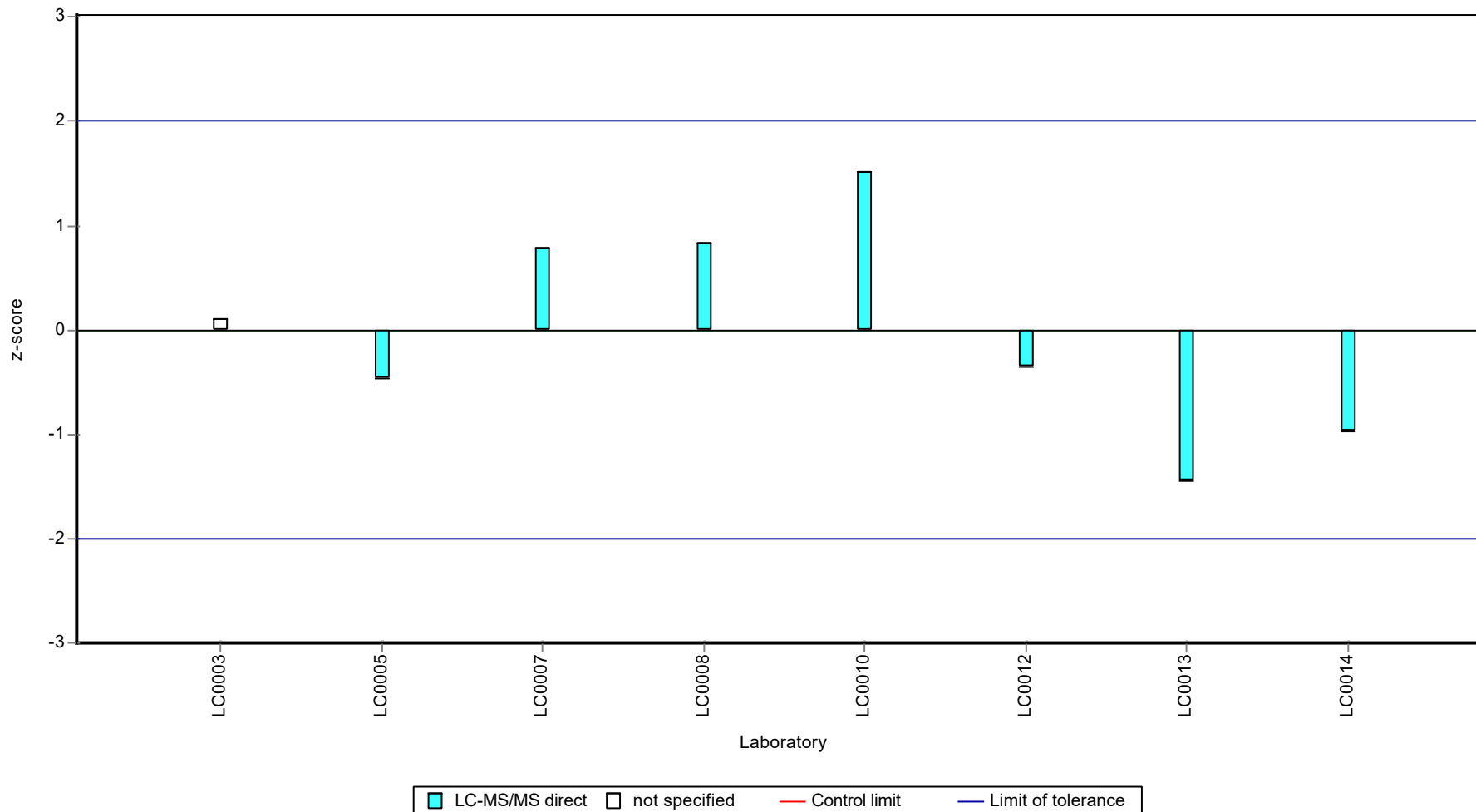
Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ7

Sample: AZ7A, Parameter: 10,11-Dihydro-10,11-Dihydroxycarbamazepine

Recovery rate



Z-score



Parameter oriented report

AZ7 B

10,11-Dihydro-10,11-Dihydroxycarbamazepine

Unit	µg/l
Assigned value ± U (k=2)	1.06 ± 0.194
Criterion	0.258 (24 %)
Minimum - Maximum	0.826 - 1.58
Control test value ± U (k=2)	1.17 ± 0.176

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	0.972	0.194	92	-0.33	
LC0004	-	-	-	-	
LC0005	0.947	0.189	89.7	-0.42	
LC0006	-	-	-	-	
LC0007	1.2	0.143	114	0.56	
LC0008	-	-	-	-	
LC0009	-	-	-	-	
LC0010	1.58	0.32	150	2.03	
LC0011	-	-	-	-	
LC0012	0.932	0.186	88.3	-0.48	
LC0013	0.826	0.072	78.2	-0.89	
LC0014	0.935	0.253	88.5	-0.47	
LC0015	-	-	-	-	
LC0016	-	-	-	-	

Characteristics of parameter

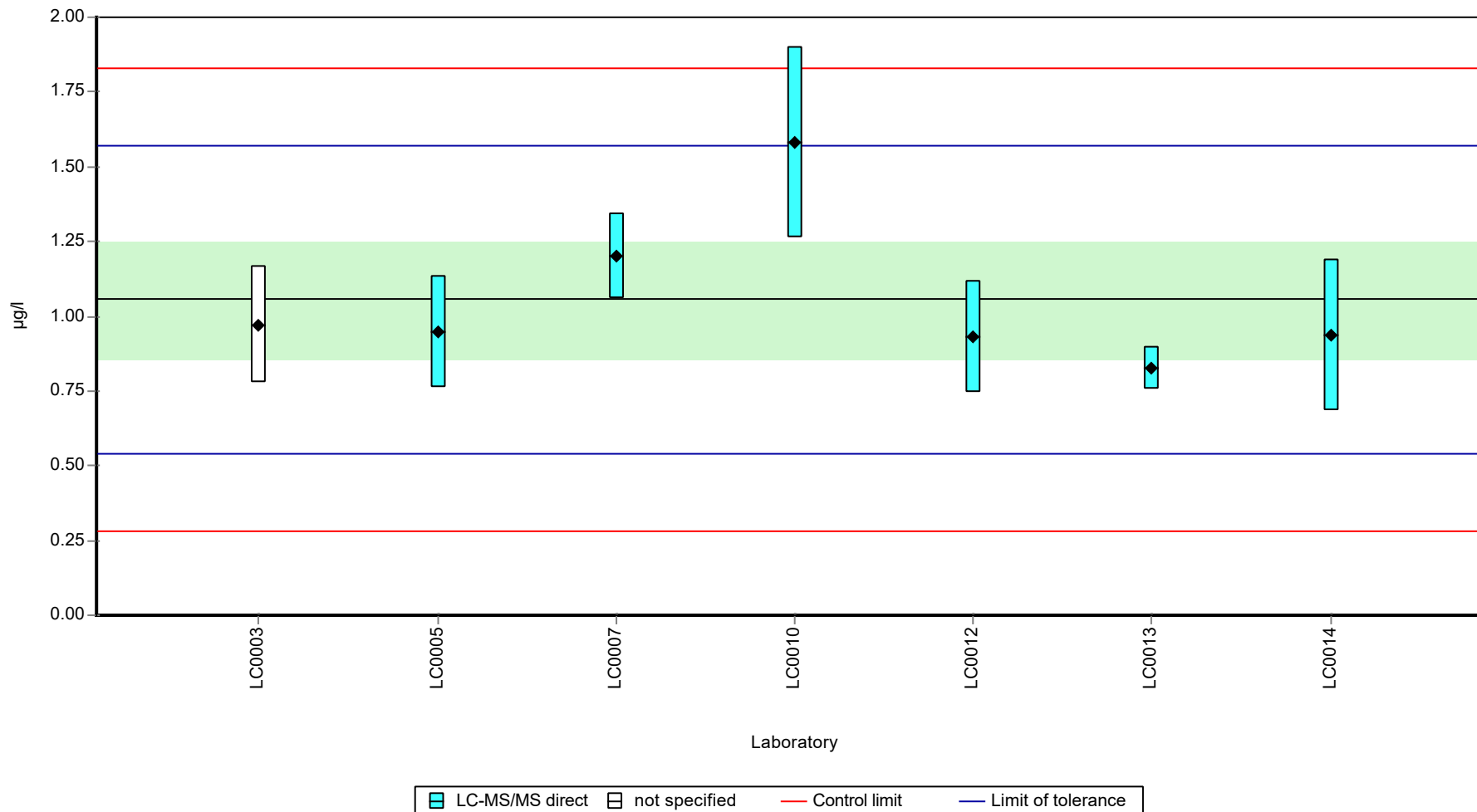
	all results	without outliers	Unit
Mean ± CI (99%)	1.06 ± 0.292	1.06 ± 0.292	µg/l
Minimum	0.826	0.826	µg/l
Maximum	1.58	1.58	µg/l
Standard deviation	0.257	0.257	µg/l
rel. standard deviation	24.4	24.4	%
n	7	7	-

Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ7

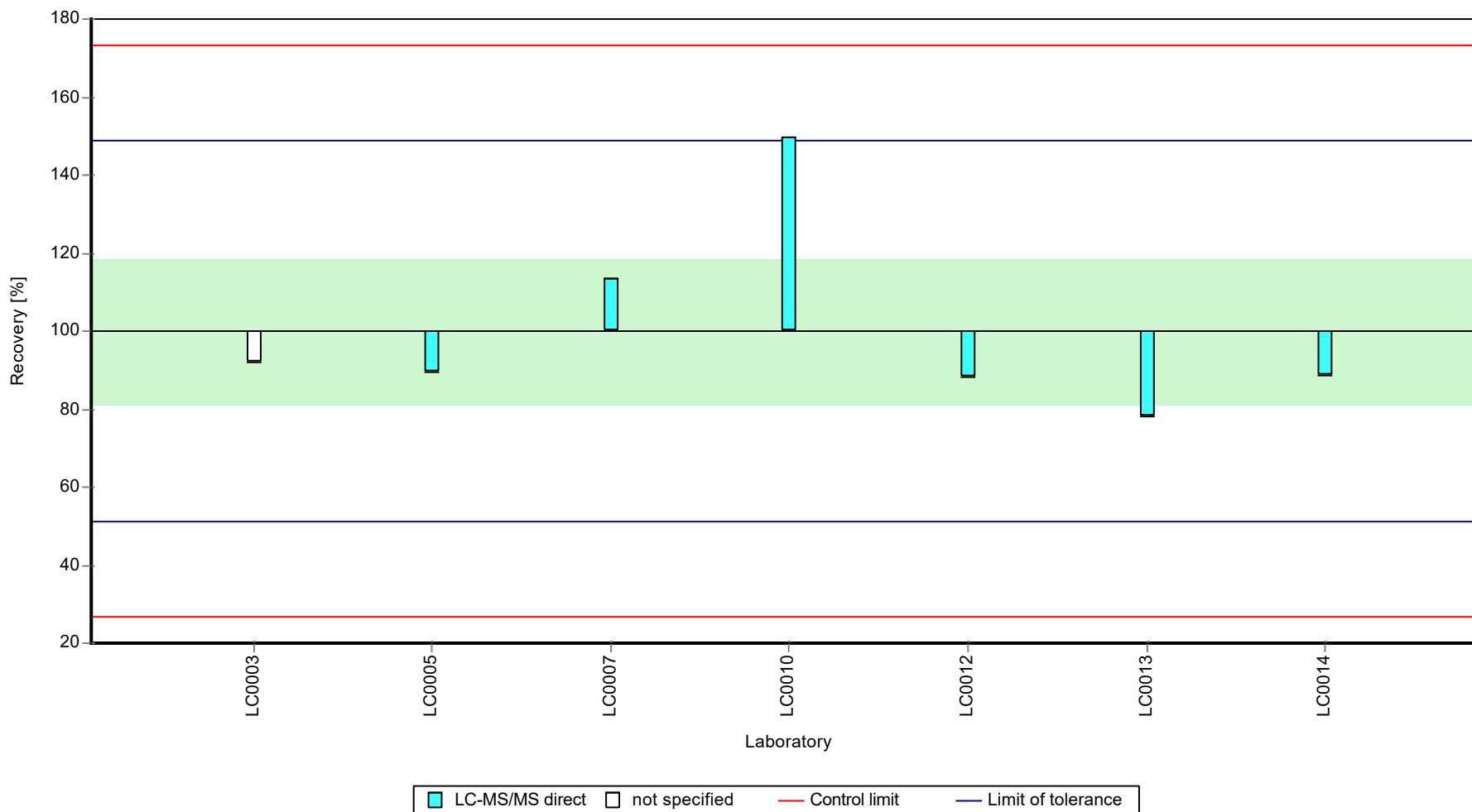
Sample: AZ7B, Parameter: 10,11-Dihydro-10,11-Dihydroxycarbamazepine

Graphical presentation of results

Results



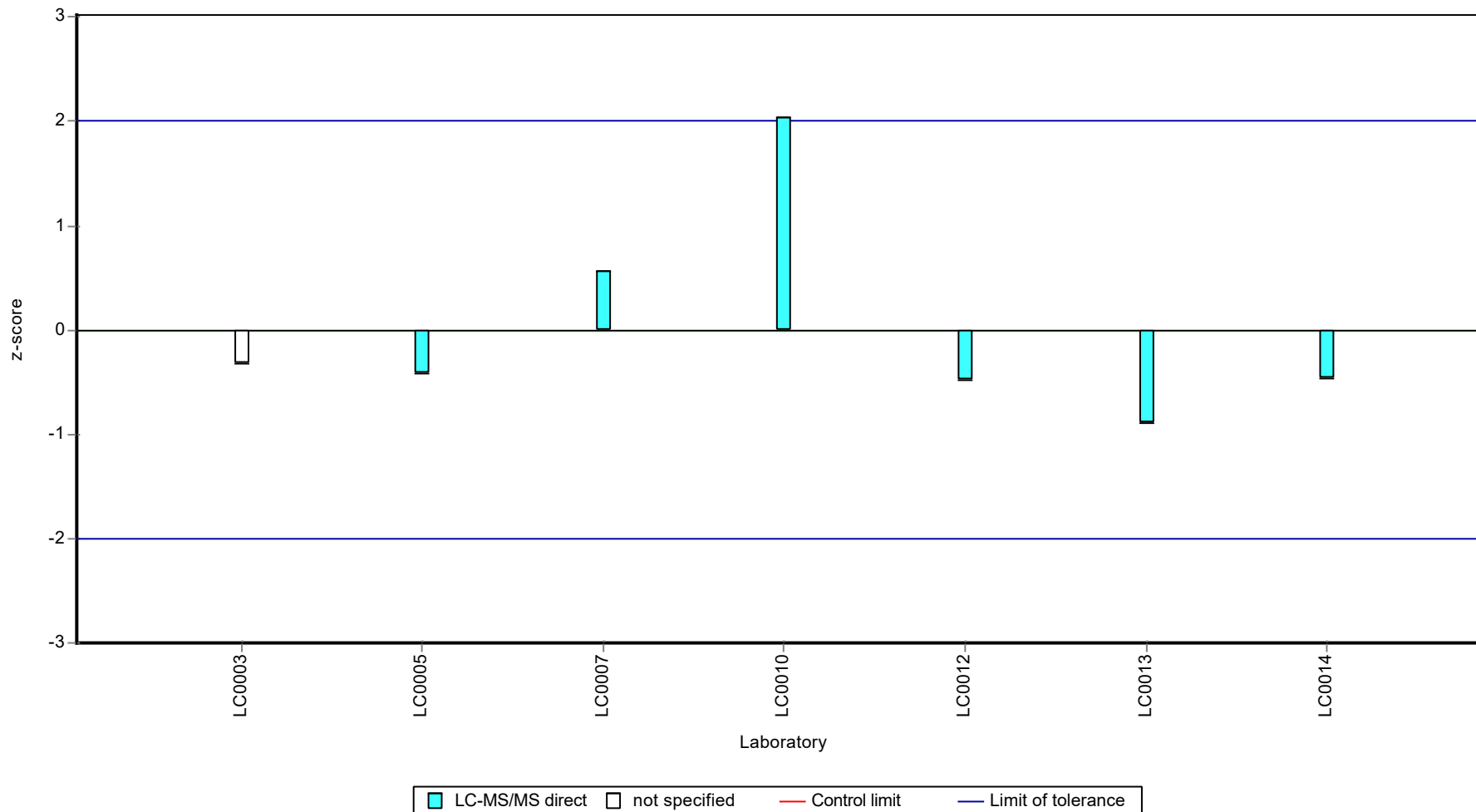
Recovery rate



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ7

Sample: AZ7B, Parameter: 10,11-Dihydro-10,11-Dihydroxycarbamazepine

Z-score



Parameter oriented report

AZ7 A

Acesulfame

Unit	µg/l
Assigned value ± U (k=2)	0.0657 ± 0.00386
Criterion	0.0112 (17 %)
Minimum - Maximum	0.051 - 0.074
Control test value ± U (k=2)	0.0909 ± 0.0136

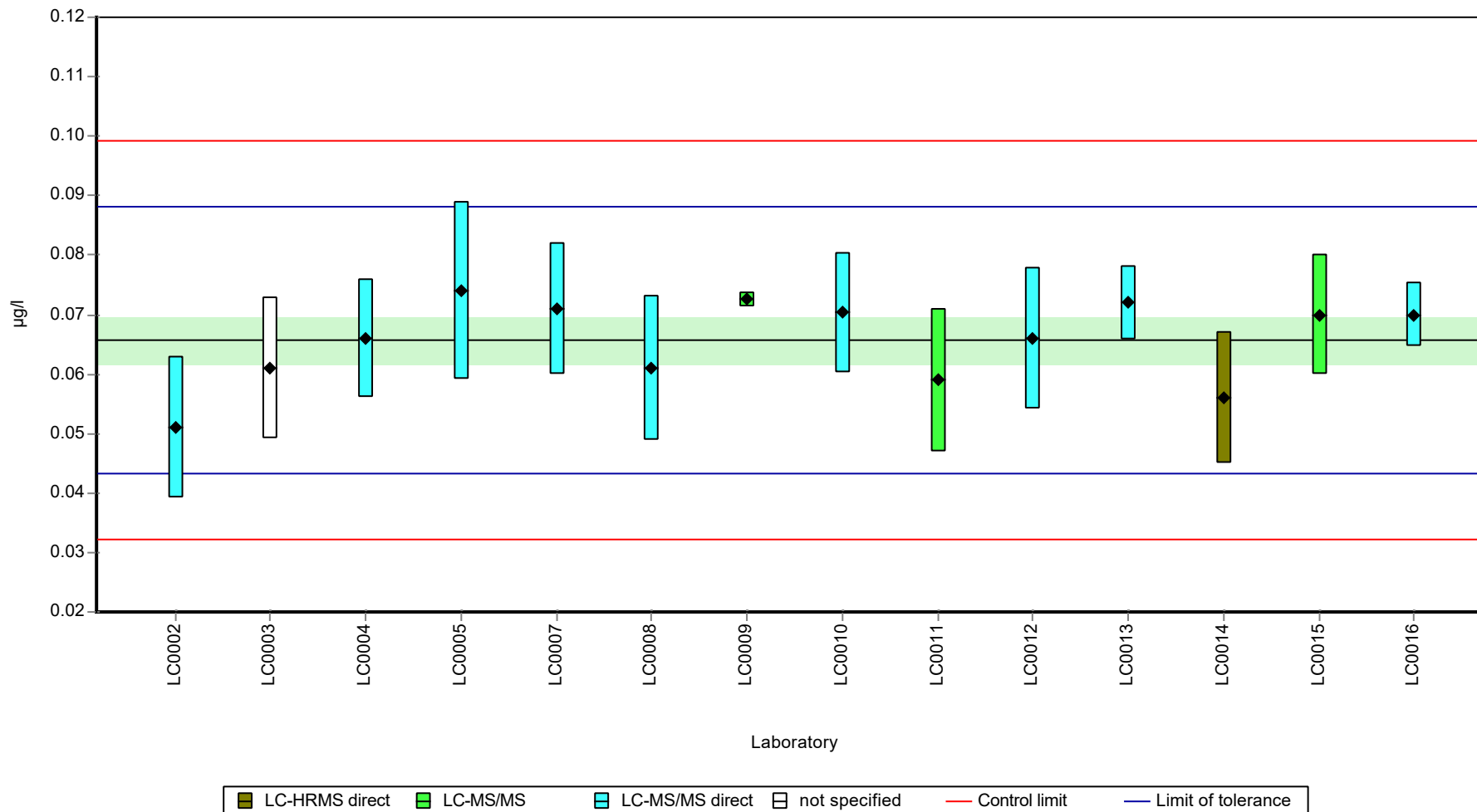
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	0.051	0.012	77.6	-1.32	
LC0003	0.061	0.012	92.8	-0.42	
LC0004	0.066	0.01	100	0.03	
LC0005	0.074	0.015	113	0.74	
LC0006	-	-	-	-	
LC0007	0.071	0.011	108	0.47	
LC0008	0.061	0.0122	92.8	-0.42	
LC0009	0.0725	0.0013	110	0.61	
LC0010	0.0703	0.01	107	0.41	
LC0011	0.059	0.012	89.8	-0.6	
LC0012	0.066	0.012	100	0.03	
LC0013	0.072	0.0063	110	0.56	
LC0014	0.056	0.011	85.2	-0.87	
LC0015	0.07	0.01	107	0.39	
LC0016	0.07	0.0053	107	0.39	

Characteristics of parameter

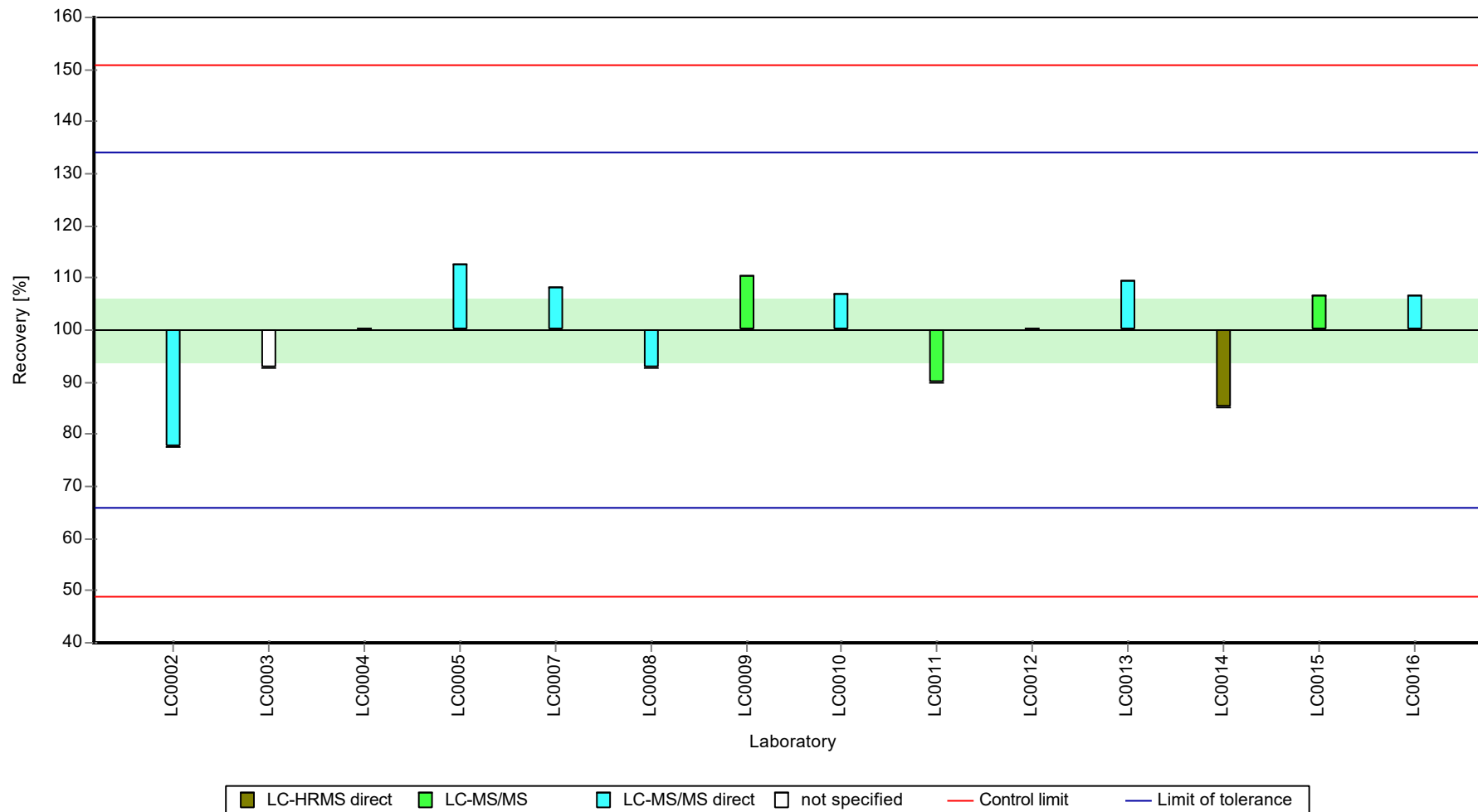
	all results	without outliers	Unit
Mean ± CI (99%)	0.0657 ± 0.00563	0.0657 ± 0.00563	µg/l
Minimum	0.051	0.051	µg/l
Maximum	0.074	0.074	µg/l
Standard deviation	0.00702	0.00702	µg/l
rel. standard deviation	10.7	10.7	%
n	14	14	-

Graphical presentation of results

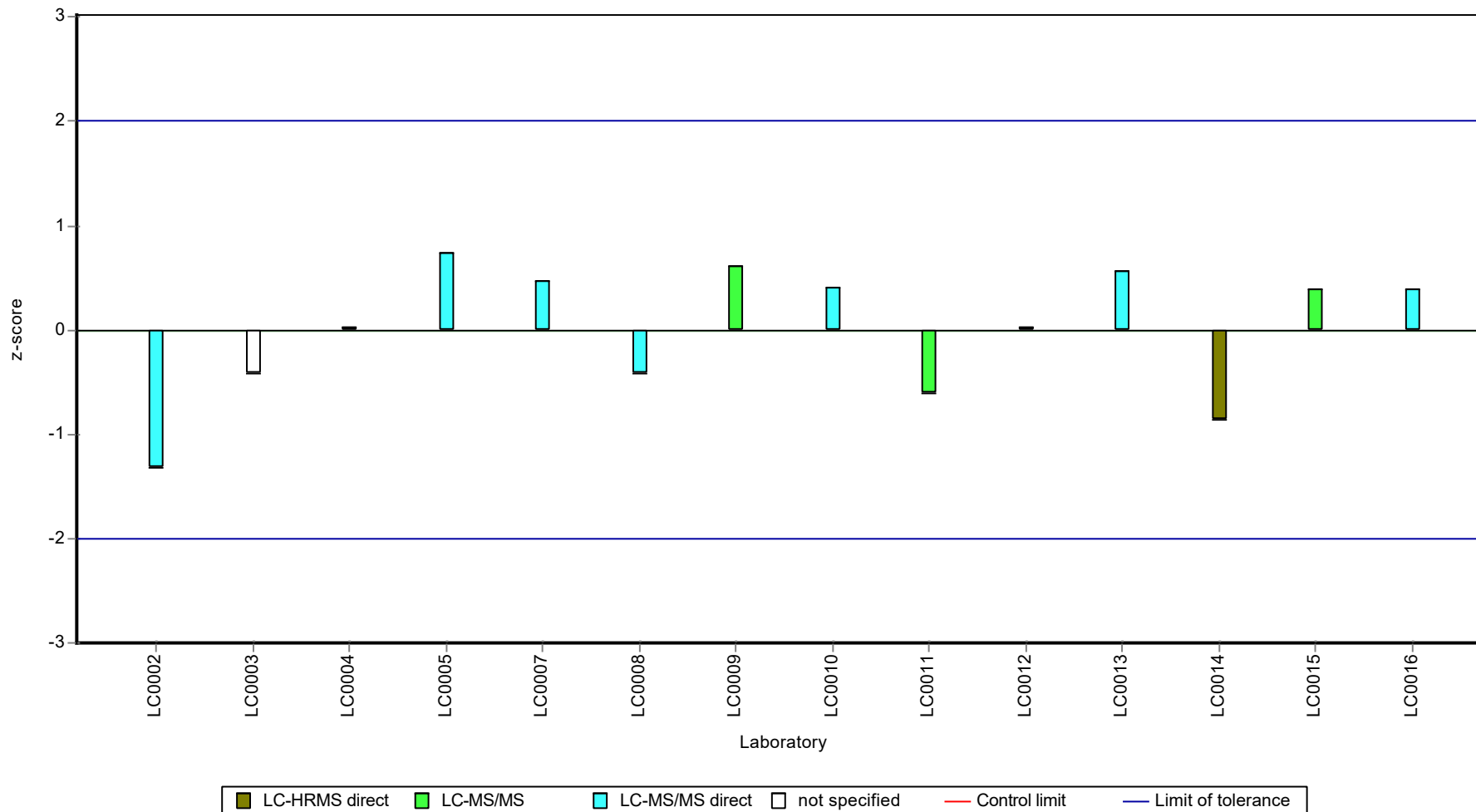
Results



Recovery rate



Z-score



Parameter oriented report

AZ7 B

Acesulfame

Unit	µg/l
Assigned value ± U (k=2)	1.97 ± 0.102
Criterion	0.336 (17 %)
Minimum - Maximum	1.71 - 2.35
Control test value ± U (k=2)	-

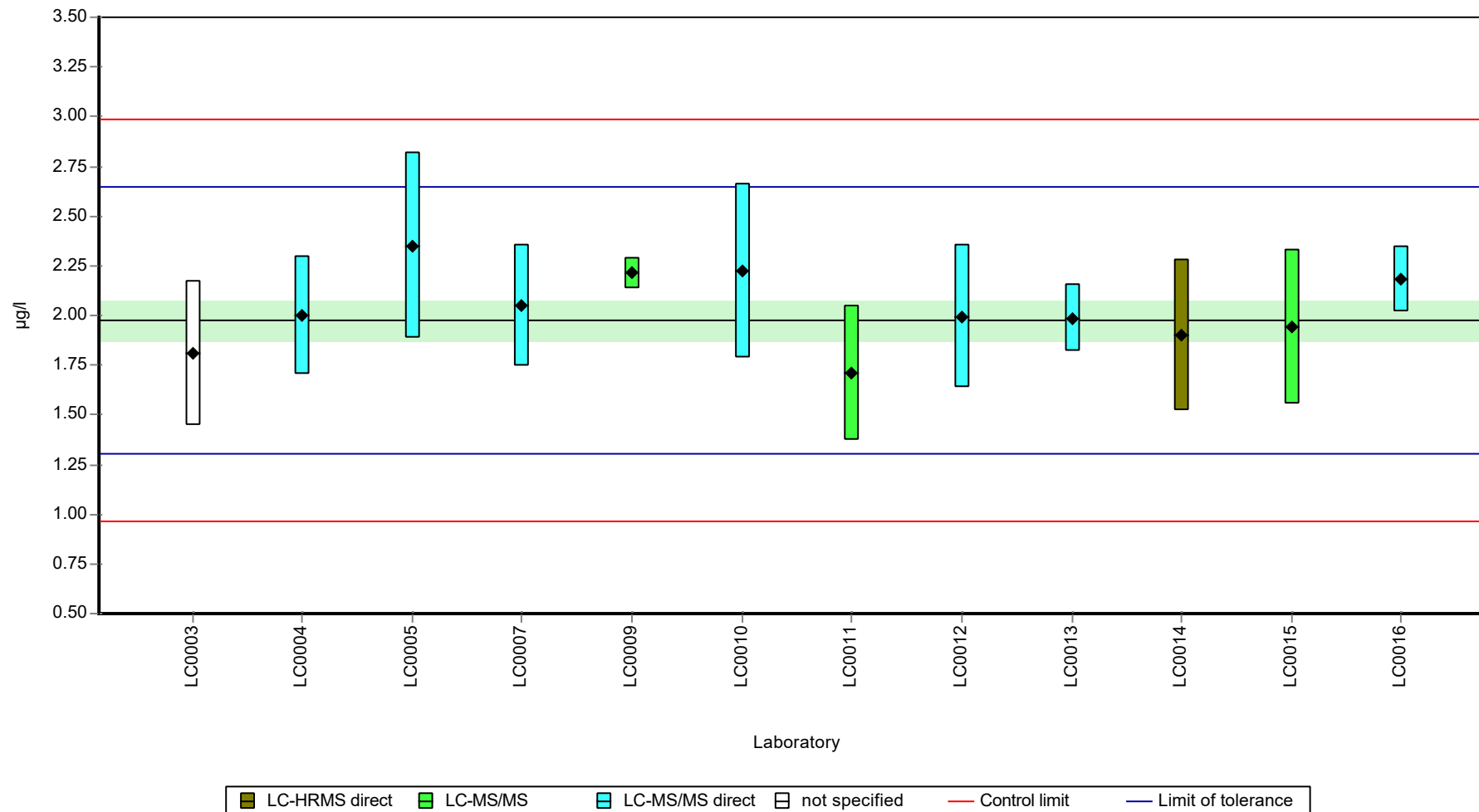
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	1.81	0.362	91.7	-0.49	
LC0004	2	0.3	101	0.07	
LC0005	2.35	0.47	119	1.12	
LC0006	-	-	-	-	
LC0007	2.05	0.308	104	0.22	
LC0008	-	-	-	-	
LC0009	2.213	0.079	112	0.71	
LC0010	2.2212	0.44	112	0.73	
LC0011	1.71	0.342	86.6	-0.79	
LC0012	1.994	0.359	101	0.06	
LC0013	1.984	0.17	100	0.03	
LC0014	1.9	0.38	96.2	-0.22	
LC0015	1.94	0.39	98.2	-0.1	
LC0016	2.18	0.164	110	0.61	

Characteristics of parameter

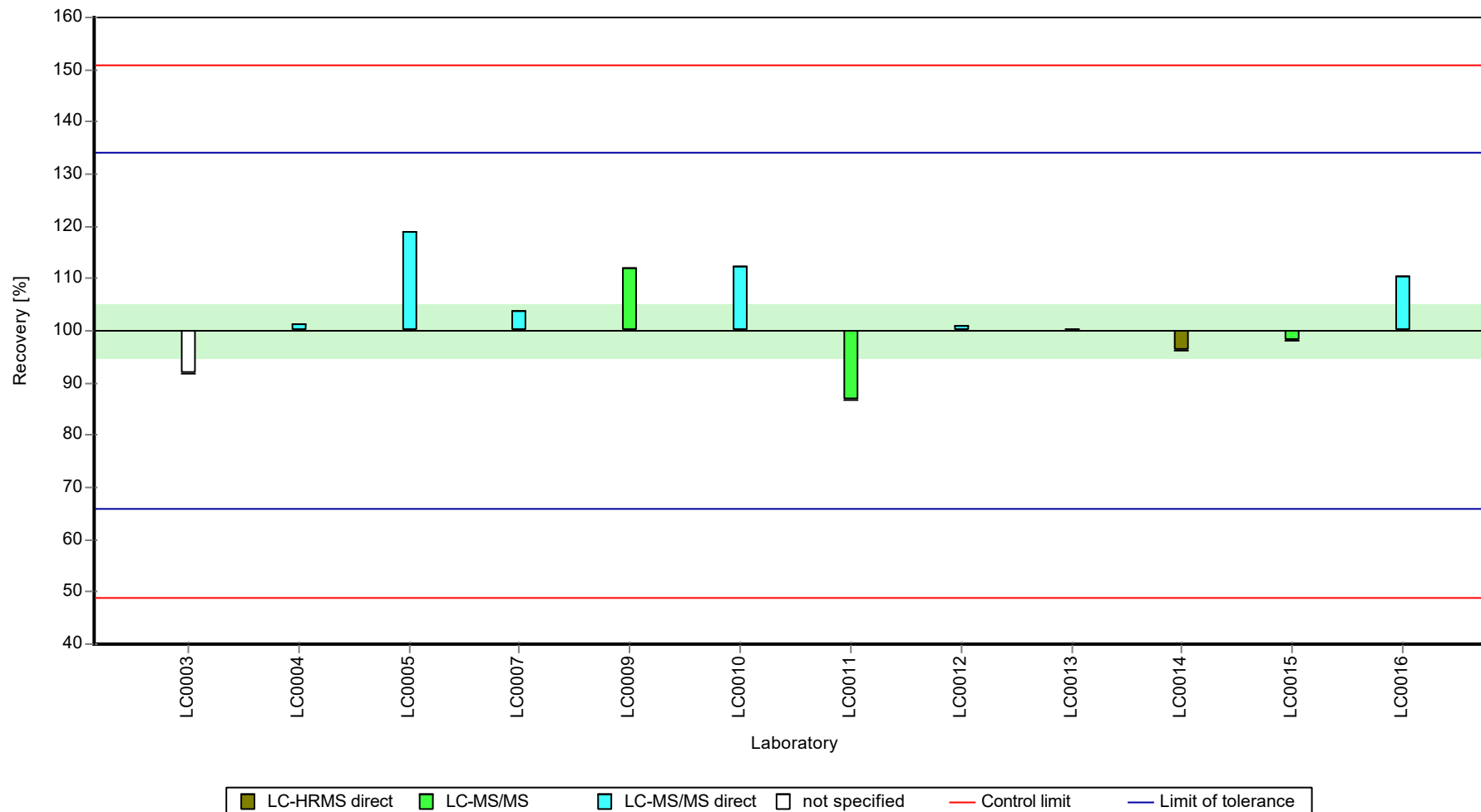
	all results	without outliers	Unit
Mean ± CI (99%)	2.03 ± 0.16	2.03 ± 0.16	µg/l
Minimum	1.71	1.71	µg/l
Maximum	2.35	2.35	µg/l
Standard deviation	0.185	0.185	µg/l
rel. standard deviation	9.1	9.1	%
n	12	12	-

Graphical presentation of results

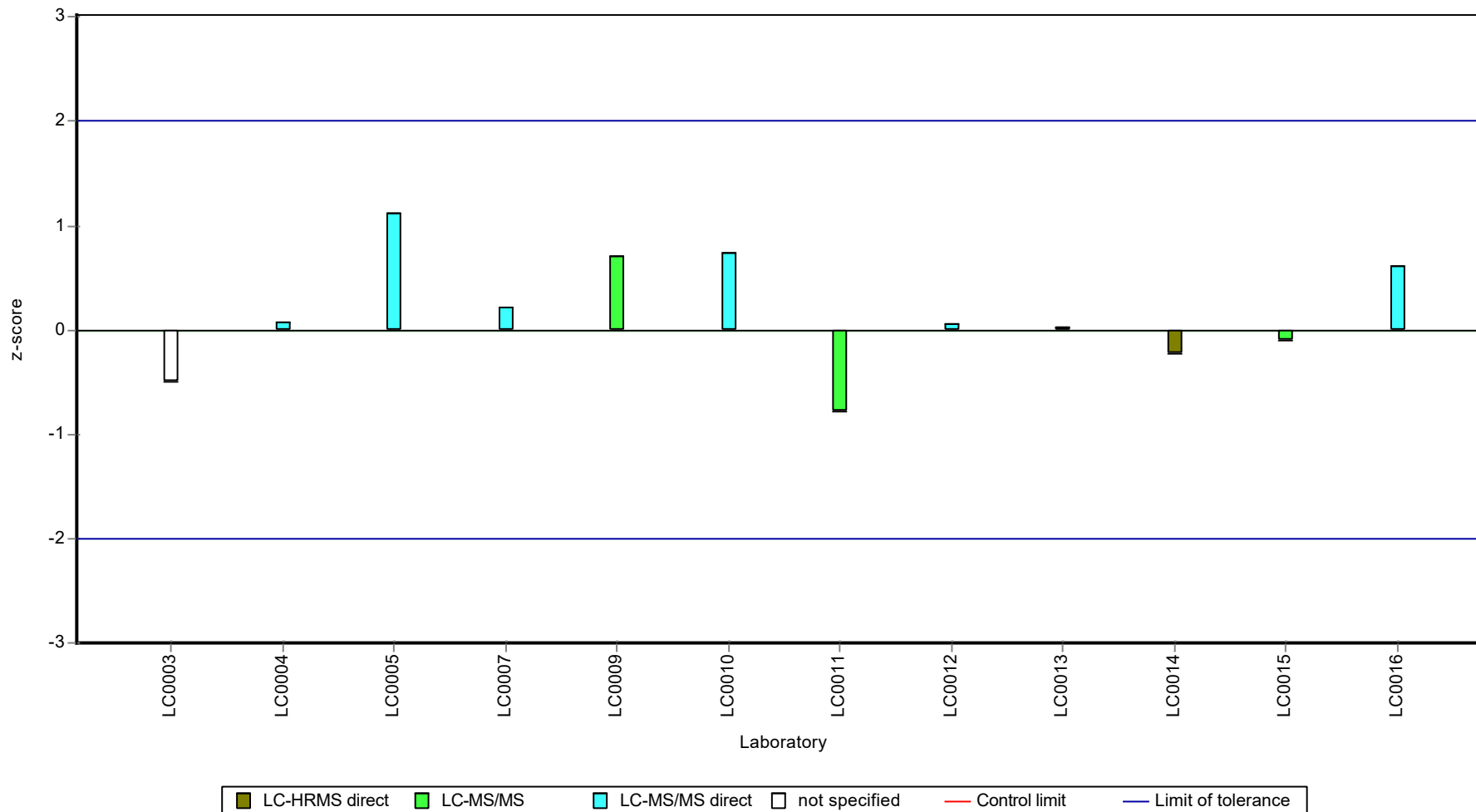
Results



Recovery rate



Z-score



Parameter oriented report

AZ7 A

Amidotrizoic acid

Unit	µg/l
Assigned value ± U (k=2)	0.464 ± 0.0635
Criterion	0.0876 (19 %)
Minimum - Maximum	0.301 - 0.644
Control test value ± U (k=2)	0.613 ± 0.123

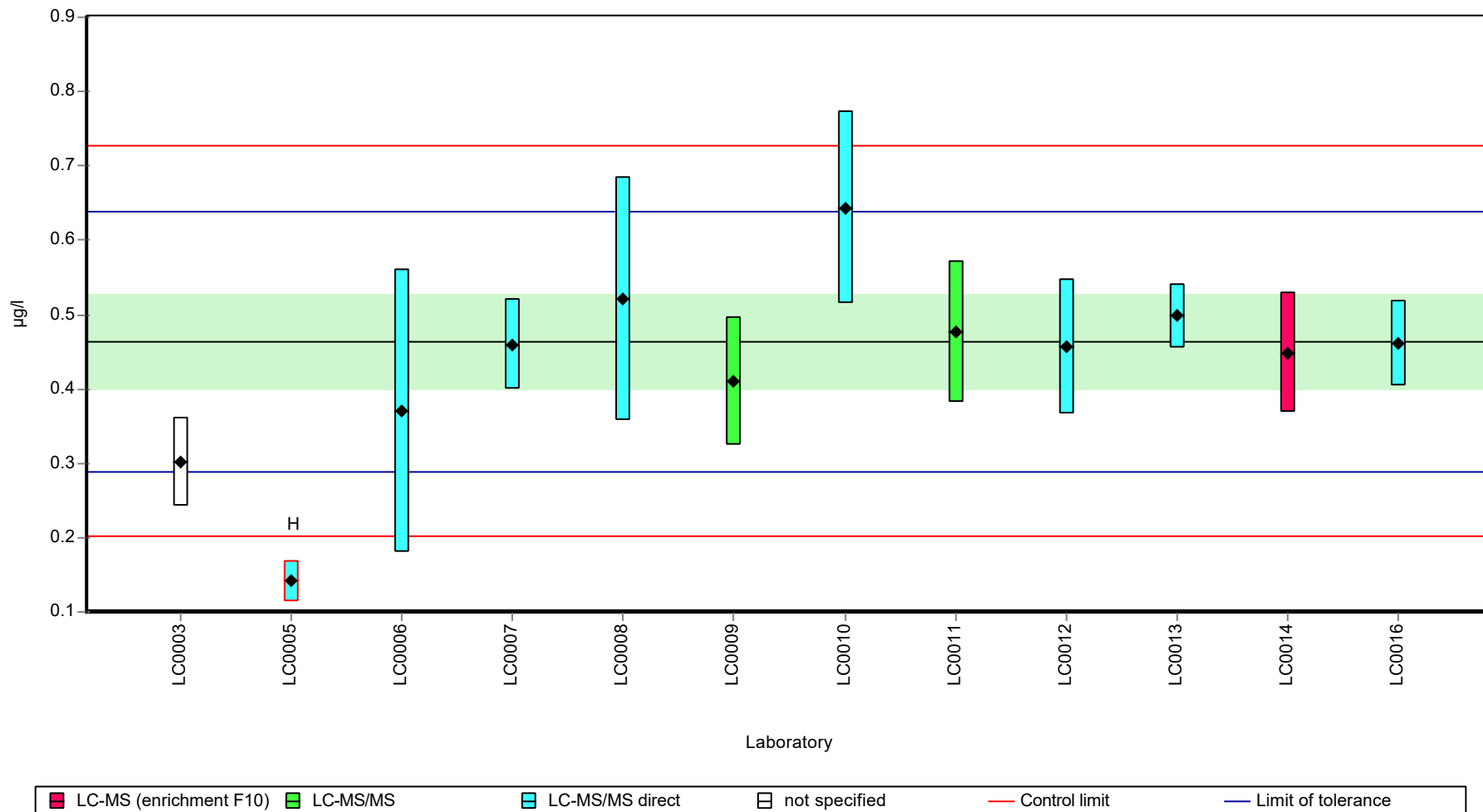
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	0.301	0.06	64.9	-1.86	
LC0004	-	-	-	-	
LC0005	0.141	0.028	30.4	-3.69	H
LC0006	0.37	0.19	79.8	-1.07	
LC0007	0.46	0.06	99.2	-0.04	
LC0008	0.521	0.163	112	0.65	
LC0009	0.4106	0.086	88.5	-0.61	
LC0010	0.6435	0.13	139	2.05	
LC0011	0.476	0.095	103	0.14	
LC0012	0.456	0.091	98.3	-0.09	
LC0013	0.498	0.044	107	0.39	
LC0014	0.449	0.081	96.8	-0.17	
LC0015	-	-	-	-	
LC0016	0.461	0.058	99.4	-0.03	

Characteristics of parameter

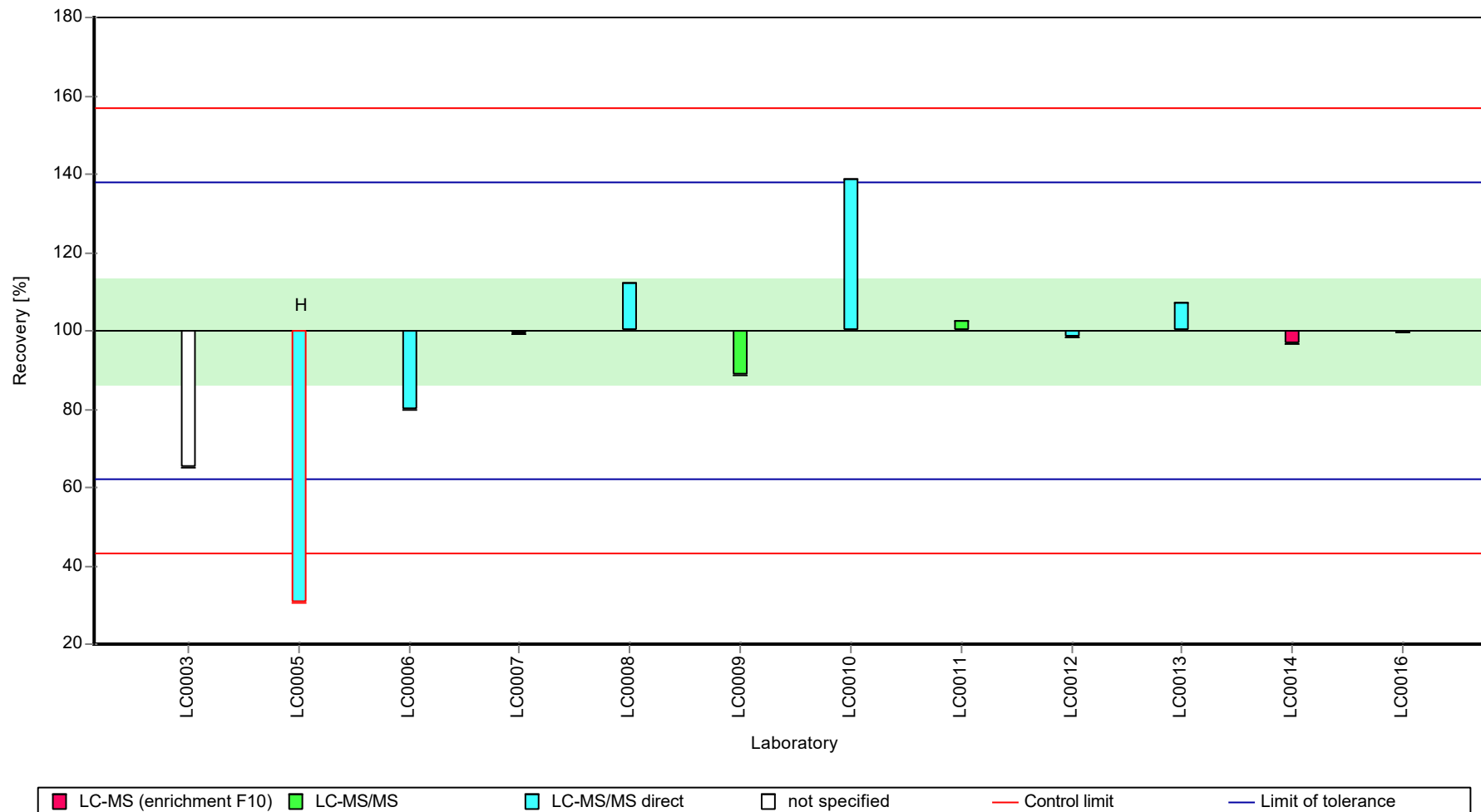
	all results	without outliers	Unit
Mean ± CI (99%)	0.432 ± 0.107	0.459 ± 0.0784	µg/l
Minimum	0.141	0.301	µg/l
Maximum	0.644	0.644	µg/l
Standard deviation	0.123	0.0866	µg/l
rel. standard deviation	28.6	18.9	%
n	12	11	-

Graphical presentation of results

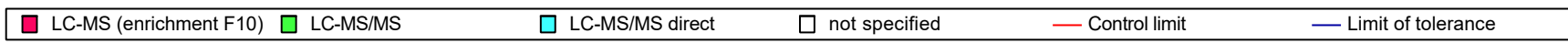
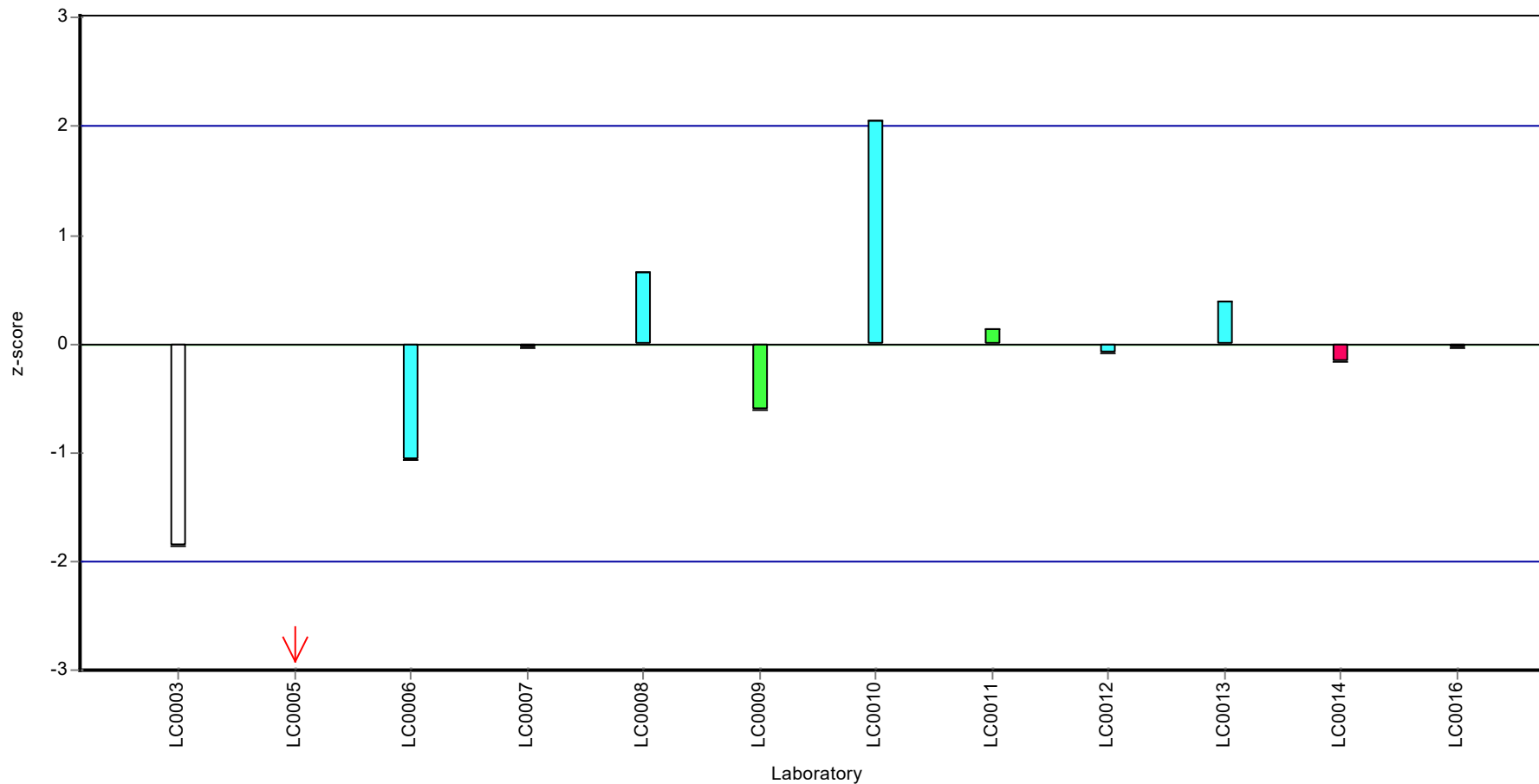
Results



Recovery rate



Z-score



Parameter oriented report

AZ7 B

Amidotrizoic acid

Unit	µg/l
Assigned value ± U (k=2)	1.09 ± 0.223
Criterion	0.378 (35 %)
Minimum - Maximum	0.319 - 1.56
Control test value ± U (k=2)	1.39 ± 0.277

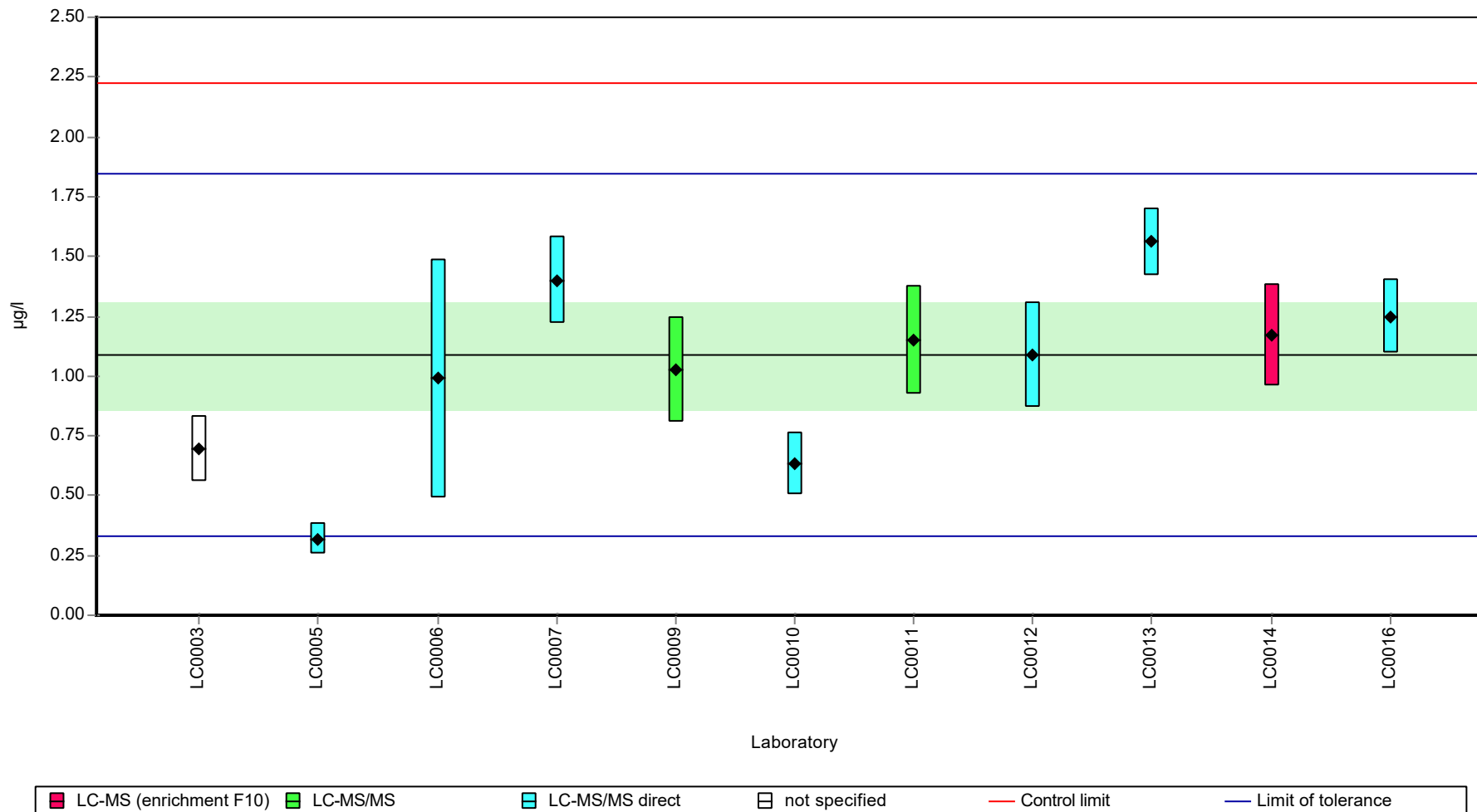
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	0.696	0.139	64.1	-1.03	
LC0004	-	-	-	-	
LC0005	0.319	0.064	29.4	-2.03	
LC0006	0.99	0.5	91.1	-0.25	
LC0007	1.4	0.182	129	0.83	
LC0008	-	-	-	-	
LC0009	1.0288	0.22	94.7	-0.15	
LC0010	0.635	0.13	58.5	-1.19	
LC0011	1.15	0.229	106	0.17	
LC0012	1.088	0.218	100	0.00	
LC0013	1.56	0.14	144	1.25	
LC0014	1.17	0.211	108	0.22	
LC0015	-	-	-	-	
LC0016	1.25	0.156	115	0.43	

Characteristics of parameter

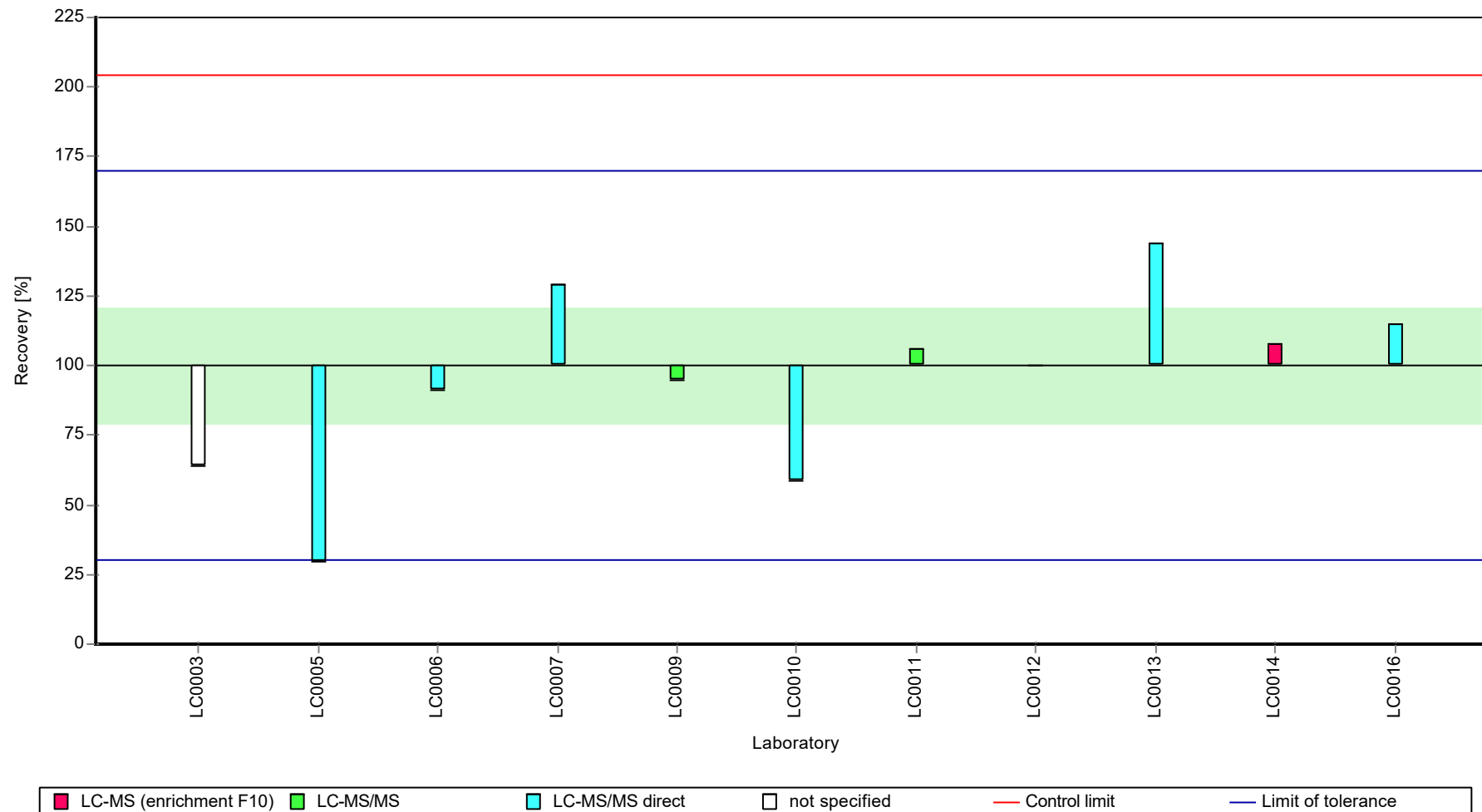
	all results	without outliers	Unit
Mean ± CI (99%)	1.03 ± 0.323	1.03 ± 0.323	µg/l
Minimum	0.319	0.319	µg/l
Maximum	1.56	1.56	µg/l
Standard deviation	0.357	0.358	µg/l
rel. standard deviation	34.8	34.8	%
n	11	11	-

Graphical presentation of results

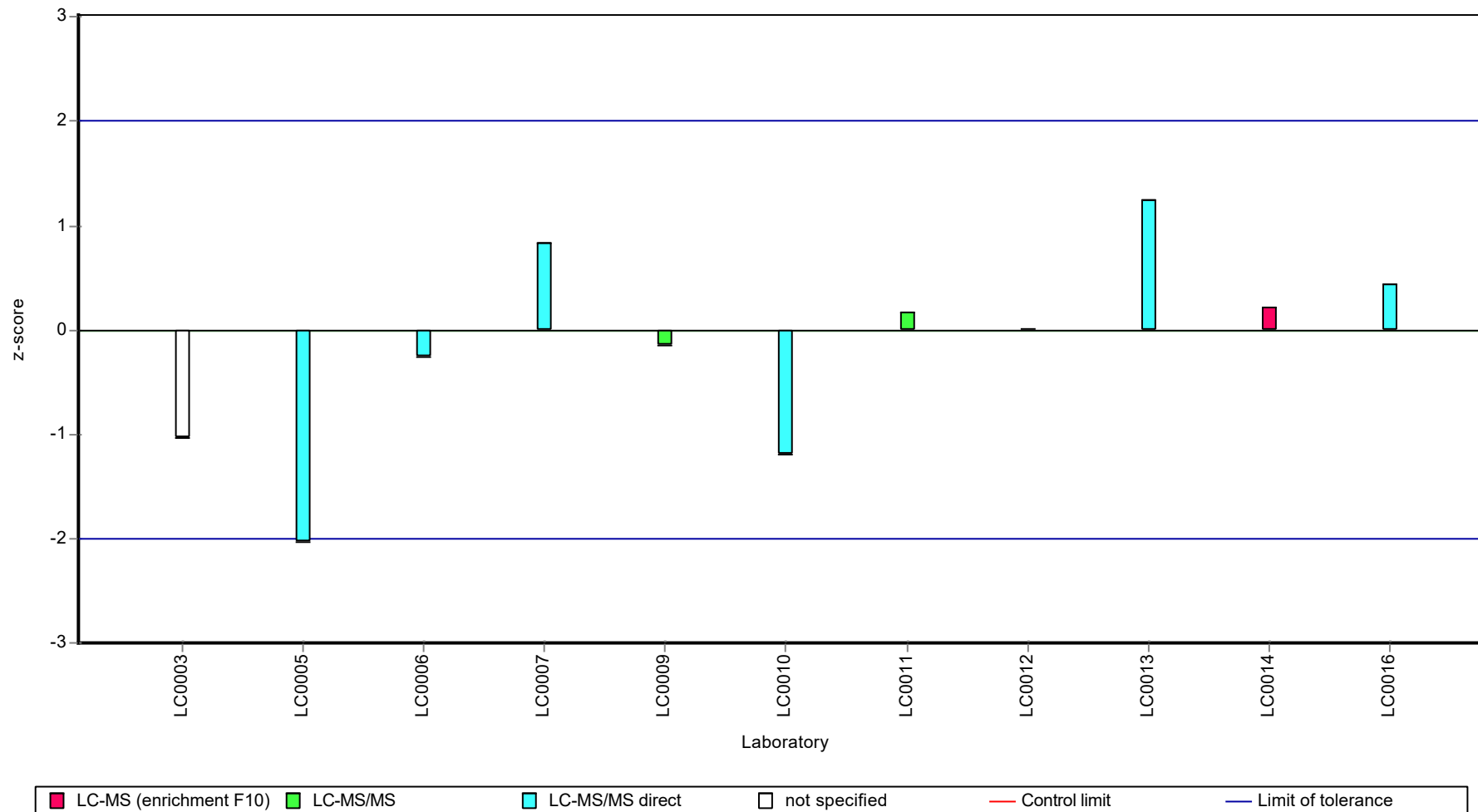
Results



Recovery rate



Z-score



Parameter oriented report

AZ7 A

Atenolol

Unit	µg/l
Assigned value ± U (k=2)	0.316 ± 0.0247
Criterion	0.0349 (11 %)
Minimum - Maximum	0.27 - 0.366
Control test value ± U (k=2)	0.349 ± 0.0523

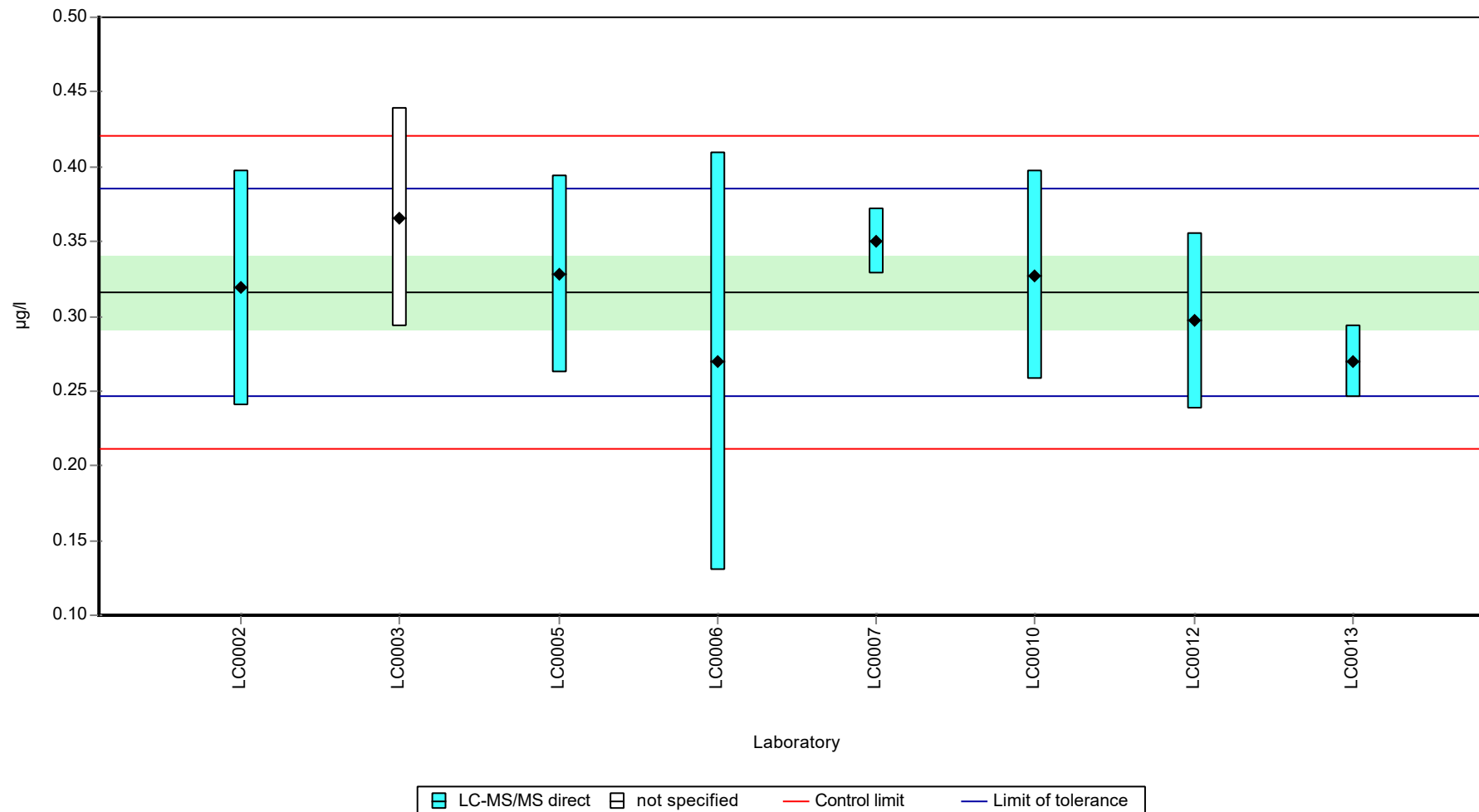
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	0.319	0.079	101	0.09	
LC0003	0.366	0.073	116	1.43	
LC0004	-	-	-	-	
LC0005	0.328	0.066	104	0.35	
LC0006	0.27	0.14	85.5	-1.32	
LC0007	0.35	0.022	111	0.98	
LC0008	-	-	-	-	
LC0009	-	-	-	-	
LC0010	0.3273	0.07	104	0.33	
LC0011	-	-	-	-	
LC0012	0.297	0.059	94	-0.54	
LC0013	0.27	0.024	85.5	-1.32	
LC0014	-	-	-	-	
LC0015	-	-	-	-	
LC0016	-	-	-	-	

Characteristics of parameter

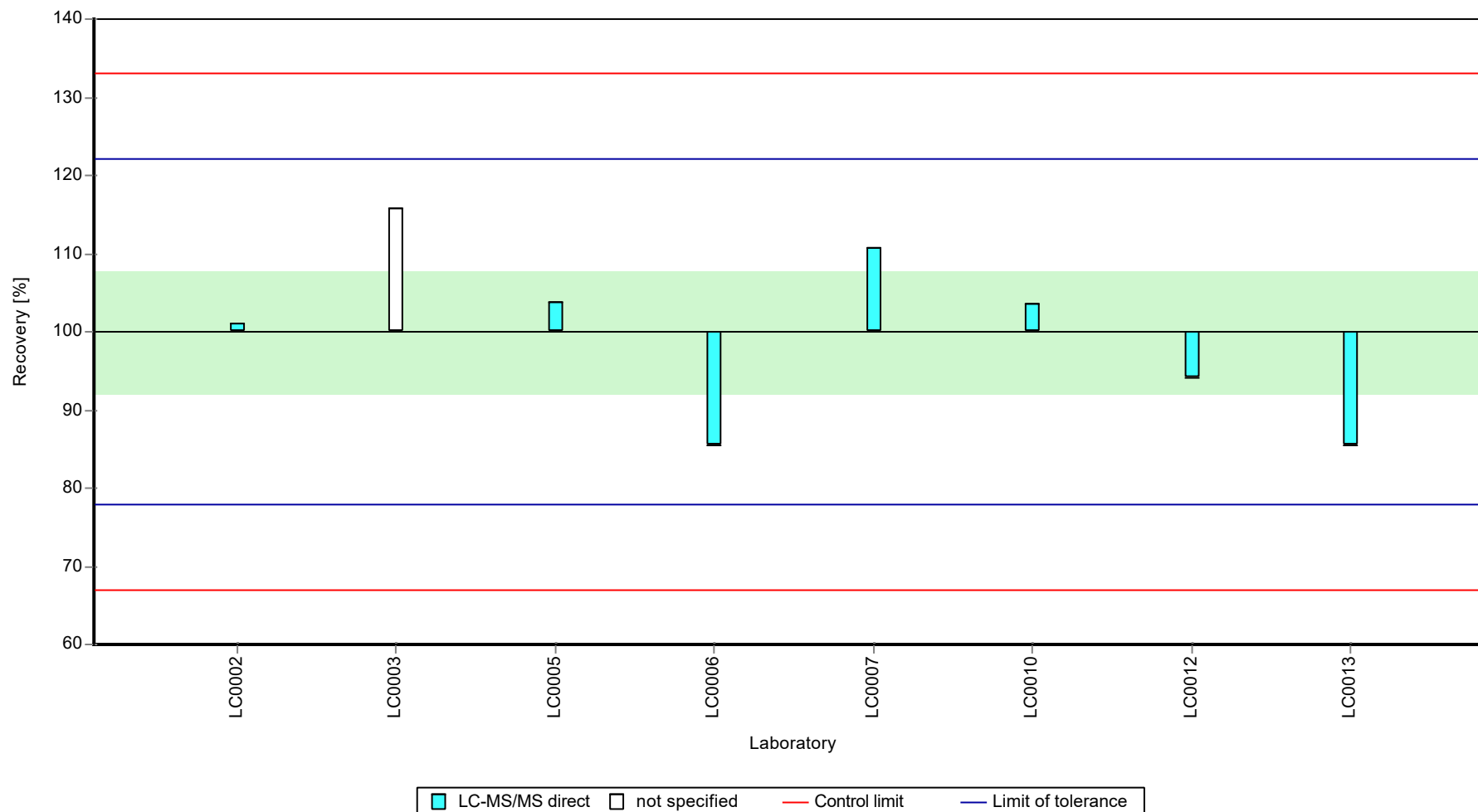
	all results	without outliers	Unit
Mean ± CI (99%)	0.316 ± 0.037	0.316 ± 0.037	µg/l
Minimum	0.27	0.27	µg/l
Maximum	0.366	0.366	µg/l
Standard deviation	0.0349	0.0349	µg/l
rel. standard deviation	11	11	%
n	8	8	-

Graphical presentation of results

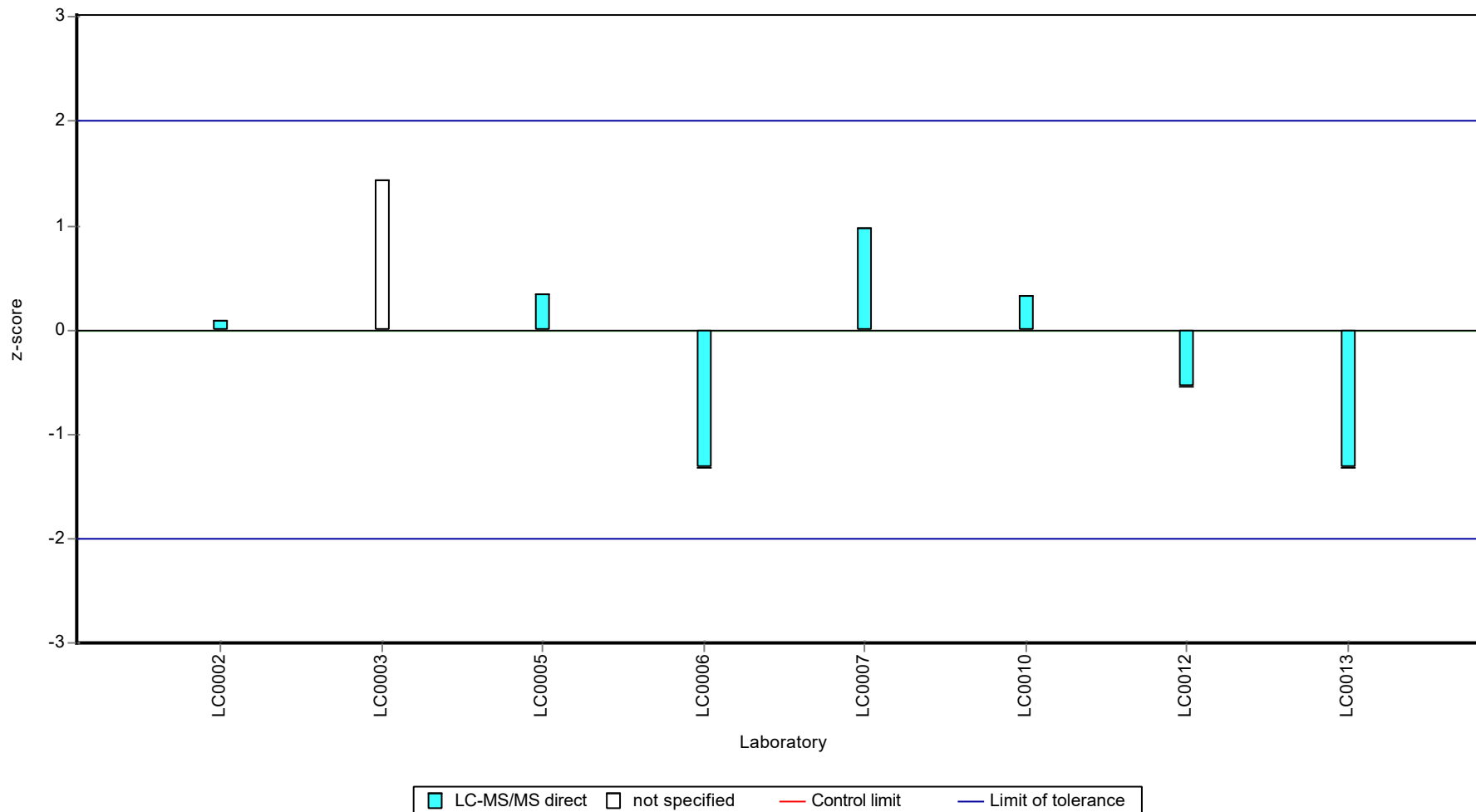
Results



Recovery rate



Z-score



Parameter oriented report

AZ7 B

Atenolol

Unit	µg/l
Assigned value ± U (k=2)	0.377 ± 0.0648
Criterion	0.0792 (21 %)
Minimum - Maximum	0.288 - 0.506
Control test value ± U (k=2)	0.471 ± 0.0706

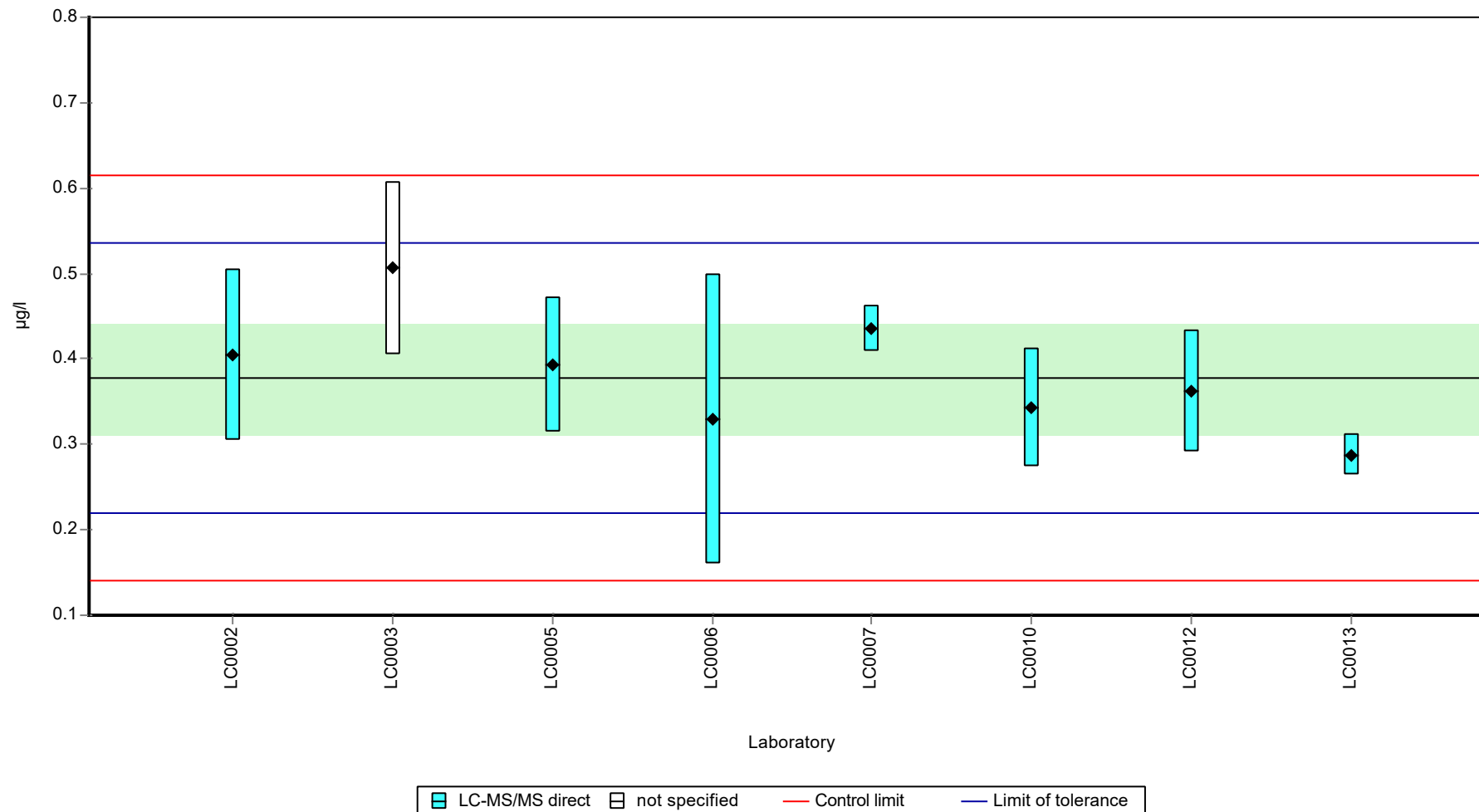
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	0.404	0.1	107	0.34	
LC0003	0.506	0.101	134	1.62	
LC0004	-	-	-	-	
LC0005	0.393	0.079	104	0.2	
LC0006	0.33	0.17	87.5	-0.6	
LC0007	0.435	0.027	115	0.73	
LC0008	-	-	-	-	
LC0009	-	-	-	-	
LC0010	0.3428	0.07	90.9	-0.43	
LC0011	-	-	-	-	
LC0012	0.362	0.072	95.9	-0.19	
LC0013	0.288	0.025	76.3	-1.13	
LC0014	-	-	-	-	
LC0015	-	-	-	-	
LC0016	-	-	-	-	

Characteristics of parameter

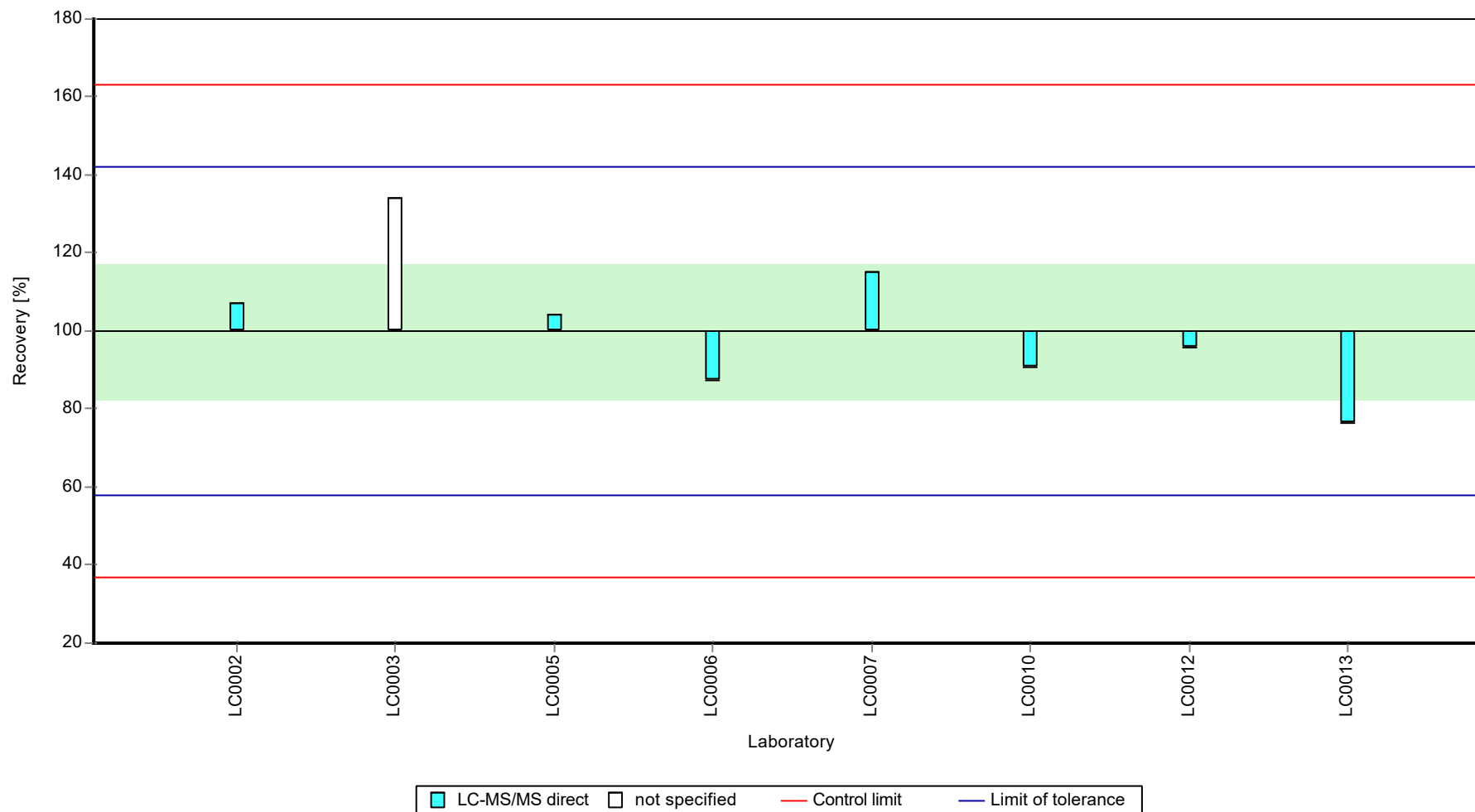
	all results	without outliers	Unit
Mean ± CI (99%)	0.383 ± 0.072	0.383 ± 0.072	µg/l
Minimum	0.288	0.288	µg/l
Maximum	0.506	0.506	µg/l
Standard deviation	0.0679	0.0679	µg/l
rel. standard deviation	17.7	17.7	%
n	8	8	-

Graphical presentation of results

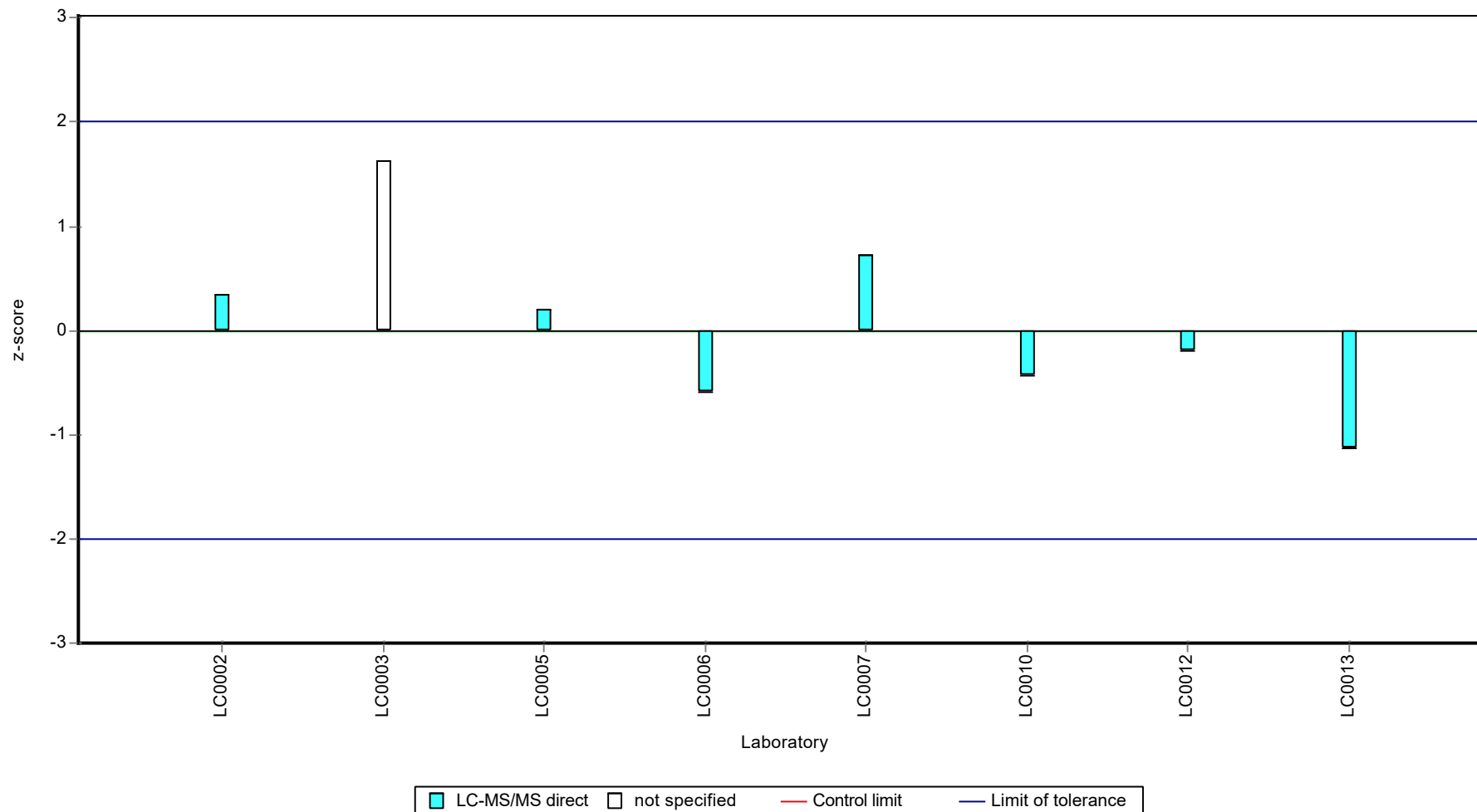
Results



Recovery rate



Z-score



Parameter oriented report

AZ7 A

Benzotriazole

Unit	µg/l
Assigned value ± U (k=2)	0.147 ± 0.00852
Criterion	0.0177 (12 %)
Minimum - Maximum	0.12 - 0.16
Control test value ± U (k=2)	0.187 ± 0.0281

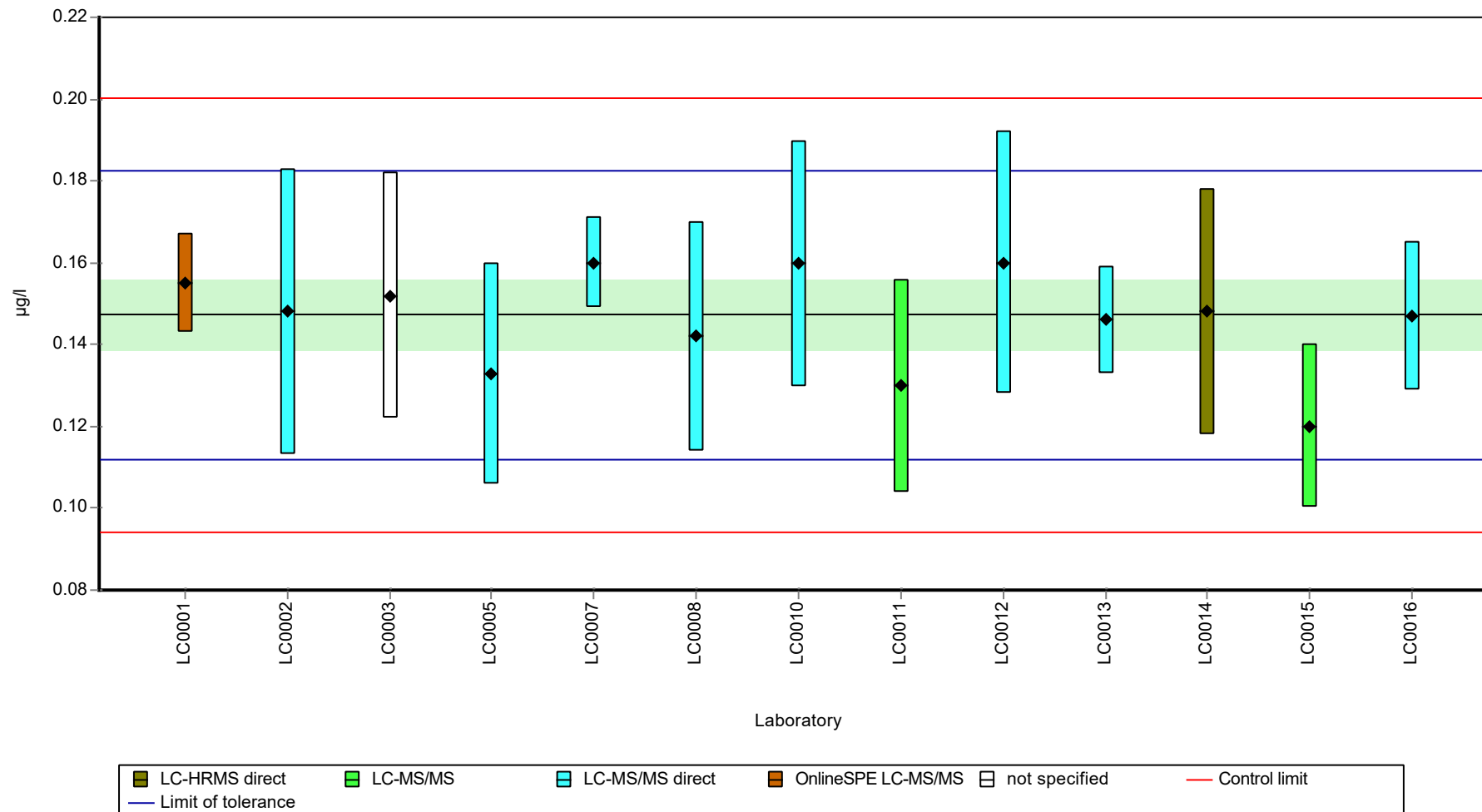
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.155	0.012	105	0.44	
LC0002	0.148	0.035	100	0.04	
LC0003	0.152	0.03	103	0.27	
LC0004	-	-	-	-	
LC0005	0.133	0.027	90.3	-0.81	
LC0006	-	-	-	-	
LC0007	0.16	0.011	109	0.72	
LC0008	0.142	0.028	96.4	-0.3	
LC0009	-	-	-	-	
LC0010	0.1598	0.03	109	0.71	
LC0011	0.13	0.026	88.3	-0.98	
LC0012	0.16	0.032	109	0.72	
LC0013	0.146	0.013	99.1	-0.07	
LC0014	0.148	0.03	100	0.04	
LC0015	0.12	0.02	81.5	-1.54	
LC0016	0.147	0.018	99.8	-0.02	

Characteristics of parameter

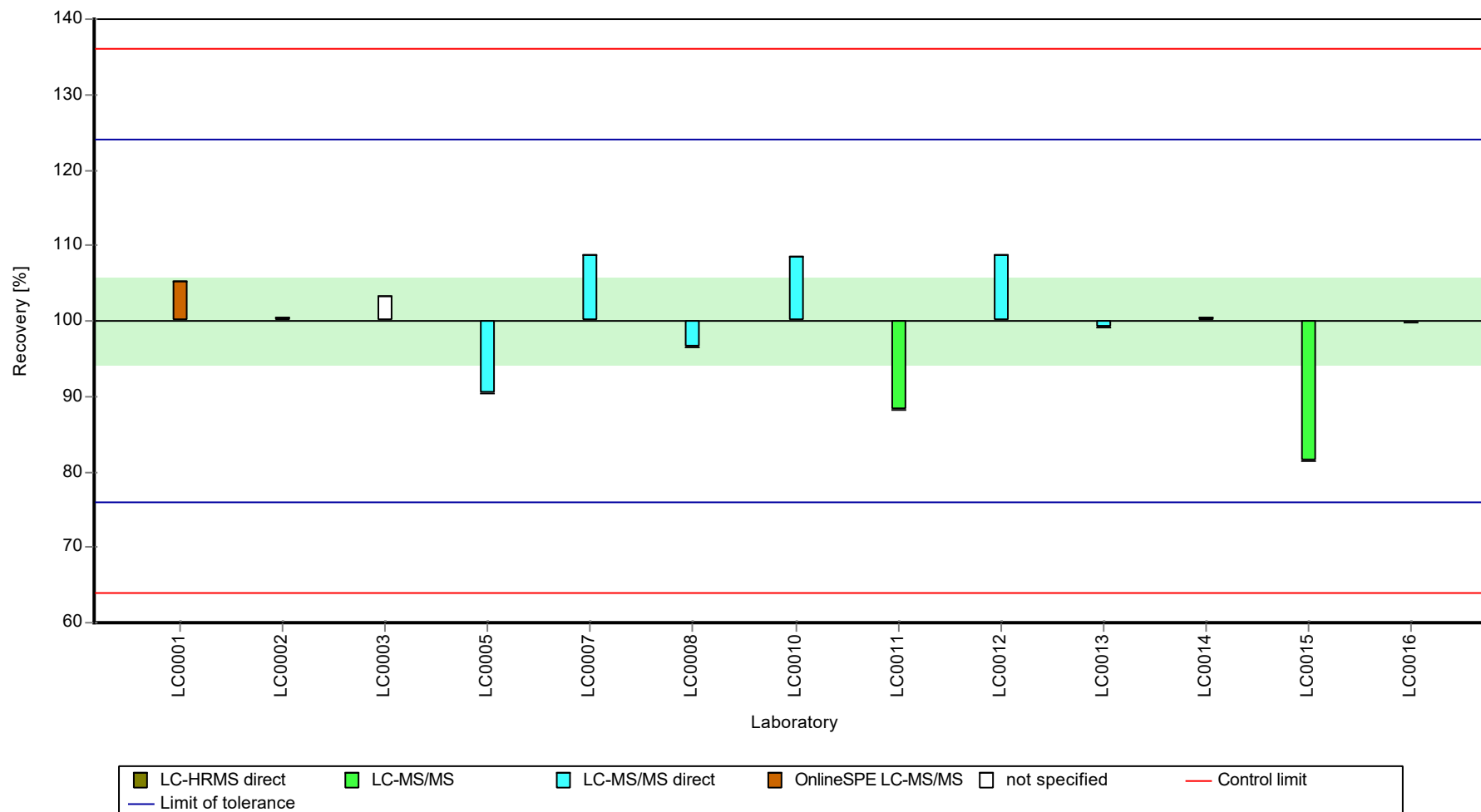
	all results	without outliers	Unit
Mean ± CI (99%)	0.146 ± 0.0103	0.146 ± 0.0103	µg/l
Minimum	0.12	0.12	µg/l
Maximum	0.16	0.16	µg/l
Standard deviation	0.0123	0.0123	µg/l
rel. standard deviation	8.43	8.43	%
n	13	13	-

Graphical presentation of results

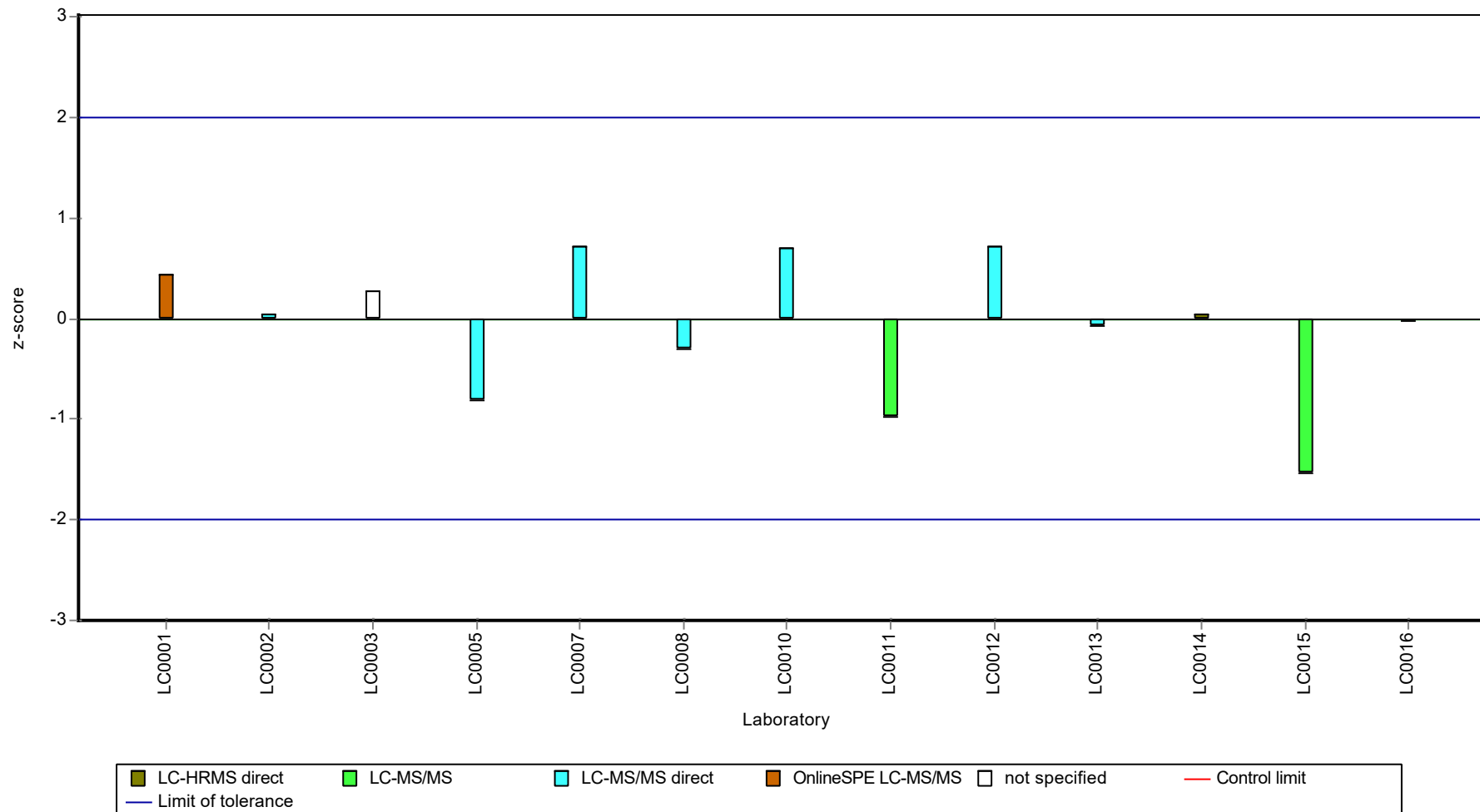
Results



Recovery rate



Z-score



Parameter oriented report

AZ7 B

Benzotriazole

Unit	µg/l
Assigned value ± U (k=2)	11.1 ± 0.511
Criterion	1.33 (12 %)
Minimum - Maximum	9.96 - 12.5
Control test value ± U (k=2)	-

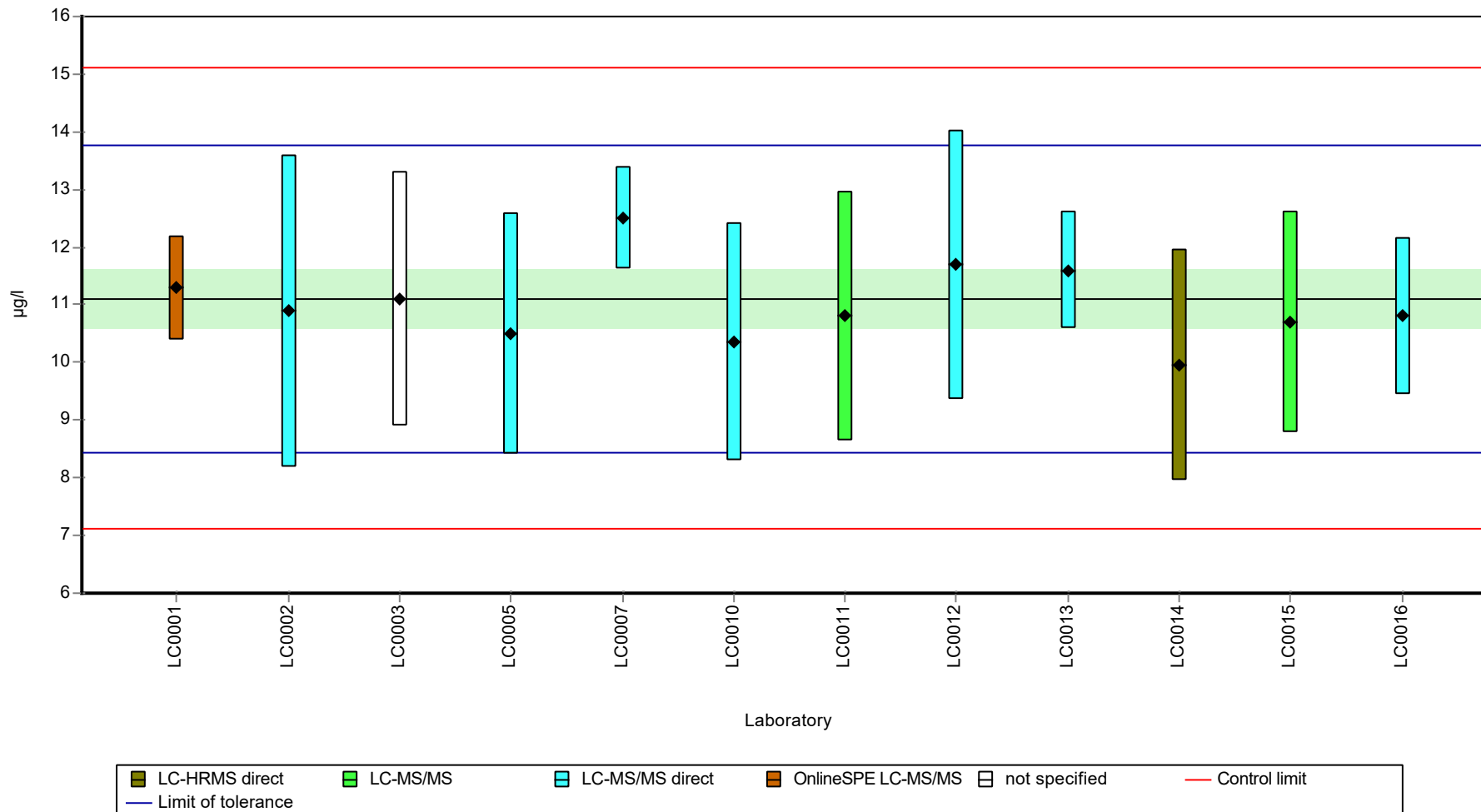
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	11.295	0.904	102	0.14	
LC0002	10.89	2.7	98	-0.17	
LC0003	11.1	2.2	99.9	-0.01	
LC0004	-	-	-	-	
LC0005	10.5	2.1	94.5	-0.46	
LC0006	-	-	-	-	
LC0007	12.5	0.883	112	1.04	
LC0008	-	-	-	-	
LC0009	-	-	-	-	
LC0010	10.3585	2.07	93.2	-0.56	
LC0011	10.8	2.15	97.2	-0.23	
LC0012	11.69	2.34	105	0.43	
LC0013	11.6	1.02	104	0.37	
LC0014	9.96	2	89.6	-0.86	
LC0015	10.7	1.93	96.3	-0.31	
LC0016	10.8	1.35	97.2	-0.23	

Characteristics of parameter

	all results	without outliers	Unit
Mean ± CI (99%)	11 ± 0.59	11 ± 0.59	µg/l
Minimum	9.96	9.96	µg/l
Maximum	12.5	12.5	µg/l
Standard deviation	0.681	0.681	µg/l
rel. standard deviation	6.18	6.18	%
n	12	12	-

Graphical presentation of results

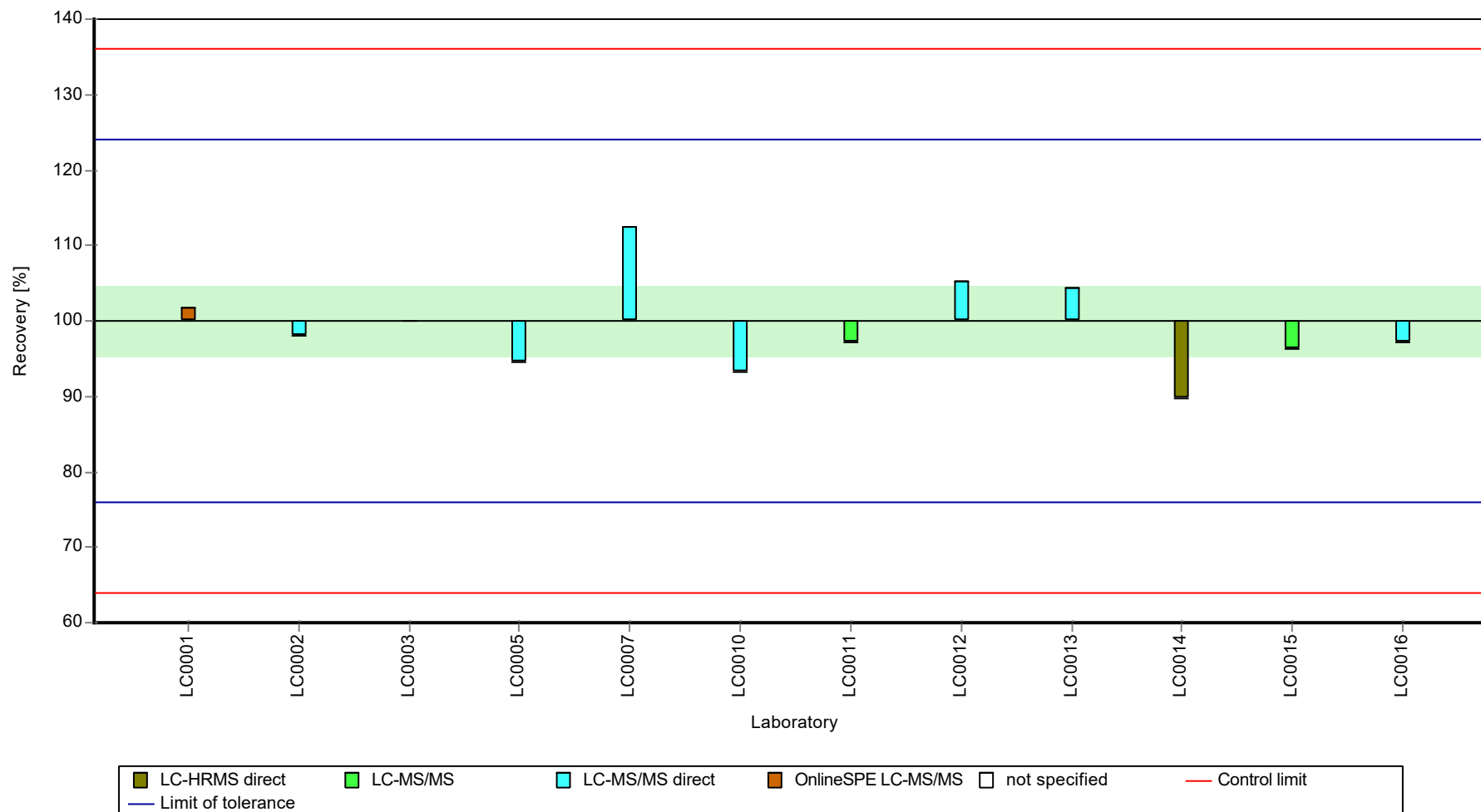
Results



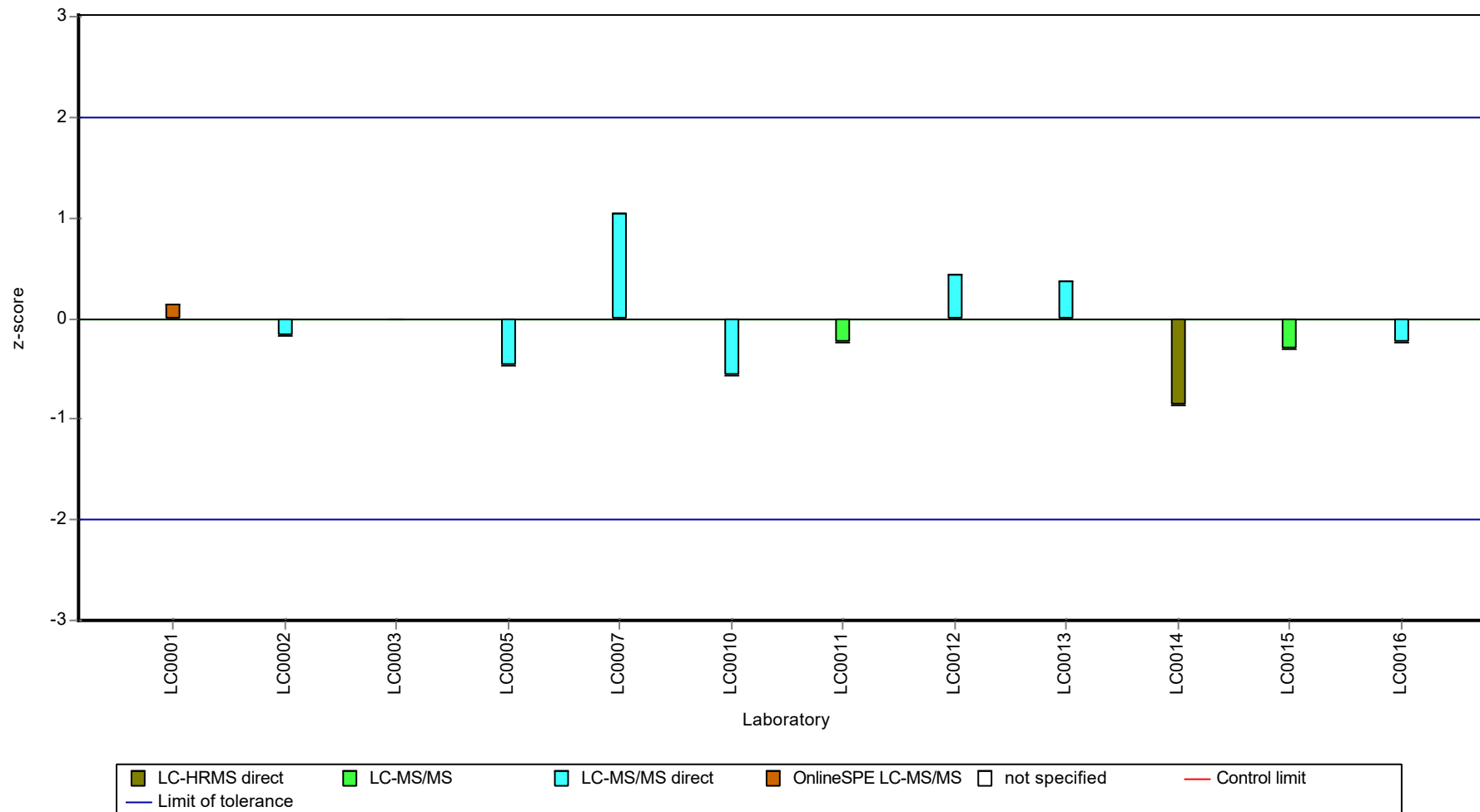
Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ7

Sample: AZ7B, Parameter: Benzotriazole

Recovery rate



Z-score



Parameter oriented report

AZ7 A

Bisoprolol

Unit	µg/l
Assigned value ± U (k=2)	-
Criterion	-
Minimum - Maximum	0.132 - 0.151
Control test value ± U (k=2)	0.153 ± 0.0229

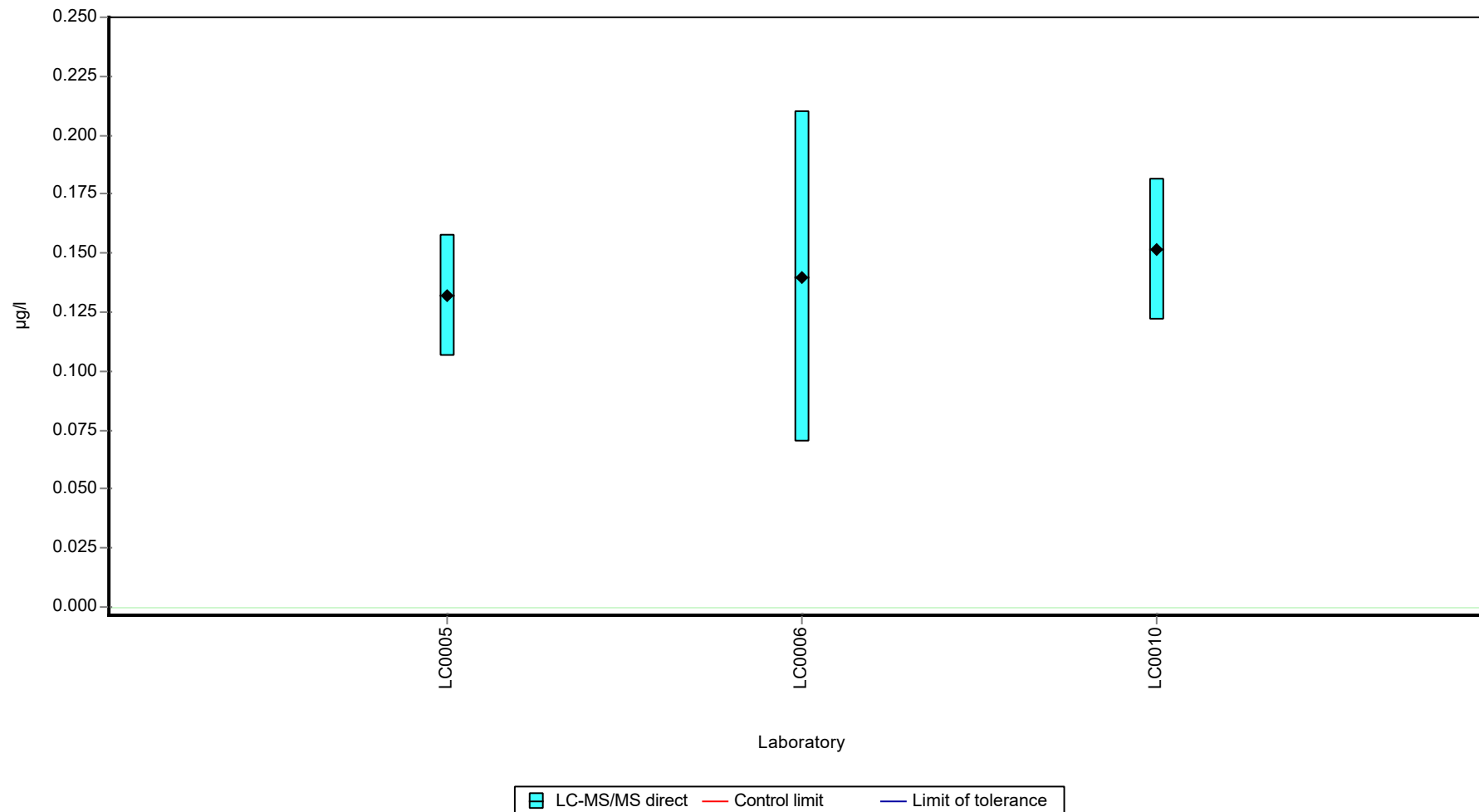
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	0.132	0.026	-	-	
LC0006	0.14	0.07	-	-	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	-	-	-	-	
LC0010	0.1513	0.03	-	-	
LC0011	-	-	-	-	
LC0012	-	-	-	-	
LC0013	-	-	-	-	
LC0014	-	-	-	-	
LC0015	-	-	-	-	
LC0016	-	-	-	-	

Characteristics of parameter

	all results	without outliers	Unit
Mean ± CI (99%)	0.141 ± 0.0168	-	µg/l
Minimum	0.132	0.132	µg/l
Maximum	0.151	0.151	µg/l
Standard deviation	0.0097	-	µg/l
rel. standard deviation	6.87	-	%
n	3	3	-

Graphical presentation of results

Results



Parameter oriented report

AZ7 B

Bisoprolol

Unit	µg/l
Assigned value ± U (k=2)	-
Criterion	-
Minimum - Maximum	0.254 - 0.29
Control test value ± U (k=2)	0.323 ± 0.0484

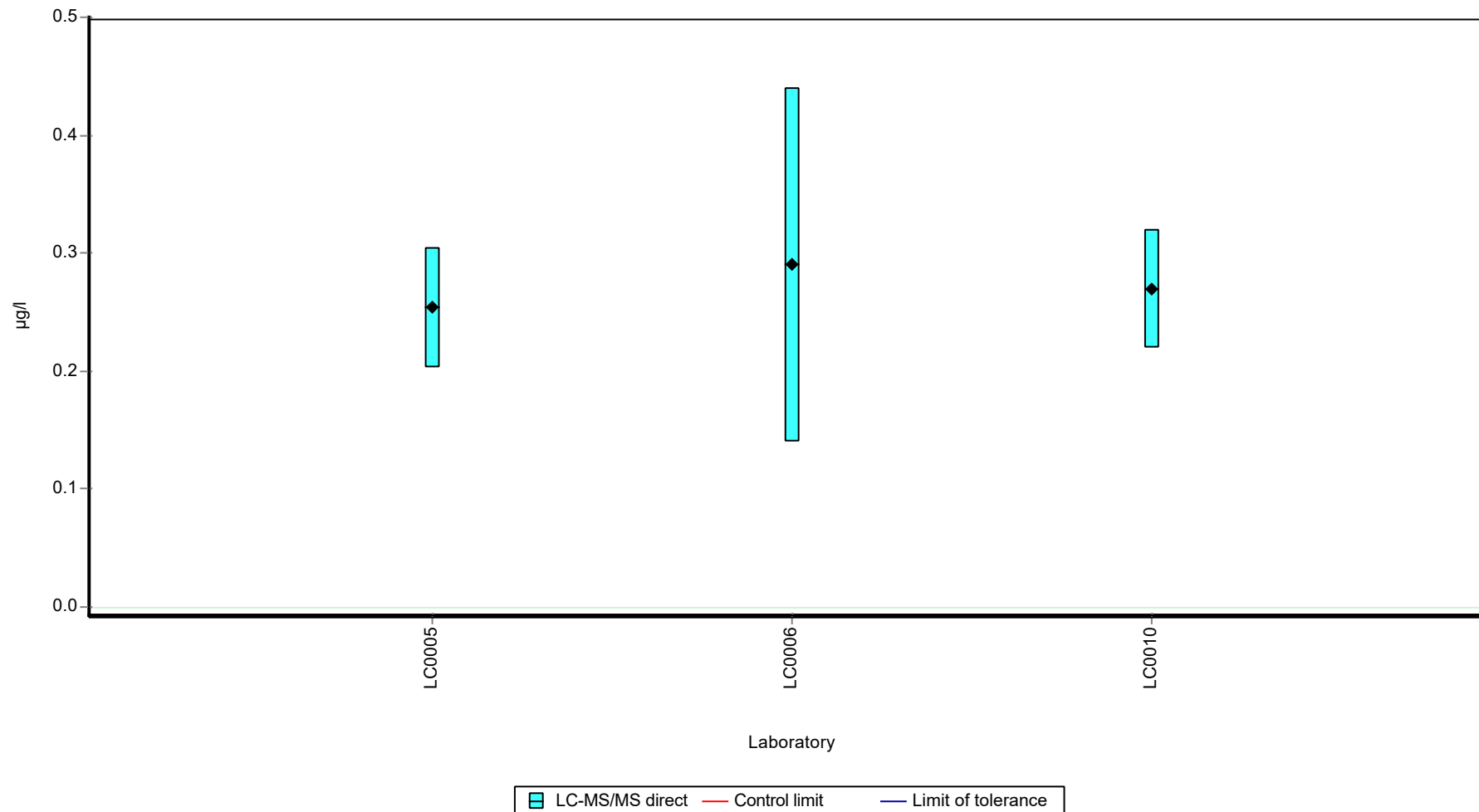
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	0.254	0.051	-	-	
LC0006	0.29	0.15	-	-	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	-	-	-	-	
LC0010	0.2695	0.05	-	-	
LC0011	-	-	-	-	
LC0012	-	-	-	-	
LC0013	-	-	-	-	
LC0014	-	-	-	-	
LC0015	-	-	-	-	
LC0016	-	-	-	-	

Characteristics of parameter

	all results	without outliers	Unit
Mean ± CI (99%)	0.271 ± 0.0313	-	µg/l
Minimum	0.254	0.254	µg/l
Maximum	0.29	0.29	µg/l
Standard deviation	0.0181	-	µg/l
rel. standard deviation	6.66	-	%
n	3	3	-

Graphical presentation of results

Results



Parameter oriented report

AZ7 A

Carbamazepine

Unit	µg/l
Assigned value ± U (k=2)	0.301 ± 0.0116
Criterion	0.0391 (13 %)
Minimum - Maximum	0.257 - 0.34
Control test value ± U (k=2)	0.344 ± 0.0516

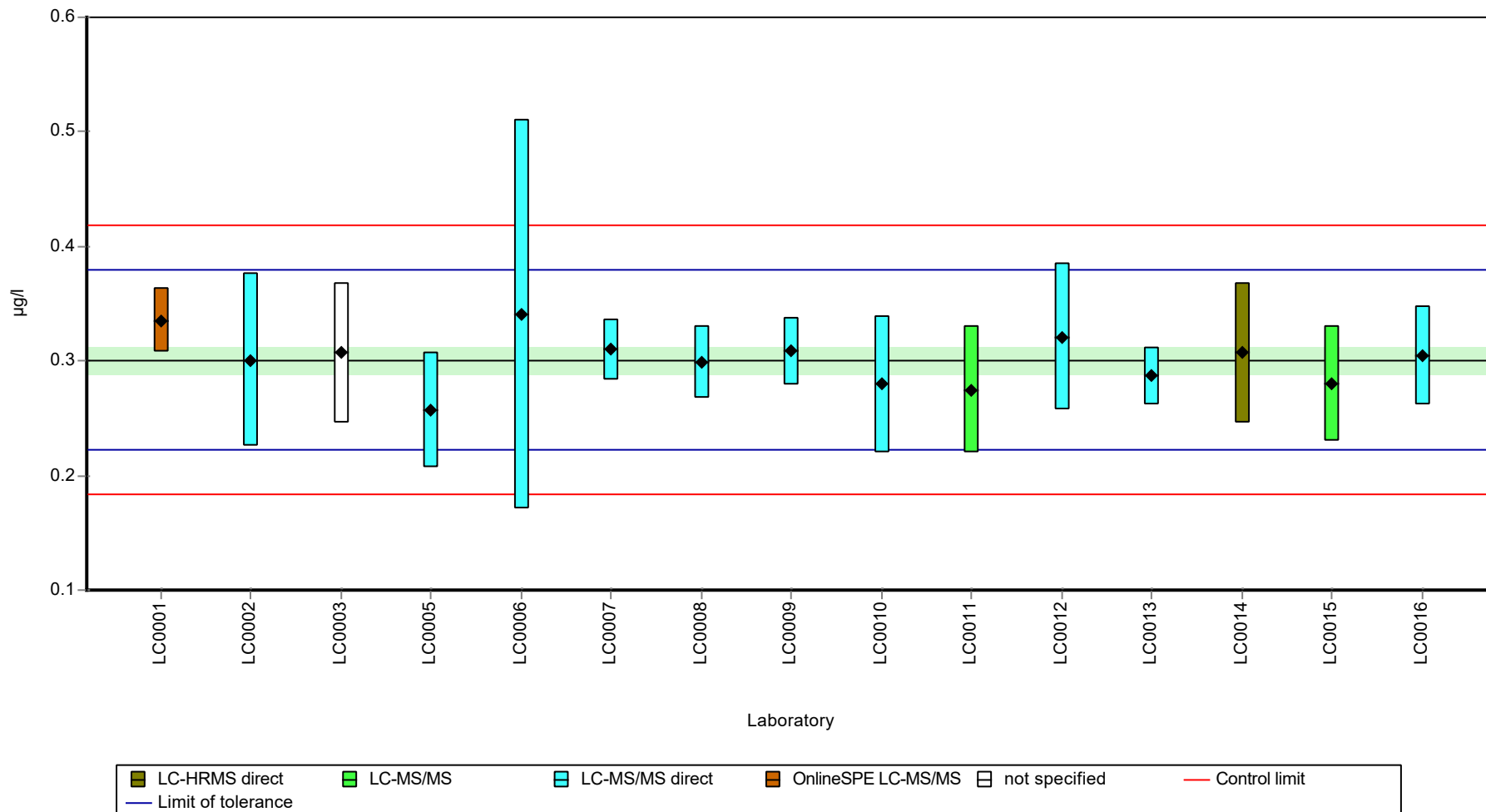
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.335	0.028	111	0.88	
LC0002	0.301	0.075	100	0.01	
LC0003	0.307	0.061	102	0.16	
LC0004	-	-	-	-	
LC0005	0.257	0.051	85.4	-1.12	
LC0006	0.34	0.17	113	1	
LC0007	0.31	0.027	103	0.24	
LC0008	0.299	0.032	99.4	-0.05	
LC0009	0.3083	0.03	102	0.19	
LC0010	0.2795	0.06	92.9	-0.54	
LC0011	0.275	0.055	91.4	-0.66	
LC0012	0.321	0.064	107	0.52	
LC0013	0.287	0.025	95.4	-0.35	
LC0014	0.307	0.061	102	0.16	
LC0015	0.28	0.05	93.1	-0.53	
LC0016	0.305	0.043	101	0.11	

Characteristics of parameter

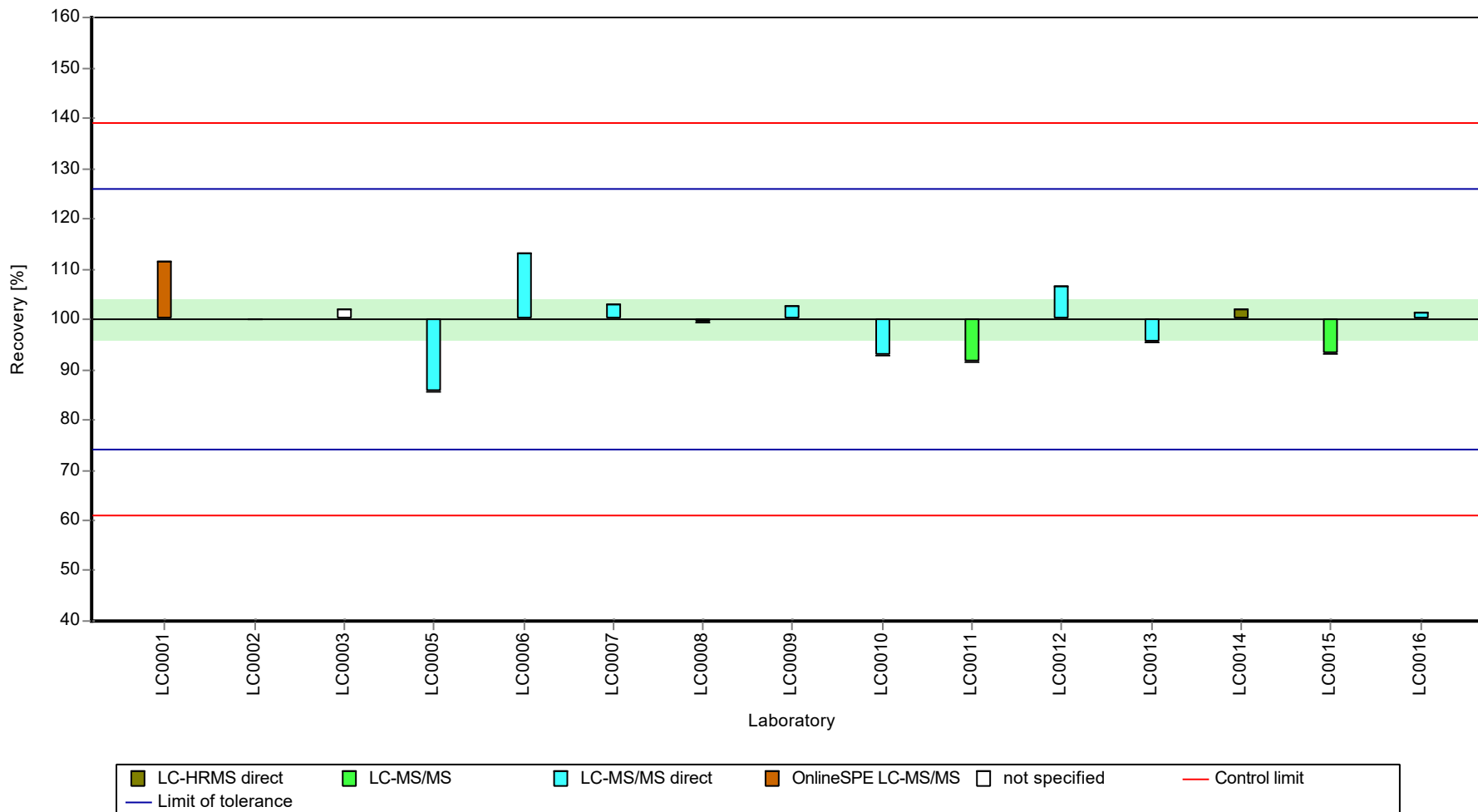
	all results	without outliers	Unit
Mean ± CI (99%)	0.301 ± 0.0173	0.301 ± 0.0173	µg/l
Minimum	0.257	0.257	µg/l
Maximum	0.34	0.34	µg/l
Standard deviation	0.0224	0.0224	µg/l
rel. standard deviation	7.44	7.44	%
n	15	15	-

Graphical presentation of results

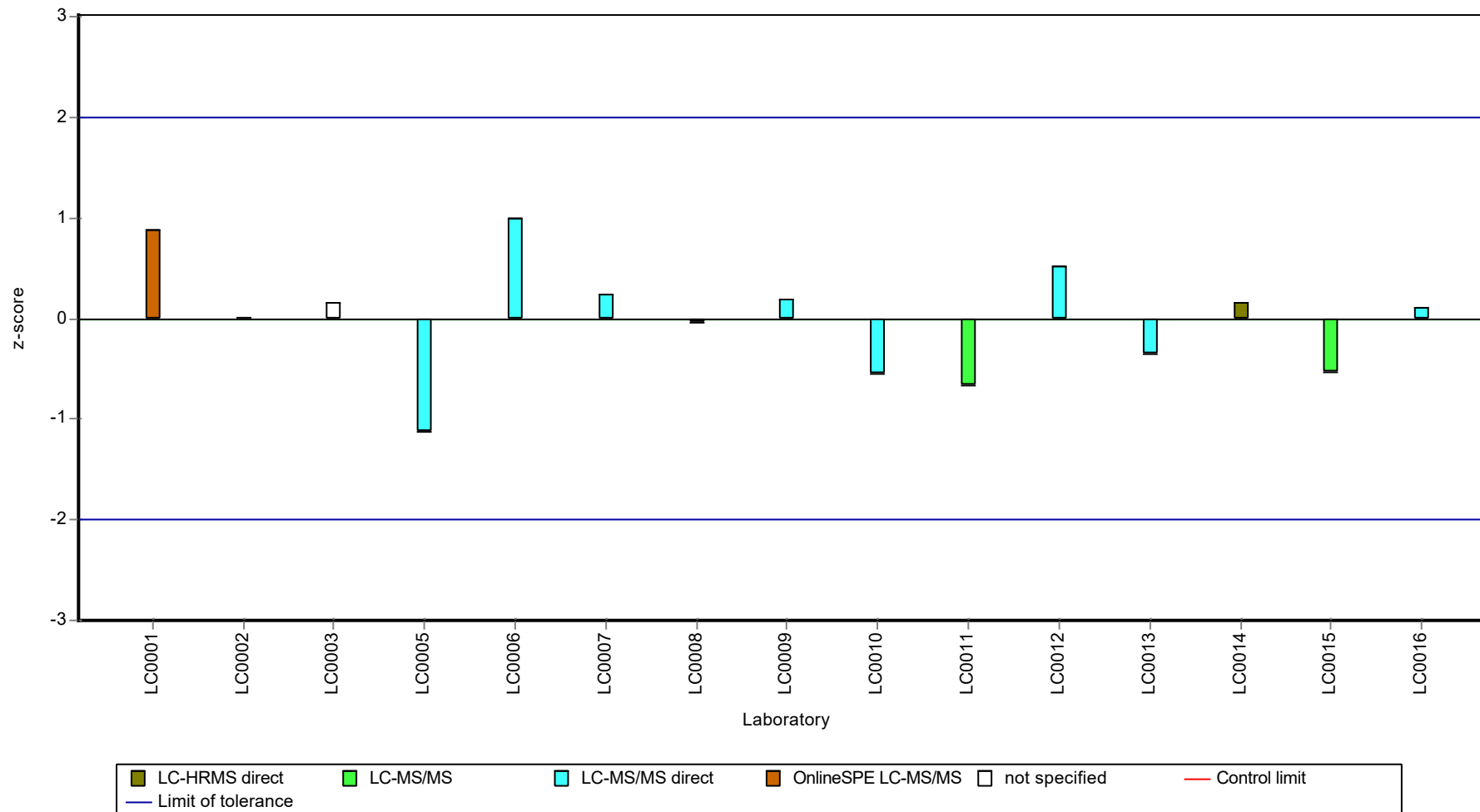
Results



Recovery rate



Z-score



Parameter oriented report

AZ7 B

Carbamazepine

Unit	µg/l
Assigned value ± U (k=2)	0.426 ± 0.0317
Criterion	0.0554 (13 %)
Minimum - Maximum	0.34 - 0.48
Control test value ± U (k=2)	0.496 ± 0.0744

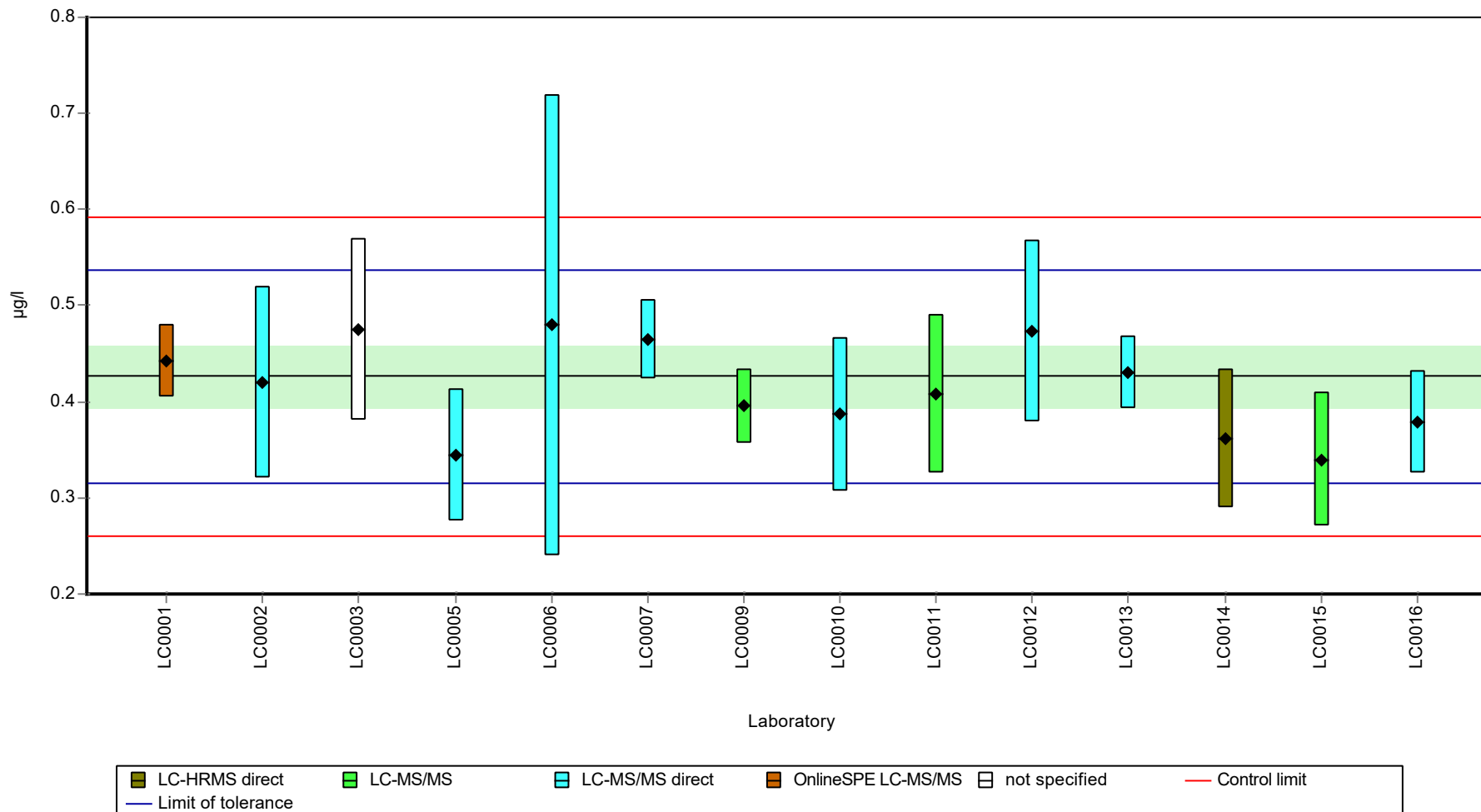
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.443	0.038	104	0.3	
LC0002	0.42	0.1	98.5	-0.11	
LC0003	0.475	0.095	111	0.88	
LC0004	-	-	-	-	
LC0005	0.345	0.069	80.9	-1.47	
LC0006	0.48	0.24	113	0.97	
LC0007	0.465	0.041	109	0.7	
LC0008	-	-	-	-	
LC0009	0.3955	0.039	92.8	-0.56	
LC0010	0.3873	0.08	90.8	-0.7	
LC0011	0.408	0.082	95.7	-0.33	
LC0012	0.473	0.095	111	0.84	
LC0013	0.43	0.038	101	0.07	
LC0014	0.362	0.072	84.9	-1.16	
LC0015	0.34	0.07	79.8	-1.56	
LC0016	0.379	0.053	88.9	-0.85	

Characteristics of parameter

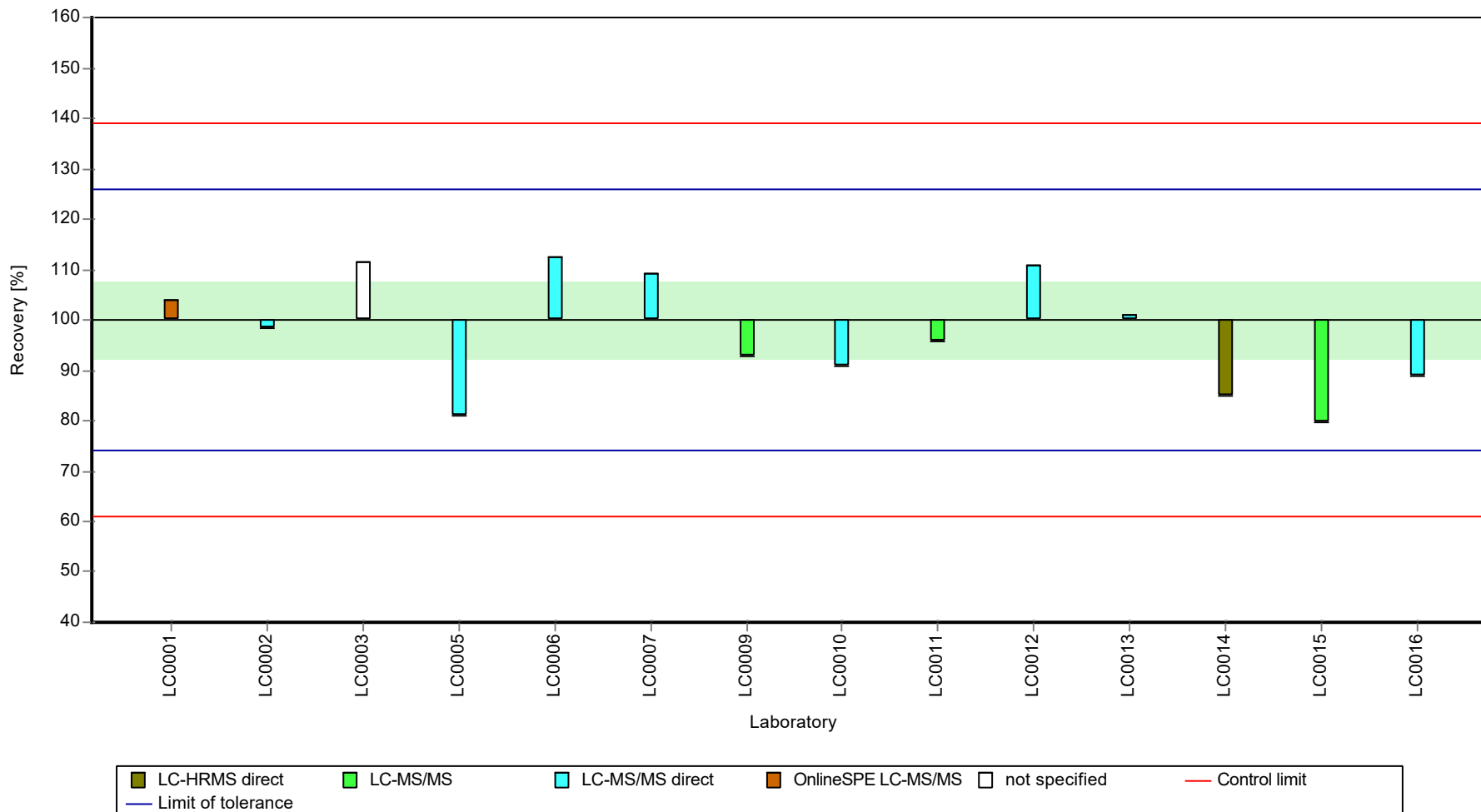
	all results	without outliers	Unit
Mean ± CI (99%)	0.414 ± 0.0389	0.414 ± 0.0389	µg/l
Minimum	0.34	0.34	µg/l
Maximum	0.48	0.48	µg/l
Standard deviation	0.0485	0.0485	µg/l
rel. standard deviation	11.7	11.7	%
n	14	14	-

Graphical presentation of results

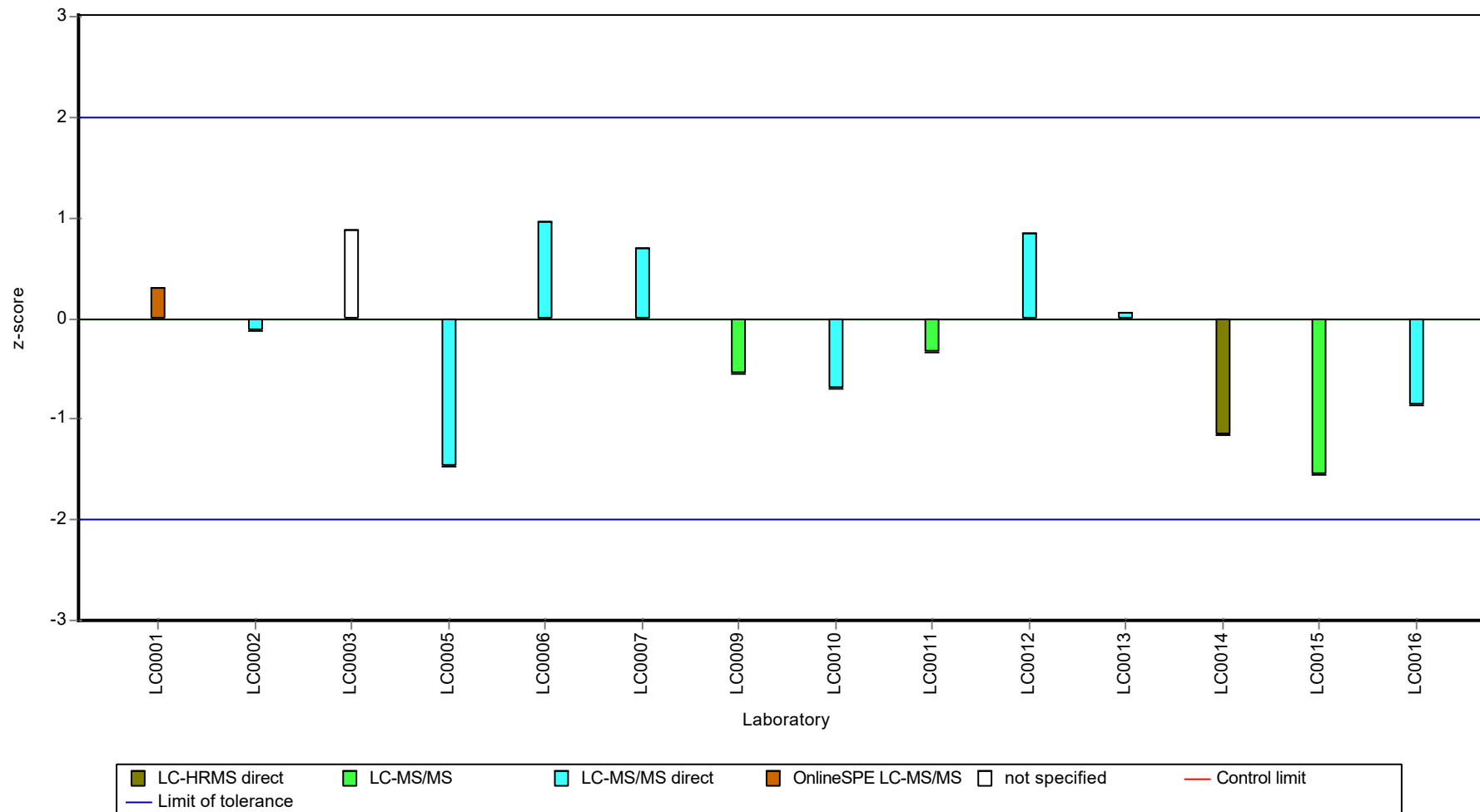
Results



Recovery rate



Z-score



Parameter oriented report

AZ7 A

Cyclamate

Unit	µg/l
Assigned value ± U (k=2)	0.0311 ± 0.00459
Criterion	0.00533 (17 %)
Minimum - Maximum	0.021 - 0.04
Control test value ± U (k=2)	-

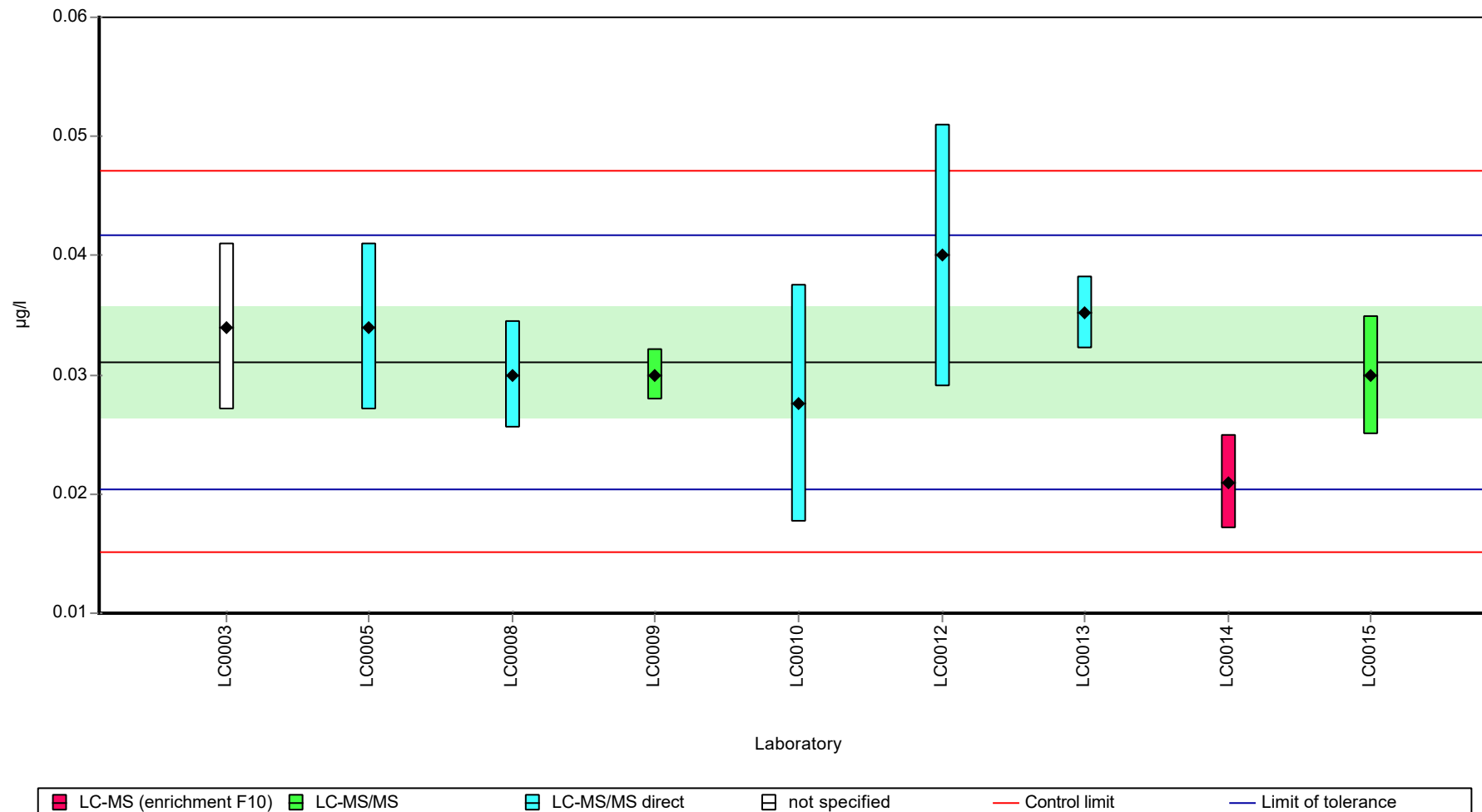
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	0.034	0.007	109	0.54	
LC0004	-	-	-	-	
LC0005	0.034	0.007	109	0.54	
LC0006	-	-	-	-	
LC0007	-	-	-	-	
LC0008	0.03	0.0045	96.4	-0.21	
LC0009	0.03	0.0022	96.4	-0.21	
LC0010	0.0276	0.01	88.7	-0.66	
LC0011	-	-	-	-	
LC0012	0.04	0.011	129	1.67	
LC0013	0.0352	0.0031	113	0.77	
LC0014	0.021	0.004	67.5	-1.9	
LC0015	0.03	0.005	96.4	-0.21	
LC0016	-	-	-	-	

Characteristics of parameter

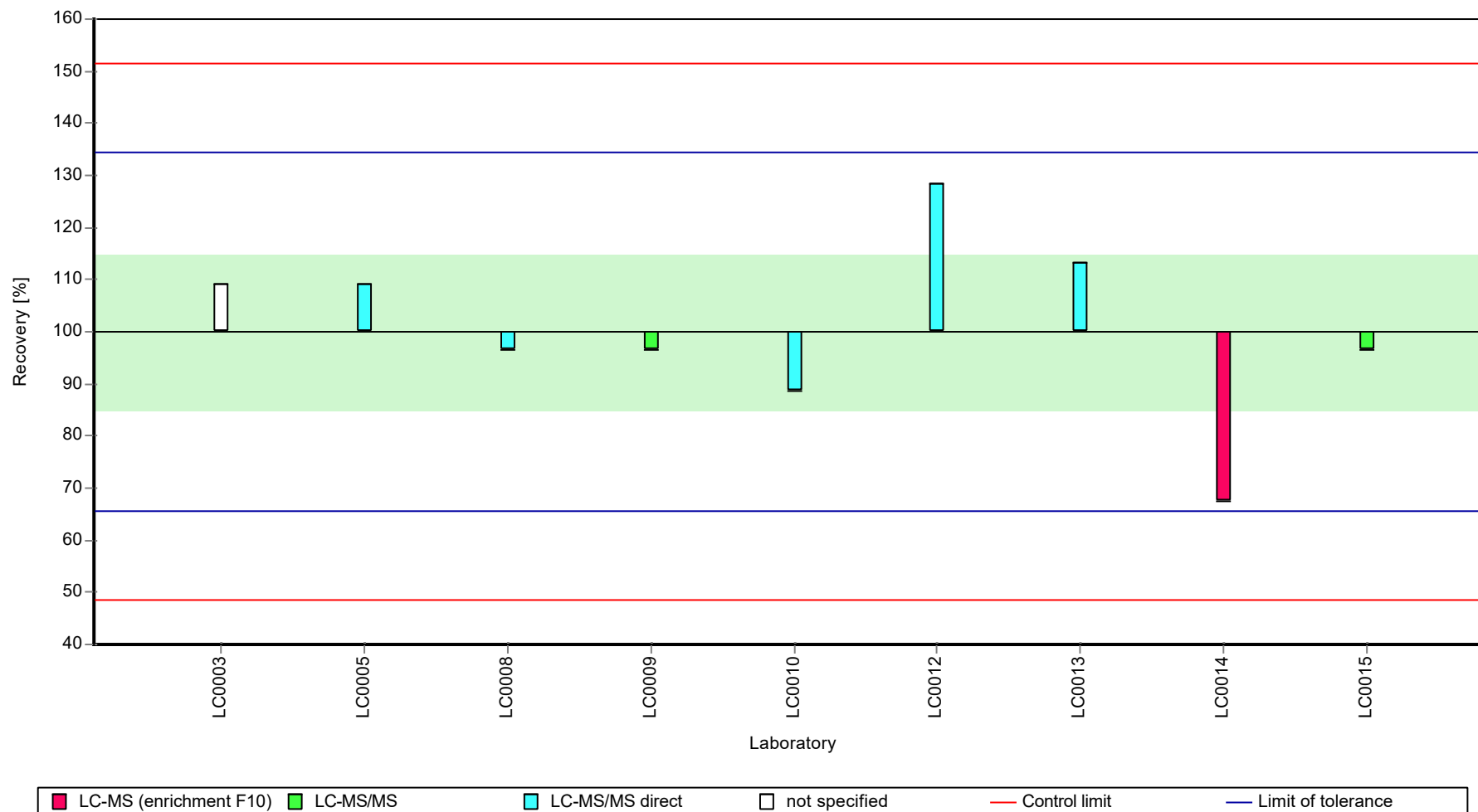
	all results	without outliers	Unit
Mean ± CI (99%)	0.0313 ± 0.00537	0.0313 ± 0.00537	µg/l
Minimum	0.021	0.021	µg/l
Maximum	0.04	0.04	µg/l
Standard deviation	0.00537	0.00537	µg/l
rel. standard deviation	17.1	17.1	%
n	9	9	-

Graphical presentation of results

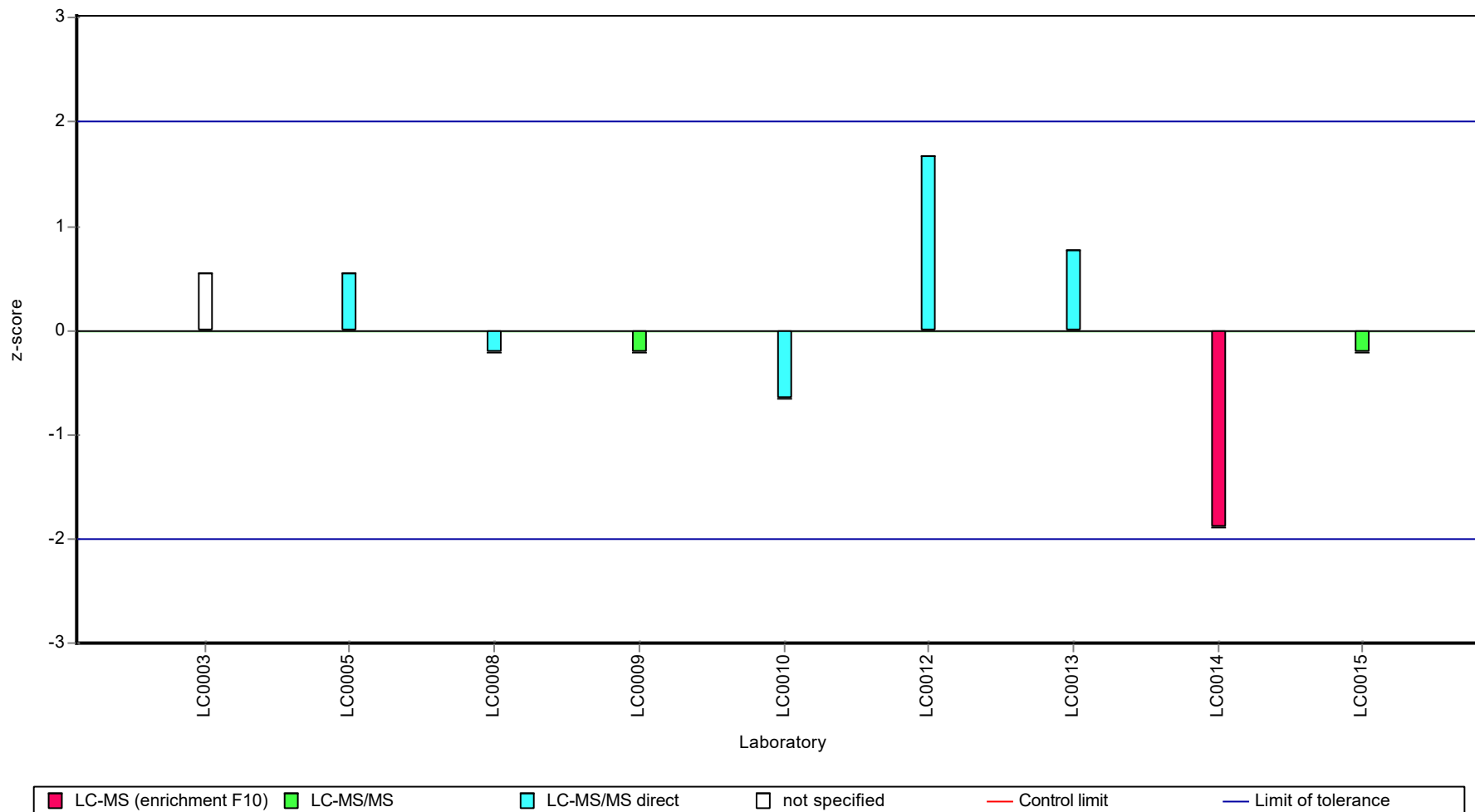
Results



Recovery rate



Z-score



Parameter oriented report

AZ7 B

Cyclamate

Unit	µg/l
Assigned value ± U (k=2)	0.276 ± 0.0279
Criterion	0.0369 (13 %)
Minimum - Maximum	0.218 - 0.317
Control test value ± U (k=2)	-

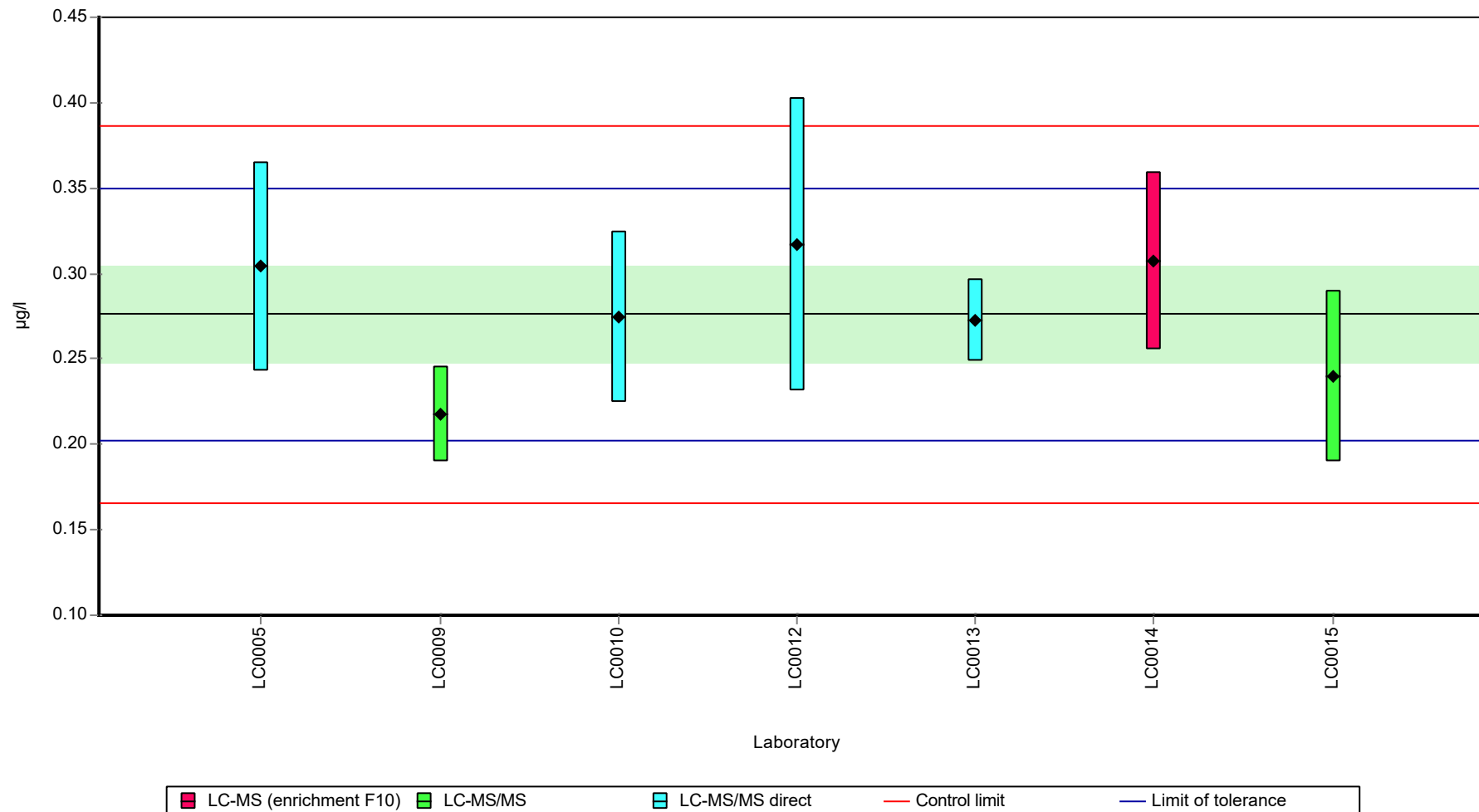
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	< 0.02 (LOQ)	-	-	-	FN
LC0004	-	-	-	-	
LC0005	0.304	0.061	110	0.76	
LC0006	-	-	-	-	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	0.2175	0.028	78.8	-1.59	
LC0010	0.2744	0.05	99.4	-0.05	
LC0011	-	-	-	-	
LC0012	0.317	0.086	115	1.11	
LC0013	0.2728	0.024	98.8	-0.09	
LC0014	0.307	0.052	111	0.84	
LC0015	0.24	0.05	86.9	-0.98	
LC0016	-	-	-	-	

Characteristics of parameter

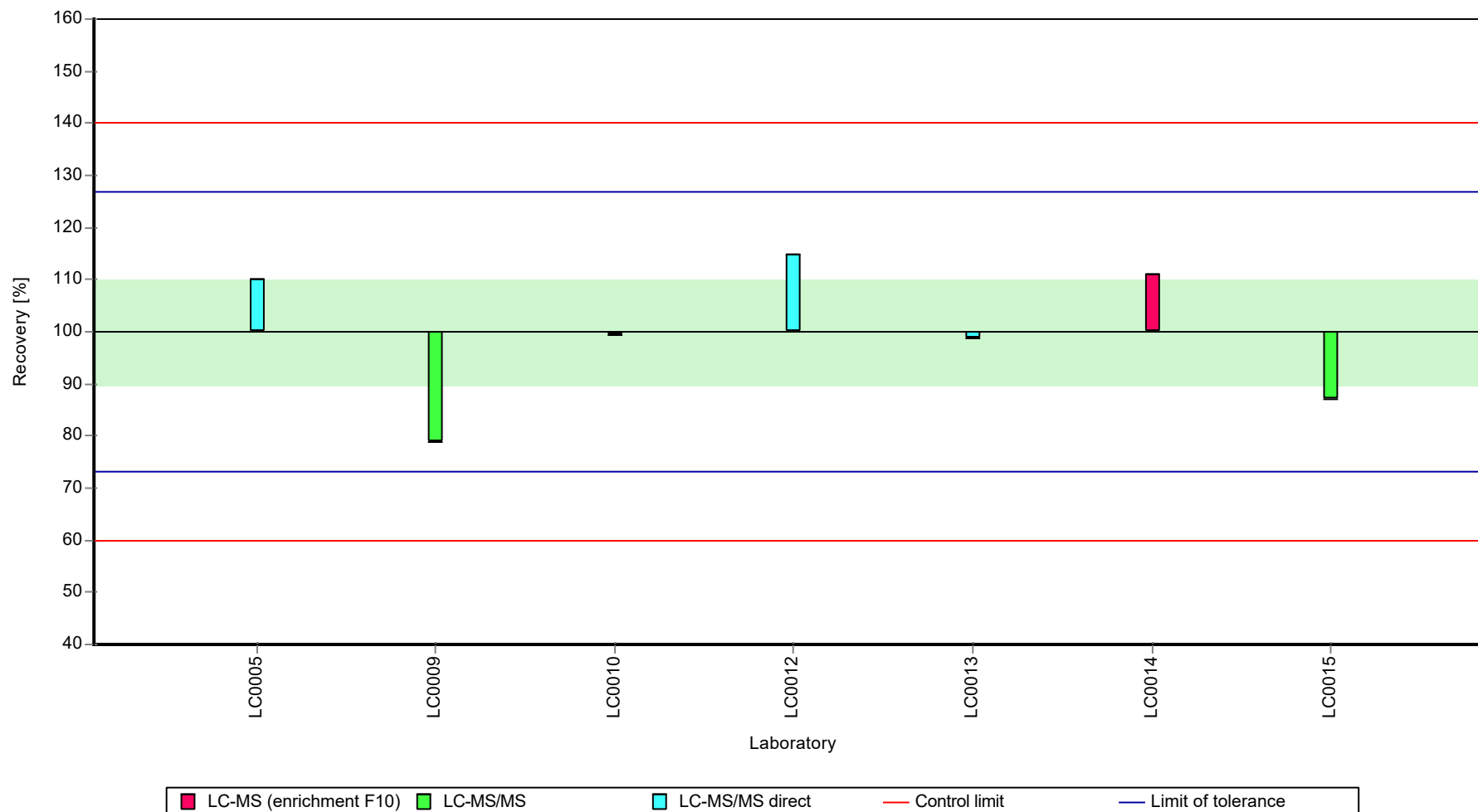
	all results	without outliers	Unit
Mean ± CI (99%)	0.276 ± 0.0418	0.276 ± 0.0418	µg/l
Minimum	0.218	0.218	µg/l
Maximum	0.317	0.317	µg/l
Standard deviation	0.0369	0.0369	µg/l
rel. standard deviation	13.4	13.4	%
n	7	7	-

Graphical presentation of results

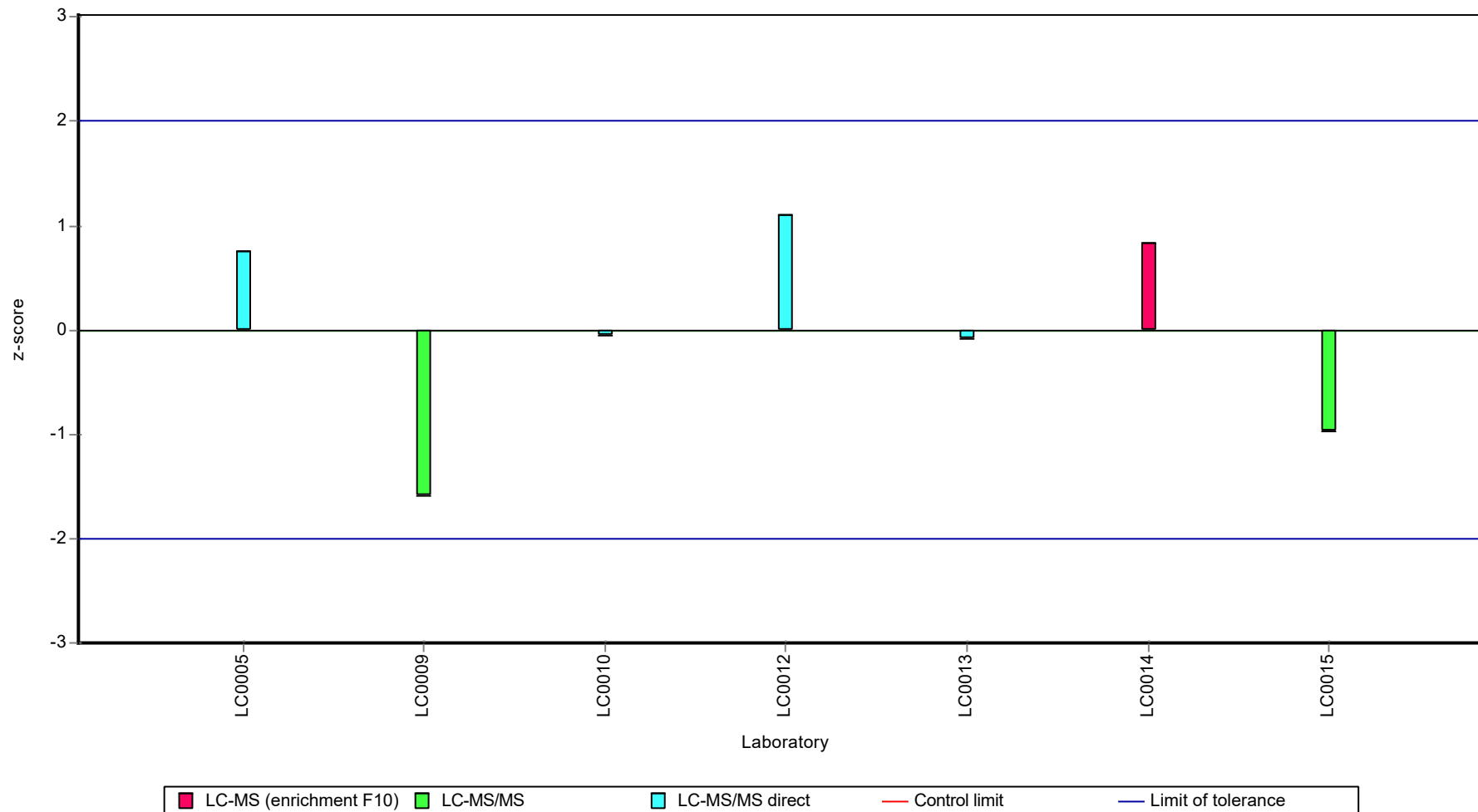
Results



Recovery rate



Z-score



Parameter oriented report

AZ7 A

Diazepam

Unit	µg/l
Assigned value ± U (k=2)	-
Criterion	-
Minimum - Maximum	-
Control test value ± U (k=2)	<0,013 (LOD)

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	-	-	-	-	
LC0004	< 0.03 (LOQ)	-	-	-	
LC0005	-	-	-	-	
LC0006	< 0.02 (LOQ)	-	-	-	
LC0007	-	-	-	-	
LC0008	< 0.025 (LOQ)	-	-	-	
LC0009	-	-	-	-	
LC0010	< 0.02 (LOQ)	-	-	-	
LC0011	< 0.01 (LOQ)	-	-	-	
LC0012	< 0.01 (LOQ)	-	-	-	
LC0013	< 0.01 (LOQ)	-	-	-	
LC0014	< 0.01 (LOQ)	-	-	-	
LC0015	-	-	-	-	
LC0016	-	-	-	-	

Characteristics of parameter

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

Parameter oriented report

AZ7 B

Diazepam

Unit	µg/l
Assigned value ± U (k=2)	0.382 ± 0.0467
Criterion	0.0618 (16 %)
Minimum - Maximum	0.284 - 0.46
Control test value ± U (k=2)	0.427 ± 0.064

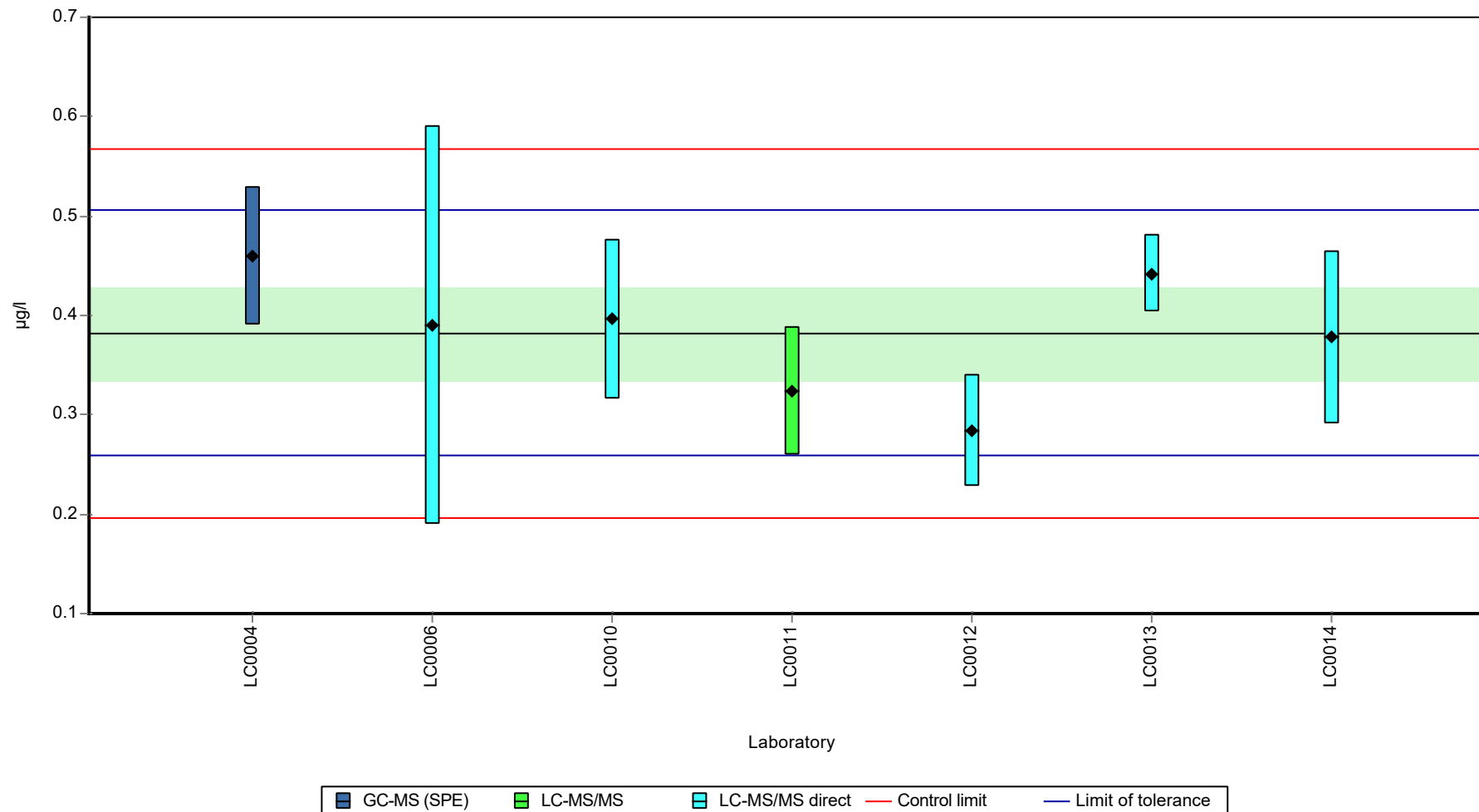
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	-	-	-	-	
LC0004	0.46	0.07	120	1.26	
LC0005	-	-	-	-	
LC0006	0.39	0.2	102	0.13	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	-	-	-	-	
LC0010	0.3963	0.08	104	0.23	
LC0011	0.324	0.065	84.8	-0.94	
LC0012	0.284	0.057	74.3	-1.59	
LC0013	0.442	0.039	116	0.97	
LC0014	0.378	0.087	98.9	-0.07	
LC0015	-	-	-	-	
LC0016	-	-	-	-	

Characteristics of parameter

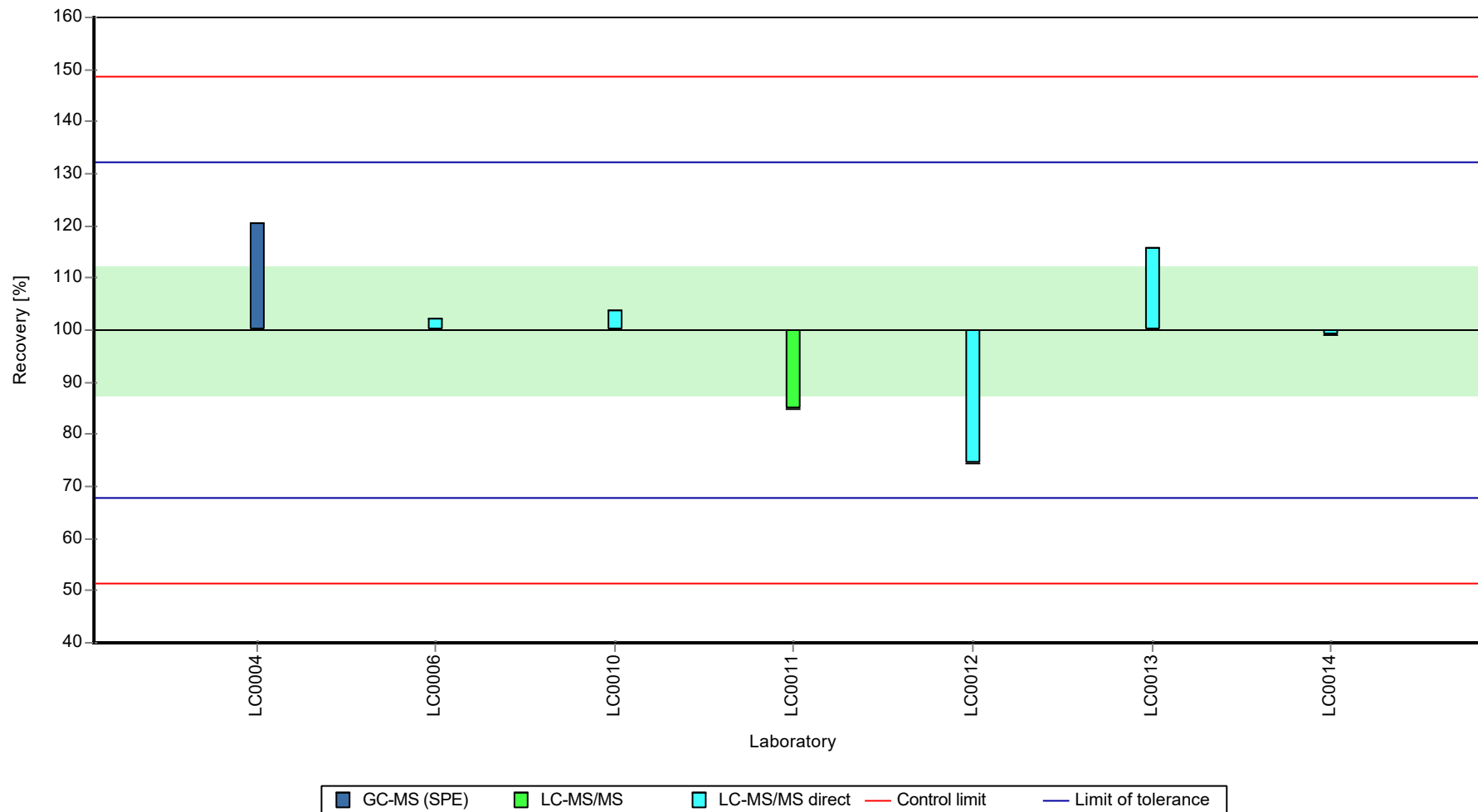
	all results	without outliers	Unit
Mean ± CI (99%)	0.382 ± 0.0701	0.382 ± 0.0701	µg/l
Minimum	0.284	0.284	µg/l
Maximum	0.46	0.46	µg/l
Standard deviation	0.0618	0.0618	µg/l
rel. standard deviation	16.2	16.2	%
n	7	7	-

Graphical presentation of results

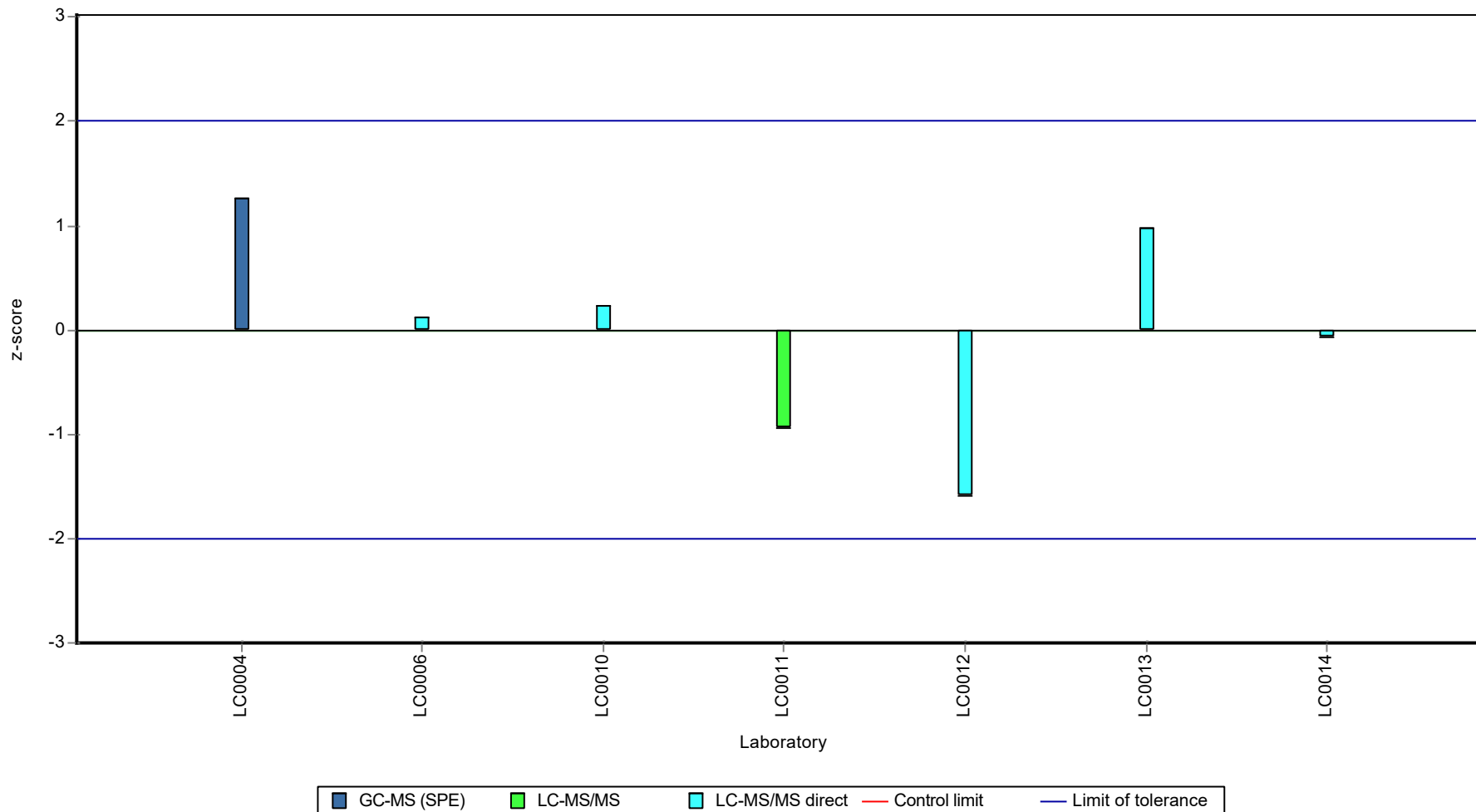
Results



Recovery rate



Z-score



Parameter oriented report

AZ7 A

Diclofenac

Unit	µg/l
Assigned value ± U (k=2)	0.229 ± 0.0172
Criterion	0.0321 (14 %)
Minimum - Maximum	0.194 - 0.302
Control test value ± U (k=2)	0.277 ± 0.0416

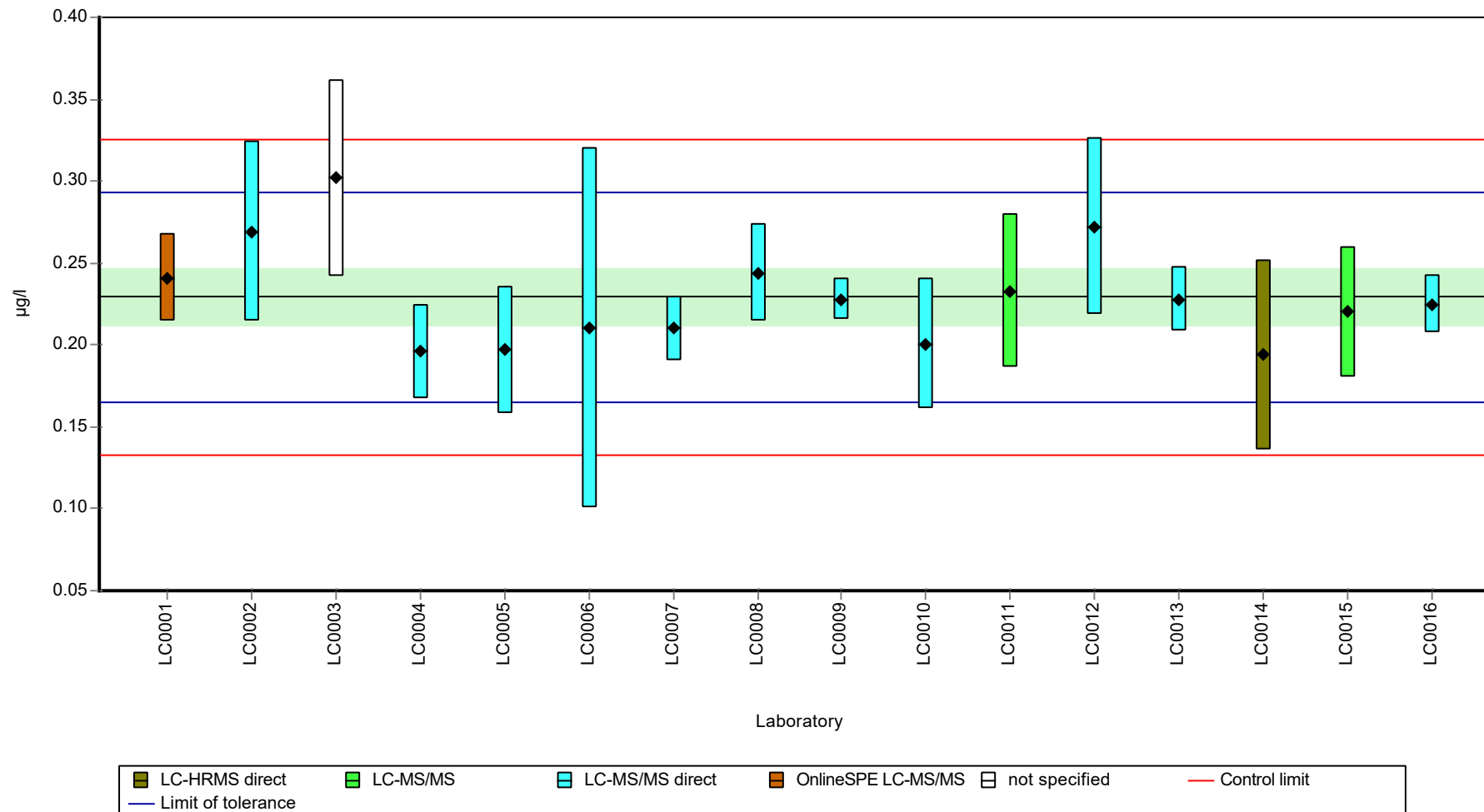
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.241	0.027	105	0.37	
LC0002	0.269	0.055	117	1.24	
LC0003	0.302	0.06	132	2.27	
LC0004	0.196	0.029	85.5	-1.03	
LC0005	0.197	0.039	86	-1	
LC0006	0.21	0.11	91.7	-0.6	
LC0007	0.21	0.02	91.7	-0.6	
LC0008	0.244	0.03	106	0.46	
LC0009	0.228	0.013	99.5	-0.03	
LC0010	0.2005	0.04	87.5	-0.89	
LC0011	0.233	0.047	102	0.12	
LC0012	0.272	0.054	119	1.34	
LC0013	0.228	0.02	99.5	-0.03	
LC0014	0.194	0.058	84.7	-1.09	
LC0015	0.22	0.04	96	-0.28	
LC0016	0.225	0.018	98.2	-0.13	

Characteristics of parameter

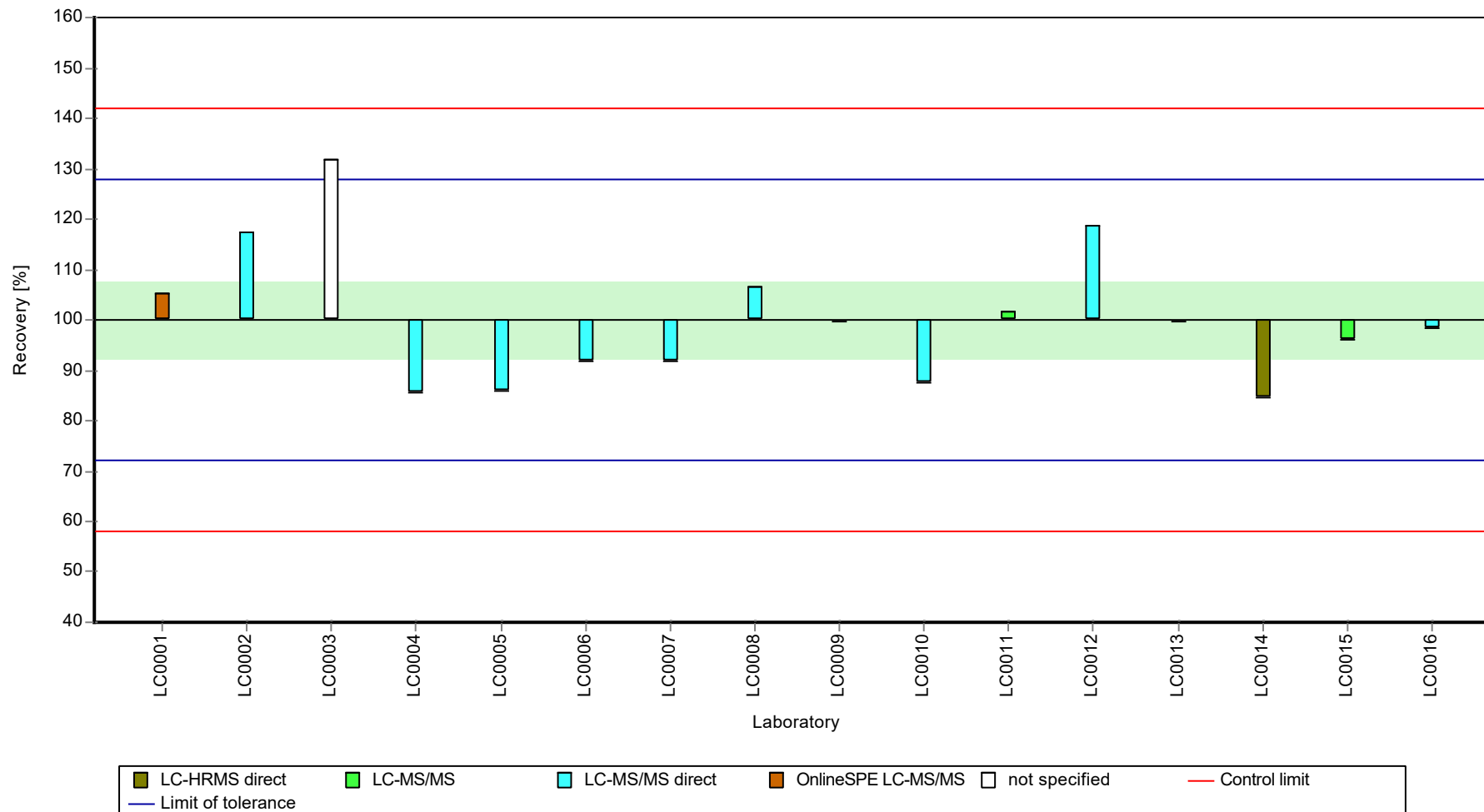
	all results	without outliers	Unit
Mean ± CI (99%)	0.229 ± 0.023	0.229 ± 0.023	µg/l
Minimum	0.194	0.194	µg/l
Maximum	0.302	0.302	µg/l
Standard deviation	0.0307	0.0307	µg/l
rel. standard deviation	13.4	13.4	%
n	16	16	-

Graphical presentation of results

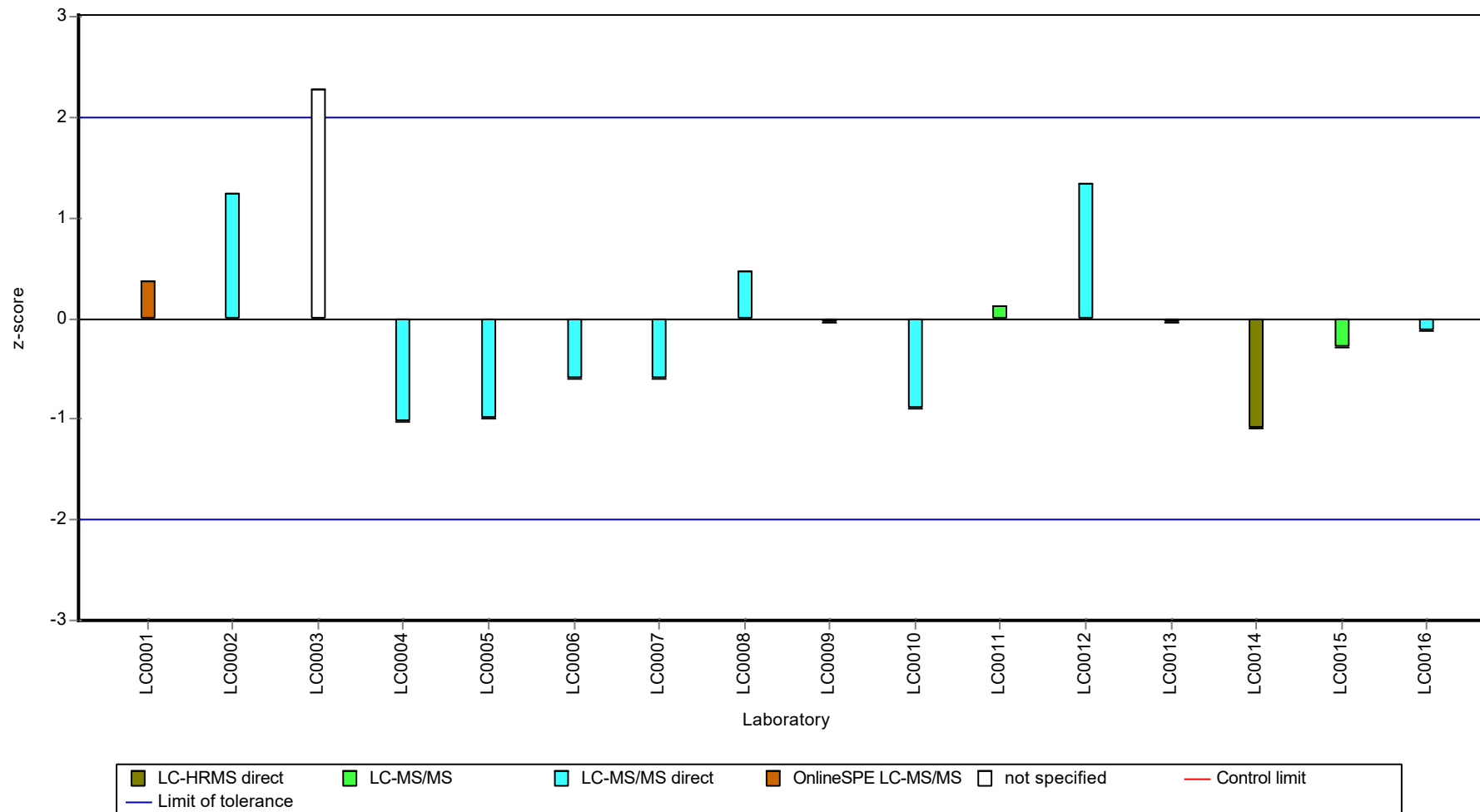
Results



Recovery rate



Z-score



Parameter oriented report

AZ7 B

Diclofenac

Unit	µg/l
Assigned value ± U (k=2)	2.84 ± 0.103
Criterion	0.398 (14 %)
Minimum - Maximum	2.57 - 3.06
Control test value ± U (k=2)	-

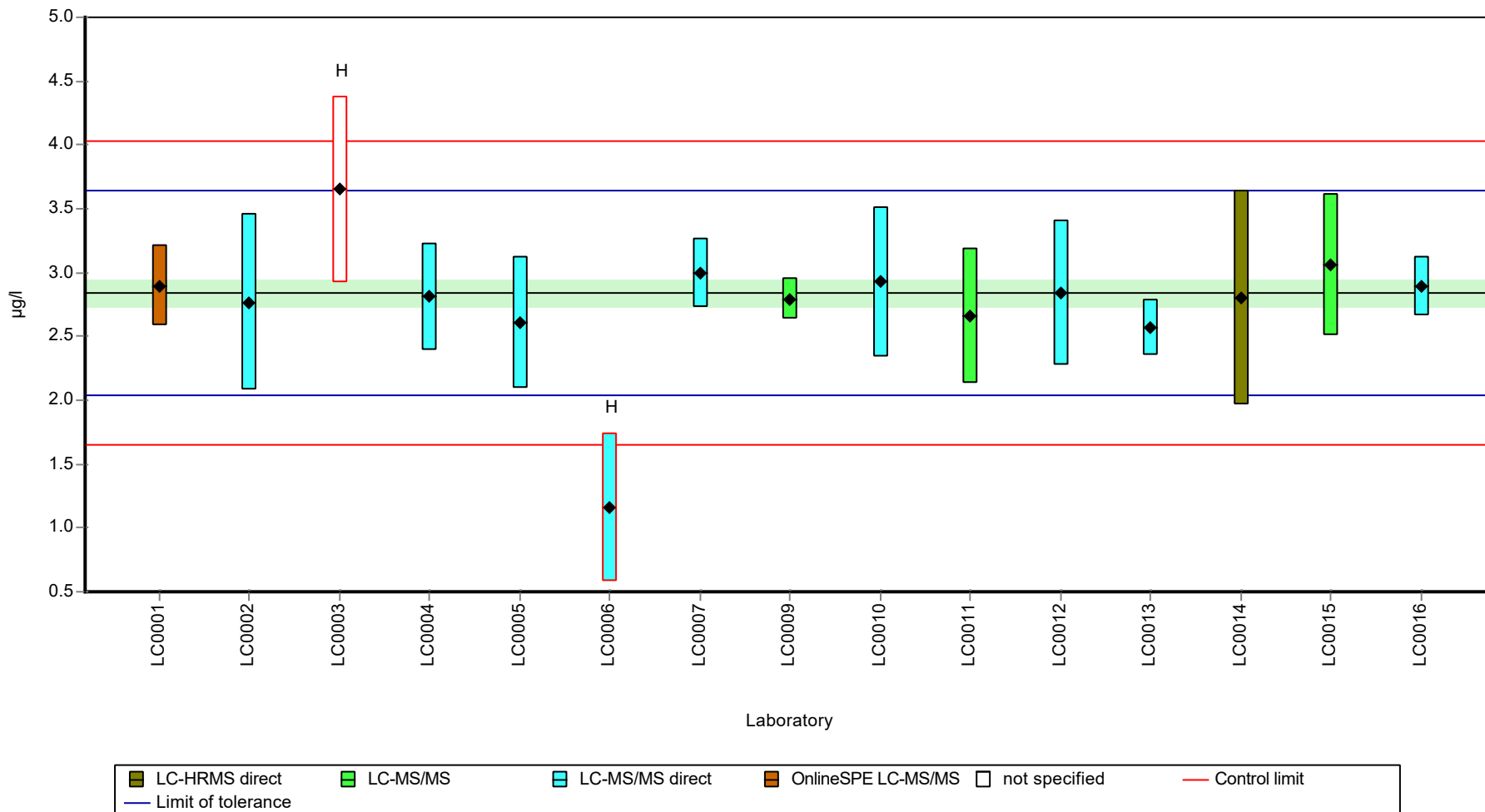
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	2.896	0.319	102	0.14	
LC0002	2.768	0.69	97.4	-0.18	
LC0003	3.65	0.73	128	2.04	H
LC0004	2.81	0.422	98.9	-0.08	
LC0005	2.61	0.52	91.9	-0.58	
LC0006	1.16	0.58	40.8	-4.23	H
LC0007	3	0.27	106	0.4	
LC0008	-	-	-	-	
LC0009	2.795	0.16	98.4	-0.12	
LC0010	2.925	0.59	103	0.21	
LC0011	2.66	0.531	93.6	-0.45	
LC0012	2.844	0.569	100	0.01	
LC0013	2.57	0.22	90.5	-0.68	
LC0014	2.8	0.84	98.6	-0.1	
LC0015	3.06	0.55	108	0.55	
LC0016	2.89	0.23	102	0.12	

Characteristics of parameter

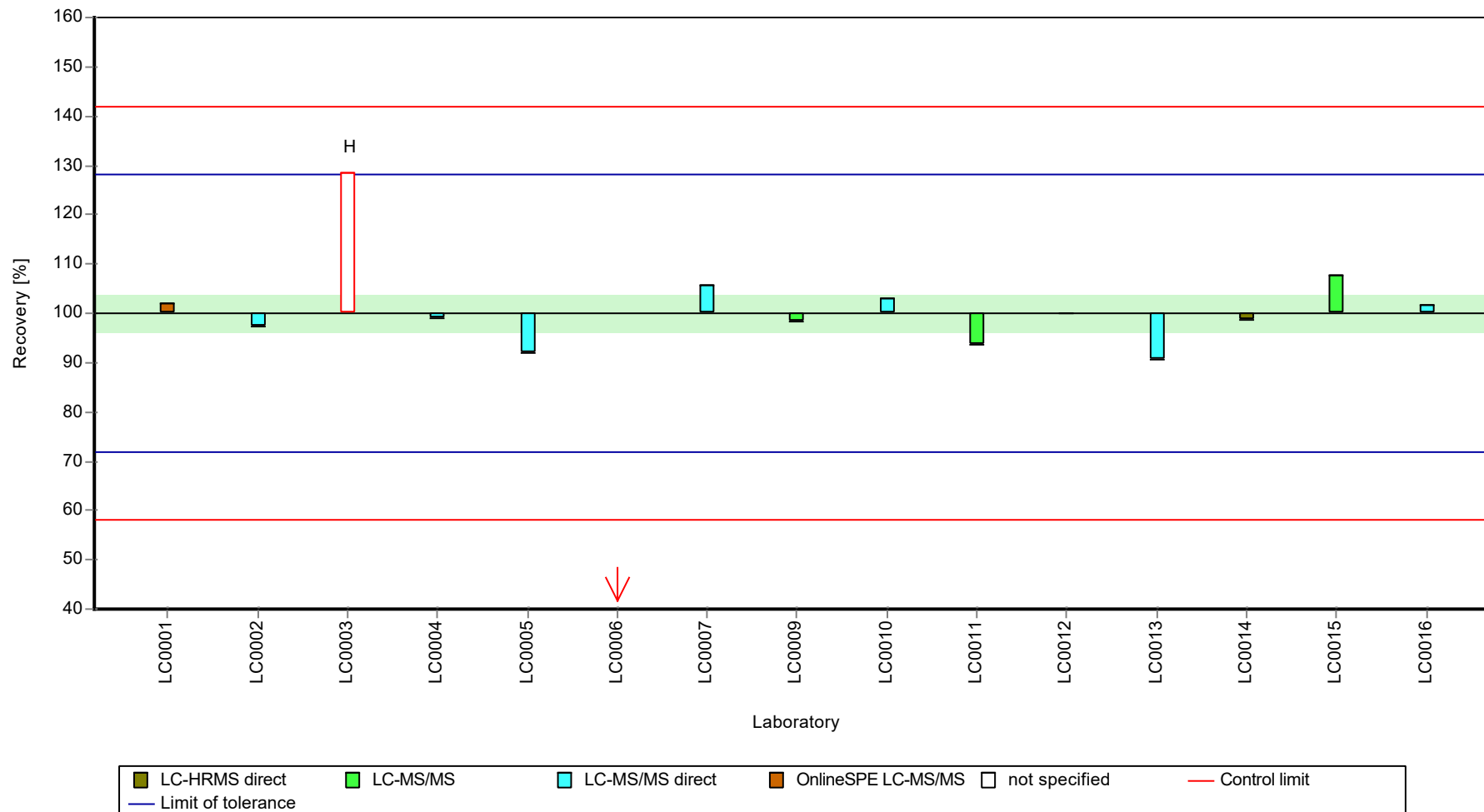
	all results	without outliers	Unit
Mean ± CI (99%)	2.76 ± 0.395	2.82 ± 0.12	µg/l
Minimum	1.16	2.57	µg/l
Maximum	3.65	3.06	µg/l
Standard deviation	0.51	0.144	µg/l
rel. standard deviation	18.5	5.1	%
n	15	13	-

Graphical presentation of results

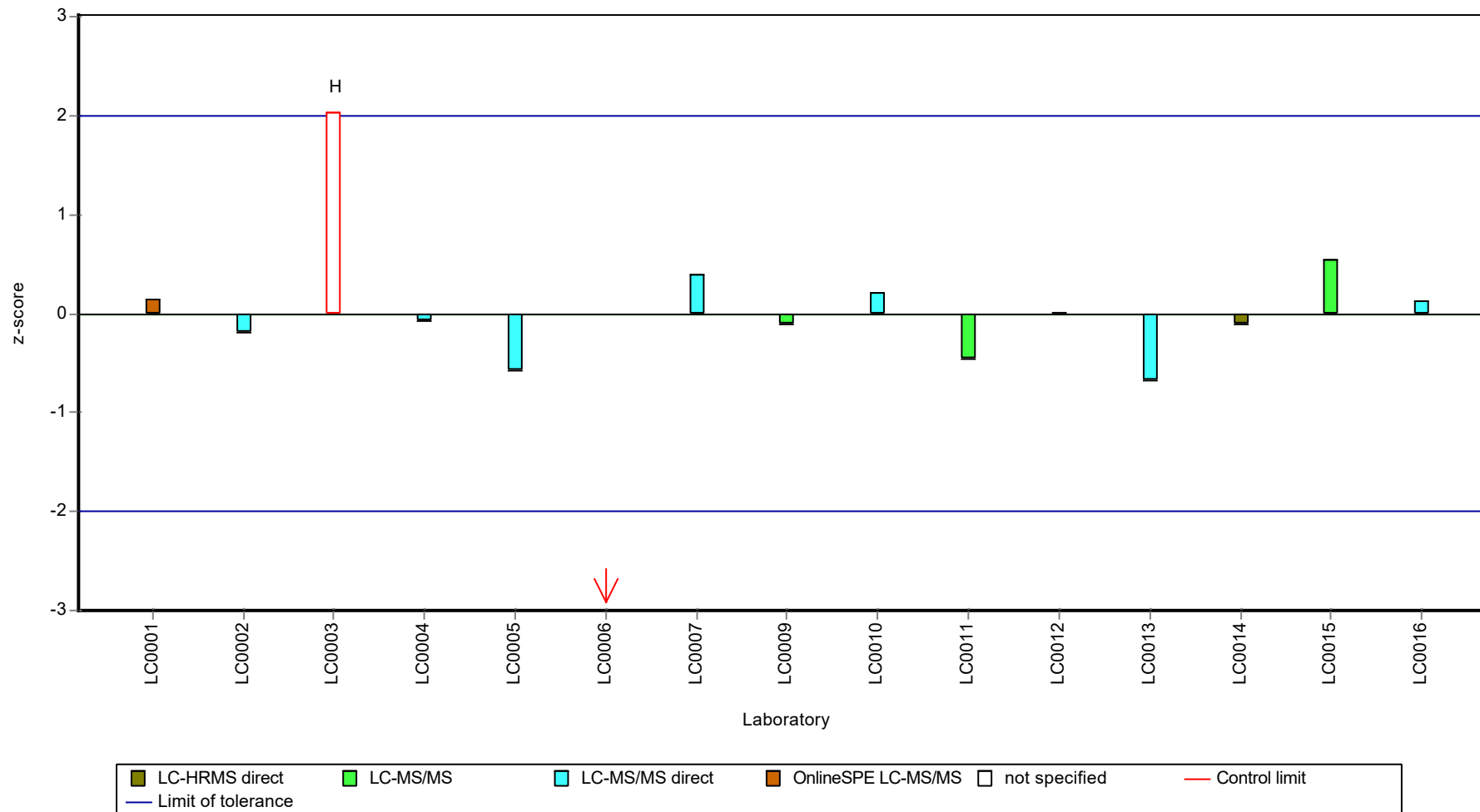
Results



Recovery rate



Z-score



Parameter oriented report

AZ7 A

Ibuprofen

Unit	µg/l
Assigned value ± U (k=2)	0.272 ± 0.0143
Criterion	0.0226 (8.3 %)
Minimum - Maximum	0.242 - 0.309
Control test value ± U (k=2)	0.302 ± 0.0454

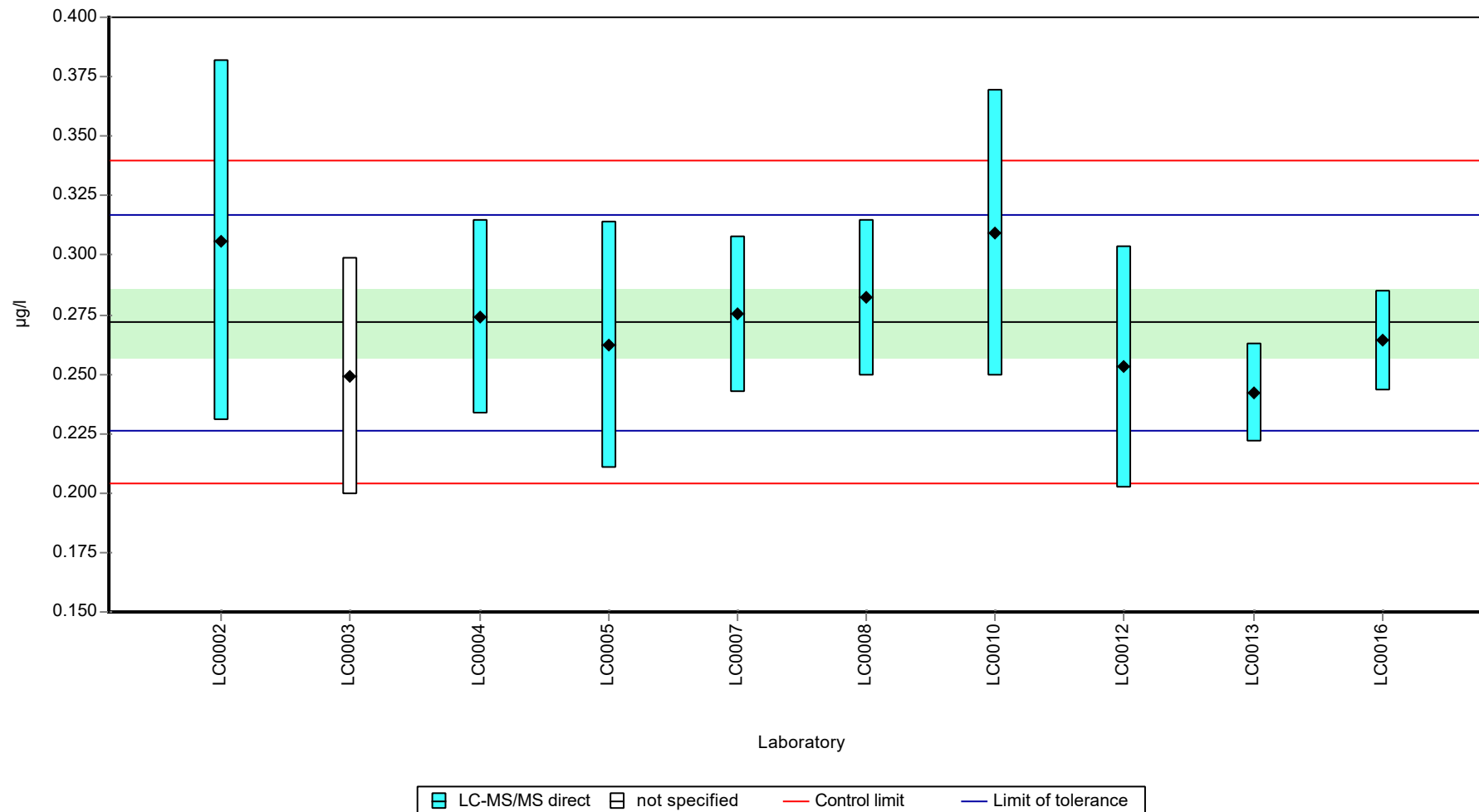
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	0.306	0.076	113	1.52	
LC0003	0.249	0.05	91.7	-1	
LC0004	0.274	0.041	101	0.1	
LC0005	0.262	0.052	96.5	-0.42	
LC0006	< 10 (LOQ)	-	-	-	
LC0007	0.275	0.033	101	0.15	
LC0008	0.282	0.033	104	0.46	
LC0009	-	-	-	-	
LC0010	0.3093	0.06	114	1.66	
LC0011	-	-	-	-	
LC0012	0.253	0.051	93.1	-0.82	
LC0013	0.242	0.021	89.1	-1.31	
LC0014	-	-	-	-	
LC0015	-	-	-	-	
LC0016	0.264	0.021	97.2	-0.34	

Characteristics of parameter

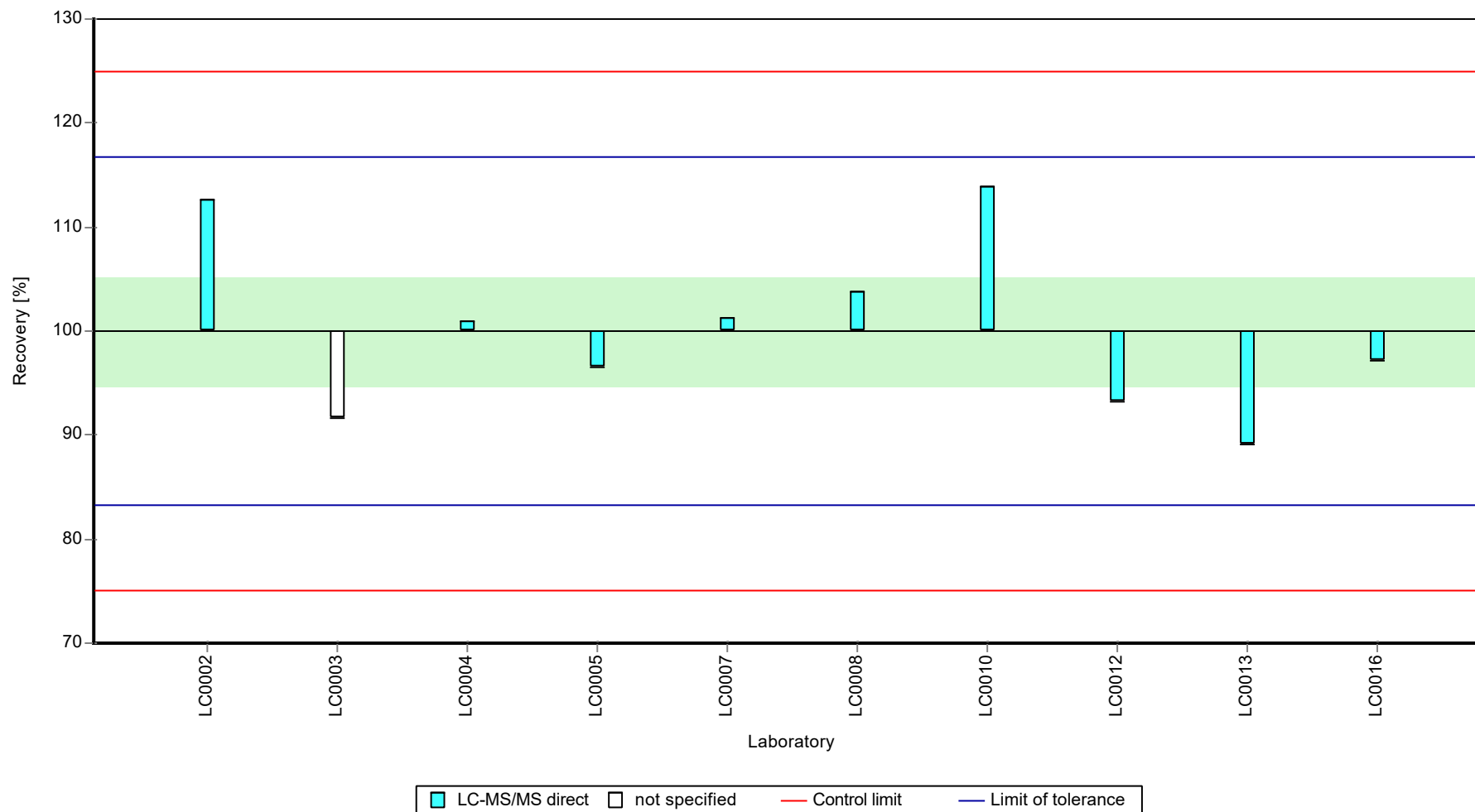
	all results	without outliers	Unit
Mean ± CI (99%)	0.272 ± 0.0215	0.272 ± 0.0215	µg/l
Minimum	0.242	0.242	µg/l
Maximum	0.309	0.309	µg/l
Standard deviation	0.0226	0.0226	µg/l
rel. standard deviation	8.33	8.33	%
n	10	10	-

Graphical presentation of results

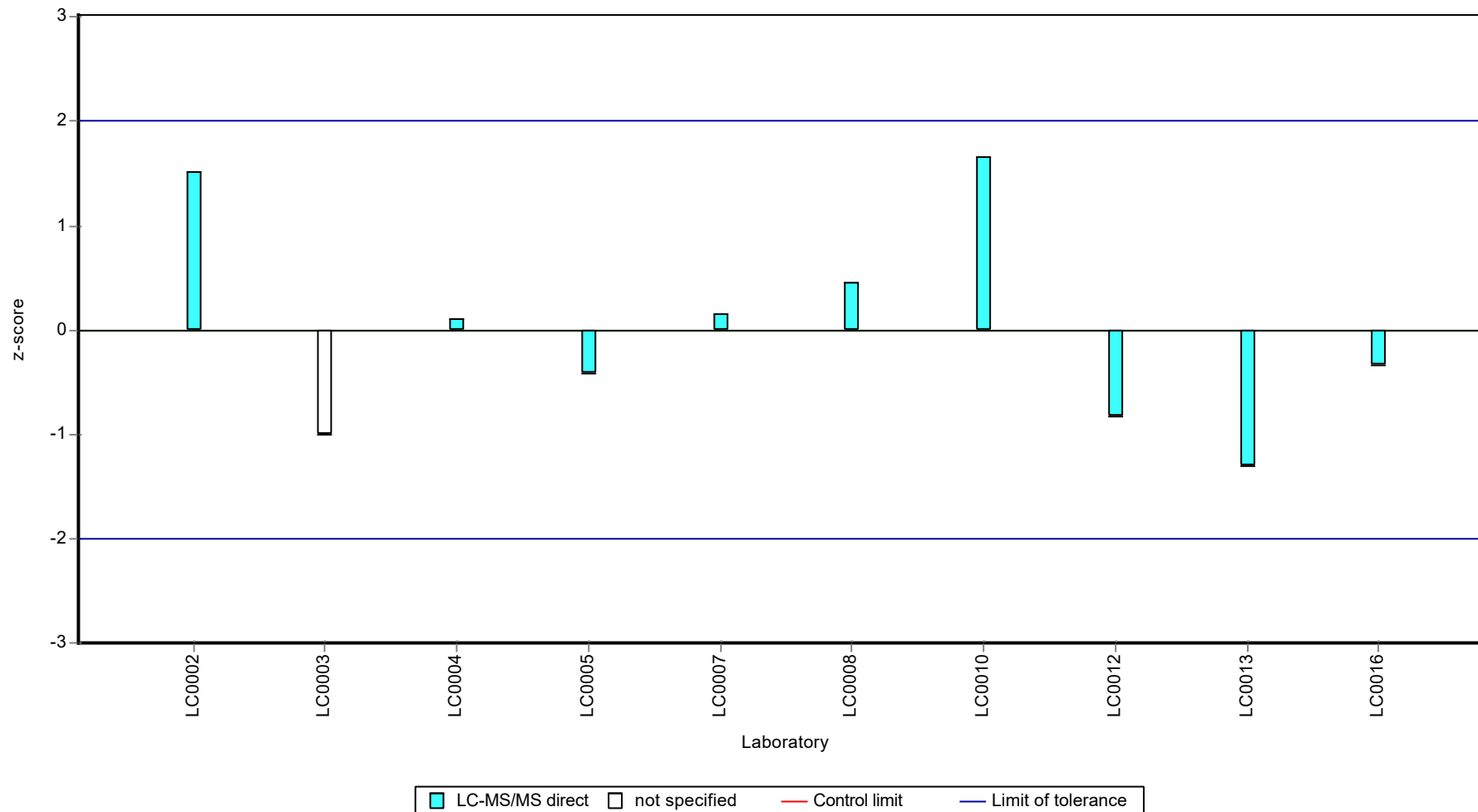
Results



Recovery rate



Z-score



Parameter oriented report

AZ7 B

Ibuprofen

Unit	µg/l
Assigned value ± U (k=2)	0.0835 ± 0.00942
Criterion	0.0117 (14 %)
Minimum - Maximum	0.074 - 0.105
Control test value ± U (k=2)	0.101 ± 0.0151

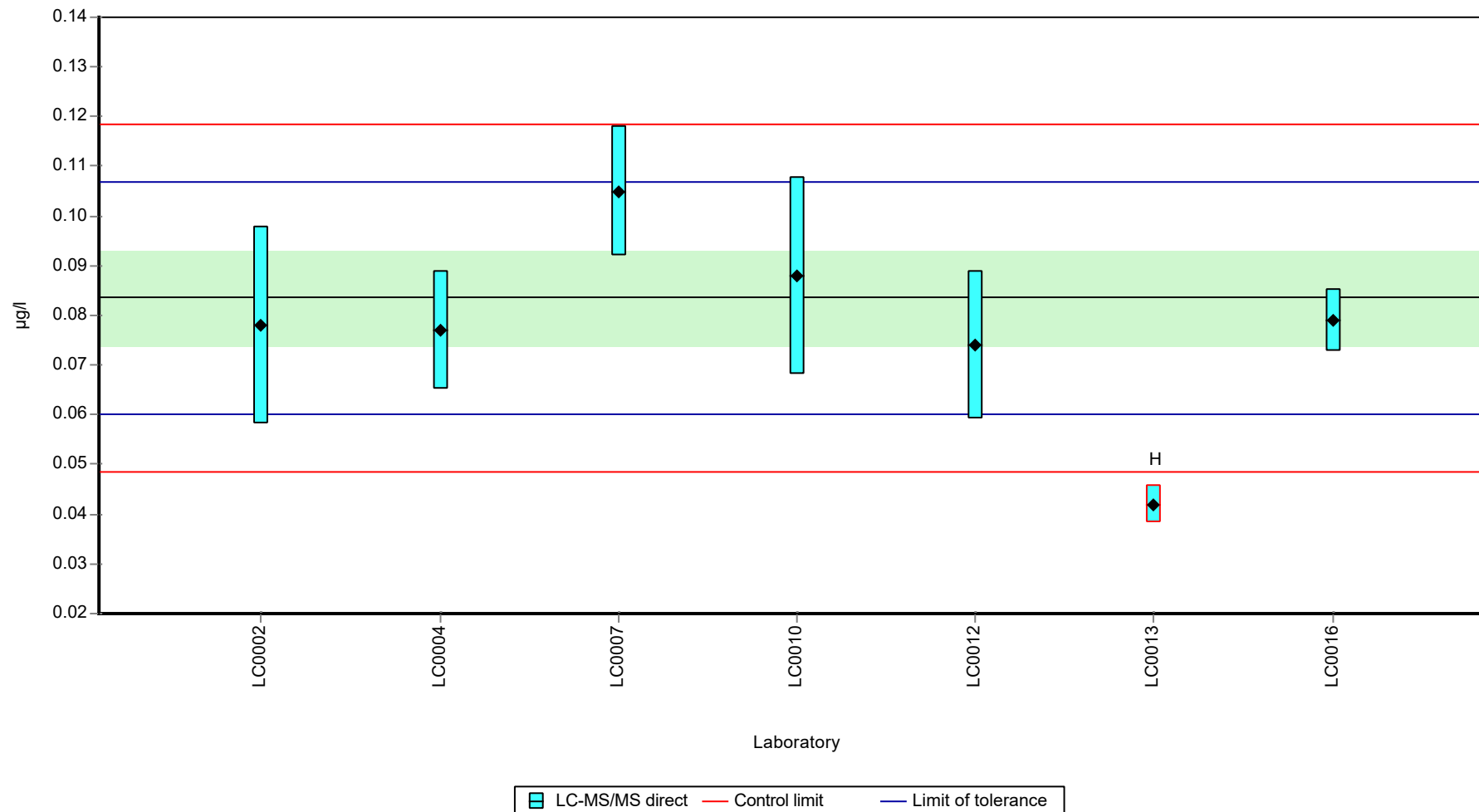
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	0.078	0.02	93.4	-0.47	
LC0003	< 0.05 (LOQ)	-	-	-	
LC0004	0.077	0.012	92.2	-0.56	
LC0005	< 0.02 (LOQ)	-	-	-	
LC0006	< 10 (LOQ)	-	-	-	
LC0007	0.105	0.013	126	1.84	
LC0008	-	-	-	-	
LC0009	-	-	-	-	
LC0010	0.088	0.02	105	0.39	
LC0011	-	-	-	-	
LC0012	0.074	0.015	88.6	-0.81	
LC0013	0.042	0.0037	50.3	-3.55	H
LC0014	-	-	-	-	
LC0015	-	-	-	-	
LC0016	0.079	0.0063	94.6	-0.39	

Characteristics of parameter

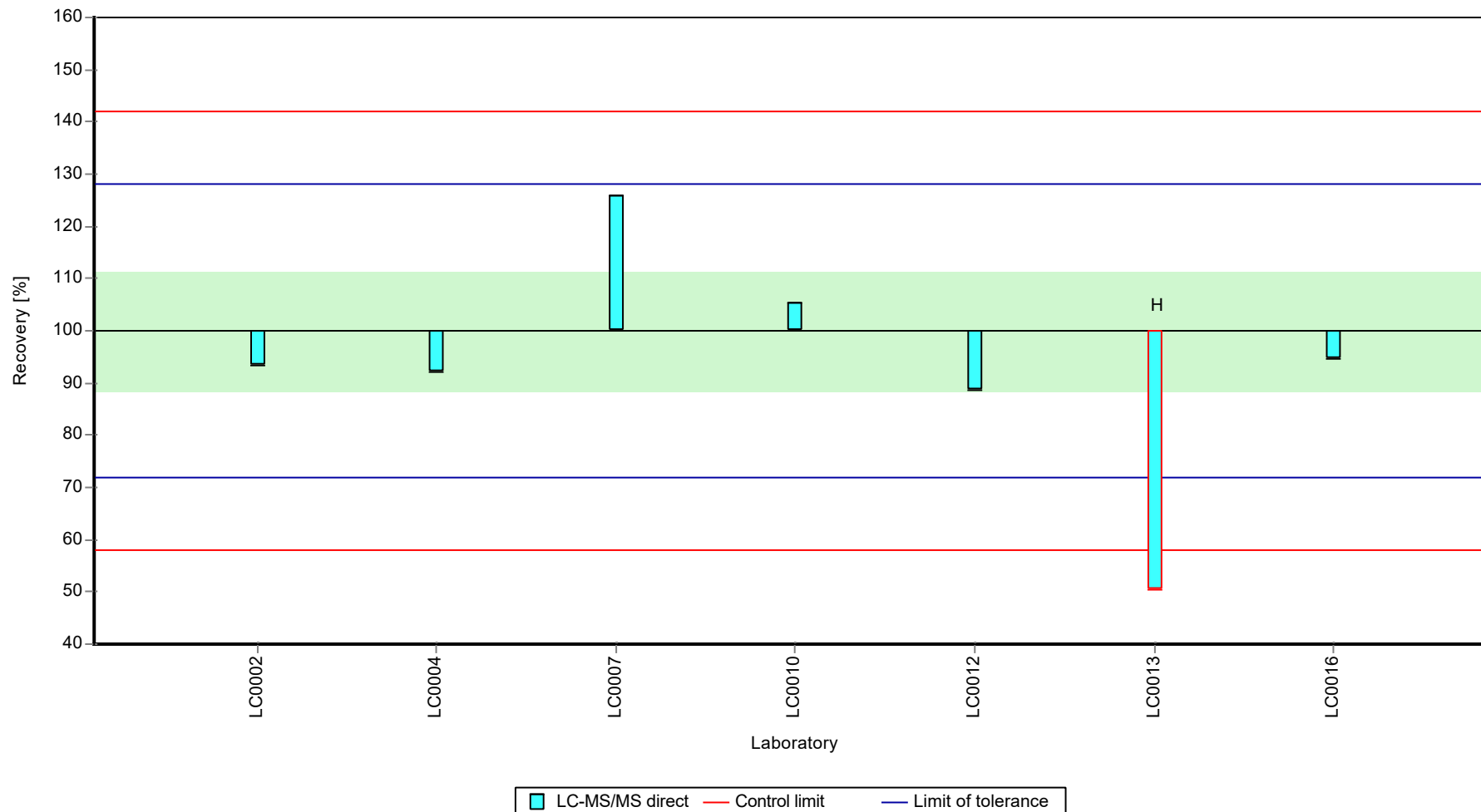
	all results	without outliers	Unit
Mean ± CI (99%)	0.0776 ± 0.0214	0.0835 ± 0.0141	µg/l
Minimum	0.042	0.074	µg/l
Maximum	0.105	0.105	µg/l
Standard deviation	0.0189	0.0115	µg/l
rel. standard deviation	24.4	13.8	%
n	7	6	-

Graphical presentation of results

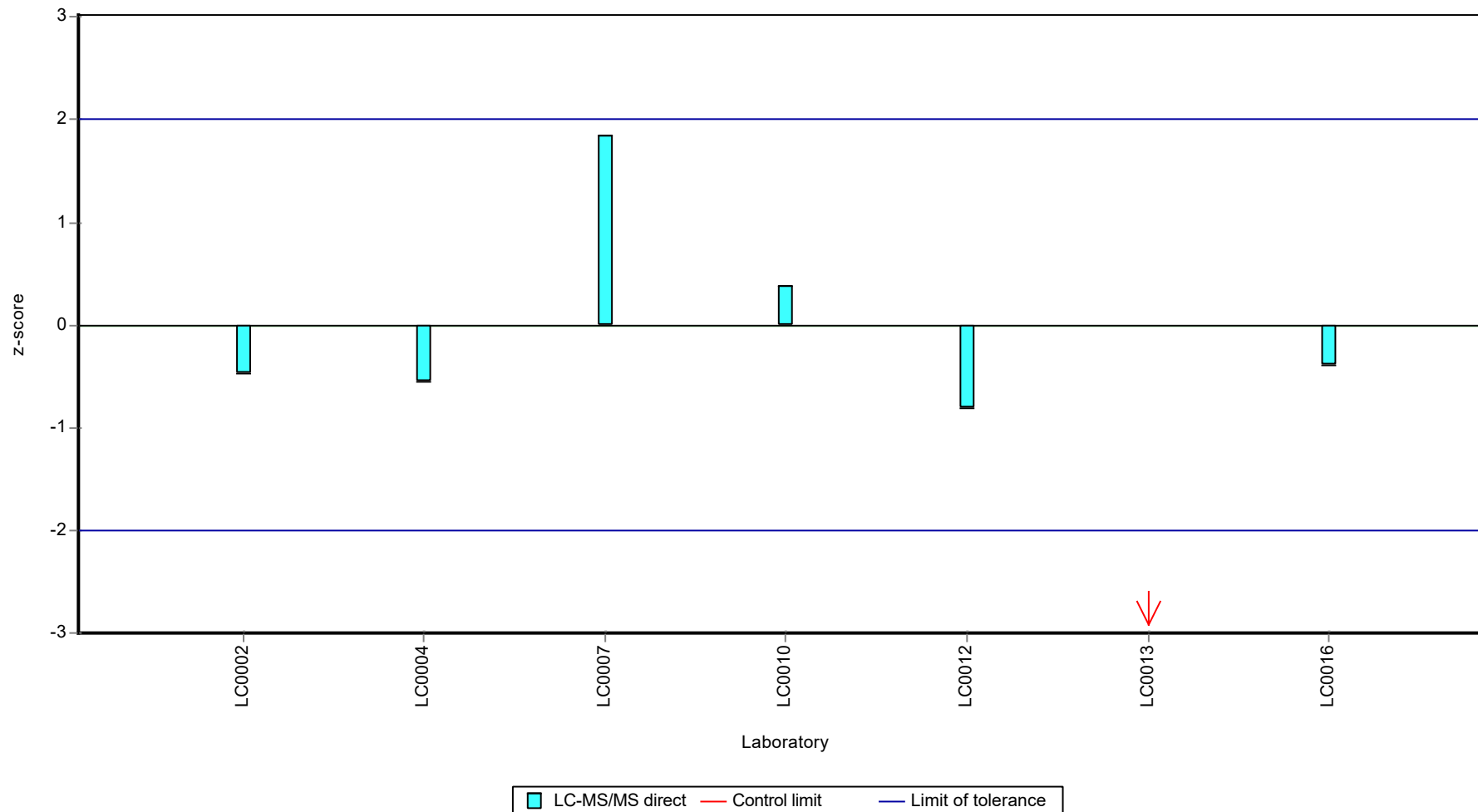
Results



Recovery rate



Z-score



Parameter oriented report

AZ7 A

Iopamidol

Unit	µg/l
Assigned value ± U (k=2)	0.314 ± 0.0414
Criterion	0.0687 (22 %)
Minimum - Maximum	0.199 - 0.421
Control test value ± U (k=2)	0.336 ± 0.0504

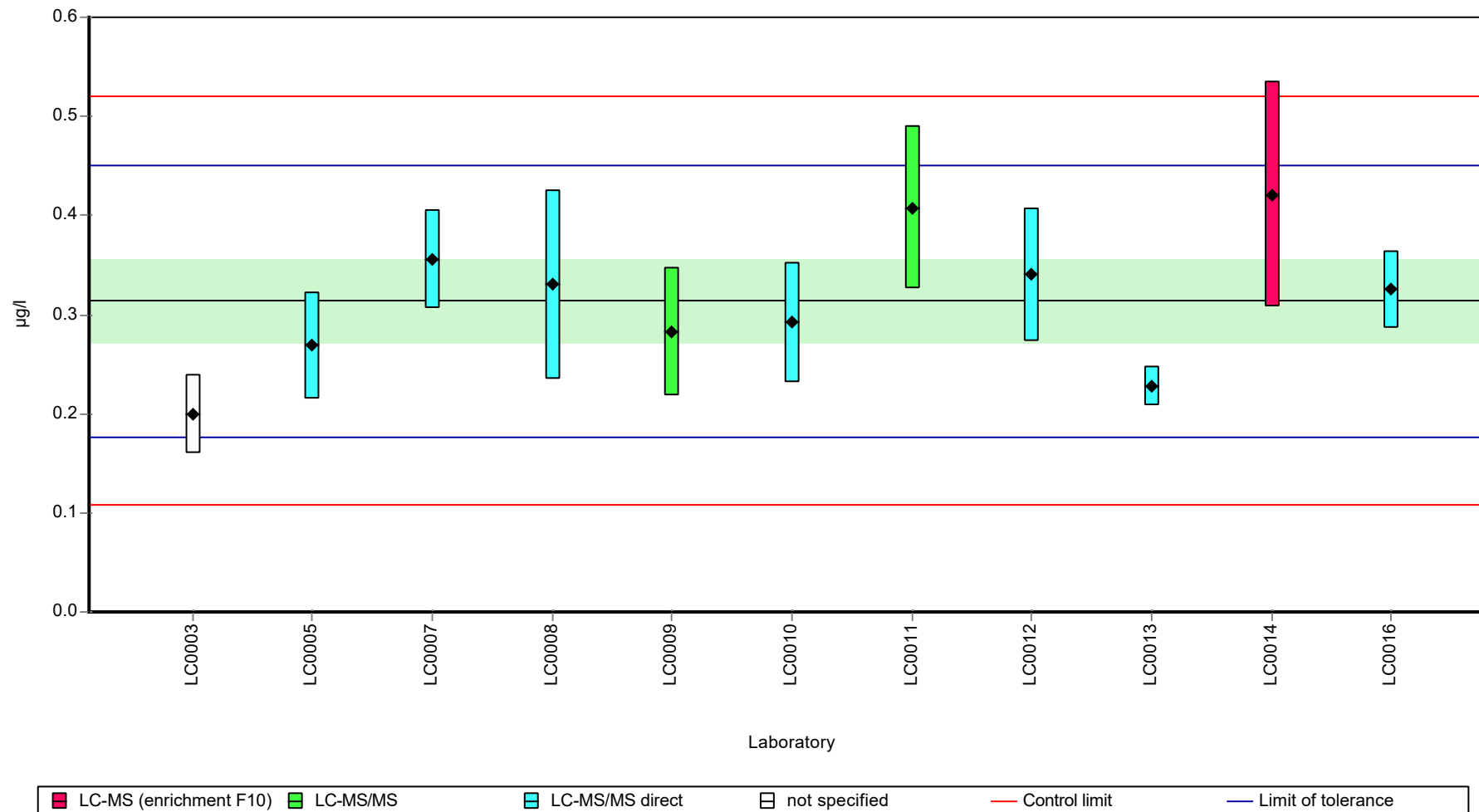
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	0.199	0.04	63.5	-1.67	
LC0004	-	-	-	-	
LC0005	0.269	0.054	85.8	-0.65	
LC0006	-	-	-	-	
LC0007	0.355	0.05	113	0.6	
LC0008	0.33	0.096	105	0.24	
LC0009	0.28199	0.065	89.9	-0.46	
LC0010	0.2918	0.06	93.1	-0.32	
LC0011	0.408	0.082	130	1.38	
LC0012	0.34	0.068	108	0.39	
LC0013	0.228	0.02	72.7	-1.25	
LC0014	0.421	0.114	134	1.56	
LC0015	-	-	-	-	
LC0016	0.325	0.039	104	0.17	

Characteristics of parameter

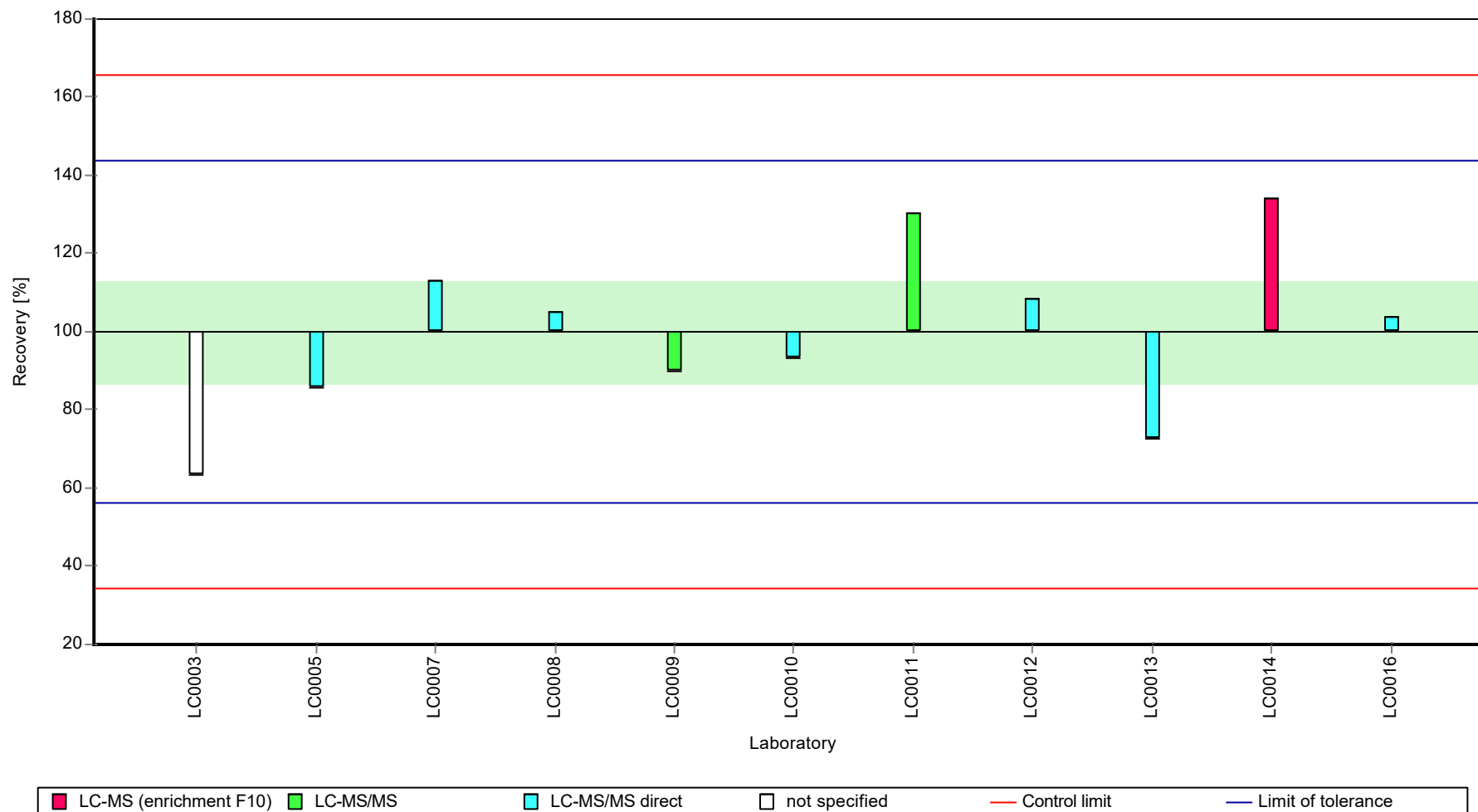
	all results	without outliers	Unit
Mean ± CI (99%)	0.314 ± 0.0621	0.314 ± 0.0621	µg/l
Minimum	0.199	0.199	µg/l
Maximum	0.421	0.421	µg/l
Standard deviation	0.0687	0.0687	µg/l
rel. standard deviation	21.9	21.9	%
n	11	11	-

Graphical presentation of results

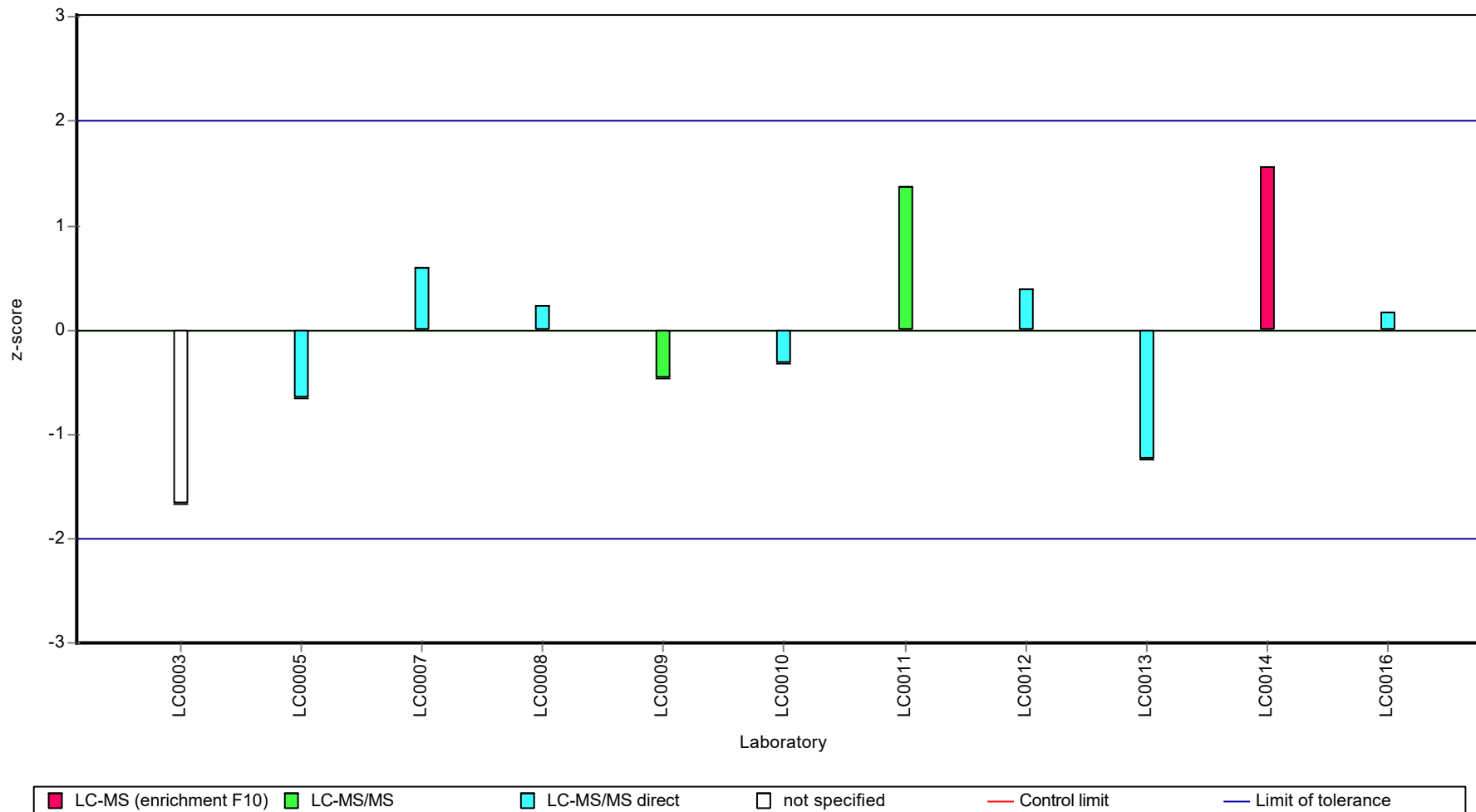
Results



Recovery rate



Z-score



Parameter oriented report

AZ7 B

Iopamidol

Unit	µg/l
Assigned value ± U (k=2)	32.8 ± 7.95
Criterion	11.3 (35 %)
Minimum - Maximum	11.4 - 45.2
Control test value ± U (k=2)	38.4 ± 5.76

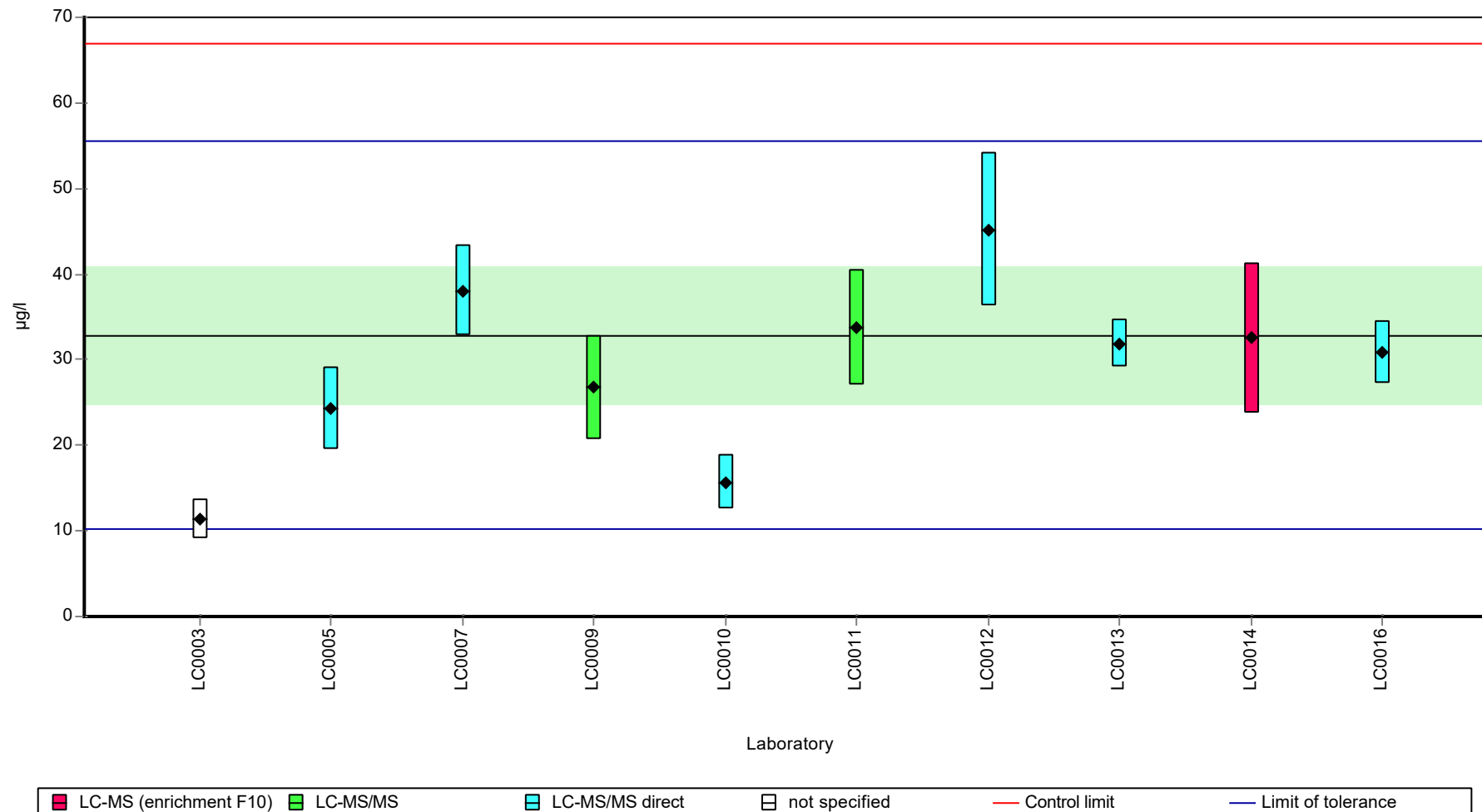
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	11.4	2.29	34.7	-1.89	
LC0004	-	-	-	-	
LC0005	24.3	4.9	74	-0.75	
LC0006	-	-	-	-	
LC0007	38	5.3	116	0.46	
LC0008	-	-	-	-	
LC0009	26.7169	6.14	81.3	-0.54	
LC0010	15.715	3.14	47.8	-1.51	
LC0011	33.7	6.73	103	0.08	
LC0012	45.2	9.04	138	1.09	
LC0013	31.9	2.79	97.1	-0.08	
LC0014	32.55	8.789	99.1	-0.03	
LC0015	-	-	-	-	
LC0016	30.8	3.7	93.8	-0.18	

Characteristics of parameter

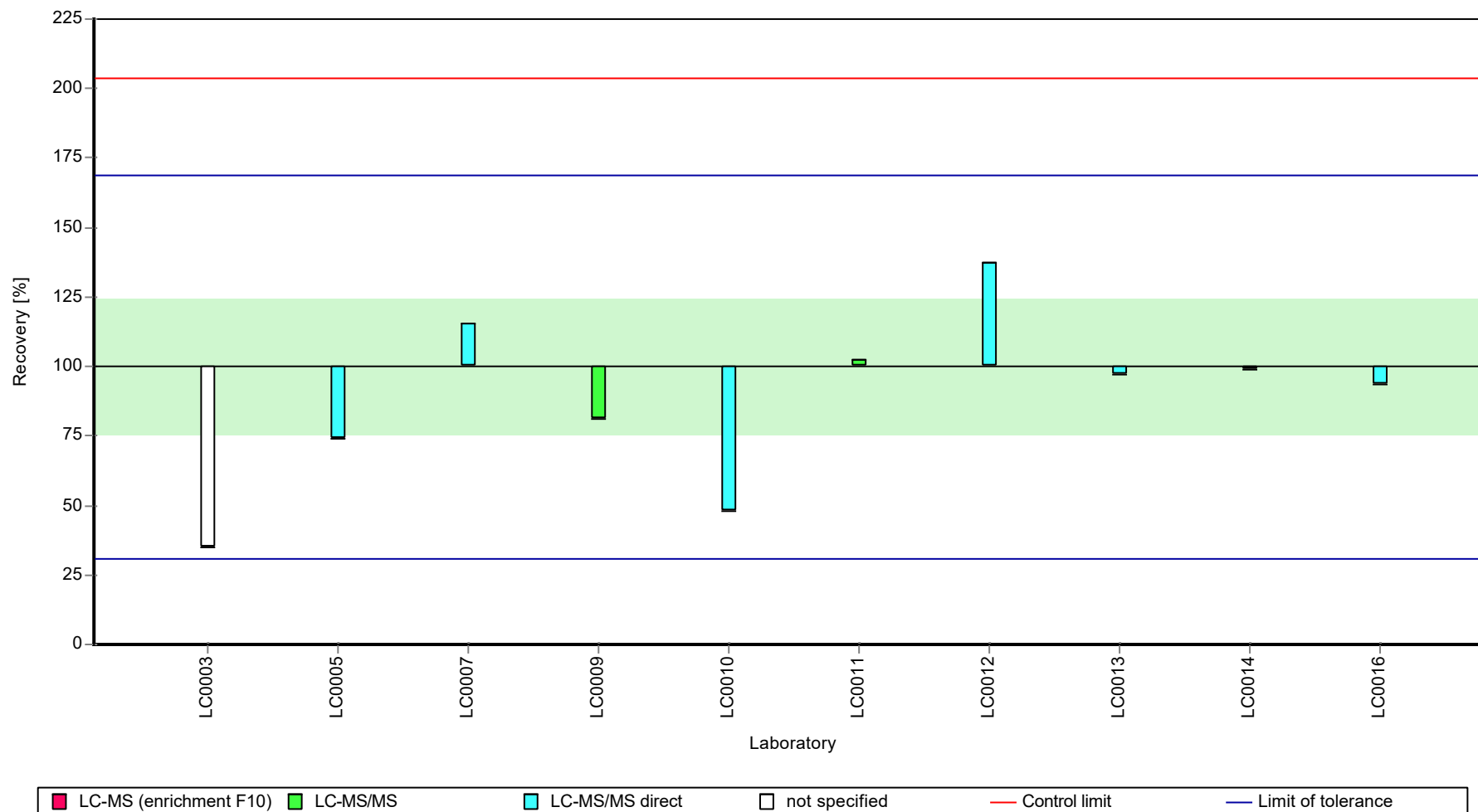
	all results	without outliers	Unit
Mean ± CI (99%)	29 ± 9.5	29 ± 9.5	µg/l
Minimum	11.4	11.4	µg/l
Maximum	45.2	45.2	µg/l
Standard deviation	10	10	µg/l
rel. standard deviation	34.5	34.5	%
n	10	10	-

Graphical presentation of results

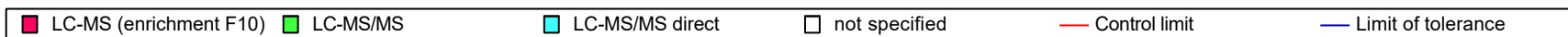
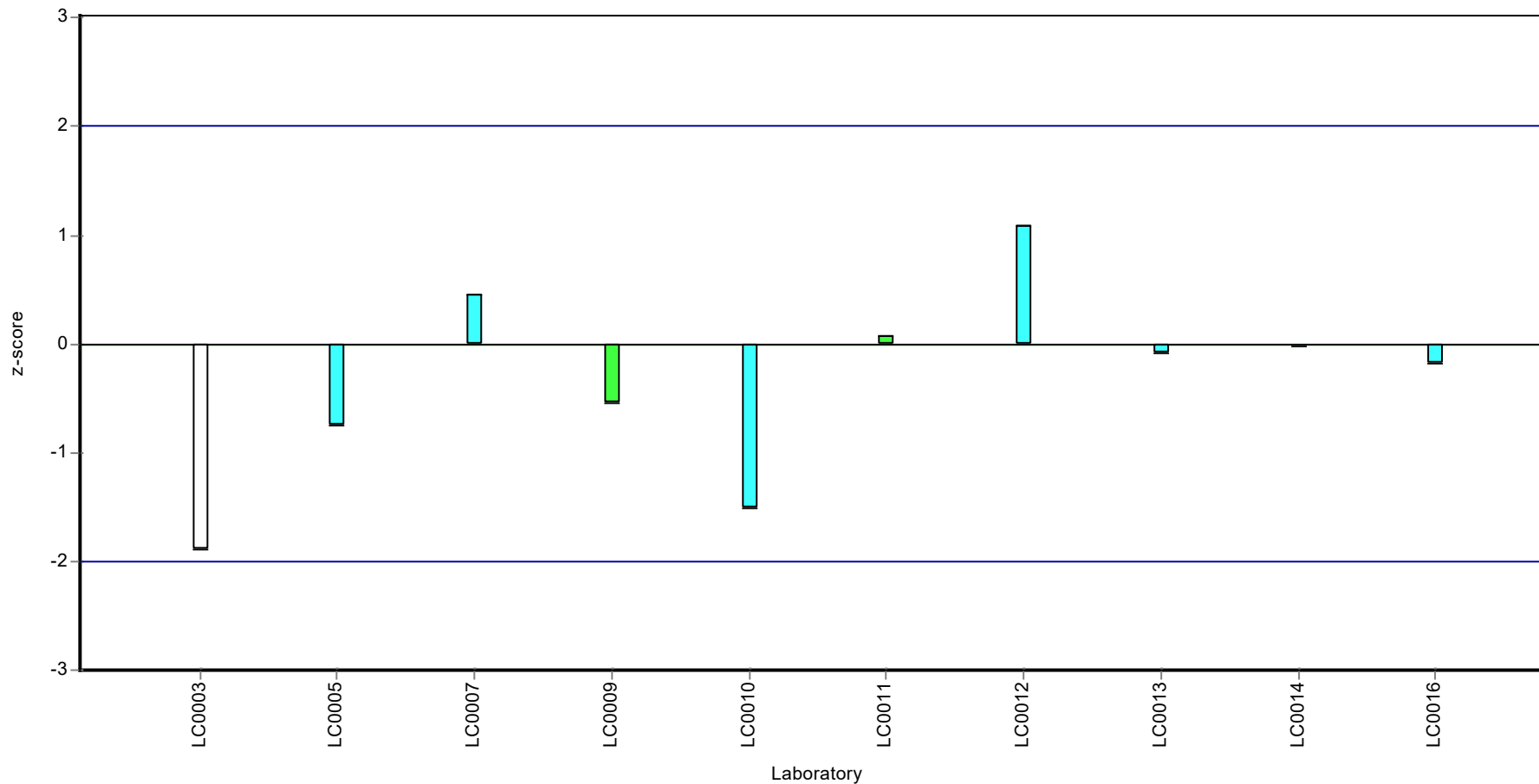
Results



Recovery rate



Z-score



Parameter oriented report

AZ7 A

Metoprolol

Unit	µg/l
Assigned value ± U (k=2)	0.147 ± 0.0105
Criterion	0.0368 (25 %)
Minimum - Maximum	0.11 - 0.19
Control test value ± U (k=2)	0.173 ± 0.0259

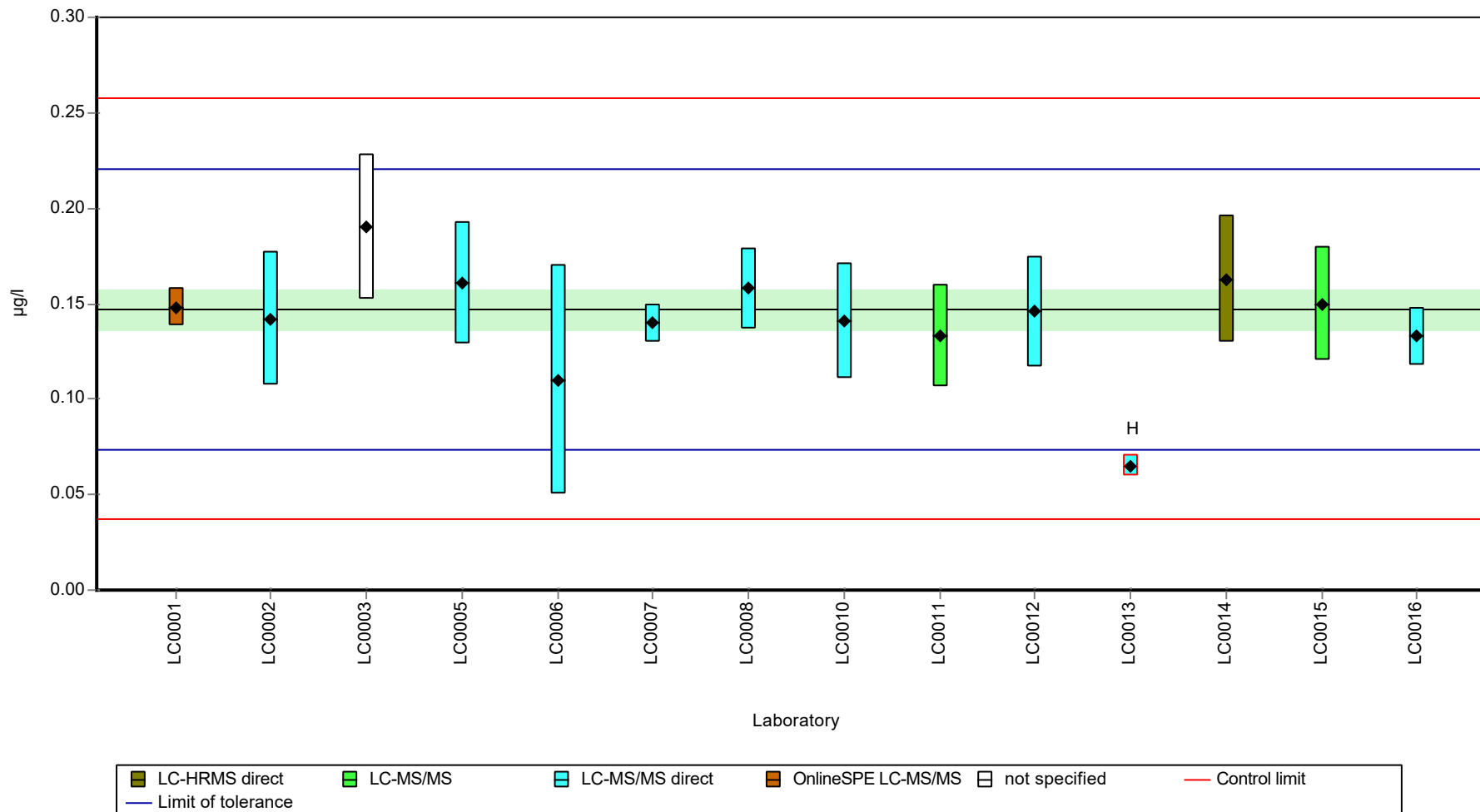
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.148	0.01	100	0.02	
LC0002	0.142	0.035	96.4	-0.14	
LC0003	0.19	0.038	129	1.16	
LC0004	-	-	-	-	
LC0005	0.161	0.032	109	0.37	
LC0006	0.11	0.06	74.7	-1.01	
LC0007	0.14	0.01	95	-0.2	
LC0008	0.158	0.021	107	0.29	
LC0009	-	-	-	-	
LC0010	0.141	0.03	95.7	-0.17	
LC0011	0.133	0.027	90.3	-0.39	
LC0012	0.146	0.029	99.1	-0.04	
LC0013	0.065	0.0057	44.1	-2.23	H
LC0014	0.163	0.033	111	0.43	
LC0015	0.15	0.03	102	0.07	
LC0016	0.133	0.015	90.3	-0.39	

Characteristics of parameter

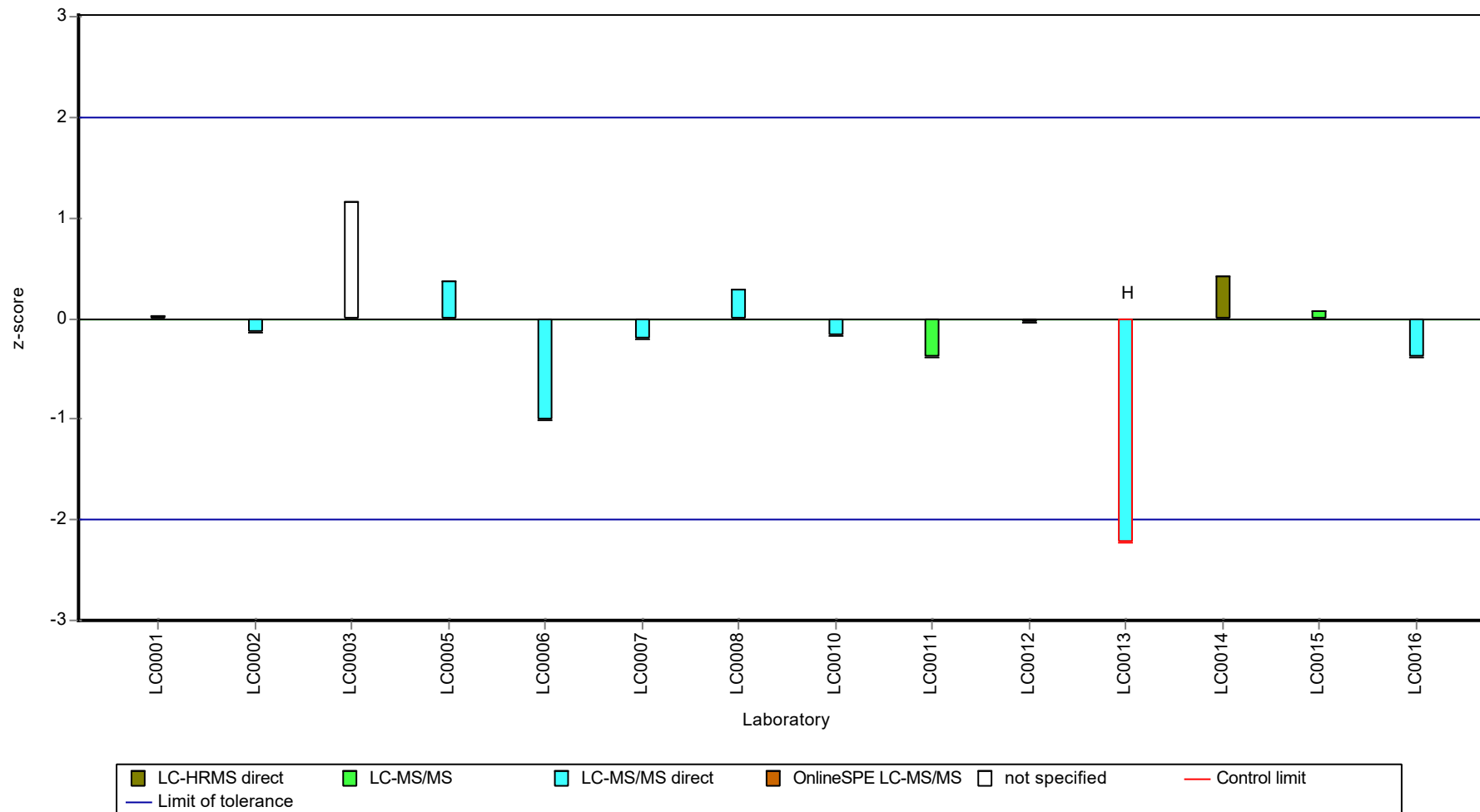
	all results	without outliers	Unit
Mean ± CI (99%)	0.141 ± 0.0229	0.147 ± 0.0158	µg/l
Minimum	0.065	0.11	µg/l
Maximum	0.19	0.19	µg/l
Standard deviation	0.0285	0.0189	µg/l
rel. standard deviation	20.2	12.9	%
n	14	13	-

Graphical presentation of results

Results



Z-score



Parameter oriented report

AZ7 B

Metoprolol

Unit	µg/l
Assigned value ± U (k=2)	0.235 ± 0.0183
Criterion	0.0587 (25 %)
Minimum - Maximum	0.192 - 0.305
Control test value ± U (k=2)	0.258 ± 0.0387

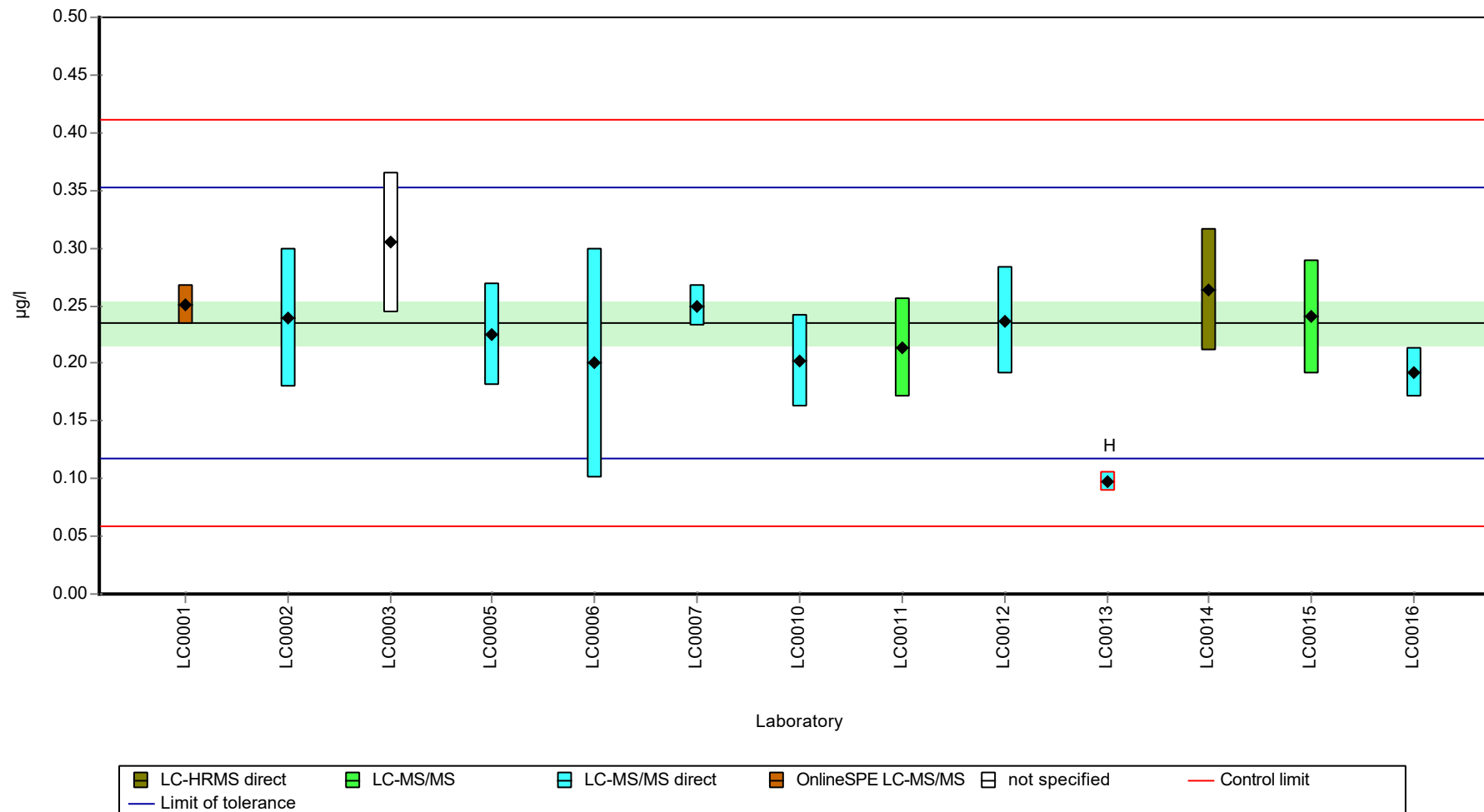
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.251	0.017	107	0.28	
LC0002	0.239	0.06	102	0.07	
LC0003	0.305	0.061	130	1.19	
LC0004	-	-	-	-	
LC0005	0.225	0.045	95.8	-0.17	
LC0006	0.2	0.1	85.2	-0.59	
LC0007	0.25	0.018	106	0.26	
LC0008	-	-	-	-	
LC0009	-	-	-	-	
LC0010	0.2015	0.04	85.8	-0.57	
LC0011	0.214	0.043	91.1	-0.36	
LC0012	0.237	0.047	101	0.04	
LC0013	0.098	0.0086	41.7	-2.33	H
LC0014	0.264	0.053	112	0.5	
LC0015	0.24	0.05	102	0.09	
LC0016	0.192	0.021	81.7	-0.73	

Characteristics of parameter

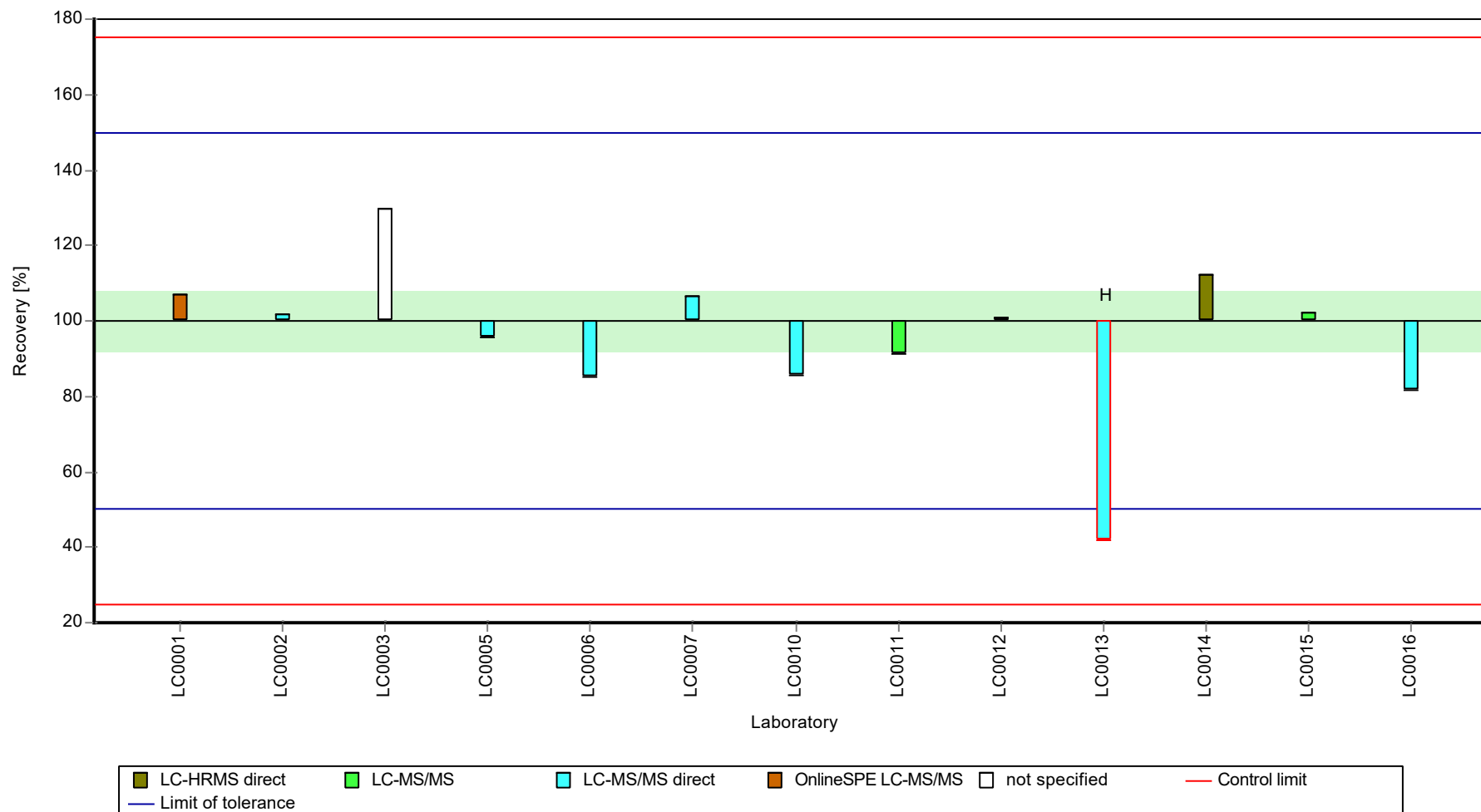
	all results	without outliers	Unit
Mean ± CI (99%)	0.224 ± 0.0404	0.235 ± 0.0274	µg/l
Minimum	0.098	0.192	µg/l
Maximum	0.305	0.305	µg/l
Standard deviation	0.0486	0.0316	µg/l
rel. standard deviation	21.6	13.5	%
n	13	12	-

Graphical presentation of results

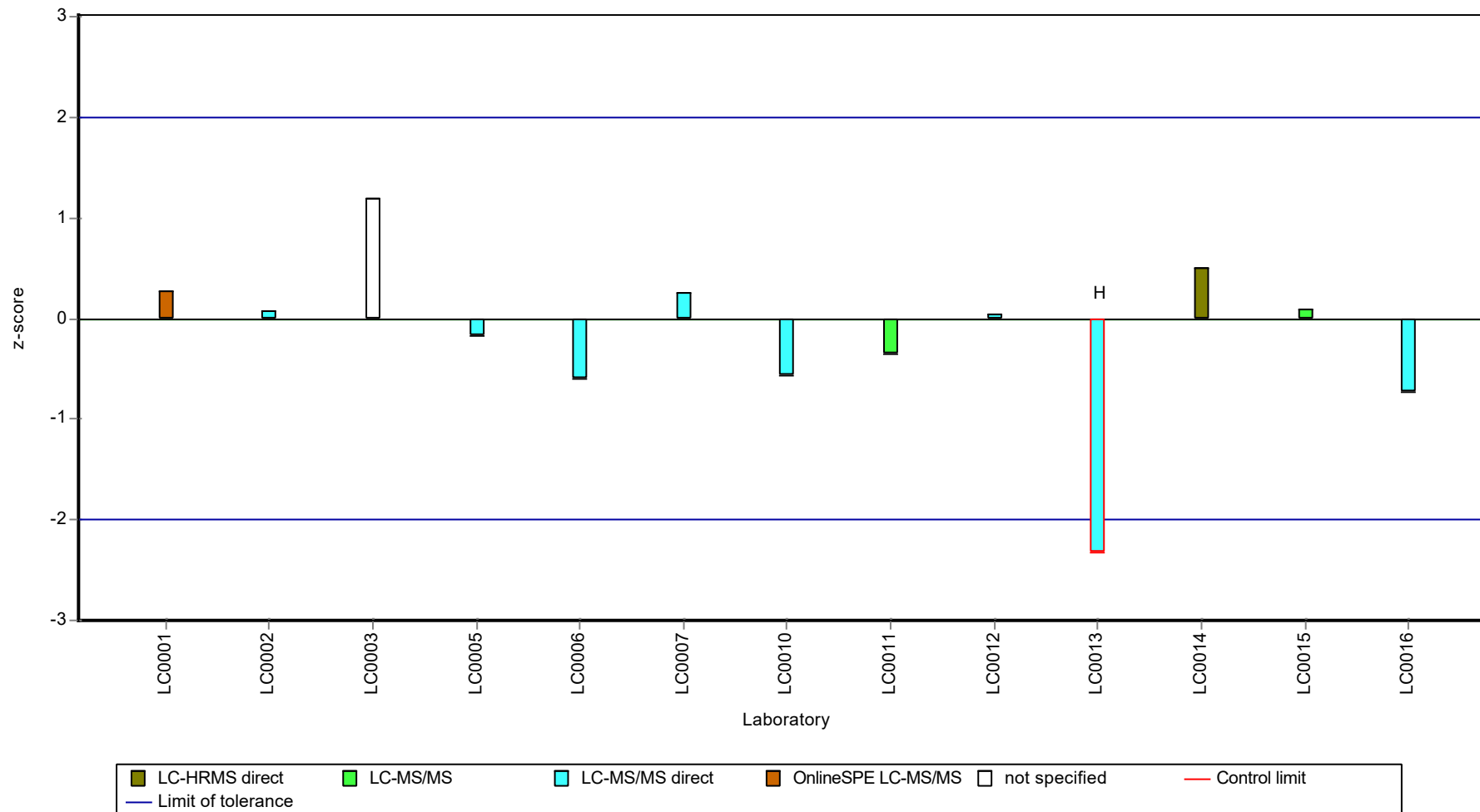
Results



Recovery rate



Z-score



Parameter oriented report

AZ7 A

Saccharin

Unit	µg/l
Assigned value ± U (k=2)	-
Criterion	-
Minimum - Maximum	0.016 - 0.019
Control test value ± U (k=2)	< 0,025 (LOQ)

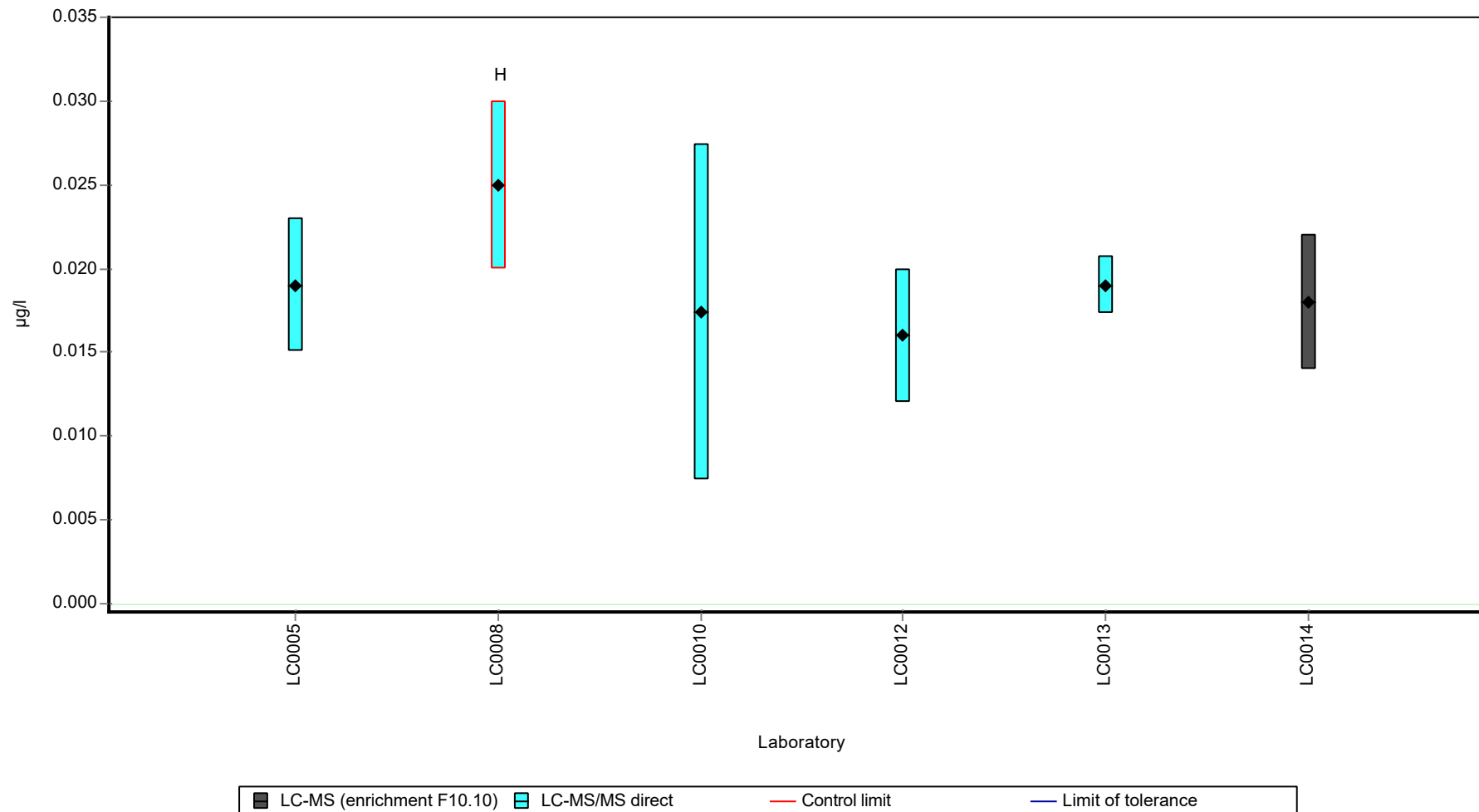
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	0.019	0.004	-	-	
LC0006	-	-	-	-	
LC0007	-	-	-	-	
LC0008	0.025	0.005	-	-	H
LC0009	< 0.05 (LOQ)	-	-	-	
LC0010	0.0174	0.01	-	-	
LC0011	-	-	-	-	
LC0012	0.016	0.004	-	-	
LC0013	0.019	0.0017	-	-	
LC0014	0.018	0.004	-	-	
LC0015	-	-	-	-	
LC0016	-	-	-	-	

Characteristics of parameter

	all results	without outliers	Unit
Mean ± CI (99%)	0.0191 ± 0.00382	-	µg/l
Minimum	0.016	0.016	µg/l
Maximum	0.025	0.019	µg/l
Standard deviation	0.00312	-	µg/l
rel. standard deviation	16.3	-	%
n	6	5	-

Graphical presentation of results

Results



Parameter oriented report

AZ7 B

Saccharin

Unit	µg/l
Assigned value ± U (k=2)	1.39 ± 0.0833
Criterion	0.306 (22 %)
Minimum - Maximum	1.29 - 1.56
Control test value ± U (k=2)	1.29 ± 0.193

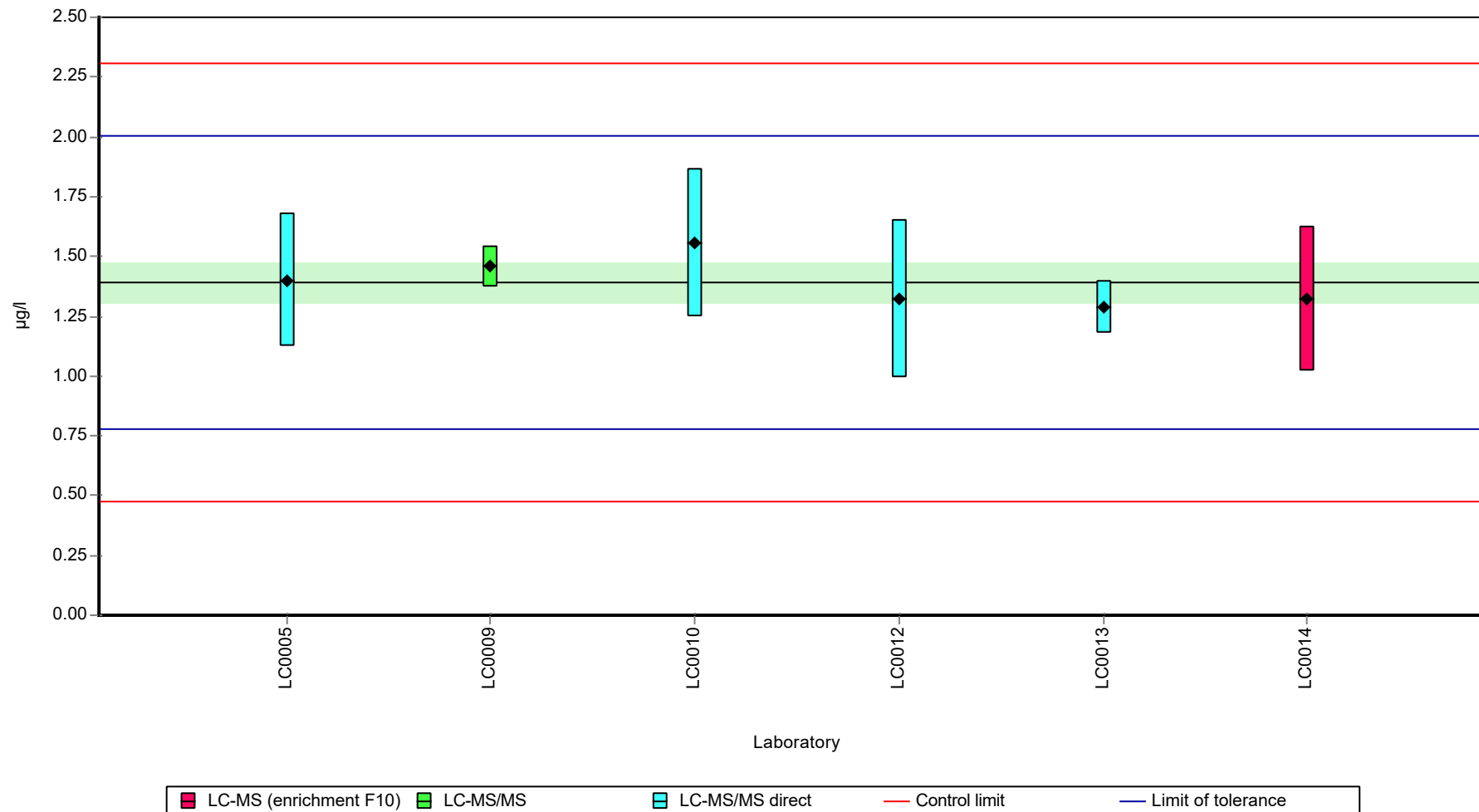
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	1.4	0.28	101	0.03	
LC0006	-	-	-	-	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	1.458	0.087	105	0.22	
LC0010	1.5576	0.31	112	0.54	
LC0011	-	-	-	-	
LC0012	1.324	0.331	95.1	-0.22	
LC0013	1.29	0.11	92.7	-0.33	
LC0014	1.32	0.304	94.9	-0.23	
LC0015	-	-	-	-	
LC0016	-	-	-	-	

Characteristics of parameter

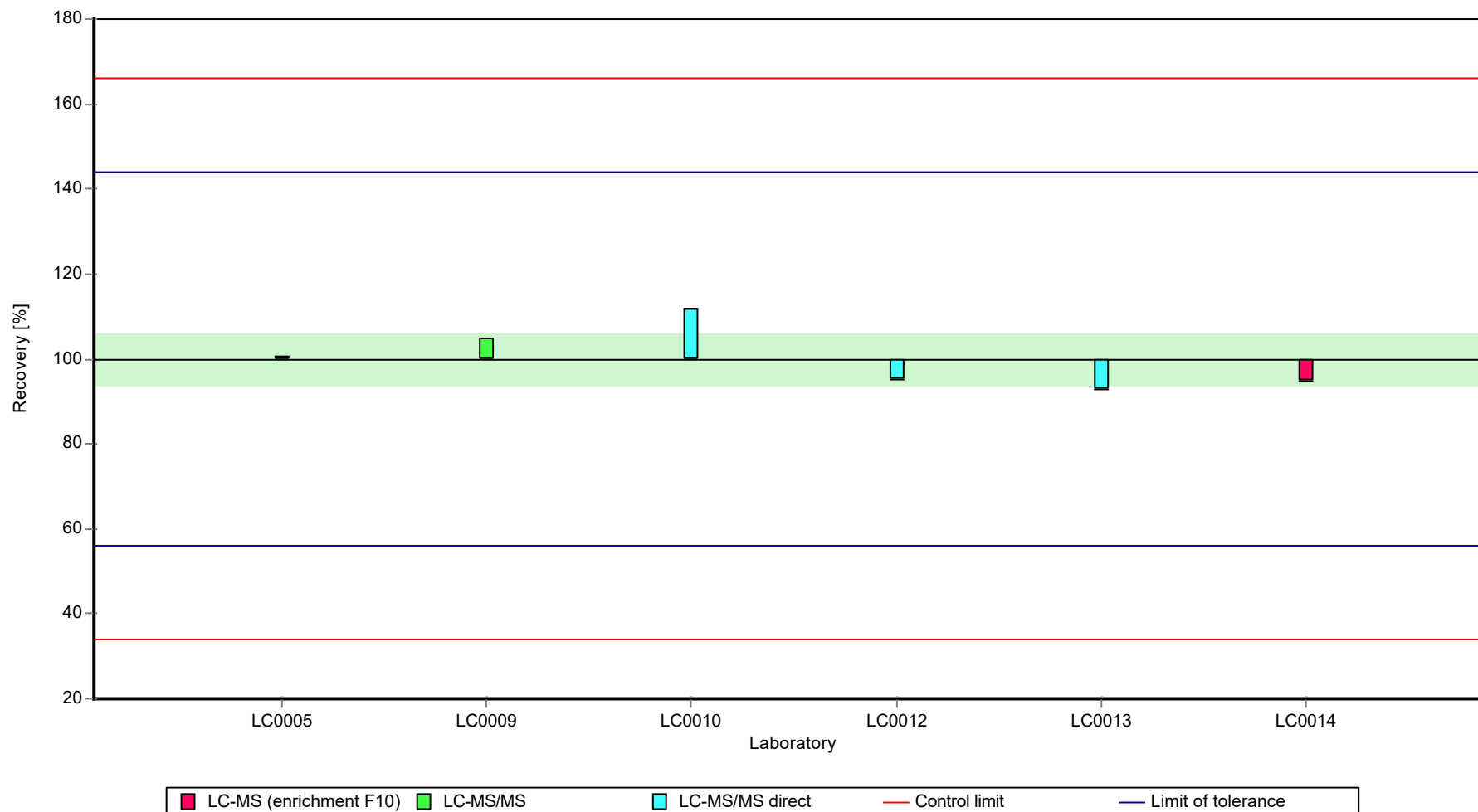
	all results	without outliers	Unit
Mean ± CI (99%)	1.39 ± 0.125	1.39 ± 0.125	µg/l
Minimum	1.29	1.29	µg/l
Maximum	1.56	1.56	µg/l
Standard deviation	0.102	0.102	µg/l
rel. standard deviation	7.33	7.33	%
n	6	6	-

Graphical presentation of results

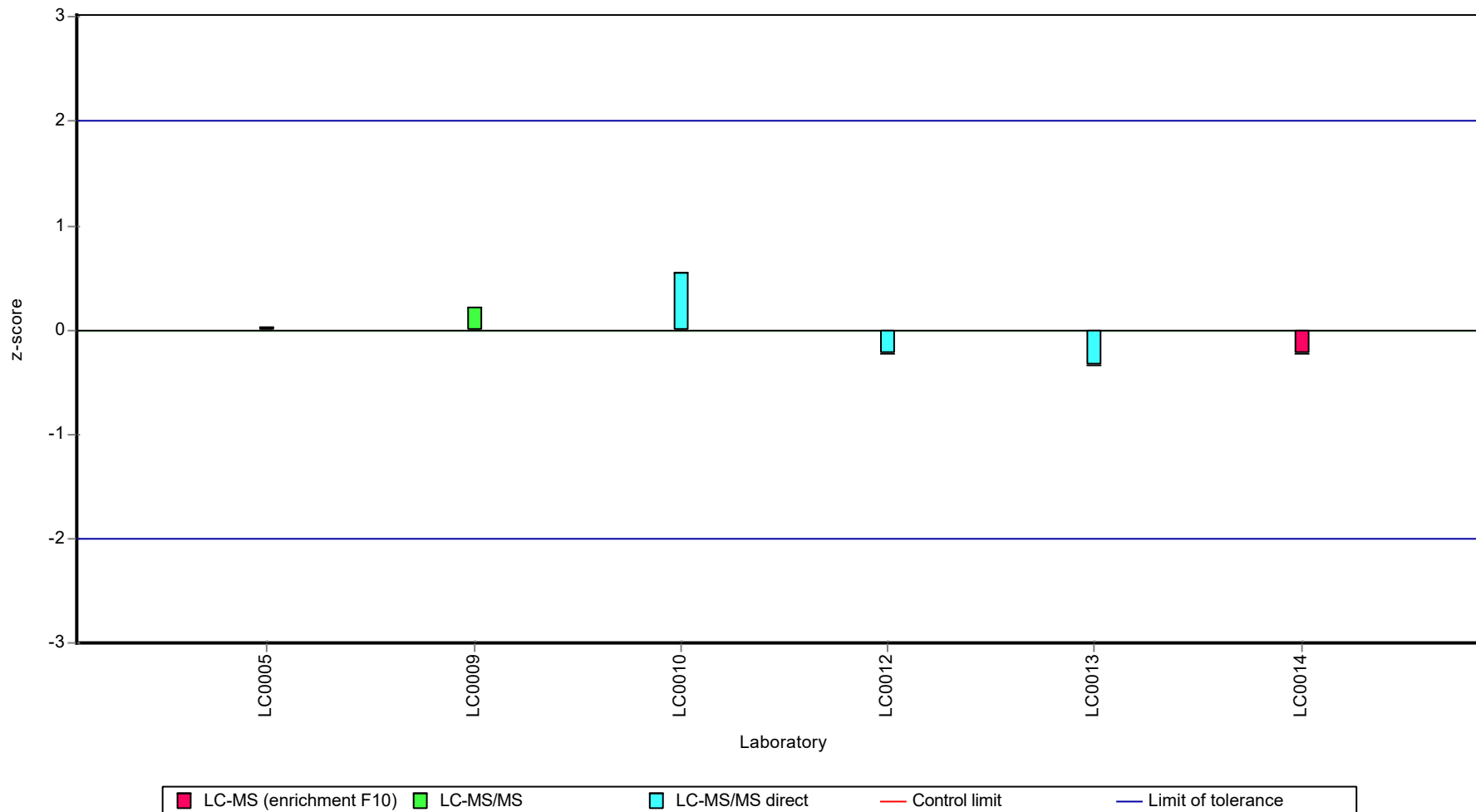
Results



Recovery rate



Z-score



Parameter oriented report

AZ7 A

Sotalol

Unit	µg/l
Assigned value ± U (k=2)	0.167 ± 0.0145
Criterion	0.0368 (22 %)
Minimum - Maximum	0.133 - 0.206
Control test value ± U (k=2)	0.154 ± 0.0231

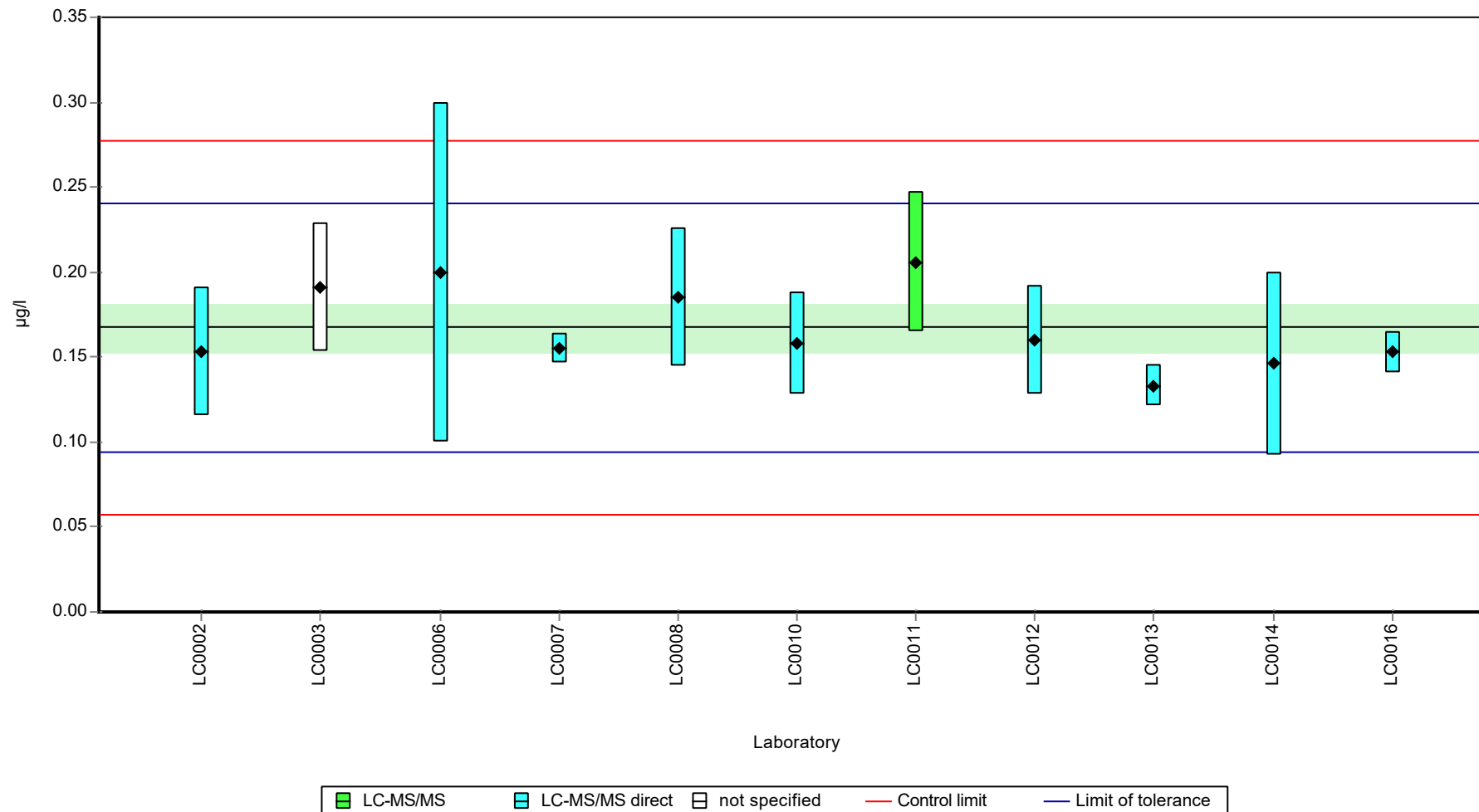
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	0.153	0.038	91.5	-0.39	
LC0003	0.191	0.038	114	0.65	
LC0004	-	-	-	-	
LC0005	-	-	-	-	
LC0006	0.2	0.1	120	0.89	
LC0007	0.155	0.009	92.7	-0.33	
LC0008	0.185	0.041	111	0.48	
LC0009	-	-	-	-	
LC0010	0.158	0.03	94.5	-0.25	
LC0011	0.206	0.041	123	1.05	
LC0012	0.16	0.032	95.7	-0.2	
LC0013	0.133	0.012	79.5	-0.93	
LC0014	0.146	0.054	87.3	-0.58	
LC0015	-	-	-	-	
LC0016	0.153	0.012	91.5	-0.39	

Characteristics of parameter

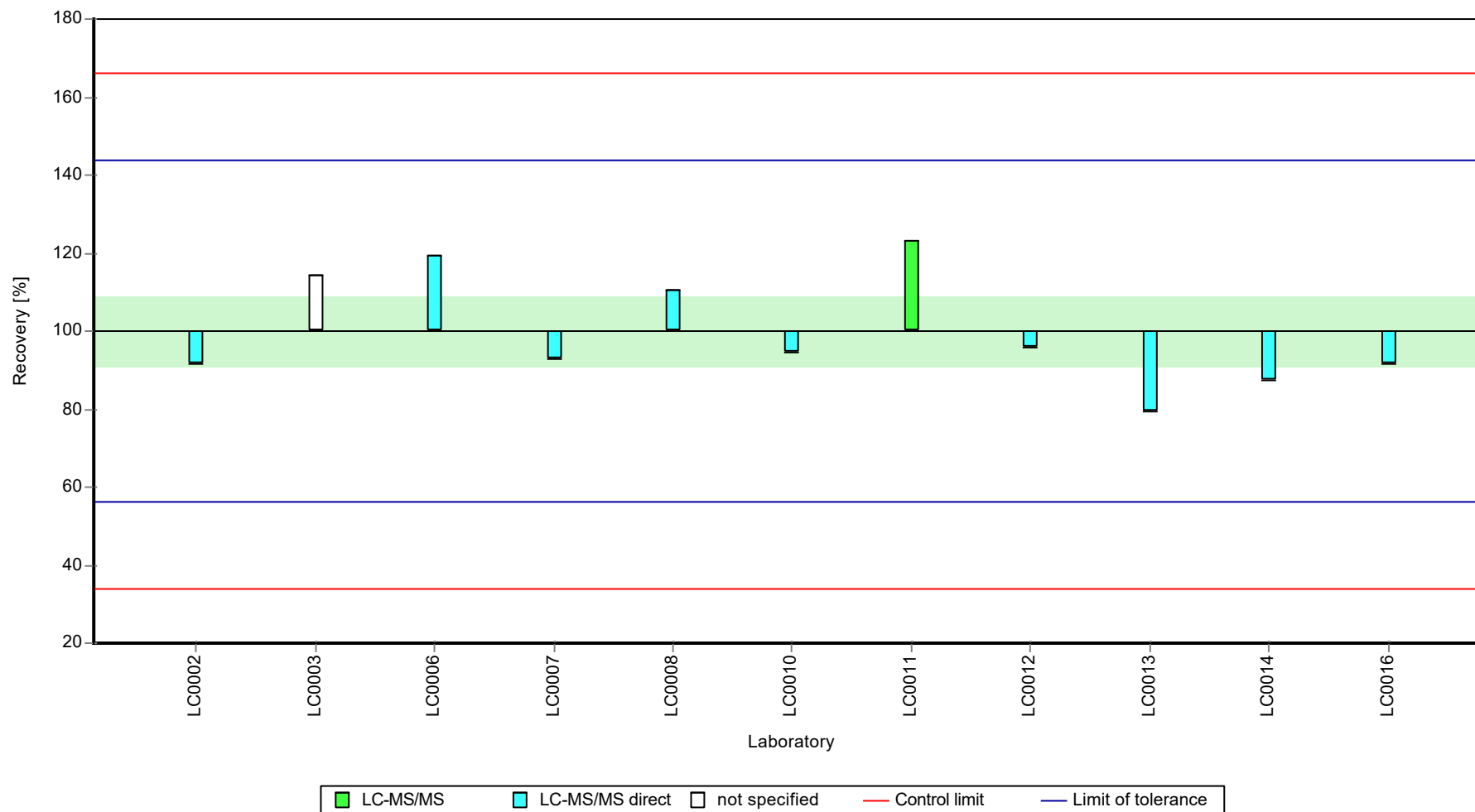
	all results	without outliers	Unit
Mean ± CI (99%)	0.167 ± 0.0217	0.167 ± 0.0217	µg/l
Minimum	0.133	0.133	µg/l
Maximum	0.206	0.206	µg/l
Standard deviation	0.024	0.024	µg/l
rel. standard deviation	14.4	14.4	%
n	11	11	-

Graphical presentation of results

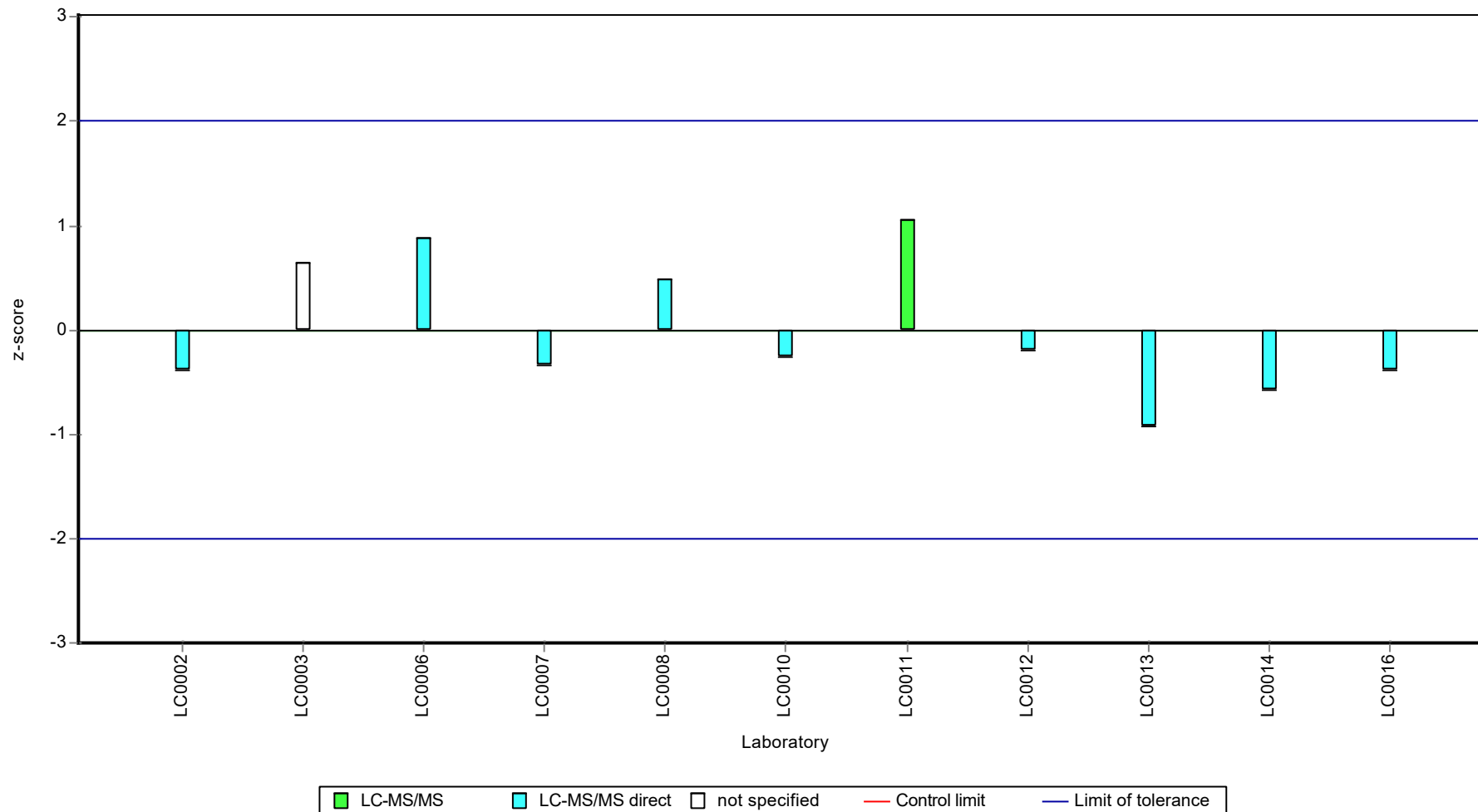
Results



Recovery rate



Z-score



Parameter oriented report

AZ7 B

Sotalol

Unit	µg/l
Assigned value ± U (k=2)	0.206 ± 0.0241
Criterion	0.0452 (22 %)
Minimum - Maximum	0.16 - 0.265
Control test value ± U (k=2)	0.199 ± 0.0299

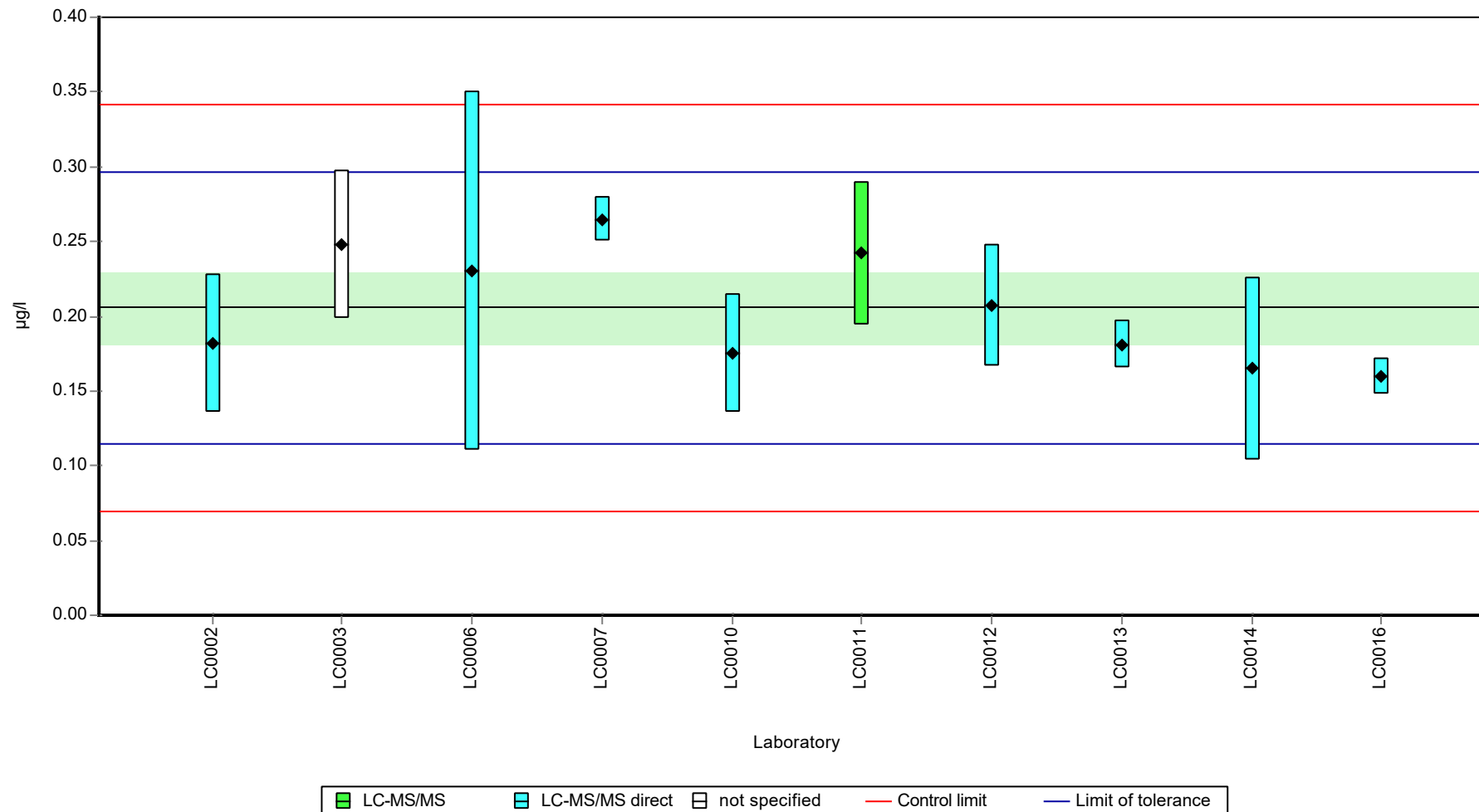
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	0.182	0.046	88.6	-0.52	
LC0003	0.248	0.05	121	0.94	
LC0004	-	-	-	-	
LC0005	-	-	-	-	
LC0006	0.23	0.12	112	0.54	
LC0007	0.265	0.015	129	1.32	
LC0008	-	-	-	-	
LC0009	-	-	-	-	
LC0010	0.1753	0.04	85.3	-0.67	
LC0011	0.242	0.048	118	0.81	
LC0012	0.207	0.041	101	0.03	
LC0013	0.181	0.016	88.1	-0.54	
LC0014	0.165	0.061	80.3	-0.9	
LC0015	-	-	-	-	
LC0016	0.16	0.012	77.8	-1.01	

Characteristics of parameter

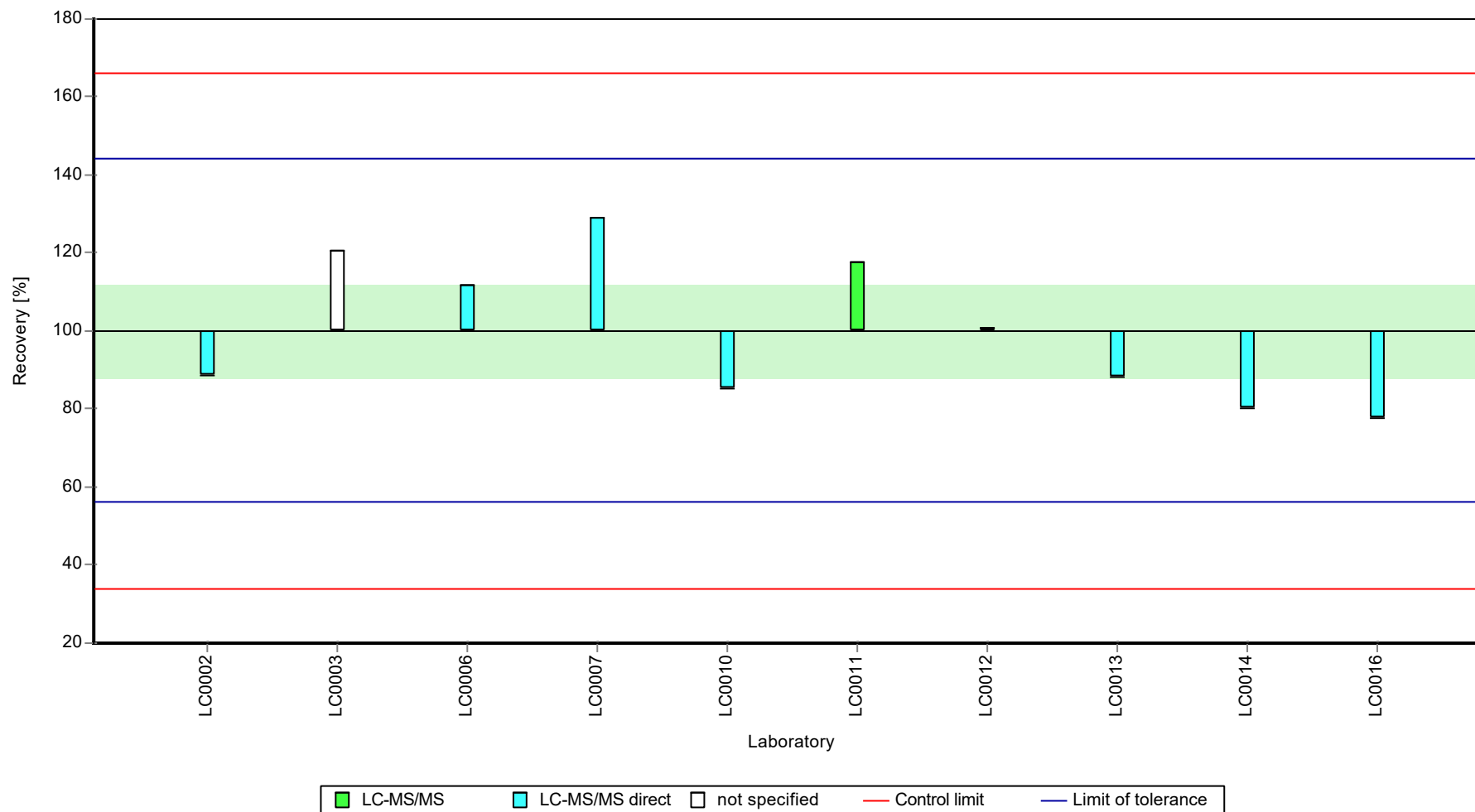
	all results	without outliers	Unit
Mean ± CI (99%)	0.206 ± 0.0361	0.206 ± 0.0361	µg/l
Minimum	0.16	0.16	µg/l
Maximum	0.265	0.265	µg/l
Standard deviation	0.0381	0.0381	µg/l
rel. standard deviation	18.5	18.5	%
n	10	10	-

Graphical presentation of results

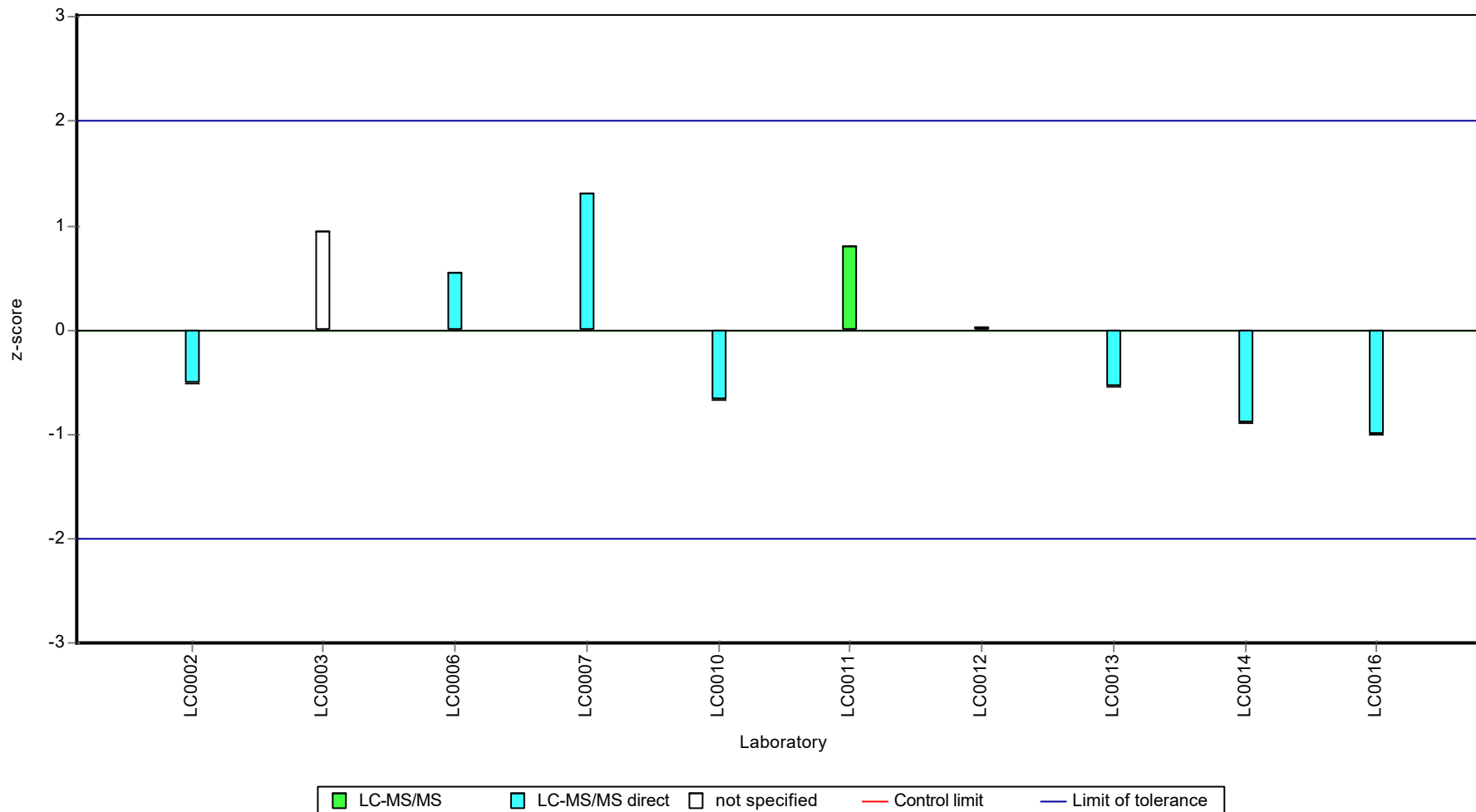
Results



Recovery rate



Z-score



Parameter oriented report

AZ7 A

Sucralose

Unit	µg/l
Assigned value ± U (k=2)	0.337 ± 0.0483
Criterion	0.101 (30 %)
Minimum - Maximum	0.226 - 0.398
Control test value ± U (k=2)	-

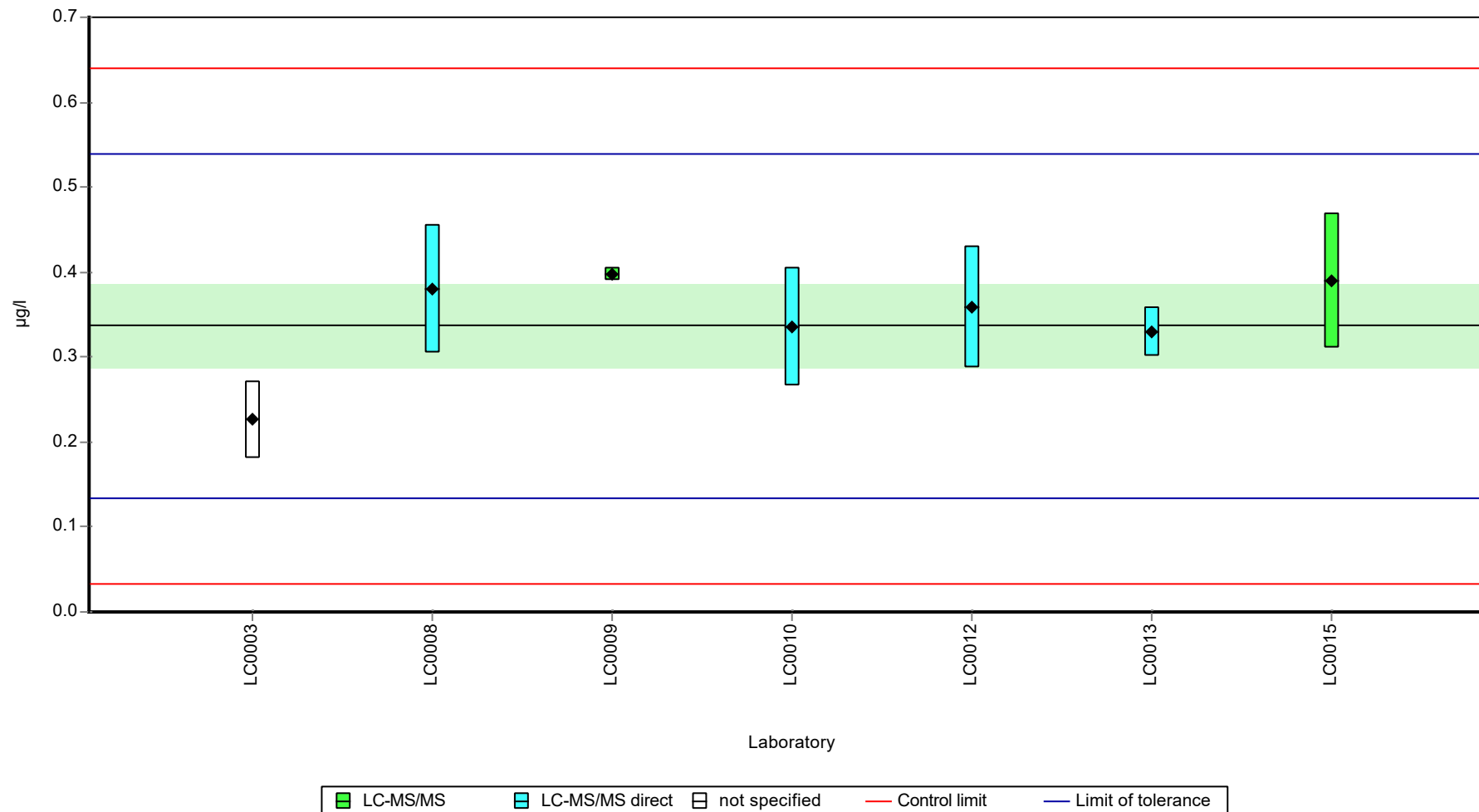
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	0.226	0.045	67.1	-1.1	
LC0004	-	-	-	-	
LC0005	-	-	-	-	
LC0006	-	-	-	-	
LC0007	-	-	-	-	
LC0008	0.38	0.076	113	0.43	
LC0009	0.3975	0.0083	118	0.6	
LC0010	0.3358	0.07	99.7	-0.01	
LC0011	-	-	-	-	
LC0012	0.359	0.072	107	0.22	
LC0013	0.33	0.029	98	-0.07	
LC0014	-	-	-	-	
LC0015	0.39	0.08	116	0.53	
LC0016	-	-	-	-	

Characteristics of parameter

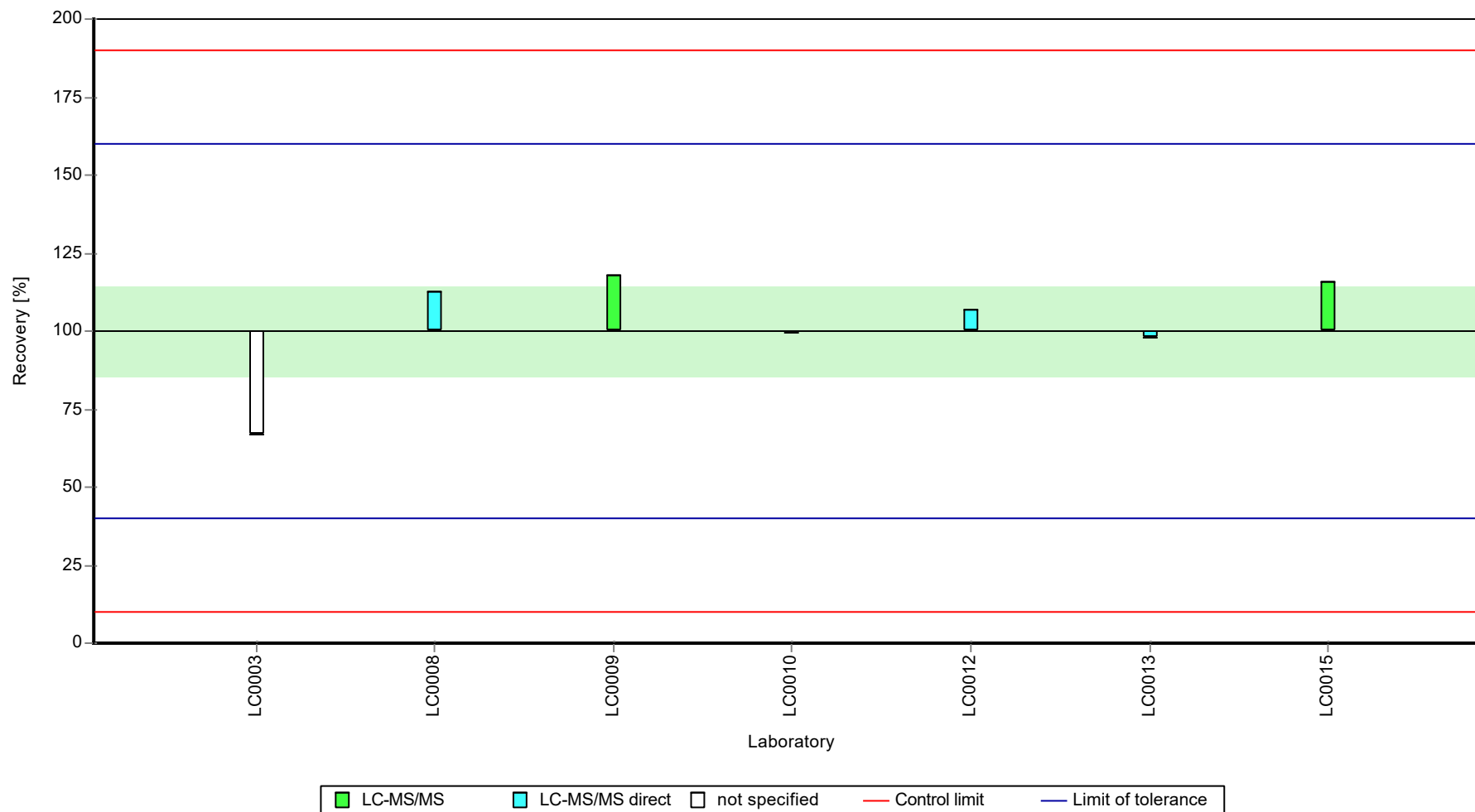
	all results	without outliers	Unit
Mean ± CI (99%)	0.345 ± 0.0666	0.345 ± 0.0666	µg/l
Minimum	0.226	0.226	µg/l
Maximum	0.398	0.398	µg/l
Standard deviation	0.0587	0.0587	µg/l
rel. standard deviation	17	17	%
n	7	7	-

Graphical presentation of results

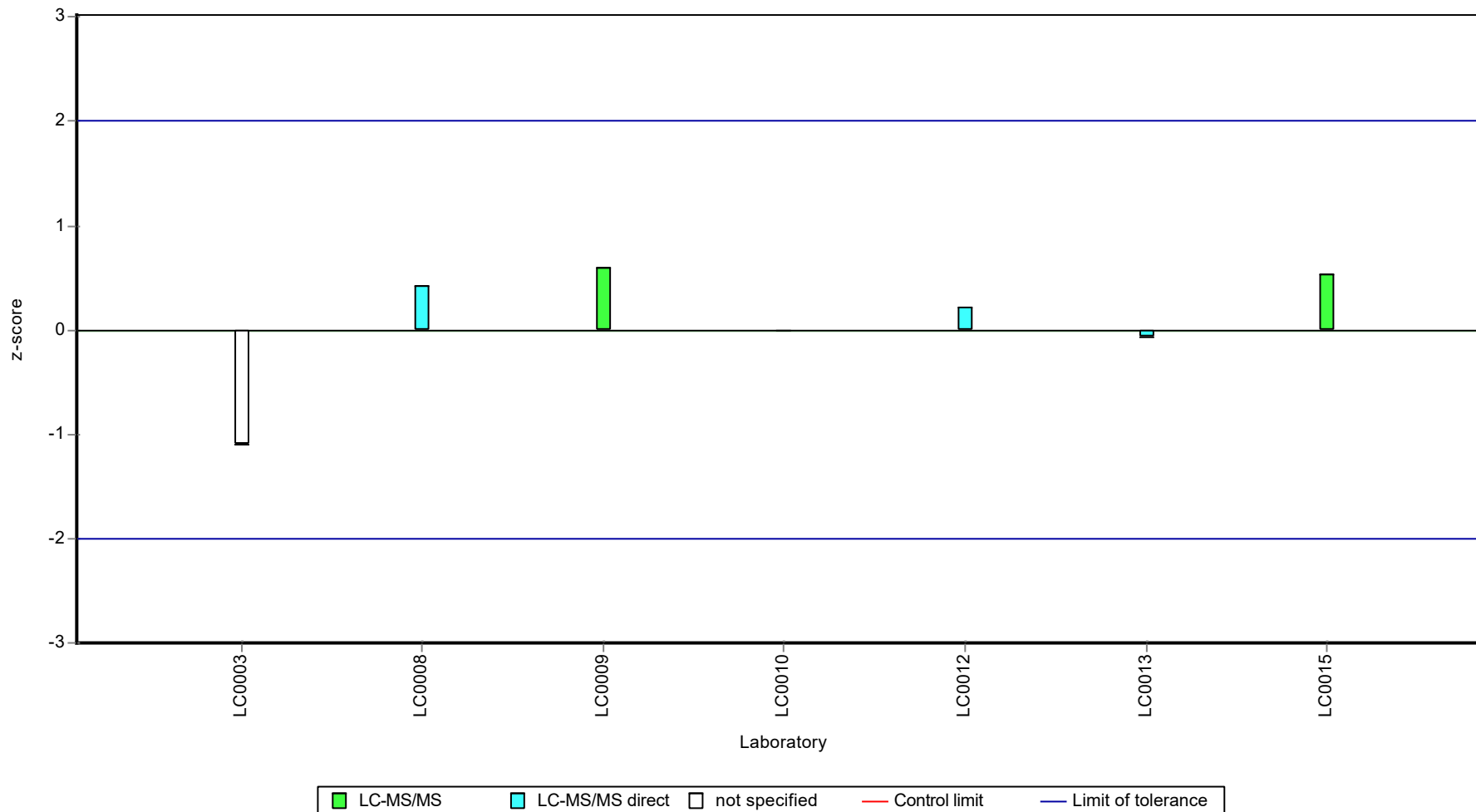
Results



Recovery rate



Z-score



Parameter oriented report

AZ7 B

Sucralose

Unit	µg/l
Assigned value ± U (k=2)	-
Criterion	-
Minimum - Maximum	10.2 - 12.4
Control test value ± U (k=2)	12.6 ± 1.89

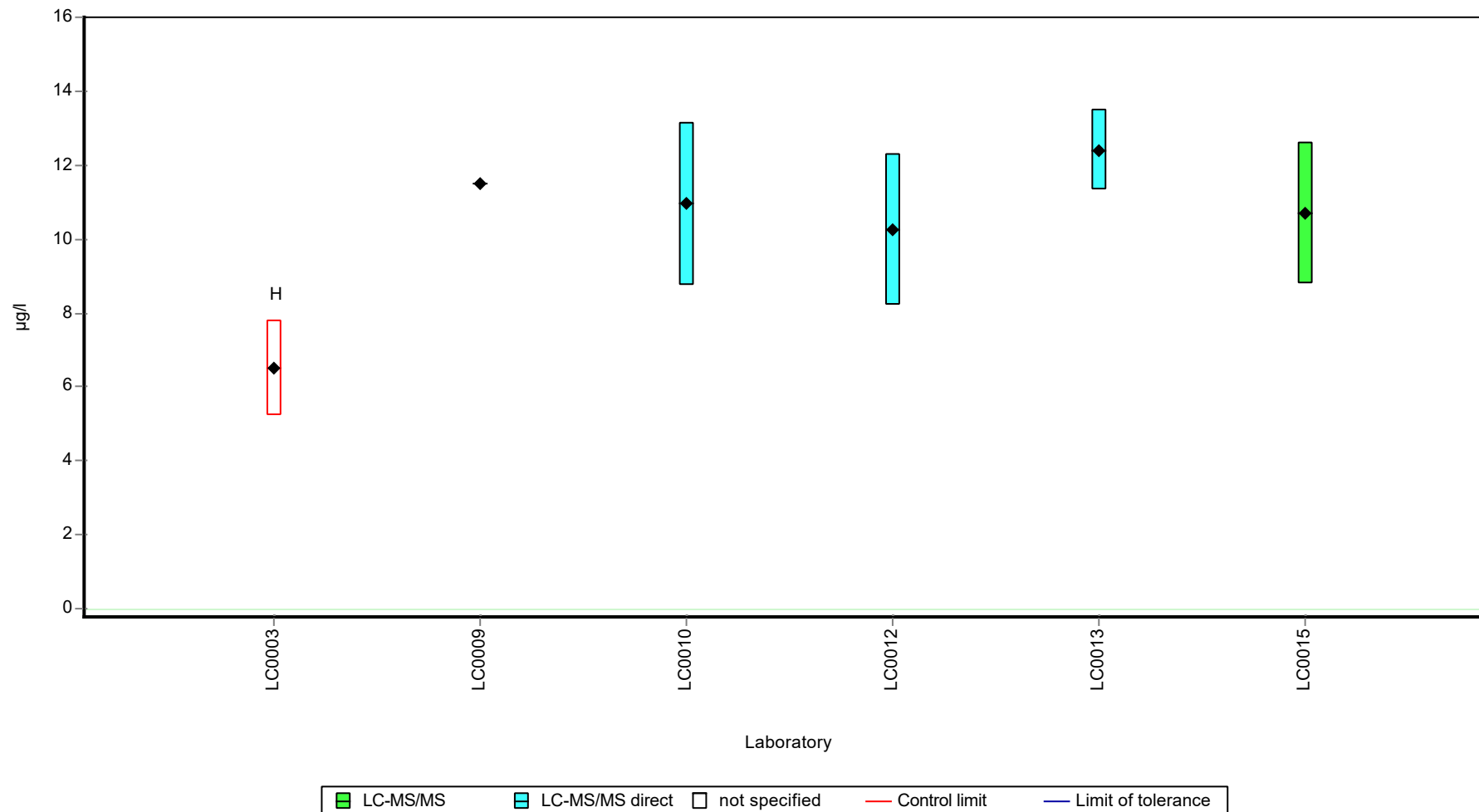
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	6.52	1.3	-	-	H
LC0004	-	-	-	-	
LC0005	-	-	-	-	
LC0006	-	-	-	-	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	11.485	0.011	-	-	
LC0010	10.9418	2.19	-	-	
LC0011	-	-	-	-	
LC0012	10.23	2.05	-	-	
LC0013	12.4	1.09	-	-	
LC0014	-	-	-	-	
LC0015	10.7	1.93	-	-	
LC0016	-	-	-	-	

Characteristics of parameter

	all results	without outliers	Unit
Mean ± CI (99%)	10.4 ± 2.49	-	µg/l
Minimum	6.52	10.2	µg/l
Maximum	12.4	12.4	µg/l
Standard deviation	2.03	-	µg/l
rel. standard deviation	19.6	-	%
n	6	5	-

Graphical presentation of results

Results



Parameter oriented report

AZ7 A

Sulfamethoxazole

Unit	µg/l
Assigned value ± U (k=2)	0.208 ± 0.0115
Criterion	0.0249 (12 %)
Minimum - Maximum	0.18 - 0.239
Control test value ± U (k=2)	0.245 ± 0.0367

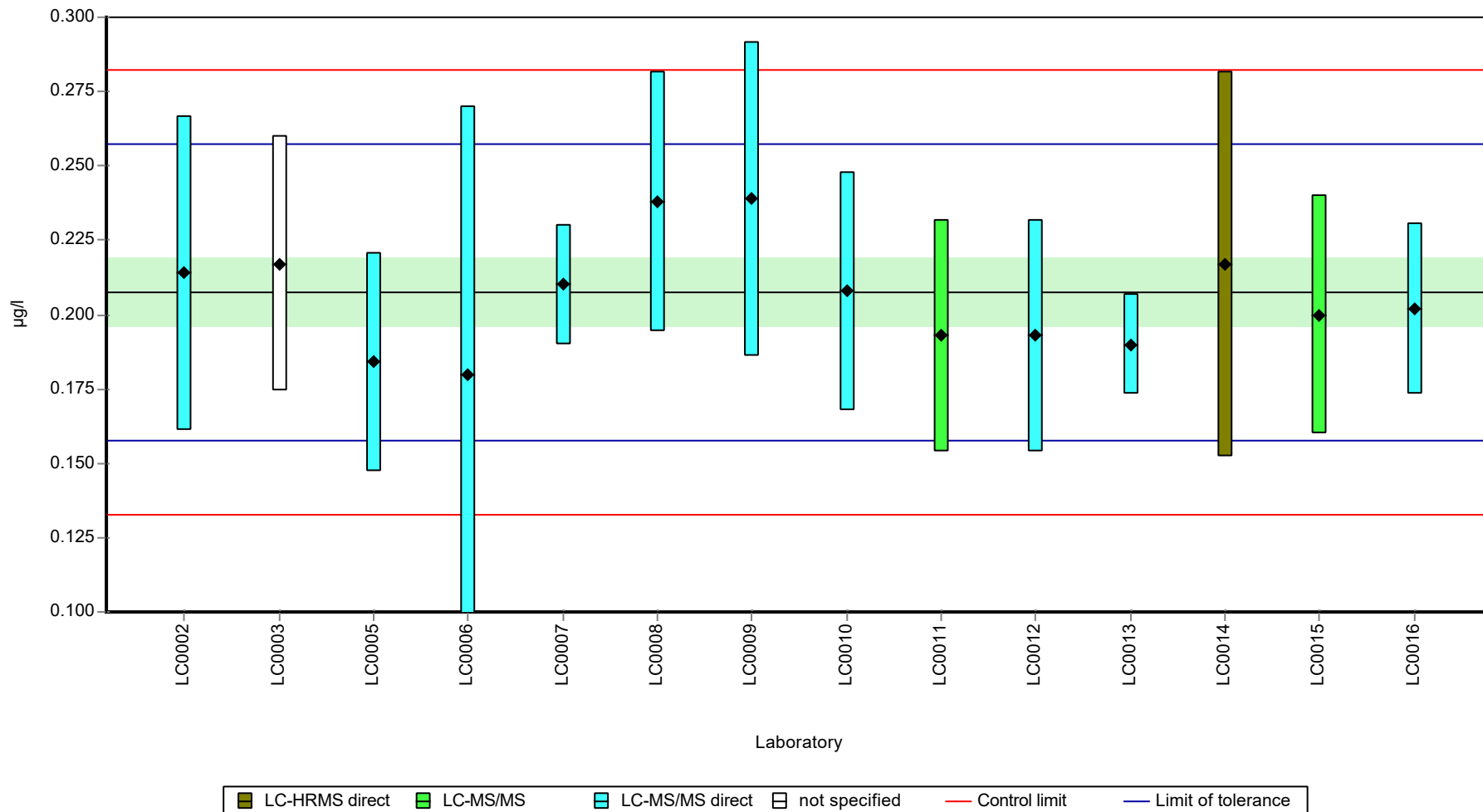
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	0.214	0.053	103	0.25	
LC0003	0.217	0.043	104	0.37	
LC0004	-	-	-	-	
LC0005	0.184	0.037	88.6	-0.95	
LC0006	0.18	0.09	86.7	-1.11	
LC0007	0.21	0.02	101	0.09	
LC0008	0.238	0.044	115	1.22	
LC0009	0.2388	0.053	115	1.25	
LC0010	0.2078	0.04	100	0.00	
LC0011	0.193	0.039	92.9	-0.59	
LC0012	0.193	0.039	92.9	-0.59	
LC0013	0.19	0.017	91.5	-0.71	
LC0014	0.217	0.065	104	0.37	
LC0015	0.2	0.04	96.3	-0.31	
LC0016	0.202	0.029	97.3	-0.23	

Characteristics of parameter

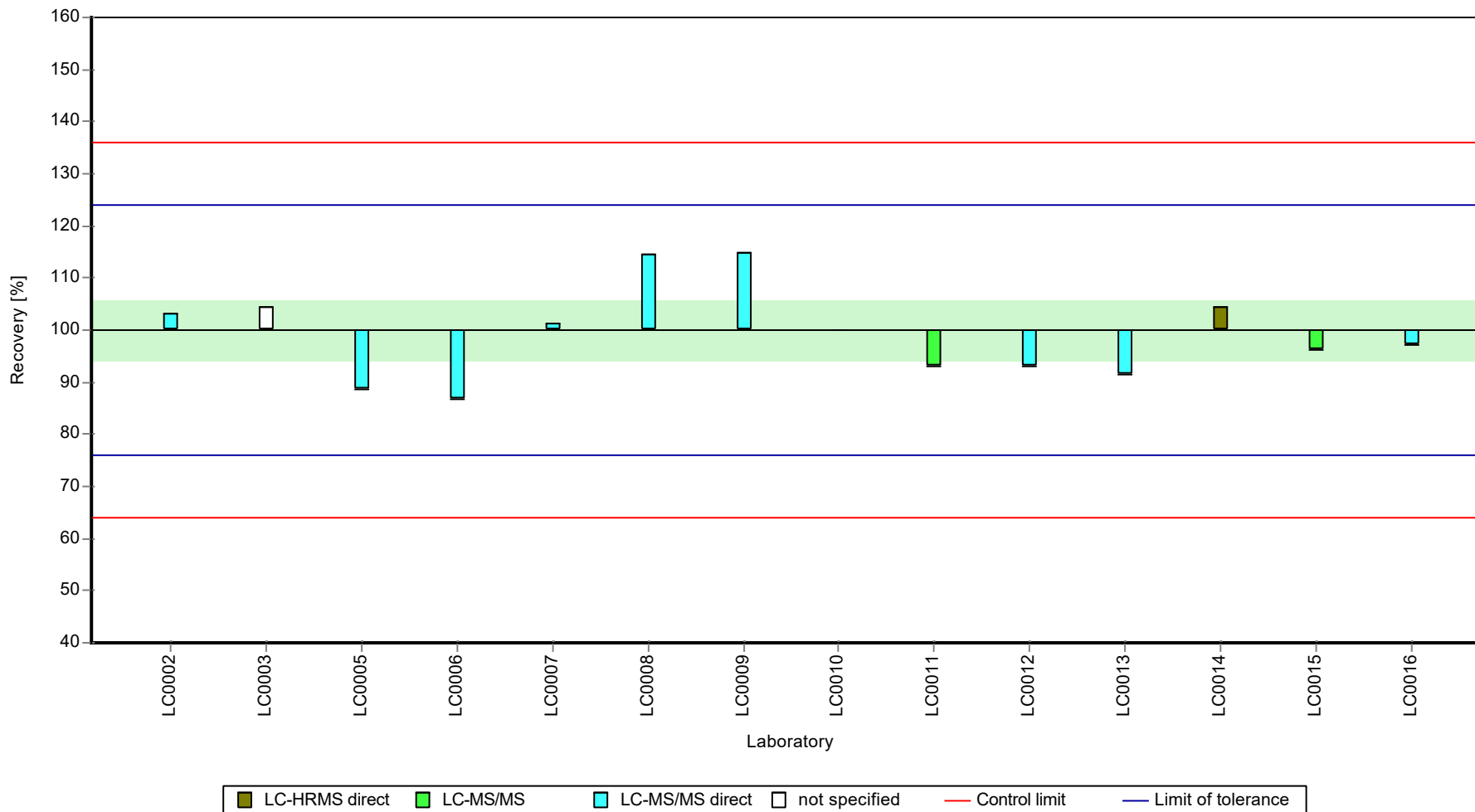
	all results	without outliers	Unit
Mean ± CI (99%)	0.206 ± 0.0145	0.206 ± 0.0145	µg/l
Minimum	0.18	0.18	µg/l
Maximum	0.239	0.239	µg/l
Standard deviation	0.018	0.018	µg/l
rel. standard deviation	8.76	8.76	%
n	14	14	-

Graphical presentation of results

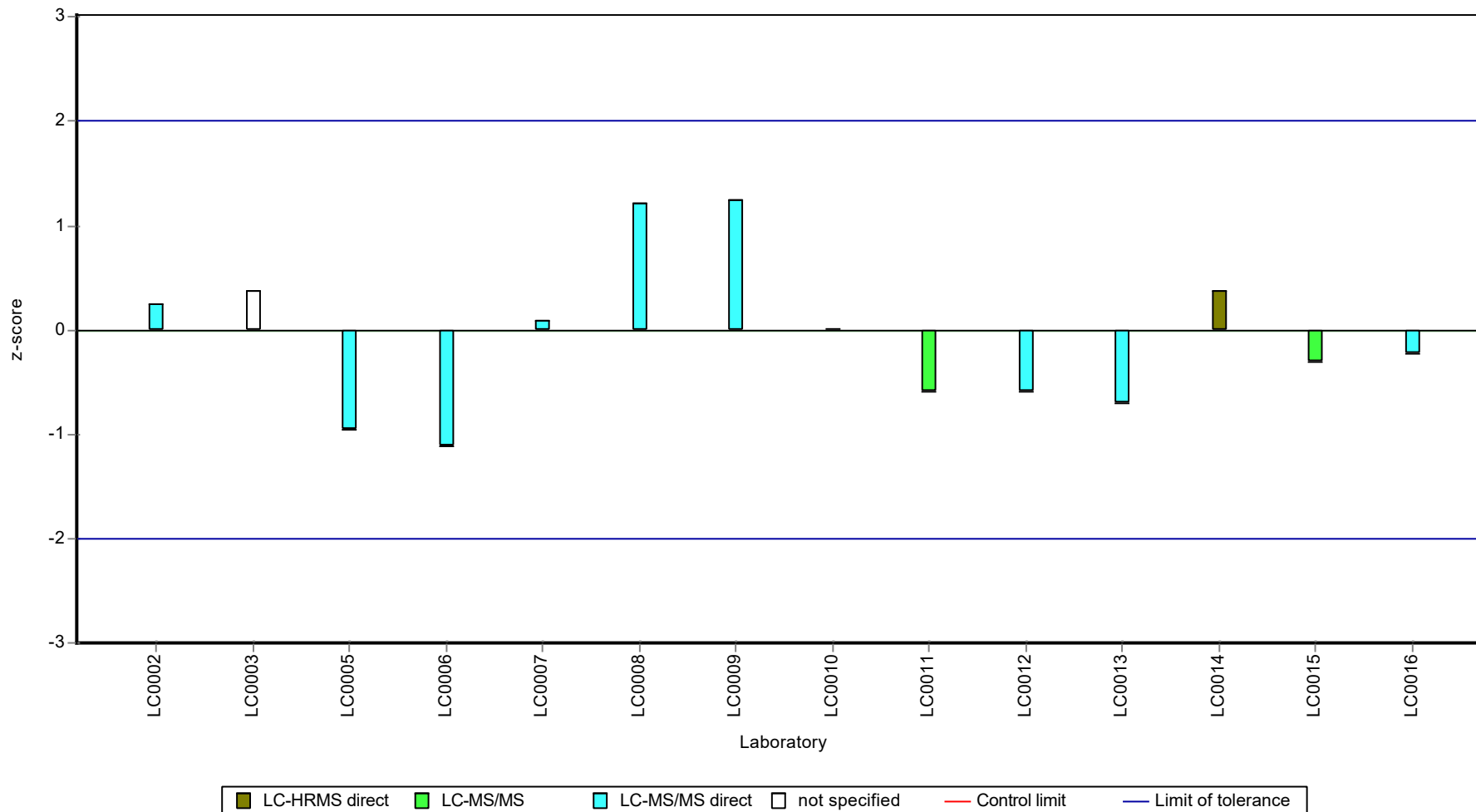
Results



Recovery rate



Z-score



Parameter oriented report

AZ7 B

Sulfamethoxazole

Unit	µg/l
Assigned value ± U (k=2)	0.0444 ± 0.00343
Criterion	0.00532 (12 %)
Minimum - Maximum	0.0295 - 0.05
Control test value ± U (k=2)	0.0284 ± 0.00426

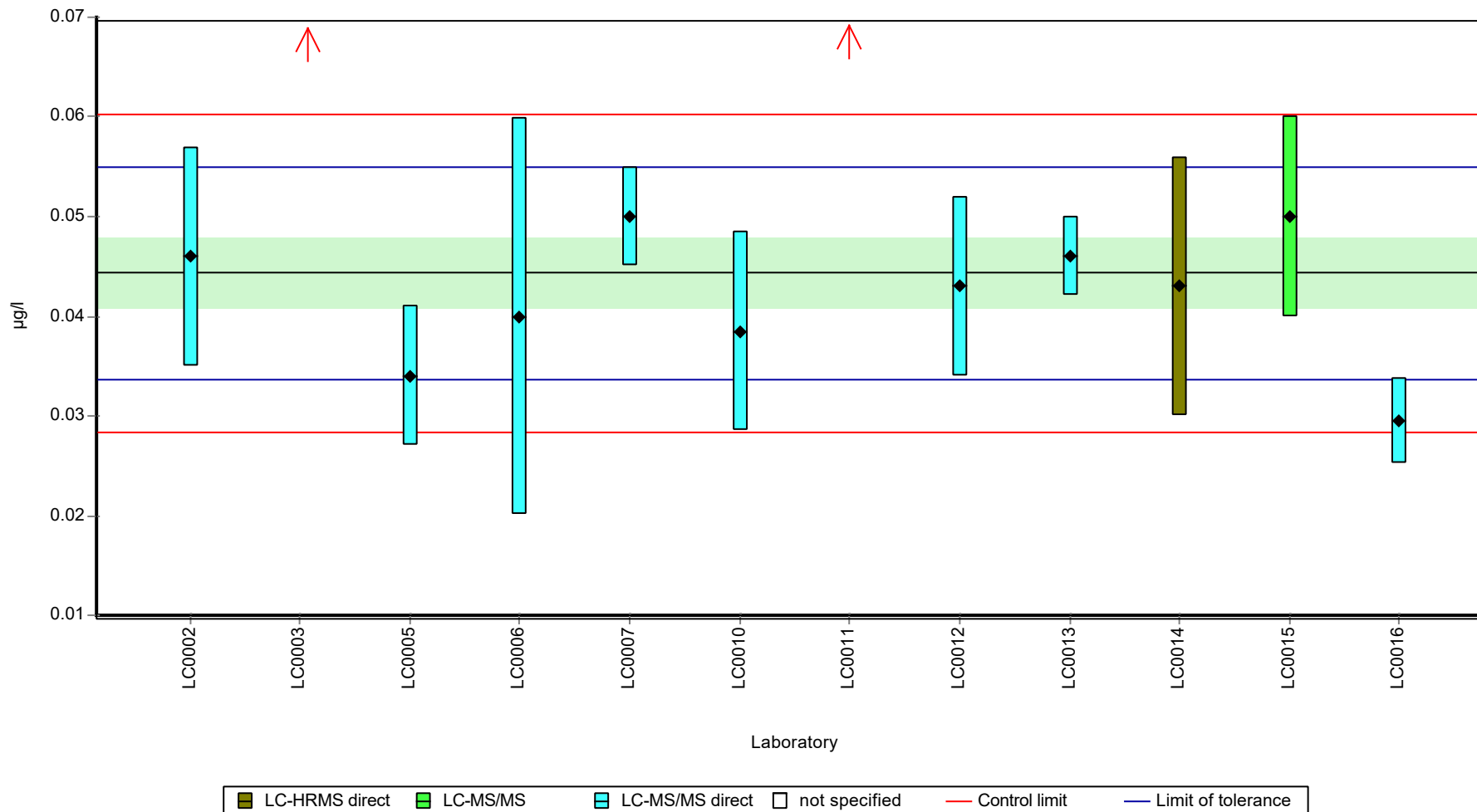
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	0.046	0.011	104	0.31	
LC0003	0.076	0.015	171	5.94	H
LC0004	-	-	-	-	
LC0005	0.034	0.007	76.7	-1.95	
LC0006	0.04	0.02	90.2	-0.82	
LC0007	0.05	0.005	113	1.06	
LC0008	-	-	-	-	
LC0009	< 0.05 (LOQ)	-	-	-	
LC0010	0.0385	0.01	86.8	-1.1	
LC0011	0.096	0.019	216	9.7	H
LC0012	0.043	0.009	96.9	-0.26	
LC0013	0.046	0.004	104	0.31	
LC0014	0.043	0.013	96.9	-0.26	
LC0015	0.05	0.01	113	1.06	
LC0016	0.0295	0.0043	66.5	-2.79	

Characteristics of parameter

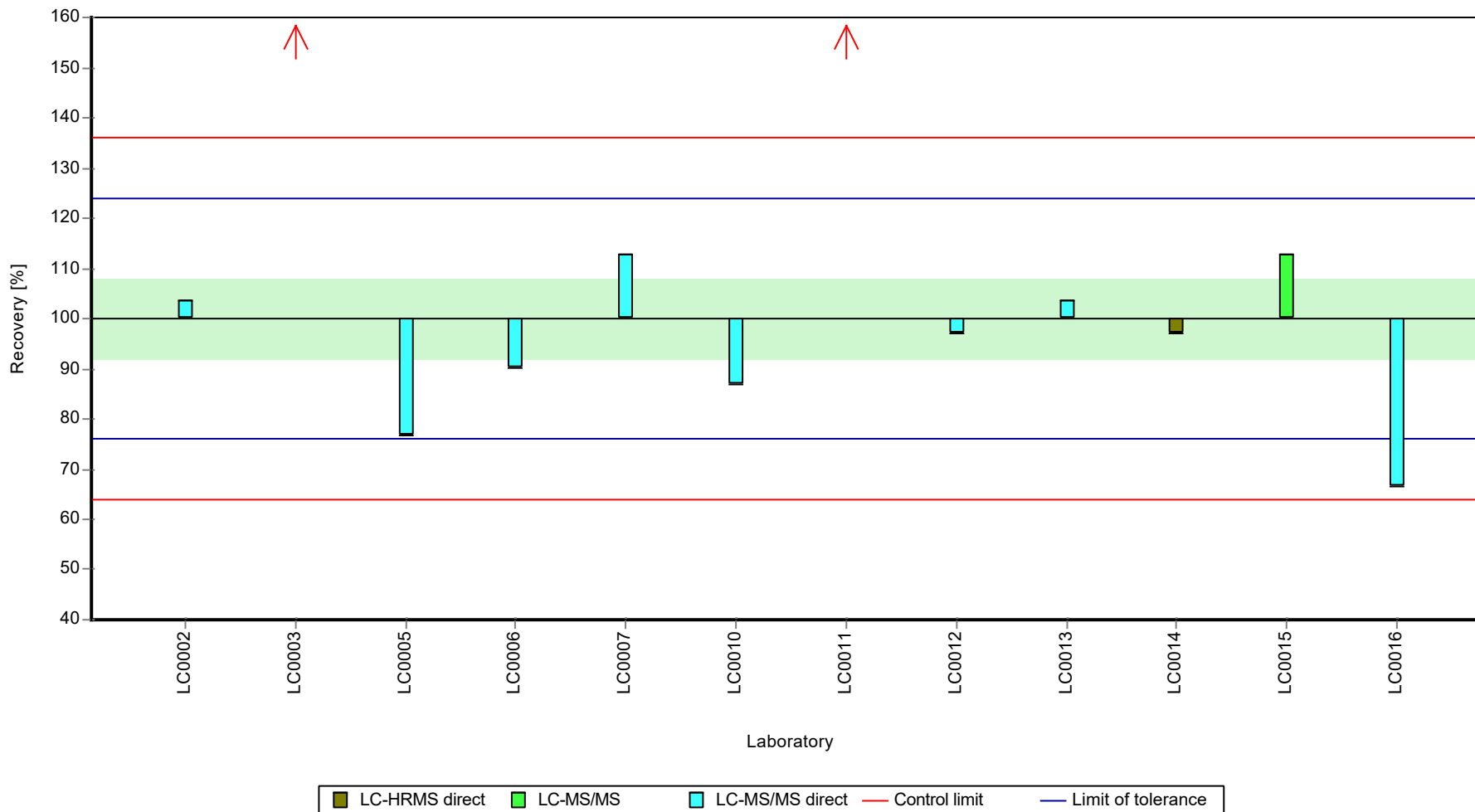
	all results	without outliers	Unit
Mean ± CI (99%)	0.0493 ± 0.0161	0.042 ± 0.00631	µg/l
Minimum	0.0295	0.0295	µg/l
Maximum	0.096	0.05	µg/l
Standard deviation	0.0186	0.00665	µg/l
rel. standard deviation	37.8	15.8 %	
n	12	10	-

Graphical presentation of results

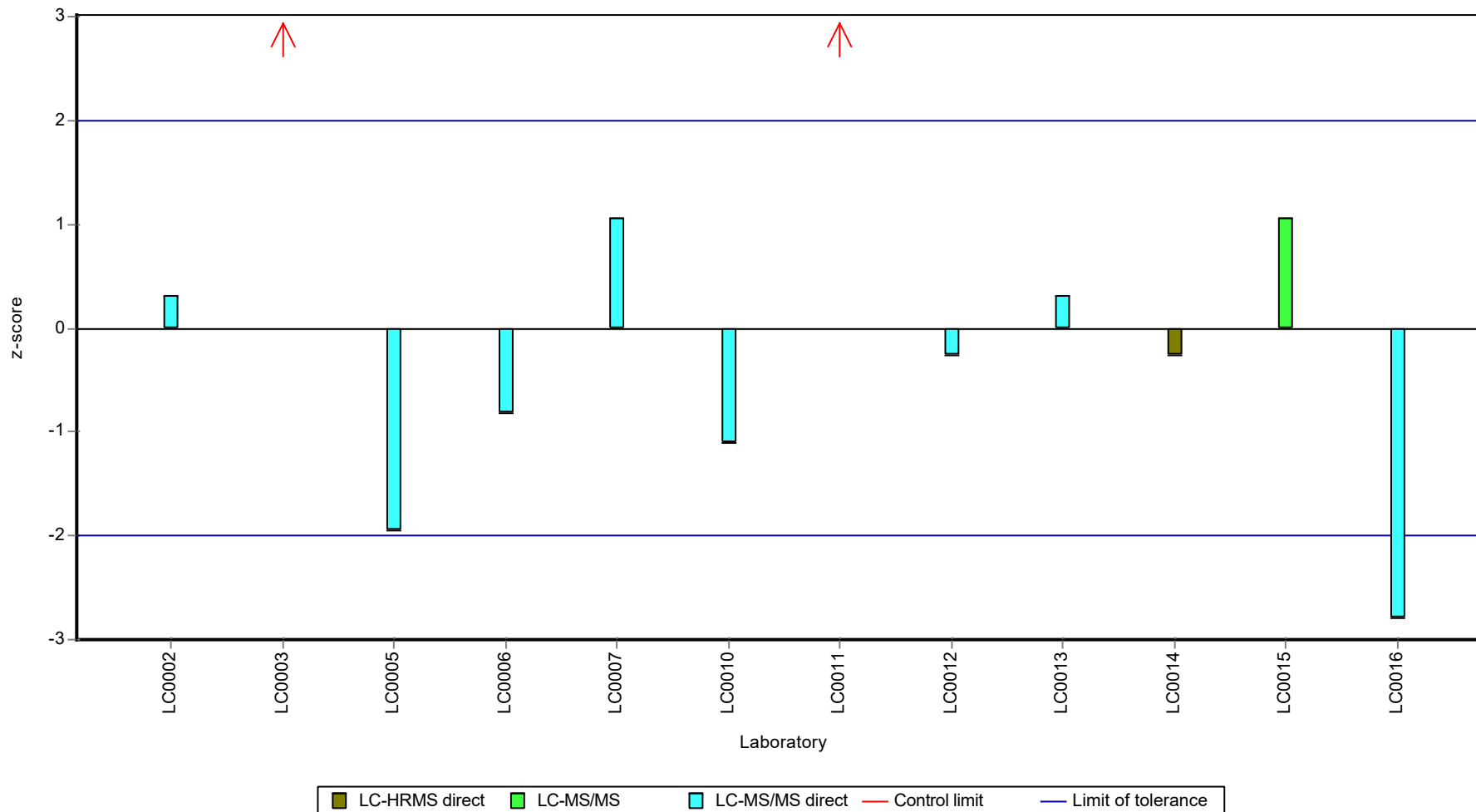
Results



Recovery rate



Z-score



E8. Labororientierte Auswertung / Laboratory oriented report

The laboratory oriented report is sorted by laboratory code.

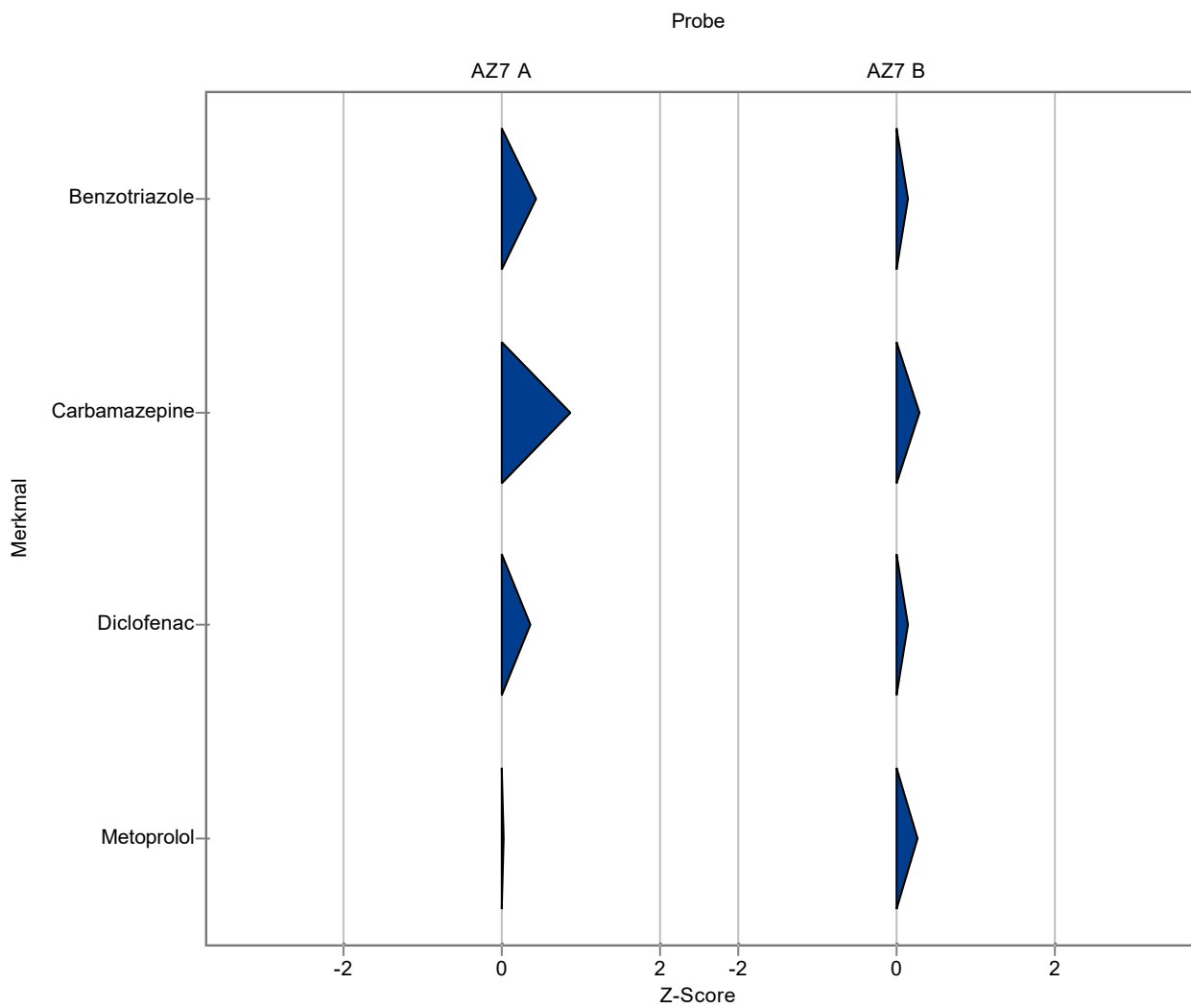
Sample: AZ7A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	µg/l	0.0407 ± 0.00447	- ± -	0.0067	-	-
4-Formylaminoantipyrine	µg/l	0.249 ± 0.0291	- ± -	0.0385	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	0.0843 ± 0.0124	- ± -	0.0175	-	-
Acesulfame	µg/l	0.0657 ± 0.00386	- ± -	0.0112	-	-
Amidotrizoic acid	µg/l	0.464 ± 0.0635	- ± -	0.0876	-	-
Atenolol	µg/l	0.316 ± 0.0247	- ± -	0.0349	-	-
Benzotriazole	µg/l	0.147 ± 0.00852	0.155 ± 0.012	0.0177	105	0.44
Bisoprolol	µg/l	- ± -	- ± -	-	-	-
Carbamazepine	µg/l	0.301 ± 0.0116	0.335 ± 0.028	0.0391	111	0.88
Cyclamate	µg/l	0.0311 ± 0.00459	- ± -	0.00533	-	-
Diazepam	µg/l	- ± -	- ± -	-	-	-
Diclofenac	µg/l	0.229 ± 0.0172	0.241 ± 0.027	0.0321	105	0.37
Ibuprofen	µg/l	0.272 ± 0.0143	- ± -	0.0226	-	-
Iopamidol	µg/l	0.314 ± 0.0414	- ± -	0.0687	-	-
Metoprolol	µg/l	0.147 ± 0.0105	0.148 ± 0.01	0.0368	100	0.02
Saccharin	µg/l	- ± -	- ± -	-	-	-
Sotalol	µg/l	0.167 ± 0.0145	- ± -	0.0368	-	-
Sucralose	µg/l	0.337 ± 0.0483	- ± -	0.101	-	-
Sulfamethoxazole	µg/l	0.208 ± 0.0115	- ± -	0.0249	-	-

Sample: AZ7B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	µg/l	4.4 ± 0.419	- ± -	0.592	-	-
4-Formylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	1.06 ± 0.194	- ± -	0.258	-	-
Acesulfame	µg/l	1.97 ± 0.102	- ± -	0.336	-	-
Amidotrizoic acid	µg/l	1.09 ± 0.223	- ± -	0.378	-	-
Atenolol	µg/l	0.377 ± 0.0648	- ± -	0.0792	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Benzotriazole	µg/l	11.1 ± 0.511	11.295 ± 0.904	1.33	102	0.14
Bisoprolol	µg/l	- ± -	- ± -	-	-	-
Carbamazepine	µg/l	0.426 ± 0.0317	0.443 ± 0.038	0.0554	104	0.30
Cyclamate	µg/l	0.276 ± 0.0279	- ± -	0.0369	-	-
Diazepam	µg/l	0.382 ± 0.0467	- ± -	0.0618	-	-
Diclofenac	µg/l	2.84 ± 0.103	2.896 ± 0.319	0.398	102	0.14
Ibuprofen	µg/l	0.0835 ± 0.00942	- ± -	0.0117	-	-
Iopamidol	µg/l	32.8 ± 7.95	- ± -	11.3	-	-
Metoprolol	µg/l	0.235 ± 0.0183	0.251 ± 0.017	0.0587	107	0.28
Saccharin	µg/l	1.39 ± 0.0833	- ± -	0.306	-	-
Sotalol	µg/l	0.206 ± 0.0241	- ± -	0.0452	-	-
Sucralose	µg/l	- ± -	- ± -	-	-	-
Sulfamethoxazole	µg/l	0.0444 ± 0.00343	- ± -	0.00532	-	-



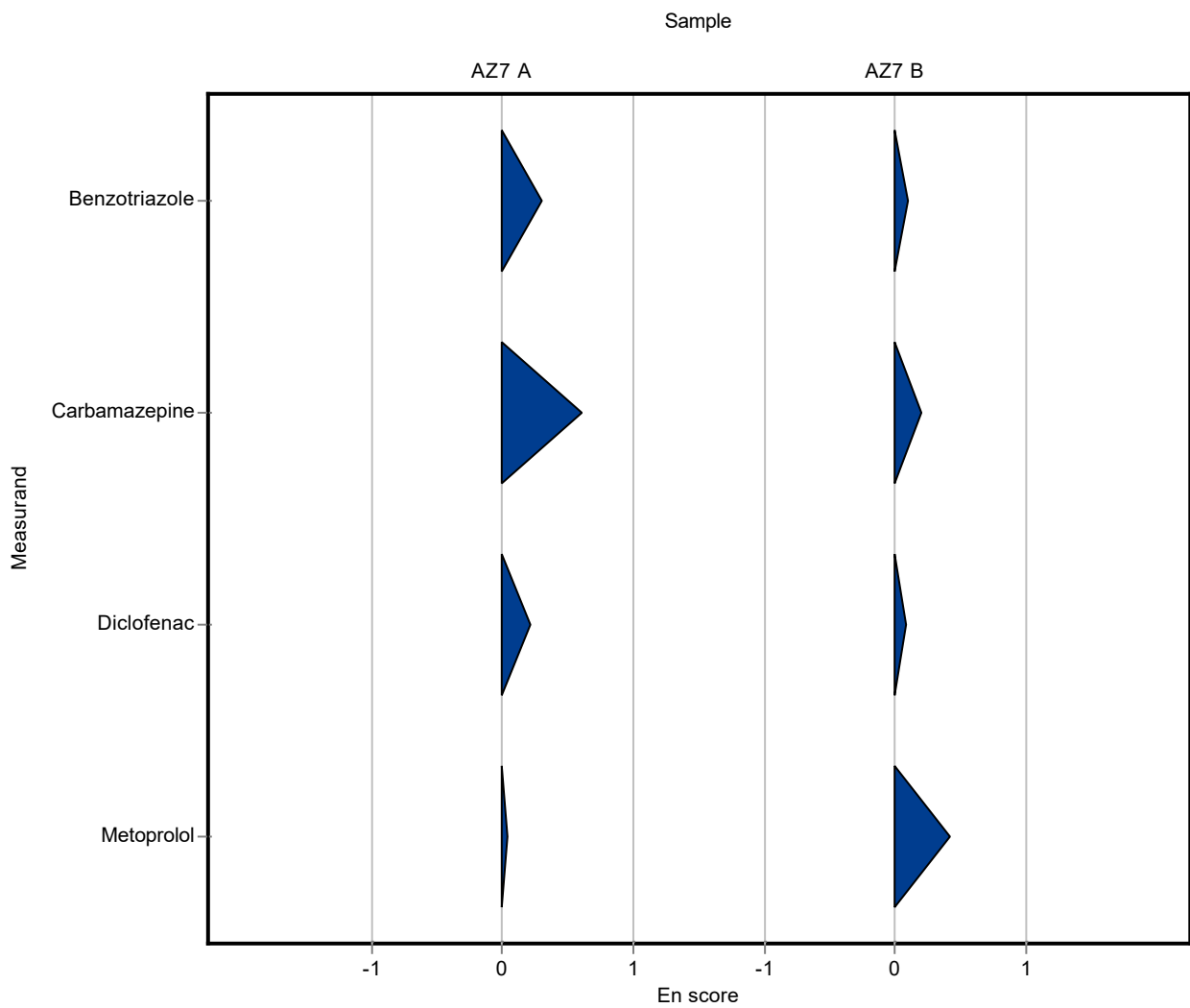
Sample: AZ7A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	µg/l	0.0407 ± 0.00447	- ± -	0.0067	-	-
4-Formylaminoantipyrine	µg/l	0.249 ± 0.0291	- ± -	0.0385	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	0.0843 ± 0.0124	- ± -	0.0175	-	-
Acesulfame	µg/l	0.0657 ± 0.00386	- ± -	0.0112	-	-
Amidotrizoic acid	µg/l	0.464 ± 0.0635	- ± -	0.0876	-	-
Atenolol	µg/l	0.316 ± 0.0247	- ± -	0.0349	-	-
Benzotriazole	µg/l	0.147 ± 0.00852	0.155 ± 0.012	0.0177	105	0.30
Bisoprolol	µg/l	- ± -	- ± -	-	-	-
Carbamazepine	µg/l	0.301 ± 0.0116	0.335 ± 0.028	0.0391	111	0.60
Cyclamate	µg/l	0.0311 ± 0.00459	- ± -	0.00533	-	-
Diazepam	µg/l	- ± -	- ± -	-	-	-
Diclofenac	µg/l	0.229 ± 0.0172	0.241 ± 0.027	0.0321	105	0.21
Ibuprofen	µg/l	0.272 ± 0.0143	- ± -	0.0226	-	-
Iopamidol	µg/l	0.314 ± 0.0414	- ± -	0.0687	-	-
Metoprolol	µg/l	0.147 ± 0.0105	0.148 ± 0.01	0.0368	100	0.03
Saccharin	µg/l	- ± -	- ± -	-	-	-
Sotalol	µg/l	0.167 ± 0.0145	- ± -	0.0368	-	-
Sucralose	µg/l	0.337 ± 0.0483	- ± -	0.101	-	-
Sulfamethoxazole	µg/l	0.208 ± 0.0115	- ± -	0.0249	-	-

Sample: AZ7B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	µg/l	4.4 ± 0.419	- ± -	0.592	-	-
4-Formylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	1.06 ± 0.194	- ± -	0.258	-	-
Acesulfame	µg/l	1.97 ± 0.102	- ± -	0.336	-	-
Amidotrizoic acid	µg/l	1.09 ± 0.223	- ± -	0.378	-	-
Atenolol	µg/l	0.377 ± 0.0648	- ± -	0.0792	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Benzotriazole	µg/l	11.1 ± 0.511	11.295 ± 0.904	1.33	102	0.10
Bisoprolol	µg/l	- ± -	- ± -	-	-	-
Carbamazepine	µg/l	0.426 ± 0.0317	0.443 ± 0.038	0.0554	104	0.20
Cyclamate	µg/l	0.276 ± 0.0279	- ± -	0.0369	-	-
Diazepam	µg/l	0.382 ± 0.0467	- ± -	0.0618	-	-
Diclofenac	µg/l	2.84 ± 0.103	2.896 ± 0.319	0.398	102	0.09
Ibuprofen	µg/l	0.0835 ± 0.00942	- ± -	0.0117	-	-
Iopamidol	µg/l	32.8 ± 7.95	- ± -	11.3	-	-
Metoprolol	µg/l	0.235 ± 0.0183	0.251 ± 0.017	0.0587	107	0.42
Saccharin	µg/l	1.39 ± 0.0833	- ± -	0.306	-	-
Sotalol	µg/l	0.206 ± 0.0241	- ± -	0.0452	-	-
Sucralose	µg/l	- ± -	- ± -	-	-	-
Sulfamethoxazole	µg/l	0.0444 ± 0.00343	- ± -	0.00532	-	-



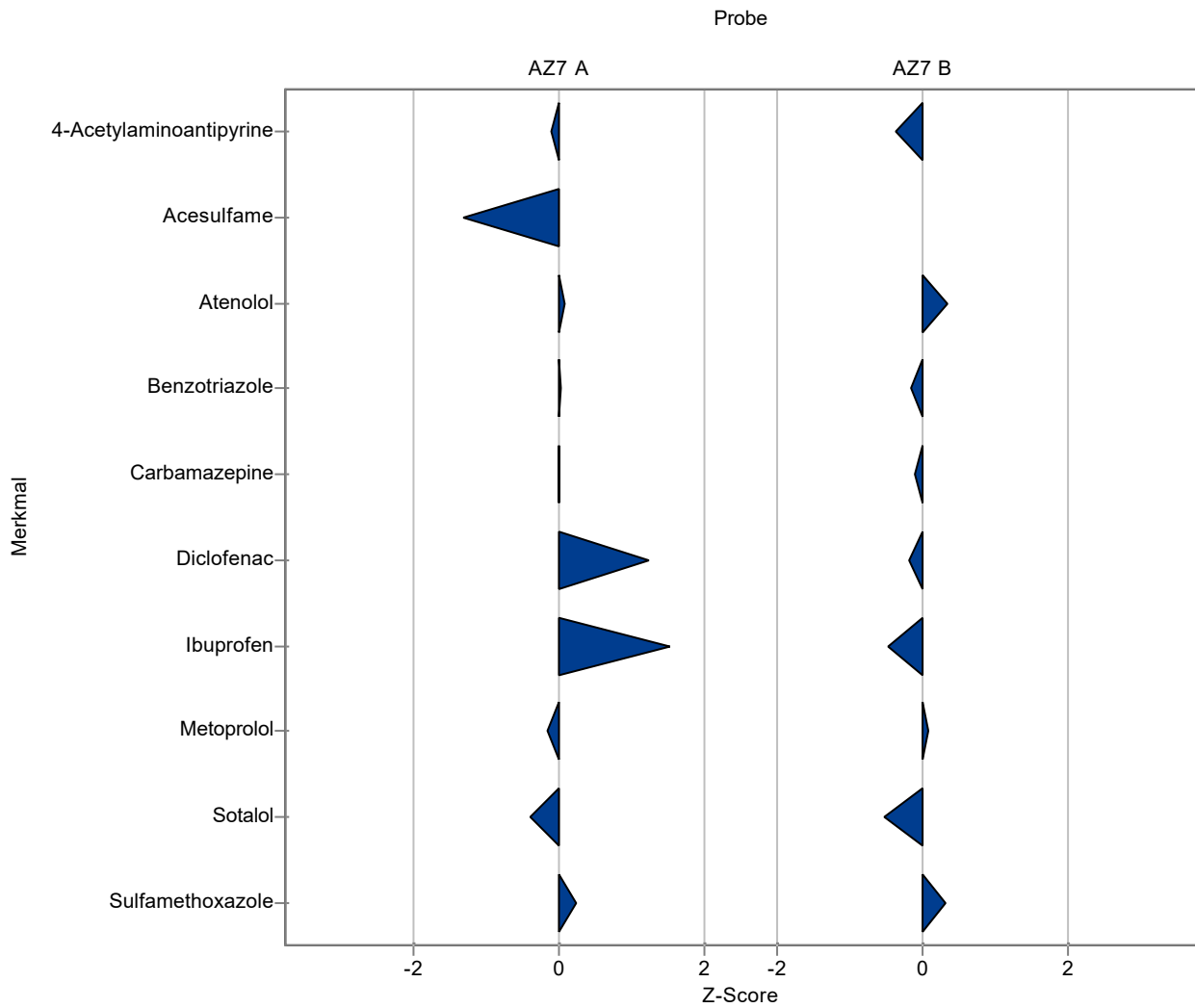
Sample: AZ7A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	µg/l	0.0407 ± 0.00447	0.04 ± 0.01	0.0067	98.3	-0.10
4-Formylaminoantipyrine	µg/l	0.249 ± 0.0291	- ± -	0.0385	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	0.0843 ± 0.0124	- ± -	0.0175	-	-
Acesulfame	µg/l	0.0657 ± 0.00386	0.051 ± 0.012	0.0112	77.6	-1.32
Amidotrizoic acid	µg/l	0.464 ± 0.0635	- ± -	0.0876	-	-
Atenolol	µg/l	0.316 ± 0.0247	0.319 ± 0.079	0.0349	101	0.09
Benzotriazole	µg/l	0.147 ± 0.00852	0.148 ± 0.035	0.0177	100	0.04
Bisoprolol	µg/l	- ± -	- ± -	-	-	-
Carbamazepine	µg/l	0.301 ± 0.0116	0.301 ± 0.075	0.0391	100	0.01
Cyclamate	µg/l	0.0311 ± 0.00459	- ± -	0.00533	-	-
Diazepam	µg/l	- ± -	- ± -	-	-	-
Diclofenac	µg/l	0.229 ± 0.0172	0.269 ± 0.055	0.0321	117	1.24
Ibuprofen	µg/l	0.272 ± 0.0143	0.306 ± 0.076	0.0226	113	1.52
Iopamidol	µg/l	0.314 ± 0.0414	- ± -	0.0687	-	-
Metoprolol	µg/l	0.147 ± 0.0105	0.142 ± 0.035	0.0368	96.4	-0.14
Saccharin	µg/l	- ± -	- ± -	-	-	-
Sotalol	µg/l	0.167 ± 0.0145	0.153 ± 0.038	0.0368	91.5	-0.39
Sucralose	µg/l	0.337 ± 0.0483	- ± -	0.101	-	-
Sulfamethoxazole	µg/l	0.208 ± 0.0115	0.214 ± 0.053	0.0249	103	0.25

Sample: AZ7B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	µg/l	4.4 ± 0.419	4.172 ± 0.8	0.592	94.9	-0.38
4-Formylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	1.06 ± 0.194	- ± -	0.258	-	-
Acesulfame	µg/l	1.97 ± 0.102	- ± -	0.336	-	-
Amidotrizoic acid	µg/l	1.09 ± 0.223	- ± -	0.378	-	-
Atenolol	µg/l	0.377 ± 0.0648	0.404 ± 0.1	0.0792	107	0.34

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Benzotriazole	µg/l	11.1 ± 0.511	10.89 ± 2.7	1.33	98	-0.17
Bisoprolol	µg/l	- ± -	- ± -	-	-	-
Carbamazepine	µg/l	0.426 ± 0.0317	0.42 ± 0.1	0.0554	98.5	-0.11
Cyclamate	µg/l	0.276 ± 0.0279	- ± -	0.0369	-	-
Diazepam	µg/l	0.382 ± 0.0467	- ± -	0.0618	-	-
Diclofenac	µg/l	2.84 ± 0.103	2.768 ± 0.69	0.398	97.4	-0.18
Ibuprofen	µg/l	0.0835 ± 0.00942	0.078 ± 0.02	0.0117	93.4	-0.47
Iopamidol	µg/l	32.8 ± 7.95	- ± -	11.3	-	-
Metoprolol	µg/l	0.235 ± 0.0183	0.239 ± 0.06	0.0587	102	0.07
Saccharin	µg/l	1.39 ± 0.0833	- ± -	0.306	-	-
Sotalol	µg/l	0.206 ± 0.0241	0.182 ± 0.046	0.0452	88.6	-0.52
Sucralose	µg/l	- ± -	- ± -	-	-	-
Sulfamethoxazole	µg/l	0.0444 ± 0.00343	0.046 ± 0.011	0.00532	104	0.31



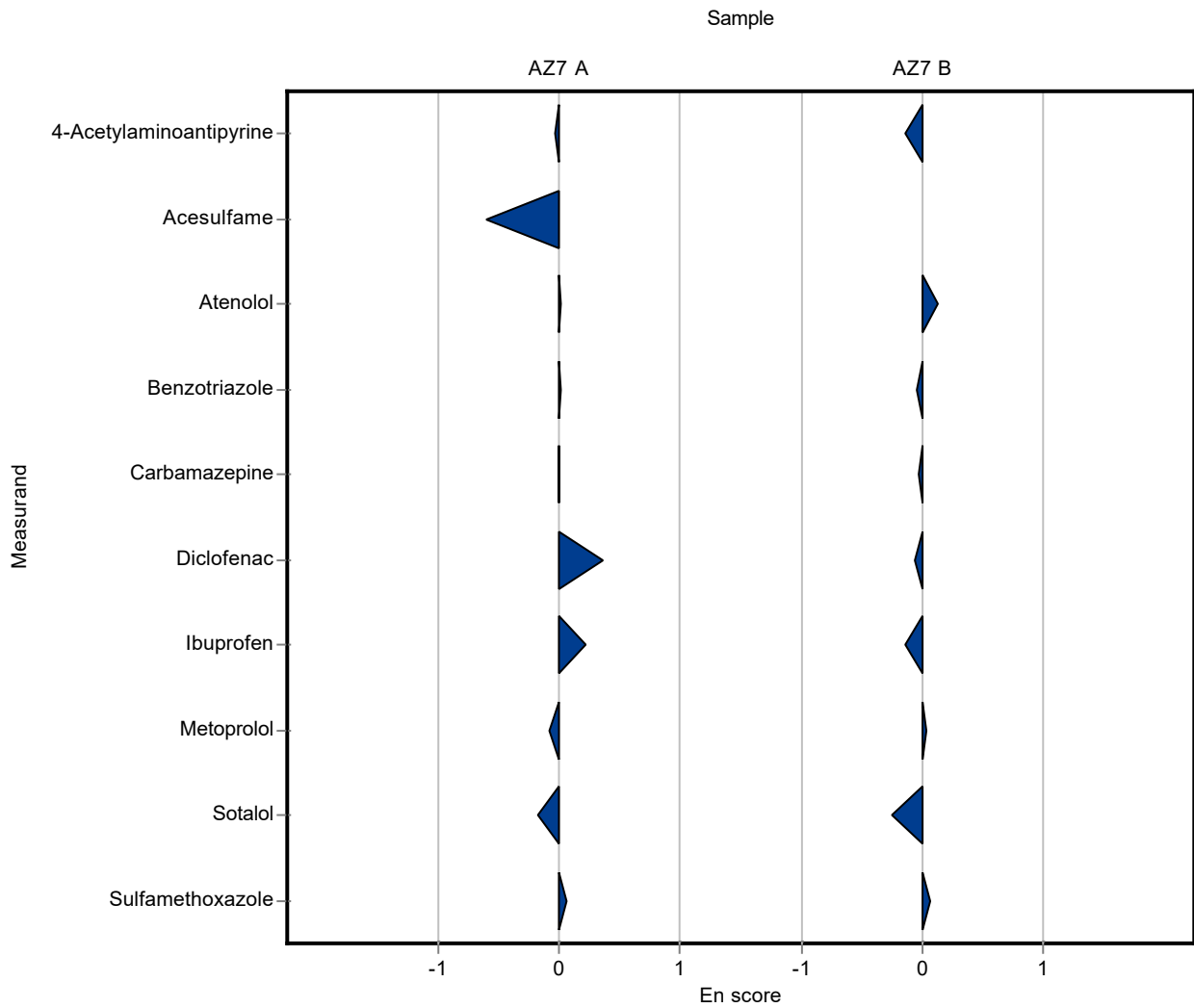
Sample: AZ7A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	µg/l	0.0407 ± 0.00447	0.04 ± 0.01	0.0067	98.3	-0.03
4-Formylaminoantipyrine	µg/l	0.249 ± 0.0291	- ± -	0.0385	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	0.0843 ± 0.0124	- ± -	0.0175	-	-
Acesulfame	µg/l	0.0657 ± 0.00386	0.051 ± 0.012	0.0112	77.6	-0.60
Amidotrizoic acid	µg/l	0.464 ± 0.0635	- ± -	0.0876	-	-
Atenolol	µg/l	0.316 ± 0.0247	0.319 ± 0.079	0.0349	101	0.02
Benzotriazole	µg/l	0.147 ± 0.00852	0.148 ± 0.035	0.0177	100	0.01
Bisoprolol	µg/l	- ± -	- ± -	-	-	-
Carbamazepine	µg/l	0.301 ± 0.0116	0.301 ± 0.075	0.0391	100	0.00
Cyclamate	µg/l	0.0311 ± 0.00459	- ± -	0.00533	-	-
Diazepam	µg/l	- ± -	- ± -	-	-	-
Diclofenac	µg/l	0.229 ± 0.0172	0.269 ± 0.055	0.0321	117	0.36
Ibuprofen	µg/l	0.272 ± 0.0143	0.306 ± 0.076	0.0226	113	0.23
Iopamidol	µg/l	0.314 ± 0.0414	- ± -	0.0687	-	-
Metoprolol	µg/l	0.147 ± 0.0105	0.142 ± 0.035	0.0368	96.4	-0.07
Saccharin	µg/l	- ± -	- ± -	-	-	-
Sotalol	µg/l	0.167 ± 0.0145	0.153 ± 0.038	0.0368	91.5	-0.18
Sucralose	µg/l	0.337 ± 0.0483	- ± -	0.101	-	-
Sulfamethoxazole	µg/l	0.208 ± 0.0115	0.214 ± 0.053	0.0249	103	0.06

Sample: AZ7B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	µg/l	4.4 ± 0.419	4.172 ± 0.8	0.592	94.9	-0.14
4-Formylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	1.06 ± 0.194	- ± -	0.258	-	-
Acesulfame	µg/l	1.97 ± 0.102	- ± -	0.336	-	-
Amidotrizoic acid	µg/l	1.09 ± 0.223	- ± -	0.378	-	-
Atenolol	µg/l	0.377 ± 0.0648	0.404 ± 0.1	0.0792	107	0.13

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Benzotriazole	µg/l	11.1 ± 0.511	10.89 ± 2.7	1.33	98	-0.04
Bisoprolol	µg/l	- ± -	- ± -	-	-	-
Carbamazepine	µg/l	0.426 ± 0.0317	0.42 ± 0.1	0.0554	98.5	-0.03
Cyclamate	µg/l	0.276 ± 0.0279	- ± -	0.0369	-	-
Diazepam	µg/l	0.382 ± 0.0467	- ± -	0.0618	-	-
Diclofenac	µg/l	2.84 ± 0.103	2.768 ± 0.69	0.398	97.4	-0.05
Ibuprofen	µg/l	0.0835 ± 0.00942	0.078 ± 0.02	0.0117	93.4	-0.13
Iopamidol	µg/l	32.8 ± 7.95	- ± -	11.3	-	-
Metoprolol	µg/l	0.235 ± 0.0183	0.239 ± 0.06	0.0587	102	0.03
Saccharin	µg/l	1.39 ± 0.0833	- ± -	0.306	-	-
Sotalol	µg/l	0.206 ± 0.0241	0.182 ± 0.046	0.0452	88.6	-0.25
Sucralose	µg/l	- ± -	- ± -	-	-	-
Sulfamethoxazole	µg/l	0.0444 ± 0.00343	0.046 ± 0.011	0.00532	104	0.07



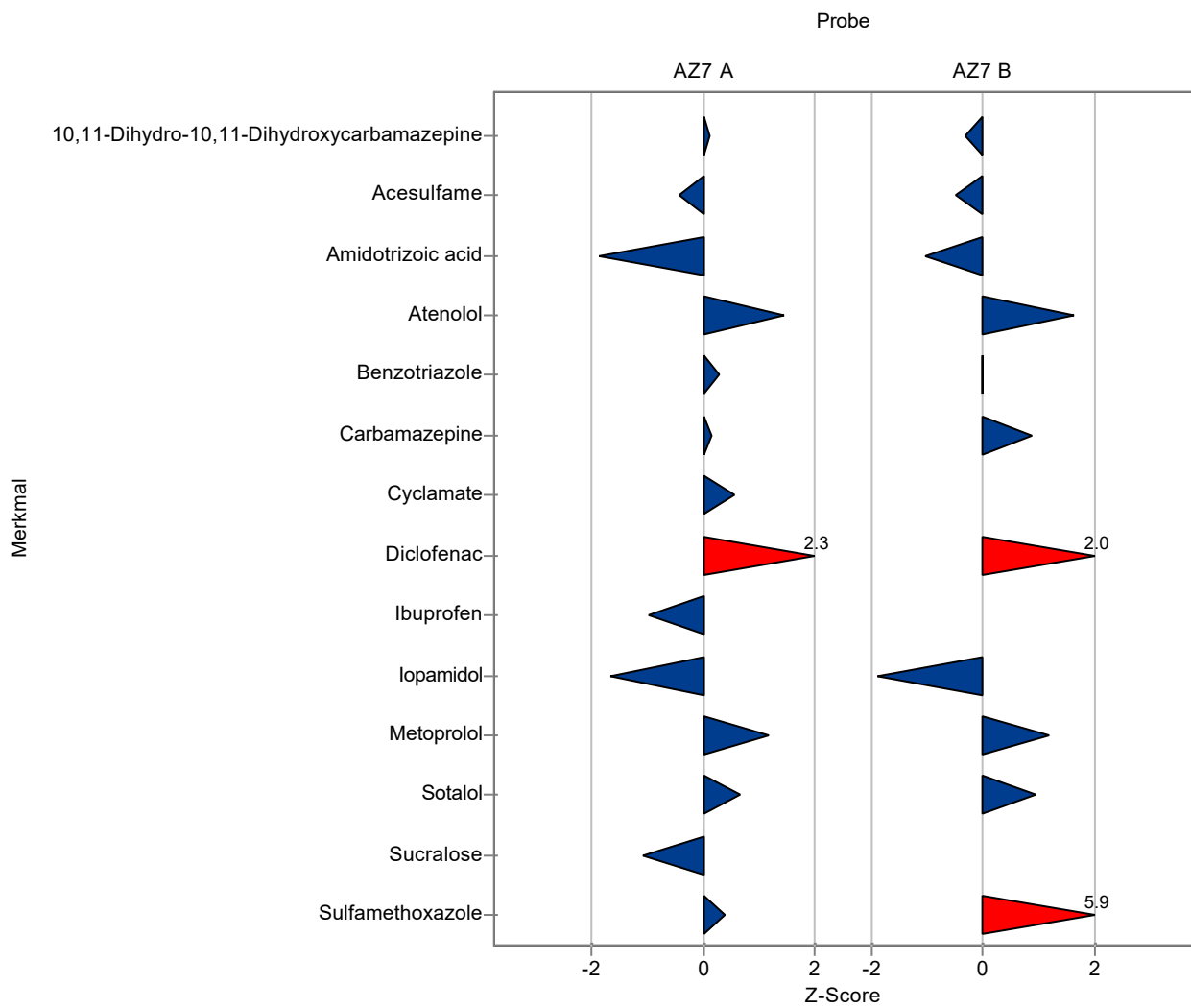
Sample: AZ7A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	µg/l	0.0407 ± 0.00447	- ± -	0.0067	-	-
4-Formylaminoantipyrine	µg/l	0.249 ± 0.0291	- ± -	0.0385	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	0.0843 ± 0.0124	0.086 ± 0.017	0.0175	102	0.10
Acesulfame	µg/l	0.0657 ± 0.00386	0.061 ± 0.012	0.0112	92.8	-0.42
Amidotrizoic acid	µg/l	0.464 ± 0.0635	0.301 ± 0.06	0.0876	64.9	-1.86
Atenolol	µg/l	0.316 ± 0.0247	0.366 ± 0.073	0.0349	116	1.43
Benzotriazole	µg/l	0.147 ± 0.00852	0.152 ± 0.03	0.0177	103	0.27
Bisoprolol	µg/l	- ± -	- ± -	-	-	-
Carbamazepine	µg/l	0.301 ± 0.0116	0.307 ± 0.061	0.0391	102	0.16
Cyclamate	µg/l	0.0311 ± 0.00459	0.034 ± 0.007	0.00533	109	0.54
Diazepam	µg/l	- ± -	- ± -	-	-	-
Diclofenac	µg/l	0.229 ± 0.0172	0.302 ± 0.06	0.0321	132	2.27
Ibuprofen	µg/l	0.272 ± 0.0143	0.249 ± 0.05	0.0226	91.7	-1.00
Iopamidol	µg/l	0.314 ± 0.0414	0.199 ± 0.04	0.0687	63.5	-1.67
Metoprolol	µg/l	0.147 ± 0.0105	0.19 ± 0.038	0.0368	129	1.16
Saccharin	µg/l	- ± -	- ± -	-	-	-
Sotalol	µg/l	0.167 ± 0.0145	0.191 ± 0.038	0.0368	114	0.65
Sucralose	µg/l	0.337 ± 0.0483	0.226 ± 0.045	0.101	67.1	-1.10
Sulfamethoxazole	µg/l	0.208 ± 0.0115	0.217 ± 0.043	0.0249	104	0.37

Sample: AZ7B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	µg/l	4.4 ± 0.419	- ± -	0.592	-	-
4-Formylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	1.06 ± 0.194	0.972 ± 0.194	0.258	92	-0.33
Acesulfame	µg/l	1.97 ± 0.102	1.81 ± 0.362	0.336	91.7	-0.49
Amidotrizoic acid	µg/l	1.09 ± 0.223	0.696 ± 0.139	0.378	64.1	-1.03
Atenolol	µg/l	0.377 ± 0.0648	0.506 ± 0.101	0.0792	134	1.62

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Benzotriazole	µg/l	11.1 ± 0.511	11.1 ± 2.2	1.33	99.9	-0.01
Bisoprolol	µg/l	- ± -	- ± -	-	-	-
Carbamazepine	µg/l	0.426 ± 0.0317	0.475 ± 0.095	0.0554	111	0.88
Cyclamate	µg/l	0.276 ± 0.0279	<0.02 (LOQ) ± -	0.0369	-	-
Diazepam	µg/l	0.382 ± 0.0467	- ± -	0.0618	-	-
Diclofenac	µg/l	2.84 ± 0.103	3.65 ± 0.73	0.398	128	2.04
Ibuprofen	µg/l	0.0835 ± 0.00942	<0.05 (LOQ) ± -	0.0117	-	-
lopidamol	µg/l	32.8 ± 7.95	11.4 ± 2.29	11.3	34.7	-1.89
Metoprolol	µg/l	0.235 ± 0.0183	0.305 ± 0.061	0.0587	130	1.19
Saccharin	µg/l	1.39 ± 0.0833	- ± -	0.306	-	-
Sotalol	µg/l	0.206 ± 0.0241	0.248 ± 0.05	0.0452	121	0.94
Sucralose	µg/l	- ± -	6.52 ± 1.3	-	-	-
Sulfamethoxazole	µg/l	0.0444 ± 0.00343	0.076 ± 0.015	0.00532	171	5.94



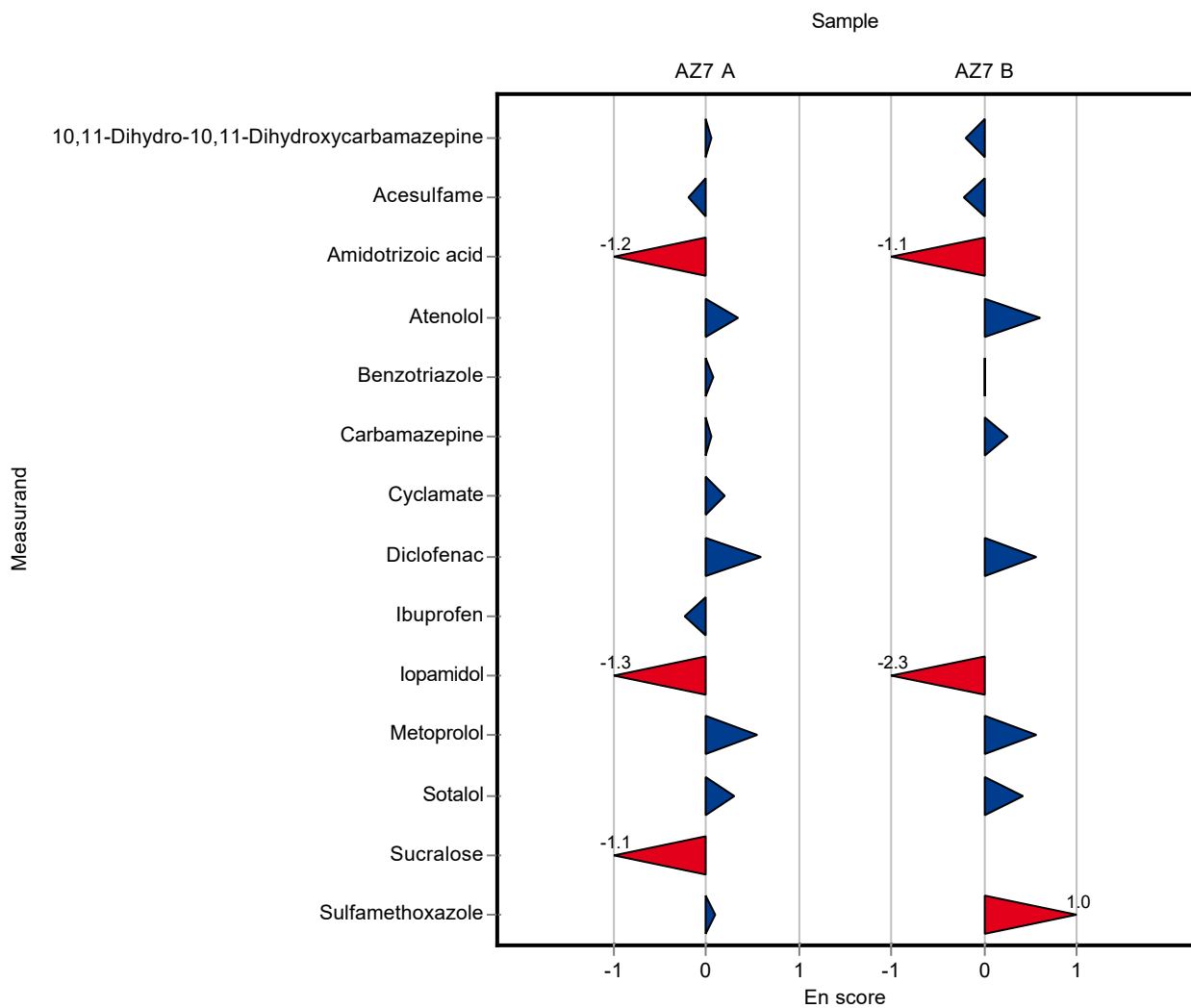
Sample: AZ7A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	µg/l	0.0407 ± 0.00447	- ± -	0.0067	-	-
4-Formylaminoantipyrine	µg/l	0.249 ± 0.0291	- ± -	0.0385	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	0.0843 ± 0.0124	0.086 ± 0.017	0.0175	102	0.05
Acesulfame	µg/l	0.0657 ± 0.00386	0.061 ± 0.012	0.0112	92.8	-0.19
Amidotrizoic acid	µg/l	0.464 ± 0.0635	0.301 ± 0.06	0.0876	64.9	-1.20
Atenolol	µg/l	0.316 ± 0.0247	0.366 ± 0.073	0.0349	116	0.34
Benzotriazole	µg/l	0.147 ± 0.00852	0.152 ± 0.03	0.0177	103	0.08
Bisoprolol	µg/l	- ± -	- ± -	-	-	-
Carbamazepine	µg/l	0.301 ± 0.0116	0.307 ± 0.061	0.0391	102	0.05
Cyclamate	µg/l	0.0311 ± 0.00459	0.034 ± 0.007	0.00533	109	0.20
Diazepam	µg/l	- ± -	- ± -	-	-	-
Diclofenac	µg/l	0.229 ± 0.0172	0.302 ± 0.06	0.0321	132	0.60
Ibuprofen	µg/l	0.272 ± 0.0143	0.249 ± 0.05	0.0226	91.7	-0.22
Iopamidol	µg/l	0.314 ± 0.0414	0.199 ± 0.04	0.0687	63.5	-1.27
Metoprolol	µg/l	0.147 ± 0.0105	0.19 ± 0.038	0.0368	129	0.56
Saccharin	µg/l	- ± -	- ± -	-	-	-
Sotalol	µg/l	0.167 ± 0.0145	0.191 ± 0.038	0.0368	114	0.31
Sucralose	µg/l	0.337 ± 0.0483	0.226 ± 0.045	0.101	67.1	-1.08
Sulfamethoxazole	µg/l	0.208 ± 0.0115	0.217 ± 0.043	0.0249	104	0.11

Sample: AZ7B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	µg/l	4.4 ± 0.419	- ± -	0.592	-	-
4-Formylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	1.06 ± 0.194	0.972 ± 0.194	0.258	92	-0.19
Acesulfame	µg/l	1.97 ± 0.102	1.81 ± 0.362	0.336	91.7	-0.23
Amidotrizoic acid	µg/l	1.09 ± 0.223	0.696 ± 0.139	0.378	64.1	-1.09
Atenolol	µg/l	0.377 ± 0.0648	0.506 ± 0.101	0.0792	134	0.61

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Benzotriazole	µg/l	11.1 ± 0.511	11.1 ± 2.2	1.33	99.9	0.00
Bisoprolol	µg/l	- ± -	- ± -	-	-	-
Carbamazepine	µg/l	0.426 ± 0.0317	0.475 ± 0.095	0.0554	111	0.25
Cyclamate	µg/l	0.276 ± 0.0279	<0.02 (LOQ) ± -	0.0369	-	-
Diazepam	µg/l	0.382 ± 0.0467	- ± -	0.0618	-	-
Diclofenac	µg/l	2.84 ± 0.103	3.65 ± 0.73	0.398	128	0.55
Ibuprofen	µg/l	0.0835 ± 0.00942	<0.05 (LOQ) ± -	0.0117	-	-
Iopamidol	µg/l	32.8 ± 7.95	11.4 ± 2.29	11.3	34.7	-2.34
Metoprolol	µg/l	0.235 ± 0.0183	0.305 ± 0.061	0.0587	130	0.57
Saccharin	µg/l	1.39 ± 0.0833	- ± -	0.306	-	-
Sotalol	µg/l	0.206 ± 0.0241	0.248 ± 0.05	0.0452	121	0.41
Sucralose	µg/l	- ± -	6.52 ± 1.3	-	-	-
Sulfamethoxazole	µg/l	0.0444 ± 0.00343	0.076 ± 0.015	0.00532	171	1.05



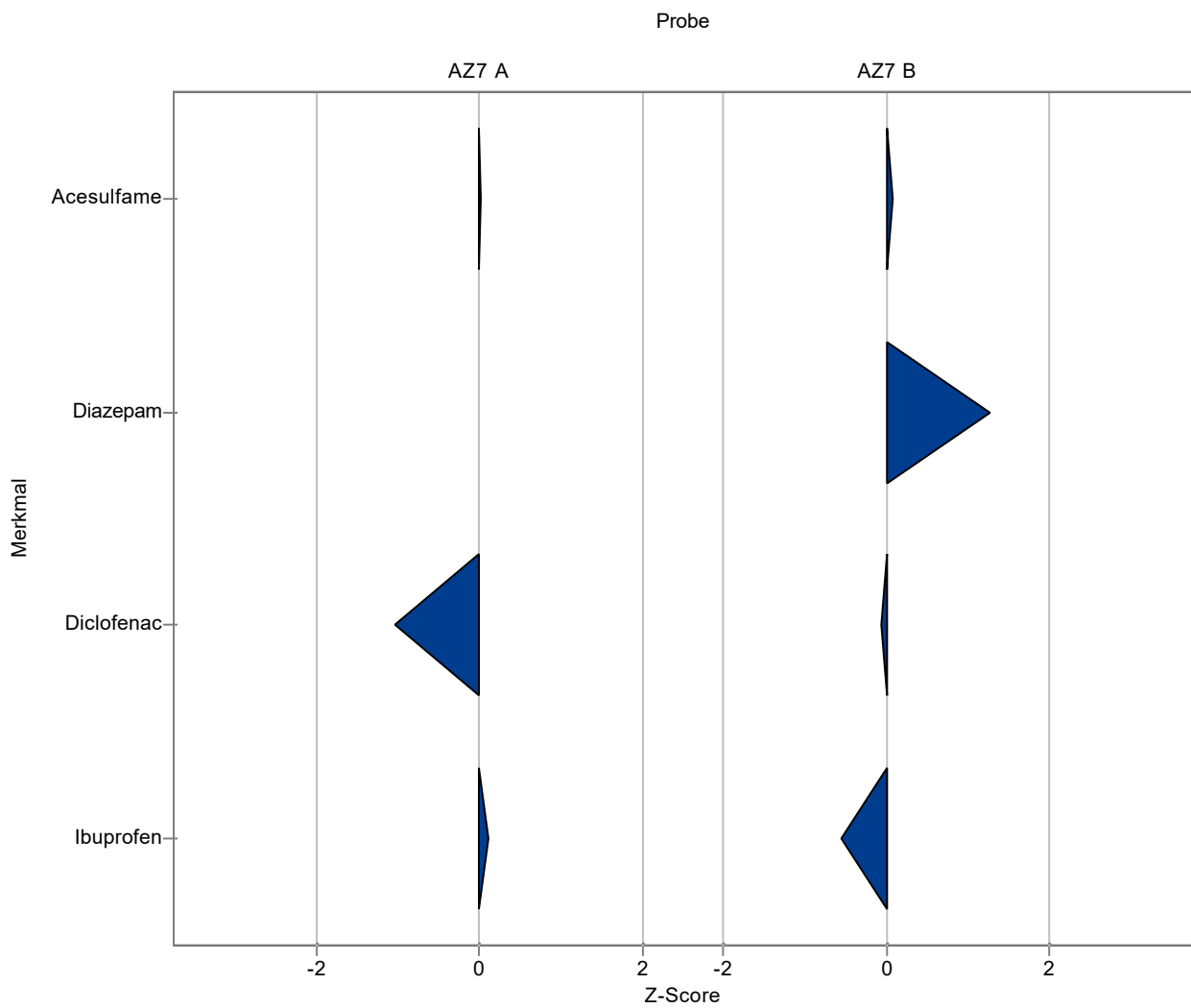
Sample: AZ7A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	µg/l	0.0407 ± 0.00447	- ± -	0.0067	-	-
4-Formylaminoantipyrine	µg/l	0.249 ± 0.0291	- ± -	0.0385	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	0.0843 ± 0.0124	- ± -	0.0175	-	-
Acesulfame	µg/l	0.0657 ± 0.00386	0.066 ± 0.01	0.0112	100	0.03
Amidotrizoic acid	µg/l	0.464 ± 0.0635	- ± -	0.0876	-	-
Atenolol	µg/l	0.316 ± 0.0247	- ± -	0.0349	-	-
Benzotriazole	µg/l	0.147 ± 0.00852	- ± -	0.0177	-	-
Bisoprolol	µg/l	- ± -	- ± -	-	-	-
Carbamazepine	µg/l	0.301 ± 0.0116	- ± -	0.0391	-	-
Cyclamate	µg/l	0.0311 ± 0.00459	- ± -	0.00533	-	-
Diazepam	µg/l	- ± -	<0.03 (LOQ) ± -	-	-	-
Diclofenac	µg/l	0.229 ± 0.0172	0.196 ± 0.029	0.0321	85.5	-1.03
Ibuprofen	µg/l	0.272 ± 0.0143	0.274 ± 0.041	0.0226	101	0.10
Iopamidol	µg/l	0.314 ± 0.0414	- ± -	0.0687	-	-
Metoprolol	µg/l	0.147 ± 0.0105	- ± -	0.0368	-	-
Saccharin	µg/l	- ± -	- ± -	-	-	-
Sotalol	µg/l	0.167 ± 0.0145	- ± -	0.0368	-	-
Sucralose	µg/l	0.337 ± 0.0483	- ± -	0.101	-	-
Sulfamethoxazole	µg/l	0.208 ± 0.0115	- ± -	0.0249	-	-

Sample: AZ7B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	µg/l	4.4 ± 0.419	- ± -	0.592	-	-
4-Formylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	1.06 ± 0.194	- ± -	0.258	-	-
Acesulfame	µg/l	1.97 ± 0.102	2 ± 0.3	0.336	101	0.07
Amidotrizoic acid	µg/l	1.09 ± 0.223	- ± -	0.378	-	-
Atenolol	µg/l	0.377 ± 0.0648	- ± -	0.0792	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Benzotriazole	µg/l	11.1 ± 0.511	- ± -	1.33	-	-
Bisoprolol	µg/l	- ± -	- ± -	-	-	-
Carbamazepine	µg/l	0.426 ± 0.0317	- ± -	0.0554	-	-
Cyclamate	µg/l	0.276 ± 0.0279	- ± -	0.0369	-	-
Diazepam	µg/l	0.382 ± 0.0467	0.46 ± 0.07	0.0618	120	1.26
Diclofenac	µg/l	2.84 ± 0.103	2.81 ± 0.422	0.398	98.9	-0.08
Ibuprofen	µg/l	0.0835 ± 0.00942	0.077 ± 0.012	0.0117	92.2	-0.56
Iopamidol	µg/l	32.8 ± 7.95	- ± -	11.3	-	-
Metoprolol	µg/l	0.235 ± 0.0183	- ± -	0.0587	-	-
Saccharin	µg/l	1.39 ± 0.0833	- ± -	0.306	-	-
Sotalol	µg/l	0.206 ± 0.0241	- ± -	0.0452	-	-
Sucralose	µg/l	- ± -	- ± -	-	-	-
Sulfamethoxazole	µg/l	0.0444 ± 0.00343	- ± -	0.00532	-	-



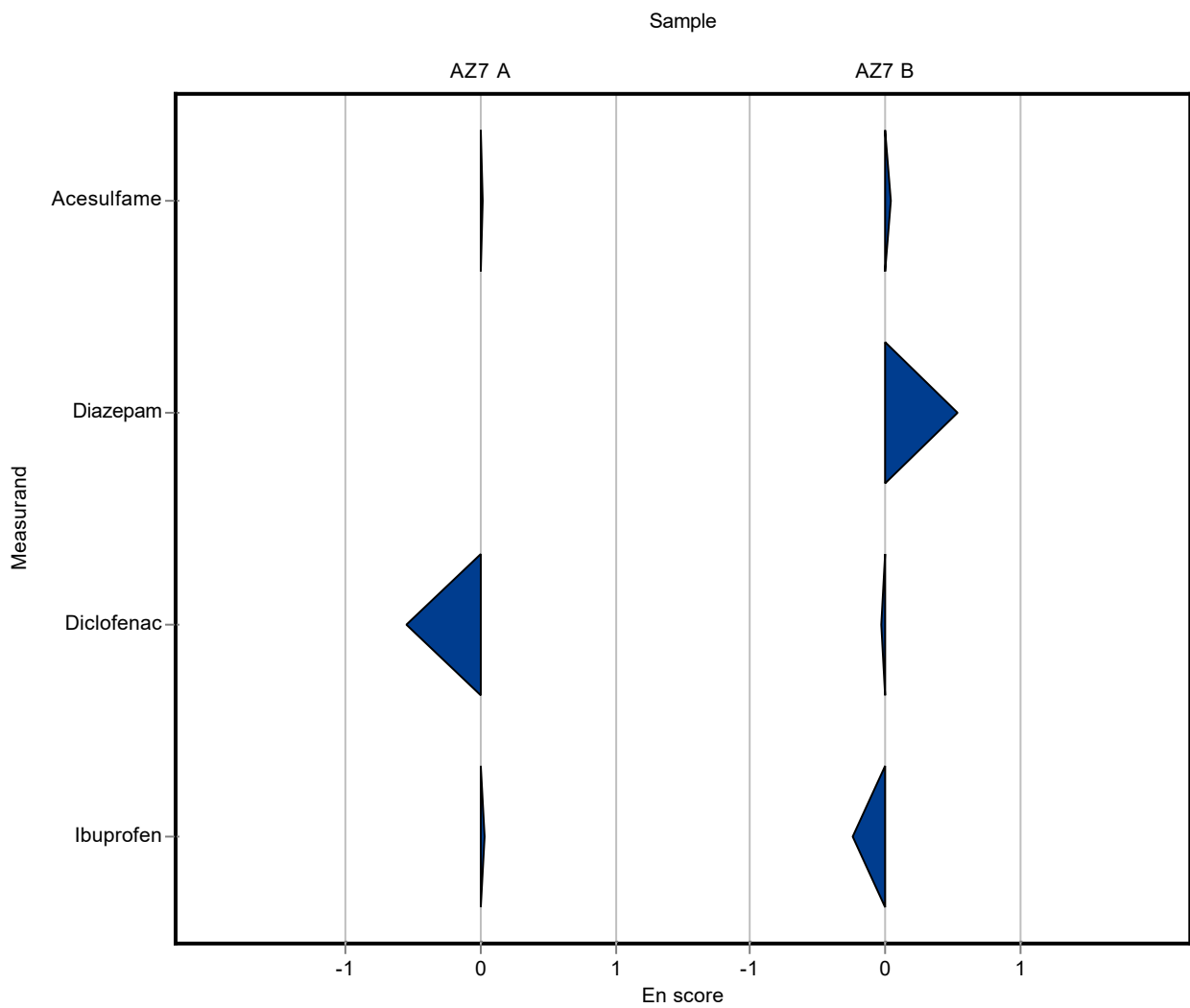
Sample: AZ7A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	µg/l	0.0407 ± 0.00447	- ± -	0.0067	-	-
4-Formylaminoantipyrine	µg/l	0.249 ± 0.0291	- ± -	0.0385	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	0.0843 ± 0.0124	- ± -	0.0175	-	-
Acesulfame	µg/l	0.0657 ± 0.00386	0.066 ± 0.01	0.0112	100	0.01
Amidotrizoic acid	µg/l	0.464 ± 0.0635	- ± -	0.0876	-	-
Atenolol	µg/l	0.316 ± 0.0247	- ± -	0.0349	-	-
Benzotriazole	µg/l	0.147 ± 0.00852	- ± -	0.0177	-	-
Bisoprolol	µg/l	- ± -	- ± -	-	-	-
Carbamazepine	µg/l	0.301 ± 0.0116	- ± -	0.0391	-	-
Cyclamate	µg/l	0.0311 ± 0.00459	- ± -	0.00533	-	-
Diazepam	µg/l	- ± -	<0.03 (LOQ) ± -	-	-	-
Diclofenac	µg/l	0.229 ± 0.0172	0.196 ± 0.029	0.0321	85.5	-0.55
Ibuprofen	µg/l	0.272 ± 0.0143	0.274 ± 0.041	0.0226	101	0.03
Iopamidol	µg/l	0.314 ± 0.0414	- ± -	0.0687	-	-
Metoprolol	µg/l	0.147 ± 0.0105	- ± -	0.0368	-	-
Saccharin	µg/l	- ± -	- ± -	-	-	-
Sotalol	µg/l	0.167 ± 0.0145	- ± -	0.0368	-	-
Sucralose	µg/l	0.337 ± 0.0483	- ± -	0.101	-	-
Sulfamethoxazole	µg/l	0.208 ± 0.0115	- ± -	0.0249	-	-

Sample: AZ7B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	µg/l	4.4 ± 0.419	- ± -	0.592	-	-
4-Formylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	1.06 ± 0.194	- ± -	0.258	-	-
Acesulfame	µg/l	1.97 ± 0.102	2 ± 0.3	0.336	101	0.04
Amidotrizoic acid	µg/l	1.09 ± 0.223	- ± -	0.378	-	-
Atenolol	µg/l	0.377 ± 0.0648	- ± -	0.0792	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Benzotriazole	µg/l	11.1 ± 0.511	- ± -	1.33	-	-
Bisoprolol	µg/l	- ± -	- ± -	-	-	-
Carbamazepine	µg/l	0.426 ± 0.0317	- ± -	0.0554	-	-
Cyclamate	µg/l	0.276 ± 0.0279	- ± -	0.0369	-	-
Diazepam	µg/l	0.382 ± 0.0467	0.46 ± 0.07	0.0618	120	0.53
Diclofenac	µg/l	2.84 ± 0.103	2.81 ± 0.422	0.398	98.9	-0.04
Ibuprofen	µg/l	0.0835 ± 0.00942	0.077 ± 0.012	0.0117	92.2	-0.25
Iopamidol	µg/l	32.8 ± 7.95	- ± -	11.3	-	-
Metoprolol	µg/l	0.235 ± 0.0183	- ± -	0.0587	-	-
Saccharin	µg/l	1.39 ± 0.0833	- ± -	0.306	-	-
Sotalol	µg/l	0.206 ± 0.0241	- ± -	0.0452	-	-
Sucralose	µg/l	- ± -	- ± -	-	-	-
Sulfamethoxazole	µg/l	0.0444 ± 0.00343	- ± -	0.00532	-	-



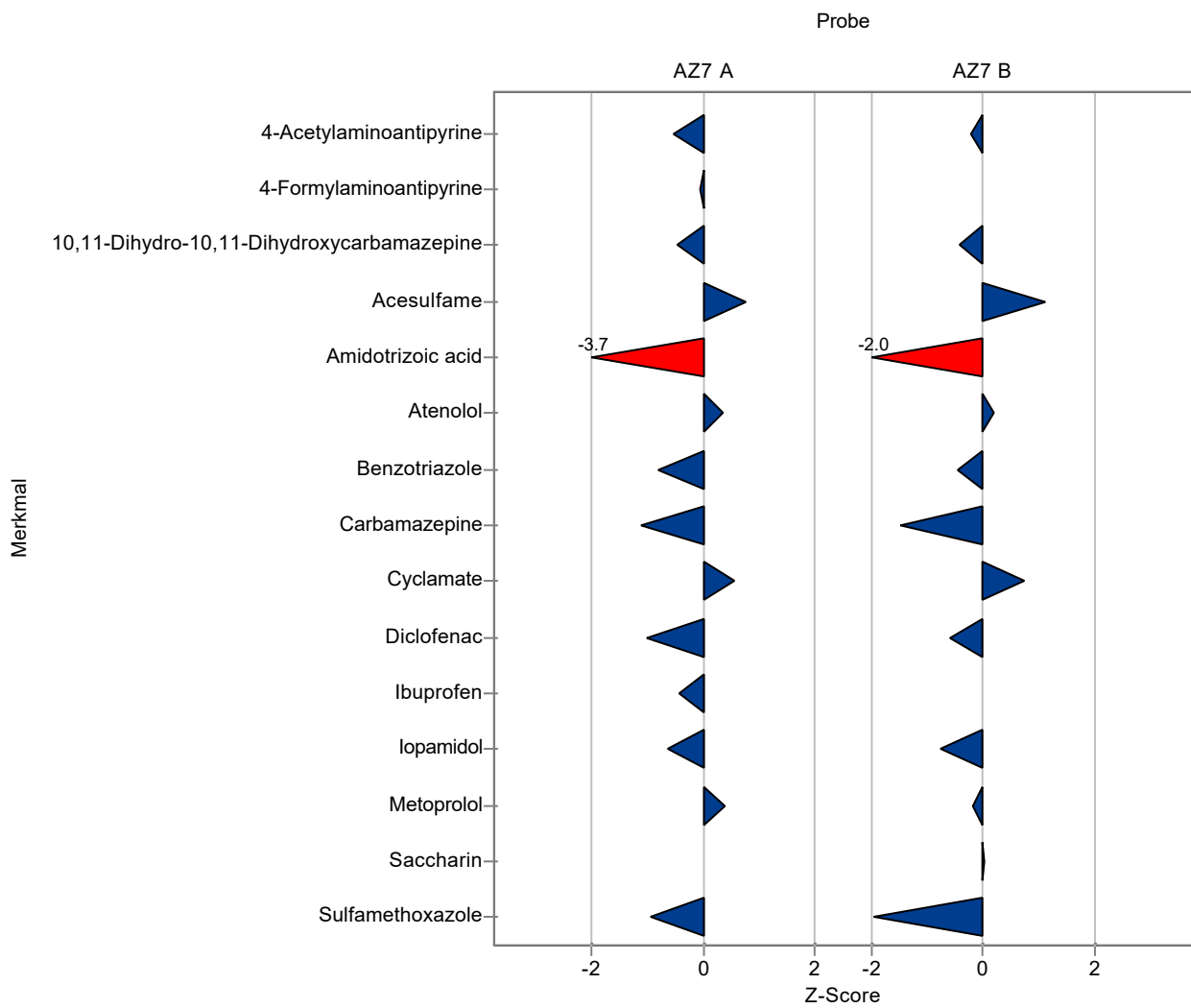
Sample: AZ7A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	µg/l	0.0407 ± 0.00447	0.037 ± 0.008	0.0067	91	-0.55
4-Formylaminoantipyrine	µg/l	0.249 ± 0.0291	0.247 ± 0.049	0.0385	99.1	-0.06
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	0.0843 ± 0.0124	0.076 ± 0.015	0.0175	90.2	-0.47
Acesulfame	µg/l	0.0657 ± 0.00386	0.074 ± 0.015	0.0112	113	0.74
Amidotrizoic acid	µg/l	0.464 ± 0.0635	0.141 ± 0.028	0.0876	30.4	-3.69
Atenolol	µg/l	0.316 ± 0.0247	0.328 ± 0.066	0.0349	104	0.35
Benzotriazole	µg/l	0.147 ± 0.00852	0.133 ± 0.027	0.0177	90.3	-0.81
Bisoprolol	µg/l	- ± -	0.132 ± 0.026	-	-	-
Carbamazepine	µg/l	0.301 ± 0.0116	0.257 ± 0.051	0.0391	85.4	-1.12
Cyclamate	µg/l	0.0311 ± 0.00459	0.034 ± 0.007	0.00533	109	0.54
Diazepam	µg/l	- ± -	- ± -	-	-	-
Diclofenac	µg/l	0.229 ± 0.0172	0.197 ± 0.039	0.0321	86	-1.00
Ibuprofen	µg/l	0.272 ± 0.0143	0.262 ± 0.052	0.0226	96.5	-0.42
Iopamidol	µg/l	0.314 ± 0.0414	0.269 ± 0.054	0.0687	85.8	-0.65
Metoprolol	µg/l	0.147 ± 0.0105	0.161 ± 0.032	0.0368	109	0.37
Saccharin	µg/l	- ± -	0.019 ± 0.004	-	-	-
Sotalol	µg/l	0.167 ± 0.0145	- ± -	0.0368	-	-
Sucralose	µg/l	0.337 ± 0.0483	- ± -	0.101	-	-
Sulfamethoxazole	µg/l	0.208 ± 0.0115	0.184 ± 0.037	0.0249	88.6	-0.95

Sample: AZ7B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	µg/l	4.4 ± 0.419	4.28 ± 0.86	0.592	97.3	-0.20
4-Formylaminoantipyrine	µg/l	- ± -	3.3 ± 0.66	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	1.06 ± 0.194	0.947 ± 0.189	0.258	89.7	-0.42
Acesulfame	µg/l	1.97 ± 0.102	2.35 ± 0.47	0.336	119	1.12
Amidotrizoic acid	µg/l	1.09 ± 0.223	0.319 ± 0.064	0.378	29.4	-2.03
Atenolol	µg/l	0.377 ± 0.0648	0.393 ± 0.079	0.0792	104	0.20

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Benzotriazole	µg/l	11.1 ± 0.511	10.5 ± 2.1	1.33	94.5	-0.46
Bisoprolol	µg/l	- ± -	0.254 ± 0.051	-	-	-
Carbamazepine	µg/l	0.426 ± 0.0317	0.345 ± 0.069	0.0554	80.9	-1.47
Cyclamate	µg/l	0.276 ± 0.0279	0.304 ± 0.061	0.0369	110	0.76
Diazepam	µg/l	0.382 ± 0.0467	- ± -	0.0618	-	-
Diclofenac	µg/l	2.84 ± 0.103	2.61 ± 0.52	0.398	91.9	-0.58
Ibuprofen	µg/l	0.0835 ± 0.00942	<0.02 (LOQ) ± -	0.0117	-	-
lopidamol	µg/l	32.8 ± 7.95	24.3 ± 4.9	11.3	74	-0.75
Metoprolol	µg/l	0.235 ± 0.0183	0.225 ± 0.045	0.0587	95.8	-0.17
Saccharin	µg/l	1.39 ± 0.0833	1.4 ± 0.28	0.306	101	0.03
Sotalol	µg/l	0.206 ± 0.0241	- ± -	0.0452	-	-
Sucralose	µg/l	- ± -	- ± -	-	-	-
Sulfamethoxazole	µg/l	0.0444 ± 0.00343	0.034 ± 0.007	0.00532	76.7	-1.95



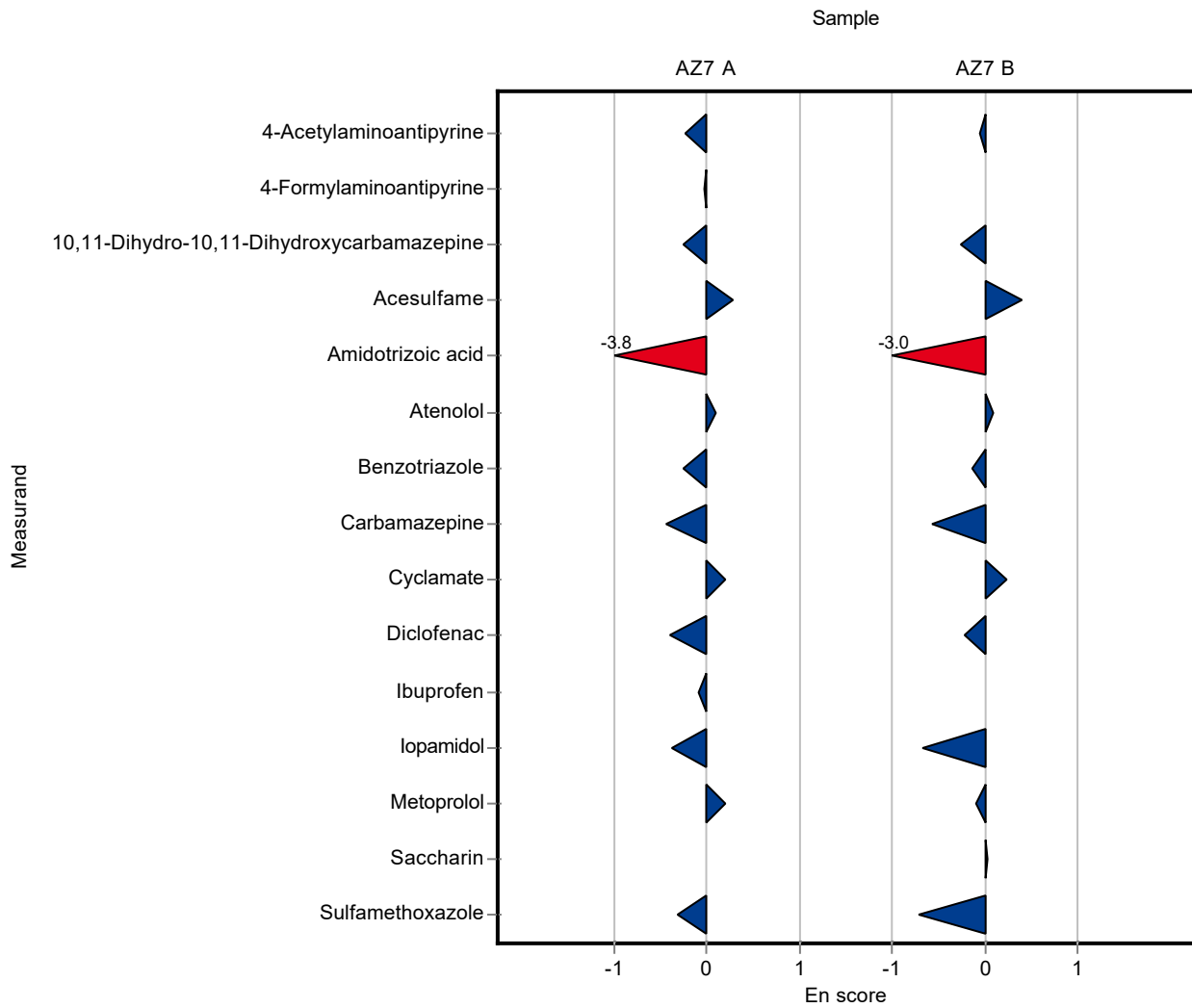
Sample: AZ7A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	µg/l	0.0407 ± 0.00447	0.037 ± 0.008	0.0067	91	-0.22
4-Formylaminoantipyrine	µg/l	0.249 ± 0.0291	0.247 ± 0.049	0.0385	99.1	-0.02
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	0.0843 ± 0.0124	0.076 ± 0.015	0.0175	90.2	-0.26
Acesulfame	µg/l	0.0657 ± 0.00386	0.074 ± 0.015	0.0112	113	0.27
Amidotrizoic acid	µg/l	0.464 ± 0.0635	0.141 ± 0.028	0.0876	30.4	-3.81
Atenolol	µg/l	0.316 ± 0.0247	0.328 ± 0.066	0.0349	104	0.09
Benzotriazole	µg/l	0.147 ± 0.00852	0.133 ± 0.027	0.0177	90.3	-0.26
Bisoprolol	µg/l	- ± -	0.132 ± 0.026	-	-	-
Carbamazepine	µg/l	0.301 ± 0.0116	0.257 ± 0.051	0.0391	85.4	-0.43
Cyclamate	µg/l	0.0311 ± 0.00459	0.034 ± 0.007	0.00533	109	0.20
Diazepam	µg/l	- ± -	- ± -	-	-	-
Diclofenac	µg/l	0.229 ± 0.0172	0.197 ± 0.039	0.0321	86	-0.40
Ibuprofen	µg/l	0.272 ± 0.0143	0.262 ± 0.052	0.0226	96.5	-0.09
Iopamidol	µg/l	0.314 ± 0.0414	0.269 ± 0.054	0.0687	85.8	-0.39
Metoprolol	µg/l	0.147 ± 0.0105	0.161 ± 0.032	0.0368	109	0.21
Saccharin	µg/l	- ± -	0.019 ± 0.004	-	-	-
Sotalol	µg/l	0.167 ± 0.0145	- ± -	0.0368	-	-
Sucralose	µg/l	0.337 ± 0.0483	- ± -	0.101	-	-
Sulfamethoxazole	µg/l	0.208 ± 0.0115	0.184 ± 0.037	0.0249	88.6	-0.32

Sample: AZ7B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	µg/l	4.4 ± 0.419	4.28 ± 0.86	0.592	97.3	-0.07
4-Formylaminoantipyrine	µg/l	- ± -	3.3 ± 0.66	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	1.06 ± 0.194	0.947 ± 0.189	0.258	89.7	-0.26
Acesulfame	µg/l	1.97 ± 0.102	2.35 ± 0.47	0.336	119	0.40
Amidotrizoic acid	µg/l	1.09 ± 0.223	0.319 ± 0.064	0.378	29.4	-2.98
Atenolol	µg/l	0.377 ± 0.0648	0.393 ± 0.079	0.0792	104	0.09

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Benzotriazole	µg/l	11.1 ± 0.511	10.5 ± 2.1	1.33	94.5	-0.14
Bisoprolol	µg/l	- ± -	0.254 ± 0.051	-	-	-
Carbamazepine	µg/l	0.426 ± 0.0317	0.345 ± 0.069	0.0554	80.9	-0.57
Cyclamate	µg/l	0.276 ± 0.0279	0.304 ± 0.061	0.0369	110	0.22
Diazepam	µg/l	0.382 ± 0.0467	- ± -	0.0618	-	-
Diclofenac	µg/l	2.84 ± 0.103	2.61 ± 0.52	0.398	91.9	-0.22
Ibuprofen	µg/l	0.0835 ± 0.00942	<0.02 (LOQ) ± -	0.0117	-	-
Iopamidol	µg/l	32.8 ± 7.95	24.3 ± 4.9	11.3	74	-0.68
Metoprolol	µg/l	0.235 ± 0.0183	0.225 ± 0.045	0.0587	95.8	-0.11
Saccharin	µg/l	1.39 ± 0.0833	1.4 ± 0.28	0.306	101	0.01
Sotalol	µg/l	0.206 ± 0.0241	- ± -	0.0452	-	-
Sucralose	µg/l	- ± -	- ± -	-	-	-
Sulfamethoxazole	µg/l	0.0444 ± 0.00343	0.034 ± 0.007	0.00532	76.7	-0.72



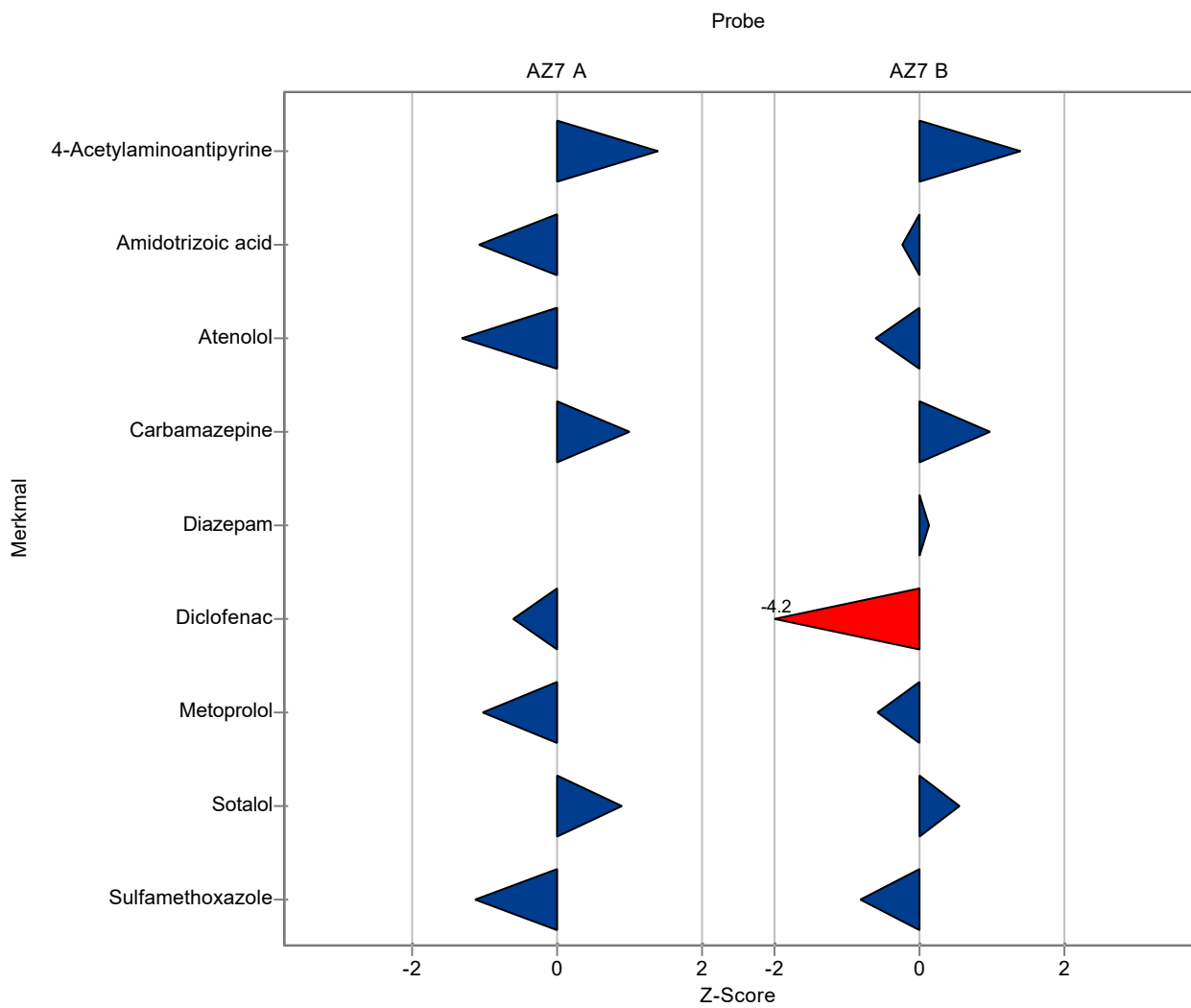
Sample: AZ7A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	µg/l	0.0407 ± 0.00447	0.05 ± 0.03	0.0067	123	1.39
4-Formylaminoantipyrine	µg/l	0.249 ± 0.0291	- ± -	0.0385	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	0.0843 ± 0.0124	- ± -	0.0175	-	-
Acesulfame	µg/l	0.0657 ± 0.00386	- ± -	0.0112	-	-
Amidotrizoic acid	µg/l	0.464 ± 0.0635	0.37 ± 0.19	0.0876	79.8	-1.07
Atenolol	µg/l	0.316 ± 0.0247	0.27 ± 0.14	0.0349	85.5	-1.32
Benzotriazole	µg/l	0.147 ± 0.00852	- ± -	0.0177	-	-
Bisoprolol	µg/l	- ± -	0.14 ± 0.07	-	-	-
Carbamazepine	µg/l	0.301 ± 0.0116	0.34 ± 0.17	0.0391	113	1.00
Cyclamate	µg/l	0.0311 ± 0.00459	- ± -	0.00533	-	-
Diazepam	µg/l	- ± -	<0.02 (LOQ) ± -	-	-	-
Diclofenac	µg/l	0.229 ± 0.0172	0.21 ± 0.11	0.0321	91.7	-0.60
Ibuprofen	µg/l	0.272 ± 0.0143	<10 (LOQ) ± -	0.0226	-	-
Iopamidol	µg/l	0.314 ± 0.0414	- ± -	0.0687	-	-
Metoprolol	µg/l	0.147 ± 0.0105	0.11 ± 0.06	0.0368	74.7	-1.01
Saccharin	µg/l	- ± -	- ± -	-	-	-
Sotalol	µg/l	0.167 ± 0.0145	0.2 ± 0.1	0.0368	120	0.89
Sucralose	µg/l	0.337 ± 0.0483	- ± -	0.101	-	-
Sulfamethoxazole	µg/l	0.208 ± 0.0115	0.18 ± 0.09	0.0249	86.7	-1.11

Sample: AZ7B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	µg/l	4.4 ± 0.419	5.22 ± 2.61	0.592	119	1.39
4-Formylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	1.06 ± 0.194	- ± -	0.258	-	-
Acesulfame	µg/l	1.97 ± 0.102	- ± -	0.336	-	-
Amidotrizoic acid	µg/l	1.09 ± 0.223	0.99 ± 0.5	0.378	91.1	-0.25
Atenolol	µg/l	0.377 ± 0.0648	0.33 ± 0.17	0.0792	87.5	-0.60

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Benzotriazole	µg/l	11.1 ± 0.511	- ± -	1.33	-	-
Bisoprolol	µg/l	- ± -	0.29 ± 0.15	-	-	-
Carbamazepine	µg/l	0.426 ± 0.0317	0.48 ± 0.24	0.0554	113	0.97
Cyclamate	µg/l	0.276 ± 0.0279	- ± -	0.0369	-	-
Diazepam	µg/l	0.382 ± 0.0467	0.39 ± 0.2	0.0618	102	0.13
Diclofenac	µg/l	2.84 ± 0.103	1.16 ± 0.58	0.398	40.8	-4.23
Ibuprofen	µg/l	0.0835 ± 0.00942	<10 (LOQ) ± -	0.0117	-	-
Iopamidol	µg/l	32.8 ± 7.95	- ± -	11.3	-	-
Metoprolol	µg/l	0.235 ± 0.0183	0.2 ± 0.1	0.0587	85.2	-0.59
Saccharin	µg/l	1.39 ± 0.0833	- ± -	0.306	-	-
Sotalol	µg/l	0.206 ± 0.0241	0.23 ± 0.12	0.0452	112	0.54
Sucralose	µg/l	- ± -	- ± -	-	-	-
Sulfamethoxazole	µg/l	0.0444 ± 0.00343	0.04 ± 0.02	0.00532	90.2	-0.82



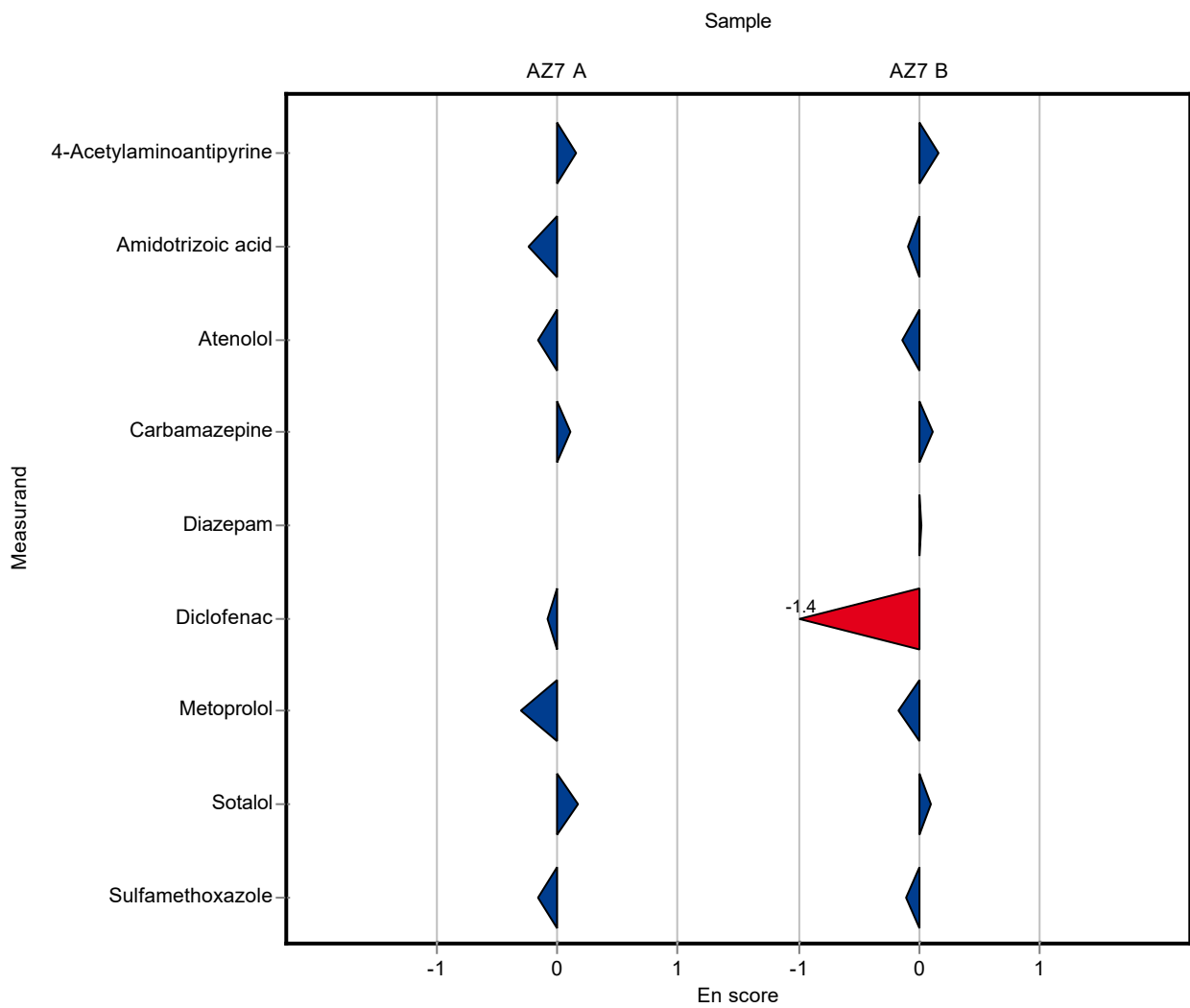
Sample: AZ7A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	µg/l	0.0407 ± 0.00447	0.05 ± 0.03	0.0067	123	0.15
4-Formylaminoantipyrine	µg/l	0.249 ± 0.0291	- ± -	0.0385	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	0.0843 ± 0.0124	- ± -	0.0175	-	-
Acesulfame	µg/l	0.0657 ± 0.00386	- ± -	0.0112	-	-
Amidotrizoic acid	µg/l	0.464 ± 0.0635	0.37 ± 0.19	0.0876	79.8	-0.24
Atenolol	µg/l	0.316 ± 0.0247	0.27 ± 0.14	0.0349	85.5	-0.16
Benzotriazole	µg/l	0.147 ± 0.00852	- ± -	0.0177	-	-
Bisoprolol	µg/l	- ± -	0.14 ± 0.07	-	-	-
Carbamazepine	µg/l	0.301 ± 0.0116	0.34 ± 0.17	0.0391	113	0.12
Cyclamate	µg/l	0.0311 ± 0.00459	- ± -	0.00533	-	-
Diazepam	µg/l	- ± -	<0.02 (LOQ) ± -	-	-	-
Diclofenac	µg/l	0.229 ± 0.0172	0.21 ± 0.11	0.0321	91.7	-0.09
Ibuprofen	µg/l	0.272 ± 0.0143	<10 (LOQ) ± -	0.0226	-	-
Iopamidol	µg/l	0.314 ± 0.0414	- ± -	0.0687	-	-
Metoprolol	µg/l	0.147 ± 0.0105	0.11 ± 0.06	0.0368	74.7	-0.31
Saccharin	µg/l	- ± -	- ± -	-	-	-
Sotalol	µg/l	0.167 ± 0.0145	0.2 ± 0.1	0.0368	120	0.16
Sucralose	µg/l	0.337 ± 0.0483	- ± -	0.101	-	-
Sulfamethoxazole	µg/l	0.208 ± 0.0115	0.18 ± 0.09	0.0249	86.7	-0.15

Sample: AZ7B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	µg/l	4.4 ± 0.419	5.22 ± 2.61	0.592	119	0.16
4-Formylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	1.06 ± 0.194	- ± -	0.258	-	-
Acesulfame	µg/l	1.97 ± 0.102	- ± -	0.336	-	-
Amidotrizoic acid	µg/l	1.09 ± 0.223	0.99 ± 0.5	0.378	91.1	-0.09
Atenolol	µg/l	0.377 ± 0.0648	0.33 ± 0.17	0.0792	87.5	-0.14

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Benzotriazole	µg/l	11.1 ± 0.511	- ± -	1.33	-	-
Bisoprolol	µg/l	- ± -	0.29 ± 0.15	-	-	-
Carbamazepine	µg/l	0.426 ± 0.0317	0.48 ± 0.24	0.0554	113	0.11
Cyclamate	µg/l	0.276 ± 0.0279	- ± -	0.0369	-	-
Diazepam	µg/l	0.382 ± 0.0467	0.39 ± 0.2	0.0618	102	0.02
Diclofenac	µg/l	2.84 ± 0.103	1.16 ± 0.58	0.398	40.8	-1.44
Ibuprofen	µg/l	0.0835 ± 0.00942	<10 (LOQ) ± -	0.0117	-	-
Iopamidol	µg/l	32.8 ± 7.95	- ± -	11.3	-	-
Metoprolol	µg/l	0.235 ± 0.0183	0.2 ± 0.1	0.0587	85.2	-0.17
Saccharin	µg/l	1.39 ± 0.0833	- ± -	0.306	-	-
Sotalol	µg/l	0.206 ± 0.0241	0.23 ± 0.12	0.0452	112	0.10
Sucralose	µg/l	- ± -	- ± -	-	-	-
Sulfamethoxazole	µg/l	0.0444 ± 0.00343	0.04 ± 0.02	0.00532	90.2	-0.11



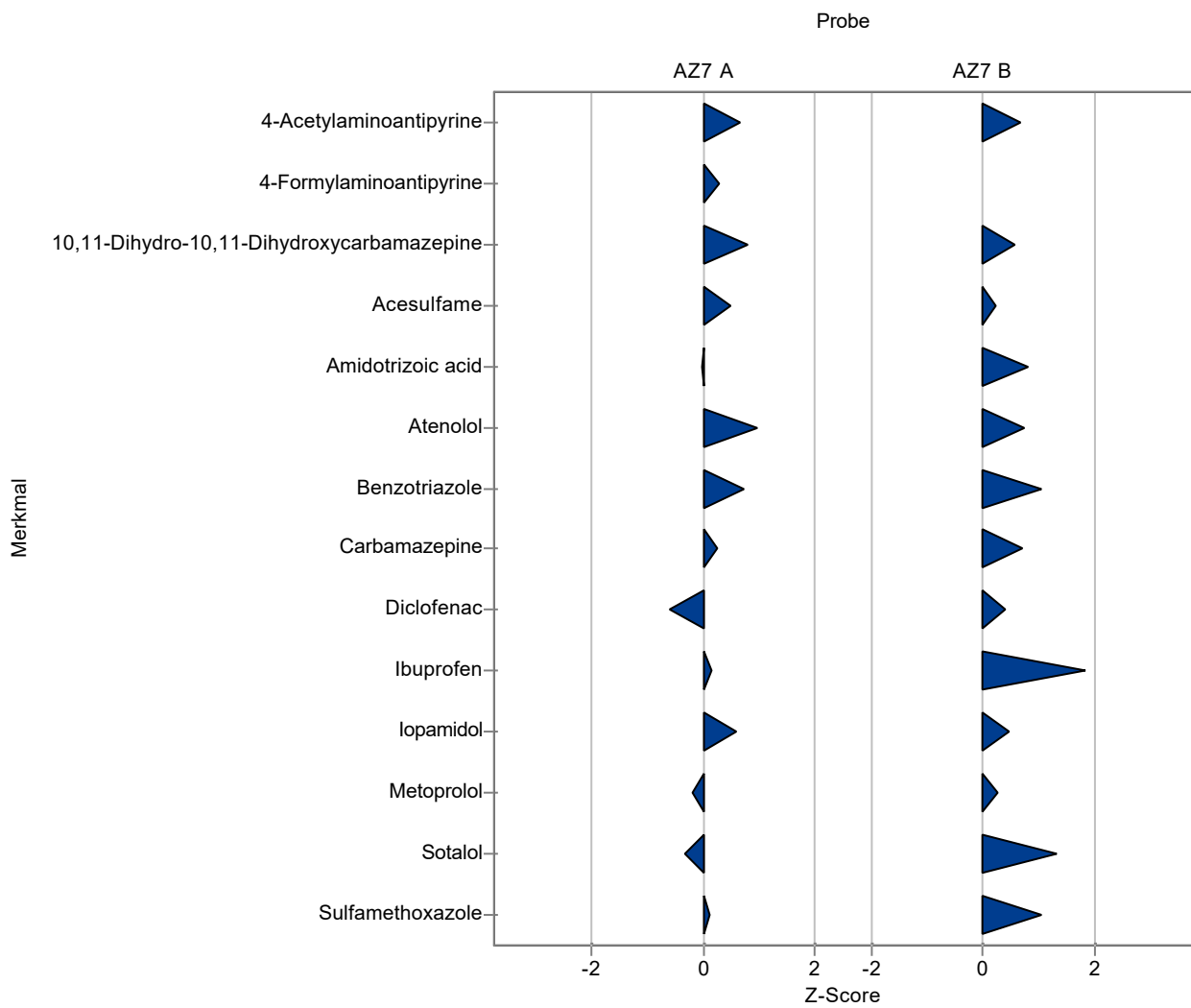
Sample: AZ7A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	µg/l	0.0407 ± 0.00447	0.045 ± 0.004	0.0067	111	0.65
4-Formylaminoantipyrine	µg/l	0.249 ± 0.0291	0.26 ± 0.025	0.0385	104	0.28
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	0.0843 ± 0.0124	0.098 ± 0.012	0.0175	116	0.78
Acesulfame	µg/l	0.0657 ± 0.00386	0.071 ± 0.011	0.0112	108	0.47
Amidotrizoic acid	µg/l	0.464 ± 0.0635	0.46 ± 0.06	0.0876	99.2	-0.04
Atenolol	µg/l	0.316 ± 0.0247	0.35 ± 0.022	0.0349	111	0.98
Benzotriazole	µg/l	0.147 ± 0.00852	0.16 ± 0.011	0.0177	109	0.72
Bisoprolol	µg/l	- ± -	- ± -	-	-	-
Carbamazepine	µg/l	0.301 ± 0.0116	0.31 ± 0.027	0.0391	103	0.24
Cyclamate	µg/l	0.0311 ± 0.00459	- ± -	0.00533	-	-
Diazepam	µg/l	- ± -	- ± -	-	-	-
Diclofenac	µg/l	0.229 ± 0.0172	0.21 ± 0.02	0.0321	91.7	-0.60
Ibuprofen	µg/l	0.272 ± 0.0143	0.275 ± 0.033	0.0226	101	0.15
Iopamidol	µg/l	0.314 ± 0.0414	0.355 ± 0.05	0.0687	113	0.60
Metoprolol	µg/l	0.147 ± 0.0105	0.14 ± 0.01	0.0368	95	-0.20
Saccharin	µg/l	- ± -	- ± -	-	-	-
Sotalol	µg/l	0.167 ± 0.0145	0.155 ± 0.009	0.0368	92.7	-0.33
Sucralose	µg/l	0.337 ± 0.0483	- ± -	0.101	-	-
Sulfamethoxazole	µg/l	0.208 ± 0.0115	0.21 ± 0.02	0.0249	101	0.09

Sample: AZ7B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	µg/l	4.4 ± 0.419	4.8 ± 0.455	0.592	109	0.68
4-Formylaminoantipyrine	µg/l	- ± -	3.8 ± 0.36	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	1.06 ± 0.194	1.2 ± 0.143	0.258	114	0.56
Acesulfame	µg/l	1.97 ± 0.102	2.05 ± 0.308	0.336	104	0.22
Amidotrizoic acid	µg/l	1.09 ± 0.223	1.4 ± 0.182	0.378	129	0.83
Atenolol	µg/l	0.377 ± 0.0648	0.435 ± 0.027	0.0792	115	0.73

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Benzotriazole	µg/l	11.1 ± 0.511	12.5 ± 0.883	1.33	112	1.04
Bisoprolol	µg/l	- ± -	- ± -	-	-	-
Carbamazepine	µg/l	0.426 ± 0.0317	0.465 ± 0.041	0.0554	109	0.70
Cyclamate	µg/l	0.276 ± 0.0279	- ± -	0.0369	-	-
Diazepam	µg/l	0.382 ± 0.0467	- ± -	0.0618	-	-
Diclofenac	µg/l	2.84 ± 0.103	3 ± 0.27	0.398	106	0.40
Ibuprofen	µg/l	0.0835 ± 0.00942	0.105 ± 0.013	0.0117	126	1.84
lopidamol	µg/l	32.8 ± 7.95	38 ± 5.3	11.3	116	0.46
Metoprolol	µg/l	0.235 ± 0.0183	0.25 ± 0.018	0.0587	106	0.26
Saccharin	µg/l	1.39 ± 0.0833	- ± -	0.306	-	-
Sotalol	µg/l	0.206 ± 0.0241	0.265 ± 0.015	0.0452	129	1.32
Sucralose	µg/l	- ± -	- ± -	-	-	-
Sulfamethoxazole	µg/l	0.0444 ± 0.00343	0.05 ± 0.005	0.00532	113	1.06



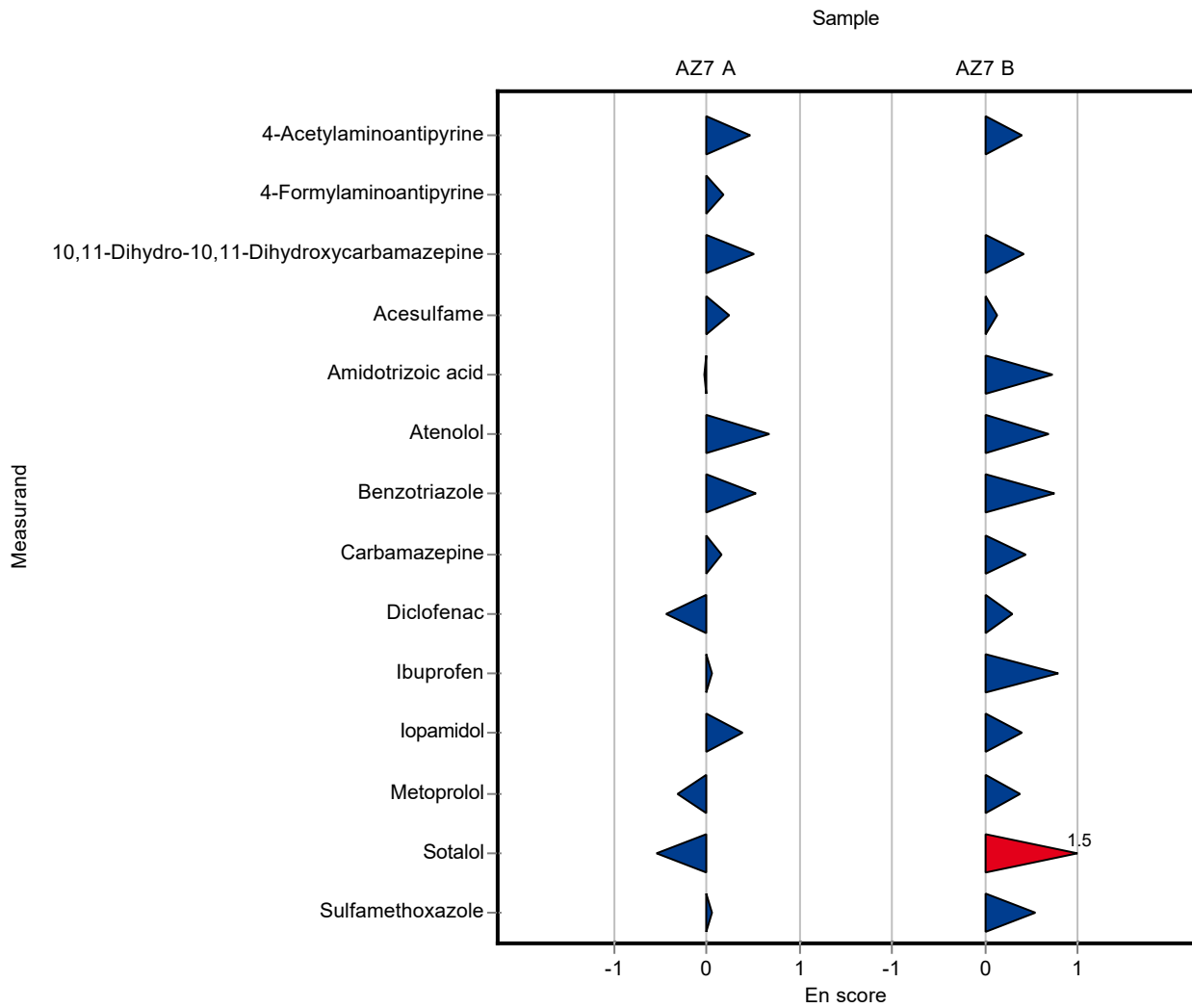
Sample: AZ7A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	µg/l	0.0407 ± 0.00447	0.045 ± 0.004	0.0067	111	0.47
4-Formylaminoantipyrine	µg/l	0.249 ± 0.0291	0.26 ± 0.025	0.0385	104	0.19
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	0.0843 ± 0.0124	0.098 ± 0.012	0.0175	116	0.51
Acesulfame	µg/l	0.0657 ± 0.00386	0.071 ± 0.011	0.0112	108	0.24
Amidotrizoic acid	µg/l	0.464 ± 0.0635	0.46 ± 0.06	0.0876	99.2	-0.03
Atenolol	µg/l	0.316 ± 0.0247	0.35 ± 0.022	0.0349	111	0.68
Benzotriazole	µg/l	0.147 ± 0.00852	0.16 ± 0.011	0.0177	109	0.54
Bisoprolol	µg/l	- ± -	- ± -	-	-	-
Carbamazepine	µg/l	0.301 ± 0.0116	0.31 ± 0.027	0.0391	103	0.17
Cyclamate	µg/l	0.0311 ± 0.00459	- ± -	0.00533	-	-
Diazepam	µg/l	- ± -	- ± -	-	-	-
Diclofenac	µg/l	0.229 ± 0.0172	0.21 ± 0.02	0.0321	91.7	-0.44
Ibuprofen	µg/l	0.272 ± 0.0143	0.275 ± 0.033	0.0226	101	0.05
Iopamidol	µg/l	0.314 ± 0.0414	0.355 ± 0.05	0.0687	113	0.38
Metoprolol	µg/l	0.147 ± 0.0105	0.14 ± 0.01	0.0368	95	-0.32
Saccharin	µg/l	- ± -	- ± -	-	-	-
Sotalol	µg/l	0.167 ± 0.0145	0.155 ± 0.009	0.0368	92.7	-0.53
Sucralose	µg/l	0.337 ± 0.0483	- ± -	0.101	-	-
Sulfamethoxazole	µg/l	0.208 ± 0.0115	0.21 ± 0.02	0.0249	101	0.06

Sample: AZ7B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	µg/l	4.4 ± 0.419	4.8 ± 0.455	0.592	109	0.40
4-Formylaminoantipyrine	µg/l	- ± -	3.8 ± 0.36	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	1.06 ± 0.194	1.2 ± 0.143	0.258	114	0.42
Acesulfame	µg/l	1.97 ± 0.102	2.05 ± 0.308	0.336	104	0.12
Amidotrizoic acid	µg/l	1.09 ± 0.223	1.4 ± 0.182	0.378	129	0.73
Atenolol	µg/l	0.377 ± 0.0648	0.435 ± 0.027	0.0792	115	0.68

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Benzotriazole	µg/l	11.1 ± 0.511	12.5 ± 0.883	1.33	112	0.76
Bisoprolol	µg/l	- ± -	- ± -	-	-	-
Carbamazepine	µg/l	0.426 ± 0.0317	0.465 ± 0.041	0.0554	109	0.44
Cyclamate	µg/l	0.276 ± 0.0279	- ± -	0.0369	-	-
Diazepam	µg/l	0.382 ± 0.0467	- ± -	0.0618	-	-
Diclofenac	µg/l	2.84 ± 0.103	3 ± 0.27	0.398	106	0.29
Ibuprofen	µg/l	0.0835 ± 0.00942	0.105 ± 0.013	0.0117	126	0.78
Iopamidol	µg/l	32.8 ± 7.95	38 ± 5.3	11.3	116	0.39
Metoprolol	µg/l	0.235 ± 0.0183	0.25 ± 0.018	0.0587	106	0.38
Saccharin	µg/l	1.39 ± 0.0833	- ± -	0.306	-	-
Sotalol	µg/l	0.206 ± 0.0241	0.265 ± 0.015	0.0452	129	1.55
Sucralose	µg/l	- ± -	- ± -	-	-	-
Sulfamethoxazole	µg/l	0.0444 ± 0.00343	0.05 ± 0.005	0.00532	113	0.53



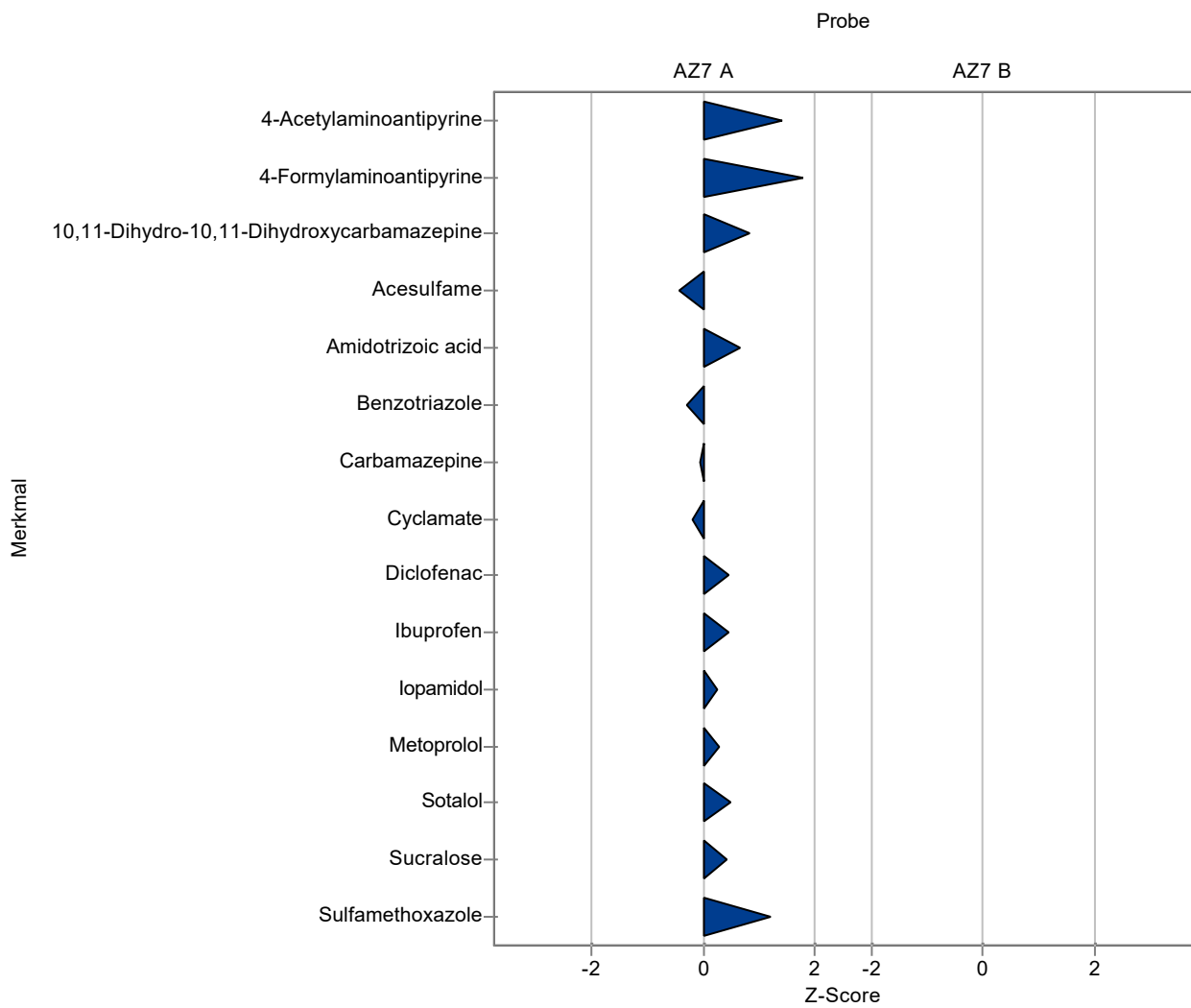
Sample: AZ7A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	µg/l	0.0407 ± 0.00447	0.05 ± 0.012	0.0067	123	1.39
4-Formylaminoantipyrine	µg/l	0.249 ± 0.0291	0.318 ± 0.04	0.0385	128	1.78
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	0.0843 ± 0.0124	0.099 ± 0.029	0.0175	117	0.84
Acesulfame	µg/l	0.0657 ± 0.00386	0.061 ± 0.0122	0.0112	92.8	-0.42
Amidotrizoic acid	µg/l	0.464 ± 0.0635	0.521 ± 0.163	0.0876	112	0.65
Atenolol	µg/l	0.316 ± 0.0247	- ± -	0.0349	-	-
Benzotriazole	µg/l	0.147 ± 0.00852	0.142 ± 0.028	0.0177	96.4	-0.30
Bisoprolol	µg/l	- ± -	- ± -	-	-	-
Carbamazepine	µg/l	0.301 ± 0.0116	0.299 ± 0.032	0.0391	99.4	-0.05
Cyclamate	µg/l	0.0311 ± 0.00459	0.03 ± 0.0045	0.00533	96.4	-0.21
Diazepam	µg/l	- ± -	<0.025 (LOQ) ± -	-	-	-
Diclofenac	µg/l	0.229 ± 0.0172	0.244 ± 0.03	0.0321	106	0.46
Ibuprofen	µg/l	0.272 ± 0.0143	0.282 ± 0.033	0.0226	104	0.46
Iopamidol	µg/l	0.314 ± 0.0414	0.33 ± 0.096	0.0687	105	0.24
Metoprolol	µg/l	0.147 ± 0.0105	0.158 ± 0.021	0.0368	107	0.29
Saccharin	µg/l	- ± -	0.025 ± 0.005	-	-	-
Sotalol	µg/l	0.167 ± 0.0145	0.185 ± 0.041	0.0368	111	0.48
Sucralose	µg/l	0.337 ± 0.0483	0.38 ± 0.076	0.101	113	0.43
Sulfamethoxazole	µg/l	0.208 ± 0.0115	0.238 ± 0.044	0.0249	115	1.22

Sample: AZ7B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	µg/l	4.4 ± 0.419	- ± -	0.592	-	-
4-Formylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	1.06 ± 0.194	- ± -	0.258	-	-
Acesulfame	µg/l	1.97 ± 0.102	- ± -	0.336	-	-
Amidotrizoic acid	µg/l	1.09 ± 0.223	- ± -	0.378	-	-
Atenolol	µg/l	0.377 ± 0.0648	- ± -	0.0792	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion Recovery [%]	z-Score
Benzotriazole	µg/l	11.1 ± 0.511	- ± -	1.33	-
Bisoprolol	µg/l	- ± -	- ± -	-	-
Carbamazepine	µg/l	0.426 ± 0.0317	- ± -	0.0554	-
Cyclamate	µg/l	0.276 ± 0.0279	- ± -	0.0369	-
Diazepam	µg/l	0.382 ± 0.0467	- ± -	0.0618	-
Diclofenac	µg/l	2.84 ± 0.103	- ± -	0.398	-
Ibuprofen	µg/l	0.0835 ± 0.00942	- ± -	0.0117	-
Iopamidol	µg/l	32.8 ± 7.95	- ± -	11.3	-
Metoprolol	µg/l	0.235 ± 0.0183	- ± -	0.0587	-
Saccharin	µg/l	1.39 ± 0.0833	- ± -	0.306	-
Sotalol	µg/l	0.206 ± 0.0241	- ± -	0.0452	-
Sucralose	µg/l	- ± -	- ± -	-	-
Sulfamethoxazole	µg/l	0.0444 ± 0.00343	- ± -	0.00532	-



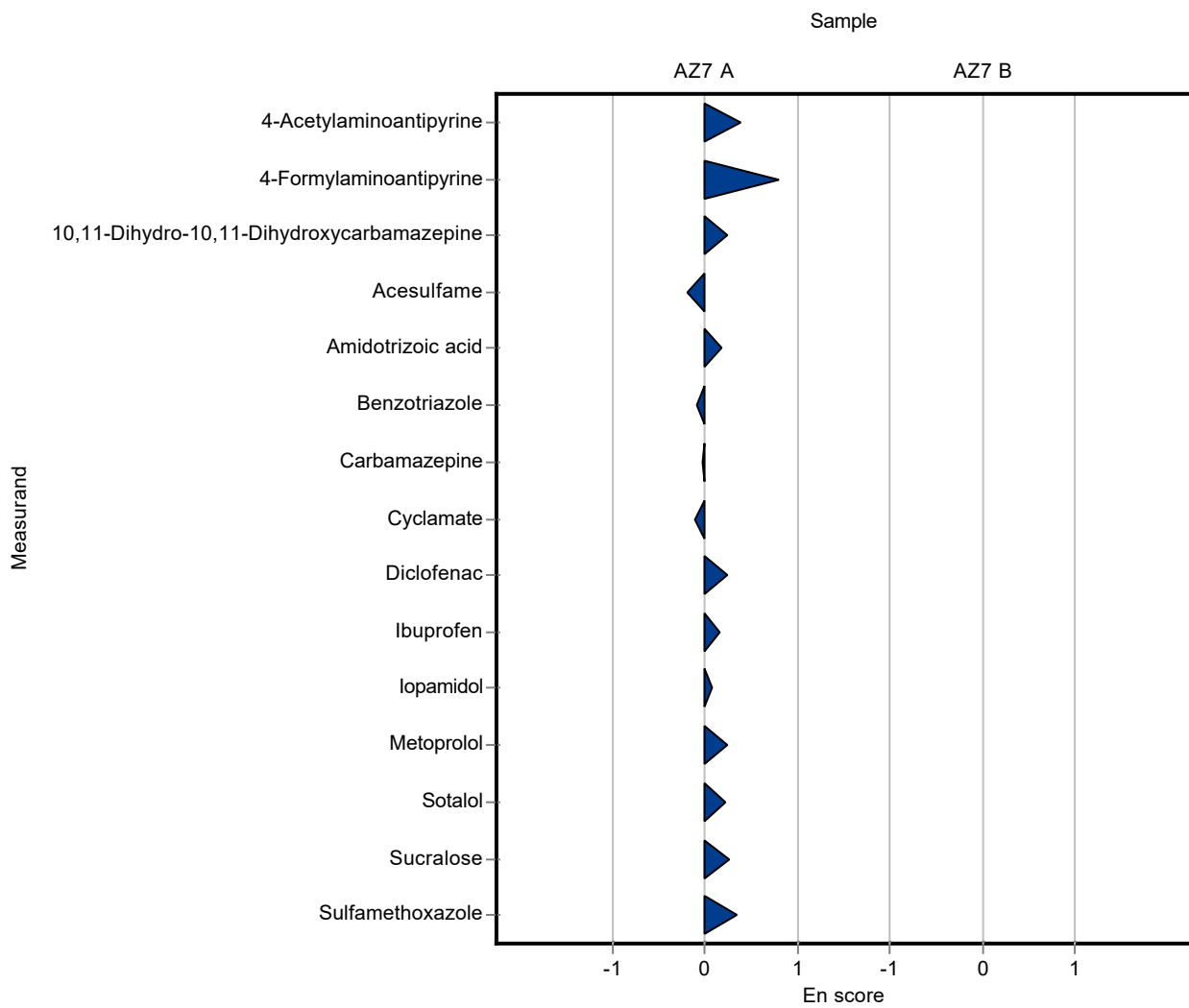
Sample: AZ7A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	µg/l	0.0407 ± 0.00447	0.05 ± 0.012	0.0067	123	0.38
4-Formylaminoantipyrine	µg/l	0.249 ± 0.0291	0.318 ± 0.04	0.0385	128	0.81
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	0.0843 ± 0.0124	0.099 ± 0.029	0.0175	117	0.25
Acesulfame	µg/l	0.0657 ± 0.00386	0.061 ± 0.0122	0.0112	92.8	-0.19
Amidotrizoic acid	µg/l	0.464 ± 0.0635	0.521 ± 0.163	0.0876	112	0.17
Atenolol	µg/l	0.316 ± 0.0247	- ± -	0.0349	-	-
Benzotriazole	µg/l	0.147 ± 0.00852	0.142 ± 0.028	0.0177	96.4	-0.09
Bisoprolol	µg/l	- ± -	- ± -	-	-	-
Carbamazepine	µg/l	0.301 ± 0.0116	0.299 ± 0.032	0.0391	99.4	-0.03
Cyclamate	µg/l	0.0311 ± 0.00459	0.03 ± 0.0045	0.00533	96.4	-0.11
Diazepam	µg/l	- ± -	<0.025 (LOQ) ± -	-	-	-
Diclofenac	µg/l	0.229 ± 0.0172	0.244 ± 0.03	0.0321	106	0.24
Ibuprofen	µg/l	0.272 ± 0.0143	0.282 ± 0.033	0.0226	104	0.15
Iopamidol	µg/l	0.314 ± 0.0414	0.33 ± 0.096	0.0687	105	0.08
Metoprolol	µg/l	0.147 ± 0.0105	0.158 ± 0.021	0.0368	107	0.25
Saccharin	µg/l	- ± -	0.025 ± 0.005	-	-	-
Sotalol	µg/l	0.167 ± 0.0145	0.185 ± 0.041	0.0368	111	0.21
Sucralose	µg/l	0.337 ± 0.0483	0.38 ± 0.076	0.101	113	0.27
Sulfamethoxazole	µg/l	0.208 ± 0.0115	0.238 ± 0.044	0.0249	115	0.34

Sample: AZ7B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	µg/l	4.4 ± 0.419	- ± -	0.592	-	-
4-Formylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	1.06 ± 0.194	- ± -	0.258	-	-
Acesulfame	µg/l	1.97 ± 0.102	- ± -	0.336	-	-
Amidotrizoic acid	µg/l	1.09 ± 0.223	- ± -	0.378	-	-
Atenolol	µg/l	0.377 ± 0.0648	- ± -	0.0792	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion Recovery [%]	En-Score
Benzotriazole	µg/l	11.1 ± 0.511	- ± -	1.33	-
Bisoprolol	µg/l	- ± -	- ± -	-	-
Carbamazepine	µg/l	0.426 ± 0.0317	- ± -	0.0554	-
Cyclamate	µg/l	0.276 ± 0.0279	- ± -	0.0369	-
Diazepam	µg/l	0.382 ± 0.0467	- ± -	0.0618	-
Diclofenac	µg/l	2.84 ± 0.103	- ± -	0.398	-
Ibuprofen	µg/l	0.0835 ± 0.00942	- ± -	0.0117	-
Iopamidol	µg/l	32.8 ± 7.95	- ± -	11.3	-
Metoprolol	µg/l	0.235 ± 0.0183	- ± -	0.0587	-
Saccharin	µg/l	1.39 ± 0.0833	- ± -	0.306	-
Sotalol	µg/l	0.206 ± 0.0241	- ± -	0.0452	-
Sucralose	µg/l	- ± -	- ± -	-	-
Sulfamethoxazole	µg/l	0.0444 ± 0.00343	- ± -	0.00532	-



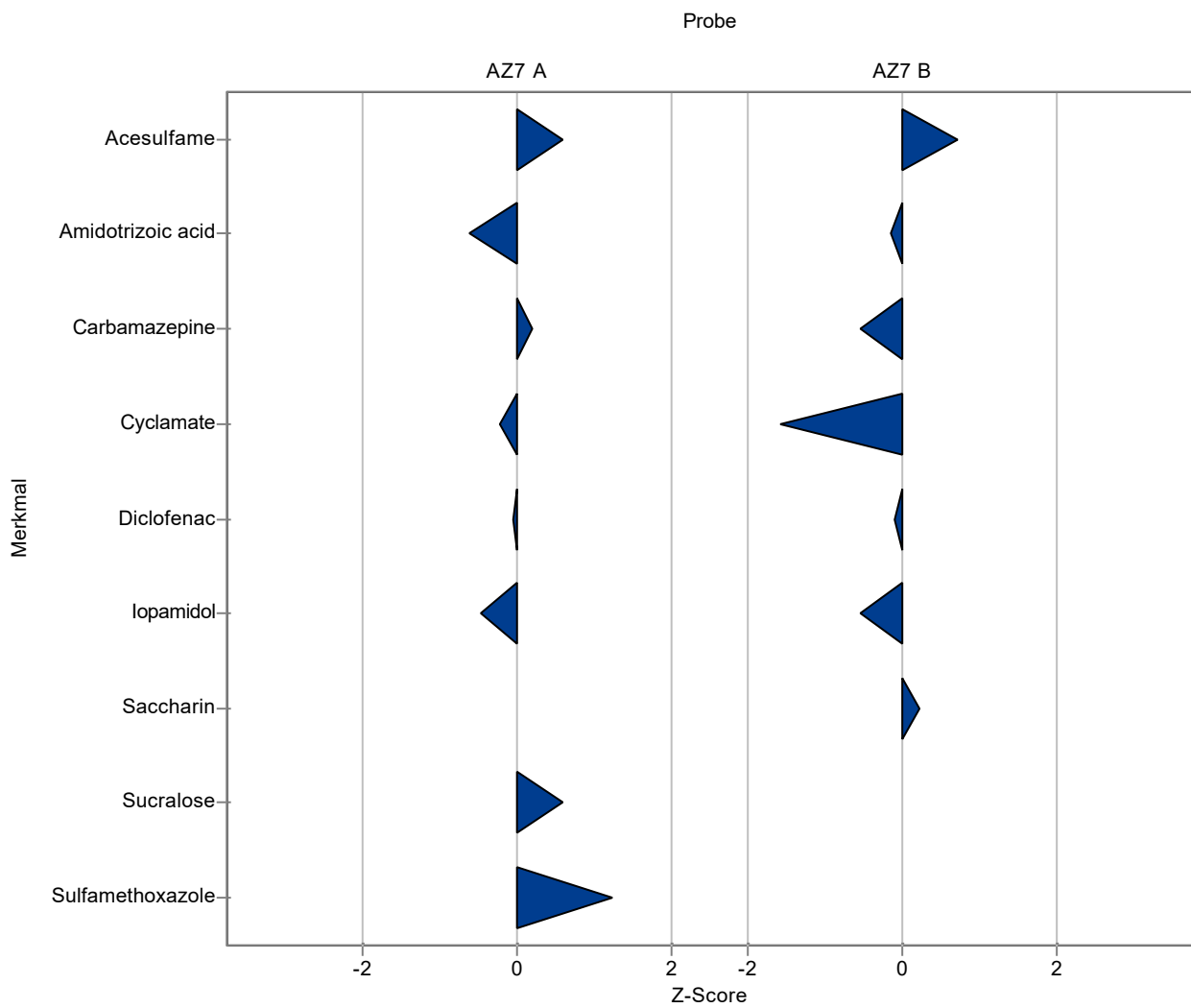
Sample: AZ7A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	µg/l	0.0407 ± 0.00447	- ± -	0.0067	-	-
4-Formylaminoantipyrine	µg/l	0.249 ± 0.0291	- ± -	0.0385	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	0.0843 ± 0.0124	- ± -	0.0175	-	-
Acesulfame	µg/l	0.0657 ± 0.00386	0.0725 ± 0.0013	0.0112	110	0.61
Amidotrizoic acid	µg/l	0.464 ± 0.0635	0.4106 ± 0.086	0.0876	88.5	-0.61
Atenolol	µg/l	0.316 ± 0.0247	- ± -	0.0349	-	-
Benzotriazole	µg/l	0.147 ± 0.00852	- ± -	0.0177	-	-
Bisoprolol	µg/l	- ± -	- ± -	-	-	-
Carbamazepine	µg/l	0.301 ± 0.0116	0.3083 ± 0.03	0.0391	102	0.19
Cyclamate	µg/l	0.0311 ± 0.00459	0.03 ± 0.0022	0.00533	96.4	-0.21
Diazepam	µg/l	- ± -	- ± -	-	-	-
Diclofenac	µg/l	0.229 ± 0.0172	0.228 ± 0.013	0.0321	99.5	-0.03
Ibuprofen	µg/l	0.272 ± 0.0143	- ± -	0.0226	-	-
Iopamidol	µg/l	0.314 ± 0.0414	0.28199 ± 0.065	0.0687	89.9	-0.46
Metoprolol	µg/l	0.147 ± 0.0105	- ± -	0.0368	-	-
Saccharin	µg/l	- ± -	<0.05 (LOQ) ± -	-	-	-
Sotalol	µg/l	0.167 ± 0.0145	- ± -	0.0368	-	-
Sucralose	µg/l	0.337 ± 0.0483	0.3975 ± 0.0083	0.101	118	0.60
Sulfamethoxazole	µg/l	0.208 ± 0.0115	0.2388 ± 0.053	0.0249	115	1.25

Sample: AZ7B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	µg/l	4.4 ± 0.419	- ± -	0.592	-	-
4-Formylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	1.06 ± 0.194	- ± -	0.258	-	-
Acesulfame	µg/l	1.97 ± 0.102	2.213 ± 0.079	0.336	112	0.71
Amidotrizoic acid	µg/l	1.09 ± 0.223	1.0288 ± 0.22	0.378	94.7	-0.15
Atenolol	µg/l	0.377 ± 0.0648	- ± -	0.0792	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Benzotriazole	µg/l	11.1 ± 0.511	- ± -	1.33	-	-
Bisoprolol	µg/l	- ± -	- ± -	-	-	-
Carbamazepine	µg/l	0.426 ± 0.0317	0.3955 ± 0.039	0.0554	92.8	-0.56
Cyclamate	µg/l	0.276 ± 0.0279	0.2175 ± 0.028	0.0369	78.8	-1.59
Diazepam	µg/l	0.382 ± 0.0467	- ± -	0.0618	-	-
Diclofenac	µg/l	2.84 ± 0.103	2.795 ± 0.16	0.398	98.4	-0.12
Ibuprofen	µg/l	0.0835 ± 0.00942	- ± -	0.0117	-	-
lopidol	µg/l	32.8 ± 7.95	26.7169 ± 6.14	11.3	81.3	-0.54
Metoprolol	µg/l	0.235 ± 0.0183	- ± -	0.0587	-	-
Saccharin	µg/l	1.39 ± 0.0833	1.458 ± 0.087	0.306	105	0.22
Sotalol	µg/l	0.206 ± 0.0241	- ± -	0.0452	-	-
Sucralose	µg/l	- ± -	11.485 ± 0.011	-	-	-
Sulfamethoxazole	µg/l	0.0444 ± 0.00343	<0.05 (LOQ) ± -	0.00532	-	-



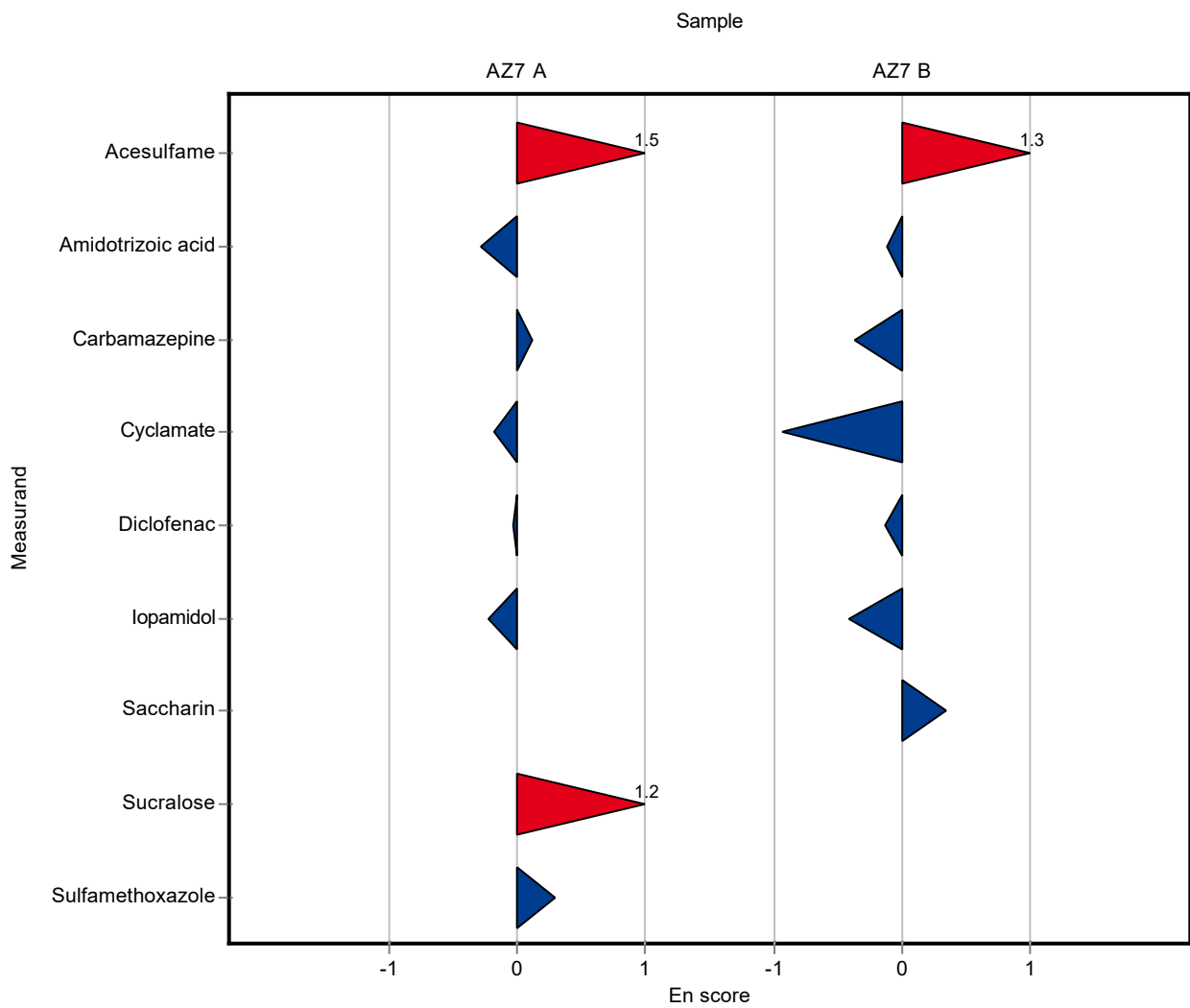
Sample: AZ7A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	µg/l	0.0407 ± 0.00447	- ± -	0.0067	-	-
4-Formylaminoantipyrine	µg/l	0.249 ± 0.0291	- ± -	0.0385	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	0.0843 ± 0.0124	- ± -	0.0175	-	-
Acesulfame	µg/l	0.0657 ± 0.00386	0.0725 ± 0.0013	0.0112	110	1.46
Amidotrizoic acid	µg/l	0.464 ± 0.0635	0.4106 ± 0.086	0.0876	88.5	-0.29
Atenolol	µg/l	0.316 ± 0.0247	- ± -	0.0349	-	-
Benzotriazole	µg/l	0.147 ± 0.00852	- ± -	0.0177	-	-
Bisoprolol	µg/l	- ± -	- ± -	-	-	-
Carbamazepine	µg/l	0.301 ± 0.0116	0.3083 ± 0.03	0.0391	102	0.12
Cyclamate	µg/l	0.0311 ± 0.00459	0.03 ± 0.0022	0.00533	96.4	-0.17
Diazepam	µg/l	- ± -	- ± -	-	-	-
Diclofenac	µg/l	0.229 ± 0.0172	0.228 ± 0.013	0.0321	99.5	-0.04
Ibuprofen	µg/l	0.272 ± 0.0143	- ± -	0.0226	-	-
Iopamidol	µg/l	0.314 ± 0.0414	0.28199 ± 0.065	0.0687	89.9	-0.23
Metoprolol	µg/l	0.147 ± 0.0105	- ± -	0.0368	-	-
Saccharin	µg/l	- ± -	<0.05 (LOQ) ± -	-	-	-
Sotalol	µg/l	0.167 ± 0.0145	- ± -	0.0368	-	-
Sucralose	µg/l	0.337 ± 0.0483	0.3975 ± 0.0083	0.101	118	1.19
Sulfamethoxazole	µg/l	0.208 ± 0.0115	0.2388 ± 0.053	0.0249	115	0.29

Sample: AZ7B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	µg/l	4.4 ± 0.419	- ± -	0.592	-	-
4-Formylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	1.06 ± 0.194	- ± -	0.258	-	-
Acesulfame	µg/l	1.97 ± 0.102	2.213 ± 0.079	0.336	112	1.27
Amidotrizoic acid	µg/l	1.09 ± 0.223	1.0288 ± 0.22	0.378	94.7	-0.12
Atenolol	µg/l	0.377 ± 0.0648	- ± -	0.0792	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion Recovery	En-Score [%]	
Benzotriazole	µg/l	11.1 ± 0.511	- ± -	1.33	-	-
Bisoprolol	µg/l	- ± -	- ± -	-	-	-
Carbamazepine	µg/l	0.426 ± 0.0317	0.3955 ± 0.039	0.0554	92.8	-0.37
Cyclamate	µg/l	0.276 ± 0.0279	0.2175 ± 0.028	0.0369	78.8	-0.94
Diazepam	µg/l	0.382 ± 0.0467	- ± -	0.0618	-	-
Diclofenac	µg/l	2.84 ± 0.103	2.795 ± 0.16	0.398	98.4	-0.14
Ibuprofen	µg/l	0.0835 ± 0.00942	- ± -	0.0117	-	-
Iopamidol	µg/l	32.8 ± 7.95	26.7169 ± 6.14	11.3	81.3	-0.42
Metoprolol	µg/l	0.235 ± 0.0183	- ± -	0.0587	-	-
Saccharin	µg/l	1.39 ± 0.0833	1.458 ± 0.087	0.306	105	0.34
Sotalol	µg/l	0.206 ± 0.0241	- ± -	0.0452	-	-
Sucralose	µg/l	- ± -	11.485 ± 0.011	-	-	-
Sulfamethoxazole	µg/l	0.0444 ± 0.00343	<0.05 (LOQ) ± -	0.00532	-	-



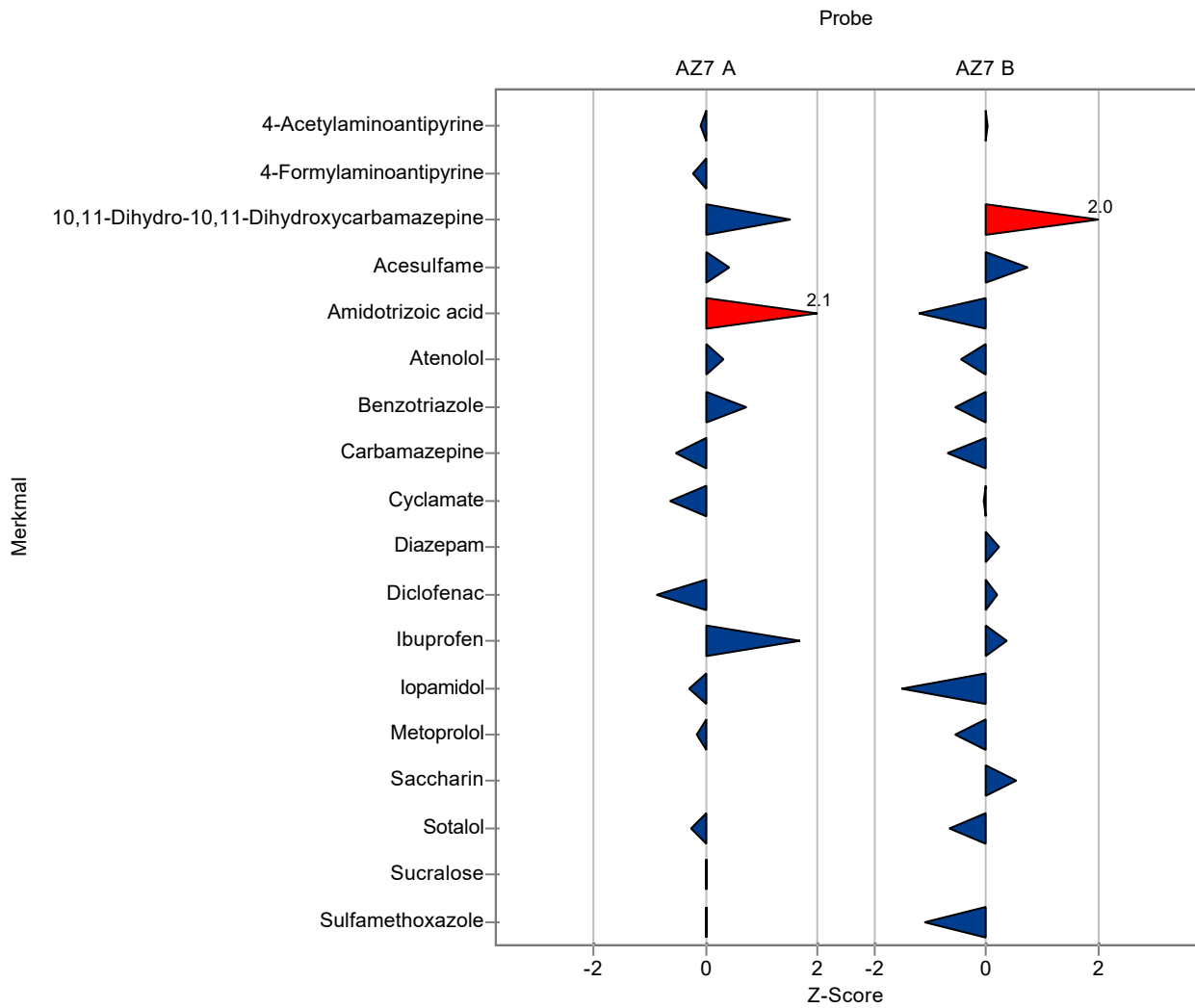
Sample: AZ7A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	µg/l	0.0407 ± 0.00447	0.04 ± 0.01	0.0067	98.3	-0.10
4-Formylaminoantipyrine	µg/l	0.249 ± 0.0291	0.2408 ± 0.05	0.0385	96.6	-0.22
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	0.0843 ± 0.0124	0.1108 ± 0.02	0.0175	131	1.52
Acesulfame	µg/l	0.0657 ± 0.00386	0.0703 ± 0.01	0.0112	107	0.41
Amidotrizoic acid	µg/l	0.464 ± 0.0635	0.6435 ± 0.13	0.0876	139	2.05
Atenolol	µg/l	0.316 ± 0.0247	0.3273 ± 0.07	0.0349	104	0.33
Benzotriazole	µg/l	0.147 ± 0.00852	0.1598 ± 0.03	0.0177	109	0.71
Bisoprolol	µg/l	- ± -	0.1513 ± 0.03	-	-	-
Carbamazepine	µg/l	0.301 ± 0.0116	0.2795 ± 0.06	0.0391	92.9	-0.54
Cyclamate	µg/l	0.0311 ± 0.00459	0.0276 ± 0.01	0.00533	88.7	-0.66
Diazepam	µg/l	- ± -	<0.02 (LOQ) ± -	-	-	-
Diclofenac	µg/l	0.229 ± 0.0172	0.2005 ± 0.04	0.0321	87.5	-0.89
Ibuprofen	µg/l	0.272 ± 0.0143	0.3093 ± 0.06	0.0226	114	1.66
Iopamidol	µg/l	0.314 ± 0.0414	0.2918 ± 0.06	0.0687	93.1	-0.32
Metoprolol	µg/l	0.147 ± 0.0105	0.141 ± 0.03	0.0368	95.7	-0.17
Saccharin	µg/l	- ± -	0.0174 ± 0.01	-	-	-
Sotalol	µg/l	0.167 ± 0.0145	0.158 ± 0.03	0.0368	94.5	-0.25
Sucralose	µg/l	0.337 ± 0.0483	0.3358 ± 0.07	0.101	99.7	-0.01
Sulfamethoxazole	µg/l	0.208 ± 0.0115	0.2078 ± 0.04	0.0249	100	0.00

Sample: AZ7B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	µg/l	4.4 ± 0.419	4.405 ± 0.88	0.592	100	0.01
4-Formylaminoantipyrine	µg/l	- ± -	3.425 ± 0.69	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	1.06 ± 0.194	1.58 ± 0.32	0.258	150	2.03
Acesulfame	µg/l	1.97 ± 0.102	2.2212 ± 0.44	0.336	112	0.73
Amidotrizoic acid	µg/l	1.09 ± 0.223	0.635 ± 0.13	0.378	58.5	-1.19
Atenolol	µg/l	0.377 ± 0.0648	0.3428 ± 0.07	0.0792	90.9	-0.43

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Benzotriazole	µg/l	11.1 ± 0.511	10.3585 ± 2.07	1.33	93.2	-0.56
Bisoprolol	µg/l	- ± -	0.2695 ± 0.05	-	-	-
Carbamazepine	µg/l	0.426 ± 0.0317	0.3873 ± 0.08	0.0554	90.8	-0.70
Cyclamate	µg/l	0.276 ± 0.0279	0.2744 ± 0.05	0.0369	99.4	-0.05
Diazepam	µg/l	0.382 ± 0.0467	0.3963 ± 0.08	0.0618	104	0.23
Diclofenac	µg/l	2.84 ± 0.103	2.925 ± 0.59	0.398	103	0.21
Ibuprofen	µg/l	0.0835 ± 0.00942	0.088 ± 0.02	0.0117	105	0.39
Iopamidol	µg/l	32.8 ± 7.95	15.715 ± 3.14	11.3	47.8	-1.51
Metoprolol	µg/l	0.235 ± 0.0183	0.2015 ± 0.04	0.0587	85.8	-0.57
Saccharin	µg/l	1.39 ± 0.0833	1.5576 ± 0.31	0.306	112	0.54
Sotalol	µg/l	0.206 ± 0.0241	0.1753 ± 0.04	0.0452	85.3	-0.67
Sucralose	µg/l	- ± -	10.9418 ± 2.19	-	-	-
Sulfamethoxazole	µg/l	0.0444 ± 0.00343	0.0385 ± 0.01	0.00532	86.8	-1.10



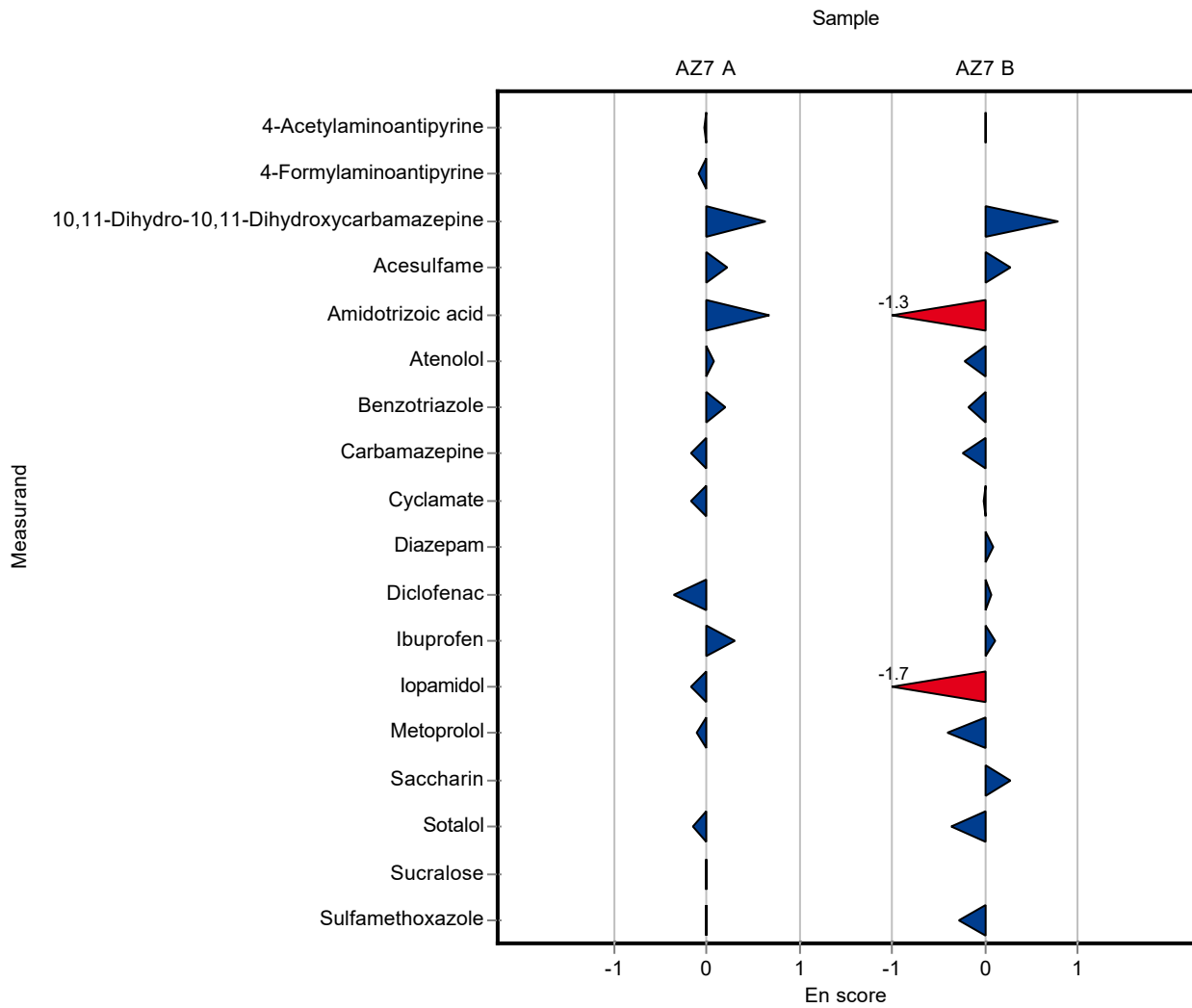
Sample: AZ7A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	µg/l	0.0407 ± 0.00447	0.04 ± 0.01	0.0067	98.3	-0.03
4-Formylaminoantipyrine	µg/l	0.249 ± 0.0291	0.2408 ± 0.05	0.0385	96.6	-0.08
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	0.0843 ± 0.0124	0.1108 ± 0.02	0.0175	131	0.63
Acesulfame	µg/l	0.0657 ± 0.00386	0.0703 ± 0.01	0.0112	107	0.23
Amidotrizoic acid	µg/l	0.464 ± 0.0635	0.6435 ± 0.13	0.0876	139	0.67
Atenolol	µg/l	0.316 ± 0.0247	0.3273 ± 0.07	0.0349	104	0.08
Benzotriazole	µg/l	0.147 ± 0.00852	0.1598 ± 0.03	0.0177	109	0.21
Bisoprolol	µg/l	- ± -	0.1513 ± 0.03	-	-	-
Carbamazepine	µg/l	0.301 ± 0.0116	0.2795 ± 0.06	0.0391	92.9	-0.18
Cyclamate	µg/l	0.0311 ± 0.00459	0.0276 ± 0.01	0.00533	88.7	-0.17
Diazepam	µg/l	- ± -	<0.02 (LOQ) ± -	-	-	-
Diclofenac	µg/l	0.229 ± 0.0172	0.2005 ± 0.04	0.0321	87.5	-0.35
Ibuprofen	µg/l	0.272 ± 0.0143	0.3093 ± 0.06	0.0226	114	0.31
Iopamidol	µg/l	0.314 ± 0.0414	0.2918 ± 0.06	0.0687	93.1	-0.17
Metoprolol	µg/l	0.147 ± 0.0105	0.141 ± 0.03	0.0368	95.7	-0.10
Saccharin	µg/l	- ± -	0.0174 ± 0.01	-	-	-
Sotalol	µg/l	0.167 ± 0.0145	0.158 ± 0.03	0.0368	94.5	-0.15
Sucralose	µg/l	0.337 ± 0.0483	0.3358 ± 0.07	0.101	99.7	-0.01
Sulfamethoxazole	µg/l	0.208 ± 0.0115	0.2078 ± 0.04	0.0249	100	0.00

Sample: AZ7B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	µg/l	4.4 ± 0.419	4.405 ± 0.88	0.592	100	0.00
4-Formylaminoantipyrine	µg/l	- ± -	3.425 ± 0.69	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	1.06 ± 0.194	1.58 ± 0.32	0.258	150	0.78
Acesulfame	µg/l	1.97 ± 0.102	2.2212 ± 0.44	0.336	112	0.28
Amidotrizoic acid	µg/l	1.09 ± 0.223	0.635 ± 0.13	0.378	58.5	-1.32
Atenolol	µg/l	0.377 ± 0.0648	0.3428 ± 0.07	0.0792	90.9	-0.22

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Benzotriazole	µg/l	11.1 ± 0.511	10.3585 ± 2.07	1.33	93.2	-0.18
Bisoprolol	µg/l	- ± -	0.2695 ± 0.05	-	-	-
Carbamazepine	µg/l	0.426 ± 0.0317	0.3873 ± 0.08	0.0554	90.8	-0.24
Cyclamate	µg/l	0.276 ± 0.0279	0.2744 ± 0.05	0.0369	99.4	-0.02
Diazepam	µg/l	0.382 ± 0.0467	0.3963 ± 0.08	0.0618	104	0.09
Diclofenac	µg/l	2.84 ± 0.103	2.925 ± 0.59	0.398	103	0.07
Ibuprofen	µg/l	0.0835 ± 0.00942	0.088 ± 0.02	0.0117	105	0.11
Iopamidol	µg/l	32.8 ± 7.95	15.715 ± 3.14	11.3	47.8	-1.69
Metoprolol	µg/l	0.235 ± 0.0183	0.2015 ± 0.04	0.0587	85.8	-0.41
Saccharin	µg/l	1.39 ± 0.0833	1.5576 ± 0.31	0.306	112	0.27
Sotalol	µg/l	0.206 ± 0.0241	0.1753 ± 0.04	0.0452	85.3	-0.36
Sucralose	µg/l	- ± -	10.9418 ± 2.19	-	-	-
Sulfamethoxazole	µg/l	0.0444 ± 0.00343	0.0385 ± 0.01	0.00532	86.8	-0.29



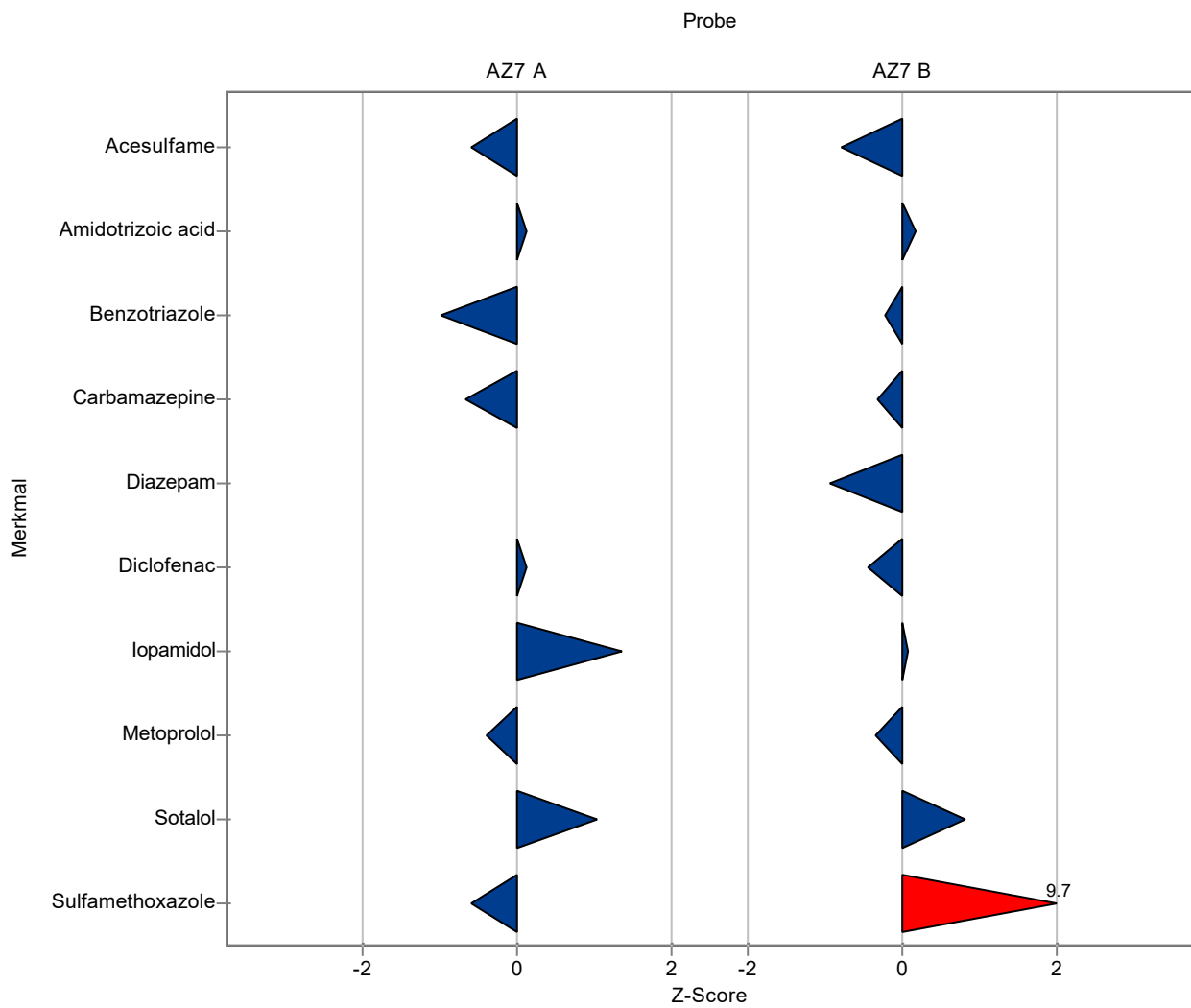
Sample: AZ7A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	µg/l	0.0407 ± 0.00447	- ± -	0.0067	-	-
4-Formylaminoantipyrine	µg/l	0.249 ± 0.0291	- ± -	0.0385	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	0.0843 ± 0.0124	- ± -	0.0175	-	-
Acesulfame	µg/l	0.0657 ± 0.00386	0.059 ± 0.012	0.0112	89.8	-0.60
Amidotrizoic acid	µg/l	0.464 ± 0.0635	0.476 ± 0.095	0.0876	103	0.14
Atenolol	µg/l	0.316 ± 0.0247	- ± -	0.0349	-	-
Benzotriazole	µg/l	0.147 ± 0.00852	0.13 ± 0.026	0.0177	88.3	-0.98
Bisoprolol	µg/l	- ± -	- ± -	-	-	-
Carbamazepine	µg/l	0.301 ± 0.0116	0.275 ± 0.055	0.0391	91.4	-0.66
Cyclamate	µg/l	0.0311 ± 0.00459	- ± -	0.00533	-	-
Diazepam	µg/l	- ± -	<0.01 (LOQ) ± -	-	-	-
Diclofenac	µg/l	0.229 ± 0.0172	0.233 ± 0.047	0.0321	102	0.12
Ibuprofen	µg/l	0.272 ± 0.0143	- ± -	0.0226	-	-
Iopamidol	µg/l	0.314 ± 0.0414	0.408 ± 0.082	0.0687	130	1.38
Metoprolol	µg/l	0.147 ± 0.0105	0.133 ± 0.027	0.0368	90.3	-0.39
Saccharin	µg/l	- ± -	- ± -	-	-	-
Sotalol	µg/l	0.167 ± 0.0145	0.206 ± 0.041	0.0368	123	1.05
Sucralose	µg/l	0.337 ± 0.0483	- ± -	0.101	-	-
Sulfamethoxazole	µg/l	0.208 ± 0.0115	0.193 ± 0.039	0.0249	92.9	-0.59

Sample: AZ7B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	µg/l	4.4 ± 0.419	- ± -	0.592	-	-
4-Formylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	1.06 ± 0.194	- ± -	0.258	-	-
Acesulfame	µg/l	1.97 ± 0.102	1.71 ± 0.342	0.336	86.6	-0.79
Amidotrizoic acid	µg/l	1.09 ± 0.223	1.15 ± 0.229	0.378	106	0.17
Atenolol	µg/l	0.377 ± 0.0648	- ± -	0.0792	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Benzotriazole	µg/l	11.1 ± 0.511	10.8 ± 2.15	1.33	97.2	-0.23
Bisoprolol	µg/l	- ± -	- ± -	-	-	-
Carbamazepine	µg/l	0.426 ± 0.0317	0.408 ± 0.082	0.0554	95.7	-0.33
Cyclamate	µg/l	0.276 ± 0.0279	- ± -	0.0369	-	-
Diazepam	µg/l	0.382 ± 0.0467	0.324 ± 0.065	0.0618	84.8	-0.94
Diclofenac	µg/l	2.84 ± 0.103	2.66 ± 0.531	0.398	93.6	-0.45
Ibuprofen	µg/l	0.0835 ± 0.00942	- ± -	0.0117	-	-
lopidol	µg/l	32.8 ± 7.95	33.7 ± 6.73	11.3	103	0.08
Metoprolol	µg/l	0.235 ± 0.0183	0.214 ± 0.043	0.0587	91.1	-0.36
Saccharin	µg/l	1.39 ± 0.0833	- ± -	0.306	-	-
Sotalol	µg/l	0.206 ± 0.0241	0.242 ± 0.048	0.0452	118	0.81
Sucralose	µg/l	- ± -	- ± -	-	-	-
Sulfamethoxazole	µg/l	0.0444 ± 0.00343	0.096 ± 0.019	0.00532	216	9.70



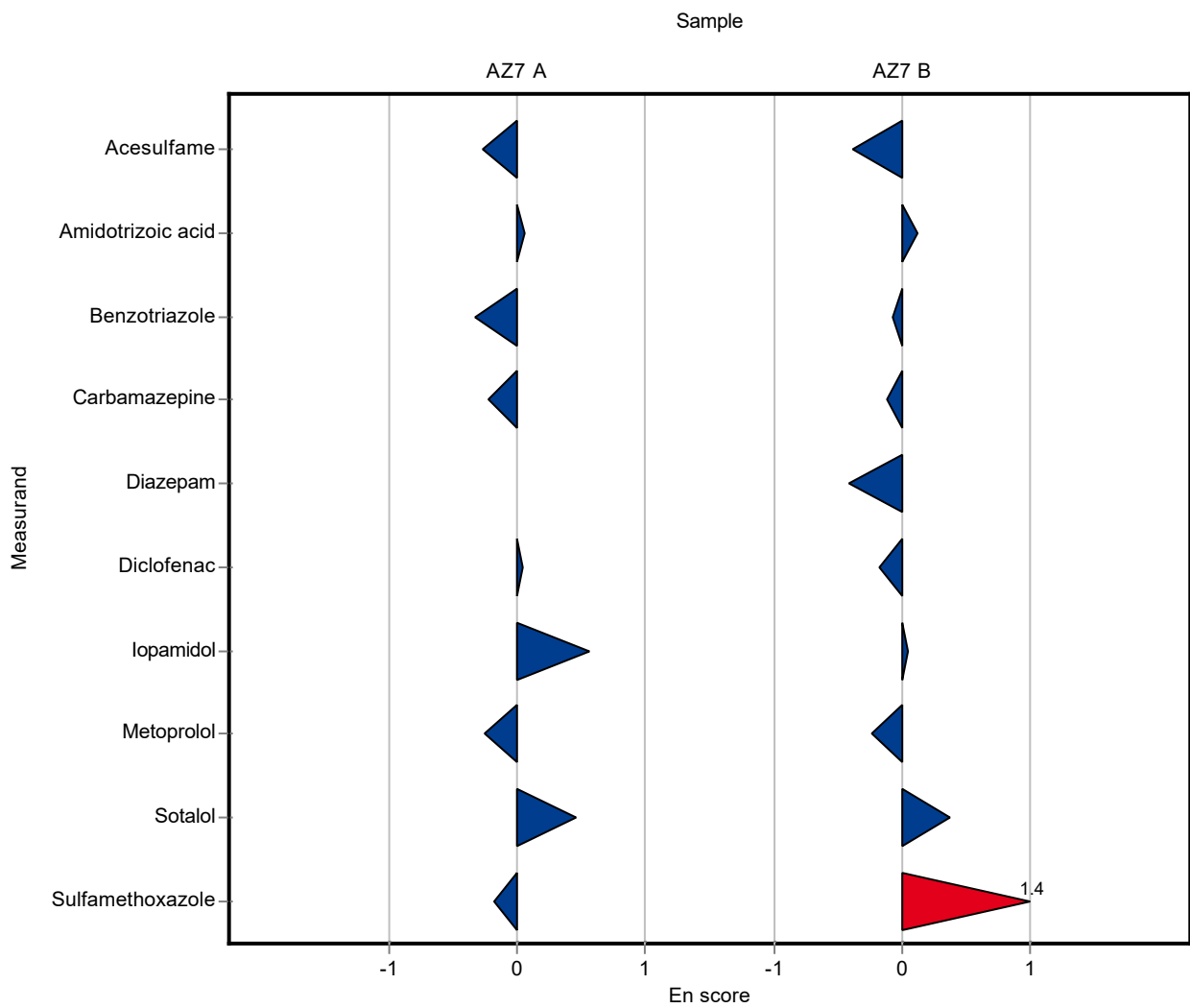
Sample: AZ7A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	µg/l	0.0407 ± 0.00447	- ± -	0.0067	-	-
4-Formylaminoantipyrine	µg/l	0.249 ± 0.0291	- ± -	0.0385	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	0.0843 ± 0.0124	- ± -	0.0175	-	-
Acesulfame	µg/l	0.0657 ± 0.00386	0.059 ± 0.012	0.0112	89.8	-0.28
Amidotrizoic acid	µg/l	0.464 ± 0.0635	0.476 ± 0.095	0.0876	103	0.06
Atenolol	µg/l	0.316 ± 0.0247	- ± -	0.0349	-	-
Benzotriazole	µg/l	0.147 ± 0.00852	0.13 ± 0.026	0.0177	88.3	-0.33
Bisoprolol	µg/l	- ± -	- ± -	-	-	-
Carbamazepine	µg/l	0.301 ± 0.0116	0.275 ± 0.055	0.0391	91.4	-0.23
Cyclamate	µg/l	0.0311 ± 0.00459	- ± -	0.00533	-	-
Diazepam	µg/l	- ± -	<0.01 (LOQ) ± -	-	-	-
Diclofenac	µg/l	0.229 ± 0.0172	0.233 ± 0.047	0.0321	102	0.04
Ibuprofen	µg/l	0.272 ± 0.0143	- ± -	0.0226	-	-
Iopamidol	µg/l	0.314 ± 0.0414	0.408 ± 0.082	0.0687	130	0.56
Metoprolol	µg/l	0.147 ± 0.0105	0.133 ± 0.027	0.0368	90.3	-0.26
Saccharin	µg/l	- ± -	- ± -	-	-	-
Sotalol	µg/l	0.167 ± 0.0145	0.206 ± 0.041	0.0368	123	0.47
Sucralose	µg/l	0.337 ± 0.0483	- ± -	0.101	-	-
Sulfamethoxazole	µg/l	0.208 ± 0.0115	0.193 ± 0.039	0.0249	92.9	-0.19

Sample: AZ7B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	µg/l	4.4 ± 0.419	- ± -	0.592	-	-
4-Formylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	1.06 ± 0.194	- ± -	0.258	-	-
Acesulfame	µg/l	1.97 ± 0.102	1.71 ± 0.342	0.336	86.6	-0.38
Amidotrizoic acid	µg/l	1.09 ± 0.223	1.15 ± 0.229	0.378	106	0.13
Atenolol	µg/l	0.377 ± 0.0648	- ± -	0.0792	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Benzotriazole	µg/l	11.1 ± 0.511	10.8 ± 2.15	1.33	97.2	-0.07
Bisoprolol	µg/l	- ± -	- ± -	-	-	-
Carbamazepine	µg/l	0.426 ± 0.0317	0.408 ± 0.082	0.0554	95.7	-0.11
Cyclamate	µg/l	0.276 ± 0.0279	- ± -	0.0369	-	-
Diazepam	µg/l	0.382 ± 0.0467	0.324 ± 0.065	0.0618	84.8	-0.42
Diclofenac	µg/l	2.84 ± 0.103	2.66 ± 0.531	0.398	93.6	-0.17
Ibuprofen	µg/l	0.0835 ± 0.00942	- ± -	0.0117	-	-
Iopamidol	µg/l	32.8 ± 7.95	33.7 ± 6.73	11.3	103	0.05
Metoprolol	µg/l	0.235 ± 0.0183	0.214 ± 0.043	0.0587	91.1	-0.24
Saccharin	µg/l	1.39 ± 0.0833	- ± -	0.306	-	-
Sotalol	µg/l	0.206 ± 0.0241	0.242 ± 0.048	0.0452	118	0.37
Sucralose	µg/l	- ± -	- ± -	-	-	-
Sulfamethoxazole	µg/l	0.0444 ± 0.00343	0.096 ± 0.019	0.00532	216	1.35



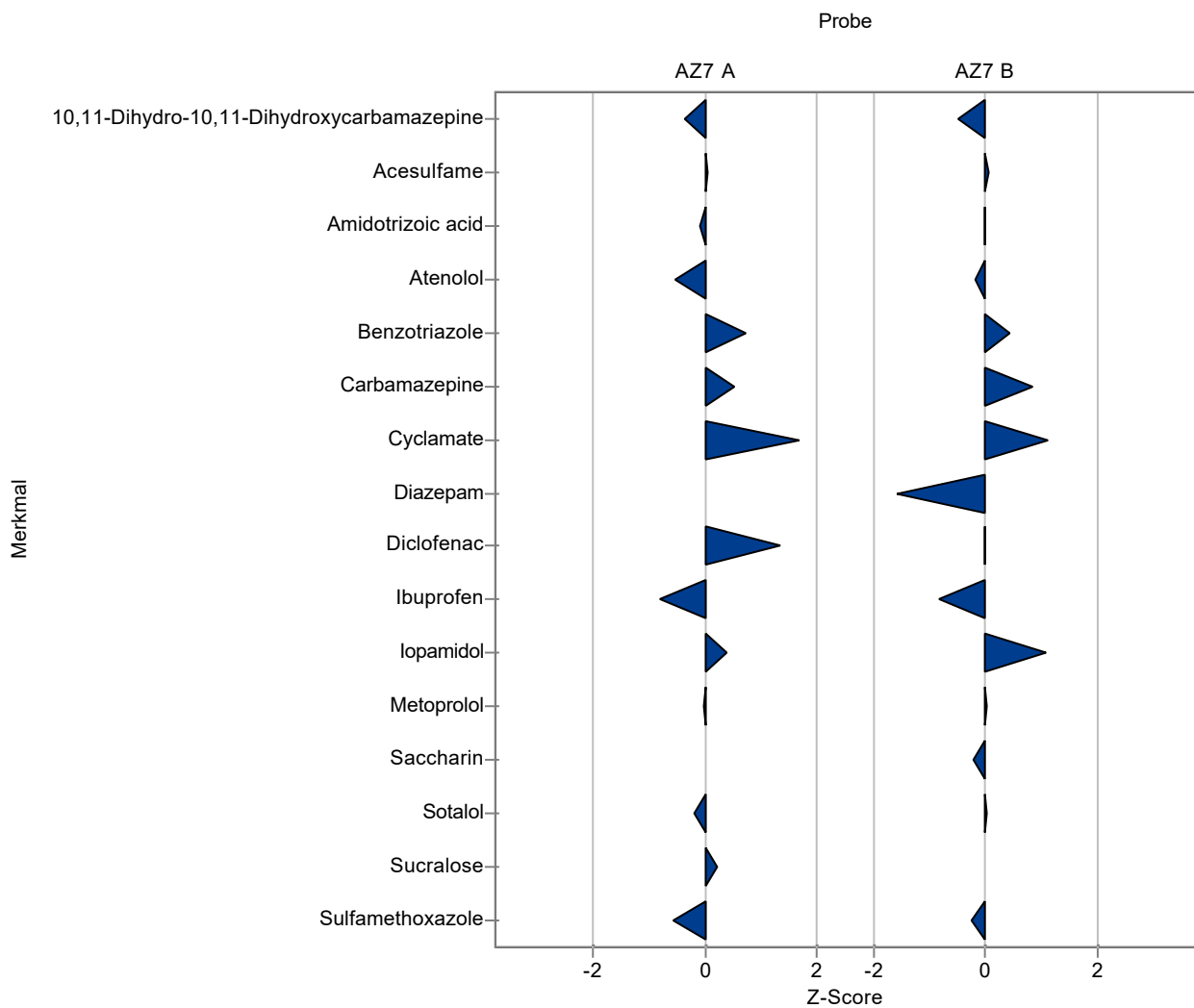
Sample: AZ7A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	µg/l	0.0407 ± 0.00447	- ± -	0.0067	-	-
4-Formylaminoantipyrine	µg/l	0.249 ± 0.0291	- ± -	0.0385	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	0.0843 ± 0.0124	0.078 ± 0.016	0.0175	92.6	-0.36
Acesulfame	µg/l	0.0657 ± 0.00386	0.066 ± 0.012	0.0112	100	0.03
Amidotrizoic acid	µg/l	0.464 ± 0.0635	0.456 ± 0.091	0.0876	98.3	-0.09
Atenolol	µg/l	0.316 ± 0.0247	0.297 ± 0.059	0.0349	94	-0.54
Benzotriazole	µg/l	0.147 ± 0.00852	0.16 ± 0.032	0.0177	109	0.72
Bisoprolol	µg/l	- ± -	- ± -	-	-	-
Carbamazepine	µg/l	0.301 ± 0.0116	0.321 ± 0.064	0.0391	107	0.52
Cyclamate	µg/l	0.0311 ± 0.00459	0.04 ± 0.011	0.00533	129	1.67
Diazepam	µg/l	- ± -	<0.01 (LOQ) ± -	-	-	-
Diclofenac	µg/l	0.229 ± 0.0172	0.272 ± 0.054	0.0321	119	1.34
Ibuprofen	µg/l	0.272 ± 0.0143	0.253 ± 0.051	0.0226	93.1	-0.82
Iopamidol	µg/l	0.314 ± 0.0414	0.34 ± 0.068	0.0687	108	0.39
Metoprolol	µg/l	0.147 ± 0.0105	0.146 ± 0.029	0.0368	99.1	-0.04
Saccharin	µg/l	- ± -	0.016 ± 0.004	-	-	-
Sotalol	µg/l	0.167 ± 0.0145	0.16 ± 0.032	0.0368	95.7	-0.20
Sucralose	µg/l	0.337 ± 0.0483	0.359 ± 0.072	0.101	107	0.22
Sulfamethoxazole	µg/l	0.208 ± 0.0115	0.193 ± 0.039	0.0249	92.9	-0.59

Sample: AZ7B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	µg/l	4.4 ± 0.419	- ± -	0.592	-	-
4-Formylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	1.06 ± 0.194	0.932 ± 0.186	0.258	88.3	-0.48
Acesulfame	µg/l	1.97 ± 0.102	1.994 ± 0.359	0.336	101	0.06
Amidotrizoic acid	µg/l	1.09 ± 0.223	1.088 ± 0.218	0.378	100	0.00
Atenolol	µg/l	0.377 ± 0.0648	0.362 ± 0.072	0.0792	95.9	-0.19

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Benzotriazole	µg/l	11.1 ± 0.511	11.69 ± 2.34	1.33	105	0.43
Bisoprolol	µg/l	- ± -	- ± -	-	-	-
Carbamazepine	µg/l	0.426 ± 0.0317	0.473 ± 0.095	0.0554	111	0.84
Cyclamate	µg/l	0.276 ± 0.0279	0.317 ± 0.086	0.0369	115	1.11
Diazepam	µg/l	0.382 ± 0.0467	0.284 ± 0.057	0.0618	74.3	-1.59
Diclofenac	µg/l	2.84 ± 0.103	2.844 ± 0.569	0.398	100	0.01
Ibuprofen	µg/l	0.0835 ± 0.00942	0.074 ± 0.015	0.0117	88.6	-0.81
lopanidol	µg/l	32.8 ± 7.95	45.2 ± 9.04	11.3	138	1.09
Metoprolol	µg/l	0.235 ± 0.0183	0.237 ± 0.047	0.0587	101	0.04
Saccharin	µg/l	1.39 ± 0.0833	1.324 ± 0.331	0.306	95.1	-0.22
Sotalol	µg/l	0.206 ± 0.0241	0.207 ± 0.041	0.0452	101	0.03
Sucralose	µg/l	- ± -	10.23 ± 2.05	-	-	-
Sulfamethoxazole	µg/l	0.0444 ± 0.00343	0.043 ± 0.009	0.00532	96.9	-0.26



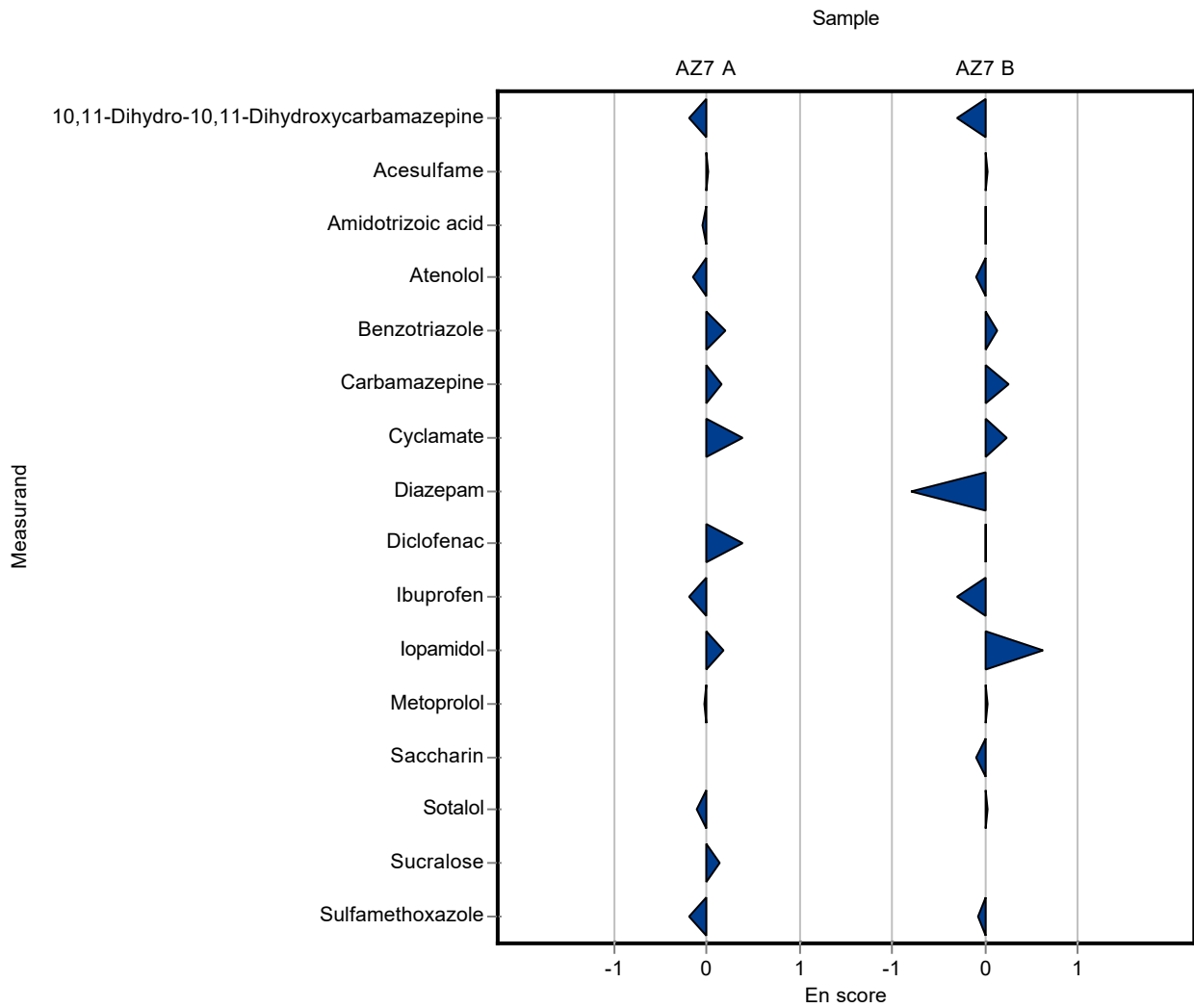
Sample: AZ7A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	µg/l	0.0407 ± 0.00447	- ± -	0.0067	-	-
4-Formylaminoantipyrine	µg/l	0.249 ± 0.0291	- ± -	0.0385	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	0.0843 ± 0.0124	0.078 ± 0.016	0.0175	92.6	-0.18
Acesulfame	µg/l	0.0657 ± 0.00386	0.066 ± 0.012	0.0112	100	0.01
Amidotrizoic acid	µg/l	0.464 ± 0.0635	0.456 ± 0.091	0.0876	98.3	-0.04
Atenolol	µg/l	0.316 ± 0.0247	0.297 ± 0.059	0.0349	94	-0.16
Benzotriazole	µg/l	0.147 ± 0.00852	0.16 ± 0.032	0.0177	109	0.20
Bisoprolol	µg/l	- ± -	- ± -	-	-	-
Carbamazepine	µg/l	0.301 ± 0.0116	0.321 ± 0.064	0.0391	107	0.16
Cyclamate	µg/l	0.0311 ± 0.00459	0.04 ± 0.011	0.00533	129	0.40
Diazepam	µg/l	- ± -	<0.01 (LOQ) ± -	-	-	-
Diclofenac	µg/l	0.229 ± 0.0172	0.272 ± 0.054	0.0321	119	0.39
Ibuprofen	µg/l	0.272 ± 0.0143	0.253 ± 0.051	0.0226	93.1	-0.18
Iopamidol	µg/l	0.314 ± 0.0414	0.34 ± 0.068	0.0687	108	0.19
Metoprolol	µg/l	0.147 ± 0.0105	0.146 ± 0.029	0.0368	99.1	-0.02
Saccharin	µg/l	- ± -	0.016 ± 0.004	-	-	-
Sotalol	µg/l	0.167 ± 0.0145	0.16 ± 0.032	0.0368	95.7	-0.11
Sucralose	µg/l	0.337 ± 0.0483	0.359 ± 0.072	0.101	107	0.15
Sulfamethoxazole	µg/l	0.208 ± 0.0115	0.193 ± 0.039	0.0249	92.9	-0.19

Sample: AZ7B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	µg/l	4.4 ± 0.419	- ± -	0.592	-	-
4-Formylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	1.06 ± 0.194	0.932 ± 0.186	0.258	88.3	-0.29
Acesulfame	µg/l	1.97 ± 0.102	1.994 ± 0.359	0.336	101	0.03
Amidotrizoic acid	µg/l	1.09 ± 0.223	1.088 ± 0.218	0.378	100	0.00
Atenolol	µg/l	0.377 ± 0.0648	0.362 ± 0.072	0.0792	95.9	-0.10

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Benzotriazole	µg/l	11.1 ± 0.511	11.69 ± 2.34	1.33	105	0.12
Bisoprolol	µg/l	- ± -	- ± -	-	-	-
Carbamazepine	µg/l	0.426 ± 0.0317	0.473 ± 0.095	0.0554	111	0.24
Cyclamate	µg/l	0.276 ± 0.0279	0.317 ± 0.086	0.0369	115	0.23
Diazepam	µg/l	0.382 ± 0.0467	0.284 ± 0.057	0.0618	74.3	-0.80
Diclofenac	µg/l	2.84 ± 0.103	2.844 ± 0.569	0.398	100	0.00
Ibuprofen	µg/l	0.0835 ± 0.00942	0.074 ± 0.015	0.0117	88.6	-0.30
Iopamidol	µg/l	32.8 ± 7.95	45.2 ± 9.04	11.3	138	0.63
Metoprolol	µg/l	0.235 ± 0.0183	0.237 ± 0.047	0.0587	101	0.02
Saccharin	µg/l	1.39 ± 0.0833	1.324 ± 0.331	0.306	95.1	-0.10
Sotalol	µg/l	0.206 ± 0.0241	0.207 ± 0.041	0.0452	101	0.02
Sucralose	µg/l	- ± -	10.23 ± 2.05	-	-	-
Sulfamethoxazole	µg/l	0.0444 ± 0.00343	0.043 ± 0.009	0.00532	96.9	-0.07



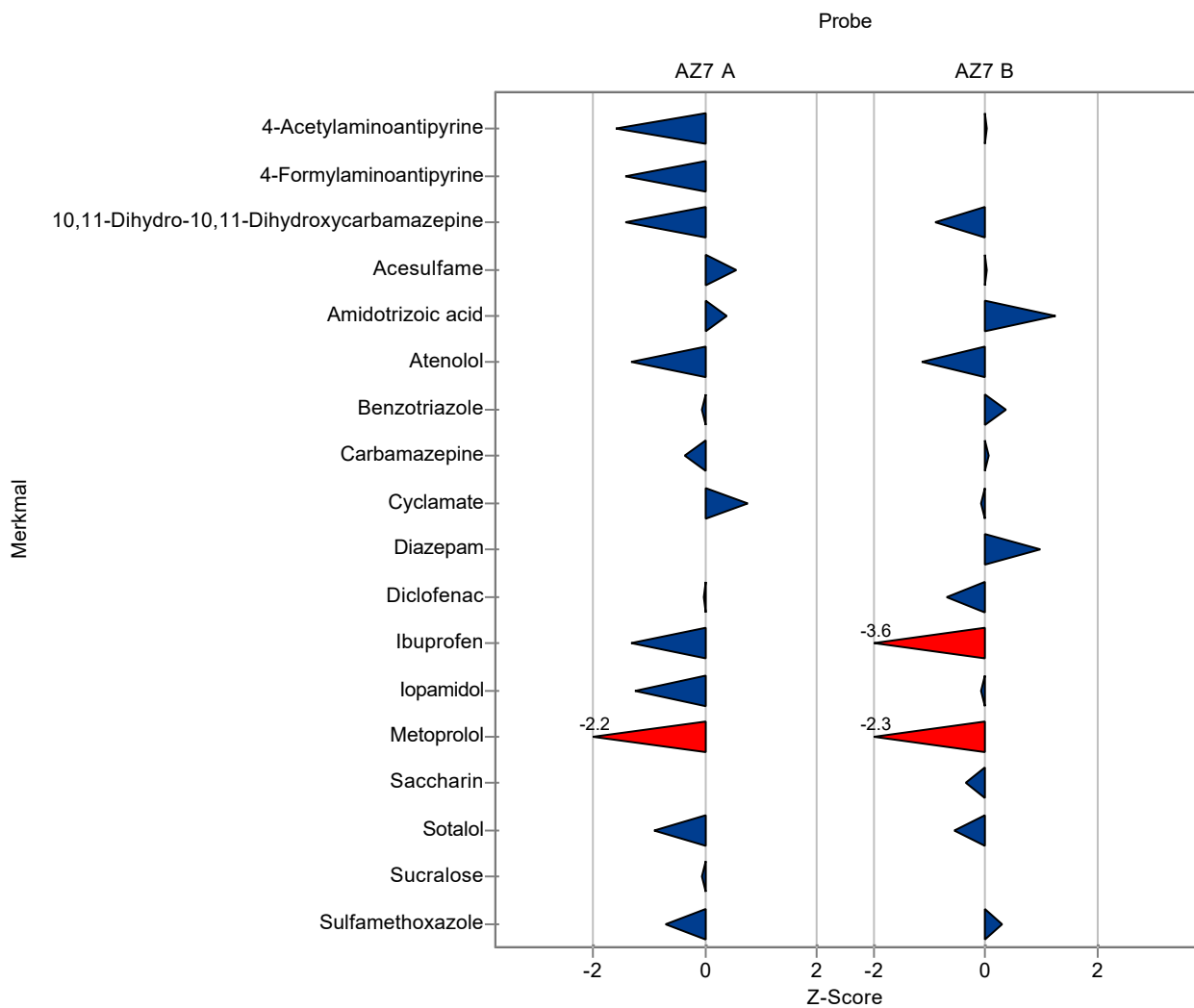
Sample: AZ7A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	µg/l	0.0407 ± 0.00447	0.03 ± 0.0026	0.0067	73.8	-1.59
4-Formylaminoantipyrine	µg/l	0.249 ± 0.0291	0.194 ± 0.017	0.0385	77.8	-1.43
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	0.0843 ± 0.0124	0.059 ± 0.0052	0.0175	70	-1.44
Acesulfame	µg/l	0.0657 ± 0.00386	0.072 ± 0.0063	0.0112	110	0.56
Amidotrizoic acid	µg/l	0.464 ± 0.0635	0.498 ± 0.044	0.0876	107	0.39
Atenolol	µg/l	0.316 ± 0.0247	0.27 ± 0.024	0.0349	85.5	-1.32
Benzotriazole	µg/l	0.147 ± 0.00852	0.146 ± 0.013	0.0177	99.1	-0.07
Bisoprolol	µg/l	- ± -	- ± -	-	-	-
Carbamazepine	µg/l	0.301 ± 0.0116	0.287 ± 0.025	0.0391	95.4	-0.35
Cyclamate	µg/l	0.0311 ± 0.00459	0.0352 ± 0.0031	0.00533	113	0.77
Diazepam	µg/l	- ± -	<0.01 (LOQ) ± -	-	-	-
Diclofenac	µg/l	0.229 ± 0.0172	0.228 ± 0.02	0.0321	99.5	-0.03
Ibuprofen	µg/l	0.272 ± 0.0143	0.242 ± 0.021	0.0226	89.1	-1.31
Iopamidol	µg/l	0.314 ± 0.0414	0.228 ± 0.02	0.0687	72.7	-1.25
Metoprolol	µg/l	0.147 ± 0.0105	0.065 ± 0.0057	0.0368	44.1	-2.23
Saccharin	µg/l	- ± -	0.019 ± 0.0017	-	-	-
Sotalol	µg/l	0.167 ± 0.0145	0.133 ± 0.012	0.0368	79.5	-0.93
Sucralose	µg/l	0.337 ± 0.0483	0.33 ± 0.029	0.101	98	-0.07
Sulfamethoxazole	µg/l	0.208 ± 0.0115	0.19 ± 0.017	0.0249	91.5	-0.71

Sample: AZ7B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	µg/l	4.4 ± 0.419	4.42 ± 0.39	0.592	100	0.04
4-Formylaminoantipyrine	µg/l	- ± -	3.5 ± 0.31	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	1.06 ± 0.194	0.826 ± 0.072	0.258	78.2	-0.89
Acesulfame	µg/l	1.97 ± 0.102	1.984 ± 0.17	0.336	100	0.03
Amidotrizoic acid	µg/l	1.09 ± 0.223	1.56 ± 0.14	0.378	144	1.25
Atenolol	µg/l	0.377 ± 0.0648	0.288 ± 0.025	0.0792	76.3	-1.13

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Benzotriazole	µg/l	11.1 ± 0.511	11.6 ± 1.02	1.33	104	0.37
Bisoprolol	µg/l	- ± -	- ± -	-	-	-
Carbamazepine	µg/l	0.426 ± 0.0317	0.43 ± 0.038	0.0554	101	0.07
Cyclamate	µg/l	0.276 ± 0.0279	0.2728 ± 0.024	0.0369	98.8	-0.09
Diazepam	µg/l	0.382 ± 0.0467	0.442 ± 0.039	0.0618	116	0.97
Diclofenac	µg/l	2.84 ± 0.103	2.57 ± 0.22	0.398	90.5	-0.68
Ibuprofen	µg/l	0.0835 ± 0.00942	0.042 ± 0.0037	0.0117	50.3	-3.55
Iopamidol	µg/l	32.8 ± 7.95	31.9 ± 2.79	11.3	97.1	-0.08
Metoprolol	µg/l	0.235 ± 0.0183	0.098 ± 0.0086	0.0587	41.7	-2.33
Saccharin	µg/l	1.39 ± 0.0833	1.29 ± 0.11	0.306	92.7	-0.33
Sotalol	µg/l	0.206 ± 0.0241	0.181 ± 0.016	0.0452	88.1	-0.54
Sucralose	µg/l	- ± -	12.4 ± 1.09	-	-	-
Sulfamethoxazole	µg/l	0.0444 ± 0.00343	0.046 ± 0.004	0.00532	104	0.31



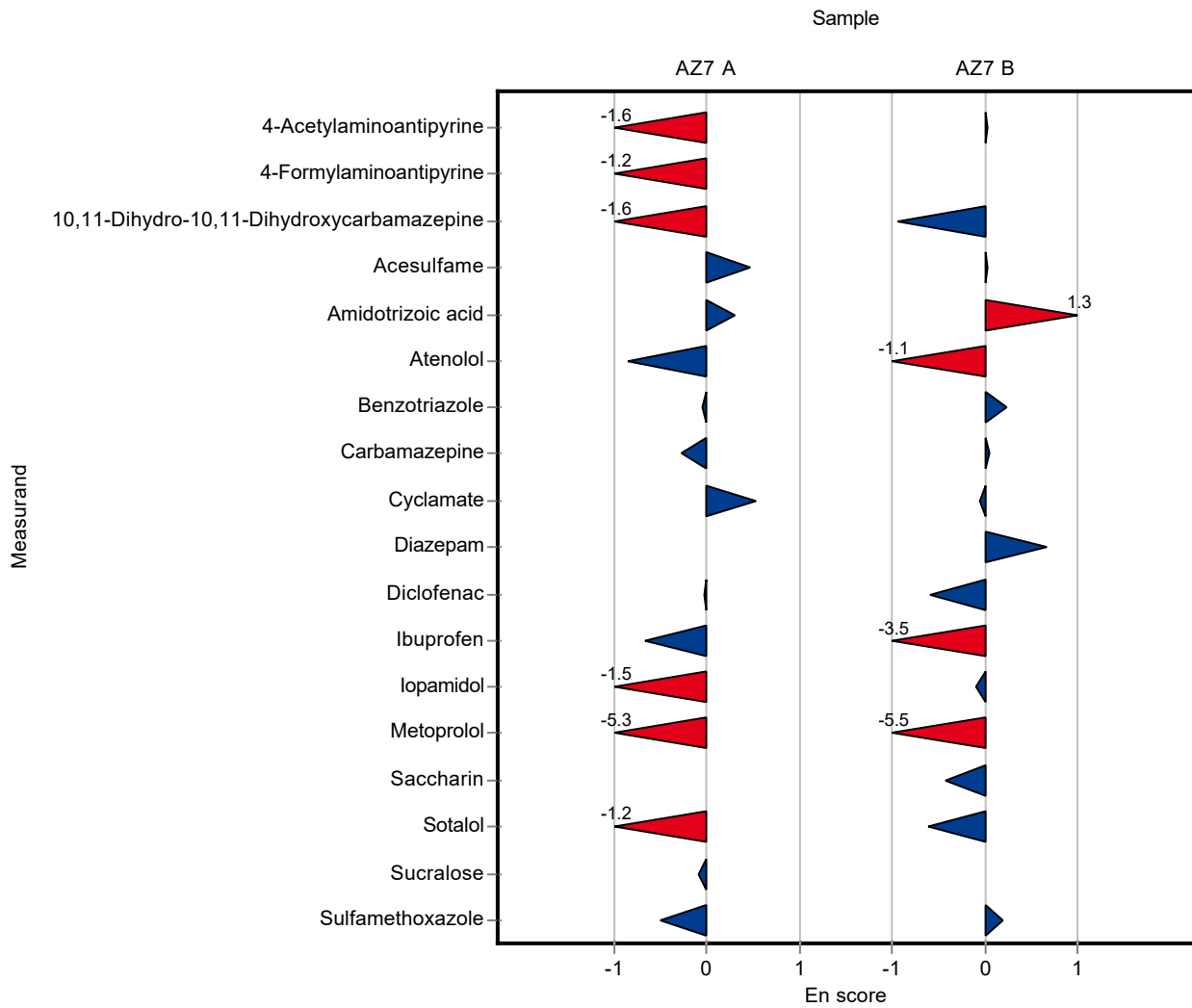
Sample: AZ7A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	µg/l	0.0407 ± 0.00447	0.03 ± 0.0026	0.0067	73.8	-1.56
4-Formylaminoantipyrine	µg/l	0.249 ± 0.0291	0.194 ± 0.017	0.0385	77.8	-1.23
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	0.0843 ± 0.0124	0.059 ± 0.0052	0.0175	70	-1.56
Acesulfame	µg/l	0.0657 ± 0.00386	0.072 ± 0.0063	0.0112	110	0.48
Amidotrizoic acid	µg/l	0.464 ± 0.0635	0.498 ± 0.044	0.0876	107	0.32
Atenolol	µg/l	0.316 ± 0.0247	0.27 ± 0.024	0.0349	85.5	-0.85
Benzotriazole	µg/l	0.147 ± 0.00852	0.146 ± 0.013	0.0177	99.1	-0.05
Bisoprolol	µg/l	- ± -	- ± -	-	-	-
Carbamazepine	µg/l	0.301 ± 0.0116	0.287 ± 0.025	0.0391	95.4	-0.27
Cyclamate	µg/l	0.0311 ± 0.00459	0.0352 ± 0.0031	0.00533	113	0.53
Diazepam	µg/l	- ± -	<0.01 (LOQ) ± -	-	-	-
Diclofenac	µg/l	0.229 ± 0.0172	0.228 ± 0.02	0.0321	99.5	-0.03
Ibuprofen	µg/l	0.272 ± 0.0143	0.242 ± 0.021	0.0226	89.1	-0.67
Iopamidol	µg/l	0.314 ± 0.0414	0.228 ± 0.02	0.0687	72.7	-1.49
Metoprolol	µg/l	0.147 ± 0.0105	0.065 ± 0.0057	0.0368	44.1	-5.31
Saccharin	µg/l	- ± -	0.019 ± 0.0017	-	-	-
Sotalol	µg/l	0.167 ± 0.0145	0.133 ± 0.012	0.0368	79.5	-1.22
Sucralose	µg/l	0.337 ± 0.0483	0.33 ± 0.029	0.101	98	-0.09
Sulfamethoxazole	µg/l	0.208 ± 0.0115	0.19 ± 0.017	0.0249	91.5	-0.49

Sample: AZ7B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	µg/l	4.4 ± 0.419	4.42 ± 0.39	0.592	100	0.02
4-Formylaminoantipyrine	µg/l	- ± -	3.5 ± 0.31	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	1.06 ± 0.194	0.826 ± 0.072	0.258	78.2	-0.95
Acesulfame	µg/l	1.97 ± 0.102	1.984 ± 0.17	0.336	100	0.03
Amidotrizoic acid	µg/l	1.09 ± 0.223	1.56 ± 0.14	0.378	144	1.32
Atenolol	µg/l	0.377 ± 0.0648	0.288 ± 0.025	0.0792	76.3	-1.09

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Benzotriazole	µg/l	11.1 ± 0.511	11.6 ± 1.02	1.33	104	0.23
Bisoprolol	µg/l	- ± -	- ± -	-	-	-
Carbamazepine	µg/l	0.426 ± 0.0317	0.43 ± 0.038	0.0554	101	0.04
Cyclamate	µg/l	0.276 ± 0.0279	0.2728 ± 0.024	0.0369	98.8	-0.06
Diazepam	µg/l	0.382 ± 0.0467	0.442 ± 0.039	0.0618	116	0.66
Diclofenac	µg/l	2.84 ± 0.103	2.57 ± 0.22	0.398	90.5	-0.60
Ibuprofen	µg/l	0.0835 ± 0.00942	0.042 ± 0.0037	0.0117	50.3	-3.46
Iopamidol	µg/l	32.8 ± 7.95	31.9 ± 2.79	11.3	97.1	-0.10
Metoprolol	µg/l	0.235 ± 0.0183	0.098 ± 0.0086	0.0587	41.7	-5.46
Saccharin	µg/l	1.39 ± 0.0833	1.29 ± 0.11	0.306	92.7	-0.43
Sotalol	µg/l	0.206 ± 0.0241	0.181 ± 0.016	0.0452	88.1	-0.61
Sucralose	µg/l	- ± -	12.4 ± 1.09	-	-	-
Sulfamethoxazole	µg/l	0.0444 ± 0.00343	0.046 ± 0.004	0.00532	104	0.19



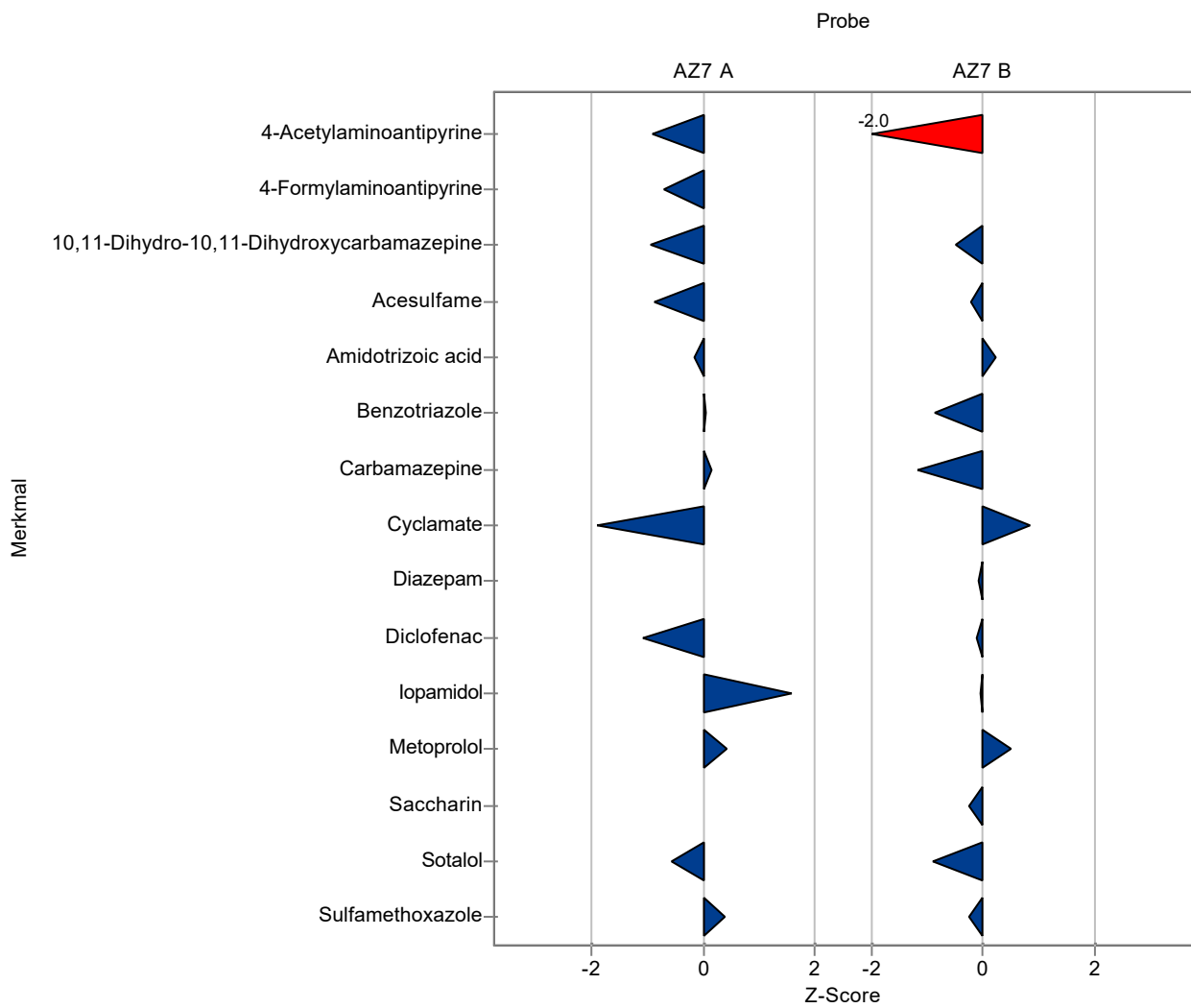
Sample: AZ7A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	µg/l	0.0407 ± 0.00447	0.0346 ± 0.011	0.0067	85.1	-0.91
4-Formylaminoantipyrine	µg/l	0.249 ± 0.0291	0.222 ± 0.049	0.0385	89.1	-0.71
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	0.0843 ± 0.0124	0.0674 ± 0.018	0.0175	80	-0.96
Acesulfame	µg/l	0.0657 ± 0.00386	0.056 ± 0.011	0.0112	85.2	-0.87
Amidotrizoic acid	µg/l	0.464 ± 0.0635	0.449 ± 0.081	0.0876	96.8	-0.17
Atenolol	µg/l	0.316 ± 0.0247	- ± -	0.0349	-	-
Benzotriazole	µg/l	0.147 ± 0.00852	0.148 ± 0.03	0.0177	100	0.04
Bisoprolol	µg/l	- ± -	- ± -	-	-	-
Carbamazepine	µg/l	0.301 ± 0.0116	0.307 ± 0.061	0.0391	102	0.16
Cyclamate	µg/l	0.0311 ± 0.00459	0.021 ± 0.004	0.00533	67.5	-1.90
Diazepam	µg/l	- ± -	<0.01 (LOQ) ± -	-	-	-
Diclofenac	µg/l	0.229 ± 0.0172	0.194 ± 0.058	0.0321	84.7	-1.09
Ibuprofen	µg/l	0.272 ± 0.0143	- ± -	0.0226	-	-
Iopamidol	µg/l	0.314 ± 0.0414	0.421 ± 0.114	0.0687	134	1.56
Metoprolol	µg/l	0.147 ± 0.0105	0.163 ± 0.033	0.0368	111	0.43
Saccharin	µg/l	- ± -	0.018 ± 0.004	-	-	-
Sotalol	µg/l	0.167 ± 0.0145	0.146 ± 0.054	0.0368	87.3	-0.58
Sucralose	µg/l	0.337 ± 0.0483	- ± -	0.101	-	-
Sulfamethoxazole	µg/l	0.208 ± 0.0115	0.217 ± 0.065	0.0249	104	0.37

Sample: AZ7B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	µg/l	4.4 ± 0.419	3.19 ± 0.989	0.592	72.5	-2.04
4-Formylaminoantipyrine	µg/l	- ± -	2.6 ± 0.572	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	1.06 ± 0.194	0.935 ± 0.253	0.258	88.5	-0.47
Acesulfame	µg/l	1.97 ± 0.102	1.9 ± 0.38	0.336	96.2	-0.22
Amidotrizoic acid	µg/l	1.09 ± 0.223	1.17 ± 0.211	0.378	108	0.22
Atenolol	µg/l	0.377 ± 0.0648	- ± -	0.0792	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Benzotriazole	µg/l	11.1 ± 0.511	9.96 ± 2	1.33	89.6	-0.86
Bisoprolol	µg/l	- ± -	- ± -	-	-	-
Carbamazepine	µg/l	0.426 ± 0.0317	0.362 ± 0.072	0.0554	84.9	-1.16
Cyclamate	µg/l	0.276 ± 0.0279	0.307 ± 0.052	0.0369	111	0.84
Diazepam	µg/l	0.382 ± 0.0467	0.378 ± 0.087	0.0618	98.9	-0.07
Diclofenac	µg/l	2.84 ± 0.103	2.8 ± 0.84	0.398	98.6	-0.10
Ibuprofen	µg/l	0.0835 ± 0.00942	- ± -	0.0117	-	-
lopidol	µg/l	32.8 ± 7.95	32.55 ± 8.789	11.3	99.1	-0.03
Metoprolol	µg/l	0.235 ± 0.0183	0.264 ± 0.053	0.0587	112	0.50
Saccharin	µg/l	1.39 ± 0.0833	1.32 ± 0.304	0.306	94.9	-0.23
Sotalol	µg/l	0.206 ± 0.0241	0.165 ± 0.061	0.0452	80.3	-0.90
Sucralose	µg/l	- ± -	- ± -	-	-	-
Sulfamethoxazole	µg/l	0.0444 ± 0.00343	0.043 ± 0.013	0.00532	96.9	-0.26



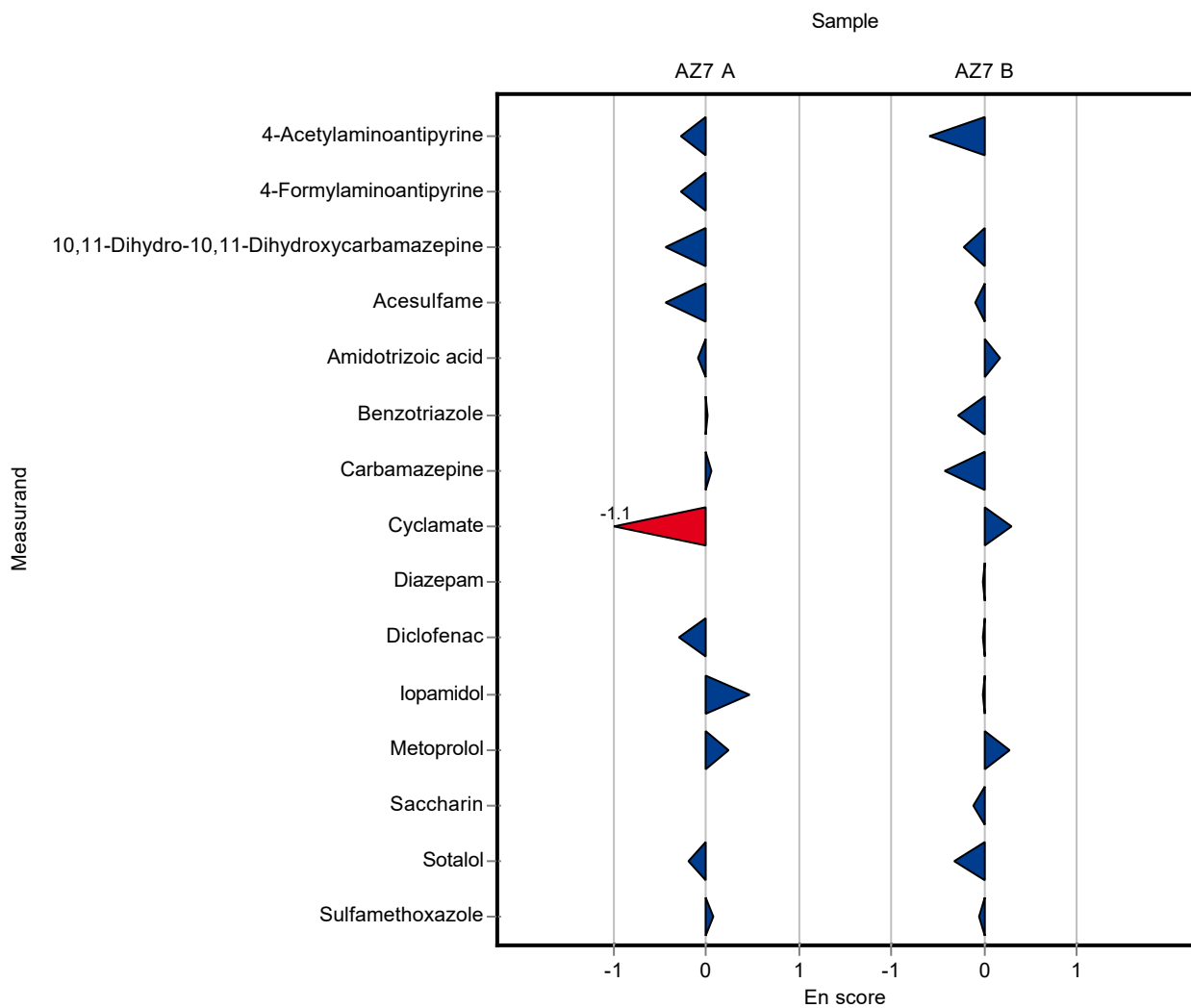
Sample: AZ7A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	µg/l	0.0407 ± 0.00447	0.0346 ± 0.011	0.0067	85.1	-0.27
4-Formylaminoantipyrine	µg/l	0.249 ± 0.0291	0.222 ± 0.049	0.0385	89.1	-0.27
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	0.0843 ± 0.0124	0.0674 ± 0.018	0.0175	80	-0.44
Acesulfame	µg/l	0.0657 ± 0.00386	0.056 ± 0.011	0.0112	85.2	-0.43
Amidotrizoic acid	µg/l	0.464 ± 0.0635	0.449 ± 0.081	0.0876	96.8	-0.09
Atenolol	µg/l	0.316 ± 0.0247	- ± -	0.0349	-	-
Benzotriazole	µg/l	0.147 ± 0.00852	0.148 ± 0.03	0.0177	100	0.01
Bisoprolol	µg/l	- ± -	- ± -	-	-	-
Carbamazepine	µg/l	0.301 ± 0.0116	0.307 ± 0.061	0.0391	102	0.05
Cyclamate	µg/l	0.0311 ± 0.00459	0.021 ± 0.004	0.00533	67.5	-1.10
Diazepam	µg/l	- ± -	<0.01 (LOQ) ± -	-	-	-
Diclofenac	µg/l	0.229 ± 0.0172	0.194 ± 0.058	0.0321	84.7	-0.30
Ibuprofen	µg/l	0.272 ± 0.0143	- ± -	0.0226	-	-
Iopamidol	µg/l	0.314 ± 0.0414	0.421 ± 0.114	0.0687	134	0.46
Metoprolol	µg/l	0.147 ± 0.0105	0.163 ± 0.033	0.0368	111	0.23
Saccharin	µg/l	- ± -	0.018 ± 0.004	-	-	-
Sotalol	µg/l	0.167 ± 0.0145	0.146 ± 0.054	0.0368	87.3	-0.20
Sucralose	µg/l	0.337 ± 0.0483	- ± -	0.101	-	-
Sulfamethoxazole	µg/l	0.208 ± 0.0115	0.217 ± 0.065	0.0249	104	0.07

Sample: AZ7B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	µg/l	4.4 ± 0.419	3.19 ± 0.989	0.592	72.5	-0.60
4-Formylaminoantipyrine	µg/l	- ± -	2.6 ± 0.572	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	1.06 ± 0.194	0.935 ± 0.253	0.258	88.5	-0.22
Acesulfame	µg/l	1.97 ± 0.102	1.9 ± 0.38	0.336	96.2	-0.10
Amidotrizoic acid	µg/l	1.09 ± 0.223	1.17 ± 0.211	0.378	108	0.18
Atenolol	µg/l	0.377 ± 0.0648	- ± -	0.0792	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Benzotriazole	µg/l	11.1 ± 0.511	9.96 ± 2	1.33	89.6	-0.29
Bisoprolol	µg/l	- ± -	- ± -	-	-	-
Carbamazepine	µg/l	0.426 ± 0.0317	0.362 ± 0.072	0.0554	84.9	-0.44
Cyclamate	µg/l	0.276 ± 0.0279	0.307 ± 0.052	0.0369	111	0.29
Diazepam	µg/l	0.382 ± 0.0467	0.378 ± 0.087	0.0618	98.9	-0.02
Diclofenac	µg/l	2.84 ± 0.103	2.8 ± 0.84	0.398	98.6	-0.02
Ibuprofen	µg/l	0.0835 ± 0.00942	- ± -	0.0117	-	-
Iopamidol	µg/l	32.8 ± 7.95	32.55 ± 8.789	11.3	99.1	-0.02
Metoprolol	µg/l	0.235 ± 0.0183	0.264 ± 0.053	0.0587	112	0.27
Saccharin	µg/l	1.39 ± 0.0833	1.32 ± 0.304	0.306	94.9	-0.12
Sotalol	µg/l	0.206 ± 0.0241	0.165 ± 0.061	0.0452	80.3	-0.33
Sucralose	µg/l	- ± -	- ± -	-	-	-
Sulfamethoxazole	µg/l	0.0444 ± 0.00343	0.043 ± 0.013	0.00532	96.9	-0.05



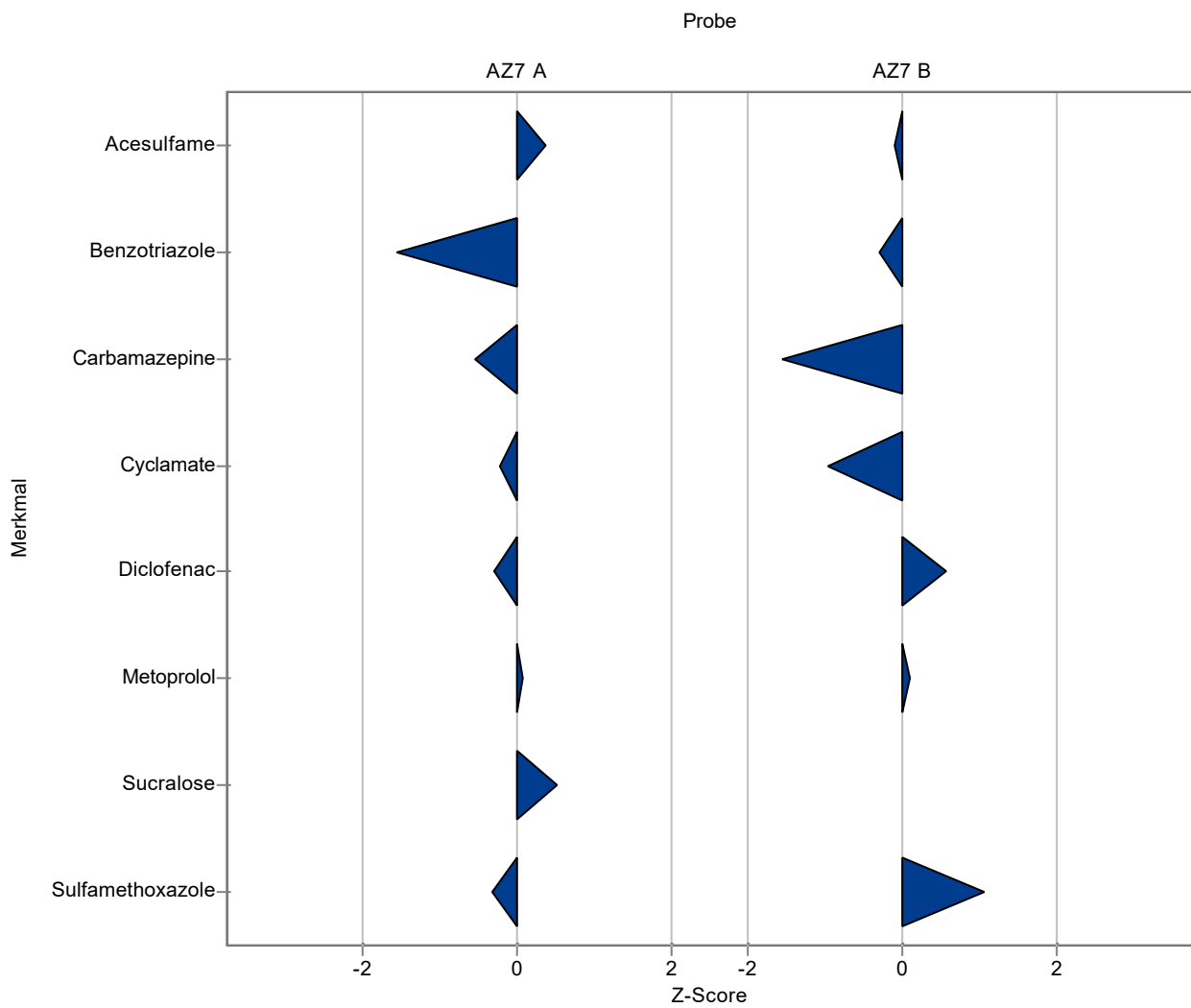
Sample: AZ7A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	µg/l	0.0407 ± 0.00447	- ± -	0.0067	-	-
4-Formylaminoantipyrine	µg/l	0.249 ± 0.0291	- ± -	0.0385	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	0.0843 ± 0.0124	- ± -	0.0175	-	-
Acesulfame	µg/l	0.0657 ± 0.00386	0.07 ± 0.01	0.0112	107	0.39
Amidotrizoic acid	µg/l	0.464 ± 0.0635	- ± -	0.0876	-	-
Atenolol	µg/l	0.316 ± 0.0247	- ± -	0.0349	-	-
Benzotriazole	µg/l	0.147 ± 0.00852	0.12 ± 0.02	0.0177	81.5	-1.54
Bisoprolol	µg/l	- ± -	- ± -	-	-	-
Carbamazepine	µg/l	0.301 ± 0.0116	0.28 ± 0.05	0.0391	93.1	-0.53
Cyclamate	µg/l	0.0311 ± 0.00459	0.03 ± 0.005	0.00533	96.4	-0.21
Diazepam	µg/l	- ± -	- ± -	-	-	-
Diclofenac	µg/l	0.229 ± 0.0172	0.22 ± 0.04	0.0321	96	-0.28
Ibuprofen	µg/l	0.272 ± 0.0143	- ± -	0.0226	-	-
Iopamidol	µg/l	0.314 ± 0.0414	- ± -	0.0687	-	-
Metoprolol	µg/l	0.147 ± 0.0105	0.15 ± 0.03	0.0368	102	0.07
Saccharin	µg/l	- ± -	- ± -	-	-	-
Sotalol	µg/l	0.167 ± 0.0145	- ± -	0.0368	-	-
Sucralose	µg/l	0.337 ± 0.0483	0.39 ± 0.08	0.101	116	0.53
Sulfamethoxazole	µg/l	0.208 ± 0.0115	0.2 ± 0.04	0.0249	96.3	-0.31

Sample: AZ7B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	µg/l	4.4 ± 0.419	- ± -	0.592	-	-
4-Formylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	1.06 ± 0.194	- ± -	0.258	-	-
Acesulfame	µg/l	1.97 ± 0.102	1.94 ± 0.39	0.336	98.2	-0.10
Amidotrizoic acid	µg/l	1.09 ± 0.223	- ± -	0.378	-	-
Atenolol	µg/l	0.377 ± 0.0648	- ± -	0.0792	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Benzotriazole	µg/l	11.1 ± 0.511	10.7 ± 1.93	1.33	96.3	-0.31
Bisoprolol	µg/l	- ± -	- ± -	-	-	-
Carbamazepine	µg/l	0.426 ± 0.0317	0.34 ± 0.07	0.0554	79.8	-1.56
Cyclamate	µg/l	0.276 ± 0.0279	0.24 ± 0.05	0.0369	86.9	-0.98
Diazepam	µg/l	0.382 ± 0.0467	- ± -	0.0618	-	-
Diclofenac	µg/l	2.84 ± 0.103	3.06 ± 0.55	0.398	108	0.55
Ibuprofen	µg/l	0.0835 ± 0.00942	- ± -	0.0117	-	-
lopidol	µg/l	32.8 ± 7.95	- ± -	11.3	-	-
Metoprolol	µg/l	0.235 ± 0.0183	0.24 ± 0.05	0.0587	102	0.09
Saccharin	µg/l	1.39 ± 0.0833	- ± -	0.306	-	-
Sotalol	µg/l	0.206 ± 0.0241	- ± -	0.0452	-	-
Sucralose	µg/l	- ± -	10.7 ± 1.93	-	-	-
Sulfamethoxazole	µg/l	0.0444 ± 0.00343	0.05 ± 0.01	0.00532	113	1.06



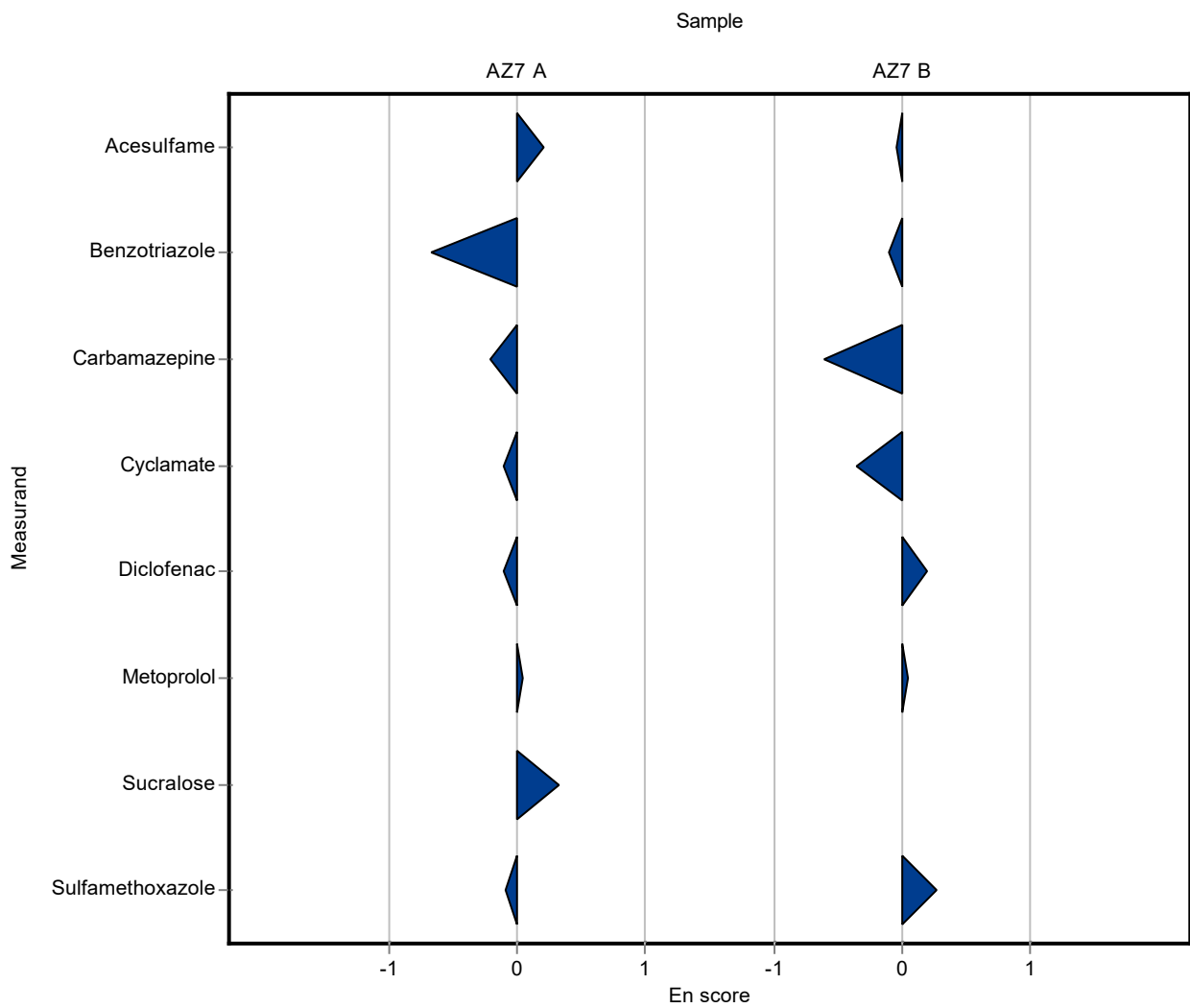
Sample: AZ7A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	µg/l	0.0407 ± 0.00447	- ± -	0.0067	-	-
4-Formylaminoantipyrine	µg/l	0.249 ± 0.0291	- ± -	0.0385	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	0.0843 ± 0.0124	- ± -	0.0175	-	-
Acesulfame	µg/l	0.0657 ± 0.00386	0.07 ± 0.01	0.0112	107	0.21
Amidotrizoic acid	µg/l	0.464 ± 0.0635	- ± -	0.0876	-	-
Atenolol	µg/l	0.316 ± 0.0247	- ± -	0.0349	-	-
Benzotriazole	µg/l	0.147 ± 0.00852	0.12 ± 0.02	0.0177	81.5	-0.67
Bisoprolol	µg/l	- ± -	- ± -	-	-	-
Carbamazepine	µg/l	0.301 ± 0.0116	0.28 ± 0.05	0.0391	93.1	-0.21
Cyclamate	µg/l	0.0311 ± 0.00459	0.03 ± 0.005	0.00533	96.4	-0.10
Diazepam	µg/l	- ± -	- ± -	-	-	-
Diclofenac	µg/l	0.229 ± 0.0172	0.22 ± 0.04	0.0321	96	-0.11
Ibuprofen	µg/l	0.272 ± 0.0143	- ± -	0.0226	-	-
Iopamidol	µg/l	0.314 ± 0.0414	- ± -	0.0687	-	-
Metoprolol	µg/l	0.147 ± 0.0105	0.15 ± 0.03	0.0368	102	0.04
Saccharin	µg/l	- ± -	- ± -	-	-	-
Sotalol	µg/l	0.167 ± 0.0145	- ± -	0.0368	-	-
Sucralose	µg/l	0.337 ± 0.0483	0.39 ± 0.08	0.101	116	0.32
Sulfamethoxazole	µg/l	0.208 ± 0.0115	0.2 ± 0.04	0.0249	96.3	-0.10

Sample: AZ7B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	µg/l	4.4 ± 0.419	- ± -	0.592	-	-
4-Formylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	1.06 ± 0.194	- ± -	0.258	-	-
Acesulfame	µg/l	1.97 ± 0.102	1.94 ± 0.39	0.336	98.2	-0.04
Amidotrizoic acid	µg/l	1.09 ± 0.223	- ± -	0.378	-	-
Atenolol	µg/l	0.377 ± 0.0648	- ± -	0.0792	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Benzotriazole	µg/l	11.1 ± 0.511	10.7 ± 1.93	1.33	96.3	-0.11
Bisoprolol	µg/l	- ± -	- ± -	-	-	-
Carbamazepine	µg/l	0.426 ± 0.0317	0.34 ± 0.07	0.0554	79.8	-0.60
Cyclamate	µg/l	0.276 ± 0.0279	0.24 ± 0.05	0.0369	86.9	-0.35
Diazepam	µg/l	0.382 ± 0.0467	- ± -	0.0618	-	-
Diclofenac	µg/l	2.84 ± 0.103	3.06 ± 0.55	0.398	108	0.20
Ibuprofen	µg/l	0.0835 ± 0.00942	- ± -	0.0117	-	-
Iopamidol	µg/l	32.8 ± 7.95	- ± -	11.3	-	-
Metoprolol	µg/l	0.235 ± 0.0183	0.24 ± 0.05	0.0587	102	0.05
Saccharin	µg/l	1.39 ± 0.0833	- ± -	0.306	-	-
Sotalol	µg/l	0.206 ± 0.0241	- ± -	0.0452	-	-
Sucralose	µg/l	- ± -	10.7 ± 1.93	-	-	-
Sulfamethoxazole	µg/l	0.0444 ± 0.00343	0.05 ± 0.01	0.00532	113	0.28



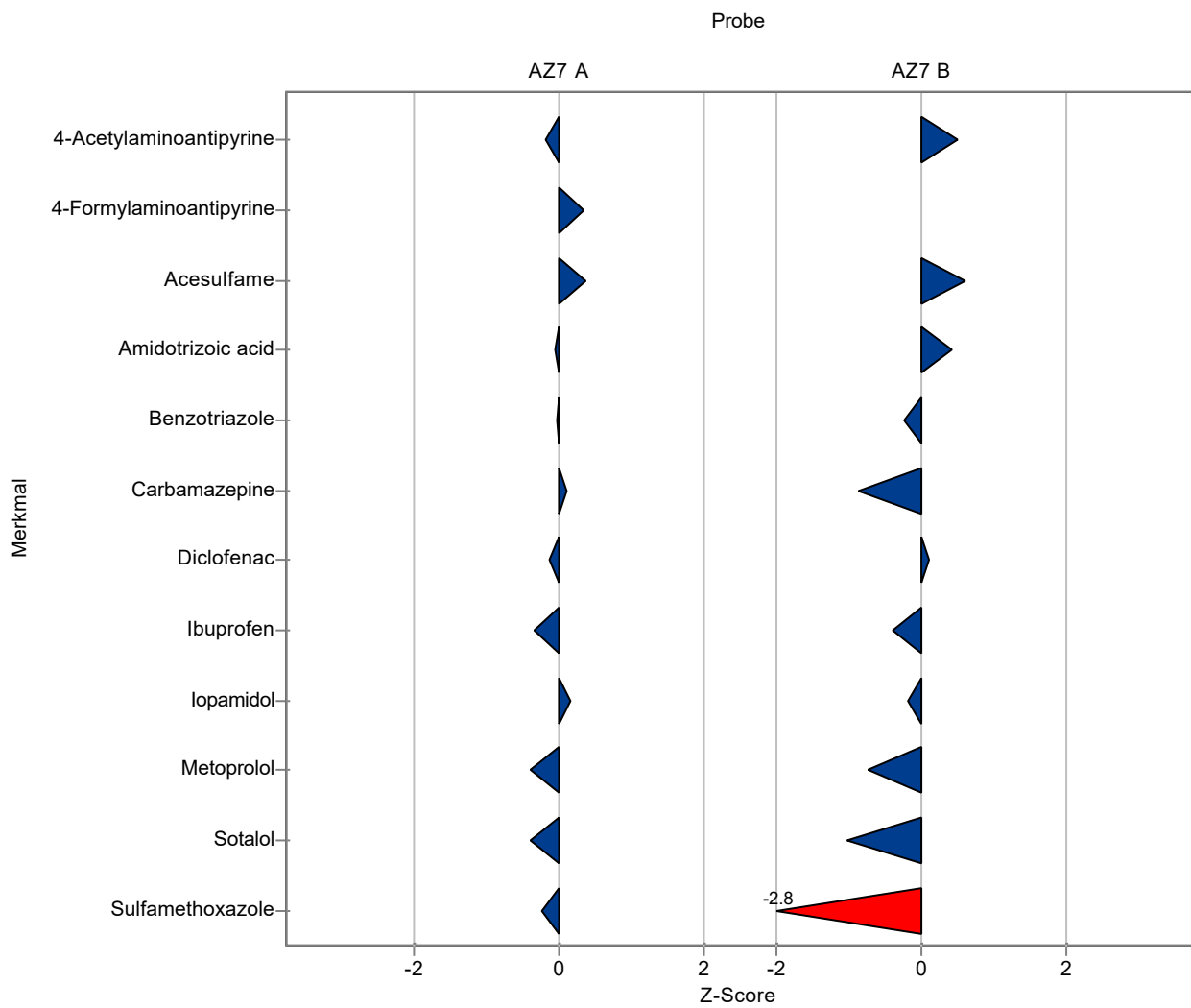
Sample: AZ7A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	µg/l	0.0407 ± 0.00447	0.0395 ± 0.004	0.0067	97.1	-0.18
4-Formylaminoantipyrine	µg/l	0.249 ± 0.0291	0.263 ± 0.026	0.0385	106	0.36
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	0.0843 ± 0.0124	- ± -	0.0175	-	-
Acesulfame	µg/l	0.0657 ± 0.00386	0.07 ± 0.0053	0.0112	107	0.39
Amidotrizoic acid	µg/l	0.464 ± 0.0635	0.461 ± 0.058	0.0876	99.4	-0.03
Atenolol	µg/l	0.316 ± 0.0247	- ± -	0.0349	-	-
Benzotriazole	µg/l	0.147 ± 0.00852	0.147 ± 0.018	0.0177	99.8	-0.02
Bisoprolol	µg/l	- ± -	- ± -	-	-	-
Carbamazepine	µg/l	0.301 ± 0.0116	0.305 ± 0.043	0.0391	101	0.11
Cyclamate	µg/l	0.0311 ± 0.00459	- ± -	0.00533	-	-
Diazepam	µg/l	- ± -	- ± -	-	-	-
Diclofenac	µg/l	0.229 ± 0.0172	0.225 ± 0.018	0.0321	98.2	-0.13
Ibuprofen	µg/l	0.272 ± 0.0143	0.264 ± 0.021	0.0226	97.2	-0.34
Iopamidol	µg/l	0.314 ± 0.0414	0.325 ± 0.039	0.0687	104	0.17
Metoprolol	µg/l	0.147 ± 0.0105	0.133 ± 0.015	0.0368	90.3	-0.39
Saccharin	µg/l	- ± -	- ± -	-	-	-
Sotalol	µg/l	0.167 ± 0.0145	0.153 ± 0.012	0.0368	91.5	-0.39
Sucralose	µg/l	0.337 ± 0.0483	- ± -	0.101	-	-
Sulfamethoxazole	µg/l	0.208 ± 0.0115	0.202 ± 0.029	0.0249	97.3	-0.23

Sample: AZ7B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	µg/l	4.4 ± 0.419	4.7 ± 0.47	0.592	107	0.51
4-Formylaminoantipyrine	µg/l	- ± -	3.5 ± 0.35	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	1.06 ± 0.194	- ± -	0.258	-	-
Acesulfame	µg/l	1.97 ± 0.102	2.18 ± 0.164	0.336	110	0.61
Amidotrizoic acid	µg/l	1.09 ± 0.223	1.25 ± 0.156	0.378	115	0.43
Atenolol	µg/l	0.377 ± 0.0648	- ± -	0.0792	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Benzotriazole	µg/l	11.1 ± 0.511	10.8 ± 1.35	1.33	97.2	-0.23
Bisoprolol	µg/l	- ± -	- ± -	-	-	-
Carbamazepine	µg/l	0.426 ± 0.0317	0.379 ± 0.053	0.0554	88.9	-0.85
Cyclamate	µg/l	0.276 ± 0.0279	- ± -	0.0369	-	-
Diazepam	µg/l	0.382 ± 0.0467	- ± -	0.0618	-	-
Diclofenac	µg/l	2.84 ± 0.103	2.89 ± 0.23	0.398	102	0.12
Ibuprofen	µg/l	0.0835 ± 0.00942	0.079 ± 0.0063	0.0117	94.6	-0.39
Iopamidol	µg/l	32.8 ± 7.95	30.8 ± 3.7	11.3	93.8	-0.18
Metoprolol	µg/l	0.235 ± 0.0183	0.192 ± 0.021	0.0587	81.7	-0.73
Saccharin	µg/l	1.39 ± 0.0833	- ± -	0.306	-	-
Sotalol	µg/l	0.206 ± 0.0241	0.16 ± 0.012	0.0452	77.8	-1.01
Sucralose	µg/l	- ± -	- ± -	-	-	-
Sulfamethoxazole	µg/l	0.0444 ± 0.00343	0.0295 ± 0.0043	0.00532	66.5	-2.79



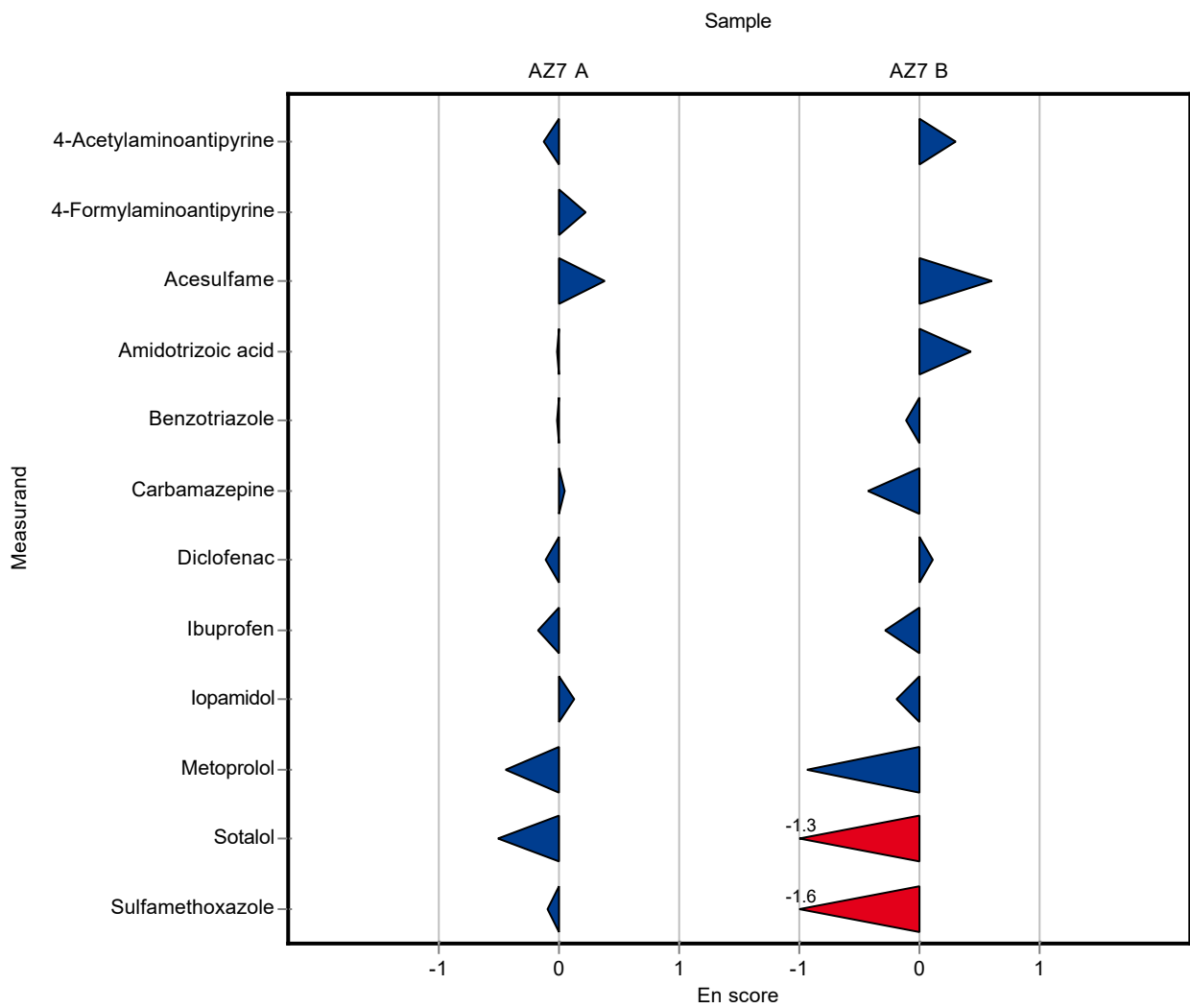
Sample: AZ7A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	µg/l	0.0407 ± 0.00447	0.0395 ± 0.004	0.0067	97.1	-0.13
4-Formylaminoantipyrine	µg/l	0.249 ± 0.0291	0.263 ± 0.026	0.0385	106	0.23
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	0.0843 ± 0.0124	- ± -	0.0175	-	-
Acesulfame	µg/l	0.0657 ± 0.00386	0.07 ± 0.0053	0.0112	107	0.38
Amidotrizoic acid	µg/l	0.464 ± 0.0635	0.461 ± 0.058	0.0876	99.4	-0.02
Atenolol	µg/l	0.316 ± 0.0247	- ± -	0.0349	-	-
Benzotriazole	µg/l	0.147 ± 0.00852	0.147 ± 0.018	0.0177	99.8	-0.01
Bisoprolol	µg/l	- ± -	- ± -	-	-	-
Carbamazepine	µg/l	0.301 ± 0.0116	0.305 ± 0.043	0.0391	101	0.05
Cyclamate	µg/l	0.0311 ± 0.00459	- ± -	0.00533	-	-
Diazepam	µg/l	- ± -	- ± -	-	-	-
Diclofenac	µg/l	0.229 ± 0.0172	0.225 ± 0.018	0.0321	98.2	-0.10
Ibuprofen	µg/l	0.272 ± 0.0143	0.264 ± 0.021	0.0226	97.2	-0.17
Iopamidol	µg/l	0.314 ± 0.0414	0.325 ± 0.039	0.0687	104	0.13
Metoprolol	µg/l	0.147 ± 0.0105	0.133 ± 0.015	0.0368	90.3	-0.45
Saccharin	µg/l	- ± -	- ± -	-	-	-
Sotalol	µg/l	0.167 ± 0.0145	0.153 ± 0.012	0.0368	91.5	-0.51
Sucralose	µg/l	0.337 ± 0.0483	- ± -	0.101	-	-
Sulfamethoxazole	µg/l	0.208 ± 0.0115	0.202 ± 0.029	0.0249	97.3	-0.10

Sample: AZ7B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	µg/l	4.4 ± 0.419	4.7 ± 0.47	0.592	107	0.29
4-Formylaminoantipyrine	µg/l	- ± -	3.5 ± 0.35	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	1.06 ± 0.194	- ± -	0.258	-	-
Acesulfame	µg/l	1.97 ± 0.102	2.18 ± 0.164	0.336	110	0.60
Amidotrizoic acid	µg/l	1.09 ± 0.223	1.25 ± 0.156	0.378	115	0.43
Atenolol	µg/l	0.377 ± 0.0648	- ± -	0.0792	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Benzotriazole	µg/l	11.1 ± 0.511	10.8 ± 1.35	1.33	97.2	-0.11
Bisoprolol	µg/l	- ± -	- ± -	-	-	-
Carbamazepine	µg/l	0.426 ± 0.0317	0.379 ± 0.053	0.0554	88.9	-0.43
Cyclamate	µg/l	0.276 ± 0.0279	- ± -	0.0369	-	-
Diazepam	µg/l	0.382 ± 0.0467	- ± -	0.0618	-	-
Diclofenac	µg/l	2.84 ± 0.103	2.89 ± 0.23	0.398	102	0.10
Ibuprofen	µg/l	0.0835 ± 0.00942	0.079 ± 0.0063	0.0117	94.6	-0.29
Iopamidol	µg/l	32.8 ± 7.95	30.8 ± 3.7	11.3	93.8	-0.19
Metoprolol	µg/l	0.235 ± 0.0183	0.192 ± 0.021	0.0587	81.7	-0.94
Saccharin	µg/l	1.39 ± 0.0833	- ± -	0.306	-	-
Sotalol	µg/l	0.206 ± 0.0241	0.16 ± 0.012	0.0452	77.8	-1.34
Sucralose	µg/l	- ± -	- ± -	-	-	-
Sulfamethoxazole	µg/l	0.0444 ± 0.00343	0.0295 ± 0.0043	0.00532	66.5	-1.60



E9. Methodenübersicht / Overview of methods

LabCode	Sample	Sucralose	Benzotriazole	Carbamazepine	Acesulfame
LC0001	AZ7A		OnlineSPE LC-MS/MS;	OnlineSPE LC-MS/MS;	
LC0002	AZ7A		LC-MS/MS direct;6495C	LC-MS/MS direct;6495C	LC-MS/MS direct;6495A
LC0003	AZ7A				
LC0004	AZ7A				LC-MS/MS direct;
LC0005	AZ7A		LC-MS/MS direct;DIN 38407-47	LC-MS/MS direct;DIN 38407-47	LC-MS/MS direct;DIN 38407-47
LC0006	AZ7A			LC-MS/MS direct;	
LC0007	AZ7A		LC-MS/MS direct;DIN 38407-47	LC-MS/MS direct;DIN 38407-47	LC-MS/MS direct;DIN 38407-36
LC0008	AZ7A	LC-MS/MS direct;DIN 38407-36	LC-MS/MS direct;DIN 38407-36	LC-MS/MS direct;DIN 38407-35	LC-MS/MS direct;DIN 38407-36
LC0009	AZ7A	LC-MS/MS;		LC-MS/MS direct;DIN 38407-36	LC-MS/MS;
LC0010	AZ7A	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
LC0011	AZ7A		LC-MS/MS;	LC-MS/MS;	LC-MS/MS;
LC0012	AZ7A	LC-MS/MS direct;	LC-MS/MS direct;	LC-MS/MS direct;	LC-MS/MS direct;
LC0013	AZ7A	LC-MS/MS direct;DIN 38407-47	LC-MS/MS direct;DIN 38407-36	LC-MS/MS direct;DIN 38407-47	LC-MS/MS direct;DIN 38407-47
LC0014	AZ7A		LC-HRMS direct;	LC-HRMS direct;	LC-HRMS direct;
LC0015	AZ7A	LC-MS/MS;	LC-MS/MS;	LC-MS/MS;	LC-MS/MS;
LC0016	AZ7A		LC-MS/MS direct;DIN 38407-36	LC-MS/MS direct;DIN 38407-47	LC-MS/MS direct;DIN 38407-36
LC0001	AZ7B		OnlineSPE LC-MS/MS;	OnlineSPE LC-MS/MS;	
LC0002	AZ7B		LC-MS/MS direct;6495C	LC-MS/MS direct;6495C	
LC0003	AZ7B				
LC0004	AZ7B				LC-MS/MS direct;
LC0005	AZ7B		LC-MS/MS direct;DIN 38407-47	LC-MS/MS direct;DIN 38407-47	LC-MS/MS direct;DIN 38407-47
LC0006	AZ7B			LC-MS/MS direct;	
LC0007	AZ7B		LC-MS/MS direct;DIN 38407-47	LC-MS/MS direct;DIN 38407-47	LC-MS/MS direct;DIN 38407-36
LC0008	AZ7B				
LC0009	AZ7B	LC-MS/MS;		LC-MS/MS;	LC-MS/MS;
LC0010	AZ7B	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
LC0011	AZ7B		LC-MS/MS;	LC-MS/MS;	LC-MS/MS;
LC0012	AZ7B	LC-MS/MS direct;	LC-MS/MS direct;	LC-MS/MS direct;	LC-MS/MS direct;
LC0013	AZ7B	LC-MS/MS direct;DIN 38407-47	LC-MS/MS direct;DIN 38407-36	LC-MS/MS direct;DIN 38407-47	LC-MS/MS direct;DIN 38407-47
LC0014	AZ7B		LC-HRMS direct;	LC-HRMS direct;	LC-HRMS direct;
LC0015	AZ7B	LC-MS/MS;	LC-MS/MS;	LC-MS/MS;	LC-MS/MS;
LC0016	AZ7B		LC-MS/MS direct;DIN 38407-36	LC-MS/MS direct;DIN 38407-47	LC-MS/MS direct;DIN 38407-36

LabCode	Sample	Sulfamethoxazole	Diclofenac	Sotalolol	Ibuprofen
LC0001	AZ7A		OnlineSPE LC-MS/MS;		
LC0002	AZ7A	LC-MS/MS direct;6495C	LC-MS/MS direct;6495C	LC-MS/MS direct;6495C	LC-MS/MS direct;6495C
LC0003	AZ7A				
LC0004	AZ7A		LC-MS/MS direct;DIN 38407-35		LC-MS/MS direct;DIN 38407-35
LC0005	AZ7A	LC-MS/MS direct;DIN 38407-47	LC-MS/MS direct;DIN 38407-47		LC-MS/MS direct;DIN 38407-47
LC0006	AZ7A	LC-MS/MS direct;	LC-MS/MS direct;	LC-MS/MS direct;	LC-MS/MS direct;
LC0007	AZ7A	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	AZ7A	LC-MS/MS direct;DIN 38407-36	LC-MS/MS direct;DIN 38407-35	LC-MS/MS direct;DIN 38407-36	LC-MS/MS direct;DIN 38407-35
LC0009	AZ7A	LC-MS/MS direct;DIN 38407-36	LC-MS/MS direct;DIN 38407-36		
LC0010	AZ7A	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
LC0011	AZ7A	LC-MS/MS;	LC-MS/MS;	LC-MS/MS;	
LC0012	AZ7A	LC-MS/MS direct;	LC-MS/MS direct;	LC-MS/MS direct;	LC-MS/MS direct;
LC0013	AZ7A	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	AZ7A	LC-HRMS direct;	LC-HRMS direct;	LC-MS/MS direct;	
LC0015	AZ7A	LC-MS/MS;	LC-MS/MS;		
LC0016	AZ7A	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
LC0001	AZ7B		OnlineSPE LC-MS/MS;		
LC0002	AZ7B	LC-MS/MS direct;6495C	LC-MS/MS direct;6495C	LC-MS/MS direct;6495C	LC-MS/MS direct;6495C
LC0003	AZ7B				
LC0004	AZ7B		LC-MS/MS direct;DIN 38407-35		LC-MS/MS direct;DIN 38407-35
LC0005	AZ7B	LC-MS/MS direct;DIN 38407-47	LC-MS/MS direct;DIN 38407-47		LC-MS/MS direct;DIN 38407-47
LC0006	AZ7B	LC-MS/MS direct;	LC-MS/MS direct;	LC-MS/MS direct;	LC-MS/MS direct;
LC0007	AZ7B	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	AZ7B				
LC0009	AZ7B	LC-MS/MS;	LC-MS/MS;		
LC0010	AZ7B	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
LC0011	AZ7B	LC-MS/MS;	LC-MS/MS;	LC-MS/MS;	
LC0012	AZ7B	LC-MS/MS direct;	LC-MS/MS direct;	LC-MS/MS direct;	LC-MS/MS direct;
LC0013	AZ7B	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	AZ7B	LC-HRMS direct;	LC-HRMS direct;	LC-MS/MS direct;	
LC0015	AZ7B	LC-MS/MS;	LC-MS/MS;		
LC0016	AZ7B	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

LabCode	Sample	Diazepam	Metoprolol	Cyclamate	Saccharin
LC0001	AZ7A		OnlineSPE LC-MS/MS;		
LC0002	AZ7A		LC-MS/MS direct;6495C		
LC0003	AZ7A				
LC0004	AZ7A	GC-MS (SPE);			
LC0005	AZ7A		LC-MS/MS direct;DIN 38407-47	LC-MS/MS direct;DIN 38407-47	LC-MS/MS direct;DIN 38407-47
LC0006	AZ7A	LC-MS/MS direct;	LC-MS/MS direct;		
LC0007	AZ7A		LC-MS/MS direct;DIN 38407-47		
LC0008	AZ7A	LC-MS/MS direct;DIN 38407-36	LC-MS/MS direct;DIN 38407-36	LC-MS/MS direct;DIN 38407-36	LC-MS/MS direct;DIN 38407-36
LC0009	AZ7A			LC-MS/MS;	LC-MS/MS;
LC0010	AZ7A	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
LC0011	AZ7A	LC-MS/MS;	LC-MS/MS;		
LC0012	AZ7A	LC-MS/MS direct;	LC-MS/MS direct;	LC-MS/MS direct;	LC-MS/MS direct;
LC0013	AZ7A	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	AZ7A	LC-MS/MS direct;	LC-HRMS direct;	LC-MS (enrichment F10);	LC-MS (enrichment F10.10);
LC0015	AZ7A		LC-MS/MS;	LC-MS/MS;	
LC0016	AZ7A		LC-MS/MS direct;DIN 38407-47		
LC0001	AZ7B		OnlineSPE LC-MS/MS;		
LC0002	AZ7B		LC-MS/MS direct;6495C		
LC0003	AZ7B				
LC0004	AZ7B	GC-MS (SPE);			
LC0005	AZ7B		LC-MS/MS direct;DIN 38407-47	LC-MS/MS direct;DIN 38407-47	LC-MS/MS direct;DIN 38407-47
LC0006	AZ7B	LC-MS/MS direct;	LC-MS/MS direct;		
LC0007	AZ7B		LC-MS/MS direct;DIN 38407-47		
LC0008	AZ7B				
LC0009	AZ7B			LC-MS/MS;	LC-MS/MS;
LC0010	AZ7B	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
LC0011	AZ7B	LC-MS/MS;	LC-MS/MS;		
LC0012	AZ7B	LC-MS/MS direct;	LC-MS/MS direct;	LC-MS/MS direct;	LC-MS/MS direct;
LC0013	AZ7B	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	AZ7B	LC-MS/MS direct;	LC-HRMS direct;	LC-MS (enrichment F10);	LC-MS (enrichment F10);
LC0015	AZ7B		LC-MS/MS;	LC-MS/MS;	
LC0016	AZ7B		LC-MS/MS direct;DIN 38407-47		

LabCode	Sample	4-Acetylaminoantipyrine	Amidotrizoic acid	Atenolol	Bisoprolol
LC0001	AZ7A				
LC0002	AZ7A	LC-MS/MS direct;6495C		LC-MS/MS direct;6495C	
LC0003	AZ7A				
LC0004	AZ7A				
LC0005	AZ7A	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
LC0006	AZ7A	LC-MS/MS direct;	LC-MS/MS direct;	LC-MS/MS direct;	LC-MS/MS direct;
LC0007	AZ7A	LC-MS/MS direct;DIN 38407-47	LC-MS/MS direct;DIN 38407-47	LC-MS/MS direct;DIN 38407-47	
LC0008	AZ7A	LC-MS/MS direct;DIN 38407-36	LC-MS/MS direct;DIN 38407-47		
LC0009	AZ7A		LC-MS/MS;		
LC0010	AZ7A	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
LC0011	AZ7A		LC-MS/MS;		
LC0012	AZ7A		LC-MS/MS direct;	LC-MS/MS direct;	
LC0013	AZ7A	LC-MS/MS direct;DIN 38407-47	LC-MS/MS direct;DIN 38407-47	LC-MS/MS direct;DIN 38407-47	
LC0014	AZ7A	LC-MS/MS direct;	LC-MS (enrichment F10);		
LC0015	AZ7A				
LC0016	AZ7A	LC-MS/MS direct;DIN 38407-47	LC-MS/MS direct;DIN 38407-47		
LC0001	AZ7B				
LC0002	AZ7B	LC-MS/MS direct;6495C		LC-MS/MS direct;6495C	
LC0003	AZ7B				
LC0004	AZ7B				
LC0005	AZ7B	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
LC0006	AZ7B	LC-MS/MS direct;	LC-MS/MS direct;	LC-MS/MS direct;	LC-MS/MS direct;
LC0007	AZ7B	LC-MS/MS direct;DIN 38407-47	LC-MS/MS direct;DIN 38407-47	LC-MS/MS direct;DIN 38407-47	
LC0008	AZ7B				
LC0009	AZ7B		LC-MS/MS;		
LC0010	AZ7B	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
LC0011	AZ7B		LC-MS/MS;		
LC0012	AZ7B		LC-MS/MS direct;	LC-MS/MS direct;	
LC0013	AZ7B	LC-MS/MS direct;DIN 38407-47	LC-MS/MS direct;DIN 38407-47	LC-MS/MS direct;DIN 38407-47	
LC0014	AZ7B	LC-MS/MS direct;	LC-MS (enrichment F10);		
LC0015	AZ7B				
LC0016	AZ7B	LC-MS/MS direct;DIN 38407-47	LC-MS/MS direct;DIN 38407-47		

LabCode	Sample	10,11-Dihydro-10,11-Dihydroxycarbamazepine	4-Formylaminoantipyrine
LC0001	AZ7A		
LC0002	AZ7A		
LC0003	AZ7A		
LC0004	AZ7A		
LC0005	AZ7A	LC-MS/MS direct;DIN 38407-47	LC-MS/MS direct;DIN 38407-47
LC0006	AZ7A		
LC0007	AZ7A	LC-MS/MS direct;DIN 38407-47	LC-MS/MS direct;DIN 38407-47
LC0008	AZ7A	LC-MS/MS direct;DIN 38407-35	LC-MS/MS direct;DIN 38407-36
LC0009	AZ7A		
LC0010	AZ7A	LC-MS/MS direct;DIN 38407-47	LC-MS/MS direct;DIN 38407-47
LC0011	AZ7A		
LC0012	AZ7A	LC-MS/MS direct;	
LC0013	AZ7A	LC-MS/MS direct;DIN 38407-47	LC-MS/MS direct;DIN 38407-47
LC0014	AZ7A	LC-MS/MS direct;	LC-MS/MS direct;
LC0015	AZ7A		
LC0016	AZ7A		LC-MS/MS direct;DIN 38407-47
LC0001	AZ7B		
LC0002	AZ7B		
LC0003	AZ7B		
LC0004	AZ7B		
LC0005	AZ7B	LC-MS/MS direct;DIN 38407-47	LC-MS/MS direct;DIN 38407-47
LC0006	AZ7B		
LC0007	AZ7B	LC-MS/MS direct;DIN 38407-47	LC-MS/MS direct;DIN 38407-47
LC0008	AZ7B		
LC0009	AZ7B		
LC0010	AZ7B	LC-MS/MS direct;DIN 38407-47	LC-MS/MS direct;DIN 38407-47
LC0011	AZ7B		
LC0012	AZ7B	LC-MS/MS direct;	
LC0013	AZ7B	LC-MS/MS direct;DIN 38407-47	LC-MS/MS direct;DIN 38407-47
LC0014	AZ7B	LC-MS/MS direct;	LC-MS/MS direct;
LC0015	AZ7B		
LC0016	AZ7B		LC-MS/MS direct;DIN 38407-47