

**Proficiency Testing Scheme für die
Wasseranalytik - Realproben
AZ13 Arzneimittel, Industriechemikalien und
Zuckerersatzstoffe**

**Proficiency Testing Scheme for Water
Analysis - natural water samples
AZ13 Pharmaceuticals, industrial chemicals and
artificial sweeteners**

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Anbieter der Eignungsprüfung / Provider of the proficiency test

Anschrift / Address Umweltbundesamt GmbH
Spittelauer Lände 5
1090 Vienna/Austria
ringversuche@umweltbundesamt.at
Tel.: +43-(0)1-313 04 4334

Website deutsch www.umweltbundesamt.at/ringversuche
www.ifatetest.at

Website english <https://www.umweltbundesamt.at/en/proficiency-testing>
www.ifatetest.eu

Koordination und technische Leitung Eignungsprüfungen / coordinator and technical management

Dipl.-Ing.ⁱⁿ Monika Denner

Verantwortlich für die Durchführung der Eignungsprüfungsrunde / Responsible for the implementation of this proficiency test

Dipl.-Ing. Johannes Urteil, Martha Schmid MSc unter Mitarbeit von Mag. Vito Satrapa und
Dipl.-Ing. Matthias Schöpf
Tel.: +43-(0)1-313 04 4334

Verantwortlich für die Freigabe des Berichts / Responsible for authorizing the report

Dipl.-Ing.ⁱⁿ Monika Denner

Leitung Eignungsprüfungen für den Bereich chemische Analytik / Management for
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Spittelauer Lände 5, 1090 Wien/Österreich
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office@umweltbundesamt.at

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D1. Beschreibung des Ringversuchs

D1.1. Ausgestaltung und Durchführung

- Anzahl der Anmeldungen: 20
- Anzahl der übermittelten Datensätze: 20
- Probenversand: 10.03.2026
- Einsendeschluss der Daten: 14.04.2026

Die Ergebnisabgabe erfolgte auf elektronischem Weg mittels passwortgeschützter Online-Dateneingabe.

Beim Abschluss der Dateneingabe bestätigten die Teilnehmenden 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 und von gereinigtem Abwasser erfolgte am 06.03.2026. Das Probenmaterial umfasste:

- 1 Probe Oberflächenwasser (AZ13 A)
- 1 Probe gereinigtes Abwasser (AZ13 B)

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

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

Die homogenen Prüfgegenstände wurden am 10.03.2026 verschickt.

Jedes teilnehmende Labor erhielt:

- 2 Proben zu je ca. 2000 ml, abgefüllt in je 2 x 1000 ml Aluminium-Flaschen

D1.3. Anweisungen für die Teilnehmenden

Aus Stabilitätsgründen wurde empfohlen bis spätestens 18.03.2026 mit den Analysen zu beginnen.

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

D1.4. Kontrollanalytik zur Bewertung der Homogenität

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

Es wurden für die A- bzw. B-Probe jeweils n=5 Kontrollproben sowie n=1 undotierte Realprobe dem Labor zur Analyse übergeben. Alle Parameter wurden in der Prüfstelle am Umweltbundesamt (Prüfstelle für Umwelt-, GVO- & Treibstoffanalytik) zeitnah zum Probenversand analysiert.

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

Die Ergebnisse der Kontrollanalytik sind in der parameterorientierten Auswertung (E7) 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 2025.

Um die ausreichende Stabilität der Prüfgegenstände der aktuellen Eignungsprüfungsrunde bis zum Abgabetermin zu überprüfen, wurde die Darstellung der Ergebnisse der Teilnehmenden nach Analysendatum ausgewertet und auf systematische Trends geprüft (unauffällig).

Durch Darstellung der Ergebnisse der Teilnehmenden 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 14.04.2026 beim Veranstalter vorliegen. Später eingehende Werte wurden nicht berücksichtigt.

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

Nach Abschluss der Plausibilitätsprüfung, wurde der Ausreißertest nach Hampel durchgeführt und die Ausreißer ermittelt. Die von diesem Test auffällig eingestufteten 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 gleicher 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 Expert:innenbefund). 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 $n=6$ 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. Die Prüfung auf Rückführbarkeit des zugewiesenen Wertes erfolgt durch Vergleich mit dem Mittelwert des Kontrolllabores.

Bei sehr hohen Streuungen der Ergebnisse der Teilnehmenden von über 50 % oder bei mangelhafter Rückführbarkeit der statistischen Kenndaten aus den ausreißerbereinigten Ergebnissen der Teilnehmenden 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 Ergebnisse der Teilnehmenden für diesen Parameter möglich ist.

Ein entsprechender Hinweis wird im Bericht unter E7 bei der informativen Auswertung angebracht. Im Rahmen der internen Qualitätssicherung der Teilnehmenden 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:

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

x_i	Messergebnis des teilnehmenden Labors
\bar{X}	zugewiesener Wert Sollwert für die Leistungsbewertung der Teilnehmenden (angegeben auf 3 signifikante Stellen); im Regelfall: ausreißerbereinigter Mittelwert der Ergebnisse der Teilnehmenden. 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 2025 (RSDpooled). 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 zusätzliche Bewertungen unter Einbeziehung der erweiterten Messunsicherheiten der Teilnehmenden und der erweiterten Messunsicherheit des zugewiesenen Wertes, gemäß E_n-Score. Diese Auswertungen werden für die Teilnehmenden im Bericht unter Punkt E8, jeweils im Anschluss an die z-Score Auswertung dargestellt.

Die Ermittlung der E_n-Scores erfolgte gemäß nachfolgender Formel:

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

x_i	Messergebnis des teilnehmenden Labors
\bar{X}	zugewiesener Wert Sollwert für die Leistungsbewertung der Teilnehmenden (angegeben auf 3 signifikante Stellen); im Regelfall: ausreißerbereinigter Mittelwert der Ergebnisse der Teilnehmenden. Eine davon abweichende Vorgehensweise wird unter Punkt D4 des Berichts beschrieben.
$U(x_i)$	erweiterte Messunsicherheit des Messergebnisses (Ergebnisse der Teilnehmenden), 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 Teilnehmenden 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-Scores erfolgt die Berücksichtigung der erweiterten Messunsicherheiten der Teilnehmenden 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 D5 entnommen werden.

D4. Anmerkungen zur Auswertung

Wie unter Punkt D2 ersichtlich, können die z-Scores auch unter Einbeziehung der Vergleichsstandardabweichung der ausreißerbereinigten Ergebnisse der Teilnehmenden 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 Ergebnisse der Teilnehmenden 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 von Eignungsprüfungen (Realproben) von 2014 bis 2025 wurden Kriterien (RSDpool) zur Ergebnisbewertung berechnet. Diese wurden im Zuge der Auswertung den relativen Vergleichsstandardabweichungen (vR) des aktuellen Ringversuchs gegenübergestellt.

Parameter 4-Acetylaminoantipyrin, Acesulfam, Amidotrizoesäure, Atenolol, 10,11-Dihydro-10,11-Dihydroxycarbamazepin, Cyclamat, Diclofenac, Metoprolol, Sotalol, Sucralose und Sulfamethoxazol bei Probe AZ13 A und Parameter Acesulfam, Amidotrizoesäure, Atenolol, Bisoprolol, Cyclamat, Diclofenac, Iopamidol, Metoprolol, Saccharin, Sotalol und Sulfamethoxazol bei Probe AZ13 B: Bei diesen Parametern erfolgt die Berechnung der Scores nach D2.

Parameter Benzotriazol und Saccharin bei Probe AZ13 A: Die auf Basis der Ergebnisse der Teilnehmenden 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 Teilnehmenden berechnet.

Parameter 4-Formylaminoantipyrin, Bisoprolol, Carbamazepin, Ibuprofen, Iopamidol und Saccharin bei Probe AZ13 A und Parameter Benzotriazol, 4-Acetylaminoantipyrin, Carbamazepin, 10,11-Dihydro-10,11-Dihydroxycarbamazepin, Ibuprofen und Sucralose bei Probe AZ13 B:

Für diese Parameter wurden relative Vergleichsstandardabweichungen (vR) der aktuellen Eignungsprüfungsrunde für die Bewertung gewählt.

Parameter Diazepam bei Probe AZ13 A sowie 4-Formylaminoantipyrin und Diazepam bei Probe AZ13 B: Aufgrund einer zu geringen Anzahl an übermittelten Ergebnissen der Teilnehmenden ($n < 6$) bzw. aufgrund von weniger als 6 vorliegenden Ergebnissen nach

Ausreißerbereinigung konnte kein Sollwert berechnet werden. Für diese Parameter empfehlen wir einen Vergleich mit den in D6.1 angeführten informativen Werten.

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 Teilnehmenden (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 Ergebnisse der Teilnehmenden (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 Ergebnissen der Teilnehmenden des aktuellen Ringversuchs (angegeben auf 3 signifikante Stellen)
vR	relative Vergleichsstandardabweichung in %, berechnet aus den ausreißerbereinigten Ergebnissen der Teilnehmenden des aktuellen Ringversuchs bezogen auf den Mittelwert (angegeben auf 2 signifikante Stellen)
Kontrollwert ± U (k=2)	Mittelwert der Kontrollmessungen des Veranstalters ± erweiterte Ergebnisunsicherheit des Kontrollwertes (jeweils angegeben auf 3 signifikante Stellen)
Laborcode	anonymisierte, eindeutige Kennung des teilnehmenden Labors im jeweiligen Ringversuch
Messwert	einzelne(r) Messwert(e) lt. Angabe der Teilnehmenden (maximal 5 Nachkommastellen dargestellt)

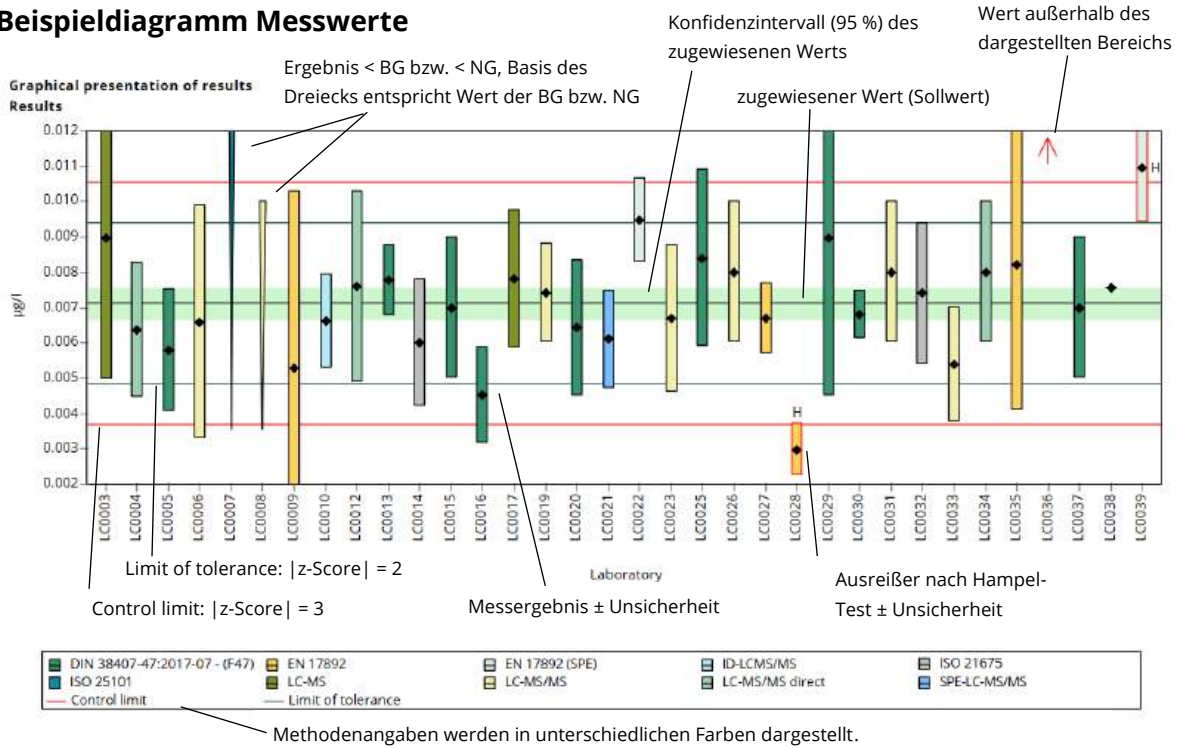
Messergebnis	Für die Bewertung herangezogenes Ergebnis lt. Angabe der Teilnehmenden (maximal 5 Nachkommastellen dargestellt). Bei Eignungsprüfungsrounden mit Vorgabe von unabhängigen Mehrfachbestimmungen, entspricht dies dem berechneten Mittelwert aus den einzelnen Messwerten der Teilnehmenden.
$\pm U$	kombinierte Messunsicherheit ohne Erweiterungsfaktor ($k=1$) lt. Angabe der Teilnehmenden (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 Teilnehmenden (angegeben auf 3 signifikante Stellen, dargestellt maximal 2 Nachkommastellen). Beim E_n -Score erfolgt die Berücksichtigung der Messunsicherheit der Teilnehmenden.
-	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 Bestimmungsgrenze 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 Ergebnissen der Teilnehmenden des aktuellen Ringversuchs (angegeben auf 3 signifikante Stellen)

rel. Standardabweichung	relative Vergleichsstandardabweichung in %, berechnet aus den Ergebnissen der Teilnehmenden des aktuellen Ringversuchs bezogen auf den Mittelwert (angegeben auf 3 signifikante Stellen)
n	Anzahl der Messergebnisse
*	Kennzeichnung für Hinweise zur Erläuterung

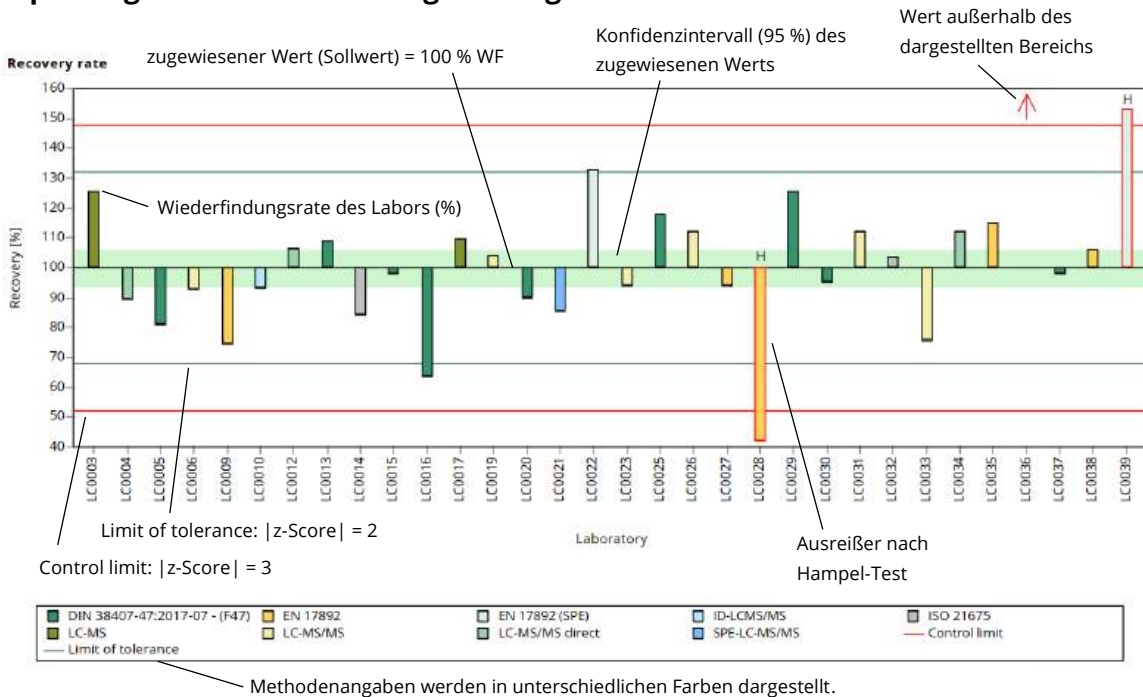
D5.2. Graphische Darstellung der Ergebnisse

Nachfolgend wird die graphische Darstellung anhand von kommentierten Beispieldiagrammen erläutert.

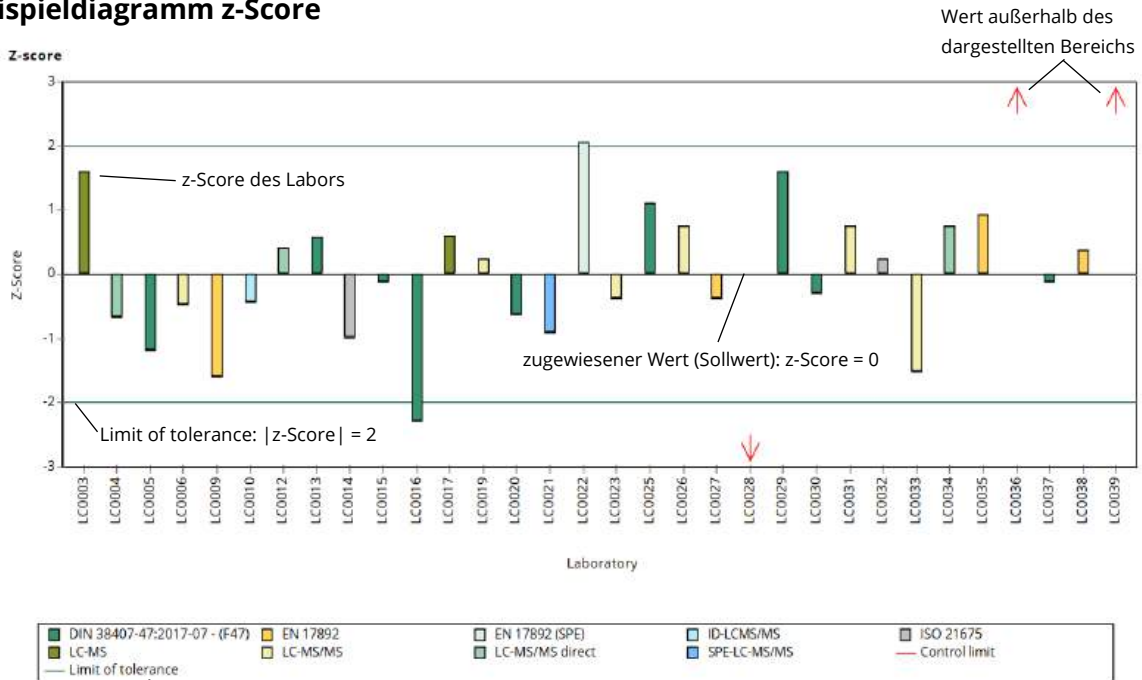
Beispieldiagramm Messwerte



Beispieldiagramm Wiederfindung zum zugewiesenen Wert

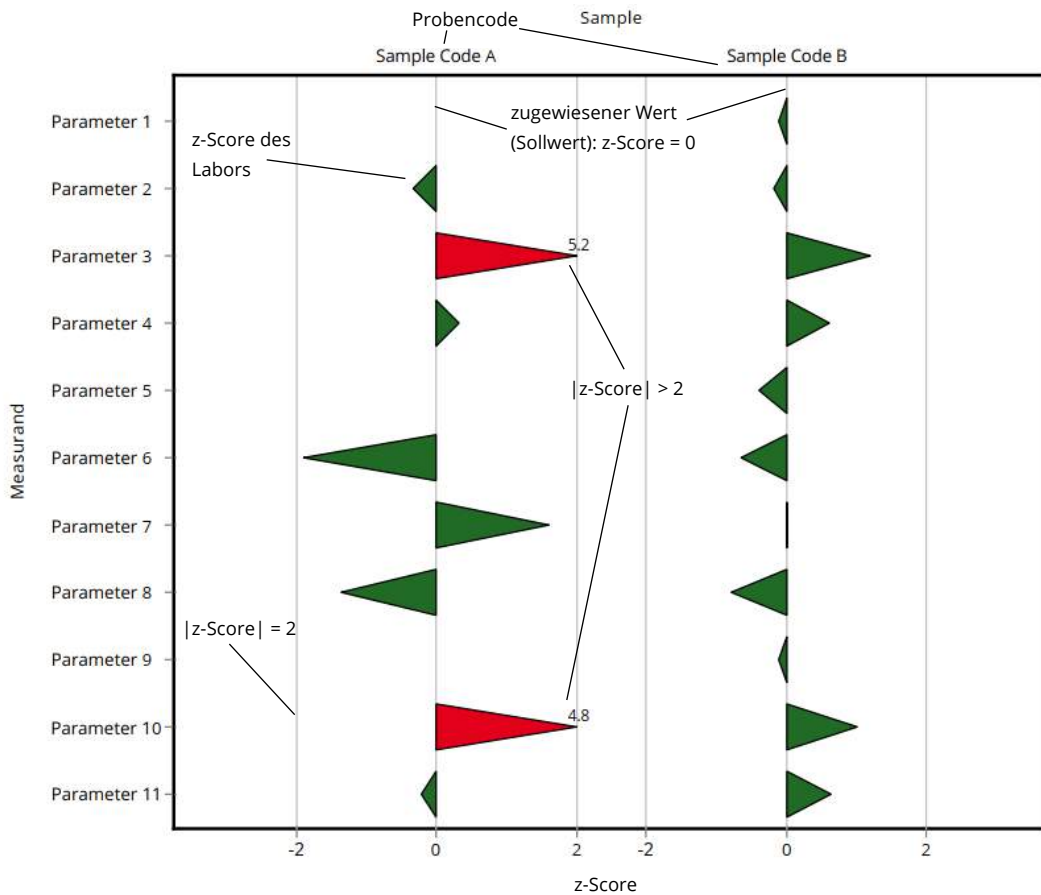


Beispieldiagramm z-Score

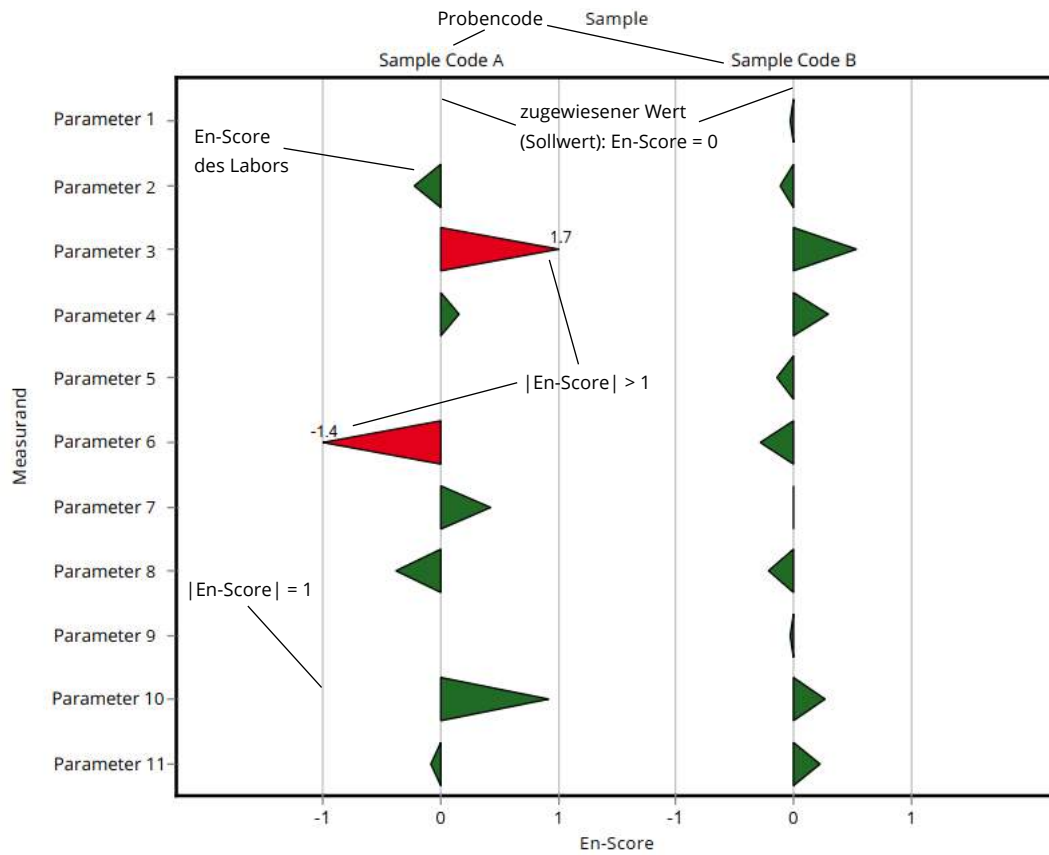


Methodenangaben werden in unterschiedlichen Farben dargestellt.

Beispieldiagramm z-Score (labororientierte Auswertung)



Beispieldiagramm En-Score (labororientierte Auswertung)



D6. Zusammenfassung

D6.1. Tabelle der zugewiesenen Werte

Parameter	Probe	Einheit	zugewiesener \pm U (k=2) Wert		Kriterium	Kriterium [%]
4-Acetylaminoantipyrin	AZ13 A	$\mu\text{g/l}$	0.398 \pm	0.0343	0.0518	13
	AZ13 B	$\mu\text{g/l}$	3.94 \pm	0.481	0.631	16
4-Formylaminoantipyrin	AZ13 A	$\mu\text{g/l}$	0.184 \pm	0.0288	0.0386	21
	AZ13 B*	$\mu\text{g/l}$	- \pm	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepin	AZ13 A	$\mu\text{g/l}$	0.0947 \pm	0.0157	0.0189	20
	AZ13 B	$\mu\text{g/l}$	0.98 \pm	0.188	0.235	24
Acesulfam	AZ13 A	$\mu\text{g/l}$	0.317 \pm	0.0186	0.0539	17
	AZ13 B	$\mu\text{g/l}$	0.735 \pm	0.0494	0.125	17
Amidotrizoesäure	AZ13 A	$\mu\text{g/l}$	0.22 \pm	0.0192	0.044	20
	AZ13 B	$\mu\text{g/l}$	1.36 \pm	0.108	0.272	20
Atenolol	AZ13 A	$\mu\text{g/l}$	0.327 \pm	0.0367	0.0655	20
	AZ13 B	$\mu\text{g/l}$	0.248 \pm	0.0203	0.0497	20
Benzotriazol	AZ13 A	$\mu\text{g/l}$	0.0794 \pm	0.00279	0.00953	12
	AZ13 B	$\mu\text{g/l}$	4.8 \pm	0.293	0.624	13
Bisoprolol	AZ13 A	$\mu\text{g/l}$	0.189 \pm	0.0306	0.0398	21
	AZ13 B	$\mu\text{g/l}$	0.447 \pm	0.0529	0.0848	19
Carbamazepin	AZ13 A	$\mu\text{g/l}$	0.167 \pm	0.0143	0.0301	18
	AZ13 B	$\mu\text{g/l}$	0.366 \pm	0.0336	0.0731	20
Cyclamat	AZ13 A	$\mu\text{g/l}$	0.171 \pm	0.0189	0.0342	20
	AZ13 B	$\mu\text{g/l}$	0.338 \pm	0.0312	0.0677	20
Diazepam	AZ13 A*	$\mu\text{g/l}$	- \pm	-	-	-
	AZ13 B*	$\mu\text{g/l}$	- \pm	-	-	-
Diclofenac	AZ13 A	$\mu\text{g/l}$	0.175 \pm	0.00654	0.0245	14
	AZ13 B	$\mu\text{g/l}$	2.76 \pm	0.161	0.387	14
Ibuprofen	AZ13 A	$\mu\text{g/l}$	0.258 \pm	0.0363	0.0645	25
	AZ13 B	$\mu\text{g/l}$	0.688 \pm	0.102	0.179	26
Iopamidol	AZ13 A	$\mu\text{g/l}$	0.348 \pm	0.0479	0.087	25
	AZ13 B	$\mu\text{g/l}$	50 \pm	4.77	10	20
Metoprolol	AZ13 A	$\mu\text{g/l}$	0.192 \pm	0.00971	0.0327	17
	AZ13 B	$\mu\text{g/l}$	0.187 \pm	0.016	0.0318	17
Saccharin	AZ13 A	$\mu\text{g/l}$	0.389 \pm	0.0585	0.101	26

Parameter	Probe	Einheit	zugewiesener Wert	$\pm U(k=2)$	Kriterium	Kriterium [%]
Saccharin	AZ13 B	$\mu\text{g/l}$	23.3	1.28	3.5	15
Sotalol	AZ13 A	$\mu\text{g/l}$	0.426	0.0424	0.0937	22
	AZ13 B	$\mu\text{g/l}$	0.17	0.0154	0.0373	22
Sucralose	AZ13 A	$\mu\text{g/l}$	0.629	0.074	0.157	25
	AZ13 B	$\mu\text{g/l}$	33.4	5.21	8.69	26
Sulfamethoxazol	AZ13 A	$\mu\text{g/l}$	0.176	0.00987	0.0212	12
	AZ13 B	$\mu\text{g/l}$	0.146	0.00868	0.0175	12

* Für nachfolgende Substanzen liegen zu wenige Laborergebnisse vor ($n < 6$), daher sind zur Information die berechneten Mittelwerte $MW \pm U(k=2)$ über die Daten der (akkreditierten) Labore (n) nach Ausreißerbereinigung angeführt. Diese können zum Vergleich im Rahmen Ihrer QS-Maßnahmen herangezogen werden.

4-Formylaminoantipyrin

AZ13 B: $MW (n=4, \text{akkr.}) \pm U(k=2): 6.49 \pm 0.66 \mu\text{g/l}$

Diazepam

AZ13 A: $MW (n=3, \text{akkr.}) \pm U(k=2): 0.124 \pm 0.00176 \mu\text{g/l}$

AZ13 B: $MW (n=4, \text{akkr.}) \pm U(k=2): 1.16 \pm 0.0722 \mu\text{g/l}$

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	AZ13 A	8	0	µg/l	0.398	± 0.0515	0.319	0.486	0.0485	12
	AZ13 B	7	0	µg/l	3.94	± 0.721	3.35	5.21	0.636	16
4-Formylaminoantipyrin	AZ13 A	7	0	µg/l	0.184	± 0.0431	0.141	0.245	0.038	21
	AZ13 B	5	1	µg/l	-	± -	5.56	7.35	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepin	AZ13 A	6	1	µg/l	0.0947	± 0.0235	0.082	0.133	0.0192	20
	AZ13 B	6	0	µg/l	0.98	± 0.282	0.63	1.34	0.23	23
Acesulfam	AZ13 A	15	3	µg/l	0.317	± 0.0279	0.231	0.384	0.036	11
	AZ13 B	13	4	µg/l	0.735	± 0.0741	0.529	0.835	0.0891	12
Amidotrizoesäure	AZ13 A	14	1	µg/l	0.22	± 0.0287	0.135	0.292	0.0358	16
	AZ13 B	11	3	µg/l	1.36	± 0.162	0.964	1.6	0.179	13
Atenolol	AZ13 A	10	0	µg/l	0.327	± 0.0551	0.265	0.427	0.058	18
	AZ13 B	9	1	µg/l	0.248	± 0.0304	0.213	0.308	0.0304	12
Benzotriazol	AZ13 A	16	2	µg/l	0.0832	± 0.00618	0.073	0.104	0.00824	9.9
	AZ13 B	18	0	µg/l	4.8	± 0.44	3.75	6.49	0.622	13
Bisoprolol	AZ13 A	7	0	µg/l	0.189	± 0.0458	0.136	0.248	0.0404	21
	AZ13 B	7	0	µg/l	0.447	± 0.0793	0.375	0.562	0.07	16
Carbamazepin	AZ13 A	18	1	µg/l	0.167	± 0.0215	0.102	0.216	0.0304	18
	AZ13 B	19	0	µg/l	0.366	± 0.0504	0.239	0.524	0.0733	20
Cyclamat	AZ13 A	11	0	µg/l	0.171	± 0.0283	0.11	0.217	0.0313	18
	AZ13 B	9	2	µg/l	0.338	± 0.0468	0.26	0.414	0.0468	14
Diazepam	AZ13 A	5	0	µg/l	-	± -	0.109	0.137	-	-

Parameter	Probe	Anzahl Labors für Berechnung	Anzahl Ausreißer Labors	Einheit	Mittelwert	± VB (99%)	Minimum	Maximum	sR	vR [%]
Diazepam	AZ13 B	5	0	µg/l	-	± -	1.06	1.33	-	-
Diclofenac	AZ13 A	12	3	µg/l	0.175	± 0.00982	0.151	0.195	0.0113	6.5
	AZ13 B	14	2	µg/l	2.76	± 0.241	2.09	3.29	0.301	11
Ibuprofen	AZ13 A	13	0	µg/l	0.258	± 0.0545	0.152	0.399	0.0655	25
	AZ13 B	12	1	µg/l	0.688	± 0.153	0.336	0.997	0.176	26
Iopamidol	AZ13 A	13	0	µg/l	0.348	± 0.0719	0.142	0.483	0.0864	25
	AZ13 B	12	1	µg/l	50	± 7.16	35	68.6	8.26	17
Metoprolol	AZ13 A	12	2	µg/l	0.192	± 0.0146	0.161	0.226	0.0168	8.7
	AZ13 B	12	1	µg/l	0.187	± 0.024	0.141	0.237	0.0278	15
Saccharin	AZ13 A	12	0	µg/l	0.426	± 0.0957	0.223	0.636	0.11	26
	AZ13 B	10	1	µg/l	23.3	± 1.92	20.7	27.3	2.02	8.7
Sotalol	AZ13 A	11	2	µg/l	0.426	± 0.0637	0.328	0.584	0.0704	17
	AZ13 B	13	0	µg/l	0.17	± 0.0231	0.122	0.214	0.0278	16
Sucralose	AZ13 A	10	1	µg/l	0.629	± 0.111	0.474	0.839	0.117	19
	AZ13 B	11	0	µg/l	33.4	± 7.81	21.5	50.2	8.63	26
Sulfamethoxazol	AZ13 A	16	0	µg/l	0.176	± 0.0148	0.15	0.22	0.0197	11
	AZ13 B	16	1	µg/l	0.146	± 0.013	0.115	0.179	0.0174	12

E1. Description of the proficiency test

E1.1. Design and implementation

- Number of registrations: 20
- Number of submitted data records: 20
- Dispatch of samples: March 10th, 2026
- Closing date for submission of data: April 14th, 2026

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

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

E1.2. Description of the proficiency test items

The sampling of surface water and municipal waste water was carried out on March 6th, 2026.

The following samples were made available

- 1 sample surface water (AZ13 A)
- 1 sample municipal waste water (AZ13 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 10th of March 2026.

Each participant received:

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

E1.3. Instructions for the participants

For reasons of stability, it was recommended to start the analysis by the 18th of March 2026 at the latest.

The participants were 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 the Environment Agency Austria (Prüfstelle für Umwelt-, GVO- & Treibstoffanalytik) close to the time of sample dispatch.

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

In the parameter-oriented evaluation (E7), 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 2025.

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 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 14th of April 2026. Any values received at later date were not considered.

During 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 prompt feedback within 24 hours.

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 n=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. The traceability of the assigned value is checked by comparing it with the mean value of the control testing laboratory.

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 statistical data provided is for information only. In section E4 further information is given, when applicable, for each parameter and proficiency test item. In course of the internal quality measures, the participants can compare their results with the control test values.

E2. Criteria of performance evaluation

E2.1. Performance criterion z-Score

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

z-Scores were calculated based on the following formula:

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

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
Criterion	is the reproducibility standard deviation calculated from previous rounds for proficiency testing for real water samples from 2013 to 2025 (as RSD pooled). Where justified (e.g. results for real water samples are close to minimum quantification limit or in case of regulatory requirements) the criterion is defined by expert judgement and the procedure is clearly described in section E4 of the report.

E2.2. Performance criterion E_n-Score

In addition, an assessment of the participants' results using E_n-Scores for proficiency testing of real water samples is performed. This additional assessment considers 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 based on the following formula:

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

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 considered. 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 considered. $|E_n\text{-Score}| > 1.0$ 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 E5.

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 proficiency testing rounds between 2014 and 2025 in real samples, evaluation criteria (RSD_{pool}) were calculated. These criteria were compared with the relative reproducibility standard deviation (v_R) of the current proficiency testing.

Parameters 4-acetylaminoantipyrine, acesulfame, amidotrizoic acid, atenolol, 10,11-dihydro-10,11-dihydroxycarbamazepine, cyclamate, diclofenac, metoprolol, sotalol, sucralose and sulfamethoxazole sample AZ13 A and parameters acesulfame, amidotrizoic acid, atenolol, bisoprolol, cyclamate, diclofenac, iopamidol, metoprolol, saccharin, sotalol and sulfamethoxazole sample AZ13 B:

Scores for all listed parameters were calculated according to E2.

Parameters benzotriazole and saccharin sample AZ13 A:

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

Parameters 4-formylaminoantipyrine, bisoprolol, carbamazepine, ibuprofen, iopamidol and saccharin sample AZ13 A and parameters benzotriazole, 4-acetylaminoantipyrine, carbamazepine, 10,11-dihydro-10,11-dihydroxycarbamazepine, ibuprofen and sucralose sample AZ13 B:

For these parameters a reproducibility standard deviation (v_R) of the current proficiency testing round was chosen for assessment.

Parameters diazepam sample AZ13 A and 4-formylaminoantipyrin and diazepam for sample AZ13 B:

Assigned values could not be defined because of the small number of submitted results ($n < 6$) or due to the small number of valid results after outlier removal. For these parameters, we recommend a comparison with the informative values listed in E6.1.

E5. Annotations on tables and charts

E5.1. Information and abbreviations in tables

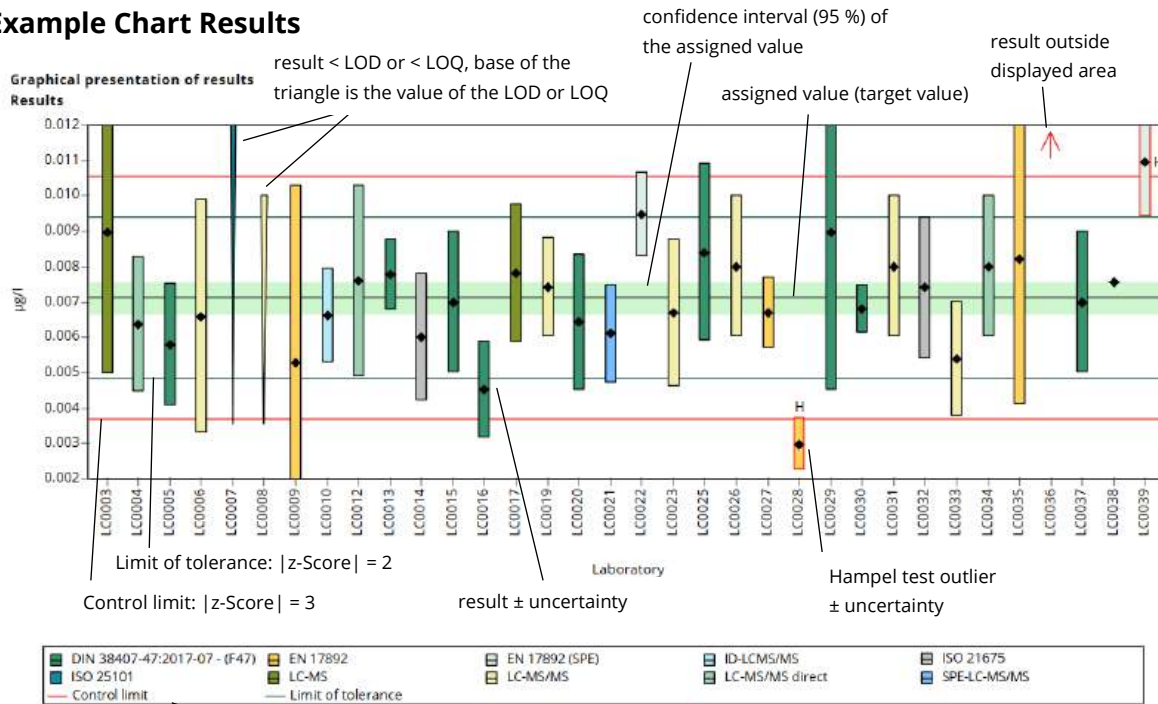
Parameter	Analyte identifier
Sample	Sample identifier
Unit	Given unit for result and uncertainty (e.g. µg/l)
Assigned value	Target value for proficiency assessment of the participants (3 significant digits)
U (k=2)	Expanded uncertainty (k=2) of the assigned value (3 significant digits)
Criteria	Specified 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 results of the participants, 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 ± U (k=2)	Mean of control test value ± expanded measurement uncertainty (3 significant digits)
Labcode	Laboratory identifier (anonymized)
Result ± 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 considers 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
*	mark for additional comments

E5.2. Graphical presentation of results

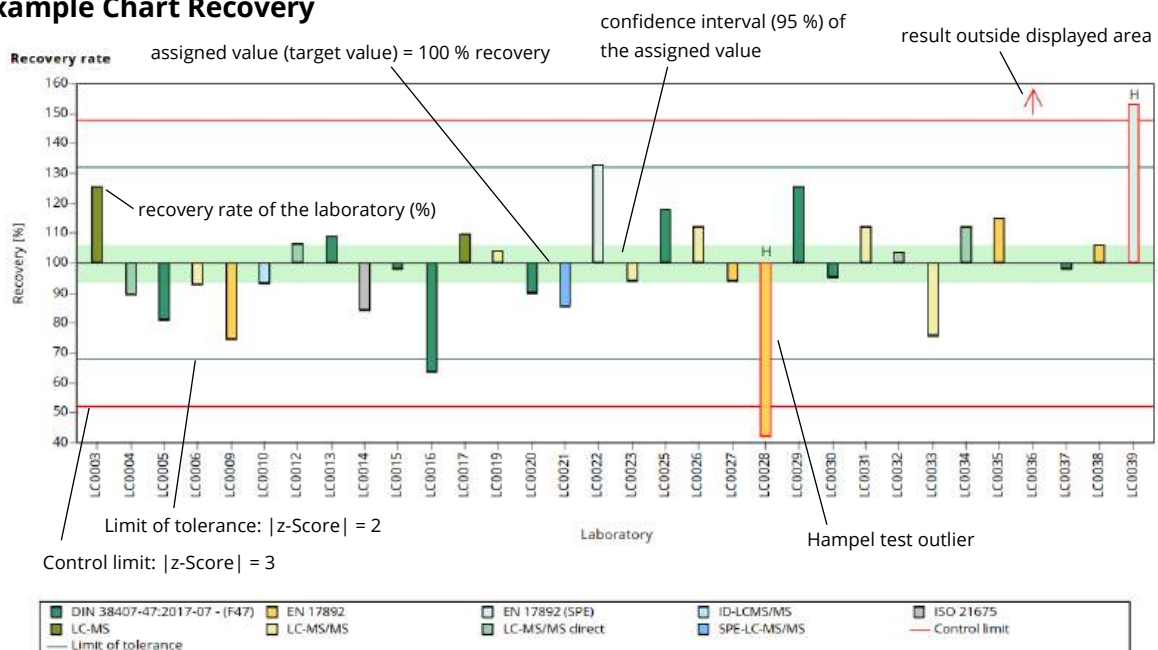
The graphic representation in the report is explained below by means of commented example diagrams.

Example Chart Results



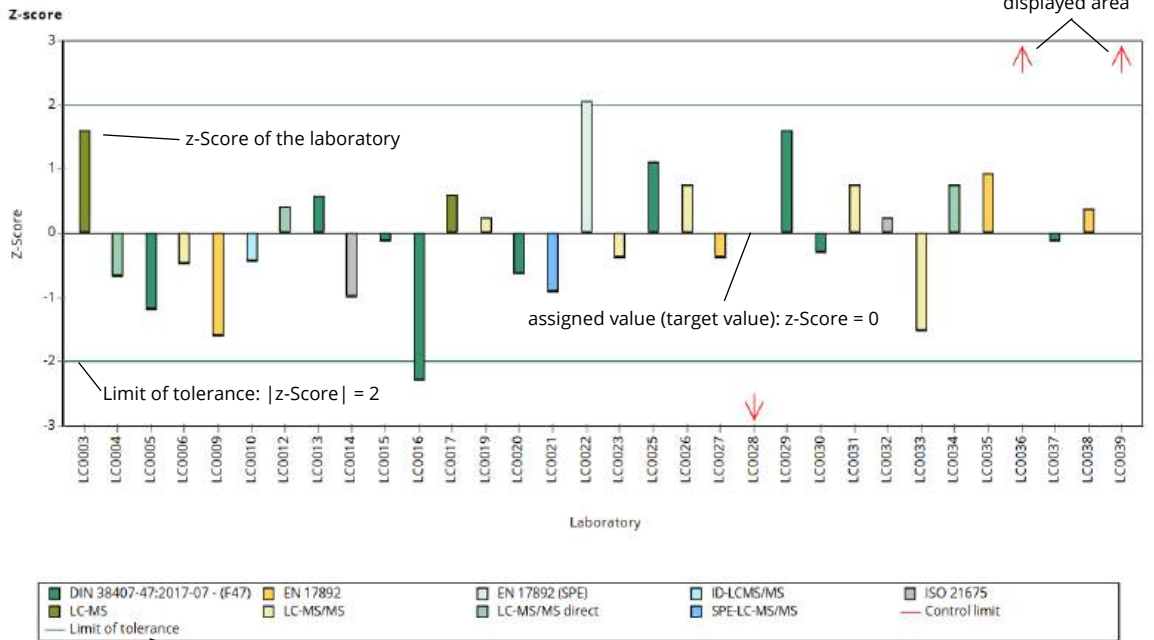
The method information is indicated by different colours.

Example Chart Recovery



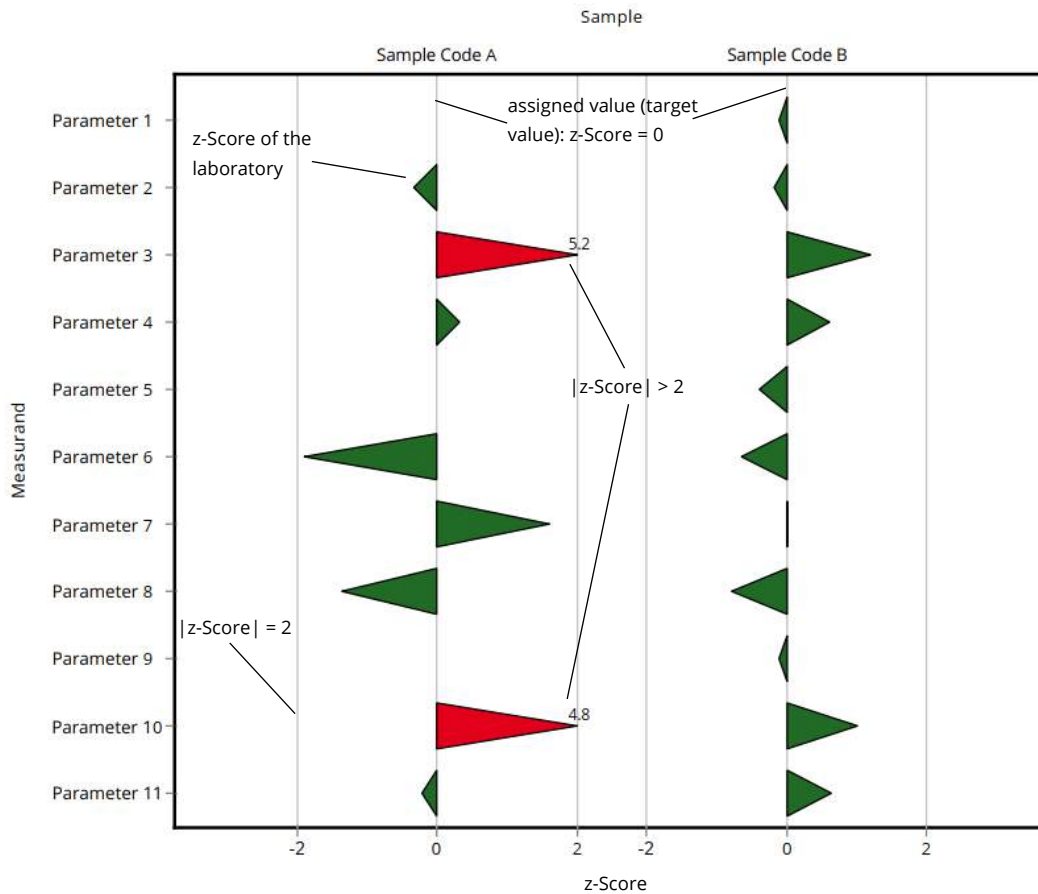
The method information is indicated by different colours.

Example chart z-Score

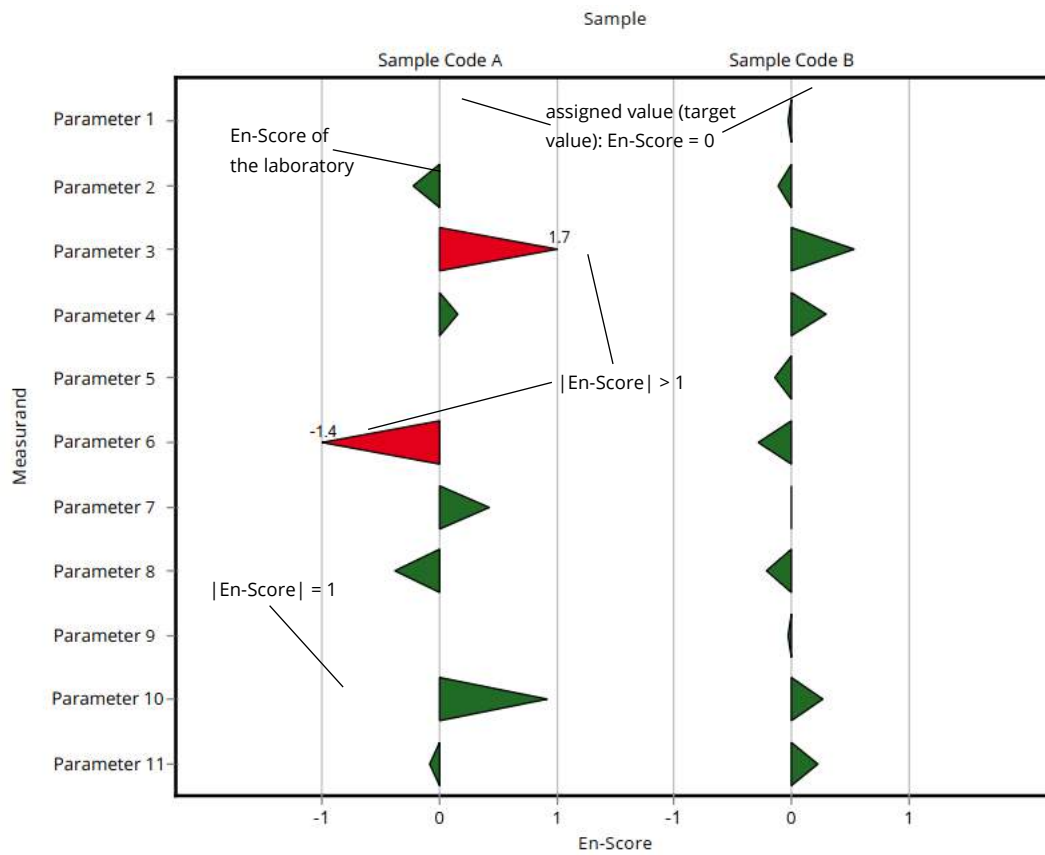


The method information is indicated by different colours.

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 \pm U (k=2)		Criterion	Criterion [%]
4-Acetylaminoantipyrine	AZ13 A	$\mu\text{g/l}$	0.398 \pm	0.0343	0.0518	13
	AZ13 B	$\mu\text{g/l}$	3.94 \pm	0.481	0.631	16
4-Formylaminoantipyrine	AZ13 A	$\mu\text{g/l}$	0.184 \pm	0.0288	0.0386	21
	AZ13 B*	$\mu\text{g/l}$	- \pm	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	AZ13 A	$\mu\text{g/l}$	0.0947 \pm	0.0157	0.0189	20
	AZ13 B	$\mu\text{g/l}$	0.98 \pm	0.188	0.235	24
Acesulfame	AZ13 A	$\mu\text{g/l}$	0.317 \pm	0.0186	0.0539	17
	AZ13 B	$\mu\text{g/l}$	0.735 \pm	0.0494	0.125	17
Amidotrizoic acid	AZ13 A	$\mu\text{g/l}$	0.22 \pm	0.0192	0.044	20
	AZ13 B	$\mu\text{g/l}$	1.36 \pm	0.108	0.272	20
Atenolol	AZ13 A	$\mu\text{g/l}$	0.327 \pm	0.0367	0.0655	20
	AZ13 B	$\mu\text{g/l}$	0.248 \pm	0.0203	0.0497	20
Benzotriazole	AZ13 A	$\mu\text{g/l}$	0.0794 \pm	0.00279	0.00953	12
	AZ13 B	$\mu\text{g/l}$	4.8 \pm	0.293	0.624	13
Bisoprolol	AZ13 A	$\mu\text{g/l}$	0.189 \pm	0.0306	0.0398	21
	AZ13 B	$\mu\text{g/l}$	0.447 \pm	0.0529	0.0848	19
Carbamazepine	AZ13 A	$\mu\text{g/l}$	0.167 \pm	0.0143	0.0301	18
	AZ13 B	$\mu\text{g/l}$	0.366 \pm	0.0336	0.0731	20
Cyclamate	AZ13 A	$\mu\text{g/l}$	0.171 \pm	0.0189	0.0342	20
	AZ13 B	$\mu\text{g/l}$	0.338 \pm	0.0312	0.0677	20
Diazepam	AZ13 A*	$\mu\text{g/l}$	- \pm	-	-	-
	AZ13 B*	$\mu\text{g/l}$	- \pm	-	-	-
Diclofenac	AZ13 A	$\mu\text{g/l}$	0.175 \pm	0.00654	0.0245	14
	AZ13 B	$\mu\text{g/l}$	2.76 \pm	0.161	0.387	14
Ibuprofen	AZ13 A	$\mu\text{g/l}$	0.258 \pm	0.0363	0.0645	25
	AZ13 B	$\mu\text{g/l}$	0.688 \pm	0.102	0.179	26
Iopamidol	AZ13 A	$\mu\text{g/l}$	0.348 \pm	0.0479	0.087	25
	AZ13 B	$\mu\text{g/l}$	50 \pm	4.77	10	20
Metoprolol	AZ13 A	$\mu\text{g/l}$	0.192 \pm	0.00971	0.0327	17
	AZ13 B	$\mu\text{g/l}$	0.187 \pm	0.016	0.0318	17
Saccharin	AZ13 A	$\mu\text{g/l}$	0.389 \pm	0.0585	0.101	26

Parameter	Sample	Unit	Assigned value ± U (k=2)	Criterion	Criterion [%]
Saccharin	AZ13 B	µg/l	23.3 ± 1.28	3.5	15
Sotalol	AZ13 A	µg/l	0.426 ± 0.0424	0.0937	22
	AZ13 B	µg/l	0.17 ± 0.0154	0.0373	22
Sucralose	AZ13 A	µg/l	0.629 ± 0.074	0.157	25
	AZ13 B	µg/l	33.4 ± 5.21	8.69	26
Sulfamethoxazole	AZ13 A	µg/l	0.176 ± 0.00987	0.0212	12
	AZ13 B	µg/l	0.146 ± 0.00868	0.0175	12

* For the following substances there are too few laboratory results available (n<6), therefore the calculated mean values MV±/· U(k=2) based on the data of the (accredited) laboratories (n) after outlier removal are given for information. These can be used for comparison as part of your internal QA measures.

4-Formylaminoantipyrine

AZ13 B: MV (n=4, accr.) ±/· U(k=2): 6.49 ±/· 0.66 µg/l

Diazepam

AZ13 A: MV (n=3, accr.) ±/· U(k=2): 0.124 ±/· 0.00176 µg/l

AZ13 B: MV (n=4, accr.) ±/· U(k=2): 1.16 ±/· 0.0722 µg/l

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	AZ13 A	8	0	µg/l	0.398 ± 0.0515	0.319	0.486	0.0485	12
	AZ13 B	7	0	µg/l	3.94 ± 0.721	3.35	5.21	0.636	16
4-Formylaminoantipyrine	AZ13 A	7	0	µg/l	0.184 ± 0.0431	0.141	0.245	0.038	21
	AZ13 B	5	1	µg/l	- ± -	5.56	7.35	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	AZ13 A	6	1	µg/l	0.0947 ± 0.0235	0.082	0.133	0.0192	20
	AZ13 B	6	0	µg/l	0.98 ± 0.282	0.63	1.34	0.23	23
Acesulfame	AZ13 A	15	3	µg/l	0.317 ± 0.0279	0.231	0.384	0.036	11
	AZ13 B	13	4	µg/l	0.735 ± 0.0741	0.529	0.835	0.0891	12
Amidotrizoic acid	AZ13 A	14	1	µg/l	0.22 ± 0.0287	0.135	0.292	0.0358	16
	AZ13 B	11	3	µg/l	1.36 ± 0.162	0.964	1.6	0.179	13
Atenolol	AZ13 A	10	0	µg/l	0.327 ± 0.0551	0.265	0.427	0.058	18
	AZ13 B	9	1	µg/l	0.248 ± 0.0304	0.213	0.308	0.0304	12
Benzotriazole	AZ13 A	16	2	µg/l	0.0832 ± 0.00618	0.073	0.104	0.00824	9.9
	AZ13 B	18	0	µg/l	4.8 ± 0.44	3.75	6.49	0.622	13
Bisoprolol	AZ13 A	7	0	µg/l	0.189 ± 0.0458	0.136	0.248	0.0404	21
	AZ13 B	7	0	µg/l	0.447 ± 0.0793	0.375	0.562	0.07	16
Carbamazepine	AZ13 A	18	1	µg/l	0.167 ± 0.0215	0.102	0.216	0.0304	18
	AZ13 B	19	0	µg/l	0.366 ± 0.0504	0.239	0.524	0.0733	20
Cyclamate	AZ13 A	11	0	µg/l	0.171 ± 0.0283	0.11	0.217	0.0313	18
	AZ13 B	9	2	µg/l	0.338 ± 0.0468	0.26	0.414	0.0468	14
Diazepam	AZ13 A	5	0	µg/l	- ± -	0.109	0.137	-	-

Parameter	Sample	Number of results for calculation	Number of outliers	Unit	Mean ± CI (99%)	Minimum	Maximum	sR	vR [%]
Diazepam	AZ13 B	5	0	µg/l	- ± -	1.06	1.33	-	-
Diclofenac	AZ13 A	12	3	µg/l	0.175 ± 0.00982	0.151	0.195	0.0113	6.5
	AZ13 B	14	2	µg/l	2.76 ± 0.241	2.09	3.29	0.301	11
Ibuprofen	AZ13 A	13	0	µg/l	0.258 ± 0.0545	0.152	0.399	0.0655	25
	AZ13 B	12	1	µg/l	0.688 ± 0.153	0.336	0.997	0.176	26
Iopamidol	AZ13 A	13	0	µg/l	0.348 ± 0.0719	0.142	0.483	0.0864	25
	AZ13 B	12	1	µg/l	50 ± 7.16	35	68.6	8.26	17
Metoprolol	AZ13 A	12	2	µg/l	0.192 ± 0.0146	0.161	0.226	0.0168	8.7
	AZ13 B	12	1	µg/l	0.187 ± 0.024	0.141	0.237	0.0278	15
Saccharin	AZ13 A	12	0	µg/l	0.426 ± 0.0957	0.223	0.636	0.11	26
	AZ13 B	10	1	µg/l	23.3 ± 1.92	20.7	27.3	2.02	8.7
Sotalol	AZ13 A	11	2	µg/l	0.426 ± 0.0637	0.328	0.584	0.0704	17
	AZ13 B	13	0	µg/l	0.17 ± 0.0231	0.122	0.214	0.0278	16
Sucralose	AZ13 A	10	1	µg/l	0.629 ± 0.111	0.474	0.839	0.117	19
	AZ13 B	11	0	µg/l	33.4 ± 7.81	21.5	50.2	8.63	26
Sulfamethoxazole	AZ13 A	16	0	µg/l	0.176 ± 0.0148	0.15	0.22	0.0197	11
	AZ13 B	16	1	µg/l	0.146 ± 0.013	0.115	0.179	0.0174	12

E7. Parameterorientierte Auswertung / Parameter oriented report

4-Acetylaminoantipyrine.....	37
4-Formylaminoantipyrine.....	45
10,11-Dihydro-10,11-Dihydroxycarbamazepine	51
Acesulfame	59
Amidotrizoic acid	67
Atenolol	75
Benzotriazole.....	83
Bisoprolol.....	91
Carbamazepine.....	99
Cyclamate	107
Diazepam	115
Diclofenac	119
Ibuprofen	127
Iopamidol.....	135
Metoprolol	143
Saccharin.....	151
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Sucralose.....	167
Sulfamethoxazole	175

Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ13 Sample: AZ13A, Parameter: 4-Acetylaminoantipyrine

Parameter oriented report

AZ13 A

4-Acetylaminoantipyrine

Unit	µg/l
Assigned value ± U (k=2)	0.398 ± 0.0343
Criterion	0.0518 (13 %)
Minimum - Maximum	0.319 - 0.486
Control test value ± U (k=2)	0.463 ± 0.139

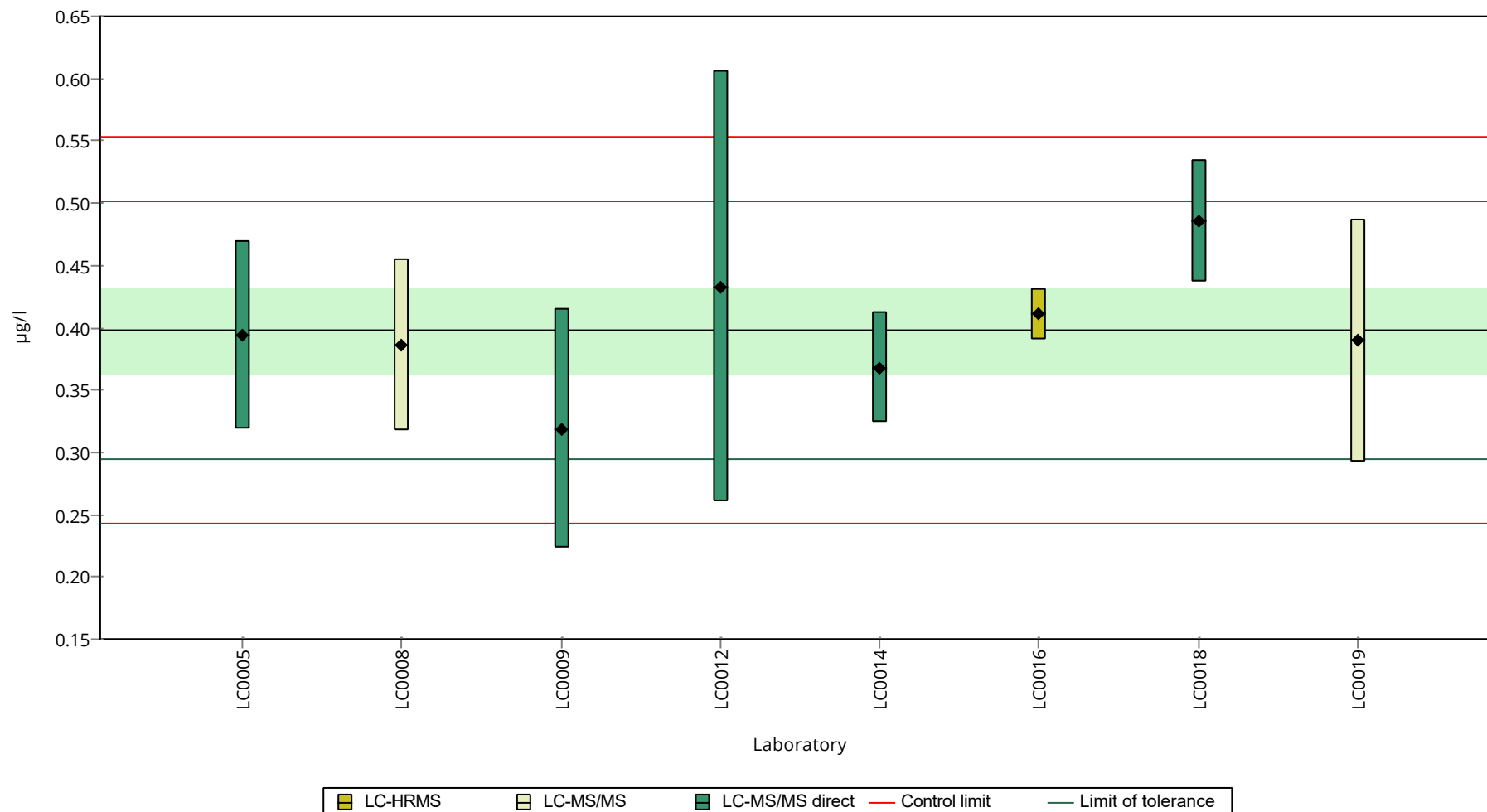
Labcode	Result ± U	Recovery [%]	z-Score	Comments
LC0001	- ± -	-	-	
LC0002	- ± -	-	-	
LC0004	- ± -	-	-	
LC0005	0.3944 ± 0.0754	99	-0.08	
LC0006	- ± -	-	-	
LC0007	- ± -	-	-	
LC0008	0.386 ± 0.0695	96.9	-0.24	
LC0009	0.319 ± 0.096	80.1	-1.53	
LC0010	- ± -	-	-	
LC0011	- ± -	-	-	
LC0012	0.433 ± 0.173	109	0.67	
LC0013	- ± -	-	-	
LC0014	0.368 ± 0.0442	92.4	-0.59	
LC0015	- ± -	-	-	
LC0016	0.411 ± 0.0203	103	0.24	
LC0017	- ± -	-	-	
LC0018	0.486 ± 0.049	122	1.69	
LC0019	0.39 ± 0.0975	97.9	-0.16	
LC0020	- ± -	-	-	
LC0021	- ± -	-	-	

Characteristics of parameter

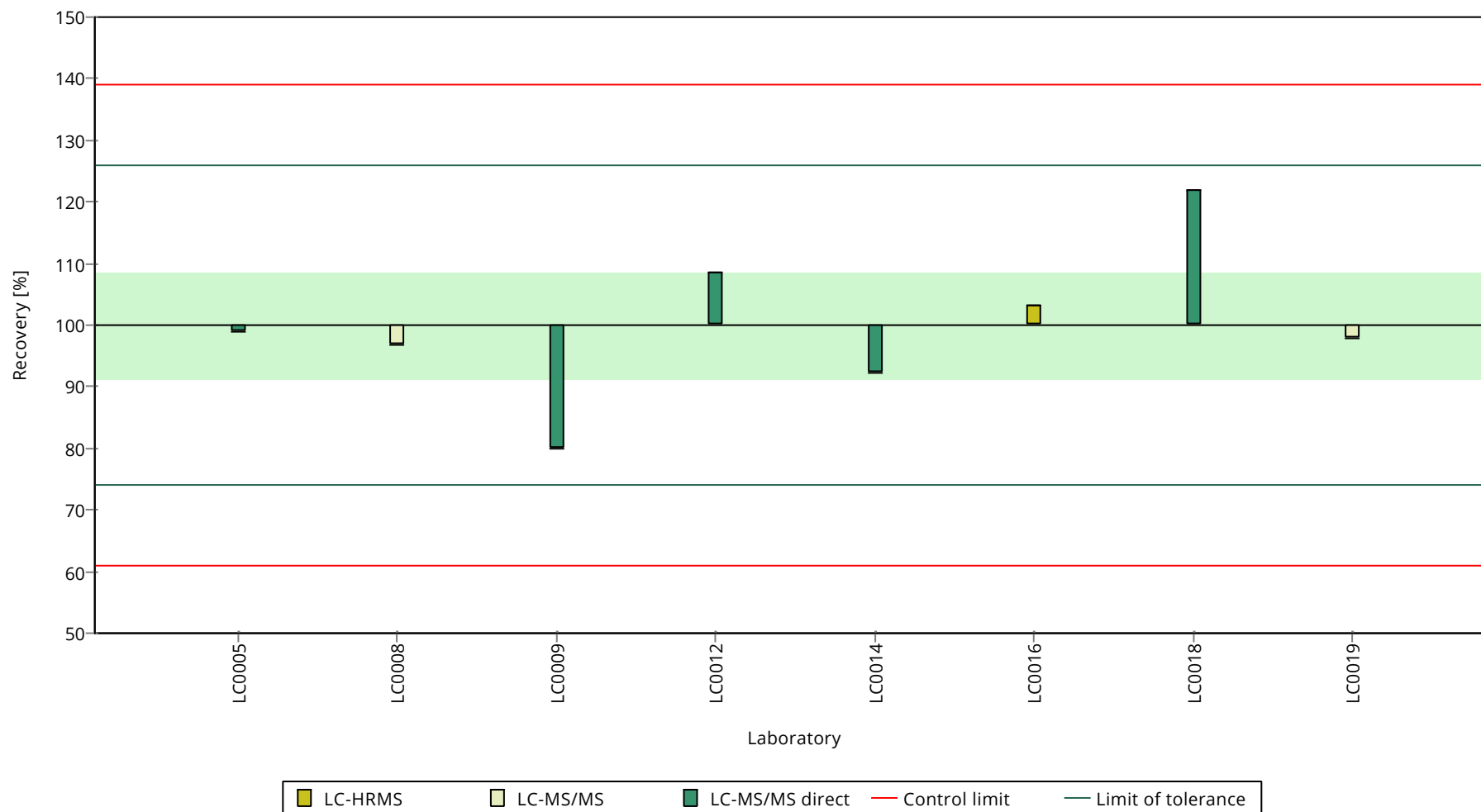
	all results	without outliers	Unit
Mean ± CI (99%)	0.398 ± 0.0515	0.398 ± 0.0515	µg/l
Minimum	0.319	0.319	µg/l
Maximum	0.486	0.486	µg/l
Standard deviation	0.0485	0.0485	µg/l
rel. standard deviation	12.2	12.2	%
n	8	8	-

Graphical presentation of results

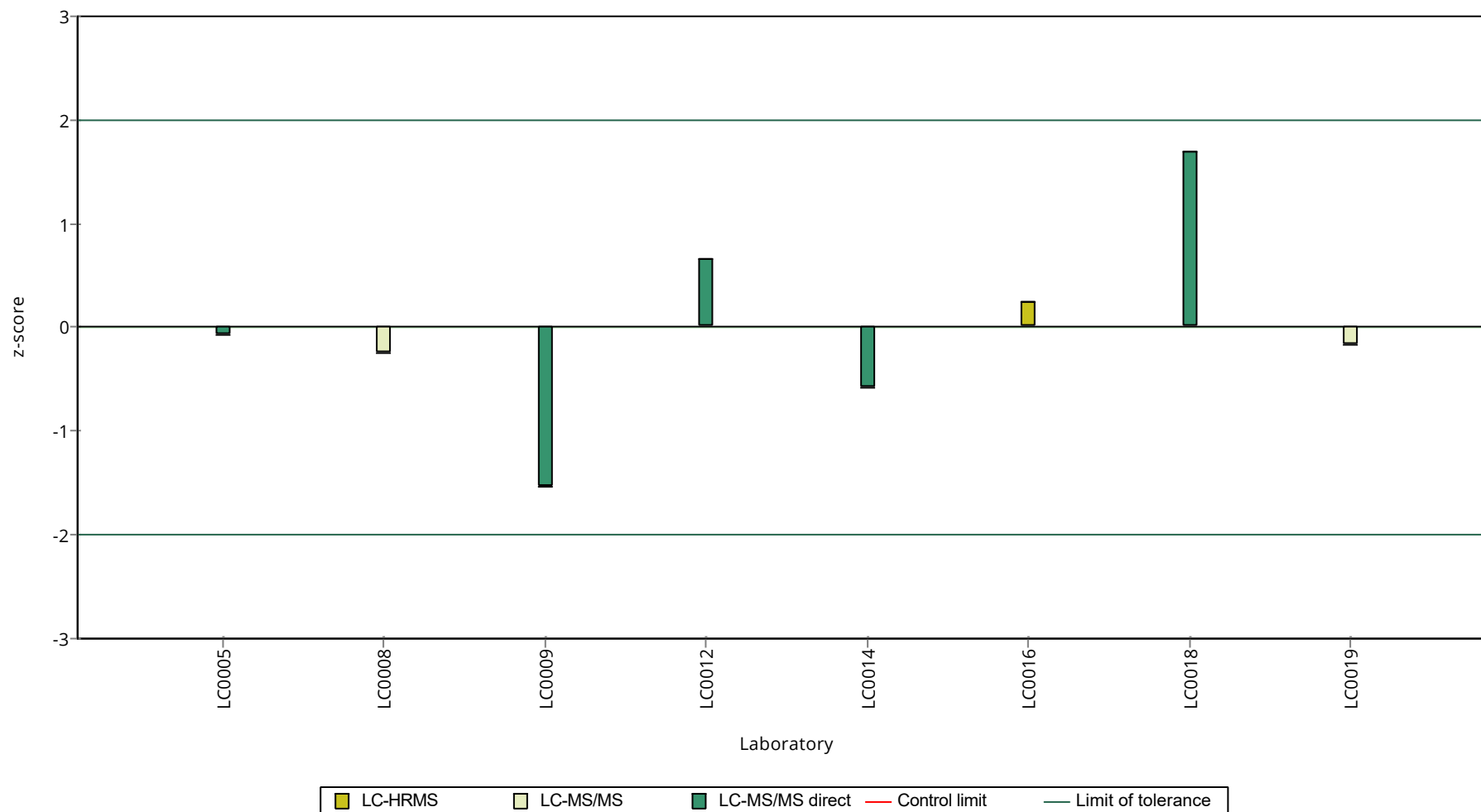
Results



Recovery rate



z-Score



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ13 Sample: AZ13B, Parameter: 4-Acetylaminoantipyrine

Parameter oriented report

AZ13 B

4-Acetylaminoantipyrine

Unit	µg/l
Assigned value ± U (k=2)	3.94 ± 0.481
Criterion	0.631 (16 %)
Minimum - Maximum	3.35 - 5.21
Control test value ± U (k=2)	4.40 ± 1.32

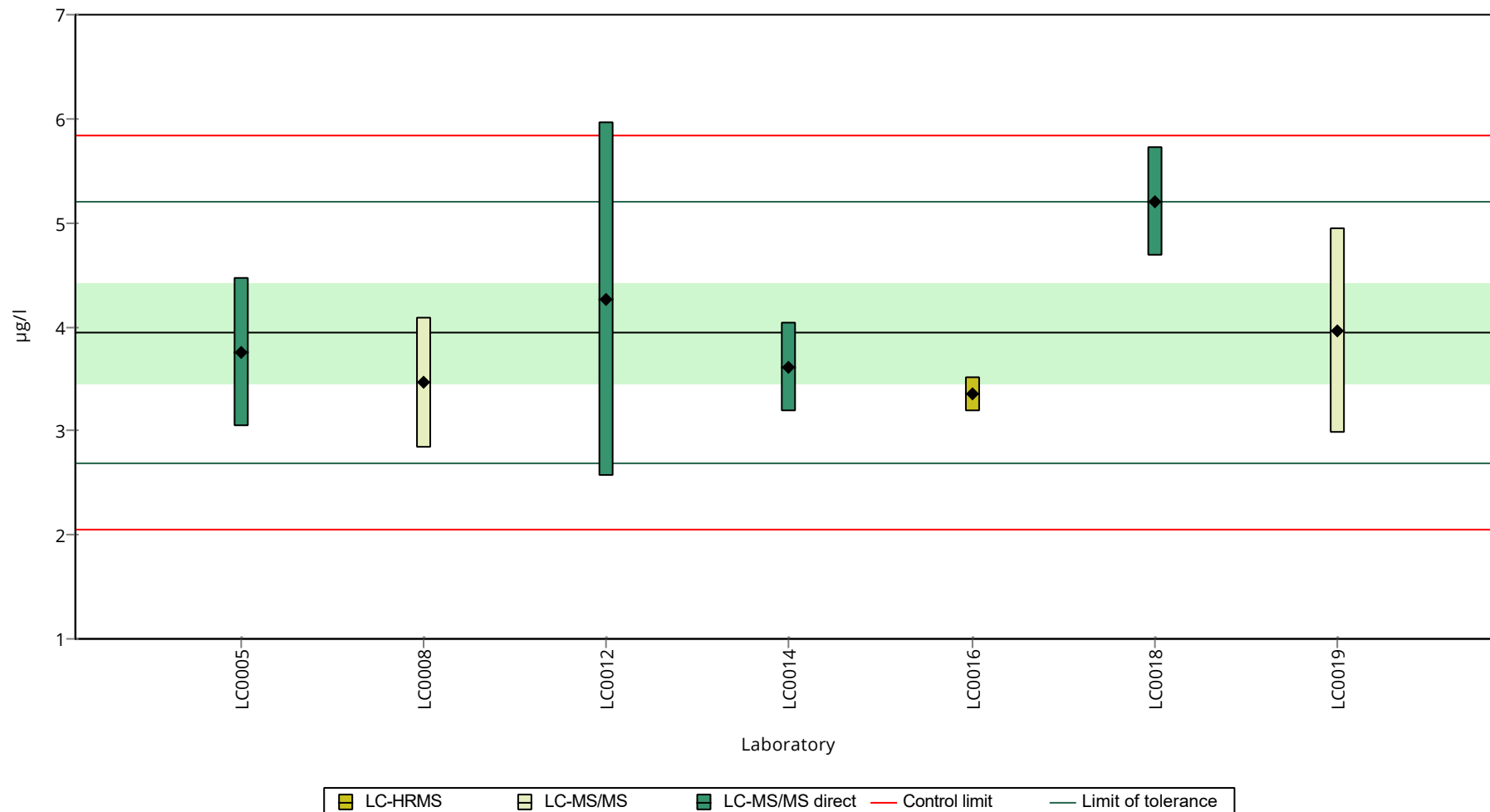
Labcode	Result ± U	Recovery [%]	z-Score	Comments
LC0001	- ± -	-	-	
LC0002	- ± -	-	-	
LC0004	- ± -	-	-	
LC0005	3.755 ± 0.7181	95.2	-0.3	
LC0006	- ± -	-	-	
LC0007	- ± -	-	-	
LC0008	3.46 ± 0.6228	87.8	-0.77	
LC0009	- ± -	-	-	
LC0010	- ± -	-	-	
LC0011	- ± -	-	-	
LC0012	4.261 ± 1.705	108	0.5	
LC0013	- ± -	-	-	
LC0014	3.61 ± 0.433	91.6	-0.53	
LC0015	- ± -	-	-	
LC0016	3.35 ± 0.165	85	-0.94	
LC0017	- ± -	-	-	
LC0018	5.205 ± 0.521	132	2	
LC0019	3.96 ± 0.99	100	0.03	
LC0020	- ± -	-	-	
LC0021	- ± -	-	-	

Characteristics of parameter

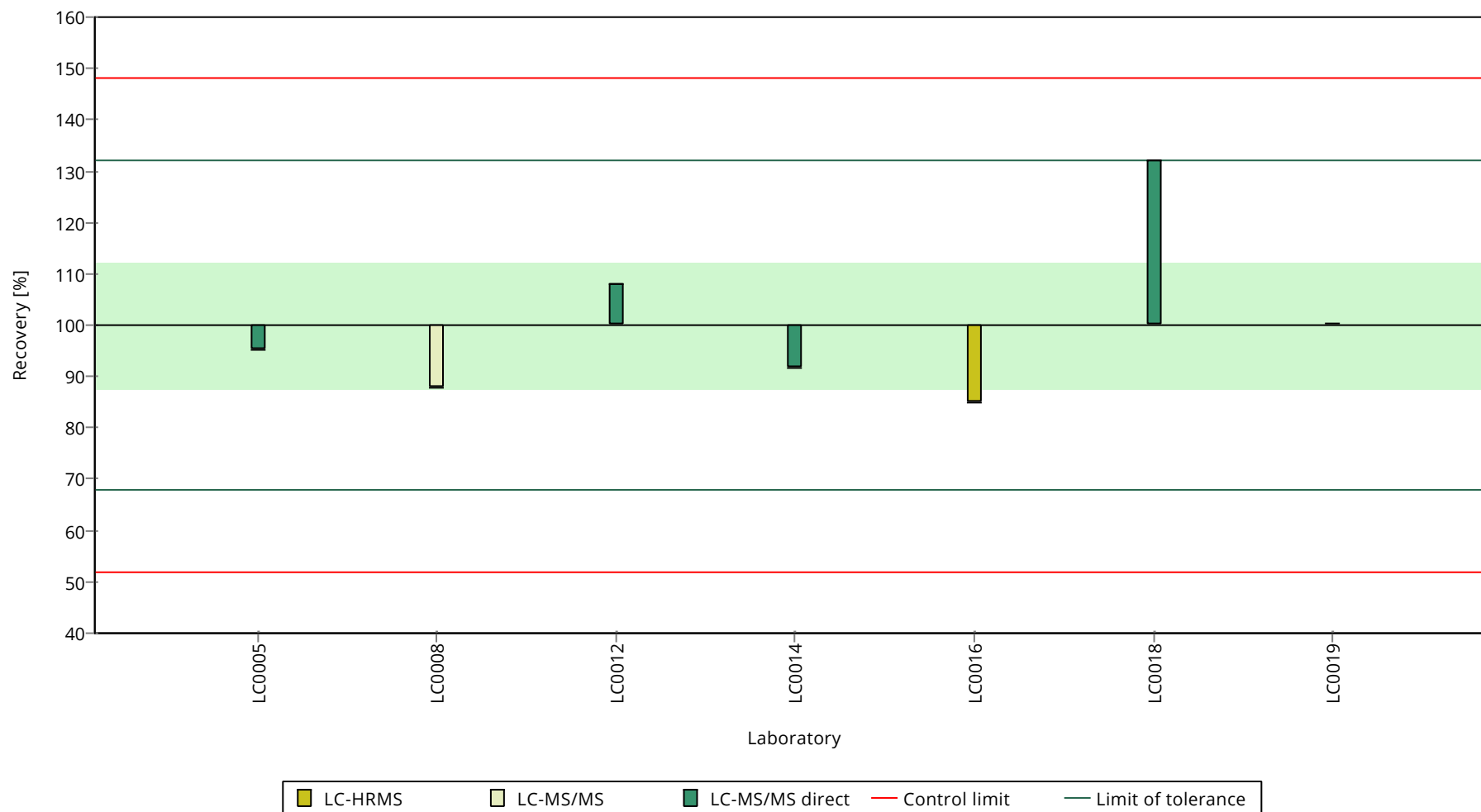
	all results	without outliers	Unit
Mean ± CI (99%)	3.94 ± 0.721	3.94 ± 0.721	µg/l
Minimum	3.35	3.35	µg/l
Maximum	5.21	5.21	µg/l
Standard deviation	0.636	0.636	µg/l
rel. standard deviation	16.1	16.1	%
n	7	7	-

Graphical presentation of results

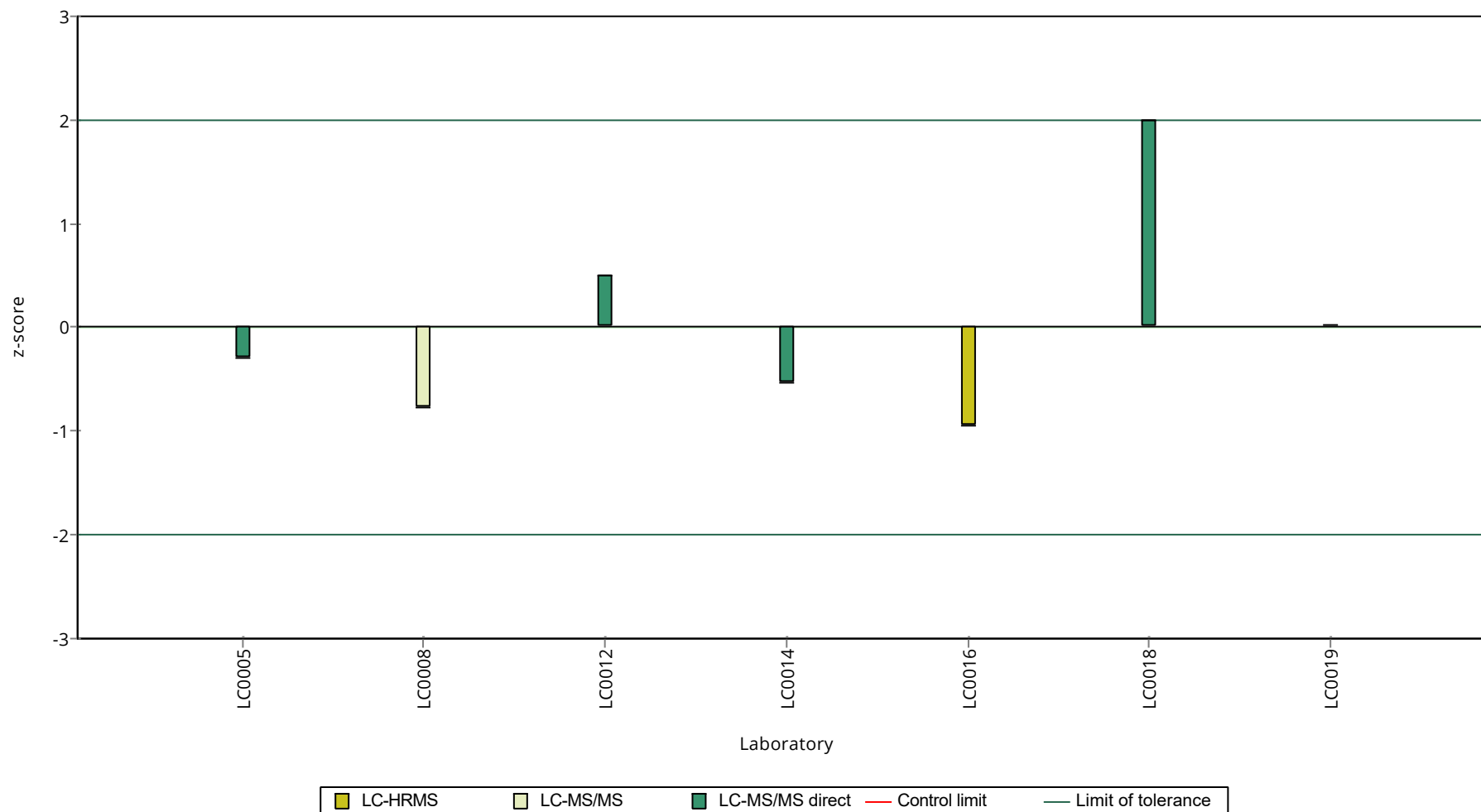
Results



Recovery rate



z-Score



Parameter oriented report

AZ13 A

4-Formylaminoantipyrine

Unit	µg/l
Assigned value ± U (k=2)	0.184 ± 0.0288
Criterion	0.0386 (21 %)
Minimum - Maximum	0.141 - 0.245
Control test value ± U (k=2)	0.231 ± 0.0578

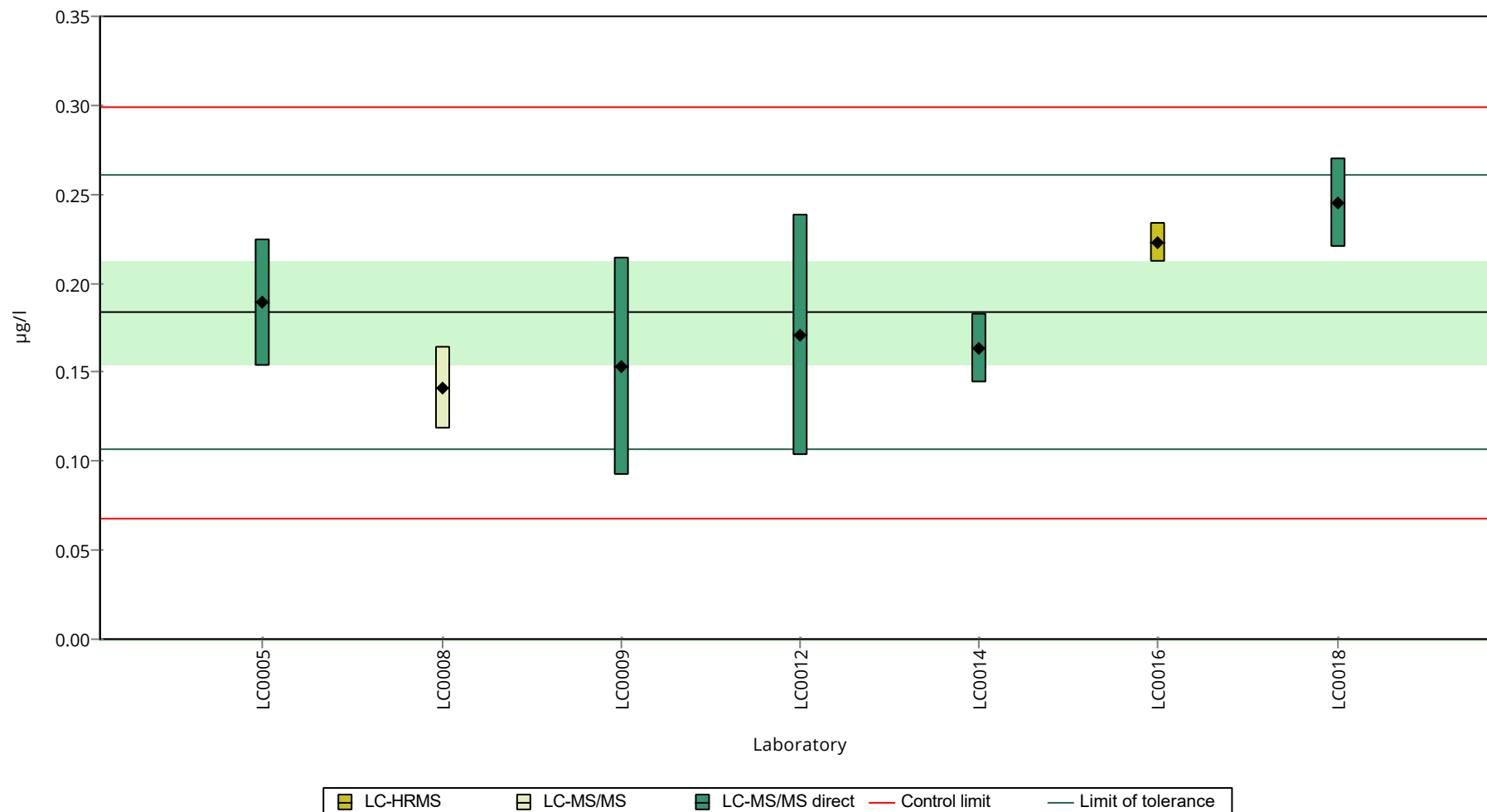
Labcode	Result ± U	Recovery [%]	z-Score	Comments
LC0001	- ± -	-	-	
LC0002	- ± -	-	-	
LC0004	- ± -	-	-	
LC0005	0.1892 ± 0.0358	103	0.14	
LC0006	- ± -	-	-	
LC0007	- ± -	-	-	
LC0008	0.141 ± 0.0233	76.8	-1.11	
LC0009	0.153 ± 0.0612	83.3	-0.79	
LC0010	- ± -	-	-	
LC0011	- ± -	-	-	
LC0012	0.171 ± 0.068	93.1	-0.33	
LC0013	- ± -	-	-	
LC0014	0.1632 ± 0.0196	88.9	-0.53	
LC0015	- ± -	-	-	
LC0016	0.223 ± 0.0113	121	1.02	
LC0017	- ± -	-	-	
LC0018	0.245 ± 0.025	133	1.59	
LC0019	- ± -	-	-	
LC0020	- ± -	-	-	
LC0021	- ± -	-	-	

Characteristics of parameter

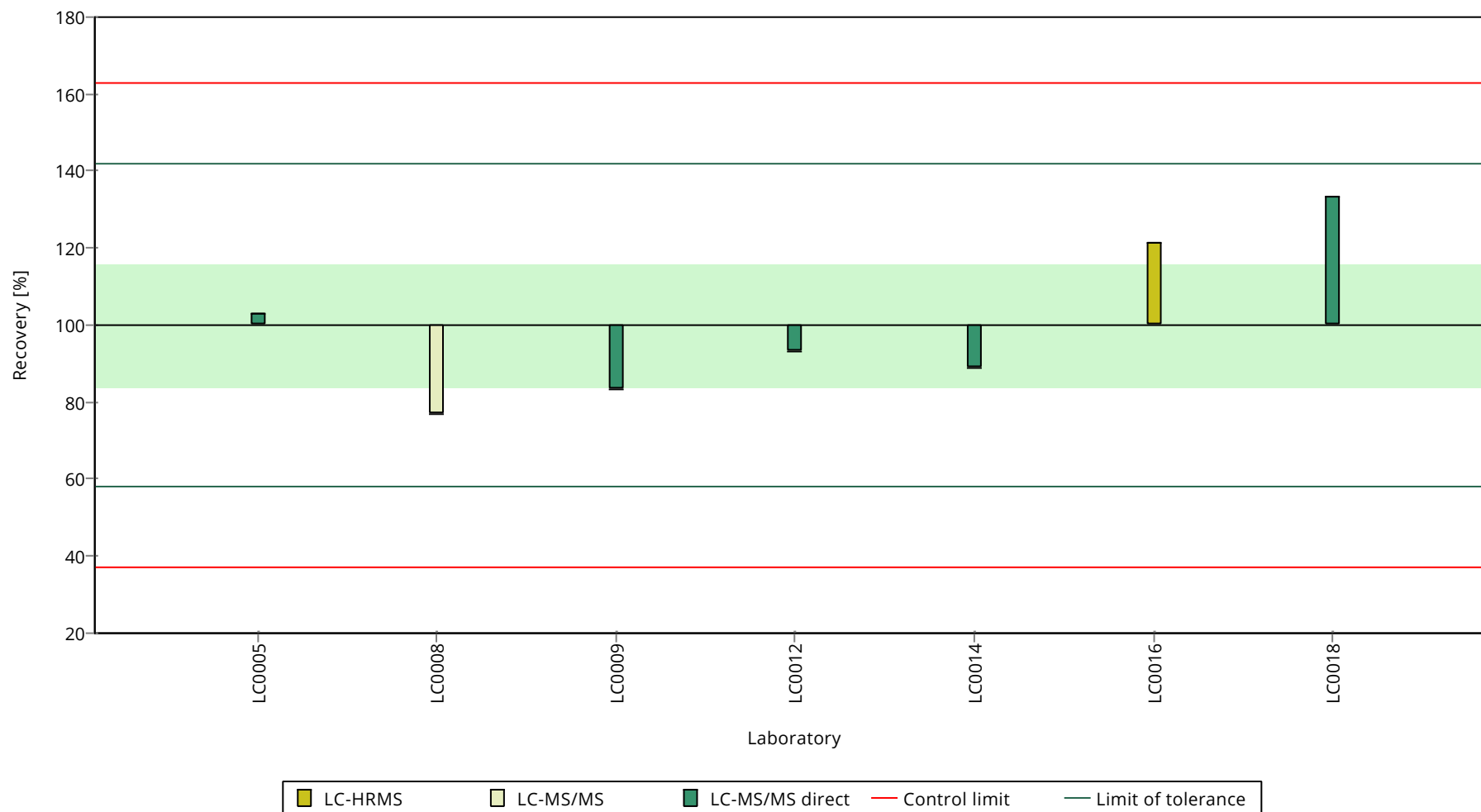
	all results	without outliers	Unit
Mean ± CI (99%)	0.184 ± 0.0431	0.184 ± 0.0431	µg/l
Minimum	0.141	0.141	µg/l
Maximum	0.245	0.245	µg/l
Standard deviation	0.038	0.038	µg/l
rel. standard deviation	20.7	20.7	%
n	7	7	-

Graphical presentation of results

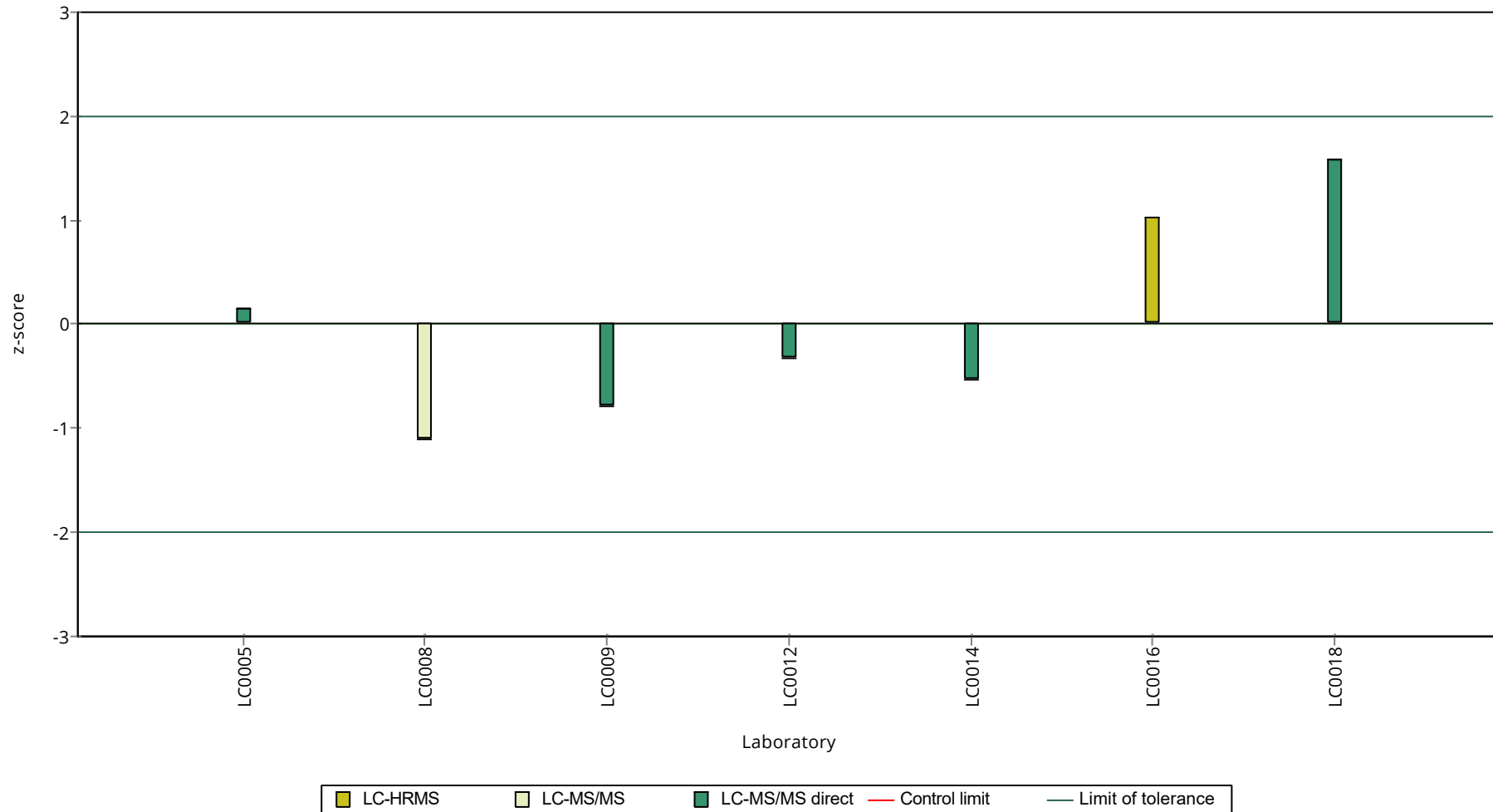
Results



Recovery rate



z-Score



Parameter oriented report

AZ13 B

4-Formylaminoantipyrine*

Unit $\mu\text{g/l}$
Assigned value $\pm U$ (k=2) -
Criterion -
Minimum - Maximum 5.56 - 7.35
Control test value $\pm U$ (k=2) 8.63 ± 2.16

* For this substance there are too few laboratory results available ($n < 6$), therefore the calculated mean value $MV \pm U(k=2)$ based on the data of the (accredited) laboratories (n) after outlier removal is given for information.
This can be used for comparison as part of your internal QA measures.
 MV (n=4, accr.) $\pm U(k=2)$: $6.49 \pm 0.66 \mu\text{g/l}$

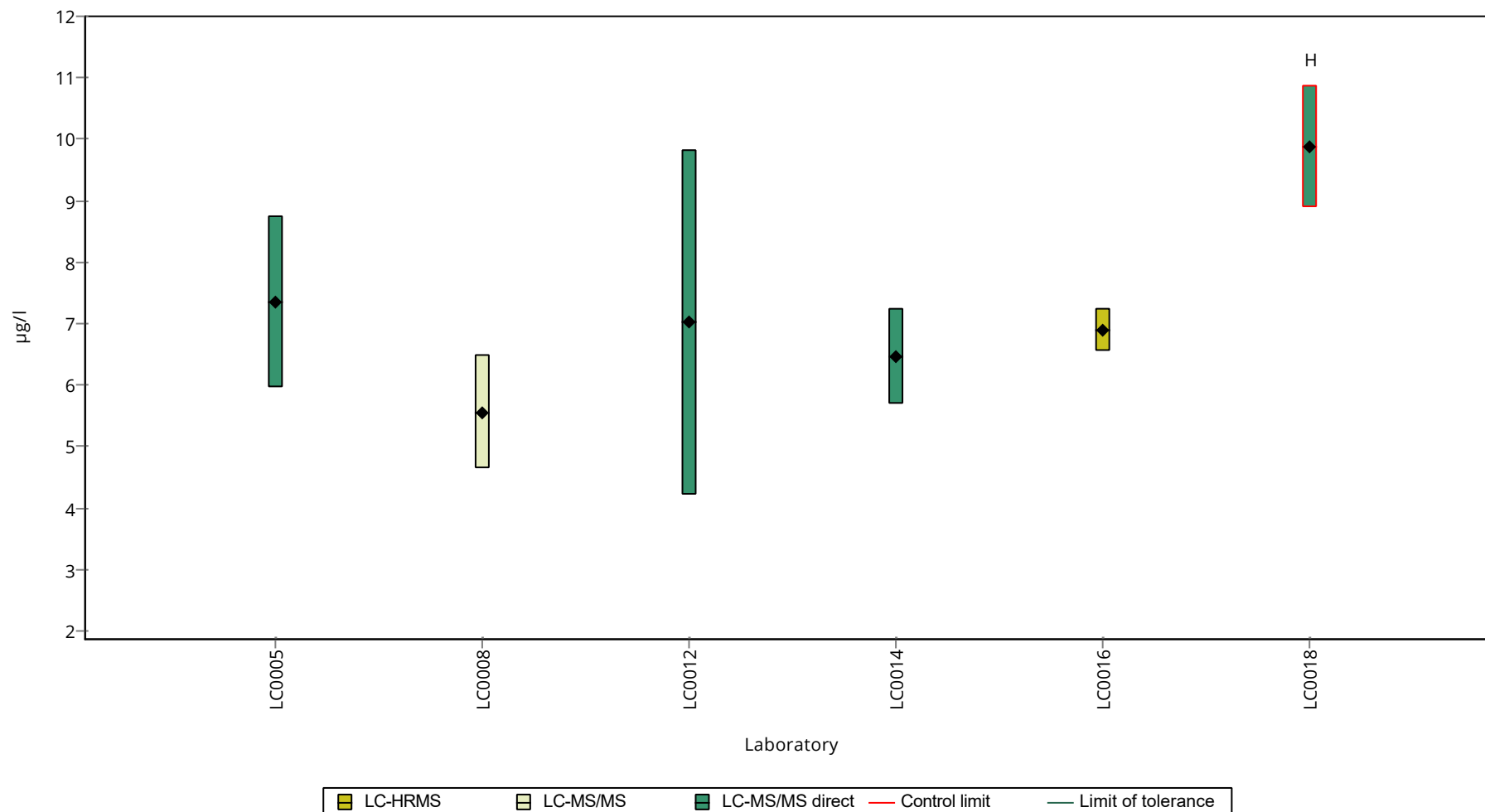
Labcode	Result $\pm U$	Recovery [%]	z-Score	Comments
LC0001	- \pm -	-	-	
LC0002	- \pm -	-	-	
LC0004	- \pm -	-	-	
LC0005	7.351 ± 1.391	-	-	
LC0006	- \pm -	-	-	
LC0007	- \pm -	-	-	
LC0008	5.56 ± 0.9174	-	-	
LC0009	- \pm -	-	-	
LC0010	- \pm -	-	-	
LC0011	- \pm -	-	-	
LC0012	7.022 ± 2.809	-	-	
LC0013	- \pm -	-	-	
LC0014	6.47 ± 0.777	-	-	
LC0015	- \pm -	-	-	
LC0016	6.89 ± 0.35	-	-	
LC0017	- \pm -	-	-	
LC0018	9.875 ± 0.988	-	-	H
LC0019	- \pm -	-	-	
LC0020	- \pm -	-	-	
LC0021	- \pm -	-	-	

Characteristics of parameter

	all results	without outliers	Unit
Mean \pm CI (99%)	7.19 ± 1.78	-	$\mu\text{g/l}$
Minimum	5.56	5.56	$\mu\text{g/l}$
Maximum	9.88	7.35	$\mu\text{g/l}$
Standard deviation	1.45	-	$\mu\text{g/l}$
rel. standard deviation	20.2	-	%
n	6	5	-

Graphical presentation of results

Results



Parameter oriented report

AZ13 A

10,11-Dihydro-10,11-Dihydroxycarbamazepine

Unit	µg/l
Assigned value ± U (k=2)	0.0947 ± 0.0157
Criterion	0.0189 (20 %)
Minimum - Maximum	0.082 - 0.133
Control test value ± U (k=2)	0.084 ± 0.0293

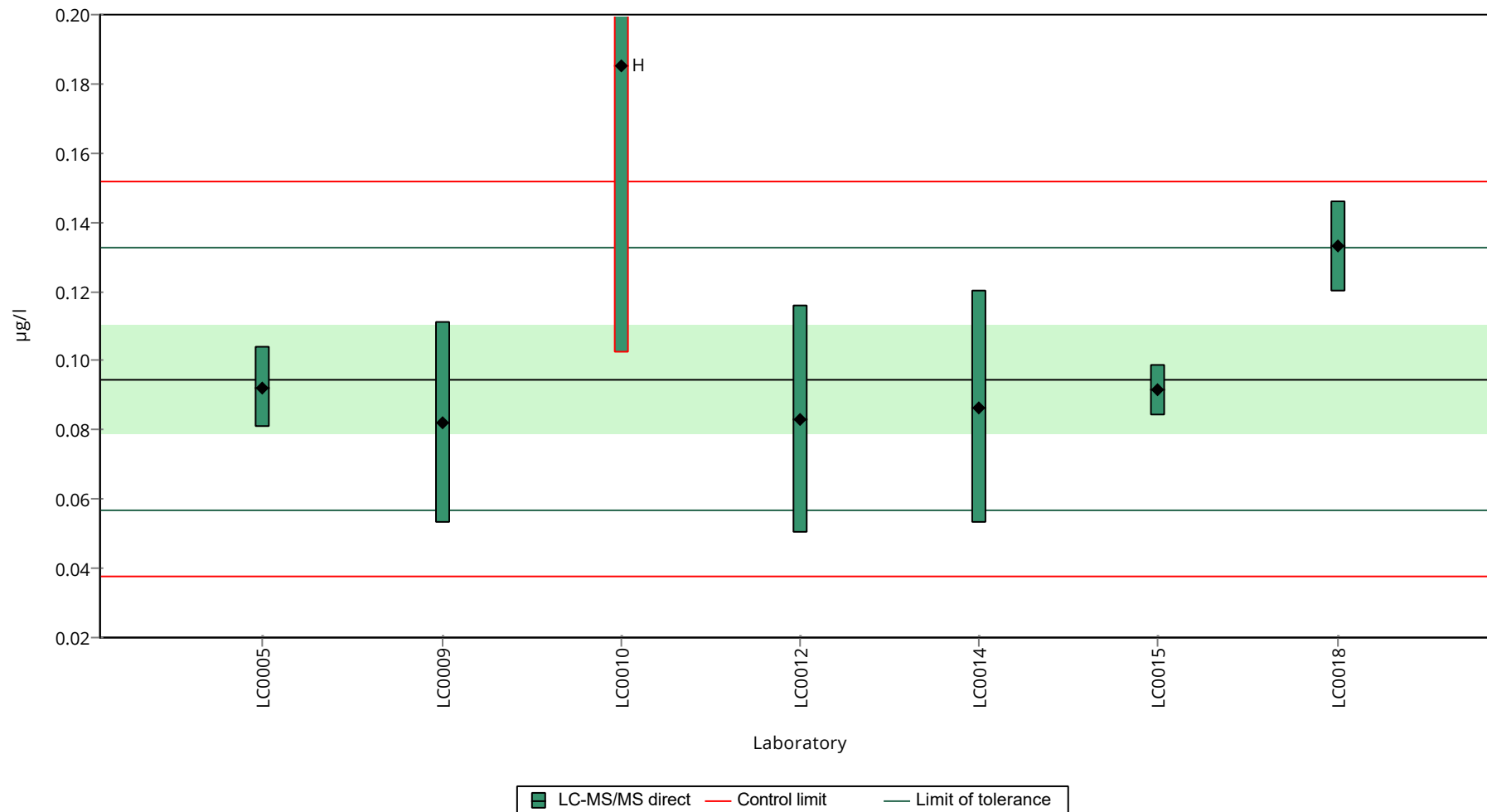
Labcode	Result ± U	Recovery [%]	z-Score	Comments
LC0001	- ± -	-	-	
LC0002	- ± -	-	-	
LC0004	- ± -	-	-	
LC0005	0.0922 ± 0.0117	97.3	-0.13	
LC0006	- ± -	-	-	
LC0007	- ± -	-	-	
LC0008	- ± -	-	-	
LC0009	0.082 ± 0.029	86.6	-0.67	
LC0010	0.185 ± 0.083	195	4.77	H
LC0011	- ± -	-	-	
LC0012	0.083 ± 0.033	87.6	-0.62	
LC0013	- ± -	-	-	
LC0014	0.0866 ± 0.0338	91.4	-0.43	
LC0015	0.0915 ± 0.0075	96.6	-0.17	
LC0016	- ± -	-	-	
LC0017	- ± -	-	-	
LC0018	0.133 ± 0.013	140	2.02	
LC0019	- ± -	-	-	
LC0020	- ± -	-	-	
LC0021	- ± -	-	-	

Characteristics of parameter

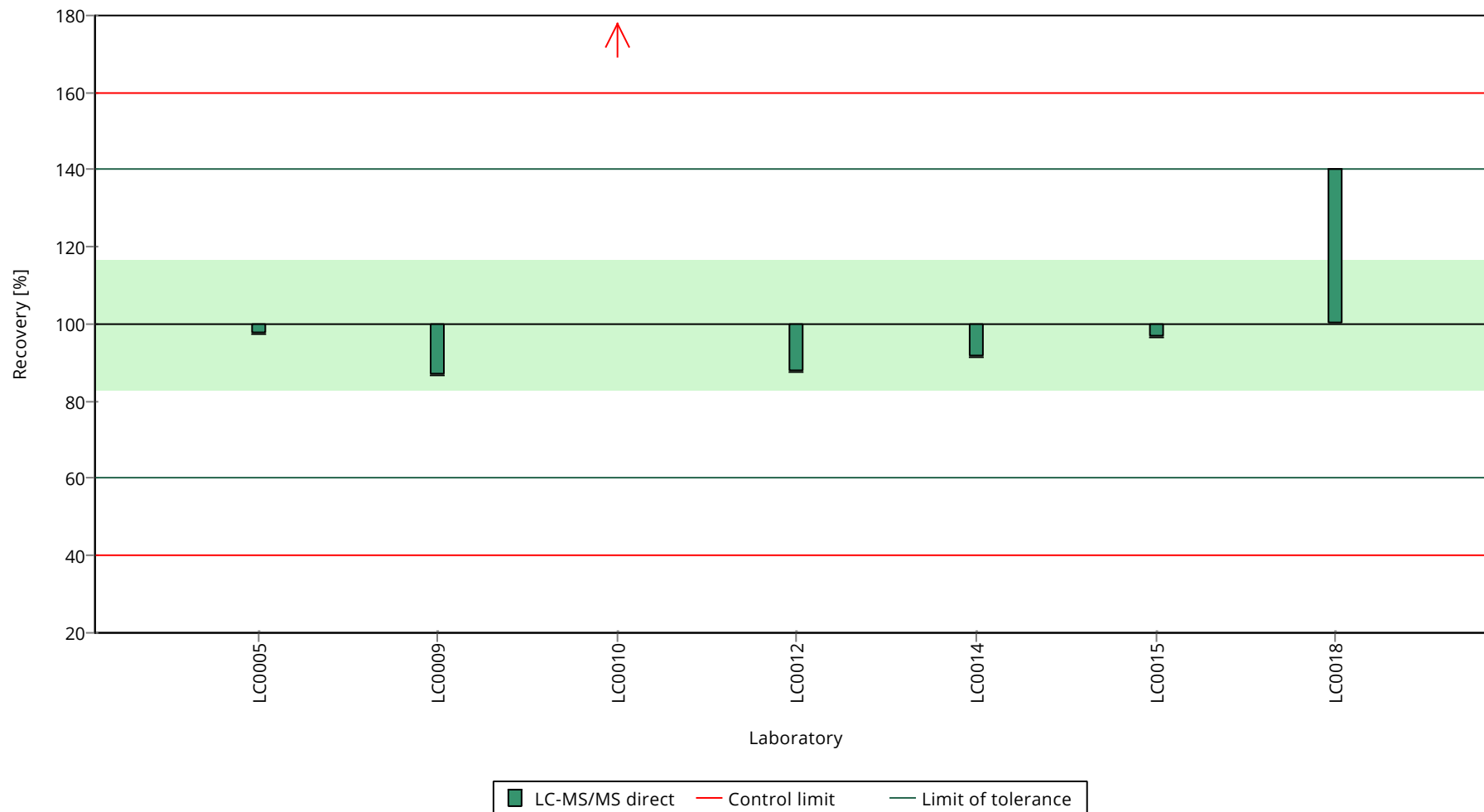
	all results	without outliers	Unit
Mean ± CI (99%)	0.108 ± 0.0435	0.0947 ± 0.0235	µg/l
Minimum	0.082	0.082	µg/l
Maximum	0.185	0.133	µg/l
Standard deviation	0.0384	0.0192	µg/l
rel. standard deviation	35.7	20.3	%
n	7	6	-

Graphical presentation of results

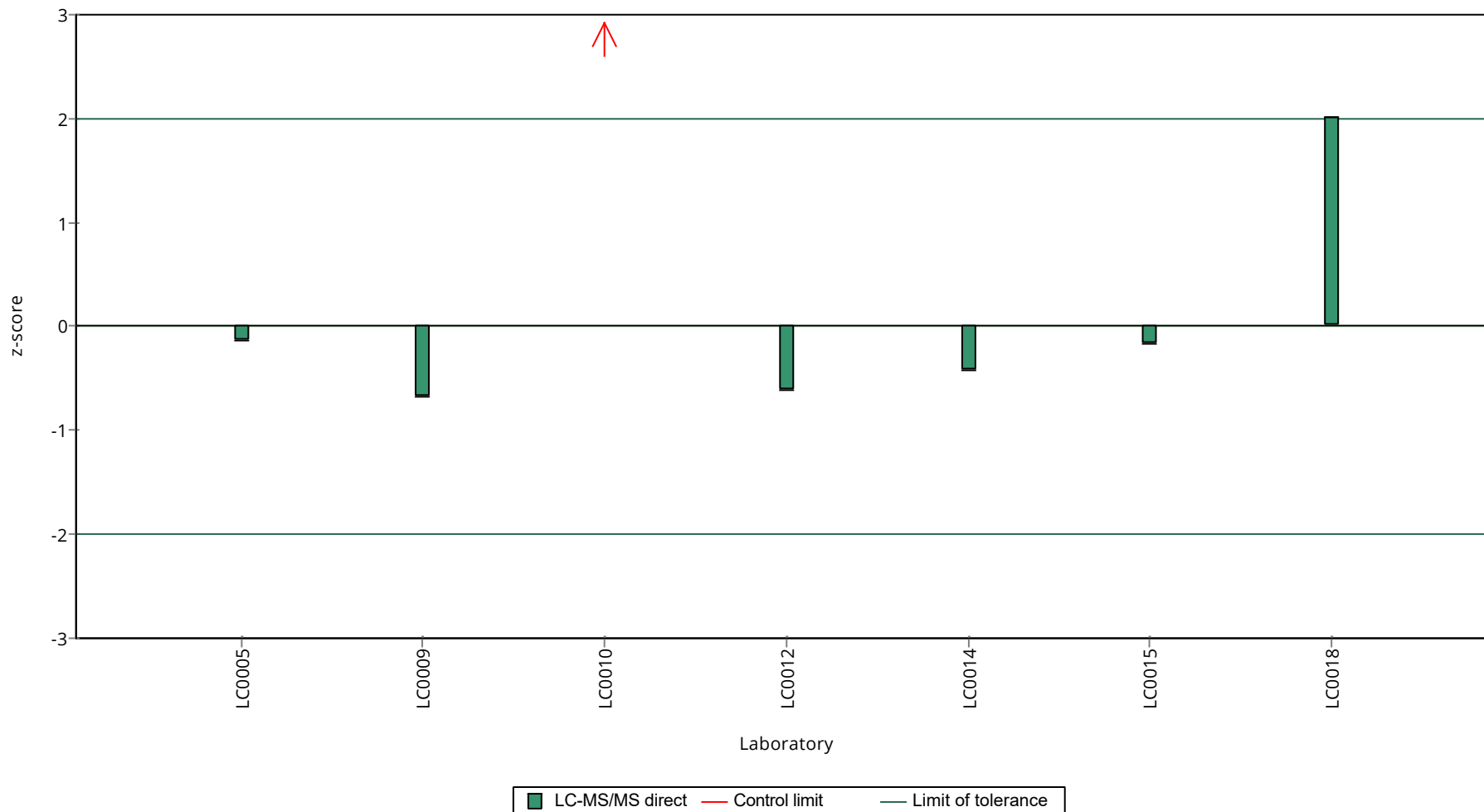
Results



Recovery rate



z-Score



Parameter oriented report

AZ13 B

10,11-Dihydro-10,11-Dihydroxycarbamazepine

Unit	µg/l
Assigned value ± U (k=2)	0.98 ± 0.188
Criterion	0.235 (24 %)
Minimum - Maximum	0.63 - 1.34
Control test value ± U (k=2)	0.912 ± 0.319

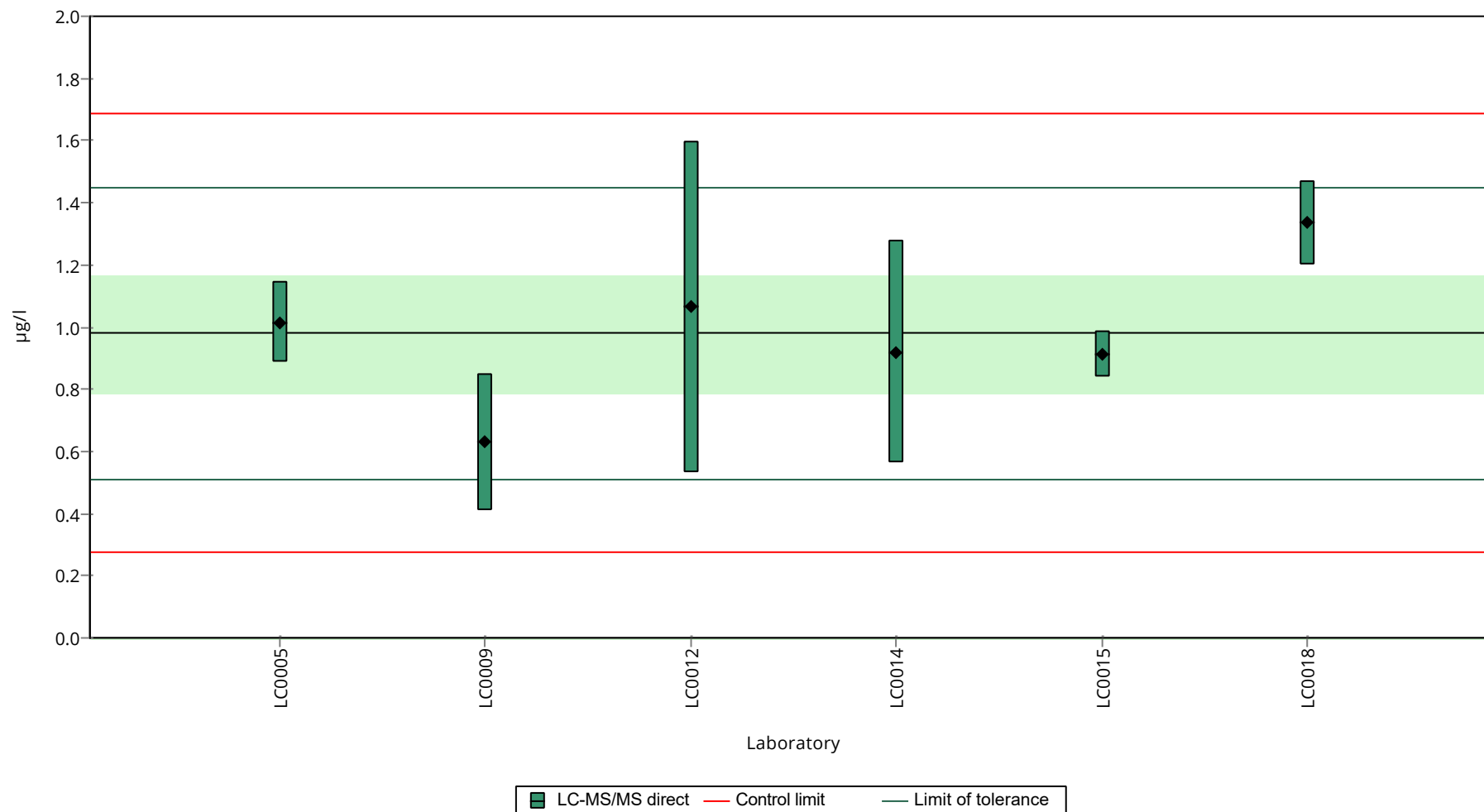
Labcode	Result ± U	Recovery [%]	z-Score	Comments
LC0001	- ± -	-	-	
LC0002	- ± -	-	-	
LC0004	- ± -	-	-	
LC0005	1.015 ± 0.129	104	0.15	
LC0006	- ± -	-	-	
LC0007	- ± -	-	-	
LC0008	- ± -	-	-	
LC0009	0.63 ± 0.221	64.3	-1.49	
LC0010	- ± -	-	-	
LC0011	- ± -	-	-	
LC0012	1.064 ± 0.532	109	0.36	
LC0013	- ± -	-	-	
LC0014	0.92 ± 0.359	93.9	-0.25	
LC0015	0.9135 ± 0.0749	93.3	-0.28	
LC0016	- ± -	-	-	
LC0017	- ± -	-	-	
LC0018	1.335 ± 0.134	136	1.51	
LC0019	- ± -	-	-	
LC0020	- ± -	-	-	
LC0021	- ± -	-	-	

Characteristics of parameter

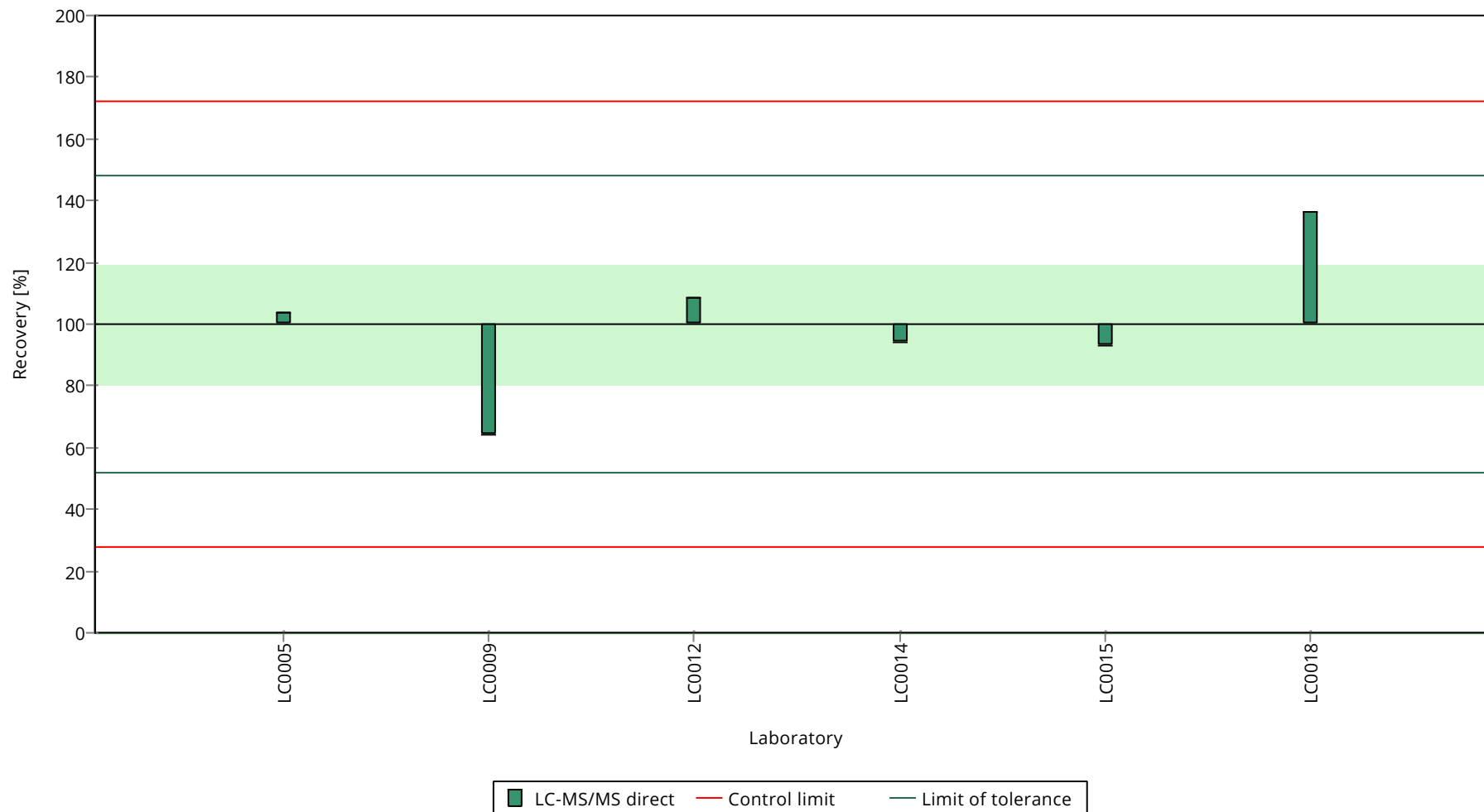
	all results	without outliers	Unit
Mean ± CI (99%)	0.98 ± 0.282	0.98 ± 0.282	µg/l
Minimum	0.63	0.63	µg/l
Maximum	1.34	1.34	µg/l
Standard deviation	0.23	0.23	µg/l
rel. standard deviation	23.5	23.5	%
n	6	6	-

Graphical presentation of results

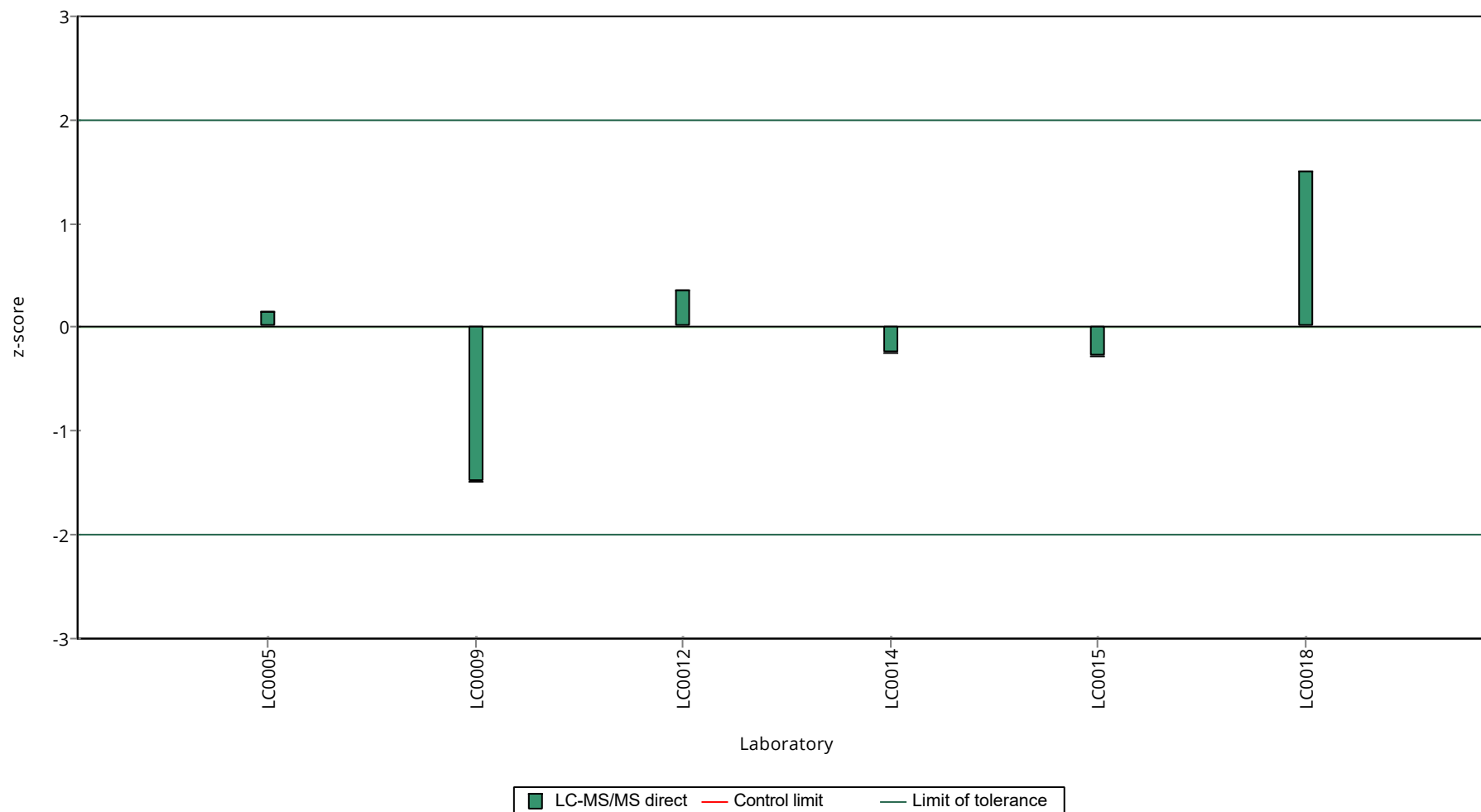
Results



Recovery rate



z-Score



Parameter oriented report

AZ13 A

Acesulfame

Unit	µg/l
Assigned value ± U (k=2)	0.317 ± 0.0186
Criterion	0.0539 (17 %)
Minimum - Maximum	0.231 - 0.384
Control test value ± U (k=2)	0.377 ± 0.151

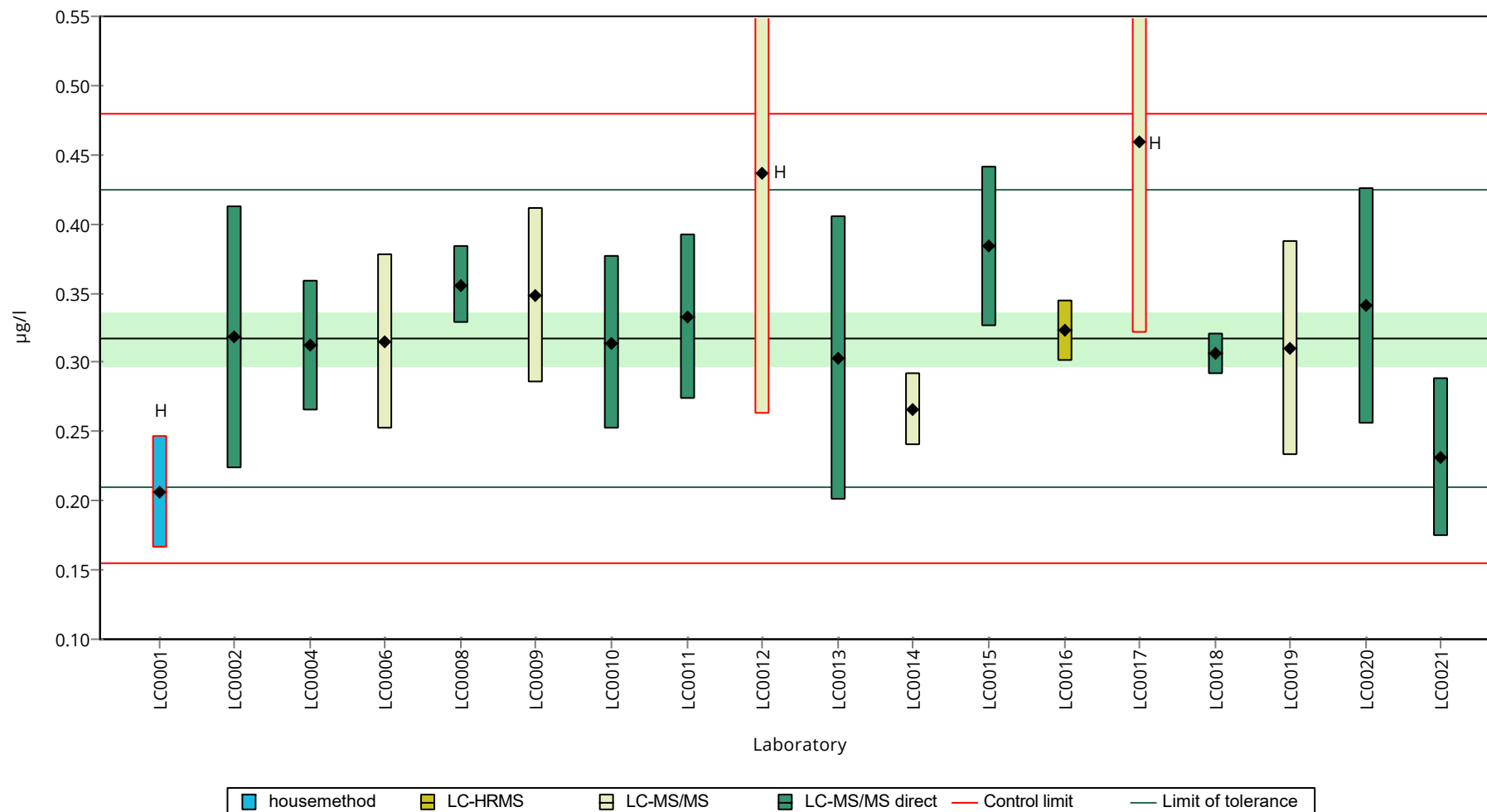
Labcode	Result ± U	Recovery [%]	z-Score	Comments
LC0001	0.2064 ± 0.0403	65.1	-2.06	H
LC0002	0.318 ± 0.095	100	0.01	
LC0004	0.312 ± 0.047	98.3	-0.1	
LC0005	- ± -	-	-	
LC0006	0.315 ± 0.063	99.3	-0.04	
LC0007	- ± -	-	-	
LC0008	0.356 ± 0.0285	112	0.72	
LC0009	0.348 ± 0.063	110	0.57	
LC0010	0.314 ± 0.063	99	-0.06	
LC0011	0.333 ± 0.06	105	0.29	
LC0012	0.437 ± 0.175	138	2.22	H
LC0013	0.3028 ± 0.103	95.4	-0.27	
LC0014	0.266 ± 0.0266	83.8	-0.95	
LC0015	0.3835 ± 0.0583	121	1.23	
LC0016	0.323 ± 0.0222	102	0.11	
LC0017	0.459 ± 0.138	145	2.63	H
LC0018	0.306 ± 0.015	96.4	-0.21	
LC0019	0.31 ± 0.0775	97.7	-0.14	
LC0020	0.341 ± 0.0853	107	0.44	
LC0021	0.231 ± 0.0574	72.8	-1.6	

Characteristics of parameter

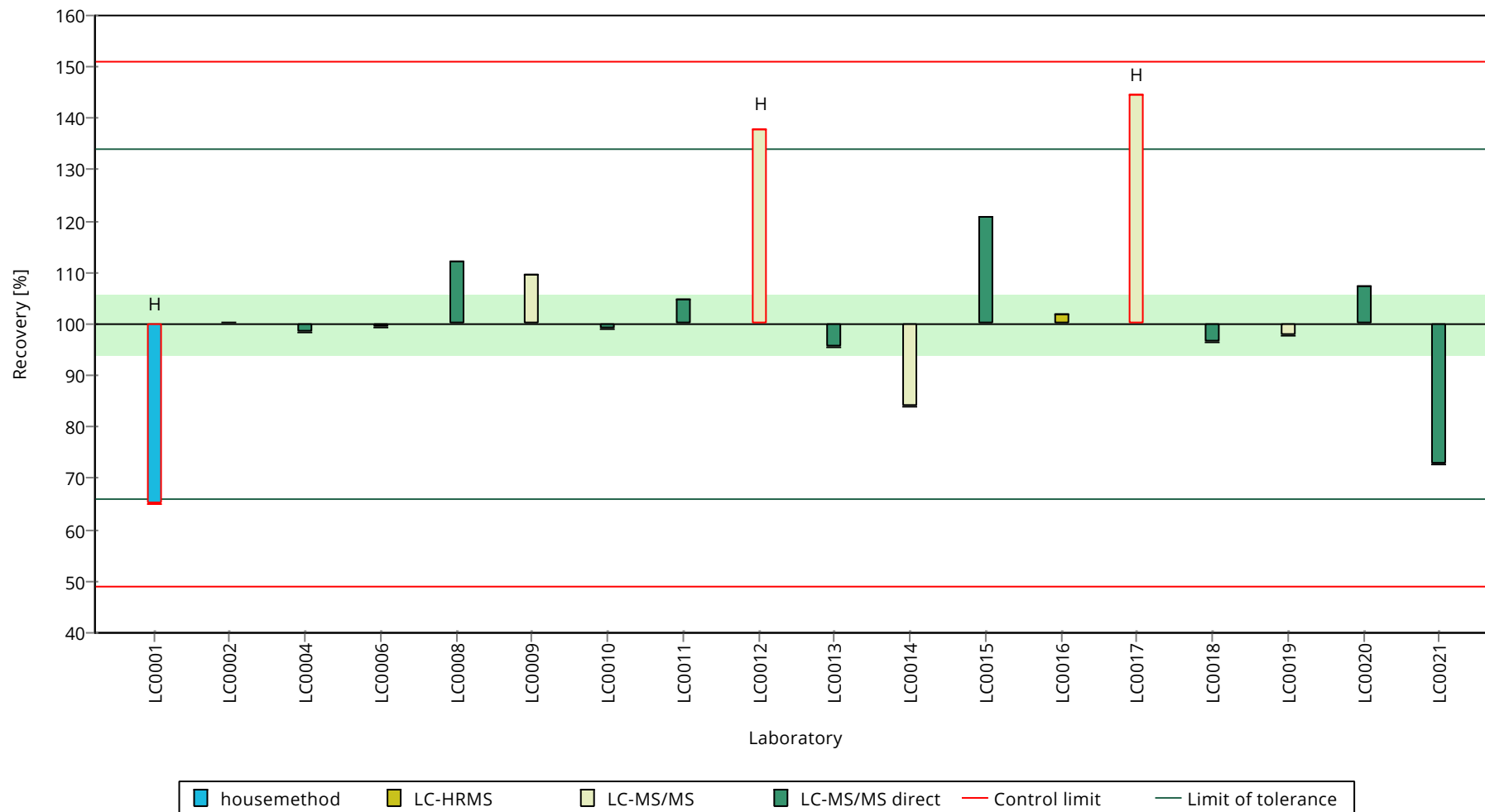
	all results	without outliers	Unit
Mean ± CI (99%)	0.326 ± 0.0433	0.317 ± 0.0279	µg/l
Minimum	0.206	0.231	µg/l
Maximum	0.459	0.384	µg/l
Standard deviation	0.0612	0.036	µg/l
rel. standard deviation	18.8	11.4	%
n	18	15	-

Graphical presentation of results

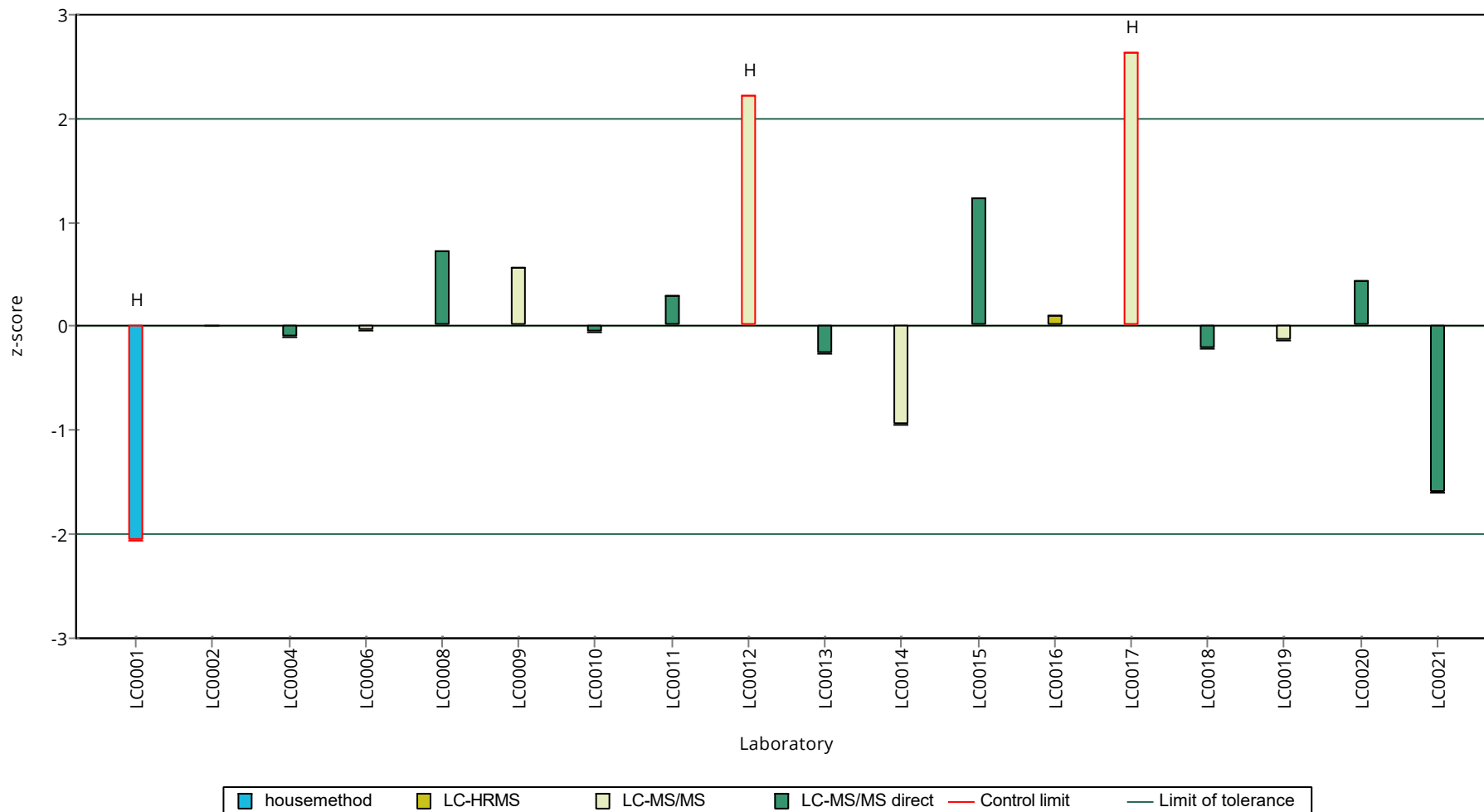
Results



Recovery rate



z-Score



Parameter oriented report

AZ13 B

Acesulfame

Unit	µg/l
Assigned value ± U (k=2)	0.735 ± 0.0494
Criterion	0.125 (17 %)
Minimum - Maximum	0.529 - 0.835
Control test value ± U (k=2)	0.927 ± 0.371

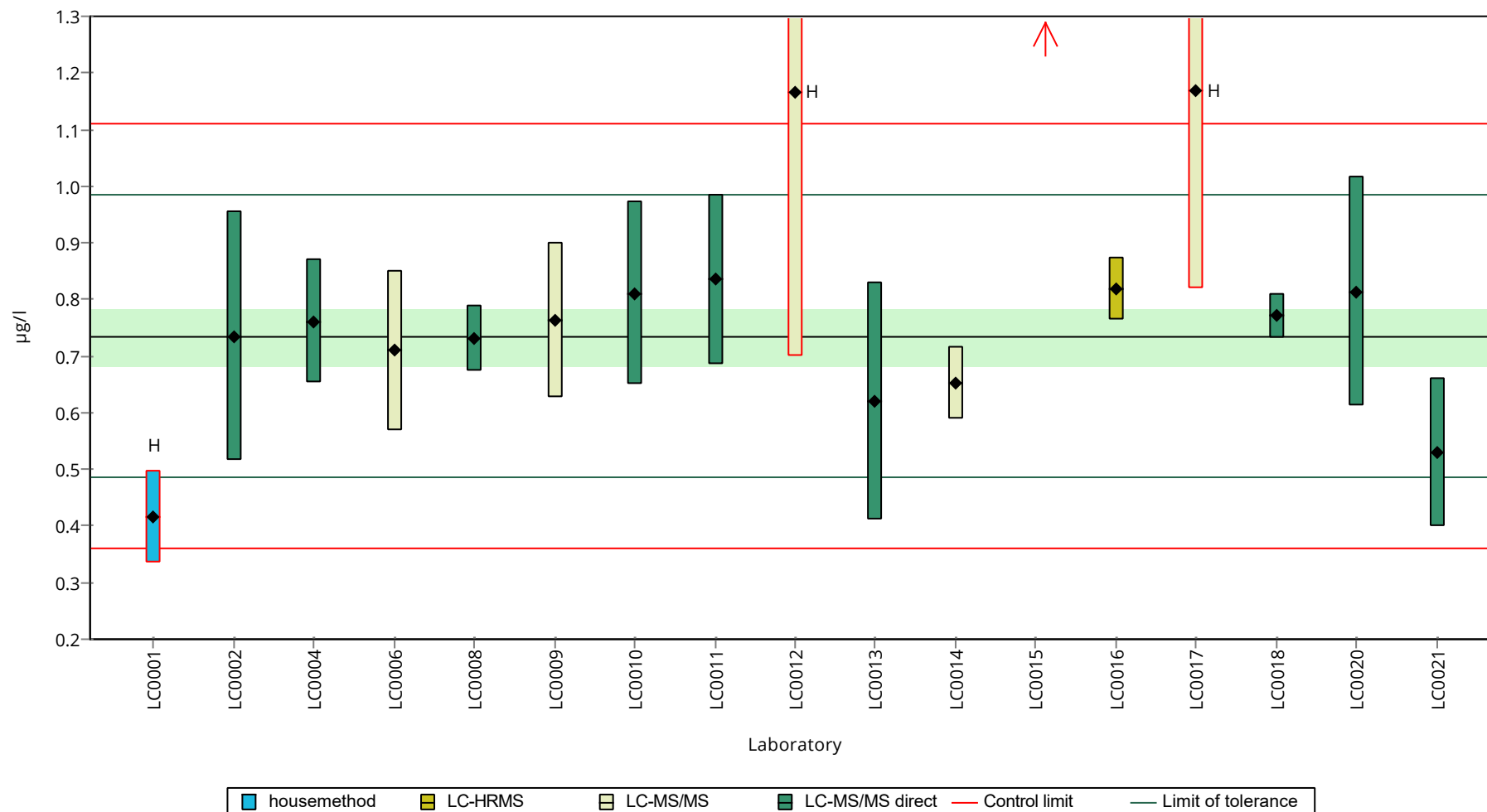
Labcode	Result ± U	Recovery [%]	z-Score	Comments
LC0001	0.4157 ± 0.0812	56.6	-2.55	H
LC0002	0.735 ± 0.22	100	0.00	
LC0004	0.761 ± 0.11	104	0.21	
LC0005	- ± -	-	-	
LC0006	0.71 ± 0.142	96.7	-0.2	
LC0007	- ± -	-	-	
LC0008	0.73 ± 0.0584	99.4	-0.04	
LC0009	0.763 ± 0.137	104	0.23	
LC0010	0.811 ± 0.162	110	0.61	
LC0011	0.835 ± 0.15	114	0.8	
LC0012	1.165 ± 0.466	159	3.45	H
LC0013	0.6189 ± 0.21	84.3	-0.93	
LC0014	0.652 ± 0.0652	88.8	-0.66	
LC0015	1.299 ± 0.1974	177	4.52	H
LC0016	0.819 ± 0.0564	111	0.68	
LC0017	1.17 ± 0.35	159	3.49	H
LC0018	0.771 ± 0.039	105	0.29	
LC0019	- ± -	-	-	
LC0020	0.814 ± 0.204	111	0.64	
LC0021	0.529 ± 0.131	72	-1.65	

Characteristics of parameter

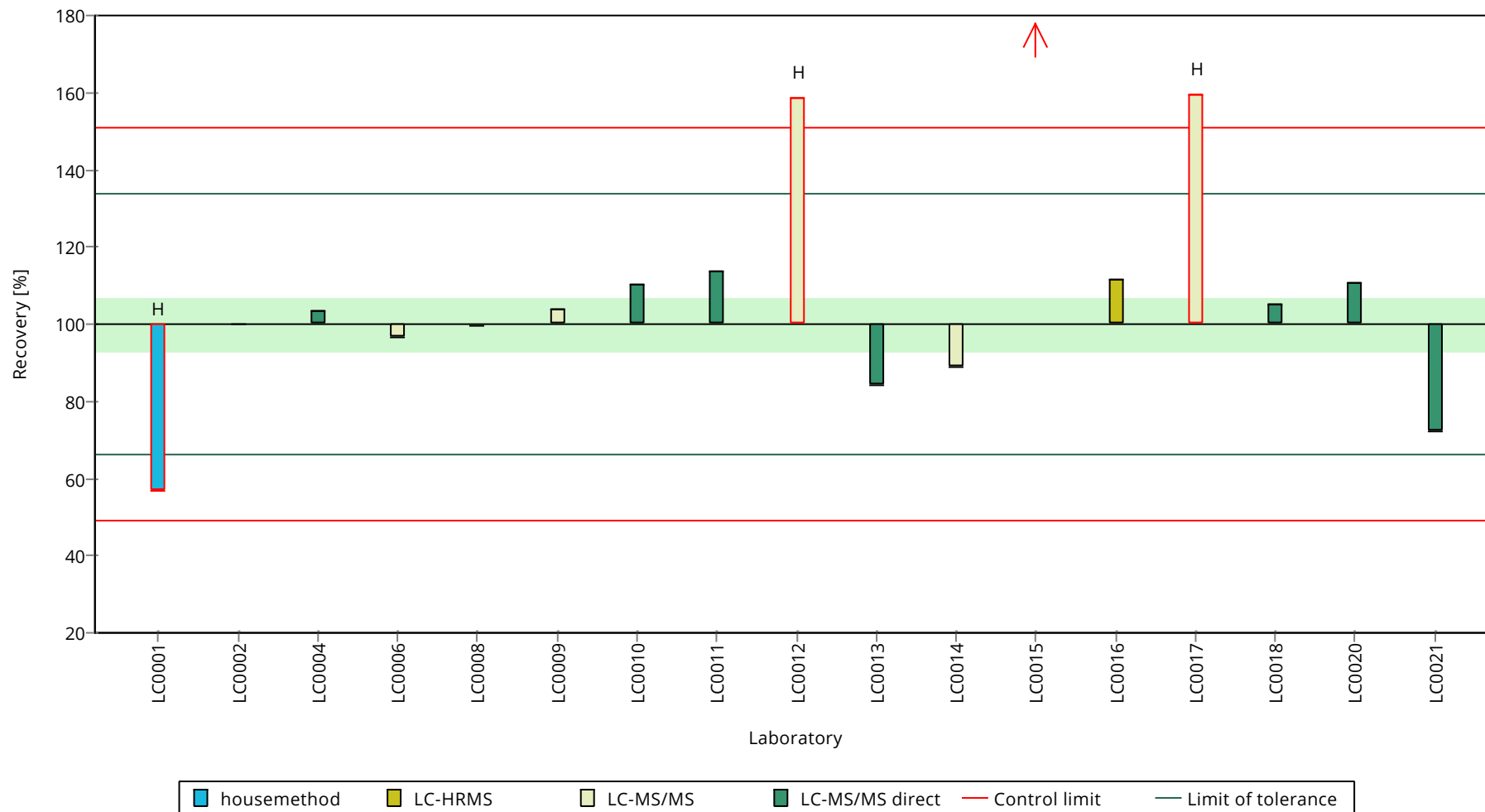
	all results	without outliers	Unit
Mean ± CI (99%)	0.8 ± 0.164	0.735 ± 0.0741	µg/l
Minimum	0.416	0.529	µg/l
Maximum	1.3	0.835	µg/l
Standard deviation	0.226	0.0891	µg/l
rel. standard deviation	28.3	12.1	%
n	17	13	-

Graphical presentation of results

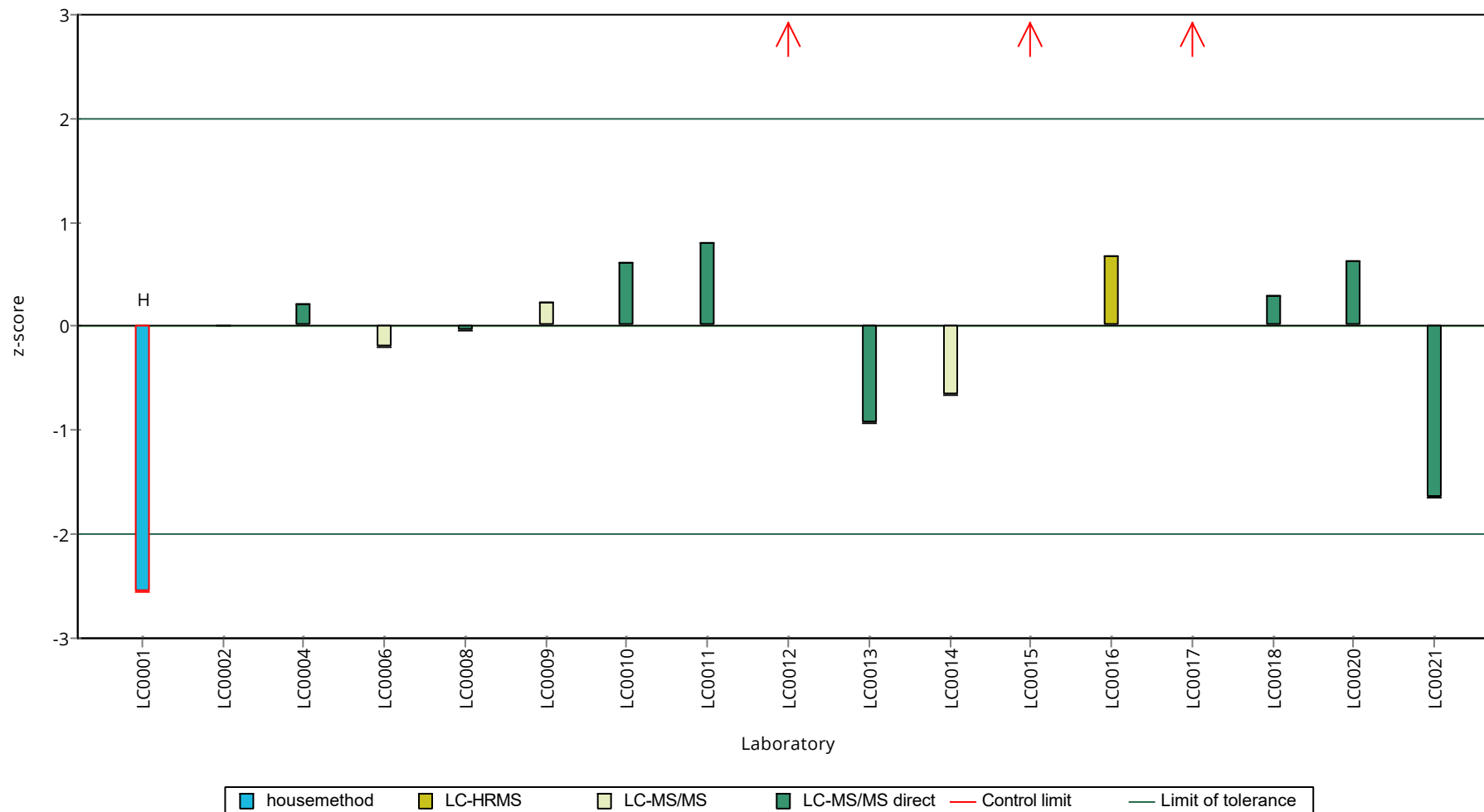
Results



Recovery rate



z-Score



Parameter oriented report

AZ13 A

Amidotrizoic acid

Unit	µg/l
Assigned value ± U (k=2)	0.22 ± 0.0192
Criterion	0.044 (20 %)
Minimum - Maximum	0.135 - 0.292
Control test value ± U (k=2)	0.300 ± 0.15

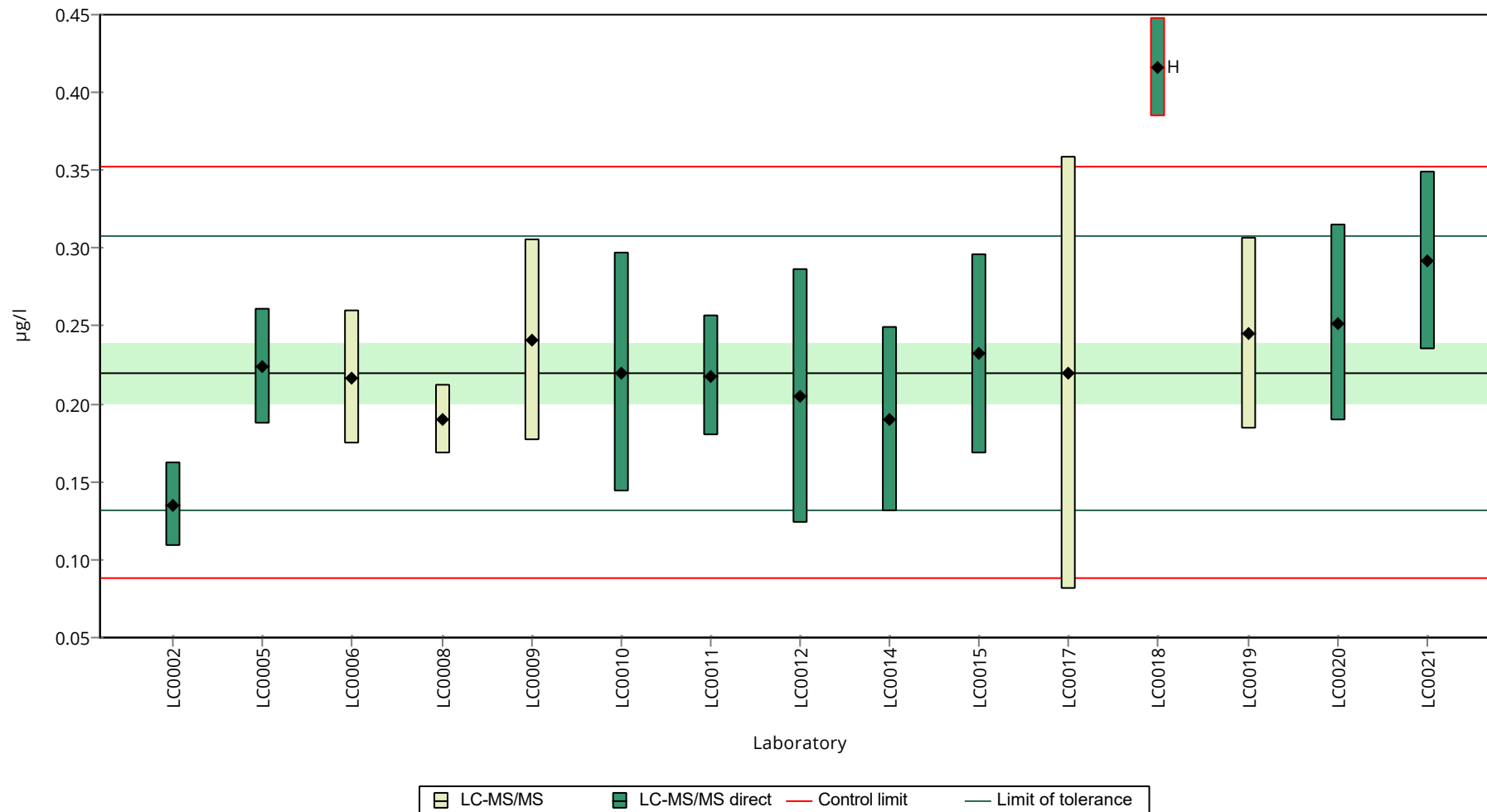
Labcode	Result ± U	Recovery [%]	z-Score	Comments
LC0001	- ± -	-	-	
LC0002	0.135 ± 0.027	61.3	-1.93	
LC0004	- ± -	-	-	
LC0005	0.2244 ± 0.0371	102	0.1	
LC0006	0.217 ± 0.043	98.6	-0.07	
LC0007	- ± -	-	-	
LC0008	0.19 ± 0.0219	86.3	-0.68	
LC0009	0.241 ± 0.065	109	0.47	
LC0010	0.22 ± 0.077	100	0.00	
LC0011	0.218 ± 0.039	99	-0.05	
LC0012	0.205 ± 0.082	93.1	-0.34	
LC0013	- ± -	-	-	
LC0014	0.19 ± 0.059	86.3	-0.68	
LC0015	0.232 ± 0.0643	105	0.27	
LC0016	- ± -	-	-	
LC0017	0.22 ± 0.139	100	0.00	
LC0018	0.416 ± 0.032	189	4.45	H
LC0019	0.245 ± 0.06125	111	0.57	
LC0020	0.252 ± 0.063	114	0.72	
LC0021	0.292 ± 0.0577	133	1.63	

Characteristics of parameter

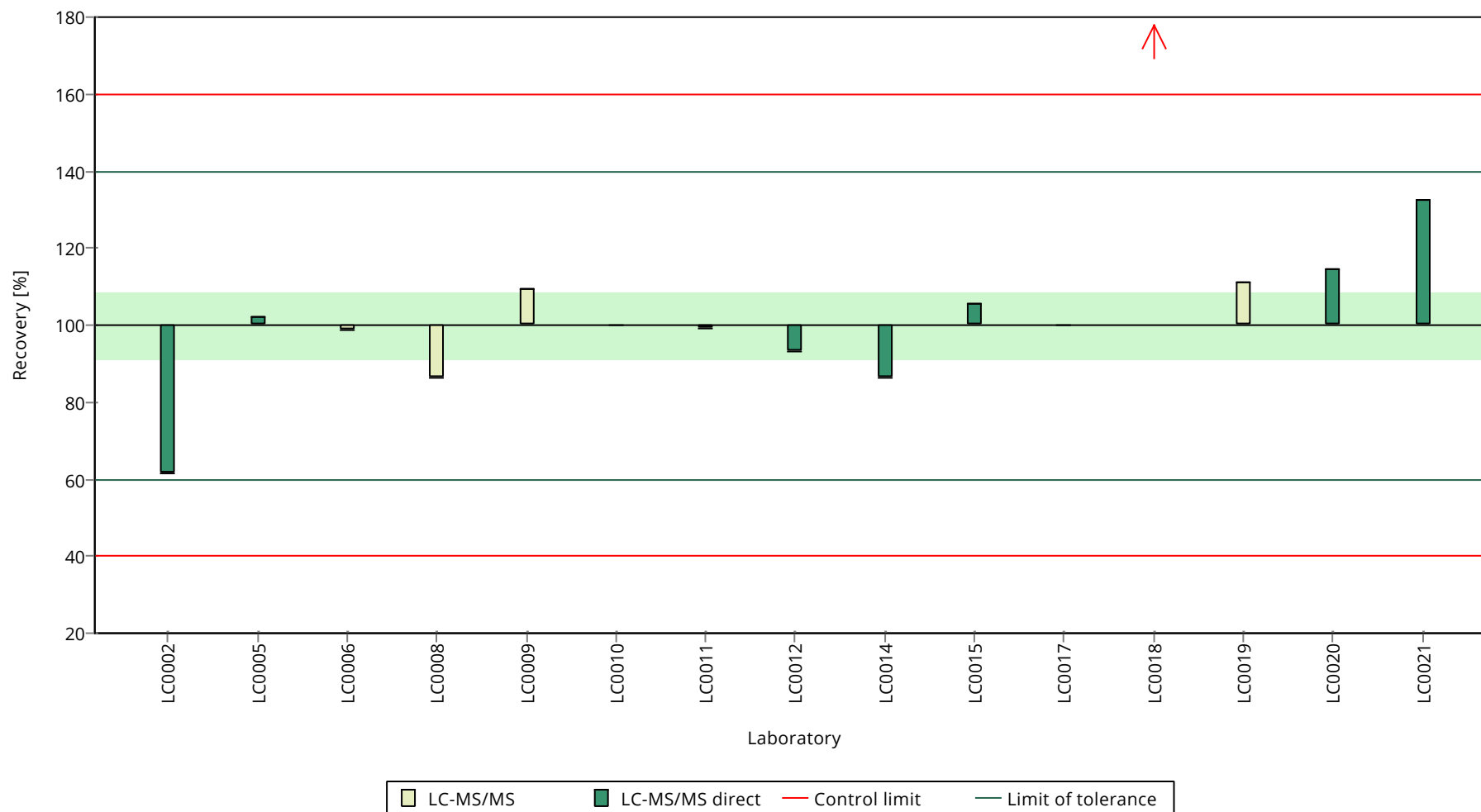
	all results	without outliers	Unit
Mean ± CI (99%)	0.233 ± 0.0474	0.22 ± 0.0287	µg/l
Minimum	0.135	0.135	µg/l
Maximum	0.416	0.292	µg/l
Standard deviation	0.0612	0.0358	µg/l
rel. standard deviation	26.3	16.3	%
n	15	14	-

Graphical presentation of results

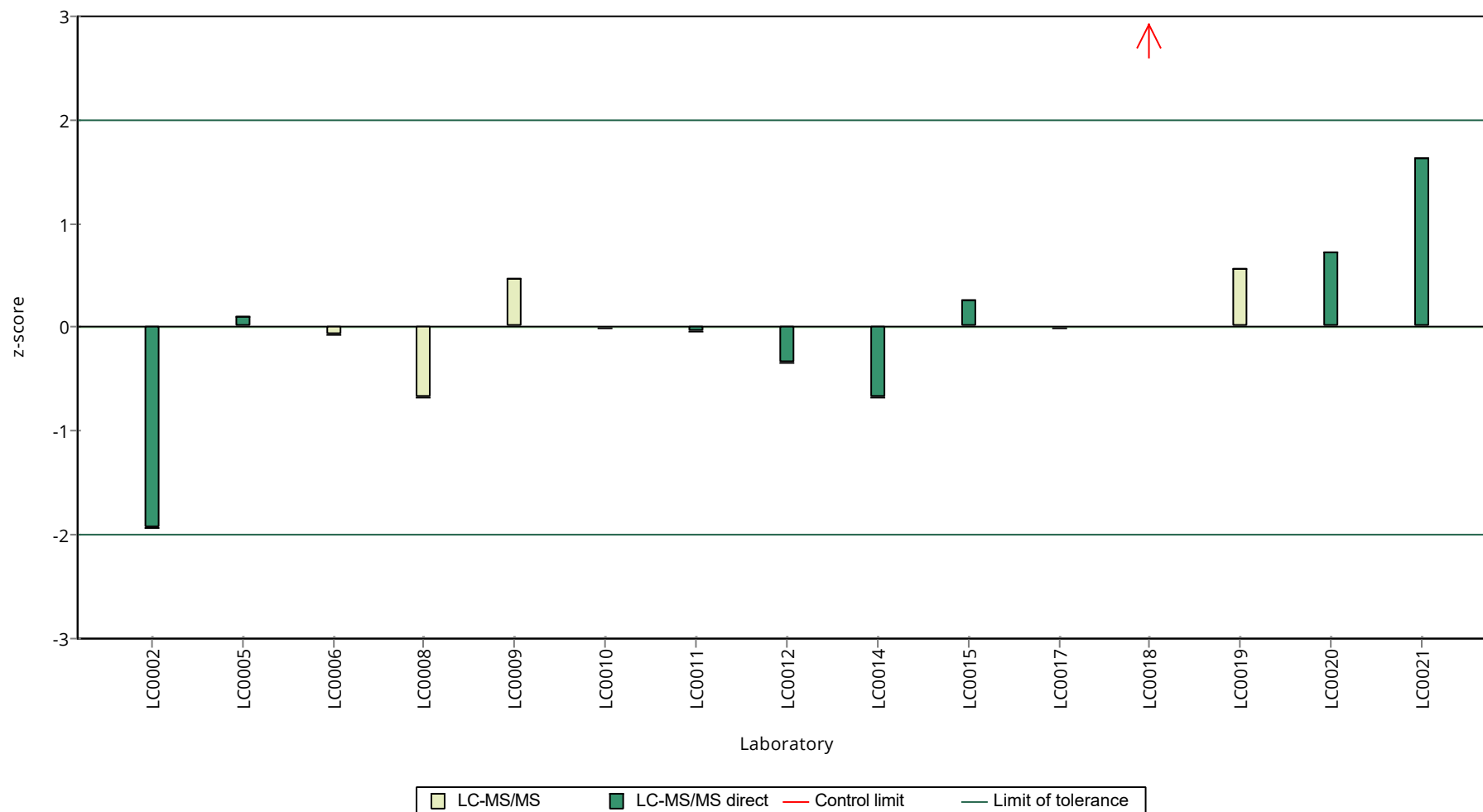
Results



Recovery rate



z-Score



Parameter oriented report

AZ13 B

Amidotrizoic acid

Unit	µg/l
Assigned value ± U (k=2)	1.36 ± 0.108
Criterion	0.272 (20 %)
Minimum - Maximum	0.964 - 1.6
Control test value ± U (k=2)	1.93 ± 0.966

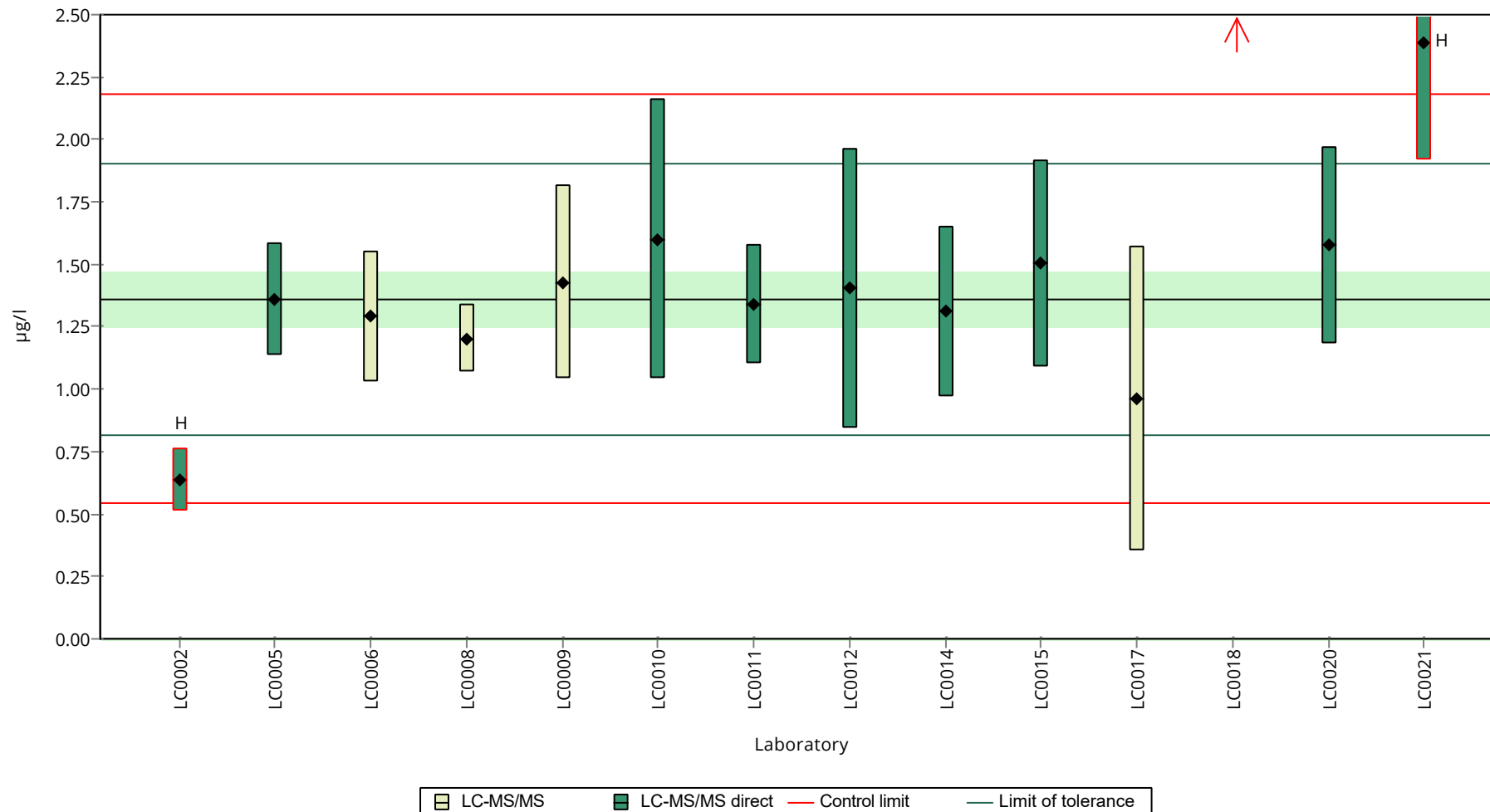
Labcode	Result ± U	Recovery [%]	z-Score	Comments
LC0001	- ± -	-	-	
LC0002	0.636 ± 0.127	46.7	-2.66	H
LC0004	- ± -	-	-	
LC0005	1.362 ± 0.2254	100	0.00	
LC0006	1.29 ± 0.26	94.7	-0.26	
LC0007	- ± -	-	-	
LC0008	1.203 ± 0.1383	88.3	-0.58	
LC0009	1.428 ± 0.386	105	0.24	
LC0010	1.6 ± 0.56	117	0.87	
LC0011	1.34 ± 0.241	98.4	-0.08	
LC0012	1.404 ± 0.562	103	0.16	
LC0013	- ± -	-	-	
LC0014	1.31 ± 0.341	96.2	-0.19	
LC0015	1.502 ± 0.4161	110	0.52	
LC0016	- ± -	-	-	
LC0017	0.964 ± 0.61	70.8	-1.46	
LC0018	2.575 ± 0.196	189	4.45	H
LC0019	- ± -	-	-	
LC0020	1.576 ± 0.394	116	0.79	
LC0021	2.39 ± 0.472	176	3.78	H

Characteristics of parameter

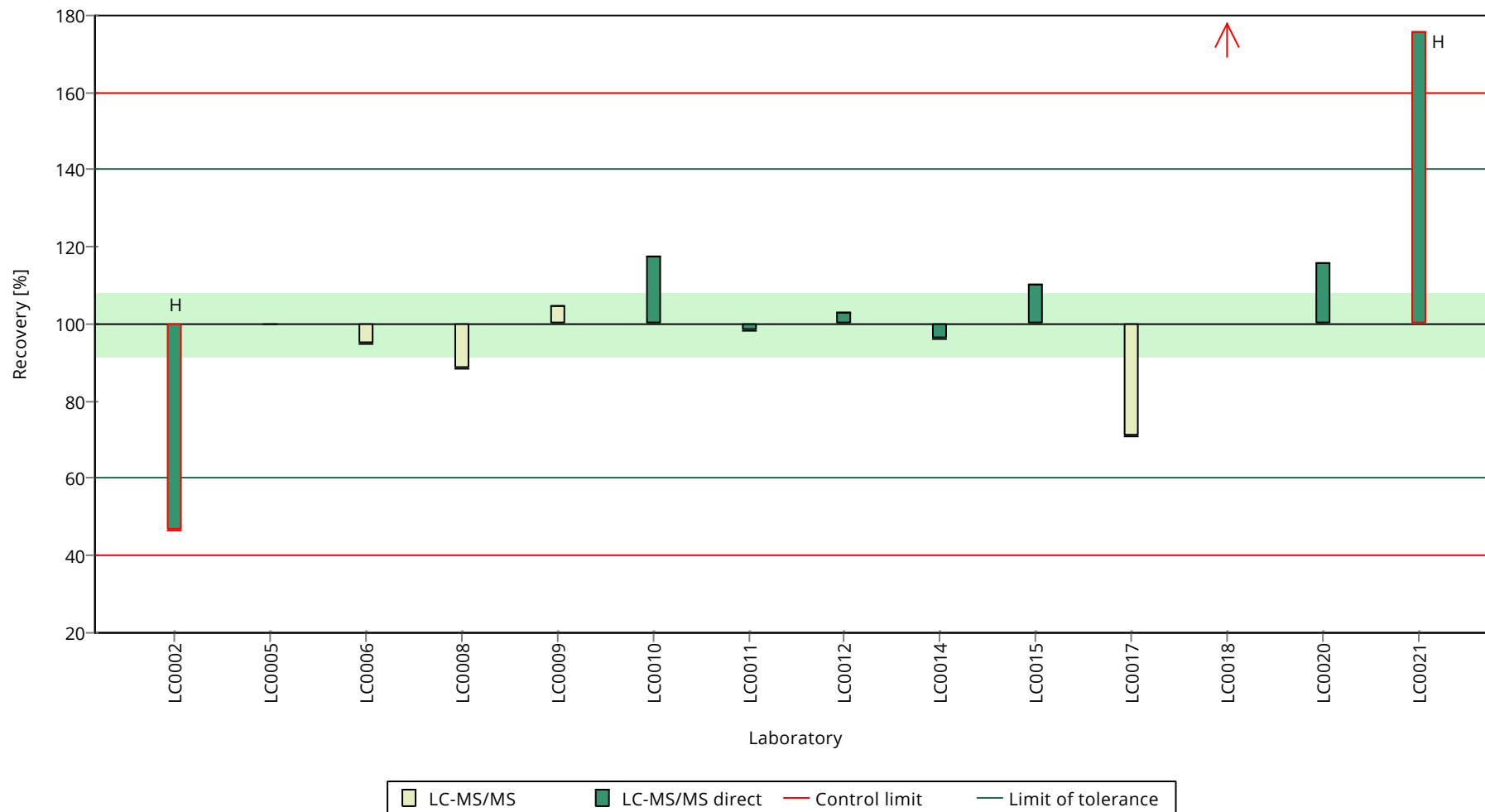
	all results	without outliers	Unit
Mean ± CI (99%)	1.47 ± 0.399	1.36 ± 0.162	µg/l
Minimum	0.636	0.964	µg/l
Maximum	2.58	1.6	µg/l
Standard deviation	0.497	0.179	µg/l
rel. standard deviation	33.8	13.1	%
n	14	11	-

Graphical presentation of results

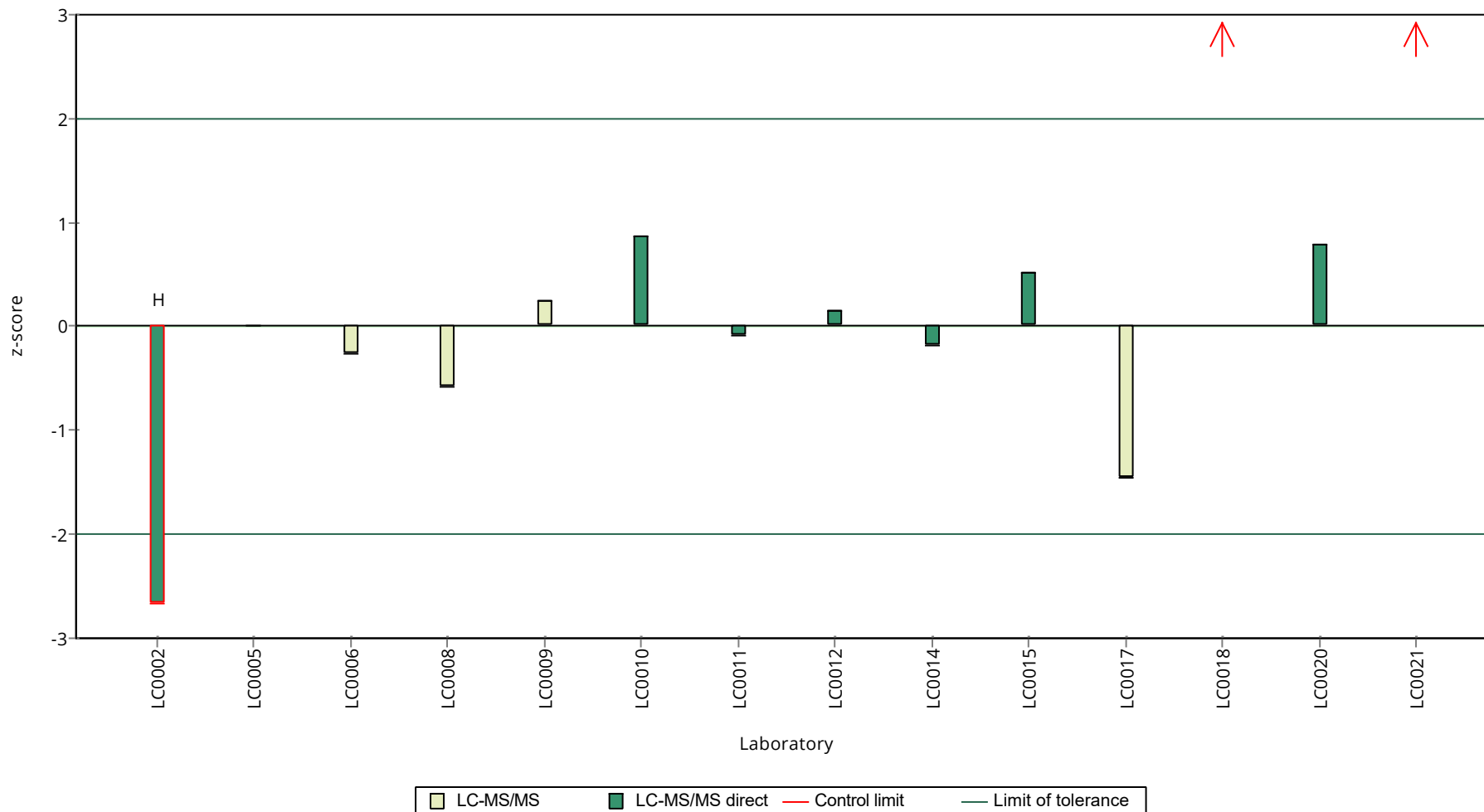
Results



Recovery rate



z-Score



Parameter oriented report

AZ13 A

Atenolol

Unit	µg/l
Assigned value ± U (k=2)	0.327 ± 0.0367
Criterion	0.0655 (20 %)
Minimum - Maximum	0.265 - 0.427
Control test value ± U (k=2)	0.341 ± 0.102

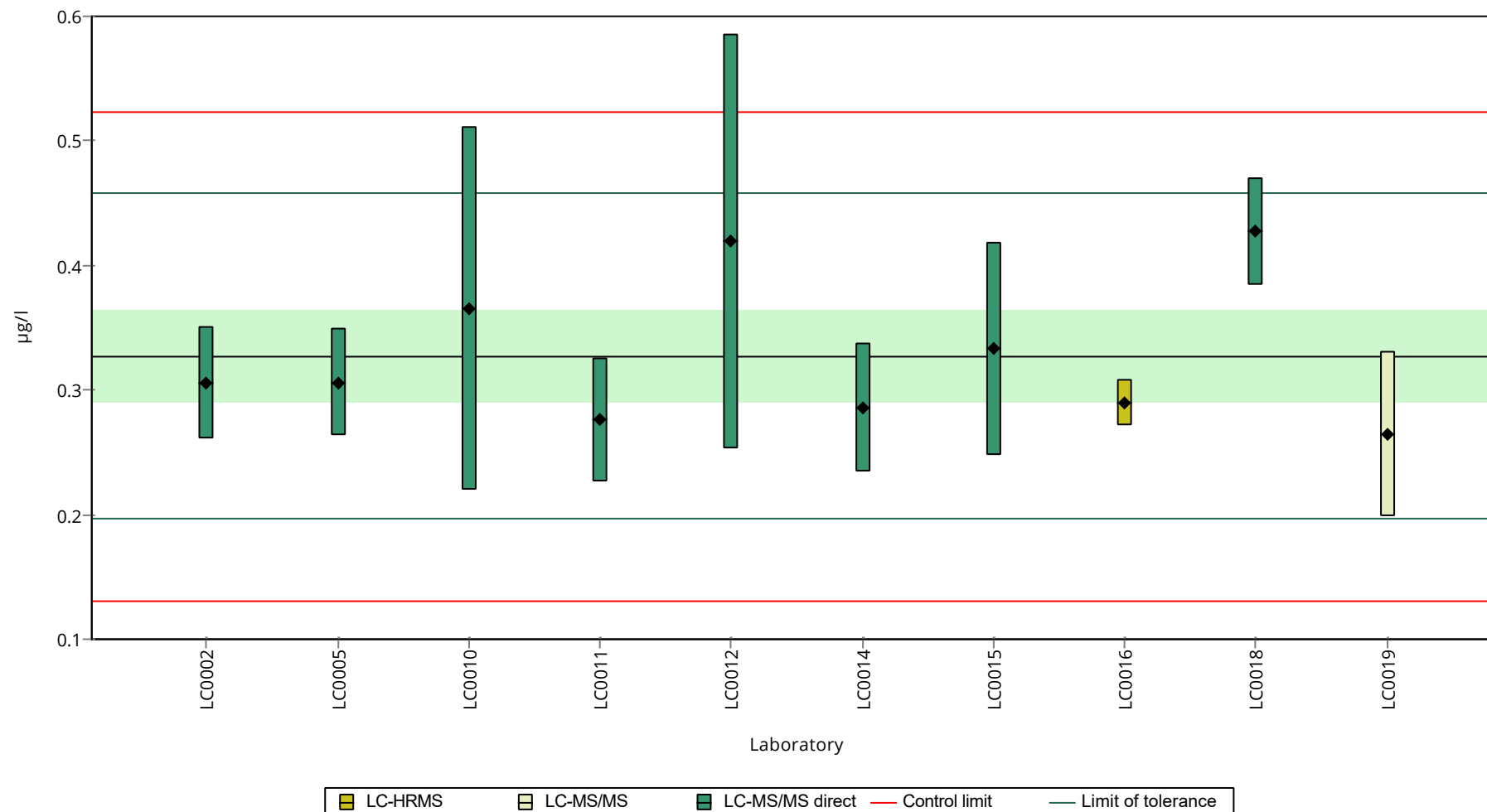
Labcode	Result ± U	Recovery [%]	z-Score	Comments
LC0001	- ± -	-	-	
LC0002	0.306 ± 0.045	93.5	-0.33	
LC0004	- ± -	-	-	
LC0005	0.3059 ± 0.0429	93.5	-0.33	
LC0006	- ± -	-	-	
LC0007	- ± -	-	-	
LC0008	- ± -	-	-	
LC0009	- ± -	-	-	
LC0010	0.365 ± 0.146	112	0.58	
LC0011	0.276 ± 0.05	84.3	-0.78	
LC0012	0.419 ± 0.167	128	1.4	
LC0013	- ± -	-	-	
LC0014	0.286 ± 0.0515	87.4	-0.63	
LC0015	0.333 ± 0.0859	102	0.09	
LC0016	0.29 ± 0.0188	88.6	-0.57	
LC0017	- ± -	-	-	
LC0018	0.427 ± 0.043	130	1.52	
LC0019	0.265 ± 0.0663	81	-0.95	
LC0020	- ± -	-	-	
LC0021	- ± -	-	-	

Characteristics of parameter

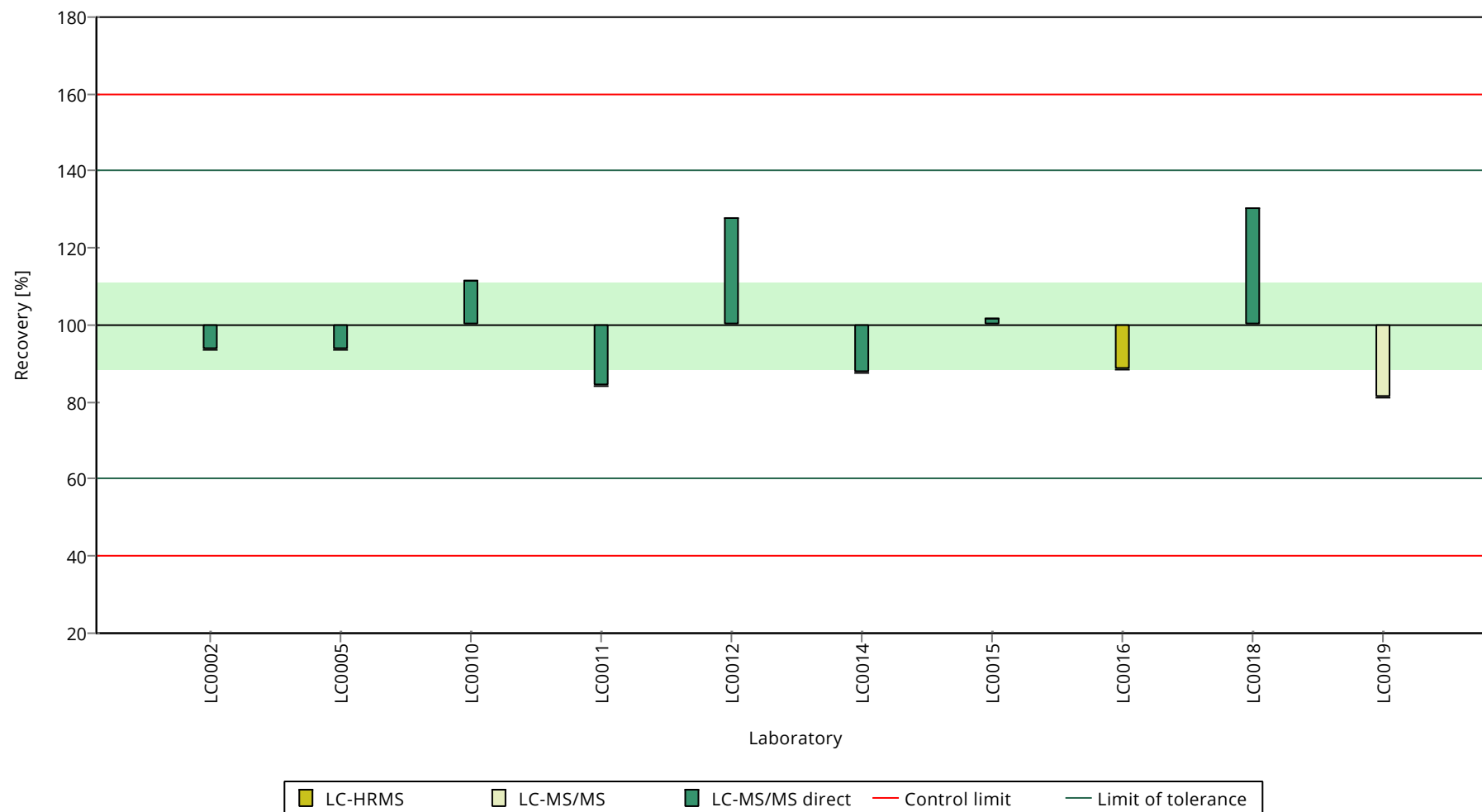
	all results	without outliers	Unit
Mean ± CI (99%)	0.327 ± 0.0551	0.327 ± 0.0551	µg/l
Minimum	0.265	0.265	µg/l
Maximum	0.427	0.427	µg/l
Standard deviation	0.058	0.058	µg/l
rel. standard deviation	17.7	17.7	%
n	10	10	-

Graphical presentation of results

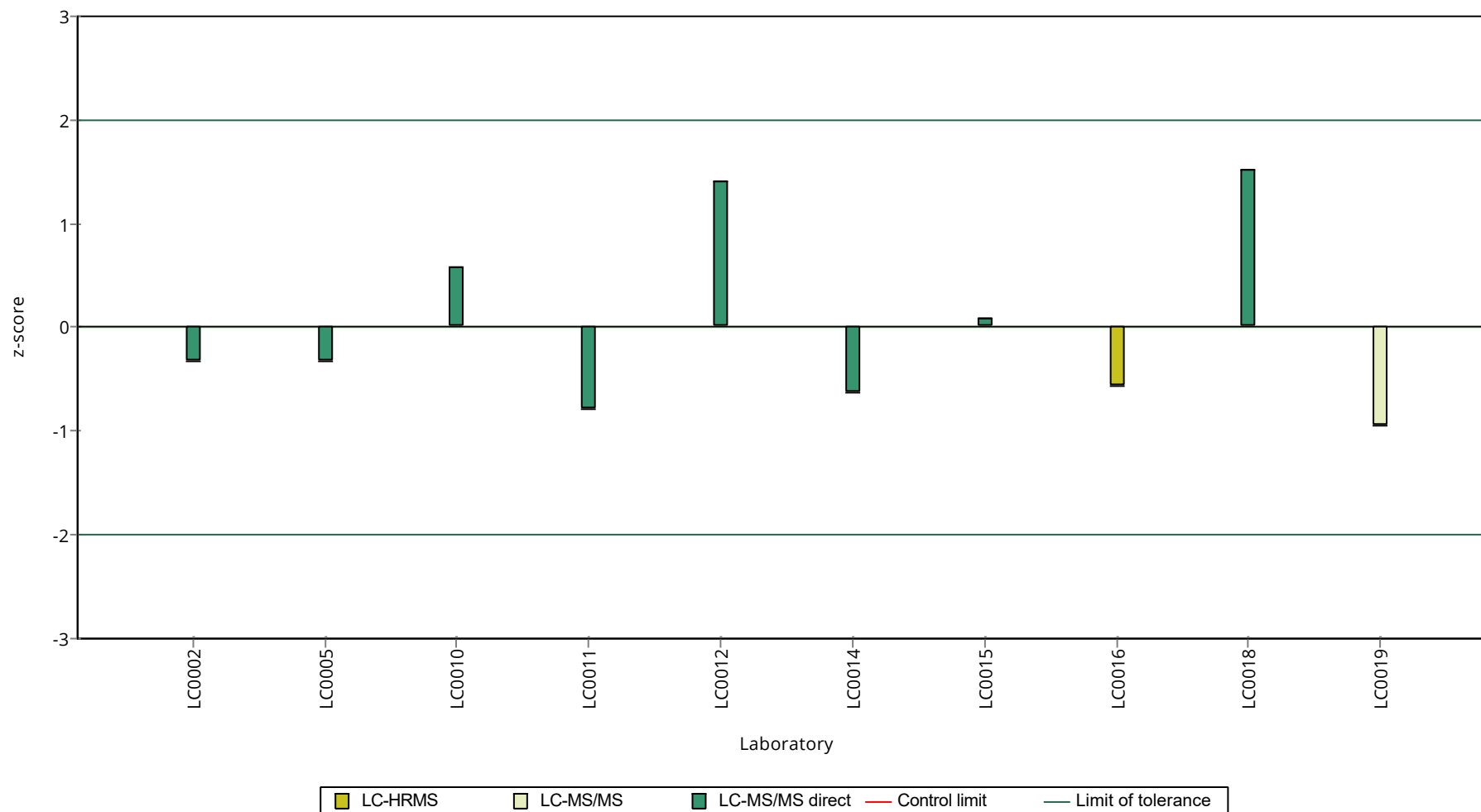
Results



Recovery rate



z-Score



Parameter oriented report

AZ13 B

Atenolol

Unit	µg/l
Assigned value ± U (k=2)	0.248 ± 0.0203
Criterion	0.0497 (20 %)
Minimum - Maximum	0.213 - 0.308
Control test value ± U (k=2)	0.217 ± 0.065

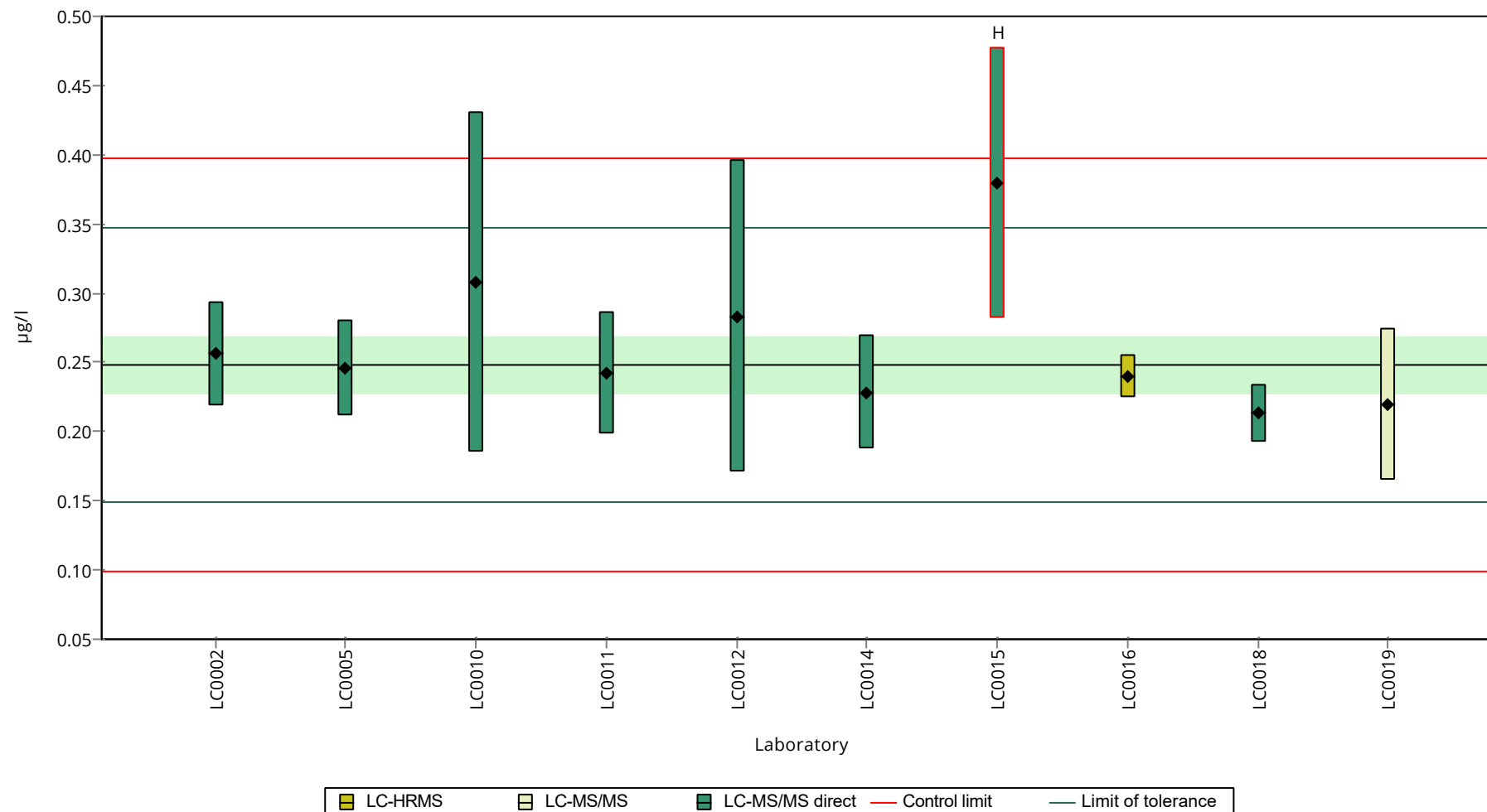
Labcode	Result ± U	Recovery [%]	z-Score	Comments
LC0001	- ± -	-	-	
LC0002	0.256 ± 0.038	103	0.15	
LC0004	- ± -	-	-	
LC0005	0.2458 ± 0.0344	98.9	-0.05	
LC0006	- ± -	-	-	
LC0007	- ± -	-	-	
LC0008	- ± -	-	-	
LC0009	- ± -	-	-	
LC0010	0.308 ± 0.123	124	1.2	
LC0011	0.242 ± 0.044	97.4	-0.13	
LC0012	0.283 ± 0.113	114	0.7	
LC0013	- ± -	-	-	
LC0014	0.228 ± 0.0411	91.8	-0.41	
LC0015	0.3798 ± 0.098	153	2.64	H
LC0016	0.24 ± 0.0156	96.6	-0.17	
LC0017	- ± -	-	-	
LC0018	0.213 ± 0.021	85.7	-0.71	
LC0019	0.22 ± 0.055	88.6	-0.57	
LC0020	- ± -	-	-	
LC0021	- ± -	-	-	

Characteristics of parameter

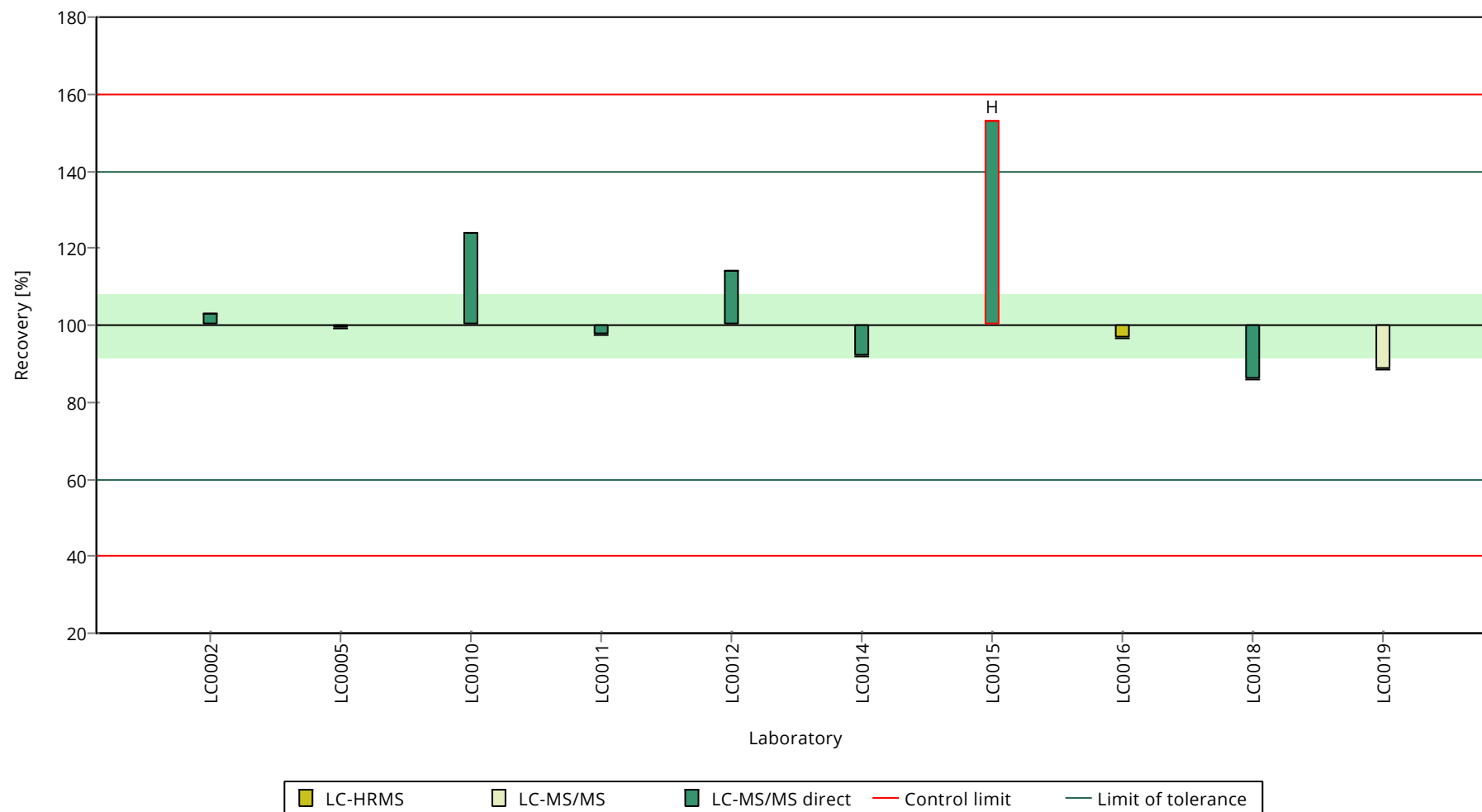
	all results	without outliers	Unit
Mean ± CI (99%)	0.262 ± 0.0479	0.248 ± 0.0304	µg/l
Minimum	0.213	0.213	µg/l
Maximum	0.38	0.308	µg/l
Standard deviation	0.0505	0.0304	µg/l
rel. standard deviation	19.3	12.2	%
n	10	9	-

Graphical presentation of results

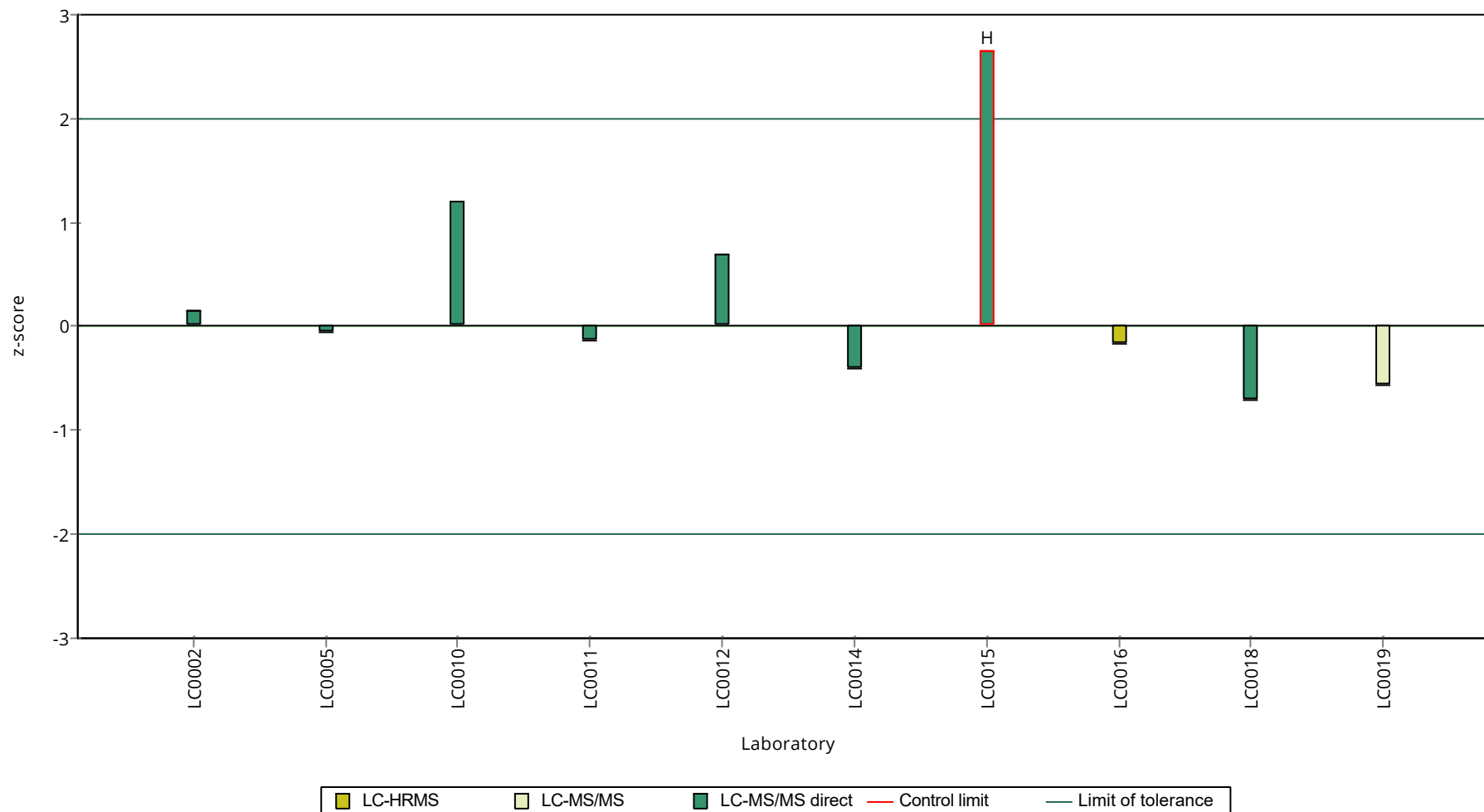
Results



Recovery rate



z-Score



Parameter oriented report

AZ13 A

Benzotriazole

Unit	µg/l
Assigned value ± U (k=2)	0.0794 ± 0.00279
Criterion	0.00953 (12 %)
Minimum - Maximum	0.073 - 0.104
Control test value ± U (k=2)	0.114 ± 0.0285

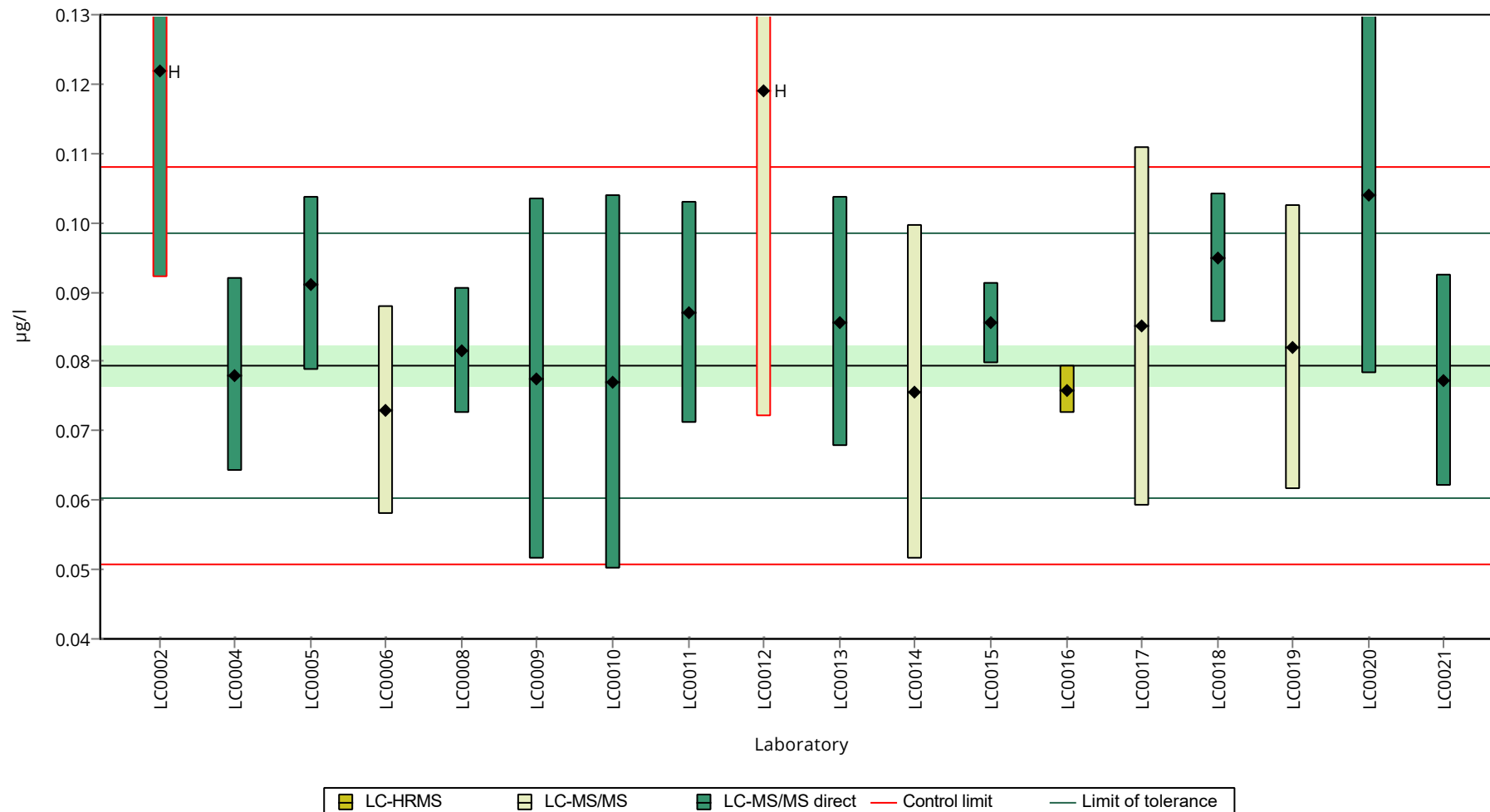
Labcode	Result ± U	Recovery [%]	z-Score	Comments
LC0001	- ± -	-	-	
LC0002	0.122 ± 0.03	154	4.47	H
LC0004	0.078 ± 0.014	98.3	-0.15	
LC0005	0.0912 ± 0.0125	115	1.24	
LC0006	0.073 ± 0.015	92	-0.67	
LC0007	- ± -	-	-	
LC0008	0.0815 ± 0.009	103	0.22	
LC0009	0.0774 ± 0.026	97.5	-0.21	
LC0010	0.077 ± 0.027	97	-0.25	
LC0011	0.087 ± 0.016	110	0.8	
LC0012	0.119 ± 0.047	150	4.16	H
LC0013	0.0857 ± 0.018	108	0.66	
LC0014	0.0756 ± 0.0242	95.2	-0.4	
LC0015	0.0855 ± 0.0059	108	0.64	
LC0016	0.0759 ± 0.00352	95.6	-0.37	
LC0017	0.085 ± 0.026	107	0.59	
LC0018	0.095 ± 0.0093	120	1.64	
LC0019	0.082 ± 0.0205	103	0.27	
LC0020	0.104 ± 0.0259	131	2.58	
LC0021	0.0773 ± 0.0153	97.4	-0.22	

Characteristics of parameter

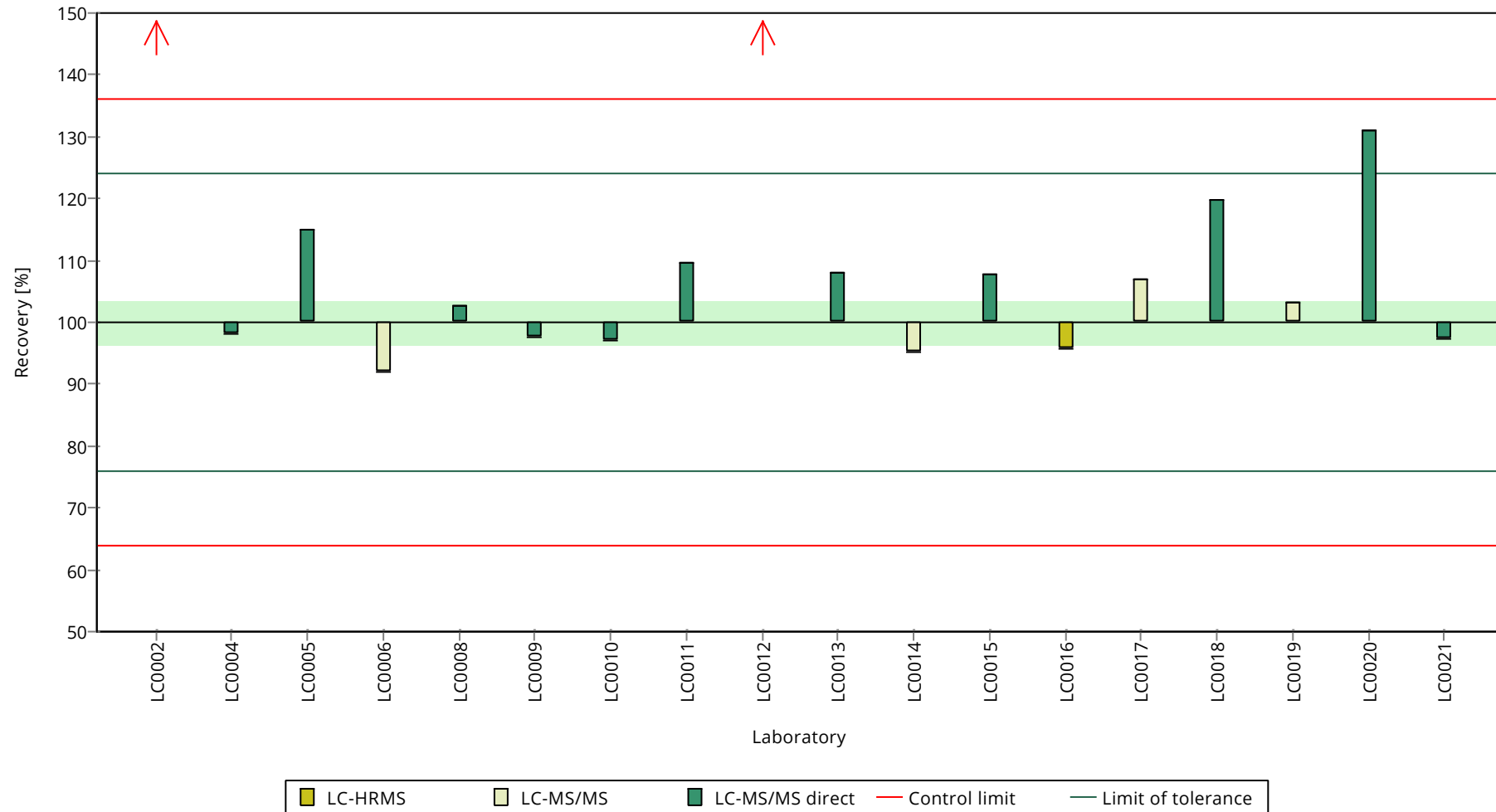
	all results	without outliers	Unit
Mean ± CI (99%)	0.0873 ± 0.0101	0.0832 ± 0.00618	µg/l
Minimum	0.073	0.073	µg/l
Maximum	0.122	0.104	µg/l
Standard deviation	0.0143	0.00824	µg/l
rel. standard deviation	16.4	9.9	%
n	18	16	-

Graphical presentation of results

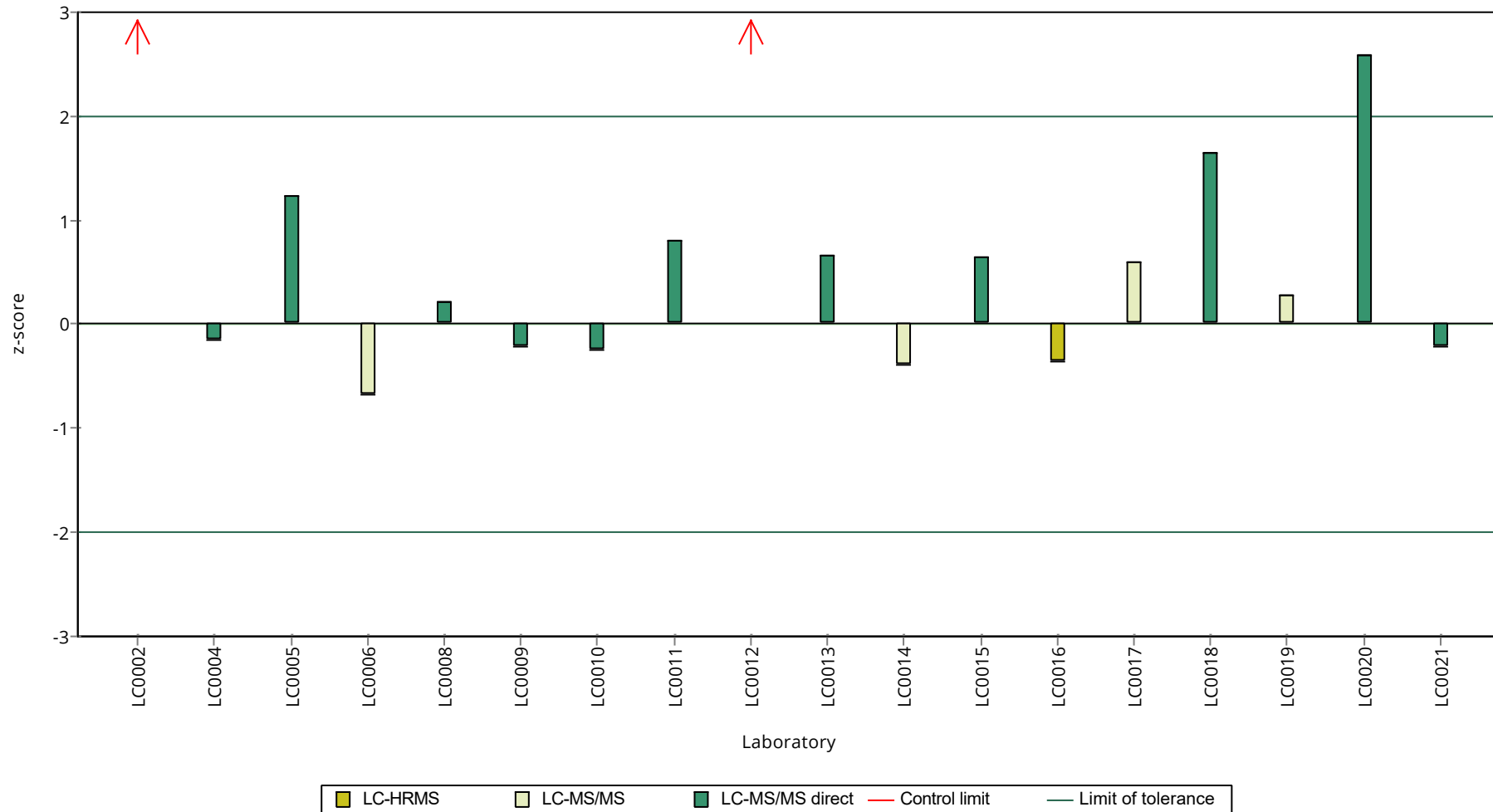
Results



Recovery rate



z-Score



Parameter oriented report

AZ13 B

Benzotriazole

Unit	µg/l
Assigned value ± U (k=2)	4.8 ± 0.293
Criterion	0.624 (13 %)
Minimum - Maximum	3.75 - 6.49
Control test value ± U (k=2)	5.63 ± 1.41

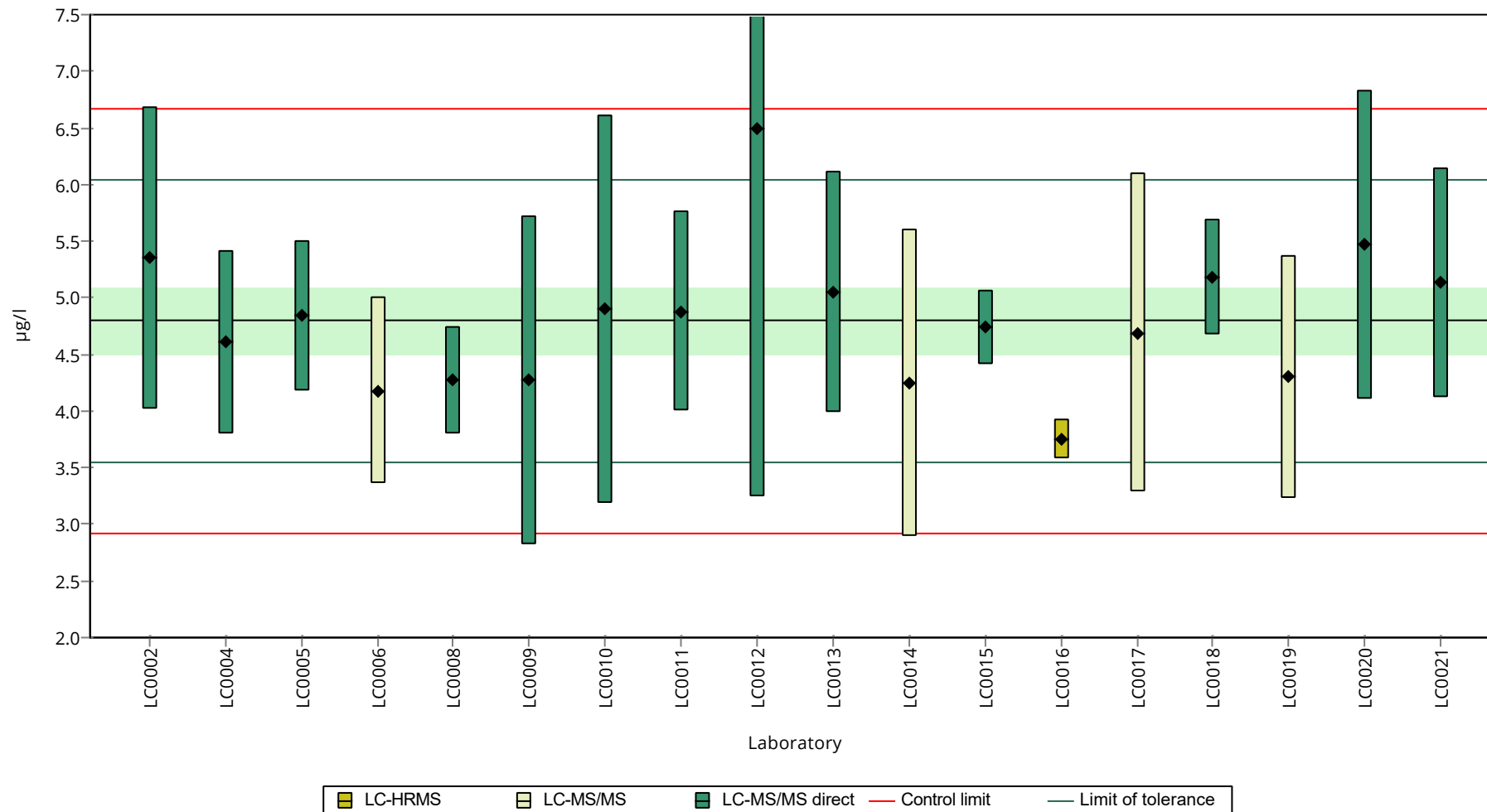
Labcode	Result ± U	Recovery [%]	z-Score	Comments
LC0001	- ± -	-	-	
LC0002	5.35 ± 1.33	112	0.89	
LC0004	4.61 ± 0.81	96.1	-0.3	
LC0005	4.843 ± 0.6641	101	0.07	
LC0006	4.18 ± 0.83	87.1	-0.99	
LC0007	- ± -	-	-	
LC0008	4.27 ± 0.4697	89	-0.84	
LC0009	4.27 ± 1.452	89	-0.84	
LC0010	4.901 ± 1.715	102	0.17	
LC0011	4.88 ± 0.878	102	0.13	
LC0012	6.488 ± 3.244	135	2.71	
LC0013	5.047 ± 1.06	105	0.4	
LC0014	4.25 ± 1.36	88.6	-0.88	
LC0015	4.7383 ± 0.3269	98.8	-0.09	
LC0016	3.75 ± 0.174	78.2	-1.68	
LC0017	4.69 ± 1.41	97.8	-0.17	
LC0018	5.18 ± 0.506	108	0.61	
LC0019	4.3 ± 1.075	89.6	-0.8	
LC0020	5.465 ± 1.366	114	1.07	
LC0021	5.13 ± 1.01	107	0.53	

Characteristics of parameter

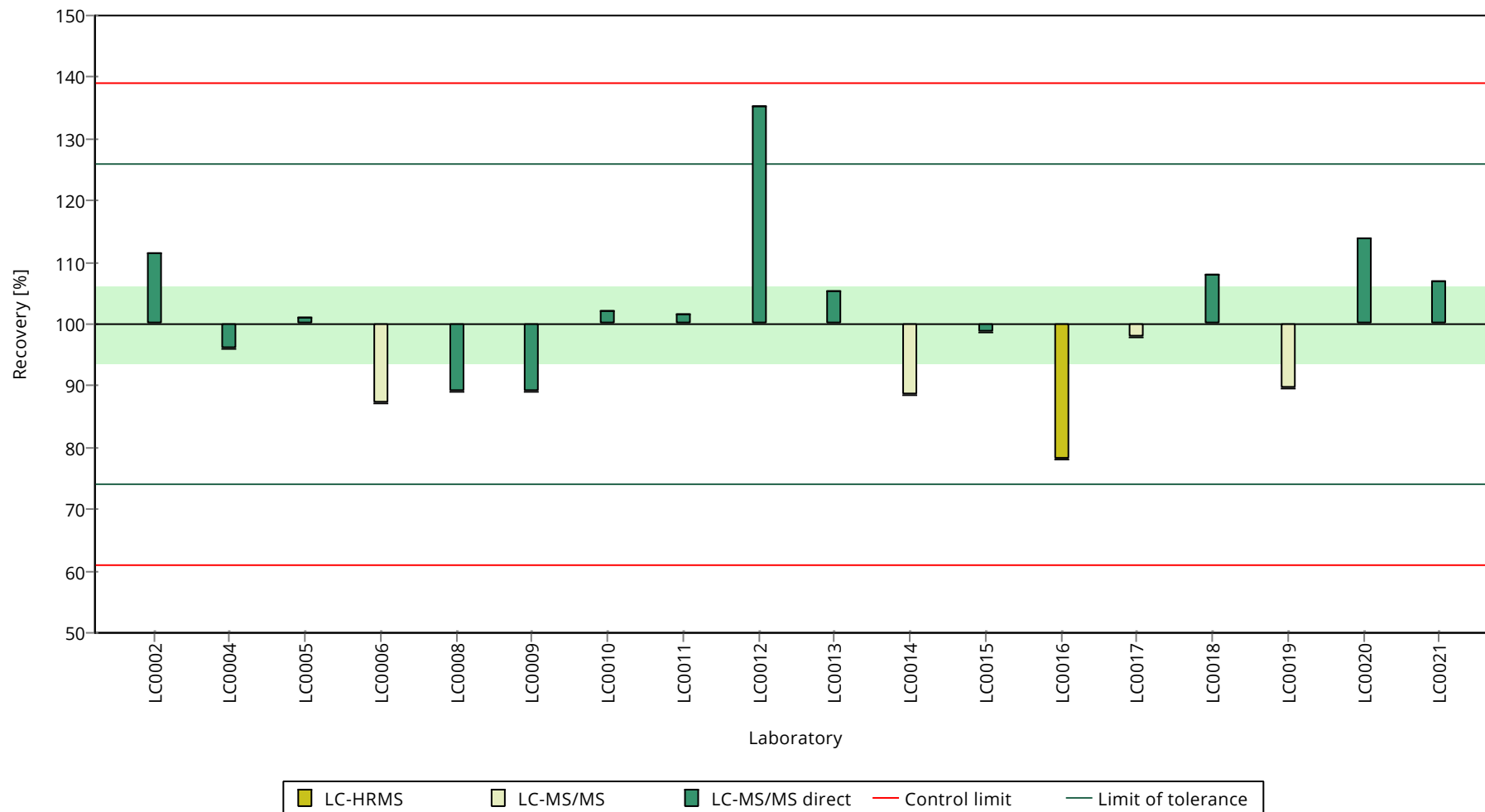
	all results	without outliers	Unit
Mean ± CI (99%)	4.8 ± 0.44	4.8 ± 0.44	µg/l
Minimum	3.75	3.75	µg/l
Maximum	6.49	6.49	µg/l
Standard deviation	0.622	0.622	µg/l
rel. standard deviation	13	13	%
n	18	18	-

Graphical presentation of results

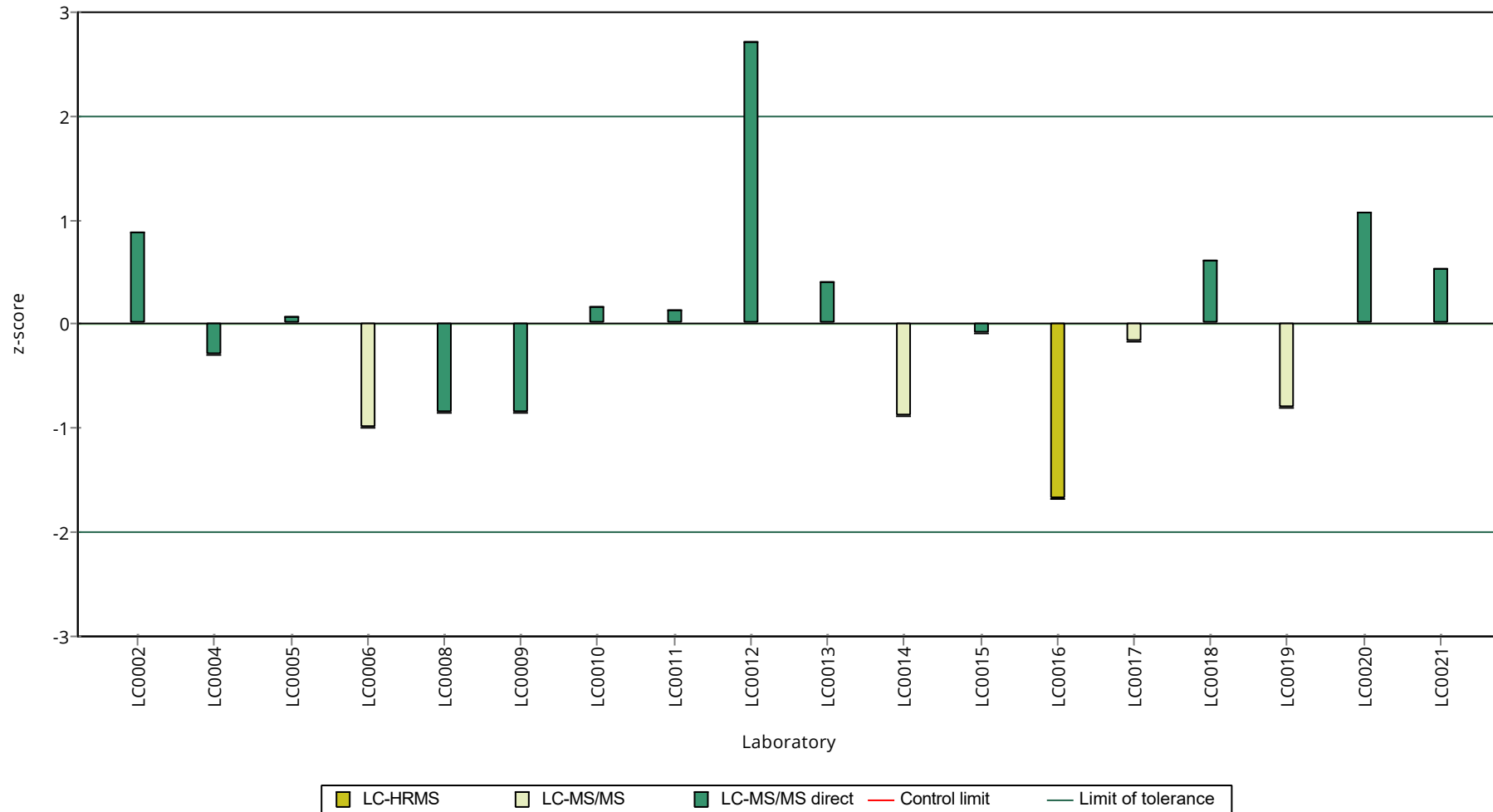
Results



Recovery rate



z-Score



Parameter oriented report

AZ13 A

Bisoprolol

Unit	µg/l
Assigned value ± U (k=2)	0.189 ± 0.0306
Criterion	0.0398 (21 %)
Minimum - Maximum	0.136 - 0.248
Control test value ± U (k=2)	0.227 ± 0.0454

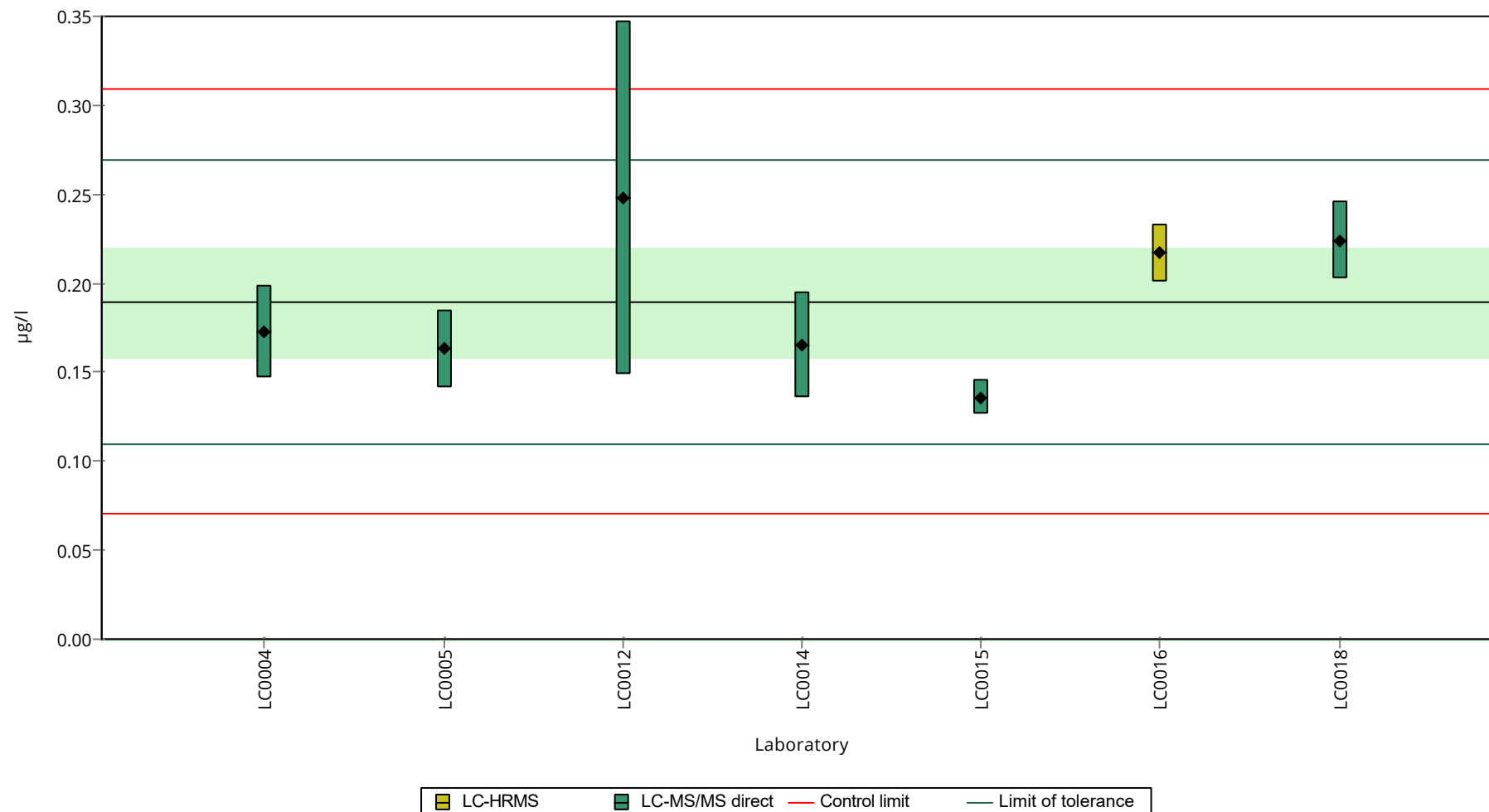
Labcode	Result ± U	Recovery [%]	z-Score	Comments
LC0001	- ± -	-	-	
LC0002	- ± -	-	-	
LC0004	0.173 ± 0.026	91.3	-0.41	
LC0005	0.1631 ± 0.0218	86.1	-0.66	
LC0006	- ± -	-	-	
LC0007	- ± -	-	-	
LC0008	- ± -	-	-	
LC0009	- ± -	-	-	
LC0010	- ± -	-	-	
LC0011	- ± -	-	-	
LC0012	0.248 ± 0.099	131	1.47	
LC0013	- ± -	-	-	
LC0014	0.165 ± 0.0297	87.1	-0.61	
LC0015	0.136 ± 0.0095	71.8	-1.34	
LC0016	0.217 ± 0.0163	115	0.69	
LC0017	- ± -	-	-	
LC0018	0.224 ± 0.022	118	0.87	
LC0019	- ± -	-	-	
LC0020	- ± -	-	-	
LC0021	- ± -	-	-	

Characteristics of parameter

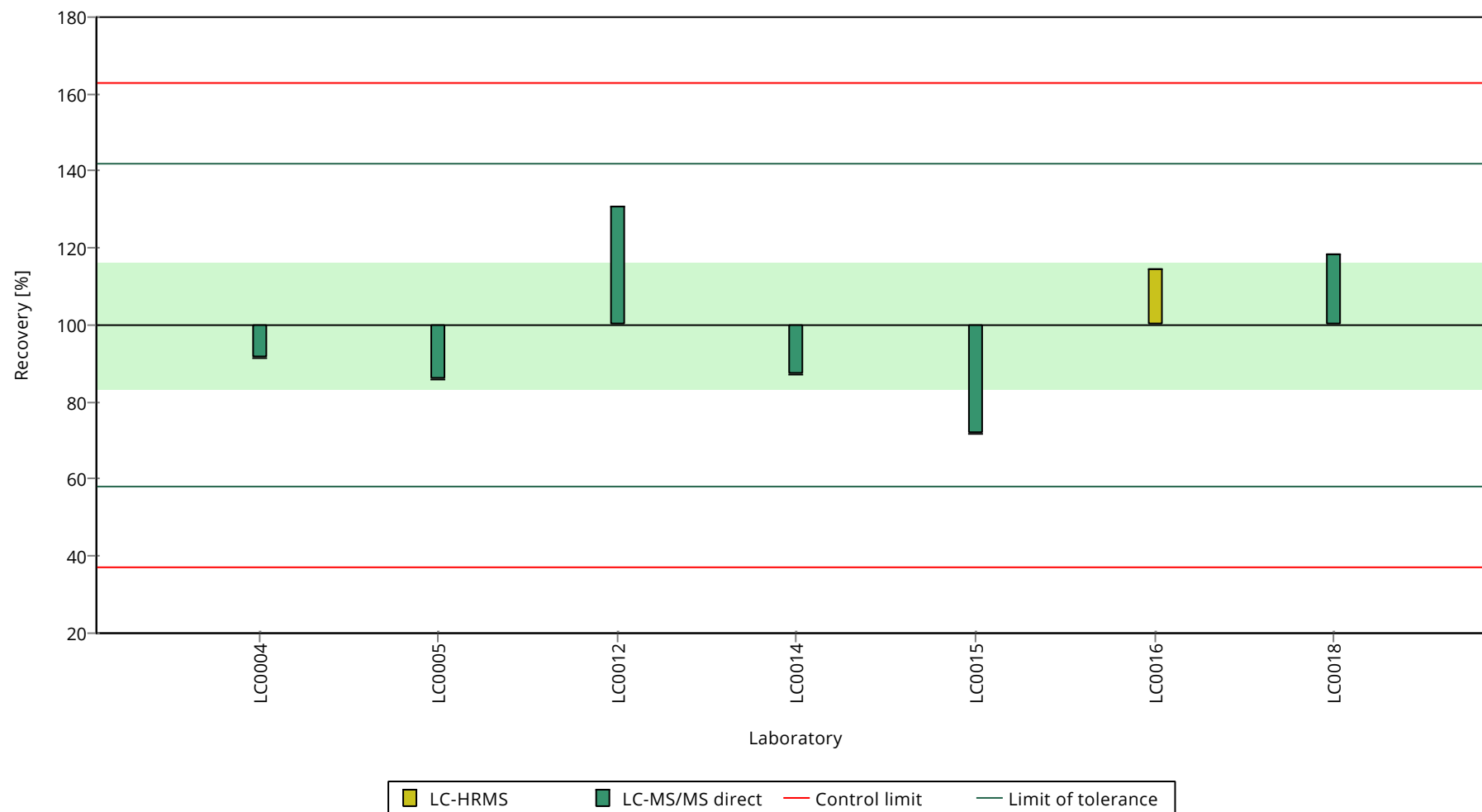
	all results	without outliers	Unit
Mean ± CI (99%)	0.189 ± 0.0458	0.189 ± 0.0458	µg/l
Minimum	0.136	0.136	µg/l
Maximum	0.248	0.248	µg/l
Standard deviation	0.0404	0.0404	µg/l
rel. standard deviation	21.3	21.3	%
n	7	7	-

Graphical presentation of results

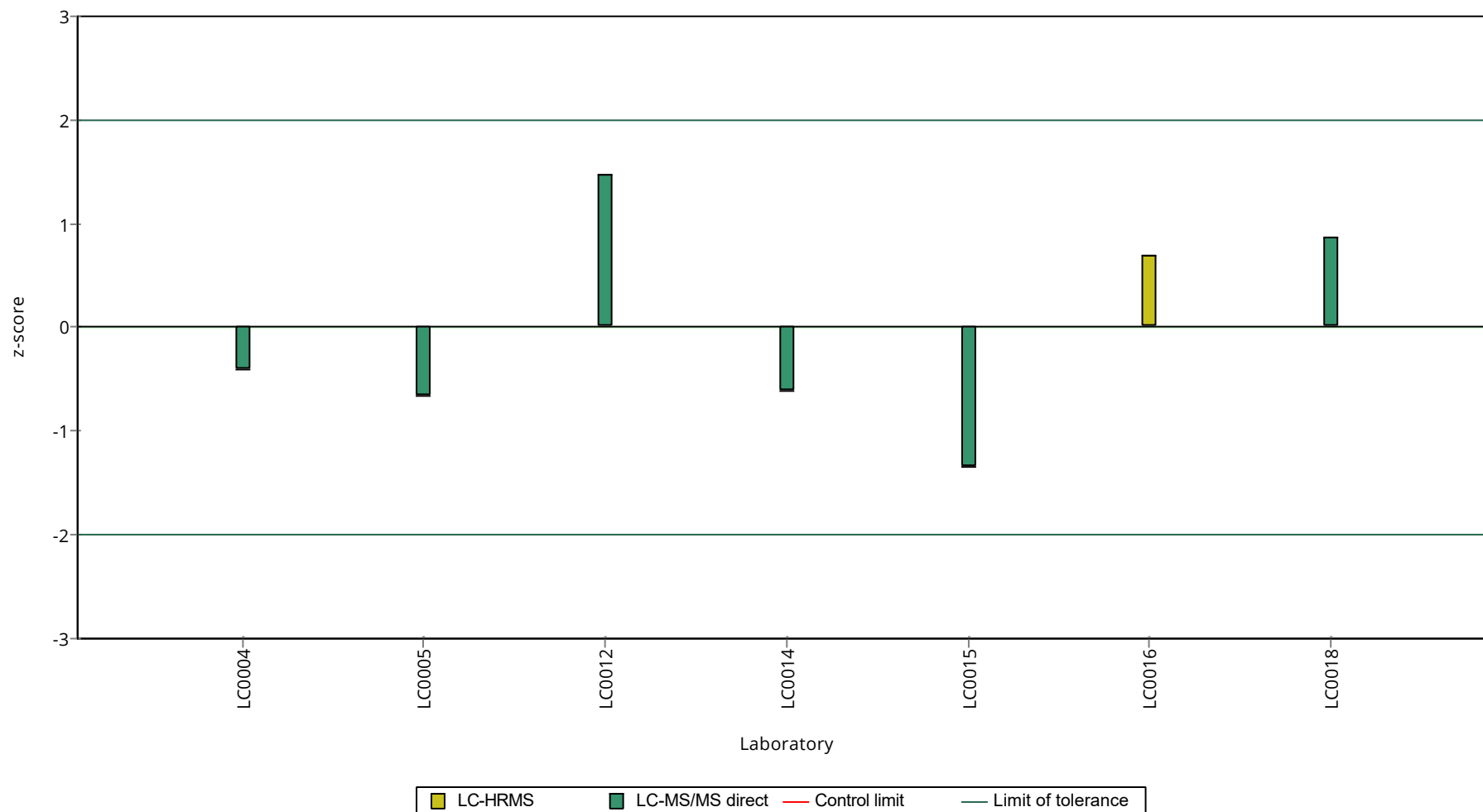
Results



Recovery rate



z-Score



Parameter oriented report

AZ13 B

Bisoprolol

Unit	µg/l
Assigned value ± U (k=2)	0.447 ± 0.0529
Criterion	0.0848 (19 %)
Minimum - Maximum	0.375 - 0.562
Control test value ± U (k=2)	0.394 ± 0.0787

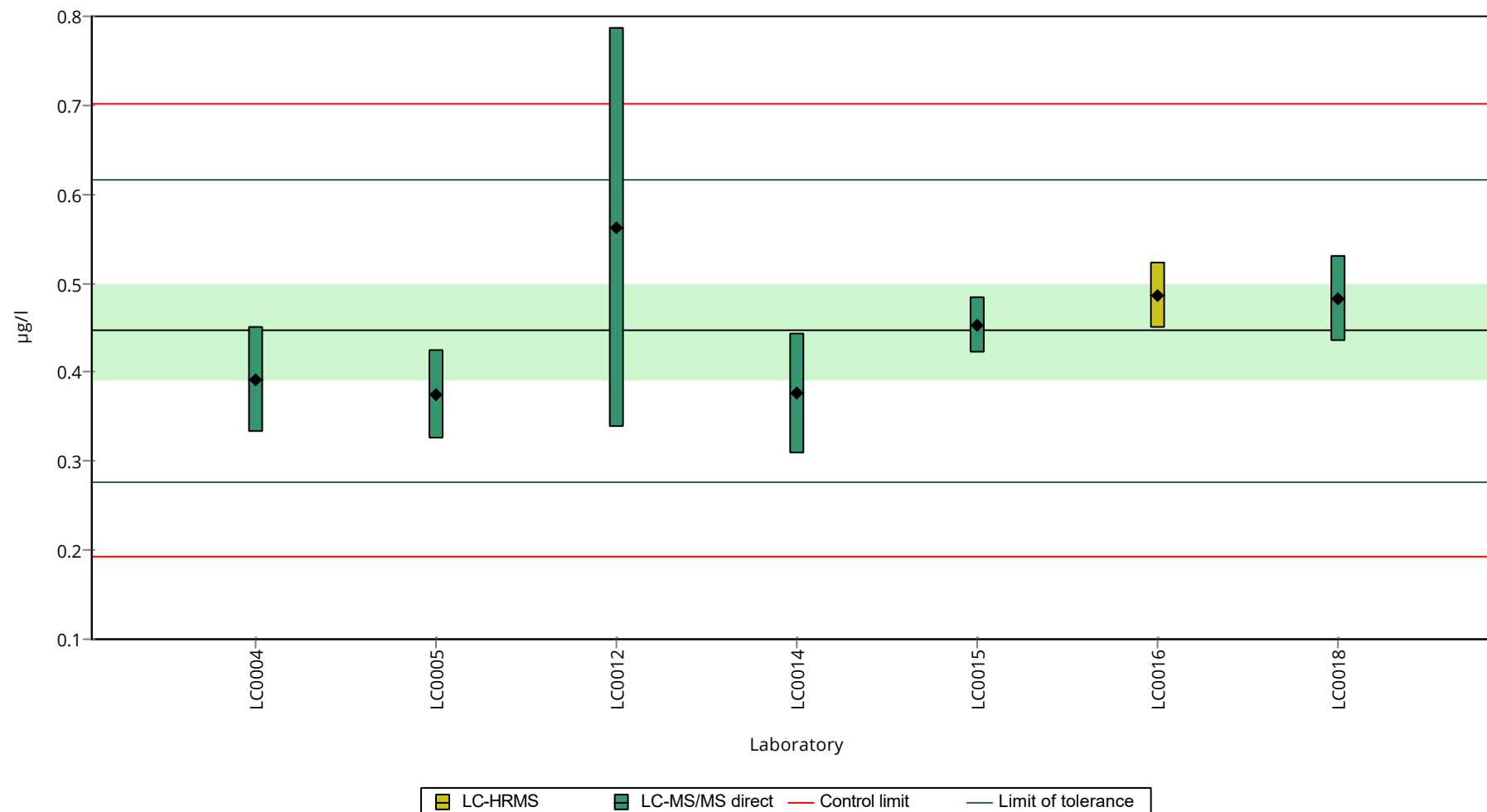
Labcode	Result ± U	Recovery [%]	z-Score	Comments
LC0001	- ± -	-	-	
LC0002	- ± -	-	-	
LC0004	0.392 ± 0.059	87.8	-0.64	
LC0005	0.3747 ± 0.0501	83.9	-0.85	
LC0006	- ± -	-	-	
LC0007	- ± -	-	-	
LC0008	- ± -	-	-	
LC0009	- ± -	-	-	
LC0010	- ± -	-	-	
LC0011	- ± -	-	-	
LC0012	0.562 ± 0.225	126	1.36	
LC0013	- ± -	-	-	
LC0014	0.376 ± 0.0676	84.2	-0.83	
LC0015	0.452 ± 0.0316	101	0.06	
LC0016	0.486 ± 0.0365	109	0.47	
LC0017	- ± -	-	-	
LC0018	0.483 ± 0.048	108	0.43	
LC0019	- ± -	-	-	
LC0020	- ± -	-	-	
LC0021	- ± -	-	-	

Characteristics of parameter

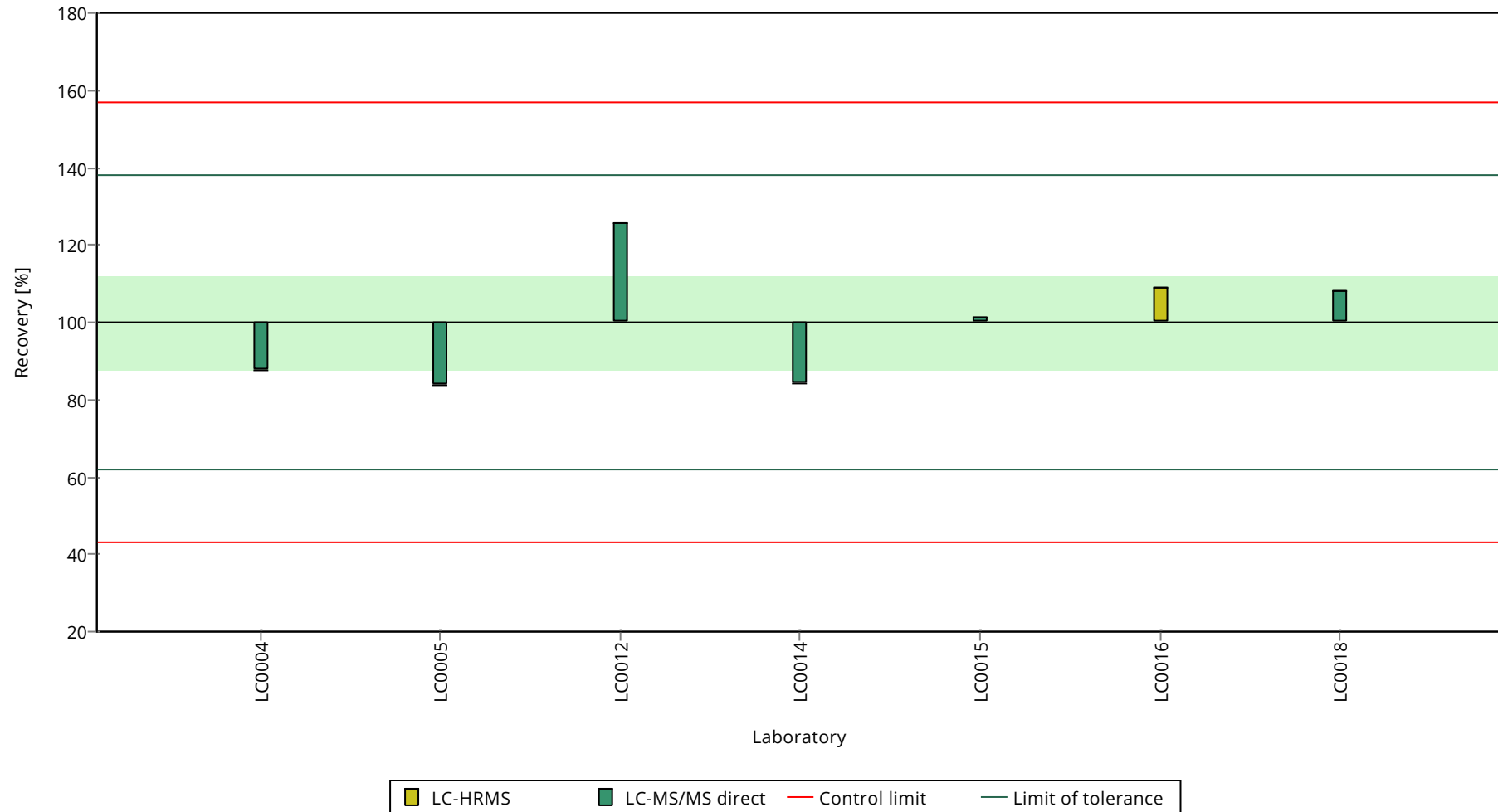
	all results	without outliers	Unit
Mean ± CI (99%)	0.447 ± 0.0793	0.447 ± 0.0793	µg/l
Minimum	0.375	0.375	µg/l
Maximum	0.562	0.562	µg/l
Standard deviation	0.07	0.07	µg/l
rel. standard deviation	15.7	15.7	%
n	7	7	-

Graphical presentation of results

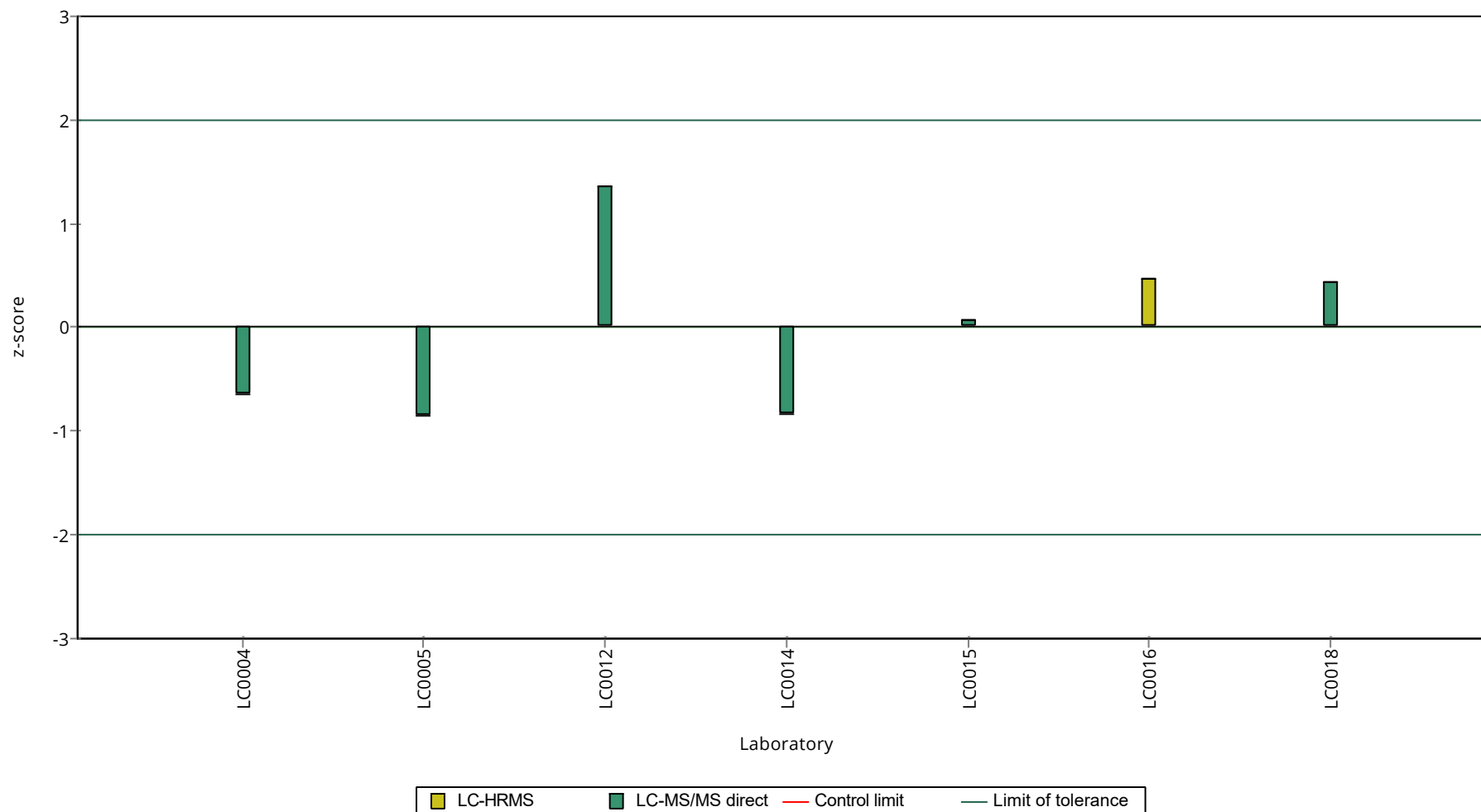
Results



Recovery rate



z-Score



Parameter oriented report

AZ13 A

Carbamazepine

Unit	µg/l
Assigned value ± U (k=2)	0.167 ± 0.0143
Criterion	0.0301 (18 %)
Minimum - Maximum	0.102 - 0.216
Control test value ± U (k=2)	0.215 ± 0.0537

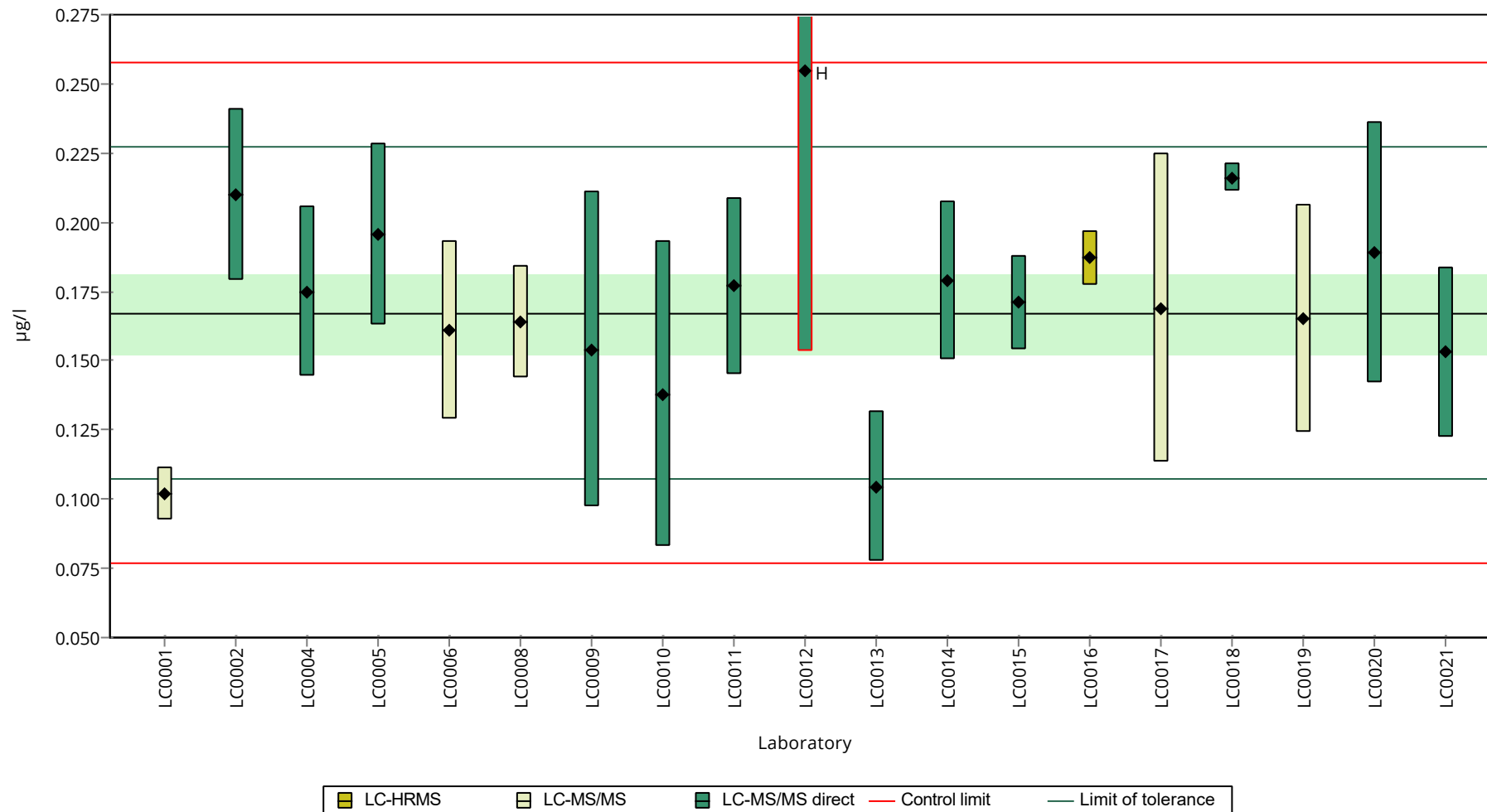
Labcode	Result ± U	Recovery [%]	z-Score	Comments
LC0001	0.1019 ± 0.0096	60.9	-2.17	
LC0002	0.21 ± 0.031	126	1.42	
LC0004	0.175 ± 0.031	105	0.26	
LC0005	0.1956 ± 0.0326	117	0.94	
LC0006	0.161 ± 0.032	96.3	-0.21	
LC0007	- ± -	-	-	
LC0008	0.164 ± 0.0205	98.1	-0.11	
LC0009	0.154 ± 0.057	92.1	-0.44	
LC0010	0.138 ± 0.055	82.5	-0.97	
LC0011	0.177 ± 0.032	106	0.32	
LC0012	0.255 ± 0.102	152	2.92	H
LC0013	0.1045 ± 0.0272	62.5	-2.08	
LC0014	0.179 ± 0.0286	107	0.39	
LC0015	0.171 ± 0.0169	102	0.13	
LC0016	0.187 ± 0.00974	112	0.66	
LC0017	0.169 ± 0.056	101	0.06	
LC0018	0.216 ± 0.0051	129	1.62	
LC0019	0.165 ± 0.04125	98.7	-0.07	
LC0020	0.189 ± 0.0473	113	0.72	
LC0021	0.153 ± 0.0308	91.5	-0.47	

Characteristics of parameter

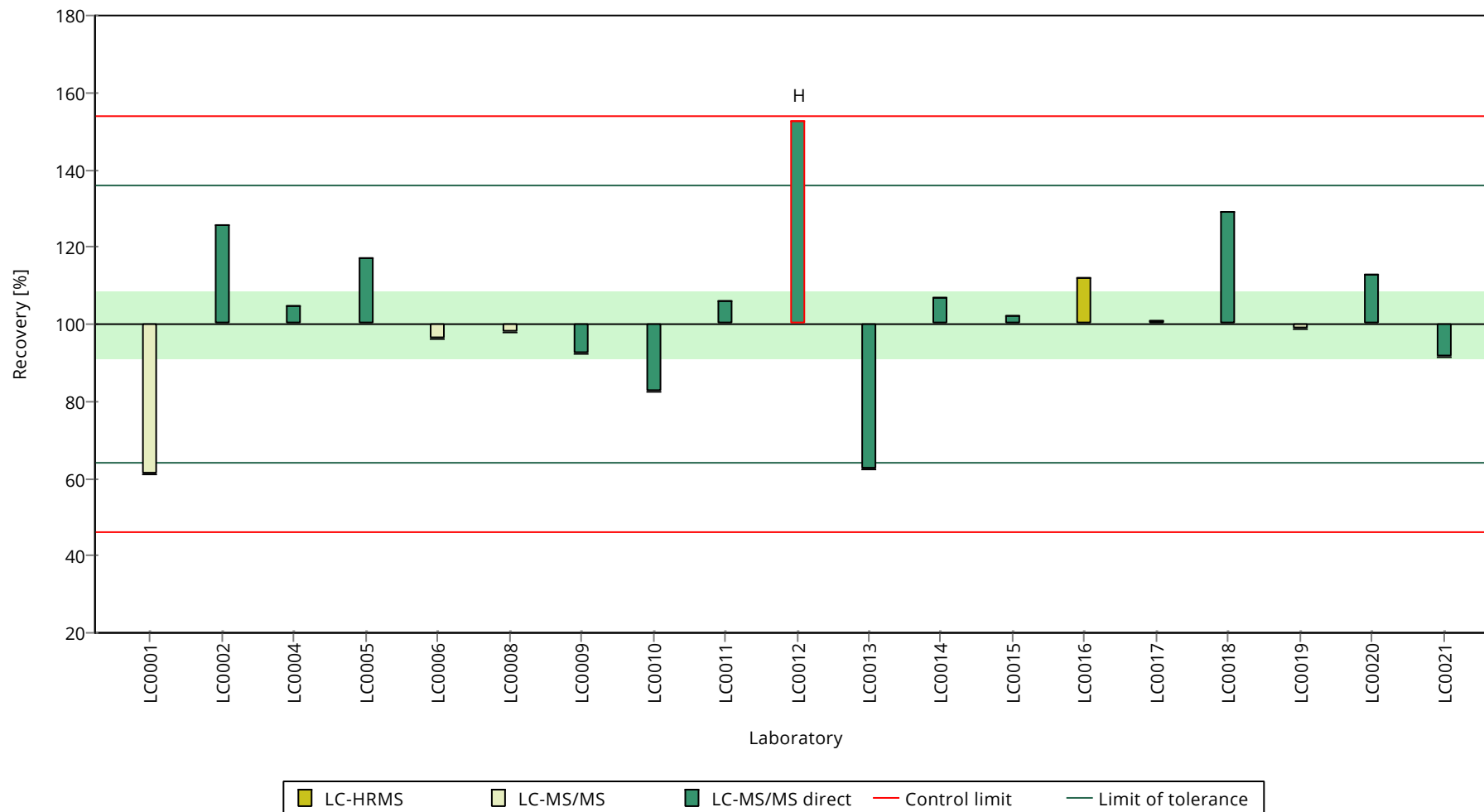
	all results	without outliers	Unit
Mean ± CI (99%)	0.172 ± 0.0246	0.167 ± 0.0215	µg/l
Minimum	0.102	0.102	µg/l
Maximum	0.255	0.216	µg/l
Standard deviation	0.0357	0.0304	µg/l
rel. standard deviation	20.8	18.2	%
n	19	18	-

Graphical presentation of results

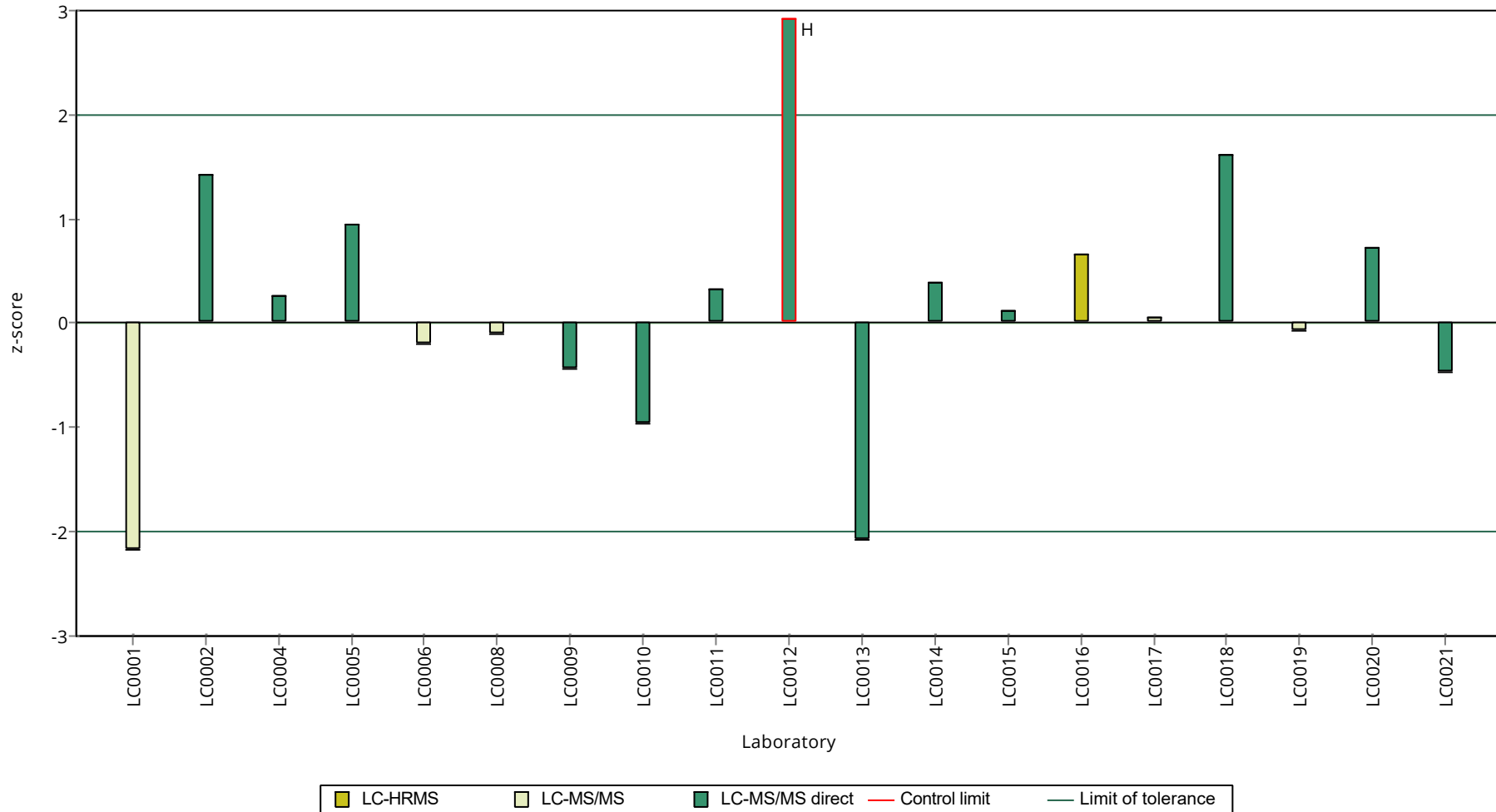
Results



Recovery rate



z-Score



Parameter oriented report

AZ13 B

Carbamazepine

Unit	µg/l
Assigned value ± U (k=2)	0.366 ± 0.0336
Criterion	0.0731 (20 %)
Minimum - Maximum	0.239 - 0.524
Control test value ± U (k=2)	0.432 ± 0.108

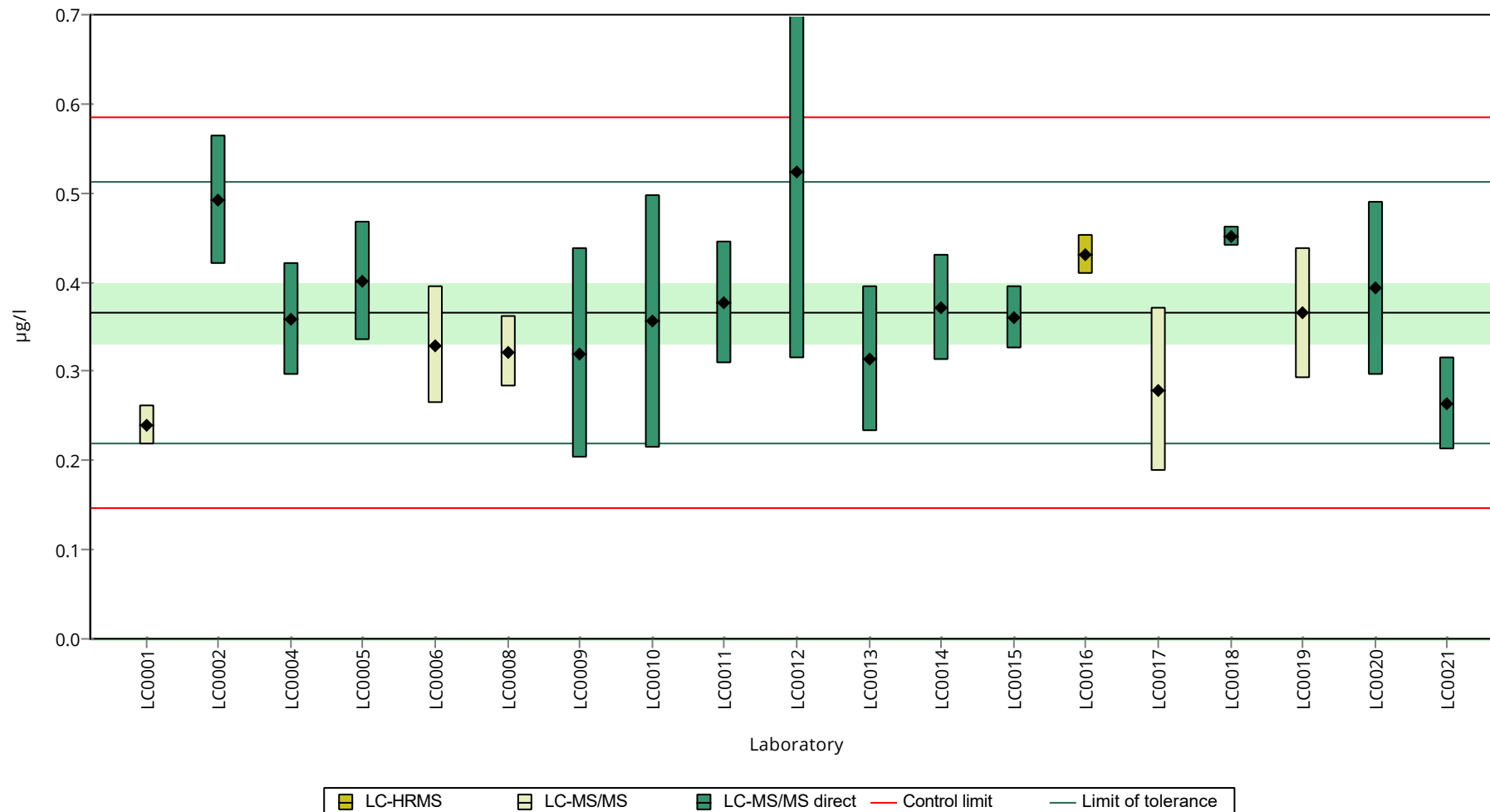
Labcode	Result ± U	Recovery [%]	z-Score	Comments
LC0001	0.2392 ± 0.0226	65.4	-1.73	
LC0002	0.492 ± 0.073	135	1.73	
LC0004	0.359 ± 0.063	98.2	-0.09	
LC0005	0.4018 ± 0.0669	110	0.49	
LC0006	0.329 ± 0.066	90	-0.5	
LC0007	- ± -	-	-	
LC0008	0.322 ± 0.0403	88	-0.6	
LC0009	0.32 ± 0.118	87.5	-0.62	
LC0010	0.356 ± 0.142	97.3	-0.13	
LC0011	0.377 ± 0.068	103	0.15	
LC0012	0.524 ± 0.21	143	2.16	
LC0013	0.3143 ± 0.0817	85.9	-0.7	
LC0014	0.372 ± 0.0595	102	0.09	
LC0015	0.3602 ± 0.0357	98.5	-0.08	
LC0016	0.43 ± 0.0224	118	0.88	
LC0017	0.279 ± 0.092	76.3	-1.19	
LC0018	0.451 ± 0.011	123	1.17	
LC0019	0.365 ± 0.073	99.8	-0.01	
LC0020	0.393 ± 0.098	107	0.37	
LC0021	0.264 ± 0.0521	72.2	-1.39	

Characteristics of parameter

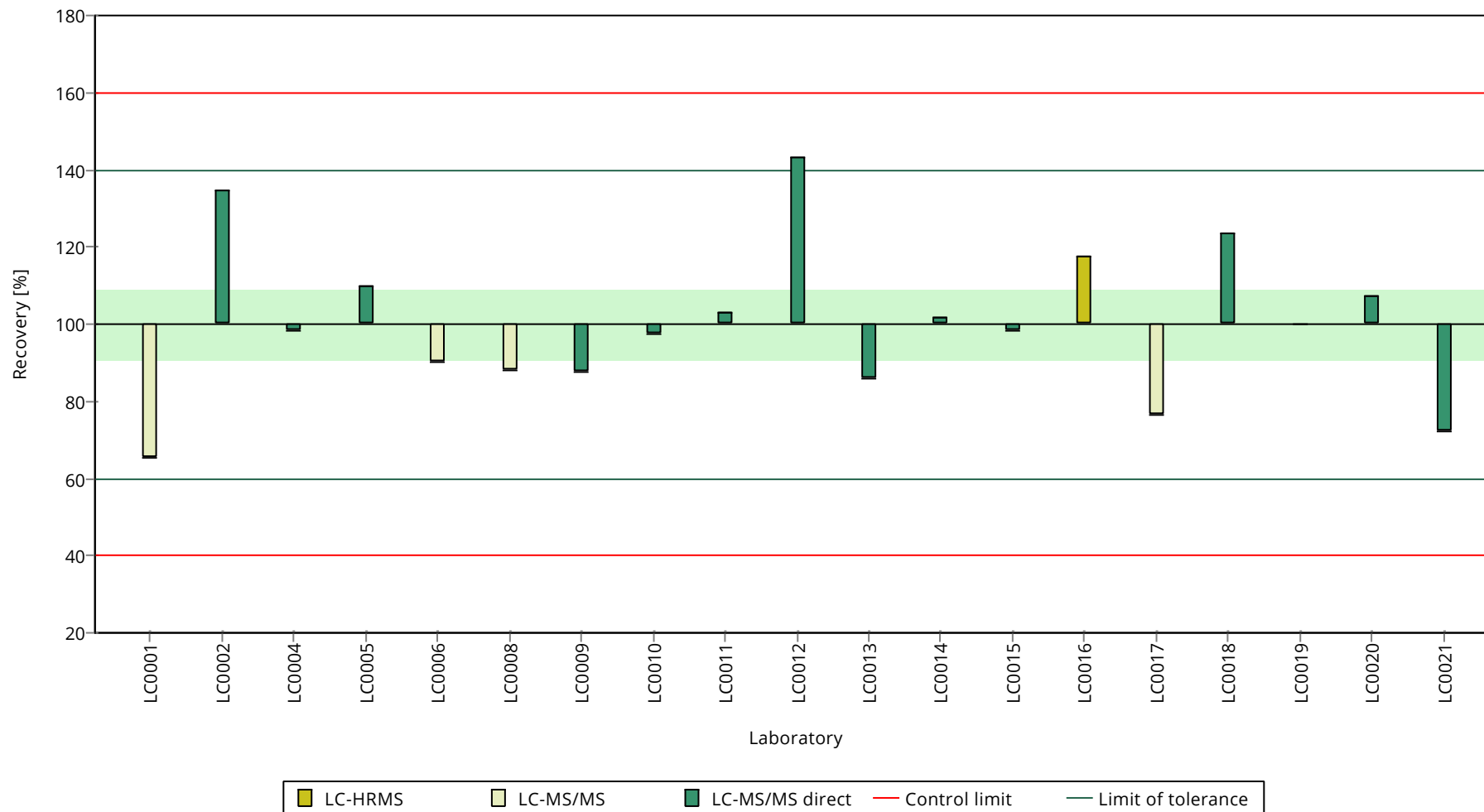
	all results	without outliers	Unit
Mean ± CI (99%)	0.366 ± 0.0504	0.366 ± 0.0504	µg/l
Minimum	0.239	0.239	µg/l
Maximum	0.524	0.524	µg/l
Standard deviation	0.0733	0.0733	µg/l
rel. standard deviation	20	20	%
n	19	19	-

Graphical presentation of results

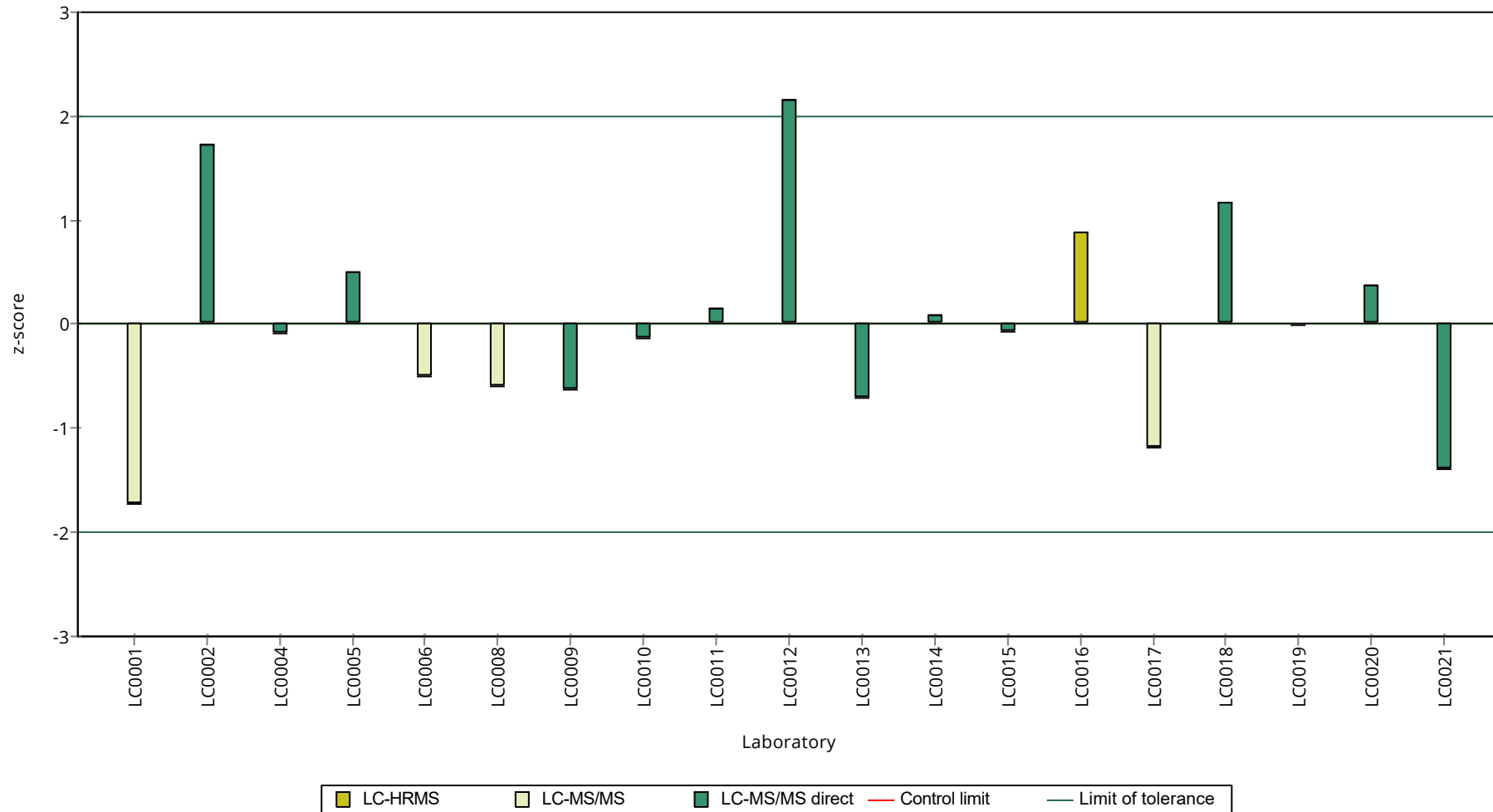
Results



Recovery rate



z-Score



Parameter oriented report

AZ13 A

Cyclamate

Unit	µg/l
Assigned value ± U (k=2)	0.171 ± 0.0189
Criterion	0.0342 (20 %)
Minimum - Maximum	0.11 - 0.217
Control test value ± U (k=2)	0.214 ± 0.0641

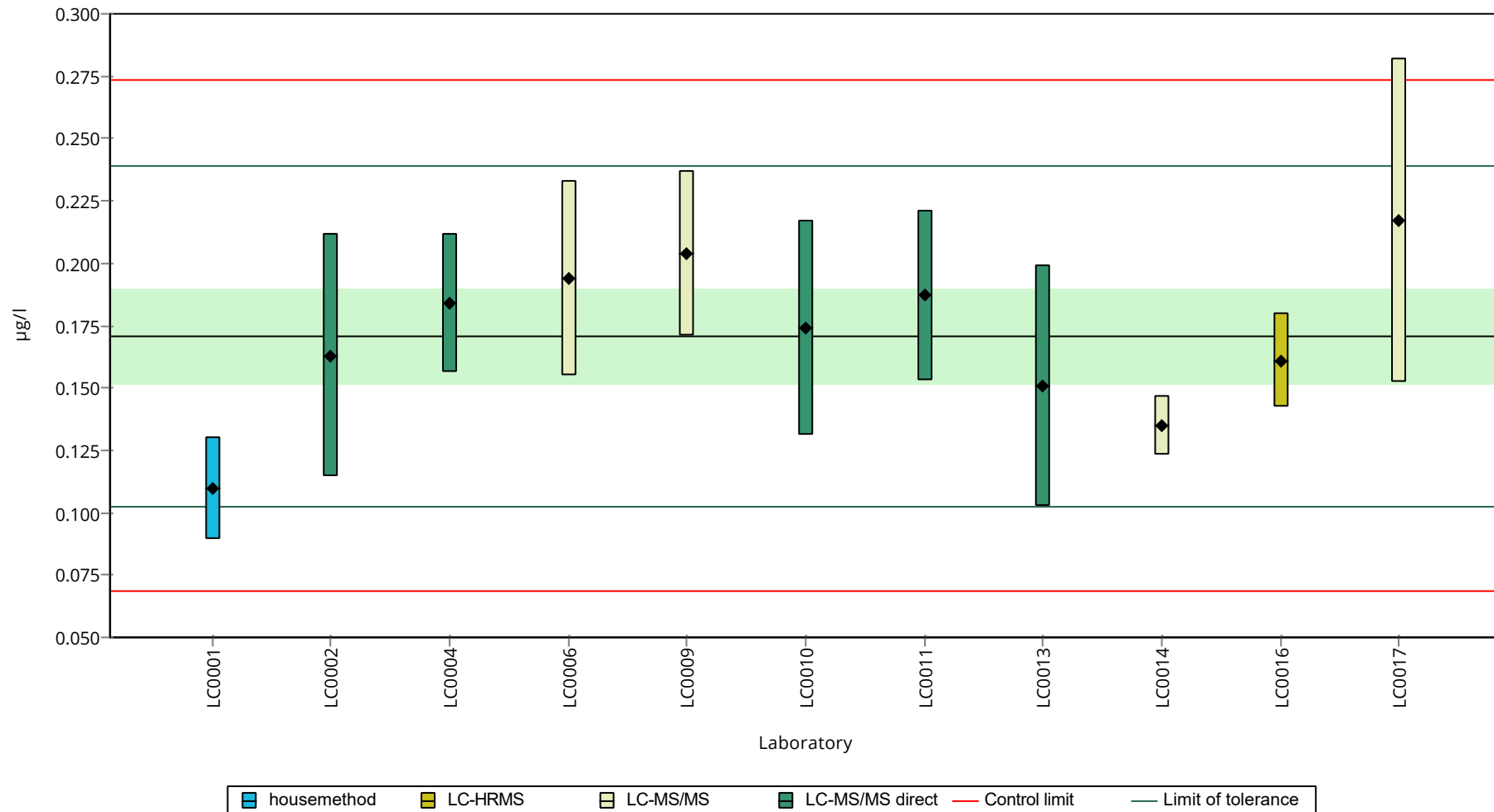
Labcode	Result ± U	Recovery [%]	z-Score	Comments
LC0001	0.1095 ± 0.0205	64.1	-1.8	
LC0002	0.163 ± 0.049	95.4	-0.23	
LC0004	0.184 ± 0.028	108	0.38	
LC0005	- ± -	-	-	
LC0006	0.194 ± 0.039	114	0.68	
LC0007	- ± -	-	-	
LC0008	- ± -	-	-	
LC0009	0.204 ± 0.033	119	0.97	
LC0010	0.174 ± 0.043	102	0.09	
LC0011	0.187 ± 0.034	109	0.47	
LC0012	- ± -	-	-	
LC0013	0.1511 ± 0.0484	88.4	-0.58	
LC0014	0.135 ± 0.0121	79	-1.05	
LC0015	- ± -	-	-	
LC0016	0.161 ± 0.0189	94.2	-0.29	
LC0017	0.217 ± 0.065	127	1.35	
LC0018	- ± -	-	-	
LC0019	- ± -	-	-	
LC0020	- ± -	-	-	
LC0021	- ± -	-	-	

Characteristics of parameter

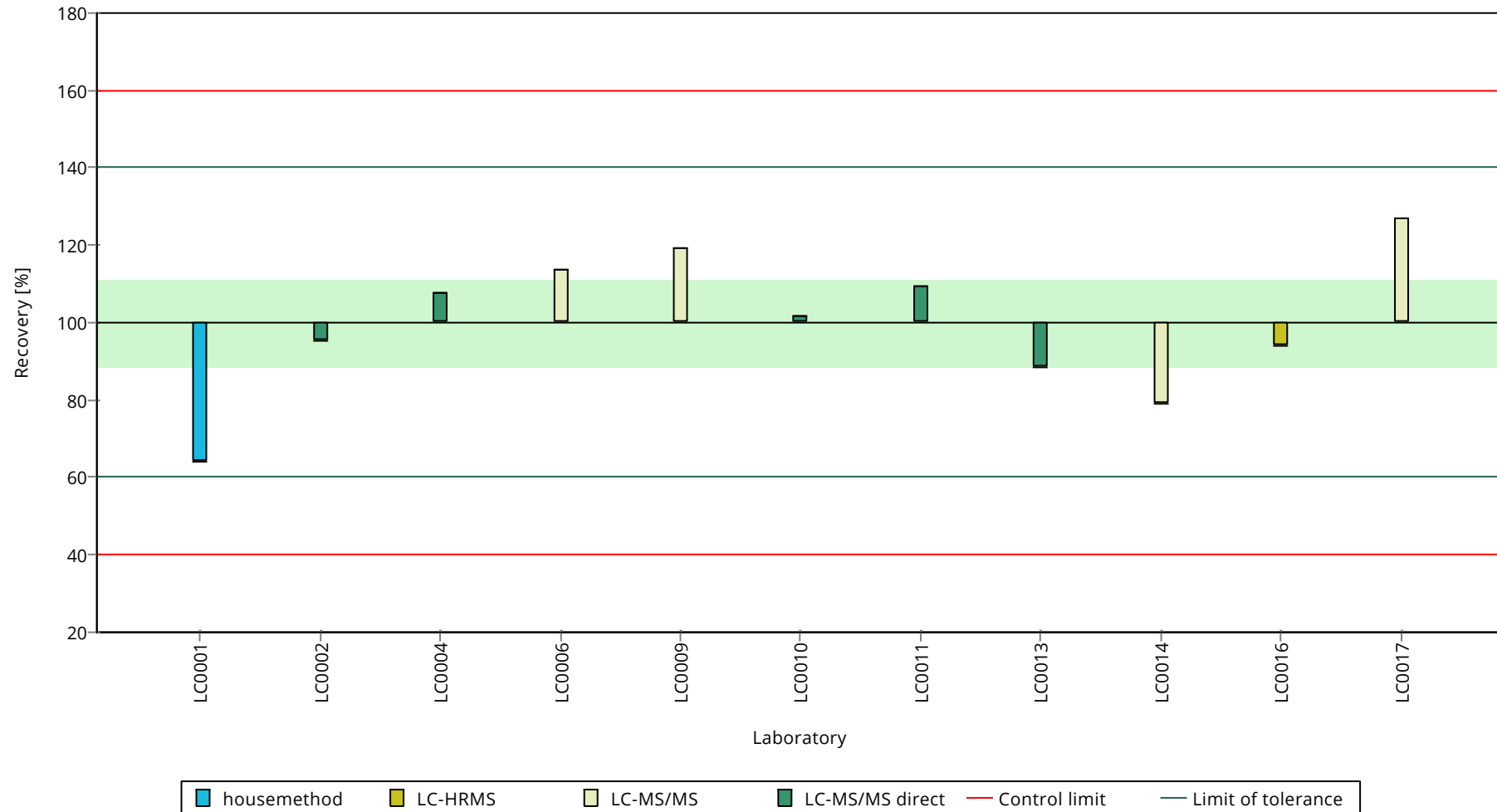
	all results	without outliers	Unit
Mean ± CI (99%)	0.171 ± 0.0283	0.171 ± 0.0283	µg/l
Minimum	0.11	0.11	µg/l
Maximum	0.217	0.217	µg/l
Standard deviation	0.0313	0.0313	µg/l
rel. standard deviation	18.3	18.3	%
n	11	11	-

Graphical presentation of results

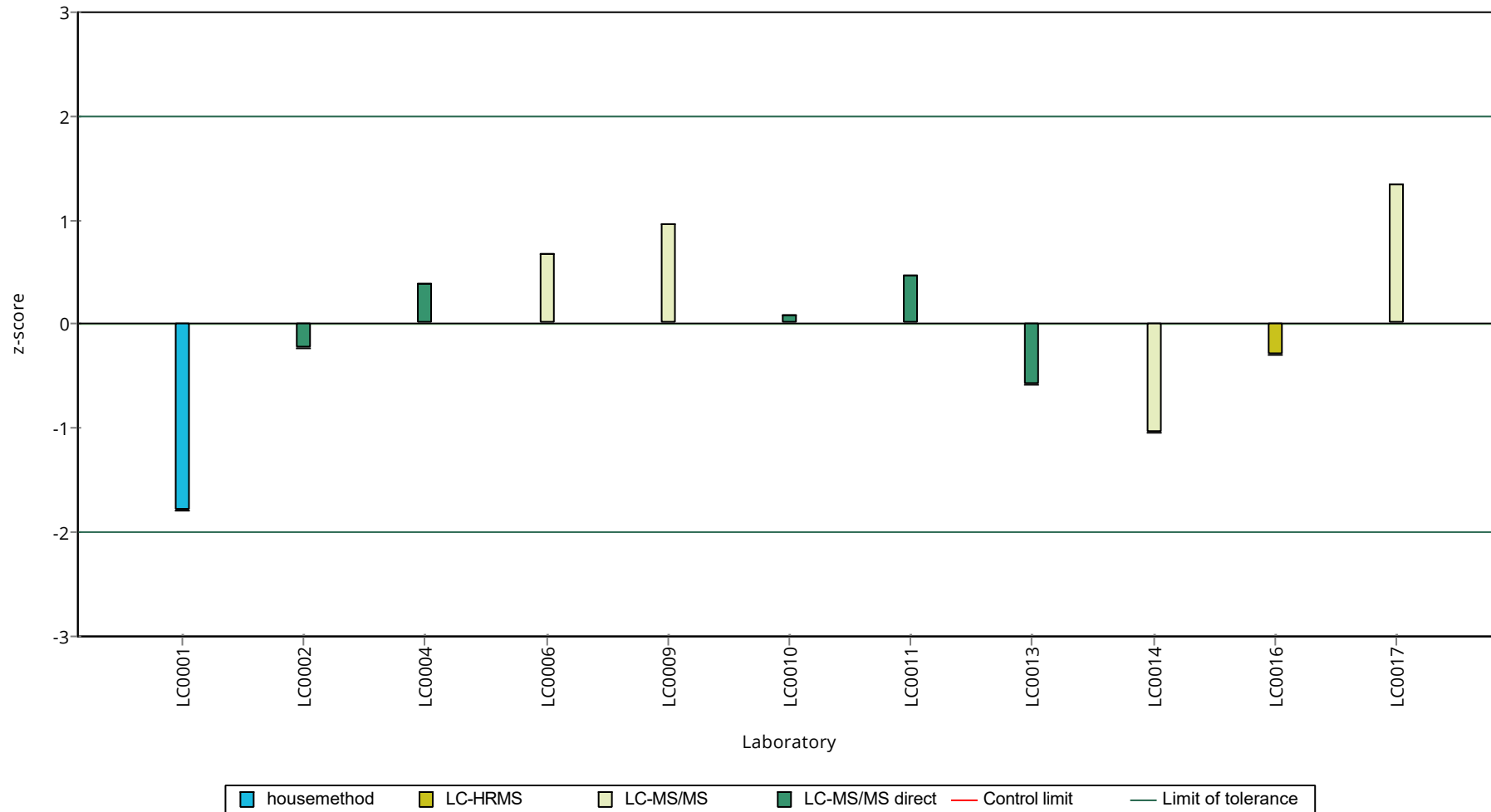
Results



Recovery rate



z-Score



Parameter oriented report

AZ13 B

Cyclamate

Unit	µg/l
Assigned value ± U (k=2)	0.338 ± 0.0312
Criterion	0.0677 (20 %)
Minimum - Maximum	0.26 - 0.414
Control test value ± U (k=2)	0.367 ± 0.11

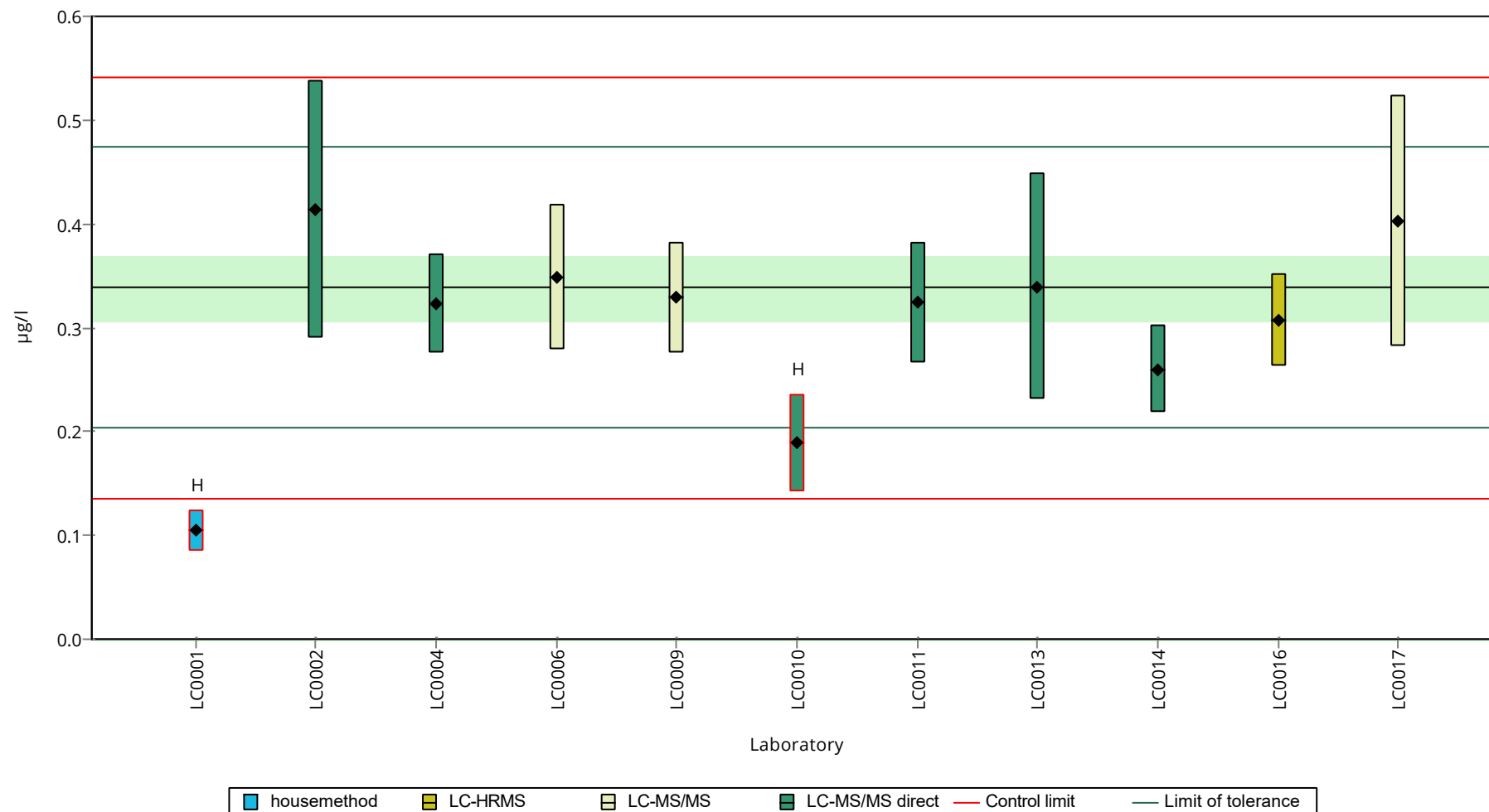
Labcode	Result ± U	Recovery [%]	z-Score	Comments
LC0001	0.1044 ± 0.0195	30.8	-3.46	H
LC0002	0.414 ± 0.124	122	1.12	
LC0004	0.323 ± 0.048	95.4	-0.23	
LC0005	- ± -	-	-	
LC0006	0.348 ± 0.07	103	0.14	
LC0007	- ± -	-	-	
LC0008	- ± -	-	-	
LC0009	0.329 ± 0.053	97.2	-0.14	
LC0010	0.189 ± 0.047	55.8	-2.21	H
LC0011	0.324 ± 0.058	95.7	-0.21	
LC0012	- ± -	-	-	
LC0013	0.3392 ± 0.109	100	0.01	
LC0014	0.26 ± 0.0417	76.8	-1.16	
LC0015	- ± -	-	-	
LC0016	0.307 ± 0.044	90.7	-0.46	
LC0017	0.402 ± 0.121	119	0.94	
LC0018	- ± -	-	-	
LC0019	- ± -	-	-	
LC0020	- ± -	-	-	
LC0021	- ± -	-	-	

Characteristics of parameter

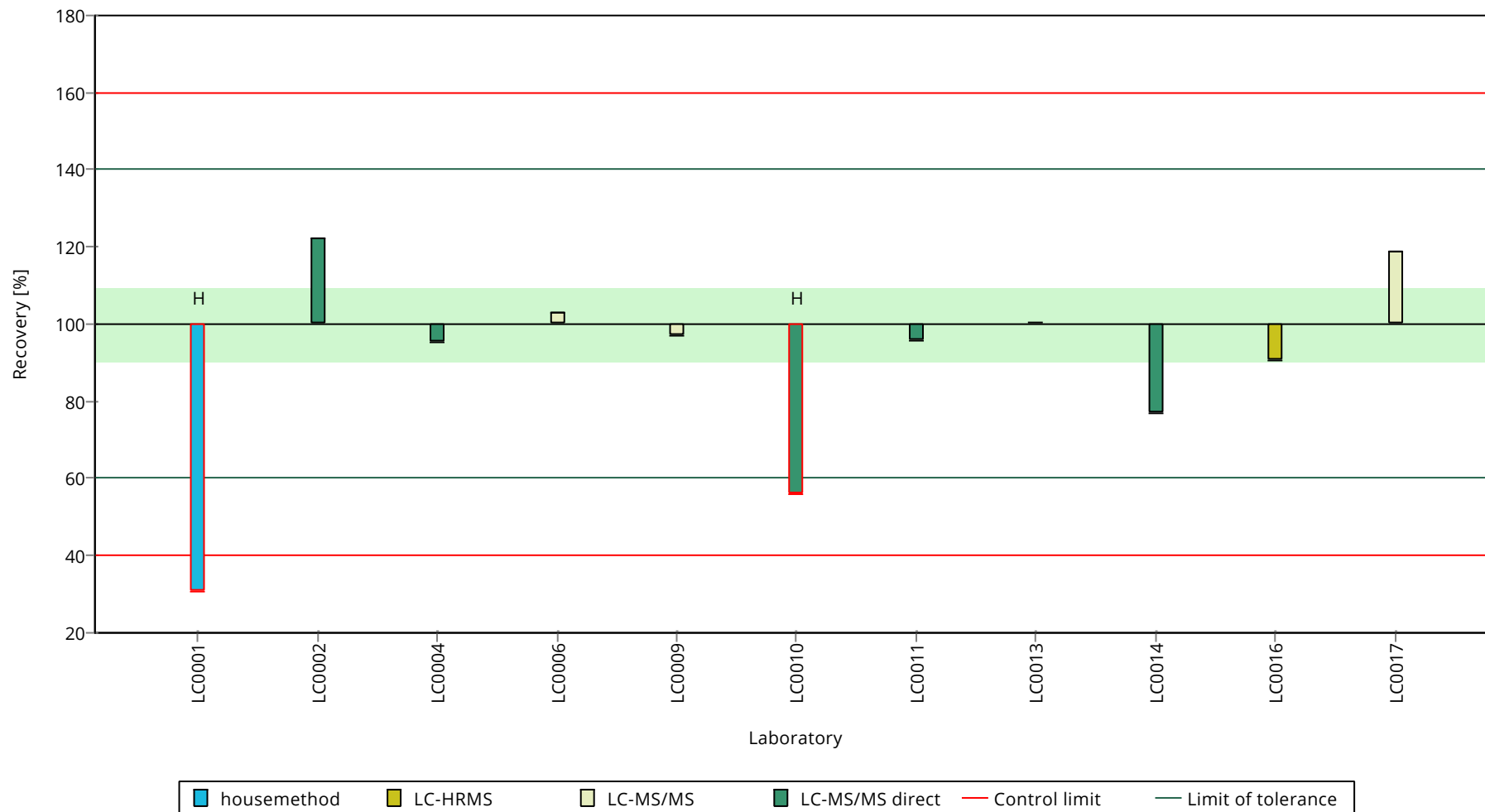
	all results	without outliers	Unit
Mean ± CI (99%)	0.304 ± 0.0815	0.338 ± 0.0468	µg/l
Minimum	0.104	0.26	µg/l
Maximum	0.414	0.414	µg/l
Standard deviation	0.0902	0.0468	µg/l
rel. standard deviation	29.7	13.8	%
n	11	9	-

Graphical presentation of results

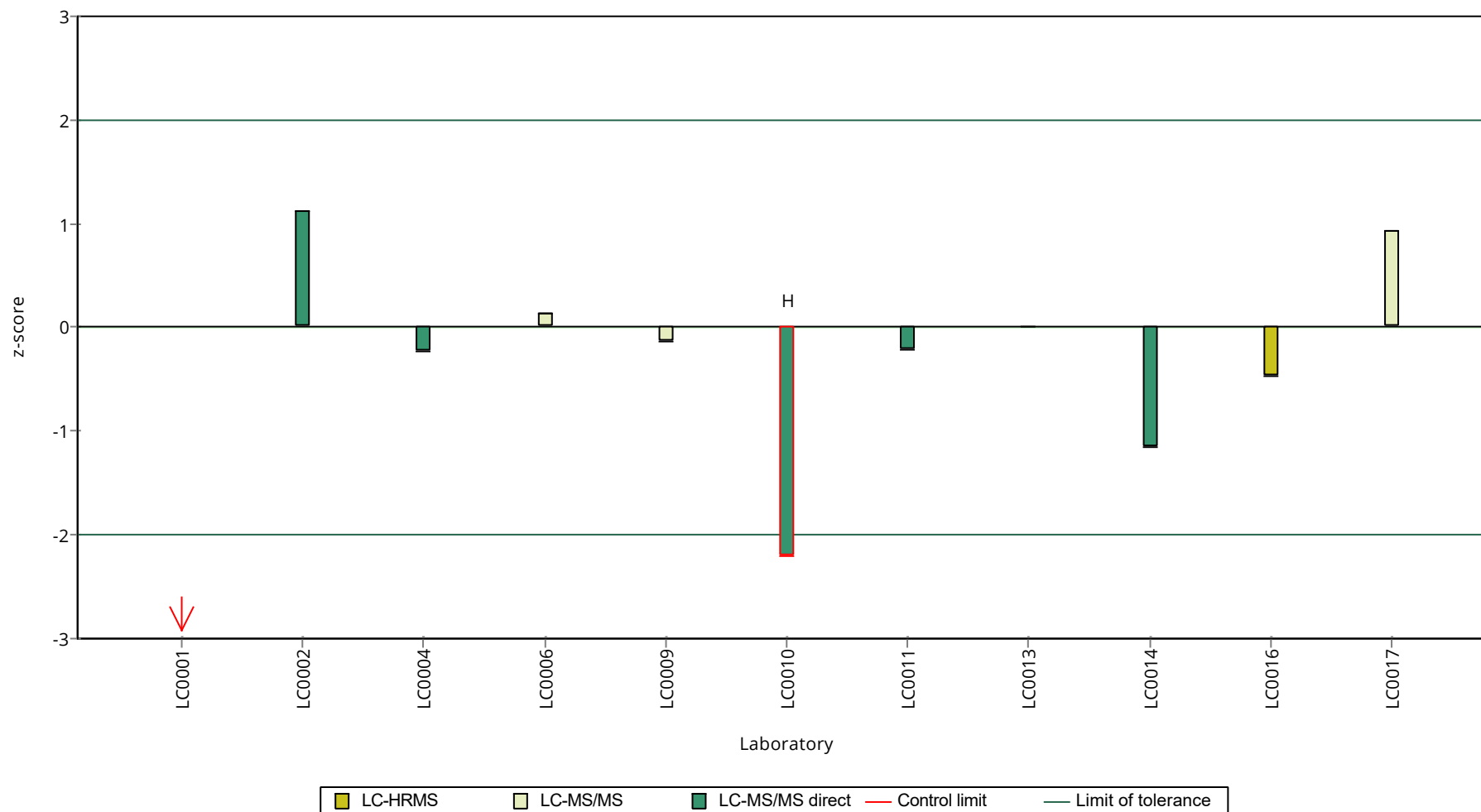
Results



Recovery rate



z-Score



Parameter oriented report

AZ13 A

Diazepam*

Unit $\mu\text{g/l}$
Assigned value $\pm U$ (k=2) -
Criterion -
Minimum - Maximum 0.122 - 0.125
Control test value $\pm U$ (k=2) 0.152 \pm 0.0533

* For this substance there are too few laboratory results available ($n < 6$), therefore the calculated mean value $MV \pm U(k=2)$ based on the data of the (accredited) laboratories (n) after outlier removal is given for information.
This can be used for comparison as part of your internal QA measures.
MV (n=3, accr.) $\pm U(k=2)$: 0.124 \pm 0.00176 $\mu\text{g/l}$

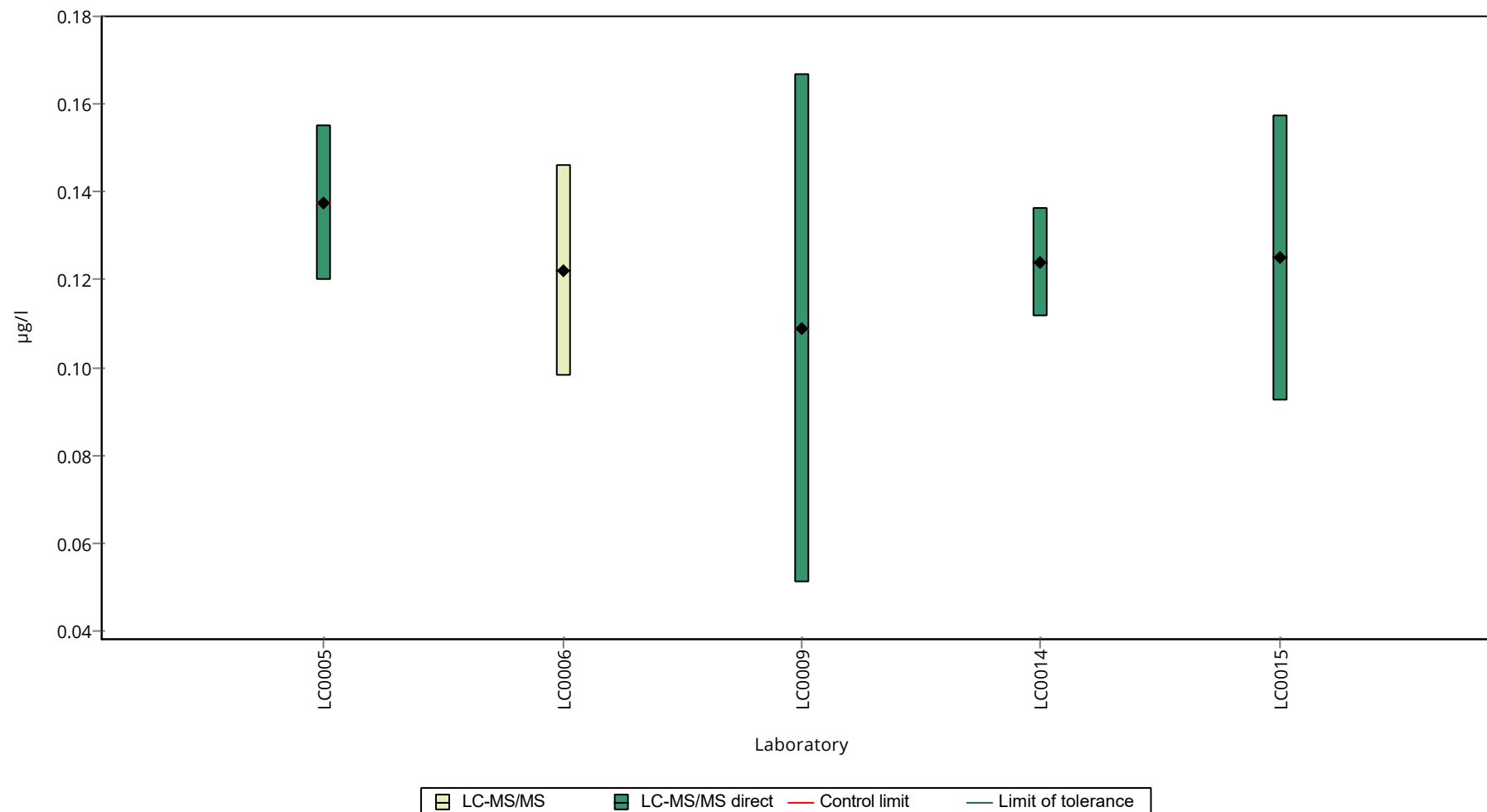
Labcode	Result $\pm U$	Recovery [%]	z-Score	Comments
LC0001	- \pm -	-	-	
LC0002	- \pm -	-	-	
LC0004	- \pm -	-	-	
LC0005	0.1374 \pm 0.0178	-	-	
LC0006	0.122 \pm 0.024	-	-	
LC0007	- \pm -	-	-	
LC0008	- \pm -	-	-	
LC0009	0.109 \pm 0.058	-	-	
LC0010	- \pm -	-	-	
LC0011	- \pm -	-	-	
LC0012	- \pm -	-	-	
LC0013	- \pm -	-	-	
LC0014	0.124 \pm 0.0124	-	-	
LC0015	0.125 \pm 0.0326	-	-	
LC0016	- \pm -	-	-	
LC0017	- \pm -	-	-	
LC0018	- \pm -	-	-	
LC0019	- \pm -	-	-	
LC0020	- \pm -	-	-	
LC0021	- \pm -	-	-	

Characteristics of parameter

	all results	without outliers	Unit
Mean \pm CI (99%)	0.123 \pm 0.0136	-	$\mu\text{g/l}$
Minimum	0.109	0.109	$\mu\text{g/l}$
Maximum	0.137	0.137	$\mu\text{g/l}$
Standard deviation	0.0101	-	$\mu\text{g/l}$
rel. standard deviation	8.18	-	%
n	5	5	-

Graphical presentation of results

Results



Parameter oriented report

AZ13 B

Diazepam*

Unit	µg/l
Assigned value ± U (k=2)	-
Criterion	-
Minimum - Maximum	1.06 - 1.33
Control test value ± U (k=2)	1.45 ± 0.508

* For this substance there are too few laboratory results available (n<6), therefore the calculated mean value MV±/ - U(k=2) based on the data of the (accredited) laboratories (n) after outlier removal is given for information.
This can be used for comparison as part of your internal QA measures.
MV (n=4, accr.) +/- U(k=2): 1.16 +/- 0.0722 µg/l

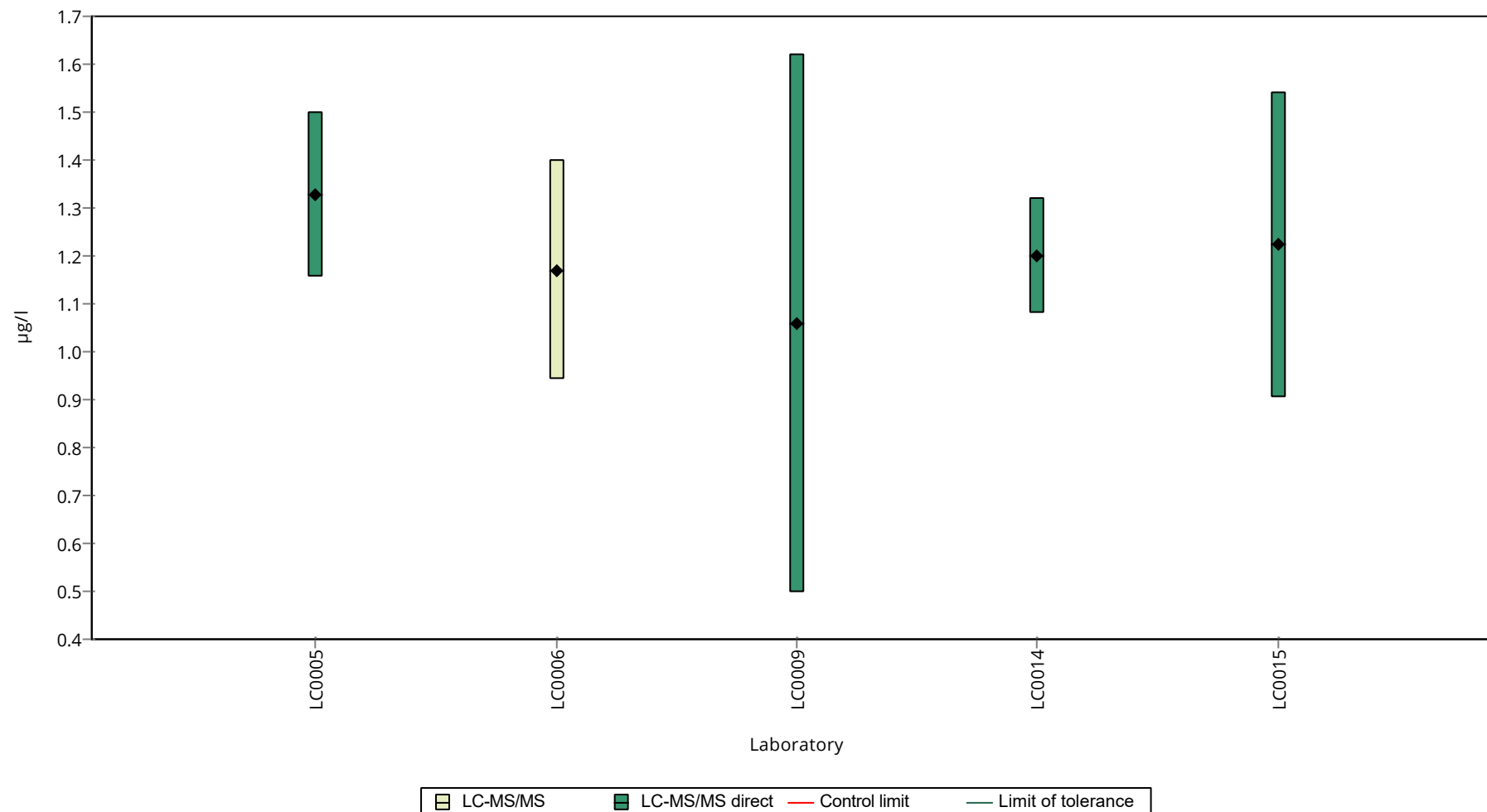
Labcode	Result ± U	Recovery [%]	z-Score	Comments
LC0001	- ± -	-	-	
LC0002	- ± -	-	-	
LC0004	- ± -	-	-	
LC0005	1.328 ± 0.172	-	-	
LC0006	1.17 ± 0.23	-	-	
LC0007	- ± -	-	-	
LC0008	- ± -	-	-	
LC0009	1.06 ± 0.562	-	-	
LC0010	- ± -	-	-	
LC0011	- ± -	-	-	
LC0012	- ± -	-	-	
LC0013	- ± -	-	-	
LC0014	1.2 ± 0.12	-	-	
LC0015	1.223 ± 0.3192	-	-	
LC0016	- ± -	-	-	
LC0017	- ± -	-	-	
LC0018	- ± -	-	-	
LC0019	- ± -	-	-	
LC0020	- ± -	-	-	
LC0021	- ± -	-	-	

Characteristics of parameter

	all results	without outliers	Unit
Mean ± CI (99%)	1.2 ± 0.13	-	µg/l
Minimum	1.06	1.06	µg/l
Maximum	1.33	1.33	µg/l
Standard deviation	0.0966	-	µg/l
rel. standard deviation	8.08	-	%
n	5	5	-

Graphical presentation of results

Results



Parameter oriented report

AZ13 A

Diclofenac

Unit	µg/l
Assigned value ± U (k=2)	0.175 ± 0.00654
Criterion	0.0245 (14 %)
Minimum - Maximum	0.151 - 0.195
Control test value ± U (k=2)	0.203 ± 0.0812

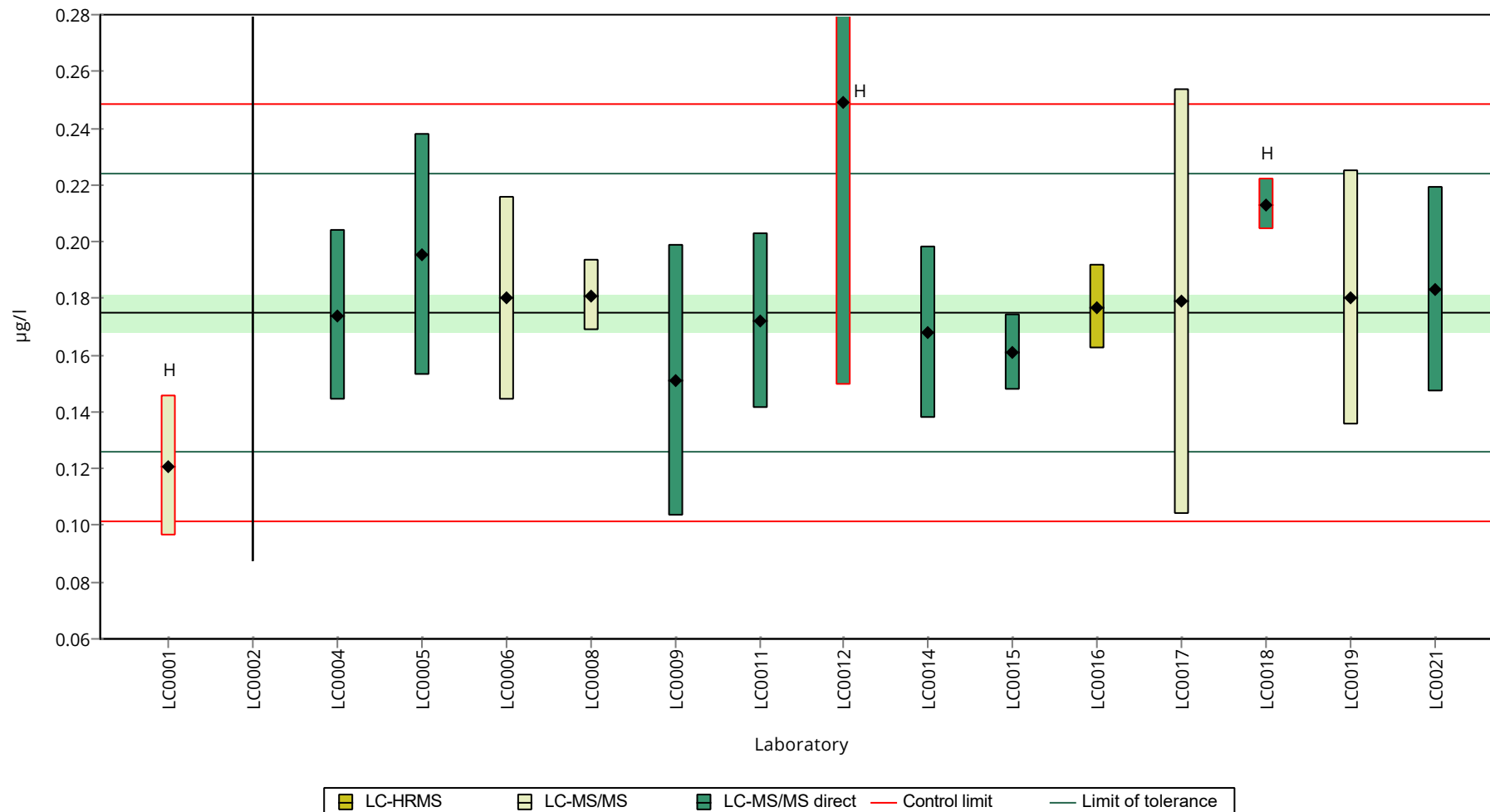
Labcode	Result ± U	Recovery [%]	z-Score	Comments
LC0001	0.1209 ± 0.0249	69	-2.21	H
LC0002	<20 (LOD) ± -	-	-	
LC0004	0.174 ± 0.03	99.4	-0.05	
LC0005	0.1953 ± 0.0428	112	0.82	
LC0006	0.18 ± 0.036	103	0.2	
LC0007	- ± -	-	-	
LC0008	0.181 ± 0.0127	103	0.24	
LC0009	0.151 ± 0.048	86.2	-0.98	
LC0010	- ± -	-	-	
LC0011	0.172 ± 0.031	98.2	-0.13	
LC0012	0.249 ± 0.1	142	3.01	H
LC0013	- ± -	-	-	
LC0014	0.168 ± 0.0303	95.9	-0.29	
LC0015	0.161 ± 0.0135	91.9	-0.58	
LC0016	0.177 ± 0.0149	101	0.08	
LC0017	0.179 ± 0.075	102	0.16	
LC0018	0.213 ± 0.0091	122	1.55	H
LC0019	0.18 ± 0.045	103	0.2	
LC0020	- ± -	-	-	
LC0021	0.183 ± 0.0361	105	0.32	

Characteristics of parameter

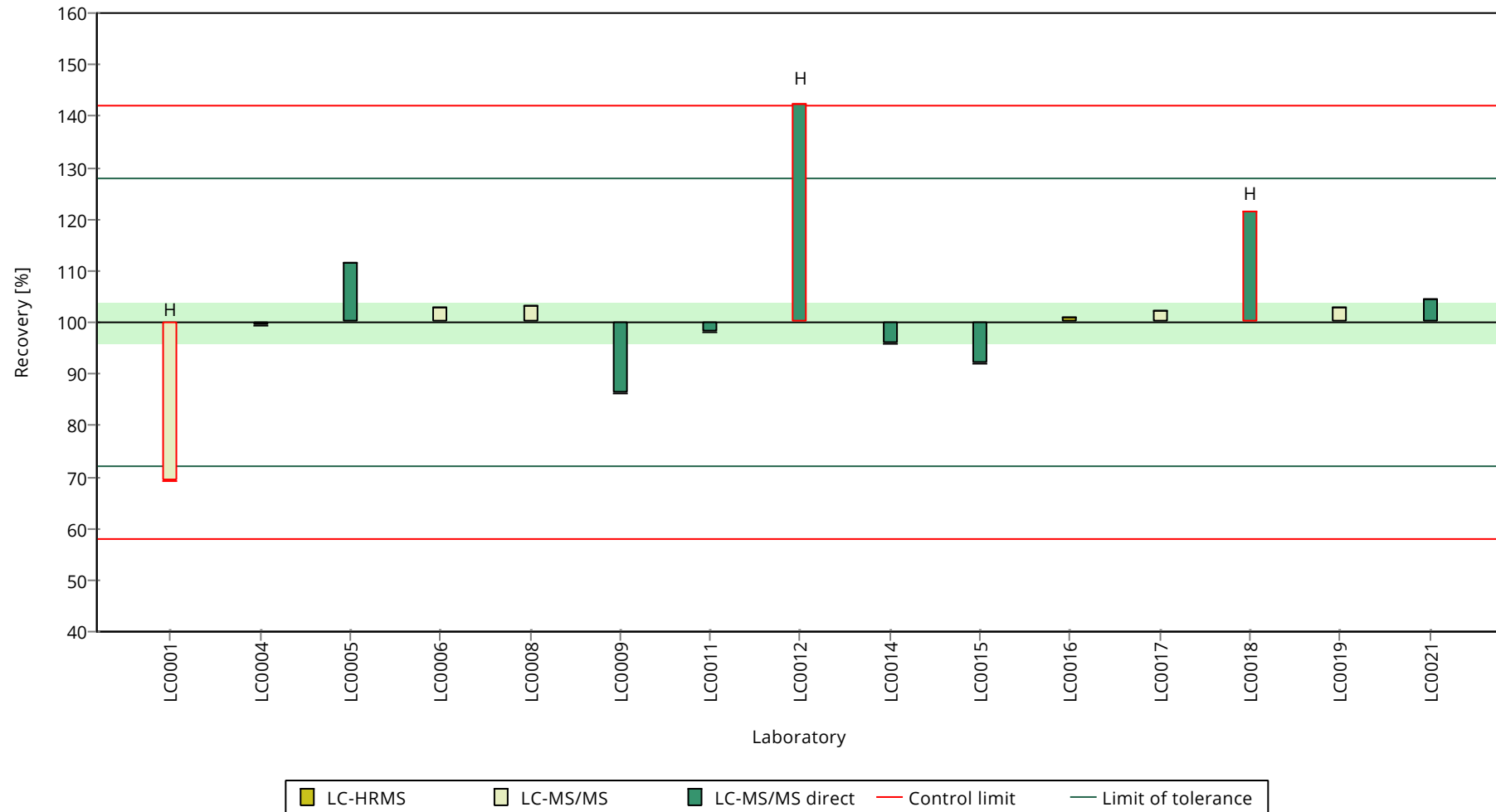
	all results	without outliers	Unit
Mean ± CI (99%)	0.179 ± 0.0217	0.175 ± 0.00982	µg/l
Minimum	0.121	0.151	µg/l
Maximum	0.249	0.195	µg/l
Standard deviation	0.0281	0.0113	µg/l
rel. standard deviation	15.7	6.47	%
n	15	12	-

Graphical presentation of results

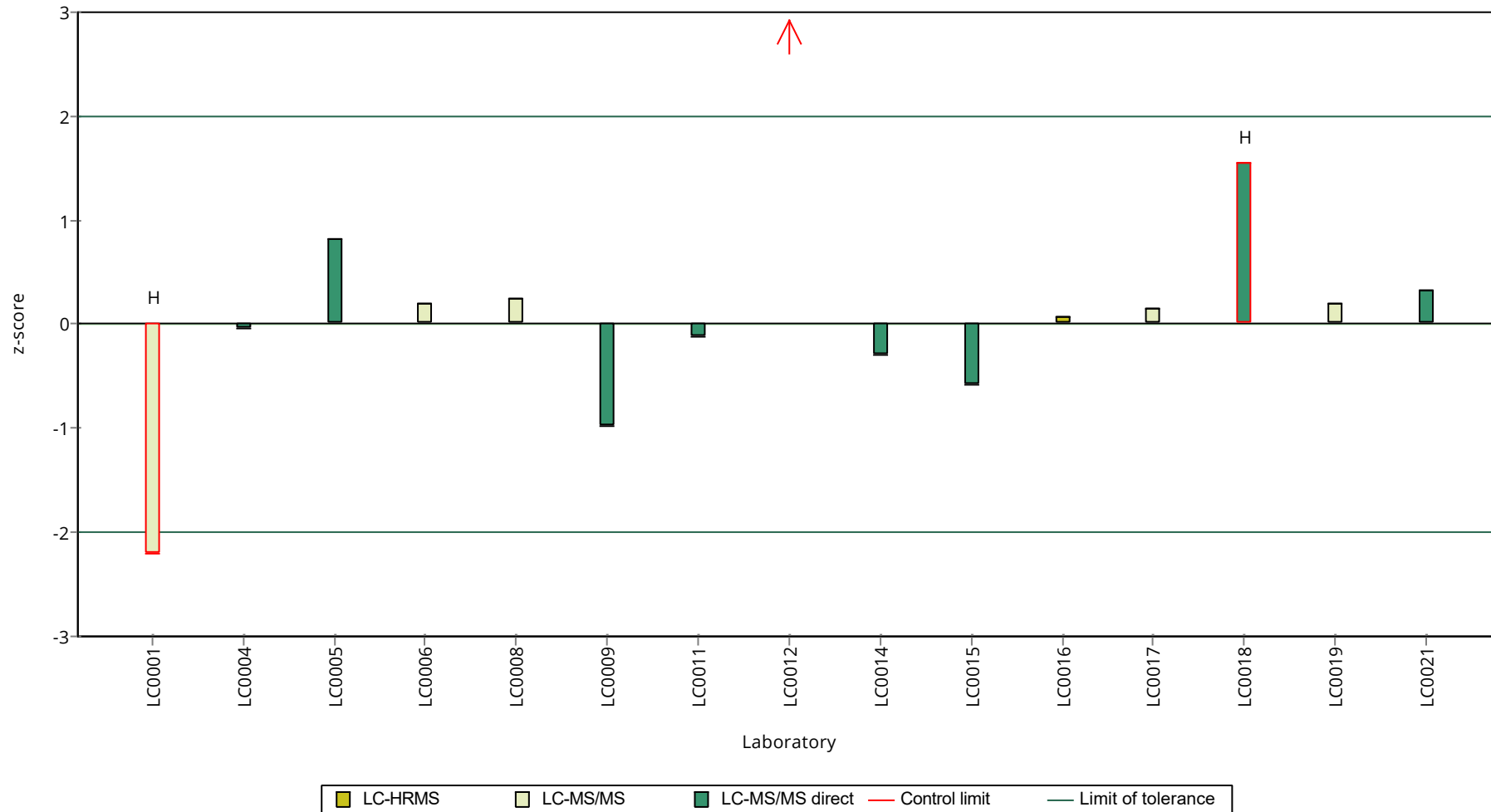
Results



Recovery rate



z-Score



Parameter oriented report

AZ13 B

Diclofenac

Unit	µg/l
Assigned value ± U (k=2)	2.76 ± 0.161
Criterion	0.387 (14 %)
Minimum - Maximum	2.09 - 3.29
Control test value ± U (k=2)	4.28 ± 1.71

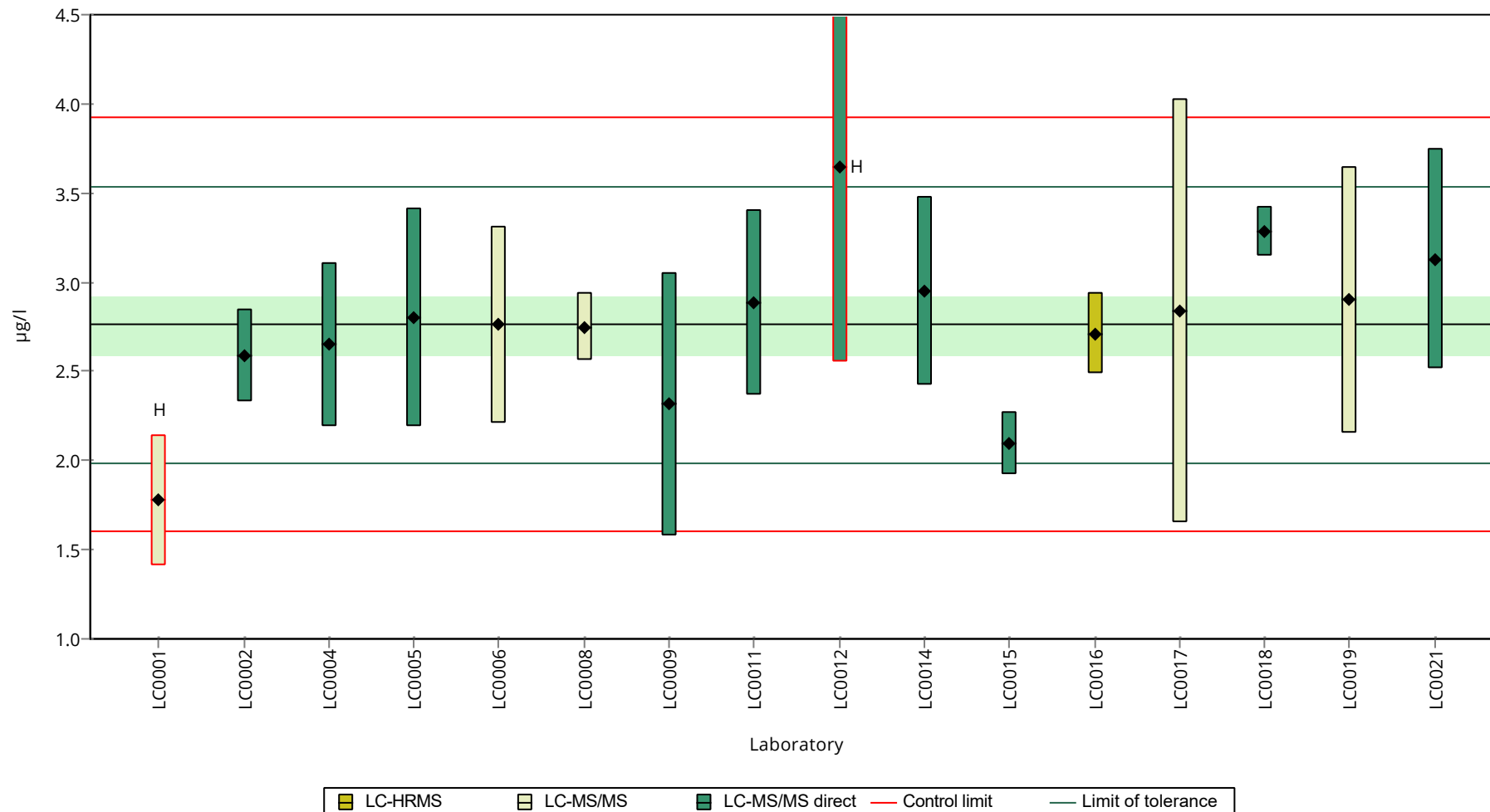
Labcode	Result ± U	Recovery [%]	z-Score	Comments
LC0001	1.7754 ± 0.3647	64.3	-2.55	H
LC0002	2.59 ± 0.259	93.8	-0.44	
LC0004	2.65 ± 0.46	96	-0.29	
LC0005	2.803 ± 0.6139	101	0.11	
LC0006	2.76 ± 0.55	99.9	0.00	
LC0007	- ± -	-	-	
LC0008	2.75 ± 0.1925	99.6	-0.03	
LC0009	2.315 ± 0.741	83.8	-1.16	
LC0010	- ± -	-	-	
LC0011	2.887 ± 0.52	105	0.32	
LC0012	3.647 ± 1.094	132	2.29	H
LC0013	- ± -	-	-	
LC0014	2.95 ± 0.5314	107	0.49	
LC0015	2.093 ± 0.1758	75.8	-1.73	
LC0016	2.71 ± 0.229	98.1	-0.13	
LC0017	2.84 ± 1.19	103	0.2	
LC0018	3.285 ± 0.141	119	1.35	
LC0019	2.9 ± 0.75	105	0.36	
LC0020	- ± -	-	-	
LC0021	3.13 ± 0.618	113	0.95	

Characteristics of parameter

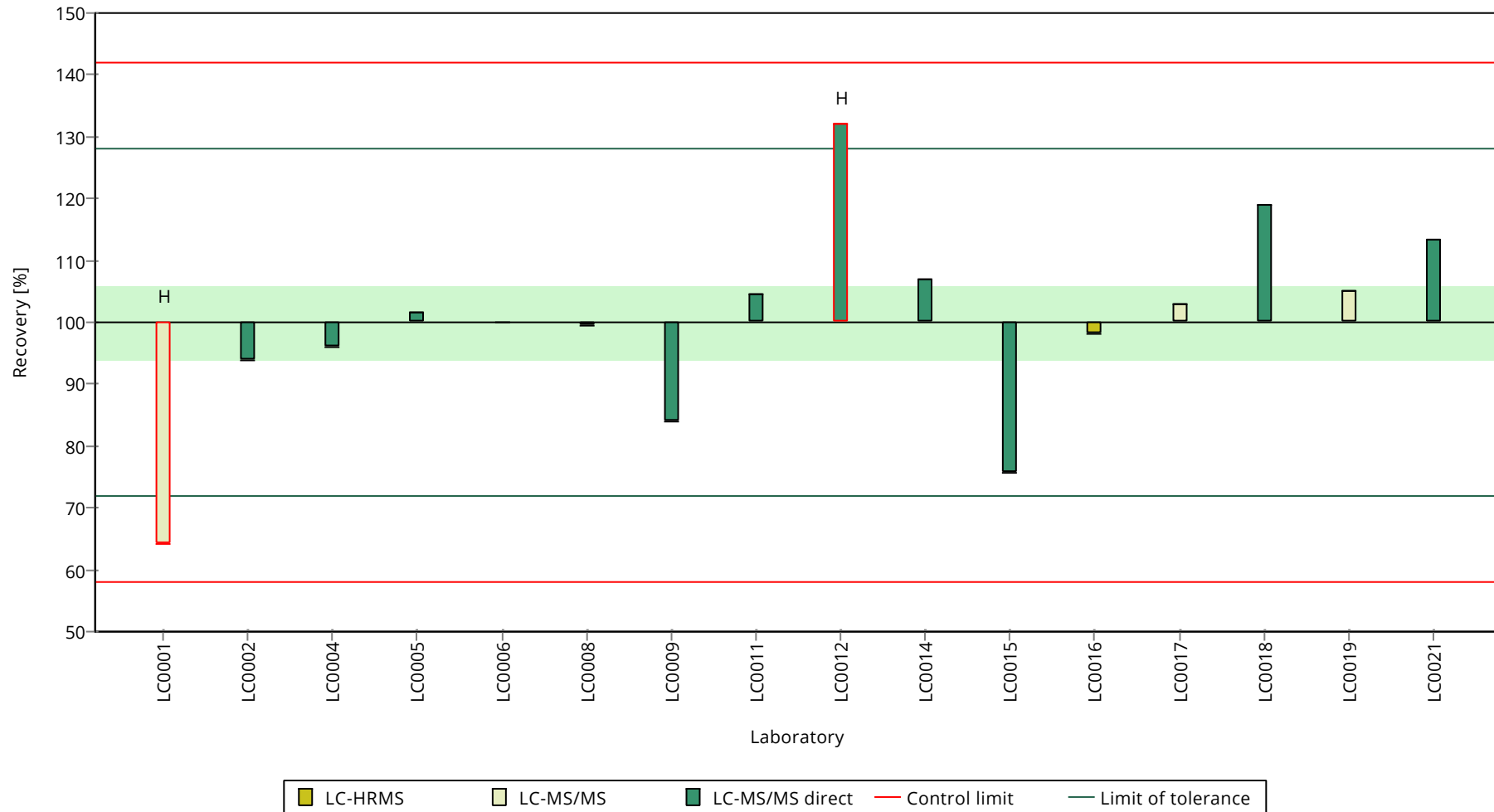
	all results	without outliers	Unit
Mean ± CI (99%)	2.76 ± 0.332	2.76 ± 0.241	µg/l
Minimum	1.78	2.09	µg/l
Maximum	3.65	3.29	µg/l
Standard deviation	0.442	0.301	µg/l
rel. standard deviation	16.1	10.9	%
n	16	14	-

Graphical presentation of results

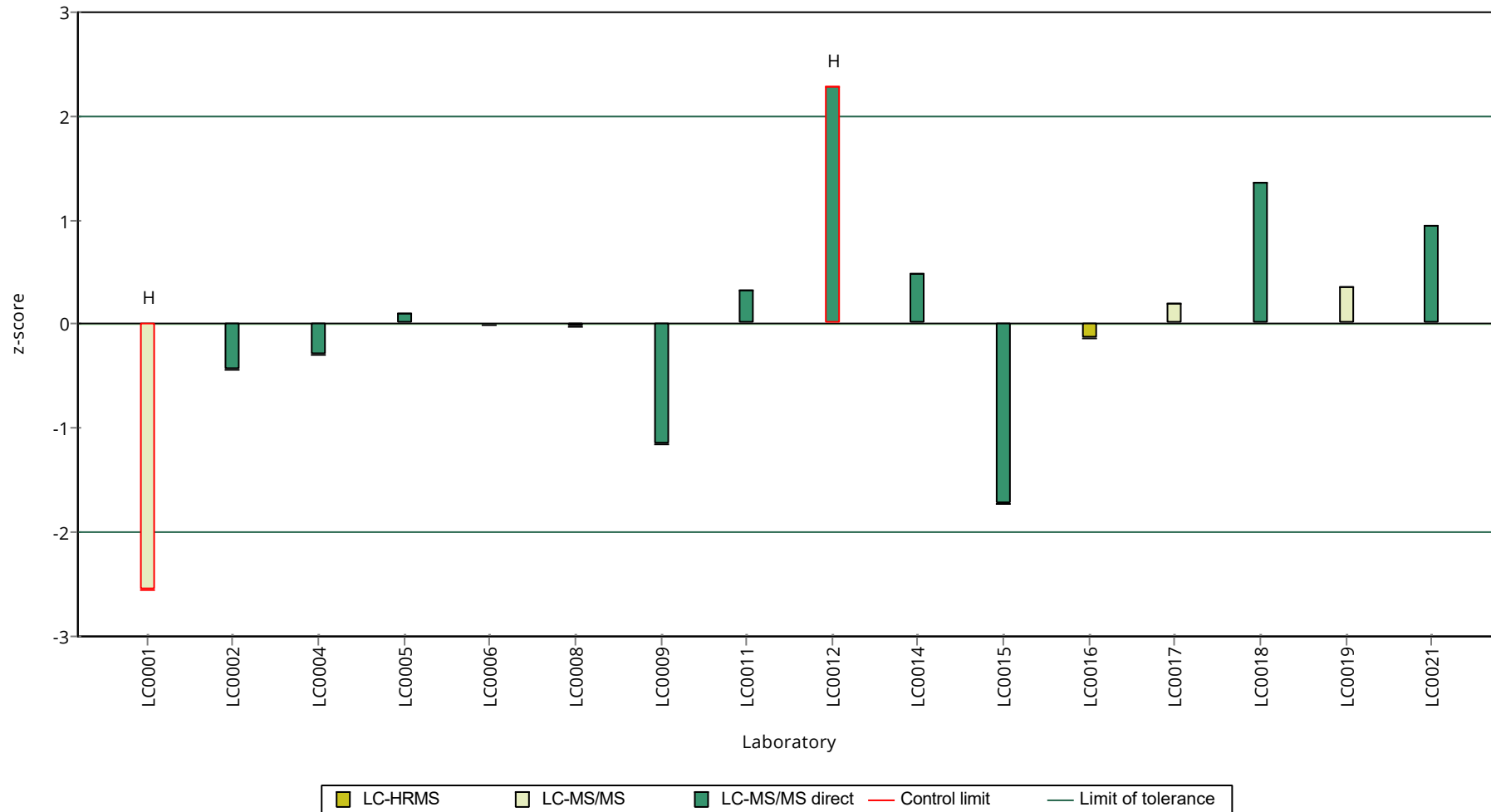
Results



Recovery rate



z-Score



Parameter oriented report

AZ13 A

Ibuprofen

Unit	µg/l
Assigned value ± U (k=2)	0.258 ± 0.0363
Criterion	0.0645 (25 %)
Minimum - Maximum	0.152 - 0.399
Control test value ± U (k=2)	0.271 ± 0.0948

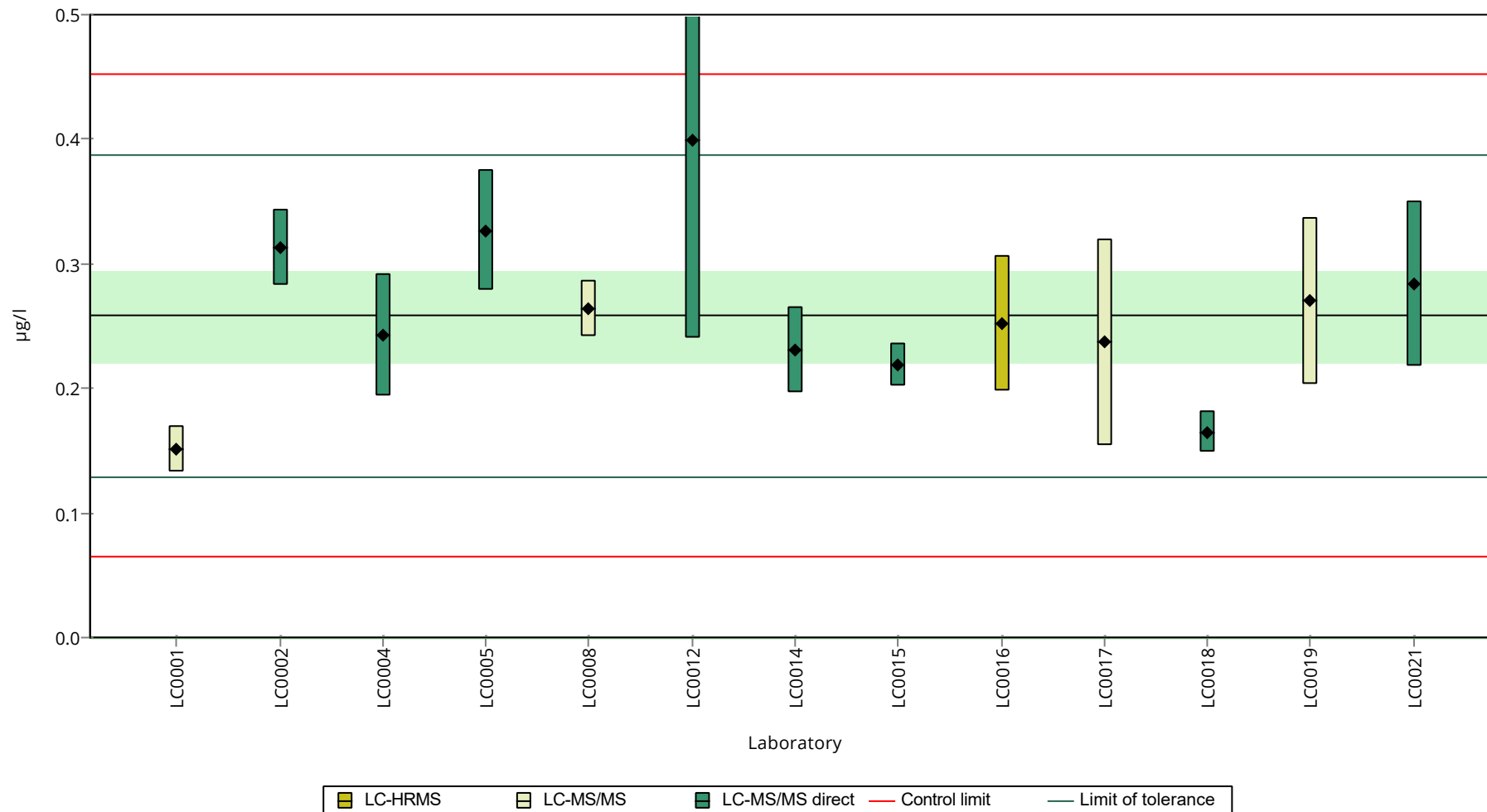
Labcode	Result ± U	Recovery [%]	z-Score	Comments
LC0001	0.1515 ± 0.0184	58.7	-1.65	
LC0002	0.313 ± 0.031	121	0.85	
LC0004	0.243 ± 0.049	94.2	-0.23	
LC0005	0.3267 ± 0.0483	127	1.06	
LC0006	- ± -	-	-	
LC0007	- ± -	-	-	
LC0008	0.264 ± 0.0224	102	0.09	
LC0009	- ± -	-	-	
LC0010	- ± -	-	-	
LC0011	- ± -	-	-	
LC0012	0.399 ± 0.159	155	2.18	
LC0013	- ± -	-	-	
LC0014	0.231 ± 0.0346	89.5	-0.42	
LC0015	0.219 ± 0.0173	84.9	-0.61	
LC0016	0.252 ± 0.0538	97.6	-0.09	
LC0017	0.237 ± 0.083	91.8	-0.33	
LC0018	0.165 ± 0.017	63.9	-1.44	
LC0019	0.27 ± 0.0675	105	0.18	
LC0020	- ± -	-	-	
LC0021	0.284 ± 0.0661	110	0.4	

Characteristics of parameter

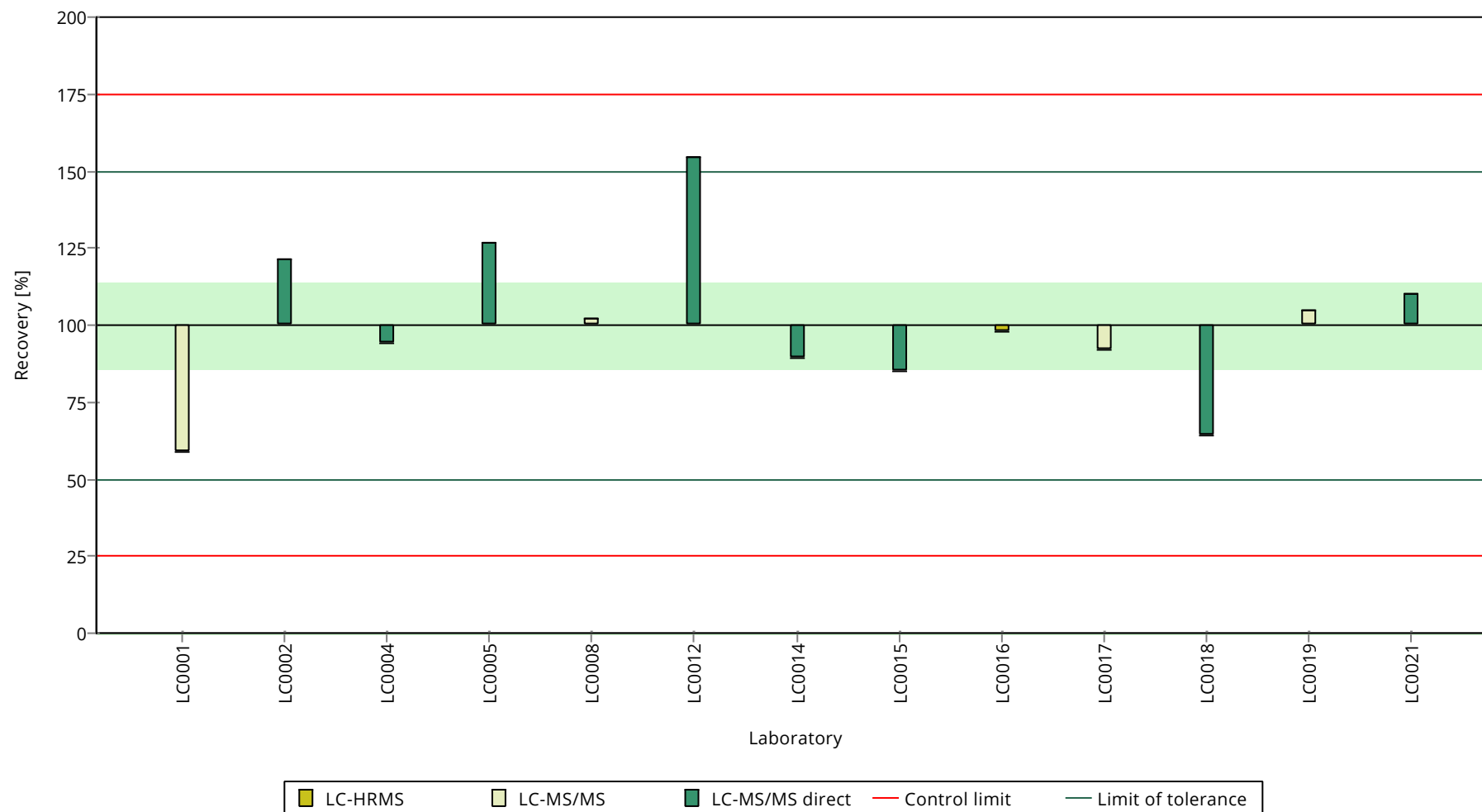
	all results	without outliers	Unit
Mean ± CI (99%)	0.258 ± 0.0545	0.258 ± 0.0545	µg/l
Minimum	0.152	0.152	µg/l
Maximum	0.399	0.399	µg/l
Standard deviation	0.0655	0.0655	µg/l
rel. standard deviation	25.4	25.4	%
n	13	13	-

Graphical presentation of results

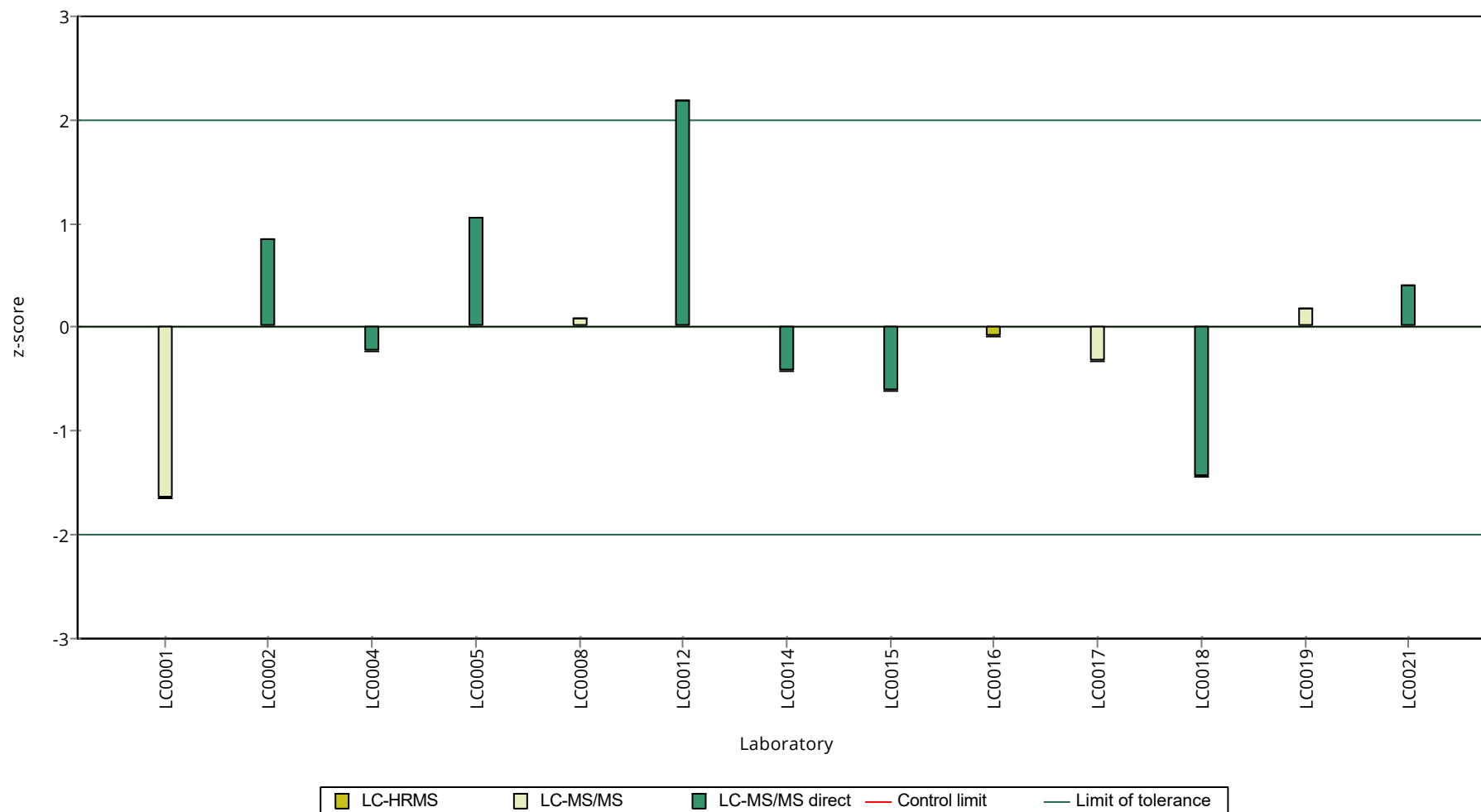
Results



Recovery rate



z-Score



Parameter oriented report

AZ13 B

Ibuprofen

Unit	µg/l
Assigned value ± U (k=2)	0.688 ± 0.102
Criterion	0.179 (26 %)
Minimum - Maximum	0.336 - 0.997
Control test value ± U (k=2)	1.03 ± 0.361

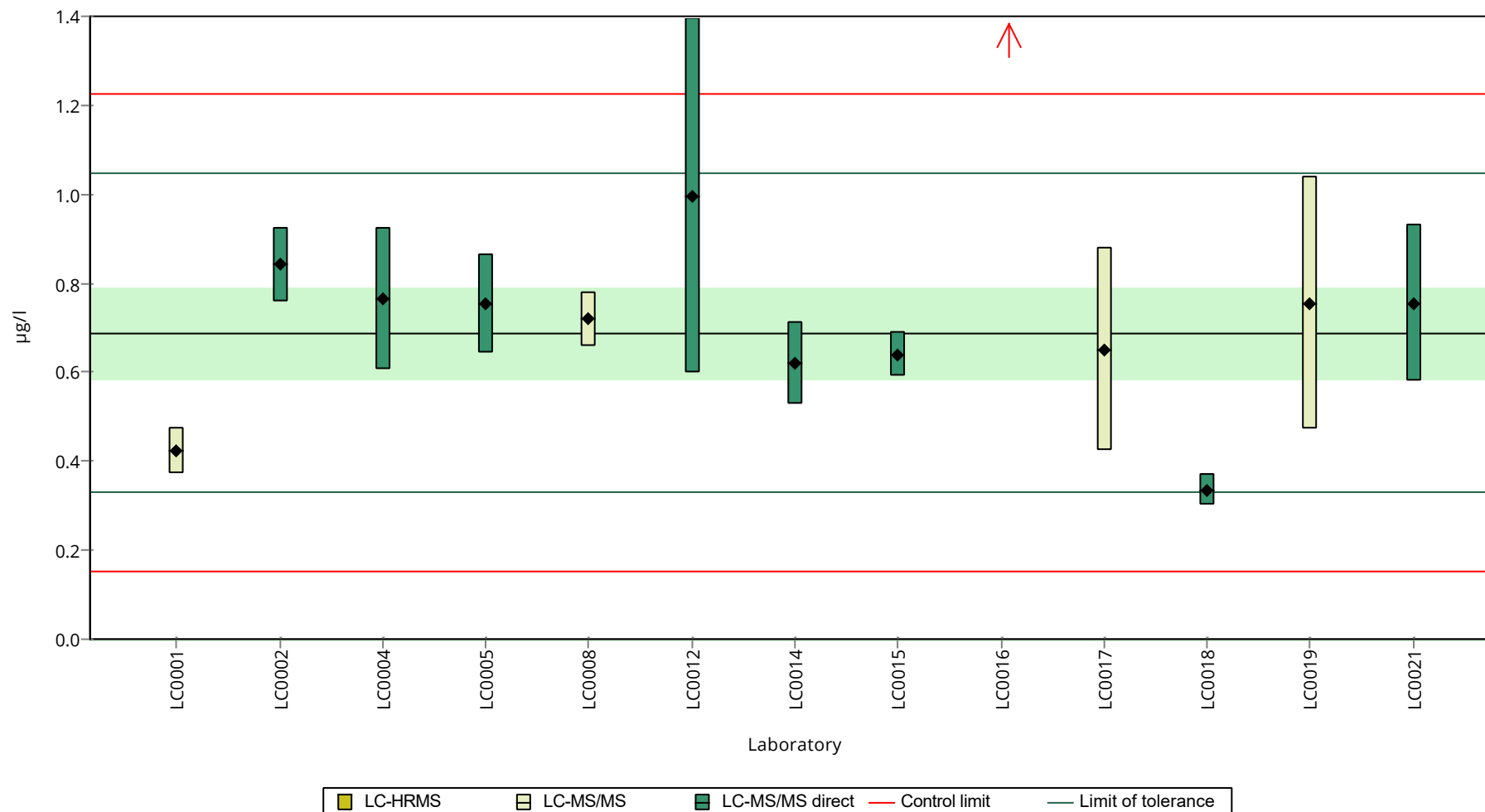
Labcode	Result ± U	Recovery [%]	z-Score	Comments
LC0001	0.4228 ± 0.0514	61.5	-1.48	
LC0002	0.842 ± 0.084	122	0.86	
LC0004	0.764 ± 0.16	111	0.43	
LC0005	0.7523 ± 0.1113	109	0.36	
LC0006	- ± -	-	-	
LC0007	- ± -	-	-	
LC0008	0.72 ± 0.0612	105	0.18	
LC0009	- ± -	-	-	
LC0010	- ± -	-	-	
LC0011	- ± -	-	-	
LC0012	0.997 ± 0.399	145	1.73	
LC0013	- ± -	-	-	
LC0014	0.619 ± 0.0929	90	-0.38	
LC0015	0.64 ± 0.0506	93	-0.27	
LC0016	1.56 ± 0.333	227	4.88	H
LC0017	0.651 ± 0.228	94.6	-0.21	
LC0018	0.336 ± 0.034	48.8	-1.97	
LC0019	0.755 ± 0.2835	110	0.38	
LC0020	- ± -	-	-	
LC0021	0.755 ± 0.176	110	0.38	

Characteristics of parameter

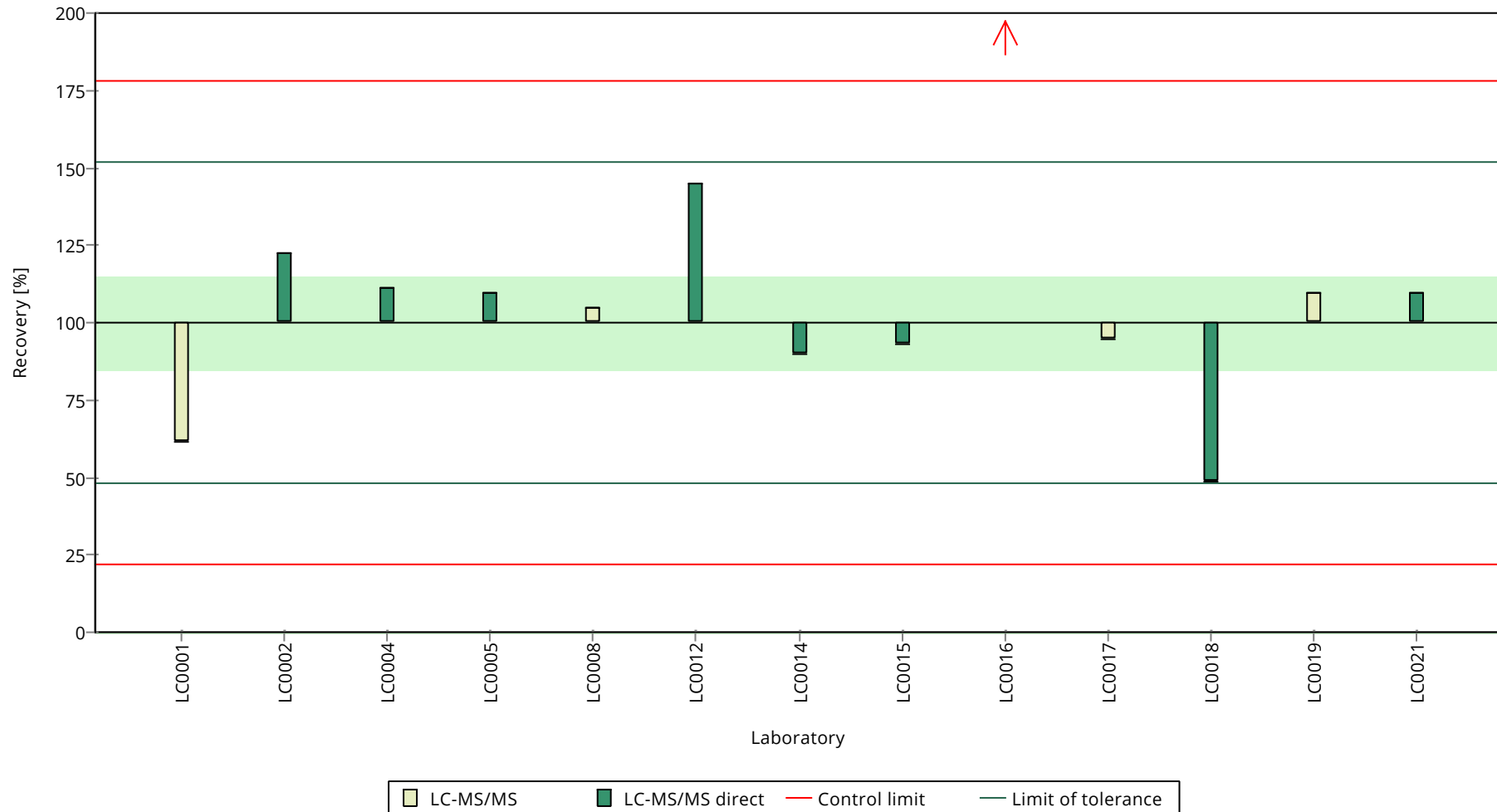
	all results	without outliers	Unit
Mean ± CI (99%)	0.755 ± 0.245	0.688 ± 0.153	µg/l
Minimum	0.336	0.336	µg/l
Maximum	1.56	0.997	µg/l
Standard deviation	0.295	0.176	µg/l
rel. standard deviation	39.1	25.6	%
n	13	12	-

Graphical presentation of results

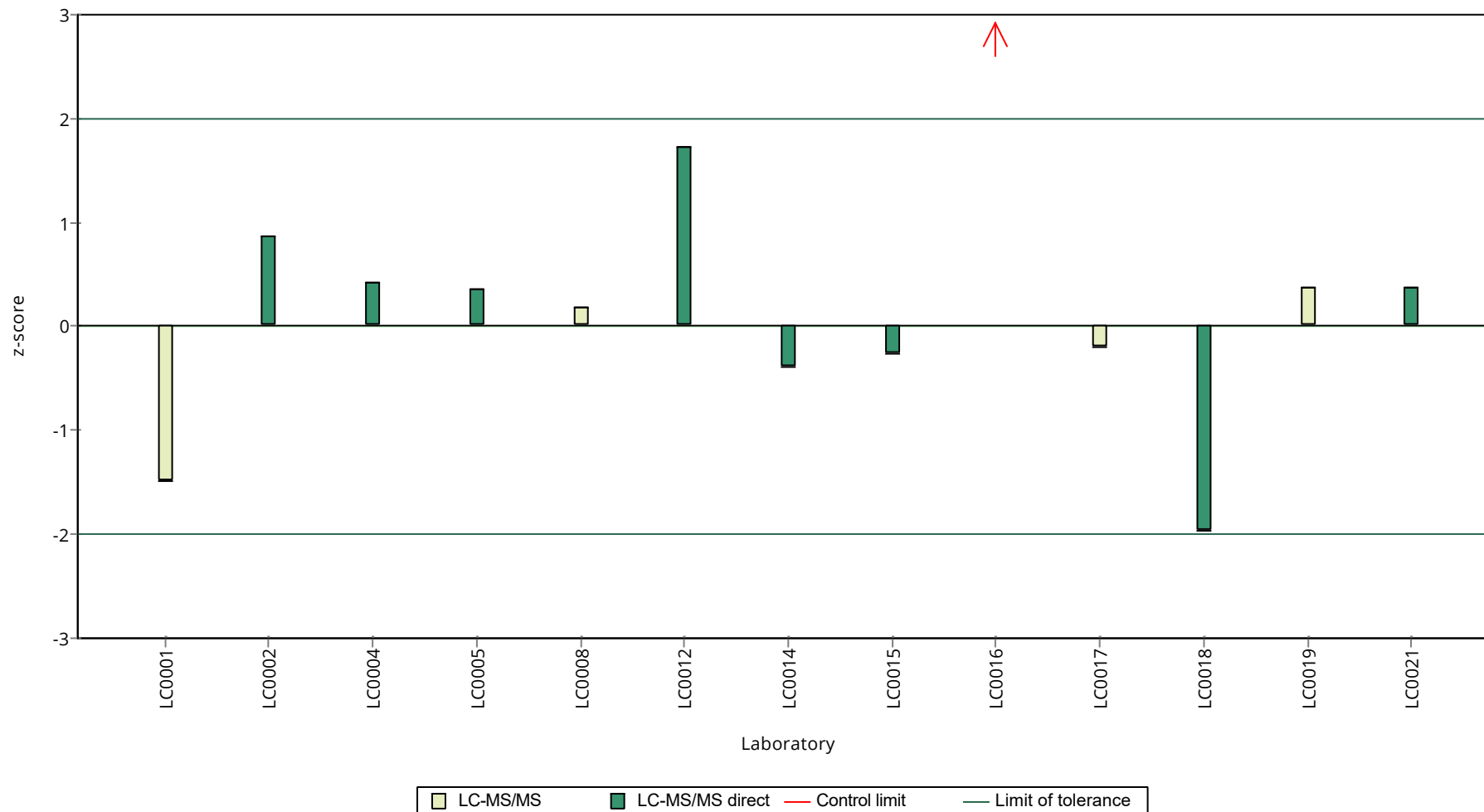
Results



Recovery rate



z-Score



Parameter oriented report

AZ13 A

Iopamidol

Unit	µg/l
Assigned value ± U (k=2)	0.348 ± 0.0479
Criterion	0.087 (25 %)
Minimum - Maximum	0.142 - 0.483
Control test value ± U (k=2)	0.360 ± 0.144

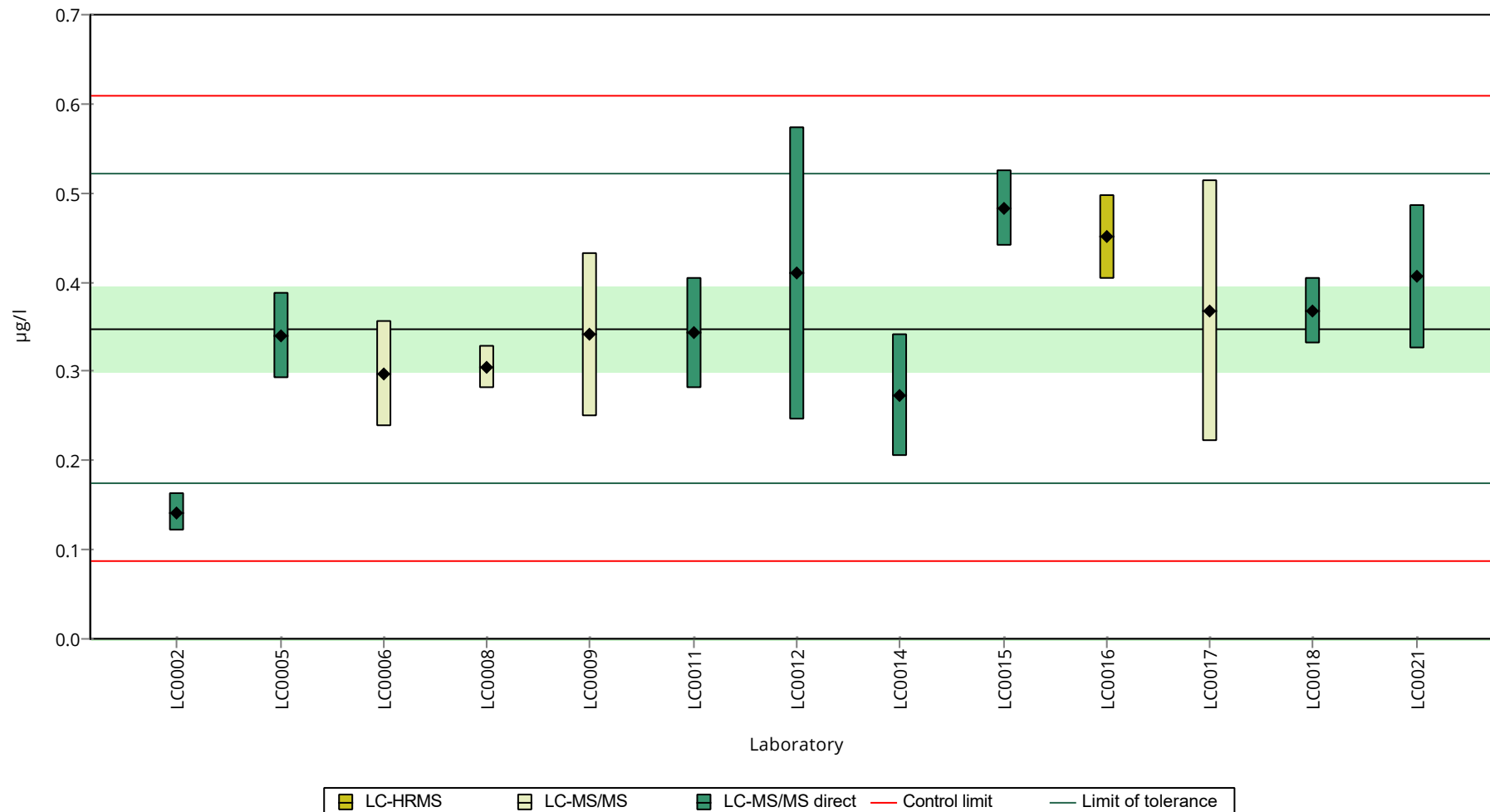
Labcode	Result ± U	Recovery [%]	z-Score	Comments
LC0001	- ± -	-	-	
LC0002	0.142 ± 0.021	40.8	-2.37	
LC0004	- ± -	-	-	
LC0005	0.3396 ± 0.0476	97.6	-0.1	
LC0006	0.297 ± 0.059	85.3	-0.59	
LC0007	- ± -	-	-	
LC0008	0.304 ± 0.0243	87.3	-0.51	
LC0009	0.341 ± 0.092	98	-0.08	
LC0010	- ± -	-	-	
LC0011	0.343 ± 0.062	98.5	-0.06	
LC0012	0.41 ± 0.164	118	0.71	
LC0013	- ± -	-	-	
LC0014	0.273 ± 0.0684	78.4	-0.86	
LC0015	0.483 ± 0.0425	139	1.55	
LC0016	0.451 ± 0.0472	130	1.18	
LC0017	0.368 ± 0.147	106	0.23	
LC0018	0.368 ± 0.037	106	0.23	
LC0019	- ± -	-	-	
LC0020	- ± -	-	-	
LC0021	0.406 ± 0.0802	117	0.67	

Characteristics of parameter

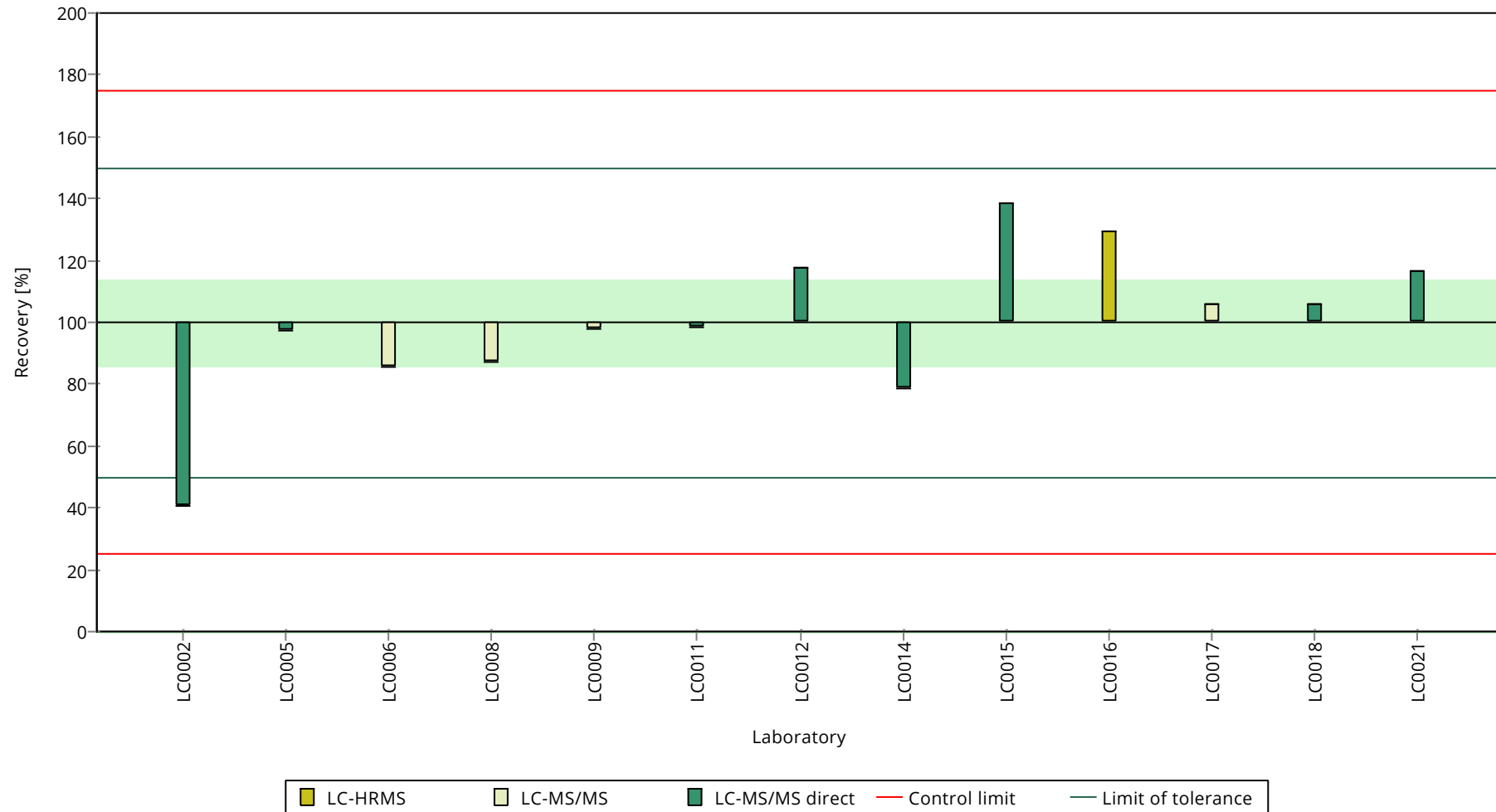
	all results	without outliers	Unit
Mean ± CI (99%)	0.348 ± 0.0719	0.348 ± 0.0719	µg/l
Minimum	0.142	0.142	µg/l
Maximum	0.483	0.483	µg/l
Standard deviation	0.0864	0.0864	µg/l
rel. standard deviation	24.8	24.8	%
n	13	13	-

Graphical presentation of results

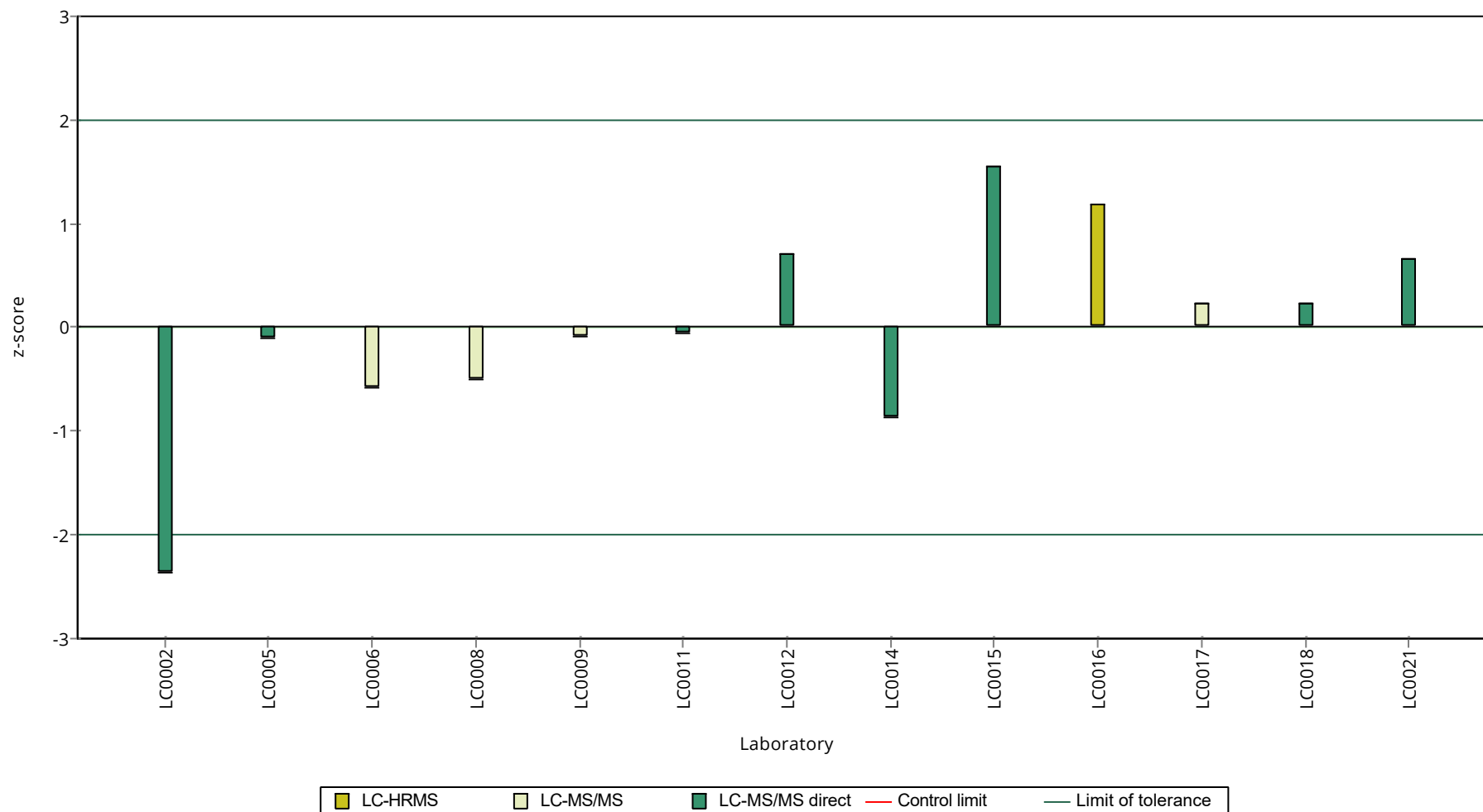
Results



Recovery rate



z-score



Parameter oriented report

AZ13 B

Iopamidol

Unit	µg/l
Assigned value ± U (k=2)	50 ± 4.77
Criterion	10 (20 %)
Minimum - Maximum	35 - 68.6
Control test value ± U (k=2)	55.4 ± 22.1

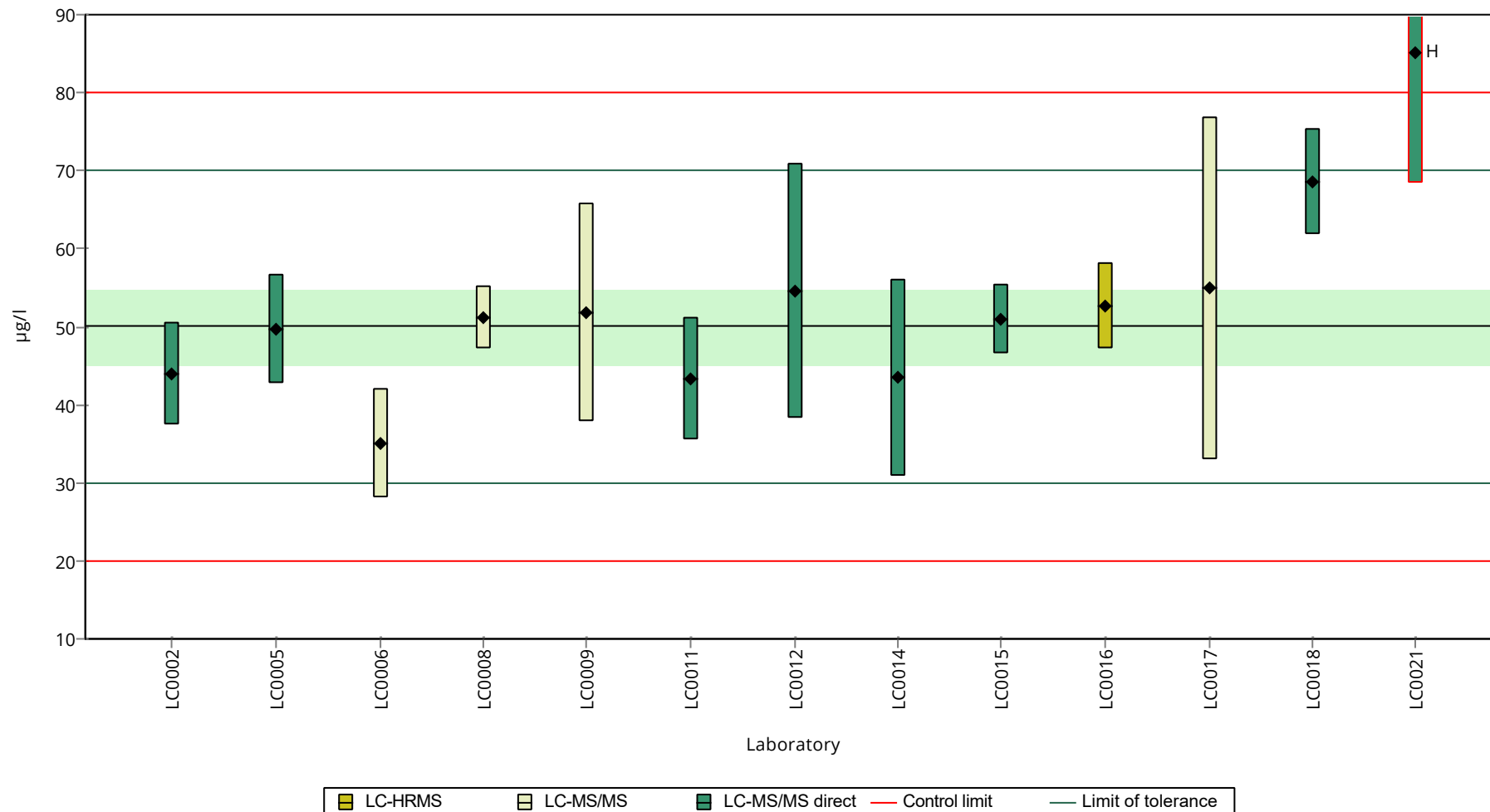
Labcode	Result ± U	Recovery [%]	z-Score	Comments
LC0001	- ± -	-	-	
LC0002	44 ± 6.6	88	-0.6	
LC0004	- ± -	-	-	
LC0005	49.68 ± 6.96	99.3	-0.03	
LC0006	35 ± 7	70	-1.5	
LC0007	- ± -	-	-	
LC0008	51.2 ± 4.096	102	0.12	
LC0009	51.86 ± 14.002	104	0.19	
LC0010	- ± -	-	-	
LC0011	43.3 ± 7.794	86.6	-0.67	
LC0012	54.48 ± 16.344	109	0.45	
LC0013	- ± -	-	-	
LC0014	43.5 ± 12.6	87	-0.65	
LC0015	50.883 ± 4.4777	102	0.09	
LC0016	52.7 ± 5.51	105	0.27	
LC0017	54.9 ± 22	110	0.49	
LC0018	68.6 ± 6.86	137	1.86	
LC0019	- ± -	-	-	
LC0020	- ± -	-	-	
LC0021	85.1 ± 16.8	170	3.51	H

Characteristics of parameter

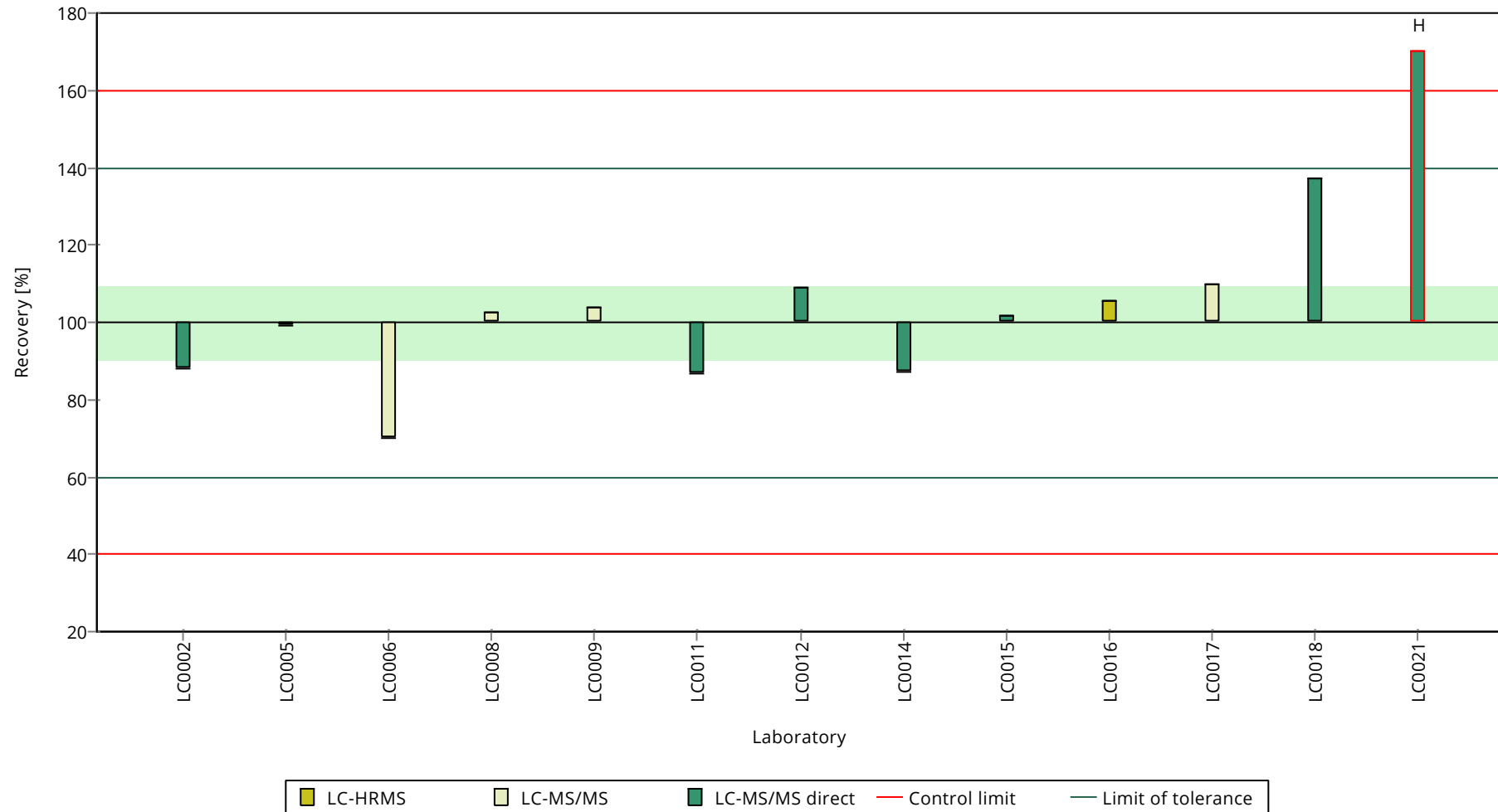
	all results	without outliers	Unit
Mean ± CI (99%)	52.7 ± 10.4	50 ± 7.16	µg/l
Minimum	35	35	µg/l
Maximum	85.1	68.6	µg/l
Standard deviation	12.5	8.26	µg/l
rel. standard deviation	23.8	16.5	%
n	13	12	-

Graphical presentation of results

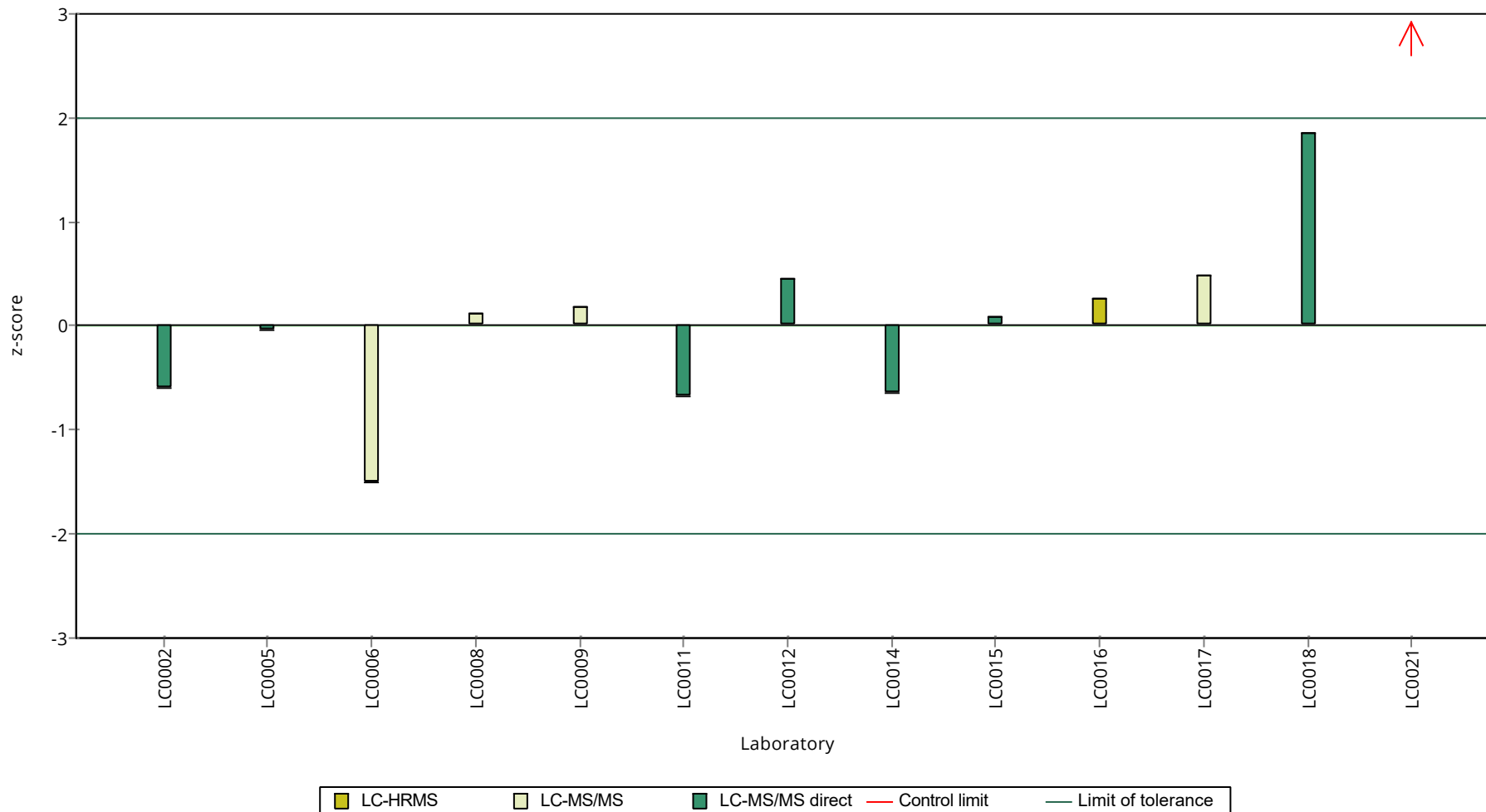
Results



Recovery rate



z-score



Parameter oriented report

AZ13 A

Metoprolol

Unit	µg/l
Assigned value ± U (k=2)	0.192 ± 0.00971
Criterion	0.0327 (17 %)
Minimum - Maximum	0.161 - 0.226
Control test value ± U (k=2)	0.257 ± 0.0772

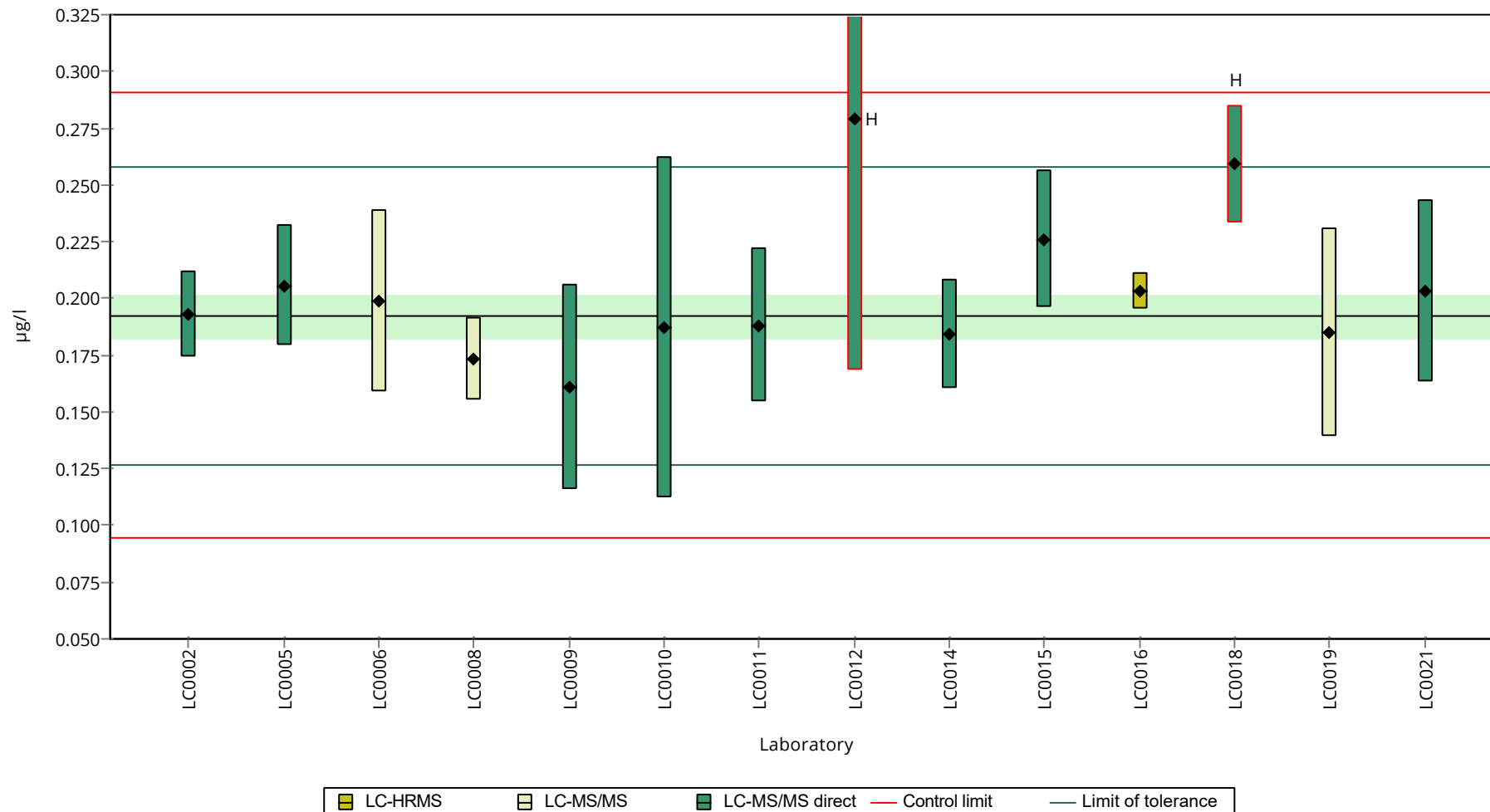
Labcode	Result ± U	Recovery [%]	z-Score	Comments
LC0001	- ± -	-	-	
LC0002	0.193 ± 0.019	100	0.02	
LC0004	- ± -	-	-	
LC0005	0.2057 ± 0.0265	107	0.41	
LC0006	0.199 ± 0.04	103	0.2	
LC0007	- ± -	-	-	
LC0008	0.173 ± 0.0182	90	-0.59	
LC0009	0.161 ± 0.045	83.7	-0.96	
LC0010	0.187 ± 0.075	97.2	-0.16	
LC0011	0.188 ± 0.034	97.8	-0.13	
LC0012	0.279 ± 0.111	145	2.65	H
LC0013	- ± -	-	-	
LC0014	0.184 ± 0.024	95.7	-0.25	
LC0015	0.226 ± 0.0301	118	1.03	
LC0016	0.203 ± 0.00796	106	0.33	
LC0017	- ± -	-	-	
LC0018	0.259 ± 0.026	135	2.04	H
LC0019	0.185 ± 0.04625	96.2	-0.22	
LC0020	- ± -	-	-	
LC0021	0.203 ± 0.0401	106	0.33	

Characteristics of parameter

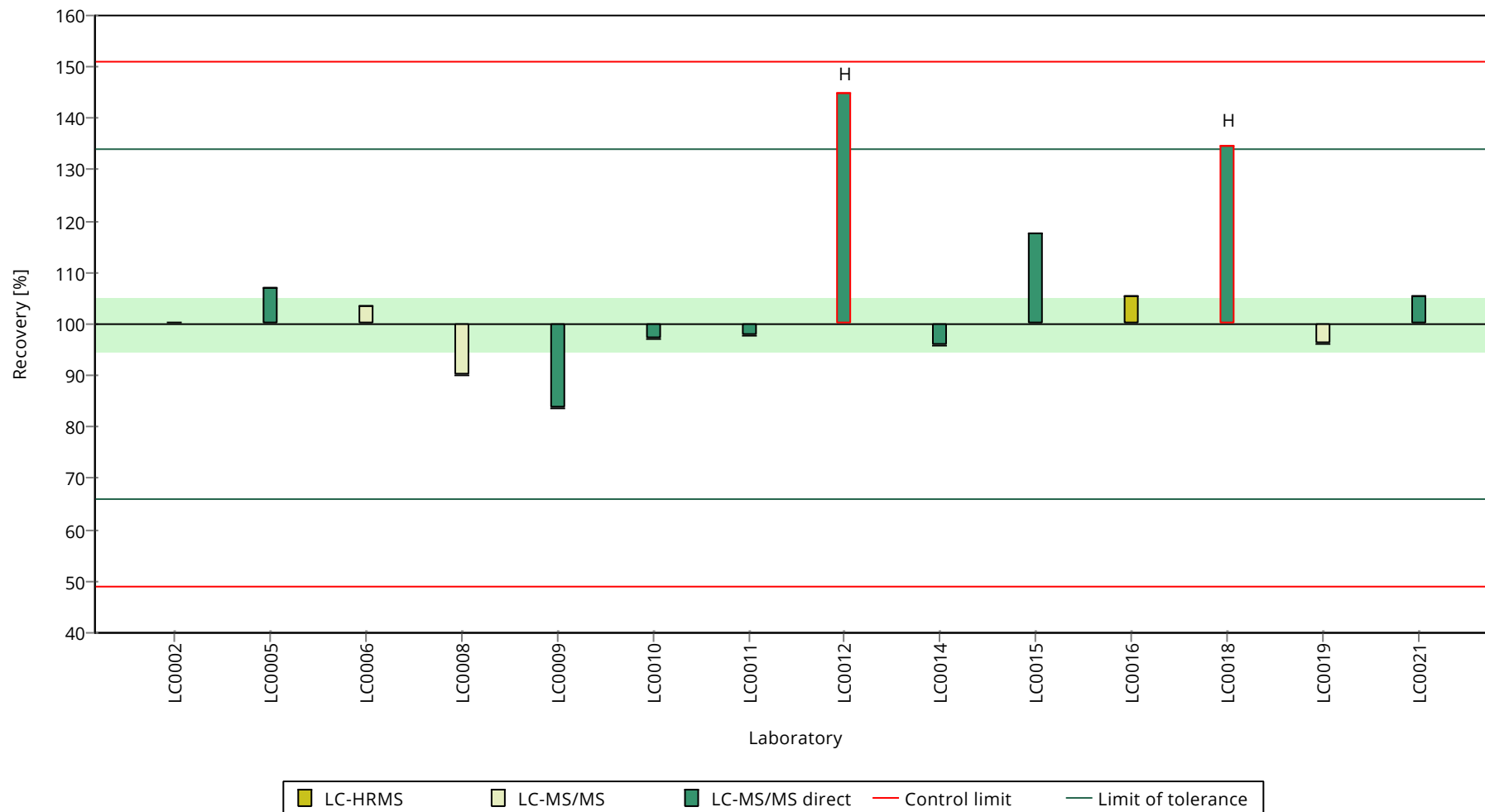
	all results	without outliers	Unit
Mean ± CI (99%)	0.203 ± 0.0257	0.192 ± 0.0146	µg/l
Minimum	0.161	0.161	µg/l
Maximum	0.279	0.226	µg/l
Standard deviation	0.0321	0.0168	µg/l
rel. standard deviation	15.8	8.74	%
n	14	12	-

Graphical presentation of results

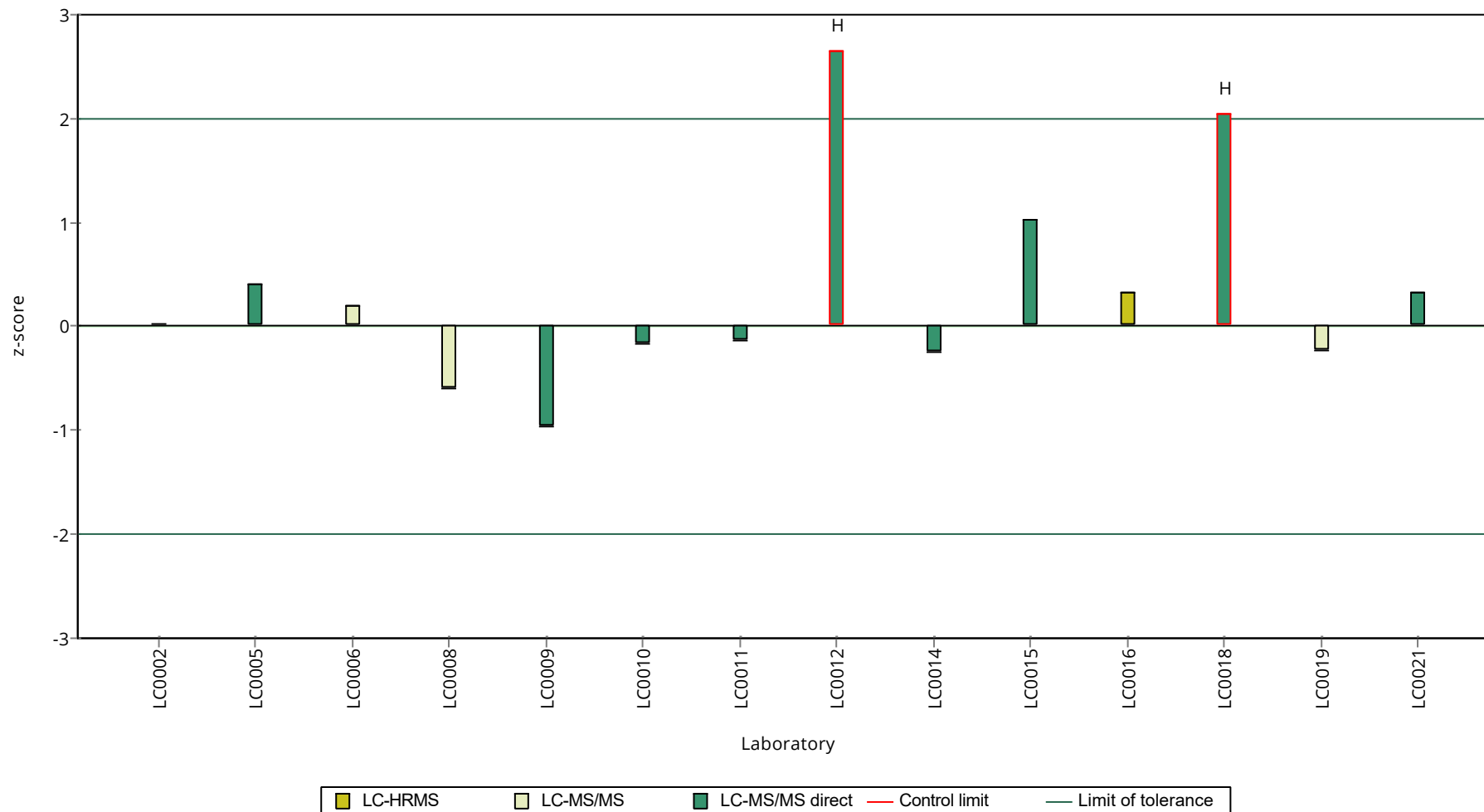
Results



Recovery rate



z-Score



Parameter oriented report

AZ13 B

Metoprolol

Unit	µg/l
Assigned value ± U (k=2)	0.187 ± 0.016
Criterion	0.0318 (17 %)
Minimum - Maximum	0.141 - 0.237
Control test value ± U (k=2)	0.208 ± 0.0625

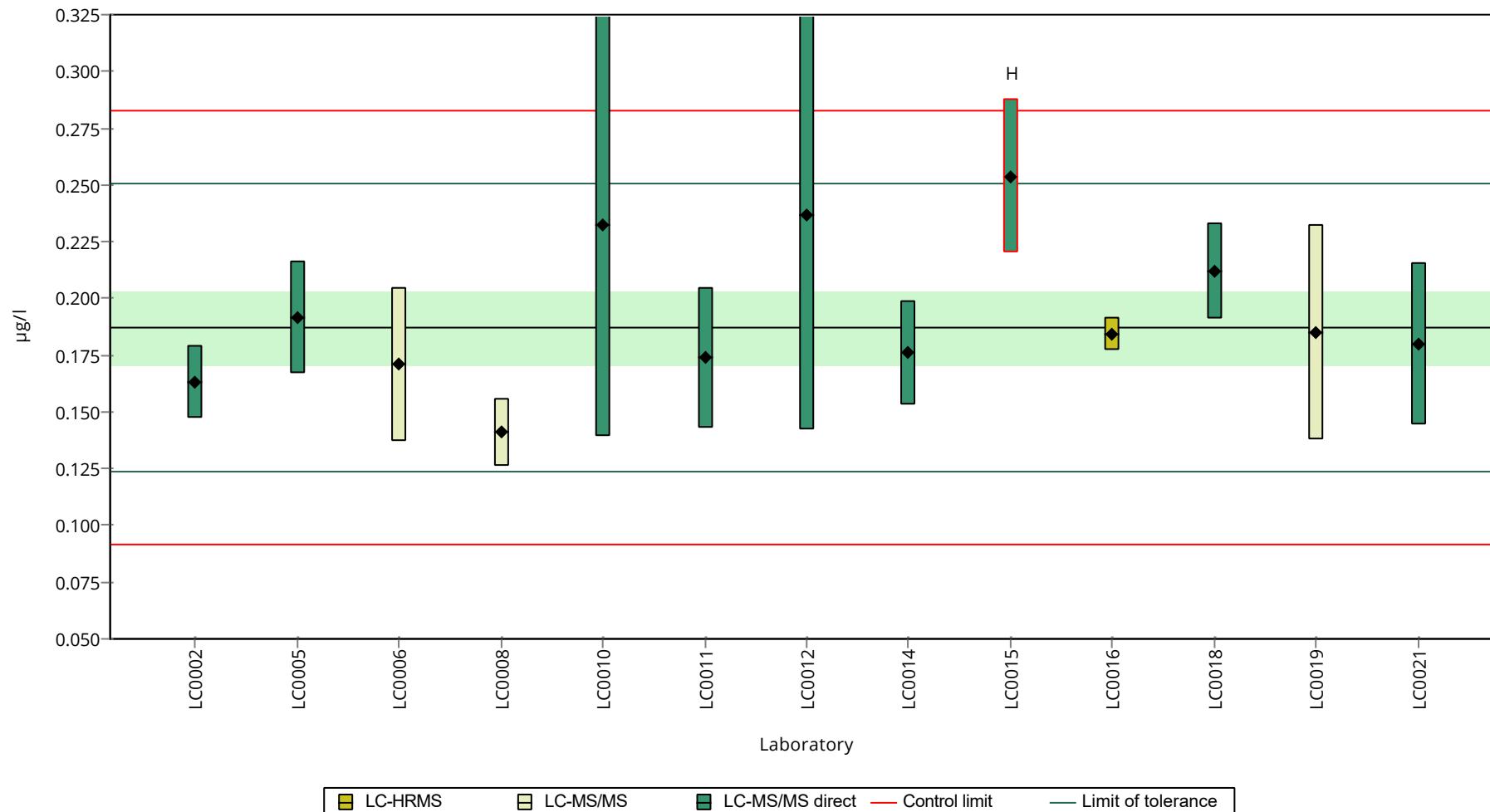
Labcode	Result ± U	Recovery [%]	z-Score	Comments
LC0001	- ± -	-	-	
LC0002	0.163 ± 0.016	87.1	-0.76	
LC0004	- ± -	-	-	
LC0005	0.1916 ± 0.0247	102	0.14	
LC0006	0.171 ± 0.034	91.3	-0.51	
LC0007	- ± -	-	-	
LC0008	0.141 ± 0.0148	75.3	-1.45	
LC0009	- ± -	-	-	
LC0010	0.232 ± 0.093	124	1.41	
LC0011	0.174 ± 0.031	92.9	-0.42	
LC0012	0.237 ± 0.095	127	1.56	
LC0013	- ± -	-	-	
LC0014	0.176 ± 0.023	94	-0.35	
LC0015	0.2538 ± 0.0338	136	2.09	H
LC0016	0.184 ± 0.00723	98.3	-0.1	
LC0017	- ± -	-	-	
LC0018	0.212 ± 0.021	113	0.78	
LC0019	0.185 ± 0.0475	98.8	-0.07	
LC0020	- ± -	-	-	
LC0021	0.18 ± 0.0356	96.1	-0.23	

Characteristics of parameter

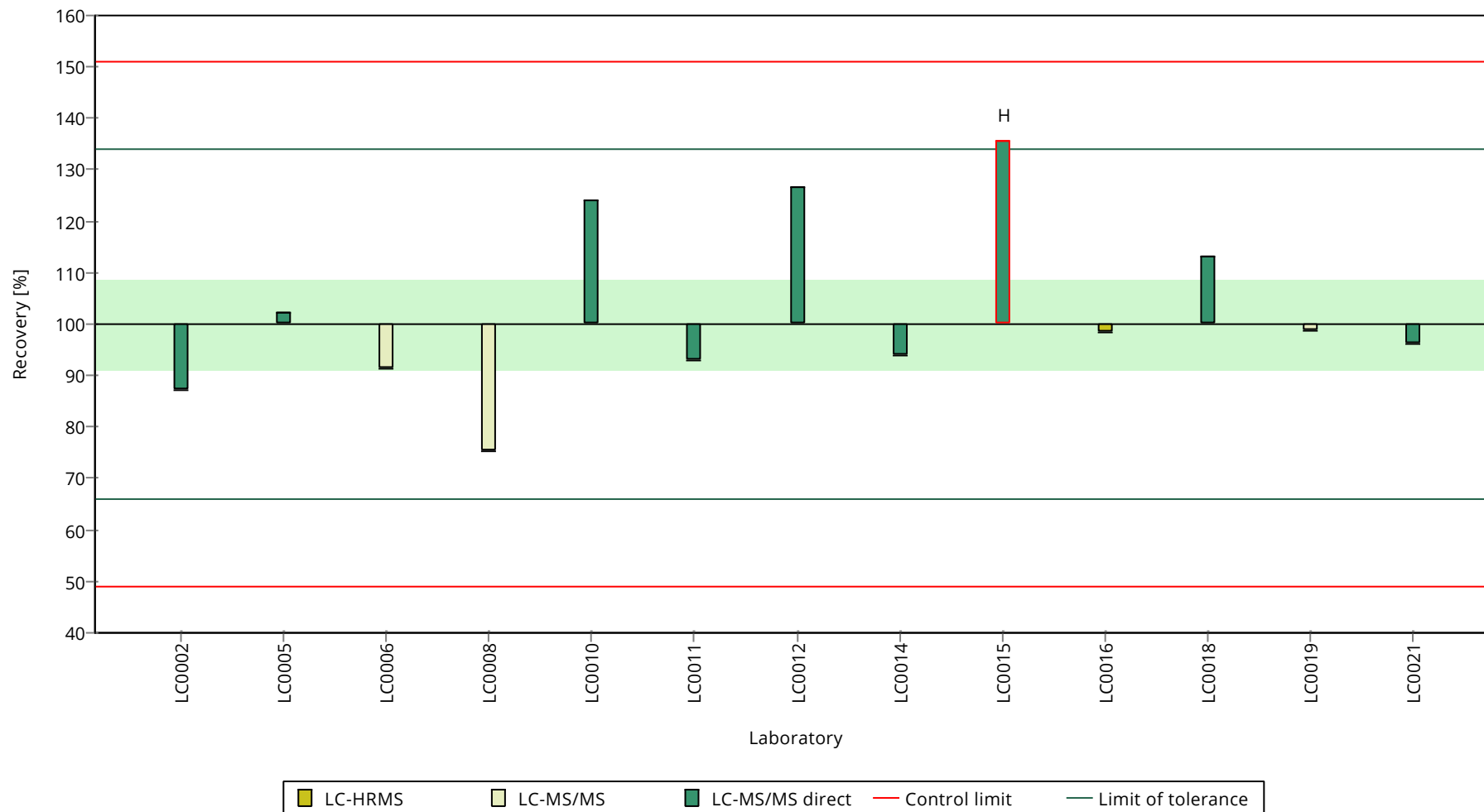
	all results	without outliers	Unit
Mean ± CI (99%)	0.192 ± 0.0269	0.187 ± 0.024	µg/l
Minimum	0.141	0.141	µg/l
Maximum	0.254	0.237	µg/l
Standard deviation	0.0324	0.0278	µg/l
rel. standard deviation	16.8	14.8	%
n	13	12	-

Graphical presentation of results

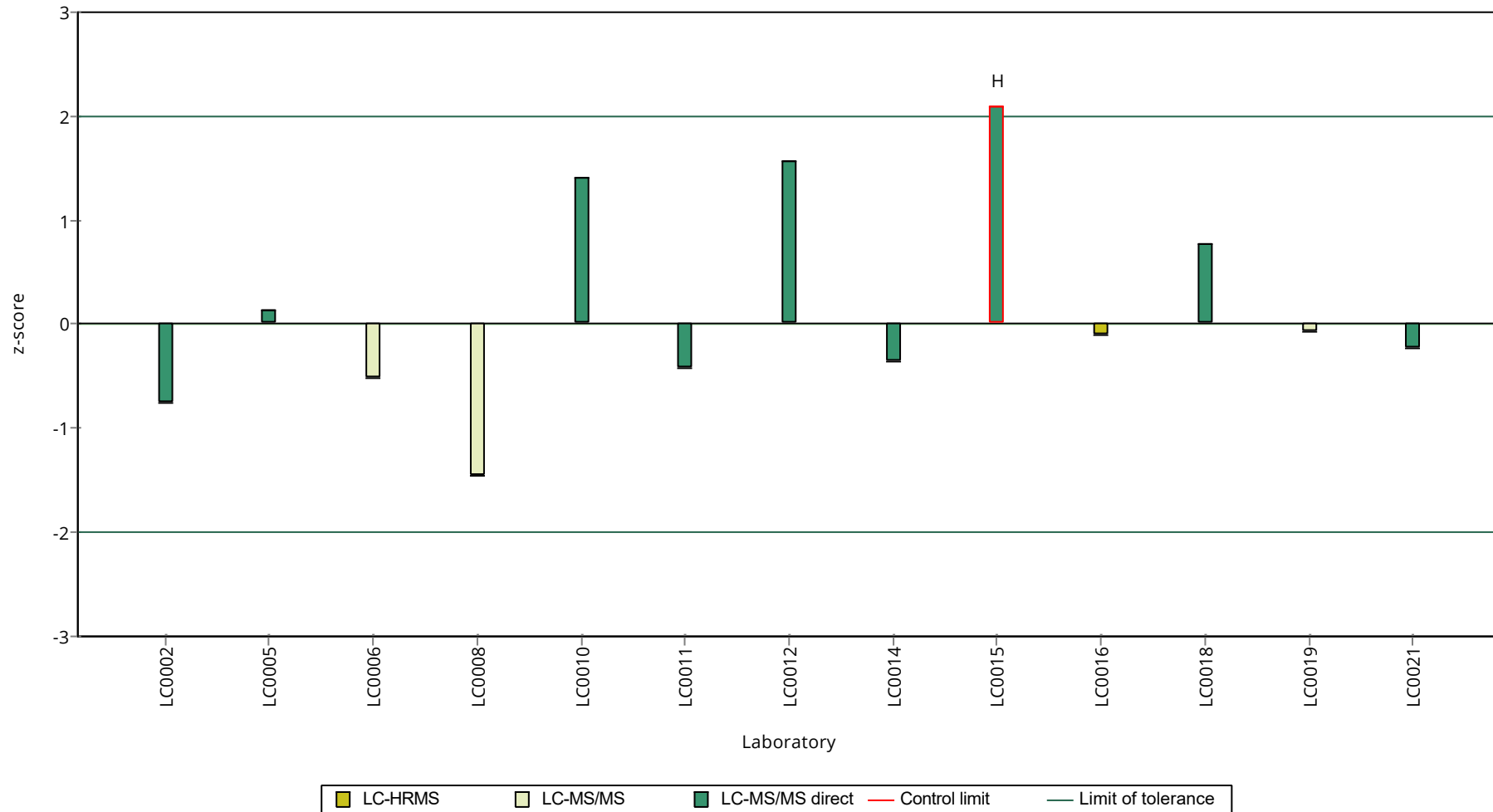
Results



Recovery rate



z-score



Parameter oriented report

AZ13 A

Saccharin

Unit	µg/l
Assigned value ± U (k=2)	0.389 ± 0.0585
Criterion	0.101 (26 %)
Minimum - Maximum	0.223 - 0.636
Control test value ± U (k=2)	0.528 ± 0.0792

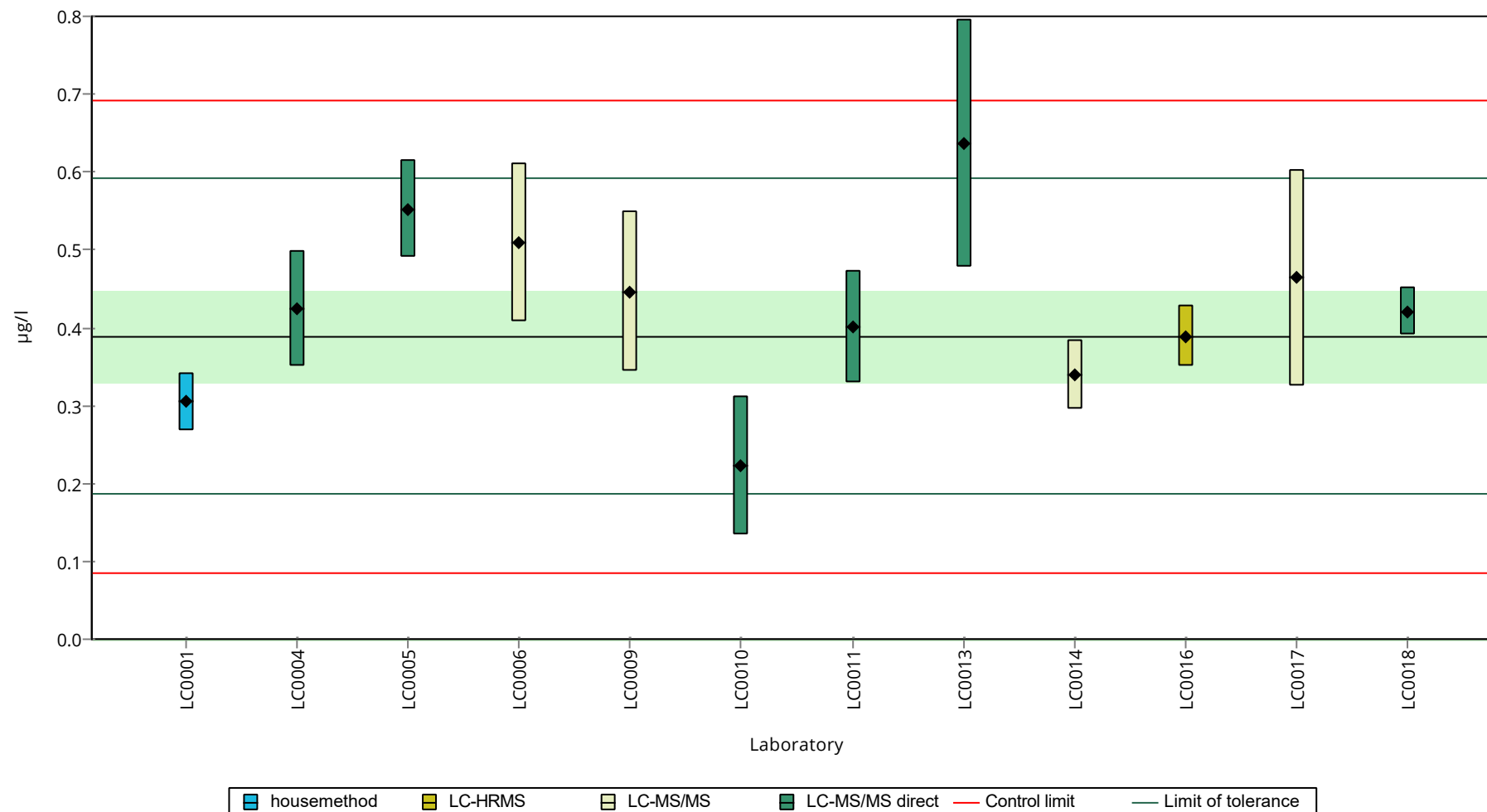
Labcode	Result ± U	Recovery [%]	z-Score	Comments
LC0001	0.305 ± 0.0371	78.4	-0.83	
LC0002	- ± -	-	-	
LC0004	0.424 ± 0.074	109	0.35	
LC0005	0.5525 ± 0.062	142	1.62	
LC0006	0.509 ± 0.102	131	1.19	
LC0007	- ± -	-	-	
LC0008	- ± -	-	-	
LC0009	0.446 ± 0.103	115	0.56	
LC0010	0.223 ± 0.089	57.3	-1.64	
LC0011	0.401 ± 0.072	103	0.12	
LC0012	- ± -	-	-	
LC0013	0.6363 ± 0.159	164	2.45	
LC0014	0.34 ± 0.0441	87.4	-0.48	
LC0015	- ± -	-	-	
LC0016	0.389 ± 0.0389	100	0	
LC0017	0.464 ± 0.139	119	0.74	
LC0018	0.421 ± 0.031	108	0.32	
LC0019	- ± -	-	-	
LC0020	- ± -	-	-	
LC0021	- ± -	-	-	

Characteristics of parameter

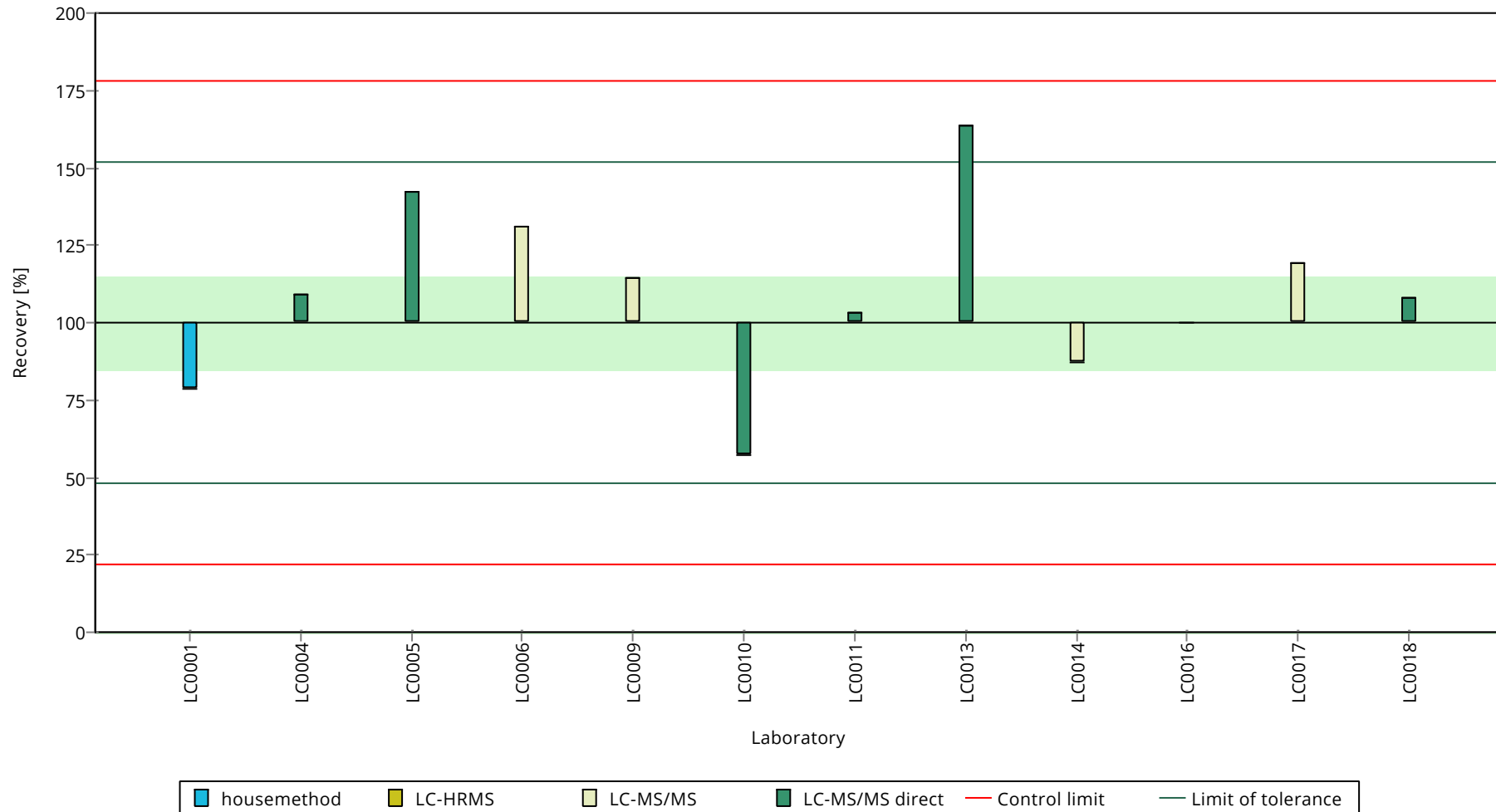
	all results	without outliers	Unit
Mean ± CI (99%)	0.426 ± 0.0957	0.426 ± 0.0957	µg/l
Minimum	0.223	0.223	µg/l
Maximum	0.636	0.636	µg/l
Standard deviation	0.11	0.11	µg/l
rel. standard deviation	25.9	25.9	%
n	12	12	-

Graphical presentation of results

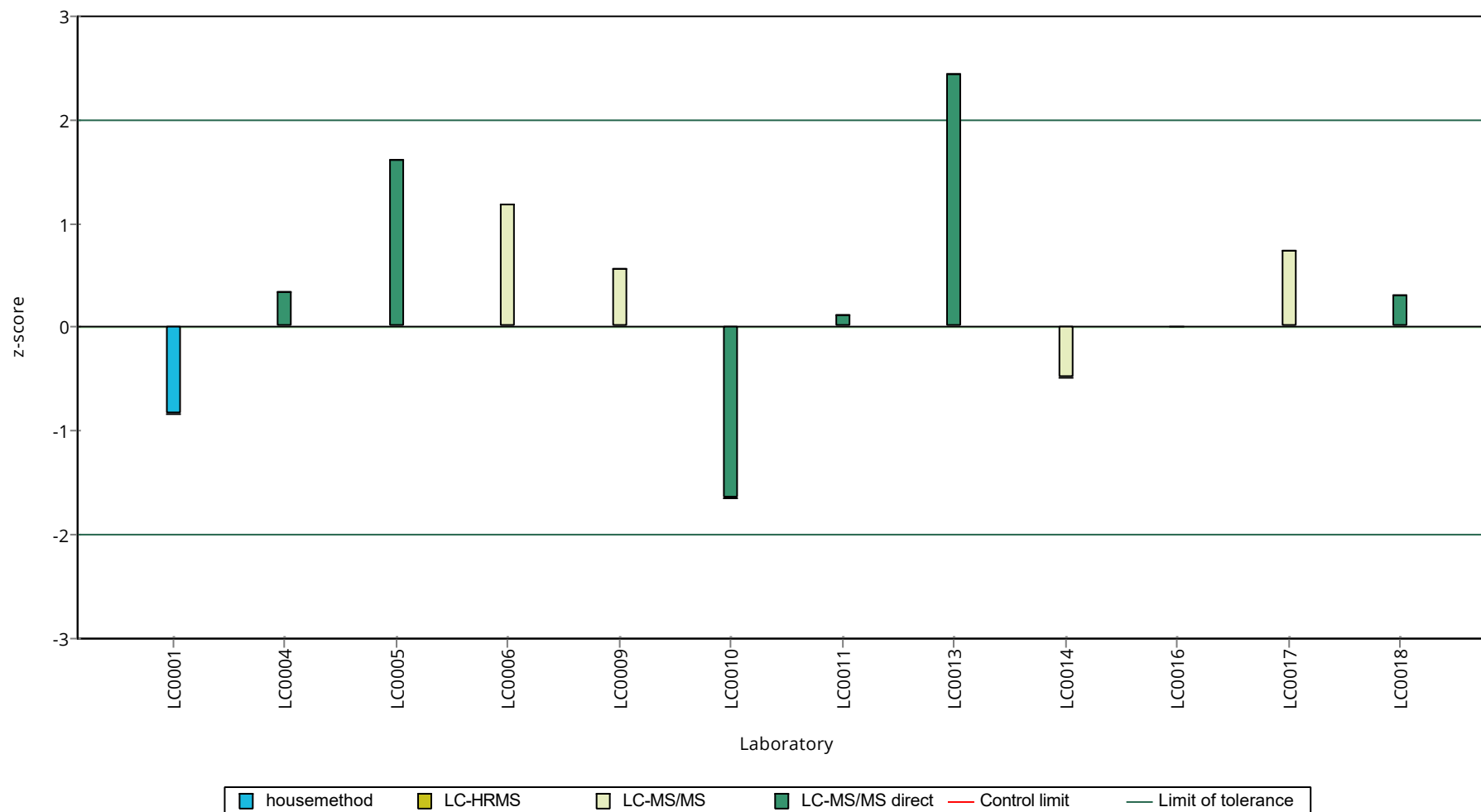
Results



Recovery rate



z-Score



Parameter oriented report

AZ13 B

Saccharin

Unit	µg/l
Assigned value ± U (k=2)	23.3 ± 1.28
Criterion	3.5 (15 %)
Minimum - Maximum	20.7 - 27.3
Control test value ± U (k=2)	27.4 ± 4.12

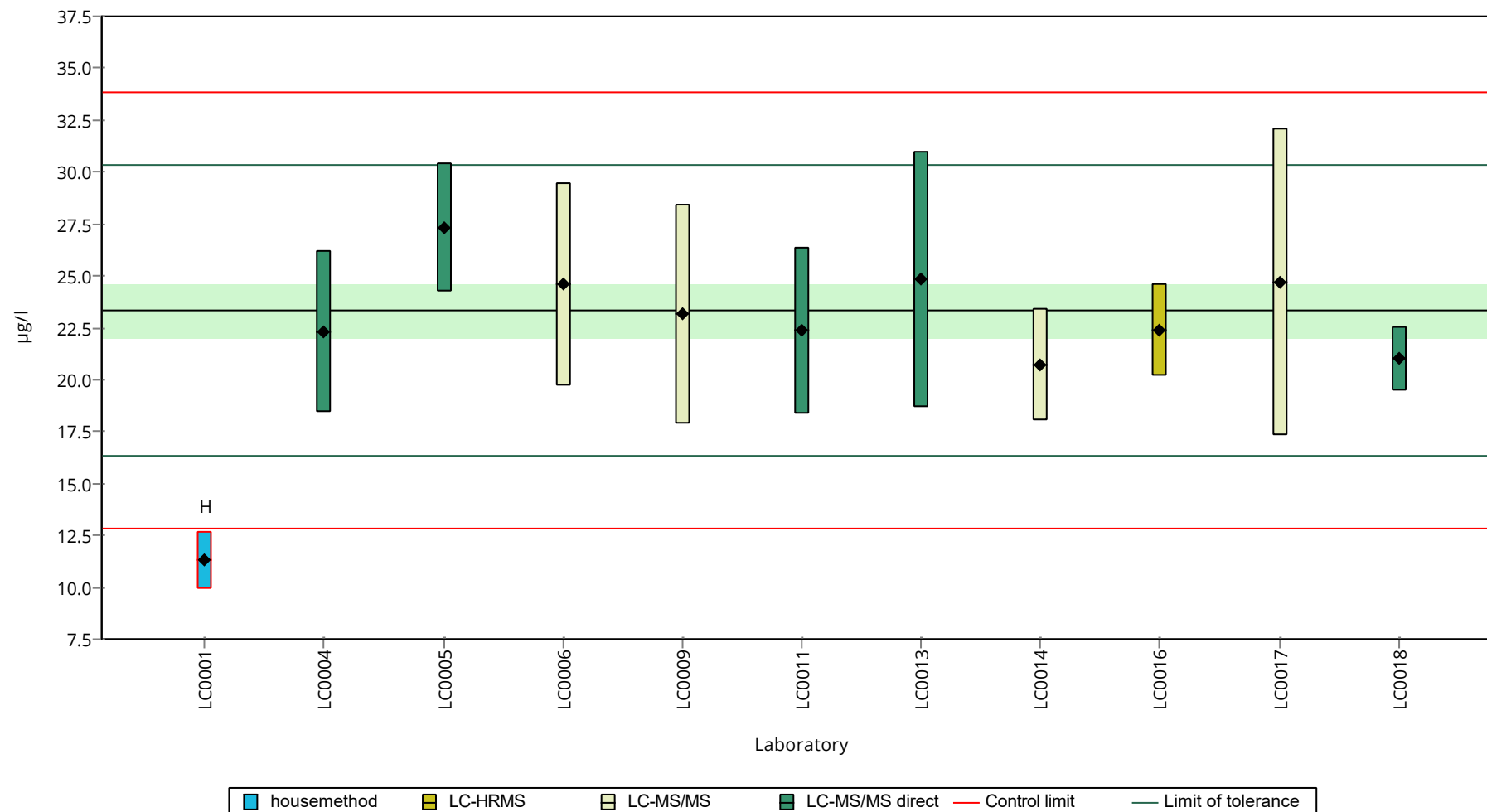
Labcode	Result ± U	Recovery [%]	z-Score	Comments
LC0001	11.2983 ± 1.3739	48.4	-3.44	H
LC0002	- ± -	-	-	
LC0004	22.3 ± 3.9	95.6	-0.3	
LC0005	27.32 ± 3.07	117	1.14	
LC0006	24.6 ± 4.9	105	0.36	
LC0007	- ± -	-	-	
LC0008	- ± -	-	-	
LC0009	23.14 ± 5.322	99.2	-0.06	
LC0010	- ± -	-	-	
LC0011	22.356 ± 4.024	95.8	-0.28	
LC0012	- ± -	-	-	
LC0013	24.81 ± 6.2	106	0.42	
LC0014	20.7 ± 2.69	88.7	-0.75	
LC0015	- ± -	-	-	
LC0016	22.4 ± 2.24	96	-0.27	
LC0017	24.7 ± 7.4	106	0.39	
LC0018	21 ± 1.533	90	-0.67	
LC0019	- ± -	-	-	
LC0020	- ± -	-	-	
LC0021	- ± -	-	-	

Characteristics of parameter

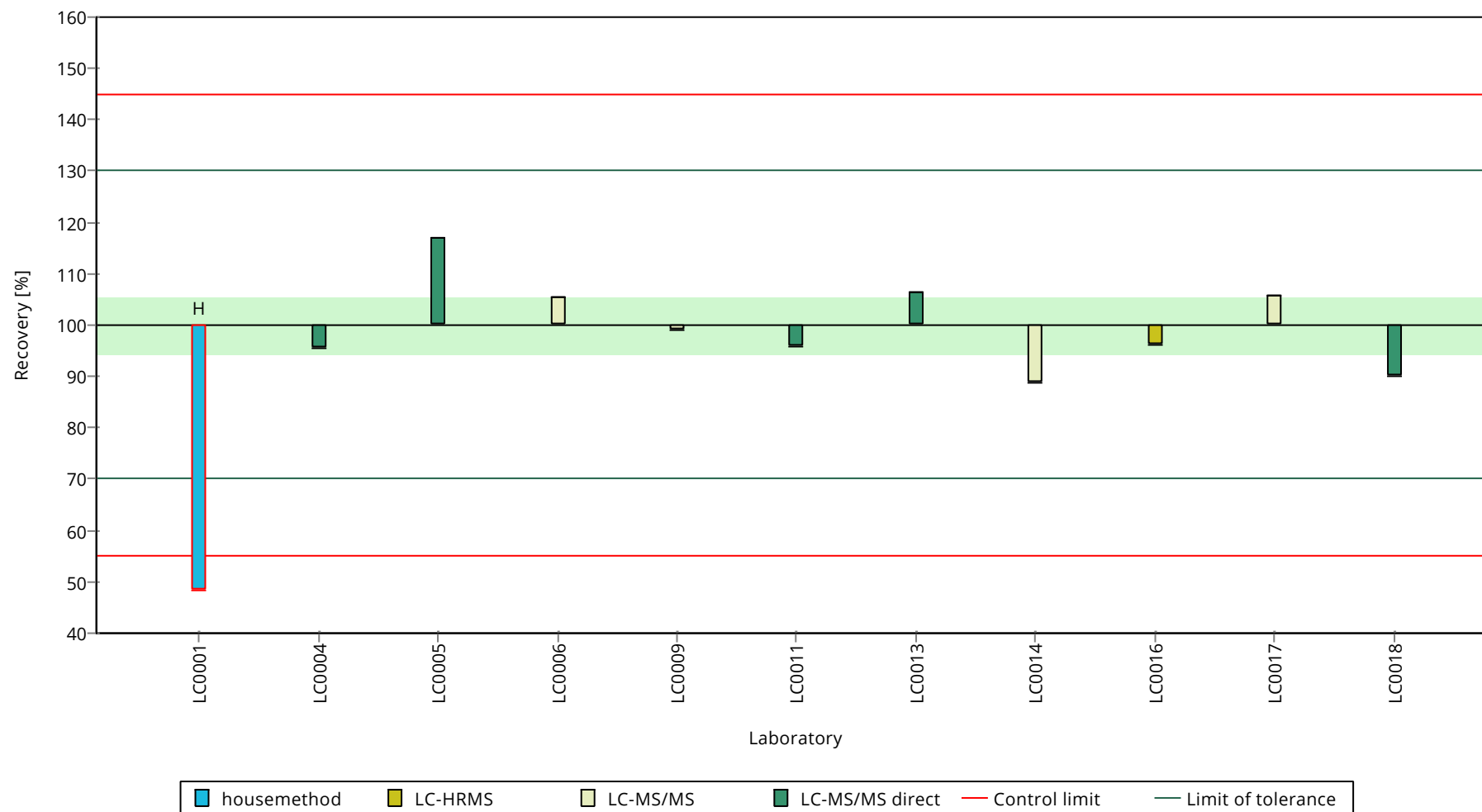
	all results	without outliers	Unit
Mean ± CI (99%)	22.2 ± 3.71	23.3 ± 1.92	µg/l
Minimum	11.3	20.7	µg/l
Maximum	27.3	27.3	µg/l
Standard deviation	4.11	2.02	µg/l
rel. standard deviation	18.5	8.67	%
n	11	10	-

Graphical presentation of results

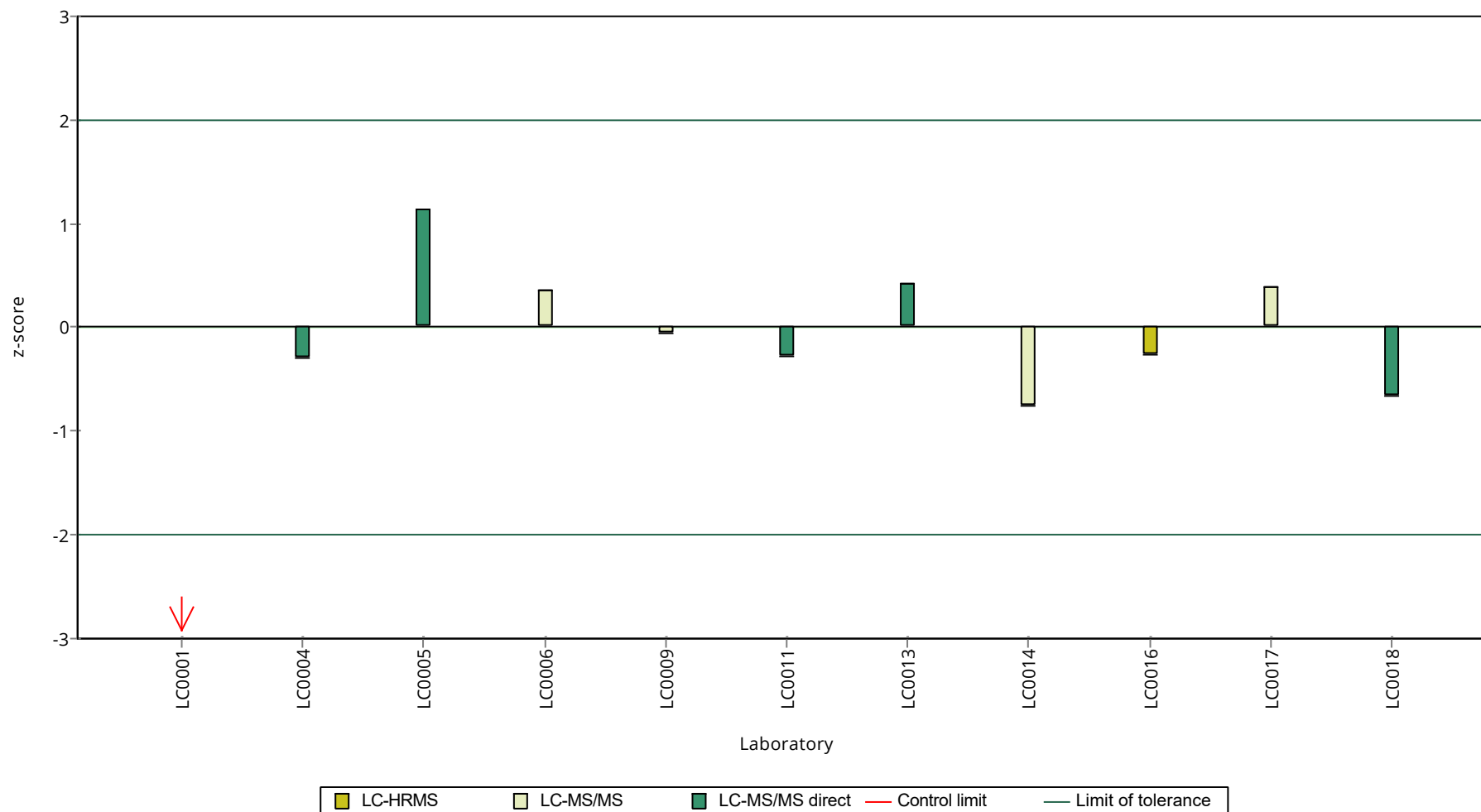
Results



Recovery rate



z-Score



Parameter oriented report

AZ13 A

Sotalol

Unit	µg/l
Assigned value ± U (k=2)	0.426 ± 0.0424
Criterion	0.0937 (22 %)
Minimum - Maximum	0.328 - 0.584
Control test value ± U (k=2)	0.452 ± 0.158

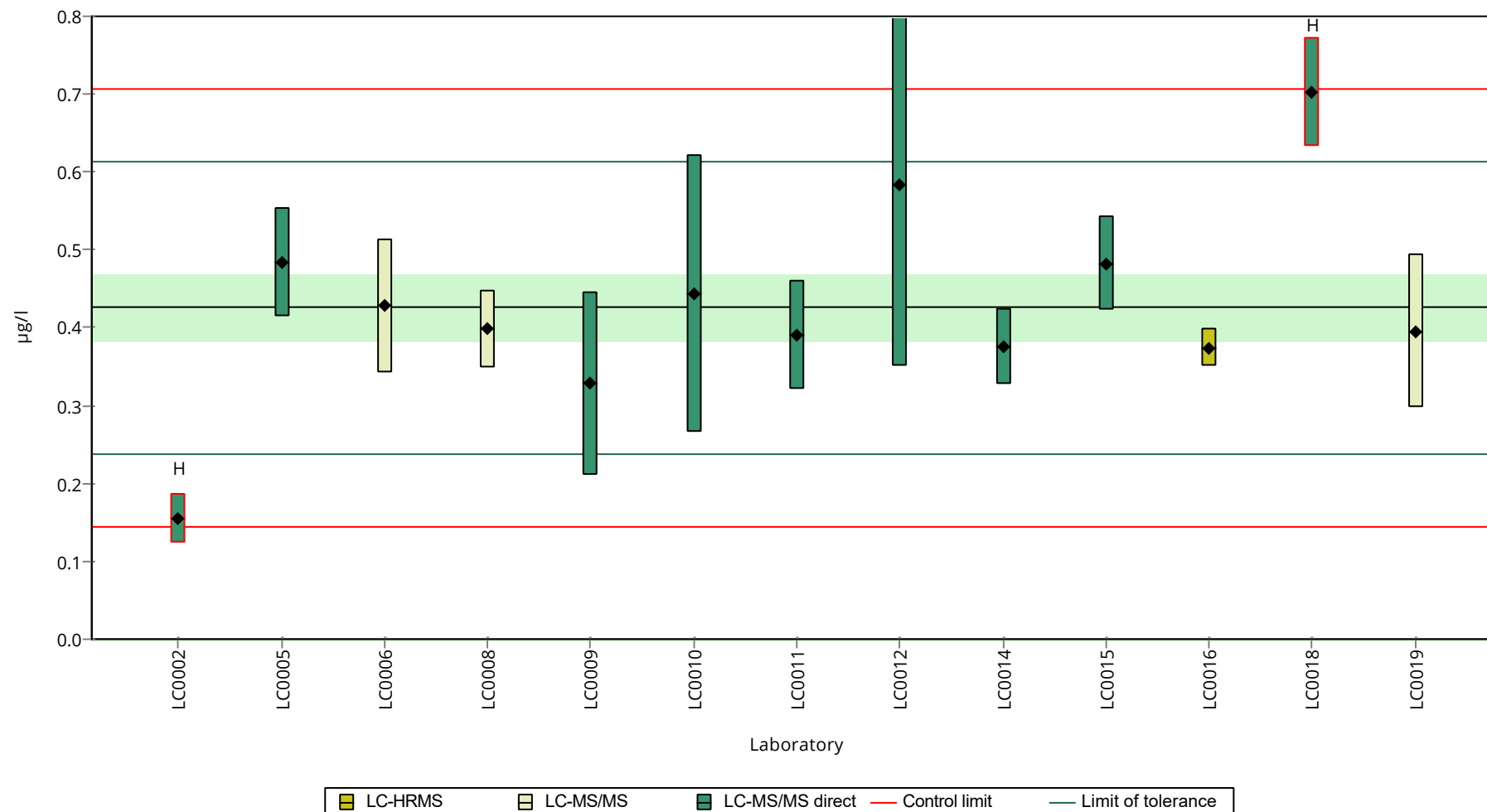
Labcode	Result ± U	Recovery [%]	z-Score	Comments
LC0001	- ± -	-	-	
LC0002	0.155 ± 0.031	36.4	-2.89	H
LC0004	- ± -	-	-	
LC0005	0.4838 ± 0.0705	114	0.62	
LC0006	0.428 ± 0.086	101	0.02	
LC0007	- ± -	-	-	
LC0008	0.398 ± 0.0498	93.5	-0.3	
LC0009	0.328 ± 0.118	77	-1.04	
LC0010	0.444 ± 0.178	104	0.19	
LC0011	0.391 ± 0.07	91.8	-0.37	
LC0012	0.584 ± 0.233	137	1.69	
LC0013	- ± -	-	-	
LC0014	0.376 ± 0.0489	88.3	-0.53	
LC0015	0.482 ± 0.0603	113	0.6	
LC0016	0.374 ± 0.0243	87.8	-0.55	
LC0017	- ± -	-	-	
LC0018	0.703 ± 0.07	165	2.96	H
LC0019	0.395 ± 0.09875	92.8	-0.33	
LC0020	- ± -	-	-	
LC0021	- ± -	-	-	

Characteristics of parameter

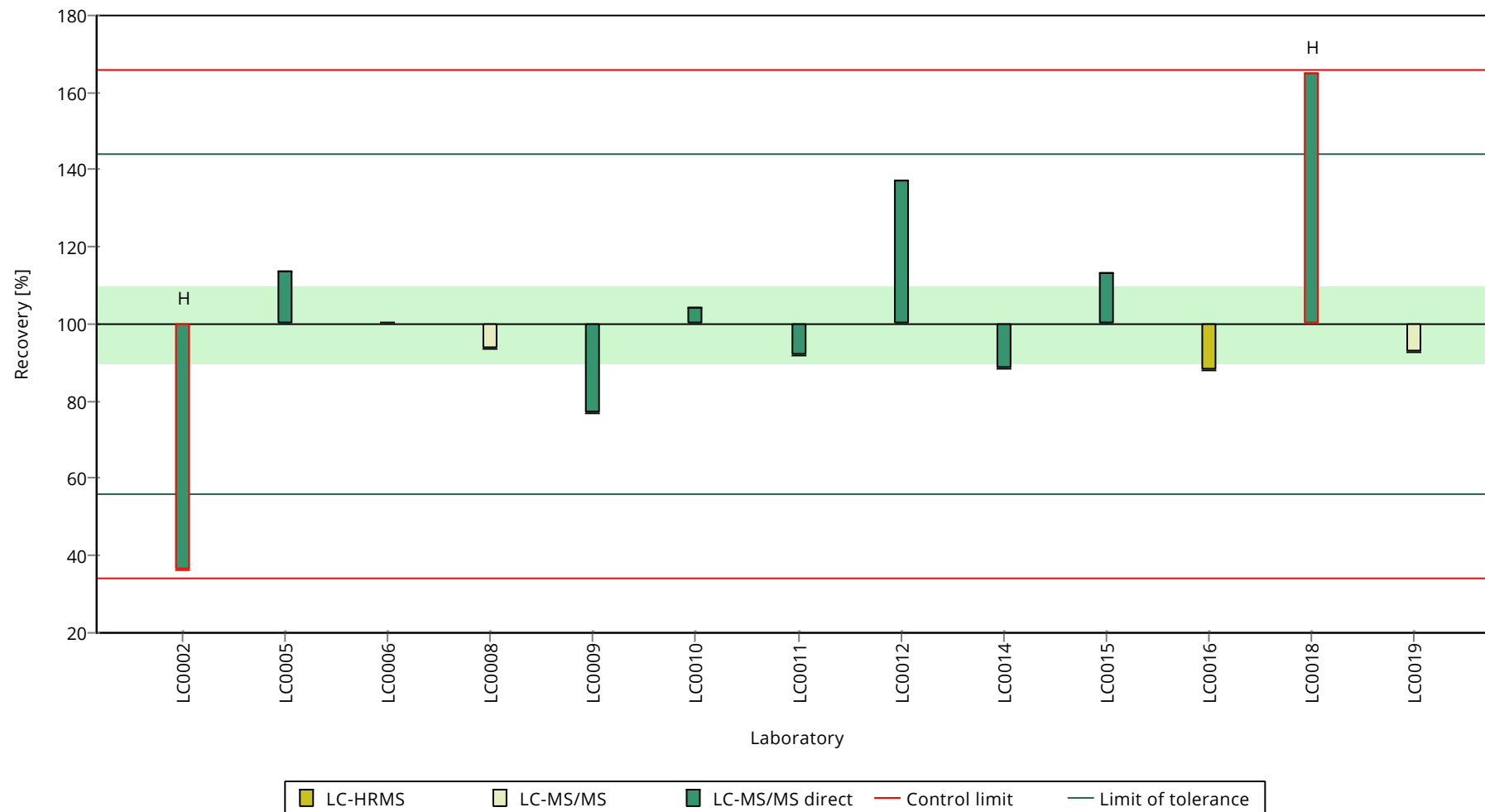
	all results	without outliers	Unit
Mean ± CI (99%)	0.426 ± 0.107	0.426 ± 0.0637	µg/l
Minimum	0.155	0.328	µg/l
Maximum	0.703	0.584	µg/l
Standard deviation	0.129	0.0704	µg/l
rel. standard deviation	30.3	16.5	%
n	13	11	-

Graphical presentation of results

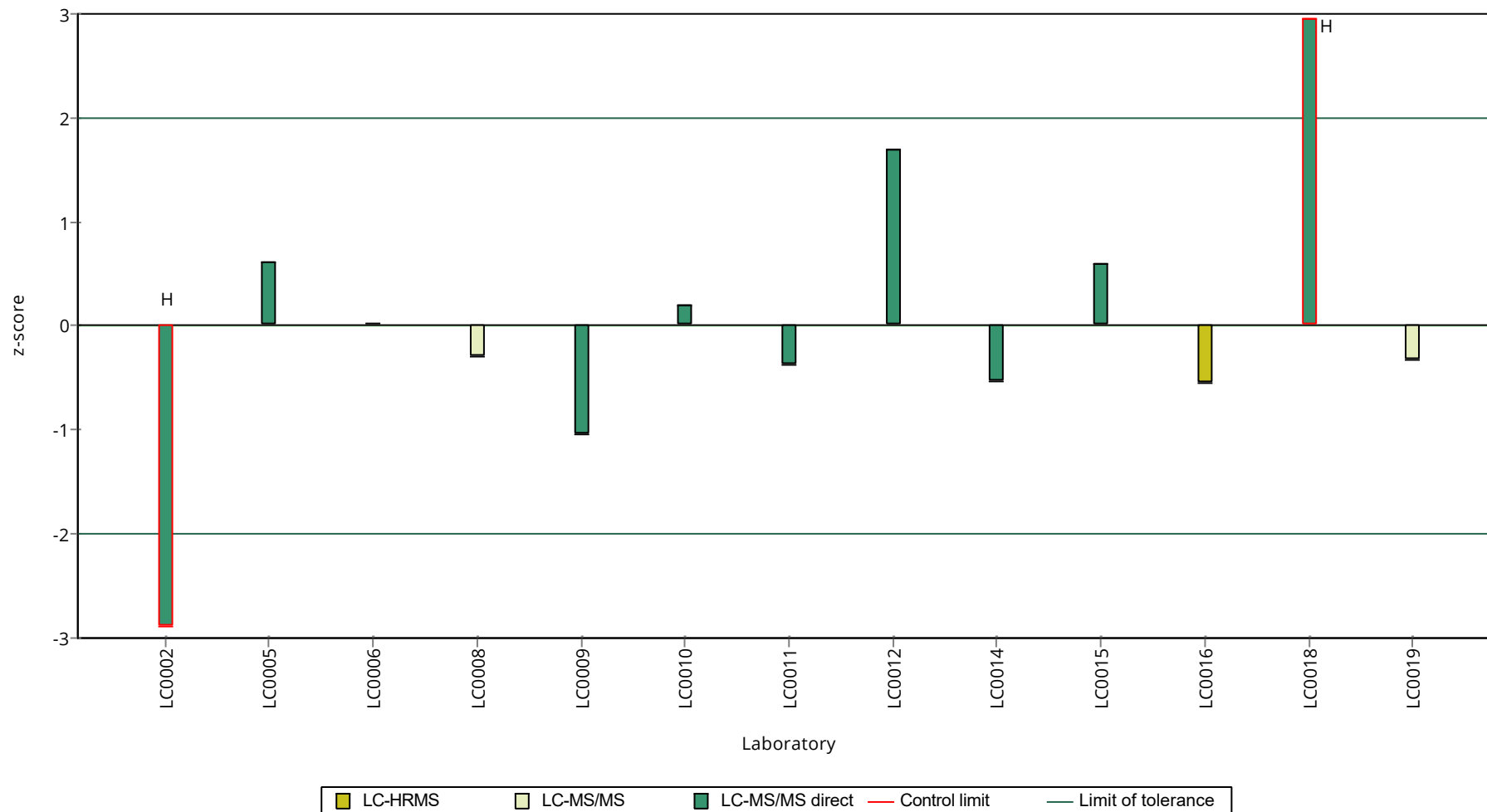
Results



Recovery rate



z-score



Parameter oriented report

AZ13 B

Sotalol

Unit	µg/l
Assigned value ± U (k=2)	0.17 ± 0.0154
Criterion	0.0373 (22 %)
Minimum - Maximum	0.122 - 0.214
Control test value ± U (k=2)	0.207 ± 0.0723

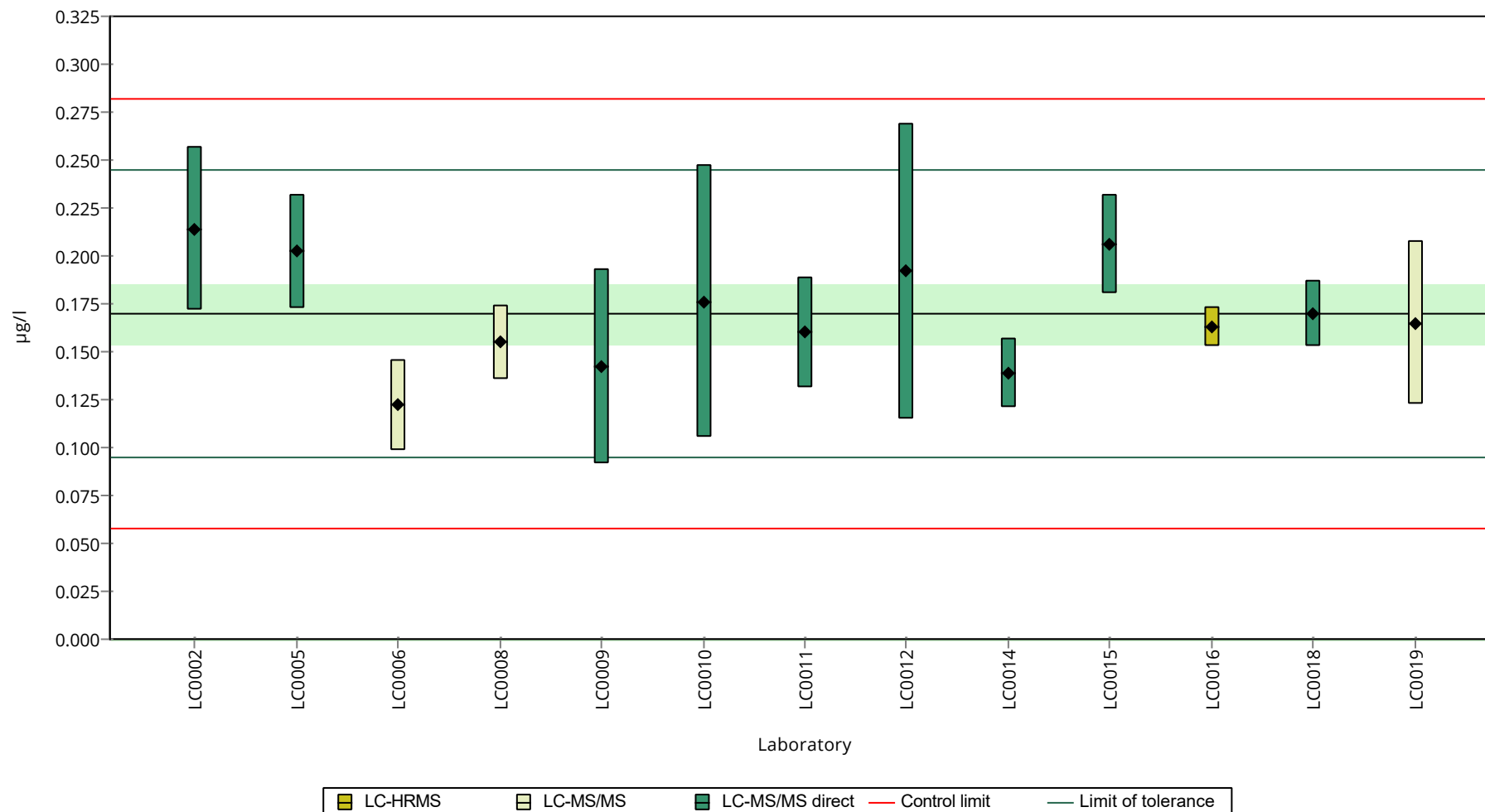
Labcode	Result ± U	Recovery [%]	z-Score	Comments
LC0001	- ± -	-	-	
LC0002	0.214 ± 0.0428	126	1.19	
LC0004	- ± -	-	-	
LC0005	0.2023 ± 0.0295	119	0.87	
LC0006	0.122 ± 0.024	71.9	-1.28	
LC0007	- ± -	-	-	
LC0008	0.155 ± 0.0194	91.3	-0.39	
LC0009	0.142 ± 0.051	83.7	-0.74	
LC0010	0.176 ± 0.071	104	0.17	
LC0011	0.16 ± 0.029	94.3	-0.26	
LC0012	0.192 ± 0.077	113	0.6	
LC0013	- ± -	-	-	
LC0014	0.139 ± 0.0181	81.9	-0.82	
LC0015	0.2063 ± 0.0258	122	0.98	
LC0016	0.163 ± 0.0106	96	-0.18	
LC0017	- ± -	-	-	
LC0018	0.17 ± 0.017	100	0.01	
LC0019	0.165 ± 0.0425	97.2	-0.13	
LC0020	- ± -	-	-	
LC0021	- ± -	-	-	

Characteristics of parameter

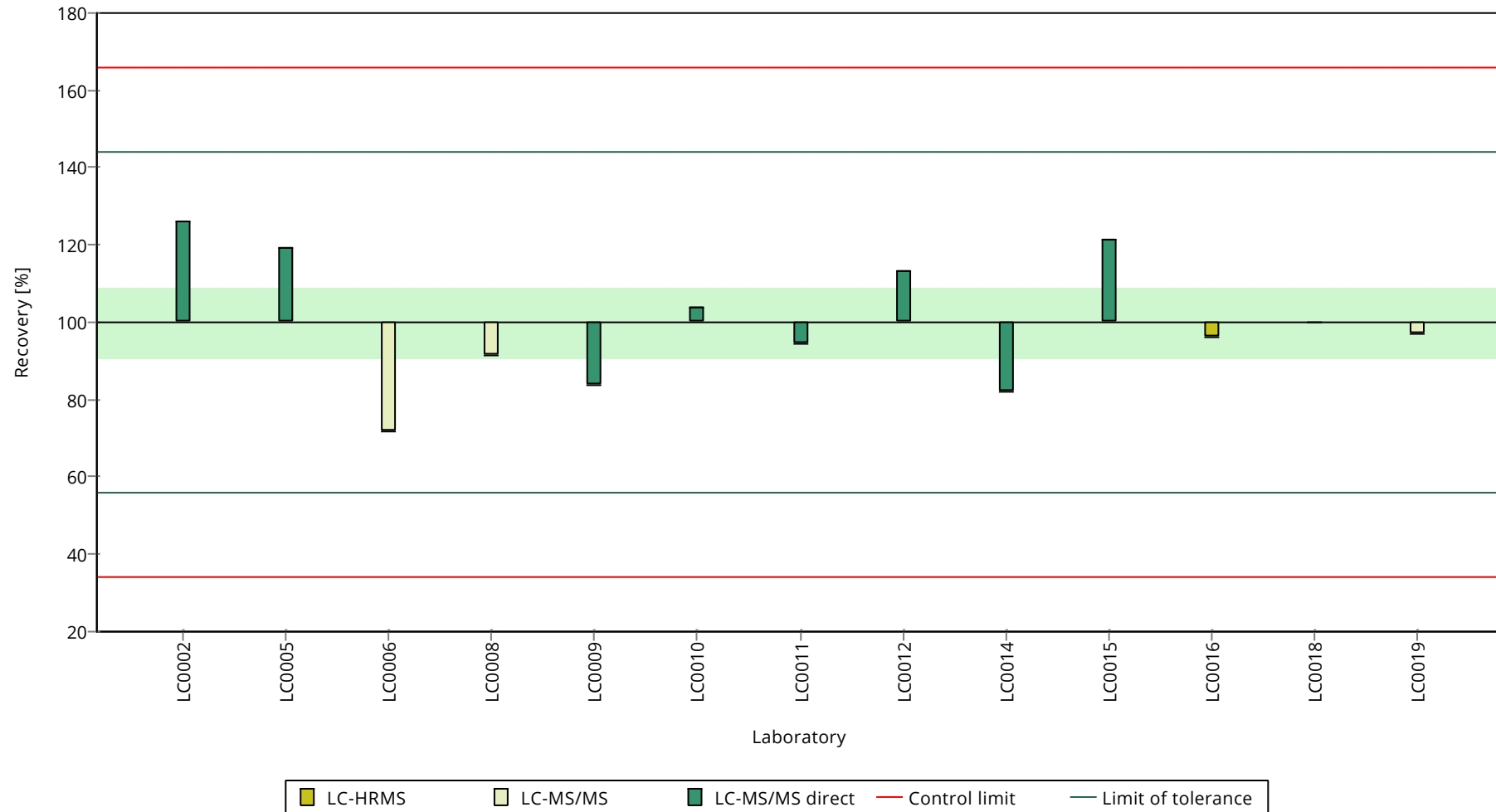
	all results	without outliers	Unit
Mean ± CI (99%)	0.17 ± 0.0231	0.17 ± 0.0231	µg/l
Minimum	0.122	0.122	µg/l
Maximum	0.214	0.214	µg/l
Standard deviation	0.0278	0.0278	µg/l
rel. standard deviation	16.4	16.4	%
n	13	13	-

Graphical presentation of results

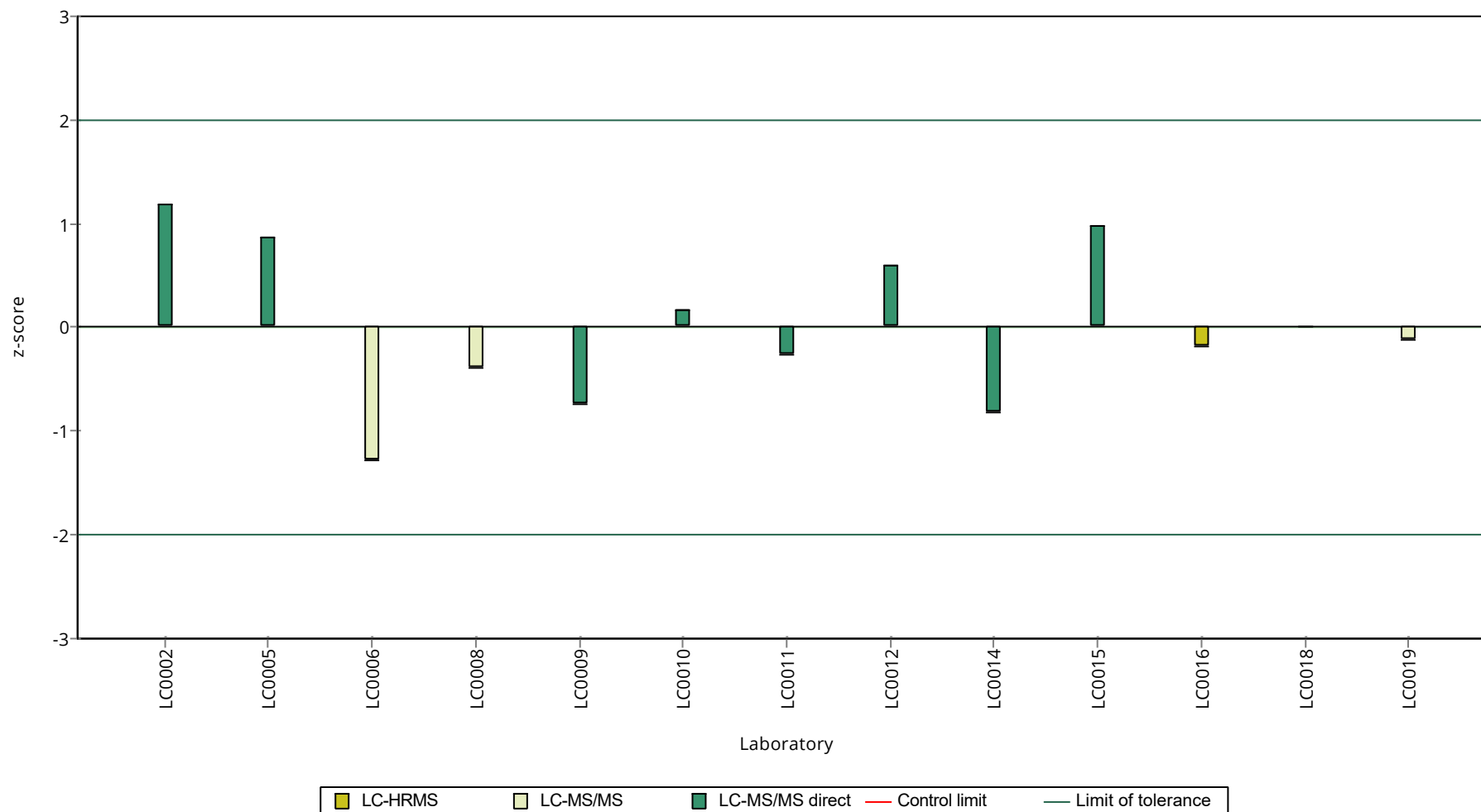
Results



Recovery rate



z-score



Parameter oriented report

AZ13 A

Sucralose

Unit	µg/l
Assigned value ± U (k=2)	0.629 ± 0.074
Criterion	0.157 (25 %)
Minimum - Maximum	0.474 - 0.839
Control test value ± U (k=2)	0.746 ± 0.373

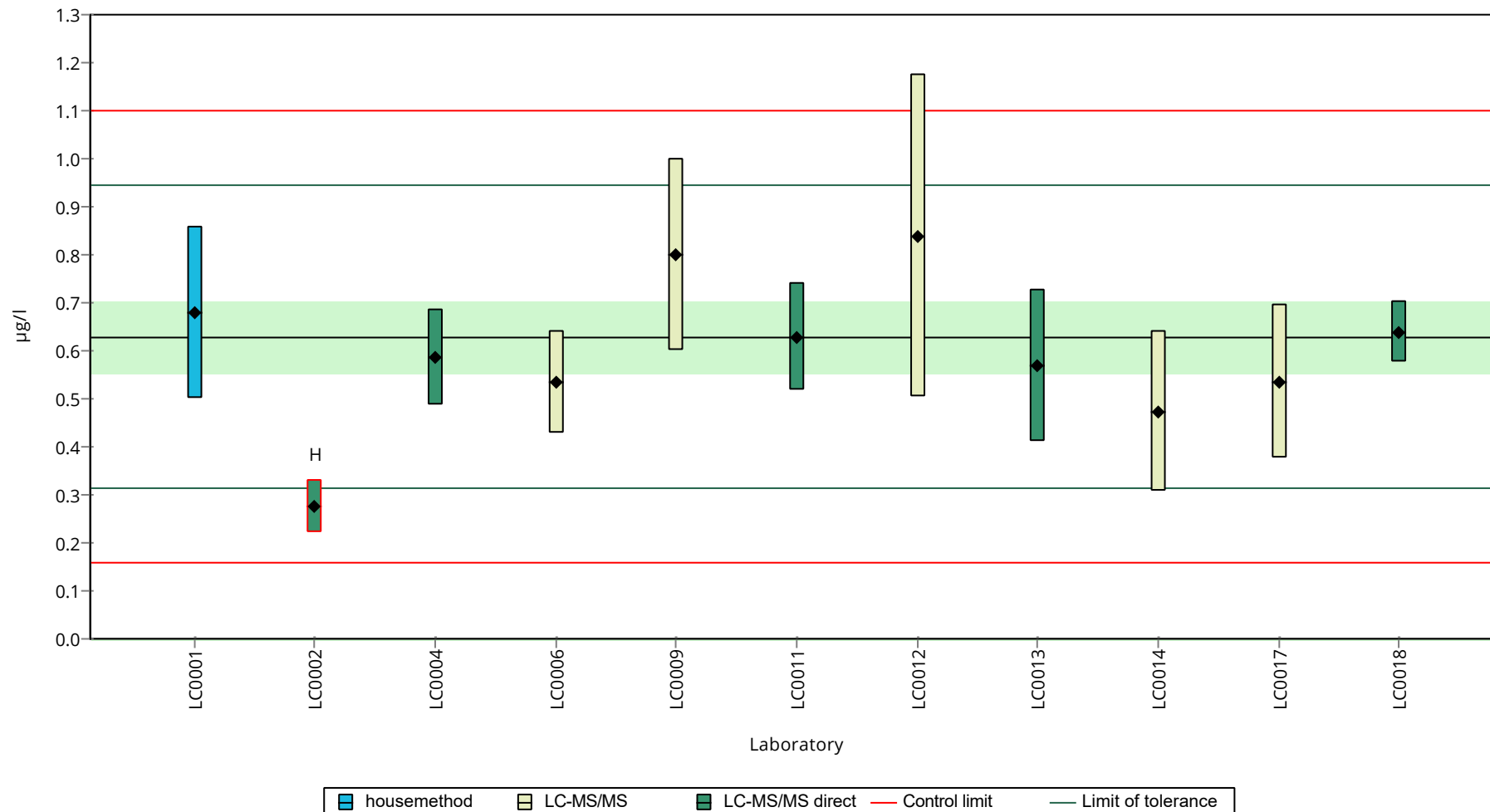
Labcode	Result ± U	Recovery [%]	z-Score	Comments
LC0001	0.6791 ± 0.18	108	0.32	
LC0002	0.275 ± 0.055	43.7	-2.25	H
LC0004	0.586 ± 0.1	93.2	-0.27	
LC0005	- ± -	-	-	
LC0006	0.536 ± 0.107	85.2	-0.59	
LC0007	- ± -	-	-	
LC0008	- ± -	-	-	
LC0009	0.801 ± 0.2	127	1.1	
LC0010	- ± -	-	-	
LC0011	0.629 ± 0.113	100	0.00	
LC0012	0.839 ± 0.336	133	1.34	
LC0013	0.5686 ± 0.159	90.4	-0.38	
LC0014	0.474 ± 0.166	75.4	-0.98	
LC0015	- ± -	-	-	
LC0016	- ± -	-	-	
LC0017	0.536 ± 0.16	85.2	-0.59	
LC0018	0.639 ± 0.064	102	0.07	
LC0019	- ± -	-	-	
LC0020	- ± -	-	-	
LC0021	- ± -	-	-	

Characteristics of parameter

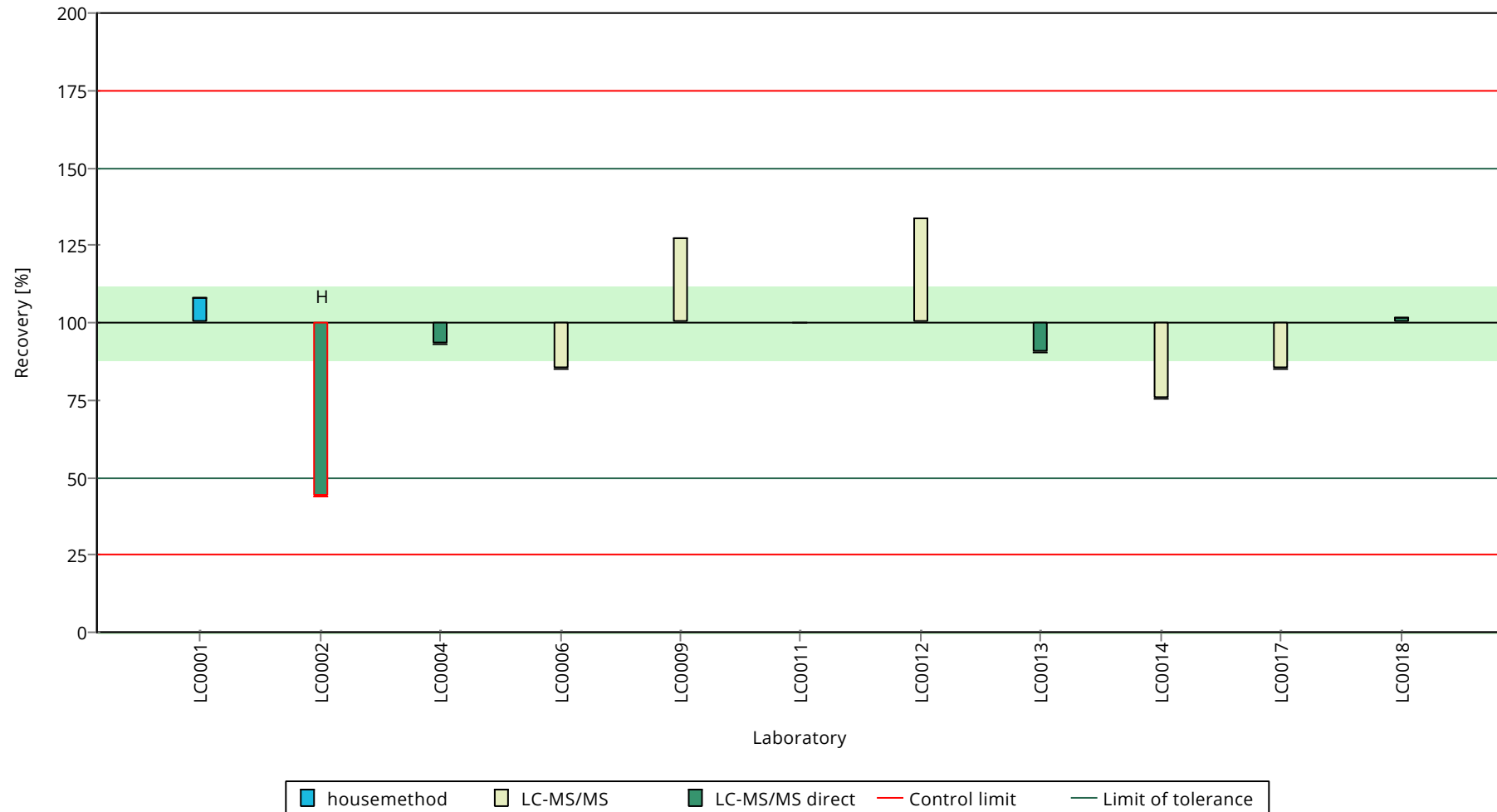
	all results	without outliers	Unit
Mean ± CI (99%)	0.597 ± 0.139	0.629 ± 0.111	µg/l
Minimum	0.275	0.474	µg/l
Maximum	0.839	0.839	µg/l
Standard deviation	0.154	0.117	µg/l
rel. standard deviation	25.8	18.6	%
n	11	10	-

Graphical presentation of results

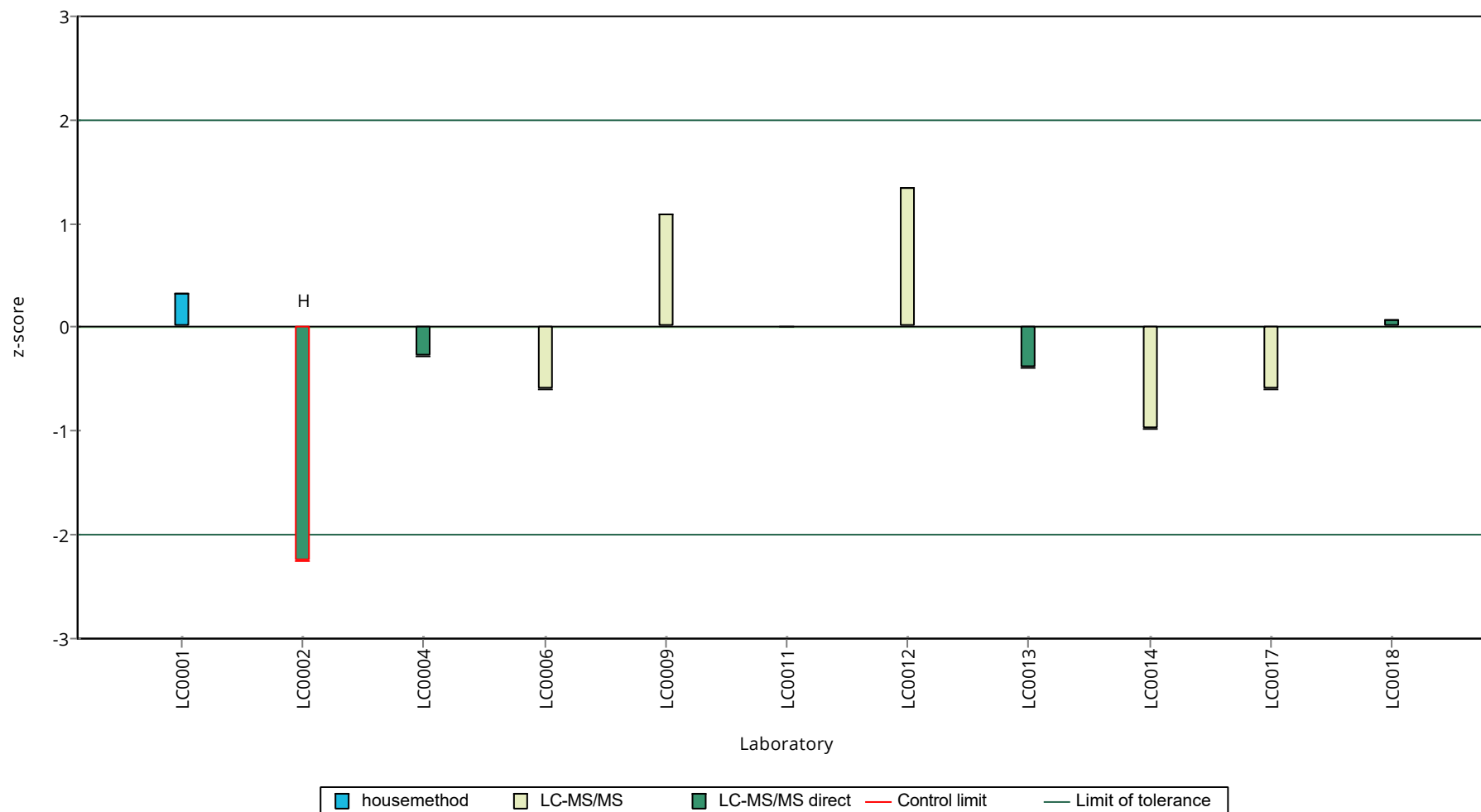
Results



Recovery rate



z-score



Parameter oriented report

AZ13 B

Sucralose

Unit	µg/l
Assigned value ± U (k=2)	33.4 ± 5.21
Criterion	8.69 (26 %)
Minimum - Maximum	21.5 - 50.2
Control test value ± U (k=2)	43.3 ± 21.6

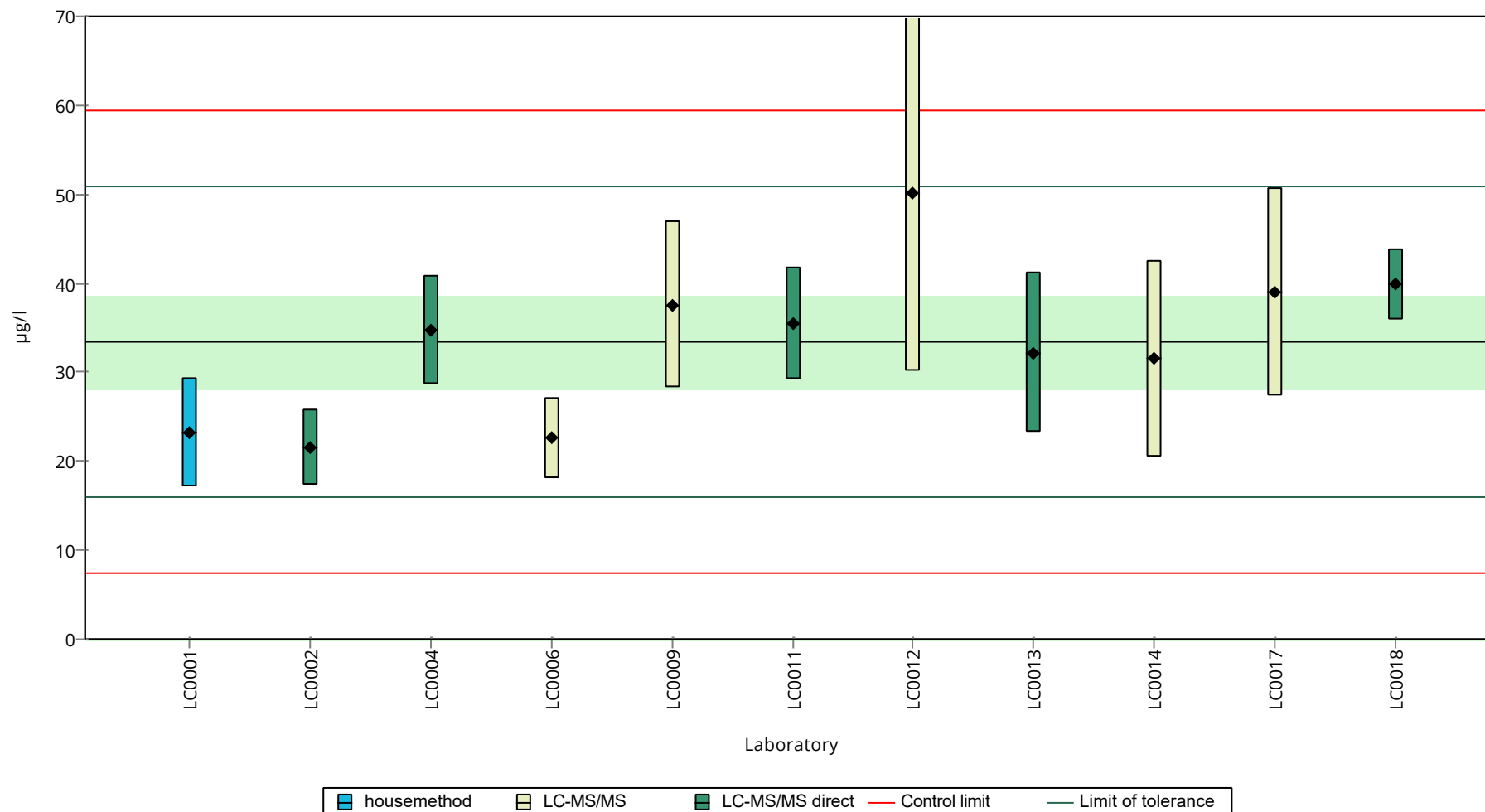
Labcode	Result ± U	Recovery [%]	z-Score	Comments
LC0001	23.2331 ± 6.1568	69.5	-1.17	
LC0002	21.5 ± 4.3	64.3	-1.37	
LC0004	34.7 ± 6.1	104	0.15	
LC0005	- ± -	-	-	
LC0006	22.6 ± 4.5	67.6	-1.25	
LC0007	- ± -	-	-	
LC0008	- ± -	-	-	
LC0009	37.55 ± 9.388	112	0.47	
LC0010	- ± -	-	-	
LC0011	35.439 ± 6.379	106	0.23	
LC0012	50.213 ± 20.085	150	1.93	
LC0013	32.16 ± 9	96.2	-0.15	
LC0014	31.5 ± 11	94.2	-0.22	
LC0015	- ± -	-	-	
LC0016	- ± -	-	-	
LC0017	39 ± 11.7	117	0.64	
LC0018	39.85 ± 3.99	119	0.74	
LC0019	- ± -	-	-	
LC0020	- ± -	-	-	
LC0021	- ± -	-	-	

Characteristics of parameter

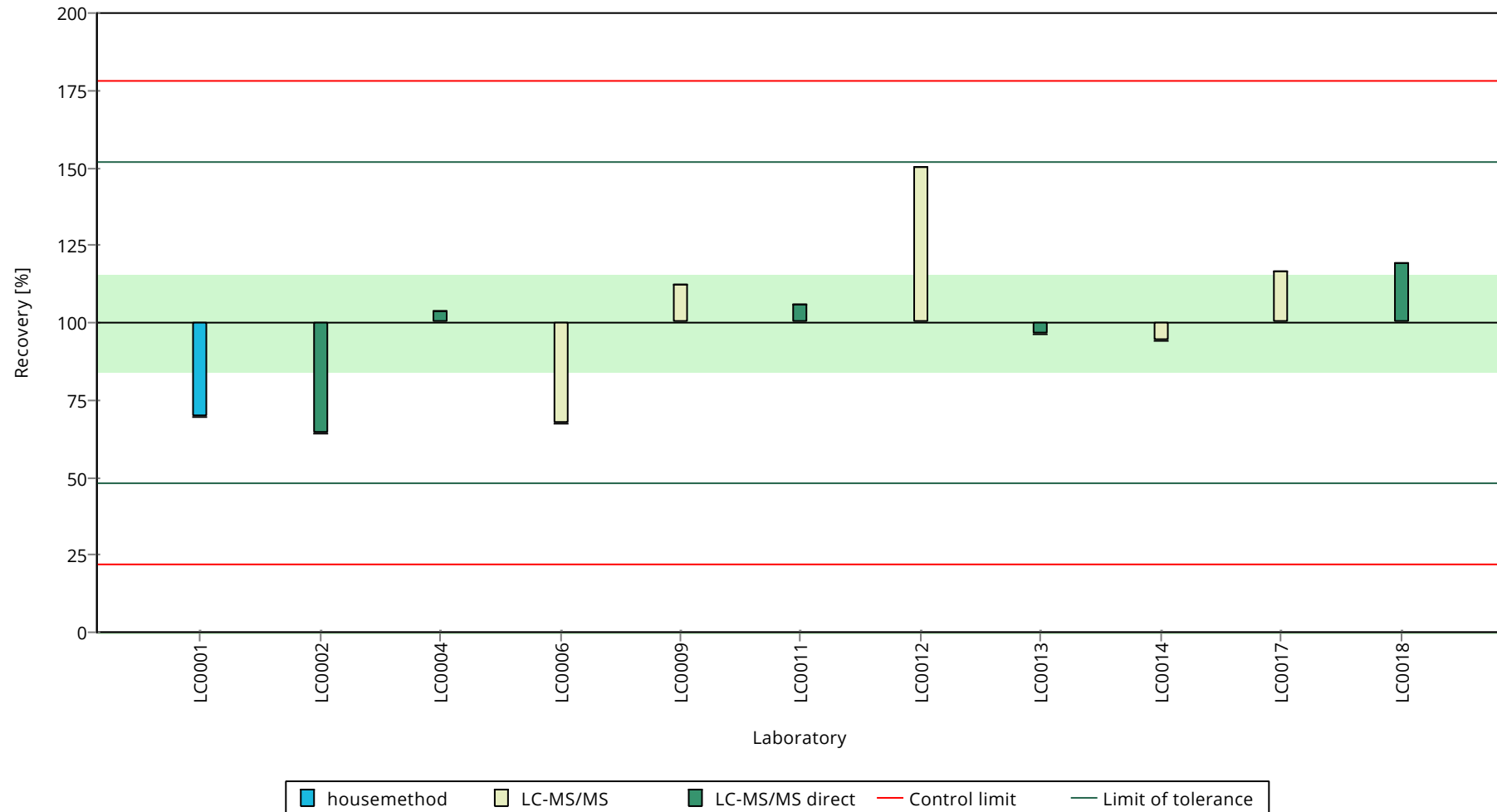
	all results	without outliers	Unit
Mean ± CI (99%)	33.4 ± 7.81	33.4 ± 7.81	µg/l
Minimum	21.5	21.5	µg/l
Maximum	50.2	50.2	µg/l
Standard deviation	8.63	8.63	µg/l
rel. standard deviation	25.8	25.8	%
n	11	11	-

Graphical presentation of results

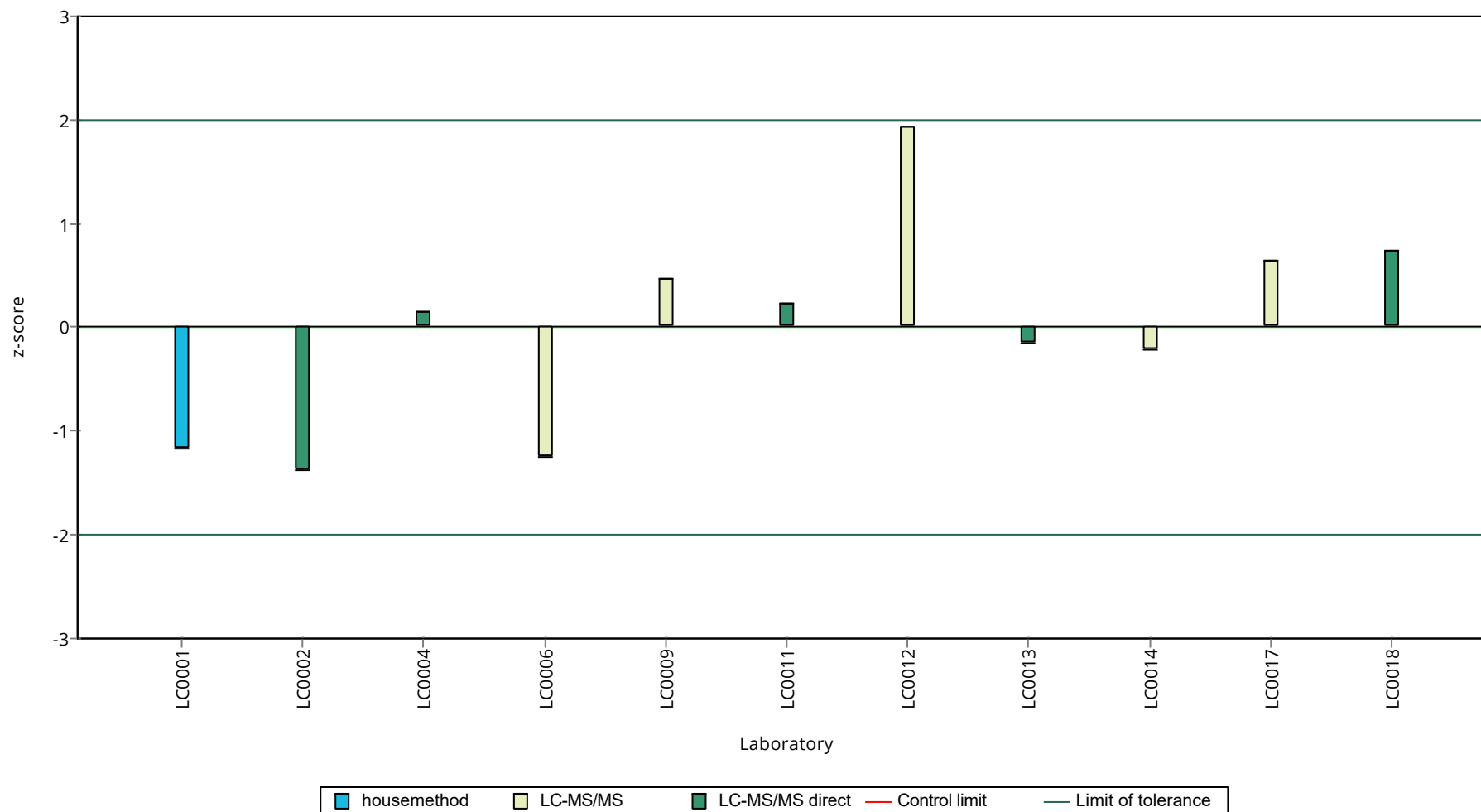
Results



Recovery rate



z-Score



Parameter oriented report

AZ13 A

Sulfamethoxazole

Unit	µg/l
Assigned value ± U (k=2)	0.176 ± 0.00987
Criterion	0.0212 (12 %)
Minimum - Maximum	0.15 - 0.22
Control test value ± U (k=2)	0.210 ± 0.0735

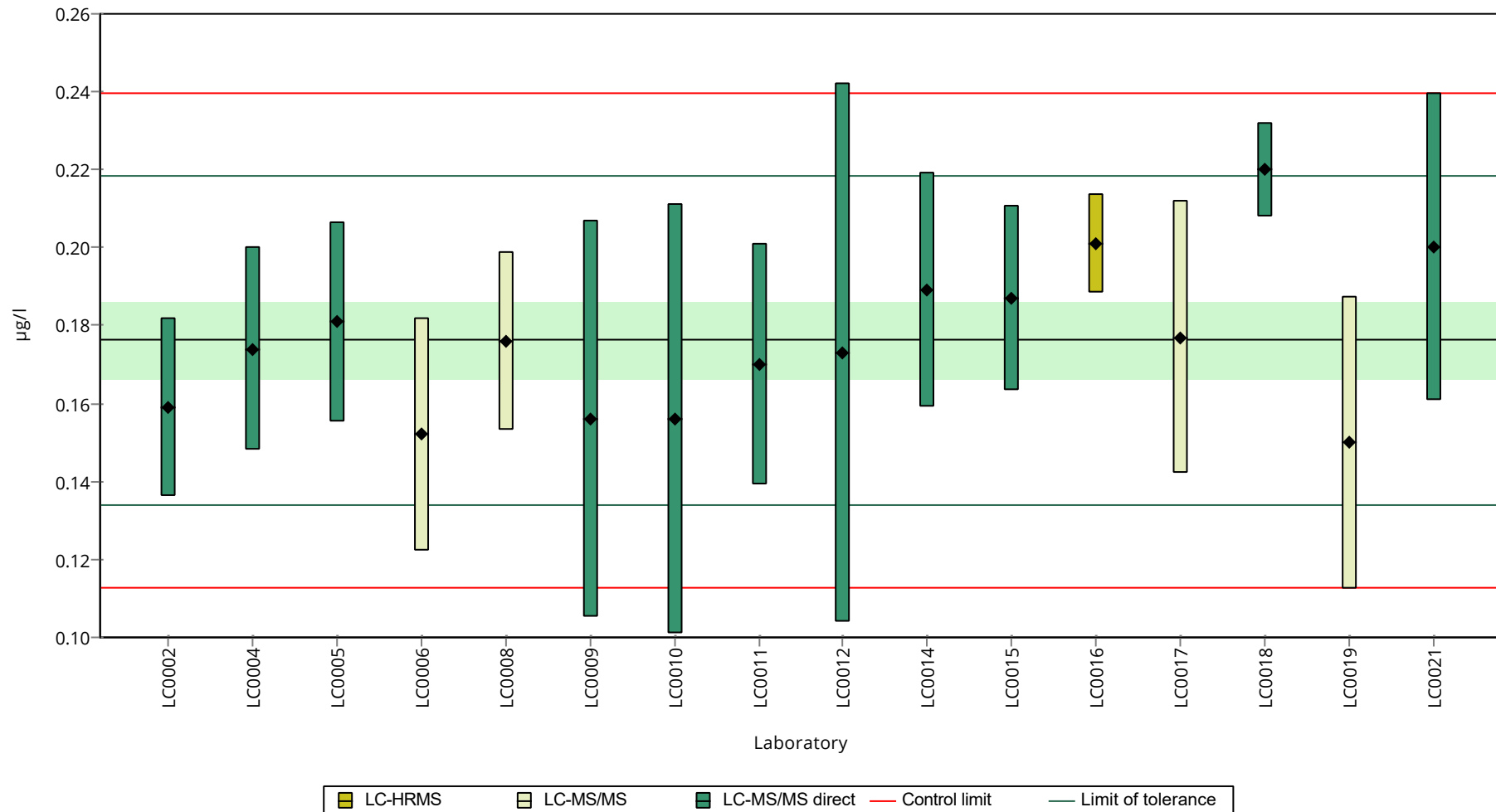
Labcode	Result ± U	Recovery [%]	z-Score	Comments
LC0001	- ± -	-	-	
LC0002	0.159 ± 0.023	90.2	-0.82	
LC0004	0.174 ± 0.026	98.7	-0.11	
LC0005	0.1809 ± 0.0258	103	0.22	
LC0006	0.152 ± 0.03	86.2	-1.15	
LC0007	- ± -	-	-	
LC0008	0.176 ± 0.0229	99.8	-0.01	
LC0009	0.156 ± 0.051	88.5	-0.96	
LC0010	0.156 ± 0.055	88.5	-0.96	
LC0011	0.17 ± 0.031	96.4	-0.3	
LC0012	0.173 ± 0.069	98.1	-0.16	
LC0013	- ± -	-	-	
LC0014	0.189 ± 0.0302	107	0.6	
LC0015	0.187 ± 0.0236	106	0.51	
LC0016	0.201 ± 0.0126	114	1.17	
LC0017	0.177 ± 0.035	100	0.03	
LC0018	0.22 ± 0.012	125	2.07	
LC0019	0.15 ± 0.0375	85.1	-1.24	
LC0020	- ± -	-	-	
LC0021	0.2 ± 0.0395	113	1.12	

Characteristics of parameter

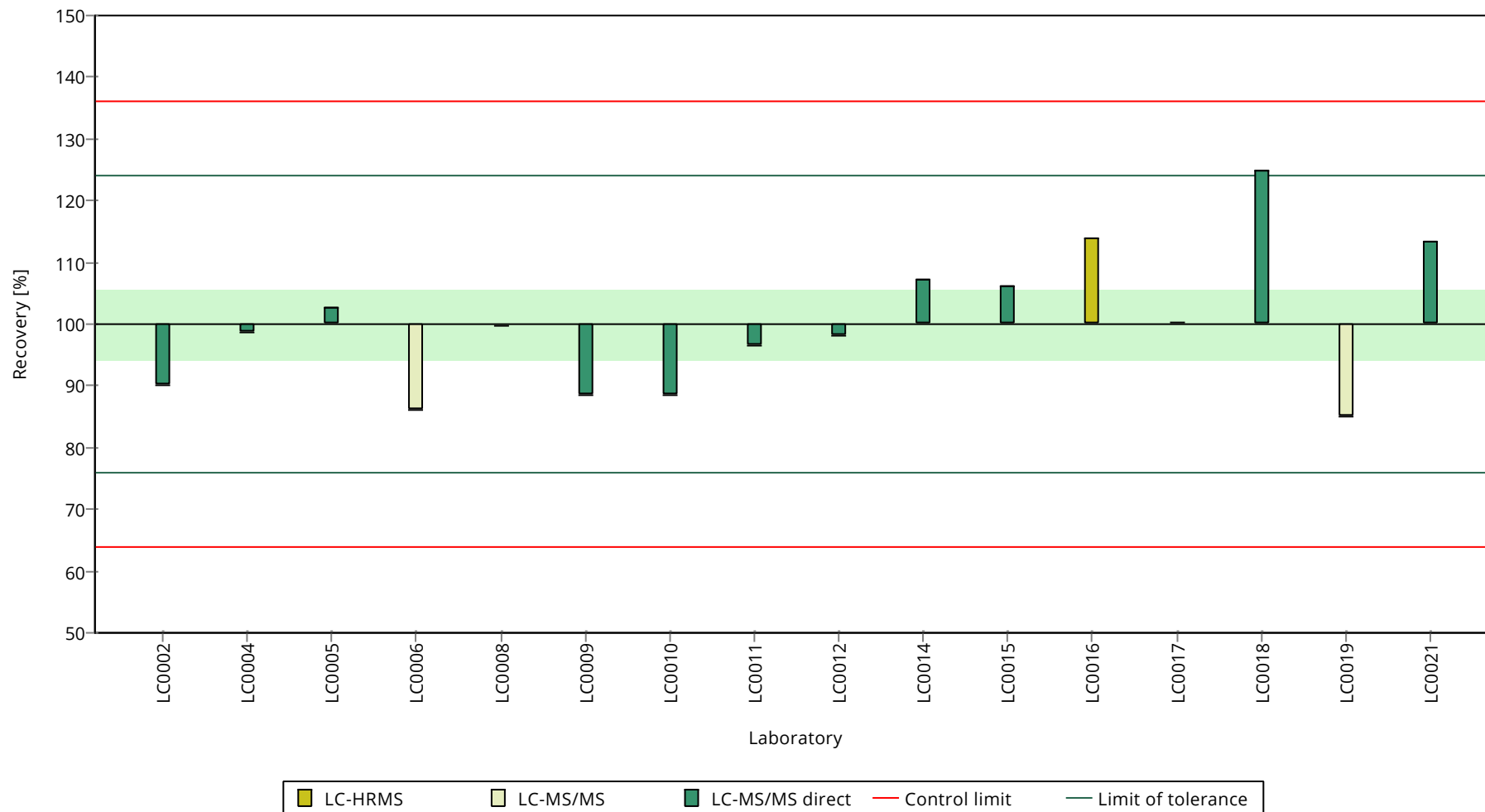
	all results	without outliers	Unit
Mean ± CI (99%)	0.176 ± 0.0148	0.176 ± 0.0148	µg/l
Minimum	0.15	0.15	µg/l
Maximum	0.22	0.22	µg/l
Standard deviation	0.0197	0.0197	µg/l
rel. standard deviation	11.2	11.2	%
n	16	16	-

Graphical presentation of results

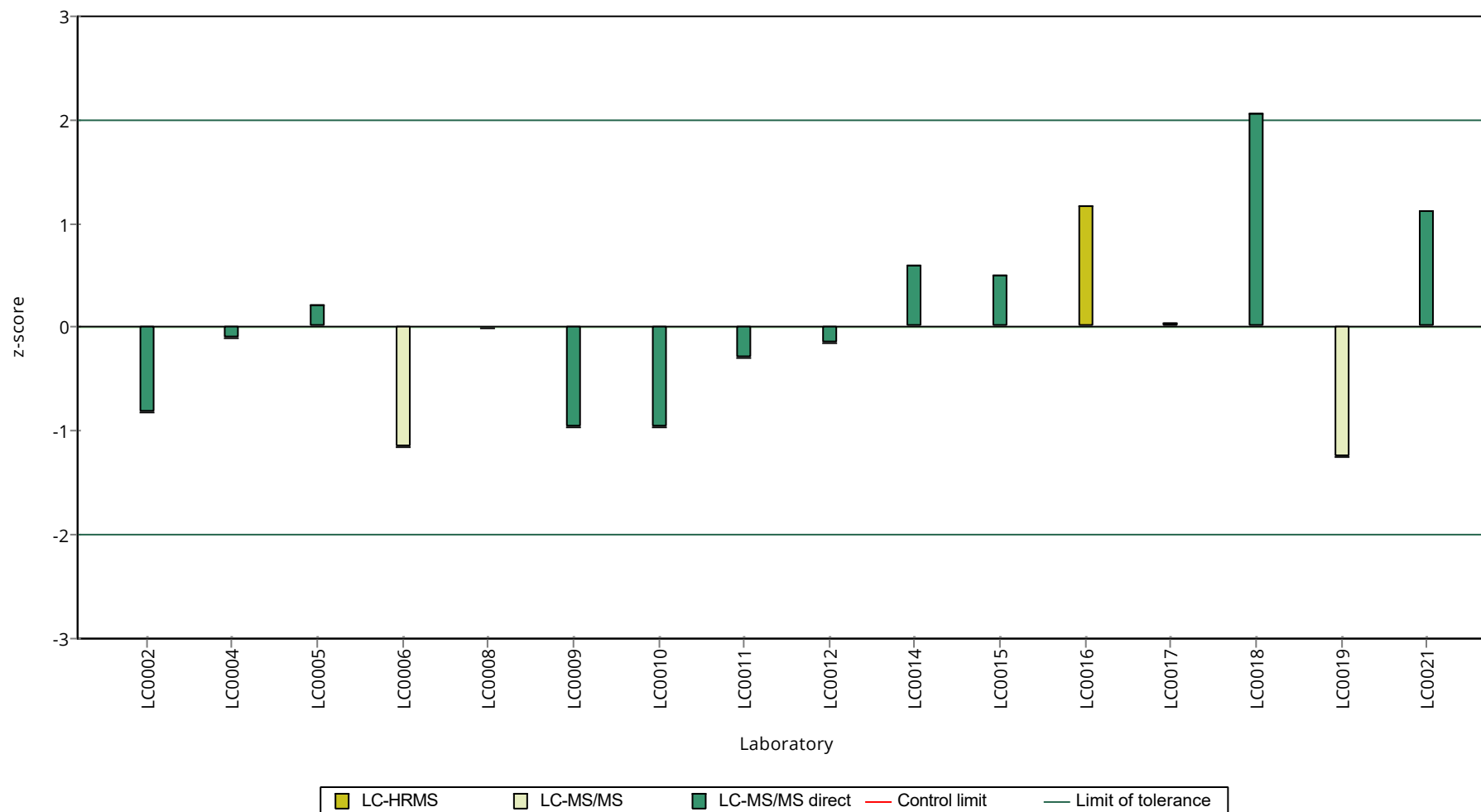
Results



Recovery rate



z-score



Parameter oriented report

AZ13 B

Sulfamethoxazole

Unit	µg/l
Assigned value ± U (k=2)	0.146 ± 0.00868
Criterion	0.0175 (12 %)
Minimum - Maximum	0.115 - 0.179
Control test value ± U (k=2)	0.194 ± 0.068

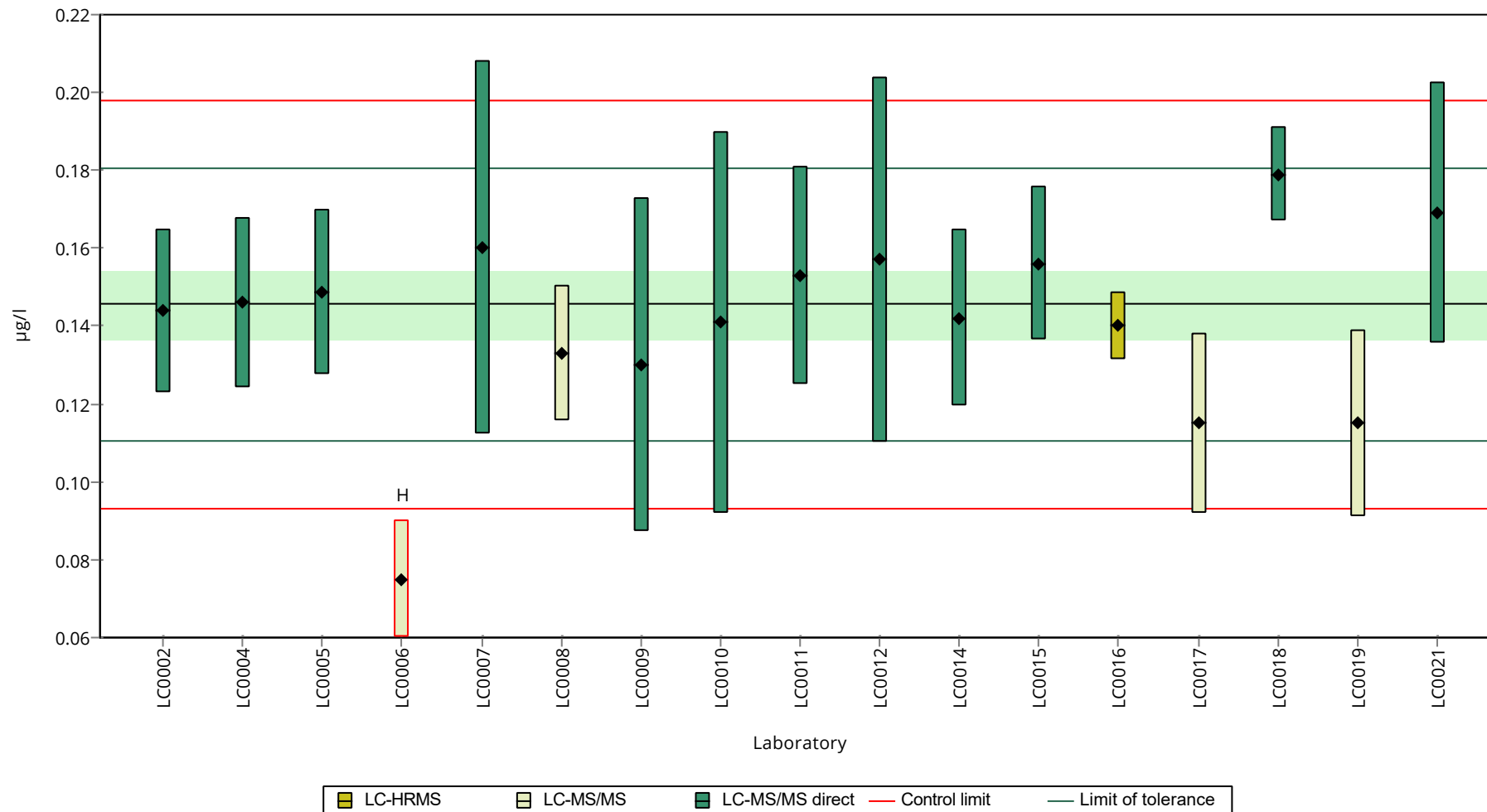
Labcode	Result ± U	Recovery [%]	z-Score	Comments
LC0001	- ± -	-	-	
LC0002	0.144 ± 0.021	98.9	-0.09	
LC0004	0.146 ± 0.022	100	0.03	
LC0005	0.1487 ± 0.0212	102	0.18	
LC0006	0.075 ± 0.015	51.5	-4.04	H
LC0007	0.16 ± 0.048	110	0.83	
LC0008	0.133 ± 0.0173	91.4	-0.72	
LC0009	0.13 ± 0.043	89.3	-0.89	
LC0010	0.141 ± 0.049	96.9	-0.26	
LC0011	0.153 ± 0.028	105	0.43	
LC0012	0.157 ± 0.047	108	0.66	
LC0013	- ± -	-	-	
LC0014	0.142 ± 0.0227	97.6	-0.2	
LC0015	0.156 ± 0.0197	107	0.6	
LC0016	0.14 ± 0.00879	96.2	-0.32	
LC0017	0.115 ± 0.023	79	-1.75	
LC0018	0.179 ± 0.012	123	1.92	
LC0019	0.115 ± 0.024	79	-1.75	
LC0020	- ± -	-	-	
LC0021	0.169 ± 0.0334	116	1.34	

Characteristics of parameter

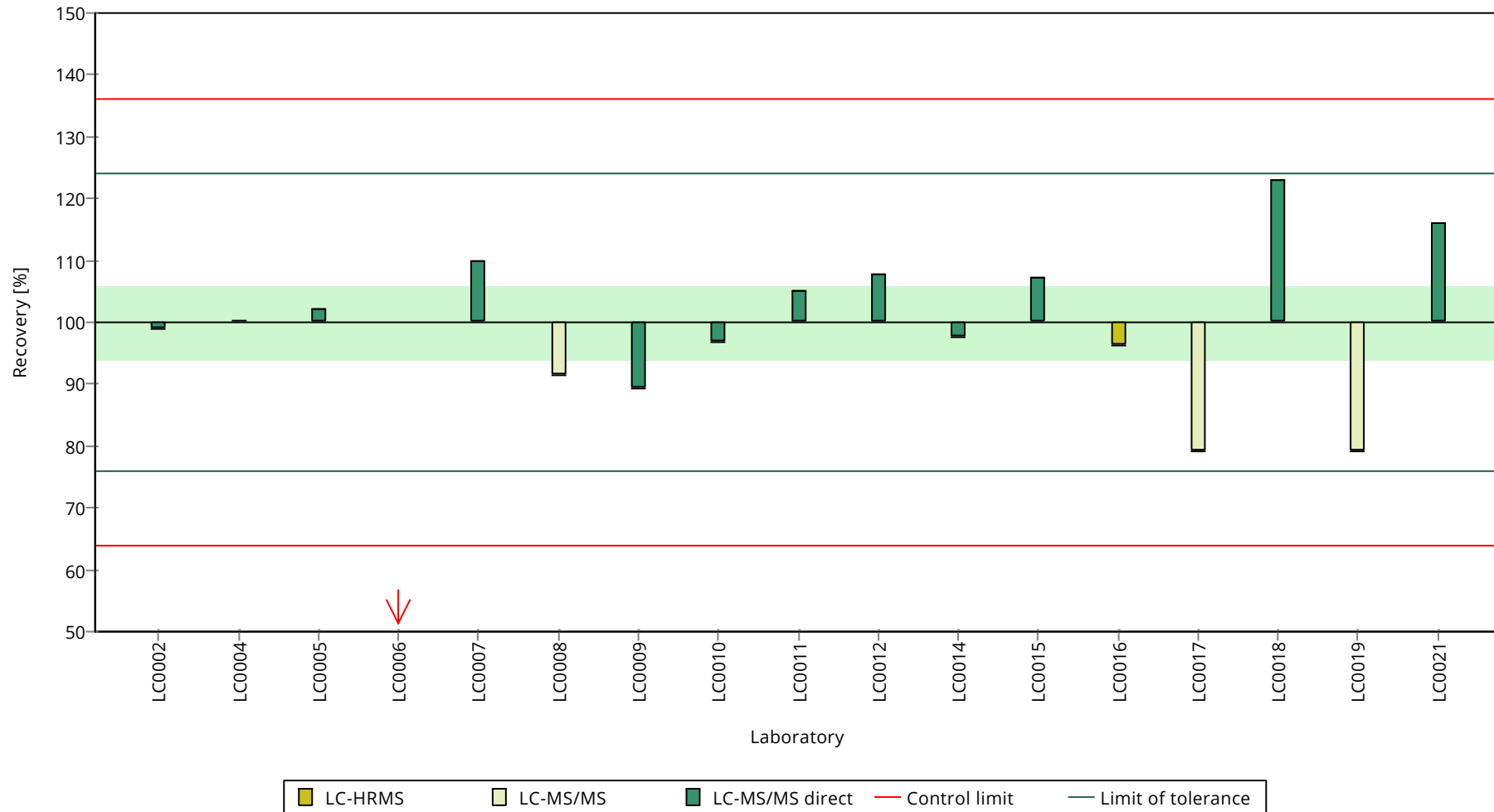
	all results	without outliers	Unit
Mean ± CI (99%)	0.141 ± 0.0174	0.146 ± 0.013	µg/l
Minimum	0.075	0.115	µg/l
Maximum	0.179	0.179	µg/l
Standard deviation	0.024	0.0174	µg/l
rel. standard deviation	17	11.9	%
n	17	16	-

Graphical presentation of results

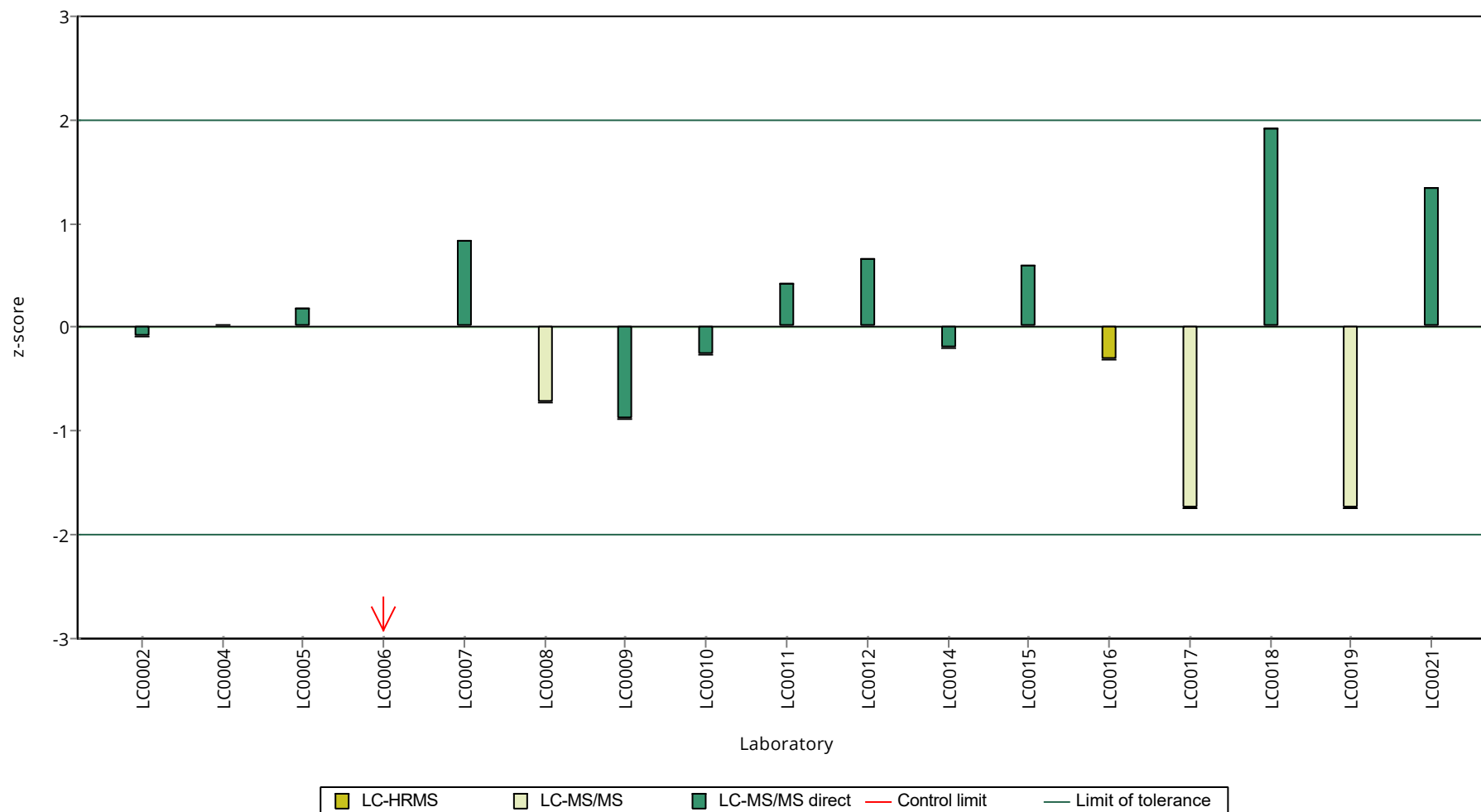
Results



Recovery rate



z-Score



E8. Labororientierte Auswertung / Laboratory oriented report

Die Labororientierte Auswertung ist nach dem Laborcode sortiert.

The laboratory oriented report is sorted by laboratory code.

Summary of results Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ13

Labcode: LC0001

Sample: AZ13A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	$\mu\text{g/l}$	0.398 \pm 0.0343	- \pm -	0.0518	-	-
4-Formylaminoantipyrine	$\mu\text{g/l}$	0.184 \pm 0.0288	- \pm -	0.0386	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	$\mu\text{g/l}$	0.0947 \pm 0.0157	- \pm -	0.0189	-	-
Acesulfame	$\mu\text{g/l}$	0.317 \pm 0.0186	0.2064 \pm 0.0403	0.0539	65.1	-2.06
Amidotrizoic acid	$\mu\text{g/l}$	0.22 \pm 0.0192	- \pm -	0.044	-	-
Atenolol	$\mu\text{g/l}$	0.327 \pm 0.0367	- \pm -	0.0655	-	-
Benzotriazole	$\mu\text{g/l}$	0.0794 \pm 0.00279	- \pm -	0.00953	-	-
Bisoprolol	$\mu\text{g/l}$	0.189 \pm 0.0306	- \pm -	0.0398	-	-
Carbamazepine	$\mu\text{g/l}$	0.167 \pm 0.0143	0.1019 \pm 0.0096	0.0301	60.9	-2.17
Cyclamate	$\mu\text{g/l}$	0.171 \pm 0.0189	0.1095 \pm 0.0205	0.0342	64.1	-1.80
Diazepam	$\mu\text{g/l}$	- \pm -	- \pm -	-	-	-
Diclofenac	$\mu\text{g/l}$	0.175 \pm 0.00654	0.1209 \pm 0.0249	0.0245	69	-2.21
Ibuprofen	$\mu\text{g/l}$	0.258 \pm 0.0363	0.1515 \pm 0.0184	0.0645	58.7	-1.65
Iopamidol	$\mu\text{g/l}$	0.348 \pm 0.0479	- \pm -	0.087	-	-
Metoprolol	$\mu\text{g/l}$	0.192 \pm 0.00971	- \pm -	0.0327	-	-
Saccharin	$\mu\text{g/l}$	0.389 \pm 0.0585	0.305 \pm 0.0371	0.101	78.4	-0.83
Sotalol	$\mu\text{g/l}$	0.426 \pm 0.0424	- \pm -	0.0937	-	-
Sucralose	$\mu\text{g/l}$	0.629 \pm 0.074	0.6791 \pm 0.18	0.157	108	0.32
Sulfamethoxazole	$\mu\text{g/l}$	0.176 \pm 0.00987	- \pm -	0.0212	-	-

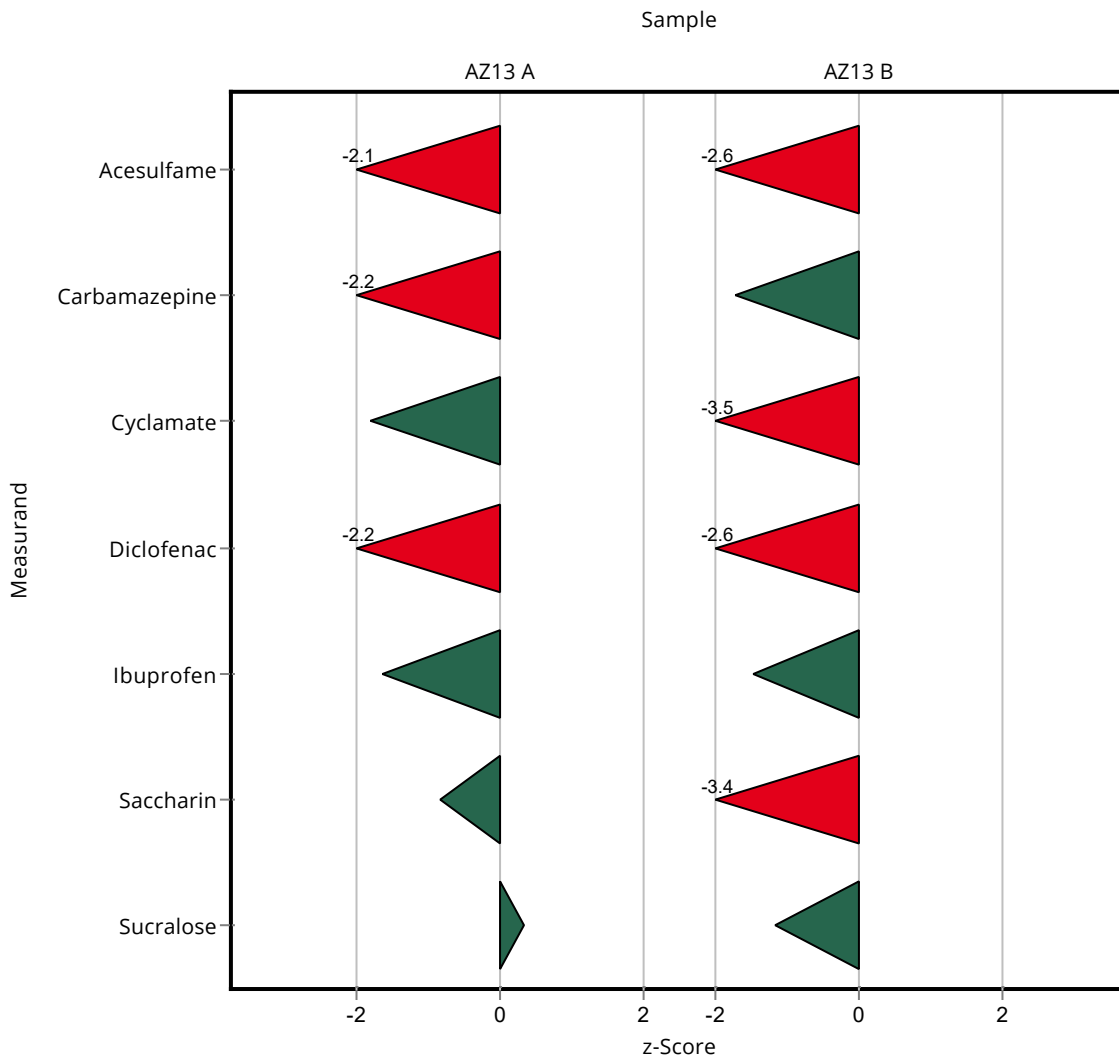
Sample: AZ13B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	$\mu\text{g/l}$	3.94 \pm 0.481	- \pm -	0.631	-	-
4-Formylaminoantipyrine	$\mu\text{g/l}$	- \pm -	- \pm -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	$\mu\text{g/l}$	0.98 \pm 0.188	- \pm -	0.235	-	-

Summary of results Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ13

Labcode: LC0001

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Acesulfame	$\mu\text{g/l}$	0.735 \pm 0.0494	0.4157 \pm 0.0812	0.125	56.6	-2.55
Amidotrizoic acid	$\mu\text{g/l}$	1.36 \pm 0.108	- \pm -	0.272	-	-
Atenolol	$\mu\text{g/l}$	0.248 \pm 0.0203	- \pm -	0.0497	-	-
Benzotriazole	$\mu\text{g/l}$	4.8 \pm 0.293	- \pm -	0.624	-	-
Bisoprolol	$\mu\text{g/l}$	0.447 \pm 0.0529	- \pm -	0.0848	-	-
Carbamazepine	$\mu\text{g/l}$	0.366 \pm 0.0336	0.2392 \pm 0.0226	0.0731	65.4	-1.73
Cyclamate	$\mu\text{g/l}$	0.338 \pm 0.0312	0.1044 \pm 0.0195	0.0677	30.8	-3.46
Diazepam	$\mu\text{g/l}$	- \pm -	- \pm -	-	-	-
Diclofenac	$\mu\text{g/l}$	2.76 \pm 0.161	1.7754 \pm 0.3647	0.387	64.3	-2.55
Ibuprofen	$\mu\text{g/l}$	0.688 \pm 0.102	0.4228 \pm 0.0514	0.179	61.5	-1.48
Iopamidol	$\mu\text{g/l}$	50 \pm 4.77	- \pm -	10	-	-
Metoprolol	$\mu\text{g/l}$	0.187 \pm 0.016	- \pm -	0.0318	-	-
Saccharin	$\mu\text{g/l}$	23.3 \pm 1.28	11.2983 \pm 1.3739	3.5	48.4	-3.44
Sotalol	$\mu\text{g/l}$	0.17 \pm 0.0154	- \pm -	0.0373	-	-
Sucralose	$\mu\text{g/l}$	33.4 \pm 5.21	23.2331 \pm 6.1568	8.69	69.5	-1.17
Sulfamethoxazole	$\mu\text{g/l}$	0.146 \pm 0.00868	- \pm -	0.0175	-	-



Sample: AZ13A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	$\mu\text{g/l}$	0.398 \pm 0.0343	- \pm -	0.0518	-	-
4-Formylaminoantipyrine	$\mu\text{g/l}$	0.184 \pm 0.0288	- \pm -	0.0386	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	$\mu\text{g/l}$	0.0947 \pm 0.0157	- \pm -	0.0189	-	-
Acesulfame	$\mu\text{g/l}$	0.317 \pm 0.0186	0.2064 \pm 0.0403	0.0539	65.1	-1.34
Amidotrizoic acid	$\mu\text{g/l}$	0.22 \pm 0.0192	- \pm -	0.044	-	-
Atenolol	$\mu\text{g/l}$	0.327 \pm 0.0367	- \pm -	0.0655	-	-
Benzotriazole	$\mu\text{g/l}$	0.0794 \pm 0.00279	- \pm -	0.00953	-	-
Bisoprolol	$\mu\text{g/l}$	0.189 \pm 0.0306	- \pm -	0.0398	-	-
Carbamazepine	$\mu\text{g/l}$	0.167 \pm 0.0143	0.1019 \pm 0.0096	0.0301	60.9	-2.73
Cyclamate	$\mu\text{g/l}$	0.171 \pm 0.0189	0.1095 \pm 0.0205	0.0342	64.1	-1.36
Diazepam	$\mu\text{g/l}$	- \pm -	- \pm -	-	-	-
Diclofenac	$\mu\text{g/l}$	0.175 \pm 0.00654	0.1209 \pm 0.0249	0.0245	69	-1.08
Ibuprofen	$\mu\text{g/l}$	0.258 \pm 0.0363	0.1515 \pm 0.0184	0.0645	58.7	-2.06
Iopamidol	$\mu\text{g/l}$	0.348 \pm 0.0479	- \pm -	0.087	-	-
Metoprolol	$\mu\text{g/l}$	0.192 \pm 0.00971	- \pm -	0.0327	-	-
Saccharin	$\mu\text{g/l}$	0.389 \pm 0.0585	0.305 \pm 0.0371	0.101	78.4	-0.89
Sotalol	$\mu\text{g/l}$	0.426 \pm 0.0424	- \pm -	0.0937	-	-
Sucralose	$\mu\text{g/l}$	0.629 \pm 0.074	0.6791 \pm 0.18	0.157	108	0.14
Sulfamethoxazole	$\mu\text{g/l}$	0.176 \pm 0.00987	- \pm -	0.0212	-	-

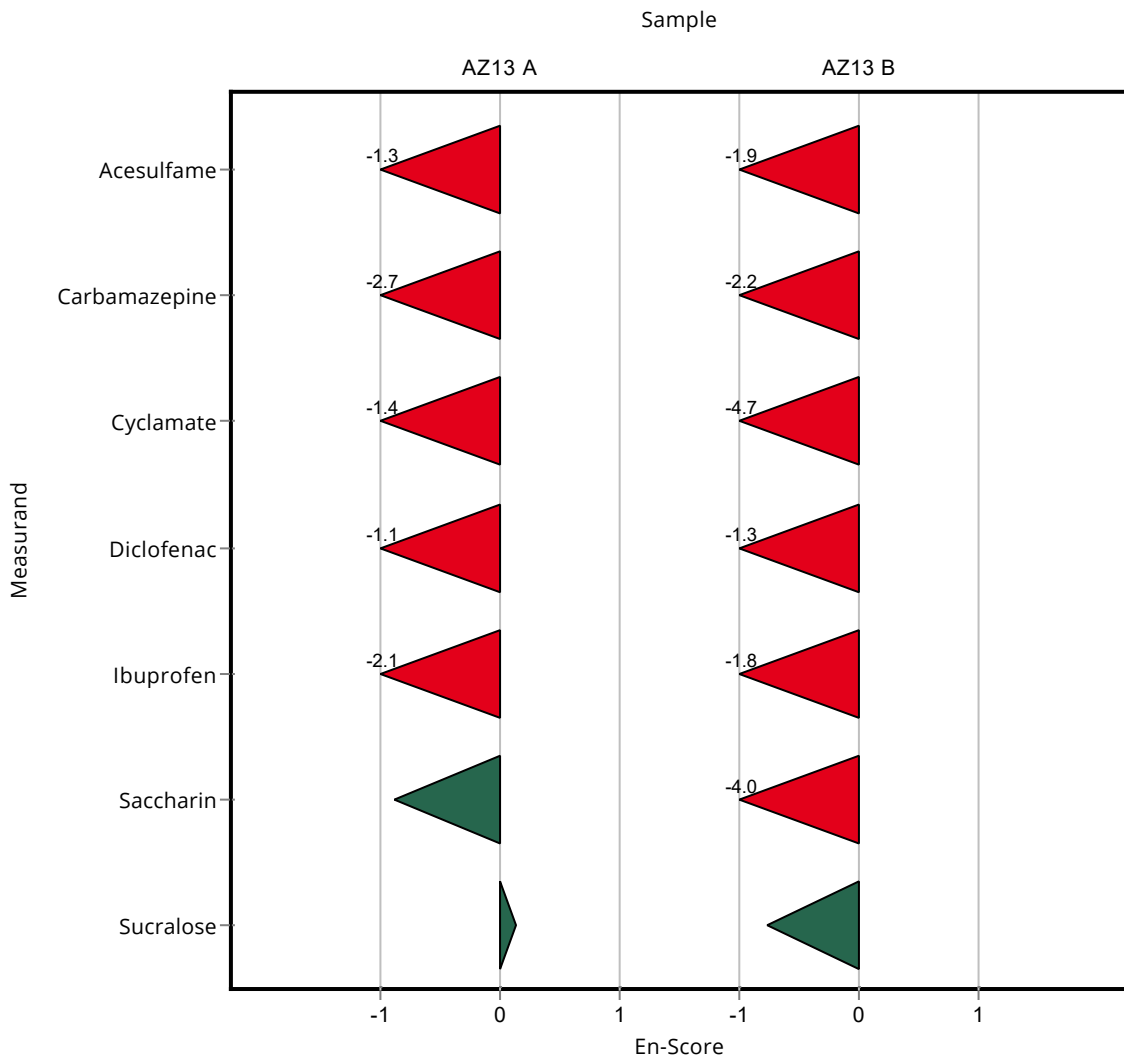
Sample: AZ13B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	$\mu\text{g/l}$	3.94 \pm 0.481	- \pm -	0.631	-	-
4-Formylaminoantipyrine	$\mu\text{g/l}$	- \pm -	- \pm -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	$\mu\text{g/l}$	0.98 \pm 0.188	- \pm -	0.235	-	-

Summary of results Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ13 - En-Score

Labcode: LC0001

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Acesulfame	$\mu\text{g/l}$	0.735 \pm 0.0494	0.4157 \pm 0.0812	0.125	56.6	-1.88
Amidotrizoic acid	$\mu\text{g/l}$	1.36 \pm 0.108	- \pm -	0.272	-	-
Atenolol	$\mu\text{g/l}$	0.248 \pm 0.0203	- \pm -	0.0497	-	-
Benzotriazole	$\mu\text{g/l}$	4.8 \pm 0.293	- \pm -	0.624	-	-
Bisoprolol	$\mu\text{g/l}$	0.447 \pm 0.0529	- \pm -	0.0848	-	-
Carbamazepine	$\mu\text{g/l}$	0.366 \pm 0.0336	0.2392 \pm 0.0226	0.0731	65.4	-2.25
Cyclamate	$\mu\text{g/l}$	0.338 \pm 0.0312	0.1044 \pm 0.0195	0.0677	30.8	-4.69
Diazepam	$\mu\text{g/l}$	- \pm -	- \pm -	-	-	-
Diclofenac	$\mu\text{g/l}$	2.76 \pm 0.161	1.7754 \pm 0.3647	0.387	64.3	-1.32
Ibuprofen	$\mu\text{g/l}$	0.688 \pm 0.102	0.4228 \pm 0.0514	0.179	61.5	-1.83
Iopamidol	$\mu\text{g/l}$	50 \pm 4.77	- \pm -	10	-	-
Metoprolol	$\mu\text{g/l}$	0.187 \pm 0.016	- \pm -	0.0318	-	-
Saccharin	$\mu\text{g/l}$	23.3 \pm 1.28	11.2983 \pm 1.3739	3.5	48.4	-3.97
Sotalol	$\mu\text{g/l}$	0.17 \pm 0.0154	- \pm -	0.0373	-	-
Sucralose	$\mu\text{g/l}$	33.4 \pm 5.21	23.2331 \pm 6.1568	8.69	69.5	-0.76
Sulfamethoxazole	$\mu\text{g/l}$	0.146 \pm 0.00868	- \pm -	0.0175	-	-



Summary of results Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ13

Labcode: LC0002

Sample: AZ13A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	$\mu\text{g/l}$	0.398 \pm 0.0343	- \pm -	0.0518	-	-
4-Formylaminoantipyrine	$\mu\text{g/l}$	0.184 \pm 0.0288	- \pm -	0.0386	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	$\mu\text{g/l}$	0.0947 \pm 0.0157	- \pm -	0.0189	-	-
Acesulfame	$\mu\text{g/l}$	0.317 \pm 0.0186	0.318 \pm 0.095	0.0539	100	0.01
Amidotrizoic acid	$\mu\text{g/l}$	0.22 \pm 0.0192	0.135 \pm 0.027	0.044	61.3	-1.93
Atenolol	$\mu\text{g/l}$	0.327 \pm 0.0367	0.306 \pm 0.045	0.0655	93.5	-0.33
Benzotriazole	$\mu\text{g/l}$	0.0794 \pm 0.00279	0.122 \pm 0.03	0.00953	154	4.47
Bisoprolol	$\mu\text{g/l}$	0.189 \pm 0.0306	- \pm -	0.0398	-	-
Carbamazepine	$\mu\text{g/l}$	0.167 \pm 0.0143	0.21 \pm 0.031	0.0301	126	1.42
Cyclamate	$\mu\text{g/l}$	0.171 \pm 0.0189	0.163 \pm 0.049	0.0342	95.4	-0.23
Diazepam	$\mu\text{g/l}$	- \pm -	- \pm -	-	-	-
Diclofenac	$\mu\text{g/l}$	0.175 \pm 0.00654	<20 \pm -	0.0245	-	-
Ibuprofen	$\mu\text{g/l}$	0.258 \pm 0.0363	0.313 \pm 0.031	0.0645	121	0.85
Iopamidol	$\mu\text{g/l}$	0.348 \pm 0.0479	0.142 \pm 0.021	0.087	40.8	-2.37
Metoprolol	$\mu\text{g/l}$	0.192 \pm 0.00971	0.193 \pm 0.019	0.0327	100	0.02
Saccharin	$\mu\text{g/l}$	0.389 \pm 0.0585	- \pm -	0.101	-	-
Sotalol	$\mu\text{g/l}$	0.426 \pm 0.0424	0.155 \pm 0.031	0.0937	36.4	-2.89
Sucralose	$\mu\text{g/l}$	0.629 \pm 0.074	0.275 \pm 0.055	0.157	43.7	-2.25
Sulfamethoxazole	$\mu\text{g/l}$	0.176 \pm 0.00987	0.159 \pm 0.023	0.0212	90.2	-0.82

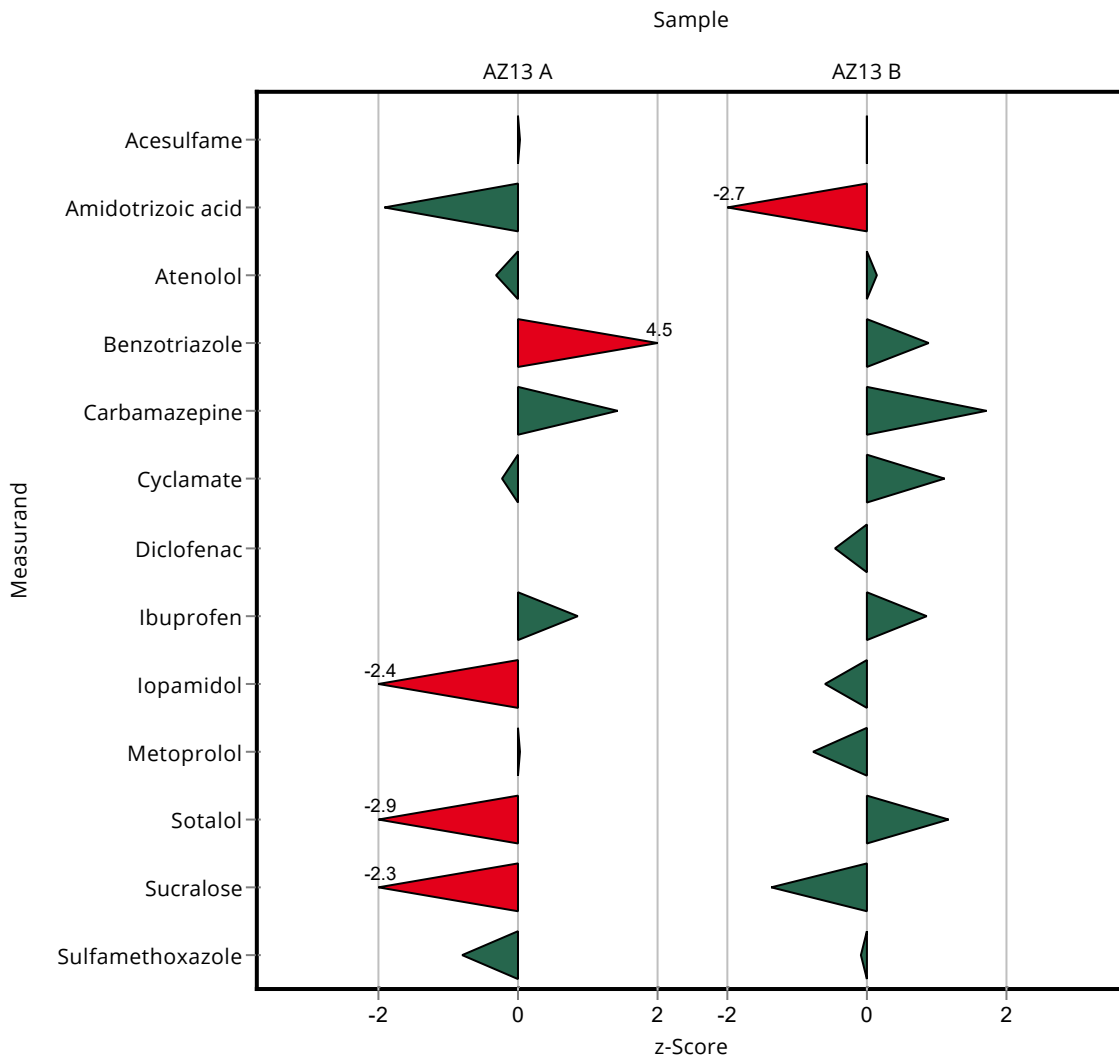
Sample: AZ13B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	$\mu\text{g/l}$	3.94 \pm 0.481	- \pm -	0.631	-	-
4-Formylaminoantipyrine	$\mu\text{g/l}$	- \pm -	- \pm -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	$\mu\text{g/l}$	0.98 \pm 0.188	- \pm -	0.235	-	-

Summary of results Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ13

Labcode: LC0002

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Acesulfame	$\mu\text{g/l}$	0.735 \pm 0.0494	0.735 \pm 0.22	0.125	100	0.00
Amidotrizoic acid	$\mu\text{g/l}$	1.36 \pm 0.108	0.636 \pm 0.127	0.272	46.7	-2.66
Atenolol	$\mu\text{g/l}$	0.248 \pm 0.0203	0.256 \pm 0.038	0.0497	103	0.15
Benzotriazole	$\mu\text{g/l}$	4.8 \pm 0.293	5.35 \pm 1.33	0.624	112	0.89
Bisoprolol	$\mu\text{g/l}$	0.447 \pm 0.0529	- \pm -	0.0848	-	-
Carbamazepine	$\mu\text{g/l}$	0.366 \pm 0.0336	0.492 \pm 0.073	0.0731	135	1.73
Cyclamate	$\mu\text{g/l}$	0.338 \pm 0.0312	0.414 \pm 0.124	0.0677	122	1.12
Diazepam	$\mu\text{g/l}$	- \pm -	- \pm -	-	-	-
Diclofenac	$\mu\text{g/l}$	2.76 \pm 0.161	2.59 \pm 0.259	0.387	93.8	-0.44
Ibuprofen	$\mu\text{g/l}$	0.688 \pm 0.102	0.842 \pm 0.084	0.179	122	0.86
Iopamidol	$\mu\text{g/l}$	50 \pm 4.77	44 \pm 6.6	10	88	-0.60
Metoprolol	$\mu\text{g/l}$	0.187 \pm 0.016	0.163 \pm 0.016	0.0318	87.1	-0.76
Saccharin	$\mu\text{g/l}$	23.3 \pm 1.28	- \pm -	3.5	-	-
Sotalol	$\mu\text{g/l}$	0.17 \pm 0.0154	0.214 \pm 0.0428	0.0373	126	1.19
Sucralose	$\mu\text{g/l}$	33.4 \pm 5.21	21.5 \pm 4.3	8.69	64.3	-1.37
Sulfamethoxazole	$\mu\text{g/l}$	0.146 \pm 0.00868	0.144 \pm 0.021	0.0175	98.9	-0.09



Summary of results Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ13 - En-Score

Labcode: LC0002

Sample: AZ13A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	$\mu\text{g/l}$	0.398 \pm 0.0343	- \pm -	0.0518	-	-
4-Formylaminoantipyrine	$\mu\text{g/l}$	0.184 \pm 0.0288	- \pm -	0.0386	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	$\mu\text{g/l}$	0.0947 \pm 0.0157	- \pm -	0.0189	-	-
Acesulfame	$\mu\text{g/l}$	0.317 \pm 0.0186	0.318 \pm 0.095	0.0539	100	0.00
Amidotrizoic acid	$\mu\text{g/l}$	0.22 \pm 0.0192	0.135 \pm 0.027	0.044	61.3	-1.49
Atenolol	$\mu\text{g/l}$	0.327 \pm 0.0367	0.306 \pm 0.045	0.0655	93.5	-0.22
Benzotriazole	$\mu\text{g/l}$	0.0794 \pm 0.00279	0.122 \pm 0.03	0.00953	154	0.71
Bisoprolol	$\mu\text{g/l}$	0.189 \pm 0.0306	- \pm -	0.0398	-	-
Carbamazepine	$\mu\text{g/l}$	0.167 \pm 0.0143	0.21 \pm 0.031	0.0301	126	0.67
Cyclamate	$\mu\text{g/l}$	0.171 \pm 0.0189	0.163 \pm 0.049	0.0342	95.4	-0.08
Diazepam	$\mu\text{g/l}$	- \pm -	- \pm -	-	-	-
Diclofenac	$\mu\text{g/l}$	0.175 \pm 0.00654	<20 \pm -	0.0245	-	-
Ibuprofen	$\mu\text{g/l}$	0.258 \pm 0.0363	0.313 \pm 0.031	0.0645	121	0.76
Iopamidol	$\mu\text{g/l}$	0.348 \pm 0.0479	0.142 \pm 0.021	0.087	40.8	-3.23
Metoprolol	$\mu\text{g/l}$	0.192 \pm 0.00971	0.193 \pm 0.019	0.0327	100	0.02
Saccharin	$\mu\text{g/l}$	0.389 \pm 0.0585	- \pm -	0.101	-	-
Sotalol	$\mu\text{g/l}$	0.426 \pm 0.0424	0.155 \pm 0.031	0.0937	36.4	-3.60
Sucralose	$\mu\text{g/l}$	0.629 \pm 0.074	0.275 \pm 0.055	0.157	43.7	-2.67
Sulfamethoxazole	$\mu\text{g/l}$	0.176 \pm 0.00987	0.159 \pm 0.023	0.0212	90.2	-0.37

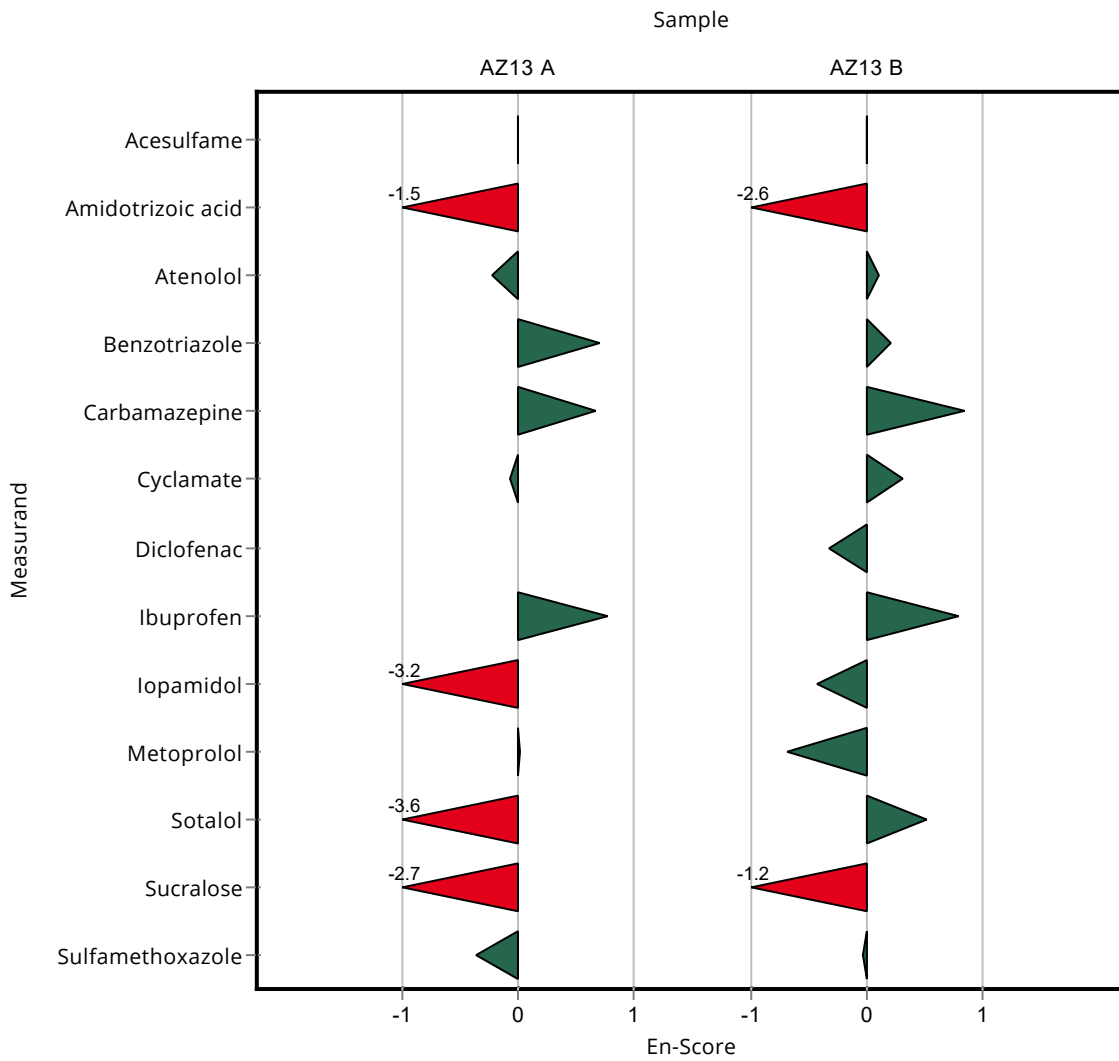
Sample: AZ13B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	$\mu\text{g/l}$	3.94 \pm 0.481	- \pm -	0.631	-	-
4-Formylaminoantipyrine	$\mu\text{g/l}$	- \pm -	- \pm -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	$\mu\text{g/l}$	0.98 \pm 0.188	- \pm -	0.235	-	-

Summary of results Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ13 - En-Score

Labcode: LC0002

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Acesulfame	$\mu\text{g/l}$	0.735 \pm 0.0494	0.735 \pm 0.22	0.125	100	0.00
Amidotrizoic acid	$\mu\text{g/l}$	1.36 \pm 0.108	0.636 \pm 0.127	0.272	46.7	-2.63
Atenolol	$\mu\text{g/l}$	0.248 \pm 0.0203	0.256 \pm 0.038	0.0497	103	0.10
Benzotriazole	$\mu\text{g/l}$	4.8 \pm 0.293	5.35 \pm 1.33	0.624	112	0.21
Bisoprolol	$\mu\text{g/l}$	0.447 \pm 0.0529	- \pm -	0.0848	-	-
Carbamazepine	$\mu\text{g/l}$	0.366 \pm 0.0336	0.492 \pm 0.073	0.0731	135	0.84
Cyclamate	$\mu\text{g/l}$	0.338 \pm 0.0312	0.414 \pm 0.124	0.0677	122	0.30
Diazepam	$\mu\text{g/l}$	- \pm -	- \pm -	-	-	-
Diclofenac	$\mu\text{g/l}$	2.76 \pm 0.161	2.59 \pm 0.259	0.387	93.8	-0.32
Ibuprofen	$\mu\text{g/l}$	0.688 \pm 0.102	0.842 \pm 0.084	0.179	122	0.78
Iopamidol	$\mu\text{g/l}$	50 \pm 4.77	44 \pm 6.6	10	88	-0.43
Metoprolol	$\mu\text{g/l}$	0.187 \pm 0.016	0.163 \pm 0.016	0.0318	87.1	-0.68
Saccharin	$\mu\text{g/l}$	23.3 \pm 1.28	- \pm -	3.5	-	-
Sotalol	$\mu\text{g/l}$	0.17 \pm 0.0154	0.214 \pm 0.0428	0.0373	126	0.51
Sucralose	$\mu\text{g/l}$	33.4 \pm 5.21	21.5 \pm 4.3	8.69	64.3	-1.19
Sulfamethoxazole	$\mu\text{g/l}$	0.146 \pm 0.00868	0.144 \pm 0.021	0.0175	98.9	-0.04



Summary of results Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ13

Labcode: LC0004

Sample: AZ13A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	$\mu\text{g/l}$	0.398 \pm 0.0343	- \pm -	0.0518	-	-
4-Formylaminoantipyrine	$\mu\text{g/l}$	0.184 \pm 0.0288	- \pm -	0.0386	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	$\mu\text{g/l}$	0.0947 \pm 0.0157	- \pm -	0.0189	-	-
Acesulfame	$\mu\text{g/l}$	0.317 \pm 0.0186	0.312 \pm 0.047	0.0539	98.3	-0.10
Amidotrizoic acid	$\mu\text{g/l}$	0.22 \pm 0.0192	- \pm -	0.044	-	-
Atenolol	$\mu\text{g/l}$	0.327 \pm 0.0367	- \pm -	0.0655	-	-
Benzotriazole	$\mu\text{g/l}$	0.0794 \pm 0.00279	0.078 \pm 0.014	0.00953	98.3	-0.15
Bisoprolol	$\mu\text{g/l}$	0.189 \pm 0.0306	0.173 \pm 0.026	0.0398	91.3	-0.41
Carbamazepine	$\mu\text{g/l}$	0.167 \pm 0.0143	0.175 \pm 0.031	0.0301	105	0.26
Cyclamate	$\mu\text{g/l}$	0.171 \pm 0.0189	0.184 \pm 0.028	0.0342	108	0.38
Diazepam	$\mu\text{g/l}$	- \pm -	- \pm -	-	-	-
Diclofenac	$\mu\text{g/l}$	0.175 \pm 0.00654	0.174 \pm 0.03	0.0245	99.4	-0.05
Ibuprofen	$\mu\text{g/l}$	0.258 \pm 0.0363	0.243 \pm 0.049	0.0645	94.2	-0.23
Iopamidol	$\mu\text{g/l}$	0.348 \pm 0.0479	- \pm -	0.087	-	-
Metoprolol	$\mu\text{g/l}$	0.192 \pm 0.00971	- \pm -	0.0327	-	-
Saccharin	$\mu\text{g/l}$	0.389 \pm 0.0585	0.424 \pm 0.074	0.101	109	0.35
Sotalol	$\mu\text{g/l}$	0.426 \pm 0.0424	- \pm -	0.0937	-	-
Sucralose	$\mu\text{g/l}$	0.629 \pm 0.074	0.586 \pm 0.1	0.157	93.2	-0.27
Sulfamethoxazole	$\mu\text{g/l}$	0.176 \pm 0.00987	0.174 \pm 0.026	0.0212	98.7	-0.11

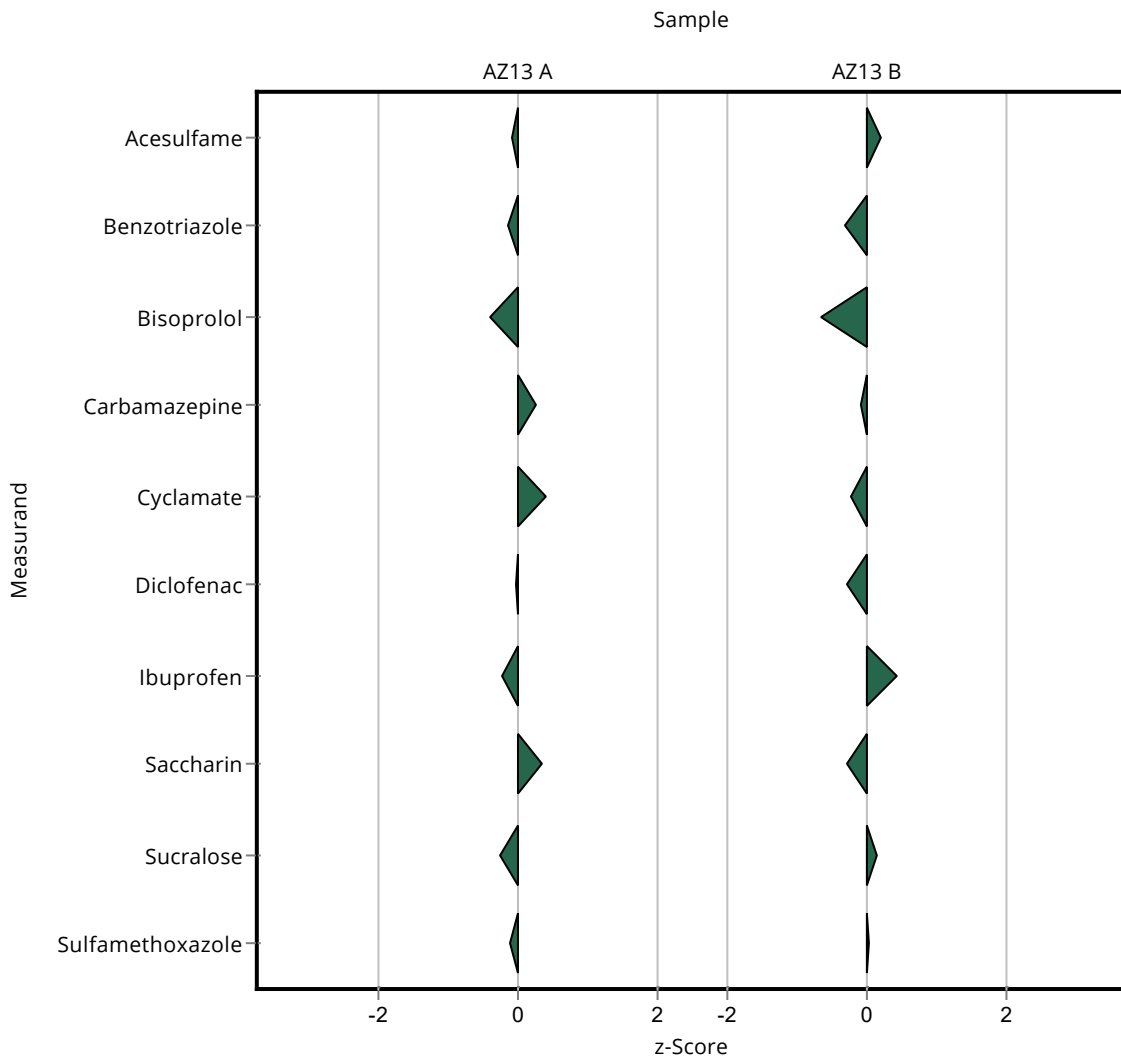
Sample: AZ13B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	$\mu\text{g/l}$	3.94 \pm 0.481	- \pm -	0.631	-	-
4-Formylaminoantipyrine	$\mu\text{g/l}$	- \pm -	- \pm -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	$\mu\text{g/l}$	0.98 \pm 0.188	- \pm -	0.235	-	-

Summary of results Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ13

Labcode: LC0004

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Acesulfame	$\mu\text{g/l}$	0.735 \pm 0.0494	0.761 \pm 0.11	0.125	104	0.21
Amidotrizoic acid	$\mu\text{g/l}$	1.36 \pm 0.108	- \pm -	0.272	-	-
Atenolol	$\mu\text{g/l}$	0.248 \pm 0.0203	- \pm -	0.0497	-	-
Benzotriazole	$\mu\text{g/l}$	4.8 \pm 0.293	4.61 \pm 0.81	0.624	96.1	-0.30
Bisoprolol	$\mu\text{g/l}$	0.447 \pm 0.0529	0.392 \pm 0.059	0.0848	87.8	-0.64
Carbamazepine	$\mu\text{g/l}$	0.366 \pm 0.0336	0.359 \pm 0.063	0.0731	98.2	-0.09
Cyclamate	$\mu\text{g/l}$	0.338 \pm 0.0312	0.323 \pm 0.048	0.0677	95.4	-0.23
Diazepam	$\mu\text{g/l}$	- \pm -	- \pm -	-	-	-
Diclofenac	$\mu\text{g/l}$	2.76 \pm 0.161	2.65 \pm 0.46	0.387	96	-0.29
Ibuprofen	$\mu\text{g/l}$	0.688 \pm 0.102	0.764 \pm 0.16	0.179	111	0.43
Iopamidol	$\mu\text{g/l}$	50 \pm 4.77	- \pm -	10	-	-
Metoprolol	$\mu\text{g/l}$	0.187 \pm 0.016	- \pm -	0.0318	-	-
Saccharin	$\mu\text{g/l}$	23.3 \pm 1.28	22.3 \pm 3.9	3.5	95.6	-0.30
Sotalol	$\mu\text{g/l}$	0.17 \pm 0.0154	- \pm -	0.0373	-	-
Sucralose	$\mu\text{g/l}$	33.4 \pm 5.21	34.7 \pm 6.1	8.69	104	0.15
Sulfamethoxazole	$\mu\text{g/l}$	0.146 \pm 0.00868	0.146 \pm 0.022	0.0175	100	0.03



Sample: AZ13A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	$\mu\text{g/l}$	0.398 \pm 0.0343	- \pm -	0.0518	-	-
4-Formylaminoantipyrine	$\mu\text{g/l}$	0.184 \pm 0.0288	- \pm -	0.0386	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	$\mu\text{g/l}$	0.0947 \pm 0.0157	- \pm -	0.0189	-	-
Acesulfame	$\mu\text{g/l}$	0.317 \pm 0.0186	0.312 \pm 0.047	0.0539	98.3	-0.06
Amidotrizoic acid	$\mu\text{g/l}$	0.22 \pm 0.0192	- \pm -	0.044	-	-
Atenolol	$\mu\text{g/l}$	0.327 \pm 0.0367	- \pm -	0.0655	-	-
Benzotriazole	$\mu\text{g/l}$	0.0794 \pm 0.00279	0.078 \pm 0.014	0.00953	98.3	-0.05
Bisoprolol	$\mu\text{g/l}$	0.189 \pm 0.0306	0.173 \pm 0.026	0.0398	91.3	-0.27
Carbamazepine	$\mu\text{g/l}$	0.167 \pm 0.0143	0.175 \pm 0.031	0.0301	105	0.12
Cyclamate	$\mu\text{g/l}$	0.171 \pm 0.0189	0.184 \pm 0.028	0.0342	108	0.22
Diazepam	$\mu\text{g/l}$	- \pm -	- \pm -	-	-	-
Diclofenac	$\mu\text{g/l}$	0.175 \pm 0.00654	0.174 \pm 0.03	0.0245	99.4	-0.02
Ibuprofen	$\mu\text{g/l}$	0.258 \pm 0.0363	0.243 \pm 0.049	0.0645	94.2	-0.14
Iopamidol	$\mu\text{g/l}$	0.348 \pm 0.0479	- \pm -	0.087	-	-
Metoprolol	$\mu\text{g/l}$	0.192 \pm 0.00971	- \pm -	0.0327	-	-
Saccharin	$\mu\text{g/l}$	0.389 \pm 0.0585	0.424 \pm 0.074	0.101	109	0.22
Sotalol	$\mu\text{g/l}$	0.426 \pm 0.0424	- \pm -	0.0937	-	-
Sucralose	$\mu\text{g/l}$	0.629 \pm 0.074	0.586 \pm 0.1	0.157	93.2	-0.20
Sulfamethoxazole	$\mu\text{g/l}$	0.176 \pm 0.00987	0.174 \pm 0.026	0.0212	98.7	-0.04

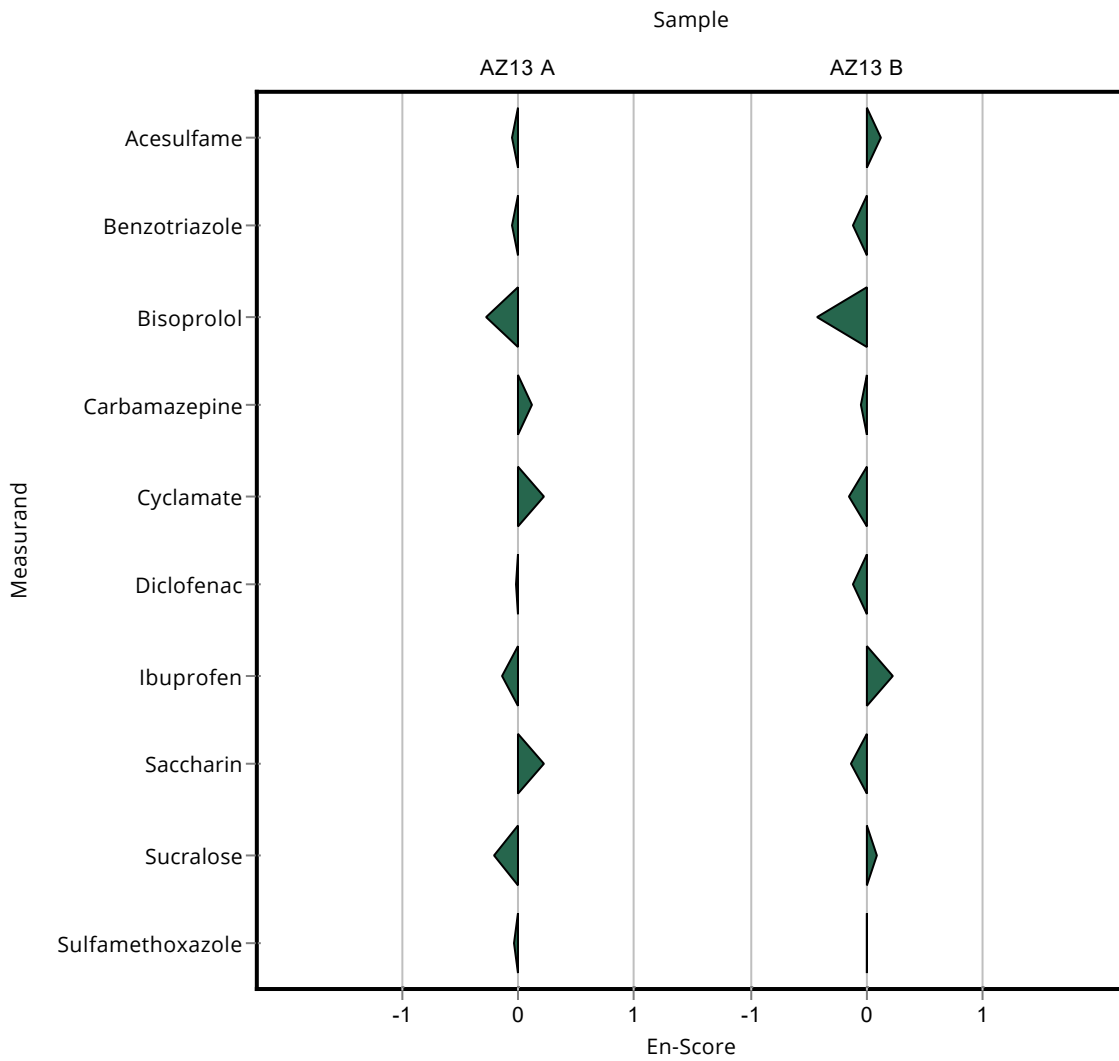
Sample: AZ13B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	$\mu\text{g/l}$	3.94 \pm 0.481	- \pm -	0.631	-	-
4-Formylaminoantipyrine	$\mu\text{g/l}$	- \pm -	- \pm -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	$\mu\text{g/l}$	0.98 \pm 0.188	- \pm -	0.235	-	-

Summary of results Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ13 - En-Score

Labcode: LC0004

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Acesulfame	$\mu\text{g/l}$	0.735 \pm 0.0494	0.761 \pm 0.11	0.125	104	0.12
Amidotrizoic acid	$\mu\text{g/l}$	1.36 \pm 0.108	- \pm -	0.272	-	-
Atenolol	$\mu\text{g/l}$	0.248 \pm 0.0203	- \pm -	0.0497	-	-
Benzotriazole	$\mu\text{g/l}$	4.8 \pm 0.293	4.61 \pm 0.81	0.624	96.1	-0.11
Bisoprolol	$\mu\text{g/l}$	0.447 \pm 0.0529	0.392 \pm 0.059	0.0848	87.8	-0.42
Carbamazepine	$\mu\text{g/l}$	0.366 \pm 0.0336	0.359 \pm 0.063	0.0731	98.2	-0.05
Cyclamate	$\mu\text{g/l}$	0.338 \pm 0.0312	0.323 \pm 0.048	0.0677	95.4	-0.15
Diazepam	$\mu\text{g/l}$	- \pm -	- \pm -	-	-	-
Diclofenac	$\mu\text{g/l}$	2.76 \pm 0.161	2.65 \pm 0.46	0.387	96	-0.12
Ibuprofen	$\mu\text{g/l}$	0.688 \pm 0.102	0.764 \pm 0.16	0.179	111	0.23
Iopamidol	$\mu\text{g/l}$	50 \pm 4.77	- \pm -	10	-	-
Metoprolol	$\mu\text{g/l}$	0.187 \pm 0.016	- \pm -	0.0318	-	-
Saccharin	$\mu\text{g/l}$	23.3 \pm 1.28	22.3 \pm 3.9	3.5	95.6	-0.13
Sotalol	$\mu\text{g/l}$	0.17 \pm 0.0154	- \pm -	0.0373	-	-
Sucralose	$\mu\text{g/l}$	33.4 \pm 5.21	34.7 \pm 6.1	8.69	104	0.10
Sulfamethoxazole	$\mu\text{g/l}$	0.146 \pm 0.00868	0.146 \pm 0.022	0.0175	100	0.01



Summary of results Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ13

Labcode: LC0005

Sample: AZ13A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	$\mu\text{g/l}$	0.398 \pm 0.0343	0.3944 \pm 0.0754	0.0518	99	-0.08
4-Formylaminoantipyrine	$\mu\text{g/l}$	0.184 \pm 0.0288	0.1892 \pm 0.0358	0.0386	103	0.14
10,11-Dihydro-10,11-Dihydroxycarbamazepine	$\mu\text{g/l}$	0.0947 \pm 0.0157	0.0922 \pm 0.0117	0.0189	97.3	-0.13
Acesulfame	$\mu\text{g/l}$	0.317 \pm 0.0186	- \pm -	0.0539	-	-
Amidotrizoic acid	$\mu\text{g/l}$	0.22 \pm 0.0192	0.2244 \pm 0.0371	0.044	102	0.10
Atenolol	$\mu\text{g/l}$	0.327 \pm 0.0367	0.3059 \pm 0.0429	0.0655	93.5	-0.33
Benzotriazole	$\mu\text{g/l}$	0.0794 \pm 0.00279	0.0912 \pm 0.0125	0.00953	115	1.24
Bisoprolol	$\mu\text{g/l}$	0.189 \pm 0.0306	0.1631 \pm 0.0218	0.0398	86.1	-0.66
Carbamazepine	$\mu\text{g/l}$	0.167 \pm 0.0143	0.1956 \pm 0.0326	0.0301	117	0.94
Cyclamate	$\mu\text{g/l}$	0.171 \pm 0.0189	- \pm -	0.0342	-	-
Diazepam	$\mu\text{g/l}$	- \pm -	0.1374 \pm 0.0178	-	-	-
Diclofenac	$\mu\text{g/l}$	0.175 \pm 0.00654	0.1953 \pm 0.0428	0.0245	112	0.82
Ibuprofen	$\mu\text{g/l}$	0.258 \pm 0.0363	0.3267 \pm 0.0483	0.0645	127	1.06
Iopamidol	$\mu\text{g/l}$	0.348 \pm 0.0479	0.3396 \pm 0.0476	0.087	97.6	-0.10
Metoprolol	$\mu\text{g/l}$	0.192 \pm 0.00971	0.2057 \pm 0.0265	0.0327	107	0.41
Saccharin	$\mu\text{g/l}$	0.389 \pm 0.0585	0.5525 \pm 0.062	0.101	142	1.62
Sotalol	$\mu\text{g/l}$	0.426 \pm 0.0424	0.4838 \pm 0.0705	0.0937	114	0.62
Sucralose	$\mu\text{g/l}$	0.629 \pm 0.074	- \pm -	0.157	-	-
Sulfamethoxazole	$\mu\text{g/l}$	0.176 \pm 0.00987	0.1809 \pm 0.0258	0.0212	103	0.22

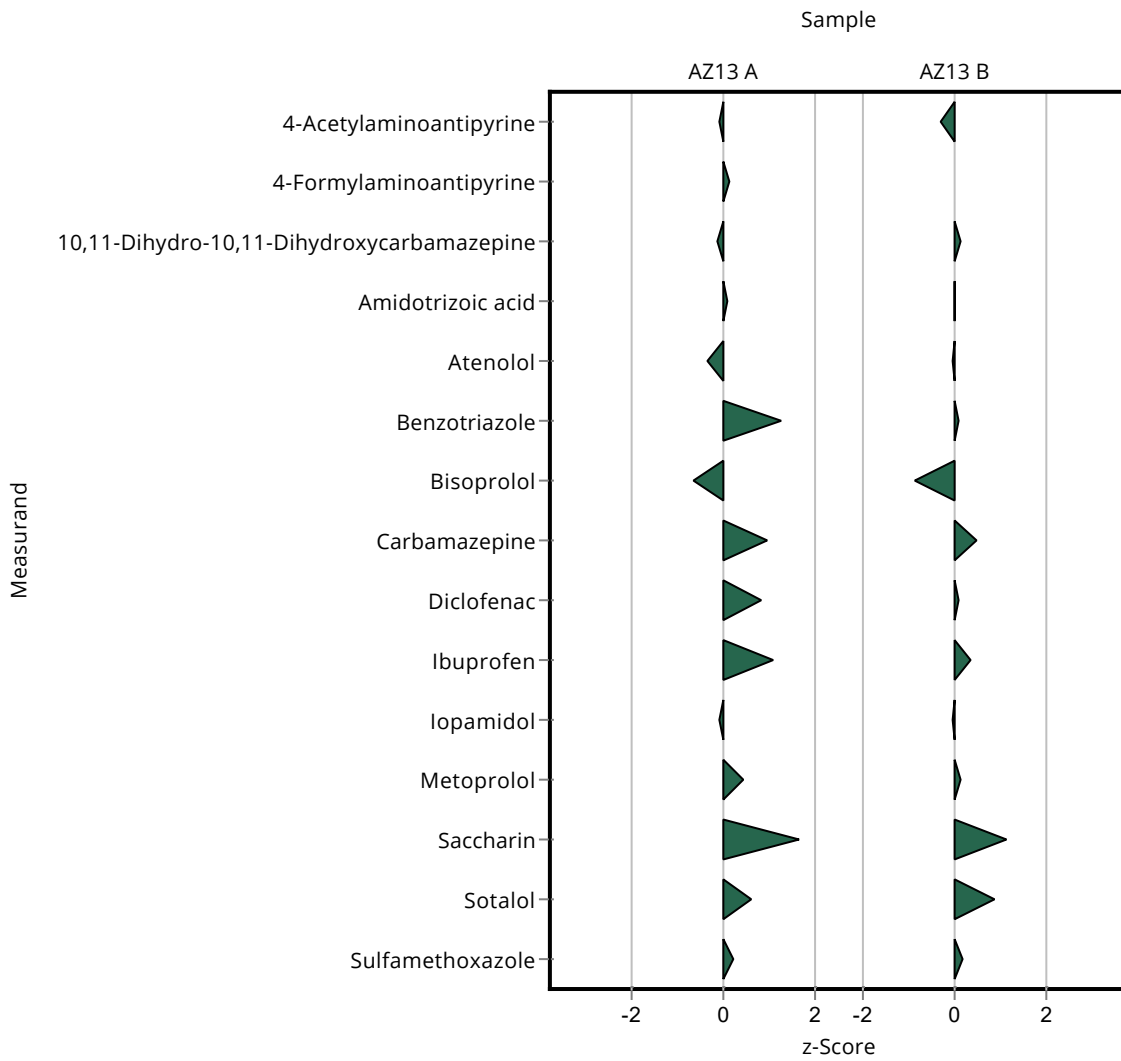
Sample: AZ13B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	$\mu\text{g/l}$	3.94 \pm 0.481	3.755 \pm 0.7181	0.631	95.2	-0.30
4-Formylaminoantipyrine	$\mu\text{g/l}$	- \pm -	7.351 \pm 1.391	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	$\mu\text{g/l}$	0.98 \pm 0.188	1.015 \pm 0.129	0.235	104	0.15

Summary of results Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ13

Labcode: LC0005

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Acesulfame	$\mu\text{g/l}$	0.735 \pm 0.0494	- \pm -	0.125	-	-
Amidotrizoic acid	$\mu\text{g/l}$	1.36 \pm 0.108	1.362 \pm 0.2254	0.272	100	0.00
Atenolol	$\mu\text{g/l}$	0.248 \pm 0.0203	0.2458 \pm 0.0344	0.0497	98.9	-0.05
Benzotriazole	$\mu\text{g/l}$	4.8 \pm 0.293	4.843 \pm 0.6641	0.624	101	0.07
Bisoprolol	$\mu\text{g/l}$	0.447 \pm 0.0529	0.3747 \pm 0.0501	0.0848	83.9	-0.85
Carbamazepine	$\mu\text{g/l}$	0.366 \pm 0.0336	0.4018 \pm 0.0669	0.0731	110	0.49
Cyclamate	$\mu\text{g/l}$	0.338 \pm 0.0312	- \pm -	0.0677	-	-
Diazepam	$\mu\text{g/l}$	- \pm -	1.328 \pm 0.172	-	-	-
Diclofenac	$\mu\text{g/l}$	2.76 \pm 0.161	2.803 \pm 0.6139	0.387	101	0.11
Ibuprofen	$\mu\text{g/l}$	0.688 \pm 0.102	0.7523 \pm 0.1113	0.179	109	0.36
Iopamidol	$\mu\text{g/l}$	50 \pm 4.77	49.68 \pm 6.96	10	99.3	-0.03
Metoprolol	$\mu\text{g/l}$	0.187 \pm 0.016	0.1916 \pm 0.0247	0.0318	102	0.14
Saccharin	$\mu\text{g/l}$	23.3 \pm 1.28	27.32 \pm 3.07	3.5	117	1.14
Sotalol	$\mu\text{g/l}$	0.17 \pm 0.0154	0.2023 \pm 0.0295	0.0373	119	0.87
Sucralose	$\mu\text{g/l}$	33.4 \pm 5.21	- \pm -	8.69	-	-
Sulfamethoxazole	$\mu\text{g/l}$	0.146 \pm 0.00868	0.1487 \pm 0.0212	0.0175	102	0.18



Summary of results Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ13 - En-Score

Labcode: LC0005

Sample: AZ13A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	$\mu\text{g/l}$	0.398 \pm 0.0343	0.3944 \pm 0.0754	0.0518	99	-0.03
4-Formylaminoantipyrine	$\mu\text{g/l}$	0.184 \pm 0.0288	0.1892 \pm 0.0358	0.0386	103	0.07
10,11-Dihydro-10,11-Dihydroxycarbamazepine	$\mu\text{g/l}$	0.0947 \pm 0.0157	0.0922 \pm 0.0117	0.0189	97.3	-0.09
Acesulfame	$\mu\text{g/l}$	0.317 \pm 0.0186	- \pm -	0.0539	-	-
Amidotrizoic acid	$\mu\text{g/l}$	0.22 \pm 0.0192	0.2244 \pm 0.0371	0.044	102	0.06
Atenolol	$\mu\text{g/l}$	0.327 \pm 0.0367	0.3059 \pm 0.0429	0.0655	93.5	-0.23
Benzotriazole	$\mu\text{g/l}$	0.0794 \pm 0.00279	0.0912 \pm 0.0125	0.00953	115	0.47
Bisoprolol	$\mu\text{g/l}$	0.189 \pm 0.0306	0.1631 \pm 0.0218	0.0398	86.1	-0.49
Carbamazepine	$\mu\text{g/l}$	0.167 \pm 0.0143	0.1956 \pm 0.0326	0.0301	117	0.43
Cyclamate	$\mu\text{g/l}$	0.171 \pm 0.0189	- \pm -	0.0342	-	-
Diazepam	$\mu\text{g/l}$	- \pm -	0.1374 \pm 0.0178	-	-	-
Diclofenac	$\mu\text{g/l}$	0.175 \pm 0.00654	0.1953 \pm 0.0428	0.0245	112	0.24
Ibuprofen	$\mu\text{g/l}$	0.258 \pm 0.0363	0.3267 \pm 0.0483	0.0645	127	0.66
Iopamidol	$\mu\text{g/l}$	0.348 \pm 0.0479	0.3396 \pm 0.0476	0.087	97.6	-0.08
Metoprolol	$\mu\text{g/l}$	0.192 \pm 0.00971	0.2057 \pm 0.0265	0.0327	107	0.25
Saccharin	$\mu\text{g/l}$	0.389 \pm 0.0585	0.5525 \pm 0.062	0.101	142	1.19
Sotalol	$\mu\text{g/l}$	0.426 \pm 0.0424	0.4838 \pm 0.0705	0.0937	114	0.39
Sucralose	$\mu\text{g/l}$	0.629 \pm 0.074	- \pm -	0.157	-	-
Sulfamethoxazole	$\mu\text{g/l}$	0.176 \pm 0.00987	0.1809 \pm 0.0258	0.0212	103	0.09

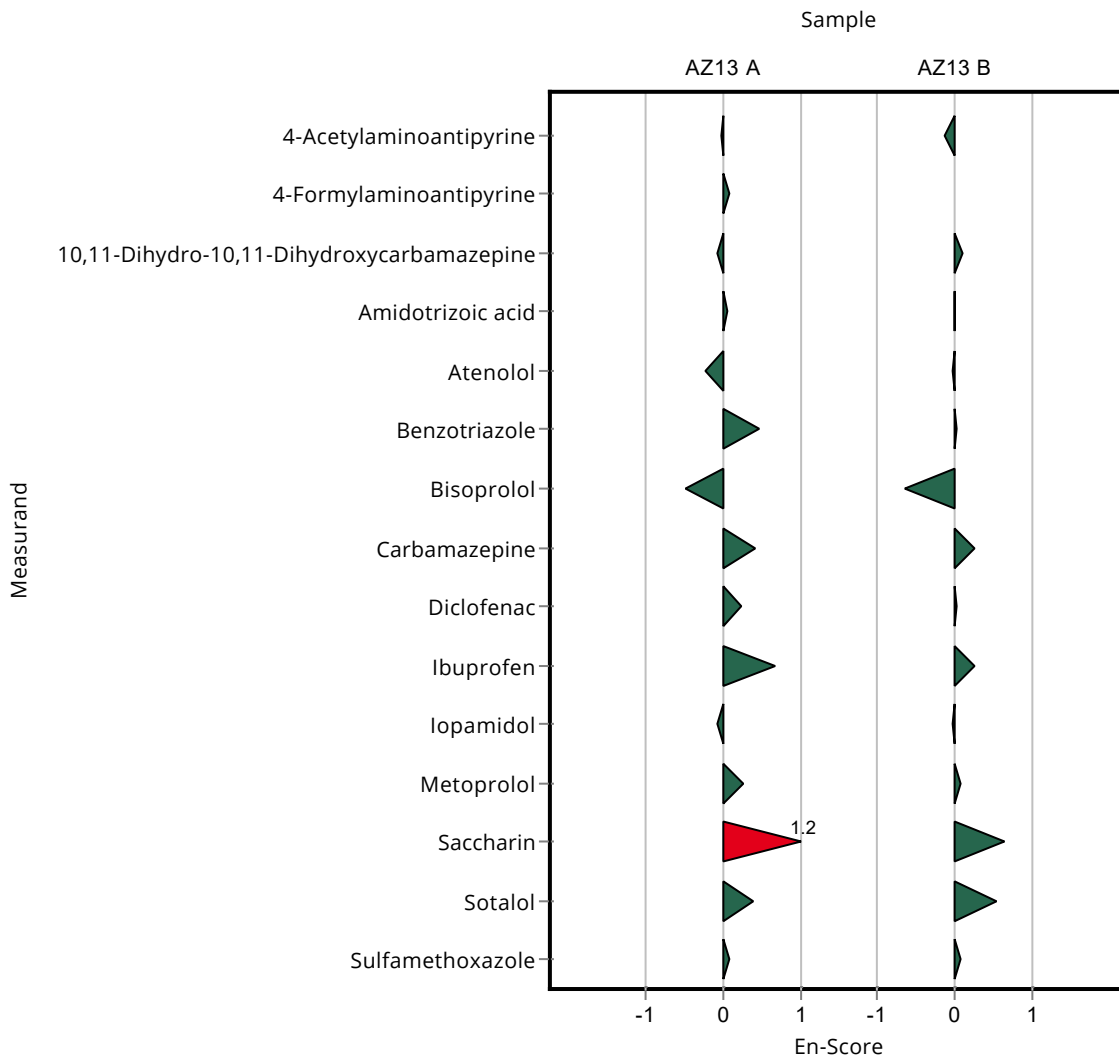
Sample: AZ13B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	$\mu\text{g/l}$	3.94 \pm 0.481	3.755 \pm 0.7181	0.631	95.2	-0.12
4-Formylaminoantipyrine	$\mu\text{g/l}$	- \pm -	7.351 \pm 1.391	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	$\mu\text{g/l}$	0.98 \pm 0.188	1.015 \pm 0.129	0.235	104	0.11

Summary of results Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ13 - En-Score

Labcode: LC0005

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Acesulfame	$\mu\text{g/l}$	0.735 \pm 0.0494	- \pm -	0.125	-	-
Amidotrizoic acid	$\mu\text{g/l}$	1.36 \pm 0.108	1.362 \pm 0.2254	0.272	100	0.00
Atenolol	$\mu\text{g/l}$	0.248 \pm 0.0203	0.2458 \pm 0.0344	0.0497	98.9	-0.04
Benzotriazole	$\mu\text{g/l}$	4.8 \pm 0.293	4.843 \pm 0.6641	0.624	101	0.03
Bisoprolol	$\mu\text{g/l}$	0.447 \pm 0.0529	0.3747 \pm 0.0501	0.0848	83.9	-0.63
Carbamazepine	$\mu\text{g/l}$	0.366 \pm 0.0336	0.4018 \pm 0.0669	0.0731	110	0.26
Cyclamate	$\mu\text{g/l}$	0.338 \pm 0.0312	- \pm -	0.0677	-	-
Diazepam	$\mu\text{g/l}$	- \pm -	1.328 \pm 0.172	-	-	-
Diclofenac	$\mu\text{g/l}$	2.76 \pm 0.161	2.803 \pm 0.6139	0.387	101	0.03
Ibuprofen	$\mu\text{g/l}$	0.688 \pm 0.102	0.7523 \pm 0.1113	0.179	109	0.26
Iopamidol	$\mu\text{g/l}$	50 \pm 4.77	49.68 \pm 6.96	10	99.3	-0.02
Metoprolol	$\mu\text{g/l}$	0.187 \pm 0.016	0.1916 \pm 0.0247	0.0318	102	0.08
Saccharin	$\mu\text{g/l}$	23.3 \pm 1.28	27.32 \pm 3.07	3.5	117	0.64
Sotalol	$\mu\text{g/l}$	0.17 \pm 0.0154	0.2023 \pm 0.0295	0.0373	119	0.53
Sucralose	$\mu\text{g/l}$	33.4 \pm 5.21	- \pm -	8.69	-	-
Sulfamethoxazole	$\mu\text{g/l}$	0.146 \pm 0.00868	0.1487 \pm 0.0212	0.0175	102	0.07



Summary of results Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ13

Labcode: LC0006

Sample: AZ13A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	$\mu\text{g/l}$	0.398 \pm 0.0343	- \pm -	0.0518	-	-
4-Formylaminoantipyrine	$\mu\text{g/l}$	0.184 \pm 0.0288	- \pm -	0.0386	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	$\mu\text{g/l}$	0.0947 \pm 0.0157	- \pm -	0.0189	-	-
Acesulfame	$\mu\text{g/l}$	0.317 \pm 0.0186	0.315 \pm 0.063	0.0539	99.3	-0.04
Amidotrizoic acid	$\mu\text{g/l}$	0.22 \pm 0.0192	0.217 \pm 0.043	0.044	98.6	-0.07
Atenolol	$\mu\text{g/l}$	0.327 \pm 0.0367	- \pm -	0.0655	-	-
Benzotriazole	$\mu\text{g/l}$	0.0794 \pm 0.00279	0.073 \pm 0.015	0.00953	92	-0.67
Bisoprolol	$\mu\text{g/l}$	0.189 \pm 0.0306	- \pm -	0.0398	-	-
Carbamazepine	$\mu\text{g/l}$	0.167 \pm 0.0143	0.161 \pm 0.032	0.0301	96.3	-0.21
Cyclamate	$\mu\text{g/l}$	0.171 \pm 0.0189	0.194 \pm 0.039	0.0342	114	0.68
Diazepam	$\mu\text{g/l}$	- \pm -	0.122 \pm 0.024	-	-	-
Diclofenac	$\mu\text{g/l}$	0.175 \pm 0.00654	0.18 \pm 0.036	0.0245	103	0.20
Ibuprofen	$\mu\text{g/l}$	0.258 \pm 0.0363	- \pm -	0.0645	-	-
Iopamidol	$\mu\text{g/l}$	0.348 \pm 0.0479	0.297 \pm 0.059	0.087	85.3	-0.59
Metoprolol	$\mu\text{g/l}$	0.192 \pm 0.00971	0.199 \pm 0.04	0.0327	103	0.20
Saccharin	$\mu\text{g/l}$	0.389 \pm 0.0585	0.509 \pm 0.102	0.101	131	1.19
Sotalol	$\mu\text{g/l}$	0.426 \pm 0.0424	0.428 \pm 0.086	0.0937	101	0.02
Sucralose	$\mu\text{g/l}$	0.629 \pm 0.074	0.536 \pm 0.107	0.157	85.2	-0.59
Sulfamethoxazole	$\mu\text{g/l}$	0.176 \pm 0.00987	0.152 \pm 0.03	0.0212	86.2	-1.15

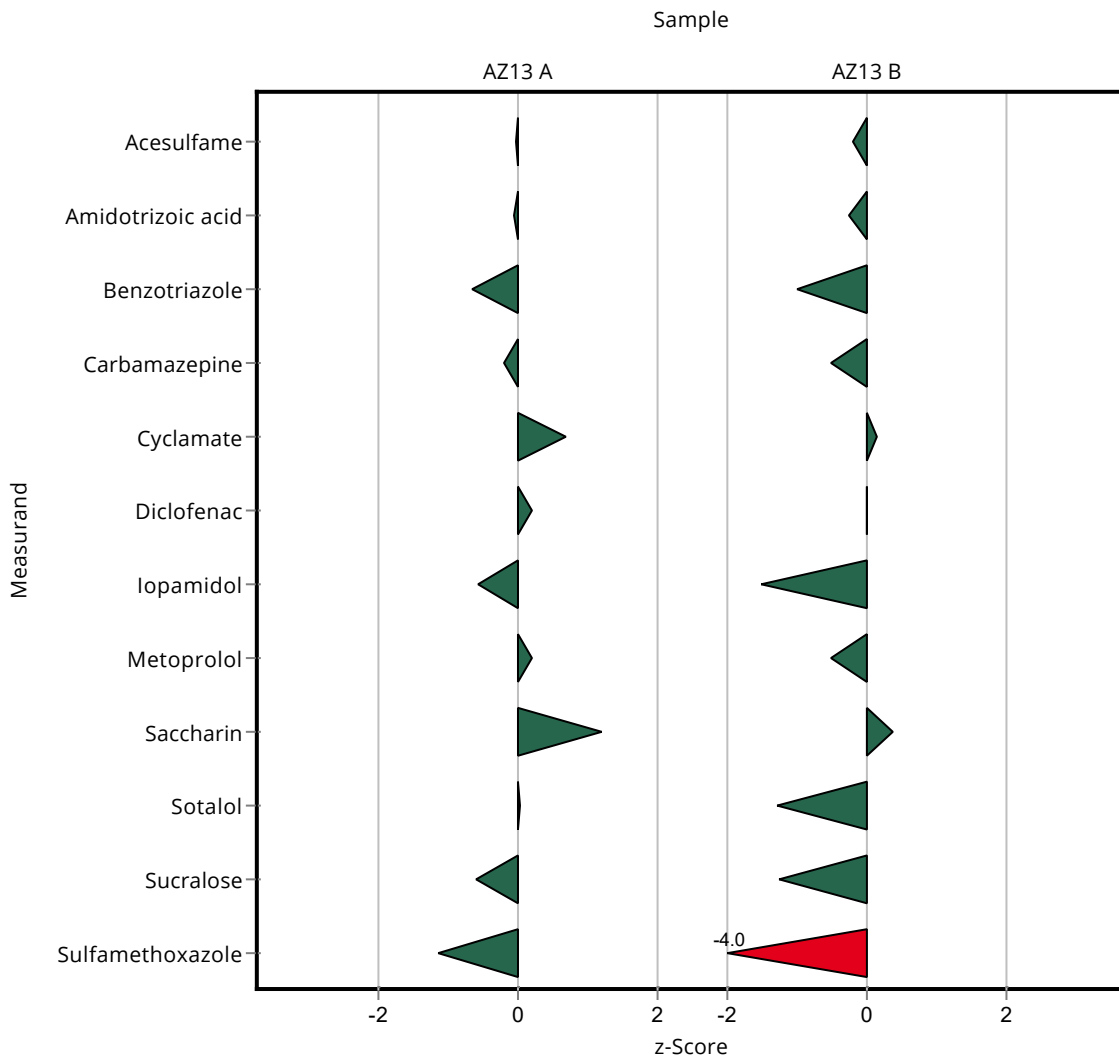
Sample: AZ13B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	$\mu\text{g/l}$	3.94 \pm 0.481	- \pm -	0.631	-	-
4-Formylaminoantipyrine	$\mu\text{g/l}$	- \pm -	- \pm -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	$\mu\text{g/l}$	0.98 \pm 0.188	- \pm -	0.235	-	-

Summary of results Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ13

Labcode: LC0006

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Acesulfame	$\mu\text{g/l}$	0.735 \pm 0.0494	0.71 \pm 0.142	0.125	96.7	-0.20
Amidotrizoic acid	$\mu\text{g/l}$	1.36 \pm 0.108	1.29 \pm 0.26	0.272	94.7	-0.26
Atenolol	$\mu\text{g/l}$	0.248 \pm 0.0203	- \pm -	0.0497	-	-
Benzotriazole	$\mu\text{g/l}$	4.8 \pm 0.293	4.18 \pm 0.83	0.624	87.1	-0.99
Bisoprolol	$\mu\text{g/l}$	0.447 \pm 0.0529	- \pm -	0.0848	-	-
Carbamazepine	$\mu\text{g/l}$	0.366 \pm 0.0336	0.329 \pm 0.066	0.0731	90	-0.50
Cyclamate	$\mu\text{g/l}$	0.338 \pm 0.0312	0.348 \pm 0.07	0.0677	103	0.14
Diazepam	$\mu\text{g/l}$	- \pm -	1.17 \pm 0.23	-	-	-
Diclofenac	$\mu\text{g/l}$	2.76 \pm 0.161	2.76 \pm 0.55	0.387	99.9	0.00
Ibuprofen	$\mu\text{g/l}$	0.688 \pm 0.102	- \pm -	0.179	-	-
Iopamidol	$\mu\text{g/l}$	50 \pm 4.77	35 \pm 7	10	70	-1.50
Metoprolol	$\mu\text{g/l}$	0.187 \pm 0.016	0.171 \pm 0.034	0.0318	91.3	-0.51
Saccharin	$\mu\text{g/l}$	23.3 \pm 1.28	24.6 \pm 4.9	3.5	105	0.36
Sotalol	$\mu\text{g/l}$	0.17 \pm 0.0154	0.122 \pm 0.024	0.0373	71.9	-1.28
Sucralose	$\mu\text{g/l}$	33.4 \pm 5.21	22.6 \pm 4.5	8.69	67.6	-1.25
Sulfamethoxazole	$\mu\text{g/l}$	0.146 \pm 0.00868	0.075 \pm 0.015	0.0175	51.5	-4.04



Summary of results Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ13 - En-Score

Labcode: LC0006

Sample: AZ13A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	$\mu\text{g/l}$	0.398 \pm 0.0343	- \pm -	0.0518	-	-
4-Formylaminoantipyrine	$\mu\text{g/l}$	0.184 \pm 0.0288	- \pm -	0.0386	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	$\mu\text{g/l}$	0.0947 \pm 0.0157	- \pm -	0.0189	-	-
Acesulfame	$\mu\text{g/l}$	0.317 \pm 0.0186	0.315 \pm 0.063	0.0539	99.3	-0.02
Amidotrizoic acid	$\mu\text{g/l}$	0.22 \pm 0.0192	0.217 \pm 0.043	0.044	98.6	-0.04
Atenolol	$\mu\text{g/l}$	0.327 \pm 0.0367	- \pm -	0.0655	-	-
Benzotriazole	$\mu\text{g/l}$	0.0794 \pm 0.00279	0.073 \pm 0.015	0.00953	92	-0.21
Bisoprolol	$\mu\text{g/l}$	0.189 \pm 0.0306	- \pm -	0.0398	-	-
Carbamazepine	$\mu\text{g/l}$	0.167 \pm 0.0143	0.161 \pm 0.032	0.0301	96.3	-0.09
Cyclamate	$\mu\text{g/l}$	0.171 \pm 0.0189	0.194 \pm 0.039	0.0342	114	0.29
Diazepam	$\mu\text{g/l}$	- \pm -	0.122 \pm 0.024	-	-	-
Diclofenac	$\mu\text{g/l}$	0.175 \pm 0.00654	0.18 \pm 0.036	0.0245	103	0.07
Ibuprofen	$\mu\text{g/l}$	0.258 \pm 0.0363	- \pm -	0.0645	-	-
Iopamidol	$\mu\text{g/l}$	0.348 \pm 0.0479	0.297 \pm 0.059	0.087	85.3	-0.40
Metoprolol	$\mu\text{g/l}$	0.192 \pm 0.00971	0.199 \pm 0.04	0.0327	103	0.08
Saccharin	$\mu\text{g/l}$	0.389 \pm 0.0585	0.509 \pm 0.102	0.101	131	0.57
Sotalol	$\mu\text{g/l}$	0.426 \pm 0.0424	0.428 \pm 0.086	0.0937	101	0.01
Sucralose	$\mu\text{g/l}$	0.629 \pm 0.074	0.536 \pm 0.107	0.157	85.2	-0.41
Sulfamethoxazole	$\mu\text{g/l}$	0.176 \pm 0.00987	0.152 \pm 0.03	0.0212	86.2	-0.40

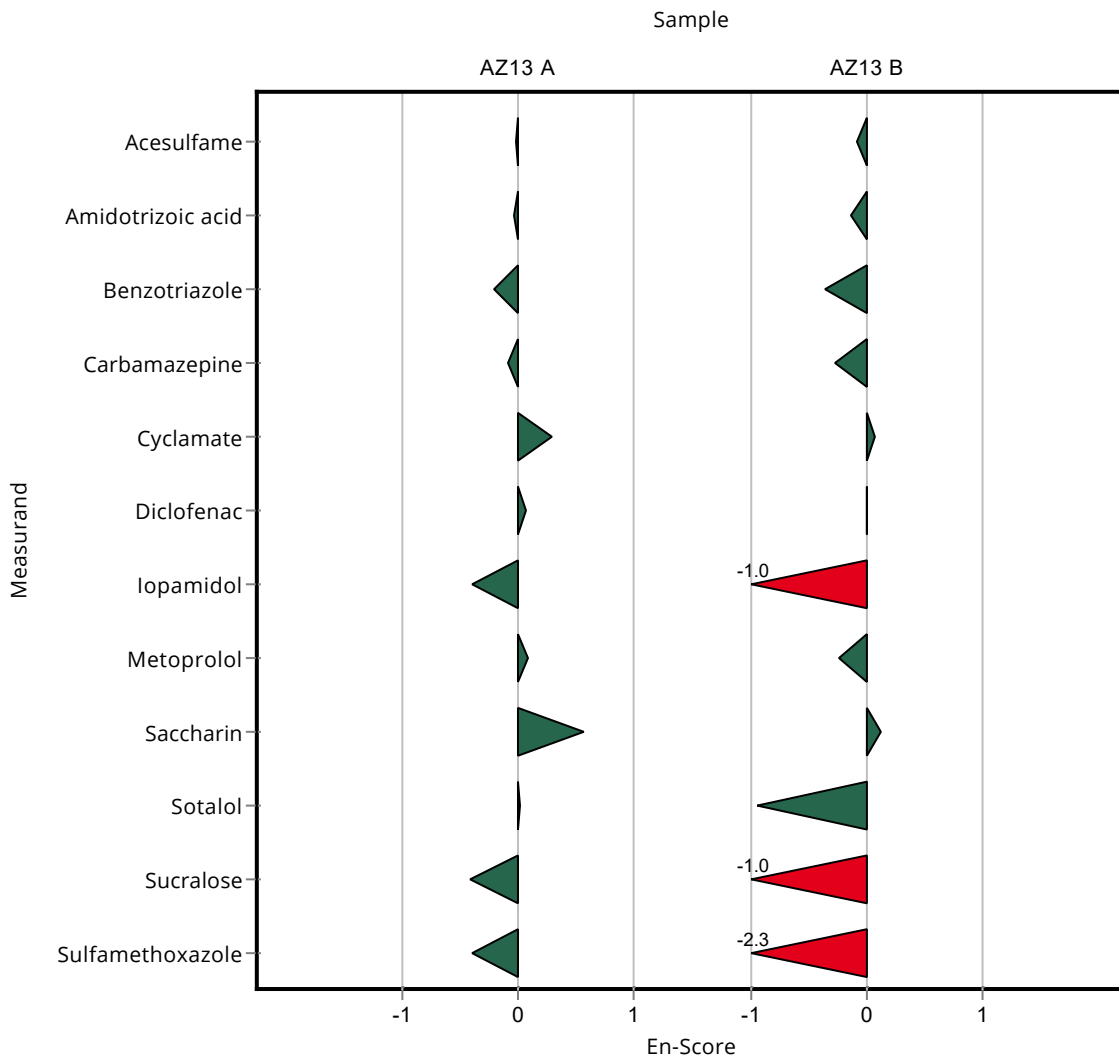
Sample: AZ13B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	$\mu\text{g/l}$	3.94 \pm 0.481	- \pm -	0.631	-	-
4-Formylaminoantipyrine	$\mu\text{g/l}$	- \pm -	- \pm -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	$\mu\text{g/l}$	0.98 \pm 0.188	- \pm -	0.235	-	-

Summary of results Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ13 - En-Score

Labcode: LC0006

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Acesulfame	$\mu\text{g/l}$	0.735 \pm 0.0494	0.71 \pm 0.142	0.125	96.7	-0.09
Amidotrizoic acid	$\mu\text{g/l}$	1.36 \pm 0.108	1.29 \pm 0.26	0.272	94.7	-0.14
Atenolol	$\mu\text{g/l}$	0.248 \pm 0.0203	- \pm -	0.0497	-	-
Benzotriazole	$\mu\text{g/l}$	4.8 \pm 0.293	4.18 \pm 0.83	0.624	87.1	-0.37
Bisoprolol	$\mu\text{g/l}$	0.447 \pm 0.0529	- \pm -	0.0848	-	-
Carbamazepine	$\mu\text{g/l}$	0.366 \pm 0.0336	0.329 \pm 0.066	0.0731	90	-0.27
Cyclamate	$\mu\text{g/l}$	0.338 \pm 0.0312	0.348 \pm 0.07	0.0677	103	0.07
Diazepam	$\mu\text{g/l}$	- \pm -	1.17 \pm 0.23	-	-	-
Diclofenac	$\mu\text{g/l}$	2.76 \pm 0.161	2.76 \pm 0.55	0.387	99.9	0.00
Ibuprofen	$\mu\text{g/l}$	0.688 \pm 0.102	- \pm -	0.179	-	-
Iopamidol	$\mu\text{g/l}$	50 \pm 4.77	35 \pm 7	10	70	-1.01
Metoprolol	$\mu\text{g/l}$	0.187 \pm 0.016	0.171 \pm 0.034	0.0318	91.3	-0.23
Saccharin	$\mu\text{g/l}$	23.3 \pm 1.28	24.6 \pm 4.9	3.5	105	0.13
Sotalol	$\mu\text{g/l}$	0.17 \pm 0.0154	0.122 \pm 0.024	0.0373	71.9	-0.95
Sucralose	$\mu\text{g/l}$	33.4 \pm 5.21	22.6 \pm 4.5	8.69	67.6	-1.04
Sulfamethoxazole	$\mu\text{g/l}$	0.146 \pm 0.00868	0.075 \pm 0.015	0.0175	51.5	-2.26



Sample: AZ13A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	$\mu\text{g/l}$	0.398 \pm 0.0343	- \pm -	0.0518	-	-
4-Formylaminoantipyrine	$\mu\text{g/l}$	0.184 \pm 0.0288	- \pm -	0.0386	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	$\mu\text{g/l}$	0.0947 \pm 0.0157	- \pm -	0.0189	-	-
Acesulfame	$\mu\text{g/l}$	0.317 \pm 0.0186	- \pm -	0.0539	-	-
Amidotrizoic acid	$\mu\text{g/l}$	0.22 \pm 0.0192	- \pm -	0.044	-	-
Atenolol	$\mu\text{g/l}$	0.327 \pm 0.0367	- \pm -	0.0655	-	-
Benzotriazole	$\mu\text{g/l}$	0.0794 \pm 0.00279	- \pm -	0.00953	-	-
Bisoprolol	$\mu\text{g/l}$	0.189 \pm 0.0306	- \pm -	0.0398	-	-
Carbamazepine	$\mu\text{g/l}$	0.167 \pm 0.0143	- \pm -	0.0301	-	-
Cyclamate	$\mu\text{g/l}$	0.171 \pm 0.0189	- \pm -	0.0342	-	-
Diazepam	$\mu\text{g/l}$	- \pm -	- \pm -	-	-	-
Diclofenac	$\mu\text{g/l}$	0.175 \pm 0.00654	- \pm -	0.0245	-	-
Ibuprofen	$\mu\text{g/l}$	0.258 \pm 0.0363	- \pm -	0.0645	-	-
Iopamidol	$\mu\text{g/l}$	0.348 \pm 0.0479	- \pm -	0.087	-	-
Metoprolol	$\mu\text{g/l}$	0.192 \pm 0.00971	- \pm -	0.0327	-	-
Saccharin	$\mu\text{g/l}$	0.389 \pm 0.0585	- \pm -	0.101	-	-
Sotalol	$\mu\text{g/l}$	0.426 \pm 0.0424	- \pm -	0.0937	-	-
Sucralose	$\mu\text{g/l}$	0.629 \pm 0.074	- \pm -	0.157	-	-
Sulfamethoxazole	$\mu\text{g/l}$	0.176 \pm 0.00987	- \pm -	0.0212	-	-

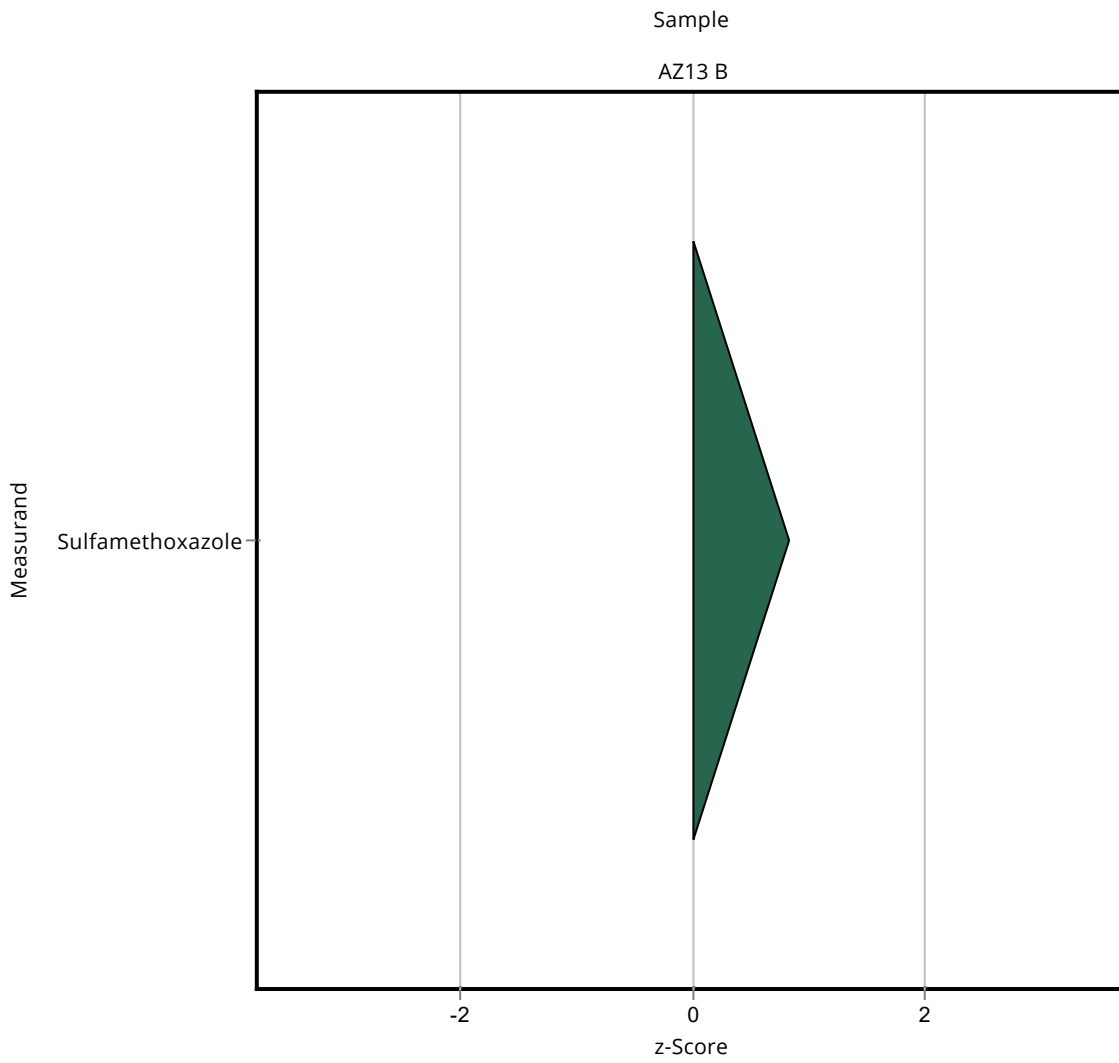
Sample: AZ13B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	$\mu\text{g/l}$	3.94 \pm 0.481	- \pm -	0.631	-	-
4-Formylaminoantipyrine	$\mu\text{g/l}$	- \pm -	- \pm -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	$\mu\text{g/l}$	0.98 \pm 0.188	- \pm -	0.235	-	-

Summary of results Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ13

Labcode: LC0007

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Acesulfame	$\mu\text{g/l}$	0.735 \pm 0.0494	- \pm -	0.125	-	-
Amidotrizoic acid	$\mu\text{g/l}$	1.36 \pm 0.108	- \pm -	0.272	-	-
Atenolol	$\mu\text{g/l}$	0.248 \pm 0.0203	- \pm -	0.0497	-	-
Benzotriazole	$\mu\text{g/l}$	4.8 \pm 0.293	- \pm -	0.624	-	-
Bisoprolol	$\mu\text{g/l}$	0.447 \pm 0.0529	- \pm -	0.0848	-	-
Carbamazepine	$\mu\text{g/l}$	0.366 \pm 0.0336	- \pm -	0.0731	-	-
Cyclamate	$\mu\text{g/l}$	0.338 \pm 0.0312	- \pm -	0.0677	-	-
Diazepam	$\mu\text{g/l}$	- \pm -	- \pm -	-	-	-
Diclofenac	$\mu\text{g/l}$	2.76 \pm 0.161	- \pm -	0.387	-	-
Ibuprofen	$\mu\text{g/l}$	0.688 \pm 0.102	- \pm -	0.179	-	-
Iopamidol	$\mu\text{g/l}$	50 \pm 4.77	- \pm -	10	-	-
Metoprolol	$\mu\text{g/l}$	0.187 \pm 0.016	- \pm -	0.0318	-	-
Saccharin	$\mu\text{g/l}$	23.3 \pm 1.28	- \pm -	3.5	-	-
Sotalol	$\mu\text{g/l}$	0.17 \pm 0.0154	- \pm -	0.0373	-	-
Sucralose	$\mu\text{g/l}$	33.4 \pm 5.21	- \pm -	8.69	-	-
Sulfamethoxazole	$\mu\text{g/l}$	0.146 \pm 0.00868	0.16 \pm 0.048	0.0175	110	0.83



Sample: AZ13A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	$\mu\text{g/l}$	0.398 \pm 0.0343	- \pm -	0.0518	-	-
4-Formylaminoantipyrine	$\mu\text{g/l}$	0.184 \pm 0.0288	- \pm -	0.0386	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	$\mu\text{g/l}$	0.0947 \pm 0.0157	- \pm -	0.0189	-	-
Acesulfame	$\mu\text{g/l}$	0.317 \pm 0.0186	- \pm -	0.0539	-	-
Amidotrizoic acid	$\mu\text{g/l}$	0.22 \pm 0.0192	- \pm -	0.044	-	-
Atenolol	$\mu\text{g/l}$	0.327 \pm 0.0367	- \pm -	0.0655	-	-
Benzotriazole	$\mu\text{g/l}$	0.0794 \pm 0.00279	- \pm -	0.00953	-	-
Bisoprolol	$\mu\text{g/l}$	0.189 \pm 0.0306	- \pm -	0.0398	-	-
Carbamazepine	$\mu\text{g/l}$	0.167 \pm 0.0143	- \pm -	0.0301	-	-
Cyclamate	$\mu\text{g/l}$	0.171 \pm 0.0189	- \pm -	0.0342	-	-
Diazepam	$\mu\text{g/l}$	- \pm -	- \pm -	-	-	-
Diclofenac	$\mu\text{g/l}$	0.175 \pm 0.00654	- \pm -	0.0245	-	-
Ibuprofen	$\mu\text{g/l}$	0.258 \pm 0.0363	- \pm -	0.0645	-	-
Iopamidol	$\mu\text{g/l}$	0.348 \pm 0.0479	- \pm -	0.087	-	-
Metoprolol	$\mu\text{g/l}$	0.192 \pm 0.00971	- \pm -	0.0327	-	-
Saccharin	$\mu\text{g/l}$	0.389 \pm 0.0585	- \pm -	0.101	-	-
Sotalol	$\mu\text{g/l}$	0.426 \pm 0.0424	- \pm -	0.0937	-	-
Sucralose	$\mu\text{g/l}$	0.629 \pm 0.074	- \pm -	0.157	-	-
Sulfamethoxazole	$\mu\text{g/l}$	0.176 \pm 0.00987	- \pm -	0.0212	-	-

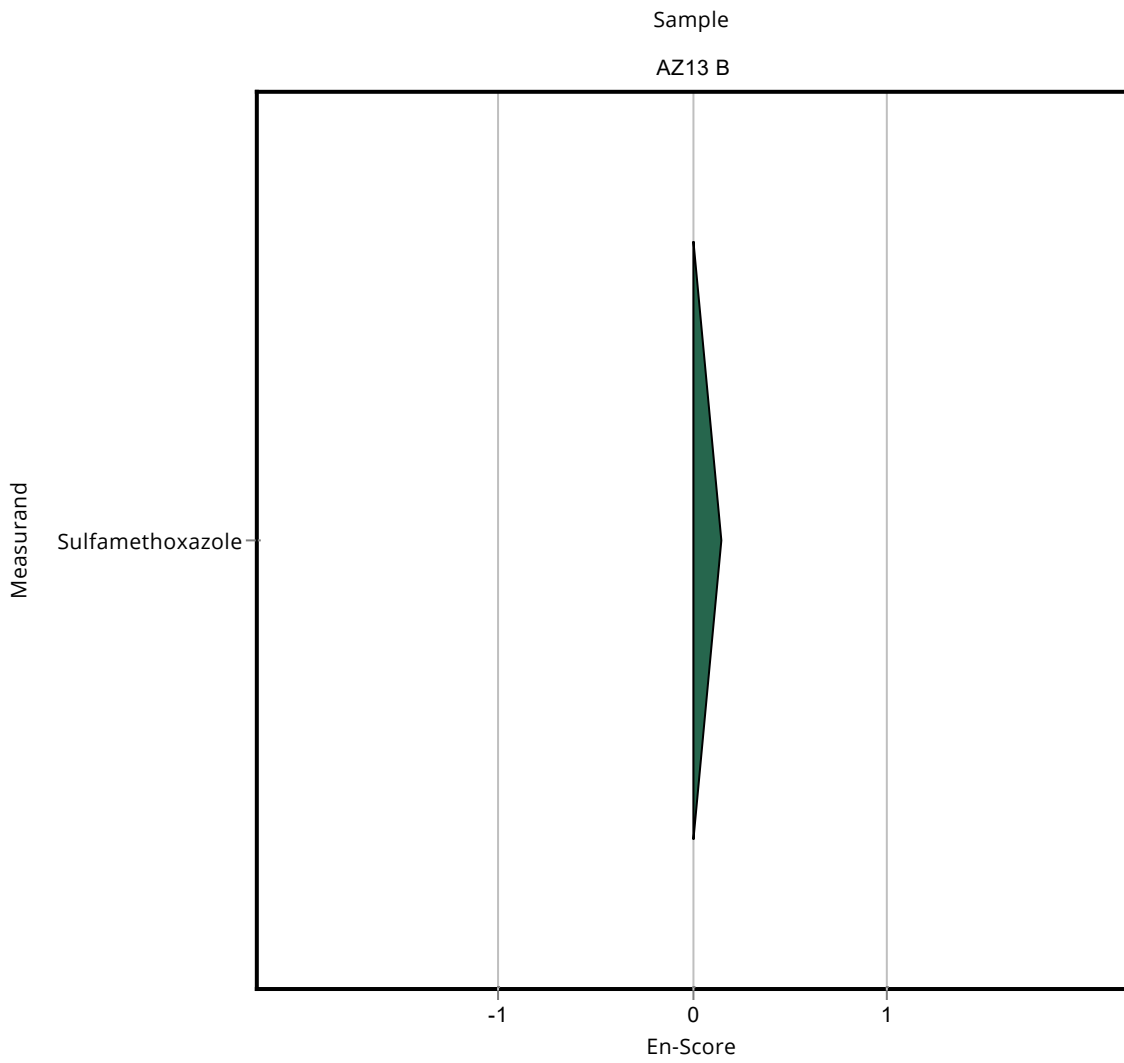
Sample: AZ13B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	$\mu\text{g/l}$	3.94 \pm 0.481	- \pm -	0.631	-	-
4-Formylaminoantipyrine	$\mu\text{g/l}$	- \pm -	- \pm -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	$\mu\text{g/l}$	0.98 \pm 0.188	- \pm -	0.235	-	-

Summary of results Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ13 - En-Score

Labcode: LC0007

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Acesulfame	$\mu\text{g/l}$	0.735 \pm 0.0494	- \pm -	0.125	-	-
Amidotrizoic acid	$\mu\text{g/l}$	1.36 \pm 0.108	- \pm -	0.272	-	-
Atenolol	$\mu\text{g/l}$	0.248 \pm 0.0203	- \pm -	0.0497	-	-
Benzotriazole	$\mu\text{g/l}$	4.8 \pm 0.293	- \pm -	0.624	-	-
Bisoprolol	$\mu\text{g/l}$	0.447 \pm 0.0529	- \pm -	0.0848	-	-
Carbamazepine	$\mu\text{g/l}$	0.366 \pm 0.0336	- \pm -	0.0731	-	-
Cyclamate	$\mu\text{g/l}$	0.338 \pm 0.0312	- \pm -	0.0677	-	-
Diazepam	$\mu\text{g/l}$	- \pm -	- \pm -	-	-	-
Diclofenac	$\mu\text{g/l}$	2.76 \pm 0.161	- \pm -	0.387	-	-
Ibuprofen	$\mu\text{g/l}$	0.688 \pm 0.102	- \pm -	0.179	-	-
Iopamidol	$\mu\text{g/l}$	50 \pm 4.77	- \pm -	10	-	-
Metoprolol	$\mu\text{g/l}$	0.187 \pm 0.016	- \pm -	0.0318	-	-
Saccharin	$\mu\text{g/l}$	23.3 \pm 1.28	- \pm -	3.5	-	-
Sotalol	$\mu\text{g/l}$	0.17 \pm 0.0154	- \pm -	0.0373	-	-
Sucralose	$\mu\text{g/l}$	33.4 \pm 5.21	- \pm -	8.69	-	-
Sulfamethoxazole	$\mu\text{g/l}$	0.146 \pm 0.00868	0.16 \pm 0.048	0.0175	110	0.15



Summary of results Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ13

Labcode: LC0008

Sample: AZ13A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	$\mu\text{g/l}$	0.398 \pm 0.0343	0.386 \pm 0.0695	0.0518	96.9	-0.24
4-Formylaminoantipyrine	$\mu\text{g/l}$	0.184 \pm 0.0288	0.141 \pm 0.0233	0.0386	76.8	-1.11
10,11-Dihydro-10,11-Dihydroxycarbamazepine	$\mu\text{g/l}$	0.0947 \pm 0.0157	- \pm -	0.0189	-	-
Acesulfame	$\mu\text{g/l}$	0.317 \pm 0.0186	0.356 \pm 0.0285	0.0539	112	0.72
Amidotrizoic acid	$\mu\text{g/l}$	0.22 \pm 0.0192	0.19 \pm 0.0219	0.044	86.3	-0.68
Atenolol	$\mu\text{g/l}$	0.327 \pm 0.0367	- \pm -	0.0655	-	-
Benzotriazole	$\mu\text{g/l}$	0.0794 \pm 0.00279	0.0815 \pm 0.009	0.00953	103	0.22
Bisoprolol	$\mu\text{g/l}$	0.189 \pm 0.0306	- \pm -	0.0398	-	-
Carbamazepine	$\mu\text{g/l}$	0.167 \pm 0.0143	0.164 \pm 0.0205	0.0301	98.1	-0.11
Cyclamate	$\mu\text{g/l}$	0.171 \pm 0.0189	- \pm -	0.0342	-	-
Diazepam	$\mu\text{g/l}$	- \pm -	- \pm -	-	-	-
Diclofenac	$\mu\text{g/l}$	0.175 \pm 0.00654	0.181 \pm 0.0127	0.0245	103	0.24
Ibuprofen	$\mu\text{g/l}$	0.258 \pm 0.0363	0.264 \pm 0.0224	0.0645	102	0.09
Iopamidol	$\mu\text{g/l}$	0.348 \pm 0.0479	0.304 \pm 0.0243	0.087	87.3	-0.51
Metoprolol	$\mu\text{g/l}$	0.192 \pm 0.00971	0.173 \pm 0.0182	0.0327	90	-0.59
Saccharin	$\mu\text{g/l}$	0.389 \pm 0.0585	- \pm -	0.101	-	-
Sotalol	$\mu\text{g/l}$	0.426 \pm 0.0424	0.398 \pm 0.0498	0.0937	93.5	-0.30
Sucralose	$\mu\text{g/l}$	0.629 \pm 0.074	- \pm -	0.157	-	-
Sulfamethoxazole	$\mu\text{g/l}$	0.176 \pm 0.00987	0.176 \pm 0.0229	0.0212	99.8	-0.01

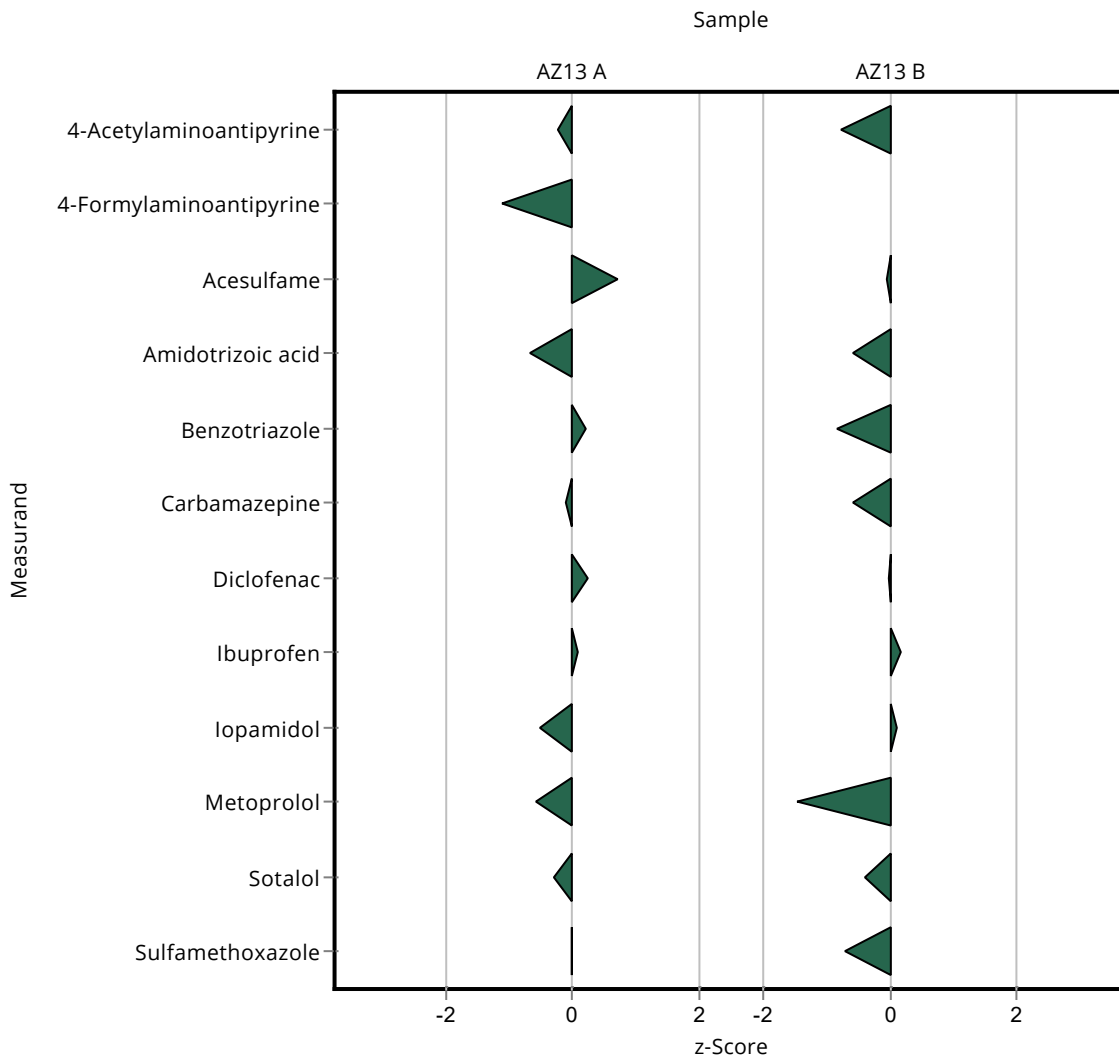
Sample: AZ13B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	$\mu\text{g/l}$	3.94 \pm 0.481	3.46 \pm 0.6228	0.631	87.8	-0.77
4-Formylaminoantipyrine	$\mu\text{g/l}$	- \pm -	5.56 \pm 0.9174	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	$\mu\text{g/l}$	0.98 \pm 0.188	- \pm -	0.235	-	-

Summary of results Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ13

Labcode: LC0008

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Acesulfame	$\mu\text{g/l}$	0.735 \pm 0.0494	0.73 \pm 0.0584	0.125	99.4	-0.04
Amidotrizoic acid	$\mu\text{g/l}$	1.36 \pm 0.108	1.203 \pm 0.1383	0.272	88.3	-0.58
Atenolol	$\mu\text{g/l}$	0.248 \pm 0.0203	- \pm -	0.0497	-	-
Benzotriazole	$\mu\text{g/l}$	4.8 \pm 0.293	4.27 \pm 0.4697	0.624	89	-0.84
Bisoprolol	$\mu\text{g/l}$	0.447 \pm 0.0529	- \pm -	0.0848	-	-
Carbamazepine	$\mu\text{g/l}$	0.366 \pm 0.0336	0.322 \pm 0.0403	0.0731	88	-0.60
Cyclamate	$\mu\text{g/l}$	0.338 \pm 0.0312	- \pm -	0.0677	-	-
Diazepam	$\mu\text{g/l}$	- \pm -	- \pm -	-	-	-
Diclofenac	$\mu\text{g/l}$	2.76 \pm 0.161	2.75 \pm 0.1925	0.387	99.6	-0.03
Ibuprofen	$\mu\text{g/l}$	0.688 \pm 0.102	0.72 \pm 0.0612	0.179	105	0.18
Iopamidol	$\mu\text{g/l}$	50 \pm 4.77	51.2 \pm 4.096	10	102	0.12
Metoprolol	$\mu\text{g/l}$	0.187 \pm 0.016	0.141 \pm 0.0148	0.0318	75.3	-1.45
Saccharin	$\mu\text{g/l}$	23.3 \pm 1.28	- \pm -	3.5	-	-
Sotalol	$\mu\text{g/l}$	0.17 \pm 0.0154	0.155 \pm 0.0194	0.0373	91.3	-0.39
Sucralose	$\mu\text{g/l}$	33.4 \pm 5.21	- \pm -	8.69	-	-
Sulfamethoxazole	$\mu\text{g/l}$	0.146 \pm 0.00868	0.133 \pm 0.0173	0.0175	91.4	-0.72



Summary of results Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ13 - En-Score

Labcode: LC0008

Sample: AZ13A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	$\mu\text{g/l}$	0.398 \pm 0.0343	0.386 \pm 0.0695	0.0518	96.9	-0.09
4-Formylaminoantipyrine	$\mu\text{g/l}$	0.184 \pm 0.0288	0.141 \pm 0.0233	0.0386	76.8	-0.78
10,11-Dihydro-10,11-Dihydroxycarbamazepine	$\mu\text{g/l}$	0.0947 \pm 0.0157	- \pm -	0.0189	-	-
Acesulfame	$\mu\text{g/l}$	0.317 \pm 0.0186	0.356 \pm 0.0285	0.0539	112	0.65
Amidotrizoic acid	$\mu\text{g/l}$	0.22 \pm 0.0192	0.19 \pm 0.0219	0.044	86.3	-0.63
Atenolol	$\mu\text{g/l}$	0.327 \pm 0.0367	- \pm -	0.0655	-	-
Benzotriazole	$\mu\text{g/l}$	0.0794 \pm 0.00279	0.0815 \pm 0.009	0.00953	103	0.12
Bisoprolol	$\mu\text{g/l}$	0.189 \pm 0.0306	- \pm -	0.0398	-	-
Carbamazepine	$\mu\text{g/l}$	0.167 \pm 0.0143	0.164 \pm 0.0205	0.0301	98.1	-0.07
Cyclamate	$\mu\text{g/l}$	0.171 \pm 0.0189	- \pm -	0.0342	-	-
Diazepam	$\mu\text{g/l}$	- \pm -	- \pm -	-	-	-
Diclofenac	$\mu\text{g/l}$	0.175 \pm 0.00654	0.181 \pm 0.0127	0.0245	103	0.22
Ibuprofen	$\mu\text{g/l}$	0.258 \pm 0.0363	0.264 \pm 0.0224	0.0645	102	0.10
Iopamidol	$\mu\text{g/l}$	0.348 \pm 0.0479	0.304 \pm 0.0243	0.087	87.3	-0.65
Metoprolol	$\mu\text{g/l}$	0.192 \pm 0.00971	0.173 \pm 0.0182	0.0327	90	-0.51
Saccharin	$\mu\text{g/l}$	0.389 \pm 0.0585	- \pm -	0.101	-	-
Sotalol	$\mu\text{g/l}$	0.426 \pm 0.0424	0.398 \pm 0.0498	0.0937	93.5	-0.26
Sucralose	$\mu\text{g/l}$	0.629 \pm 0.074	- \pm -	0.157	-	-
Sulfamethoxazole	$\mu\text{g/l}$	0.176 \pm 0.00987	0.176 \pm 0.0229	0.0212	99.8	-0.01

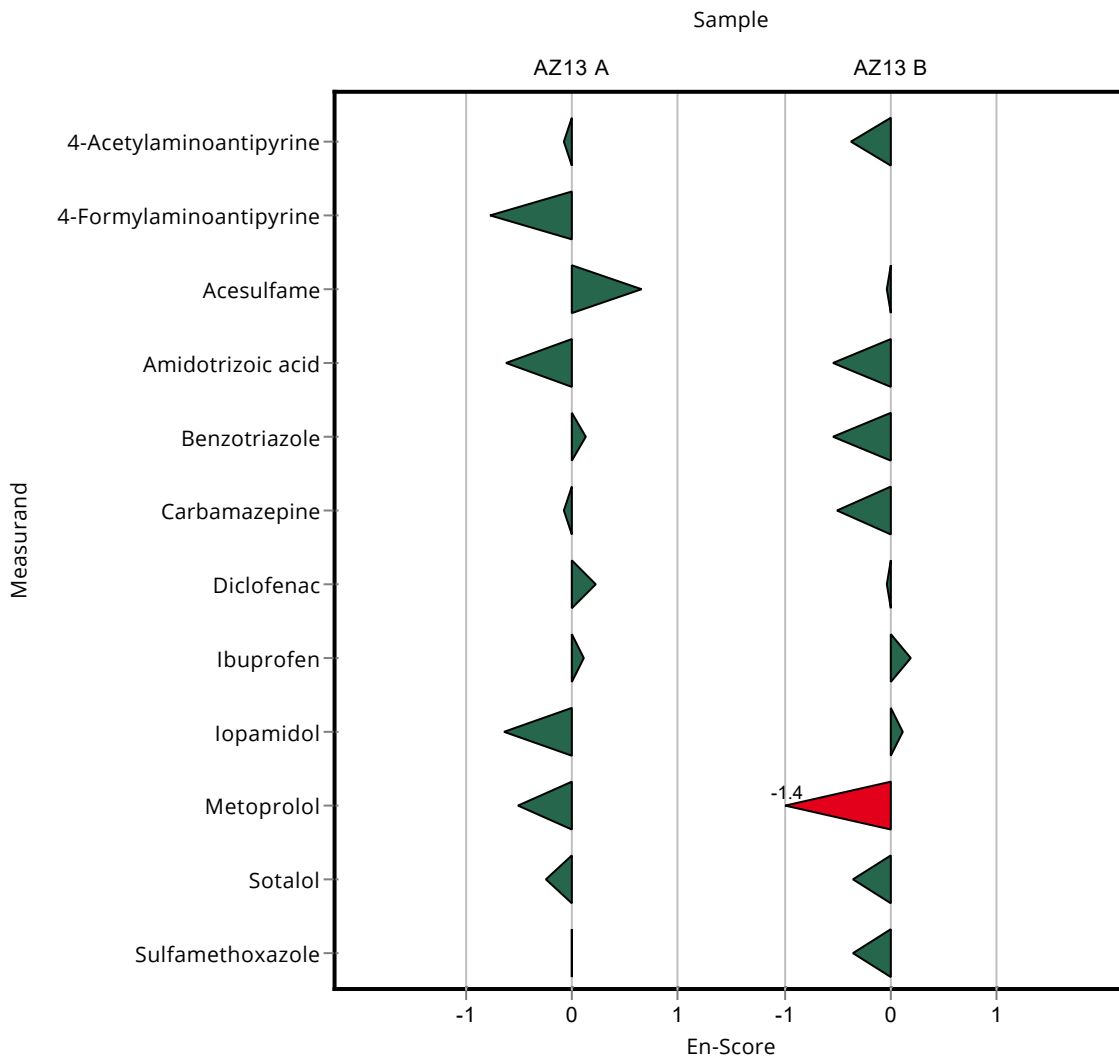
Sample: AZ13B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	$\mu\text{g/l}$	3.94 \pm 0.481	3.46 \pm 0.6228	0.631	87.8	-0.36
4-Formylaminoantipyrine	$\mu\text{g/l}$	- \pm -	5.56 \pm 0.9174	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	$\mu\text{g/l}$	0.98 \pm 0.188	- \pm -	0.235	-	-

Summary of results Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ13 - En-Score

Labcode: LC0008

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Acesulfame	$\mu\text{g/l}$	0.735 \pm 0.0494	0.73 \pm 0.0584	0.125	99.4	-0.04
Amidotrizoic acid	$\mu\text{g/l}$	1.36 \pm 0.108	1.203 \pm 0.1383	0.272	88.3	-0.53
Atenolol	$\mu\text{g/l}$	0.248 \pm 0.0203	- \pm -	0.0497	-	-
Benzotriazole	$\mu\text{g/l}$	4.8 \pm 0.293	4.27 \pm 0.4697	0.624	89	-0.54
Bisoprolol	$\mu\text{g/l}$	0.447 \pm 0.0529	- \pm -	0.0848	-	-
Carbamazepine	$\mu\text{g/l}$	0.366 \pm 0.0336	0.322 \pm 0.0403	0.0731	88	-0.50
Cyclamate	$\mu\text{g/l}$	0.338 \pm 0.0312	- \pm -	0.0677	-	-
Diazepam	$\mu\text{g/l}$	- \pm -	- \pm -	-	-	-
Diclofenac	$\mu\text{g/l}$	2.76 \pm 0.161	2.75 \pm 0.1925	0.387	99.6	-0.03
Ibuprofen	$\mu\text{g/l}$	0.688 \pm 0.102	0.72 \pm 0.0612	0.179	105	0.20
Iopamidol	$\mu\text{g/l}$	50 \pm 4.77	51.2 \pm 4.096	10	102	0.13
Metoprolol	$\mu\text{g/l}$	0.187 \pm 0.016	0.141 \pm 0.0148	0.0318	75.3	-1.37
Saccharin	$\mu\text{g/l}$	23.3 \pm 1.28	- \pm -	3.5	-	-
Sotalol	$\mu\text{g/l}$	0.17 \pm 0.0154	0.155 \pm 0.0194	0.0373	91.3	-0.35
Sucralose	$\mu\text{g/l}$	33.4 \pm 5.21	- \pm -	8.69	-	-
Sulfamethoxazole	$\mu\text{g/l}$	0.146 \pm 0.00868	0.133 \pm 0.0173	0.0175	91.4	-0.35



Summary of results Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ13

Labcode: LC0009

Sample: AZ13A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	$\mu\text{g/l}$	0.398 \pm 0.0343	0.319 \pm 0.096	0.0518	80.1	-1.53
4-Formylaminoantipyrine	$\mu\text{g/l}$	0.184 \pm 0.0288	0.153 \pm 0.0612	0.0386	83.3	-0.79
10,11-Dihydro-10,11-Dihydroxycarbamazepine	$\mu\text{g/l}$	0.0947 \pm 0.0157	0.082 \pm 0.029	0.0189	86.6	-0.67
Acesulfame	$\mu\text{g/l}$	0.317 \pm 0.0186	0.348 \pm 0.063	0.0539	110	0.57
Amidotrizoic acid	$\mu\text{g/l}$	0.22 \pm 0.0192	0.241 \pm 0.065	0.044	109	0.47
Atenolol	$\mu\text{g/l}$	0.327 \pm 0.0367	- \pm -	0.0655	-	-
Benzotriazole	$\mu\text{g/l}$	0.0794 \pm 0.00279	0.0774 \pm 0.026	0.00953	97.5	-0.21
Bisoprolol	$\mu\text{g/l}$	0.189 \pm 0.0306	- \pm -	0.0398	-	-
Carbamazepine	$\mu\text{g/l}$	0.167 \pm 0.0143	0.154 \pm 0.057	0.0301	92.1	-0.44
Cyclamate	$\mu\text{g/l}$	0.171 \pm 0.0189	0.204 \pm 0.033	0.0342	119	0.97
Diazepam	$\mu\text{g/l}$	- \pm -	0.109 \pm 0.058	-	-	-
Diclofenac	$\mu\text{g/l}$	0.175 \pm 0.00654	0.151 \pm 0.048	0.0245	86.2	-0.98
Ibuprofen	$\mu\text{g/l}$	0.258 \pm 0.0363	- \pm -	0.0645	-	-
Iopamidol	$\mu\text{g/l}$	0.348 \pm 0.0479	0.341 \pm 0.092	0.087	98	-0.08
Metoprolol	$\mu\text{g/l}$	0.192 \pm 0.00971	0.161 \pm 0.045	0.0327	83.7	-0.96
Saccharin	$\mu\text{g/l}$	0.389 \pm 0.0585	0.446 \pm 0.103	0.101	115	0.56
Sotalol	$\mu\text{g/l}$	0.426 \pm 0.0424	0.328 \pm 0.118	0.0937	77	-1.04
Sucralose	$\mu\text{g/l}$	0.629 \pm 0.074	0.801 \pm 0.2	0.157	127	1.10
Sulfamethoxazole	$\mu\text{g/l}$	0.176 \pm 0.00987	0.156 \pm 0.051	0.0212	88.5	-0.96

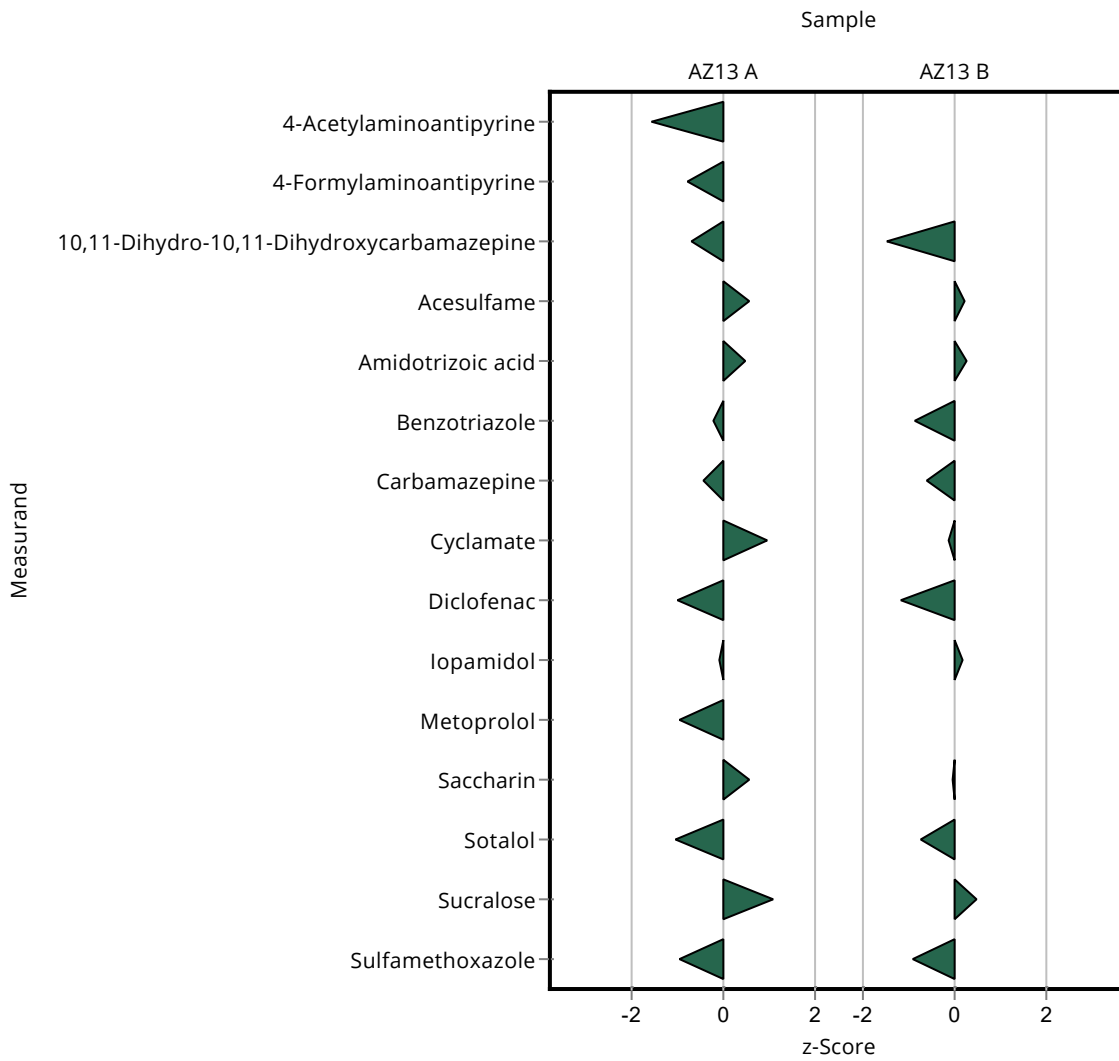
Sample: AZ13B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	$\mu\text{g/l}$	3.94 \pm 0.481	- \pm -	0.631	-	-
4-Formylaminoantipyrine	$\mu\text{g/l}$	- \pm -	- \pm -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	$\mu\text{g/l}$	0.98 \pm 0.188	0.63 \pm 0.221	0.235	64.3	-1.49

Summary of results Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ13

Labcode: LC0009

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Acesulfame	$\mu\text{g/l}$	0.735 \pm 0.0494	0.763 \pm 0.137	0.125	104	0.23
Amidotrizoic acid	$\mu\text{g/l}$	1.36 \pm 0.108	1.428 \pm 0.386	0.272	105	0.24
Atenolol	$\mu\text{g/l}$	0.248 \pm 0.0203	- \pm -	0.0497	-	-
Benzotriazole	$\mu\text{g/l}$	4.8 \pm 0.293	4.27 \pm 1.452	0.624	89	-0.84
Bisoprolol	$\mu\text{g/l}$	0.447 \pm 0.0529	- \pm -	0.0848	-	-
Carbamazepine	$\mu\text{g/l}$	0.366 \pm 0.0336	0.32 \pm 0.118	0.0731	87.5	-0.62
Cyclamate	$\mu\text{g/l}$	0.338 \pm 0.0312	0.329 \pm 0.053	0.0677	97.2	-0.14
Diazepam	$\mu\text{g/l}$	- \pm -	1.06 \pm 0.562	-	-	-
Diclofenac	$\mu\text{g/l}$	2.76 \pm 0.161	2.315 \pm 0.741	0.387	83.8	-1.16
Ibuprofen	$\mu\text{g/l}$	0.688 \pm 0.102	- \pm -	0.179	-	-
Iopamidol	$\mu\text{g/l}$	50 \pm 4.77	51.86 \pm 14.002	10	104	0.19
Metoprolol	$\mu\text{g/l}$	0.187 \pm 0.016	- \pm -	0.0318	-	-
Saccharin	$\mu\text{g/l}$	23.3 \pm 1.28	23.14 \pm 5.322	3.5	99.2	-0.06
Sotalol	$\mu\text{g/l}$	0.17 \pm 0.0154	0.142 \pm 0.051	0.0373	83.7	-0.74
Sucralose	$\mu\text{g/l}$	33.4 \pm 5.21	37.55 \pm 9.388	8.69	112	0.47
Sulfamethoxazole	$\mu\text{g/l}$	0.146 \pm 0.00868	0.13 \pm 0.043	0.0175	89.3	-0.89



Summary of results Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ13 - En-Score

Labcode: LC0009

Sample: AZ13A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	$\mu\text{g/l}$	0.398 \pm 0.0343	0.319 \pm 0.096	0.0518	80.1	-0.41
4-Formylaminoantipyrine	$\mu\text{g/l}$	0.184 \pm 0.0288	0.153 \pm 0.0612	0.0386	83.3	-0.24
10,11-Dihydro-10,11-Dihydroxycarbamazepine	$\mu\text{g/l}$	0.0947 \pm 0.0157	0.082 \pm 0.029	0.0189	86.6	-0.21
Acesulfame	$\mu\text{g/l}$	0.317 \pm 0.0186	0.348 \pm 0.063	0.0539	110	0.24
Amidotrizoic acid	$\mu\text{g/l}$	0.22 \pm 0.0192	0.241 \pm 0.065	0.044	109	0.16
Atenolol	$\mu\text{g/l}$	0.327 \pm 0.0367	- \pm -	0.0655	-	-
Benzotriazole	$\mu\text{g/l}$	0.0794 \pm 0.00279	0.0774 \pm 0.026	0.00953	97.5	-0.04
Bisoprolol	$\mu\text{g/l}$	0.189 \pm 0.0306	- \pm -	0.0398	-	-
Carbamazepine	$\mu\text{g/l}$	0.167 \pm 0.0143	0.154 \pm 0.057	0.0301	92.1	-0.12
Cyclamate	$\mu\text{g/l}$	0.171 \pm 0.0189	0.204 \pm 0.033	0.0342	119	0.48
Diazepam	$\mu\text{g/l}$	- \pm -	0.109 \pm 0.058	-	-	-
Diclofenac	$\mu\text{g/l}$	0.175 \pm 0.00654	0.151 \pm 0.048	0.0245	86.2	-0.25
Ibuprofen	$\mu\text{g/l}$	0.258 \pm 0.0363	- \pm -	0.0645	-	-
Iopamidol	$\mu\text{g/l}$	0.348 \pm 0.0479	0.341 \pm 0.092	0.087	98	-0.04
Metoprolol	$\mu\text{g/l}$	0.192 \pm 0.00971	0.161 \pm 0.045	0.0327	83.7	-0.35
Saccharin	$\mu\text{g/l}$	0.389 \pm 0.0585	0.446 \pm 0.103	0.101	115	0.27
Sotalol	$\mu\text{g/l}$	0.426 \pm 0.0424	0.328 \pm 0.118	0.0937	77	-0.41
Sucralose	$\mu\text{g/l}$	0.629 \pm 0.074	0.801 \pm 0.2	0.157	127	0.42
Sulfamethoxazole	$\mu\text{g/l}$	0.176 \pm 0.00987	0.156 \pm 0.051	0.0212	88.5	-0.20

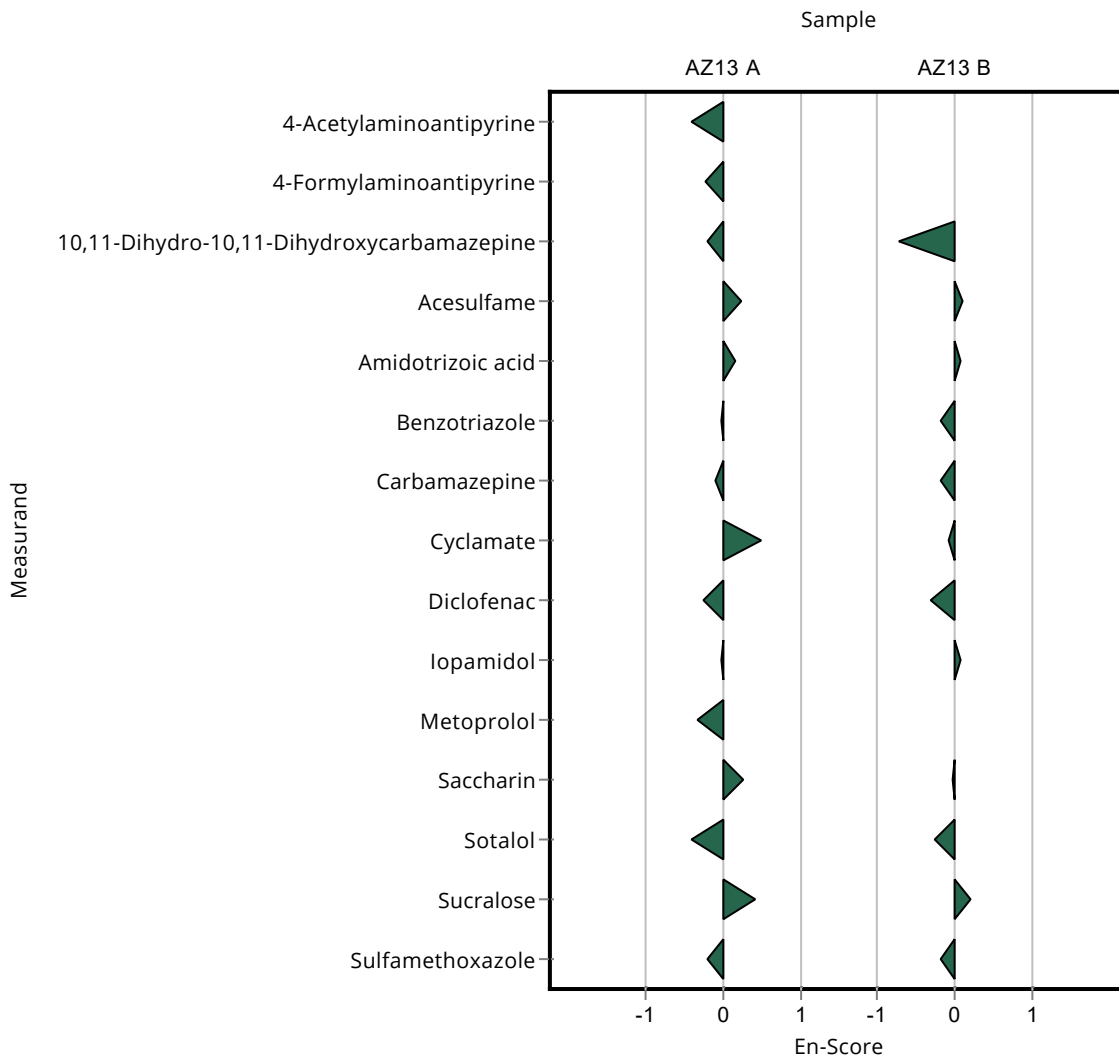
Sample: AZ13B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	$\mu\text{g/l}$	3.94 \pm 0.481	- \pm -	0.631	-	-
4-Formylaminoantipyrine	$\mu\text{g/l}$	- \pm -	- \pm -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	$\mu\text{g/l}$	0.98 \pm 0.188	0.63 \pm 0.221	0.235	64.3	-0.73

Summary of results Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ13 - En-Score

Labcode: LC0009

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Acesulfame	$\mu\text{g/l}$	0.735 \pm 0.0494	0.763 \pm 0.137	0.125	104	0.10
Amidotrizoic acid	$\mu\text{g/l}$	1.36 \pm 0.108	1.428 \pm 0.386	0.272	105	0.09
Atenolol	$\mu\text{g/l}$	0.248 \pm 0.0203	- \pm -	0.0497	-	-
Benzotriazole	$\mu\text{g/l}$	4.8 \pm 0.293	4.27 \pm 1.452	0.624	89	-0.18
Bisoprolol	$\mu\text{g/l}$	0.447 \pm 0.0529	- \pm -	0.0848	-	-
Carbamazepine	$\mu\text{g/l}$	0.366 \pm 0.0336	0.32 \pm 0.118	0.0731	87.5	-0.19
Cyclamate	$\mu\text{g/l}$	0.338 \pm 0.0312	0.329 \pm 0.053	0.0677	97.2	-0.09
Diazepam	$\mu\text{g/l}$	- \pm -	1.06 \pm 0.562	-	-	-
Diclofenac	$\mu\text{g/l}$	2.76 \pm 0.161	2.315 \pm 0.741	0.387	83.8	-0.30
Ibuprofen	$\mu\text{g/l}$	0.688 \pm 0.102	- \pm -	0.179	-	-
Iopamidol	$\mu\text{g/l}$	50 \pm 4.77	51.86 \pm 14.002	10	104	0.07
Metoprolol	$\mu\text{g/l}$	0.187 \pm 0.016	- \pm -	0.0318	-	-
Saccharin	$\mu\text{g/l}$	23.3 \pm 1.28	23.14 \pm 5.322	3.5	99.2	-0.02
Sotalol	$\mu\text{g/l}$	0.17 \pm 0.0154	0.142 \pm 0.051	0.0373	83.7	-0.27
Sucralose	$\mu\text{g/l}$	33.4 \pm 5.21	37.55 \pm 9.388	8.69	112	0.21
Sulfamethoxazole	$\mu\text{g/l}$	0.146 \pm 0.00868	0.13 \pm 0.043	0.0175	89.3	-0.18



Sample: AZ13A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	$\mu\text{g/l}$	0.398 \pm 0.0343	- \pm -	0.0518	-	-
4-Formylaminoantipyrine	$\mu\text{g/l}$	0.184 \pm 0.0288	- \pm -	0.0386	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	$\mu\text{g/l}$	0.0947 \pm 0.0157	0.185 \pm 0.083	0.0189	195	4.77
Acesulfame	$\mu\text{g/l}$	0.317 \pm 0.0186	0.314 \pm 0.063	0.0539	99	-0.06
Amidotrizoic acid	$\mu\text{g/l}$	0.22 \pm 0.0192	0.22 \pm 0.077	0.044	100	0.00
Atenolol	$\mu\text{g/l}$	0.327 \pm 0.0367	0.365 \pm 0.146	0.0655	112	0.58
Benzotriazole	$\mu\text{g/l}$	0.0794 \pm 0.00279	0.077 \pm 0.027	0.00953	97	-0.25
Bisoprolol	$\mu\text{g/l}$	0.189 \pm 0.0306	- \pm -	0.0398	-	-
Carbamazepine	$\mu\text{g/l}$	0.167 \pm 0.0143	0.138 \pm 0.055	0.0301	82.5	-0.97
Cyclamate	$\mu\text{g/l}$	0.171 \pm 0.0189	0.174 \pm 0.043	0.0342	102	0.09
Diazepam	$\mu\text{g/l}$	- \pm -	- \pm -	-	-	-
Diclofenac	$\mu\text{g/l}$	0.175 \pm 0.00654	- \pm -	0.0245	-	-
Ibuprofen	$\mu\text{g/l}$	0.258 \pm 0.0363	- \pm -	0.0645	-	-
Iopamidol	$\mu\text{g/l}$	0.348 \pm 0.0479	- \pm -	0.087	-	-
Metoprolol	$\mu\text{g/l}$	0.192 \pm 0.00971	0.187 \pm 0.075	0.0327	97.2	-0.16
Saccharin	$\mu\text{g/l}$	0.389 \pm 0.0585	0.223 \pm 0.089	0.101	57.3	-1.64
Sotalol	$\mu\text{g/l}$	0.426 \pm 0.0424	0.444 \pm 0.178	0.0937	104	0.19
Sucralose	$\mu\text{g/l}$	0.629 \pm 0.074	- \pm -	0.157	-	-
Sulfamethoxazole	$\mu\text{g/l}$	0.176 \pm 0.00987	0.156 \pm 0.055	0.0212	88.5	-0.96

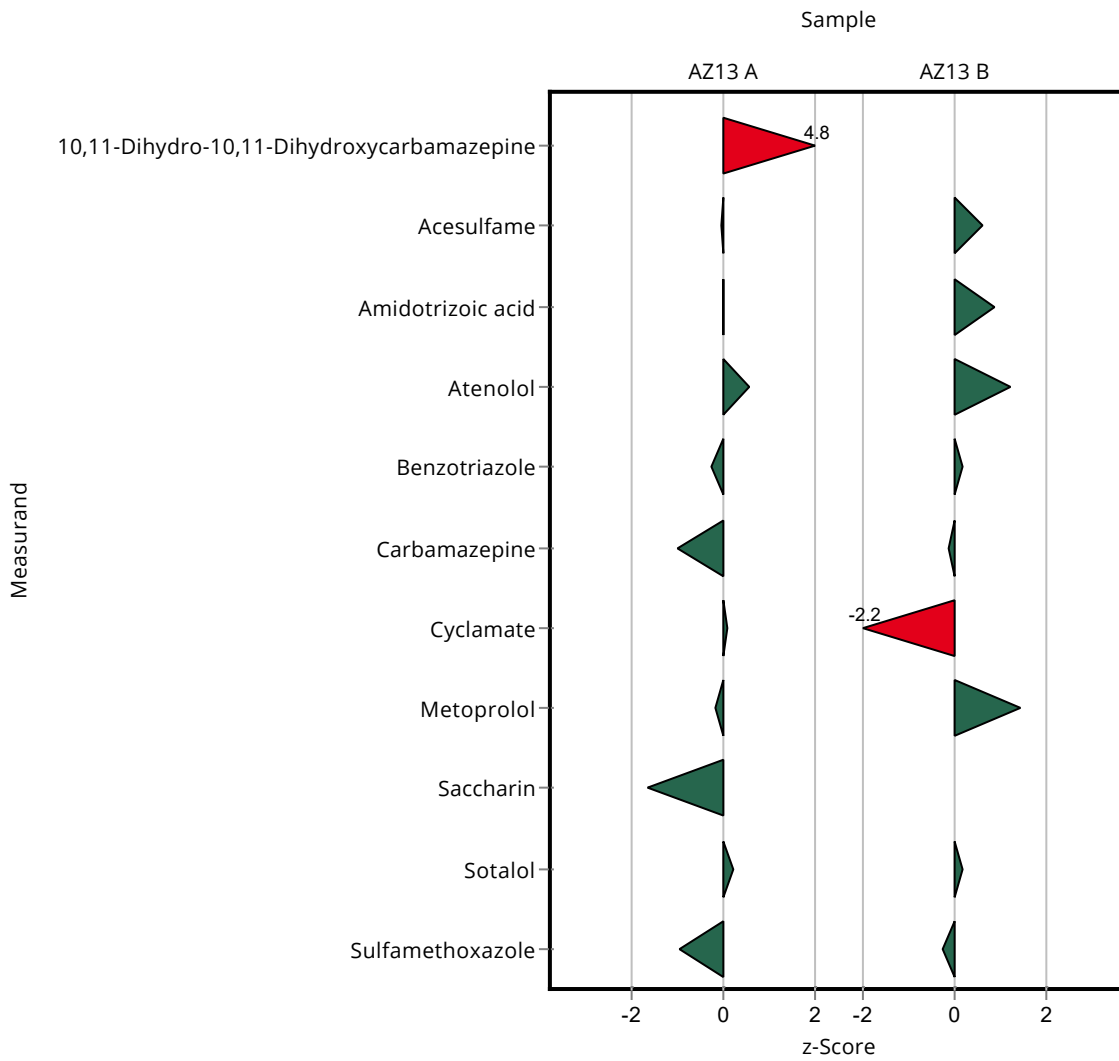
Sample: AZ13B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	$\mu\text{g/l}$	3.94 \pm 0.481	- \pm -	0.631	-	-
4-Formylaminoantipyrine	$\mu\text{g/l}$	- \pm -	- \pm -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	$\mu\text{g/l}$	0.98 \pm 0.188	- \pm -	0.235	-	-

Summary of results Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ13

Labcode: LC0010

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Acesulfame	$\mu\text{g/l}$	0.735 \pm 0.0494	0.811 \pm 0.162	0.125	110	0.61
Amidotrizoic acid	$\mu\text{g/l}$	1.36 \pm 0.108	1.6 \pm 0.56	0.272	117	0.87
Atenolol	$\mu\text{g/l}$	0.248 \pm 0.0203	0.308 \pm 0.123	0.0497	124	1.20
Benzotriazole	$\mu\text{g/l}$	4.8 \pm 0.293	4.901 \pm 1.715	0.624	102	0.17
Bisoprolol	$\mu\text{g/l}$	0.447 \pm 0.0529	- \pm -	0.0848	-	-
Carbamazepine	$\mu\text{g/l}$	0.366 \pm 0.0336	0.356 \pm 0.142	0.0731	97.3	-0.13
Cyclamate	$\mu\text{g/l}$	0.338 \pm 0.0312	0.189 \pm 0.047	0.0677	55.8	-2.21
Diazepam	$\mu\text{g/l}$	- \pm -	- \pm -	-	-	-
Diclofenac	$\mu\text{g/l}$	2.76 \pm 0.161	- \pm -	0.387	-	-
Ibuprofen	$\mu\text{g/l}$	0.688 \pm 0.102	- \pm -	0.179	-	-
Iopamidol	$\mu\text{g/l}$	50 \pm 4.77	- \pm -	10	-	-
Metoprolol	$\mu\text{g/l}$	0.187 \pm 0.016	0.232 \pm 0.093	0.0318	124	1.41
Saccharin	$\mu\text{g/l}$	23.3 \pm 1.28	- \pm -	3.5	-	-
Sotalol	$\mu\text{g/l}$	0.17 \pm 0.0154	0.176 \pm 0.071	0.0373	104	0.17
Sucralose	$\mu\text{g/l}$	33.4 \pm 5.21	- \pm -	8.69	-	-
Sulfamethoxazole	$\mu\text{g/l}$	0.146 \pm 0.00868	0.141 \pm 0.049	0.0175	96.9	-0.26



Summary of results Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ13 - En-Score

Labcode: LC0010

Sample: AZ13A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	$\mu\text{g/l}$	0.398 \pm 0.0343	- \pm -	0.0518	-	-
4-Formylaminoantipyrine	$\mu\text{g/l}$	0.184 \pm 0.0288	- \pm -	0.0386	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	$\mu\text{g/l}$	0.0947 \pm 0.0157	0.185 \pm 0.083	0.0189	195	0.54
Acesulfame	$\mu\text{g/l}$	0.317 \pm 0.0186	0.314 \pm 0.063	0.0539	99	-0.03
Amidotrizoic acid	$\mu\text{g/l}$	0.22 \pm 0.0192	0.22 \pm 0.077	0.044	100	0.00
Atenolol	$\mu\text{g/l}$	0.327 \pm 0.0367	0.365 \pm 0.146	0.0655	112	0.13
Benzotriazole	$\mu\text{g/l}$	0.0794 \pm 0.00279	0.077 \pm 0.027	0.00953	97	-0.04
Bisoprolol	$\mu\text{g/l}$	0.189 \pm 0.0306	- \pm -	0.0398	-	-
Carbamazepine	$\mu\text{g/l}$	0.167 \pm 0.0143	0.138 \pm 0.055	0.0301	82.5	-0.26
Cyclamate	$\mu\text{g/l}$	0.171 \pm 0.0189	0.174 \pm 0.043	0.0342	102	0.04
Diazepam	$\mu\text{g/l}$	- \pm -	- \pm -	-	-	-
Diclofenac	$\mu\text{g/l}$	0.175 \pm 0.00654	- \pm -	0.0245	-	-
Ibuprofen	$\mu\text{g/l}$	0.258 \pm 0.0363	- \pm -	0.0645	-	-
Iopamidol	$\mu\text{g/l}$	0.348 \pm 0.0479	- \pm -	0.087	-	-
Metoprolol	$\mu\text{g/l}$	0.192 \pm 0.00971	0.187 \pm 0.075	0.0327	97.2	-0.04
Saccharin	$\mu\text{g/l}$	0.389 \pm 0.0585	0.223 \pm 0.089	0.101	57.3	-0.89
Sotalol	$\mu\text{g/l}$	0.426 \pm 0.0424	0.444 \pm 0.178	0.0937	104	0.05
Sucralose	$\mu\text{g/l}$	0.629 \pm 0.074	- \pm -	0.157	-	-
Sulfamethoxazole	$\mu\text{g/l}$	0.176 \pm 0.00987	0.156 \pm 0.055	0.0212	88.5	-0.18

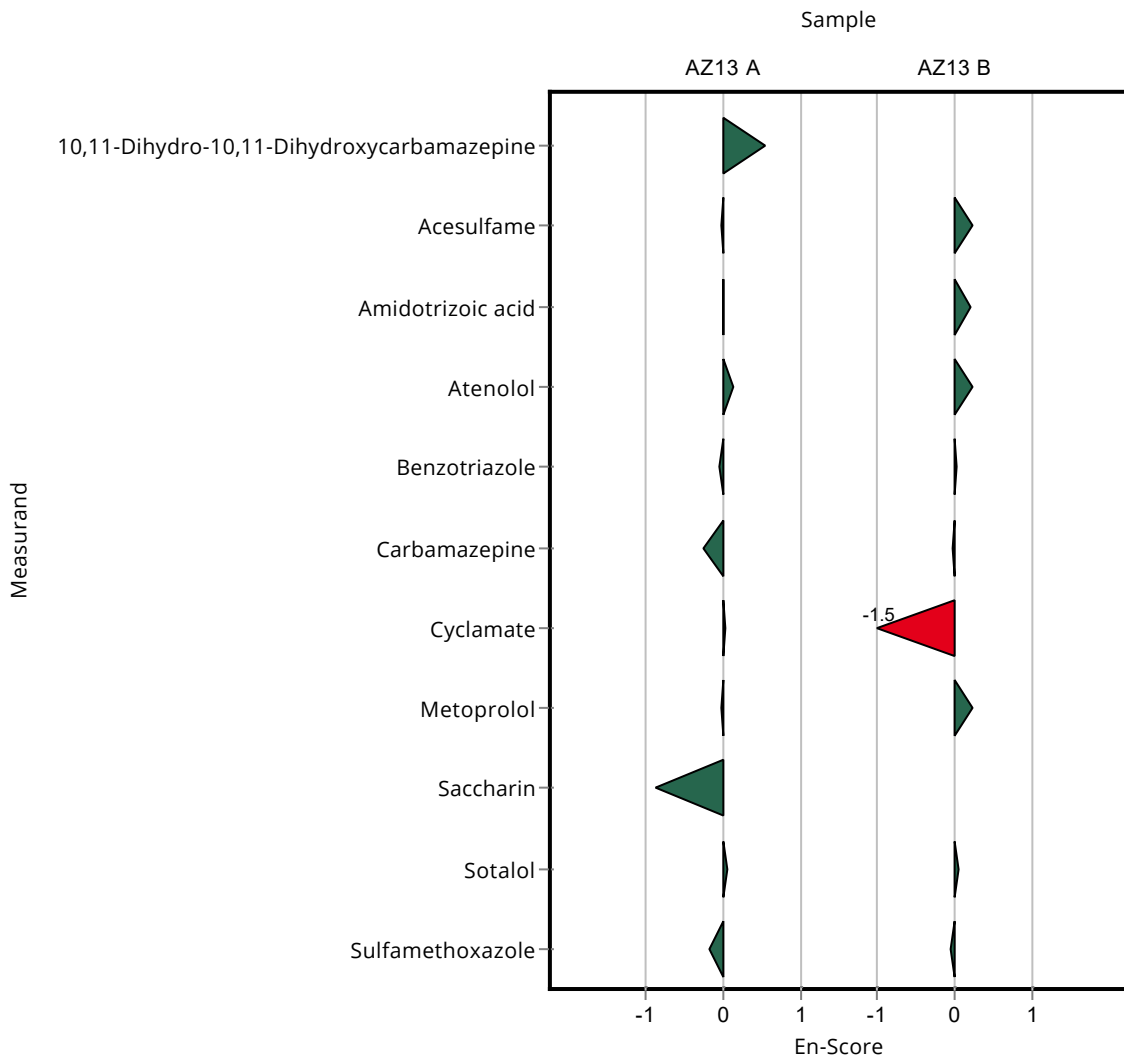
Sample: AZ13B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	$\mu\text{g/l}$	3.94 \pm 0.481	- \pm -	0.631	-	-
4-Formylaminoantipyrine	$\mu\text{g/l}$	- \pm -	- \pm -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	$\mu\text{g/l}$	0.98 \pm 0.188	- \pm -	0.235	-	-

Summary of results Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ13 - En-Score

Labcode: LC0010

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Acesulfame	$\mu\text{g/l}$	0.735 \pm 0.0494	0.811 \pm 0.162	0.125	110	0.23
Amidotrizoic acid	$\mu\text{g/l}$	1.36 \pm 0.108	1.6 \pm 0.56	0.272	117	0.21
Atenolol	$\mu\text{g/l}$	0.248 \pm 0.0203	0.308 \pm 0.123	0.0497	124	0.24
Benzotriazole	$\mu\text{g/l}$	4.8 \pm 0.293	4.901 \pm 1.715	0.624	102	0.03
Bisoprolol	$\mu\text{g/l}$	0.447 \pm 0.0529	- \pm -	0.0848	-	-
Carbamazepine	$\mu\text{g/l}$	0.366 \pm 0.0336	0.356 \pm 0.142	0.0731	97.3	-0.03
Cyclamate	$\mu\text{g/l}$	0.338 \pm 0.0312	0.189 \pm 0.047	0.0677	55.8	-1.51
Diazepam	$\mu\text{g/l}$	- \pm -	- \pm -	-	-	-
Diclofenac	$\mu\text{g/l}$	2.76 \pm 0.161	- \pm -	0.387	-	-
Ibuprofen	$\mu\text{g/l}$	0.688 \pm 0.102	- \pm -	0.179	-	-
Iopamidol	$\mu\text{g/l}$	50 \pm 4.77	- \pm -	10	-	-
Metoprolol	$\mu\text{g/l}$	0.187 \pm 0.016	0.232 \pm 0.093	0.0318	124	0.24
Saccharin	$\mu\text{g/l}$	23.3 \pm 1.28	- \pm -	3.5	-	-
Sotalol	$\mu\text{g/l}$	0.17 \pm 0.0154	0.176 \pm 0.071	0.0373	104	0.04
Sucralose	$\mu\text{g/l}$	33.4 \pm 5.21	- \pm -	8.69	-	-
Sulfamethoxazole	$\mu\text{g/l}$	0.146 \pm 0.00868	0.141 \pm 0.049	0.0175	96.9	-0.05



Summary of results Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ13

Labcode: LC0011

Sample: AZ13A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	$\mu\text{g/l}$	0.398 \pm 0.0343	- \pm -	0.0518	-	-
4-Formylaminoantipyrine	$\mu\text{g/l}$	0.184 \pm 0.0288	- \pm -	0.0386	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	$\mu\text{g/l}$	0.0947 \pm 0.0157	- \pm -	0.0189	-	-
Acesulfame	$\mu\text{g/l}$	0.317 \pm 0.0186	0.333 \pm 0.06	0.0539	105	0.29
Amidotrizoic acid	$\mu\text{g/l}$	0.22 \pm 0.0192	0.218 \pm 0.039	0.044	99	-0.05
Atenolol	$\mu\text{g/l}$	0.327 \pm 0.0367	0.276 \pm 0.05	0.0655	84.3	-0.78
Benzotriazole	$\mu\text{g/l}$	0.0794 \pm 0.00279	0.087 \pm 0.016	0.00953	110	0.80
Bisoprolol	$\mu\text{g/l}$	0.189 \pm 0.0306	- \pm -	0.0398	-	-
Carbamazepine	$\mu\text{g/l}$	0.167 \pm 0.0143	0.177 \pm 0.032	0.0301	106	0.32
Cyclamate	$\mu\text{g/l}$	0.171 \pm 0.0189	0.187 \pm 0.034	0.0342	109	0.47
Diazepam	$\mu\text{g/l}$	- \pm -	- \pm -	-	-	-
Diclofenac	$\mu\text{g/l}$	0.175 \pm 0.00654	0.172 \pm 0.031	0.0245	98.2	-0.13
Ibuprofen	$\mu\text{g/l}$	0.258 \pm 0.0363	- \pm -	0.0645	-	-
Iopamidol	$\mu\text{g/l}$	0.348 \pm 0.0479	0.343 \pm 0.062	0.087	98.5	-0.06
Metoprolol	$\mu\text{g/l}$	0.192 \pm 0.00971	0.188 \pm 0.034	0.0327	97.8	-0.13
Saccharin	$\mu\text{g/l}$	0.389 \pm 0.0585	0.401 \pm 0.072	0.101	103	0.12
Sotalol	$\mu\text{g/l}$	0.426 \pm 0.0424	0.391 \pm 0.07	0.0937	91.8	-0.37
Sucralose	$\mu\text{g/l}$	0.629 \pm 0.074	0.629 \pm 0.113	0.157	100	0.00
Sulfamethoxazole	$\mu\text{g/l}$	0.176 \pm 0.00987	0.17 \pm 0.031	0.0212	96.4	-0.30

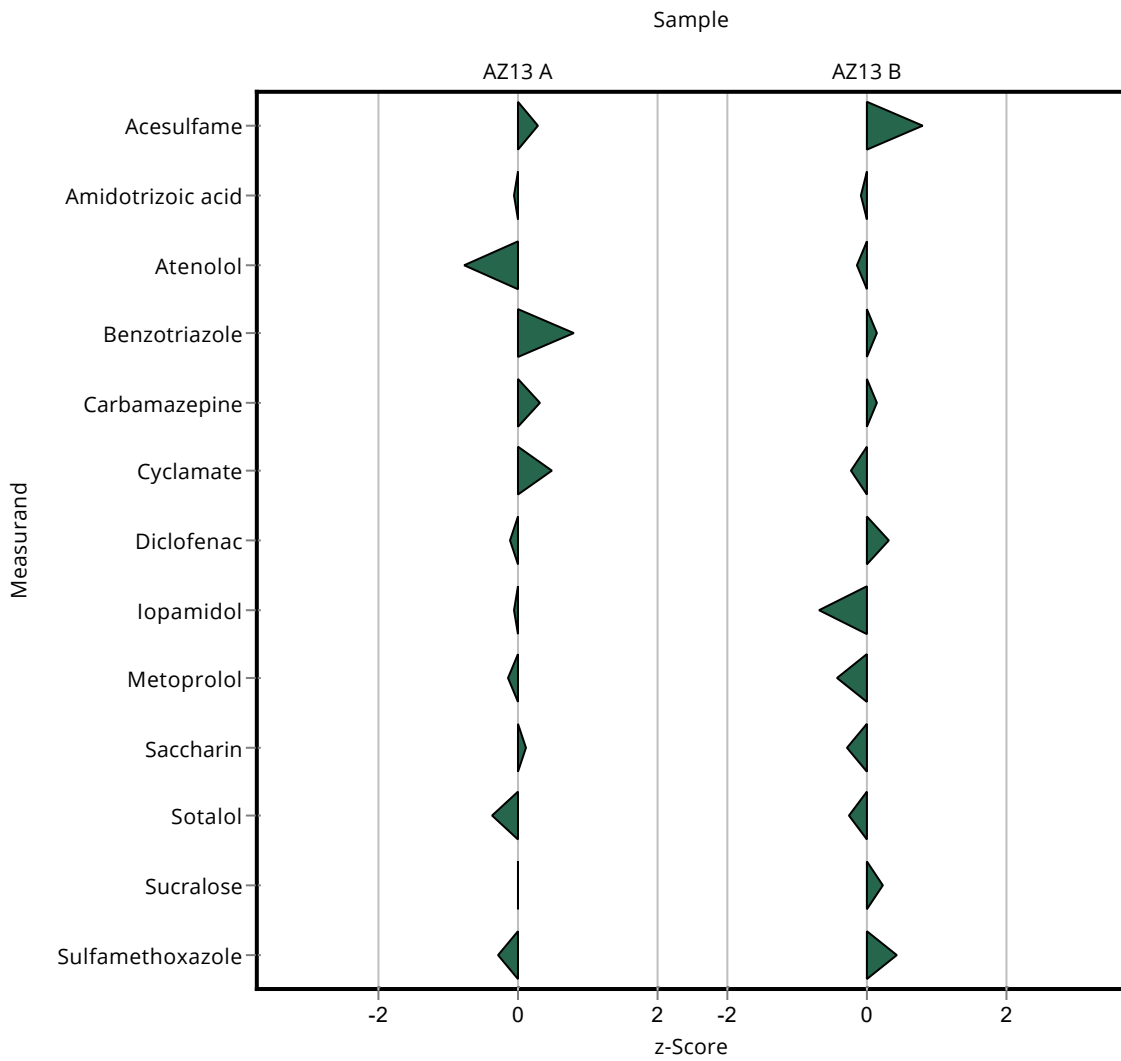
Sample: AZ13B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	$\mu\text{g/l}$	3.94 \pm 0.481	- \pm -	0.631	-	-
4-Formylaminoantipyrine	$\mu\text{g/l}$	- \pm -	- \pm -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	$\mu\text{g/l}$	0.98 \pm 0.188	- \pm -	0.235	-	-

Summary of results Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ13

Labcode: LC0011

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Acesulfame	$\mu\text{g/l}$	0.735 \pm 0.0494	0.835 \pm 0.15	0.125	114	0.80
Amidotrizoic acid	$\mu\text{g/l}$	1.36 \pm 0.108	1.34 \pm 0.241	0.272	98.4	-0.08
Atenolol	$\mu\text{g/l}$	0.248 \pm 0.0203	0.242 \pm 0.044	0.0497	97.4	-0.13
Benzotriazole	$\mu\text{g/l}$	4.8 \pm 0.293	4.88 \pm 0.878	0.624	102	0.13
Bisoprolol	$\mu\text{g/l}$	0.447 \pm 0.0529	- \pm -	0.0848	-	-
Carbamazepine	$\mu\text{g/l}$	0.366 \pm 0.0336	0.377 \pm 0.068	0.0731	103	0.15
Cyclamate	$\mu\text{g/l}$	0.338 \pm 0.0312	0.324 \pm 0.058	0.0677	95.7	-0.21
Diazepam	$\mu\text{g/l}$	- \pm -	- \pm -	-	-	-
Diclofenac	$\mu\text{g/l}$	2.76 \pm 0.161	2.887 \pm 0.52	0.387	105	0.32
Ibuprofen	$\mu\text{g/l}$	0.688 \pm 0.102	- \pm -	0.179	-	-
Iopamidol	$\mu\text{g/l}$	50 \pm 4.77	43.3 \pm 7.794	10	86.6	-0.67
Metoprolol	$\mu\text{g/l}$	0.187 \pm 0.016	0.174 \pm 0.031	0.0318	92.9	-0.42
Saccharin	$\mu\text{g/l}$	23.3 \pm 1.28	22.356 \pm 4.024	3.5	95.8	-0.28
Sotalol	$\mu\text{g/l}$	0.17 \pm 0.0154	0.16 \pm 0.029	0.0373	94.3	-0.26
Sucralose	$\mu\text{g/l}$	33.4 \pm 5.21	35.439 \pm 6.379	8.69	106	0.23
Sulfamethoxazole	$\mu\text{g/l}$	0.146 \pm 0.00868	0.153 \pm 0.028	0.0175	105	0.43



Summary of results Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ13 - En-Score

Labcode: LC0011

Sample: AZ13A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	$\mu\text{g/l}$	0.398 \pm 0.0343	- \pm -	0.0518	-	-
4-Formylaminoantipyrine	$\mu\text{g/l}$	0.184 \pm 0.0288	- \pm -	0.0386	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	$\mu\text{g/l}$	0.0947 \pm 0.0157	- \pm -	0.0189	-	-
Acesulfame	$\mu\text{g/l}$	0.317 \pm 0.0186	0.333 \pm 0.06	0.0539	105	0.13
Amidotrizoic acid	$\mu\text{g/l}$	0.22 \pm 0.0192	0.218 \pm 0.039	0.044	99	-0.03
Atenolol	$\mu\text{g/l}$	0.327 \pm 0.0367	0.276 \pm 0.05	0.0655	84.3	-0.48
Benzotriazole	$\mu\text{g/l}$	0.0794 \pm 0.00279	0.087 \pm 0.016	0.00953	110	0.24
Bisoprolol	$\mu\text{g/l}$	0.189 \pm 0.0306	- \pm -	0.0398	-	-
Carbamazepine	$\mu\text{g/l}$	0.167 \pm 0.0143	0.177 \pm 0.032	0.0301	106	0.15
Cyclamate	$\mu\text{g/l}$	0.171 \pm 0.0189	0.187 \pm 0.034	0.0342	109	0.23
Diazepam	$\mu\text{g/l}$	- \pm -	- \pm -	-	-	-
Diclofenac	$\mu\text{g/l}$	0.175 \pm 0.00654	0.172 \pm 0.031	0.0245	98.2	-0.05
Ibuprofen	$\mu\text{g/l}$	0.258 \pm 0.0363	- \pm -	0.0645	-	-
Iopamidol	$\mu\text{g/l}$	0.348 \pm 0.0479	0.343 \pm 0.062	0.087	98.5	-0.04
Metoprolol	$\mu\text{g/l}$	0.192 \pm 0.00971	0.188 \pm 0.034	0.0327	97.8	-0.06
Saccharin	$\mu\text{g/l}$	0.389 \pm 0.0585	0.401 \pm 0.072	0.101	103	0.08
Sotalol	$\mu\text{g/l}$	0.426 \pm 0.0424	0.391 \pm 0.07	0.0937	91.8	-0.24
Sucralose	$\mu\text{g/l}$	0.629 \pm 0.074	0.629 \pm 0.113	0.157	100	0.00
Sulfamethoxazole	$\mu\text{g/l}$	0.176 \pm 0.00987	0.17 \pm 0.031	0.0212	96.4	-0.10

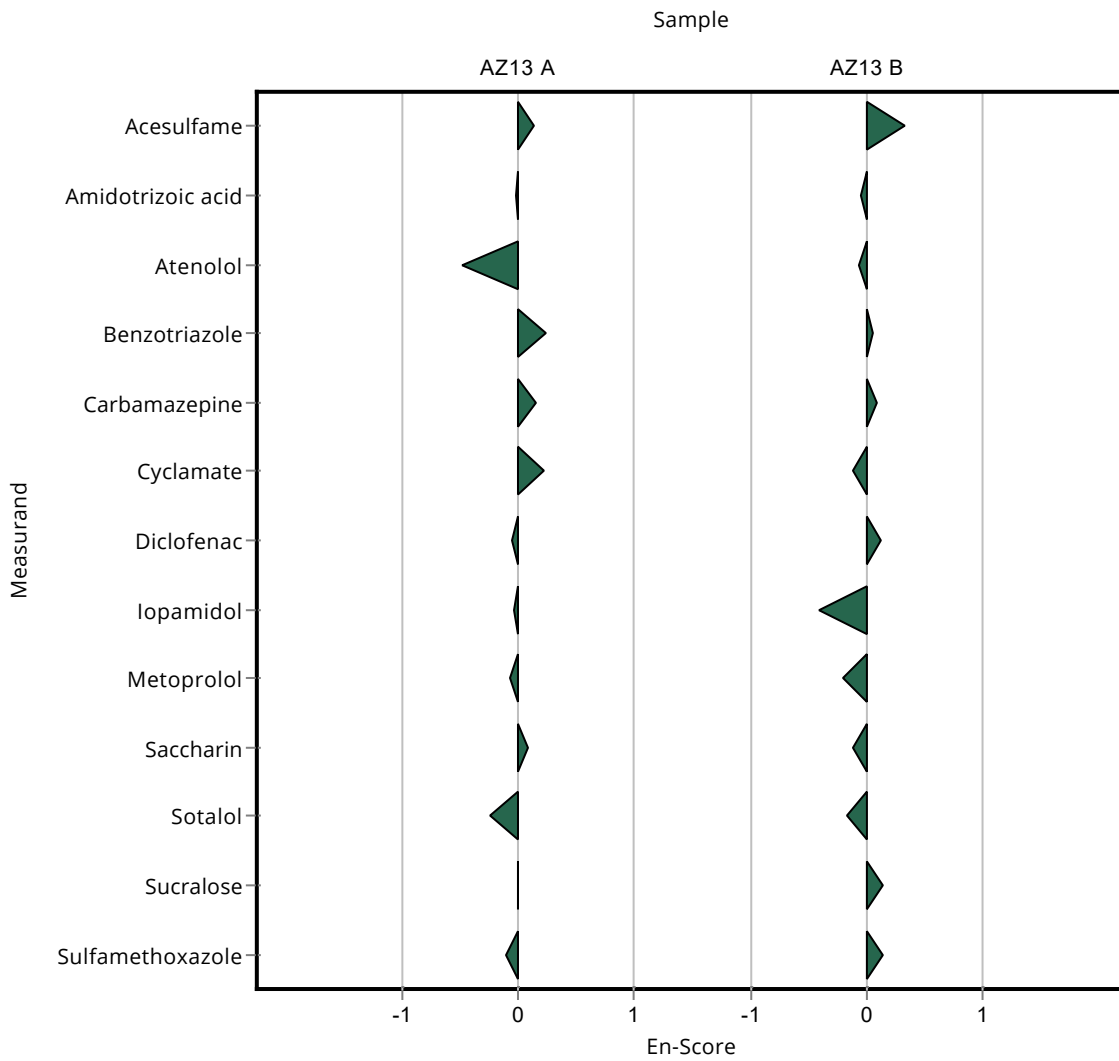
Sample: AZ13B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	$\mu\text{g/l}$	3.94 \pm 0.481	- \pm -	0.631	-	-
4-Formylaminoantipyrine	$\mu\text{g/l}$	- \pm -	- \pm -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	$\mu\text{g/l}$	0.98 \pm 0.188	- \pm -	0.235	-	-

Summary of results Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ13 - En-Score

Labcode: LC0011

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Acesulfame	$\mu\text{g/l}$	0.735 \pm 0.0494	0.835 \pm 0.15	0.125	114	0.33
Amidotrizoic acid	$\mu\text{g/l}$	1.36 \pm 0.108	1.34 \pm 0.241	0.272	98.4	-0.04
Atenolol	$\mu\text{g/l}$	0.248 \pm 0.0203	0.242 \pm 0.044	0.0497	97.4	-0.07
Benzotriazole	$\mu\text{g/l}$	4.8 \pm 0.293	4.88 \pm 0.878	0.624	102	0.05
Bisoprolol	$\mu\text{g/l}$	0.447 \pm 0.0529	- \pm -	0.0848	-	-
Carbamazepine	$\mu\text{g/l}$	0.366 \pm 0.0336	0.377 \pm 0.068	0.0731	103	0.08
Cyclamate	$\mu\text{g/l}$	0.338 \pm 0.0312	0.324 \pm 0.058	0.0677	95.7	-0.12
Diazepam	$\mu\text{g/l}$	- \pm -	- \pm -	-	-	-
Diclofenac	$\mu\text{g/l}$	2.76 \pm 0.161	2.887 \pm 0.52	0.387	105	0.12
Ibuprofen	$\mu\text{g/l}$	0.688 \pm 0.102	- \pm -	0.179	-	-
Iopamidol	$\mu\text{g/l}$	50 \pm 4.77	43.3 \pm 7.794	10	86.6	-0.41
Metoprolol	$\mu\text{g/l}$	0.187 \pm 0.016	0.174 \pm 0.031	0.0318	92.9	-0.21
Saccharin	$\mu\text{g/l}$	23.3 \pm 1.28	22.356 \pm 4.024	3.5	95.8	-0.12
Sotalol	$\mu\text{g/l}$	0.17 \pm 0.0154	0.16 \pm 0.029	0.0373	94.3	-0.16
Sucralose	$\mu\text{g/l}$	33.4 \pm 5.21	35.439 \pm 6.379	8.69	106	0.15
Sulfamethoxazole	$\mu\text{g/l}$	0.146 \pm 0.00868	0.153 \pm 0.028	0.0175	105	0.13



Summary of results Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ13

Labcode: LC0012

Sample: AZ13A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	$\mu\text{g/l}$	0.398 \pm 0.0343	0.433 \pm 0.173	0.0518	109	0.67
4-Formylaminoantipyrine	$\mu\text{g/l}$	0.184 \pm 0.0288	0.171 \pm 0.068	0.0386	93.1	-0.33
10,11-Dihydro-10,11-Dihydroxycarbamazepine	$\mu\text{g/l}$	0.0947 \pm 0.0157	0.083 \pm 0.033	0.0189	87.6	-0.62
Acesulfame	$\mu\text{g/l}$	0.317 \pm 0.0186	0.437 \pm 0.175	0.0539	138	2.22
Amidotrizoic acid	$\mu\text{g/l}$	0.22 \pm 0.0192	0.205 \pm 0.082	0.044	93.1	-0.34
Atenolol	$\mu\text{g/l}$	0.327 \pm 0.0367	0.419 \pm 0.167	0.0655	128	1.40
Benzotriazole	$\mu\text{g/l}$	0.0794 \pm 0.00279	0.119 \pm 0.047	0.00953	150	4.16
Bisoprolol	$\mu\text{g/l}$	0.189 \pm 0.0306	0.248 \pm 0.099	0.0398	131	1.47
Carbamazepine	$\mu\text{g/l}$	0.167 \pm 0.0143	0.255 \pm 0.102	0.0301	152	2.92
Cyclamate	$\mu\text{g/l}$	0.171 \pm 0.0189	- \pm -	0.0342	-	-
Diazepam	$\mu\text{g/l}$	- \pm -	- \pm -	-	-	-
Diclofenac	$\mu\text{g/l}$	0.175 \pm 0.00654	0.249 \pm 0.1	0.0245	142	3.01
Ibuprofen	$\mu\text{g/l}$	0.258 \pm 0.0363	0.399 \pm 0.159	0.0645	155	2.18
Iopamidol	$\mu\text{g/l}$	0.348 \pm 0.0479	0.41 \pm 0.164	0.087	118	0.71
Metoprolol	$\mu\text{g/l}$	0.192 \pm 0.00971	0.279 \pm 0.111	0.0327	145	2.65
Saccharin	$\mu\text{g/l}$	0.389 \pm 0.0585	- \pm -	0.101	-	-
Sotalol	$\mu\text{g/l}$	0.426 \pm 0.0424	0.584 \pm 0.233	0.0937	137	1.69
Sucralose	$\mu\text{g/l}$	0.629 \pm 0.074	0.839 \pm 0.336	0.157	133	1.34
Sulfamethoxazole	$\mu\text{g/l}$	0.176 \pm 0.00987	0.173 \pm 0.069	0.0212	98.1	-0.16

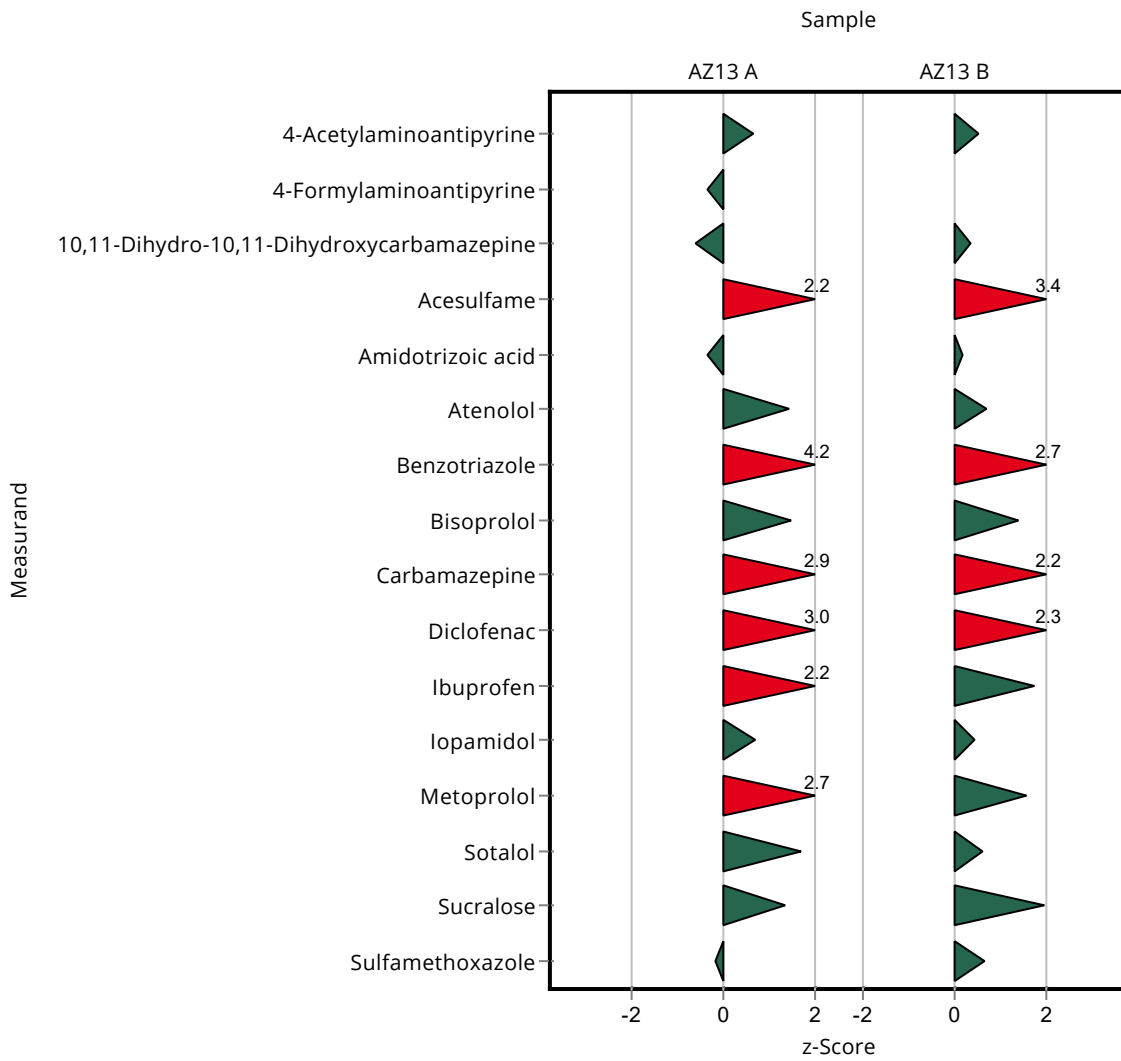
Sample: AZ13B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	$\mu\text{g/l}$	3.94 \pm 0.481	4.261 \pm 1.705	0.631	108	0.50
4-Formylaminoantipyrine	$\mu\text{g/l}$	- \pm -	7.022 \pm 2.809	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	$\mu\text{g/l}$	0.98 \pm 0.188	1.064 \pm 0.532	0.235	109	0.36

Summary of results Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ13

Labcode: LC0012

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Acesulfame	$\mu\text{g/l}$	0.735 \pm 0.0494	1.165 \pm 0.466	0.125	159	3.45
Amidotrizoic acid	$\mu\text{g/l}$	1.36 \pm 0.108	1.404 \pm 0.562	0.272	103	0.16
Atenolol	$\mu\text{g/l}$	0.248 \pm 0.0203	0.283 \pm 0.113	0.0497	114	0.70
Benzotriazole	$\mu\text{g/l}$	4.8 \pm 0.293	6.488 \pm 3.244	0.624	135	2.71
Bisoprolol	$\mu\text{g/l}$	0.447 \pm 0.0529	0.562 \pm 0.225	0.0848	126	1.36
Carbamazepine	$\mu\text{g/l}$	0.366 \pm 0.0336	0.524 \pm 0.21	0.0731	143	2.16
Cyclamate	$\mu\text{g/l}$	0.338 \pm 0.0312	- \pm -	0.0677	-	-
Diazepam	$\mu\text{g/l}$	- \pm -	- \pm -	-	-	-
Diclofenac	$\mu\text{g/l}$	2.76 \pm 0.161	3.647 \pm 1.094	0.387	132	2.29
Ibuprofen	$\mu\text{g/l}$	0.688 \pm 0.102	0.997 \pm 0.399	0.179	145	1.73
Iopamidol	$\mu\text{g/l}$	50 \pm 4.77	54.48 \pm 16.344	10	109	0.45
Metoprolol	$\mu\text{g/l}$	0.187 \pm 0.016	0.237 \pm 0.095	0.0318	127	1.56
Saccharin	$\mu\text{g/l}$	23.3 \pm 1.28	- \pm -	3.5	-	-
Sotalol	$\mu\text{g/l}$	0.17 \pm 0.0154	0.192 \pm 0.077	0.0373	113	0.60
Sucralose	$\mu\text{g/l}$	33.4 \pm 5.21	50.213 \pm 20.085	8.69	150	1.93
Sulfamethoxazole	$\mu\text{g/l}$	0.146 \pm 0.00868	0.157 \pm 0.047	0.0175	108	0.66



Summary of results Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ13 - En-Score

Labcode: LC0012

Sample: AZ13A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	$\mu\text{g/l}$	0.398 \pm 0.0343	0.433 \pm 0.173	0.0518	109	0.10
4-Formylaminoantipyrine	$\mu\text{g/l}$	0.184 \pm 0.0288	0.171 \pm 0.068	0.0386	93.1	-0.09
10,11-Dihydro-10,11-Dihydroxycarbamazepine	$\mu\text{g/l}$	0.0947 \pm 0.0157	0.083 \pm 0.033	0.0189	87.6	-0.17
Acesulfame	$\mu\text{g/l}$	0.317 \pm 0.0186	0.437 \pm 0.175	0.0539	138	0.34
Amidotrizoic acid	$\mu\text{g/l}$	0.22 \pm 0.0192	0.205 \pm 0.082	0.044	93.1	-0.09
Atenolol	$\mu\text{g/l}$	0.327 \pm 0.0367	0.419 \pm 0.167	0.0655	128	0.27
Benzotriazole	$\mu\text{g/l}$	0.0794 \pm 0.00279	0.119 \pm 0.047	0.00953	150	0.42
Bisoprolol	$\mu\text{g/l}$	0.189 \pm 0.0306	0.248 \pm 0.099	0.0398	131	0.29
Carbamazepine	$\mu\text{g/l}$	0.167 \pm 0.0143	0.255 \pm 0.102	0.0301	152	0.43
Cyclamate	$\mu\text{g/l}$	0.171 \pm 0.0189	- \pm -	0.0342	-	-
Diazepam	$\mu\text{g/l}$	- \pm -	- \pm -	-	-	-
Diclofenac	$\mu\text{g/l}$	0.175 \pm 0.00654	0.249 \pm 0.1	0.0245	142	0.37
Ibuprofen	$\mu\text{g/l}$	0.258 \pm 0.0363	0.399 \pm 0.159	0.0645	155	0.44
Iopamidol	$\mu\text{g/l}$	0.348 \pm 0.0479	0.41 \pm 0.164	0.087	118	0.19
Metoprolol	$\mu\text{g/l}$	0.192 \pm 0.00971	0.279 \pm 0.111	0.0327	145	0.39
Saccharin	$\mu\text{g/l}$	0.389 \pm 0.0585	- \pm -	0.101	-	-
Sotalol	$\mu\text{g/l}$	0.426 \pm 0.0424	0.584 \pm 0.233	0.0937	137	0.34
Sucralose	$\mu\text{g/l}$	0.629 \pm 0.074	0.839 \pm 0.336	0.157	133	0.31
Sulfamethoxazole	$\mu\text{g/l}$	0.176 \pm 0.00987	0.173 \pm 0.069	0.0212	98.1	-0.02

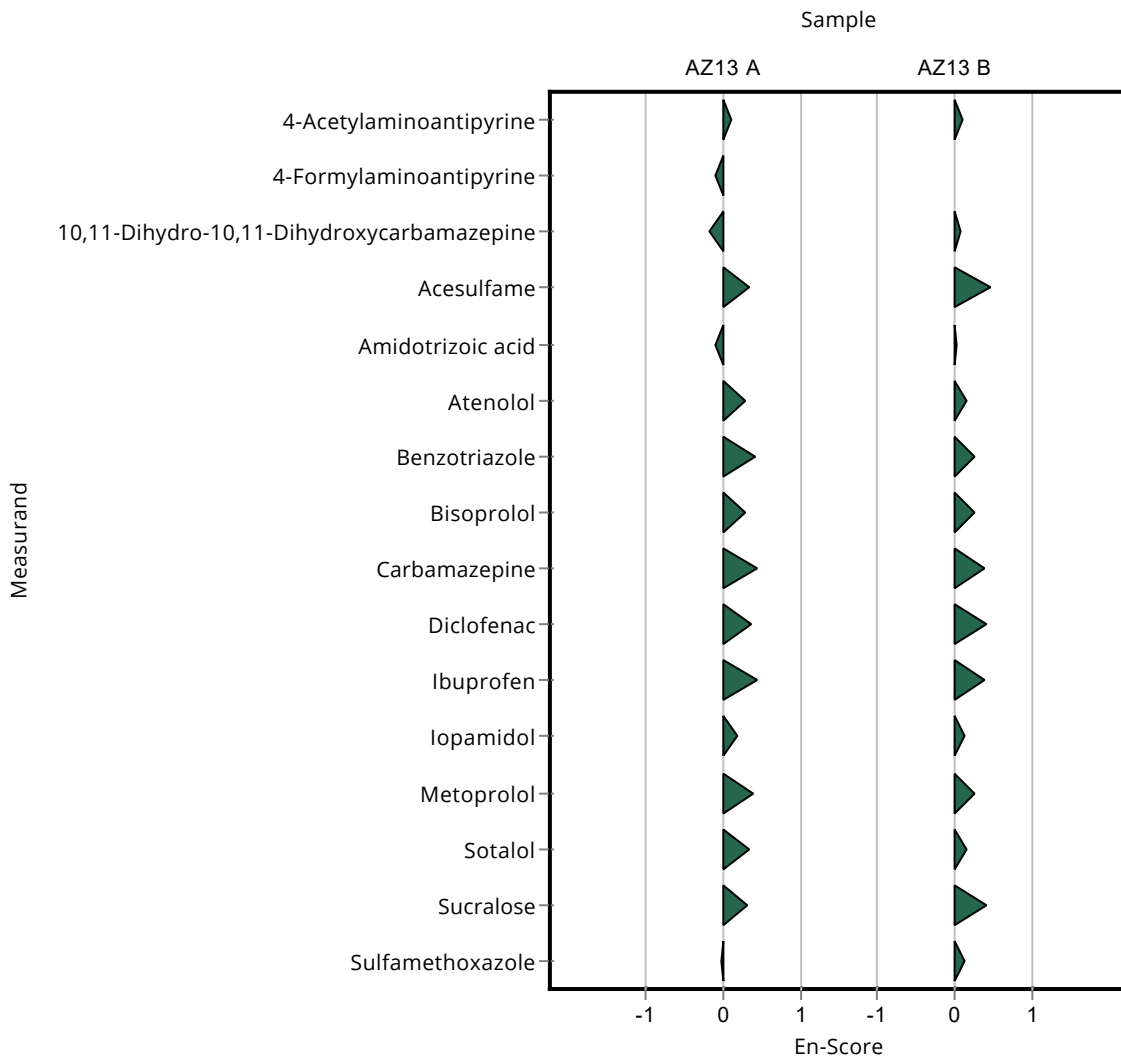
Sample: AZ13B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	$\mu\text{g/l}$	3.94 \pm 0.481	4.261 \pm 1.705	0.631	108	0.09
4-Formylaminoantipyrine	$\mu\text{g/l}$	- \pm -	7.022 \pm 2.809	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	$\mu\text{g/l}$	0.98 \pm 0.188	1.064 \pm 0.532	0.235	109	0.08

Summary of results Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ13 - En-Score

Labcode: LC0012

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Acesulfame	$\mu\text{g/l}$	0.735 \pm 0.0494	1.165 \pm 0.466	0.125	159	0.46
Amidotrizoic acid	$\mu\text{g/l}$	1.36 \pm 0.108	1.404 \pm 0.562	0.272	103	0.04
Atenolol	$\mu\text{g/l}$	0.248 \pm 0.0203	0.283 \pm 0.113	0.0497	114	0.15
Benzotriazole	$\mu\text{g/l}$	4.8 \pm 0.293	6.488 \pm 3.244	0.624	135	0.26
Bisoprolol	$\mu\text{g/l}$	0.447 \pm 0.0529	0.562 \pm 0.225	0.0848	126	0.25
Carbamazepine	$\mu\text{g/l}$	0.366 \pm 0.0336	0.524 \pm 0.21	0.0731	143	0.38
Cyclamate	$\mu\text{g/l}$	0.338 \pm 0.0312	- \pm -	0.0677	-	-
Diazepam	$\mu\text{g/l}$	- \pm -	- \pm -	-	-	-
Diclofenac	$\mu\text{g/l}$	2.76 \pm 0.161	3.647 \pm 1.094	0.387	132	0.40
Ibuprofen	$\mu\text{g/l}$	0.688 \pm 0.102	0.997 \pm 0.399	0.179	145	0.38
Iopamidol	$\mu\text{g/l}$	50 \pm 4.77	54.48 \pm 16.344	10	109	0.14
Metoprolol	$\mu\text{g/l}$	0.187 \pm 0.016	0.237 \pm 0.095	0.0318	127	0.26
Saccharin	$\mu\text{g/l}$	23.3 \pm 1.28	- \pm -	3.5	-	-
Sotalol	$\mu\text{g/l}$	0.17 \pm 0.0154	0.192 \pm 0.077	0.0373	113	0.14
Sucralose	$\mu\text{g/l}$	33.4 \pm 5.21	50.213 \pm 20.085	8.69	150	0.41
Sulfamethoxazole	$\mu\text{g/l}$	0.146 \pm 0.00868	0.157 \pm 0.047	0.0175	108	0.12



Summary of results Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ13

Labcode: LC0013

Sample: AZ13A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	$\mu\text{g/l}$	0.398 \pm 0.0343	- \pm -	0.0518	-	-
4-Formylaminoantipyrine	$\mu\text{g/l}$	0.184 \pm 0.0288	- \pm -	0.0386	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	$\mu\text{g/l}$	0.0947 \pm 0.0157	- \pm -	0.0189	-	-
Acesulfame	$\mu\text{g/l}$	0.317 \pm 0.0186	0.3028 \pm 0.103	0.0539	95.4	-0.27
Amidotrizoic acid	$\mu\text{g/l}$	0.22 \pm 0.0192	- \pm -	0.044	-	-
Atenolol	$\mu\text{g/l}$	0.327 \pm 0.0367	- \pm -	0.0655	-	-
Benzotriazole	$\mu\text{g/l}$	0.0794 \pm 0.00279	0.0857 \pm 0.018	0.00953	108	0.66
Bisoprolol	$\mu\text{g/l}$	0.189 \pm 0.0306	- \pm -	0.0398	-	-
Carbamazepine	$\mu\text{g/l}$	0.167 \pm 0.0143	0.1045 \pm 0.0272	0.0301	62.5	-2.08
Cyclamate	$\mu\text{g/l}$	0.171 \pm 0.0189	0.1511 \pm 0.0484	0.0342	88.4	-0.58
Diazepam	$\mu\text{g/l}$	- \pm -	- \pm -	-	-	-
Diclofenac	$\mu\text{g/l}$	0.175 \pm 0.00654	- \pm -	0.0245	-	-
Ibuprofen	$\mu\text{g/l}$	0.258 \pm 0.0363	- \pm -	0.0645	-	-
Iopamidol	$\mu\text{g/l}$	0.348 \pm 0.0479	- \pm -	0.087	-	-
Metoprolol	$\mu\text{g/l}$	0.192 \pm 0.00971	- \pm -	0.0327	-	-
Saccharin	$\mu\text{g/l}$	0.389 \pm 0.0585	0.6363 \pm 0.159	0.101	164	2.45
Sotalol	$\mu\text{g/l}$	0.426 \pm 0.0424	- \pm -	0.0937	-	-
Sucralose	$\mu\text{g/l}$	0.629 \pm 0.074	0.5686 \pm 0.159	0.157	90.4	-0.38
Sulfamethoxazole	$\mu\text{g/l}$	0.176 \pm 0.00987	- \pm -	0.0212	-	-

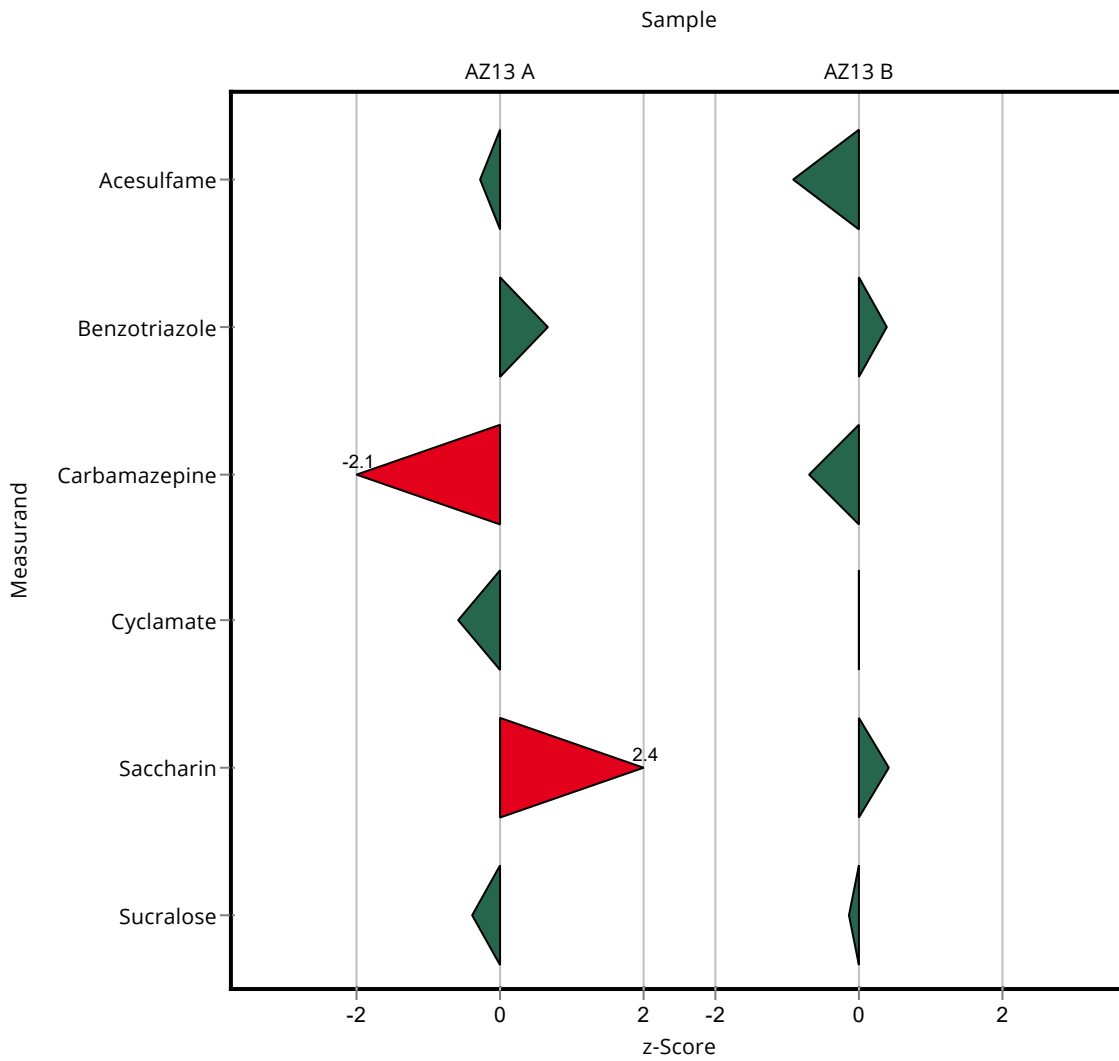
Sample: AZ13B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	$\mu\text{g/l}$	3.94 \pm 0.481	- \pm -	0.631	-	-
4-Formylaminoantipyrine	$\mu\text{g/l}$	- \pm -	- \pm -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	$\mu\text{g/l}$	0.98 \pm 0.188	- \pm -	0.235	-	-

Summary of results Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ13

Labcode: LC0013

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Acesulfame	$\mu\text{g/l}$	0.735 \pm 0.0494	0.6189 \pm 0.21	0.125	84.3	-0.93
Amidotrizoic acid	$\mu\text{g/l}$	1.36 \pm 0.108	- \pm -	0.272	-	-
Atenolol	$\mu\text{g/l}$	0.248 \pm 0.0203	- \pm -	0.0497	-	-
Benzotriazole	$\mu\text{g/l}$	4.8 \pm 0.293	5.047 \pm 1.06	0.624	105	0.40
Bisoprolol	$\mu\text{g/l}$	0.447 \pm 0.0529	- \pm -	0.0848	-	-
Carbamazepine	$\mu\text{g/l}$	0.366 \pm 0.0336	0.3143 \pm 0.0817	0.0731	85.9	-0.70
Cyclamate	$\mu\text{g/l}$	0.338 \pm 0.0312	0.3392 \pm 0.109	0.0677	100	0.01
Diazepam	$\mu\text{g/l}$	- \pm -	- \pm -	-	-	-
Diclofenac	$\mu\text{g/l}$	2.76 \pm 0.161	- \pm -	0.387	-	-
Ibuprofen	$\mu\text{g/l}$	0.688 \pm 0.102	- \pm -	0.179	-	-
Iopamidol	$\mu\text{g/l}$	50 \pm 4.77	- \pm -	10	-	-
Metoprolol	$\mu\text{g/l}$	0.187 \pm 0.016	- \pm -	0.0318	-	-
Saccharin	$\mu\text{g/l}$	23.3 \pm 1.28	24.81 \pm 6.2	3.5	106	0.42
Sotalol	$\mu\text{g/l}$	0.17 \pm 0.0154	- \pm -	0.0373	-	-
Sucralose	$\mu\text{g/l}$	33.4 \pm 5.21	32.16 \pm 9	8.69	96.2	-0.15
Sulfamethoxazole	$\mu\text{g/l}$	0.146 \pm 0.00868	- \pm -	0.0175	-	-



Summary of results Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ13 - En-Score

Labcode: LC0013

Sample: AZ13A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	$\mu\text{g/l}$	0.398 \pm 0.0343	- \pm -	0.0518	-	-
4-Formylaminoantipyrine	$\mu\text{g/l}$	0.184 \pm 0.0288	- \pm -	0.0386	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	$\mu\text{g/l}$	0.0947 \pm 0.0157	- \pm -	0.0189	-	-
Acesulfame	$\mu\text{g/l}$	0.317 \pm 0.0186	0.3028 \pm 0.103	0.0539	95.4	-0.07
Amidotrizoic acid	$\mu\text{g/l}$	0.22 \pm 0.0192	- \pm -	0.044	-	-
Atenolol	$\mu\text{g/l}$	0.327 \pm 0.0367	- \pm -	0.0655	-	-
Benzotriazole	$\mu\text{g/l}$	0.0794 \pm 0.00279	0.0857 \pm 0.018	0.00953	108	0.17
Bisoprolol	$\mu\text{g/l}$	0.189 \pm 0.0306	- \pm -	0.0398	-	-
Carbamazepine	$\mu\text{g/l}$	0.167 \pm 0.0143	0.1045 \pm 0.0272	0.0301	62.5	-1.12
Cyclamate	$\mu\text{g/l}$	0.171 \pm 0.0189	0.1511 \pm 0.0484	0.0342	88.4	-0.20
Diazepam	$\mu\text{g/l}$	- \pm -	- \pm -	-	-	-
Diclofenac	$\mu\text{g/l}$	0.175 \pm 0.00654	- \pm -	0.0245	-	-
Ibuprofen	$\mu\text{g/l}$	0.258 \pm 0.0363	- \pm -	0.0645	-	-
Iopamidol	$\mu\text{g/l}$	0.348 \pm 0.0479	- \pm -	0.087	-	-
Metoprolol	$\mu\text{g/l}$	0.192 \pm 0.00971	- \pm -	0.0327	-	-
Saccharin	$\mu\text{g/l}$	0.389 \pm 0.0585	0.6363 \pm 0.159	0.101	164	0.76
Sotalol	$\mu\text{g/l}$	0.426 \pm 0.0424	- \pm -	0.0937	-	-
Sucralose	$\mu\text{g/l}$	0.629 \pm 0.074	0.5686 \pm 0.159	0.157	90.4	-0.18
Sulfamethoxazole	$\mu\text{g/l}$	0.176 \pm 0.00987	- \pm -	0.0212	-	-

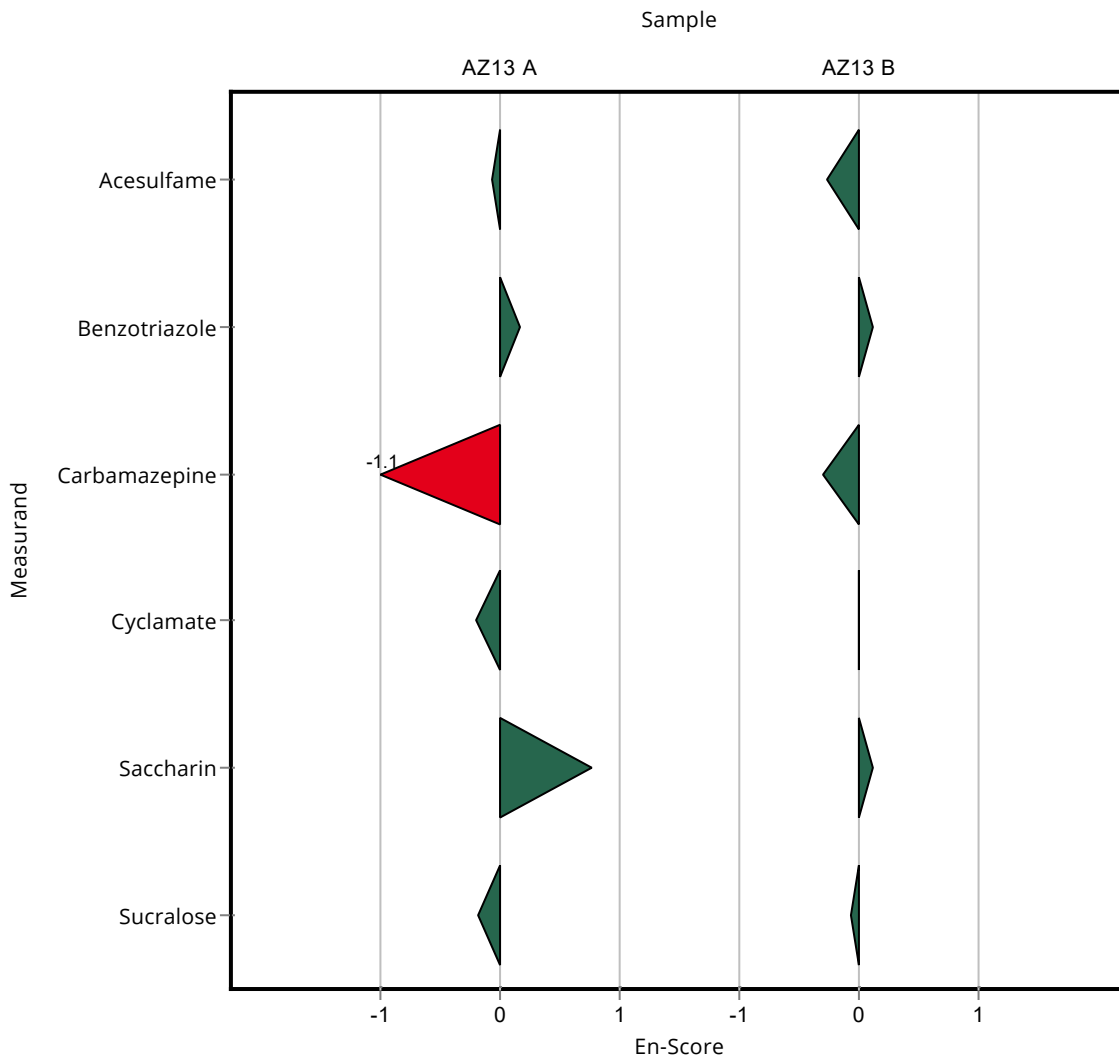
Sample: AZ13B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	$\mu\text{g/l}$	3.94 \pm 0.481	- \pm -	0.631	-	-
4-Formylaminoantipyrine	$\mu\text{g/l}$	- \pm -	- \pm -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	$\mu\text{g/l}$	0.98 \pm 0.188	- \pm -	0.235	-	-

Summary of results Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ13 - En-Score

Labcode: LC0013

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Acesulfame	$\mu\text{g/l}$	0.735 \pm 0.0494	0.6189 \pm 0.21	0.125	84.3	-0.27
Amidotrizoic acid	$\mu\text{g/l}$	1.36 \pm 0.108	- \pm -	0.272	-	-
Atenolol	$\mu\text{g/l}$	0.248 \pm 0.0203	- \pm -	0.0497	-	-
Benzotriazole	$\mu\text{g/l}$	4.8 \pm 0.293	5.047 \pm 1.06	0.624	105	0.12
Bisoprolol	$\mu\text{g/l}$	0.447 \pm 0.0529	- \pm -	0.0848	-	-
Carbamazepine	$\mu\text{g/l}$	0.366 \pm 0.0336	0.3143 \pm 0.0817	0.0731	85.9	-0.31
Cyclamate	$\mu\text{g/l}$	0.338 \pm 0.0312	0.3392 \pm 0.109	0.0677	100	0.00
Diazepam	$\mu\text{g/l}$	- \pm -	- \pm -	-	-	-
Diclofenac	$\mu\text{g/l}$	2.76 \pm 0.161	- \pm -	0.387	-	-
Ibuprofen	$\mu\text{g/l}$	0.688 \pm 0.102	- \pm -	0.179	-	-
Iopamidol	$\mu\text{g/l}$	50 \pm 4.77	- \pm -	10	-	-
Metoprolol	$\mu\text{g/l}$	0.187 \pm 0.016	- \pm -	0.0318	-	-
Saccharin	$\mu\text{g/l}$	23.3 \pm 1.28	24.81 \pm 6.2	3.5	106	0.12
Sotalol	$\mu\text{g/l}$	0.17 \pm 0.0154	- \pm -	0.0373	-	-
Sucralose	$\mu\text{g/l}$	33.4 \pm 5.21	32.16 \pm 9	8.69	96.2	-0.07
Sulfamethoxazole	$\mu\text{g/l}$	0.146 \pm 0.00868	- \pm -	0.0175	-	-



Sample: AZ13A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	$\mu\text{g/l}$	0.398 \pm 0.0343	0.368 \pm 0.0442	0.0518	92.4	-0.59
4-Formylaminoantipyrine	$\mu\text{g/l}$	0.184 \pm 0.0288	0.1632 \pm 0.0196	0.0386	88.9	-0.53
10,11-Dihydro-10,11-Dihydroxycarbamazepine	$\mu\text{g/l}$	0.0947 \pm 0.0157	0.0866 \pm 0.0338	0.0189	91.4	-0.43
Acesulfame	$\mu\text{g/l}$	0.317 \pm 0.0186	0.266 \pm 0.0266	0.0539	83.8	-0.95
Amidotrizoic acid	$\mu\text{g/l}$	0.22 \pm 0.0192	0.19 \pm 0.059	0.044	86.3	-0.68
Atenolol	$\mu\text{g/l}$	0.327 \pm 0.0367	0.286 \pm 0.0515	0.0655	87.4	-0.63
Benzotriazole	$\mu\text{g/l}$	0.0794 \pm 0.00279	0.0756 \pm 0.0242	0.00953	95.2	-0.40
Bisoprolol	$\mu\text{g/l}$	0.189 \pm 0.0306	0.165 \pm 0.0297	0.0398	87.1	-0.61
Carbamazepine	$\mu\text{g/l}$	0.167 \pm 0.0143	0.179 \pm 0.0286	0.0301	107	0.39
Cyclamate	$\mu\text{g/l}$	0.171 \pm 0.0189	0.135 \pm 0.0121	0.0342	79	-1.05
Diazepam	$\mu\text{g/l}$	- \pm -	0.124 \pm 0.0124	-	-	-
Diclofenac	$\mu\text{g/l}$	0.175 \pm 0.00654	0.168 \pm 0.0303	0.0245	95.9	-0.29
Ibuprofen	$\mu\text{g/l}$	0.258 \pm 0.0363	0.231 \pm 0.0346	0.0645	89.5	-0.42
Iopamidol	$\mu\text{g/l}$	0.348 \pm 0.0479	0.273 \pm 0.0684	0.087	78.4	-0.86
Metoprolol	$\mu\text{g/l}$	0.192 \pm 0.00971	0.184 \pm 0.024	0.0327	95.7	-0.25
Saccharin	$\mu\text{g/l}$	0.389 \pm 0.0585	0.34 \pm 0.0441	0.101	87.4	-0.48
Sotalol	$\mu\text{g/l}$	0.426 \pm 0.0424	0.376 \pm 0.0489	0.0937	88.3	-0.53
Sucralose	$\mu\text{g/l}$	0.629 \pm 0.074	0.474 \pm 0.166	0.157	75.4	-0.98
Sulfamethoxazole	$\mu\text{g/l}$	0.176 \pm 0.00987	0.189 \pm 0.0302	0.0212	107	0.60

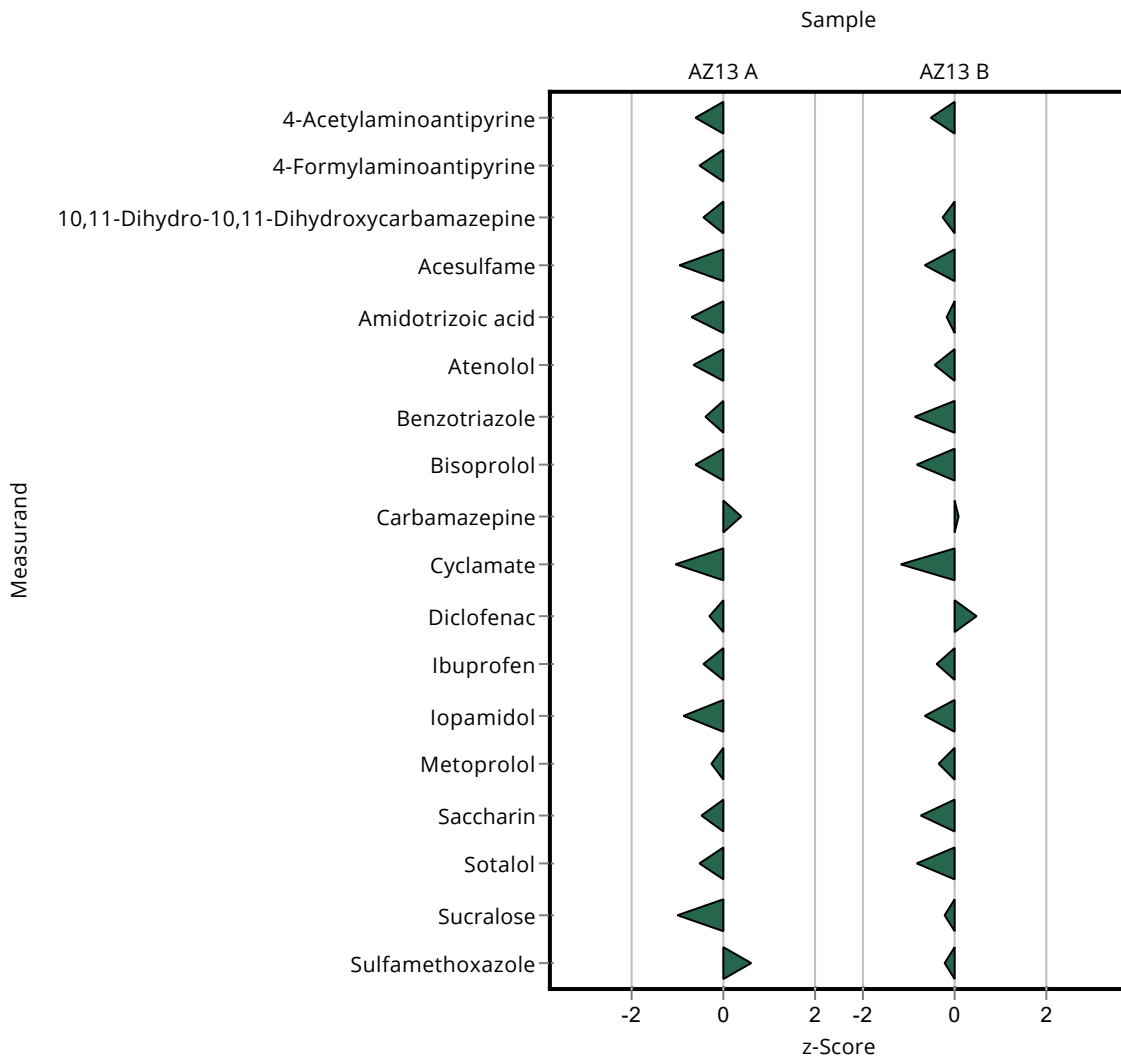
Sample: AZ13B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	$\mu\text{g/l}$	3.94 \pm 0.481	3.61 \pm 0.433	0.631	91.6	-0.53
4-Formylaminoantipyrine	$\mu\text{g/l}$	- \pm -	6.47 \pm 0.777	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	$\mu\text{g/l}$	0.98 \pm 0.188	0.92 \pm 0.359	0.235	93.9	-0.25

Summary of results Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ13

Labcode: LC0014

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Acesulfame	$\mu\text{g/l}$	0.735 \pm 0.0494	0.652 \pm 0.0652	0.125	88.8	-0.66
Amidotrizoic acid	$\mu\text{g/l}$	1.36 \pm 0.108	1.31 \pm 0.341	0.272	96.2	-0.19
Atenolol	$\mu\text{g/l}$	0.248 \pm 0.0203	0.228 \pm 0.0411	0.0497	91.8	-0.41
Benzotriazole	$\mu\text{g/l}$	4.8 \pm 0.293	4.25 \pm 1.36	0.624	88.6	-0.88
Bisoprolol	$\mu\text{g/l}$	0.447 \pm 0.0529	0.376 \pm 0.0676	0.0848	84.2	-0.83
Carbamazepine	$\mu\text{g/l}$	0.366 \pm 0.0336	0.372 \pm 0.0595	0.0731	102	0.09
Cyclamate	$\mu\text{g/l}$	0.338 \pm 0.0312	0.26 \pm 0.0417	0.0677	76.8	-1.16
Diazepam	$\mu\text{g/l}$	- \pm -	1.2 \pm 0.12	-	-	-
Diclofenac	$\mu\text{g/l}$	2.76 \pm 0.161	2.95 \pm 0.5314	0.387	107	0.49
Ibuprofen	$\mu\text{g/l}$	0.688 \pm 0.102	0.619 \pm 0.0929	0.179	90	-0.38
Iopamidol	$\mu\text{g/l}$	50 \pm 4.77	43.5 \pm 12.6	10	87	-0.65
Metoprolol	$\mu\text{g/l}$	0.187 \pm 0.016	0.176 \pm 0.023	0.0318	94	-0.35
Saccharin	$\mu\text{g/l}$	23.3 \pm 1.28	20.7 \pm 2.69	3.5	88.7	-0.75
Sotalol	$\mu\text{g/l}$	0.17 \pm 0.0154	0.139 \pm 0.0181	0.0373	81.9	-0.82
Sucralose	$\mu\text{g/l}$	33.4 \pm 5.21	31.5 \pm 11	8.69	94.2	-0.22
Sulfamethoxazole	$\mu\text{g/l}$	0.146 \pm 0.00868	0.142 \pm 0.0227	0.0175	97.6	-0.20



Sample: AZ13A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	$\mu\text{g/l}$	0.398 \pm 0.0343	0.368 \pm 0.0442	0.0518	92.4	-0.32
4-Formylaminoantipyrine	$\mu\text{g/l}$	0.184 \pm 0.0288	0.1632 \pm 0.0196	0.0386	88.9	-0.42
10,11-Dihydro-10,11-Dihydroxycarbamazepine	$\mu\text{g/l}$	0.0947 \pm 0.0157	0.0866 \pm 0.0338	0.0189	91.4	-0.12
Acesulfame	$\mu\text{g/l}$	0.317 \pm 0.0186	0.266 \pm 0.0266	0.0539	83.8	-0.91
Amidotrizoic acid	$\mu\text{g/l}$	0.22 \pm 0.0192	0.19 \pm 0.059	0.044	86.3	-0.25
Atenolol	$\mu\text{g/l}$	0.327 \pm 0.0367	0.286 \pm 0.0515	0.0655	87.4	-0.38
Benzotriazole	$\mu\text{g/l}$	0.0794 \pm 0.00279	0.0756 \pm 0.0242	0.00953	95.2	-0.08
Bisoprolol	$\mu\text{g/l}$	0.189 \pm 0.0306	0.165 \pm 0.0297	0.0398	87.1	-0.37
Carbamazepine	$\mu\text{g/l}$	0.167 \pm 0.0143	0.179 \pm 0.0286	0.0301	107	0.20
Cyclamate	$\mu\text{g/l}$	0.171 \pm 0.0189	0.135 \pm 0.0121	0.0342	79	-1.17
Diazepam	$\mu\text{g/l}$	- \pm -	0.124 \pm 0.0124	-	-	-
Diclofenac	$\mu\text{g/l}$	0.175 \pm 0.00654	0.168 \pm 0.0303	0.0245	95.9	-0.12
Ibuprofen	$\mu\text{g/l}$	0.258 \pm 0.0363	0.231 \pm 0.0346	0.0645	89.5	-0.35
Iopamidol	$\mu\text{g/l}$	0.348 \pm 0.0479	0.273 \pm 0.0684	0.087	78.4	-0.52
Metoprolol	$\mu\text{g/l}$	0.192 \pm 0.00971	0.184 \pm 0.024	0.0327	95.7	-0.17
Saccharin	$\mu\text{g/l}$	0.389 \pm 0.0585	0.34 \pm 0.0441	0.101	87.4	-0.46
Sotalol	$\mu\text{g/l}$	0.426 \pm 0.0424	0.376 \pm 0.0489	0.0937	88.3	-0.47
Sucralose	$\mu\text{g/l}$	0.629 \pm 0.074	0.474 \pm 0.166	0.157	75.4	-0.46
Sulfamethoxazole	$\mu\text{g/l}$	0.176 \pm 0.00987	0.189 \pm 0.0302	0.0212	107	0.21

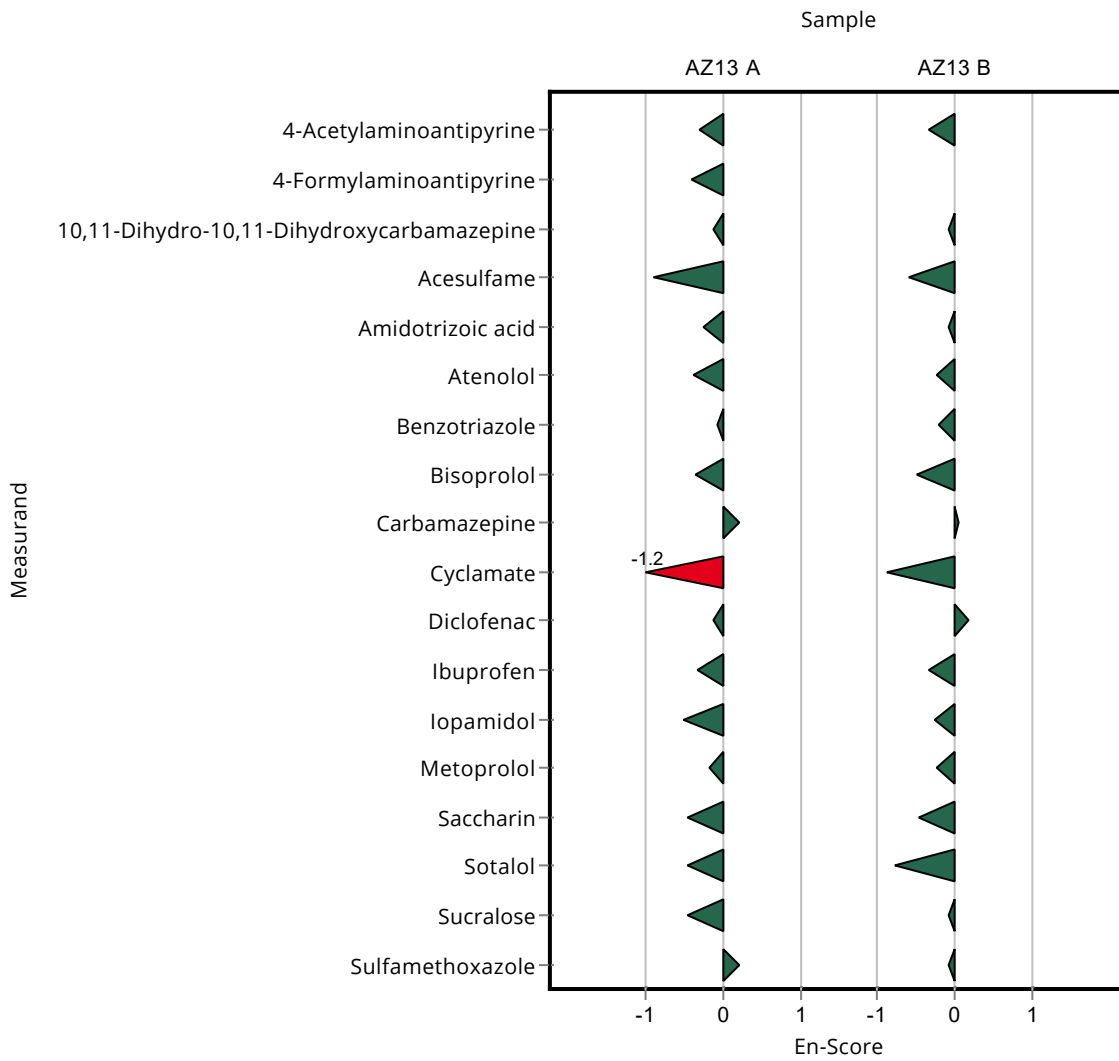
Sample: AZ13B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	$\mu\text{g/l}$	3.94 \pm 0.481	3.61 \pm 0.433	0.631	91.6	-0.34
4-Formylaminoantipyrine	$\mu\text{g/l}$	- \pm -	6.47 \pm 0.777	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	$\mu\text{g/l}$	0.98 \pm 0.188	0.92 \pm 0.359	0.235	93.9	-0.08

Summary of results Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ13 - En-Score

Labcode: LC0014

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Acesulfame	$\mu\text{g/l}$	0.735 \pm 0.0494	0.652 \pm 0.0652	0.125	88.8	-0.59
Amidotrizoic acid	$\mu\text{g/l}$	1.36 \pm 0.108	1.31 \pm 0.341	0.272	96.2	-0.07
Atenolol	$\mu\text{g/l}$	0.248 \pm 0.0203	0.228 \pm 0.0411	0.0497	91.8	-0.24
Benzotriazole	$\mu\text{g/l}$	4.8 \pm 0.293	4.25 \pm 1.36	0.624	88.6	-0.20
Bisoprolol	$\mu\text{g/l}$	0.447 \pm 0.0529	0.376 \pm 0.0676	0.0848	84.2	-0.49
Carbamazepine	$\mu\text{g/l}$	0.366 \pm 0.0336	0.372 \pm 0.0595	0.0731	102	0.05
Cyclamate	$\mu\text{g/l}$	0.338 \pm 0.0312	0.26 \pm 0.0417	0.0677	76.8	-0.88
Diazepam	$\mu\text{g/l}$	- \pm -	1.2 \pm 0.12	-	-	-
Diclofenac	$\mu\text{g/l}$	2.76 \pm 0.161	2.95 \pm 0.5314	0.387	107	0.18
Ibuprofen	$\mu\text{g/l}$	0.688 \pm 0.102	0.619 \pm 0.0929	0.179	90	-0.32
Iopamidol	$\mu\text{g/l}$	50 \pm 4.77	43.5 \pm 12.6	10	87	-0.25
Metoprolol	$\mu\text{g/l}$	0.187 \pm 0.016	0.176 \pm 0.023	0.0318	94	-0.23
Saccharin	$\mu\text{g/l}$	23.3 \pm 1.28	20.7 \pm 2.69	3.5	88.7	-0.48
Sotalol	$\mu\text{g/l}$	0.17 \pm 0.0154	0.139 \pm 0.0181	0.0373	81.9	-0.78
Sucralose	$\mu\text{g/l}$	33.4 \pm 5.21	31.5 \pm 11	8.69	94.2	-0.09
Sulfamethoxazole	$\mu\text{g/l}$	0.146 \pm 0.00868	0.142 \pm 0.0227	0.0175	97.6	-0.08



Summary of results Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ13

Labcode: LC0015

Sample: AZ13A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	$\mu\text{g/l}$	0.398 \pm 0.0343	- \pm -	0.0518	-	-
4-Formylaminoantipyrine	$\mu\text{g/l}$	0.184 \pm 0.0288	- \pm -	0.0386	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	$\mu\text{g/l}$	0.0947 \pm 0.0157	0.0915 \pm 0.0075	0.0189	96.6	-0.17
Acesulfame	$\mu\text{g/l}$	0.317 \pm 0.0186	0.3835 \pm 0.0583	0.0539	121	1.23
Amidotrizoic acid	$\mu\text{g/l}$	0.22 \pm 0.0192	0.232 \pm 0.0643	0.044	105	0.27
Atenolol	$\mu\text{g/l}$	0.327 \pm 0.0367	0.333 \pm 0.0859	0.0655	102	0.09
Benzotriazole	$\mu\text{g/l}$	0.0794 \pm 0.00279	0.0855 \pm 0.0059	0.00953	108	0.64
Bisoprolol	$\mu\text{g/l}$	0.189 \pm 0.0306	0.136 \pm 0.0095	0.0398	71.8	-1.34
Carbamazepine	$\mu\text{g/l}$	0.167 \pm 0.0143	0.171 \pm 0.0169	0.0301	102	0.13
Cyclamate	$\mu\text{g/l}$	0.171 \pm 0.0189	- \pm -	0.0342	-	-
Diazepam	$\mu\text{g/l}$	- \pm -	0.125 \pm 0.0326	-	-	-
Diclofenac	$\mu\text{g/l}$	0.175 \pm 0.00654	0.161 \pm 0.0135	0.0245	91.9	-0.58
Ibuprofen	$\mu\text{g/l}$	0.258 \pm 0.0363	0.219 \pm 0.0173	0.0645	84.9	-0.61
Iopamidol	$\mu\text{g/l}$	0.348 \pm 0.0479	0.483 \pm 0.0425	0.087	139	1.55
Metoprolol	$\mu\text{g/l}$	0.192 \pm 0.00971	0.226 \pm 0.0301	0.0327	118	1.03
Saccharin	$\mu\text{g/l}$	0.389 \pm 0.0585	- \pm -	0.101	-	-
Sotalol	$\mu\text{g/l}$	0.426 \pm 0.0424	0.482 \pm 0.0603	0.0937	113	0.60
Sucralose	$\mu\text{g/l}$	0.629 \pm 0.074	- \pm -	0.157	-	-
Sulfamethoxazole	$\mu\text{g/l}$	0.176 \pm 0.00987	0.187 \pm 0.0236	0.0212	106	0.51

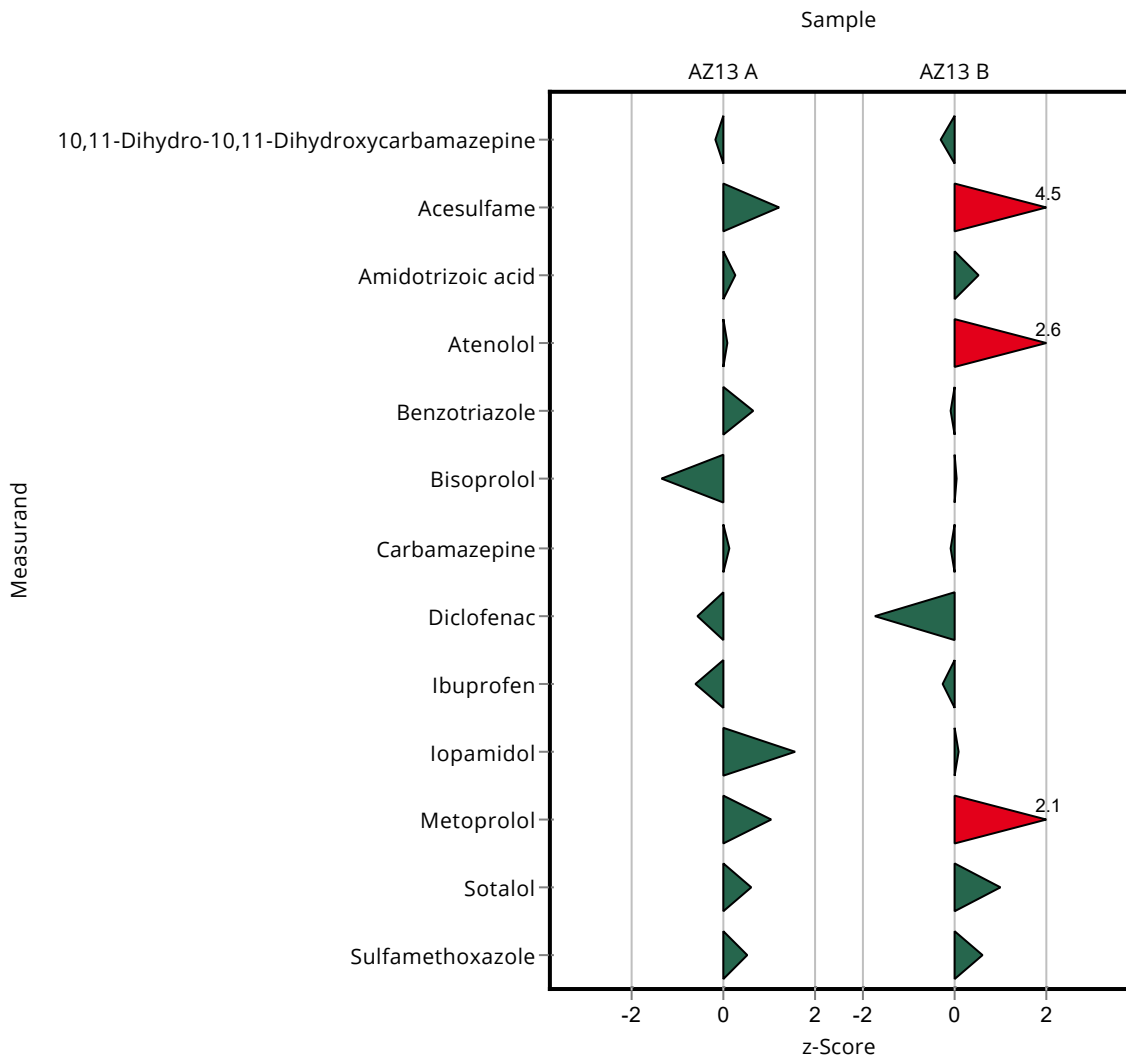
Sample: AZ13B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	$\mu\text{g/l}$	3.94 \pm 0.481	- \pm -	0.631	-	-
4-Formylaminoantipyrine	$\mu\text{g/l}$	- \pm -	- \pm -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	$\mu\text{g/l}$	0.98 \pm 0.188	0.9135 \pm 0.0749	0.235	93.3	-0.28

Summary of results Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ13

Labcode: LC0015

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Acesulfame	$\mu\text{g/l}$	0.735 \pm 0.0494	1.299 \pm 0.1974	0.125	177	4.52
Amidotrizoic acid	$\mu\text{g/l}$	1.36 \pm 0.108	1.502 \pm 0.4161	0.272	110	0.52
Atenolol	$\mu\text{g/l}$	0.248 \pm 0.0203	0.3798 \pm 0.098	0.0497	153	2.64
Benzotriazole	$\mu\text{g/l}$	4.8 \pm 0.293	4.7383 \pm 0.3269	0.624	98.8	-0.09
Bisoprolol	$\mu\text{g/l}$	0.447 \pm 0.0529	0.452 \pm 0.0316	0.0848	101	0.06
Carbamazepine	$\mu\text{g/l}$	0.366 \pm 0.0336	0.3602 \pm 0.0357	0.0731	98.5	-0.08
Cyclamate	$\mu\text{g/l}$	0.338 \pm 0.0312	- \pm -	0.0677	-	-
Diazepam	$\mu\text{g/l}$	- \pm -	1.223 \pm 0.3192	-	-	-
Diclofenac	$\mu\text{g/l}$	2.76 \pm 0.161	2.093 \pm 0.1758	0.387	75.8	-1.73
Ibuprofen	$\mu\text{g/l}$	0.688 \pm 0.102	0.64 \pm 0.0506	0.179	93	-0.27
Iopamidol	$\mu\text{g/l}$	50 \pm 4.77	50.883 \pm 4.4777	10	102	0.09
Metoprolol	$\mu\text{g/l}$	0.187 \pm 0.016	0.2538 \pm 0.0338	0.0318	136	2.09
Saccharin	$\mu\text{g/l}$	23.3 \pm 1.28	- \pm -	3.5	-	-
Sotalol	$\mu\text{g/l}$	0.17 \pm 0.0154	0.2063 \pm 0.0258	0.0373	122	0.98
Sucralose	$\mu\text{g/l}$	33.4 \pm 5.21	- \pm -	8.69	-	-
Sulfamethoxazole	$\mu\text{g/l}$	0.146 \pm 0.00868	0.156 \pm 0.0197	0.0175	107	0.60



Summary of results Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ13 - En-Score

Labcode: LC0015

Sample: AZ13A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	$\mu\text{g/l}$	0.398 \pm 0.0343	- \pm -	0.0518	-	-
4-Formylaminoantipyrine	$\mu\text{g/l}$	0.184 \pm 0.0288	- \pm -	0.0386	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	$\mu\text{g/l}$	0.0947 \pm 0.0157	0.0915 \pm 0.0075	0.0189	96.6	-0.15
Acesulfame	$\mu\text{g/l}$	0.317 \pm 0.0186	0.3835 \pm 0.0583	0.0539	121	0.56
Amidotrizoic acid	$\mu\text{g/l}$	0.22 \pm 0.0192	0.232 \pm 0.0643	0.044	105	0.09
Atenolol	$\mu\text{g/l}$	0.327 \pm 0.0367	0.333 \pm 0.0859	0.0655	102	0.03
Benzotriazole	$\mu\text{g/l}$	0.0794 \pm 0.00279	0.0855 \pm 0.0059	0.00953	108	0.50
Bisoprolol	$\mu\text{g/l}$	0.189 \pm 0.0306	0.136 \pm 0.0095	0.0398	71.8	-1.49
Carbamazepine	$\mu\text{g/l}$	0.167 \pm 0.0143	0.171 \pm 0.0169	0.0301	102	0.10
Cyclamate	$\mu\text{g/l}$	0.171 \pm 0.0189	- \pm -	0.0342	-	-
Diazepam	$\mu\text{g/l}$	- \pm -	0.125 \pm 0.0326	-	-	-
Diclofenac	$\mu\text{g/l}$	0.175 \pm 0.00654	0.161 \pm 0.0135	0.0245	91.9	-0.51
Ibuprofen	$\mu\text{g/l}$	0.258 \pm 0.0363	0.219 \pm 0.0173	0.0645	84.9	-0.78
Iopamidol	$\mu\text{g/l}$	0.348 \pm 0.0479	0.483 \pm 0.0425	0.087	139	1.38
Metoprolol	$\mu\text{g/l}$	0.192 \pm 0.00971	0.226 \pm 0.0301	0.0327	118	0.55
Saccharin	$\mu\text{g/l}$	0.389 \pm 0.0585	- \pm -	0.101	-	-
Sotalol	$\mu\text{g/l}$	0.426 \pm 0.0424	0.482 \pm 0.0603	0.0937	113	0.44
Sucralose	$\mu\text{g/l}$	0.629 \pm 0.074	- \pm -	0.157	-	-
Sulfamethoxazole	$\mu\text{g/l}$	0.176 \pm 0.00987	0.187 \pm 0.0236	0.0212	106	0.22

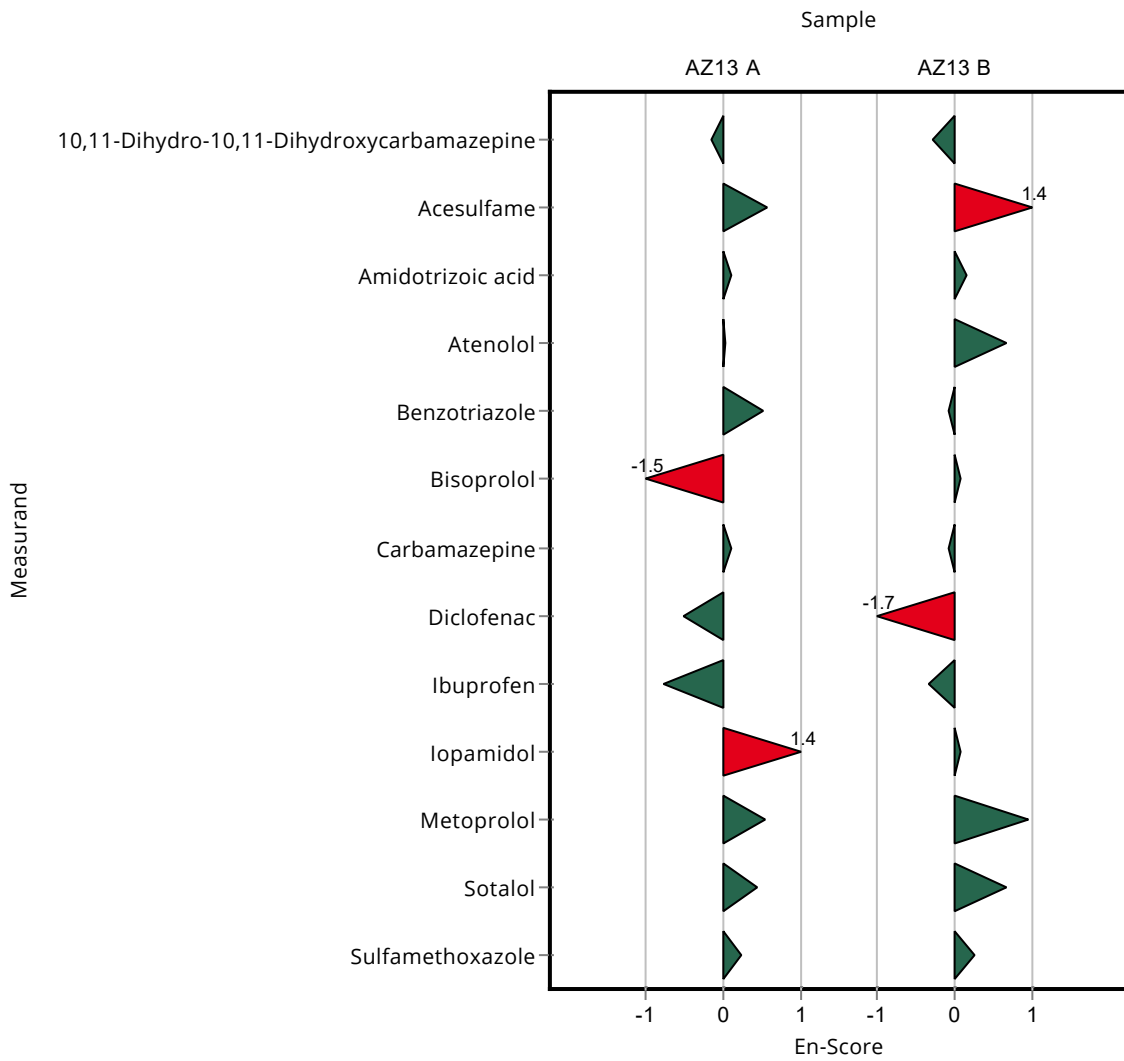
Sample: AZ13B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	$\mu\text{g/l}$	3.94 \pm 0.481	- \pm -	0.631	-	-
4-Formylaminoantipyrine	$\mu\text{g/l}$	- \pm -	- \pm -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	$\mu\text{g/l}$	0.98 \pm 0.188	0.9135 \pm 0.0749	0.235	93.3	-0.27

Summary of results Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ13 - En-Score

Labcode: LC0015

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Acesulfame	$\mu\text{g/l}$	0.735 \pm 0.0494	1.299 \pm 0.1974	0.125	177	1.42
Amidotrizoic acid	$\mu\text{g/l}$	1.36 \pm 0.108	1.502 \pm 0.4161	0.272	110	0.17
Atenolol	$\mu\text{g/l}$	0.248 \pm 0.0203	0.3798 \pm 0.098	0.0497	153	0.67
Benzotriazole	$\mu\text{g/l}$	4.8 \pm 0.293	4.7383 \pm 0.3269	0.624	98.8	-0.08
Bisoprolol	$\mu\text{g/l}$	0.447 \pm 0.0529	0.452 \pm 0.0316	0.0848	101	0.07
Carbamazepine	$\mu\text{g/l}$	0.366 \pm 0.0336	0.3602 \pm 0.0357	0.0731	98.5	-0.07
Cyclamate	$\mu\text{g/l}$	0.338 \pm 0.0312	- \pm -	0.0677	-	-
Diazepam	$\mu\text{g/l}$	- \pm -	1.223 \pm 0.3192	-	-	-
Diclofenac	$\mu\text{g/l}$	2.76 \pm 0.161	2.093 \pm 0.1758	0.387	75.8	-1.73
Ibuprofen	$\mu\text{g/l}$	0.688 \pm 0.102	0.64 \pm 0.0506	0.179	93	-0.33
Iopamidol	$\mu\text{g/l}$	50 \pm 4.77	50.883 \pm 4.4777	10	102	0.09
Metoprolol	$\mu\text{g/l}$	0.187 \pm 0.016	0.2538 \pm 0.0338	0.0318	136	0.96
Saccharin	$\mu\text{g/l}$	23.3 \pm 1.28	- \pm -	3.5	-	-
Sotalol	$\mu\text{g/l}$	0.17 \pm 0.0154	0.2063 \pm 0.0258	0.0373	122	0.68
Sucralose	$\mu\text{g/l}$	33.4 \pm 5.21	- \pm -	8.69	-	-
Sulfamethoxazole	$\mu\text{g/l}$	0.146 \pm 0.00868	0.156 \pm 0.0197	0.0175	107	0.26



Summary of results Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ13

Labcode: LC0016

Sample: AZ13A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	$\mu\text{g/l}$	0.398 \pm 0.0343	0.411 \pm 0.0203	0.0518	103	0.24
4-Formylaminoantipyrine	$\mu\text{g/l}$	0.184 \pm 0.0288	0.223 \pm 0.0113	0.0386	121	1.02
10,11-Dihydro-10,11-Dihydroxycarbamazepine	$\mu\text{g/l}$	0.0947 \pm 0.0157	- \pm -	0.0189	-	-
Acesulfame	$\mu\text{g/l}$	0.317 \pm 0.0186	0.323 \pm 0.0222	0.0539	102	0.11
Amidotrizoic acid	$\mu\text{g/l}$	0.22 \pm 0.0192	- \pm -	0.044	-	-
Atenolol	$\mu\text{g/l}$	0.327 \pm 0.0367	0.29 \pm 0.0188	0.0655	88.6	-0.57
Benzotriazole	$\mu\text{g/l}$	0.0794 \pm 0.00279	0.0759 \pm 0.00352	0.00953	95.6	-0.37
Bisoprolol	$\mu\text{g/l}$	0.189 \pm 0.0306	0.217 \pm 0.0163	0.0398	115	0.69
Carbamazepine	$\mu\text{g/l}$	0.167 \pm 0.0143	0.187 \pm 0.00974	0.0301	112	0.66
Cyclamate	$\mu\text{g/l}$	0.171 \pm 0.0189	0.161 \pm 0.0189	0.0342	94.2	-0.29
Diazepam	$\mu\text{g/l}$	- \pm -	- \pm -	-	-	-
Diclofenac	$\mu\text{g/l}$	0.175 \pm 0.00654	0.177 \pm 0.0149	0.0245	101	0.08
Ibuprofen	$\mu\text{g/l}$	0.258 \pm 0.0363	0.252 \pm 0.0538	0.0645	97.6	-0.09
Iopamidol	$\mu\text{g/l}$	0.348 \pm 0.0479	0.451 \pm 0.0472	0.087	130	1.18
Metoprolol	$\mu\text{g/l}$	0.192 \pm 0.00971	0.203 \pm 0.00796	0.0327	106	0.33
Saccharin	$\mu\text{g/l}$	0.389 \pm 0.0585	0.389 \pm 0.0389	0.101	100	0.00
Sotalol	$\mu\text{g/l}$	0.426 \pm 0.0424	0.374 \pm 0.0243	0.0937	87.8	-0.55
Sucralose	$\mu\text{g/l}$	0.629 \pm 0.074	- \pm -	0.157	-	-
Sulfamethoxazole	$\mu\text{g/l}$	0.176 \pm 0.00987	0.201 \pm 0.0126	0.0212	114	1.17

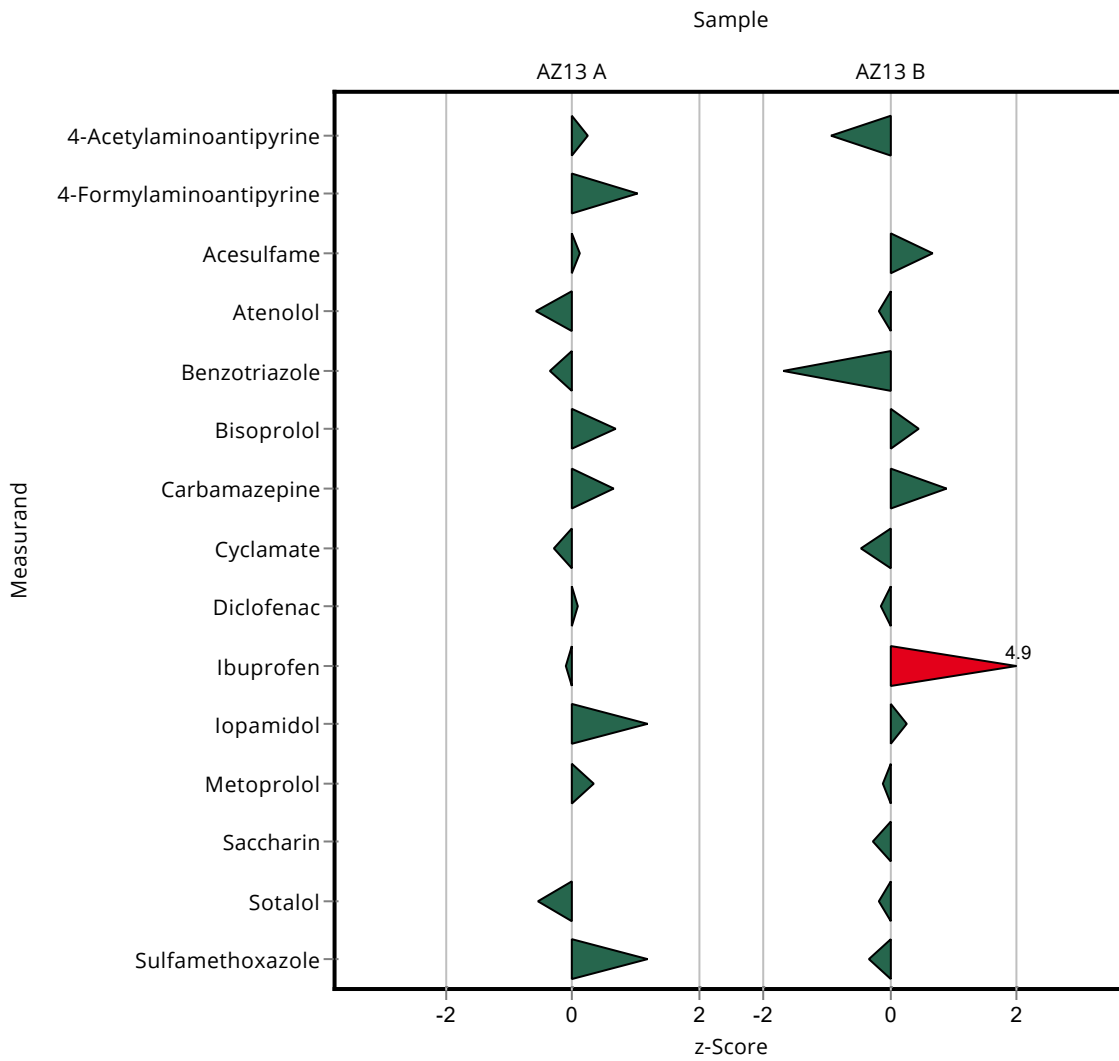
Sample: AZ13B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	$\mu\text{g/l}$	3.94 \pm 0.481	3.35 \pm 0.165	0.631	85	-0.94
4-Formylaminoantipyrine	$\mu\text{g/l}$	- \pm -	6.89 \pm 0.35	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	$\mu\text{g/l}$	0.98 \pm 0.188	- \pm -	0.235	-	-

Summary of results Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ13

Labcode: LC0016

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Acesulfame	$\mu\text{g/l}$	0.735 \pm 0.0494	0.819 \pm 0.0564	0.125	111	0.68
Amidotrizoic acid	$\mu\text{g/l}$	1.36 \pm 0.108	- \pm -	0.272	-	-
Atenolol	$\mu\text{g/l}$	0.248 \pm 0.0203	0.24 \pm 0.0156	0.0497	96.6	-0.17
Benzotriazole	$\mu\text{g/l}$	4.8 \pm 0.293	3.75 \pm 0.174	0.624	78.2	-1.68
Bisoprolol	$\mu\text{g/l}$	0.447 \pm 0.0529	0.486 \pm 0.0365	0.0848	109	0.47
Carbamazepine	$\mu\text{g/l}$	0.366 \pm 0.0336	0.43 \pm 0.0224	0.0731	118	0.88
Cyclamate	$\mu\text{g/l}$	0.338 \pm 0.0312	0.307 \pm 0.044	0.0677	90.7	-0.46
Diazepam	$\mu\text{g/l}$	- \pm -	- \pm -	-	-	-
Diclofenac	$\mu\text{g/l}$	2.76 \pm 0.161	2.71 \pm 0.229	0.387	98.1	-0.13
Ibuprofen	$\mu\text{g/l}$	0.688 \pm 0.102	1.56 \pm 0.333	0.179	227	4.88
Iopamidol	$\mu\text{g/l}$	50 \pm 4.77	52.7 \pm 5.51	10	105	0.27
Metoprolol	$\mu\text{g/l}$	0.187 \pm 0.016	0.184 \pm 0.00723	0.0318	98.3	-0.10
Saccharin	$\mu\text{g/l}$	23.3 \pm 1.28	22.4 \pm 2.24	3.5	96	-0.27
Sotalol	$\mu\text{g/l}$	0.17 \pm 0.0154	0.163 \pm 0.0106	0.0373	96	-0.18
Sucralose	$\mu\text{g/l}$	33.4 \pm 5.21	- \pm -	8.69	-	-
Sulfamethoxazole	$\mu\text{g/l}$	0.146 \pm 0.00868	0.14 \pm 0.00879	0.0175	96.2	-0.32



Sample: AZ13A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	$\mu\text{g/l}$	0.398 \pm 0.0343	0.411 \pm 0.0203	0.0518	103	0.24
4-Formylaminoantipyrine	$\mu\text{g/l}$	0.184 \pm 0.0288	0.223 \pm 0.0113	0.0386	121	1.08
10,11-Dihydro-10,11-Dihydroxycarbamazepine	$\mu\text{g/l}$	0.0947 \pm 0.0157	- \pm -	0.0189	-	-
Acesulfame	$\mu\text{g/l}$	0.317 \pm 0.0186	0.323 \pm 0.0222	0.0539	102	0.12
Amidotrizoic acid	$\mu\text{g/l}$	0.22 \pm 0.0192	- \pm -	0.044	-	-
Atenolol	$\mu\text{g/l}$	0.327 \pm 0.0367	0.29 \pm 0.0188	0.0655	88.6	-0.71
Benzotriazole	$\mu\text{g/l}$	0.0794 \pm 0.00279	0.0759 \pm 0.00352	0.00953	95.6	-0.46
Bisoprolol	$\mu\text{g/l}$	0.189 \pm 0.0306	0.217 \pm 0.0163	0.0398	115	0.62
Carbamazepine	$\mu\text{g/l}$	0.167 \pm 0.0143	0.187 \pm 0.00974	0.0301	112	0.82
Cyclamate	$\mu\text{g/l}$	0.171 \pm 0.0189	0.161 \pm 0.0189	0.0342	94.2	-0.23
Diazepam	$\mu\text{g/l}$	- \pm -	- \pm -	-	-	-
Diclofenac	$\mu\text{g/l}$	0.175 \pm 0.00654	0.177 \pm 0.0149	0.0245	101	0.06
Ibuprofen	$\mu\text{g/l}$	0.258 \pm 0.0363	0.252 \pm 0.0538	0.0645	97.6	-0.05
Iopamidol	$\mu\text{g/l}$	0.348 \pm 0.0479	0.451 \pm 0.0472	0.087	130	0.97
Metoprolol	$\mu\text{g/l}$	0.192 \pm 0.00971	0.203 \pm 0.00796	0.0327	106	0.57
Saccharin	$\mu\text{g/l}$	0.389 \pm 0.0585	0.389 \pm 0.0389	0.101	100	0.00
Sotalol	$\mu\text{g/l}$	0.426 \pm 0.0424	0.374 \pm 0.0243	0.0937	87.8	-0.80
Sucralose	$\mu\text{g/l}$	0.629 \pm 0.074	- \pm -	0.157	-	-
Sulfamethoxazole	$\mu\text{g/l}$	0.176 \pm 0.00987	0.201 \pm 0.0126	0.0212	114	0.91

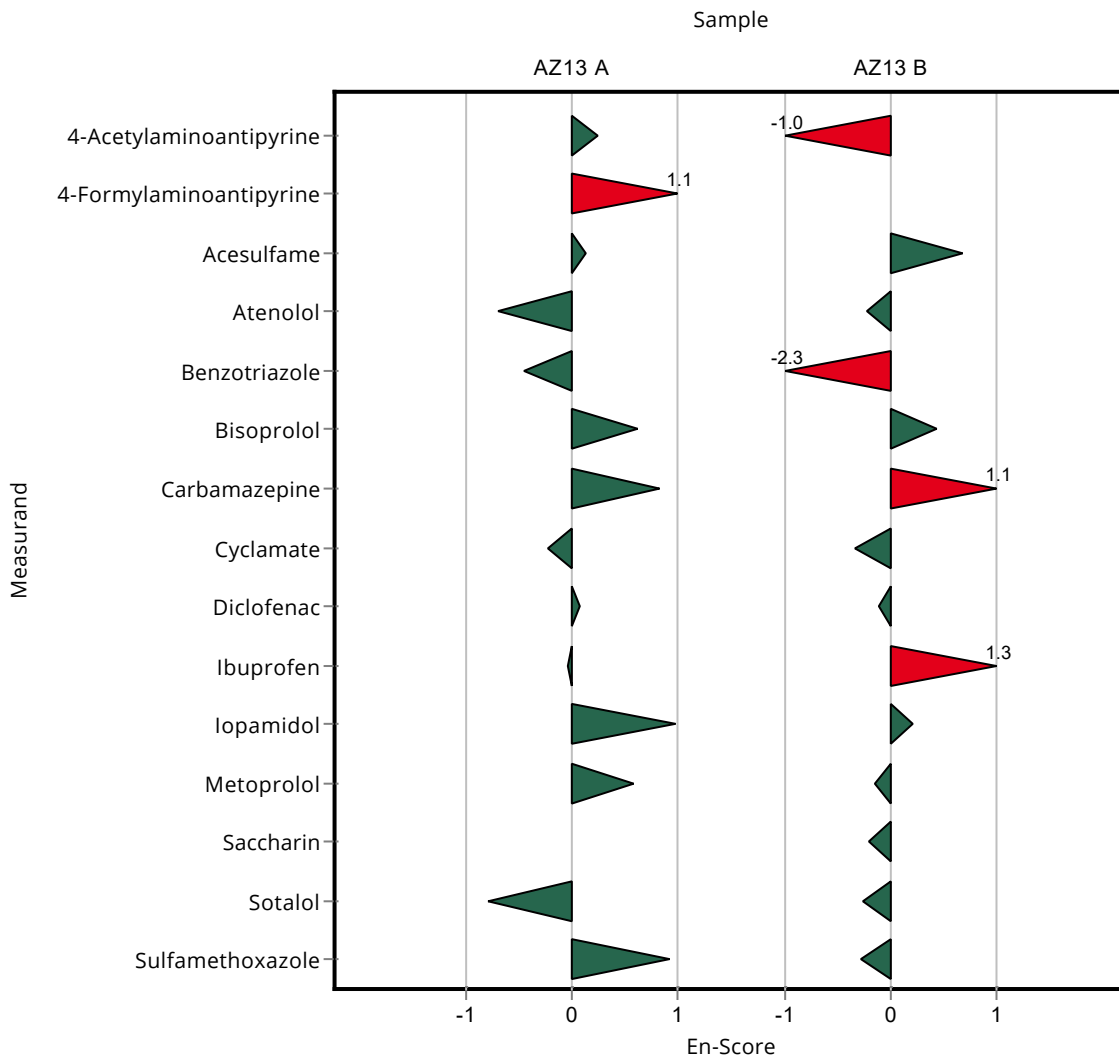
Sample: AZ13B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	$\mu\text{g/l}$	3.94 \pm 0.481	3.35 \pm 0.165	0.631	85	-1.02
4-Formylaminoantipyrine	$\mu\text{g/l}$	- \pm -	6.89 \pm 0.35	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	$\mu\text{g/l}$	0.98 \pm 0.188	- \pm -	0.235	-	-

Summary of results Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ13 - En-Score

Labcode: LC0016

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Acesulfame	$\mu\text{g/l}$	0.735 \pm 0.0494	0.819 \pm 0.0564	0.125	111	0.69
Amidotrizoic acid	$\mu\text{g/l}$	1.36 \pm 0.108	- \pm -	0.272	-	-
Atenolol	$\mu\text{g/l}$	0.248 \pm 0.0203	0.24 \pm 0.0156	0.0497	96.6	-0.23
Benzotriazole	$\mu\text{g/l}$	4.8 \pm 0.293	3.75 \pm 0.174	0.624	78.2	-2.30
Bisoprolol	$\mu\text{g/l}$	0.447 \pm 0.0529	0.486 \pm 0.0365	0.0848	109	0.44
Carbamazepine	$\mu\text{g/l}$	0.366 \pm 0.0336	0.43 \pm 0.0224	0.0731	118	1.15
Cyclamate	$\mu\text{g/l}$	0.338 \pm 0.0312	0.307 \pm 0.044	0.0677	90.7	-0.34
Diazepam	$\mu\text{g/l}$	- \pm -	- \pm -	-	-	-
Diclofenac	$\mu\text{g/l}$	2.76 \pm 0.161	2.71 \pm 0.229	0.387	98.1	-0.11
Ibuprofen	$\mu\text{g/l}$	0.688 \pm 0.102	1.56 \pm 0.333	0.179	227	1.29
Iopamidol	$\mu\text{g/l}$	50 \pm 4.77	52.7 \pm 5.51	10	105	0.22
Metoprolol	$\mu\text{g/l}$	0.187 \pm 0.016	0.184 \pm 0.00723	0.0318	98.3	-0.15
Saccharin	$\mu\text{g/l}$	23.3 \pm 1.28	22.4 \pm 2.24	3.5	96	-0.20
Sotalol	$\mu\text{g/l}$	0.17 \pm 0.0154	0.163 \pm 0.0106	0.0373	96	-0.26
Sucralose	$\mu\text{g/l}$	33.4 \pm 5.21	- \pm -	8.69	-	-
Sulfamethoxazole	$\mu\text{g/l}$	0.146 \pm 0.00868	0.14 \pm 0.00879	0.0175	96.2	-0.28



Summary of results Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ13

Labcode: LC0017

Sample: AZ13A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	$\mu\text{g/l}$	0.398 \pm 0.0343	- \pm -	0.0518	-	-
4-Formylaminoantipyrine	$\mu\text{g/l}$	0.184 \pm 0.0288	- \pm -	0.0386	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	$\mu\text{g/l}$	0.0947 \pm 0.0157	- \pm -	0.0189	-	-
Acesulfame	$\mu\text{g/l}$	0.317 \pm 0.0186	0.459 \pm 0.138	0.0539	145	2.63
Amidotrizoic acid	$\mu\text{g/l}$	0.22 \pm 0.0192	0.22 \pm 0.139	0.044	100	0.00
Atenolol	$\mu\text{g/l}$	0.327 \pm 0.0367	- \pm -	0.0655	-	-
Benzotriazole	$\mu\text{g/l}$	0.0794 \pm 0.00279	0.085 \pm 0.026	0.00953	107	0.59
Bisoprolol	$\mu\text{g/l}$	0.189 \pm 0.0306	- \pm -	0.0398	-	-
Carbamazepine	$\mu\text{g/l}$	0.167 \pm 0.0143	0.169 \pm 0.056	0.0301	101	0.06
Cyclamate	$\mu\text{g/l}$	0.171 \pm 0.0189	0.217 \pm 0.065	0.0342	127	1.35
Diazepam	$\mu\text{g/l}$	- \pm -	- \pm -	-	-	-
Diclofenac	$\mu\text{g/l}$	0.175 \pm 0.00654	0.179 \pm 0.075	0.0245	102	0.16
Ibuprofen	$\mu\text{g/l}$	0.258 \pm 0.0363	0.237 \pm 0.083	0.0645	91.8	-0.33
Iopamidol	$\mu\text{g/l}$	0.348 \pm 0.0479	0.368 \pm 0.147	0.087	106	0.23
Metoprolol	$\mu\text{g/l}$	0.192 \pm 0.00971	- \pm -	0.0327	-	-
Saccharin	$\mu\text{g/l}$	0.389 \pm 0.0585	0.464 \pm 0.139	0.101	119	0.74
Sotalol	$\mu\text{g/l}$	0.426 \pm 0.0424	- \pm -	0.0937	-	-
Sucralose	$\mu\text{g/l}$	0.629 \pm 0.074	0.536 \pm 0.16	0.157	85.2	-0.59
Sulfamethoxazole	$\mu\text{g/l}$	0.176 \pm 0.00987	0.177 \pm 0.035	0.0212	100	0.03

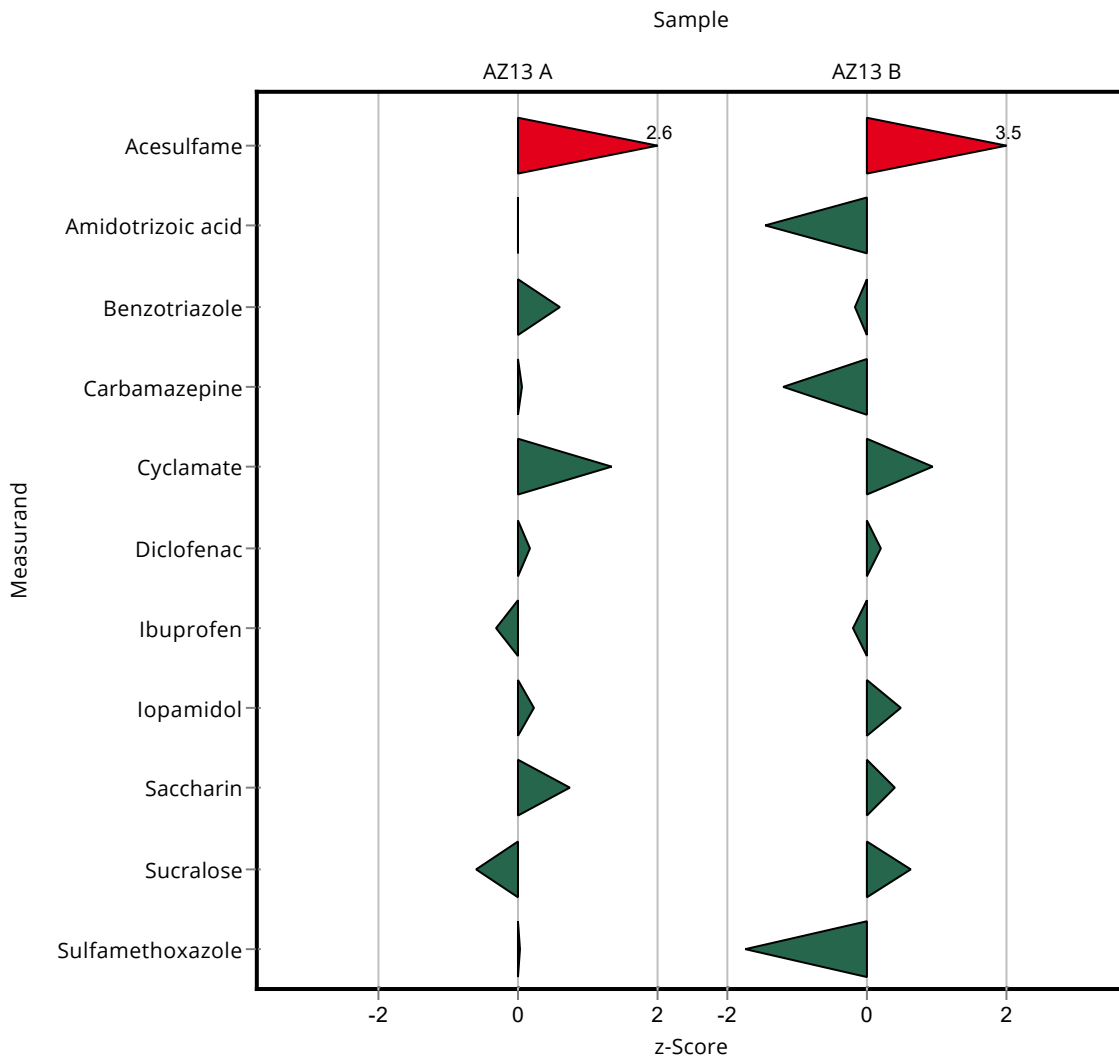
Sample: AZ13B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	$\mu\text{g/l}$	3.94 \pm 0.481	- \pm -	0.631	-	-
4-Formylaminoantipyrine	$\mu\text{g/l}$	- \pm -	- \pm -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	$\mu\text{g/l}$	0.98 \pm 0.188	- \pm -	0.235	-	-

Summary of results Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ13

Labcode: LC0017

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Acesulfame	$\mu\text{g/l}$	0.735 \pm 0.0494	1.17 \pm 0.35	0.125	159	3.49
Amidotrizoic acid	$\mu\text{g/l}$	1.36 \pm 0.108	0.964 \pm 0.61	0.272	70.8	-1.46
Atenolol	$\mu\text{g/l}$	0.248 \pm 0.0203	- \pm -	0.0497	-	-
Benzotriazole	$\mu\text{g/l}$	4.8 \pm 0.293	4.69 \pm 1.41	0.624	97.8	-0.17
Bisoprolol	$\mu\text{g/l}$	0.447 \pm 0.0529	- \pm -	0.0848	-	-
Carbamazepine	$\mu\text{g/l}$	0.366 \pm 0.0336	0.279 \pm 0.092	0.0731	76.3	-1.19
Cyclamate	$\mu\text{g/l}$	0.338 \pm 0.0312	0.402 \pm 0.121	0.0677	119	0.94
Diazepam	$\mu\text{g/l}$	- \pm -	- \pm -	-	-	-
Diclofenac	$\mu\text{g/l}$	2.76 \pm 0.161	2.84 \pm 1.19	0.387	103	0.20
Ibuprofen	$\mu\text{g/l}$	0.688 \pm 0.102	0.651 \pm 0.228	0.179	94.6	-0.21
Iopamidol	$\mu\text{g/l}$	50 \pm 4.77	54.9 \pm 22	10	110	0.49
Metoprolol	$\mu\text{g/l}$	0.187 \pm 0.016	- \pm -	0.0318	-	-
Saccharin	$\mu\text{g/l}$	23.3 \pm 1.28	24.7 \pm 7.4	3.5	106	0.39
Sotalol	$\mu\text{g/l}$	0.17 \pm 0.0154	- \pm -	0.0373	-	-
Sucralose	$\mu\text{g/l}$	33.4 \pm 5.21	39 \pm 11.7	8.69	117	0.64
Sulfamethoxazole	$\mu\text{g/l}$	0.146 \pm 0.00868	0.115 \pm 0.023	0.0175	79	-1.75



Summary of results Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ13 - En-Score

Labcode: LC0017

Sample: AZ13A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	$\mu\text{g/l}$	0.398 \pm 0.0343	- \pm -	0.0518	-	-
4-Formylaminoantipyrine	$\mu\text{g/l}$	0.184 \pm 0.0288	- \pm -	0.0386	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	$\mu\text{g/l}$	0.0947 \pm 0.0157	- \pm -	0.0189	-	-
Acesulfame	$\mu\text{g/l}$	0.317 \pm 0.0186	0.459 \pm 0.138	0.0539	145	0.51
Amidotrizoic acid	$\mu\text{g/l}$	0.22 \pm 0.0192	0.22 \pm 0.139	0.044	100	0.00
Atenolol	$\mu\text{g/l}$	0.327 \pm 0.0367	- \pm -	0.0655	-	-
Benzotriazole	$\mu\text{g/l}$	0.0794 \pm 0.00279	0.085 \pm 0.026	0.00953	107	0.11
Bisoprolol	$\mu\text{g/l}$	0.189 \pm 0.0306	- \pm -	0.0398	-	-
Carbamazepine	$\mu\text{g/l}$	0.167 \pm 0.0143	0.169 \pm 0.056	0.0301	101	0.02
Cyclamate	$\mu\text{g/l}$	0.171 \pm 0.0189	0.217 \pm 0.065	0.0342	127	0.35
Diazepam	$\mu\text{g/l}$	- \pm -	- \pm -	-	-	-
Diclofenac	$\mu\text{g/l}$	0.175 \pm 0.00654	0.179 \pm 0.075	0.0245	102	0.03
Ibuprofen	$\mu\text{g/l}$	0.258 \pm 0.0363	0.237 \pm 0.083	0.0645	91.8	-0.12
Iopamidol	$\mu\text{g/l}$	0.348 \pm 0.0479	0.368 \pm 0.147	0.087	106	0.07
Metoprolol	$\mu\text{g/l}$	0.192 \pm 0.00971	- \pm -	0.0327	-	-
Saccharin	$\mu\text{g/l}$	0.389 \pm 0.0585	0.464 \pm 0.139	0.101	119	0.26
Sotalol	$\mu\text{g/l}$	0.426 \pm 0.0424	- \pm -	0.0937	-	-
Sucralose	$\mu\text{g/l}$	0.629 \pm 0.074	0.536 \pm 0.16	0.157	85.2	-0.28
Sulfamethoxazole	$\mu\text{g/l}$	0.176 \pm 0.00987	0.177 \pm 0.035	0.0212	100	0.01

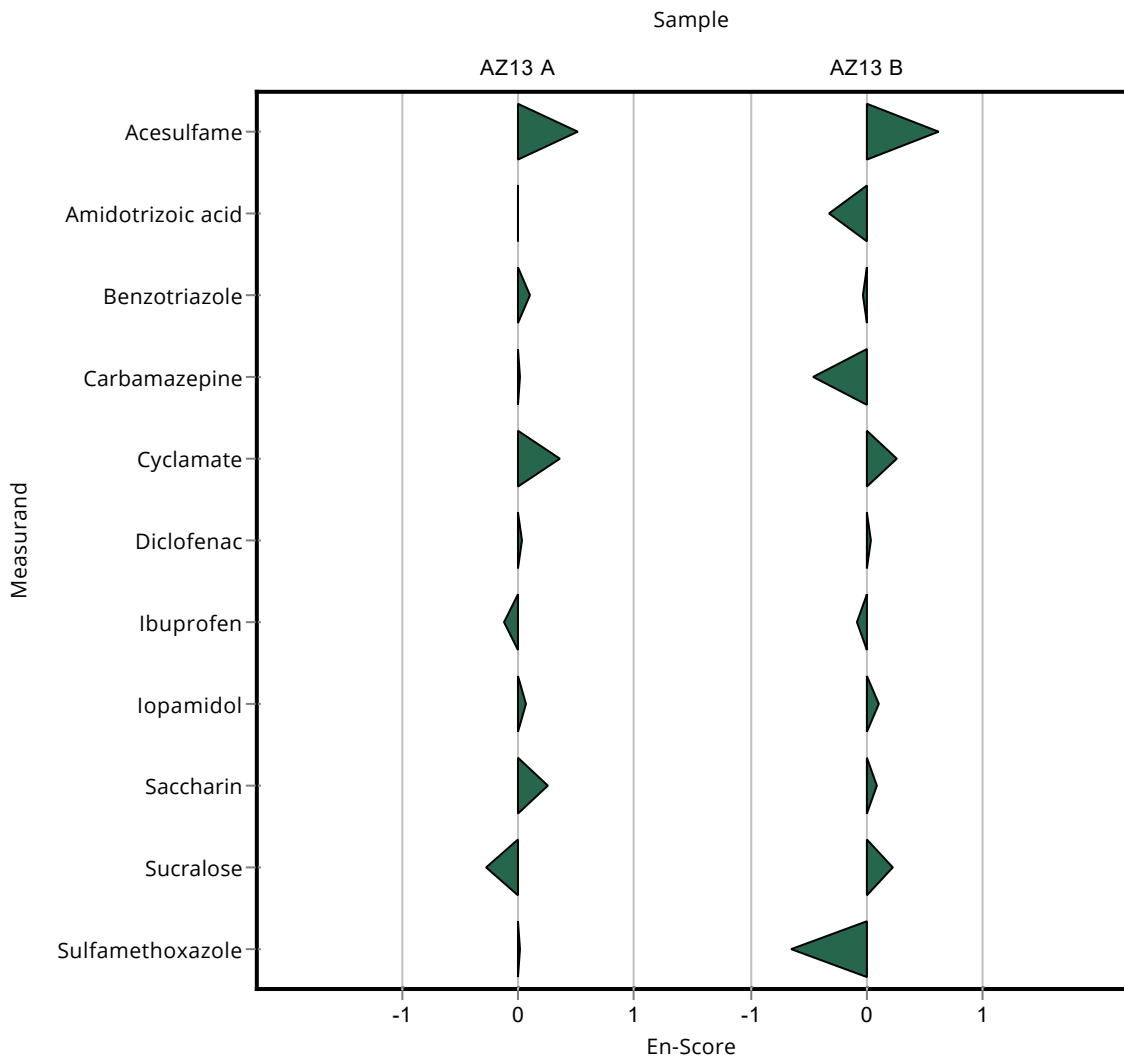
Sample: AZ13B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	$\mu\text{g/l}$	3.94 \pm 0.481	- \pm -	0.631	-	-
4-Formylaminoantipyrine	$\mu\text{g/l}$	- \pm -	- \pm -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	$\mu\text{g/l}$	0.98 \pm 0.188	- \pm -	0.235	-	-

Summary of results Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ13 - En-Score

Labcode: LC0017

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Acesulfame	$\mu\text{g/l}$	0.735 \pm 0.0494	1.17 \pm 0.35	0.125	159	0.62
Amidotrizoic acid	$\mu\text{g/l}$	1.36 \pm 0.108	0.964 \pm 0.61	0.272	70.8	-0.32
Atenolol	$\mu\text{g/l}$	0.248 \pm 0.0203	- \pm -	0.0497	-	-
Benzotriazole	$\mu\text{g/l}$	4.8 \pm 0.293	4.69 \pm 1.41	0.624	97.8	-0.04
Bisoprolol	$\mu\text{g/l}$	0.447 \pm 0.0529	- \pm -	0.0848	-	-
Carbamazepine	$\mu\text{g/l}$	0.366 \pm 0.0336	0.279 \pm 0.092	0.0731	76.3	-0.46
Cyclamate	$\mu\text{g/l}$	0.338 \pm 0.0312	0.402 \pm 0.121	0.0677	119	0.26
Diazepam	$\mu\text{g/l}$	- \pm -	- \pm -	-	-	-
Diclofenac	$\mu\text{g/l}$	2.76 \pm 0.161	2.84 \pm 1.19	0.387	103	0.03
Ibuprofen	$\mu\text{g/l}$	0.688 \pm 0.102	0.651 \pm 0.228	0.179	94.6	-0.08
Iopamidol	$\mu\text{g/l}$	50 \pm 4.77	54.9 \pm 22	10	110	0.11
Metoprolol	$\mu\text{g/l}$	0.187 \pm 0.016	- \pm -	0.0318	-	-
Saccharin	$\mu\text{g/l}$	23.3 \pm 1.28	24.7 \pm 7.4	3.5	106	0.09
Sotalol	$\mu\text{g/l}$	0.17 \pm 0.0154	- \pm -	0.0373	-	-
Sucralose	$\mu\text{g/l}$	33.4 \pm 5.21	39 \pm 11.7	8.69	117	0.23
Sulfamethoxazole	$\mu\text{g/l}$	0.146 \pm 0.00868	0.115 \pm 0.023	0.0175	79	-0.65



Sample: AZ13A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	$\mu\text{g/l}$	0.398 \pm 0.0343	0.486 \pm 0.049	0.0518	122	1.69
4-Formylaminoantipyrine	$\mu\text{g/l}$	0.184 \pm 0.0288	0.245 \pm 0.025	0.0386	133	1.59
10,11-Dihydro-10,11-Dihydroxycarbamazepine	$\mu\text{g/l}$	0.0947 \pm 0.0157	0.133 \pm 0.013	0.0189	140	2.02
Acesulfame	$\mu\text{g/l}$	0.317 \pm 0.0186	0.306 \pm 0.015	0.0539	96.4	-0.21
Amidotrizoic acid	$\mu\text{g/l}$	0.22 \pm 0.0192	0.416 \pm 0.032	0.044	189	4.45
Atenolol	$\mu\text{g/l}$	0.327 \pm 0.0367	0.427 \pm 0.043	0.0655	130	1.52
Benzotriazole	$\mu\text{g/l}$	0.0794 \pm 0.00279	0.095 \pm 0.0093	0.00953	120	1.64
Bisoprolol	$\mu\text{g/l}$	0.189 \pm 0.0306	0.224 \pm 0.022	0.0398	118	0.87
Carbamazepine	$\mu\text{g/l}$	0.167 \pm 0.0143	0.216 \pm 0.0051	0.0301	129	1.62
Cyclamate	$\mu\text{g/l}$	0.171 \pm 0.0189	- \pm -	0.0342	-	-
Diazepam	$\mu\text{g/l}$	- \pm -	- \pm -	-	-	-
Diclofenac	$\mu\text{g/l}$	0.175 \pm 0.00654	0.213 \pm 0.0091	0.0245	122	1.55
Ibuprofen	$\mu\text{g/l}$	0.258 \pm 0.0363	0.165 \pm 0.017	0.0645	63.9	-1.44
Iopamidol	$\mu\text{g/l}$	0.348 \pm 0.0479	0.368 \pm 0.037	0.087	106	0.23
Metoprolol	$\mu\text{g/l}$	0.192 \pm 0.00971	0.259 \pm 0.026	0.0327	135	2.04
Saccharin	$\mu\text{g/l}$	0.389 \pm 0.0585	0.421 \pm 0.031	0.101	108	0.32
Sotalol	$\mu\text{g/l}$	0.426 \pm 0.0424	0.703 \pm 0.07	0.0937	165	2.96
Sucralose	$\mu\text{g/l}$	0.629 \pm 0.074	0.639 \pm 0.064	0.157	102	0.07
Sulfamethoxazole	$\mu\text{g/l}$	0.176 \pm 0.00987	0.22 \pm 0.012	0.0212	125	2.07

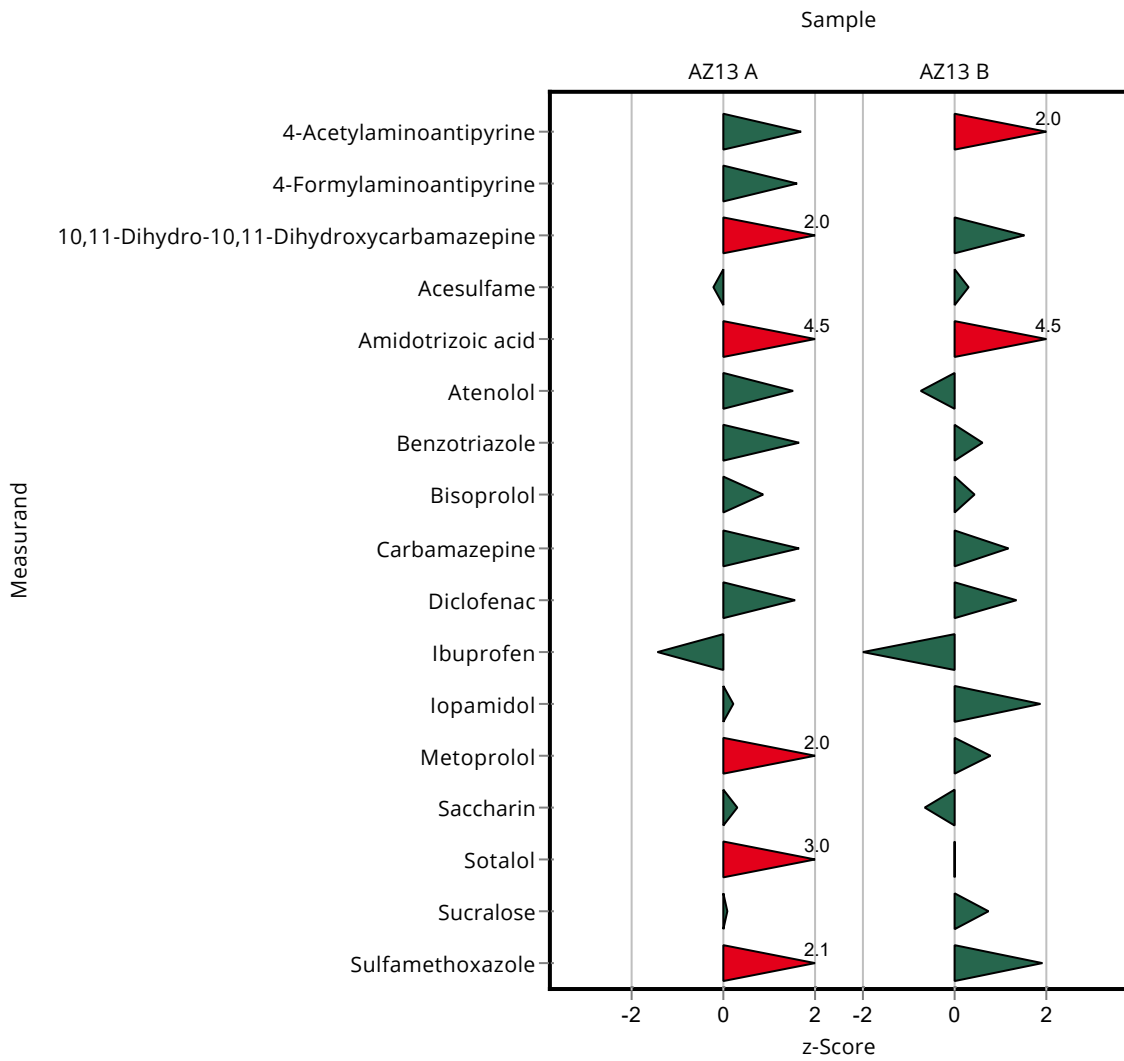
Sample: AZ13B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	$\mu\text{g/l}$	3.94 \pm 0.481	5.205 \pm 0.521	0.631	132	2.00
4-Formylaminoantipyrine	$\mu\text{g/l}$	- \pm -	9.875 \pm 0.988	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	$\mu\text{g/l}$	0.98 \pm 0.188	1.335 \pm 0.134	0.235	136	1.51

Summary of results Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ13

Labcode: LC0018

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Acesulfame	$\mu\text{g/l}$	0.735 \pm 0.0494	0.771 \pm 0.039	0.125	105	0.29
Amidotrizoic acid	$\mu\text{g/l}$	1.36 \pm 0.108	2.575 \pm 0.196	0.272	189	4.45
Atenolol	$\mu\text{g/l}$	0.248 \pm 0.0203	0.213 \pm 0.021	0.0497	85.7	-0.71
Benzotriazole	$\mu\text{g/l}$	4.8 \pm 0.293	5.18 \pm 0.506	0.624	108	0.61
Bisoprolol	$\mu\text{g/l}$	0.447 \pm 0.0529	0.483 \pm 0.048	0.0848	108	0.43
Carbamazepine	$\mu\text{g/l}$	0.366 \pm 0.0336	0.451 \pm 0.011	0.0731	123	1.17
Cyclamate	$\mu\text{g/l}$	0.338 \pm 0.0312	- \pm -	0.0677	-	-
Diazepam	$\mu\text{g/l}$	- \pm -	- \pm -	-	-	-
Diclofenac	$\mu\text{g/l}$	2.76 \pm 0.161	3.285 \pm 0.141	0.387	119	1.35
Ibuprofen	$\mu\text{g/l}$	0.688 \pm 0.102	0.336 \pm 0.034	0.179	48.8	-1.97
Iopamidol	$\mu\text{g/l}$	50 \pm 4.77	68.6 \pm 6.86	10	137	1.86
Metoprolol	$\mu\text{g/l}$	0.187 \pm 0.016	0.212 \pm 0.021	0.0318	113	0.78
Saccharin	$\mu\text{g/l}$	23.3 \pm 1.28	21 \pm 1.533	3.5	90	-0.67
Sotalol	$\mu\text{g/l}$	0.17 \pm 0.0154	0.17 \pm 0.017	0.0373	100	0.01
Sucralose	$\mu\text{g/l}$	33.4 \pm 5.21	39.85 \pm 3.99	8.69	119	0.74
Sulfamethoxazole	$\mu\text{g/l}$	0.146 \pm 0.00868	0.179 \pm 0.012	0.0175	123	1.92



Sample: AZ13A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	$\mu\text{g/l}$	0.398 \pm 0.0343	0.486 \pm 0.049	0.0518	122	0.84
4-Formylaminoantipyrine	$\mu\text{g/l}$	0.184 \pm 0.0288	0.245 \pm 0.025	0.0386	133	1.06
10,11-Dihydro-10,11-Dihydroxycarbamazepine	$\mu\text{g/l}$	0.0947 \pm 0.0157	0.133 \pm 0.013	0.0189	140	1.26
Acesulfame	$\mu\text{g/l}$	0.317 \pm 0.0186	0.306 \pm 0.015	0.0539	96.4	-0.32
Amidotrizoic acid	$\mu\text{g/l}$	0.22 \pm 0.0192	0.416 \pm 0.032	0.044	189	2.93
Atenolol	$\mu\text{g/l}$	0.327 \pm 0.0367	0.427 \pm 0.043	0.0655	130	1.07
Benzotriazole	$\mu\text{g/l}$	0.0794 \pm 0.00279	0.095 \pm 0.0093	0.00953	120	0.83
Bisoprolol	$\mu\text{g/l}$	0.189 \pm 0.0306	0.224 \pm 0.022	0.0398	118	0.65
Carbamazepine	$\mu\text{g/l}$	0.167 \pm 0.0143	0.216 \pm 0.0051	0.0301	129	2.77
Cyclamate	$\mu\text{g/l}$	0.171 \pm 0.0189	- \pm -	0.0342	-	-
Diazepam	$\mu\text{g/l}$	- \pm -	- \pm -	-	-	-
Diclofenac	$\mu\text{g/l}$	0.175 \pm 0.00654	0.213 \pm 0.0091	0.0245	122	1.96
Ibuprofen	$\mu\text{g/l}$	0.258 \pm 0.0363	0.165 \pm 0.017	0.0645	63.9	-1.87
Iopamidol	$\mu\text{g/l}$	0.348 \pm 0.0479	0.368 \pm 0.037	0.087	106	0.23
Metoprolol	$\mu\text{g/l}$	0.192 \pm 0.00971	0.259 \pm 0.026	0.0327	135	1.26
Saccharin	$\mu\text{g/l}$	0.389 \pm 0.0585	0.421 \pm 0.031	0.101	108	0.38
Sotalol	$\mu\text{g/l}$	0.426 \pm 0.0424	0.703 \pm 0.07	0.0937	165	1.89
Sucralose	$\mu\text{g/l}$	0.629 \pm 0.074	0.639 \pm 0.064	0.157	102	0.07
Sulfamethoxazole	$\mu\text{g/l}$	0.176 \pm 0.00987	0.22 \pm 0.012	0.0212	125	1.68

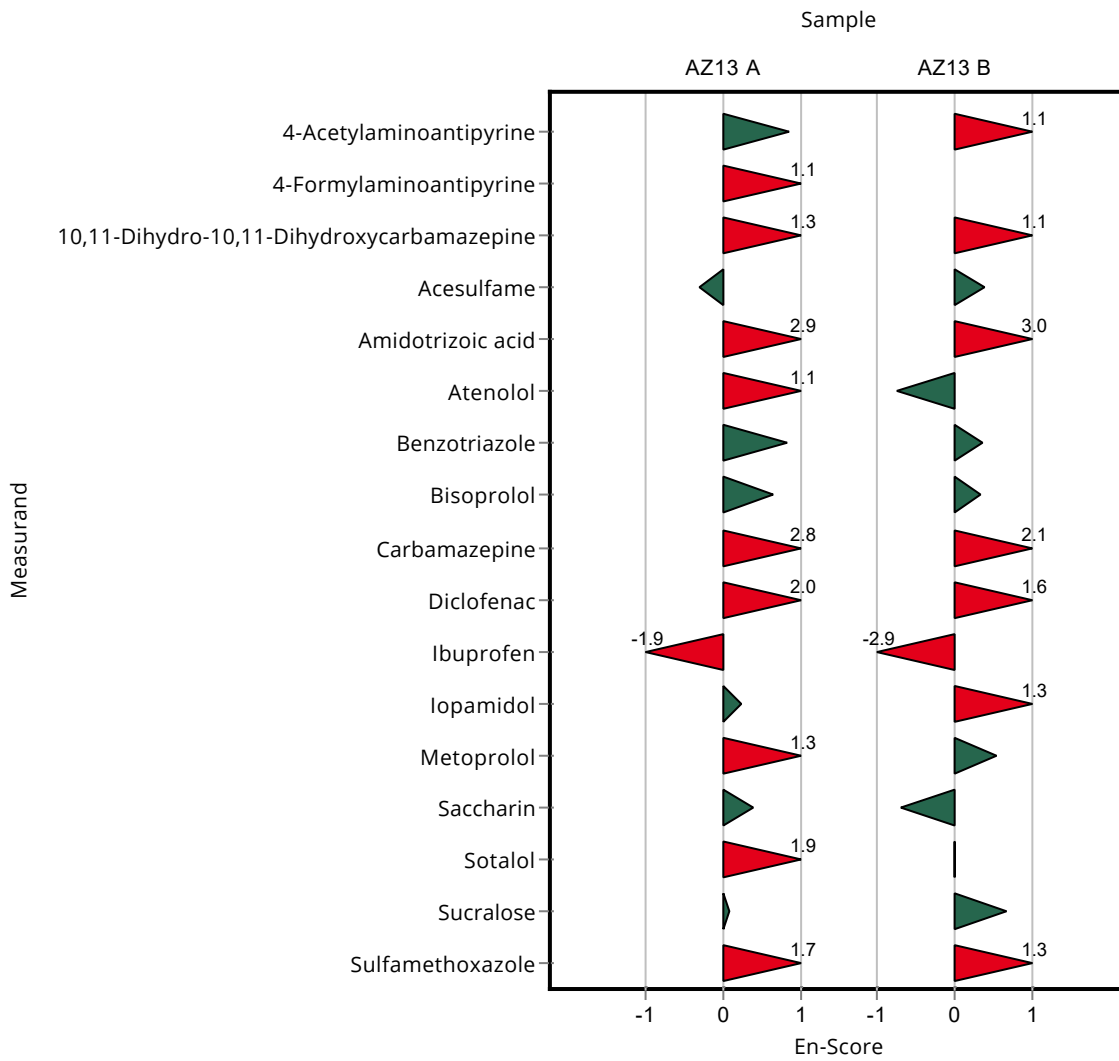
Sample: AZ13B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	$\mu\text{g/l}$	3.94 \pm 0.481	5.205 \pm 0.521	0.631	132	1.10
4-Formylaminoantipyrine	$\mu\text{g/l}$	- \pm -	9.875 \pm 0.988	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	$\mu\text{g/l}$	0.98 \pm 0.188	1.335 \pm 0.134	0.235	136	1.09

Summary of results Pharmaceuticals, Industrial Chemicals and Artificial
Sweeteners - AZ13 - En-Score

Labcode: LC0018

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En- Score
Acesulfame	$\mu\text{g/l}$	0.735 \pm 0.0494	0.771 \pm 0.039	0.125	105	0.39
Amidotrizoic acid	$\mu\text{g/l}$	1.36 \pm 0.108	2.575 \pm 0.196	0.272	189	2.98
Atenolol	$\mu\text{g/l}$	0.248 \pm 0.0203	0.213 \pm 0.021	0.0497	85.7	-0.76
Benzotriazole	$\mu\text{g/l}$	4.8 \pm 0.293	5.18 \pm 0.506	0.624	108	0.36
Bisoprolol	$\mu\text{g/l}$	0.447 \pm 0.0529	0.483 \pm 0.048	0.0848	108	0.33
Carbamazepine	$\mu\text{g/l}$	0.366 \pm 0.0336	0.451 \pm 0.011	0.0731	123	2.12
Cyclamate	$\mu\text{g/l}$	0.338 \pm 0.0312	- \pm -	0.0677	-	-
Diazepam	$\mu\text{g/l}$	- \pm -	- \pm -	-	-	-
Diclofenac	$\mu\text{g/l}$	2.76 \pm 0.161	3.285 \pm 0.141	0.387	119	1.61
Ibuprofen	$\mu\text{g/l}$	0.688 \pm 0.102	0.336 \pm 0.034	0.179	48.8	-2.87
Iopamidol	$\mu\text{g/l}$	50 \pm 4.77	68.6 \pm 6.86	10	137	1.28
Metoprolol	$\mu\text{g/l}$	0.187 \pm 0.016	0.212 \pm 0.021	0.0318	113	0.55
Saccharin	$\mu\text{g/l}$	23.3 \pm 1.28	21 \pm 1.533	3.5	90	-0.70
Sotalol	$\mu\text{g/l}$	0.17 \pm 0.0154	0.17 \pm 0.017	0.0373	100	0.01
Sucralose	$\mu\text{g/l}$	33.4 \pm 5.21	39.85 \pm 3.99	8.69	119	0.67
Sulfamethoxazole	$\mu\text{g/l}$	0.146 \pm 0.00868	0.179 \pm 0.012	0.0175	123	1.31



Summary of results Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ13

Labcode: LC0019

Sample: AZ13A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	$\mu\text{g/l}$	0.398 \pm 0.0343	0.39 \pm 0.0975	0.0518	97.9	-0.16
4-Formylaminoantipyrine	$\mu\text{g/l}$	0.184 \pm 0.0288	- \pm -	0.0386	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	$\mu\text{g/l}$	0.0947 \pm 0.0157	- \pm -	0.0189	-	-
Acesulfame	$\mu\text{g/l}$	0.317 \pm 0.0186	0.31 \pm 0.0775	0.0539	97.7	-0.14
Amidotrizoic acid	$\mu\text{g/l}$	0.22 \pm 0.0192	0.245 \pm 0.06125	0.044	111	0.57
Atenolol	$\mu\text{g/l}$	0.327 \pm 0.0367	0.265 \pm 0.0663	0.0655	81	-0.95
Benzotriazole	$\mu\text{g/l}$	0.0794 \pm 0.00279	0.082 \pm 0.0205	0.00953	103	0.27
Bisoprolol	$\mu\text{g/l}$	0.189 \pm 0.0306	- \pm -	0.0398	-	-
Carbamazepine	$\mu\text{g/l}$	0.167 \pm 0.0143	0.165 \pm 0.04125	0.0301	98.7	-0.07
Cyclamate	$\mu\text{g/l}$	0.171 \pm 0.0189	- \pm -	0.0342	-	-
Diazepam	$\mu\text{g/l}$	- \pm -	- \pm -	-	-	-
Diclofenac	$\mu\text{g/l}$	0.175 \pm 0.00654	0.18 \pm 0.045	0.0245	103	0.20
Ibuprofen	$\mu\text{g/l}$	0.258 \pm 0.0363	0.27 \pm 0.0675	0.0645	105	0.18
Iopamidol	$\mu\text{g/l}$	0.348 \pm 0.0479	- \pm -	0.087	-	-
Metoprolol	$\mu\text{g/l}$	0.192 \pm 0.00971	0.185 \pm 0.04625	0.0327	96.2	-0.22
Saccharin	$\mu\text{g/l}$	0.389 \pm 0.0585	- \pm -	0.101	-	-
Sotalol	$\mu\text{g/l}$	0.426 \pm 0.0424	0.395 \pm 0.09875	0.0937	92.8	-0.33
Sucralose	$\mu\text{g/l}$	0.629 \pm 0.074	- \pm -	0.157	-	-
Sulfamethoxazole	$\mu\text{g/l}$	0.176 \pm 0.00987	0.15 \pm 0.0375	0.0212	85.1	-1.24

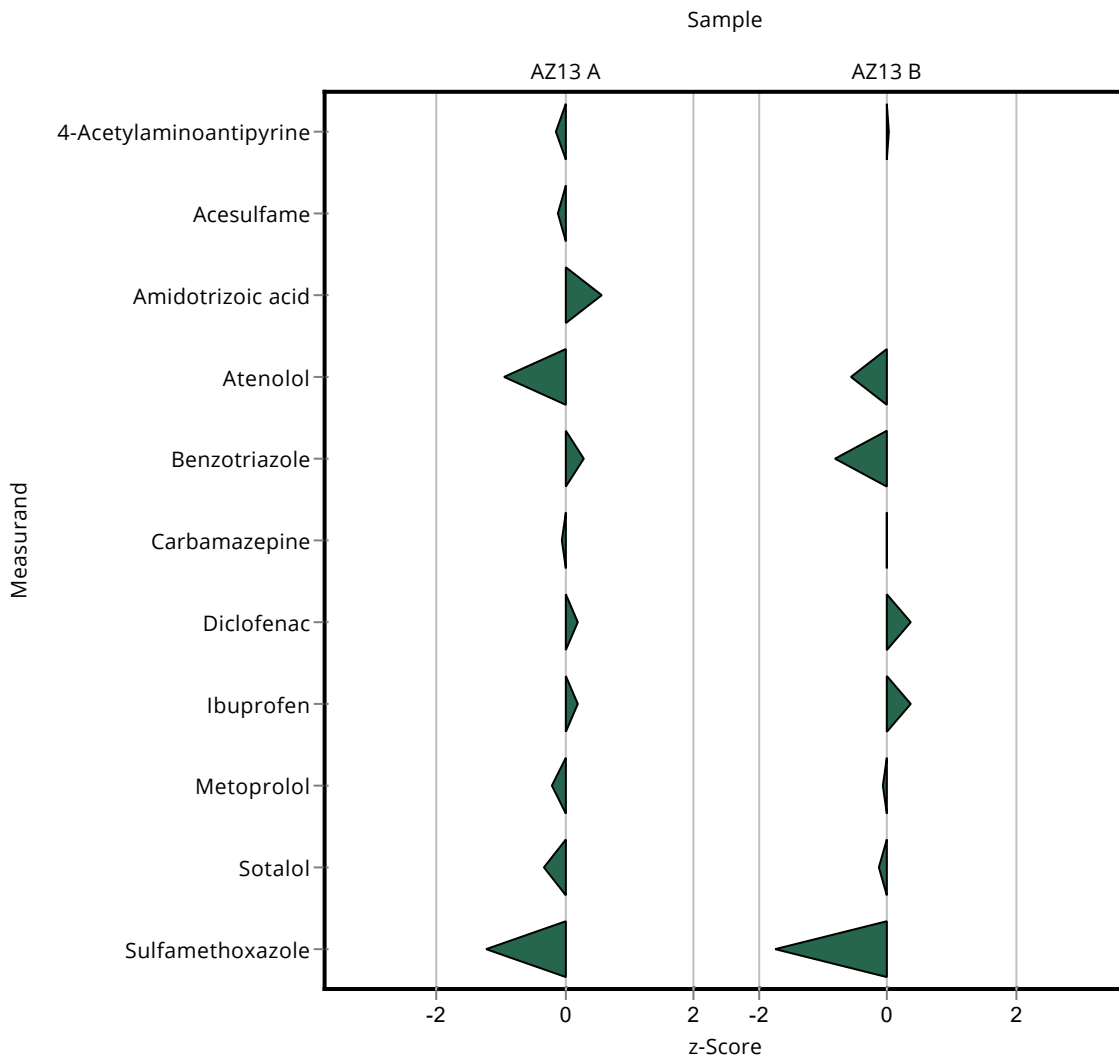
Sample: AZ13B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	$\mu\text{g/l}$	3.94 \pm 0.481	3.96 \pm 0.99	0.631	100	0.03
4-Formylaminoantipyrine	$\mu\text{g/l}$	- \pm -	- \pm -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	$\mu\text{g/l}$	0.98 \pm 0.188	- \pm -	0.235	-	-

Summary of results Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ13

Labcode: LC0019

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Acesulfame	$\mu\text{g/l}$	0.735 \pm 0.0494	- \pm -	0.125	-	-
Amidotrizoic acid	$\mu\text{g/l}$	1.36 \pm 0.108	- \pm -	0.272	-	-
Atenolol	$\mu\text{g/l}$	0.248 \pm 0.0203	0.22 \pm 0.055	0.0497	88.6	-0.57
Benzotriazole	$\mu\text{g/l}$	4.8 \pm 0.293	4.3 \pm 1.075	0.624	89.6	-0.80
Bisoprolol	$\mu\text{g/l}$	0.447 \pm 0.0529	- \pm -	0.0848	-	-
Carbamazepine	$\mu\text{g/l}$	0.366 \pm 0.0336	0.365 \pm 0.073	0.0731	99.8	-0.01
Cyclamate	$\mu\text{g/l}$	0.338 \pm 0.0312	- \pm -	0.0677	-	-
Diazepam	$\mu\text{g/l}$	- \pm -	- \pm -	-	-	-
Diclofenac	$\mu\text{g/l}$	2.76 \pm 0.161	2.9 \pm 0.75	0.387	105	0.36
Ibuprofen	$\mu\text{g/l}$	0.688 \pm 0.102	0.755 \pm 0.2835	0.179	110	0.38
Iopamidol	$\mu\text{g/l}$	50 \pm 4.77	- \pm -	10	-	-
Metoprolol	$\mu\text{g/l}$	0.187 \pm 0.016	0.185 \pm 0.0475	0.0318	98.8	-0.07
Saccharin	$\mu\text{g/l}$	23.3 \pm 1.28	- \pm -	3.5	-	-
Sotalol	$\mu\text{g/l}$	0.17 \pm 0.0154	0.165 \pm 0.0425	0.0373	97.2	-0.13
Sucralose	$\mu\text{g/l}$	33.4 \pm 5.21	- \pm -	8.69	-	-
Sulfamethoxazole	$\mu\text{g/l}$	0.146 \pm 0.00868	0.115 \pm 0.024	0.0175	79	-1.75



Summary of results Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ13 - En-Score

Labcode: LC0019

Sample: AZ13A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	$\mu\text{g/l}$	0.398 \pm 0.0343	0.39 \pm 0.0975	0.0518	97.9	-0.04
4-Formylaminoantipyrine	$\mu\text{g/l}$	0.184 \pm 0.0288	- \pm -	0.0386	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	$\mu\text{g/l}$	0.0947 \pm 0.0157	- \pm -	0.0189	-	-
Acesulfame	$\mu\text{g/l}$	0.317 \pm 0.0186	0.31 \pm 0.0775	0.0539	97.7	-0.05
Amidotrizoic acid	$\mu\text{g/l}$	0.22 \pm 0.0192	0.245 \pm 0.06125	0.044	111	0.20
Atenolol	$\mu\text{g/l}$	0.327 \pm 0.0367	0.265 \pm 0.0663	0.0655	81	-0.45
Benzotriazole	$\mu\text{g/l}$	0.0794 \pm 0.00279	0.082 \pm 0.0205	0.00953	103	0.06
Bisoprolol	$\mu\text{g/l}$	0.189 \pm 0.0306	- \pm -	0.0398	-	-
Carbamazepine	$\mu\text{g/l}$	0.167 \pm 0.0143	0.165 \pm 0.04125	0.0301	98.7	-0.03
Cyclamate	$\mu\text{g/l}$	0.171 \pm 0.0189	- \pm -	0.0342	-	-
Diazepam	$\mu\text{g/l}$	- \pm -	- \pm -	-	-	-
Diclofenac	$\mu\text{g/l}$	0.175 \pm 0.00654	0.18 \pm 0.045	0.0245	103	0.05
Ibuprofen	$\mu\text{g/l}$	0.258 \pm 0.0363	0.27 \pm 0.0675	0.0645	105	0.09
Iopamidol	$\mu\text{g/l}$	0.348 \pm 0.0479	- \pm -	0.087	-	-
Metoprolol	$\mu\text{g/l}$	0.192 \pm 0.00971	0.185 \pm 0.04625	0.0327	96.2	-0.08
Saccharin	$\mu\text{g/l}$	0.389 \pm 0.0585	- \pm -	0.101	-	-
Sotalol	$\mu\text{g/l}$	0.426 \pm 0.0424	0.395 \pm 0.09875	0.0937	92.8	-0.15
Sucralose	$\mu\text{g/l}$	0.629 \pm 0.074	- \pm -	0.157	-	-
Sulfamethoxazole	$\mu\text{g/l}$	0.176 \pm 0.00987	0.15 \pm 0.0375	0.0212	85.1	-0.35

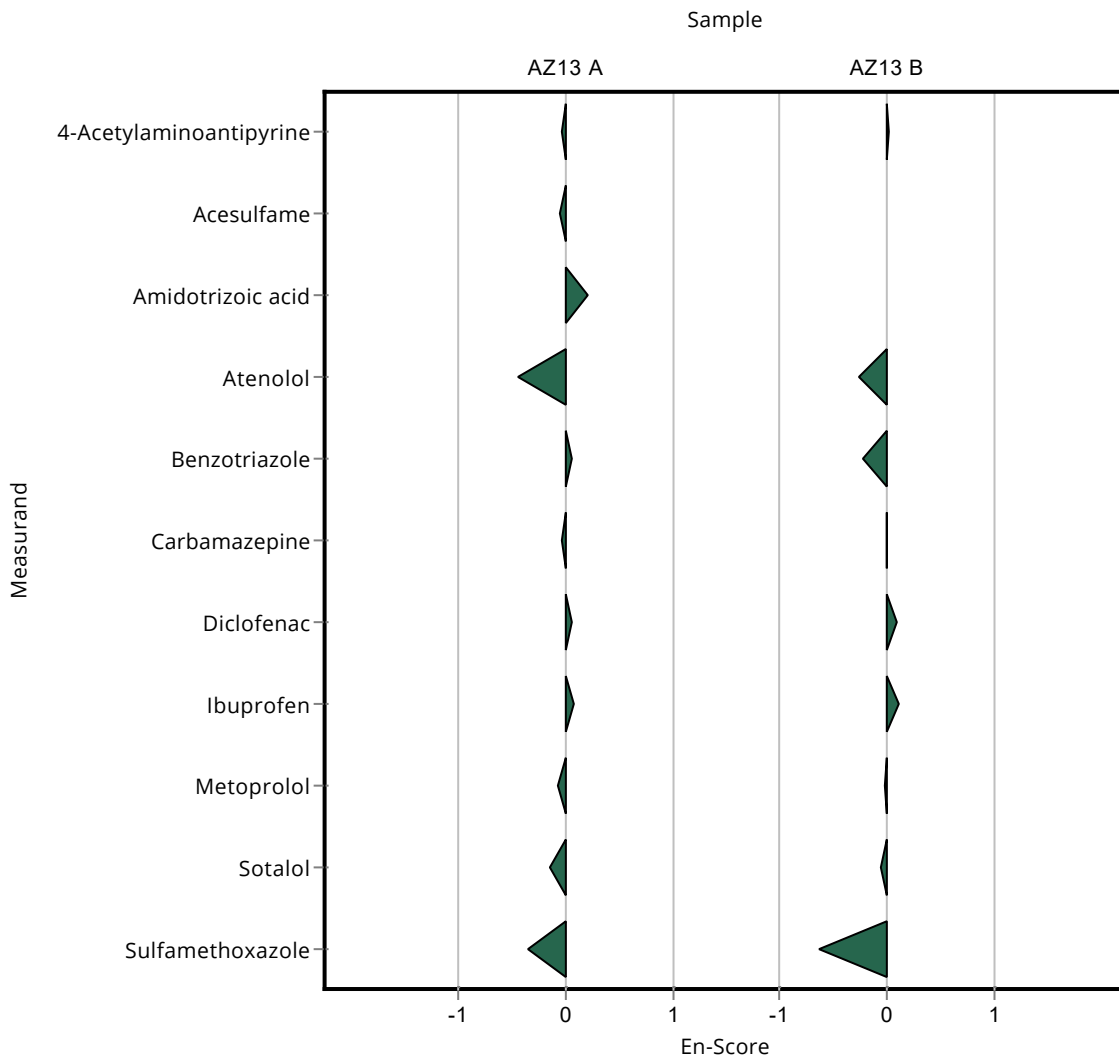
Sample: AZ13B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	$\mu\text{g/l}$	3.94 \pm 0.481	3.96 \pm 0.99	0.631	100	0.01
4-Formylaminoantipyrine	$\mu\text{g/l}$	- \pm -	- \pm -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	$\mu\text{g/l}$	0.98 \pm 0.188	- \pm -	0.235	-	-

Summary of results Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ13 - En-Score

Labcode: LC0019

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Acesulfame	$\mu\text{g/l}$	0.735 \pm 0.0494	- \pm -	0.125	-	-
Amidotrizoic acid	$\mu\text{g/l}$	1.36 \pm 0.108	- \pm -	0.272	-	-
Atenolol	$\mu\text{g/l}$	0.248 \pm 0.0203	0.22 \pm 0.055	0.0497	88.6	-0.25
Benzotriazole	$\mu\text{g/l}$	4.8 \pm 0.293	4.3 \pm 1.075	0.624	89.6	-0.23
Bisoprolol	$\mu\text{g/l}$	0.447 \pm 0.0529	- \pm -	0.0848	-	-
Carbamazepine	$\mu\text{g/l}$	0.366 \pm 0.0336	0.365 \pm 0.073	0.0731	99.8	0.00
Cyclamate	$\mu\text{g/l}$	0.338 \pm 0.0312	- \pm -	0.0677	-	-
Diazepam	$\mu\text{g/l}$	- \pm -	- \pm -	-	-	-
Diclofenac	$\mu\text{g/l}$	2.76 \pm 0.161	2.9 \pm 0.75	0.387	105	0.09
Ibuprofen	$\mu\text{g/l}$	0.688 \pm 0.102	0.755 \pm 0.2835	0.179	110	0.12
Iopamidol	$\mu\text{g/l}$	50 \pm 4.77	- \pm -	10	-	-
Metoprolol	$\mu\text{g/l}$	0.187 \pm 0.016	0.185 \pm 0.0475	0.0318	98.8	-0.02
Saccharin	$\mu\text{g/l}$	23.3 \pm 1.28	- \pm -	3.5	-	-
Sotalol	$\mu\text{g/l}$	0.17 \pm 0.0154	0.165 \pm 0.0425	0.0373	97.2	-0.05
Sucralose	$\mu\text{g/l}$	33.4 \pm 5.21	- \pm -	8.69	-	-
Sulfamethoxazole	$\mu\text{g/l}$	0.146 \pm 0.00868	0.115 \pm 0.024	0.0175	79	-0.63



Summary of results Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ13

Labcode: LC0020

Sample: AZ13A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	$\mu\text{g/l}$	0.398 \pm 0.0343	- \pm -	0.0518	-	-
4-Formylaminoantipyrine	$\mu\text{g/l}$	0.184 \pm 0.0288	- \pm -	0.0386	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	$\mu\text{g/l}$	0.0947 \pm 0.0157	- \pm -	0.0189	-	-
Acesulfame	$\mu\text{g/l}$	0.317 \pm 0.0186	0.341 \pm 0.0853	0.0539	107	0.44
Amidotrizoic acid	$\mu\text{g/l}$	0.22 \pm 0.0192	0.252 \pm 0.063	0.044	114	0.72
Atenolol	$\mu\text{g/l}$	0.327 \pm 0.0367	- \pm -	0.0655	-	-
Benzotriazole	$\mu\text{g/l}$	0.0794 \pm 0.00279	0.104 \pm 0.0259	0.00953	131	2.58
Bisoprolol	$\mu\text{g/l}$	0.189 \pm 0.0306	- \pm -	0.0398	-	-
Carbamazepine	$\mu\text{g/l}$	0.167 \pm 0.0143	0.189 \pm 0.0473	0.0301	113	0.72
Cyclamate	$\mu\text{g/l}$	0.171 \pm 0.0189	- \pm -	0.0342	-	-
Diazepam	$\mu\text{g/l}$	- \pm -	- \pm -	-	-	-
Diclofenac	$\mu\text{g/l}$	0.175 \pm 0.00654	- \pm -	0.0245	-	-
Ibuprofen	$\mu\text{g/l}$	0.258 \pm 0.0363	- \pm -	0.0645	-	-
Iopamidol	$\mu\text{g/l}$	0.348 \pm 0.0479	- \pm -	0.087	-	-
Metoprolol	$\mu\text{g/l}$	0.192 \pm 0.00971	- \pm -	0.0327	-	-
Saccharin	$\mu\text{g/l}$	0.389 \pm 0.0585	- \pm -	0.101	-	-
Sotalol	$\mu\text{g/l}$	0.426 \pm 0.0424	- \pm -	0.0937	-	-
Sucralose	$\mu\text{g/l}$	0.629 \pm 0.074	- \pm -	0.157	-	-
Sulfamethoxazole	$\mu\text{g/l}$	0.176 \pm 0.00987	- \pm -	0.0212	-	-

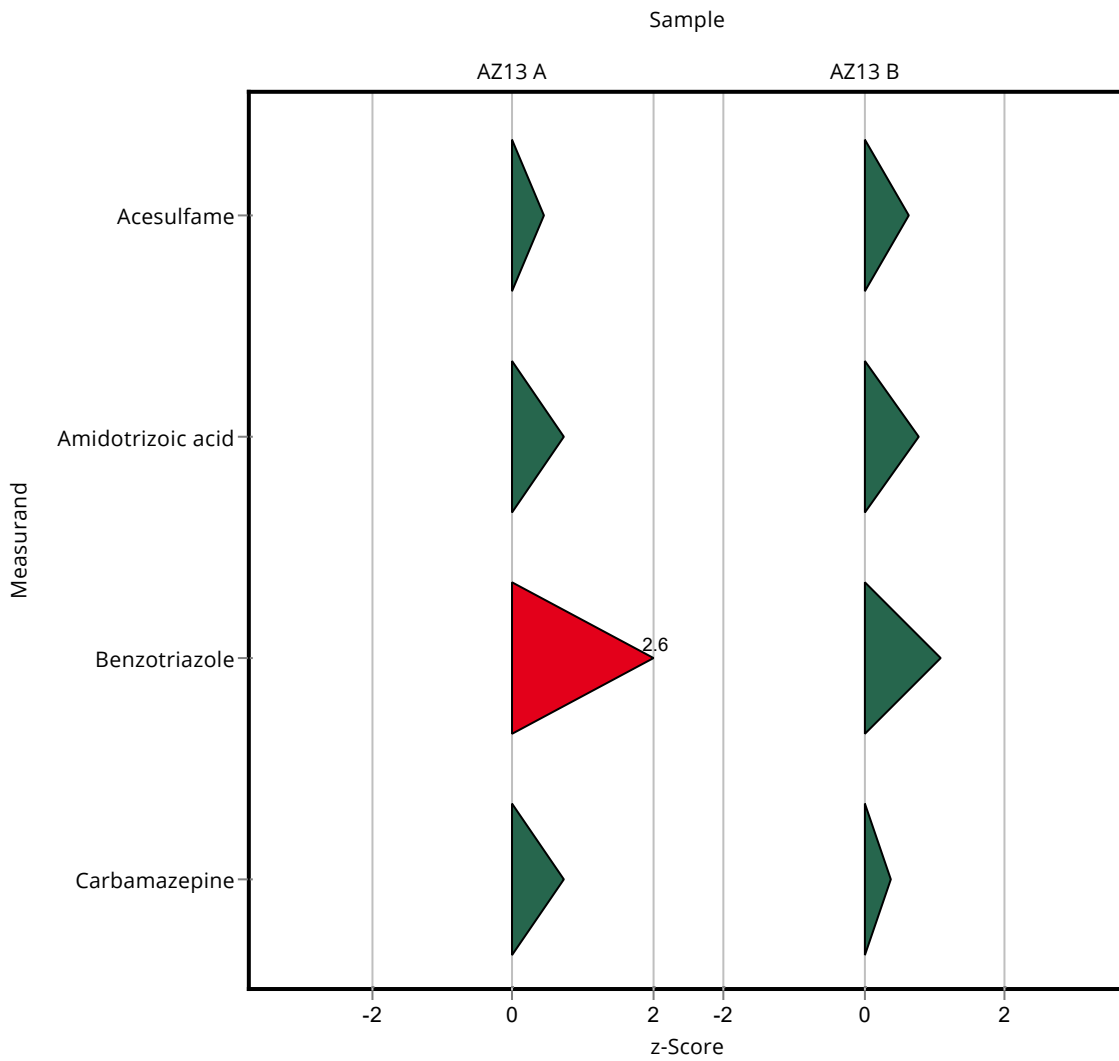
Sample: AZ13B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	$\mu\text{g/l}$	3.94 \pm 0.481	- \pm -	0.631	-	-
4-Formylaminoantipyrine	$\mu\text{g/l}$	- \pm -	- \pm -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	$\mu\text{g/l}$	0.98 \pm 0.188	- \pm -	0.235	-	-

Summary of results Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ13

Labcode: LC0020

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Acesulfame	$\mu\text{g/l}$	0.735 \pm 0.0494	0.814 \pm 0.204	0.125	111	0.64
Amidotrizoic acid	$\mu\text{g/l}$	1.36 \pm 0.108	1.576 \pm 0.394	0.272	116	0.79
Atenolol	$\mu\text{g/l}$	0.248 \pm 0.0203	- \pm -	0.0497	-	-
Benzotriazole	$\mu\text{g/l}$	4.8 \pm 0.293	5.465 \pm 1.366	0.624	114	1.07
Bisoprolol	$\mu\text{g/l}$	0.447 \pm 0.0529	- \pm -	0.0848	-	-
Carbamazepine	$\mu\text{g/l}$	0.366 \pm 0.0336	0.393 \pm 0.098	0.0731	107	0.37
Cyclamate	$\mu\text{g/l}$	0.338 \pm 0.0312	- \pm -	0.0677	-	-
Diazepam	$\mu\text{g/l}$	- \pm -	- \pm -	-	-	-
Diclofenac	$\mu\text{g/l}$	2.76 \pm 0.161	- \pm -	0.387	-	-
Ibuprofen	$\mu\text{g/l}$	0.688 \pm 0.102	- \pm -	0.179	-	-
Iopamidol	$\mu\text{g/l}$	50 \pm 4.77	- \pm -	10	-	-
Metoprolol	$\mu\text{g/l}$	0.187 \pm 0.016	- \pm -	0.0318	-	-
Saccharin	$\mu\text{g/l}$	23.3 \pm 1.28	- \pm -	3.5	-	-
Sotalol	$\mu\text{g/l}$	0.17 \pm 0.0154	- \pm -	0.0373	-	-
Sucralose	$\mu\text{g/l}$	33.4 \pm 5.21	- \pm -	8.69	-	-
Sulfamethoxazole	$\mu\text{g/l}$	0.146 \pm 0.00868	- \pm -	0.0175	-	-



Sample: AZ13A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	$\mu\text{g/l}$	0.398 \pm 0.0343	- \pm -	0.0518	-	-
4-Formylaminoantipyrine	$\mu\text{g/l}$	0.184 \pm 0.0288	- \pm -	0.0386	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	$\mu\text{g/l}$	0.0947 \pm 0.0157	- \pm -	0.0189	-	-
Acesulfame	$\mu\text{g/l}$	0.317 \pm 0.0186	0.341 \pm 0.0853	0.0539	107	0.14
Amidotrizoic acid	$\mu\text{g/l}$	0.22 \pm 0.0192	0.252 \pm 0.063	0.044	114	0.25
Atenolol	$\mu\text{g/l}$	0.327 \pm 0.0367	- \pm -	0.0655	-	-
Benzotriazole	$\mu\text{g/l}$	0.0794 \pm 0.00279	0.104 \pm 0.0259	0.00953	131	0.47
Bisoprolol	$\mu\text{g/l}$	0.189 \pm 0.0306	- \pm -	0.0398	-	-
Carbamazepine	$\mu\text{g/l}$	0.167 \pm 0.0143	0.189 \pm 0.0473	0.0301	113	0.23
Cyclamate	$\mu\text{g/l}$	0.171 \pm 0.0189	- \pm -	0.0342	-	-
Diazepam	$\mu\text{g/l}$	- \pm -	- \pm -	-	-	-
Diclofenac	$\mu\text{g/l}$	0.175 \pm 0.00654	- \pm -	0.0245	-	-
Ibuprofen	$\mu\text{g/l}$	0.258 \pm 0.0363	- \pm -	0.0645	-	-
Iopamidol	$\mu\text{g/l}$	0.348 \pm 0.0479	- \pm -	0.087	-	-
Metoprolol	$\mu\text{g/l}$	0.192 \pm 0.00971	- \pm -	0.0327	-	-
Saccharin	$\mu\text{g/l}$	0.389 \pm 0.0585	- \pm -	0.101	-	-
Sotalol	$\mu\text{g/l}$	0.426 \pm 0.0424	- \pm -	0.0937	-	-
Sucralose	$\mu\text{g/l}$	0.629 \pm 0.074	- \pm -	0.157	-	-
Sulfamethoxazole	$\mu\text{g/l}$	0.176 \pm 0.00987	- \pm -	0.0212	-	-

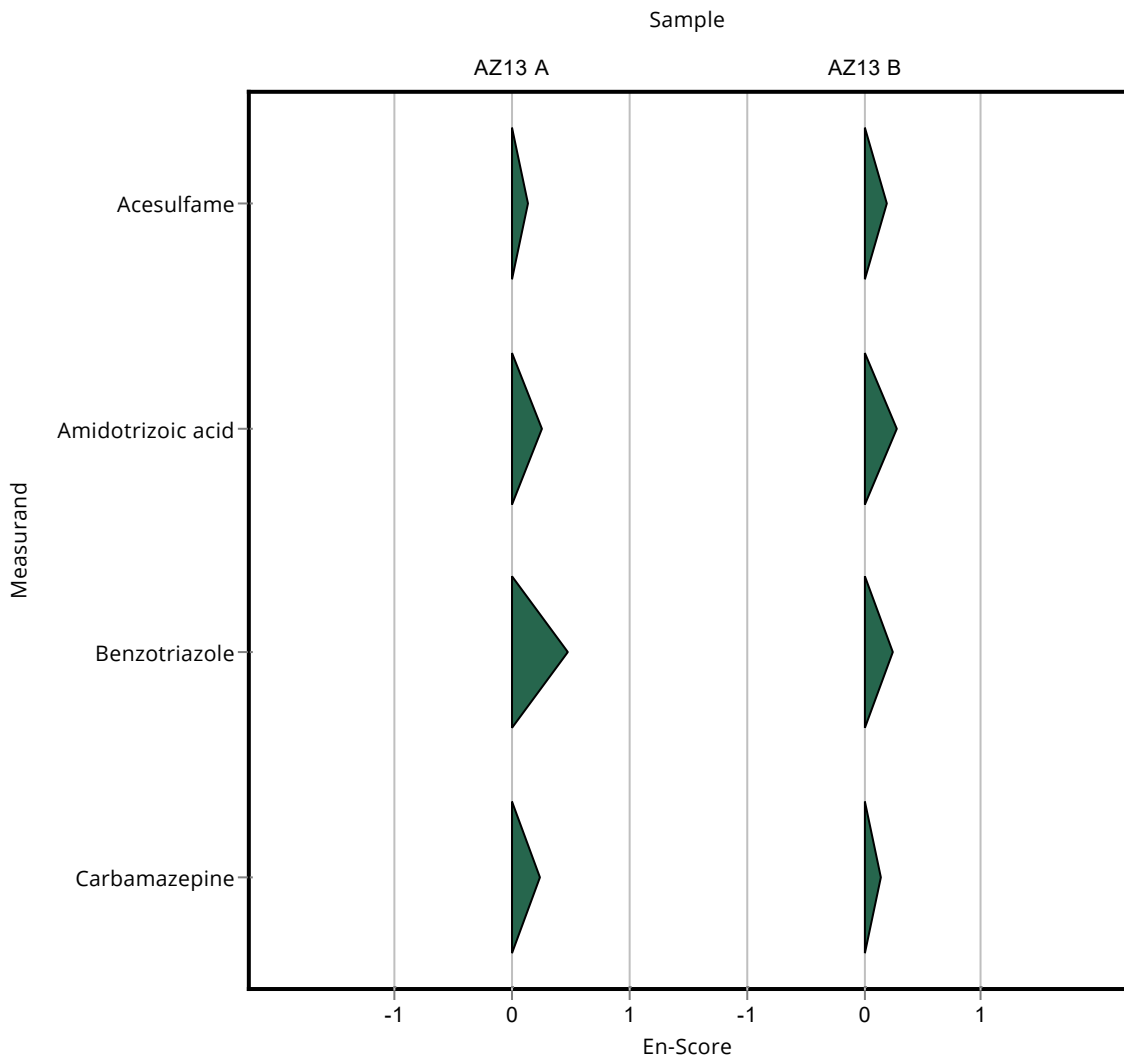
Sample: AZ13B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	$\mu\text{g/l}$	3.94 \pm 0.481	- \pm -	0.631	-	-
4-Formylaminoantipyrine	$\mu\text{g/l}$	- \pm -	- \pm -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	$\mu\text{g/l}$	0.98 \pm 0.188	- \pm -	0.235	-	-

Summary of results Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ13 - En-Score

Labcode: LC0020

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Acesulfame	$\mu\text{g/l}$	0.735 \pm 0.0494	0.814 \pm 0.204	0.125	111	0.19
Amidotrizoic acid	$\mu\text{g/l}$	1.36 \pm 0.108	1.576 \pm 0.394	0.272	116	0.27
Atenolol	$\mu\text{g/l}$	0.248 \pm 0.0203	- \pm -	0.0497	-	-
Benzotriazole	$\mu\text{g/l}$	4.8 \pm 0.293	5.465 \pm 1.366	0.624	114	0.24
Bisoprolol	$\mu\text{g/l}$	0.447 \pm 0.0529	- \pm -	0.0848	-	-
Carbamazepine	$\mu\text{g/l}$	0.366 \pm 0.0336	0.393 \pm 0.098	0.0731	107	0.14
Cyclamate	$\mu\text{g/l}$	0.338 \pm 0.0312	- \pm -	0.0677	-	-
Diazepam	$\mu\text{g/l}$	- \pm -	- \pm -	-	-	-
Diclofenac	$\mu\text{g/l}$	2.76 \pm 0.161	- \pm -	0.387	-	-
Ibuprofen	$\mu\text{g/l}$	0.688 \pm 0.102	- \pm -	0.179	-	-
Iopamidol	$\mu\text{g/l}$	50 \pm 4.77	- \pm -	10	-	-
Metoprolol	$\mu\text{g/l}$	0.187 \pm 0.016	- \pm -	0.0318	-	-
Saccharin	$\mu\text{g/l}$	23.3 \pm 1.28	- \pm -	3.5	-	-
Sotalol	$\mu\text{g/l}$	0.17 \pm 0.0154	- \pm -	0.0373	-	-
Sucralose	$\mu\text{g/l}$	33.4 \pm 5.21	- \pm -	8.69	-	-
Sulfamethoxazole	$\mu\text{g/l}$	0.146 \pm 0.00868	- \pm -	0.0175	-	-



Summary of results Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ13

Labcode: LC0021

Sample: AZ13A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	$\mu\text{g/l}$	0.398 \pm 0.0343	- \pm -	0.0518	-	-
4-Formylaminoantipyrine	$\mu\text{g/l}$	0.184 \pm 0.0288	- \pm -	0.0386	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	$\mu\text{g/l}$	0.0947 \pm 0.0157	- \pm -	0.0189	-	-
Acesulfame	$\mu\text{g/l}$	0.317 \pm 0.0186	0.231 \pm 0.0574	0.0539	72.8	-1.60
Amidotrizoic acid	$\mu\text{g/l}$	0.22 \pm 0.0192	0.292 \pm 0.0577	0.044	133	1.63
Atenolol	$\mu\text{g/l}$	0.327 \pm 0.0367	- \pm -	0.0655	-	-
Benzotriazole	$\mu\text{g/l}$	0.0794 \pm 0.00279	0.0773 \pm 0.0153	0.00953	97.4	-0.22
Bisoprolol	$\mu\text{g/l}$	0.189 \pm 0.0306	- \pm -	0.0398	-	-
Carbamazepine	$\mu\text{g/l}$	0.167 \pm 0.0143	0.153 \pm 0.0308	0.0301	91.5	-0.47
Cyclamate	$\mu\text{g/l}$	0.171 \pm 0.0189	- \pm -	0.0342	-	-
Diazepam	$\mu\text{g/l}$	- \pm -	- \pm -	-	-	-
Diclofenac	$\mu\text{g/l}$	0.175 \pm 0.00654	0.183 \pm 0.0361	0.0245	105	0.32
Ibuprofen	$\mu\text{g/l}$	0.258 \pm 0.0363	0.284 \pm 0.0661	0.0645	110	0.40
Iopamidol	$\mu\text{g/l}$	0.348 \pm 0.0479	0.406 \pm 0.0802	0.087	117	0.67
Metoprolol	$\mu\text{g/l}$	0.192 \pm 0.00971	0.203 \pm 0.0401	0.0327	106	0.33
Saccharin	$\mu\text{g/l}$	0.389 \pm 0.0585	- \pm -	0.101	-	-
Sotalol	$\mu\text{g/l}$	0.426 \pm 0.0424	- \pm -	0.0937	-	-
Sucralose	$\mu\text{g/l}$	0.629 \pm 0.074	- \pm -	0.157	-	-
Sulfamethoxazole	$\mu\text{g/l}$	0.176 \pm 0.00987	0.2 \pm 0.0395	0.0212	113	1.12

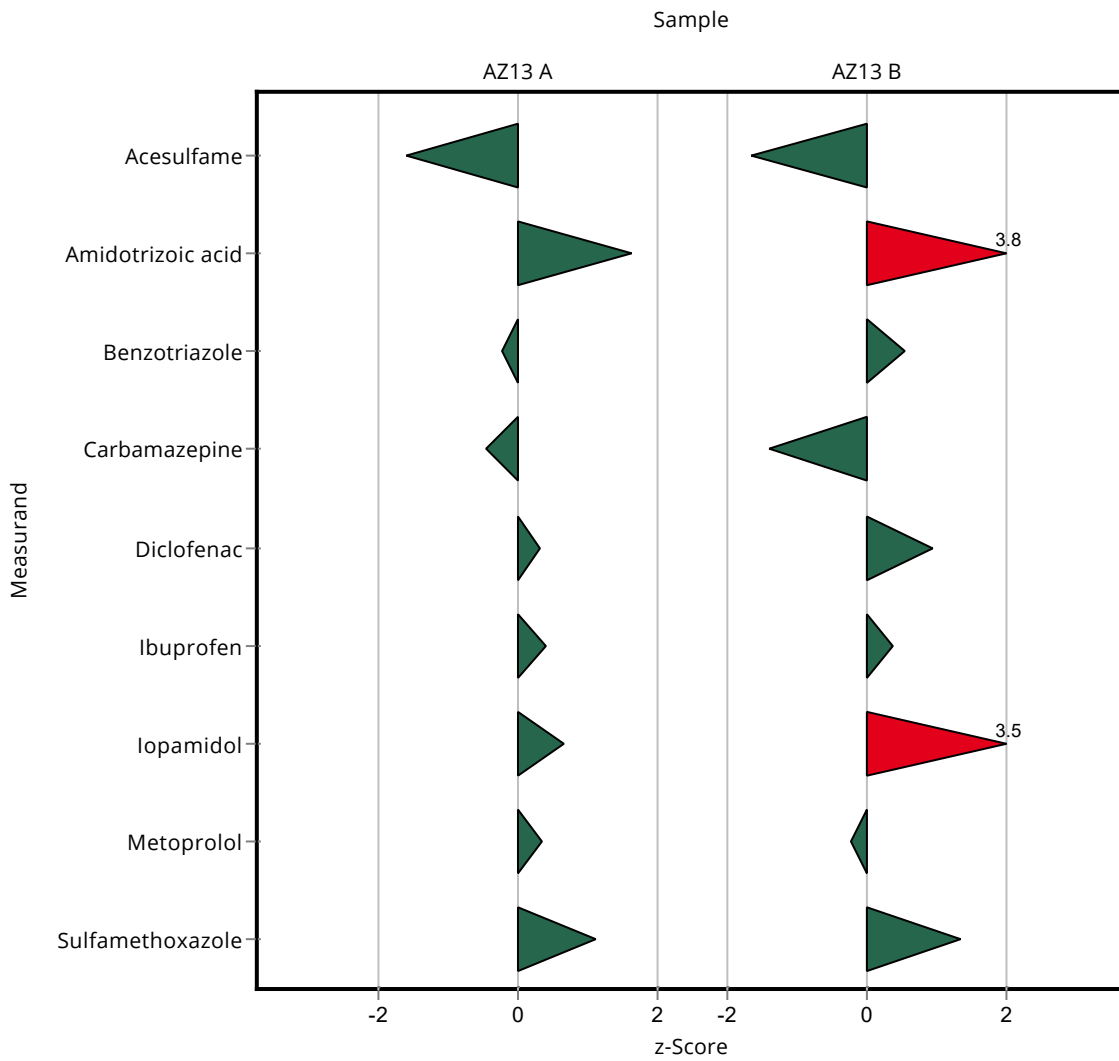
Sample: AZ13B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	$\mu\text{g/l}$	3.94 \pm 0.481	- \pm -	0.631	-	-
4-Formylaminoantipyrine	$\mu\text{g/l}$	- \pm -	- \pm -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	$\mu\text{g/l}$	0.98 \pm 0.188	- \pm -	0.235	-	-

Summary of results Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ13

Labcode: LC0021

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Acesulfame	$\mu\text{g/l}$	0.735 \pm 0.0494	0.529 \pm 0.131	0.125	72	-1.65
Amidotrizoic acid	$\mu\text{g/l}$	1.36 \pm 0.108	2.39 \pm 0.472	0.272	176	3.78
Atenolol	$\mu\text{g/l}$	0.248 \pm 0.0203	- \pm -	0.0497	-	-
Benzotriazole	$\mu\text{g/l}$	4.8 \pm 0.293	5.13 \pm 1.01	0.624	107	0.53
Bisoprolol	$\mu\text{g/l}$	0.447 \pm 0.0529	- \pm -	0.0848	-	-
Carbamazepine	$\mu\text{g/l}$	0.366 \pm 0.0336	0.264 \pm 0.0521	0.0731	72.2	-1.39
Cyclamate	$\mu\text{g/l}$	0.338 \pm 0.0312	- \pm -	0.0677	-	-
Diazepam	$\mu\text{g/l}$	- \pm -	- \pm -	-	-	-
Diclofenac	$\mu\text{g/l}$	2.76 \pm 0.161	3.13 \pm 0.618	0.387	113	0.95
Ibuprofen	$\mu\text{g/l}$	0.688 \pm 0.102	0.755 \pm 0.176	0.179	110	0.38
Iopamidol	$\mu\text{g/l}$	50 \pm 4.77	85.1 \pm 16.8	10	170	3.51
Metoprolol	$\mu\text{g/l}$	0.187 \pm 0.016	0.18 \pm 0.0356	0.0318	96.1	-0.23
Saccharin	$\mu\text{g/l}$	23.3 \pm 1.28	- \pm -	3.5	-	-
Sotalol	$\mu\text{g/l}$	0.17 \pm 0.0154	- \pm -	0.0373	-	-
Sucralose	$\mu\text{g/l}$	33.4 \pm 5.21	- \pm -	8.69	-	-
Sulfamethoxazole	$\mu\text{g/l}$	0.146 \pm 0.00868	0.169 \pm 0.0334	0.0175	116	1.34



Summary of results Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ13 - En-Score

Labcode: LC0021

Sample: AZ13A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	$\mu\text{g/l}$	0.398 \pm 0.0343	- \pm -	0.0518	-	-
4-Formylaminoantipyrine	$\mu\text{g/l}$	0.184 \pm 0.0288	- \pm -	0.0386	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	$\mu\text{g/l}$	0.0947 \pm 0.0157	- \pm -	0.0189	-	-
Acesulfame	$\mu\text{g/l}$	0.317 \pm 0.0186	0.231 \pm 0.0574	0.0539	72.8	-0.74
Amidotrizoic acid	$\mu\text{g/l}$	0.22 \pm 0.0192	0.292 \pm 0.0577	0.044	133	0.61
Atenolol	$\mu\text{g/l}$	0.327 \pm 0.0367	- \pm -	0.0655	-	-
Benzotriazole	$\mu\text{g/l}$	0.0794 \pm 0.00279	0.0773 \pm 0.0153	0.00953	97.4	-0.07
Bisoprolol	$\mu\text{g/l}$	0.189 \pm 0.0306	- \pm -	0.0398	-	-
Carbamazepine	$\mu\text{g/l}$	0.167 \pm 0.0143	0.153 \pm 0.0308	0.0301	91.5	-0.22
Cyclamate	$\mu\text{g/l}$	0.171 \pm 0.0189	- \pm -	0.0342	-	-
Diazepam	$\mu\text{g/l}$	- \pm -	- \pm -	-	-	-
Diclofenac	$\mu\text{g/l}$	0.175 \pm 0.00654	0.183 \pm 0.0361	0.0245	105	0.11
Ibuprofen	$\mu\text{g/l}$	0.258 \pm 0.0363	0.284 \pm 0.0661	0.0645	110	0.19
Iopamidol	$\mu\text{g/l}$	0.348 \pm 0.0479	0.406 \pm 0.0802	0.087	117	0.35
Metoprolol	$\mu\text{g/l}$	0.192 \pm 0.00971	0.203 \pm 0.0401	0.0327	106	0.13
Saccharin	$\mu\text{g/l}$	0.389 \pm 0.0585	- \pm -	0.101	-	-
Sotalol	$\mu\text{g/l}$	0.426 \pm 0.0424	- \pm -	0.0937	-	-
Sucralose	$\mu\text{g/l}$	0.629 \pm 0.074	- \pm -	0.157	-	-
Sulfamethoxazole	$\mu\text{g/l}$	0.176 \pm 0.00987	0.2 \pm 0.0395	0.0212	113	0.30

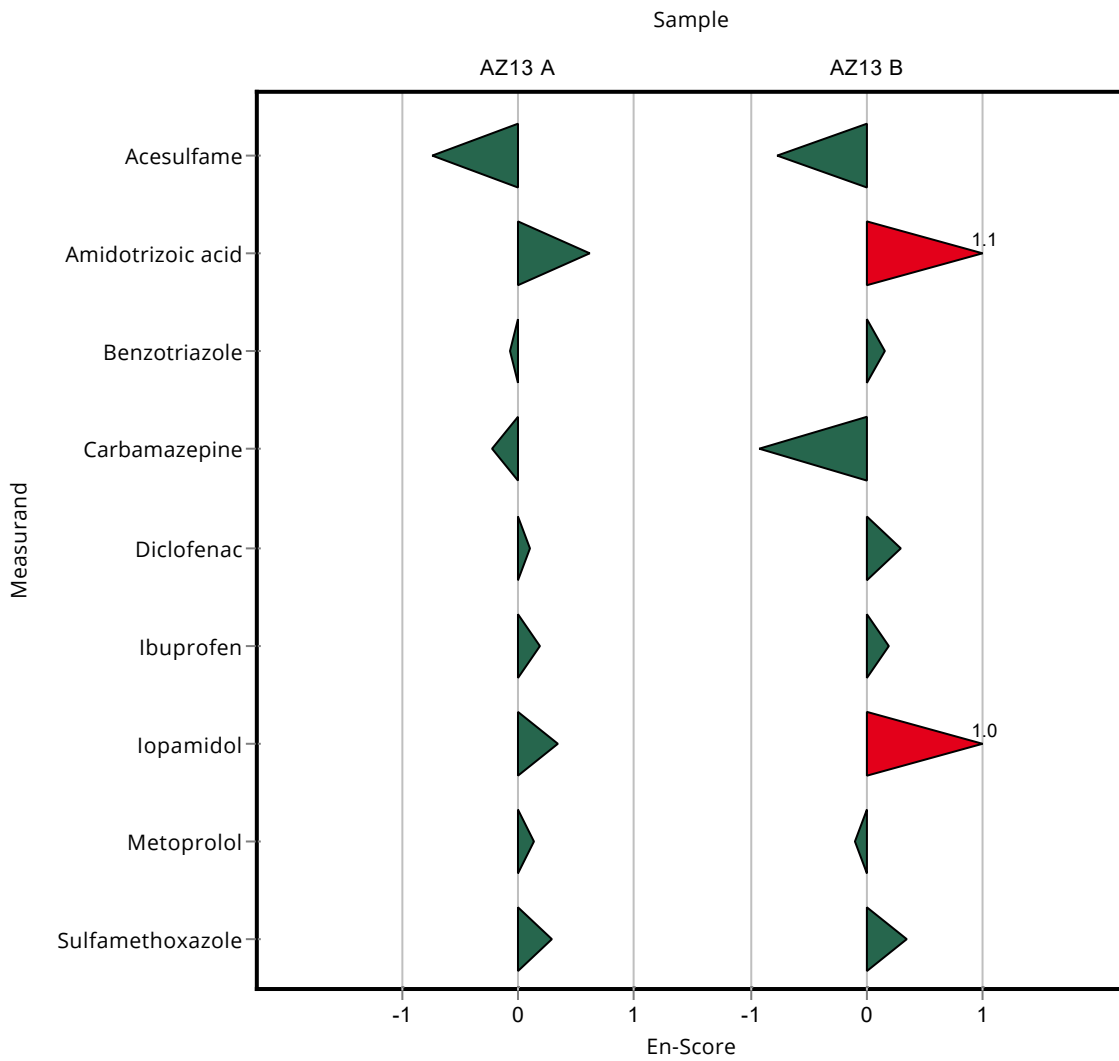
Sample: AZ13B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	$\mu\text{g/l}$	3.94 \pm 0.481	- \pm -	0.631	-	-
4-Formylaminoantipyrine	$\mu\text{g/l}$	- \pm -	- \pm -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	$\mu\text{g/l}$	0.98 \pm 0.188	- \pm -	0.235	-	-

Summary of results Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ13 - En-Score

Labcode: LC0021

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Acesulfame	$\mu\text{g/l}$	0.735 \pm 0.0494	0.529 \pm 0.131	0.125	72	-0.77
Amidotrizoic acid	$\mu\text{g/l}$	1.36 \pm 0.108	2.39 \pm 0.472	0.272	176	1.08
Atenolol	$\mu\text{g/l}$	0.248 \pm 0.0203	- \pm -	0.0497	-	-
Benzotriazole	$\mu\text{g/l}$	4.8 \pm 0.293	5.13 \pm 1.01	0.624	107	0.16
Bisoprolol	$\mu\text{g/l}$	0.447 \pm 0.0529	- \pm -	0.0848	-	-
Carbamazepine	$\mu\text{g/l}$	0.366 \pm 0.0336	0.264 \pm 0.0521	0.0731	72.2	-0.93
Cyclamate	$\mu\text{g/l}$	0.338 \pm 0.0312	- \pm -	0.0677	-	-
Diazepam	$\mu\text{g/l}$	- \pm -	- \pm -	-	-	-
Diclofenac	$\mu\text{g/l}$	2.76 \pm 0.161	3.13 \pm 0.618	0.387	113	0.30
Ibuprofen	$\mu\text{g/l}$	0.688 \pm 0.102	0.755 \pm 0.176	0.179	110	0.18
Iopamidol	$\mu\text{g/l}$	50 \pm 4.77	85.1 \pm 16.8	10	170	1.03
Metoprolol	$\mu\text{g/l}$	0.187 \pm 0.016	0.18 \pm 0.0356	0.0318	96.1	-0.10
Saccharin	$\mu\text{g/l}$	23.3 \pm 1.28	- \pm -	3.5	-	-
Sotalol	$\mu\text{g/l}$	0.17 \pm 0.0154	- \pm -	0.0373	-	-
Sucralose	$\mu\text{g/l}$	33.4 \pm 5.21	- \pm -	8.69	-	-
Sulfamethoxazole	$\mu\text{g/l}$	0.146 \pm 0.00868	0.169 \pm 0.0334	0.0175	116	0.35



E9. Methodenübersicht / Overview of methods

LabCode	Sample	10,11-Dihydro-10,11-Dihydroxy-carbamazepine	4-Acetylamino-antipyrine	4-Formylamino-antipyrine	Acesulfame
LC0001	AZ13A				housemethod;
LC0002	AZ13A				LC-MS/MS direct;
LC0004	AZ13A				LC-MS/MS direct; EN ISO 21676
LC0005	AZ13A	LC-MS/MS direct;	LC-MS/MS direct;	LC-MS/MS direct;	
LC0006	AZ13A				LC-MS/MS;
LC0007	AZ13A				
LC0008	AZ13A		LC-MS/MS; EN ISO 21676	LC-MS/MS; EN ISO 21676	LC-MS/MS direct; DIN 38407-36
LC0009	AZ13A	LC-MS/MS direct;	LC-MS/MS direct;	LC-MS/MS direct;	LC-MS/MS;
LC0010	AZ13A	LC-MS/MS direct; EN ISO 21676			LC-MS/MS direct; EN ISO 21676
LC0011	AZ13A				LC-MS/MS direct;
LC0012	AZ13A	LC-MS/MS direct; EN ISO 21676	LC-MS/MS direct; EN ISO 21676	LC-MS/MS direct; EN ISO 21676	LC-MS/MS; housemethod
LC0013	AZ13A				LC-MS/MS direct; DIN 38407-36
LC0014	AZ13A	LC-MS/MS direct; EN ISO 21676	LC-MS/MS direct; EN ISO 21676	LC-MS/MS direct; EN ISO 21676	LC-MS/MS; housemethod
LC0015	AZ13A	LC-MS/MS direct; EN ISO 21676			LC-MS/MS direct; EN ISO 21676
LC0016	AZ13A		LC-HRMS; housemethod	LC-HRMS; housemethod	LC-HRMS; housemethod
LC0017	AZ13A				LC-MS/MS; housemethod
LC0018	AZ13A	LC-MS/MS direct;	LC-MS/MS direct;	LC-MS/MS direct;	LC-MS/MS direct;
LC0019	AZ13A		LC-MS/MS;		LC-MS/MS;
LC0020	AZ13A				LC-MS/MS direct; EN ISO 21676
LC0021	AZ13A				LC-MS/MS direct; DIN 38407-36

LabCode	Sample	Amidotrizoic acid	Atenolol	Benzotriazole	Bisoprolol
LC0001	AZ13A				
LC0002	AZ13A	LC-MS/MS direct;	LC-MS/MS direct;	LC-MS/MS direct;	
LC0004	AZ13A			LC-MS/MS direct; EN ISO 21676	LC-MS/MS direct; EN ISO 21676
LC0005	AZ13A	LC-MS/MS direct;	LC-MS/MS direct;	LC-MS/MS direct;	LC-MS/MS direct;
LC0006	AZ13A	LC-MS/MS;		LC-MS/MS;	
LC0007	AZ13A				
LC0008	AZ13A	LC-MS/MS; EN ISO 21676		LC-MS/MS direct; DIN 38407-36	
LC0009	AZ13A	LC-MS/MS;		LC-MS/MS direct;	
LC0010	AZ13A	LC-MS/MS direct; EN ISO 21676	LC-MS/MS direct; EN ISO 21676	LC-MS/MS direct; EN ISO 21676	
LC0011	AZ13A	LC-MS/MS direct;	LC-MS/MS direct;	LC-MS/MS direct;	
LC0012	AZ13A	LC-MS/MS direct; EN ISO 21676	LC-MS/MS direct; EN ISO 21676	LC-MS/MS; housemethod	LC-MS/MS direct; EN ISO 21676
LC0013	AZ13A			LC-MS/MS direct; DIN 38407-36	
LC0014	AZ13A	LC-MS/MS direct; EN ISO 21676	LC-MS/MS direct; EN ISO 21676	LC-MS/MS; housemethod	LC-MS/MS direct; EN ISO 21676
LC0015	AZ13A	LC-MS/MS direct; EN ISO 21676	LC-MS/MS direct; EN ISO 21676	LC-MS/MS direct; EN ISO 21676	LC-MS/MS direct; EN ISO 21676
LC0016	AZ13A		LC-HRMS; housemethod	LC-HRMS; housemethod	LC-HRMS; housemethod
LC0017	AZ13A	LC-MS/MS; housemethod		LC-MS/MS; housemethod	
LC0018	AZ13A	LC-MS/MS direct;	LC-MS/MS direct;	LC-MS/MS direct;	LC-MS/MS direct;
LC0019	AZ13A	LC-MS/MS;	LC-MS/MS;	LC-MS/MS;	
LC0020	AZ13A	LC-MS/MS direct; EN ISO 21676		LC-MS/MS direct; EN ISO 21676	
LC0021	AZ13A	LC-MS/MS direct; DIN 38407-47		LC-MS/MS direct; DIN 38407-47	

LabCode	Sample	Carbamazepine	Cyclamate	Diazepam	Diclofenac
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LC0001	AZ13A	LC-MS/MS;	housemethod;		LC-MS/MS;
LC0002	AZ13A	LC-MS/MS direct;	LC-MS/MS direct;		LC-MS/MS direct;
LC0004	AZ13A	LC-MS/MS direct; EN ISO 21676	LC-MS/MS direct; EN ISO 21676		LC-MS/MS direct; EN ISO 21676
LC0005	AZ13A	LC-MS/MS direct;		LC-MS/MS direct;	LC-MS/MS direct;
LC0006	AZ13A	LC-MS/MS;	LC-MS/MS;	LC-MS/MS;	LC-MS/MS;
LC0007	AZ13A				
LC0008	AZ13A	LC-MS/MS; EN ISO 21676			LC-MS/MS; EN ISO 21676
LC0009	AZ13A	LC-MS/MS direct;	LC-MS/MS;	LC-MS/MS direct;	LC-MS/MS direct;
LC0010	AZ13A	LC-MS/MS direct; EN ISO 21676	LC-MS/MS direct; EN ISO 21676		
LC0011	AZ13A	LC-MS/MS direct;	LC-MS/MS direct;		LC-MS/MS direct;
LC0012	AZ13A	LC-MS/MS direct; EN ISO 21676			LC-MS/MS direct; EN ISO 21676
LC0013	AZ13A	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36		
LC0014	AZ13A	LC-MS/MS direct; EN ISO 21676	LC-MS/MS; housemethod	LC-MS/MS direct; EN ISO 21676	LC-MS/MS direct; EN ISO 21676
LC0015	AZ13A	LC-MS/MS direct; EN ISO 21676		LC-MS/MS direct; EN ISO 21676	LC-MS/MS direct; EN ISO 21676
LC0016	AZ13A	LC-HRMS; housemethod	LC-HRMS; housemethod		LC-HRMS; housemethod
LC0017	AZ13A	LC-MS/MS; housemethod	LC-MS/MS; housemethod		LC-MS/MS; housemethod
LC0018	AZ13A	LC-MS/MS direct;			LC-MS/MS direct;
LC0019	AZ13A	LC-MS/MS;			LC-MS/MS;
LC0020	AZ13A	LC-MS/MS direct; EN ISO 21676			
LC0021	AZ13A	LC-MS/MS direct; DIN 38407-47			LC-MS/MS direct; DIN 38407-47

LabCode	Sample	Ibuprofen	Iopamidol	Metoprolol	Saccharin
LC0001	AZ13A	LC-MS/MS;			housemethod;
LC0002	AZ13A	LC-MS/MS direct;	LC-MS/MS direct;	LC-MS/MS direct;	

LC0004	AZ13A	LC-MS/MS direct; EN ISO 21676			LC-MS/MS direct; EN ISO 21676
LC0005	AZ13A	LC-MS/MS direct;	LC-MS/MS direct;	LC-MS/MS direct;	LC-MS/MS direct;
LC0006	AZ13A		LC-MS/MS;	LC-MS/MS;	LC-MS/MS;
LC0007	AZ13A				
LC0008	AZ13A	LC-MS/MS; EN ISO 21676	LC-MS/MS; EN ISO 21676	LC-MS/MS; EN ISO 21676	
LC0009	AZ13A		LC-MS/MS;	LC-MS/MS direct;	LC-MS/MS;
LC0010	AZ13A			LC-MS/MS direct; EN ISO 21676	LC-MS/MS direct; EN ISO 21676
LC0011	AZ13A		LC-MS/MS direct;	LC-MS/MS direct;	LC-MS/MS direct;
LC0012	AZ13A	LC-MS/MS direct; EN ISO 21676	LC-MS/MS direct; EN ISO 21676	LC-MS/MS direct; EN ISO 21676	
LC0013	AZ13A				LC-MS/MS direct; DIN 38407-36
LC0014	AZ13A	LC-MS/MS direct; EN ISO 21676	LC-MS/MS direct; EN ISO 21676	LC-MS/MS direct; EN ISO 21676	LC-MS/MS; housemethod
LC0015	AZ13A	LC-MS/MS direct; EN ISO 21676	LC-MS/MS direct; EN ISO 21676	LC-MS/MS direct; EN ISO 21676	
LC0016	AZ13A	LC-HRMS; housemethod	LC-HRMS; housemethod	LC-HRMS; housemethod	LC-HRMS; housemethod
LC0017	AZ13A	LC-MS/MS; housemethod	LC-MS/MS; housemethod		LC-MS/MS; housemethod
LC0018	AZ13A	LC-MS/MS direct;	LC-MS/MS direct;	LC-MS/MS direct;	LC-MS/MS direct;
LC0019	AZ13A	LC-MS/MS;		LC-MS/MS;	
LC0020	AZ13A				
LC0021	AZ13A	LC-MS/MS direct; DIN 38407-47	LC-MS/MS direct; DIN 38407-47	LC-MS/MS direct; DIN 38407-47	

LabCode	Sample	Sotalol	Sucralose	Sulfamethoxazole
LC0001	AZ13A		housemethod;	
LC0002	AZ13A	LC-MS/MS direct;	LC-MS/MS direct;	LC-MS/MS direct;
LC0004	AZ13A		LC-MS/MS direct; EN ISO 21676	LC-MS/MS direct; EN ISO 21676
LC0005	AZ13A	LC-MS/MS direct;		LC-MS/MS direct;

LC0006	AZ13A	LC-MS/MS;	LC-MS/MS;	LC-MS/MS;
LC0007	AZ13A			
LC0008	AZ13A	LC-MS/MS; EN ISO 21676		LC-MS/MS; EN ISO 21676
LC0009	AZ13A	LC-MS/MS direct;	LC-MS/MS;	LC-MS/MS direct;
LC0010	AZ13A	LC-MS/MS direct; EN ISO 21676		LC-MS/MS direct; EN ISO 21676
LC0011	AZ13A	LC-MS/MS direct;	LC-MS/MS direct;	LC-MS/MS direct;
LC0012	AZ13A	LC-MS/MS direct; EN ISO 21676	LC-MS/MS; housemethod	LC-MS/MS direct; EN ISO 21676
LC0013	AZ13A		LC-MS/MS direct; DIN 38407-36	
LC0014	AZ13A	LC-MS/MS direct; EN ISO 21676	LC-MS/MS; housemethod	LC-MS/MS direct; EN ISO 21676
LC0015	AZ13A	LC-MS/MS direct; EN ISO 21676		LC-MS/MS direct; EN ISO 21676
LC0016	AZ13A	LC-HRMS; housemethod		LC-HRMS; housemethod
LC0017	AZ13A		LC-MS/MS; housemethod	LC-MS/MS; housemethod
LC0018	AZ13A	LC-MS/MS direct;	LC-MS/MS direct;	LC-MS/MS direct;
LC0019	AZ13A	LC-MS/MS;		LC-MS/MS;
LC0020	AZ13A			
LC0021	AZ13A			LC-MS/MS direct; DIN 38407-47

LabCode	Sample	10,11-Dihydro-10,11-Dihydroxy-carbamazepine	4-Acetylamino-antipyrine	4-Formylamino-antipyrine	Acesulfame
LC0001	AZ13B				housemethod;
LC0002	AZ13B				LC-MS/MS direct;
LC0004	AZ13B				LC-MS/MS direct; EN ISO 21676
LC0005	AZ13B	LC-MS/MS direct;	LC-MS/MS direct;	LC-MS/MS direct;	
LC0006	AZ13B				LC-MS/MS;
LC0007	AZ13B				
LC0008	AZ13B		LC-MS/MS; EN ISO 21676	LC-MS/MS; EN ISO 21676	LC-MS/MS direct; DIN 38407-36
LC0009	AZ13B	LC-MS/MS direct;			LC-MS/MS;
LC0010	AZ13B				LC-MS/MS direct; EN ISO 21676
LC0011	AZ13B				LC-MS/MS direct;
LC0012	AZ13B	LC-MS/MS direct; EN ISO 21676	LC-MS/MS direct; EN ISO 21676	LC-MS/MS direct; EN ISO 21676	LC-MS/MS; housemethod
LC0013	AZ13B				LC-MS/MS direct; DIN 38407-36
LC0014	AZ13B	LC-MS/MS direct; EN ISO 21676	LC-MS/MS direct; EN ISO 21676	LC-MS/MS direct; EN ISO 21676	LC-MS/MS; housemethod
LC0015	AZ13B	LC-MS/MS direct; EN ISO 21676			LC-MS/MS direct; EN ISO 21676
LC0016	AZ13B		LC-HRMS; housemethod	LC-HRMS; housemethod	LC-HRMS; housemethod
LC0017	AZ13B				LC-MS/MS; housemethod
LC0018	AZ13B	LC-MS/MS direct;	LC-MS/MS direct;	LC-MS/MS direct;	LC-MS/MS direct;
LC0019	AZ13B		LC-MS/MS;		
LC0020	AZ13B				LC-MS/MS direct; EN ISO 21676
LC0021	AZ13B				LC-MS/MS direct; DIN 38407-36

LabCode	Sample	Amidotrizoic acid	Atenolol	Benzotriazole	Bisoprolol
LC0001	AZ13B				
LC0002	AZ13B	LC-MS/MS direct;	LC-MS/MS direct;	LC-MS/MS direct;	
LC0004	AZ13B			LC-MS/MS direct; EN ISO 21676	LC-MS/MS direct; EN ISO 21676
LC0005	AZ13B	LC-MS/MS direct;	LC-MS/MS direct;	LC-MS/MS direct;	LC-MS/MS direct;
LC0006	AZ13B	LC-MS/MS;		LC-MS/MS;	
LC0007	AZ13B				
LC0008	AZ13B	LC-MS/MS; EN ISO 21676		LC-MS/MS direct; DIN 38407-36	
LC0009	AZ13B	LC-MS/MS;		LC-MS/MS direct;	
LC0010	AZ13B	LC-MS/MS direct; EN ISO 21676	LC-MS/MS direct; EN ISO 21676	LC-MS/MS direct; EN ISO 21676	
LC0011	AZ13B	LC-MS/MS direct;	LC-MS/MS direct;	LC-MS/MS direct;	
LC0012	AZ13B	LC-MS/MS direct; EN ISO 21676	LC-MS/MS direct; EN ISO 21676	LC-MS/MS direct; EN ISO 21676	LC-MS/MS direct; EN ISO 21676
LC0013	AZ13B			LC-MS/MS direct; DIN 38407-36	
LC0014	AZ13B	LC-MS/MS direct; EN ISO 21676	LC-MS/MS direct; EN ISO 21676	LC-MS/MS; housemethod	LC-MS/MS direct; EN ISO 21676
LC0015	AZ13B	LC-MS/MS direct; EN ISO 21676	LC-MS/MS direct; EN ISO 21676	LC-MS/MS direct; EN ISO 21676	LC-MS/MS direct; EN ISO 21676
LC0016	AZ13B		LC-HRMS; housemethod	LC-HRMS; housemethod	LC-HRMS; housemethod
LC0017	AZ13B	LC-MS/MS; housemethod		LC-MS/MS; housemethod	
LC0018	AZ13B	LC-MS/MS direct;	LC-MS/MS direct;	LC-MS/MS direct;	LC-MS/MS direct;
LC0019	AZ13B		LC-MS/MS;	LC-MS/MS;	
LC0020	AZ13B	LC-MS/MS direct; EN ISO 21676		LC-MS/MS direct; EN ISO 21676	
LC0021	AZ13B	LC-MS/MS direct; DIN 38407-47		LC-MS/MS direct; DIN 38407-47	

LabCode	Sample	Carbamazepine	Cyclamate	Diazepam	Diclofenac
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LC0001	AZ13B	LC-MS/MS;	housemethod;		LC-MS/MS;
LC0002	AZ13B	LC-MS/MS direct;	LC-MS/MS direct;		LC-MS/MS direct;
LC0004	AZ13B	LC-MS/MS direct; EN ISO 21676	LC-MS/MS direct; EN ISO 21676		LC-MS/MS direct; EN ISO 21676
LC0005	AZ13B	LC-MS/MS direct;		LC-MS/MS direct;	LC-MS/MS direct;
LC0006	AZ13B	LC-MS/MS;	LC-MS/MS;	LC-MS/MS;	LC-MS/MS;
LC0007	AZ13B				
LC0008	AZ13B	LC-MS/MS; EN ISO 21676			LC-MS/MS; EN ISO 21676
LC0009	AZ13B	LC-MS/MS direct;	LC-MS/MS;	LC-MS/MS direct;	LC-MS/MS direct;
LC0010	AZ13B	LC-MS/MS direct; EN ISO 21676	LC-MS/MS direct; EN ISO 21676		
LC0011	AZ13B	LC-MS/MS direct;	LC-MS/MS direct;		LC-MS/MS direct;
LC0012	AZ13B	LC-MS/MS direct; EN ISO 21676			LC-MS/MS direct; EN ISO 21676
LC0013	AZ13B	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36		
LC0014	AZ13B	LC-MS/MS direct; EN ISO 21676	LC-MS/MS direct; EN ISO 21676	LC-MS/MS direct; EN ISO 21676	LC-MS/MS direct; EN ISO 21676
LC0015	AZ13B	LC-MS/MS direct; EN ISO 21676		LC-MS/MS direct; EN ISO 21676	LC-MS/MS direct; EN ISO 21676
LC0016	AZ13B	LC-HRMS; housemethod	LC-HRMS; housemethod		LC-HRMS; housemethod
LC0017	AZ13B	LC-MS/MS; housemethod	LC-MS/MS; housemethod		LC-MS/MS; housemethod
LC0018	AZ13B	LC-MS/MS direct;			LC-MS/MS direct;
LC0019	AZ13B	LC-MS/MS;			LC-MS/MS;
LC0020	AZ13B	LC-MS/MS direct; EN ISO 21676			
LC0021	AZ13B	LC-MS/MS direct; DIN 38407-47			LC-MS/MS direct; DIN 38407-47

LabCode	Sample	Ibuprofen	Iopamidol	Metoprolol	Saccharin
LC0001	AZ13B	LC-MS/MS;			housemethod;
LC0002	AZ13B	LC-MS/MS direct;	LC-MS/MS direct;	LC-MS/MS direct;	

LC0004	AZ13B	LC-MS/MS direct; EN ISO 21676			LC-MS/MS direct; EN ISO 21676
LC0005	AZ13B	LC-MS/MS direct;	LC-MS/MS direct;	LC-MS/MS direct;	LC-MS/MS direct;
LC0006	AZ13B		LC-MS/MS;	LC-MS/MS;	LC-MS/MS;
LC0007	AZ13B				
LC0008	AZ13B	LC-MS/MS; EN ISO 21676	LC-MS/MS; EN ISO 21676	LC-MS/MS; EN ISO 21676	
LC0009	AZ13B		LC-MS/MS;		LC-MS/MS;
LC0010	AZ13B			LC-MS/MS direct; EN ISO 21676	
LC0011	AZ13B		LC-MS/MS direct;	LC-MS/MS direct;	LC-MS/MS direct;
LC0012	AZ13B	LC-MS/MS direct; EN ISO 21676	LC-MS/MS direct; EN ISO 21676	LC-MS/MS direct; EN ISO 21676	
LC0013	AZ13B				LC-MS/MS direct; DIN 38407-36
LC0014	AZ13B	LC-MS/MS direct; EN ISO 21676	LC-MS/MS direct; EN ISO 21676	LC-MS/MS direct; EN ISO 21676	LC-MS/MS; housemethod
LC0015	AZ13B	LC-MS/MS direct; EN ISO 21676	LC-MS/MS direct; EN ISO 21676	LC-MS/MS direct; EN ISO 21676	
LC0016	AZ13B	LC-HRMS; housemethod	LC-HRMS; housemethod	LC-HRMS; housemethod	LC-HRMS; housemethod
LC0017	AZ13B	LC-MS/MS; housemethod	LC-MS/MS; housemethod		LC-MS/MS; housemethod
LC0018	AZ13B	LC-MS/MS direct;	LC-MS/MS direct;	LC-MS/MS direct;	LC-MS/MS direct;
LC0019	AZ13B	LC-MS/MS;		LC-MS/MS;	
LC0020	AZ13B				
LC0021	AZ13B	LC-MS/MS direct; DIN 38407-47	LC-MS/MS direct; DIN 38407-47	LC-MS/MS direct; DIN 38407-47	

LabCode	Sample	Sotalol	Sucralose	Sulfamethoxazole
LC0001	AZ13B		housemethod;	
LC0002	AZ13B	LC-MS/MS direct;	LC-MS/MS direct;	LC-MS/MS direct;
LC0004	AZ13B		LC-MS/MS direct; EN ISO 21676	LC-MS/MS direct; EN ISO 21676
LC0005	AZ13B	LC-MS/MS direct;		LC-MS/MS direct;

LC0006	AZ13B	LC-MS/MS;	LC-MS/MS;	LC-MS/MS;
LC0007	AZ13B			LC-MS/MS direct;
LC0008	AZ13B	LC-MS/MS; EN ISO 21676		LC-MS/MS; EN ISO 21676
LC0009	AZ13B	LC-MS/MS direct;	LC-MS/MS;	LC-MS/MS direct;
LC0010	AZ13B	LC-MS/MS direct; EN ISO 21676		LC-MS/MS direct; EN ISO 21676
LC0011	AZ13B	LC-MS/MS direct;	LC-MS/MS direct;	LC-MS/MS direct;
LC0012	AZ13B	LC-MS/MS direct; EN ISO 21676	LC-MS/MS; housemethod	LC-MS/MS direct; EN ISO 21676
LC0013	AZ13B		LC-MS/MS direct; DIN 38407-36	
LC0014	AZ13B	LC-MS/MS direct; EN ISO 21676	LC-MS/MS; housemethod	LC-MS/MS direct; EN ISO 21676
LC0015	AZ13B	LC-MS/MS direct; EN ISO 21676		LC-MS/MS direct; EN ISO 21676
LC0016	AZ13B	LC-HRMS; housemethod		LC-HRMS; housemethod
LC0017	AZ13B		LC-MS/MS; housemethod	LC-MS/MS; housemethod
LC0018	AZ13B	LC-MS/MS direct;	LC-MS/MS direct;	LC-MS/MS direct;
LC0019	AZ13B	LC-MS/MS;		LC-MS/MS;
LC0020	AZ13B			
LC0021	AZ13B			LC-MS/MS direct; DIN 38407-47