umweltbundesamt
ENVIRONMENT AGENCY AUSTRIA

Proficiency Testing Scheme für die Wasseranalytik - Realproben

AZ12 Arzneimittel, Industriechemikalien und Zuckerersatzstoffe

Proficiency Testing Scheme for Water Analysis - natural water samples

AZ12 Pharmaceuticals, industrial chemicals and artificial sweeteners

BERICHT / REPORT

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D1. Beschreibung des Ringversuchs

D1.1. Ausgestaltung und Durchführung

- Anzahl der Anmeldungen: 16
- Anzahl der übermittelten Datensätze: 16
- Probenversand: 11.03.2025
- Einsendeschluss der Daten: 08.04.2025

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 07.03.2025. Das Probenmaterial umfasste:

- 1 Probe Oberflächenwasser (AZ12 A)
- 1 Probe gereinigtes Abwasser (AZ12 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 11.03.2025 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 19.03.2025 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 parameterorientieren Auswertung (E7) in Form von Mittelwerten ± Messunsicherheit als Kontrollwert (control test value) ± 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 2024.

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 08.04.2025 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 h aufgefordert.

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

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

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

Bei sehr hohen Streuungen der 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:

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

Dabei ist:

x_i	Messergebnis des teilnehmenden Labors
$\overline{X}$	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.
Kriterium	Vergleichsstandardabweichung berechnet aus den Statistiken für reale Wasserproben der vorangegangenen Runden im Zeitraum 2013 bis 2024 (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:

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

Dabei ist:

x_i	Messergebnis des teilnehmenden Labors
$\overline{X}$	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-Score| ≤ 2.0 Ergebnis gut
- 2.0 < |z-Score| < 3.0 Ergebnis fragwürdig
- |z-Score| ≥ 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-Score| ≤ 1.0 zufriedenstellende Leistung
- |E_n-Score| > 1.0 nicht zufriedenstellende Leistung

Hinweis: Bei der Bewertung mittels E_n-Score erfolgt die Berücksichtigung der erweiterten Messunsicherheiten der Teilnehmenden und des zugewiesenen Wertes. |E_n-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 (± 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 laborientierten Auswertung werden pro Labor in anonymisierter Form die Ergebnisse der einzelnen Labore als Messergebnis ± 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 laborientierten 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 über aktuell 12 Eignungsprüfungsrunden (2013–2024) in Realproben wurden Kriterien (RSDpool) zur Ergebnisbewertung berechnet. Diese wurden im Zuge der Auswertung den relativen Vergleichs-standardabweichungen (vR) des aktuellen Ringversuchs gegenübergestellt.

Parameter Benzotriazol, Acesulfam, Amidotrizoesäure, Atenolol, Carbamazepin, Ibuprofen, Iopamidol, Metoprolol, Saccharin, Sotalol, Sucralose und Sulfamethoxazol bei Probe AZ12 A und Parameter Benzotriazol, Acesulfam, Amidotrizoesäure, Atenolol, Carbamazepin, Cyclamat, Diclofenac, Ibuprofen, Iopamidol, Metoprolol und Sotalol bei Probe AZ12 B: Bei diesen Parametern erfolgt die Berechnung der Scores nach D2.

Parameter Cyclamat und Diclofenac bei Probe AZ12 A und Parameter Sucralose und Sulfamethoxazol bei Probe AZ12 B: Für diese Parameter wurden relative Vergleichsstandardabweichungen (vR) der aktuellen Eignungsprüfungsrunde für die Bewertung gewählt.

Parameter 4-Acetylaminoantipyrin, 4-Formylaminoantipyrin, Bisoprolol, 10,11-Dihydro-10,11-Dihydroxycarbamazepin und Diazepam bei Probe AZ12 A und Parameter 4-Acetylaminoantipyrin, 4-Formylaminoantipyrin, Bisoprolol, 10,11-Dihydro-10,11-Dihydroxycarbamazepin, Diazepam und Saccharin bei Probe AZ12 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, ausreißer-bereinigt (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 ±	Mittelwert der Kontrollmessungen des Veranstalters ±
U (k=2)	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).

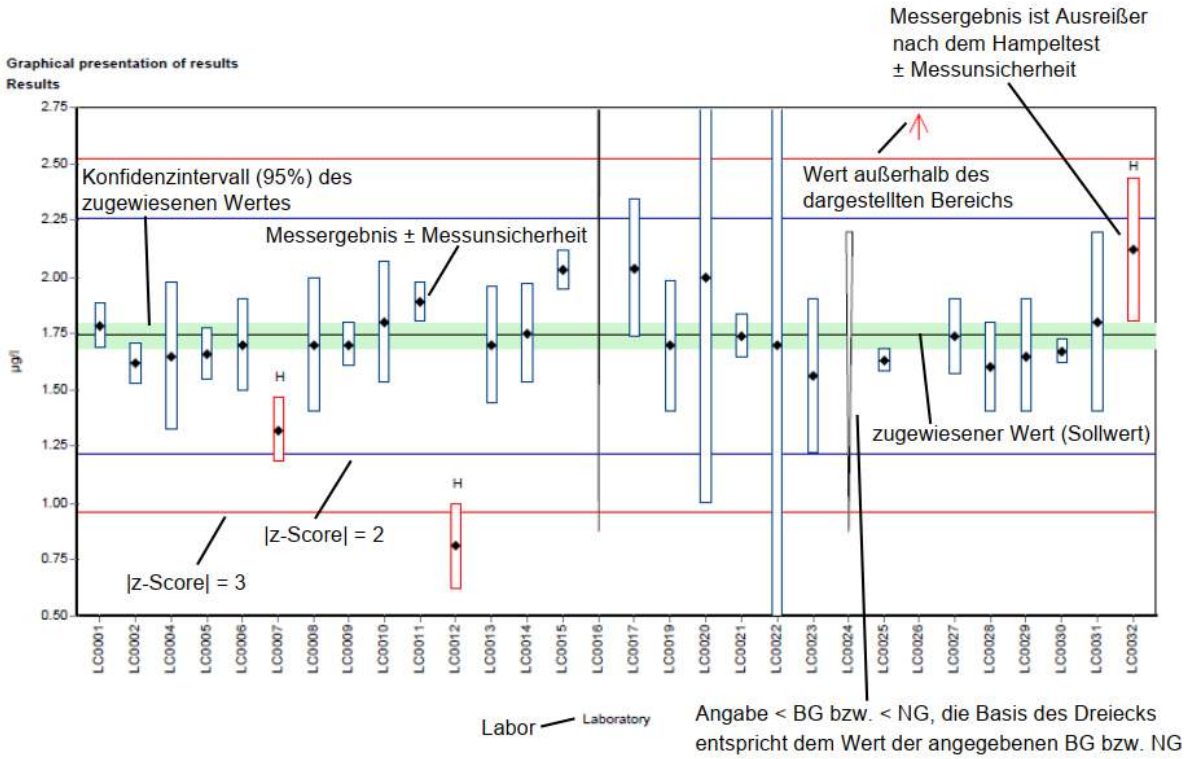
	Bei Eignungsprüfungsrunden mit Vorgabe von unabhängigen Mehrfachbestimmungen, entspricht dies dem berechneten Mittelwert aus den einzelnen Messwerten der Teilnehmenden.
± U	kombinierte Messunsicherheit ohne Erweiterungsfaktor (k=1) lt. Angabe der Teilnehmenden (maximal 5 Nachkommastellen dargestellt)
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 Bestimmungs- bzw. Nachweisgrenze dessen Betrag die Bedingungen eines Ausreißers nach dem Hampeltest erfüllt.
FP	Falsch positiv – Falls aufgrund des geringen Analytgehalts kein zugewiesener Wert ermittelt werden kann (n < 6), wird der Median der Beträge der übermittelten Nachweis- bzw. Bestimmungsgrenzen ermittelt. Als falsch positiv wird ein Messergebnis bewertet, welches diesen Median um mehr als 100 % übersteigt.
Standardabweichung	Vergleichsstandardabweichung berechnet aus den 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

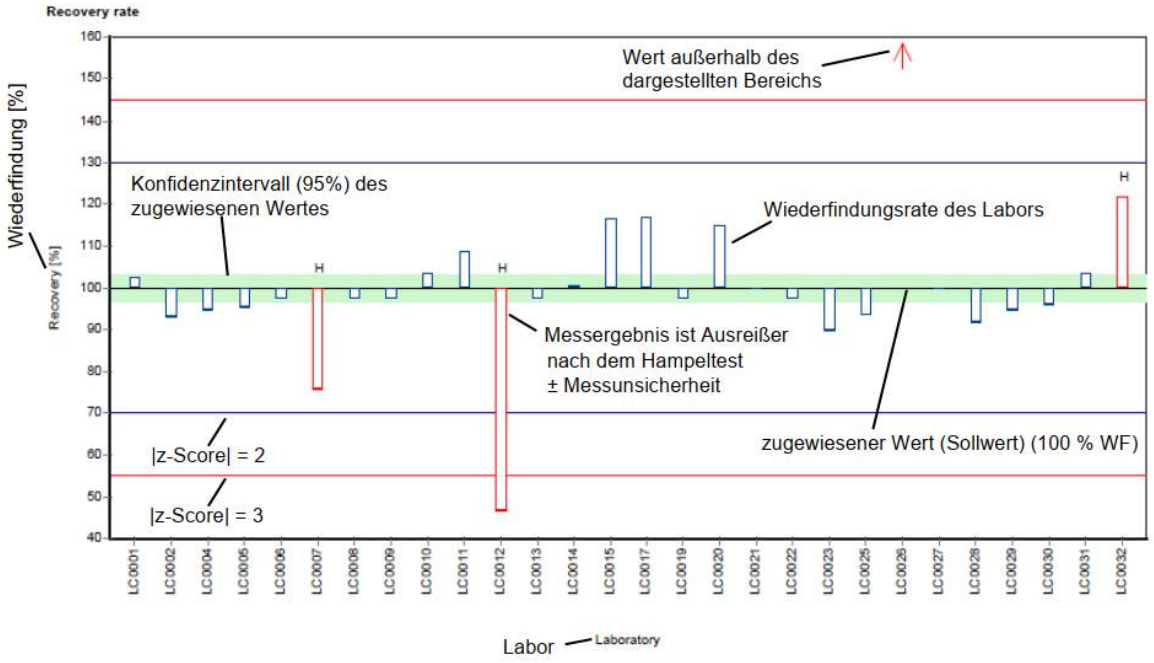
Nachfolgend wird die graphische Darstellung anhand von kommentierten Beispieldiagrammen erläutert.

Beispieldiagramm: Messwerte



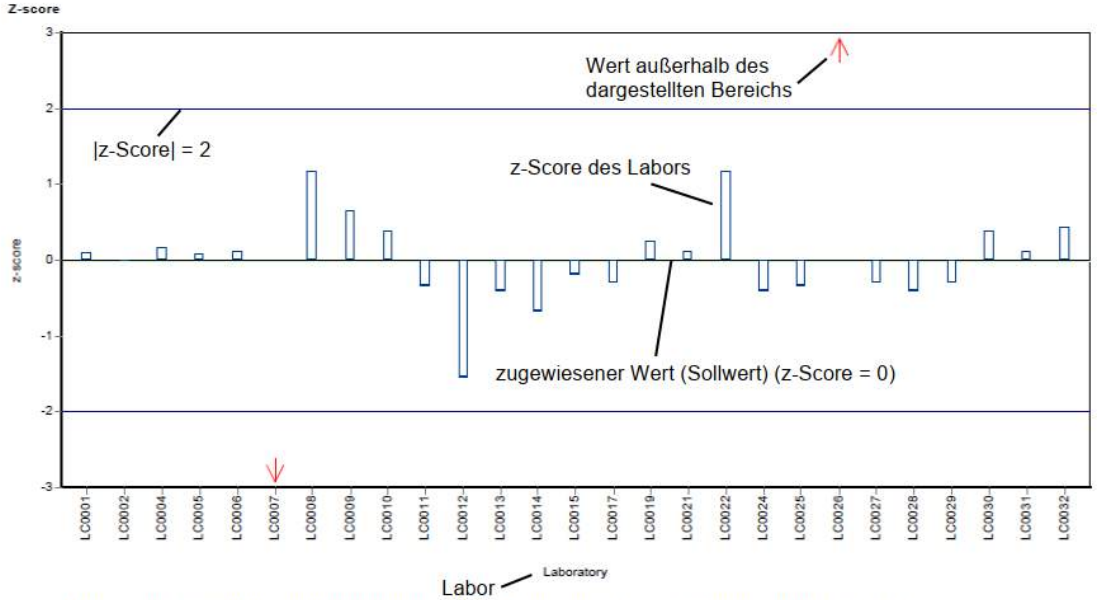
Unterschiedliche Analysenmethoden werden mit unterschiedlichen Farben kenntlich gemacht.

Beispieldiagramm: Wiederfindung zum zugewiesenen Wert



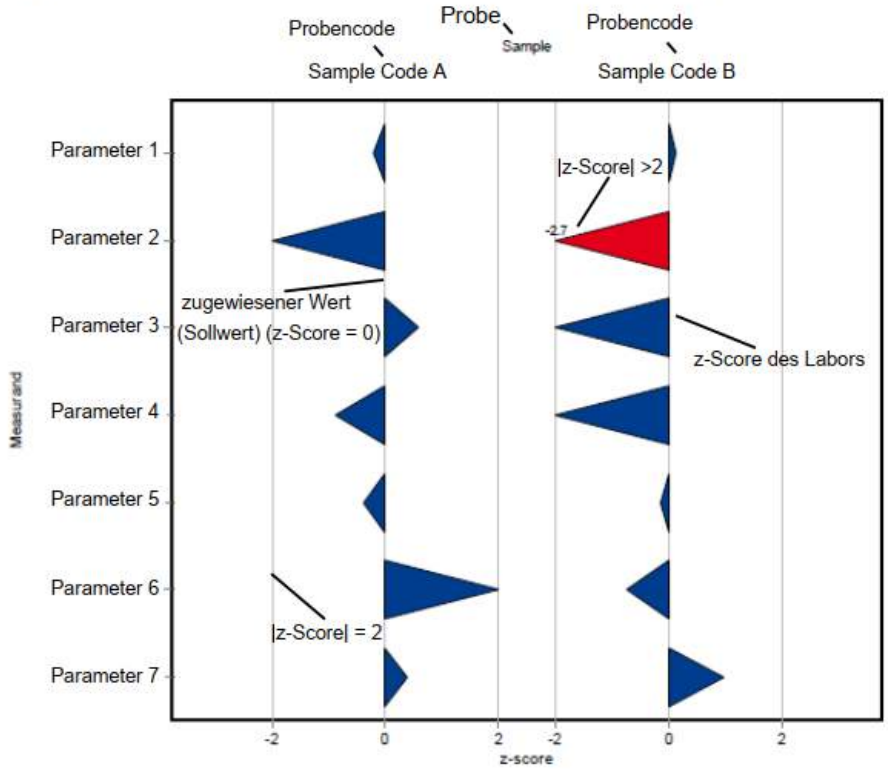
Unterschiedliche Analysenmethoden werden mit unterschiedlichen Farben kenntlich gemacht.

Beispieldiagramm: z-Score

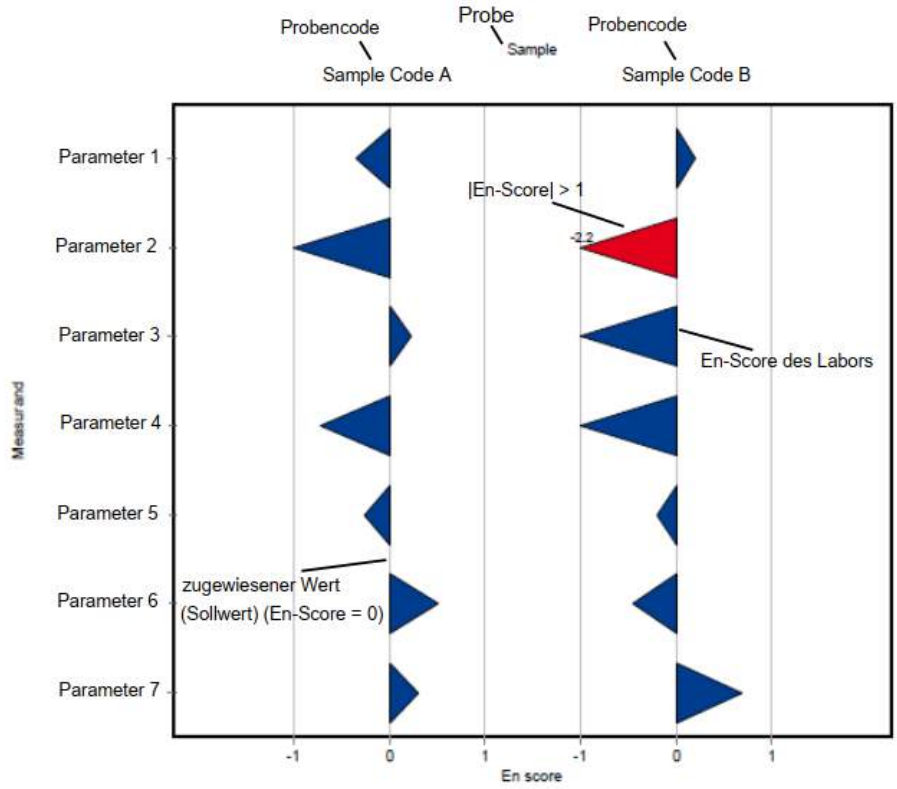


Unterschiedliche Analysenmethoden werden mit unterschiedlichen Farben kenntlich gemacht.

Beispieldiagramm: z-Score (laborientierte Auswertung)



Beispieldiagramm: En-Score (laborientierte Auswertung)



D6. Zusammenfassung

D6.1. Tabelle der zugewiesenen Werte

Parameter	Probe	Einheit	zugewiesener Wert	±	U (k=2)	Kriterium	Kriterium [%]
4-Acetylaminoantipyrin	AZ12 A*	µg/l	-	±	-	-	-
	AZ12 B*	µg/l	-	±	-	-	-
4-Formylaminoantipyrin	AZ12 A*	µg/l	-	±	-	-	-
	AZ12 B*	µg/l	-	±	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepin	AZ12 A*	µg/l	-	±	-	-	-
	AZ12 B*	µg/l	-	±	-	-	-
Acesulfam	AZ12 A	µg/l	0.245	±	0.0196	0.0416	17
	AZ12 B	µg/l	1.09	±	0.0597	0.185	17
Amidotrizoesäure	AZ12 A	µg/l	0.192	±	0.0133	0.0384	20
	AZ12 B	µg/l	1.19	±	0.0758	0.237	20
Atenolol	AZ12 A	µg/l	0.134	±	0.00737	0.0268	20
	AZ12 B	µg/l	0.222	±	0.0313	0.0445	20
Benzotriazol	AZ12 A	µg/l	0.294	±	0.013	0.0352	12
	AZ12 B	µg/l	7.12	±	0.405	0.855	12
Bisoprolol	AZ12 A*	µg/l	-	±	-	-	-
	AZ12 B*	µg/l	-	±	-	-	-
Carbamazepin	AZ12 A	µg/l	0.152	±	0.0109	0.0198	13
	AZ12 B	µg/l	0.405	±	0.0203	0.0527	13
Cyclamat	AZ12 A	µg/l	0.174	±	0.0371	0.0522	30
	AZ12 B	µg/l	0.16	±	0.0189	0.032	20
Diazepam	AZ12 A*	µg/l	-	±	-	-	-
	AZ12 B*	µg/l	-	±	-	-	-
Diclofenac	AZ12 A	µg/l	0.152	±	0.0295	0.0545	36
	AZ12 B	µg/l	3.24	±	0.195	0.454	14
Ibuprofen	AZ12 A	µg/l	0.285	±	0.0191	0.0342	12
	AZ12 B	µg/l	1.31	±	0.127	0.157	12
Iopamidol	AZ12 A	µg/l	0.516	±	0.0392	0.119	23
	AZ12 B	µg/l	43.5	±	2.59	10	23
Metoprolol	AZ12 A	µg/l	0.159	±	0.00712	0.0319	20
	AZ12 B	µg/l	0.188	±	0.0066	0.0375	20
Saccharin	AZ12 A	µg/l	0.324	±	0.0254	0.0485	15
	AZ12 B*	µg/l	-	±	-	-	-

Parameter	Probe	Einheit	zugewiesener Wert	±	U (k=2)	Kriterium	Kriterium [%]
Sotalol	AZ12 A	µg/l	0.194	±	0.0195	0.0427	22
	AZ12 B	µg/l	0.169	±	0.0253	0.0372	22
Sucralose	AZ12 A	µg/l	1.11	±	0.132	0.277	25
	AZ12 B	µg/l	26.2	±	5.79	8.11	31
Sulfamethoxazol	AZ12 A	µg/l	0.136	±	0.00741	0.0163	12
	AZ12 B	µg/l	0.339	±	0.0397	0.0745	22

* Für nachfolgende Substanzen liegen zu wenige Laborergebnisse vor (n<6), daher sind zur Information die berechneten Mittelwerte MW+/- 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-Acetylaminoantipyrin:
AZ12 A: MW (n=5) +/- U(k=2): 0.218 +/- 0.0221 µg/l
AZ12 B: MW (n=4) +/- U(k=2): 2.04 +/- 0.263 µg/l

4-Formylaminoantipyrin:
AZ12 A: MW (n=4; akkr.) +/- U(k=2): 0.223 +/- 0.0481 µg/l
AZ12 B: MW (n=4; akkr.) +/- U(k=2): 6.07 +/- 1.74 µg/l

10,11-Dihydro-10,11-Dihydroxycarbamazepin:
AZ12 A: MW (n=4; akkr.) +/- U(k=2): 0.335 +/- 0.027 µg/l
AZ12 B: MW (n=4; akkr.) +/- U(k=2): 0.912 +/- 0.195 µg/l

Bisoprolol:
AZ12 A: MW (n=5) +/- U(k=2): 0.151 +/- 0.0129 µg/l
AZ12 B: MW (n=5) +/- U(k=2): 0.366 +/- 0.0187 µg/l

Diazepam:
AZ12 A: MW (n=4; akkr.) +/- U(k=2): 0.458 +/- 0.028 µg/l
AZ12 B: MW (n=4; akkr.) +/- U(k=2): 0.529 +/- 0.0229 µg/l

Saccharin:
AZ12 B: MW (n=5; akkr.) +/- U(k=2): 3.42 +/- 0.282 µg/l

D6.2. Zusammenfassung der ausreißerbereinigten Ringversuchsergebnisse

Parameter	Probe	Anzahl Labors für	Anzahl Ausreißer	Einheit	Mittelwert	±	VB (99%)	Minimum	Maximum	sR	vR [%]
4-Acetylaminoantipyrin	AZ12 A	5	0	µg/l	-	±	-	0.197	0.26	-	-
	AZ12 B	4	1	µg/l	-	±	-	1.65	2.21	-	-
4-Formylaminoantipyrin	AZ12 A	4	0	µg/l	-	±	-	0.192	0.295	-	-
	AZ12 B	4	0	µg/l	-	±	-	3.95	8.2	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepin	AZ12 A	4	0	µg/l	-	±	-	0.298	0.361	-	-
	AZ12 B	4	0	µg/l	-	±	-	0.705	1.12	-	-
Acesulfam	AZ12 A	12	1	µg/l	0.245	±	0.0293	0.205	0.331	0.0339	14
	AZ12 B	10	3	µg/l	1.09	±	0.0896	0.982	1.32	0.0945	8.7
Amidotrizoesäure	AZ12 A	11	1	µg/l	0.192	±	0.02	0.138	0.219	0.0221	12
	AZ12 B	10	2	µg/l	1.19	±	0.114	1.01	1.41	0.12	10
Atenolol	AZ12 A	8	1	µg/l	0.134	±	0.0111	0.119	0.145	0.0104	7.8
	AZ12 B	9	0	µg/l	0.222	±	0.047	0.158	0.279	0.047	21
Benzotriazol	AZ12 A	12	1	µg/l	0.294	±	0.0196	0.25	0.327	0.0226	7.7
	AZ12 B	12	1	µg/l	7.12	±	0.608	6.17	8.24	0.702	9.9

Parameter	Probe	Anzahl Labors für	Anzahl Ausreißer	Einheit	Mittelwert	±	VB (99%)	Minimum	Maximum	sR	vR [%]
Bisoprolol	AZ12 A	5	1	µg/l	-	±	-	0.13	0.163	-	-
	AZ12 B	5	1	µg/l	-	±	-	0.344	0.391	-	-
Carbamazepin	AZ12 A	13	2	µg/l	0.152	±	0.0164	0.109	0.189	0.0197	13
	AZ12 B	13	2	µg/l	0.405	±	0.0305	0.341	0.472	0.0366	9
Cyclamat	AZ12 A	8	0	µg/l	0.174	±	0.0557	0.117	0.265	0.0525	30
	AZ12 B	7	1	µg/l	0.16	±	0.0284	0.127	0.188	0.025	16
Diazepam	AZ12 A	4	0	µg/l	-	±	-	0.434	0.487	-	-
	AZ12 B	4	0	µg/l	-	±	-	0.511	0.561	-	-
Diclofenac	AZ12 A	14	0	µg/l	0.152	±	0.0442	0.045	0.25	0.0551	36
	AZ12 B	12	2	µg/l	3.24	±	0.293	2.83	3.8	0.338	10
Ibuprofen	AZ12 A	8	2	µg/l	0.285	±	0.0286	0.24	0.32	0.027	9.5
	AZ12 B	8	2	µg/l	1.31	±	0.191	1.15	1.6	0.18	14
Iopamidol	AZ12 A	10	1	µg/l	0.516	±	0.0587	0.427	0.62	0.0619	12
	AZ12 B	10	1	µg/l	43.5	±	3.88	35.9	50.8	4.09	9.4
Metoprolol	AZ12 A	10	1	µg/l	0.159	±	0.0107	0.14	0.181	0.0113	7.1
	AZ12 B	10	1	µg/l	0.188	±	0.0099	0.176	0.206	0.0104	5.6

Parameter	Probe	Anzahl Labors für	Anzahl Ausreißer	Einheit	Mittelwert	±	VB (99%)	Minimum	Maximum	sR	vR [%]
Saccharin	AZ12 A	6	1	µg/l	0.324	±	0.038	0.28	0.352	0.0311	9.6
	AZ12 B	5	2	µg/l	-	±	-	3.05	3.76	-	-
Sotalol	AZ12 A	11	0	µg/l	0.194	±	0.0293	0.144	0.262	0.0324	17
	AZ12 B	11	0	µg/l	0.169	±	0.0379	0.129	0.249	0.0419	25
Sucralose	AZ12 A	9	1	µg/l	1.11	±	0.197	0.828	1.42	0.197	18
	AZ12 B	8	1	µg/l	26.2	±	8.68	9.42	33.4	8.18	31
Sulfamethoxazol	AZ12 A	13	1	µg/l	0.136	±	0.0111	0.114	0.158	0.0134	9.8
	AZ12 B	14	0	µg/l	0.339	±	0.0595	0.208	0.448	0.0742	22

E1. Description of the proficiency test

E1.1. Design and implementation

- Number of registrations: 16
- Number of submitted data records: 16
- Dispatch of samples: March 11th, 2025
- Closing date for submission of data: April 8th, 2025

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 7th, 2025.

The following samples were made available

- 1 sample surface water (AZ12 A)
- 1 sample municipal waste water (AZ12 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 11th of March 2025.

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 19th of March 2025 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 ± expanded measurement uncertainty as control test value ± 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 2024.

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 8th of April 2025. Any values received at a later date were not considered.

In the course of the plausibility assessment of all received data (e.g. check for correct units, indication of measurement uncertainty, …) the participants with noticeable

results were asked to perform a subsequent data check and to give a prompt feedback within 24 h.

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

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

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

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

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

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

E2. Criteria of performance evaluation

E2.1. Performance criterion z-Score

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

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

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

In this context,

x_i is the measurement value (result) of the participating laboratory;

$\overline{X}$ assigned value
the target value for the assessment of the performance of the participants (3 significant digits), normally the average value of the participants' results after removal of outliers; if this approach is not applicable, the target value is assigned according to the procedure given in section E4

Criteria is the reproducibility standard deviation calculated from previous rounds for proficiency testing for real water samples from 2013 to 2024 (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 criteria is defined by expert judgement and the procedure is clearly described in section E4 of the report.

E2.2. Performance criterion E_n-Score

In addition, an assessment of the participants' results using E_n-Scores for proficiency testing of real water samples is performed. This additional assessment takes into account the expanded measurement uncertainties of the participants results and the expanded uncertainty of the assigned value and is provided in the laboratory oriented part of the report (see E8 after the z-scores evaluation).

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

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

In this context,

x_i is the measurement value (result) of the participating laboratory

$\overline{X}$ 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-Score| ≤ 2.0 good result
- 2.0 < |z-Score| < 3.0 questionable result
- |z-Score| ≥ 3.0 unsatisfactory result

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

Interpretation of E_n-Scores:

- $|E_n$-Score| ≤ 1.0 satisfactory performance
- $|E_n$-Score| > 1.0 unsatisfactory performance

Note: In case of assessment of the participants' performance by E_n-Scores the expanded measurement uncertainties for the results and for the assigned values are taken into account. IE_n-ScoreI > 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 (± 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 (± 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 12 proficiency testing rounds (2013–2024 in real samples, evaluation criteria (RSDpool) were calculated.
These criteria were compared with the relative reproducibility standard deviation (vR) of the current proficiency testing.

Parameters benzotriazole, acesulfame, amidotrizoic acid, atenolol, carbamazepine, ibuprofen, iopamidol, metoprolol, saccharin, sotalol, sucralose and sulfamethoxazole for sample AZ12 A and parameters benzotriazole, acesulfame, amidotrizoic acid, atenolol, carbamazepine, cyclamate, diclofenac, ibuprofen, iopamidol, metoprolol and sotalol for sample AZ12 B: Scores for all listed parameters were calculated according to E2.

Parameters cyclamate and diclofenac for sample AZ12 A and parameters sucralose and sulfamethoxazole for sample AZ12 B: For these parameters the relative reproducibility standard deviations (vR) of the current proficiency testing round were chosen for assessment.

Parameters 4-acetylaminoantipyrine, 4-formylaminoantipyrine, bisoprolol, 10,11-dihydro-10,11-dihydroxycarbamazepine and diazepam for sample AZ12 A and parameters 4-acetylaminoantipyrine, 4-formylaminoantipyrine, bisoprolol, 10,11-dihydro-10,11-dihydroxycarbamazepine, diazepam and saccharin for sample AZ12 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

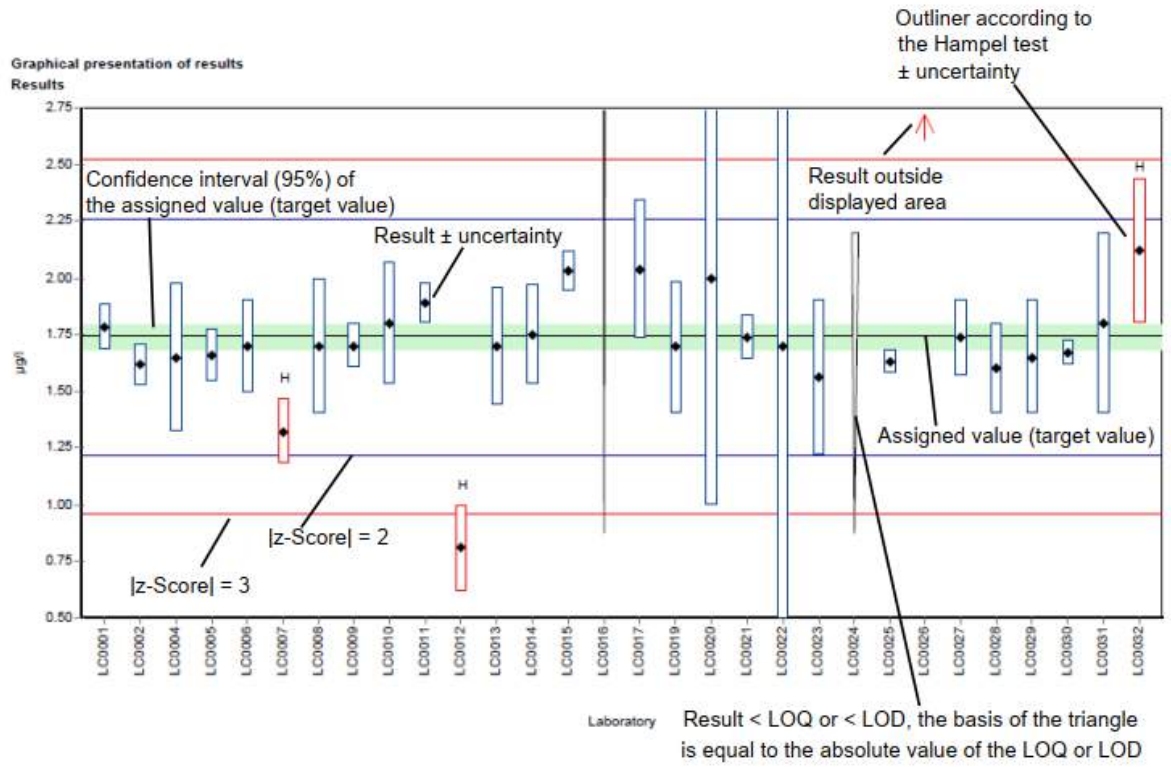
Parameter	Analyte identifier
Sample	Sample identifier
Unit	Given unit for result and uncertainty (e.g. µg/l)
Assigned value	Target value for proficiency assessment of the participants (3 significant digits)
U (k=2)	Expanded uncertainty (k=2) of the assigned value (3 significant digits)
Criteria	Specified 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 participants results, without outliers (3 significant digits)
CI (99 %)	99 % confidence interval (3 significant digits)
Minimum	Minimum of all submitted results, after removal of outliers (3 significant digits)
Maximum	Maximum of all submitted results, after removal of outliers (3 significant digits)
SD	Reproducibility standard deviation, calculated from the participants results, after removal of outliers (3 significant digits)
RSD %	Reproducibility standard deviation, calculated from the participants results relative to the target value, given in %, after removal of outliers (2 significant digits)
Control test value ± U (k=2)	Mean of control test value ± expanded measurement uncertainty (3 significant digits)
Labcode	Laboratory identifier (anonymized)
Result	Result as indicated by participant (max. 5 decimal places)
± U	combined measurement uncertainty without expansion factor (k=1), as indicated by participant (max. 5 decimal places)
LOQ	Limit of quantification
LOD	Limit of detection
Recovery	Recovery rate in % based on assigned value (target value) (3 significant digits, max. one decimal place given)
z-Score	Deviation of result based on the assigned value (target value) given as a multiple of the criteria (3 significant digits, max. 2 decimal places given)
E_n-Score	Deviation of result based on the assigned value (target value) given as a multiple of the combined expanded

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

E5.2. Graphical presentation of results

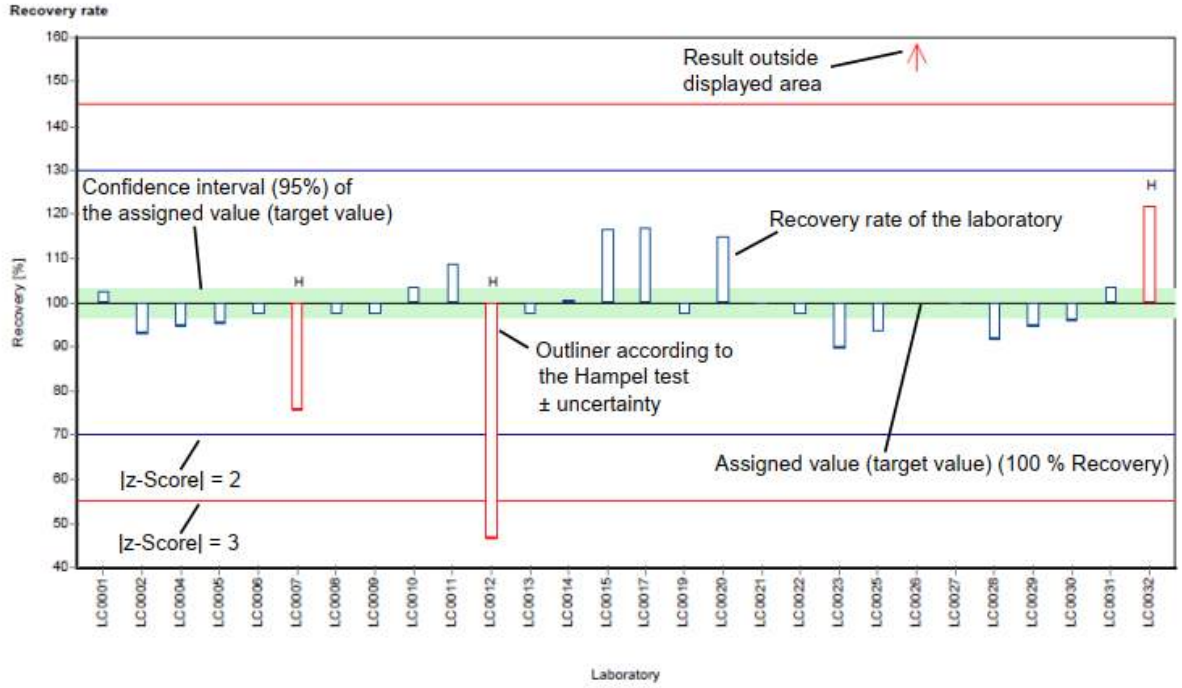
The graphic representation in the report is explained below by means of commented example diagrams:

Example chart: Results



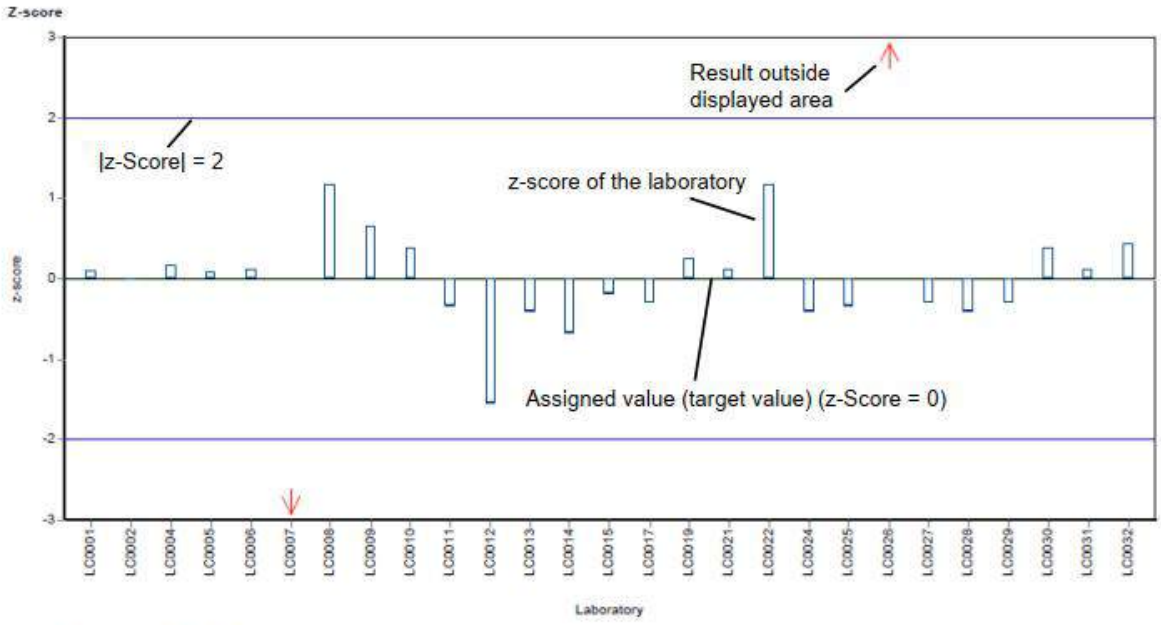
Different analysis methods are represented with different colors.

Example chart: Recovery



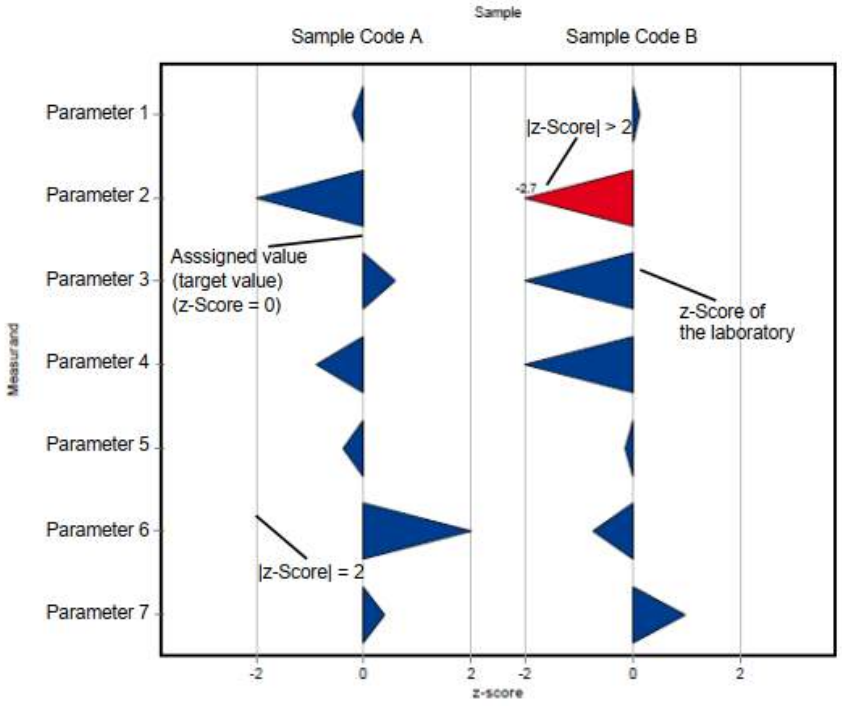
Different analysis methods are represented with different colors.

Example chart: z-Score

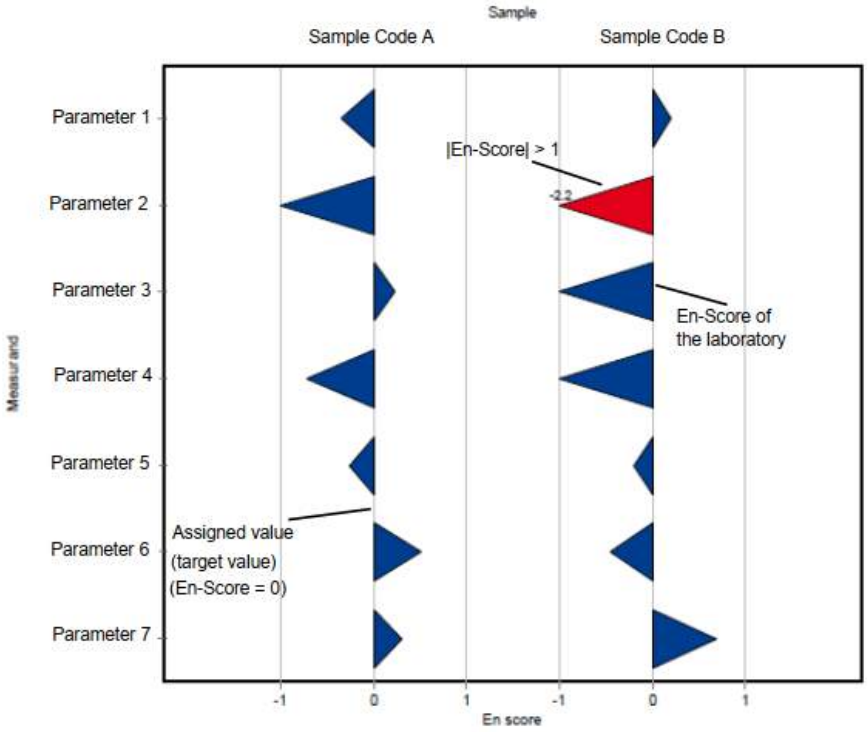


Different analysis methods are represented with different colors.

Example chart: z-Score (laboratory oriented report)



Example chart: En-Score (laboratory oriented report)



E6. Summary

E6.1. Table of assigned values

Parameter	Sample	Unit	Assigned value	±	U (k=2)	Criterion	Criterion [%]
4-Acetylaminoantipyrine	AZ12 A*	µg/l	-	±	-	-	-
	AZ12 B*	µg/l	-	±	-	-	-
4-Formylaminoantipyrine	AZ12 A*	µg/l	-	±	-	-	-
	AZ12 B*	µg/l	-	±	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	AZ12 A*	µg/l	-	±	-	-	-
	AZ12 B*	µg/l	-	±	-	-	-
Acesulfame	AZ12 A	µg/l	0.245	±	0.0196	0.0416	17
	AZ12 B	µg/l	1.09	±	0.0597	0.185	17
Amidotrizoic acid	AZ12 A	µg/l	0.192	±	0.0133	0.0384	20
	AZ12 B	µg/l	1.19	±	0.0758	0.237	20
Atenolol	AZ12 A	µg/l	0.134	±	0.00737	0.0268	20
	AZ12 B	µg/l	0.222	±	0.0313	0.0445	20
Benzotriazole	AZ12 A	µg/l	0.294	±	0.013	0.0352	12
	AZ12 B	µg/l	7.12	±	0.405	0.855	12
Bisoprolol	AZ12 A*	µg/l	-	±	-	-	-
	AZ12 B*	µg/l	-	±	-	-	-
Carbamazepine	AZ12 A	µg/l	0.152	±	0.0109	0.0198	13
	AZ12 B	µg/l	0.405	±	0.0203	0.0527	13
Cyclamate	AZ12 A	µg/l	0.174	±	0.0371	0.0522	30
	AZ12 B	µg/l	0.16	±	0.0189	0.032	20
Diazepam	AZ12 A*	µg/l	-	±	-	-	-
	AZ12 B*	µg/l	-	±	-	-	-
Diclofenac	AZ12 A	µg/l	0.152	±	0.0295	0.0545	36
	AZ12 B	µg/l	3.24	±	0.195	0.454	14
Ibuprofen	AZ12 A	µg/l	0.285	±	0.0191	0.0342	12
	AZ12 B	µg/l	1.31	±	0.127	0.157	12

Parameter	Sample	Unit	Assigned value	±	U (k=2)	Criterion	Criterion [%]
Iopamidol	AZ12 A	µg/l	0.516	±	0.0392	0.119	23
	AZ12 B	µg/l	43.5	±	2.59	10	23
Metoprolol	AZ12 A	µg/l	0.159	±	0.00712	0.0319	20
	AZ12 B	µg/l	0.188	±	0.0066	0.0375	20
Saccharin	AZ12 A	µg/l	0.324	±	0.0254	0.0485	15
	AZ12 B*	µg/l	-	±	-	-	-
Sotalol	AZ12 A	µg/l	0.194	±	0.0195	0.0427	22
	AZ12 B	µg/l	0.169	±	0.0253	0.0372	22
Sucralose	AZ12 A	µg/l	1.11	±	0.132	0.277	25
	AZ12 B	µg/l	26.2	±	5.79	8.11	31
Sulfamethoxazole	AZ12 A	µg/l	0.136	±	0.00741	0.0163	12
	AZ12 B	µg/l	0.339	±	0.0397	0.0745	22

* 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-Acetylaminoantipyrine
AZ12 A: MV (n=5) +/- U(k=2): 0.218 +/- 0.0221 µg/l
AZ12 B: MV (n=4) +/- U(k=2): 2.04 +/- 0.263 µg/l

4-Formylaminoantipyrine
AZ12 A: MV (n=4; accr.) +/- U(k=2): 0.223 +/- 0.0481 µg/l
AZ12 B: MV (n=4; accr.) +/- U(k=2): 6.07 +/- 1.74 µg/l

10,11-Dihydro-10,11-Dihydroxycarbamazepine
AZ12 A: MV (n=4; accr.) +/- U(k=2): 0.335 +/- 0.027 µg/l
AZ12 B: MV (n=4; accr.) +/- U(k=2): 0.912 +/- 0.195 µg/l

Bisoprolol
AZ12 A: MV (n=5) +/- U(k=2): 0.151 +/- 0.0129 µg/l
AZ12 B: MV (n=5) +/- U(k=2): 0.366 +/- 0.0187 µg/l

Diazepam
AZ12 A: MV (n=4; accr.) +/- U(k=2): 0.458 +/- 0.028 µg/l
AZ12 B: MV (n=4; accr.) +/- U(k=2): 0.529 +/- 0.0229 µg/l

Saccharin
AZ12 B: MV (n=5; accr.) +/- U(k=2): 3.42 +/- 0.282 µg/l

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

Parameter	Sample	Number of results for	Number of outliers	Unit	Mean	±	CI (99%)	Minimum	Maximum	sR	vR [%]
4-Acetylaminoantipyrine	AZ12 A	5	0	µg/l	-	±	-	0.197	0.26	-	-
	AZ12 B	4	1	µg/l	-	±	-	1.65	2.21	-	-
4-Formylaminoantipyrine	AZ12 A	4	0	µg/l	-	±	-	0.192	0.295	-	-
	AZ12 B	4	0	µg/l	-	±	-	3.95	8.2	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	AZ12 A	4	0	µg/l	-	±	-	0.298	0.361	-	-
	AZ12 B	4	0	µg/l	-	±	-	0.705	1.12	-	-
Acesulfame	AZ12 A	12	1	µg/l	0.245	±	0.0293	0.205	0.331	0.0339	14
	AZ12 B	10	3	µg/l	1.09	±	0.0896	0.982	1.32	0.0945	8.7
Amidotrizoic acid	AZ12 A	11	1	µg/l	0.192	±	0.02	0.138	0.219	0.0221	12
	AZ12 B	10	2	µg/l	1.19	±	0.114	1.01	1.41	0.12	10
Atenolol	AZ12 A	8	1	µg/l	0.134	±	0.0111	0.119	0.145	0.0104	7.8
	AZ12 B	9	0	µg/l	0.222	±	0.047	0.158	0.279	0.047	21
Benzotriazole	AZ12 A	12	1	µg/l	0.294	±	0.0196	0.25	0.327	0.0226	7.7
	AZ12 B	12	1	µg/l	7.12	±	0.608	6.17	8.24	0.702	9.9
Bisoprolol	AZ12 A	5	1	µg/l	-	±	-	0.13	0.163	-	-

Parameter	Sample	Number of results for	Number of outliers	Unit	Mean	±	CI (99%)	Minimum	Maximum	sR	vR [%]
Bisoprolol	AZ12 B	5	1	µg/l	-	±	-	0.344	0.391	-	-
Carbamazepine	AZ12 A	13	2	µg/l	0.152	±	0.0164	0.109	0.189	0.0197	13
	AZ12 B	13	2	µg/l	0.405	±	0.0305	0.341	0.472	0.0366	9
Cyclamate	AZ12 A	8	0	µg/l	0.174	±	0.0557	0.117	0.265	0.0525	30
	AZ12 B	7	1	µg/l	0.16	±	0.0284	0.127	0.188	0.025	16
Diazepam	AZ12 A	4	0	µg/l	-	±	-	0.434	0.487	-	-
	AZ12 B	4	0	µg/l	-	±	-	0.511	0.561	-	-
Diclofenac	AZ12 A	14	0	µg/l	0.152	±	0.0442	0.045	0.25	0.0551	36
	AZ12 B	12	2	µg/l	3.24	±	0.293	2.83	3.8	0.338	10
Ibuprofen	AZ12 A	8	2	µg/l	0.285	±	0.0286	0.24	0.32	0.027	9.5
	AZ12 B	8	2	µg/l	1.31	±	0.191	1.15	1.6	0.18	14
Iopamidol	AZ12 A	10	1	µg/l	0.516	±	0.0587	0.427	0.62	0.0619	12
	AZ12 B	10	1	µg/l	43.5	±	3.88	35.9	50.8	4.09	9.4
Metoprolol	AZ12 A	10	1	µg/l	0.159	±	0.0107	0.14	0.181	0.0113	7.1
	AZ12 B	10	1	µg/l	0.188	±	0.0099	0.176	0.206	0.0104	5.6
Saccharin	AZ12 A	6	1	µg/l	0.324	±	0.038	0.28	0.352	0.0311	9.6

Parameter	Sample	Number of results for	Number of outliers	Unit	Mean	±	CI (99%)	Minimum	Maximum	sR	vR [%]
Saccharin	AZ12 B	5	2	µg/l	-	±	-	3.05	3.76	-	-
Sotalol	AZ12 A	11	0	µg/l	0.194	±	0.0293	0.144	0.262	0.0324	17
	AZ12 B	11	0	µg/l	0.169	±	0.0379	0.129	0.249	0.0419	25
Sucralose	AZ12 A	9	1	µg/l	1.11	±	0.197	0.828	1.42	0.197	18
	AZ12 B	8	1	µg/l	26.2	±	8.68	9.42	33.4	8.18	31
Sulfamethoxazole	AZ12 A	13	1	µg/l	0.136	±	0.0111	0.114	0.158	0.0134	9.8
	AZ12 B	14	0	µg/l	0.339	±	0.0595	0.208	0.448	0.0742	22

E7. Parameterorientierte Auswertung / Parameter oriented report

Parameter oriented report

AZ12 A

4-Acetylaminoantipyrine*

Unit	µg/l
Assigned value ± U (k=2)	-
Criterion	-
Minimum - Maximum	0.197 - 0.26
Control test value ± U (k=2)	0.180 ± 0.0541

*The calculated mean value MV +/- U(k=2) based on the data of the laboratories (n) after outlier removal is listed for information.

This can be used for comparison as part of your internal QA measures: MV (n=5) +/- U(k=2): 0.218 +/- 0.0221 µg/l

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	0.206	0.052	-	-	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	-	-	-	-	
LC0006	-	-	-	-	
LC0007	-	-	-	-	
LC0008	0.197	0.079	-	-	
LC0009	-	-	-	-	
LC0010	-	-	-	-	
LC0011	0.217	0.0217	-	-	
LC0012	0.26	0.03042	-	-	
LC0013	-	-	-	-	
LC0014	-	-	-	-	
LC0015	-	-	-	-	
LC0016	0.208	0.0229	-	-	

Characteristics of parameter

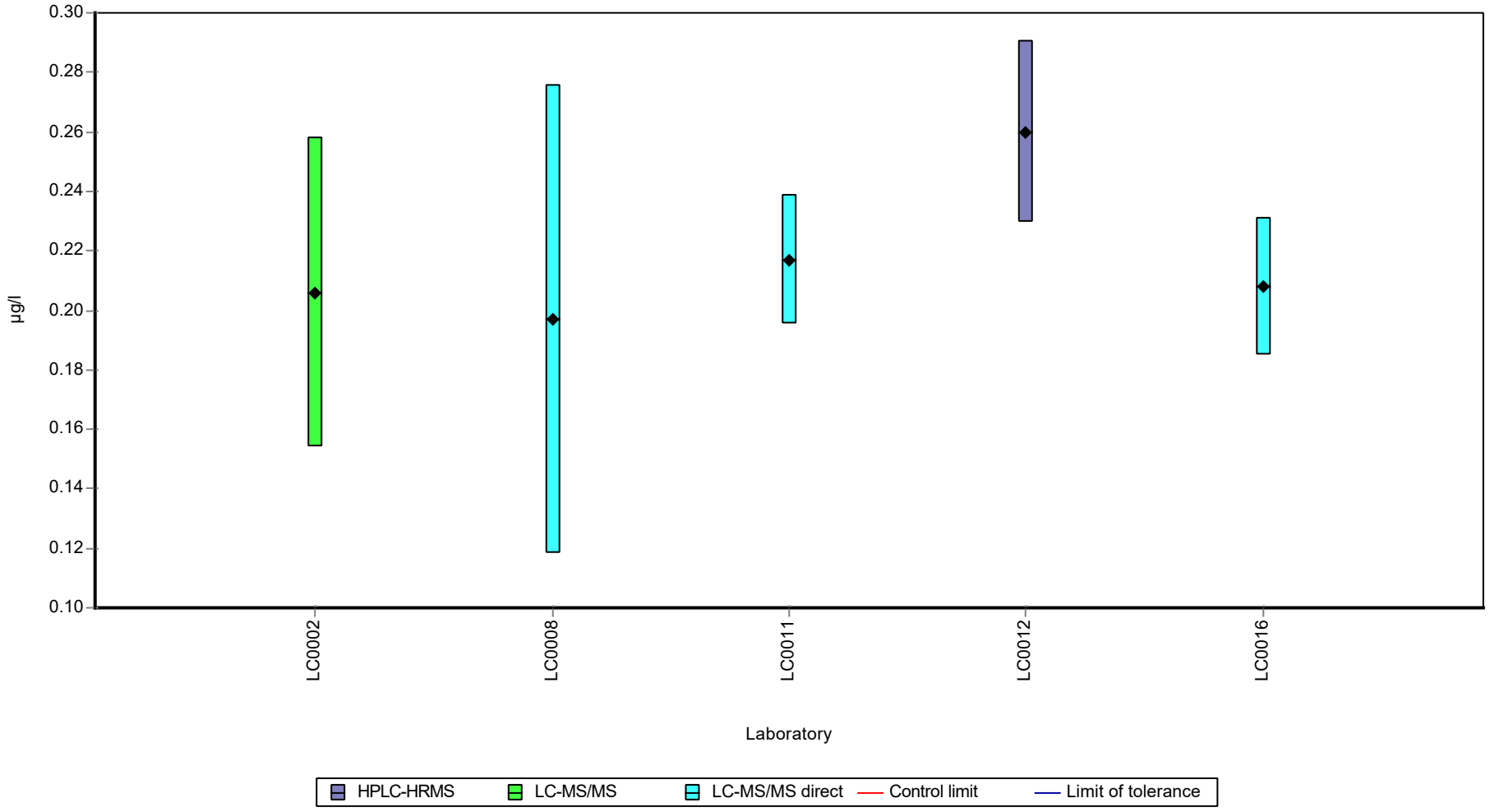
	all results	w ithout outliers	Unit
Mean ± CI (99%)	0.218 ± 0.0332	-	µg/l
Minimum	0.197	0.197	µg/l
Maximum	0.26	0.26	µg/l
Standard deviation	0.0247	-	µg/l
rel. standard deviation	11.4	-	%
n	5	5	-

Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12

Sample: AZ12A, Parameter: 4-Acetylaminoantipyrine

Graphical presentation of results

Results



Parameter oriented report

AZ12 B

4-Acetylaminoantipyrine*

Unit	µg/l
Assigned value ± U (k=2)	-
Criterion	-
Minimum - Maximum	1.65 - 2.21
Control test value ± U (k=2)	2.01 ± 0.603

*The calculated mean value MV +/- U(k=2) based on the data of the laboratories (n) after outlier removal is listed for information.

This can be used for comparison as part of your internal QA measures: MV (n=4) +/- U(k=2): 2.04 +/- 0.263 µg/l

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	1.647	0.412	-	-	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	-	-	-	-	
LC0006	-	-	-	-	
LC0007	-	-	-	-	
LC0008	1.5	0.45	-	-	H
LC0009	-	-	-	-	
LC0010	-	-	-	-	
LC0011	2.207	0.2207	-	-	
LC0012	2.11	0.24687	-	-	
LC0013	-	-	-	-	
LC0014	-	-	-	-	
LC0015	-	-	-	-	
LC0016	2.18	0.24	-	-	

Characteristics of parameter

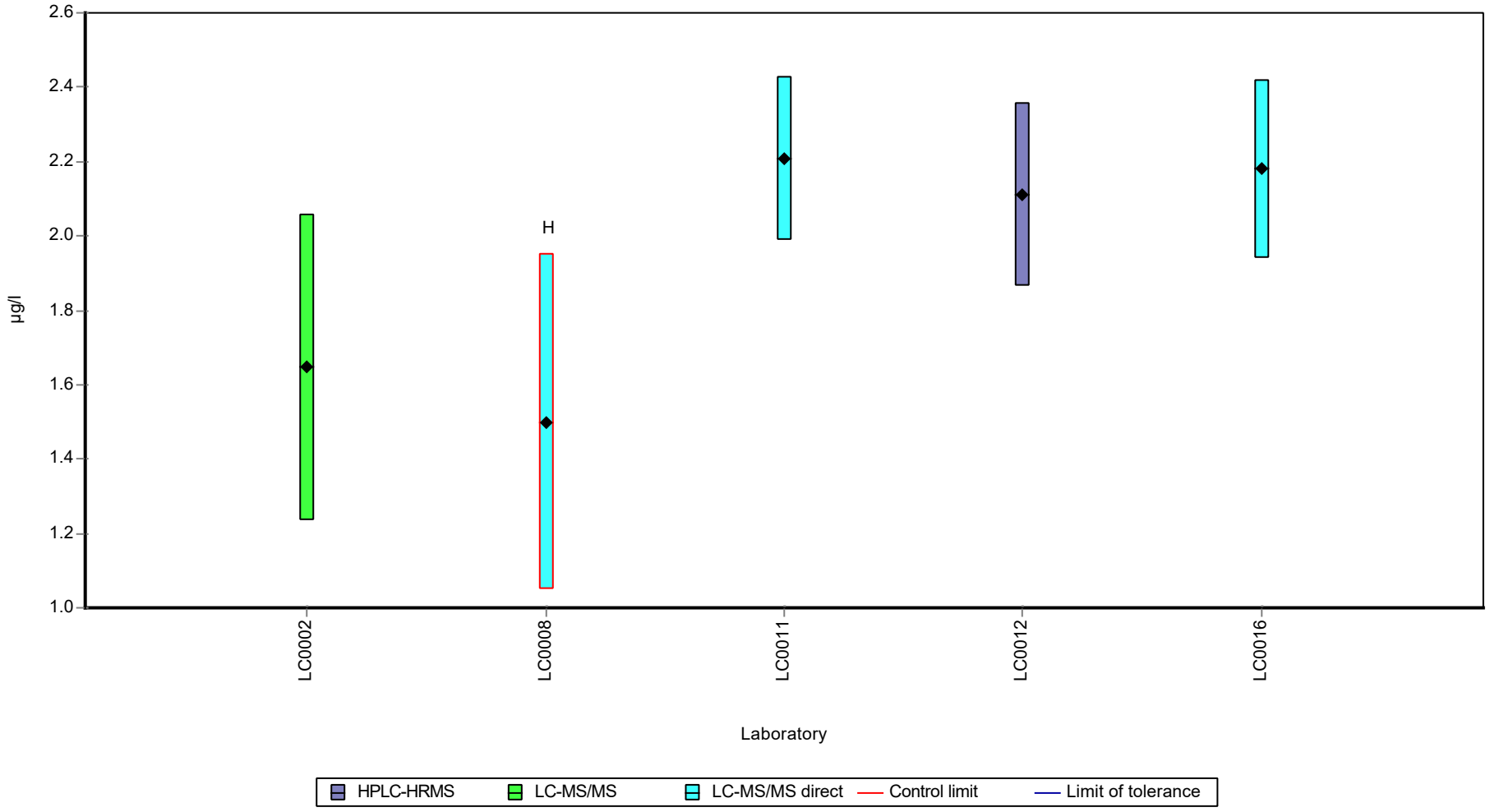
	all results	w ithout outliers	Unit
Mean ± CI (99%)	1.93 ± 0.443	-	µg/l
Minimum	1.5	1.65	µg/l
Maximum	2.21	2.21	µg/l
Standard deviation	0.33	-	µg/l
rel. standard deviation	17.1	-	%
n	5	4	-

Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12

Sample: AZ12B, Parameter: 4-Acetylaminoantipyrine

Graphical presentation of results

Results



Parameter oriented report

AZ12 A

4-Formylaminoantipyrine*

Unit	µg/l
Assigned value ± U (k=2)	-
Criterion	-
Minimum - Maximum	0.192 - 0.295
Control test value ± U (k=2)	0.221 ± 0.0552

*The calculated mean value MV +/- U(k=2) based on the data of the accredited laboratories (n) after outlier removal is listed for information.

This can be used for comparison as part of your internal QA measures: MV (n=4; accr.) +/- U(k=2): 0.223 +/- 0.0481 µg/l

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	-	-	-	-	
LC0006	-	-	-	-	
LC0007	-	-	-	-	
LC0008	0.205	0.082	-	-	
LC0009	-	-	-	-	
LC0010	-	-	-	-	
LC0011	0.192	0.0192	-	-	
LC0012	0.295	0.02596	-	-	
LC0013	-	-	-	-	
LC0014	-	-	-	-	
LC0015	-	-	-	-	
LC0016	0.201	0.0301	-	-	

Characteristics of parameter

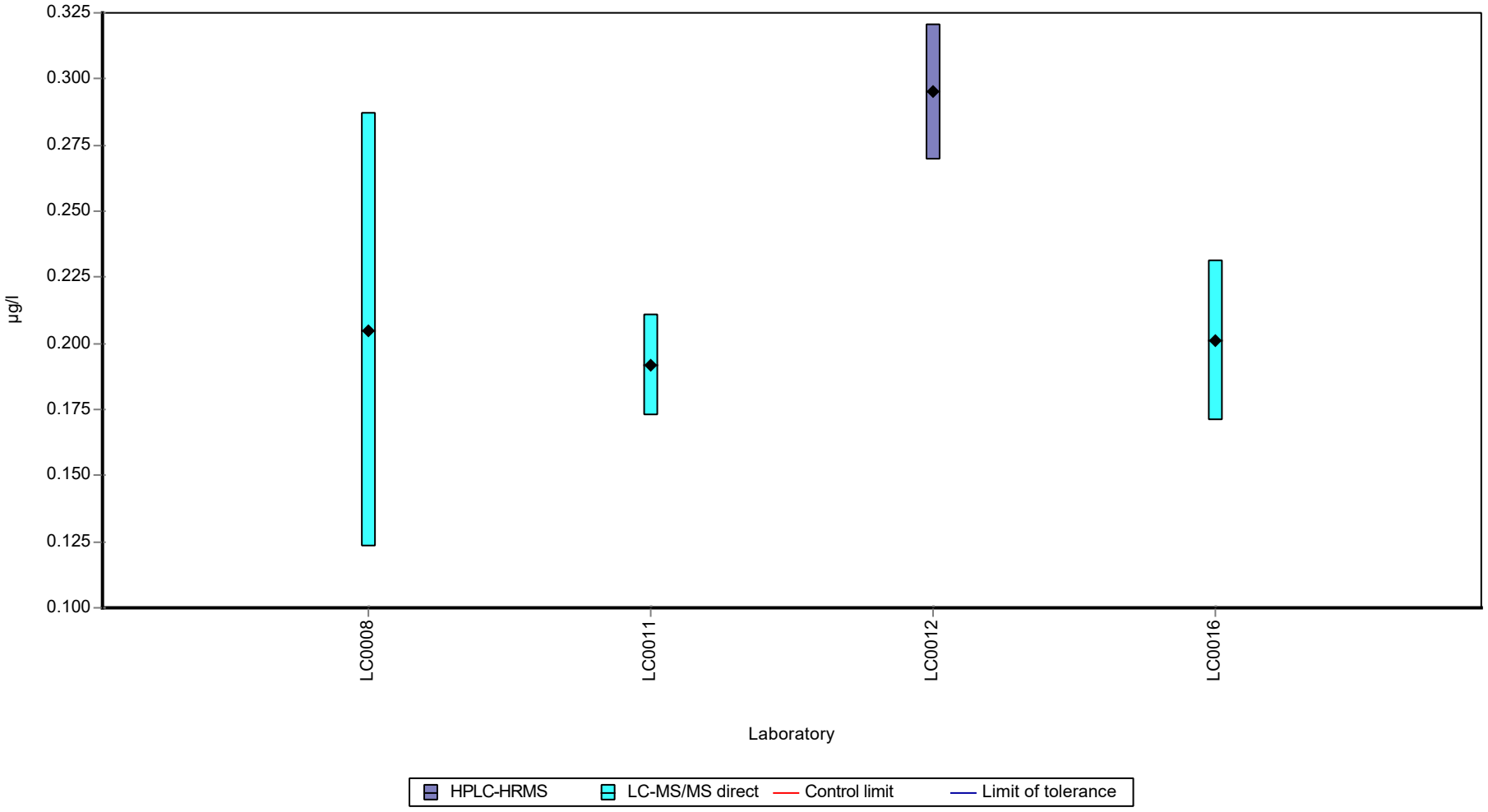
	all results	w ithout outliers	Unit
Mean ± CI (99%)	0.223 ± 0.0722	-	µg/l
Minimum	0.192	0.192	µg/l
Maximum	0.295	0.295	µg/l
Standard deviation	0.0481	-	µg/l
rel. standard deviation	21.6	-	%
n	4	4	-

Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12

Sample: AZ12A, Parameter: 4-Formylaminoantipyrine

Graphical presentation of results

Results



Parameter oriented report

AZ12 B

4-Formylaminoantipyrine*

Unit	µg/l
Assigned value ± U (k=2)	-
Criterion	-
Minimum - Maximum	3.95 - 8.2
Control test value ± U (k=2)	7.73 ± 1.93

*The calculated mean value MV +/- U(k=2) based on the data of the accredited laboratories (n) after outlier removal is listed for information.

This can be used for comparison as part of your internal QA measures: MV (n=4; accr.) +/- U(k=2): 6.07 +/- 1.74 µg/l

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	-	-	-	-	
LC0006	-	-	-	-	
LC0007	-	-	-	-	
LC0008	3.95	1.58	-	-	
LC0009	-	-	-	-	
LC0010	-	-	-	-	
LC0011	6.005	0.6005	-	-	
LC0012	8.2	0.7216	-	-	
LC0013	-	-	-	-	
LC0014	-	-	-	-	
LC0015	-	-	-	-	
LC0016	6.13	0.92	-	-	

Characteristics of parameter

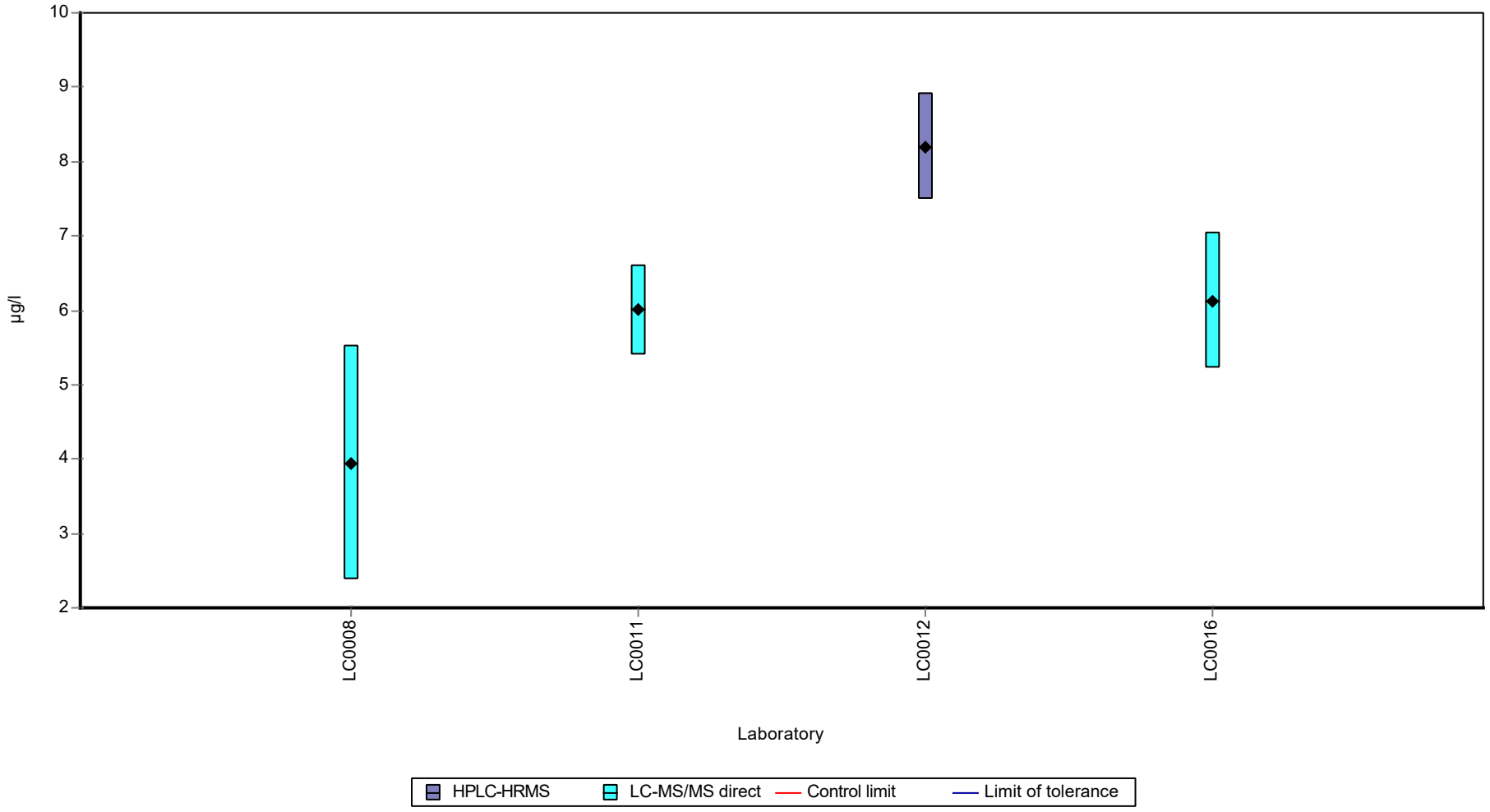
	all results	w ithout outliers	Unit
Mean ± CI (99%)	6.07 ± 2.6	-	µg/l
Minimum	3.95	3.95	µg/l
Maximum	8.2	8.2	µg/l
Standard deviation	1.74	-	µg/l
rel. standard deviation	28.6	-	%
n	4	4	-

Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12

Sample: AZ12B, Parameter: 4-Formylaminoantipyrine

Graphical presentation of results

Results



Parameter oriented report

AZ12 A

10,11-Dihydro-10,11-Dihydroxycarbamazepine*

Unit	µg/l
Assigned value ± U (k=2)	-
Criterion	-
Minimum - Maximum	0.298 - 0.361
Control test value ± U (k=2)	0.338 ± 0.118

*The calculated mean value MV +/- U(k=2) based on the data of the accredited laboratories (n) after outlier removal is listed for information.

This can be used for comparison as part of your internal QA measures: MV (n=4; accr.) +/- U(k=2): 0.335 +/- 0.027 µg/l

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	0.3345	0.0117	-	-	
LC0006	-	-	-	-	
LC0007	-	-	-	-	
LC0008	0.298	0.149	-	-	
LC0009	-	-	-	-	
LC0010	-	-	-	-	
LC0011	-	-	-	-	
LC0012	0.361	0.04729	-	-	
LC0013	-	-	-	-	
LC0014	-	-	-	-	
LC0015	-	-	-	-	
LC0016	0.347	0.25	-	-	

Characteristics of parameter

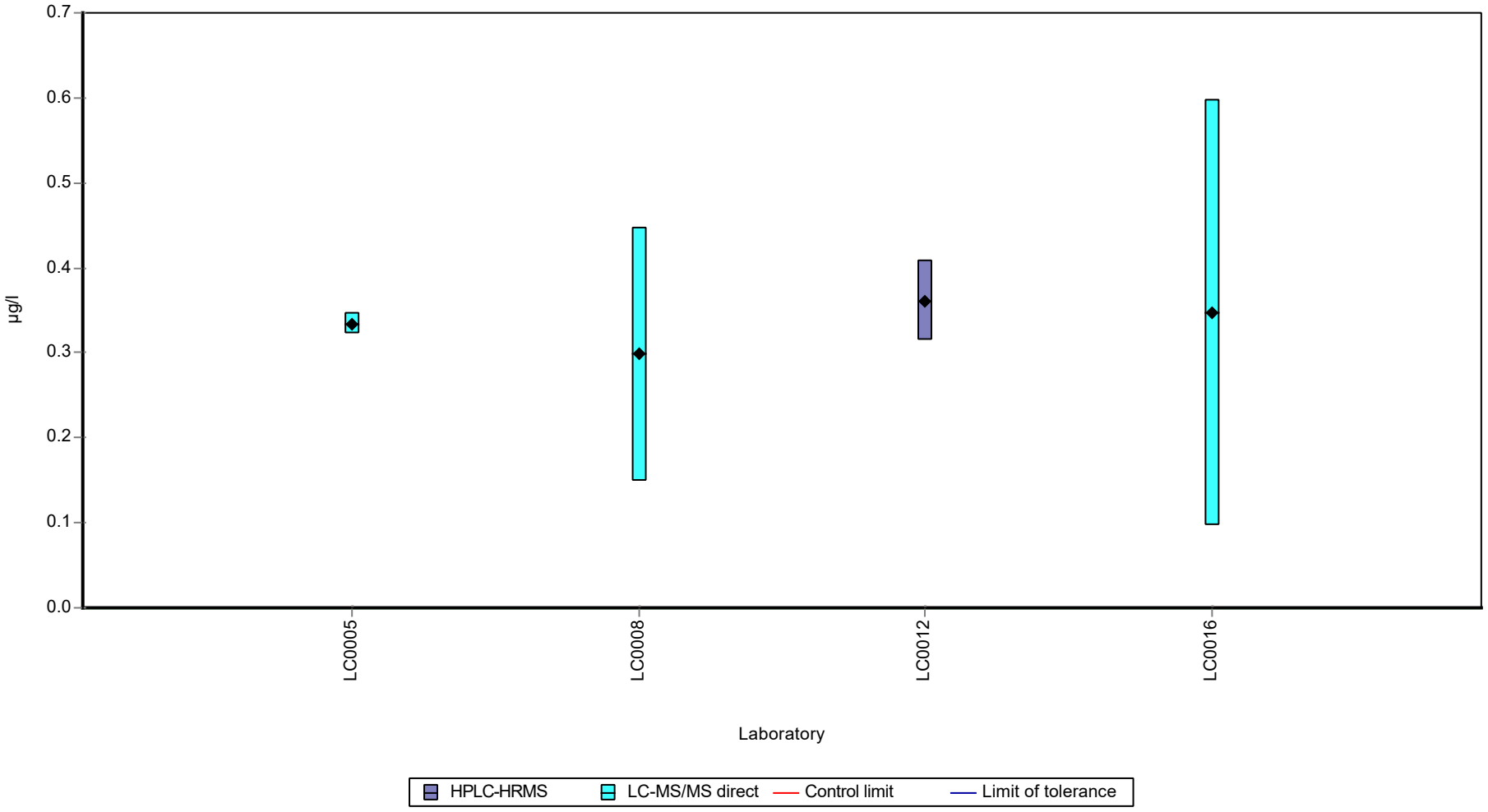
	all results	w ithout outliers	Unit
Mean ± CI (99%)	0.335 ± 0.0405	-	µg/l
Minimum	0.298	0.298	µg/l
Maximum	0.361	0.361	µg/l
Standard deviation	0.027	-	µg/l
rel. standard deviation	8.06	-	%
n	4	4	-

Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12

Sample: AZ12A, Parameter: 10,11-Dihydro-10,11-Dihydroxycarbamazepine

Graphical presentation of results

Results



Parameter oriented report

AZ12 B

10,11-Dihydro-10,11-Dihydroxycarbamazepine*

Unit	µg/l
Assigned value ± U (k=2)	-
Criterion	-
Minimum - Maximum	0.705 - 1.12
Control test value ± U (k=2)	0.887 ± 0.311

*The calculated mean value MV +/- U(k=2) based on the data of the accredited laboratories (n) after outlier removal is listed for information.

This can be used for comparison as part of your internal QA measures: MV (n=4; accr.) +/- U(k=2): 0.912 +/- 0.195 µg/l

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	0.705	0.008	-	-	
LC0006	-	-	-	-	
LC0007	-	-	-	-	
LC0008	0.794	0.397	-	-	
LC0009	-	-	-	-	
LC0010	-	-	-	-	
LC0011	-	-	-	-	
LC0012	1.03	0.13493	-	-	
LC0013	-	-	-	-	
LC0014	-	-	-	-	
LC0015	-	-	-	-	
LC0016	1.12	0.809	-	-	

Characteristics of parameter

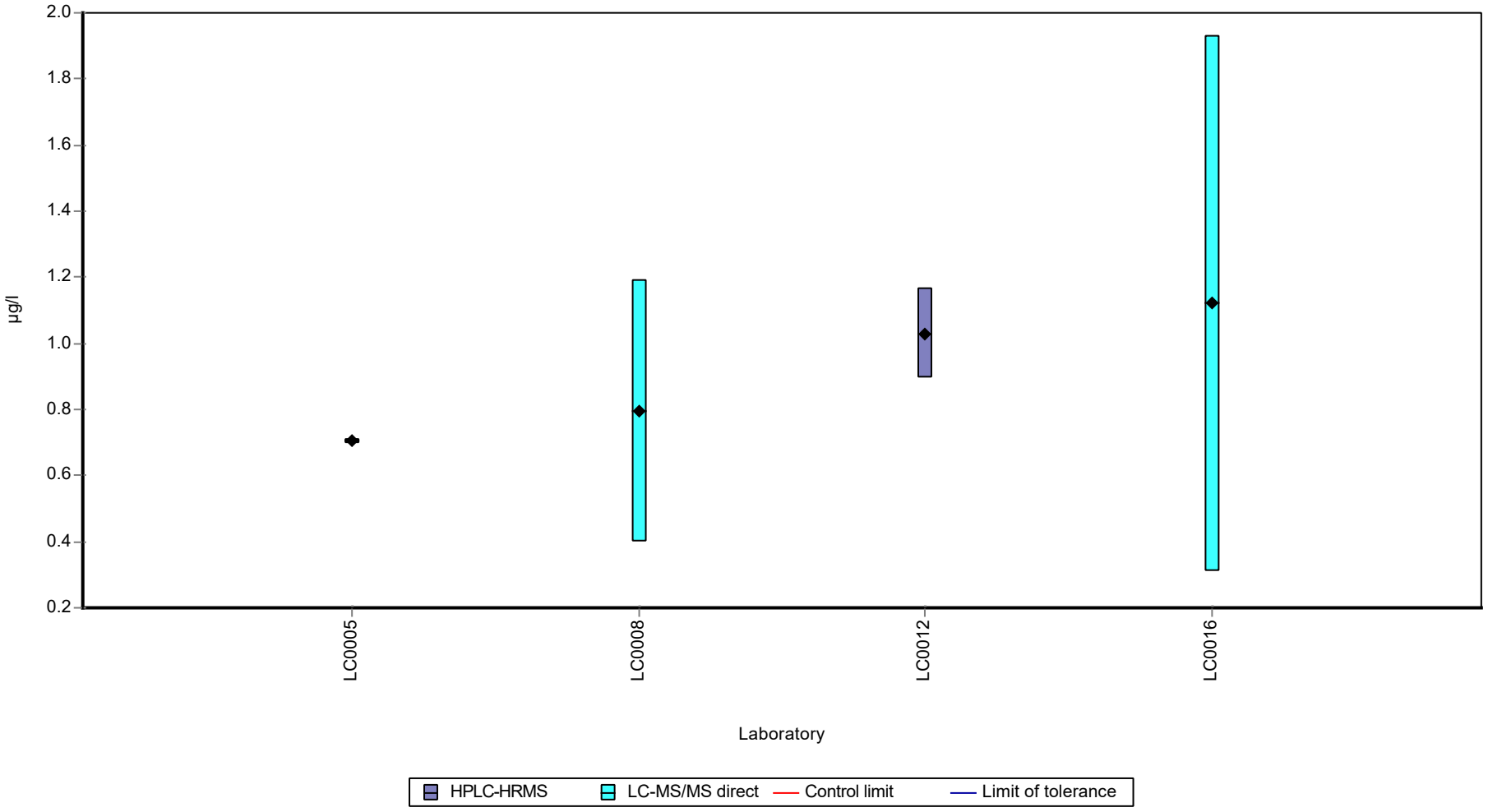
	all results	w ithout outliers	Unit
Mean ± CI (99%)	0.912 ± 0.292	-	µg/l
Minimum	0.705	0.705	µg/l
Maximum	1.12	1.12	µg/l
Standard deviation	0.195	-	µg/l
rel. standard deviation	21.4	-	%
n	4	4	-

Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12

Sample: AZ12B, Parameter: 10,11-Dihydro-10,11-Dihydroxycarbamazepine

Graphical presentation of results

Results



Parameter oriented report

AZ12 A

Acesulfame

Unit	µg/l
Assigned value ± U (k=2)	0.245 ± 0.0196
Criterion	0.0416 (17 %)
Minimum - Maximum	0.205 - 0.331
Control test value ± U (k=2)	0.222 ± 0.089

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.245	0.074	100	0.00	
LC0002	0.243	0.061	99.2	-0.04	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	0.331	0.0151	135	2.07	
LC0006	-	-	-	-	
LC0007	0.205	0.02	83.7	-0.96	
LC0008	1.3	0.26	531	25.35	H
LC0009	0.217	0.039	88.6	-0.67	
LC0010	0.2251	0.0108	91.9	-0.47	
LC0011	0.264	0.0264	108	0.46	
LC0012	0.26	0.078	106	0.36	
LC0013	0.241	0.043	98.4	-0.09	
LC0014	0.268	0.054	109	0.56	
LC0015	0.222	0.02	90.7	-0.55	
LC0016	0.217	0.0369	88.6	-0.67	

Characteristics of parameter

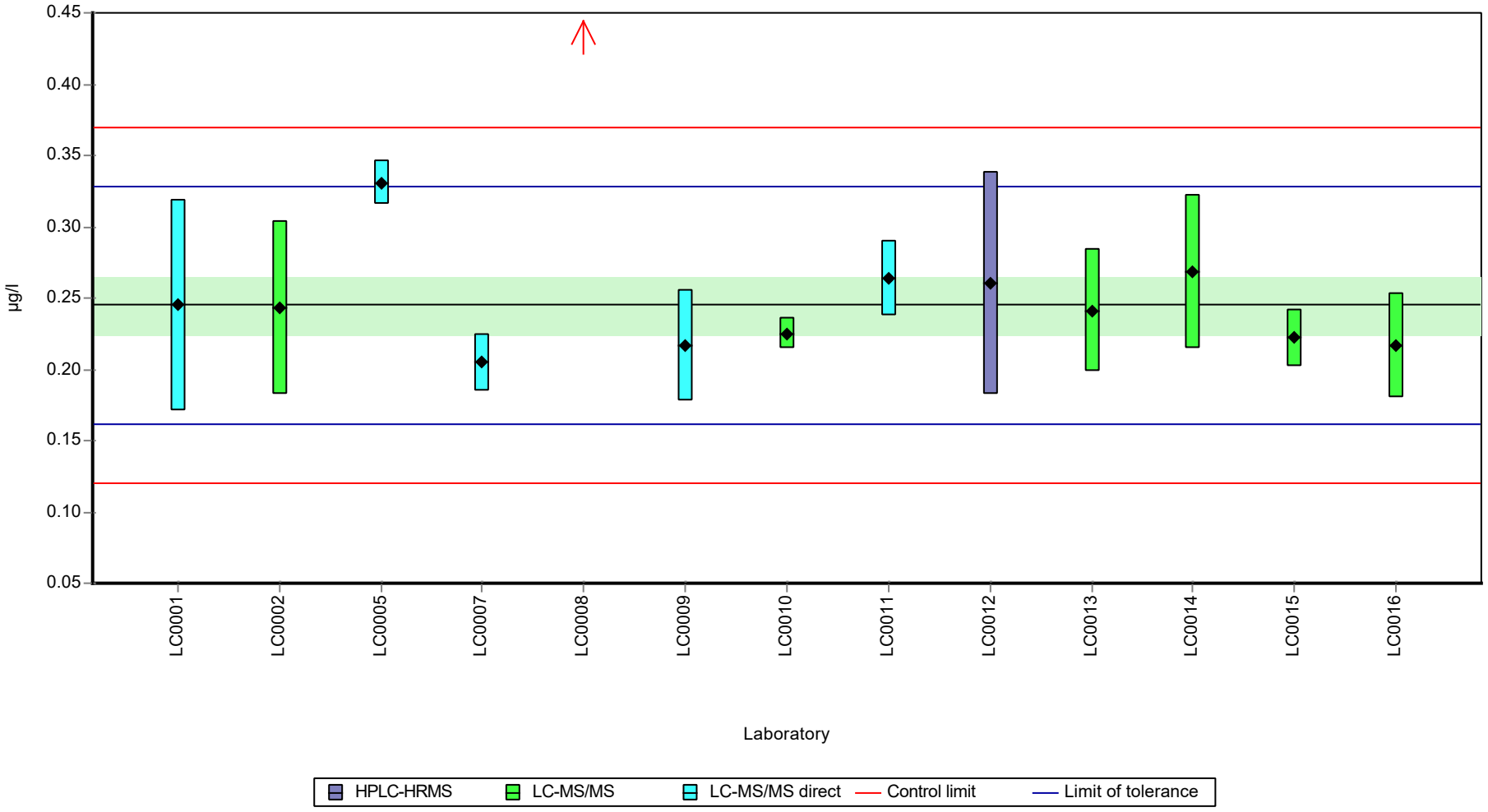
	all results	w ithout outliers	Unit
Mean ± CI (99%)	0.326 ± 0.245	0.245 ± 0.0293	µg/l
Minimum	0.205	0.205	µg/l
Maximum	1.3	0.331	µg/l
Standard deviation	0.294	0.0339	µg/l
rel. standard deviation	90.3	13.8	%
n	13	12	-

Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12

Sample: AZ12A, Parameter: Acesulfame

Graphical presentation of results

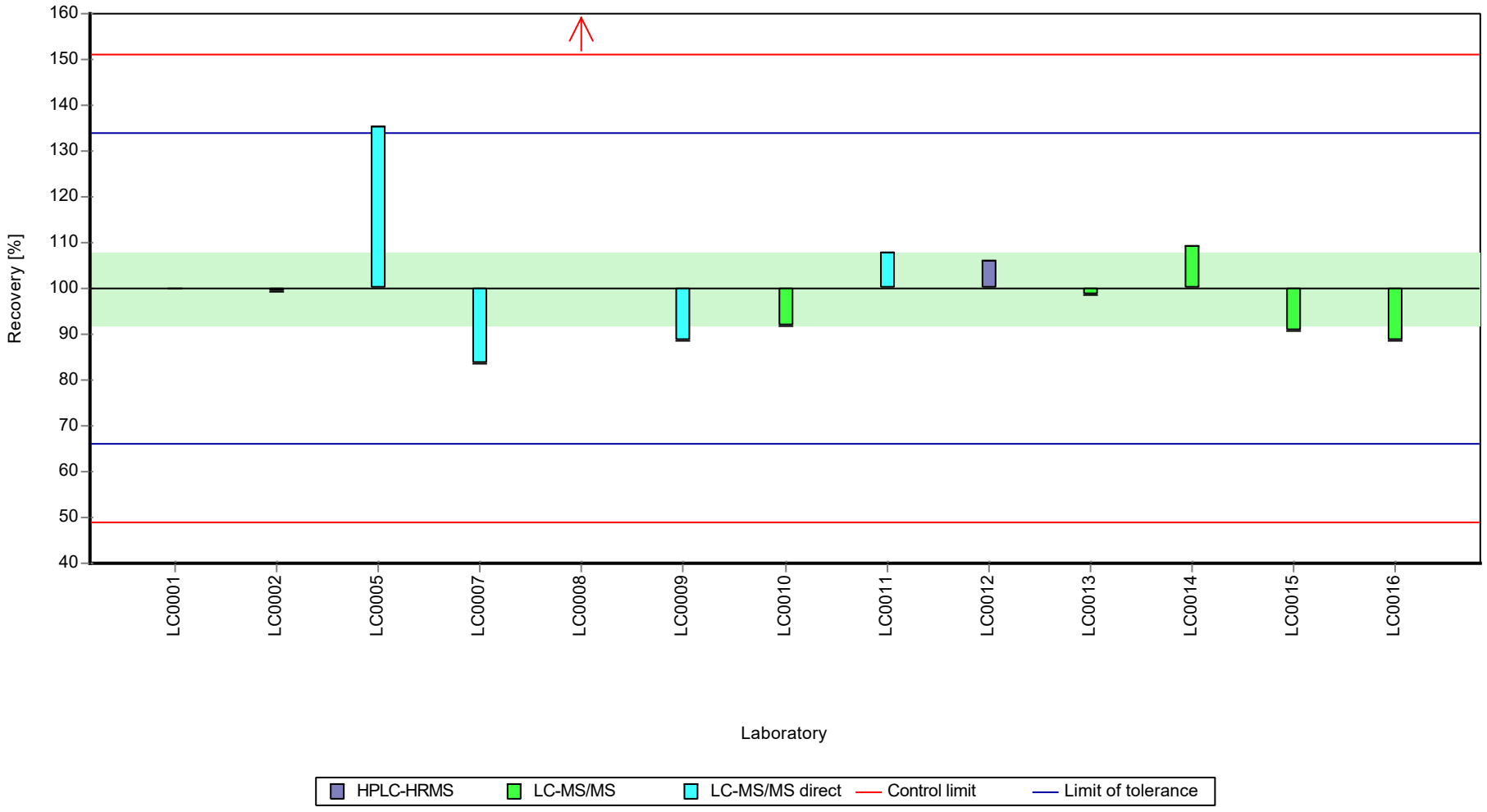
Results



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12

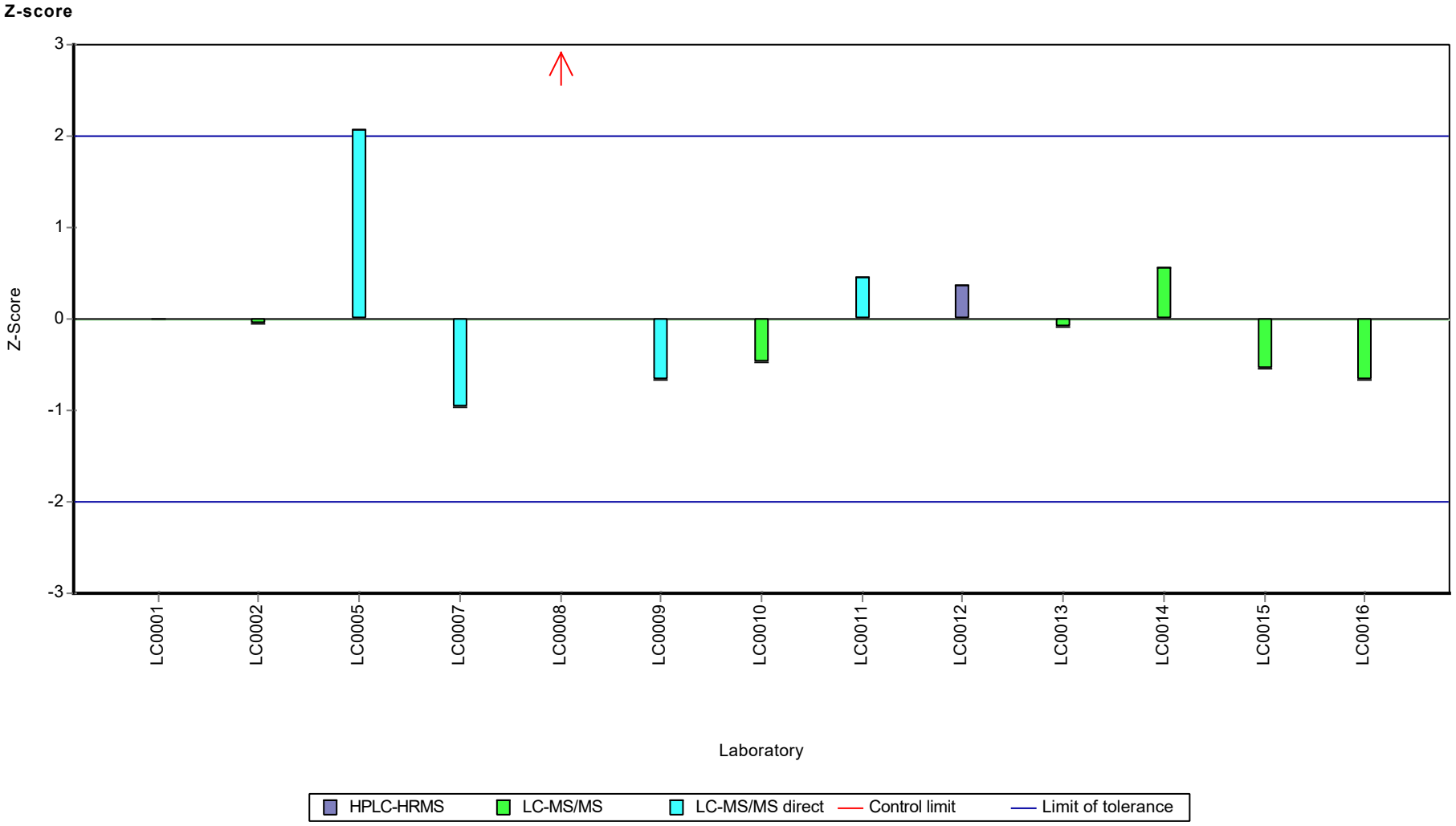
Sample: AZ12A, Parameter: Acesulfame

Recovery rate



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12

Sample: AZ12A, Parameter: Acesulfame



Parameter oriented report

AZ12 B

Acesulfame

Unit	µg/l
Assigned value ± U (k=2)	1.09 ± 0.0597
Criterion	0.185 (17 %)
Minimum - Maximum	0.982 - 1.32
Control test value ± U (k=2)	1.10 ± 0.441

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	1.1	0.33	101	0.05	
LC0002	1.154	0.289	106	0.34	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	1.3172	0.106	121	1.22	
LC0006	-	-	-	-	
LC0007	1.069	0.1069	98	-0.12	
LC0008	0.294	0.059	27	-4.3	H
LC0009	0.982	0.177	90.1	-0.58	
LC0010	1.0349	0.0497	94.9	-0.3	
LC0011	1.986	0.1986	182	4.83	H
LC0012	1.68	0.504	154	3.18	H
LC0013	1.108	0.199	102	0.09	
LC0014	1.09	0.218	100	0.00	
LC0015	1.039	0.11	95.3	-0.28	
LC0016	1.01	0.172	92.6	-0.43	

Characteristics of parameter

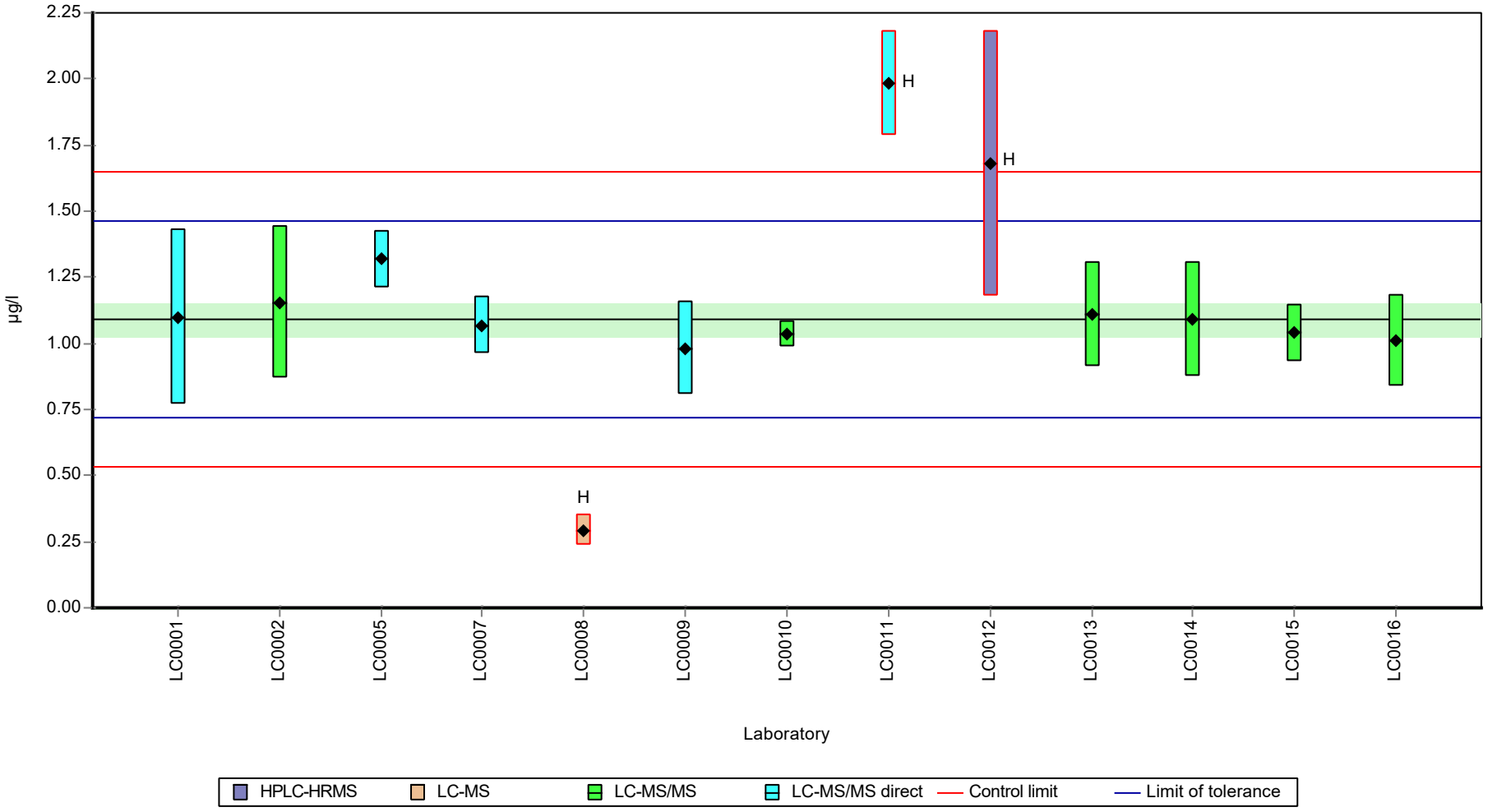
	all results	w ithout outliers	Unit
Mean ± CI (99%)	1.14 ± 0.325	1.09 ± 0.0896	µg/l
Minimum	0.294	0.982	µg/l
Maximum	1.99	1.32	µg/l
Standard deviation	0.39	0.0945	µg/l
rel. standard deviation	34.1	8.66	%
n	13	10	-

Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12

Sample: AZ12B, Parameter: Acesulfame

Graphical presentation of results

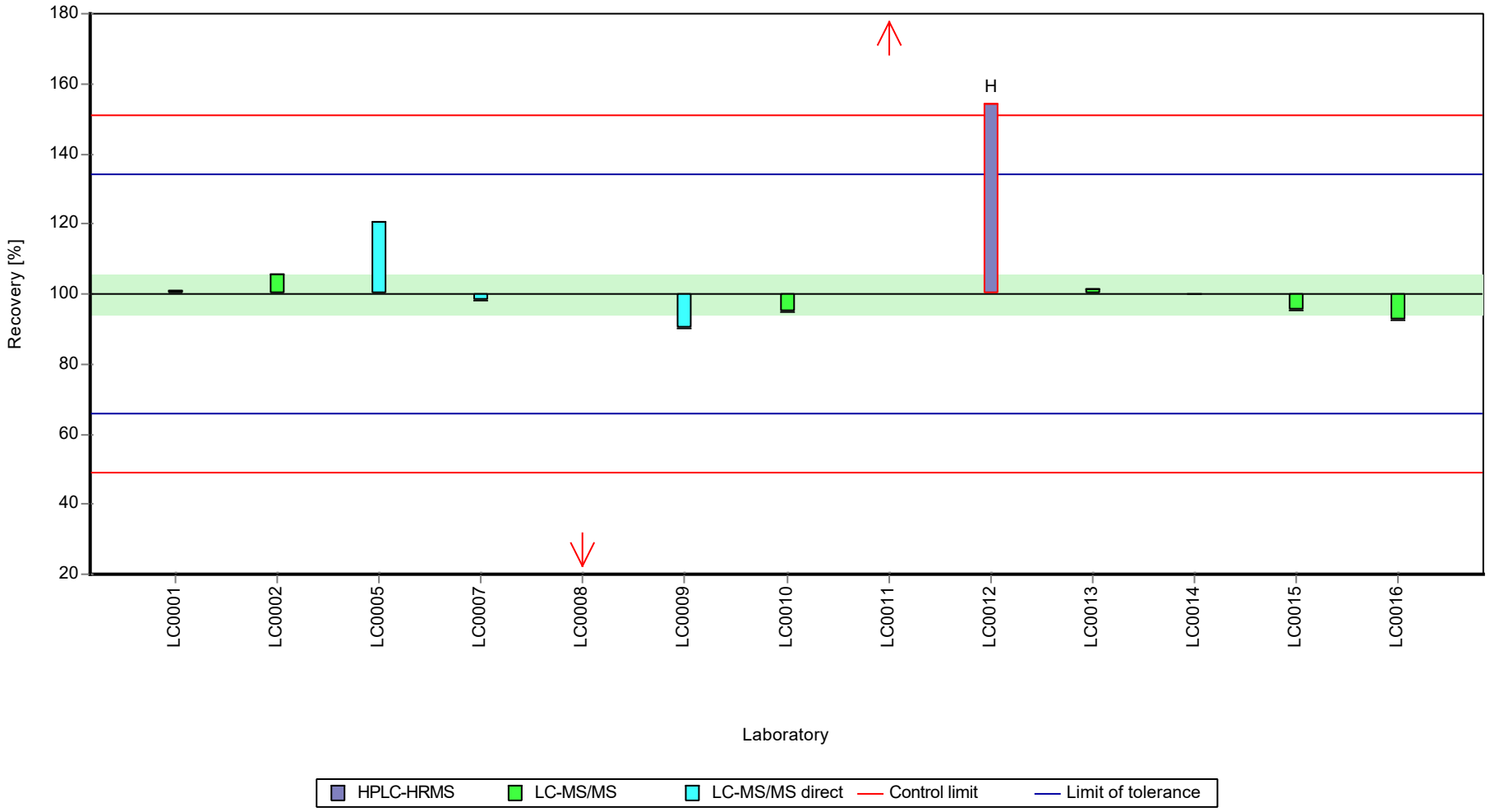
Results



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12

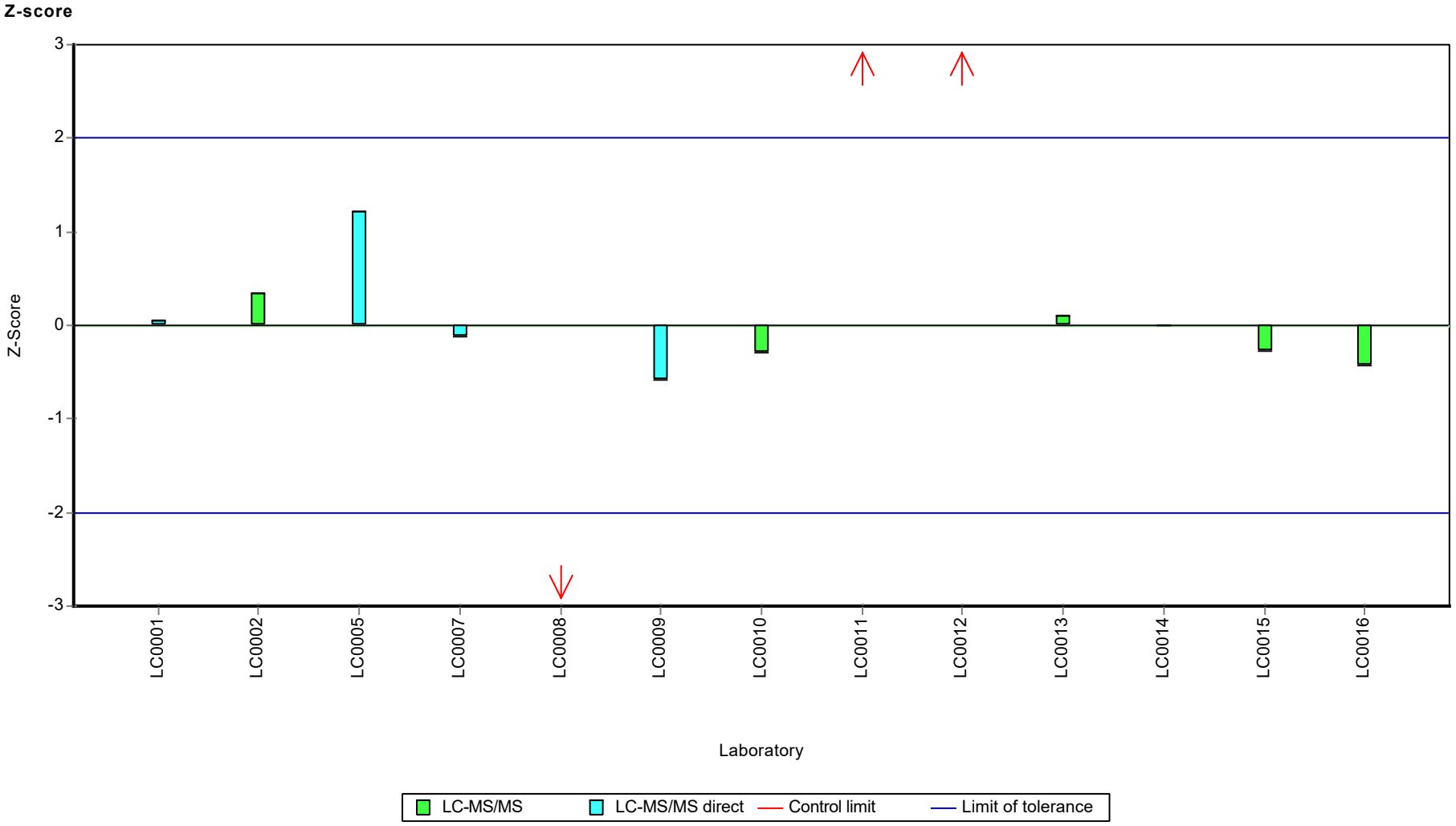
Sample: AZ12B, Parameter: Acesulfame

Recovery rate



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12

Sample: AZ12B, Parameter: Acesulfame



Parameter oriented report

AZ12 A

Amidotrizoic acid

Unit	µg/l
Assigned value ± U (k=2)	0.192 ± 0.0133
Criterion	0.0384 (20 %)
Minimum - Maximum	0.138 - 0.219
Control test value ± U (k=2)	0.195 ± 0.0977

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.19	0.057	99.1	-0.05	
LC0002	-	-	-	-	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	0.2098	0.0152	109	0.47	
LC0006	-	-	-	-	
LC0007	0.106	0.02	55.3	-2.24	H
LC0008	0.138	0.055	71.9	-1.4	
LC0009	0.177	0.032	92.3	-0.39	
LC0010	0.204	0.0263	106	0.32	
LC0011	0.215	0.0215	112	0.6	
LC0012	0.219	0.07227	114	0.71	
LC0013	0.189	0.051	98.5	-0.07	
LC0014	0.188	0.038	98	-0.1	
LC0015	0.189	0.02	98.5	-0.07	
LC0016	0.191	0.0497	99.6	-0.02	

Characteristics of parameter

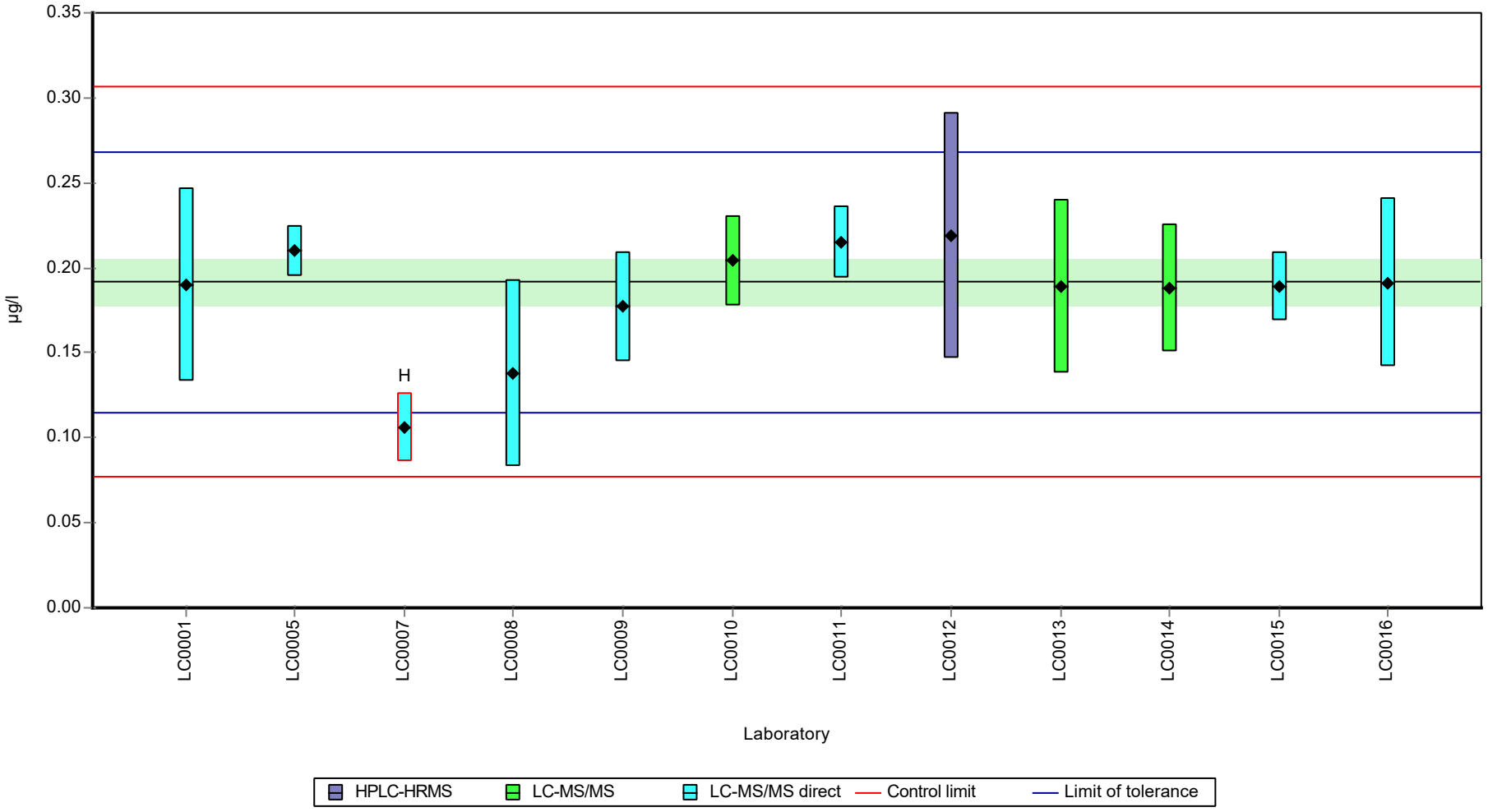
	all results	w ithout outliers	Unit
Mean ± CI (99%)	0.185 ± 0.0282	0.192 ± 0.02	µg/l
Minimum	0.106	0.138	µg/l
Maximum	0.219	0.219	µg/l
Standard deviation	0.0325	0.0221	µg/l
rel. standard deviation	17.6	11.5	%
n	12	11	-

Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12

Sample: AZ12A, Parameter: Amidotrizoic acid

Graphical presentation of results

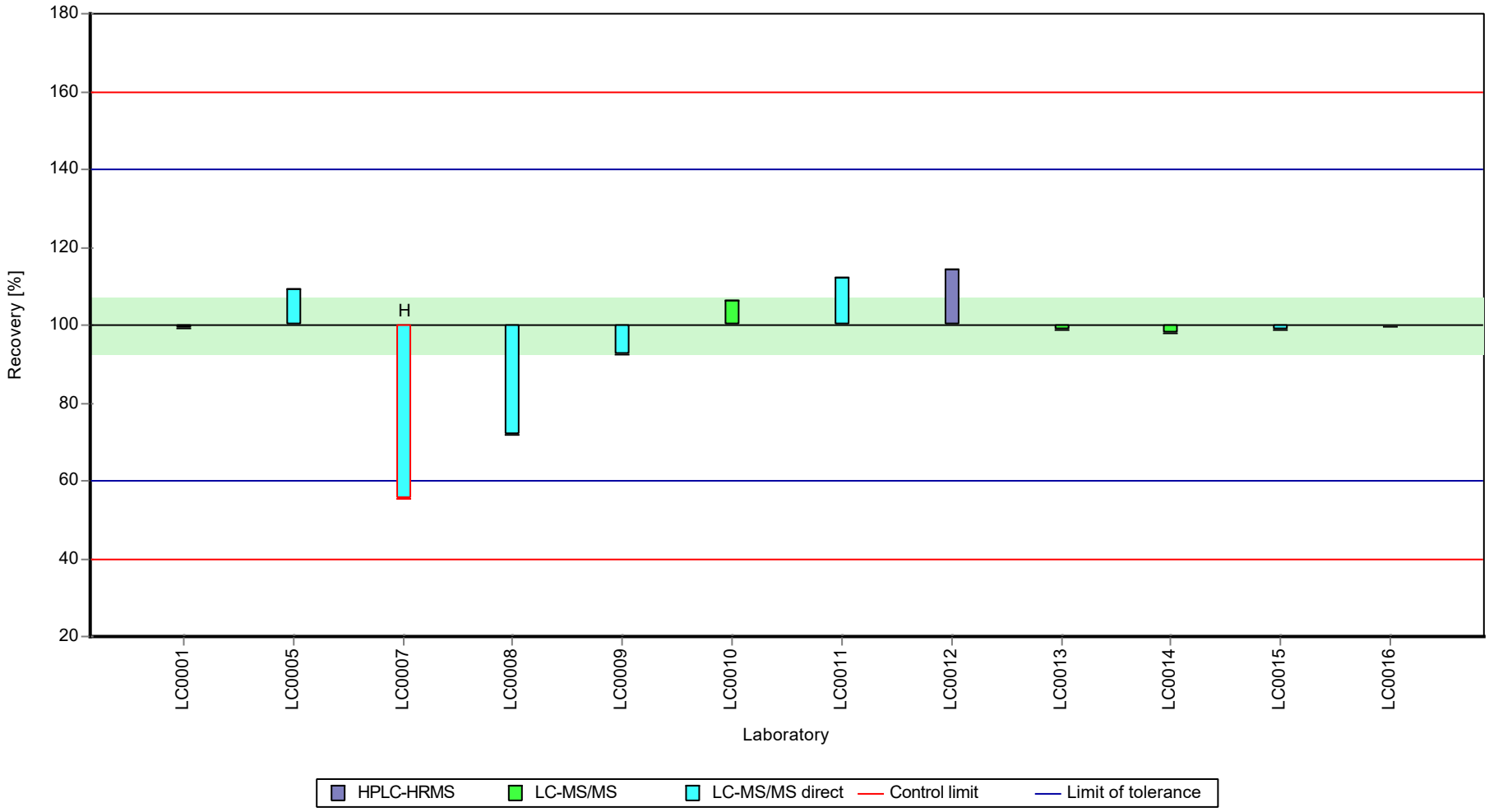
Results



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12

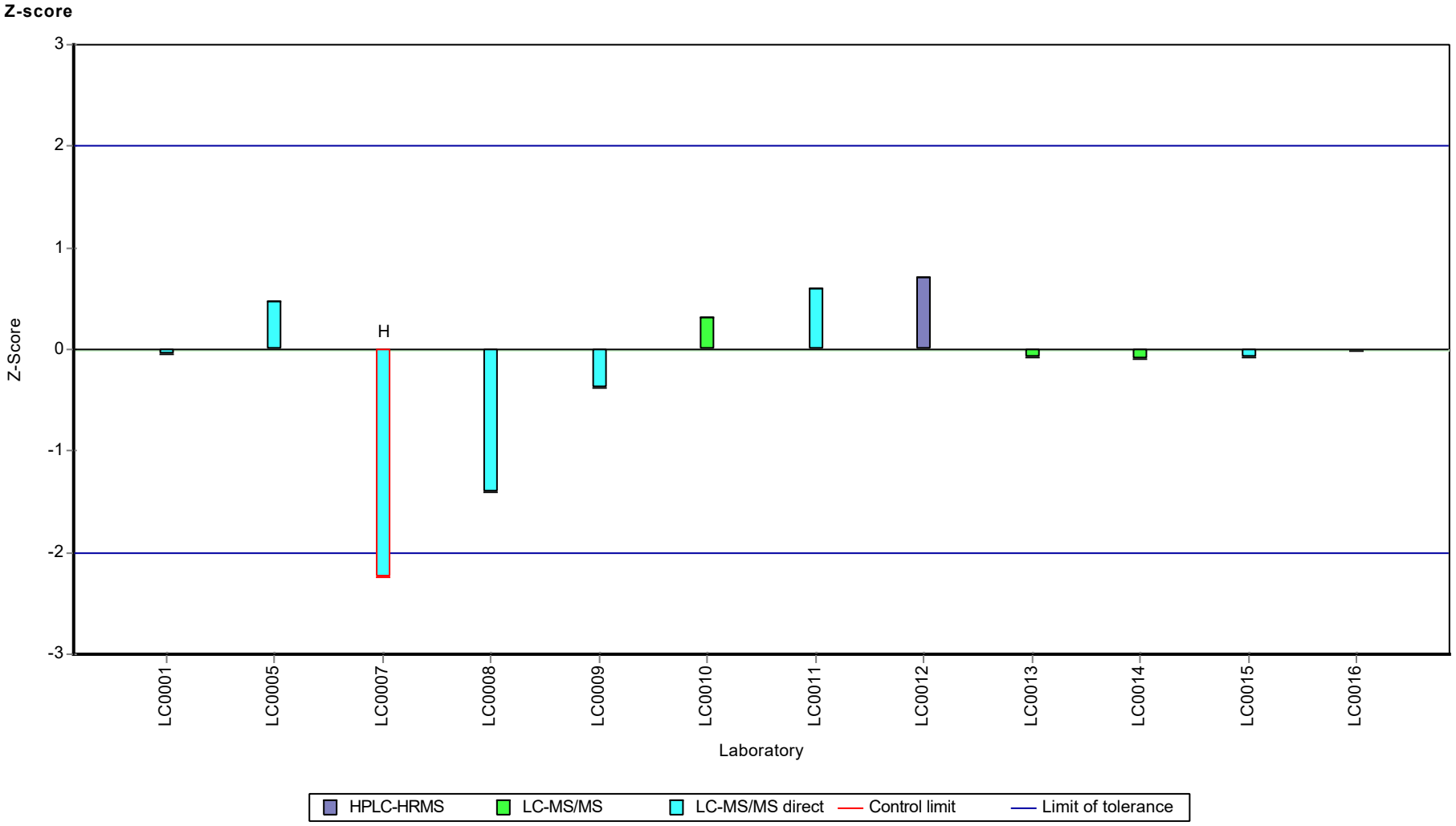
Sample: AZ12A, Parameter: Amidotrizoic acid

Recovery rate



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12

Sample: AZ12A, Parameter: Amidotrizoic acid



Parameter oriented report

AZ12 B

Amidotrizoic acid

Unit	µg/l
Assigned value ± U (k=2)	1.19 ± 0.0758
Criterion	0.237 (20 %)
Minimum - Maximum	1.01 - 1.41
Control test value ± U (k=2)	1.16 ± 0.581

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	1.09	0.33	91.8	-0.41	
LC0002	-	-	-	-	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	0.5605	0.045	47.2	-2.64	H
LC0006	-	-	-	-	
LC0007	0.328	0.0623	27.6	-3.62	H
LC0008	1.01	0.41	85.1	-0.75	
LC0009	1.049	0.189	88.3	-0.58	
LC0010	1.1917	0.1537	100	0.02	
LC0011	1.413	0.1413	119	0.95	
LC0012	1.19	0.3927	100	0.01	
LC0013	1.261	0.34	106	0.31	
LC0014	1.3	0.26	109	0.47	
LC0015	1.18	0.13	99.4	-0.03	
LC0016	1.19	0.309	100	0.01	

Characteristics of parameter

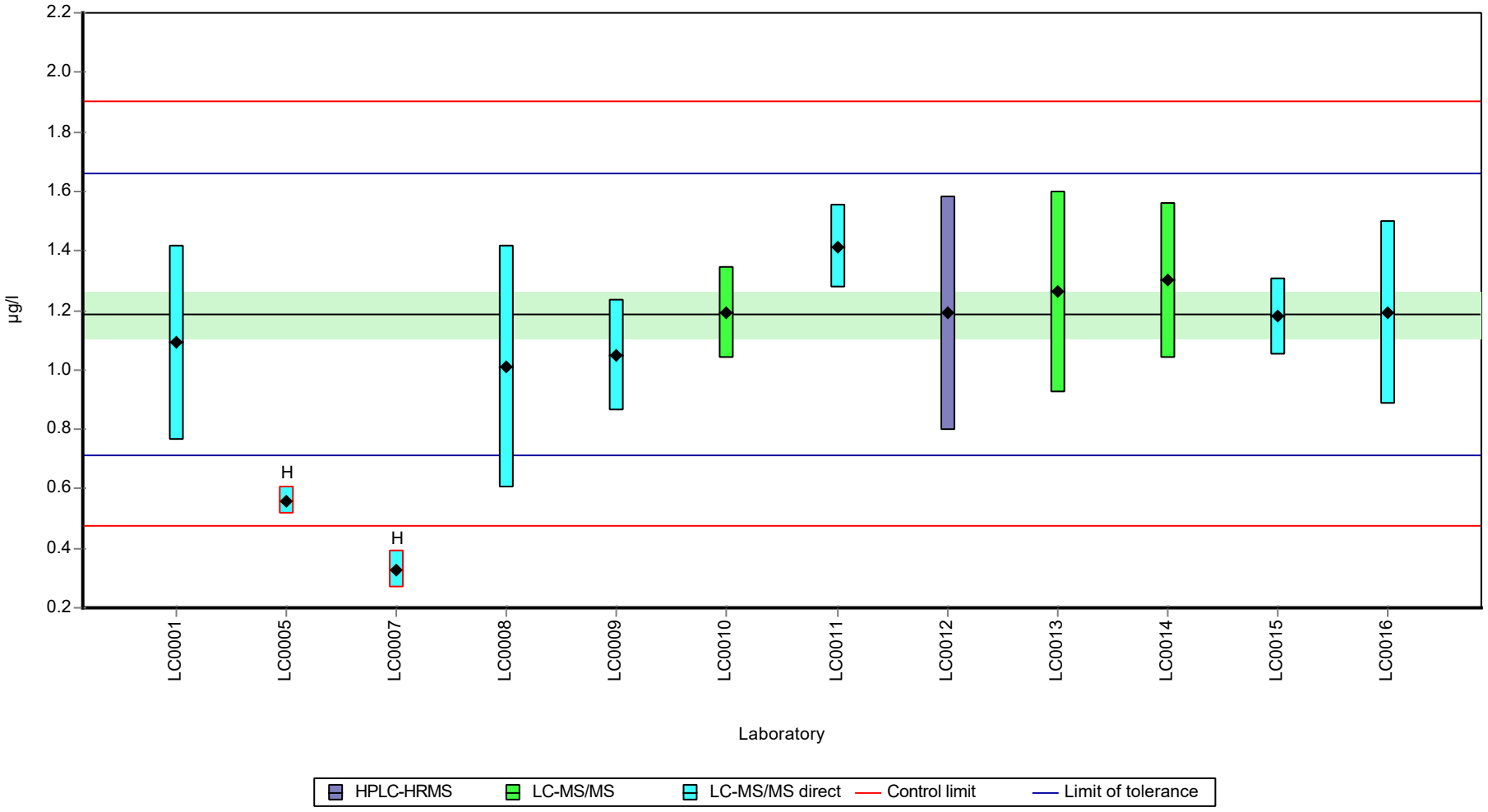
	all results	w ithout outliers	Unit
Mean ± CI (99%)	1.06 ± 0.271	1.19 ± 0.114	µg/l
Minimum	0.328	1.01	µg/l
Maximum	1.41	1.41	µg/l
Standard deviation	0.313	0.12	µg/l
rel. standard deviation	29.4	10.1	%
n	12	10	-

Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12

Sample: AZ12B, Parameter: Amidotrizoic acid

Graphical presentation of results

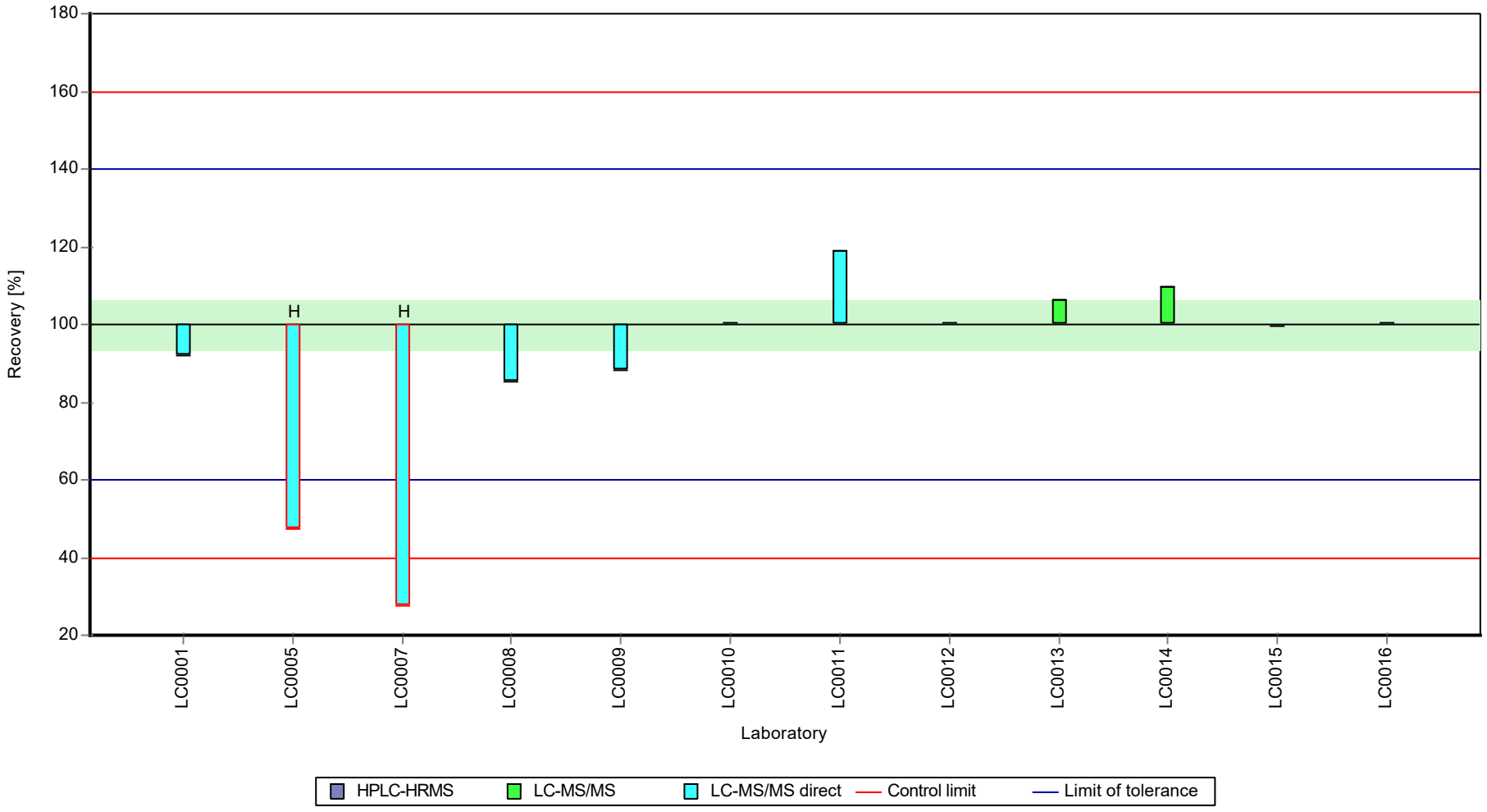
Results



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12

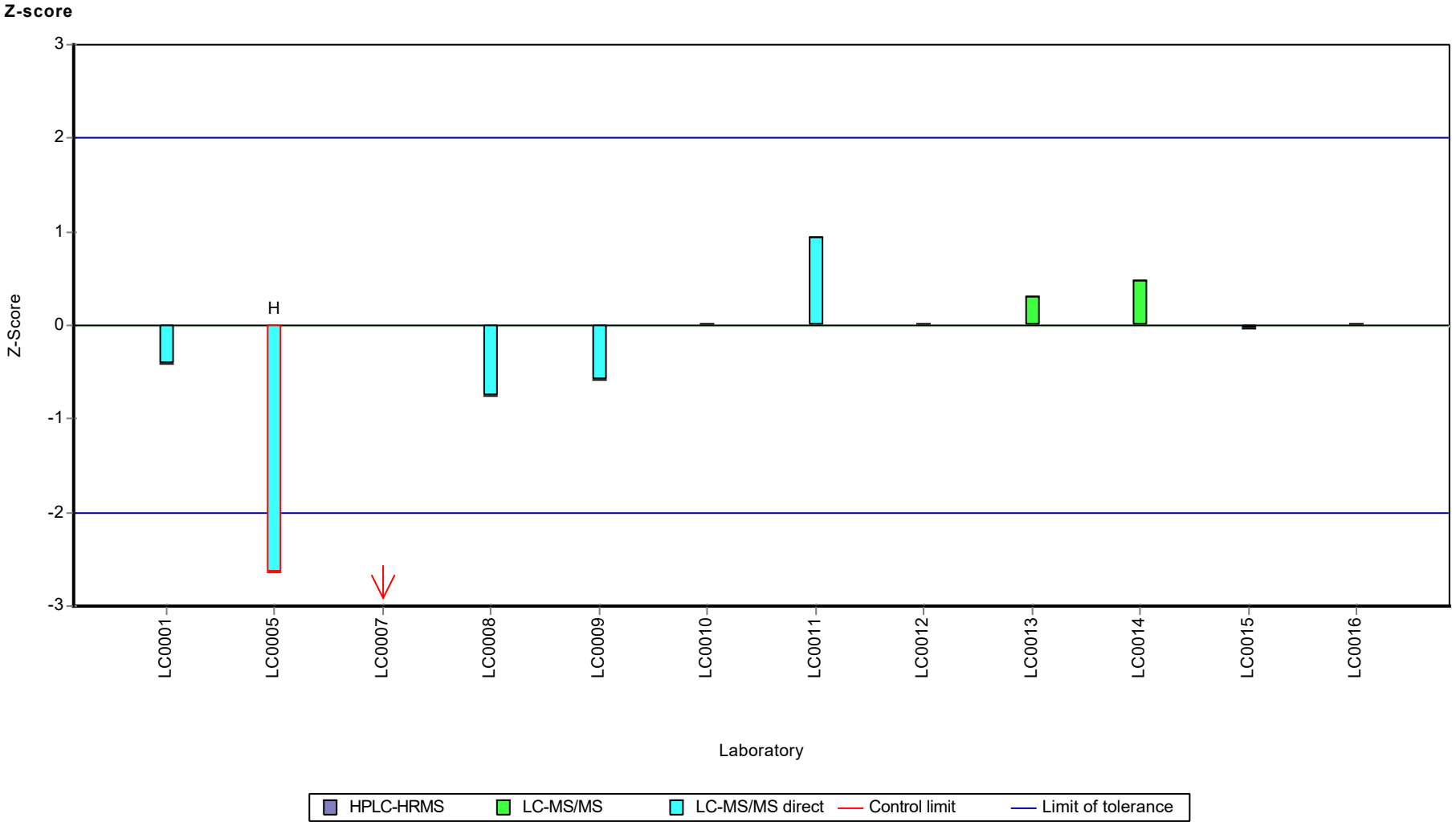
Sample: AZ12B, Parameter: Amidotrizoic acid

Recovery rate



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12

Sample: AZ12B, Parameter: Amidotrizoic acid



Parameter oriented report

AZ12 A

Atenolol

Unit	µg/l
Assigned value ± U (k=2)	0.134 ± 0.00737
Criterion	0.0268 (20 %)
Minimum - Maximum	0.119 - 0.145
Control test value ± U (k=2)	0.130 ± 0.039

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.14	0.042	104	0.22	
LC0002	0.143	0.036	107	0.33	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	0.1185	0.0122	88.4	-0.58	
LC0006	-	-	-	-	
LC0007	0.133	0.009	99.2	-0.04	
LC0008	0.204	0.061	152	2.6	H
LC0009	0.127	0.023	94.7	-0.27	
LC0010	-	-	-	-	
LC0011	0.1225	0.01225	91.3	-0.43	
LC0012	0.144	0.0229	107	0.37	
LC0013	-	-	-	-	
LC0014	-	-	-	-	
LC0015	-	-	-	-	
LC0016	0.145	0.0261	108	0.41	

Characteristics of parameter

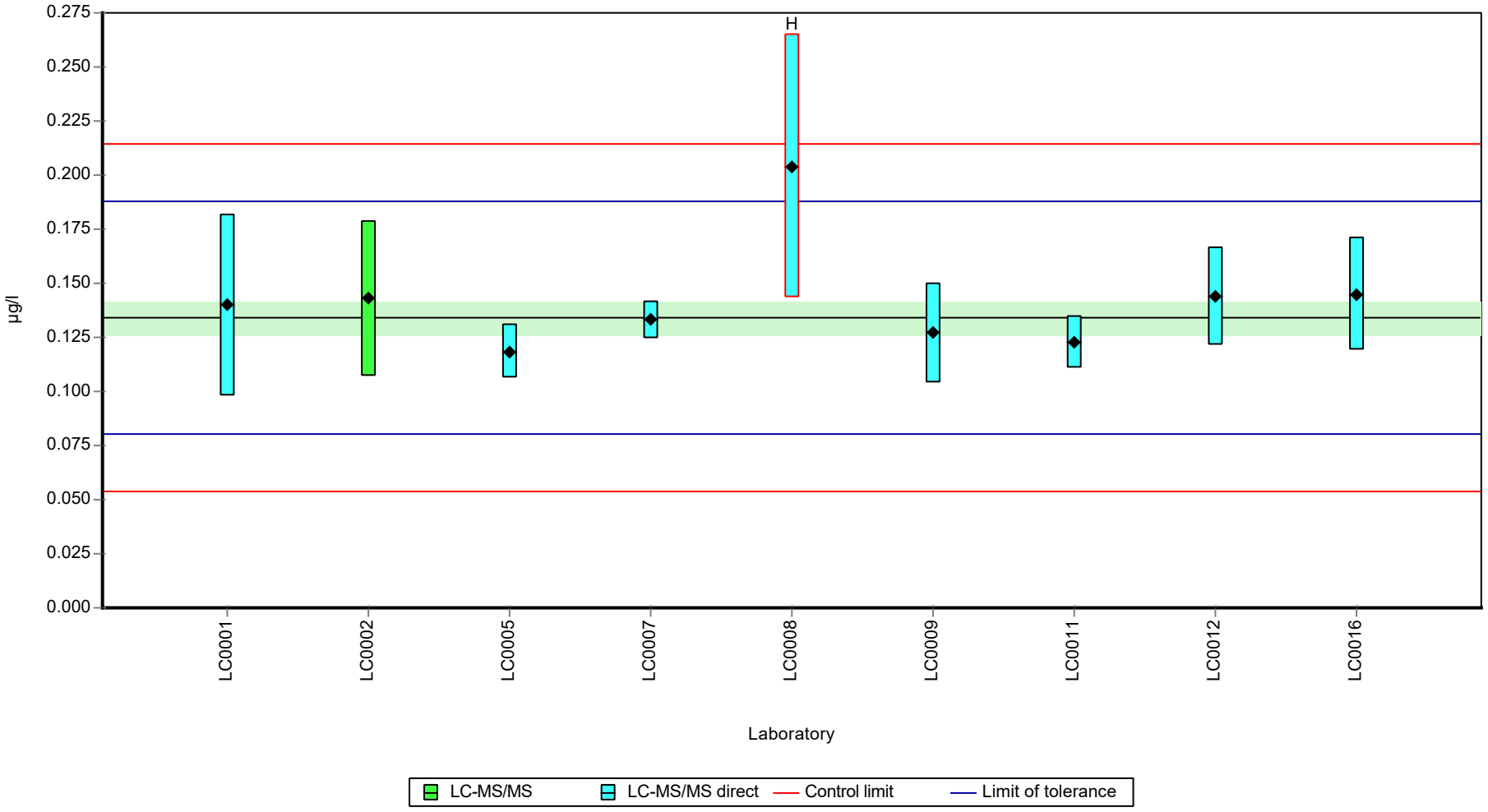
	all results	w ithout outliers	Unit
Mean ± CI (99%)	0.142 ± 0.0253	0.134 ± 0.0111	µg/l
Minimum	0.119	0.119	µg/l
Maximum	0.204	0.145	µg/l
Standard deviation	0.0253	0.0104	µg/l
rel. standard deviation	17.8	7.77	%
n	9	8	-

Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12

Sample: AZ12A, Parameter: Atenolol

Graphical presentation of results

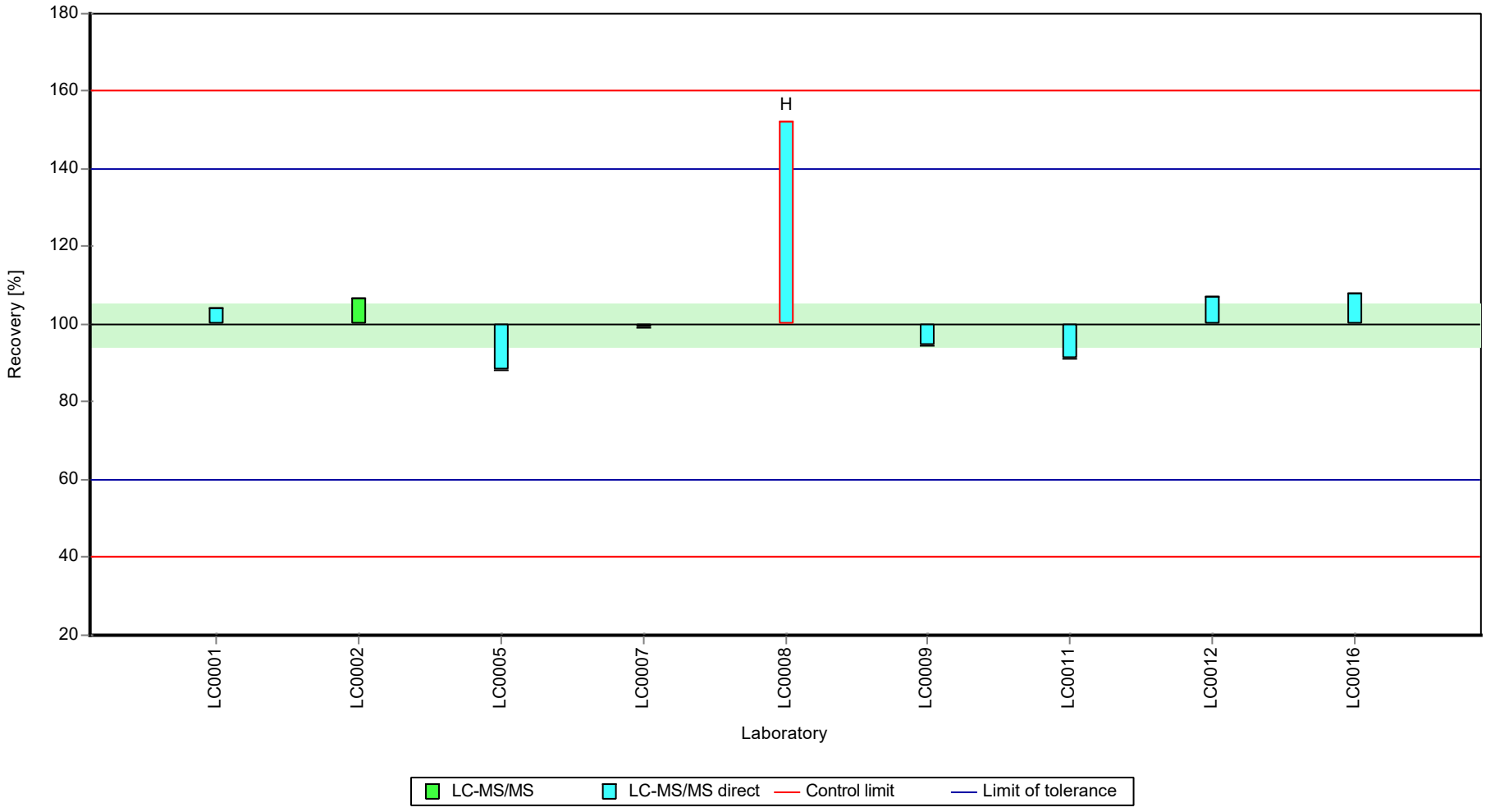
Results



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12

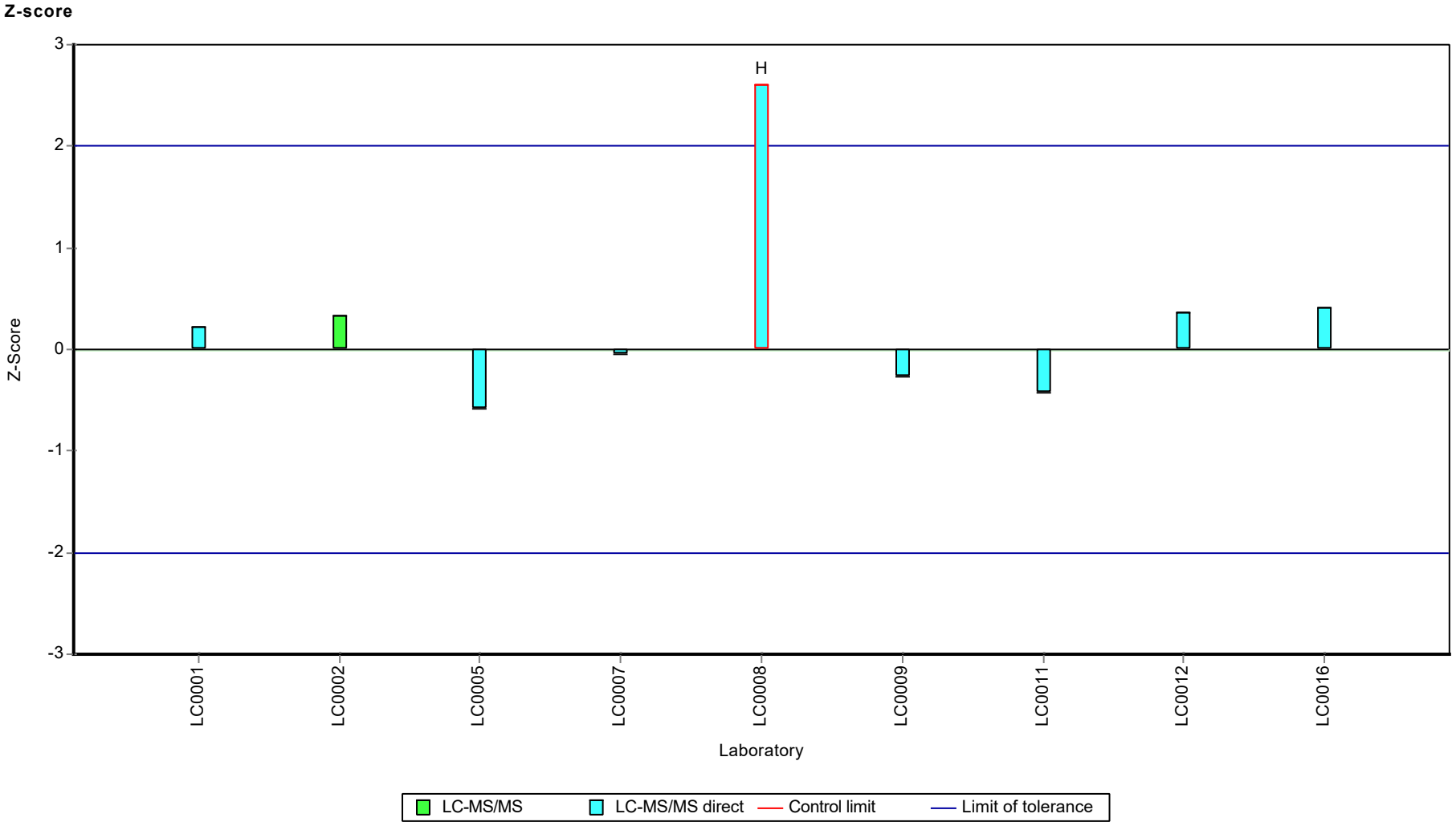
Sample: AZ12A, Parameter: Atenolol

Recovery rate



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12

Sample: AZ12A, Parameter: Atenolol



Parameter oriented report

AZ12 B

Atenolol

Unit	µg/l
Assigned value ± U (k=2)	0.222 ± 0.0313
Criterion	0.0445 (20 %)
Minimum - Maximum	0.158 - 0.279
Control test value ± U (k=2)	0.230 ± 0.069

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.26	0.078	117	0.84	
LC0002	0.239	0.06	107	0.37	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	0.1763	0.01	79.3	-1.04	
LC0006	-	-	-	-	
LC0007	0.279	0.0196	125	1.27	
LC0008	0.158	0.047	71	-1.45	
LC0009	0.27	0.049	121	1.07	
LC0010	-	-	-	-	
LC0011	0.2125	0.02125	95.5	-0.22	
LC0012	0.162	0.0277	72.8	-1.36	
LC0013	-	-	-	-	
LC0014	-	-	-	-	
LC0015	-	-	-	-	
LC0016	0.245	0.0441	110	0.51	

Characteristics of parameter

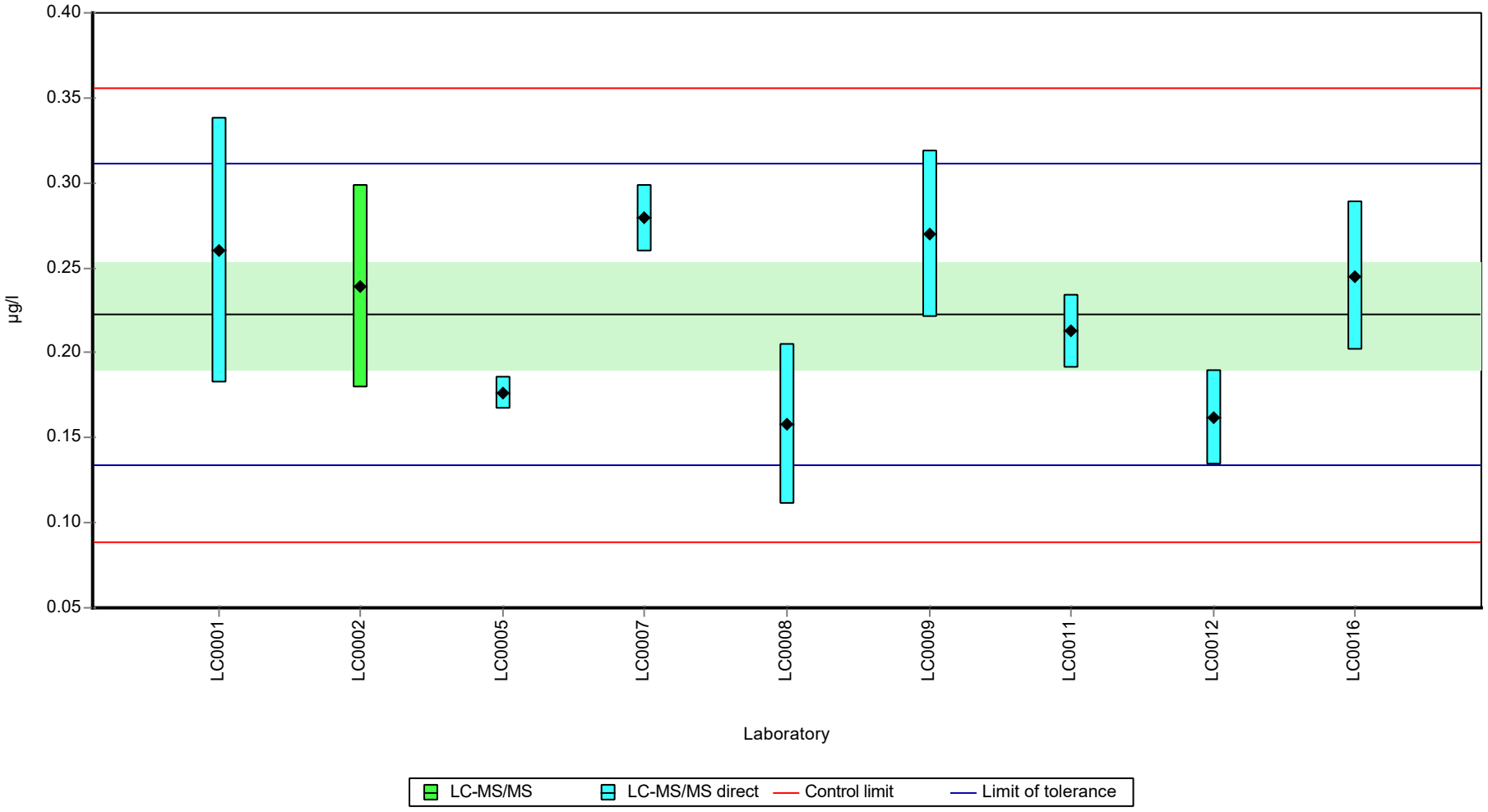
	all results	w ithout outliers	Unit
Mean ± CI (99%)	0.222 ± 0.047	0.222 ± 0.047	µg/l
Minimum	0.158	0.158	µg/l
Maximum	0.279	0.279	µg/l
Standard deviation	0.047	0.047	µg/l
rel. standard deviation	21.1	21.1	%
n	9	9	-

Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12

Sample: AZ12B, Parameter: Atenolol

Graphical presentation of results

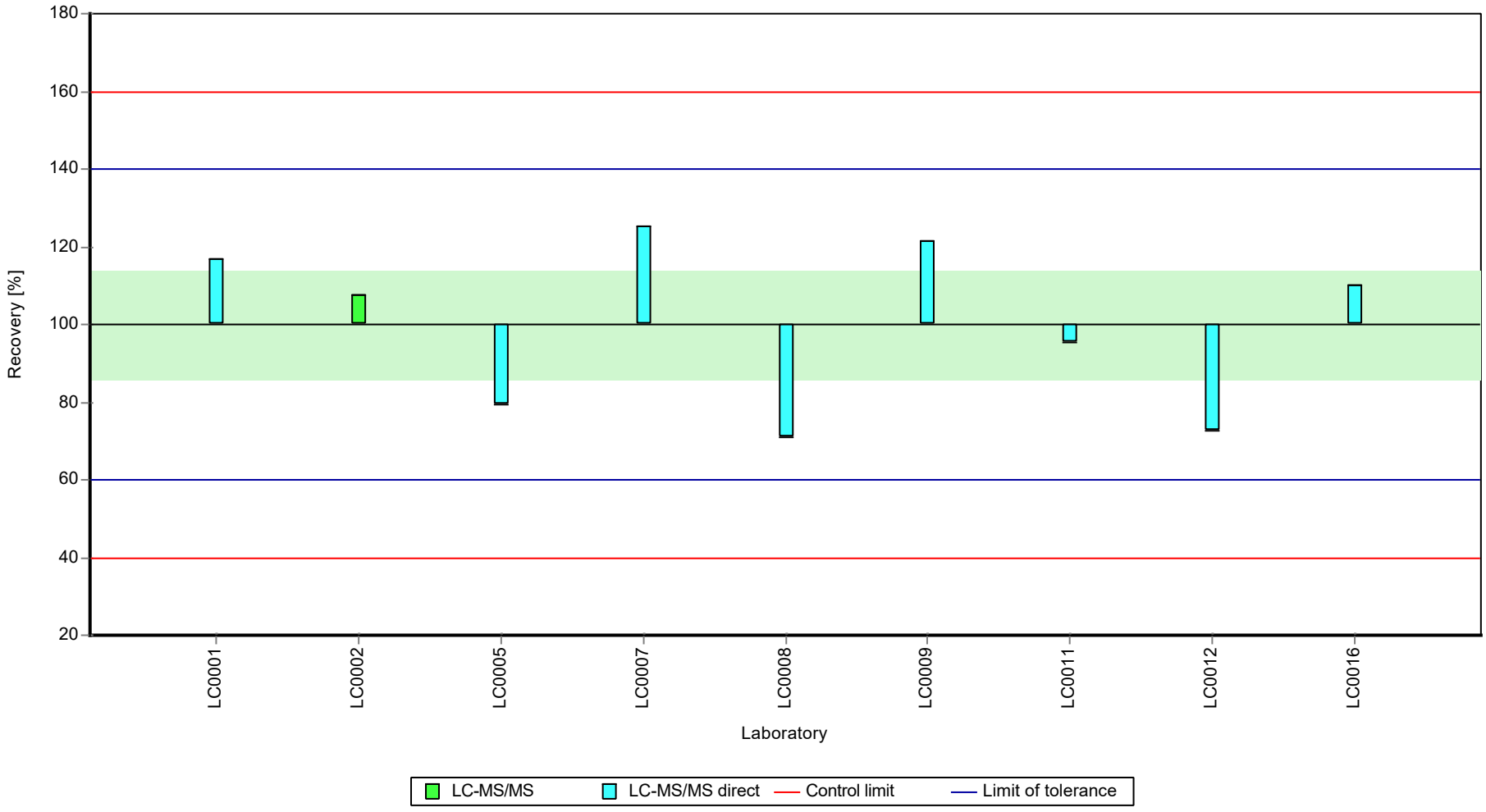
Results



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12

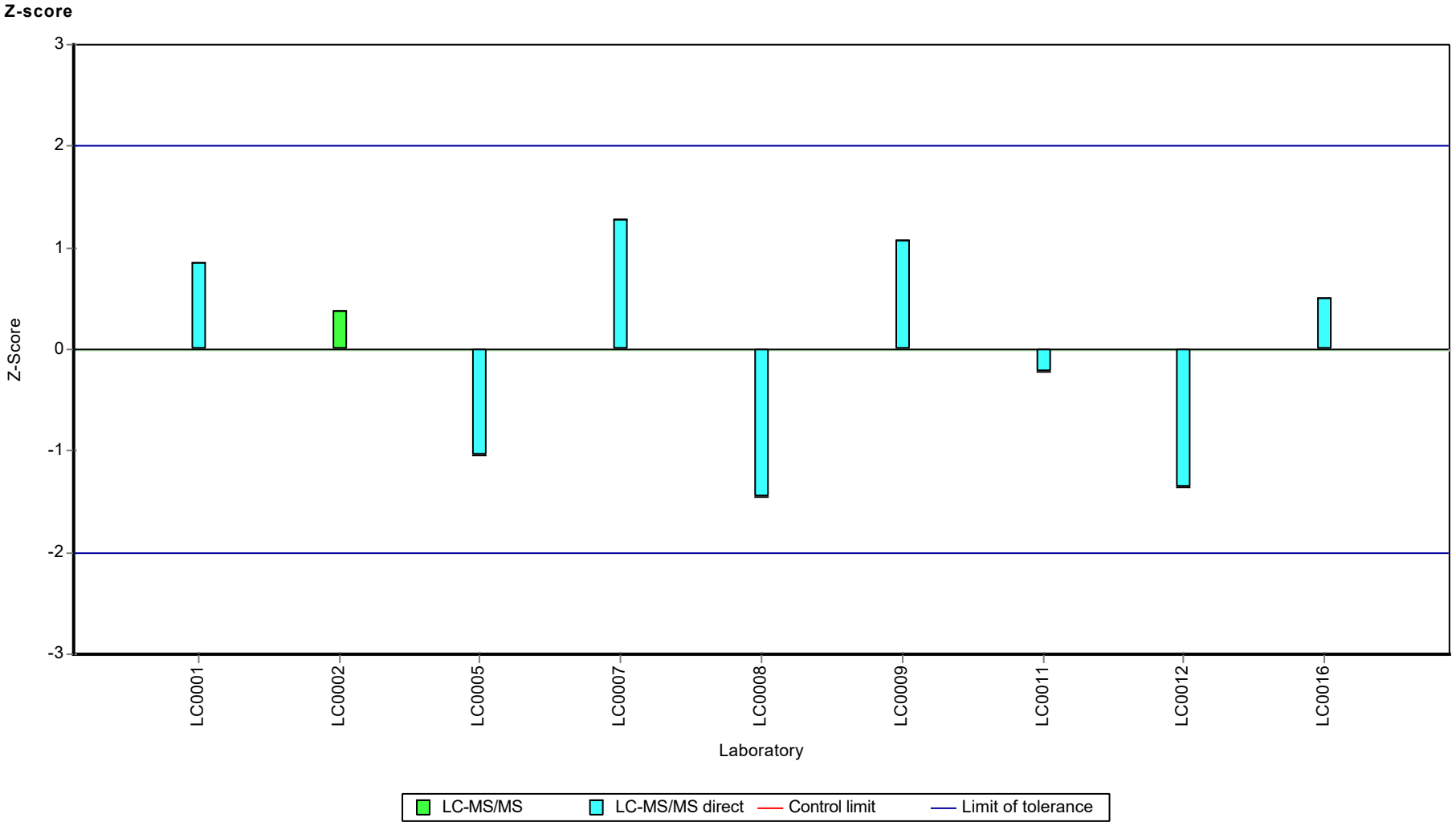
Sample: AZ12B, Parameter: Atenolol

Recovery rate



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12

Sample: AZ12B, Parameter: Atenolol



Parameter oriented report

AZ12 A

Benzotriazole

Unit	µg/l
Assigned value ± U (k=2)	0.294 ± 0.013
Criterion	0.0352 (12 %)
Minimum - Maximum	0.25 - 0.327
Control test value ± U (k=2)	0.344 ± 0.086

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.295	0.089	100	0.04	
LC0002	0.307	0.077	105	0.38	
LC0003	0.2503	0.0751	85.3	-1.23	
LC0004	0.31	0.084	106	0.47	
LC0005	0.2793	0.0265	95.1	-0.4	
LC0006	-	-	-	-	
LC0007	0.282	0.0338	96.1	-0.33	
LC0008	0.418	0.167	142	3.53	H
LC0009	0.281	0.051	95.7	-0.36	
LC0010	-	-	-	-	
LC0011	0.324	0.0324	110	0.86	
LC0012	0.268	0.02948	91.3	-0.73	
LC0013	-	-	-	-	
LC0014	0.296	0.059	101	0.07	
LC0015	0.303	0.03	103	0.27	
LC0016	0.327	0.108	111	0.95	

Characteristics of parameter

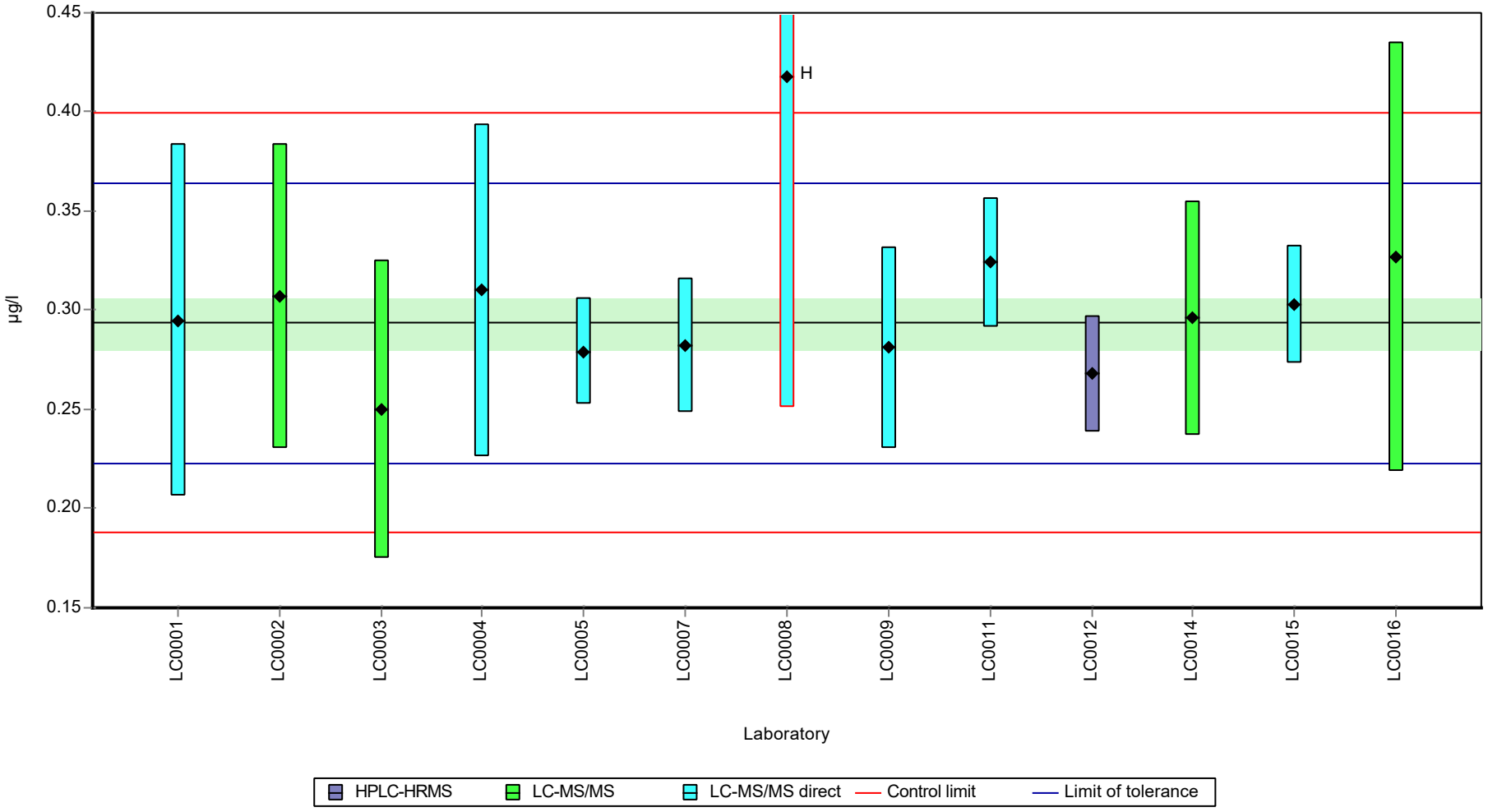
	all results	w ithout outliers	Unit
Mean ± CI (99%)	0.303 ± 0.0339	0.294 ± 0.0196	µg/l
Minimum	0.25	0.25	µg/l
Maximum	0.418	0.327	µg/l
Standard deviation	0.0407	0.0226	µg/l
rel. standard deviation	13.4	7.69	%
n	13	12	-

Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12

Sample: AZ12A, Parameter: Benzotriazole

Graphical presentation of results

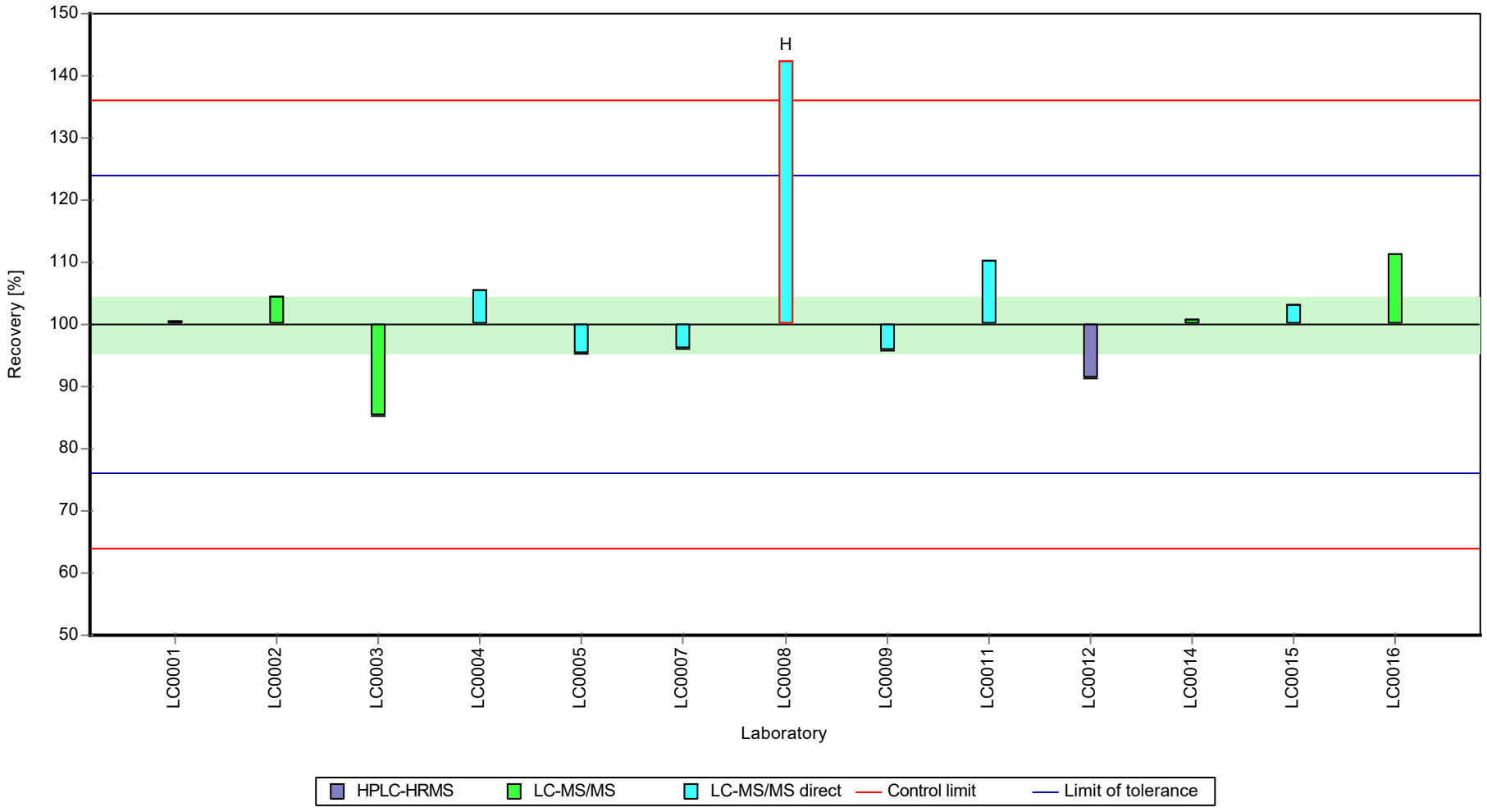
Results



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12

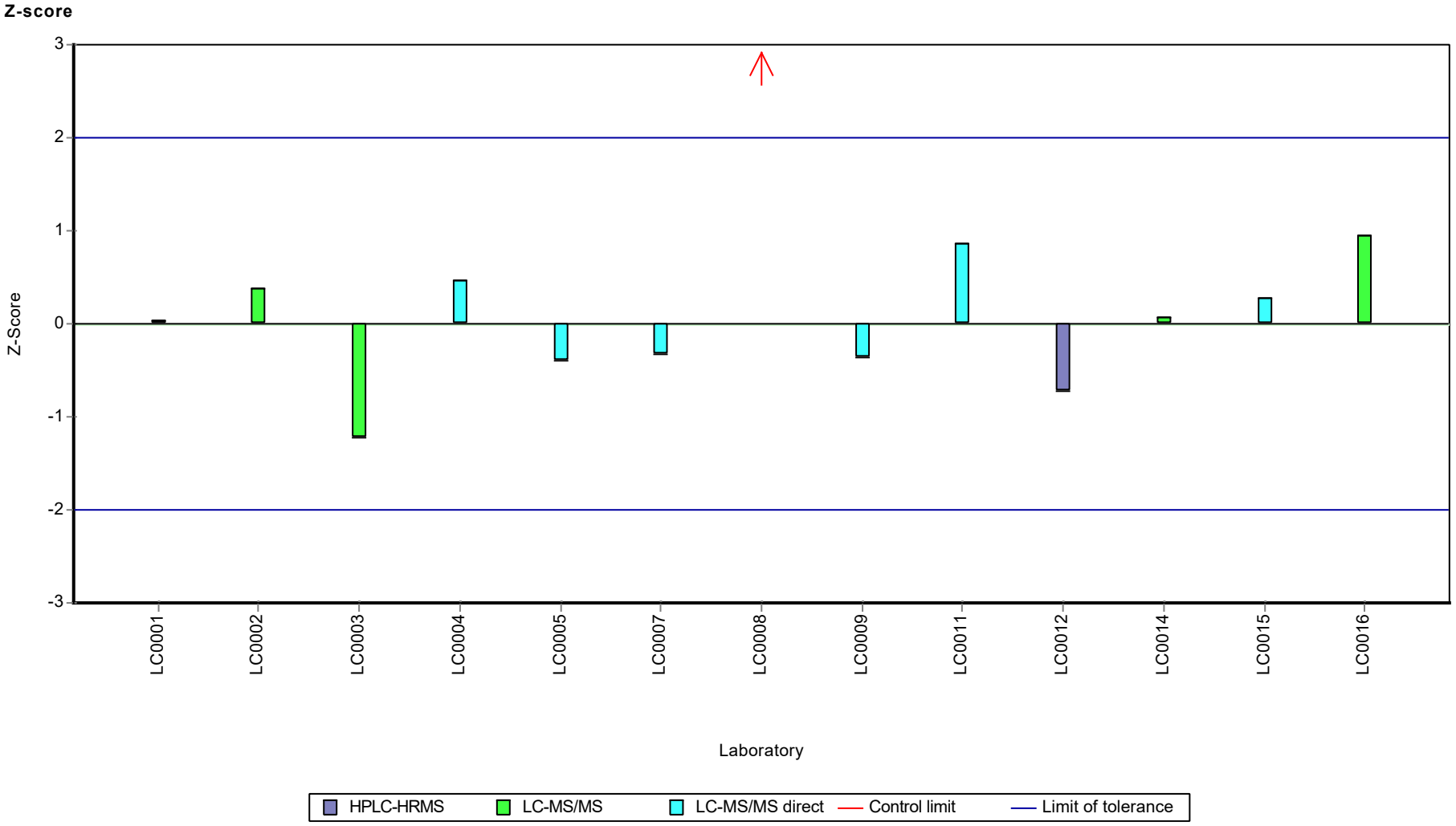
Sample: AZ12A, Parameter: Benzotriazole

Recovery rate



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12

Sample: AZ12A, Parameter: Benzotriazole



Parameter oriented report

AZ12 B

Benzotriazole

Unit	µg/l
Assigned value ± U (k=2)	7.12 ± 0.405
Criterion	0.855 (12 %)
Minimum - Maximum	6.17 - 8.24
Control test value ± U (k=2)	6.92 ± 1.73

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	6.7	2	94.1	-0.49	
LC0002	7.909	1.977	111	0.92	
LC0003	3.065	0.9195	43	-4.75	H
LC0004	7.5	2	105	0.44	
LC0005	6.1657	0.143	86.6	-1.12	
LC0006	-	-	-	-	
LC0007	8.24	0.659	116	1.31	
LC0008	7.46	2.98	105	0.4	
LC0009	6.418	1.155	90.1	-0.82	
LC0010	-	-	-	-	
LC0011	7.286	0.7286	102	0.19	
LC0012	6.55	0.7205	92	-0.67	
LC0013	-	-	-	-	
LC0014	6.54	1.31	91.8	-0.68	
LC0015	6.665	0.65	93.6	-0.53	
LC0016	8.02	2.65	113	1.05	

Characteristics of parameter

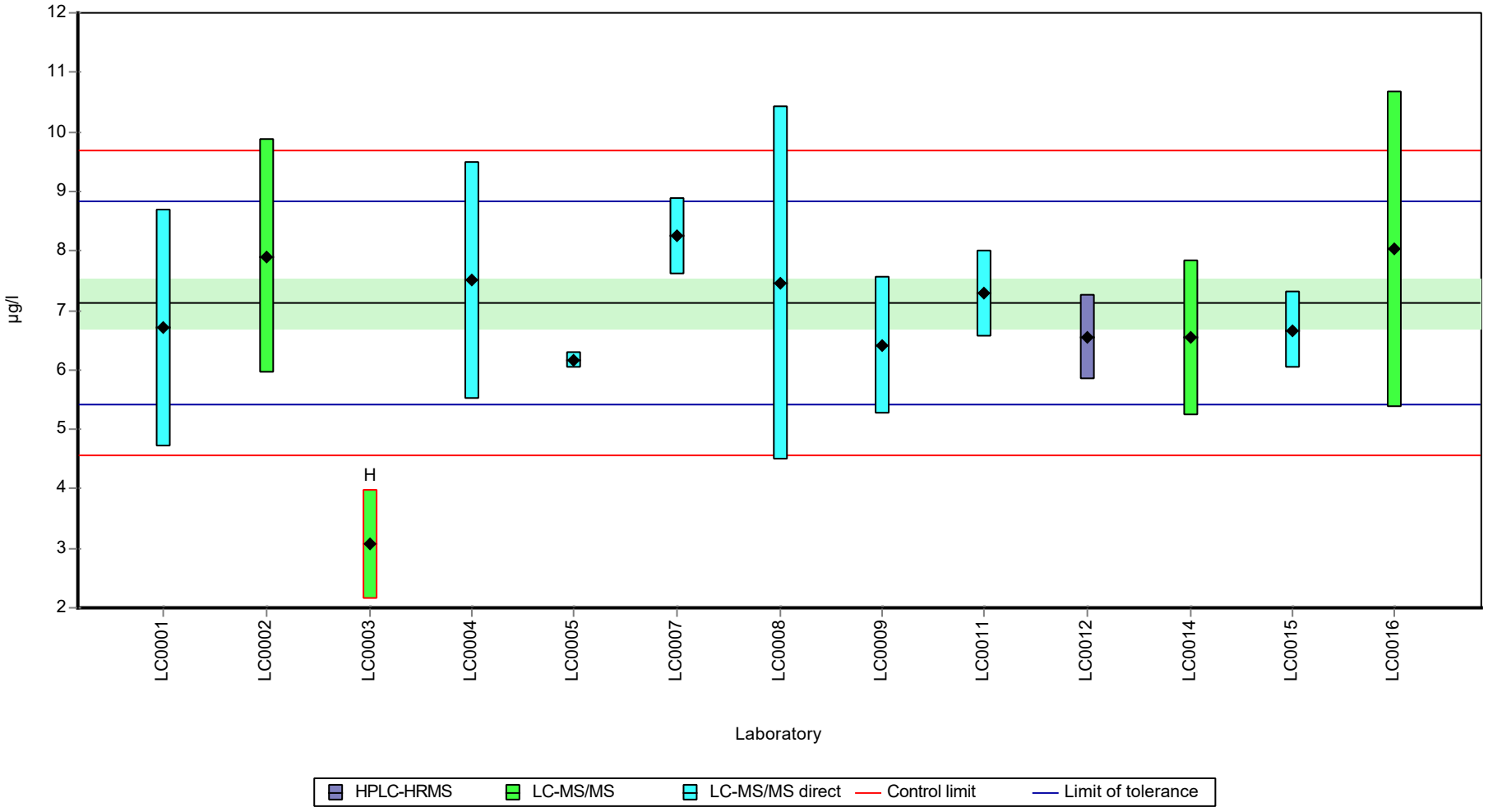
	all results	w ithout outliers	Unit
Mean ± CI (99%)	6.81 ± 1.09	7.12 ± 0.608	µg/l
Minimum	3.07	6.17	µg/l
Maximum	8.24	8.24	µg/l
Standard deviation	1.31	0.702	µg/l
rel. standard deviation	19.2	9.86	%
n	13	12	-

Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12

Sample: AZ12B, Parameter: Benzotriazole

Graphical presentation of results

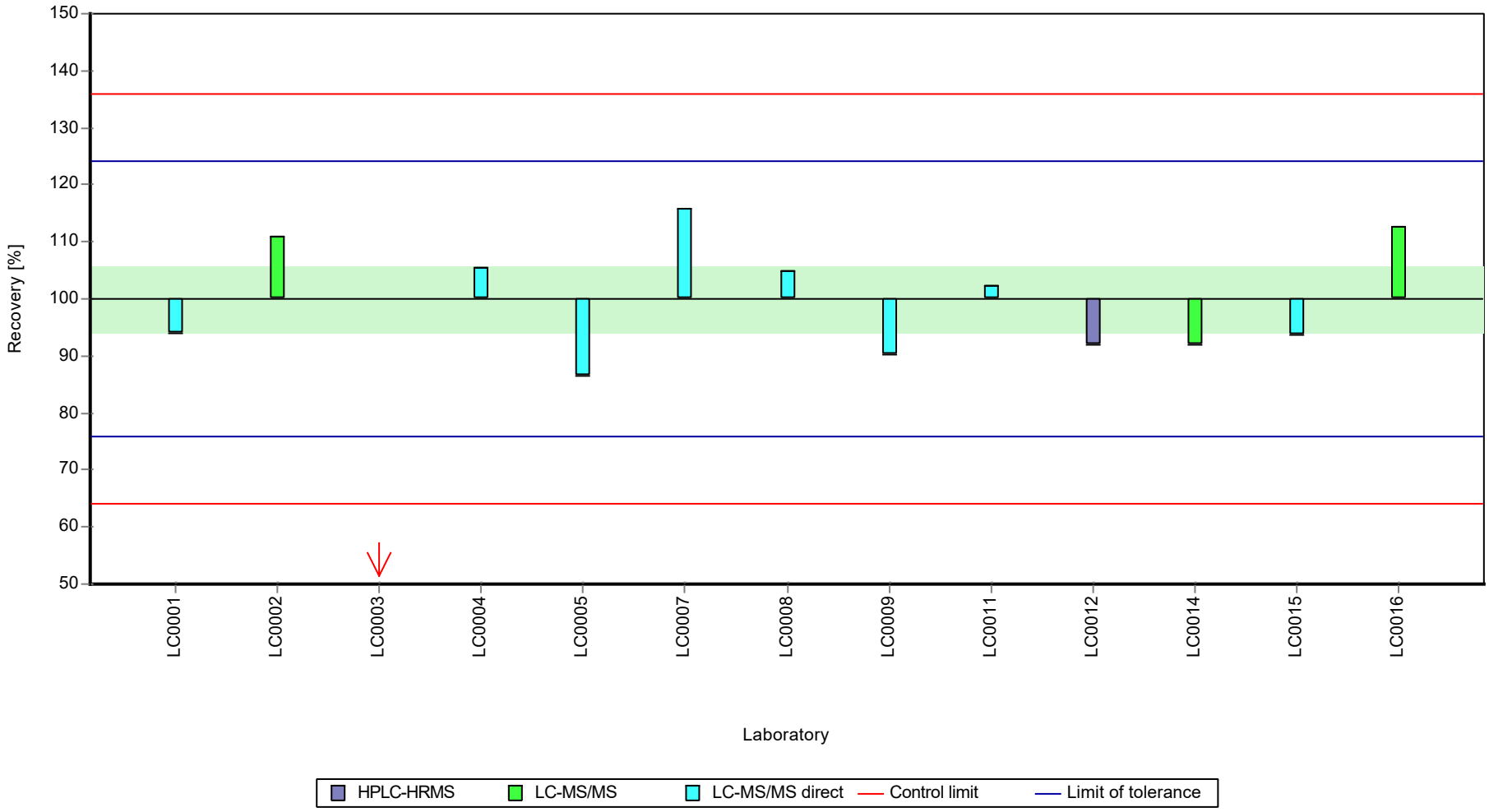
Results



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12

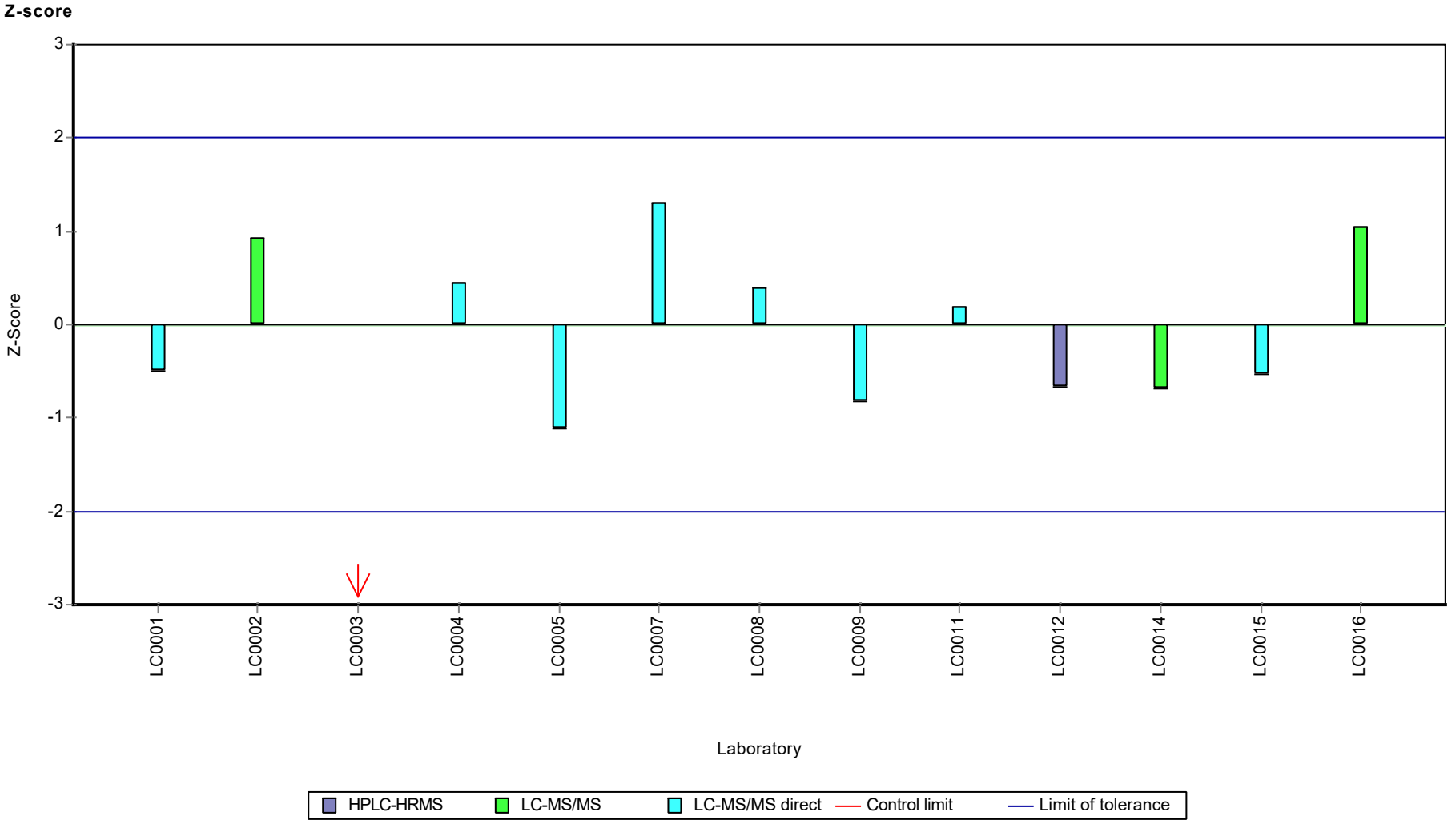
Sample: AZ12B, Parameter: Benzotriazole

Recovery rate



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12

Sample: AZ12B, Parameter: Benzotriazole



Parameter oriented report

AZ12 A

Bisoprolol*

Unit	µg/l
Assigned value ± U (k=2)	-
Criterion	-
Minimum - Maximum	0.13 - 0.163
Control test value ± U (k=2)	0.167 ± 0.0333

*The calculated mean value MV +/- U(k=2) based on the data of the laboratories (n) after outlier removal is listed for information.

This can be used for comparison as part of your internal QA measures: MV (n=5) +/- U(k=2): 0.151 +/- 0.0129 µg/l

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	-	-	-	-	
LC0004	0.13	0.056	-	-	
LC0005	-	-	-	-	
LC0006	-	-	-	-	
LC0007	-	-	-	-	
LC0008	0.394	0.079	-	-	H
LC0009	-	-	-	-	
LC0010	0.1625	0.0239	-	-	
LC0011	0.158	0.0158	-	-	
LC0012	0.143	0.01338	-	-	
LC0013	-	-	-	-	
LC0014	-	-	-	-	
LC0015	-	-	-	-	
LC0016	0.163	0.0358	-	-	

Characteristics of parameter

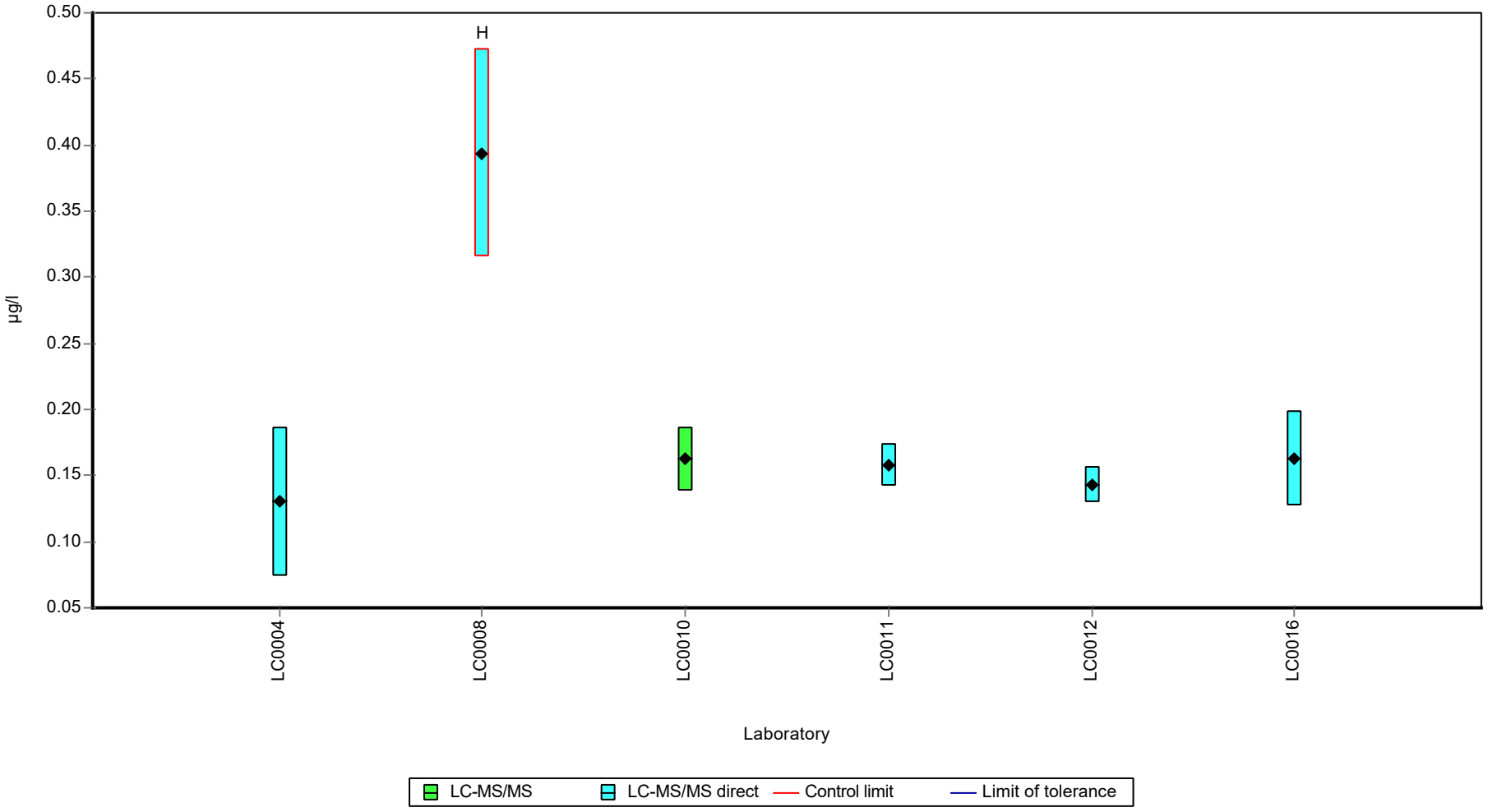
	all results	w ithout outliers	Unit
Mean ± CI (99%)	0.192 ± 0.122	-	µg/l
Minimum	0.13	0.13	µg/l
Maximum	0.394	0.163	µg/l
Standard deviation	0.0999	-	µg/l
rel. standard deviation	52.1	-	%
n	6	5	-

Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12

Sample: AZ12A, Parameter: Bisoprolol

Graphical presentation of results

Results



Parameter oriented report

AZ12 B

Bisoprolol*

Unit	µg/l
Assigned value ± U (k=2)	-
Criterion	-
Minimum - Maximum	0.344 - 0.391
Control test value ± U (k=2)	0.417 ± 0.0833

*The calculated mean value MV +/- U(k=2) based on the data of the laboratories (n) after outlier removal is listed for information.

This can be used for comparison as part of your internal QA measures: MV (n=5) +/- U(k=2): 0.366 +/- 0.0187 µg/l

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	-	-	-	-	
LC0004	0.35	0.15	-	-	
LC0005	-	-	-	-	
LC0006	-	-	-	-	
LC0007	-	-	-	-	
LC0008	0.178	0.036	-	-	H
LC0009	-	-	-	-	
LC0010	0.3911	0.0575	-	-	
LC0011	0.362	0.0362	-	-	
LC0012	0.344	0.0322	-	-	
LC0013	-	-	-	-	
LC0014	-	-	-	-	
LC0015	-	-	-	-	
LC0016	0.385	0.0847	-	-	

Characteristics of parameter

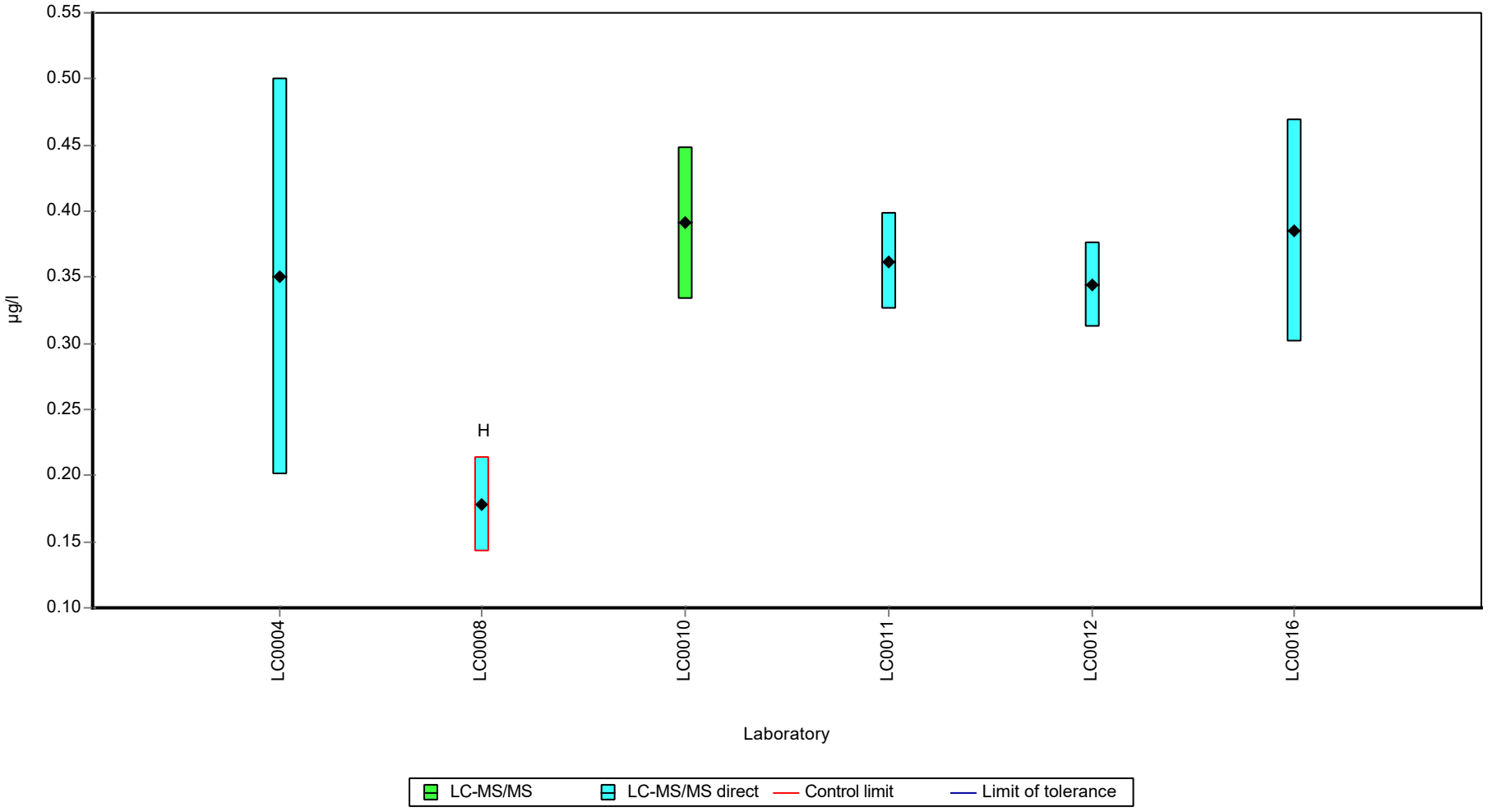
	all results	w ithout outliers	Unit
Mean ± CI (99%)	0.335 ± 0.097	-	µg/l
Minimum	0.178	0.344	µg/l
Maximum	0.391	0.391	µg/l
Standard deviation	0.0792	-	µg/l
rel. standard deviation	23.6	-	%
n	6	5	-

Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12

Sample: AZ12B, Parameter: Bisoprolol

Graphical presentation of results

Results



Parameter oriented report

AZ12 A

Carbamazepine

Unit	µg/l
Assigned value ± U (k=2)	0.152 ± 0.0109
Criterion	0.0198 (13 %)
Minimum - Maximum	0.109 - 0.189
Control test value ± U (k=2)	0.152 ± 0.0379

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.155	0.047	102	0.14	
LC0002	0.162	0.04	106	0.49	
LC0003	0.1425	0.0427	93.6	-0.49	
LC0004	0.15	0.022	98.5	-0.11	
LC0005	0.1091	0.0086	71.7	-2.18	
LC0006	0.0533	0.0107	35	-5	H
LC0007	0.152	0.0091	99.9	-0.01	
LC0008	0.444	0.178	292	14.75	H
LC0009	0.158	0.028	104	0.29	
LC0010	0.1341	0.0265	88.1	-0.92	
LC0011	0.175	0.0175	115	1.15	
LC0012	0.189	0.00737	124	1.86	
LC0013	-	-	-	-	
LC0014	0.139	0.028	91.3	-0.67	
LC0015	0.148	0.01	97.2	-0.21	
LC0016	0.165	0.0313	108	0.65	

Characteristics of parameter

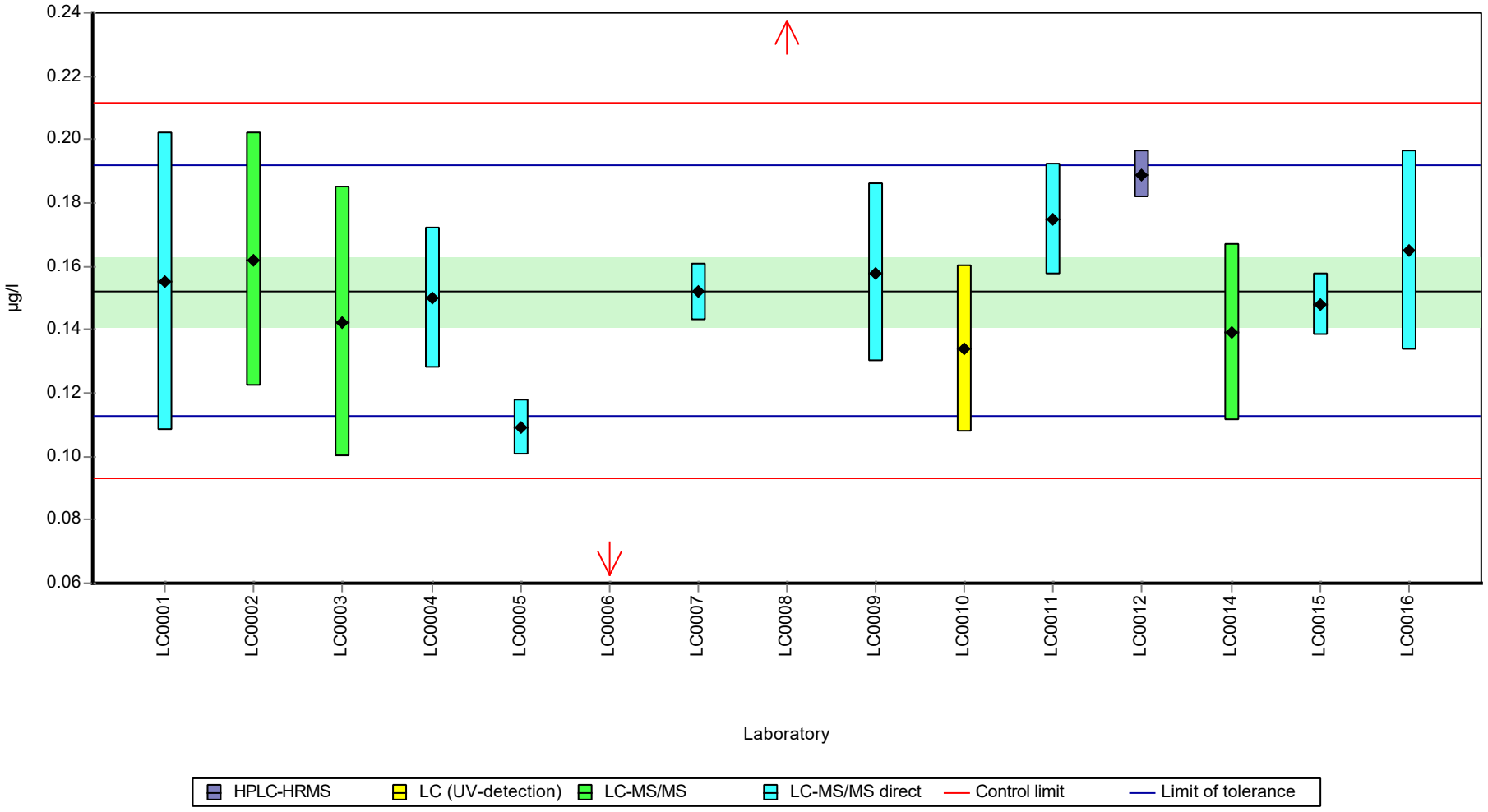
	all results	w ithout outliers	Unit
Mean ± CI (99%)	0.165 ± 0.0645	0.152 ± 0.0164	µg/l
Minimum	0.0533	0.109	µg/l
Maximum	0.444	0.189	µg/l
Standard deviation	0.0833	0.0197	µg/l
rel. standard deviation	50.5	12.9	%
n	15	13	-

Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12

Sample: AZ12A, Parameter: Carbamazepine

Graphical presentation of results

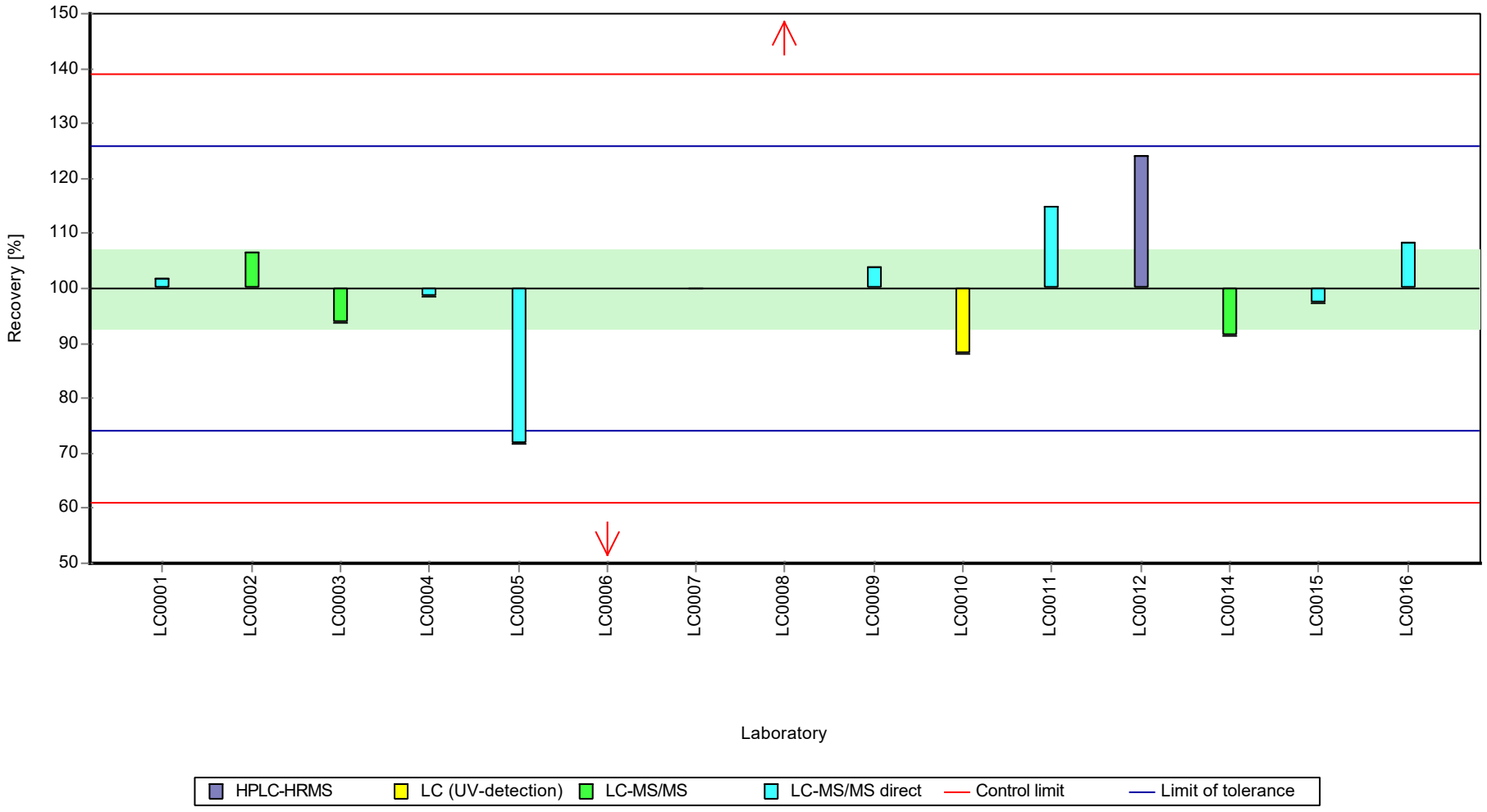
Results



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12

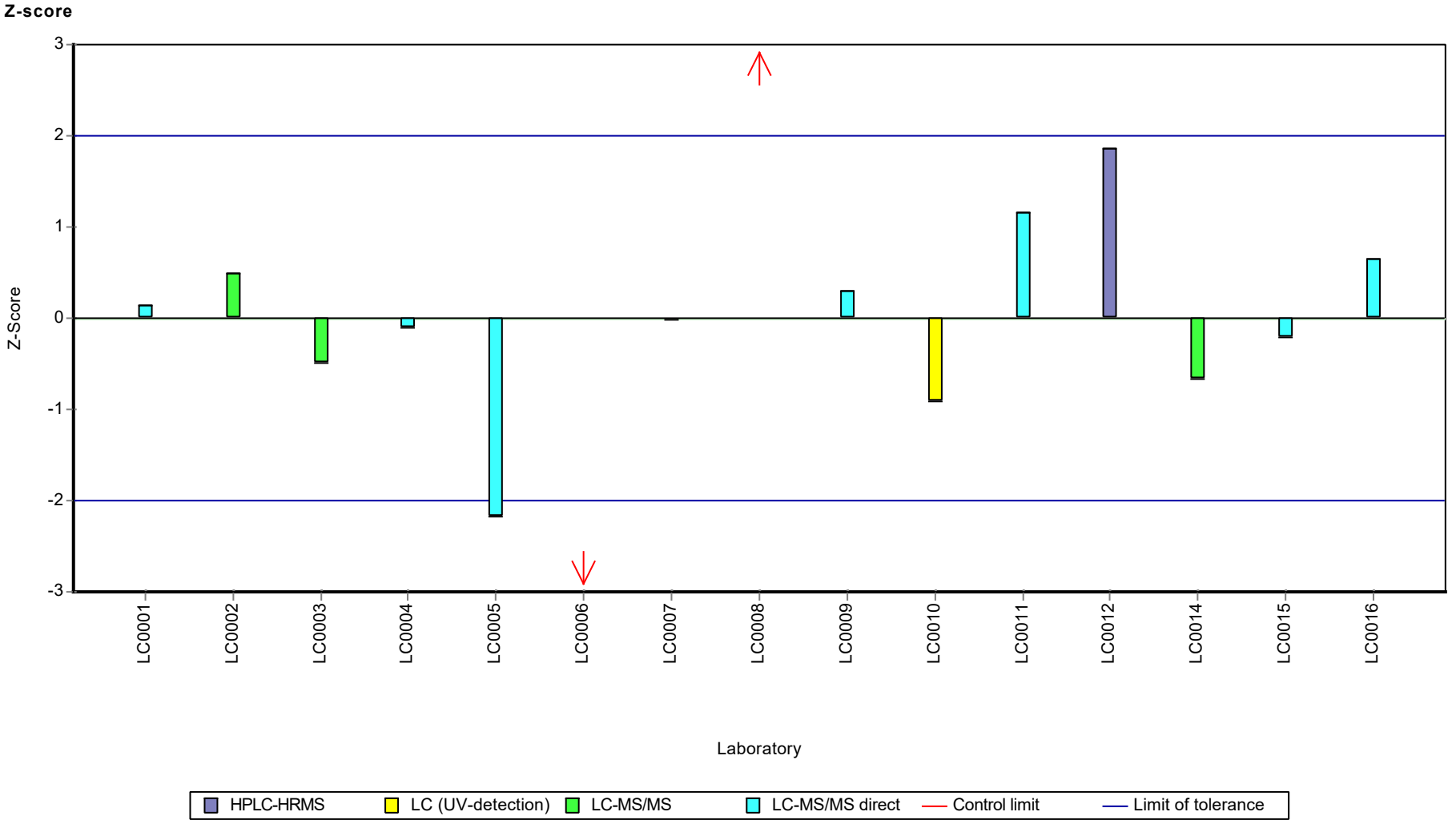
Sample: AZ12A, Parameter: Carbamazepine

Recovery rate



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12

Sample: AZ12A, Parameter: Carbamazepine



Parameter oriented report

AZ12 B

Carbamazepine

Unit	µg/l
Assigned value ± U (k=2)	0.405 ± 0.0203
Criterion	0.0527 (13 %)
Minimum - Maximum	0.341 - 0.472
Control test value ± U (k=2)	0.401 ± 0.1

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.395	0.12	97.5	-0.19	
LC0002	0.412	0.103	102	0.13	
LC0003	0.3407	0.1022	84.1	-1.22	
LC0004	0.42	0.062	104	0.28	
LC0005	0.3603	0.016	88.9	-0.85	
LC0006	0.1428	0.0286	35.2	-4.98	H
LC0007	0.421	0.0253	104	0.3	
LC0008	0.182	0.073	44.9	-4.24	H
LC0009	0.42	0.076	104	0.28	
LC0010	0.3697	0.0732	91.2	-0.67	
LC0011	0.472	0.0472	116	1.27	
LC0012	0.435	0.01697	107	0.57	
LC0013	-	-	-	-	
LC0014	0.425	0.085	105	0.38	
LC0015	0.367	0.03	90.6	-0.73	
LC0016	0.43	0.0816	106	0.47	

Characteristics of parameter

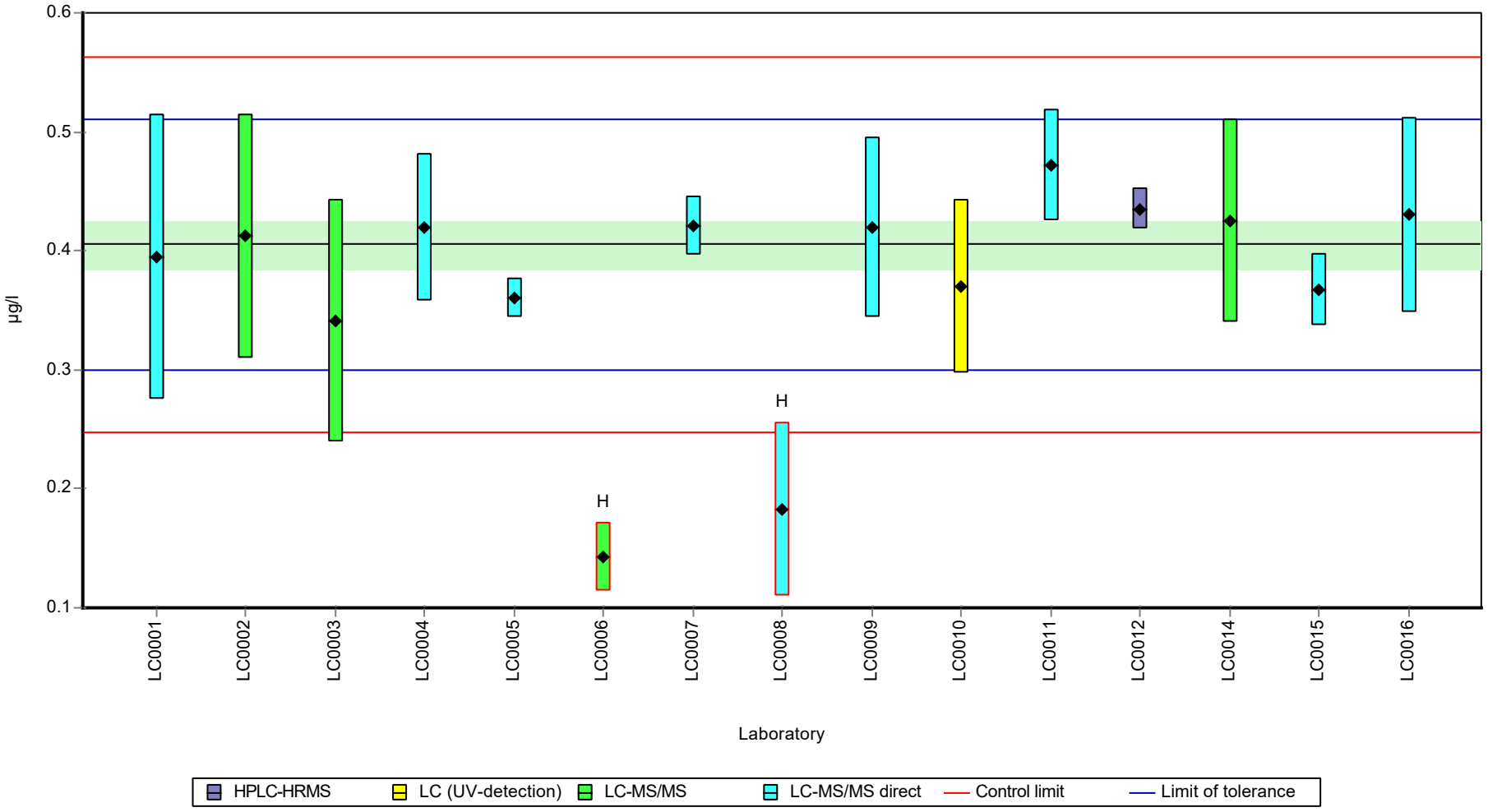
	all results	w ithout outliers	Unit
Mean ± CI (99%)	0.373 ± 0.0714	0.405 ± 0.0305	µg/l
Minimum	0.143	0.341	µg/l
Maximum	0.472	0.472	µg/l
Standard deviation	0.0922	0.0366	µg/l
rel. standard deviation	24.7	9.04	%
n	15	13	-

Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12

Sample: AZ12B, Parameter: Carbamazepine

Graphical presentation of results

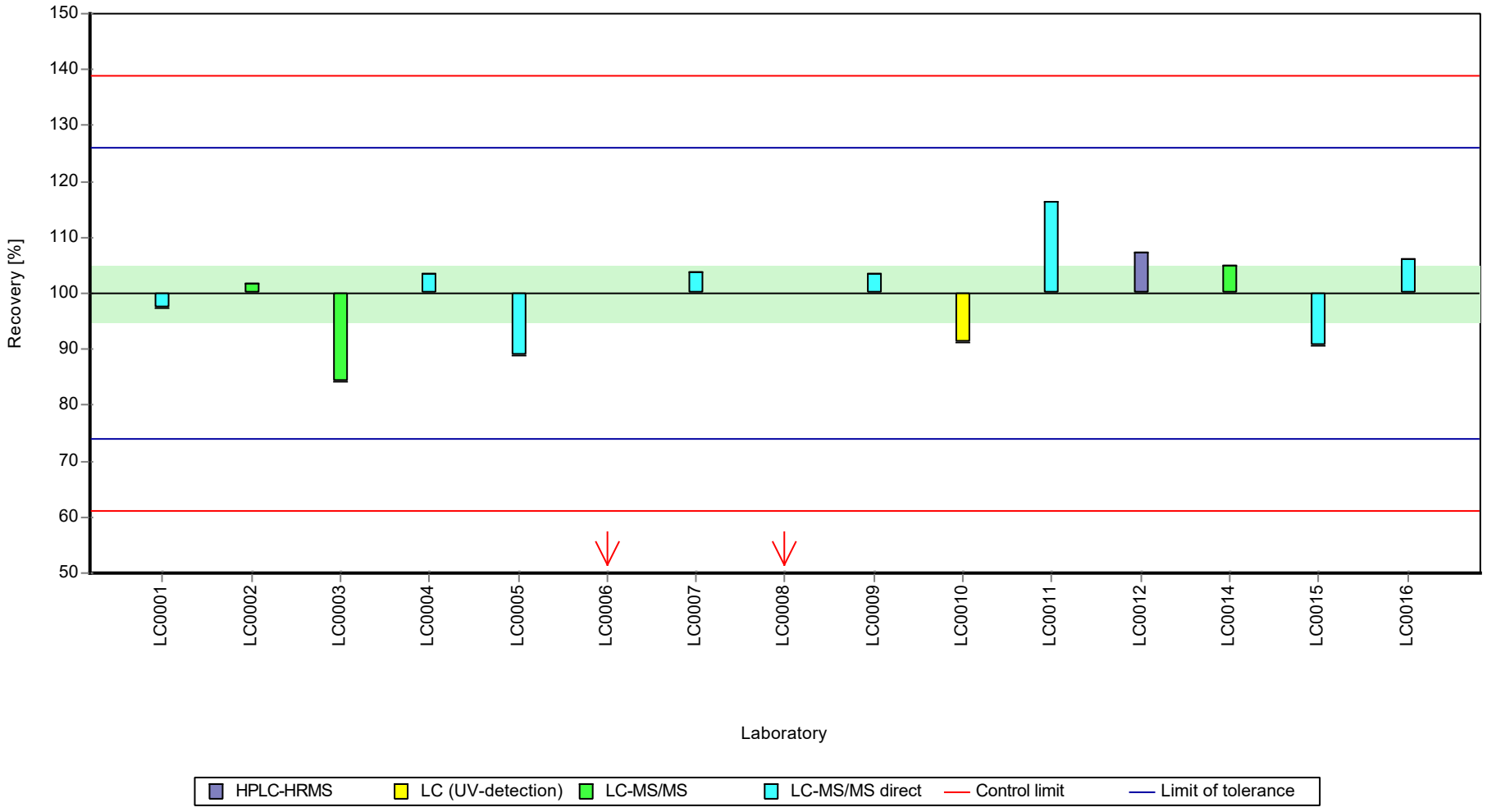
Results



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12

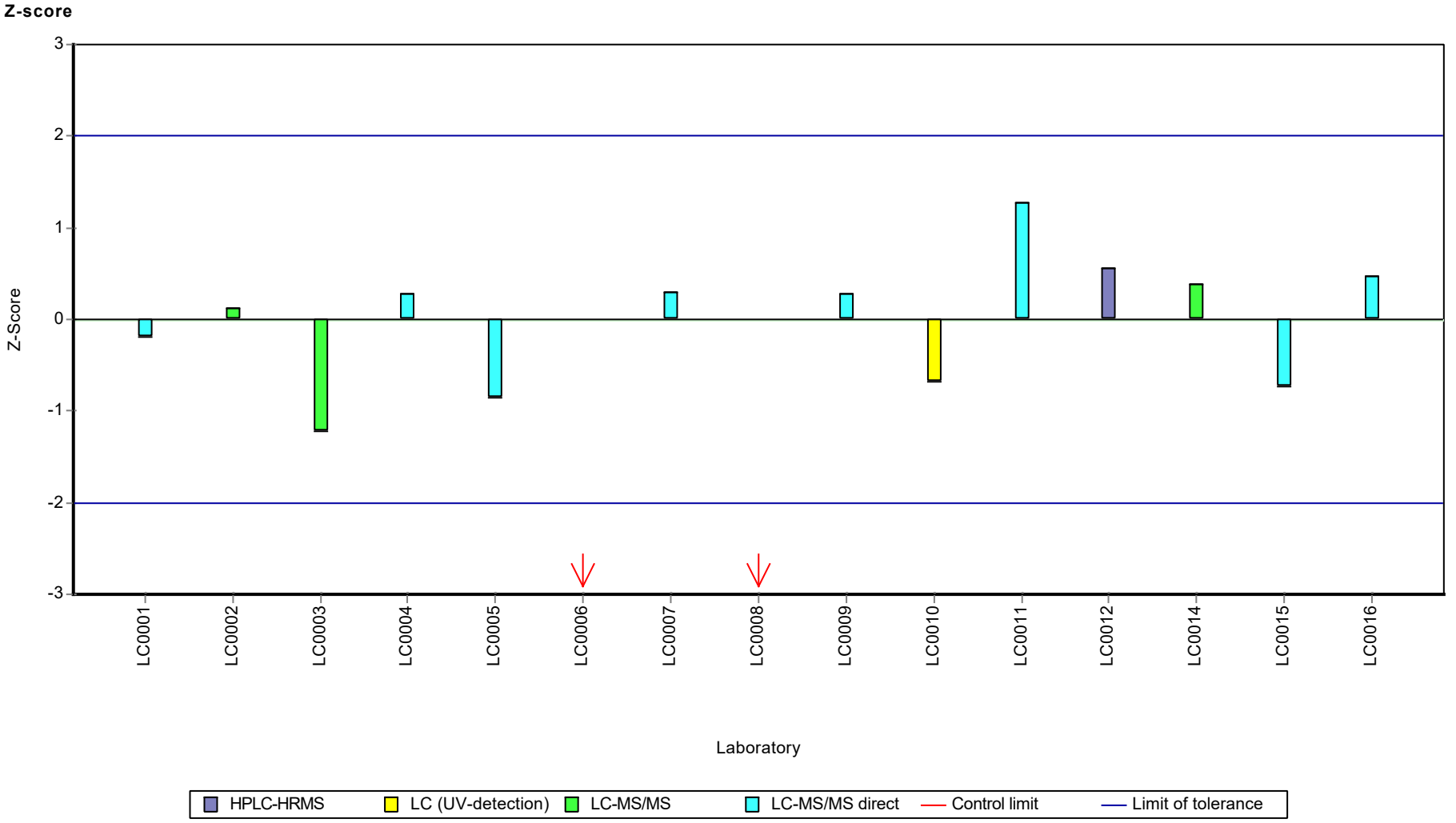
Sample: AZ12B, Parameter: Carbamazepine

Recovery rate



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12

Sample: AZ12B, Parameter: Carbamazepine



Parameter oriented report

AZ12 A

Cyclamate

Unit	µg/l
Assigned value ± U (k=2)	0.174 ± 0.0371
Criterion	0.0522 (30 %)
Minimum - Maximum	0.117 - 0.265
Control test value ± U (k=2)	0.149 ± 0.0448

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	-	-	-	-	
LC0006	-	-	-	-	
LC0007	0.183	0.0165	105	0.17	
LC0008	0.241	0.097	138	1.28	
LC0009	0.137	0.025	78.7	-0.71	
LC0010	0.1546	0.0134	88.8	-0.37	
LC0011	0.142	0.0142	81.6	-0.61	
LC0012	-	-	-	-	
LC0013	0.153	0.024	87.9	-0.4	
LC0014	0.265	0.053	152	1.74	
LC0015	-	-	-	-	
LC0016	0.117	0.0199	67.2	-1.09	

Characteristics of parameter

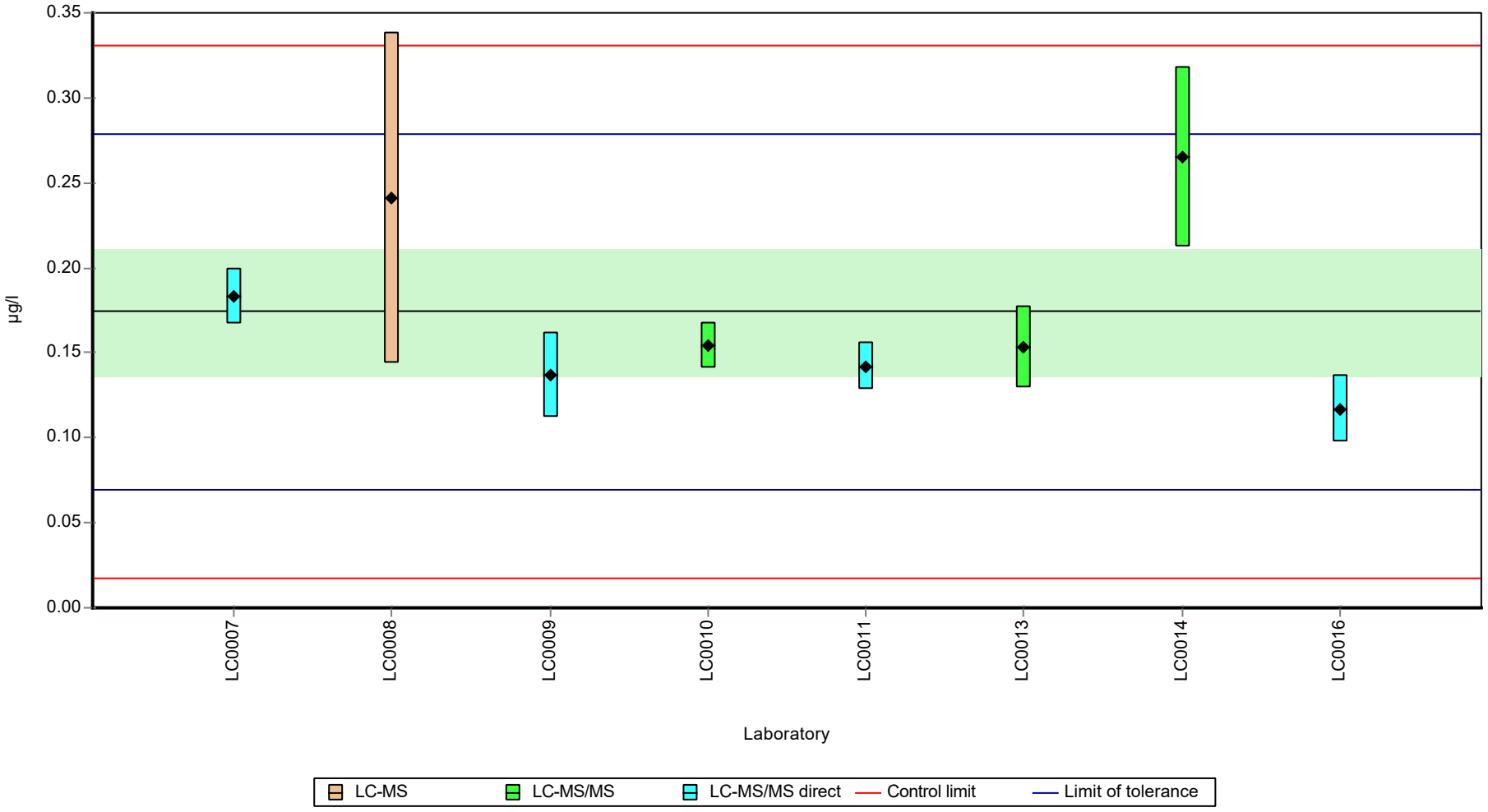
	all results	w ithout outliers	Unit
Mean ± CI (99%)	0.174 ± 0.0557	0.174 ± 0.0557	µg/l
Minimum	0.117	0.117	µg/l
Maximum	0.265	0.265	µg/l
Standard deviation	0.0525	0.0525	µg/l
rel. standard deviation	30.2	30.2	%
n	8	8	-

Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12

Sample: AZ12A, Parameter: Cyclamate

Graphical presentation of results

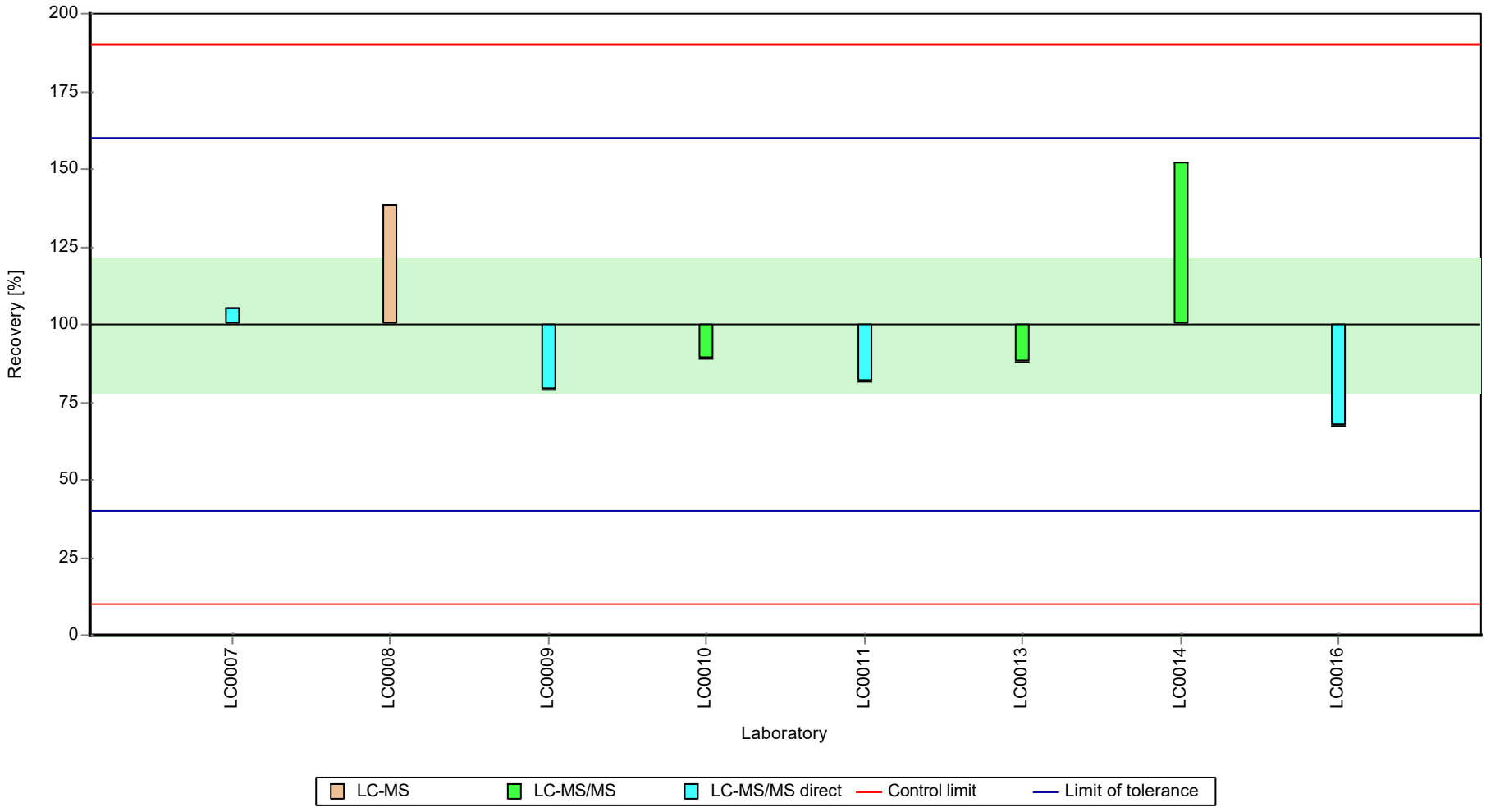
Results



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12

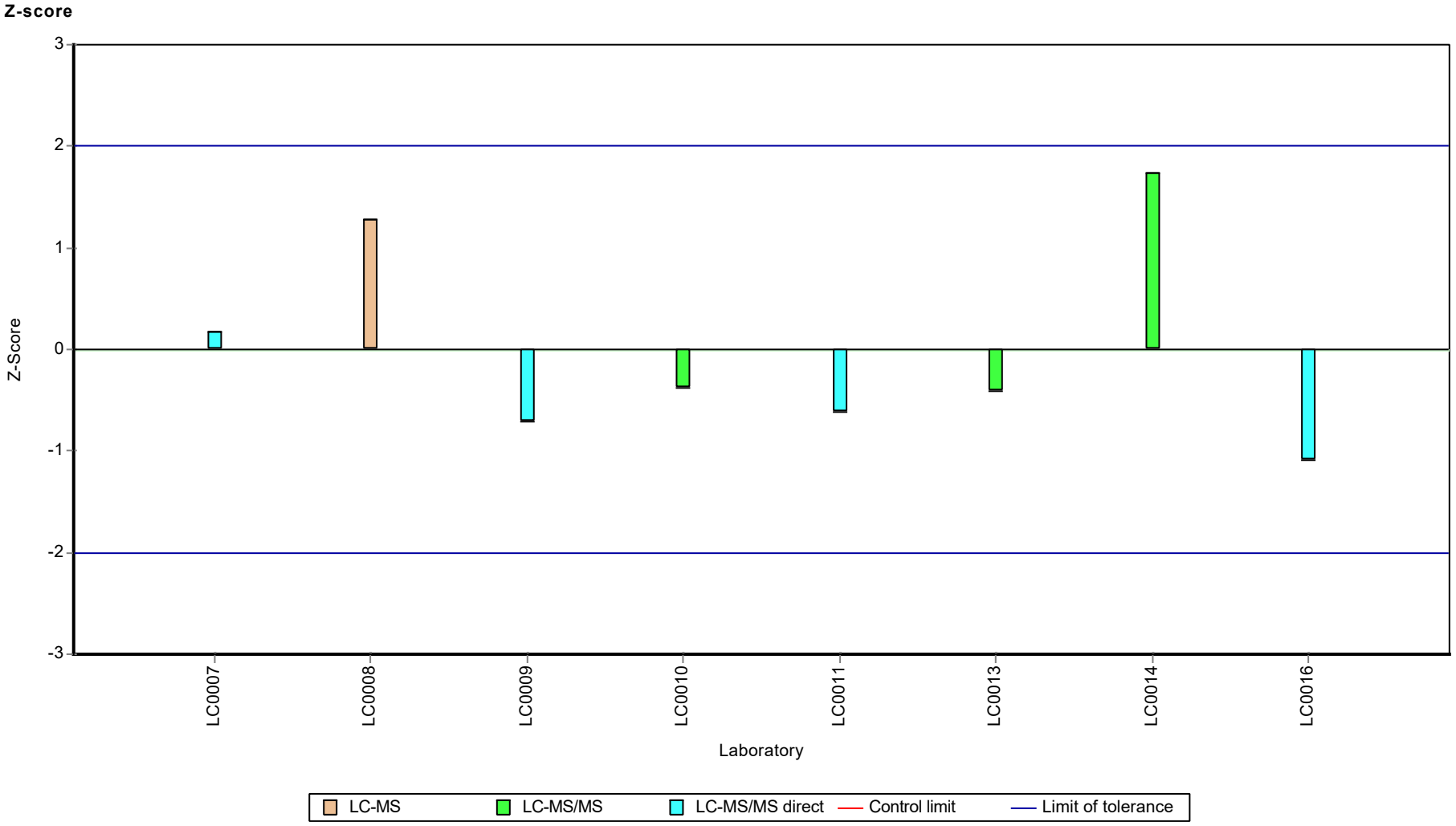
Sample: AZ12A, Parameter: Cyclamate

Recovery rate



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12

Sample: AZ12A, Parameter: Cyclamate



Parameter oriented report

AZ12 B

Cyclamate

Unit	µg/l
Assigned value ± U (k=2)	0.16 ± 0.0189
Criterion	0.032 (20 %)
Minimum - Maximum	0.127 - 0.188
Control test value ± U (k=2)	0.179 ± 0.0538

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	-	-	-	-	
LC0006	-	-	-	-	
LC0007	0.343	0.0308	215	5.73	H
LC0008	0.138	0.055	86.4	-0.68	
LC0009	0.177	0.032	111	0.54	
LC0010	0.1825	0.0158	114	0.71	
LC0011	0.127	0.0127	79.5	-1.03	
LC0012	-	-	-	-	
LC0013	0.169	0.027	106	0.29	
LC0014	0.188	0.038	118	0.88	
LC0015	-	-	-	-	
LC0016	0.137	0.0232	85.7	-0.71	

Characteristics of parameter

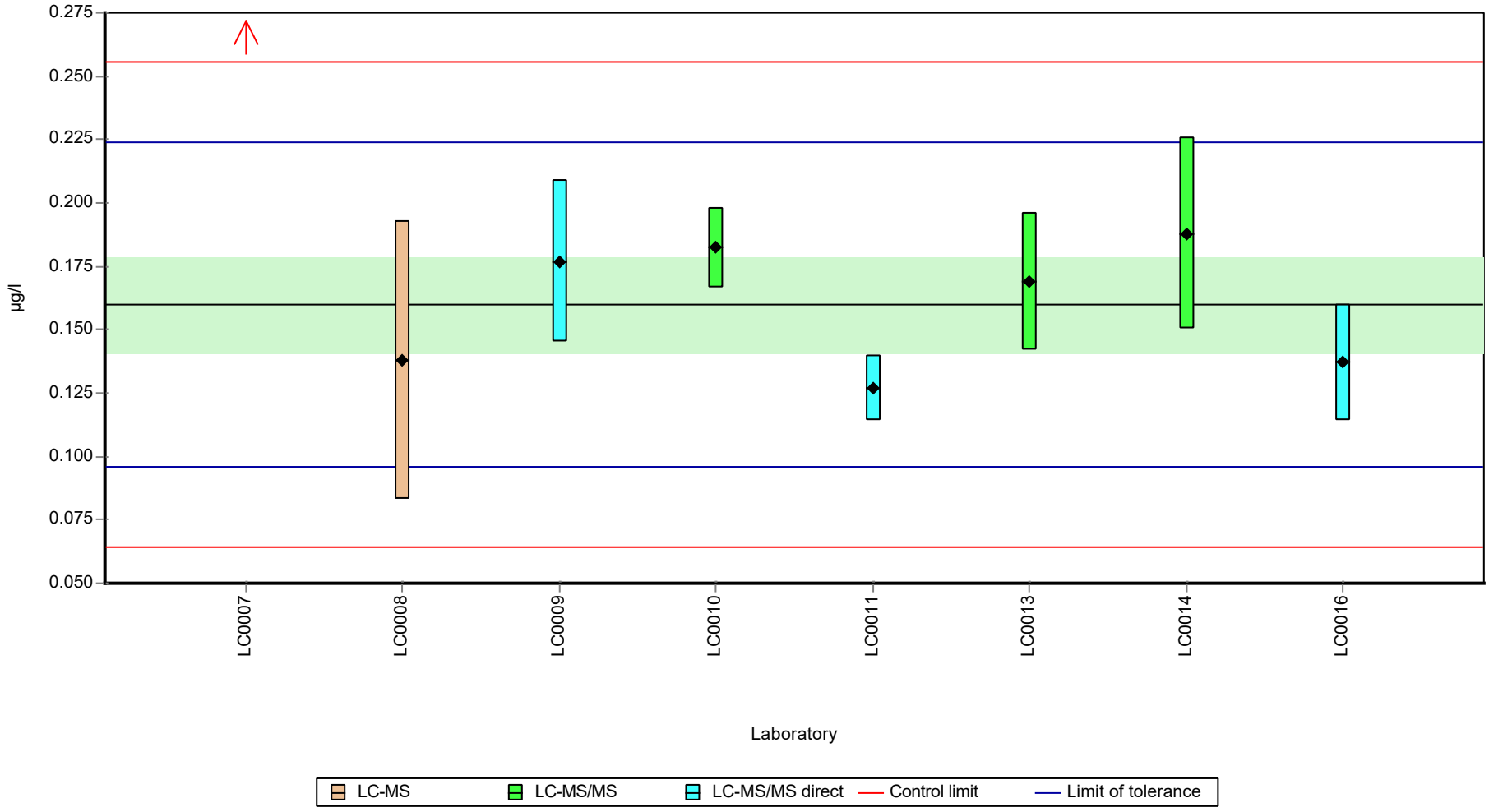
	all results	w ithout outliers	Unit
Mean ± CI (99%)	0.183 ± 0.073	0.16 ± 0.0284	µg/l
Minimum	0.127	0.127	µg/l
Maximum	0.343	0.188	µg/l
Standard deviation	0.0688	0.025	µg/l
rel. standard deviation	37.7	15.7	%
n	8	7	-

Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12

Sample: AZ12B, Parameter: Cyclamate

Graphical presentation of results

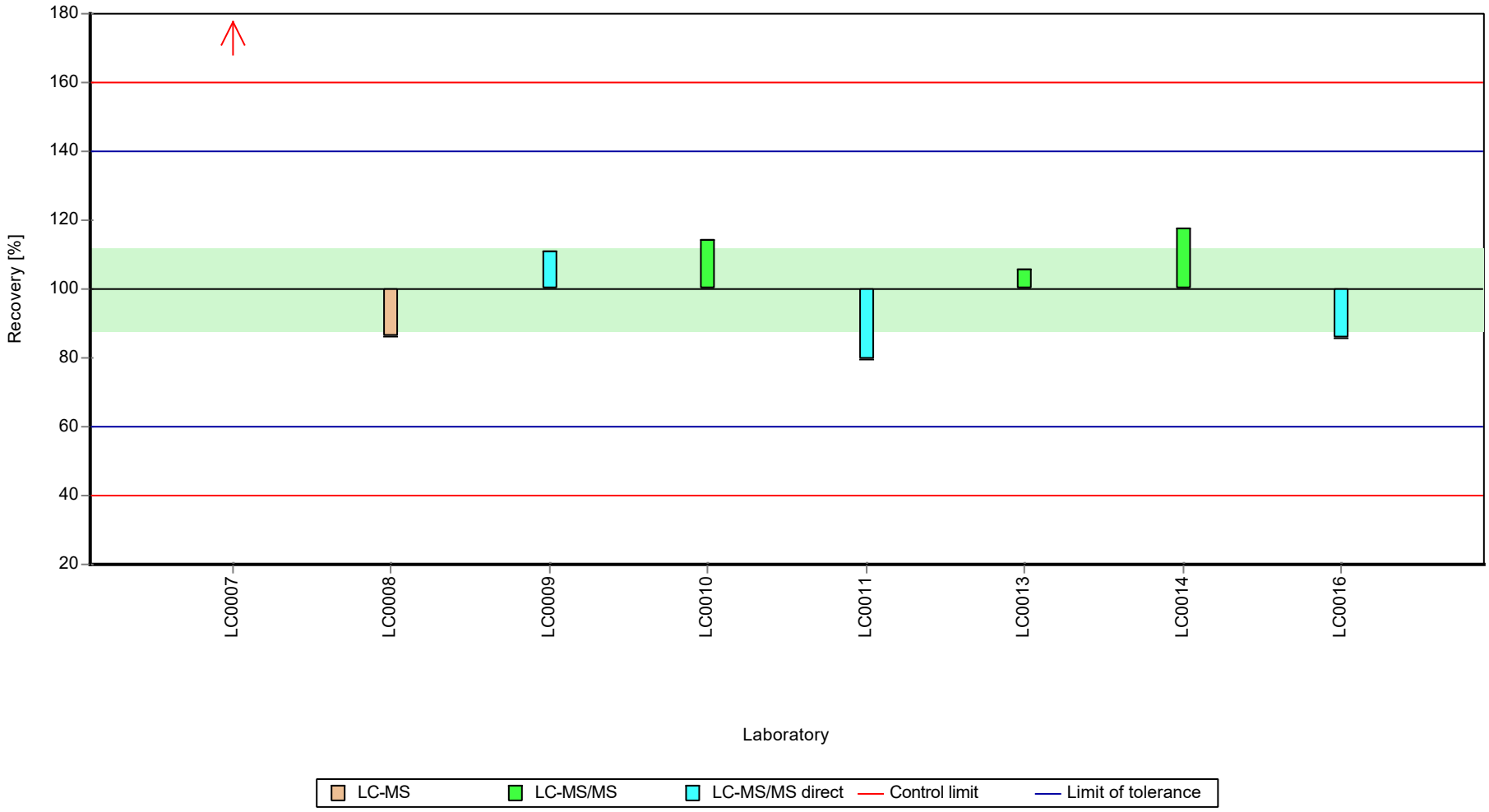
Results



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12

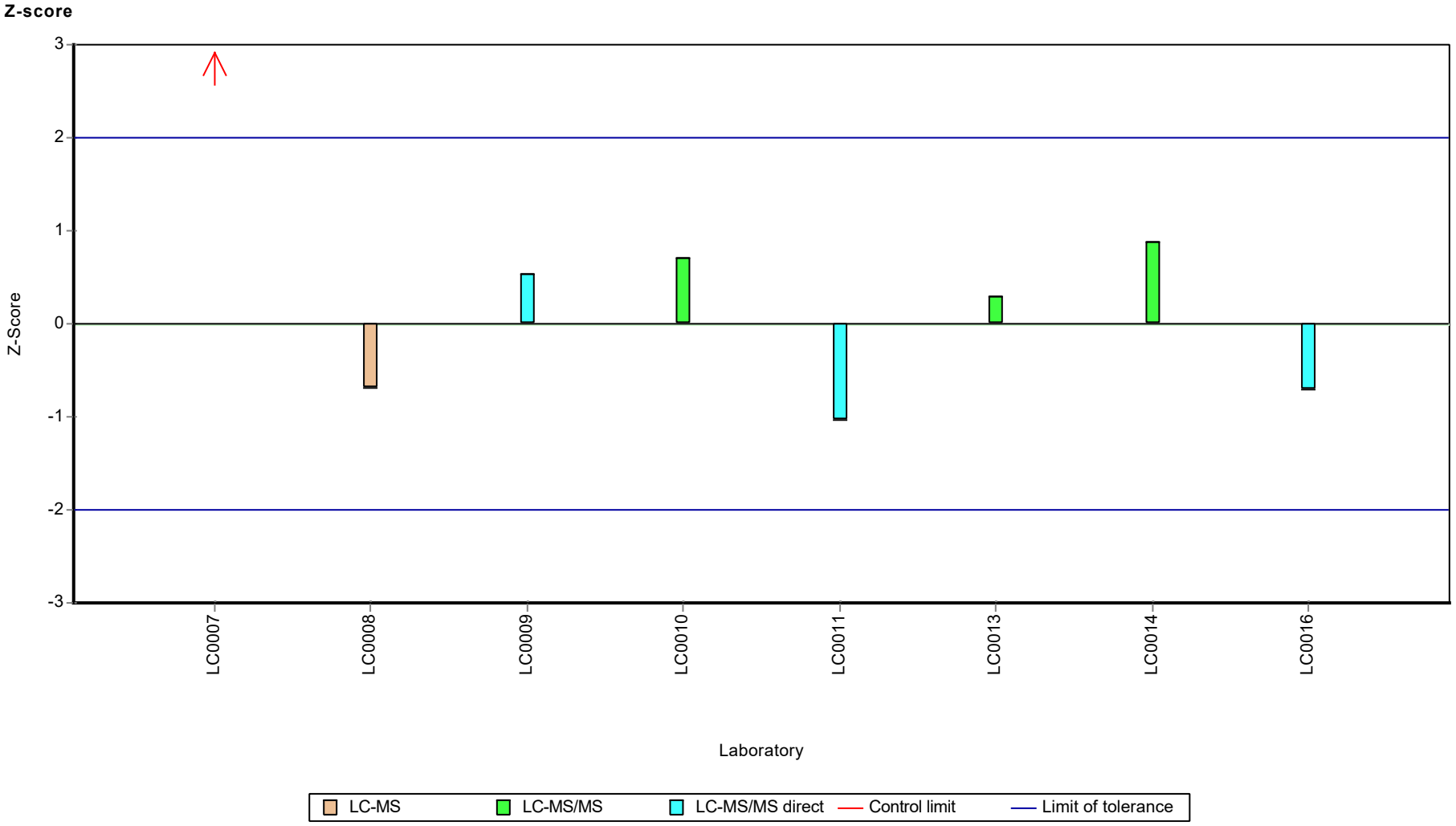
Sample: AZ12B, Parameter: Cyclamate

Recovery rate



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12

Sample: AZ12B, Parameter: Cyclamate



Parameter oriented report

AZ12 A

Diazepam*

Unit	µg/l
Assigned value ± U (k=2)	-
Criterion	-
Minimum - Maximum	0.434 - 0.487
Control test value ± U (k=2)	0.470 ± 0.164

*The calculated mean value MV +/- U(k=2) based on the data of the accredited laboratories (n) after outlier removal is listed for information.

This can be used for comparison as part of your internal QA measures: MV (n=4; accr.) +/- U(k=2): 0.458 +/- 0.028 µg/l

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	-	-	-	-	
LC0006	-	-	-	-	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	-	-	-	-	
LC0010	-	-	-	-	
LC0011	0.487	0.0487	-	-	
LC0012	0.434	0.02552	-	-	
LC0013	-	-	-	-	
LC0014	0.434	0.087	-	-	
LC0015	-	-	-	-	
LC0016	0.477	0.0572	-	-	

Characteristics of parameter

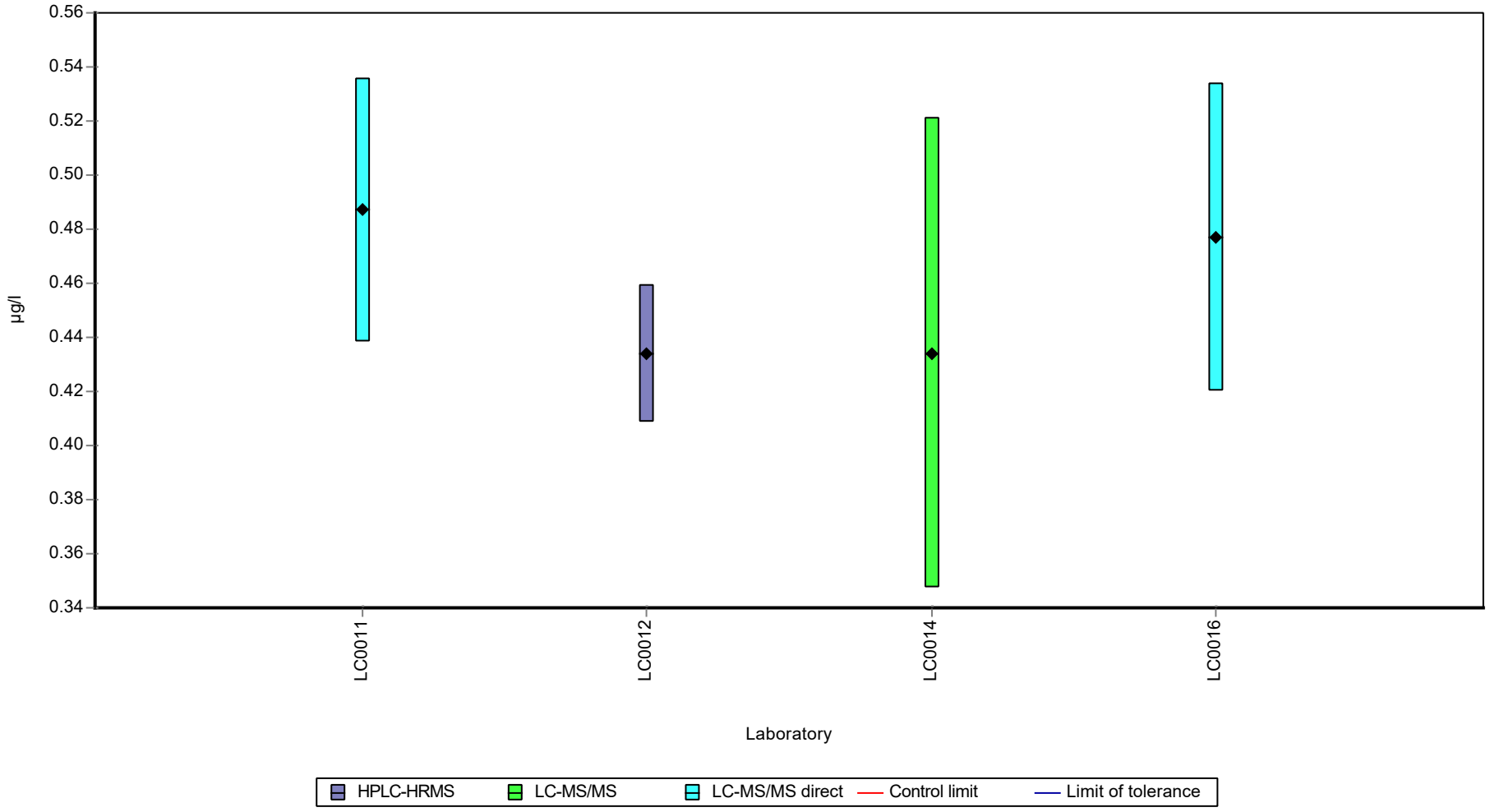
	all results	w ithout outliers	Unit
Mean ± CI (99%)	0.458 ± 0.042	-	µg/l
Minimum	0.434	0.434	µg/l
Maximum	0.487	0.487	µg/l
Standard deviation	0.028	-	µg/l
rel. standard deviation	6.12	-	%
n	4	4	-

Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12

Sample: AZ12A, Parameter: Diazepam

Graphical presentation of results

Results



Parameter oriented report

AZ12 B

Diazepam*

Unit	µg/l
Assigned value ± U (k=2)	-
Criterion	-
Minimum - Maximum	0.511 - 0.561
Control test value ± U (k=2)	0.558 ± 0.195

*The calculated mean value MV +/- U(k=2) based on the data of the accredited laboratories (n) after outlier removal is listed for information.

This can be used for comparison as part of your internal QA measures: MV (n=4; accr.) +/- U(k=2): 0.529 +/- 0.0229 µg/l

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	-	-	-	-	
LC0006	-	-	-	-	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	-	-	-	-	
LC0010	-	-	-	-	
LC0011	0.531	0.0531	-	-	
LC0012	0.514	0.03022	-	-	
LC0013	-	-	-	-	
LC0014	0.511	0.102	-	-	
LC0015	-	-	-	-	
LC0016	0.561	0.0673	-	-	

Characteristics of parameter

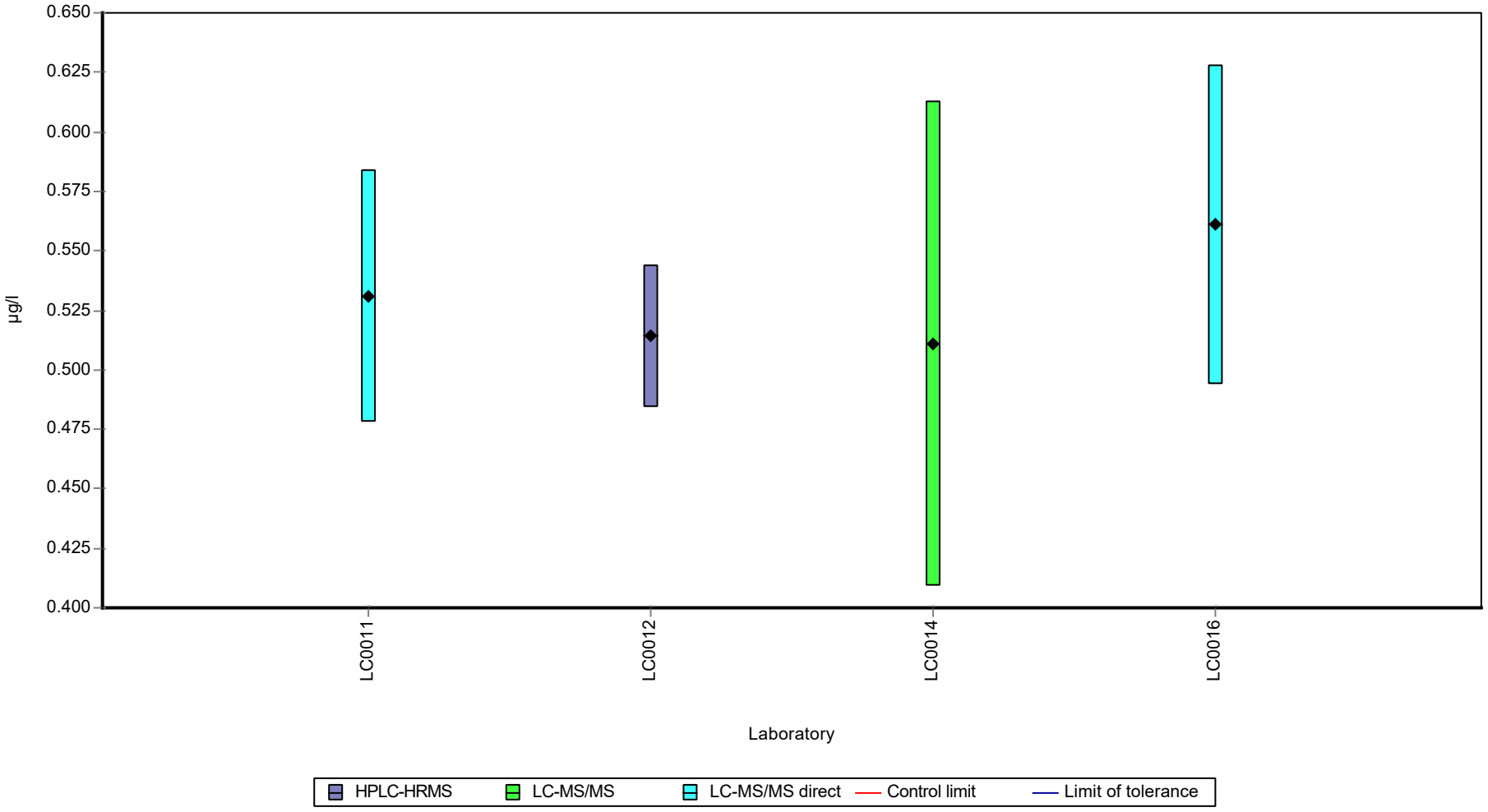
	all results	w ithout outliers	Unit
Mean ± CI (99%)	0.529 ± 0.0344	-	µg/l
Minimum	0.511	0.511	µg/l
Maximum	0.561	0.561	µg/l
Standard deviation	0.0229	-	µg/l
rel. standard deviation	4.33	-	%
n	4	4	-

Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12

Sample: AZ12B, Parameter: Diazepam

Graphical presentation of results

Results



Parameter oriented report

AZ12 A

Diclofenac

Unit	µg/l
Assigned value ± U (k=2)	0.152 ± 0.0295
Criterion	0.0545 (36 %)
Minimum - Maximum	0.045 - 0.25
Control test value ± U (k=2)	0.120 ± 0.0479

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.165	0.05	109	0.25	
LC0002	0.185	0.046	122	0.61	
LC0003	0.1446	0.0433	95.4	-0.13	
LC0004	0.25	0.081	165	1.81	
LC0005	0.1965	0.012	130	0.83	
LC0006	0.0469	0.0094	31	-1.92	
LC0007	0.045	0.0027	29.7	-1.95	
LC0008	0.2	0.06	132	0.89	
LC0009	0.129	0.023	85.1	-0.41	
LC0010	-	-	-	-	
LC0011	0.134	0.0134	88.4	-0.32	
LC0012	0.162	0.01356	107	0.19	
LC0013	-	-	-	-	
LC0014	0.134	0.027	88.4	-0.32	
LC0015	0.175	0.02	116	0.43	
LC0016	0.154	0.0276	102	0.05	

Characteristics of parameter

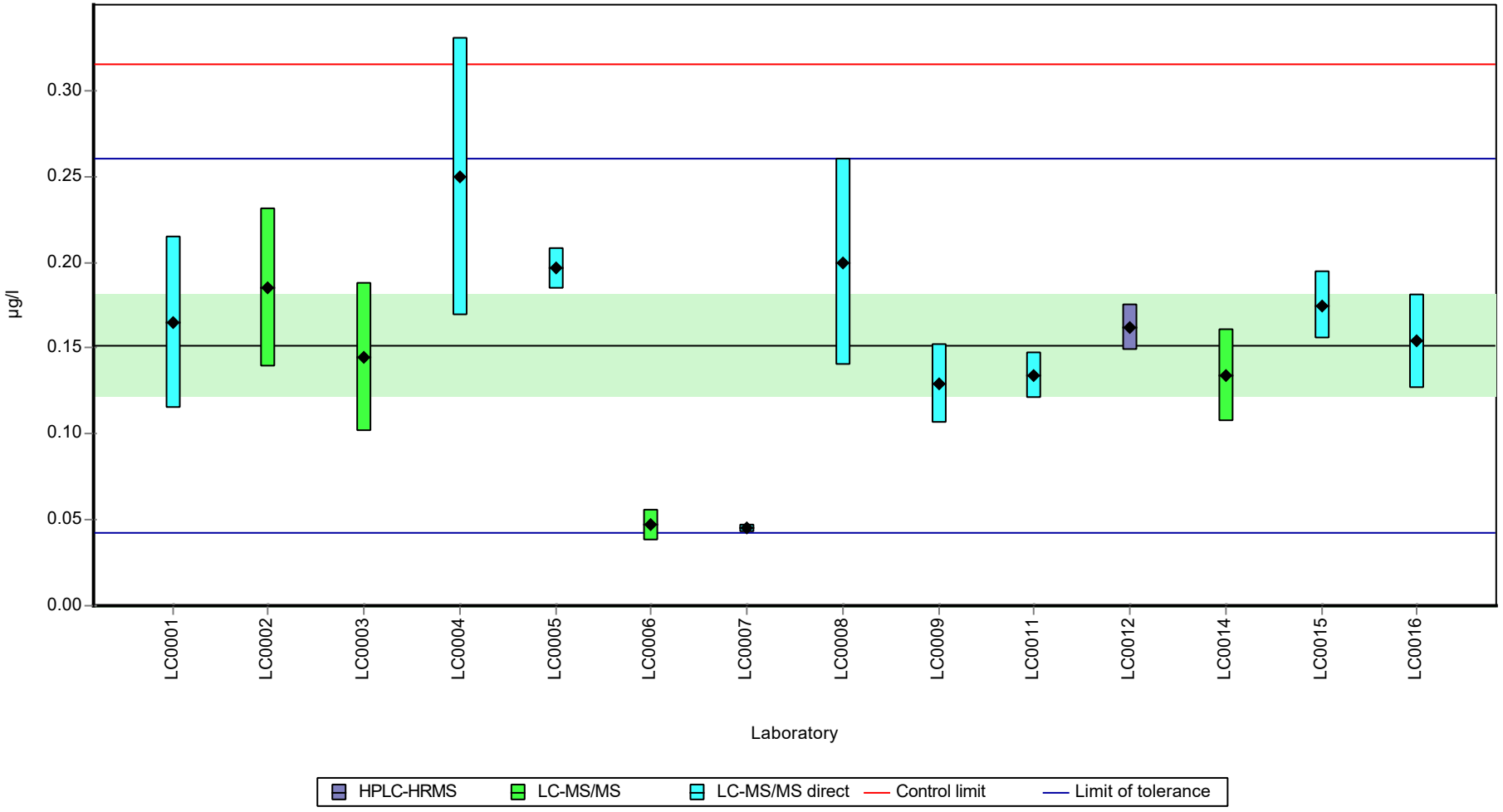
	all results	w ithout outliers	Unit
Mean ± CI (99%)	0.151 ± 0.0442	0.152 ± 0.0442	µg/l
Minimum	0.045	0.045	µg/l
Maximum	0.25	0.25	µg/l
Standard deviation	0.0551	0.0551	µg/l
rel. standard deviation	36.4	36.4	%
n	14	14	-

Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12

Sample: AZ12A, Parameter: Diclofenac

Graphical presentation of results

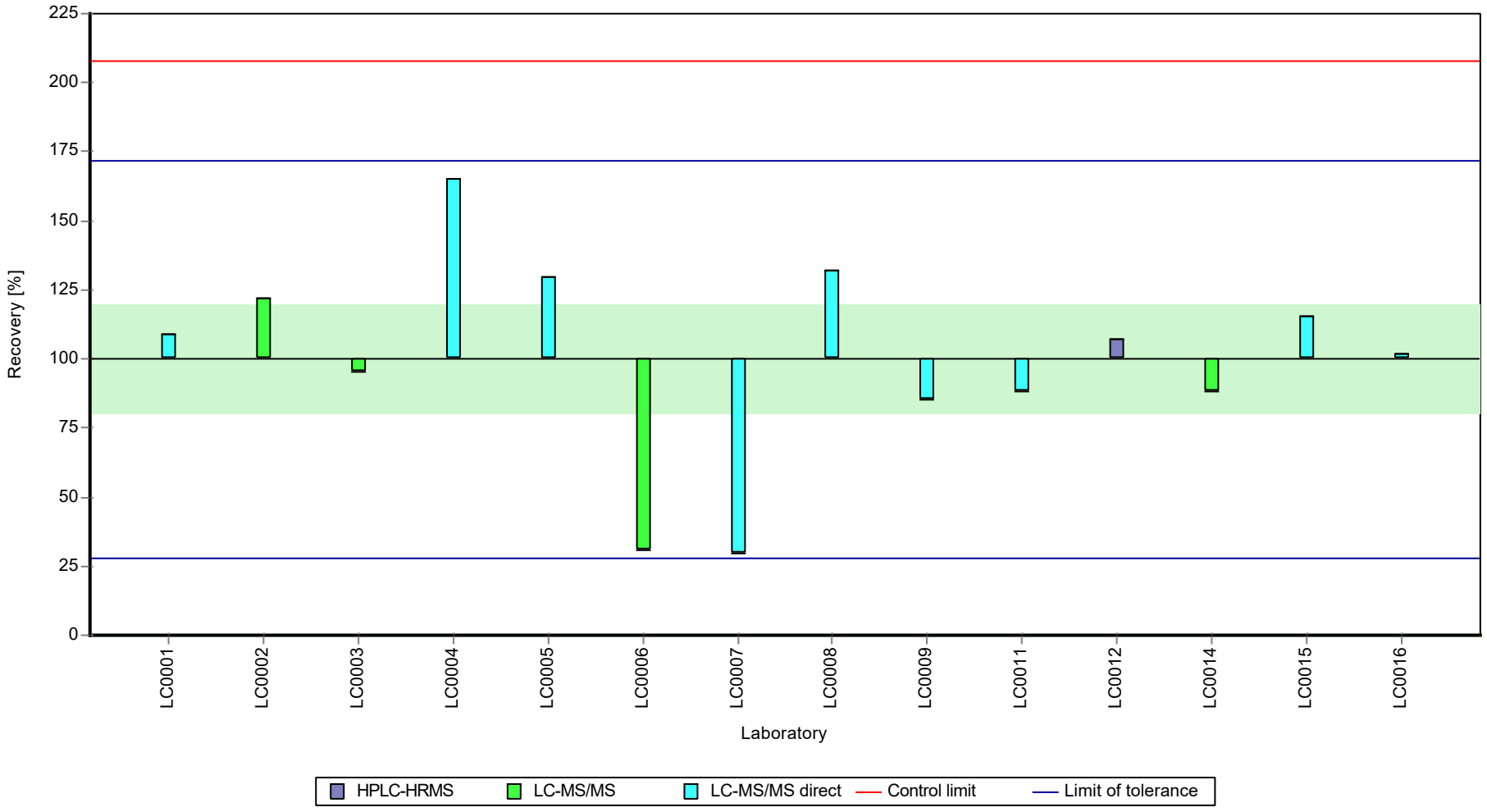
Results



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12

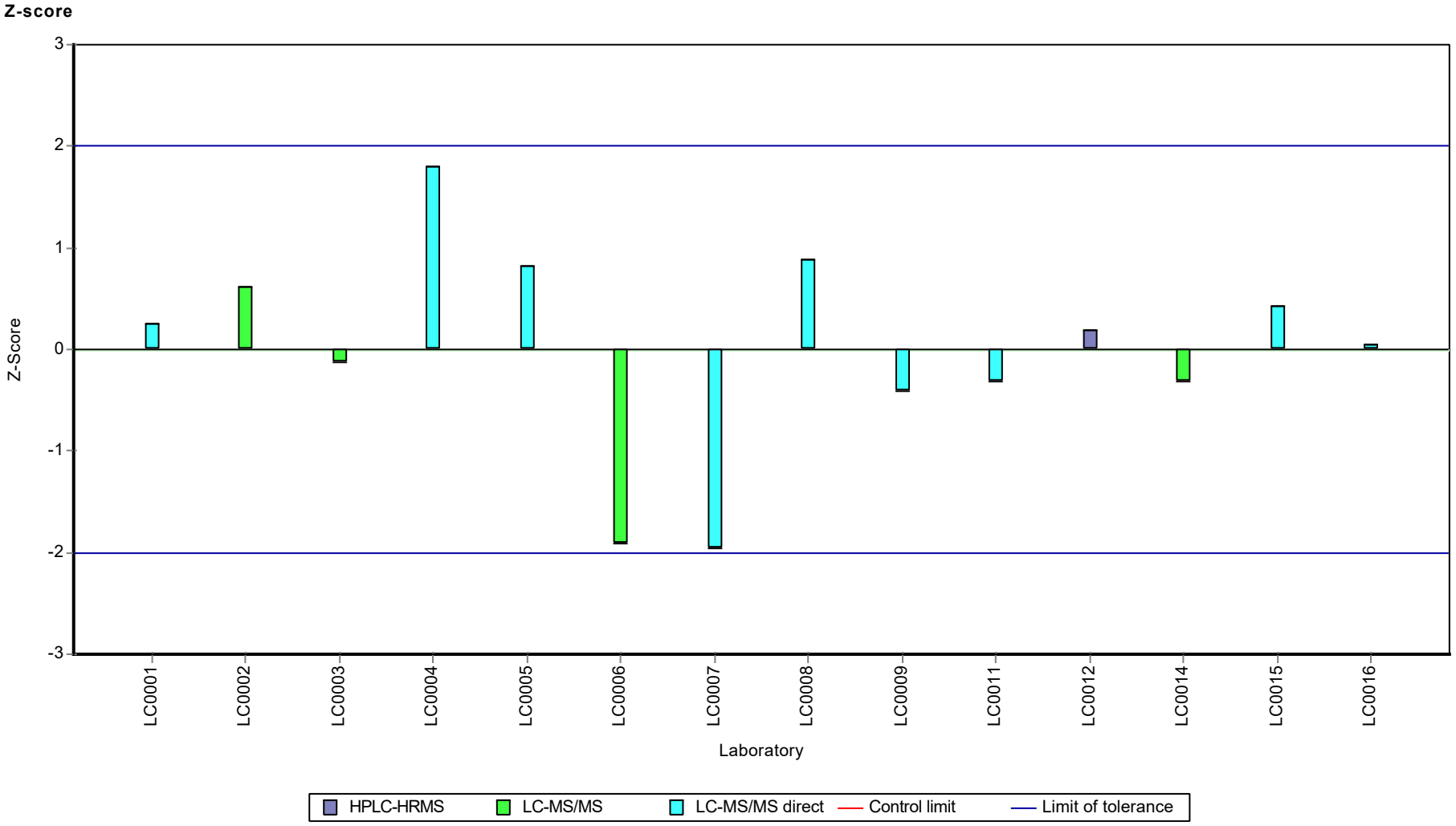
Sample: AZ12A, Parameter: Diclofenac

Recovery rate



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12

Sample: AZ12A, Parameter: Diclofenac



Parameter oriented report

AZ12 B

Diclofenac

Unit	µg/l
Assigned value ± U (k=2)	3.24 ± 0.195
Criterion	0.454 (14 %)
Minimum - Maximum	2.83 - 3.8
Control test value ± U (k=2)	3.62 ± 1.45

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	3.05	0.92	94	-0.43	
LC0002	2.958	0.739	91.2	-0.63	
LC0003	3.222	0.966	99.3	-0.05	
LC0004	3.8	1.3	117	1.22	
LC0005	1.9707	0.039	60.7	-2.8	H
LC0006	1.0979	0.2196	33.8	-4.73	H
LC0007	3.8	0.152	117	1.22	
LC0008	3.52	1.06	108	0.61	
LC0009	3.005	0.541	92.6	-0.53	
LC0010	-	-	-	-	
LC0011	3.519	0.3519	108	0.6	
LC0012	2.83	0.23687	87.2	-0.91	
LC0013	-	-	-	-	
LC0014	3.25	0.65	100	0.01	
LC0015	3.063	0.37	94.4	-0.4	
LC0016	2.92	0.526	90	-0.71	

Characteristics of parameter

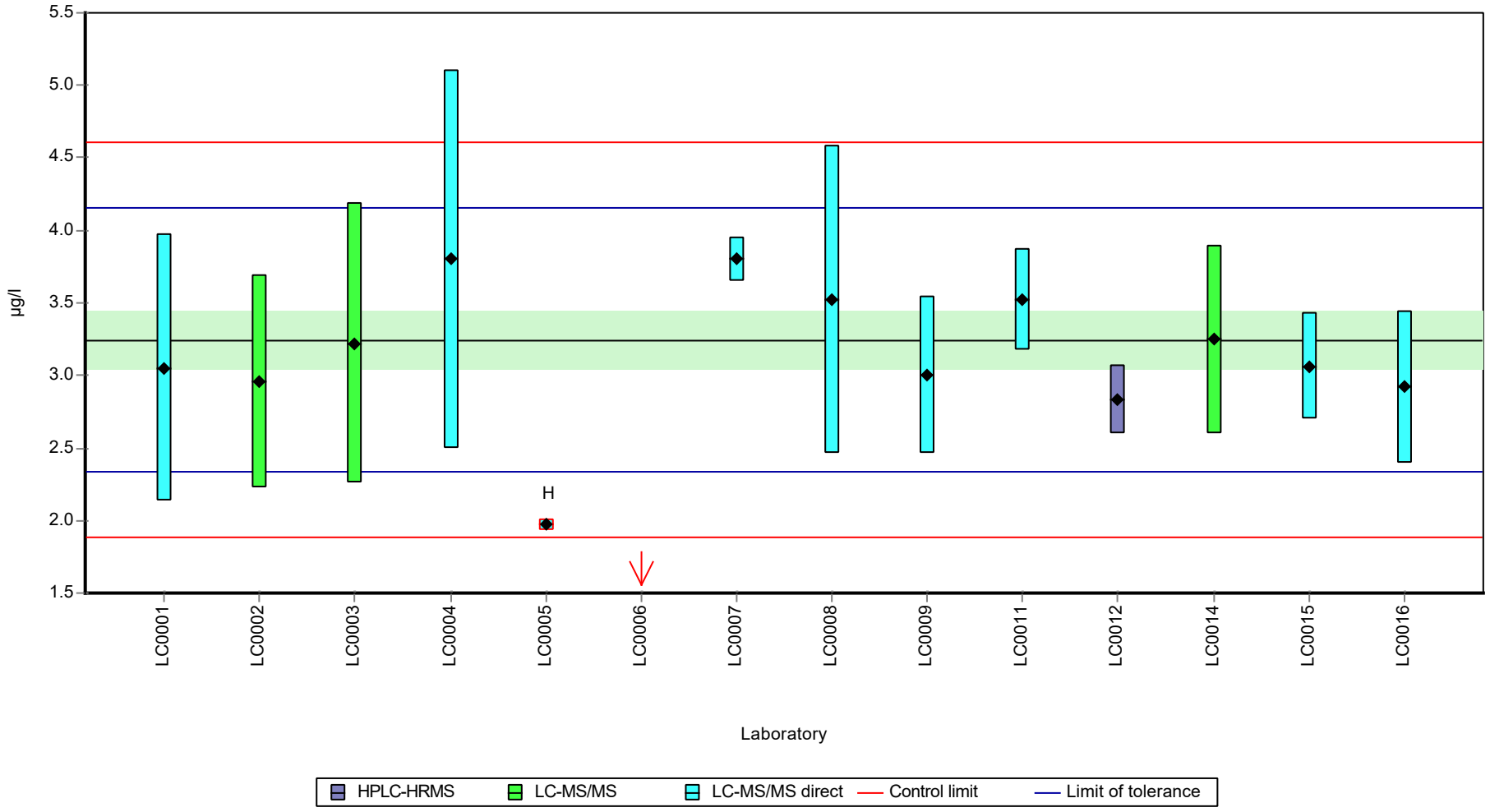
	all results	w ithout outliers	Unit
Mean ± CI (99%)	3 ± 0.574	3.24 ± 0.293	µg/l
Minimum	1.1	2.83	µg/l
Maximum	3.8	3.8	µg/l
Standard deviation	0.715	0.338	µg/l
rel. standard deviation	23.8	10.4	%
n	14	12	-

Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12

Sample: AZ12B, Parameter: Diclofenac

Graphical presentation of results

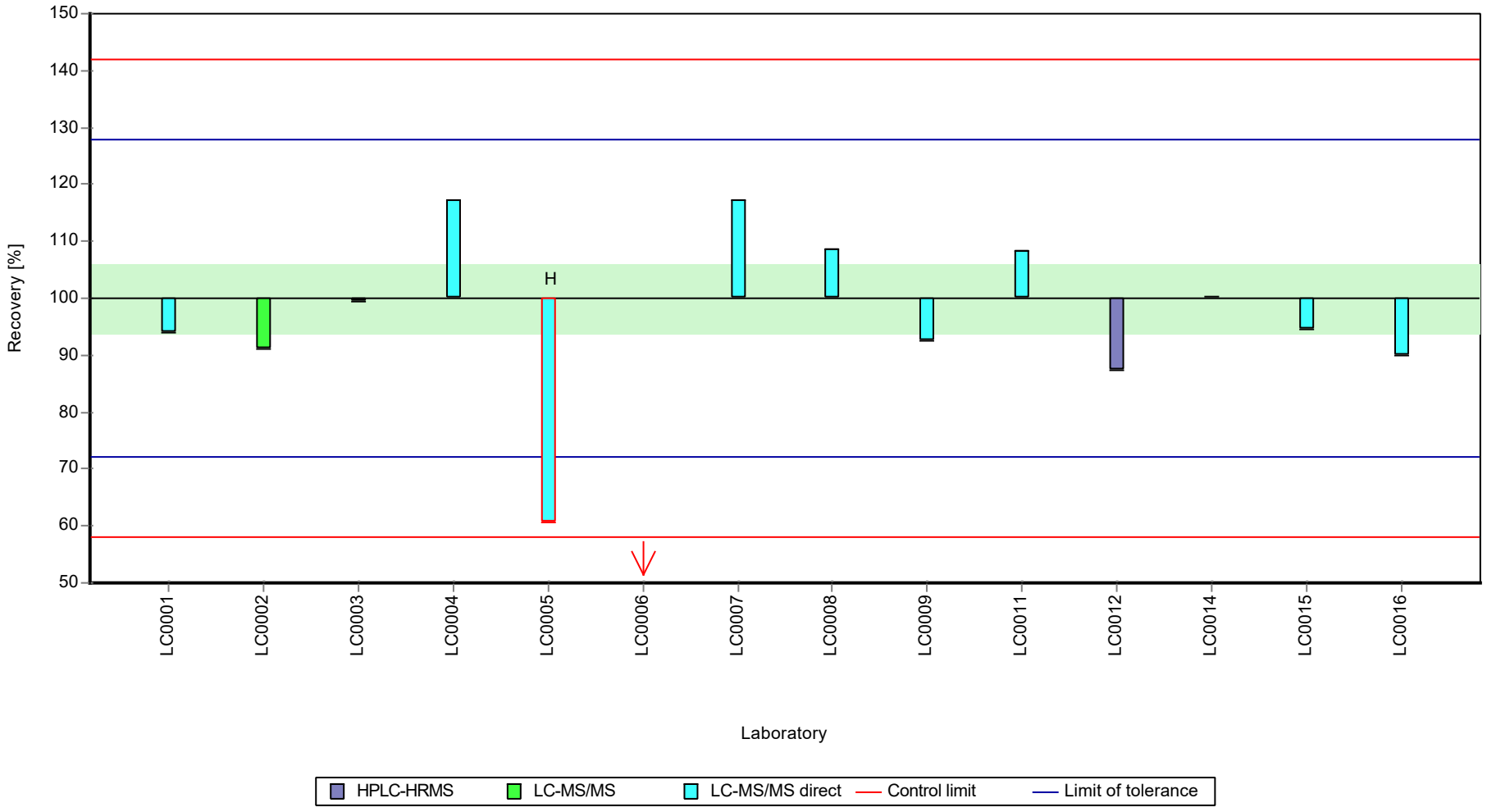
Results



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12

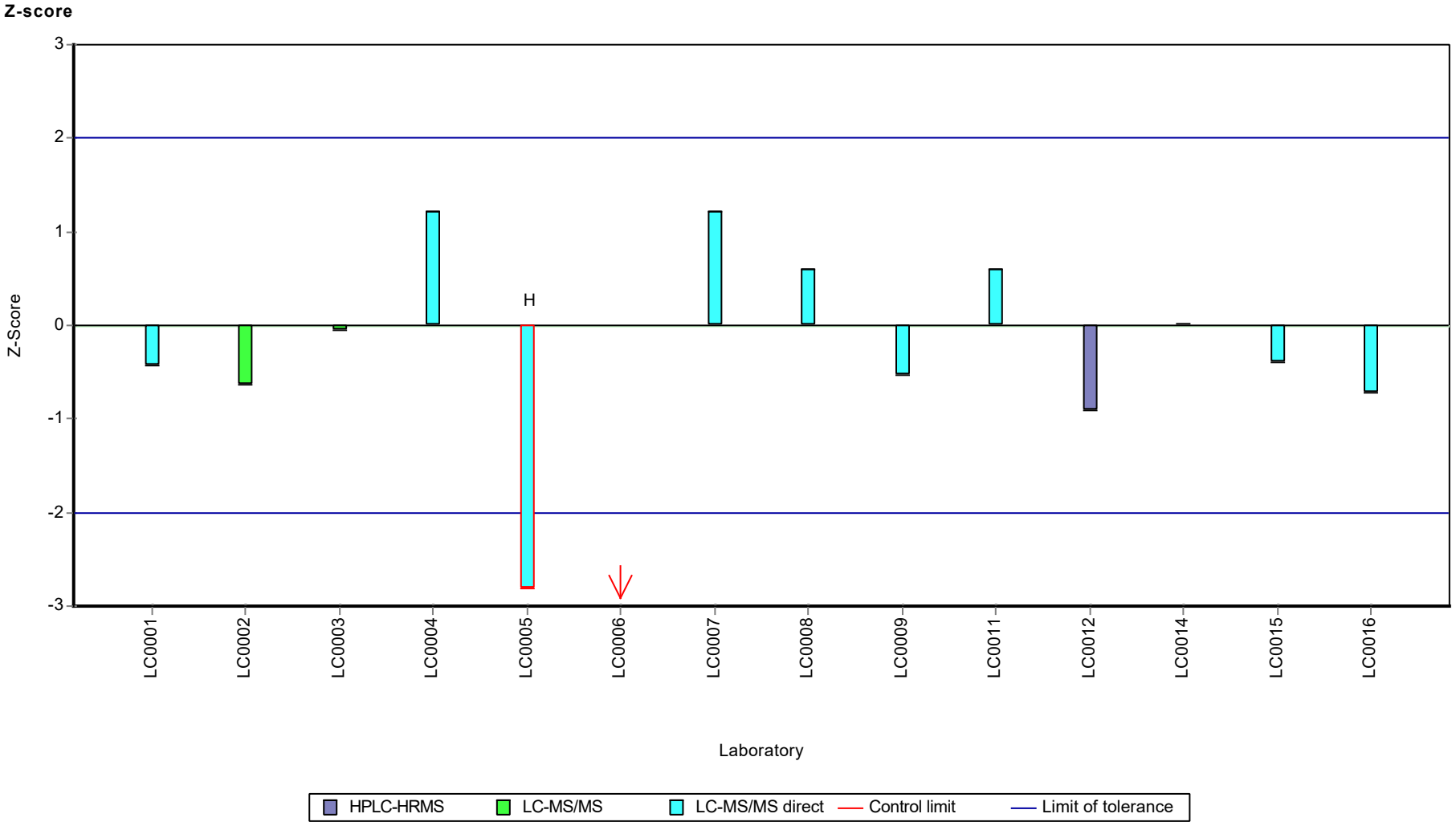
Sample: AZ12B, Parameter: Diclofenac

Recovery rate



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12

Sample: AZ12B, Parameter: Diclofenac



Parameter oriented report

AZ12 A

Ibuprofen

Unit	µg/l
Assigned value ± U (k=2)	0.285 ± 0.0191
Criterion	0.0342 (12 %)
Minimum - Maximum	0.24 - 0.32
Control test value ± U (k=2)	0.265 ± 0.0927

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.32	0.096	112	1.03	
LC0002	0.296	0.074	104	0.33	
LC0003	-	-	-	-	
LC0004	0.24	0.05	84.3	-1.31	
LC0005	0.2832	0.0808	99.5	-0.04	
LC0006	0.0805	0.0161	28.3	-5.98	H
LC0007	0.314	0.0503	110	0.86	
LC0008	1.24	0.371	436	27.97	H
LC0009	-	-	-	-	
LC0010	-	-	-	-	
LC0011	0.293	0.0293	103	0.24	
LC0012	0.271	0.08835	95.2	-0.4	
LC0013	-	-	-	-	
LC0014	-	-	-	-	
LC0015	-	-	-	-	
LC0016	0.26	0.0416	91.3	-0.72	

Characteristics of parameter

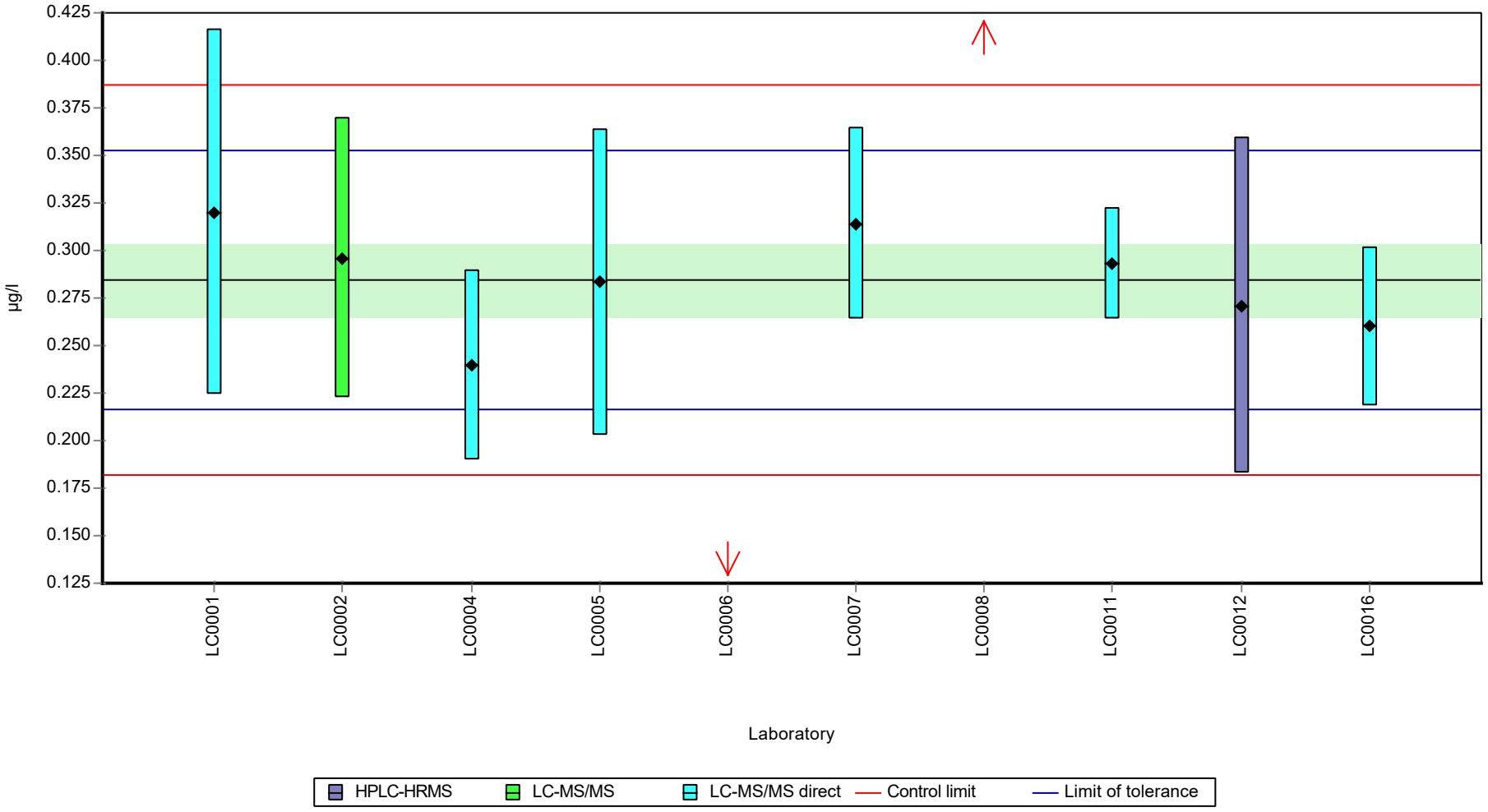
	all results	w ithout outliers	Unit
Mean ± CI (99%)	0.36 ± 0.301	0.285 ± 0.0286	µg/l
Minimum	0.0805	0.24	µg/l
Maximum	1.24	0.32	µg/l
Standard deviation	0.317	0.027	µg/l
rel. standard deviation	88	9.48	%
n	10	8	-

Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12

Sample: AZ12A, Parameter: Ibuprofen

Graphical presentation of results

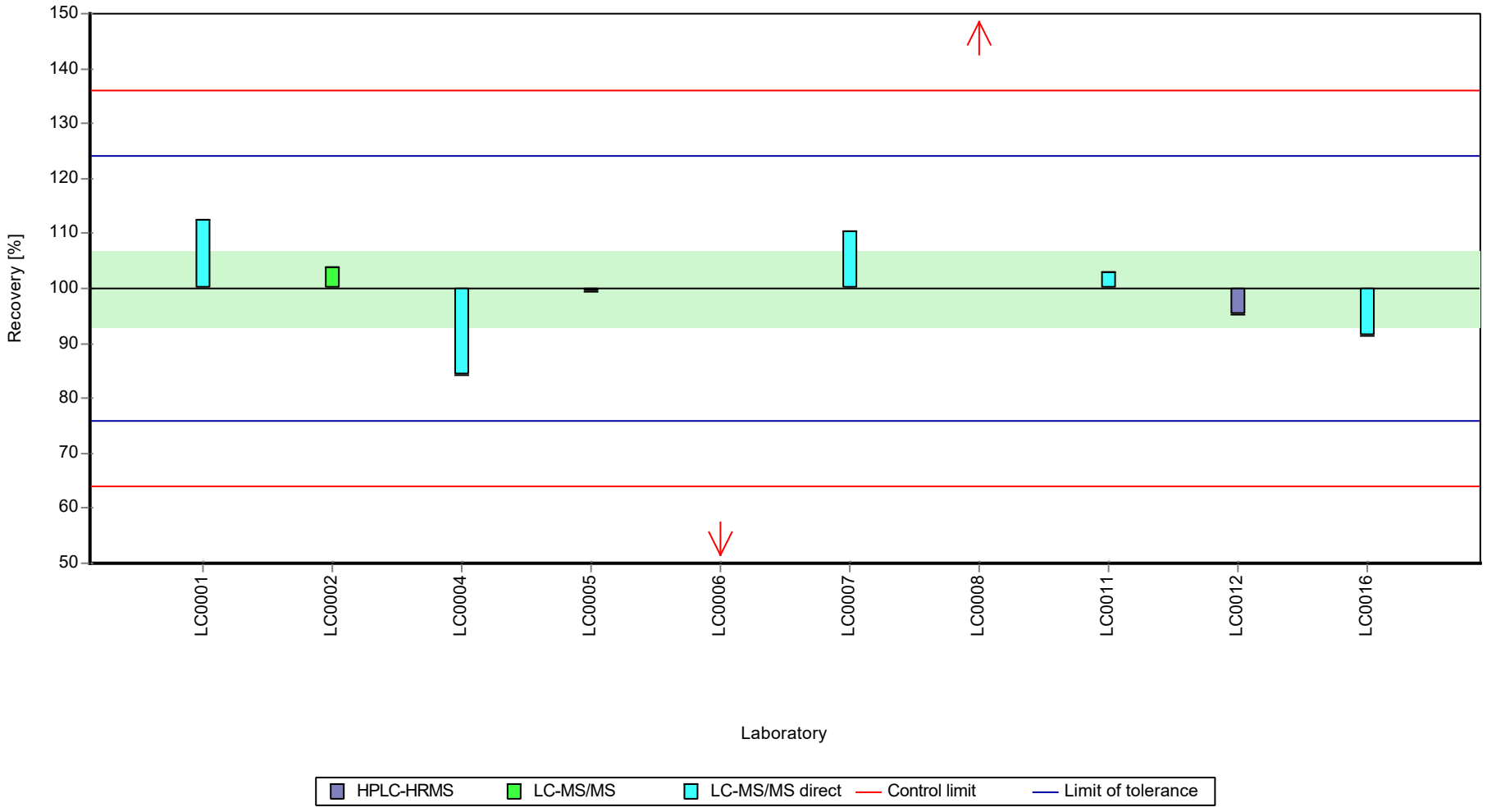
Results



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12

Sample: AZ12A, Parameter: Ibuprofen

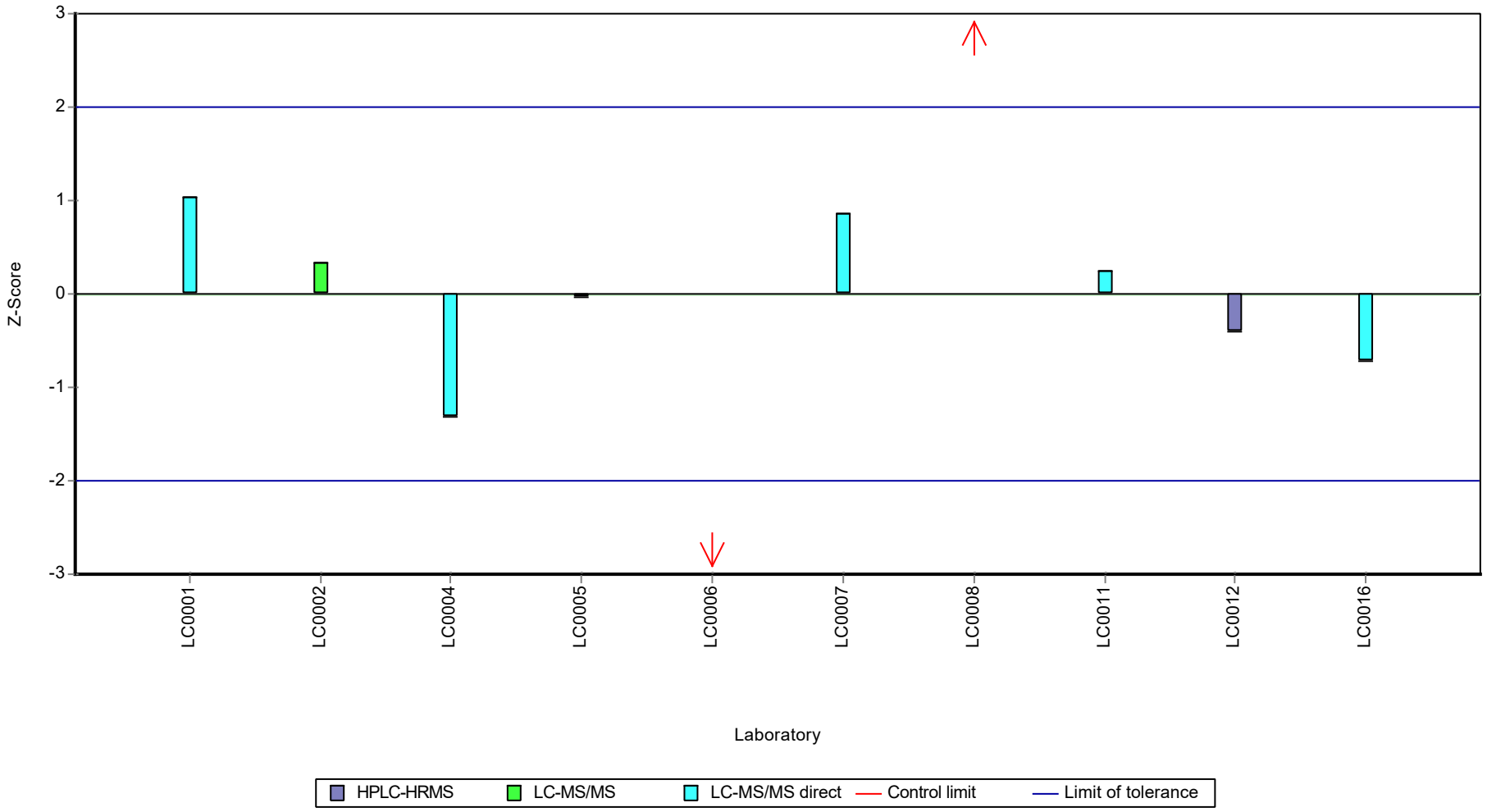
Recovery rate



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12

Sample: AZ12A, Parameter: Ibuprofen

Z-score



Parameter oriented report

AZ12 B

Ibuprofen

Unit	µg/l
Assigned value ± U (k=2)	1.31 ± 0.127
Criterion	0.157 (12 %)
Minimum - Maximum	1.15 - 1.6
Control test value ± U (k=2)	1.16 ± 0.405

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	1.4	0.42	107	0.6	
LC0002	1.149	0.287	88	-1	
LC0003	-	-	-	-	
LC0004	1.2	0.24	91.9	-0.67	
LC0005	1.158	0.153	88.7	-0.94	
LC0006	0.4082	0.0816	31.3	-5.73	H
LC0007	1.26	0.2016	96.5	-0.29	
LC0008	0.278	0.083	21.3	-6.56	H
LC0009	-	-	-	-	
LC0010	-	-	-	-	
LC0011	1.595	0.1595	122	1.85	
LC0012	1.53	0.49878	117	1.43	
LC0013	-	-	-	-	
LC0014	-	-	-	-	
LC0015	-	-	-	-	
LC0016	1.15	0.184	88.1	-0.99	

Characteristics of parameter

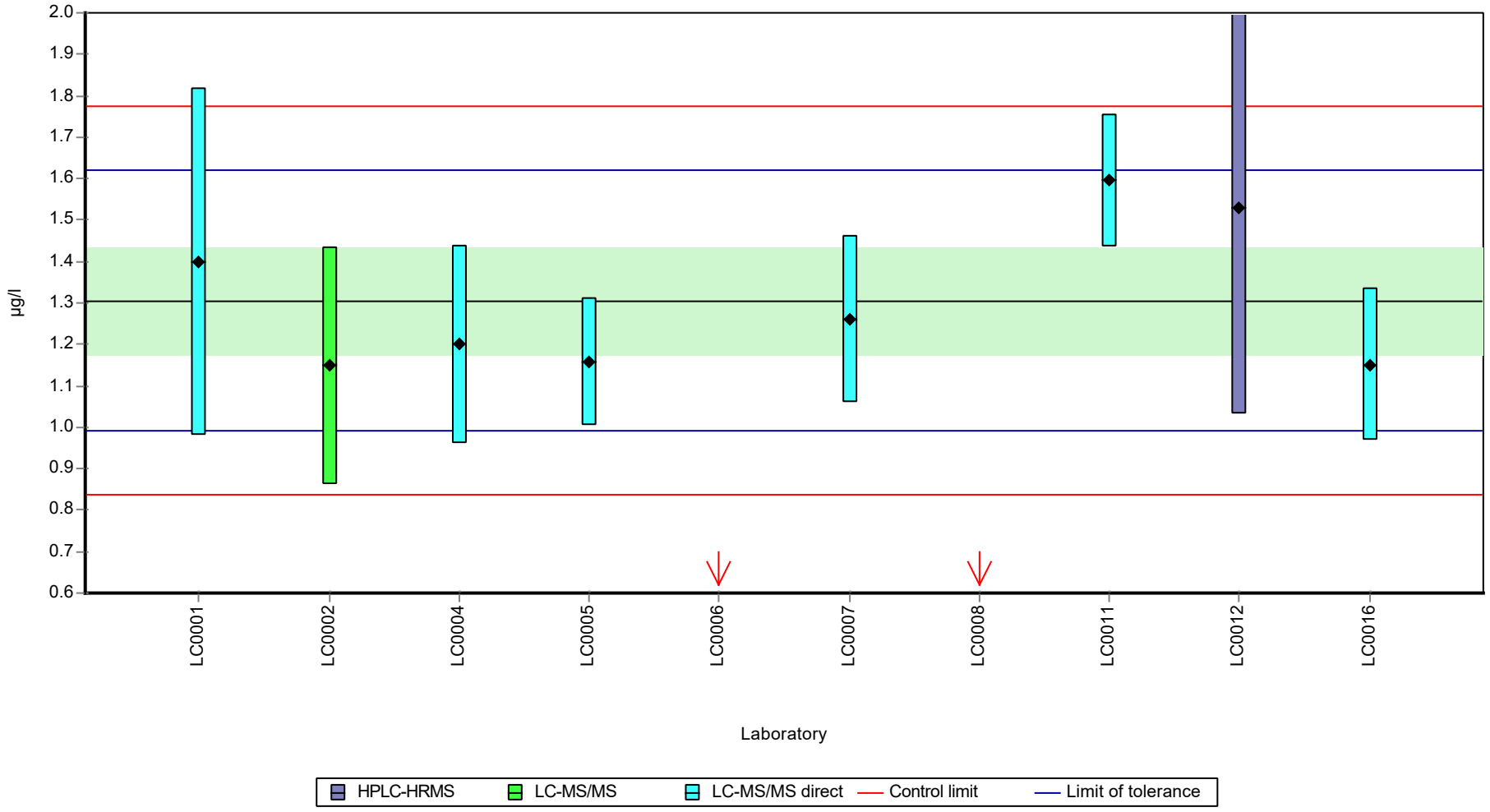
	all results	w ithout outliers	Unit
Mean ± CI (99%)	1.11 ± 0.414	1.31 ± 0.191	µg/l
Minimum	0.278	1.15	µg/l
Maximum	1.6	1.6	µg/l
Standard deviation	0.437	0.18	µg/l
rel. standard deviation	39.2	13.8	%
n	10	8	-

Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12

Sample: AZ12B, Parameter: Ibuprofen

Graphical presentation of results

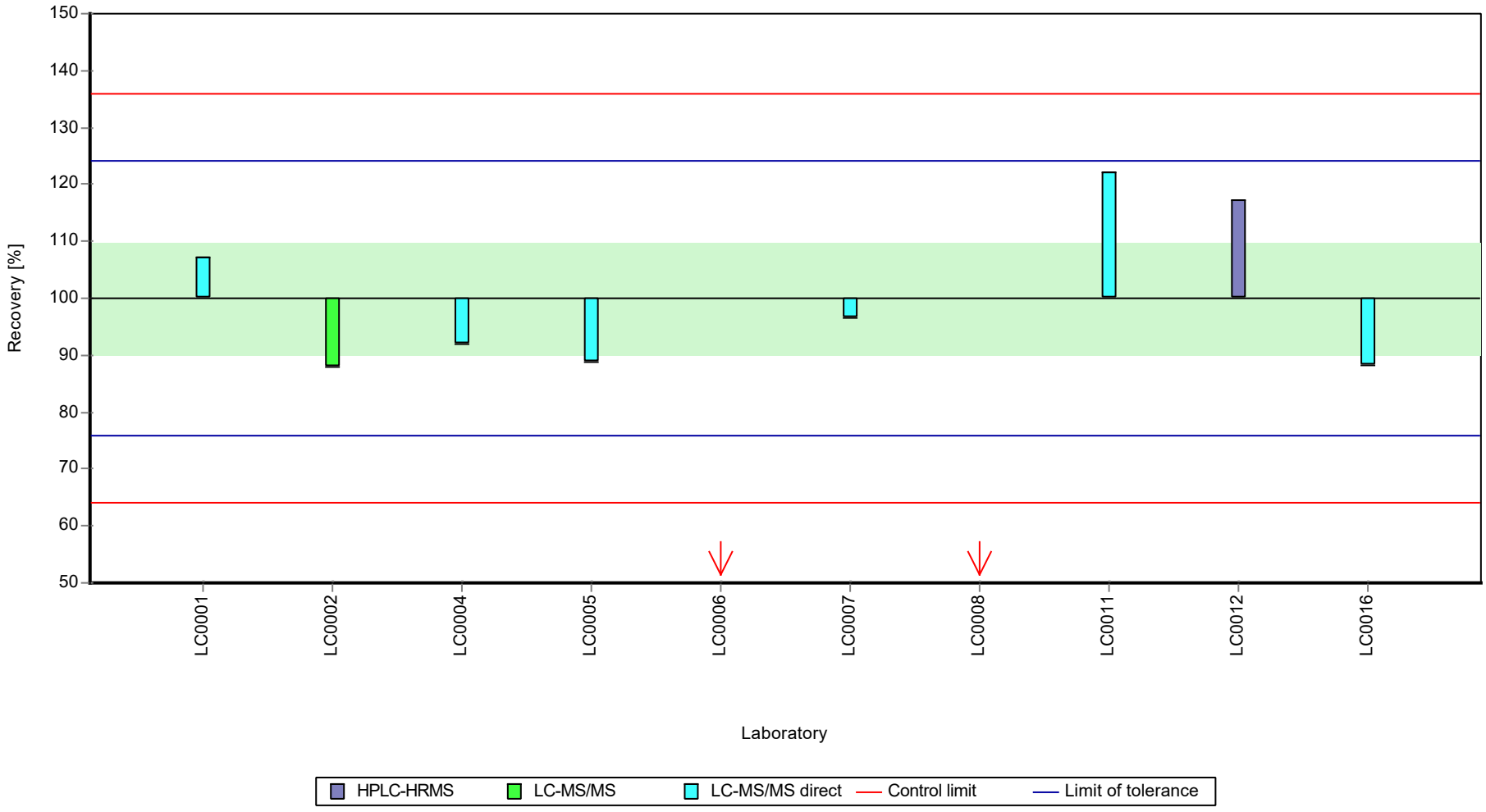
Results



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12

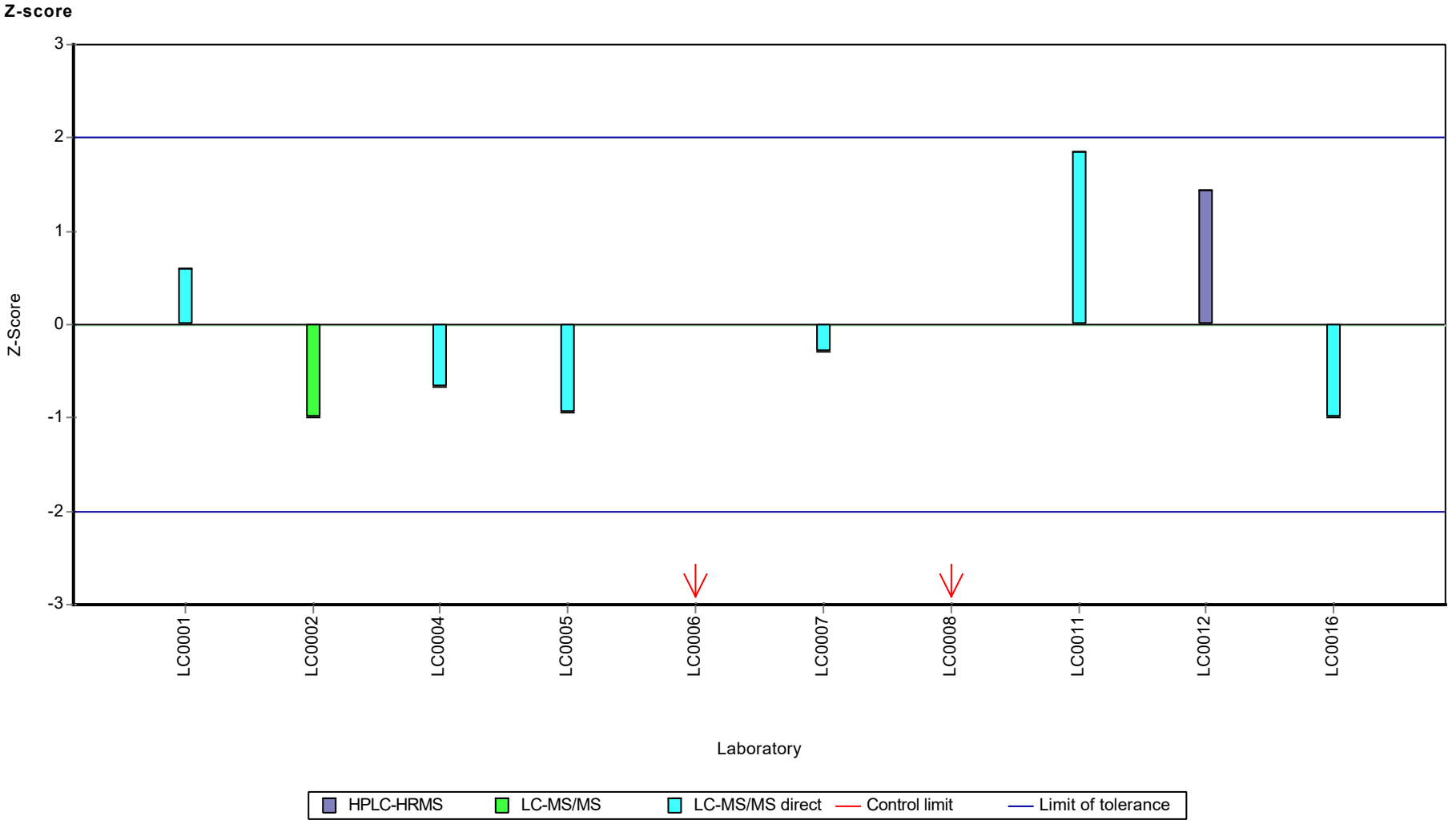
Sample: AZ12B, Parameter: Ibuprofen

Recovery rate



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12

Sample: AZ12B, Parameter: Ibuprofen



Parameter oriented report

AZ12 A

Iopamidol

Unit	µg/l
Assigned value ± U (k=2)	0.516 ± 0.0392
Criterion	0.119 (23 %)
Minimum - Maximum	0.427 - 0.62
Control test value ± U (k=2)	0.480 ± 0.192

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	0.6196	0.0665	120	0.88	
LC0006	-	-	-	-	
LC0007	0.225	0.0338	43.6	-2.45	H
LC0008	0.612	0.184	119	0.81	
LC0009	0.427	0.077	82.8	-0.75	
LC0010	0.5217	0.0488	101	0.05	
LC0011	0.517	0.0517	100	0.01	
LC0012	0.447	0.20562	86.7	-0.58	
LC0013	0.478	0.129	92.7	-0.32	
LC0014	0.526	0.105	102	0.09	
LC0015	0.504	0.05	97.7	-0.1	
LC0016	0.504	0.146	97.7	-0.1	

Characteristics of parameter

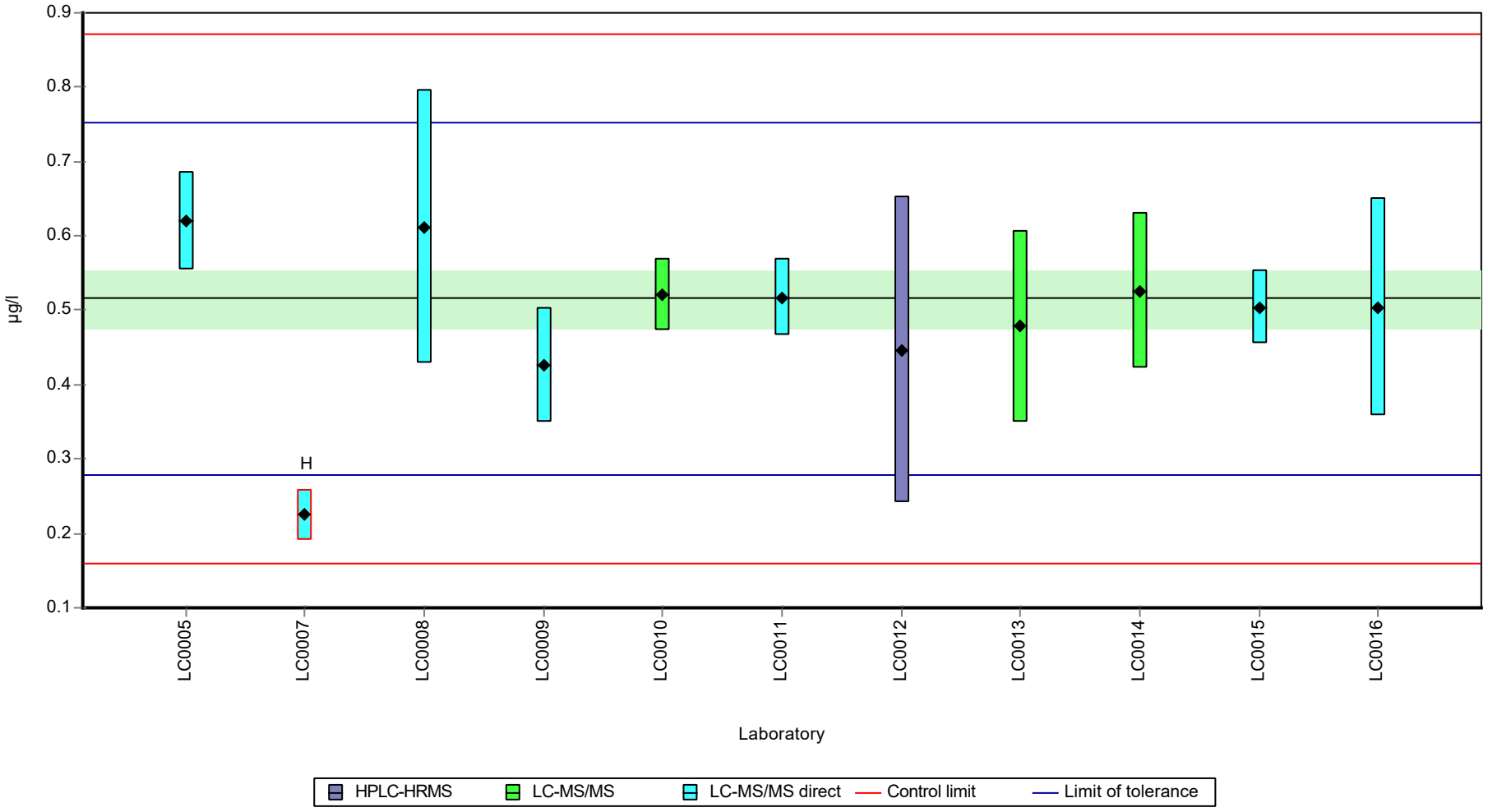
	all results	w ithout outliers	Unit
Mean ± CI (99%)	0.489 ± 0.0954	0.516 ± 0.0587	µg/l
Minimum	0.225	0.427	µg/l
Maximum	0.62	0.62	µg/l
Standard deviation	0.105	0.0619	µg/l
rel. standard deviation	21.6	12	%
n	11	10	-

Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12

Sample: AZ12A, Parameter: Iopamidol

Graphical presentation of results

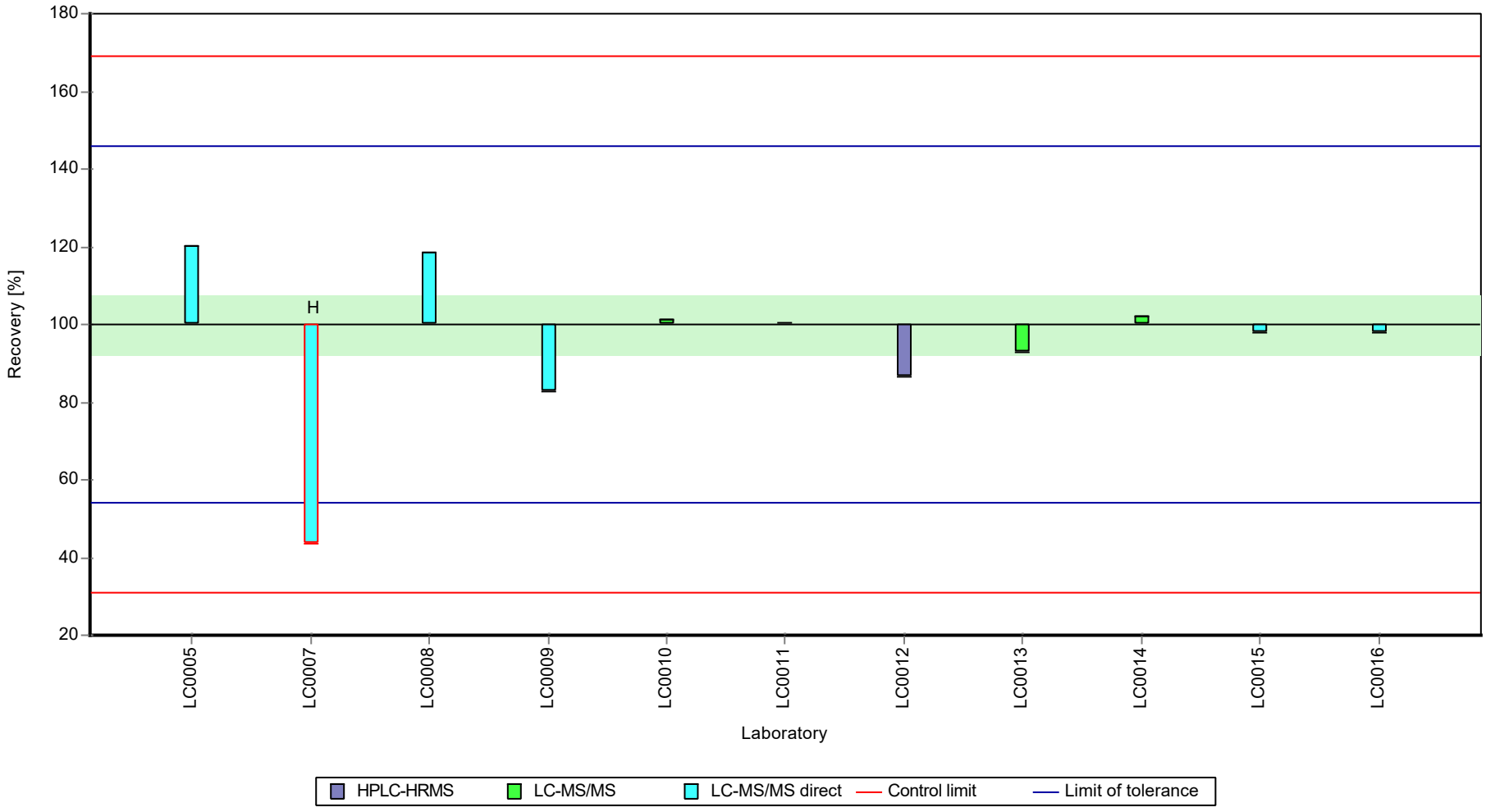
Results



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12

Sample: AZ12A, Parameter: Iopamidol

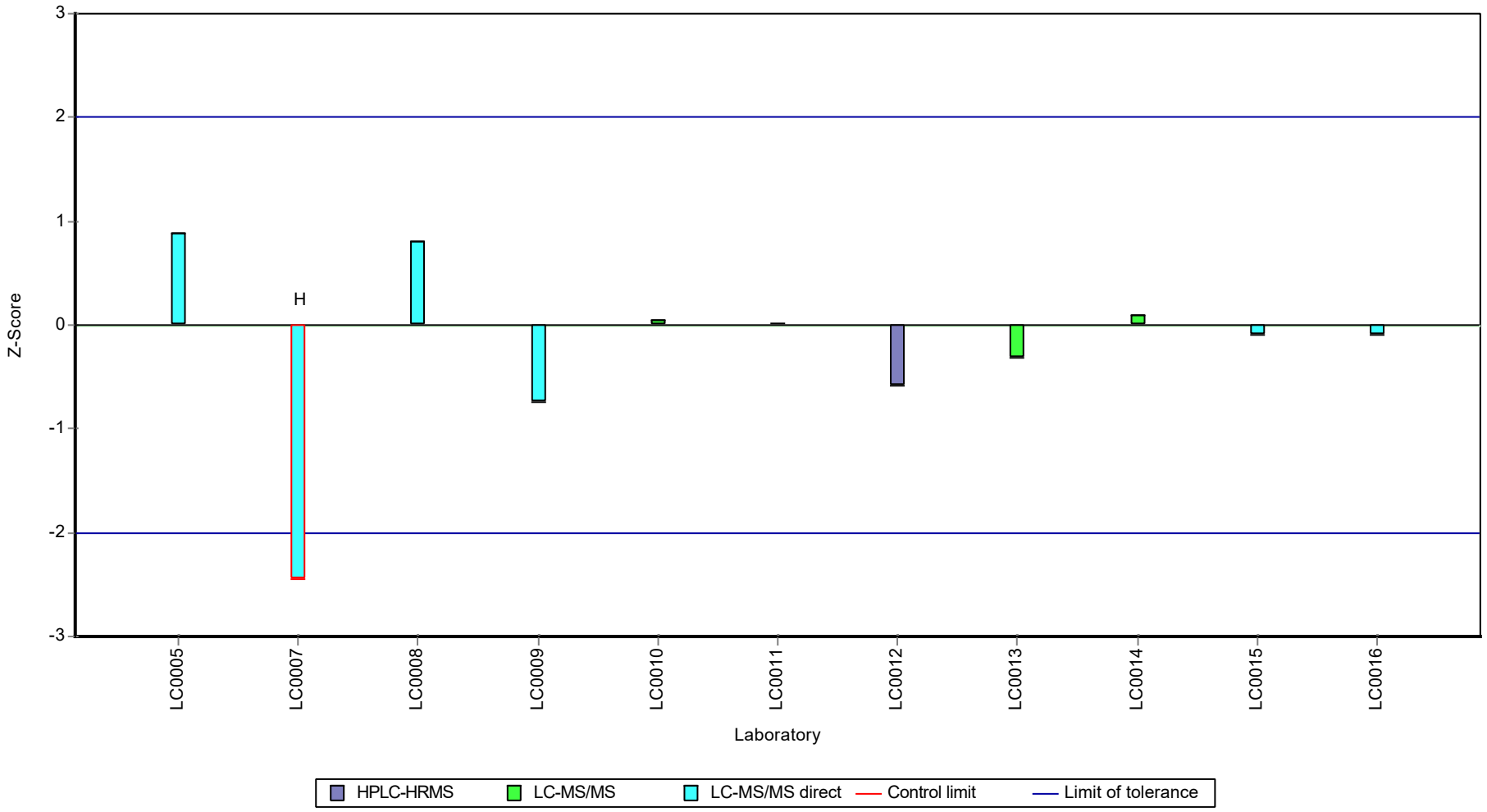
Recovery rate



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12

Sample: AZ12A, Parameter: Iopamidol

Z-score



Parameter oriented report

AZ12 B

Iopamidol

Unit	µg/l
Assigned value ± U (k=2)	43.5 ± 2.59
Criterion	10 (23 %)
Minimum - Maximum	35.9 - 50.8
Control test value ± U (k=2)	45.4 ± 18.2

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	43.975	1.618	101	0.04	
LC0006	-	-	-	-	
LC0007	32.8	4.92	75.3	-1.07	H
LC0008	50.77	15.23	117	0.72	
LC0009	35.947	6.47	82.5	-0.76	
LC0010	45.6297	4.2664	105	0.21	
LC0011	43.2	4.32	99.2	-0.03	
LC0012	40.2	18.492	92.3	-0.33	
LC0013	44.17	11.926	101	0.06	
LC0014	45.5	9.1	104	0.19	
LC0015	39.879	4.03	91.6	-0.37	
LC0016	46.2	13.4	106	0.26	

Characteristics of parameter

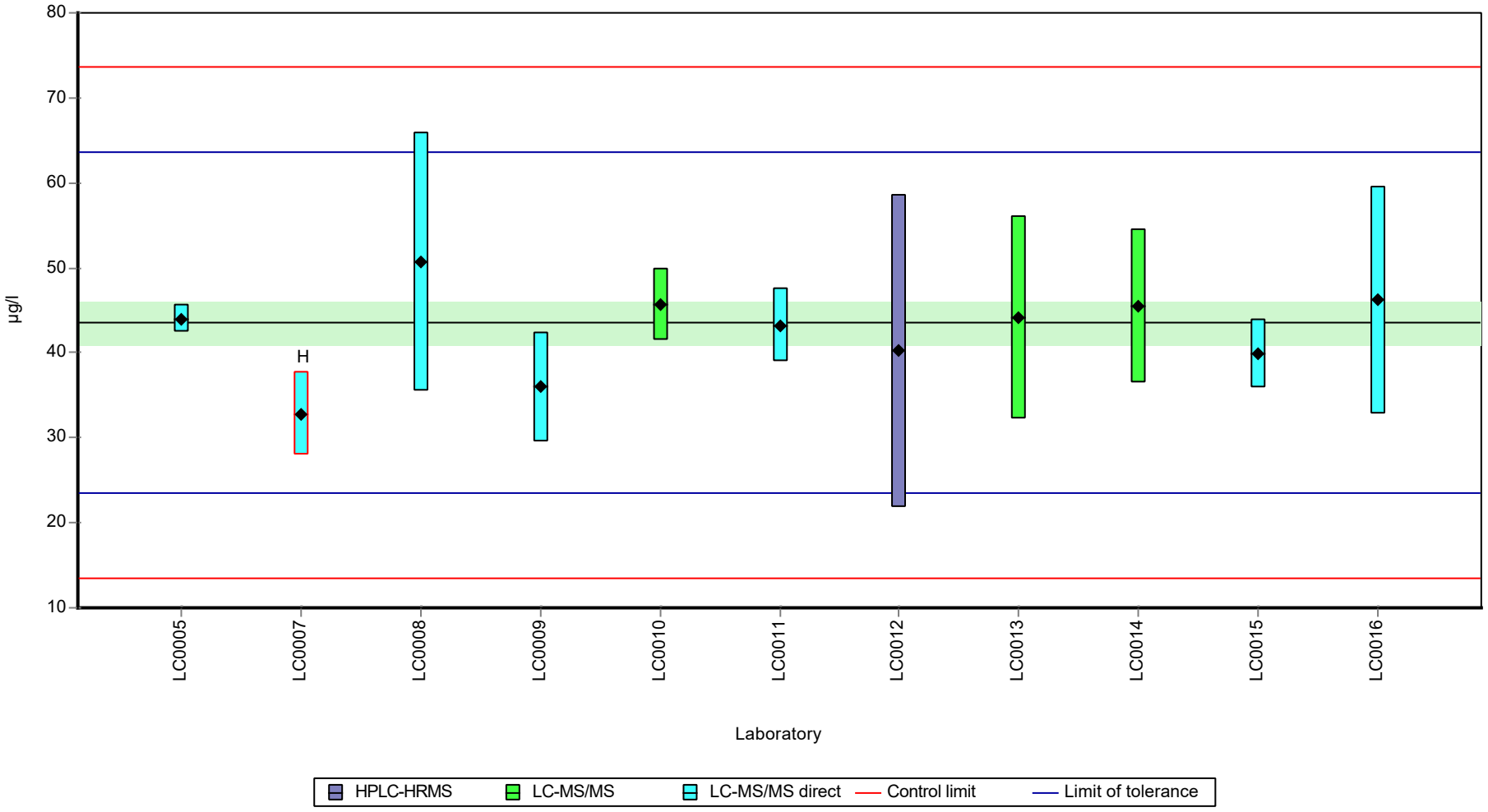
	all results	w ithout outliers	Unit
Mean ± CI (99%)	42.6 ± 4.57	43.5 ± 3.88	µg/l
Minimum	32.8	35.9	µg/l
Maximum	50.8	50.8	µg/l
Standard deviation	5.05	4.09	µg/l
rel. standard deviation	11.9	9.39	%
n	11	10	-

Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12

Sample: AZ12B, Parameter: Iopamidol

Graphical presentation of results

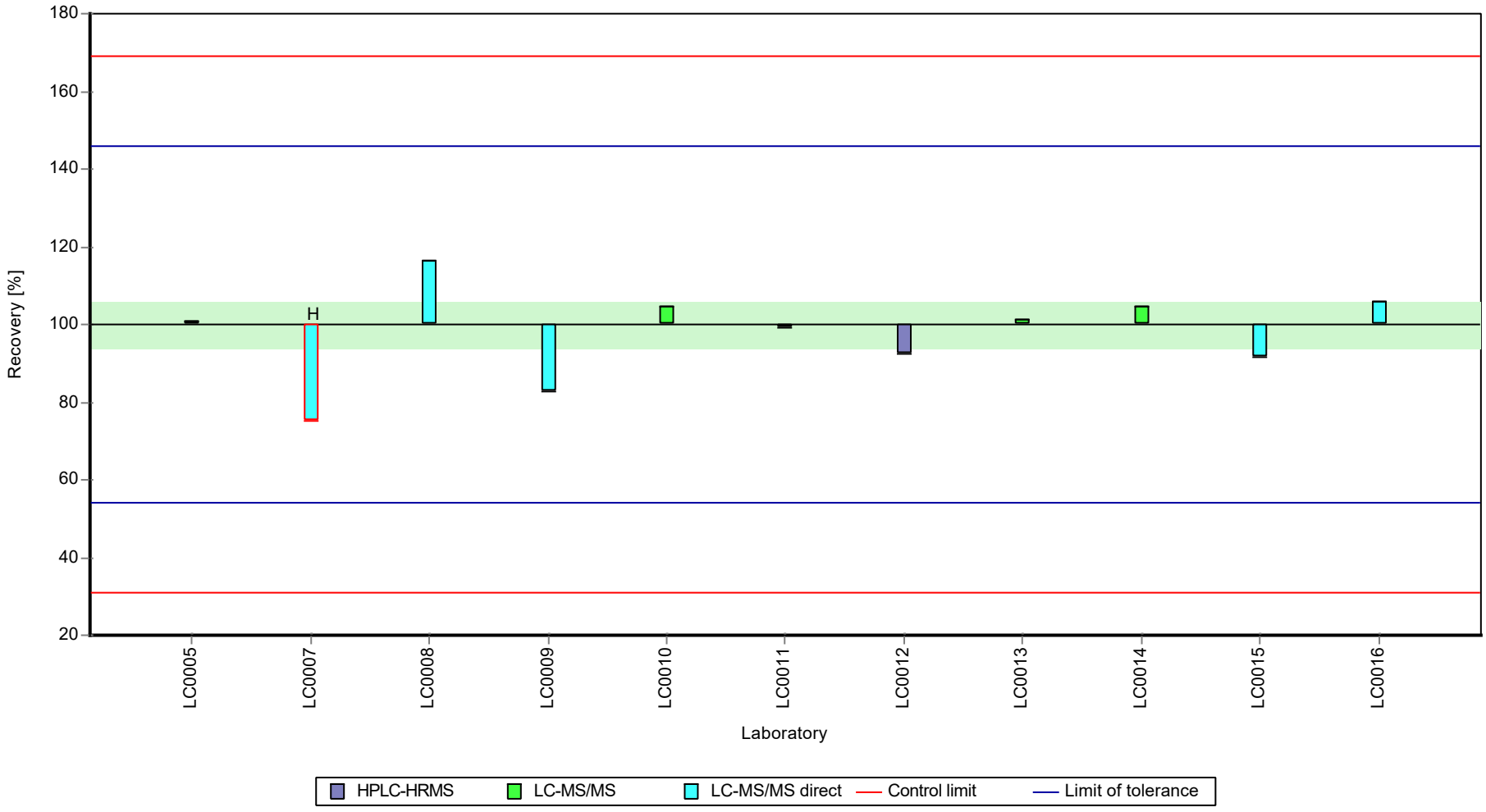
Results



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12

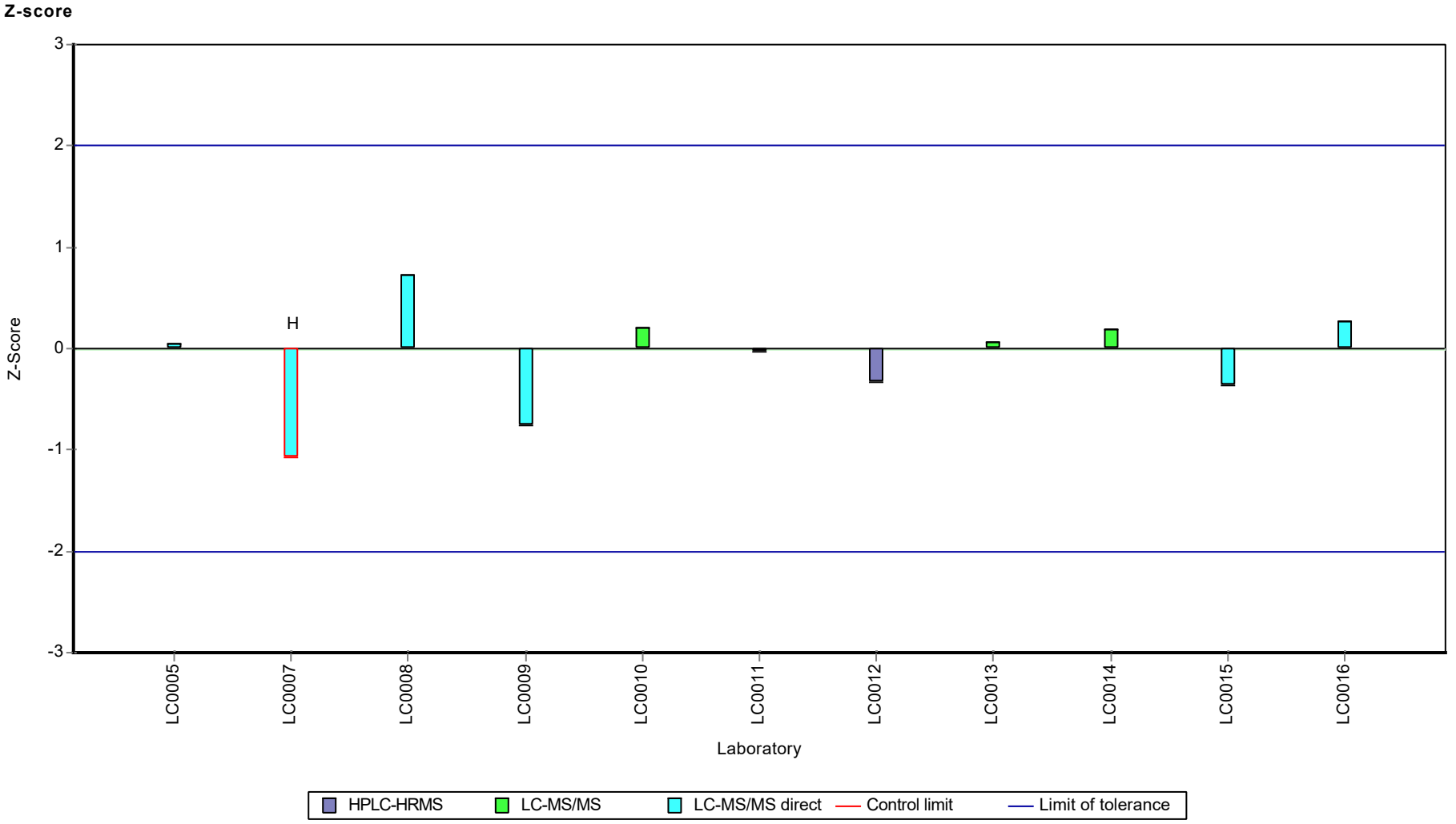
Sample: AZ12B, Parameter: Iopamidol

Recovery rate



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12

Sample: AZ12B, Parameter: Iopamidol



Parameter oriented report

AZ12 A

Metoprolol

Unit	µg/l
Assigned value ± U (k=2)	0.159 ± 0.00712
Criterion	0.0319 (20 %)
Minimum - Maximum	0.14 - 0.181
Control test value ± U (k=2)	0.172 ± 0.0515

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.155	0.047	97.2	-0.14	
LC0002	0.162	0.041	102	0.08	
LC0003	-	-	-	-	
LC0004	0.14	0.031	87.8	-0.61	
LC0005	0.1589	0.0057	99.7	-0.02	
LC0006	-	-	-	-	
LC0007	0.152	0.0137	95.4	-0.23	
LC0008	0.199	0.08	125	1.24	H
LC0009	0.152	0.027	95.4	-0.23	
LC0010	-	-	-	-	
LC0011	0.166	0.0166	104	0.21	
LC0012	0.17	0.01717	107	0.33	
LC0013	-	-	-	-	
LC0014	0.157	0.031	98.5	-0.07	
LC0015	-	-	-	-	
LC0016	0.181	0.0271	114	0.68	

Characteristics of parameter

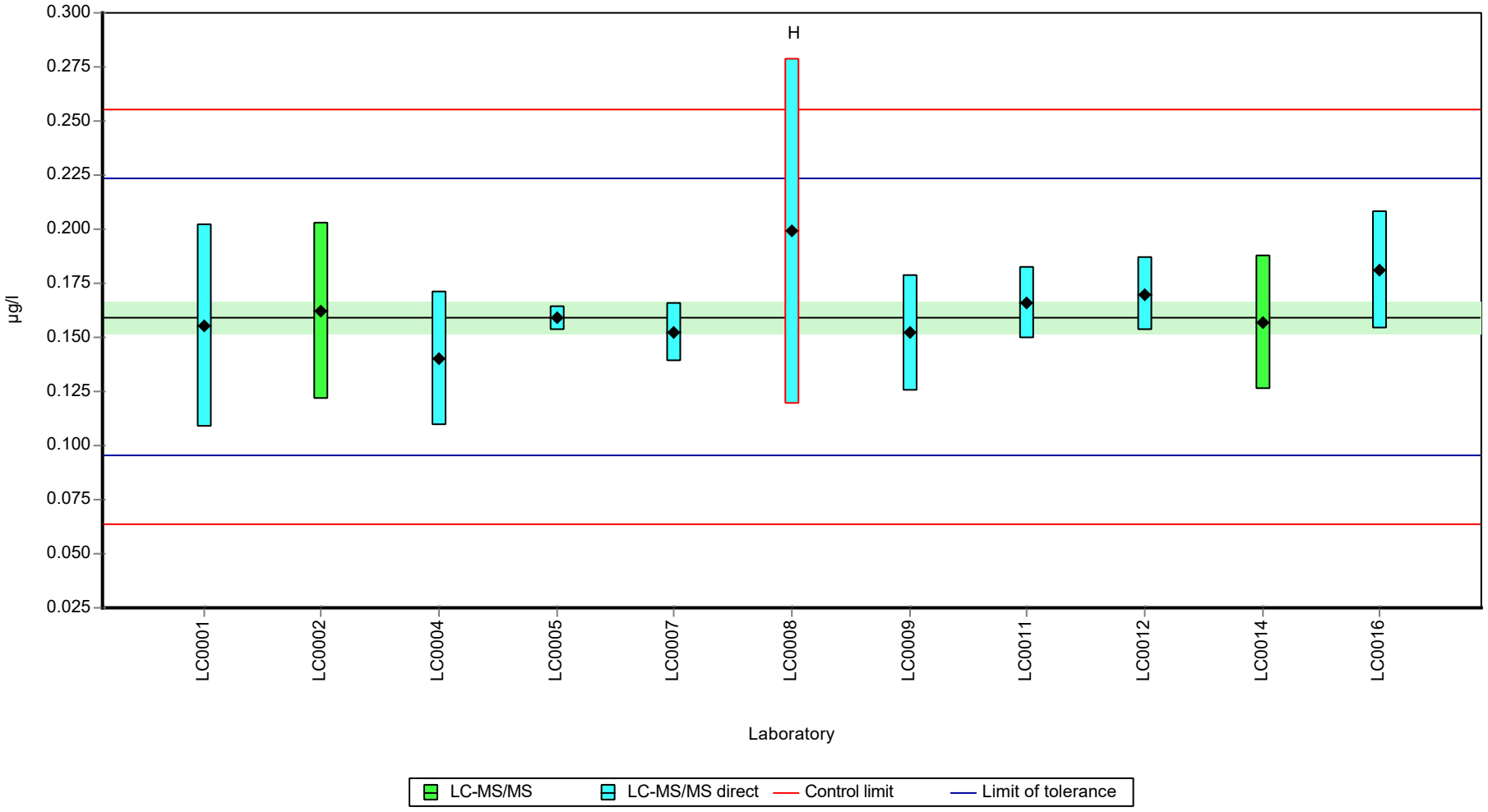
	all results	w ithout outliers	Unit
Mean ± CI (99%)	0.163 ± 0.0145	0.159 ± 0.0107	µg/l
Minimum	0.14	0.14	µg/l
Maximum	0.199	0.181	µg/l
Standard deviation	0.016	0.0113	µg/l
rel. standard deviation	9.83	7.06	%
n	11	10	-

Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12

Sample: AZ12A, Parameter: Metoprolol

Graphical presentation of results

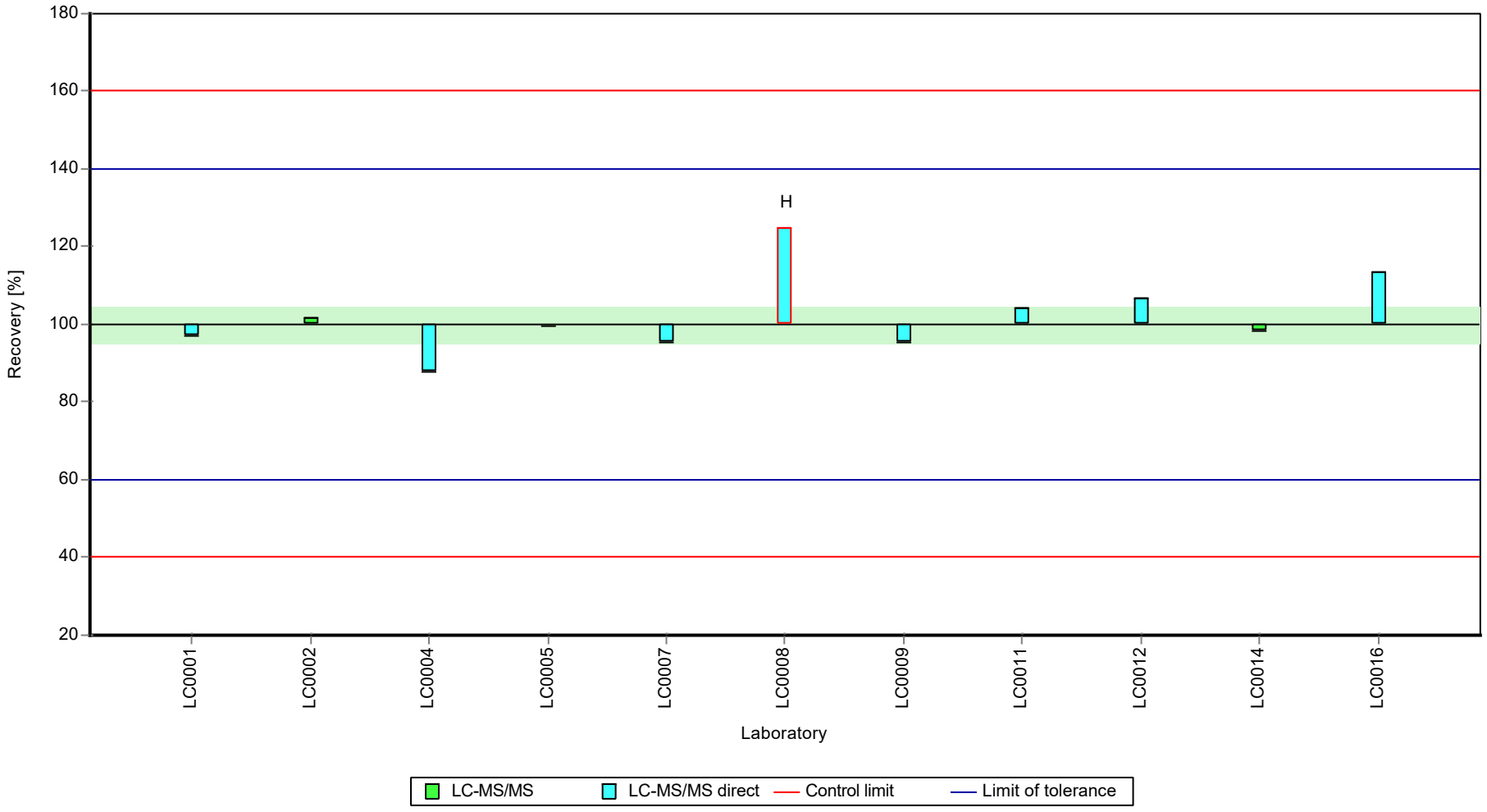
Results



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12

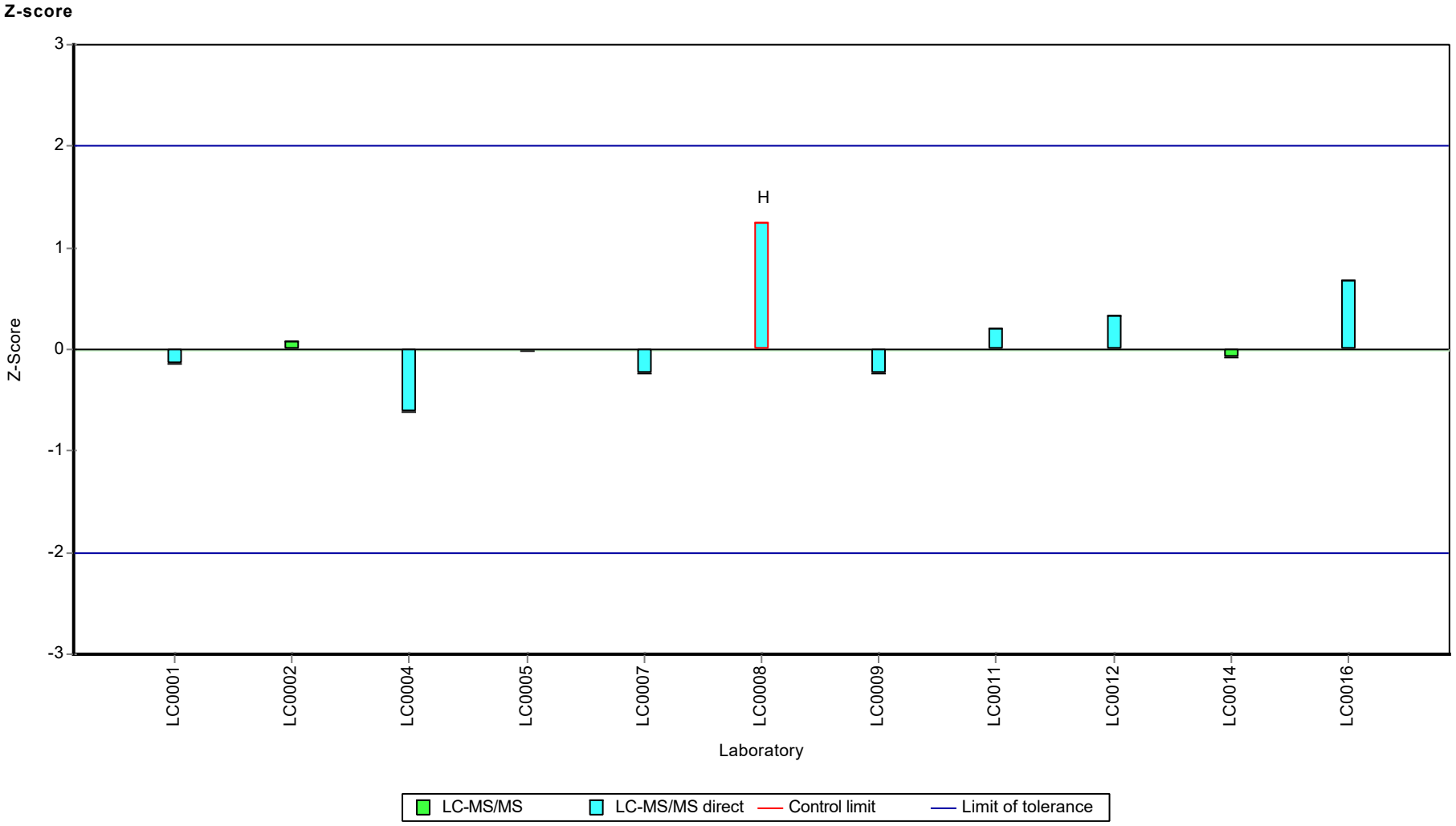
Sample: AZ12A, Parameter: Metoprolol

Recovery rate



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12

Sample: AZ12A, Parameter: Metoprolol



Parameter oriented report

AZ12 B

Metoprolol

Unit	µg/l
Assigned value ± U (k=2)	0.188 ± 0.0066
Criterion	0.0375 (20 %)
Minimum - Maximum	0.176 - 0.206
Control test value ± U (k=2)	0.226 ± 0.0678

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.18	0.054	96	-0.2	
LC0002	0.201	0.05	107	0.36	
LC0003	-	-	-	-	
LC0004	0.18	0.04	96	-0.2	
LC0005	0.1907	0.002	102	0.08	
LC0006	-	-	-	-	
LC0007	0.227	0.0204	121	1.05	H
LC0008	0.18	0.072	96	-0.2	
LC0009	0.196	0.035	104	0.22	
LC0010	-	-	-	-	
LC0011	0.187	0.0187	99.7	-0.02	
LC0012	0.176	0.01778	93.8	-0.31	
LC0013	-	-	-	-	
LC0014	0.179	0.036	95.4	-0.23	
LC0015	-	-	-	-	
LC0016	0.206	0.0309	110	0.49	

Characteristics of parameter

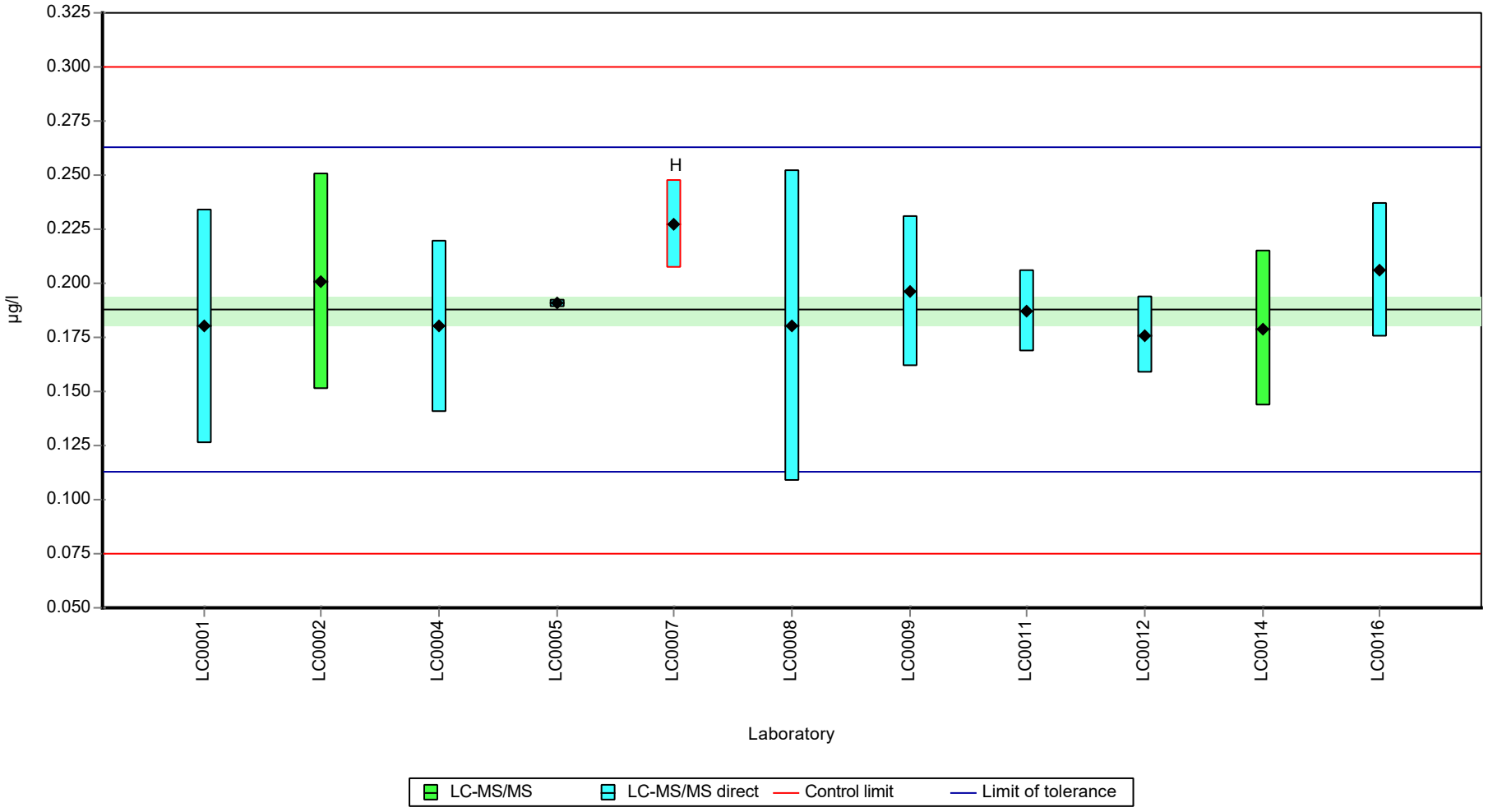
	all results	w ithout outliers	Unit
Mean ± CI (99%)	0.191 ± 0.014	0.188 ± 0.0099	µg/l
Minimum	0.176	0.176	µg/l
Maximum	0.227	0.206	µg/l
Standard deviation	0.0155	0.0104	µg/l
rel. standard deviation	8.09	5.56	%
n	11	10	-

Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12

Sample: AZ12B, Parameter: Metoprolol

Graphical presentation of results

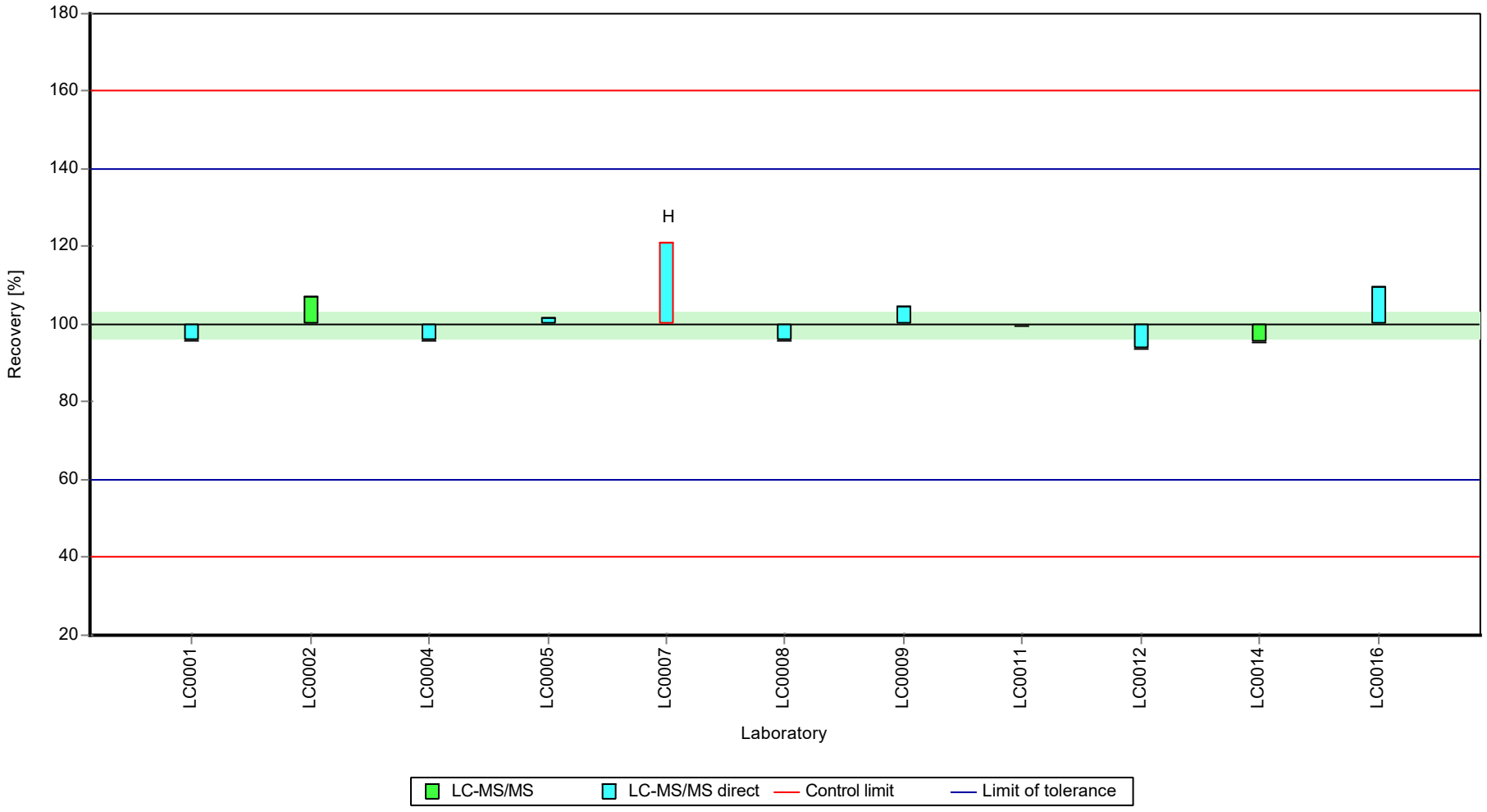
Results



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12

Sample: AZ12B, Parameter: Metoprolol

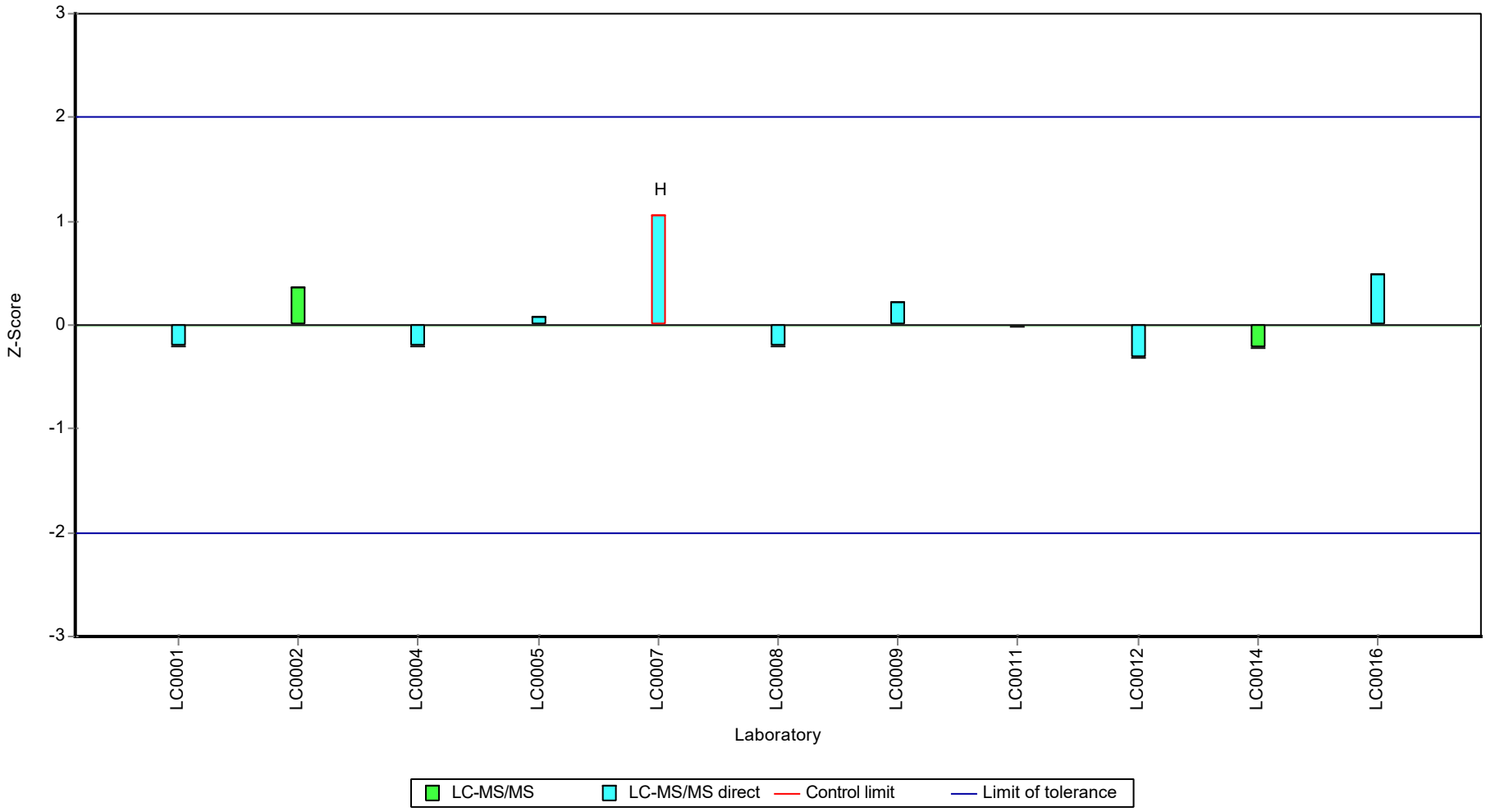
Recovery rate



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12

Sample: AZ12B, Parameter: Metoprolol

Z-score



Parameter oriented report

AZ12 A

Saccharin

Unit	µg/l
Assigned value ± U (k=2)	0.324 ± 0.0254
Criterion	0.0485 (15 %)
Minimum - Maximum	0.28 - 0.352
Control test value ± U (k=2)	0.315 ± 0.0473

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	-	-	-	-	
LC0006	0.1693	0.0339	52.3	-3.18	H
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	0.336	0.06	104	0.26	
LC0010	0.3523	0.0247	109	0.59	
LC0011	0.348	0.0348	108	0.5	
LC0012	-	-	-	-	
LC0013	0.336	0.077	104	0.26	
LC0014	0.289	0.058	89.3	-0.71	
LC0015	-	-	-	-	
LC0016	0.28	0.0867	86.5	-0.9	

Characteristics of parameter

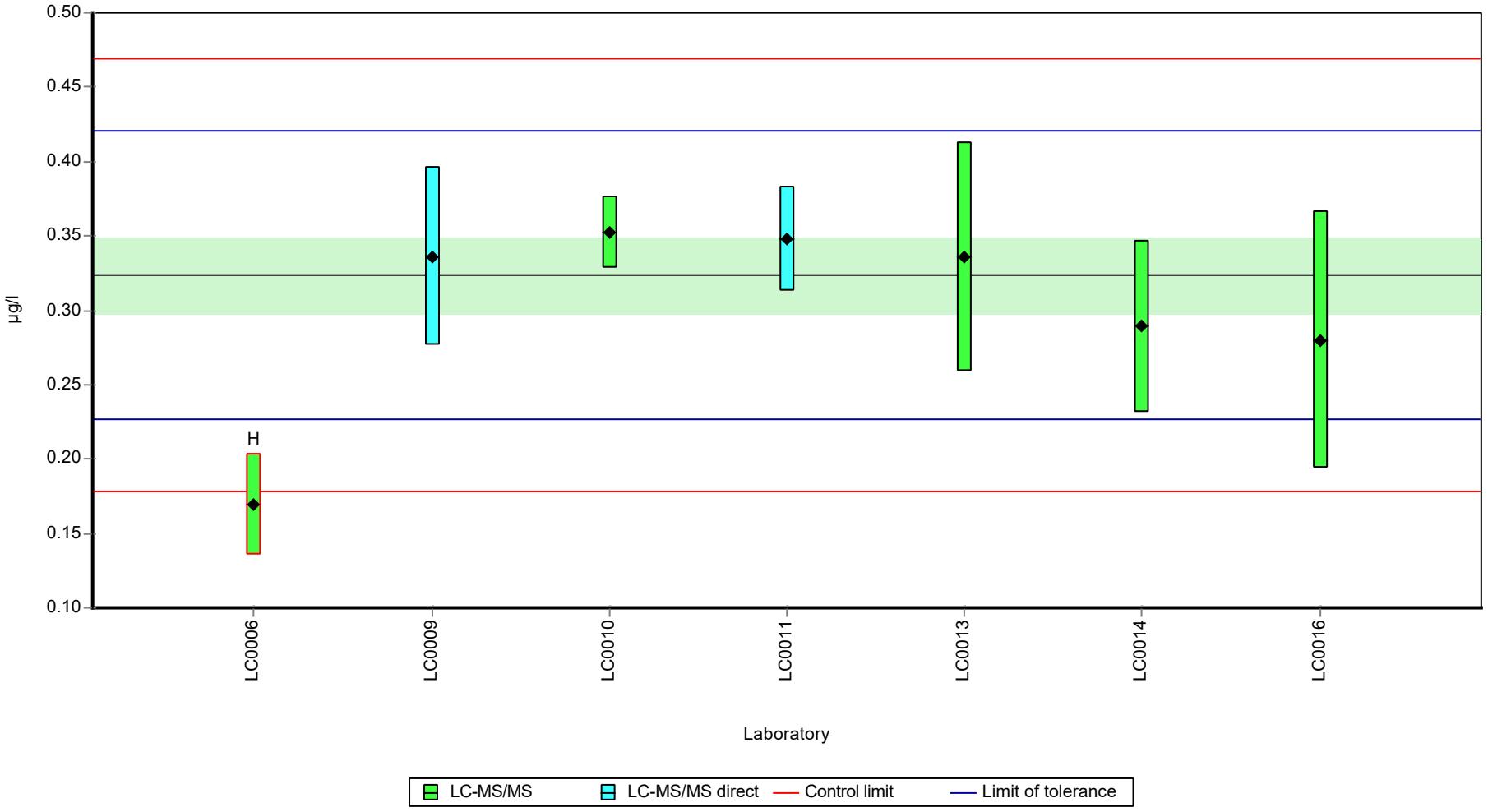
	all results	w ithout outliers	Unit
Mean ± CI (99%)	0.302 ± 0.0735	0.324 ± 0.038	µg/l
Minimum	0.169	0.28	µg/l
Maximum	0.352	0.352	µg/l
Standard deviation	0.0648	0.0311	µg/l
rel. standard deviation	21.5	9.6	%
n	7	6	-

Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12

Sample: AZ12A, Parameter: Saccharin

Graphical presentation of results

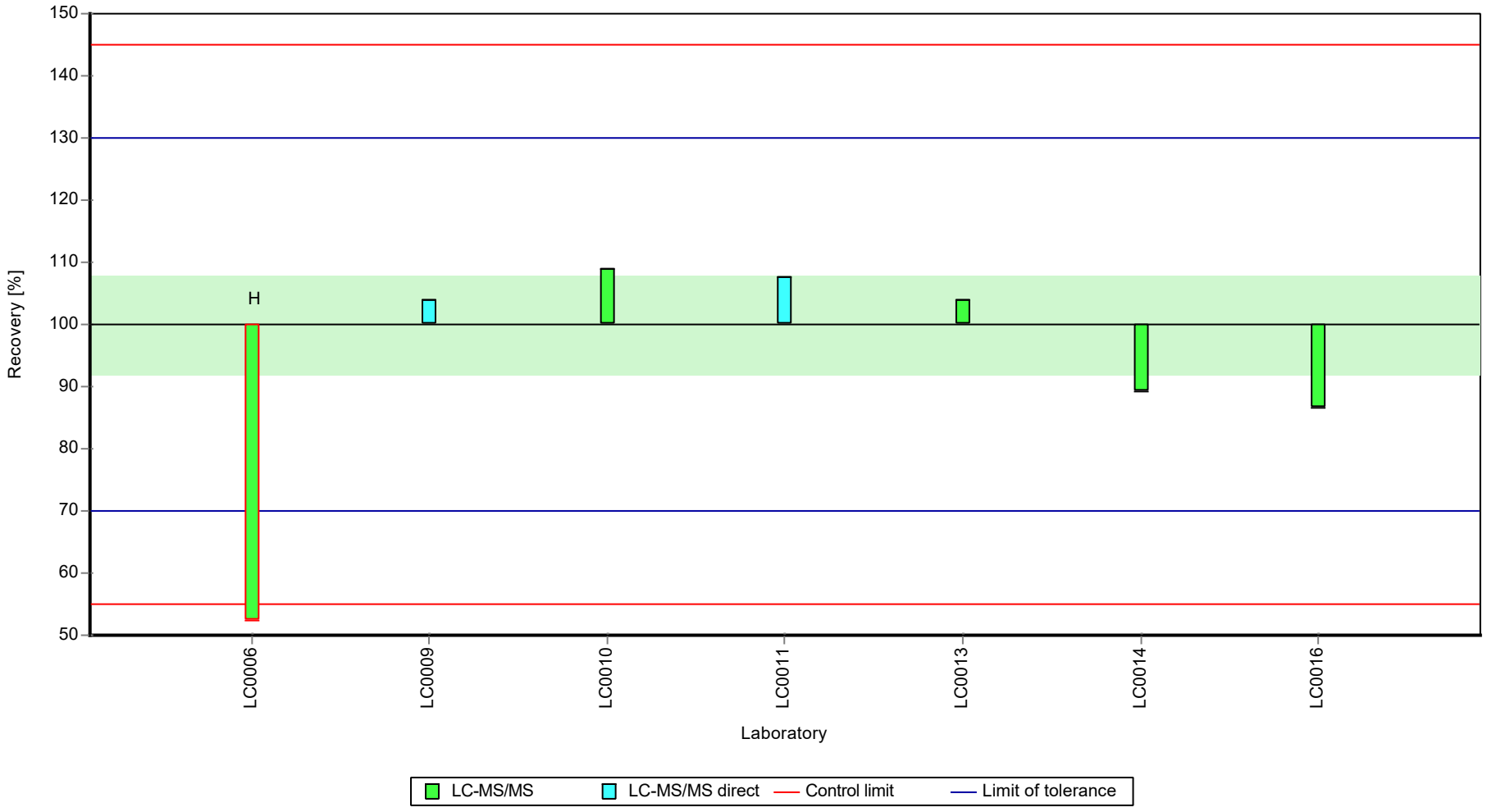
Results



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12

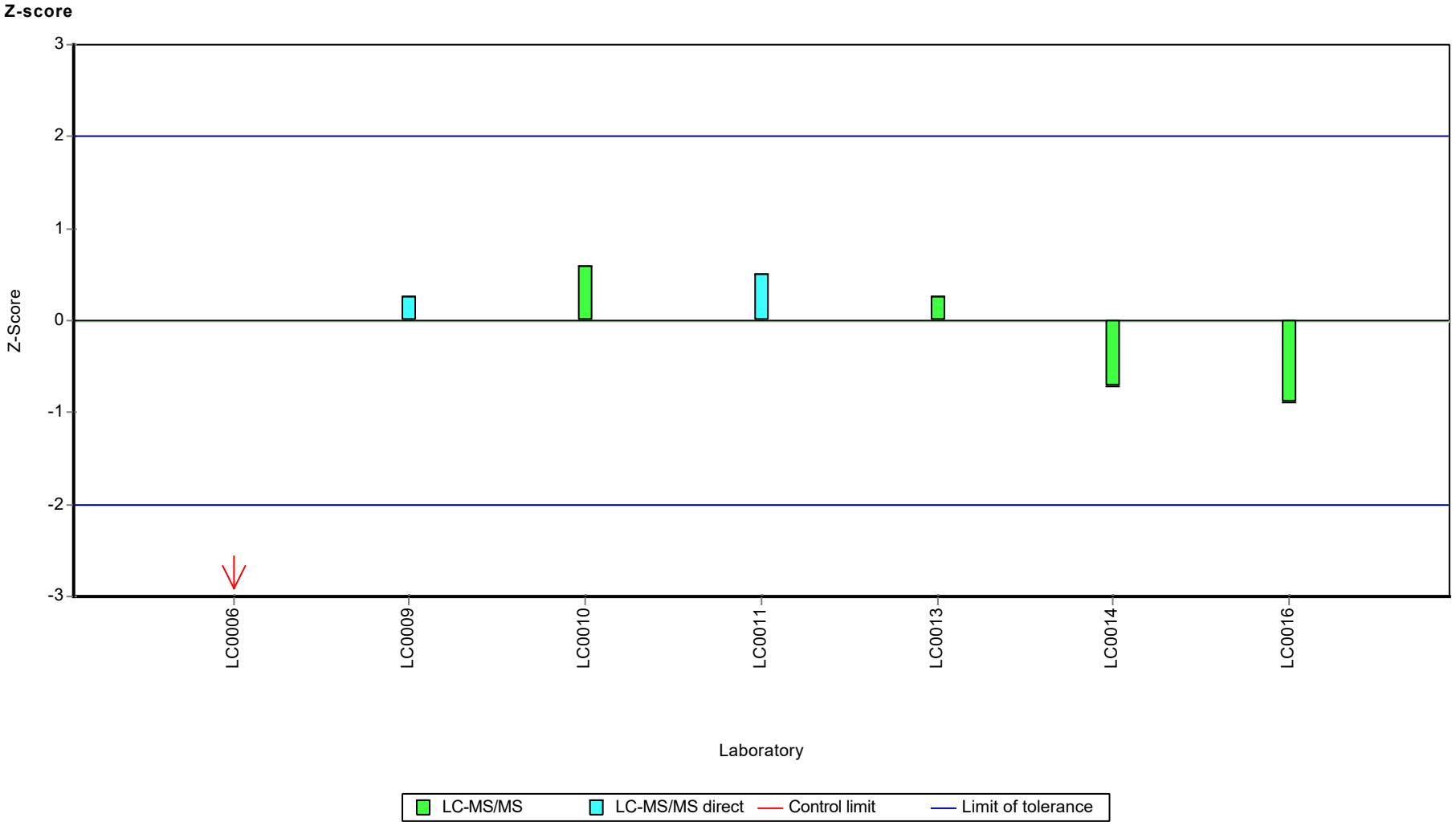
Sample: AZ12A, Parameter: Saccharin

Recovery rate



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12

Sample: AZ12A, Parameter: Saccharin



Parameter oriented report

AZ12 B

Saccharin*

Unit	µg/l
Assigned value ± U (k=2)	-
Criterion	-
Minimum - Maximum	3.05 - 3.76
Control test value ± U (k=2)	3.49 ± 0.524

*The calculated mean value MV +/- U(k=2) based on the data of the accredited laboratories (n) after outlier removal is listed for information.

This can be used for comparison as part of your internal QA measures: MV (n=5; accr.) +/- U(k=2): 3.42 +/- 0.282 µg/l

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	-	-	-	-	
LC0006	1.0158	0.2032	-	-	H
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	3.398	0.612	-	-	
LC0010	3.7561	0.2629	-	-	
LC0011	5.294	0.5294	-	-	H
LC0012	-	-	-	-	
LC0013	3.72	0.856	-	-	
LC0014	3.05	0.61	-	-	
LC0015	-	-	-	-	
LC0016	3.18	0.986	-	-	

Characteristics of parameter

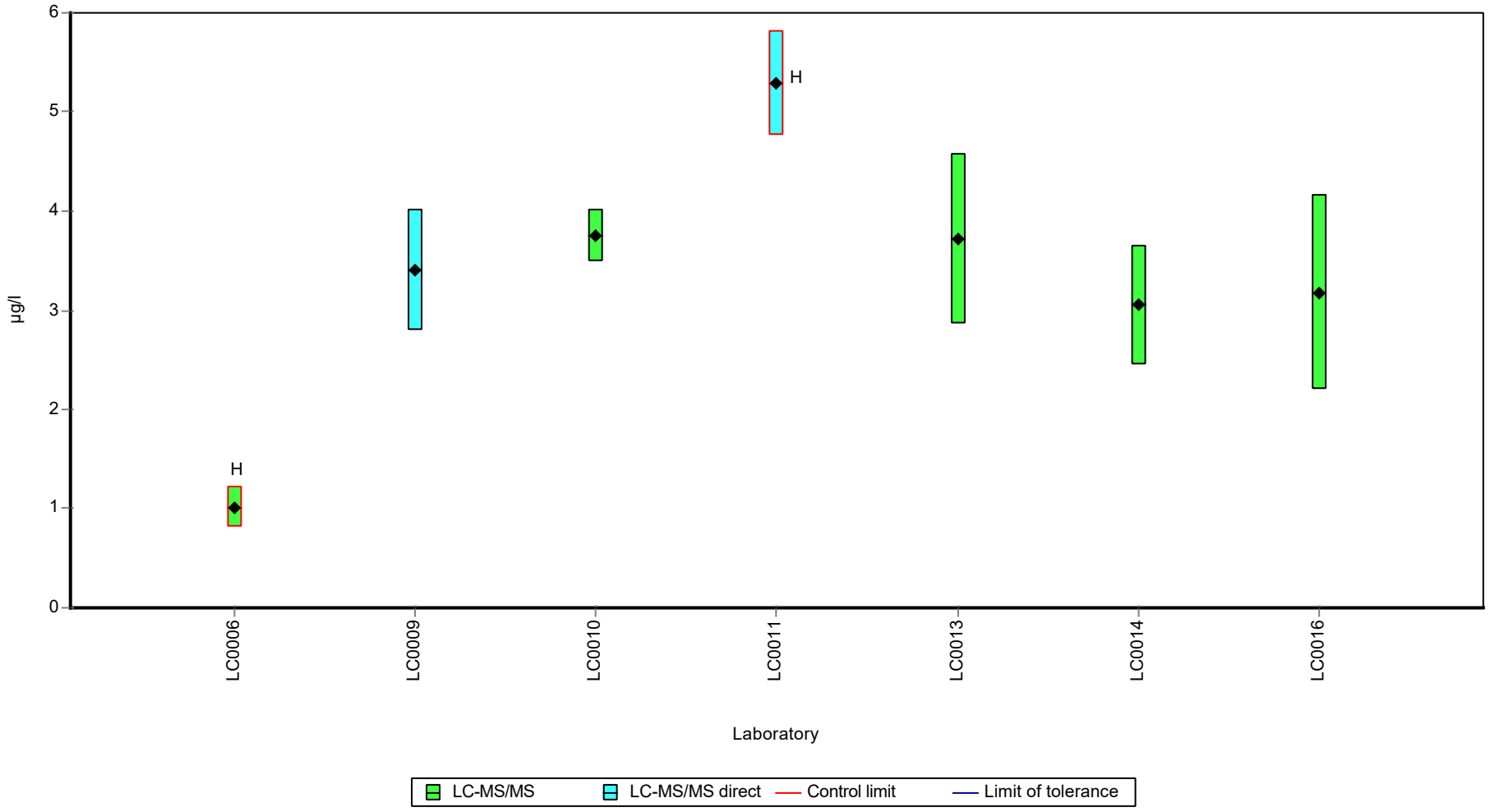
	all results	w ithout outliers	Unit
Mean ± CI (99%)	3.34 ± 1.44	-	µg/l
Minimum	1.02	3.05	µg/l
Maximum	5.29	3.76	µg/l
Standard deviation	1.27	-	µg/l
rel. standard deviation	37.9	-	%
n	7	5	-

Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12

Sample: AZ12B, Parameter: Saccharin

Graphical presentation of results

Results



Parameter oriented report

AZ12 A

Sotalol

Unit	µg/l
Assigned value ± U (k=2)	0.194 ± 0.0195
Criterion	0.0427 (22 %)
Minimum - Maximum	0.144 - 0.262
Control test value ± U (k=2)	0.187 ± 0.0656

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.21	0.063	108	0.38	
LC0002	0.262	0.066	135	1.59	
LC0003	-	-	-	-	
LC0004	0.19	0.14	98	-0.09	
LC0005	0.208	0.002	107	0.33	
LC0006	-	-	-	-	
LC0007	0.172	0.0295	88.7	-0.51	
LC0008	0.144	0.029	74.2	-1.17	
LC0009	0.166	0.03	85.6	-0.66	
LC0010	-	-	-	-	
LC0011	0.1605	0.01605	82.8	-0.78	
LC0012	0.207	0.03291	107	0.31	
LC0013	-	-	-	-	
LC0014	0.204	0.041	105	0.24	
LC0015	-	-	-	-	
LC0016	0.21	0.0378	108	0.38	

Characteristics of parameter

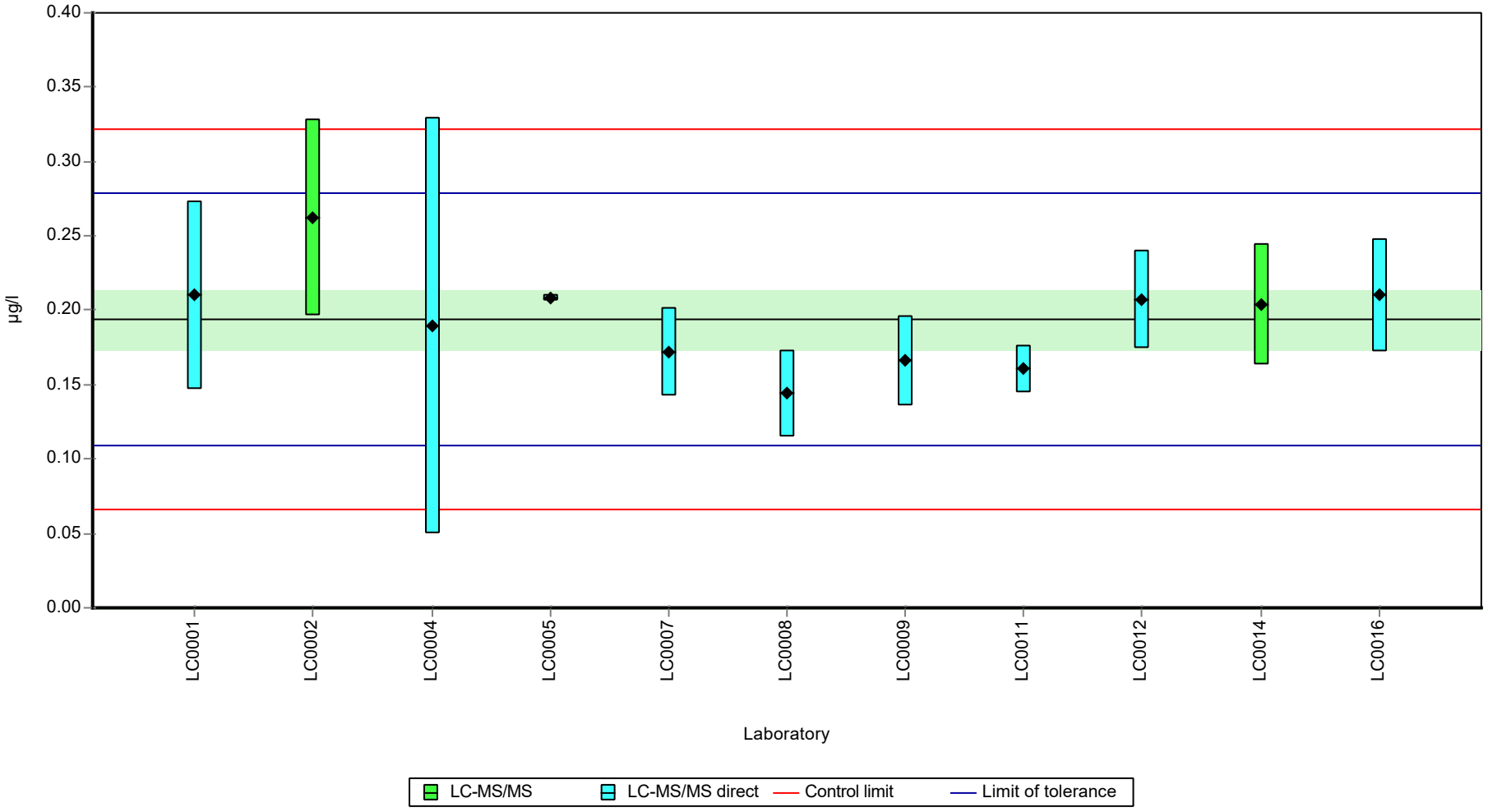
	all results	w ithout outliers	Unit
Mean ± CI (99%)	0.194 ± 0.0293	0.194 ± 0.0293	µg/l
Minimum	0.144	0.144	µg/l
Maximum	0.262	0.262	µg/l
Standard deviation	0.0324	0.0324	µg/l
rel. standard deviation	16.7	16.7	%
n	11	11	-

Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12

Sample: AZ12A, Parameter: Sotalol

Graphical presentation of results

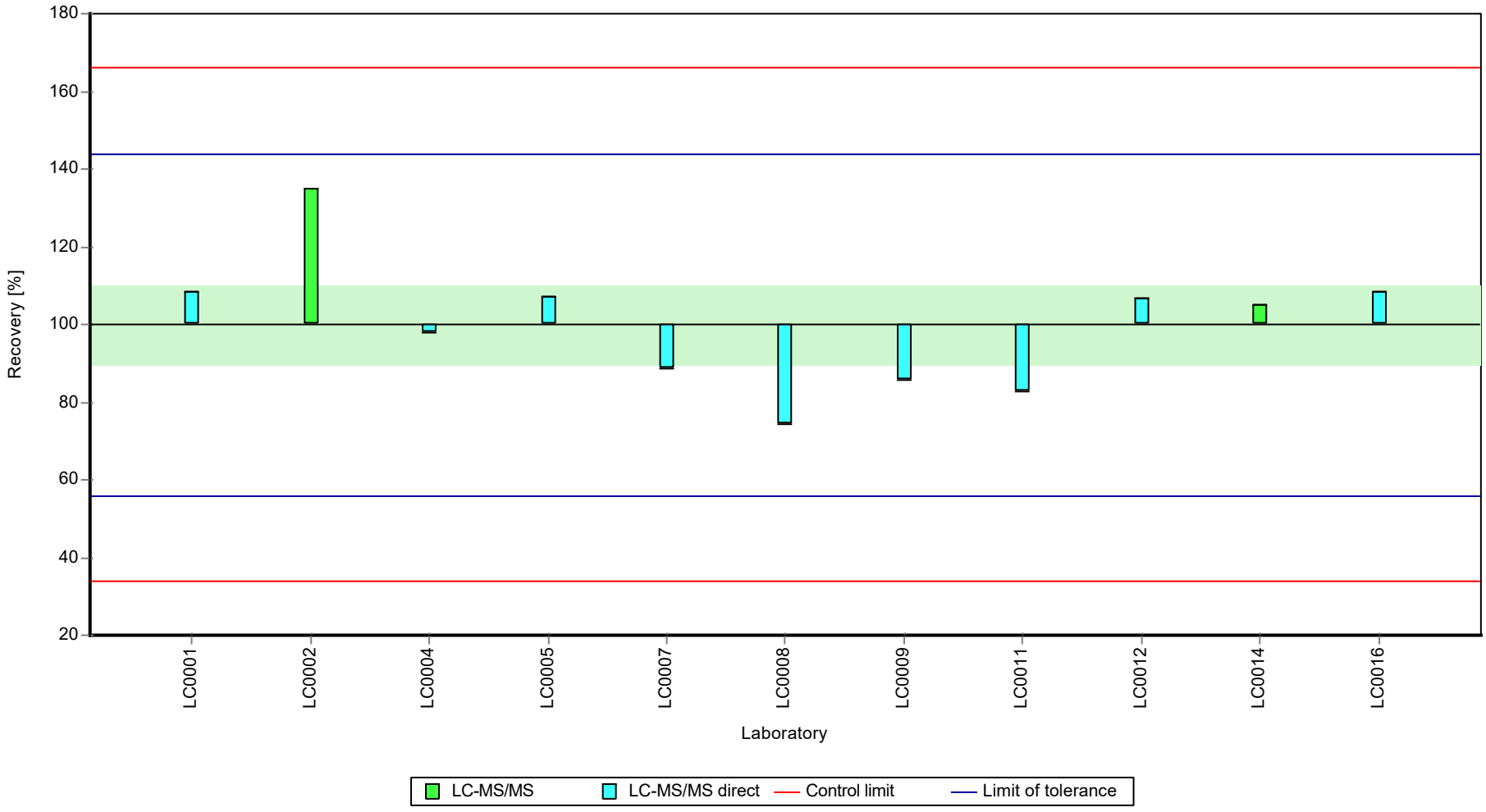
Results



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12

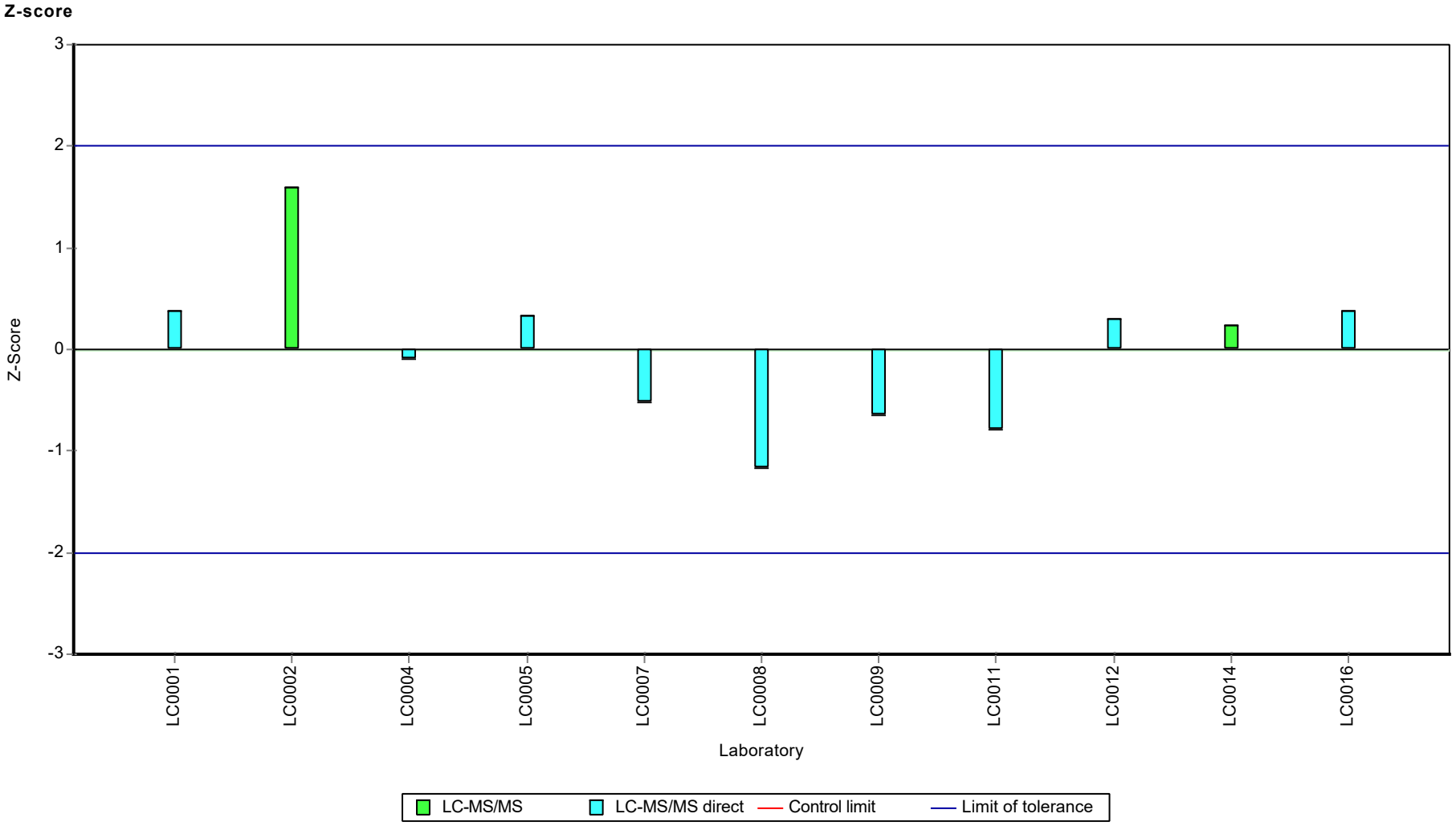
Sample: AZ12A, Parameter: Sotalol

Recovery rate



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12

Sample: AZ12A, Parameter: Sotalol



Parameter oriented report

AZ12 B

Sotalol

Unit	µg/l
Assigned value ± U (k=2)	0.169 ± 0.0253
Criterion	0.0372 (22 %)
Minimum - Maximum	0.129 - 0.249
Control test value ± U (k=2)	0.166 ± 0.0582

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.155	0.047	91.6	-0.38	
LC0002	0.187	0.047	110	0.48	
LC0003	-	-	-	-	
LC0004	0.13	0.098	76.8	-1.05	
LC0005	0.13	0.002	76.8	-1.05	
LC0006	-	-	-	-	
LC0007	0.249	0.0423	147	2.14	
LC0008	0.241	0.048	142	1.93	
LC0009	0.16	0.029	94.5	-0.25	
LC0010	-	-	-	-	
LC0011	0.129	0.0129	76.2	-1.08	
LC0012	0.174	0.02767	103	0.13	
LC0013	-	-	-	-	
LC0014	0.165	0.033	97.5	-0.11	
LC0015	-	-	-	-	
LC0016	0.142	0.0256	83.9	-0.73	

Characteristics of parameter

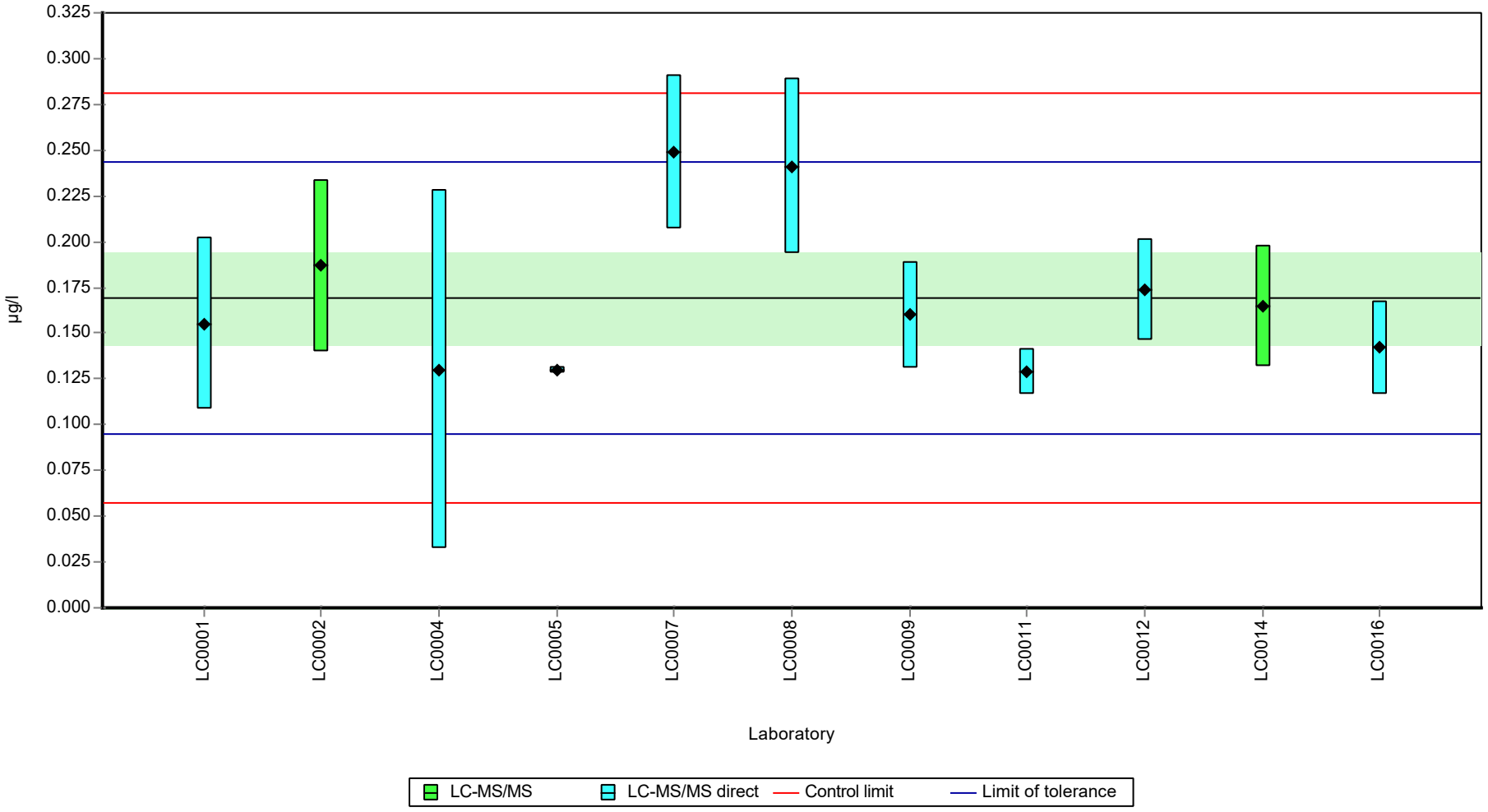
	all results	w ithout outliers	Unit
Mean ± CI (99%)	0.169 ± 0.0379	0.169 ± 0.0379	µg/l
Minimum	0.129	0.129	µg/l
Maximum	0.249	0.249	µg/l
Standard deviation	0.0419	0.0419	µg/l
rel. standard deviation	24.8	24.8	%
n	11	11	-

Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12

Sample: AZ12B, Parameter: Sotalol

Graphical presentation of results

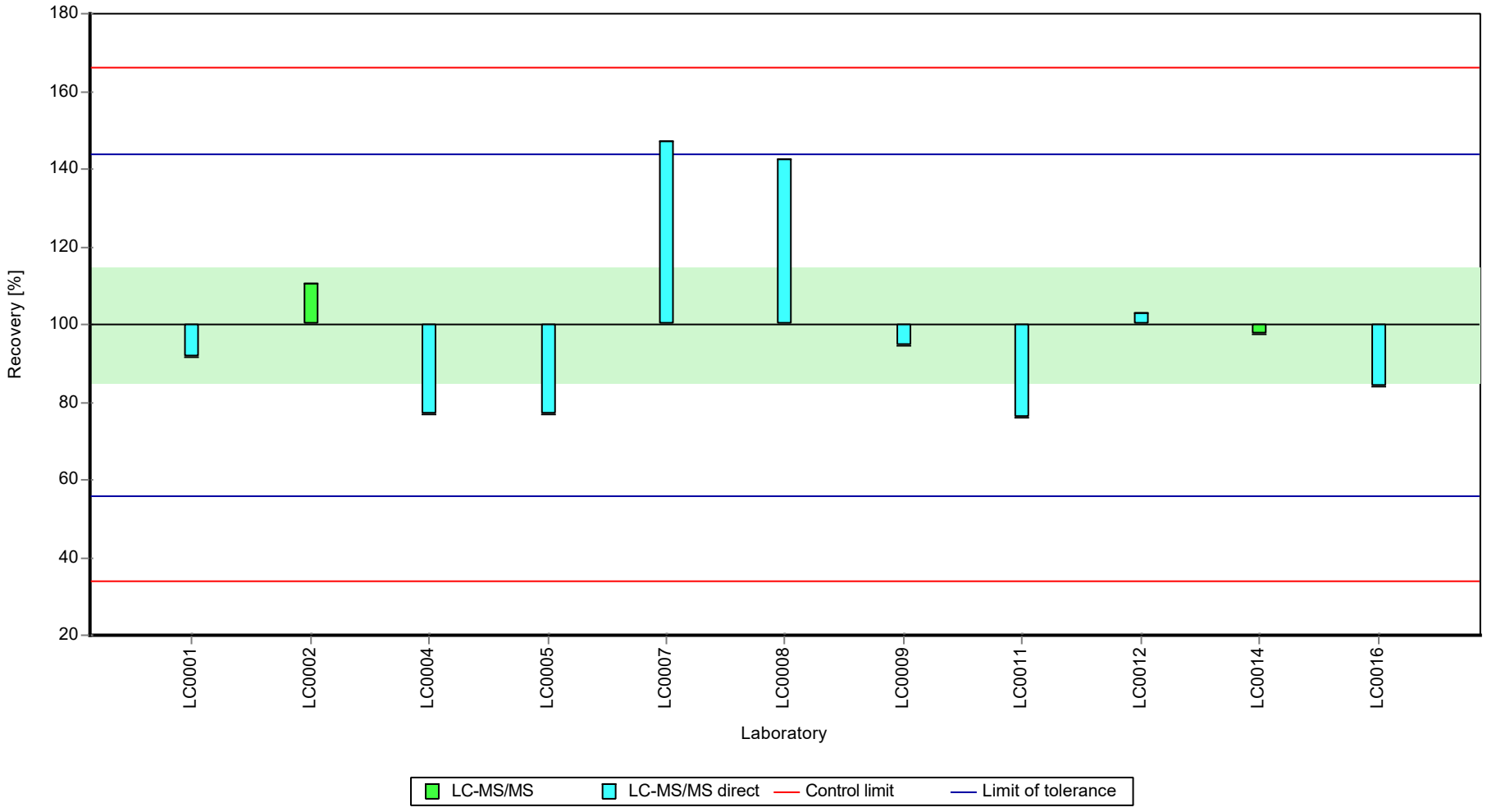
Results



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12

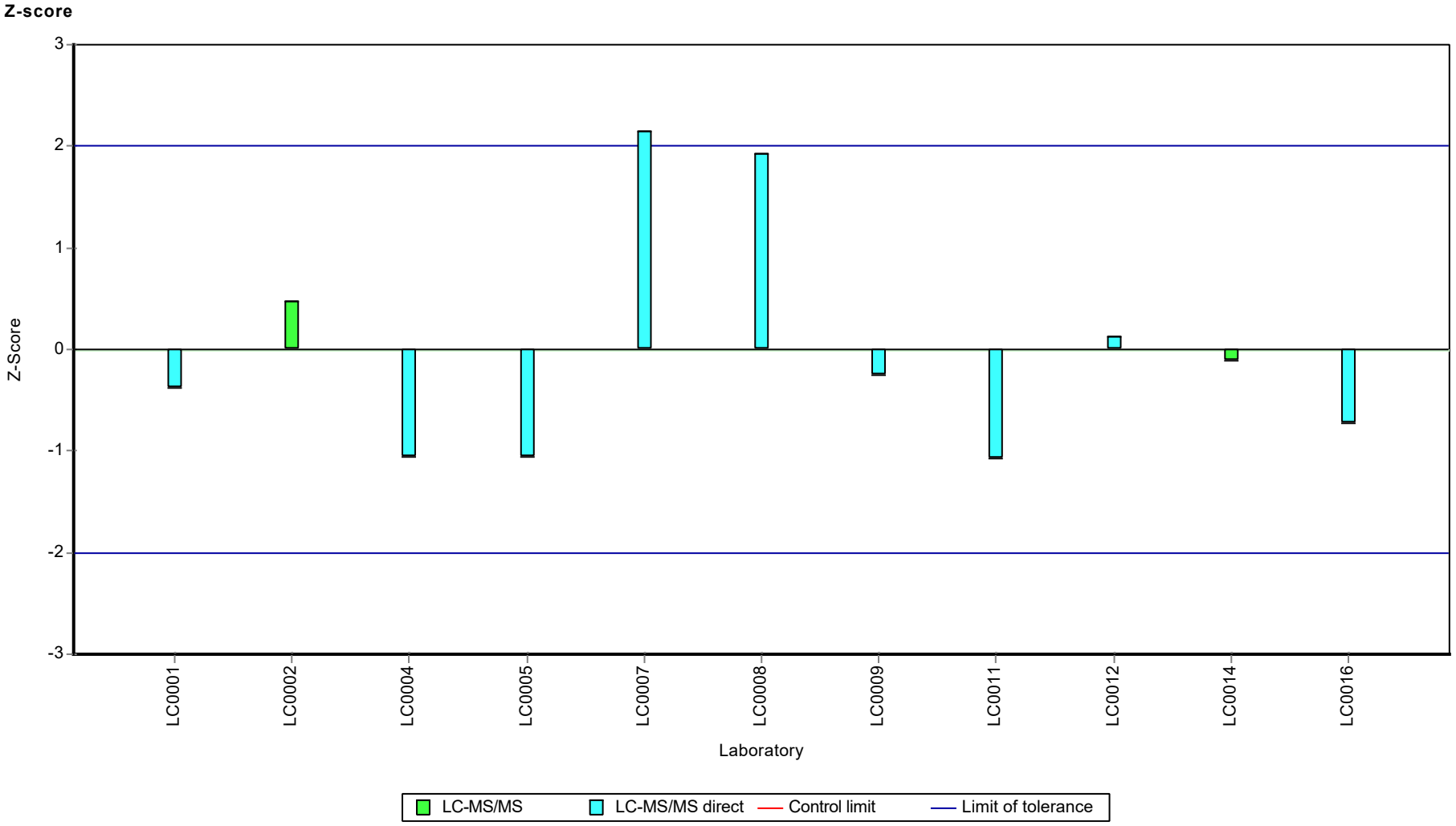
Sample: AZ12B, Parameter: Sotalol

Recovery rate



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12

Sample: AZ12B, Parameter: Sotalol



Parameter oriented report

AZ12 A

Sucralose

Unit	µg/l
Assigned value ± U (k=2)	1.11 ± 0.132
Criterion	0.277 (25 %)
Minimum - Maximum	0.828 - 1.42
Control test value ± U (k=2)	1.05 ± 0.527

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	1.4245	0.1268	128	1.14	
LC0006	0.9102	0.182	82	-0.72	
LC0007	0.828	0.0828	74.6	-1.01	
LC0008	31.77	12.707	2860	110.54	H
LC0009	1.08	0.194	97.3	-0.11	
LC0010	1.1216	0.0578	101	0.04	
LC0011	1.333	0.1333	120	0.81	
LC0012	-	-	-	-	
LC0013	1.248	0.312	112	0.5	
LC0014	0.96	0.192	86.5	-0.54	
LC0015	-	-	-	-	
LC0016	1.08	0.29	97.3	-0.11	

Characteristics of parameter

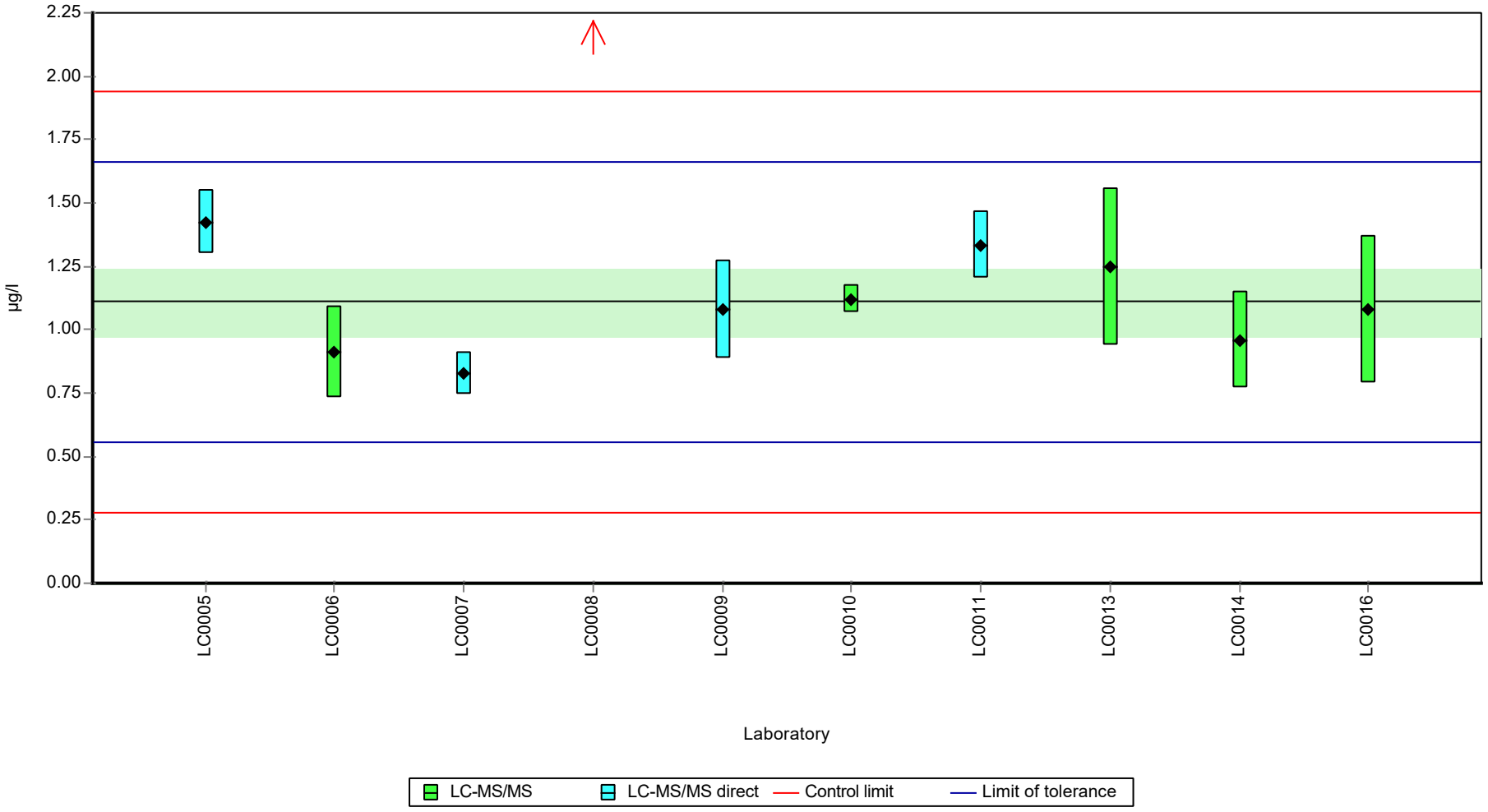
	all results	w ithout outliers	Unit
Mean ± CI (99%)	4.18 ± 9.2	1.11 ± 0.197	µg/l
Minimum	0.828	0.828	µg/l
Maximum	31.8	1.42	µg/l
Standard deviation	9.7	0.197	µg/l
rel. standard deviation	232	17.8	%
n	10	9	-

Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12

Sample: AZ12A, Parameter: Sucralose

Graphical presentation of results

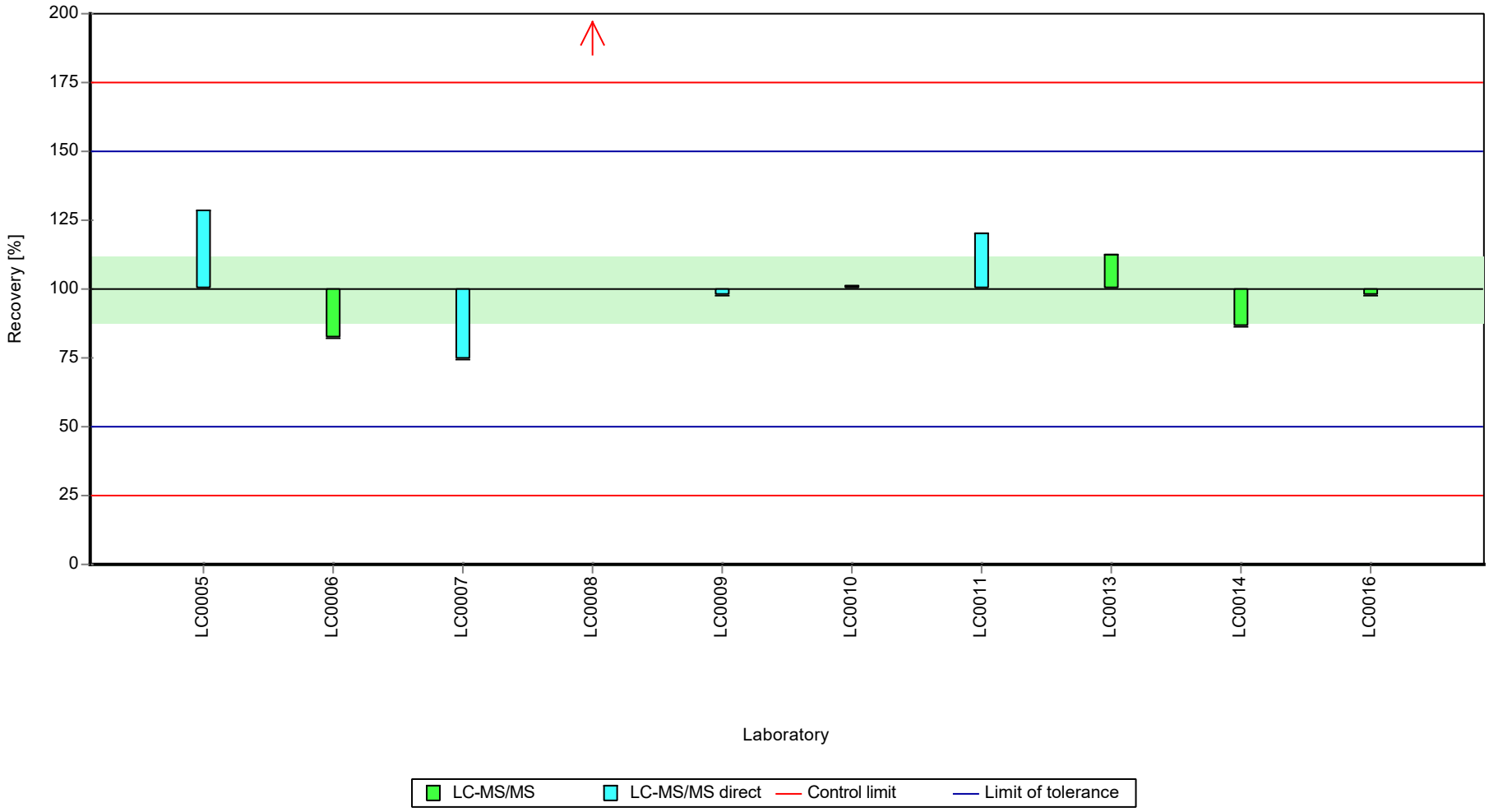
Results



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12

Sample: AZ12A, Parameter: Sucralose

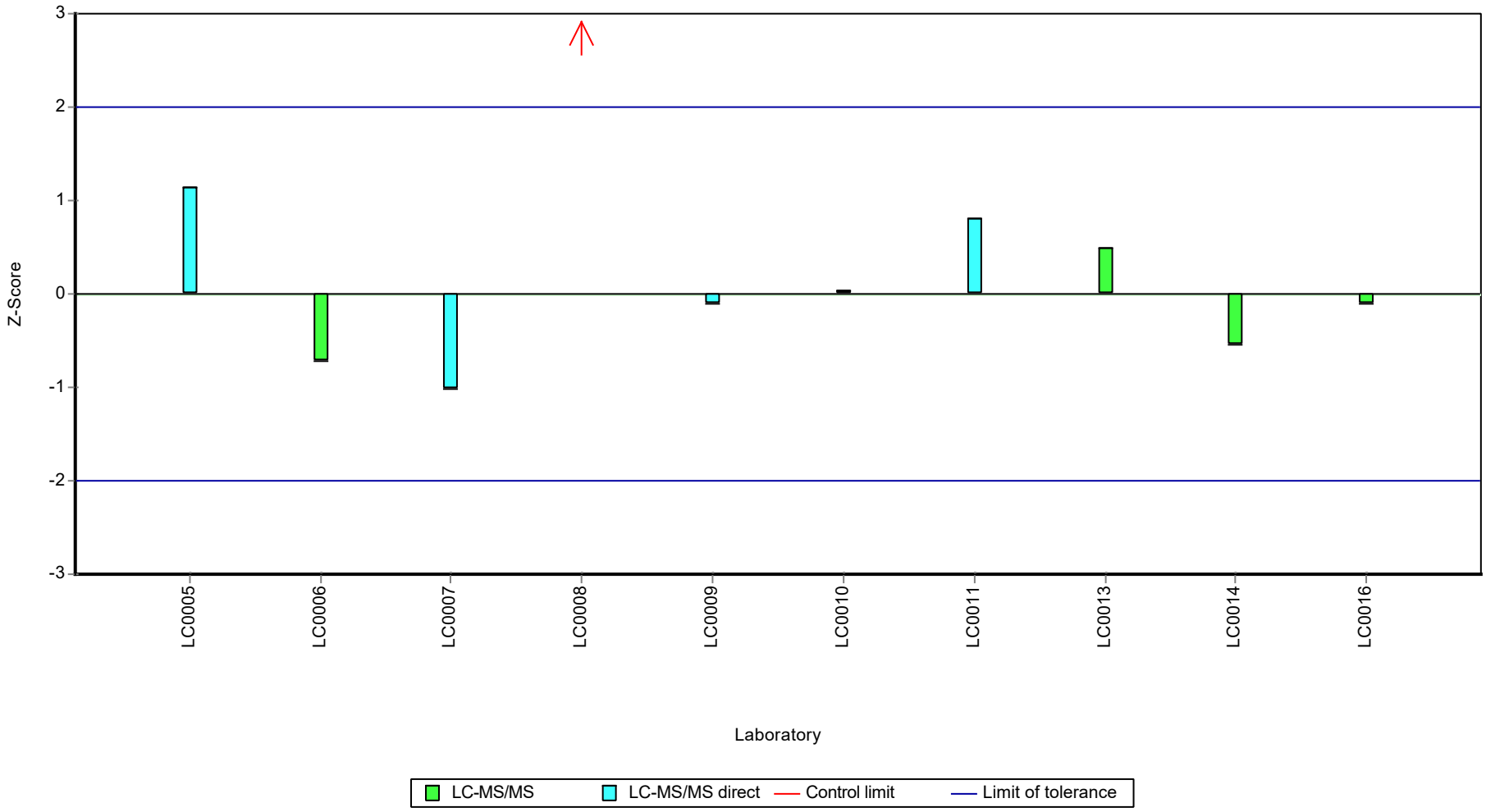
Recovery rate



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12

Sample: AZ12A, Parameter: Sucralose

Z-score



Parameter oriented report

AZ12 B

Sucralose

Unit	µg/l
Assigned value ± U (k=2)	26.2 ± 5.79
Criterion	8.11 (31 %)
Minimum - Maximum	9.42 - 33.4
Control test value ± U (k=2)	26.9 ± 13.5

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	33.354	3.279	127	0.89	
LC0006	9.4175	1.8835	36	-2.06	
LC0007	31.8	3.18	122	0.69	
LC0008	1.34	0.53	5.1	-3.06	H
LC0009	27.232	4.902	104	0.13	
LC0010	29.3813	1.5131	112	0.4	
LC0011	32.194	3.2194	123	0.74	
LC0012	-	-	-	-	
LC0013	27.24	6.81	104	0.13	
LC0014	18.7	3.74	71.5	-0.92	
LC0015	-	-	-	-	
LC0016	-	-	-	-	

Characteristics of parameter

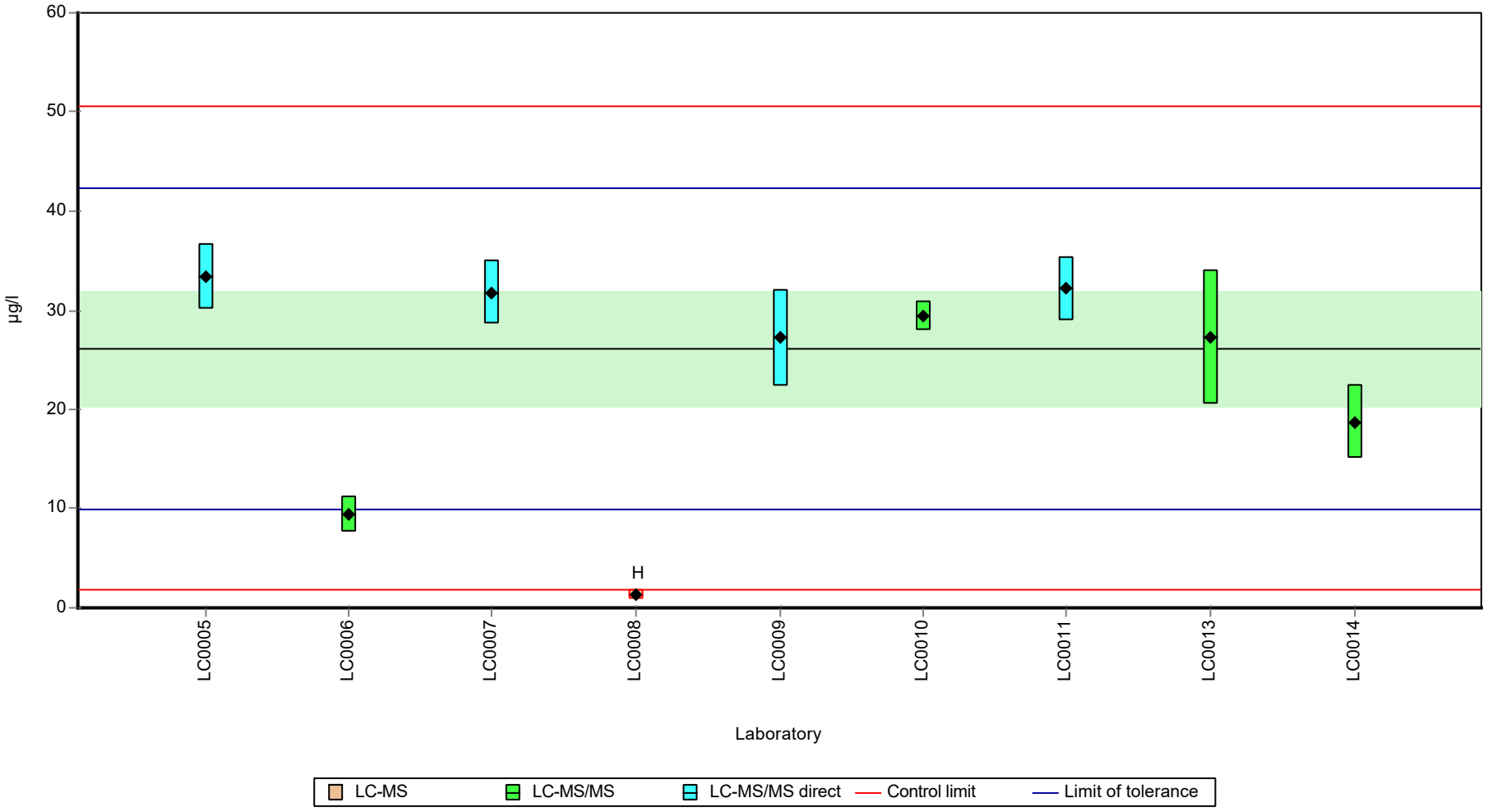
	all results	w ithout outliers	Unit
Mean ± CI (99%)	23.4 ± 11.3	26.2 ± 8.68	µg/l
Minimum	1.34	9.42	µg/l
Maximum	33.4	33.4	µg/l
Standard deviation	11.3	8.18	µg/l
rel. standard deviation	48.2	31.3	%
n	9	8	-

Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12

Sample: AZ12B, Parameter: Sucralose

Graphical presentation of results

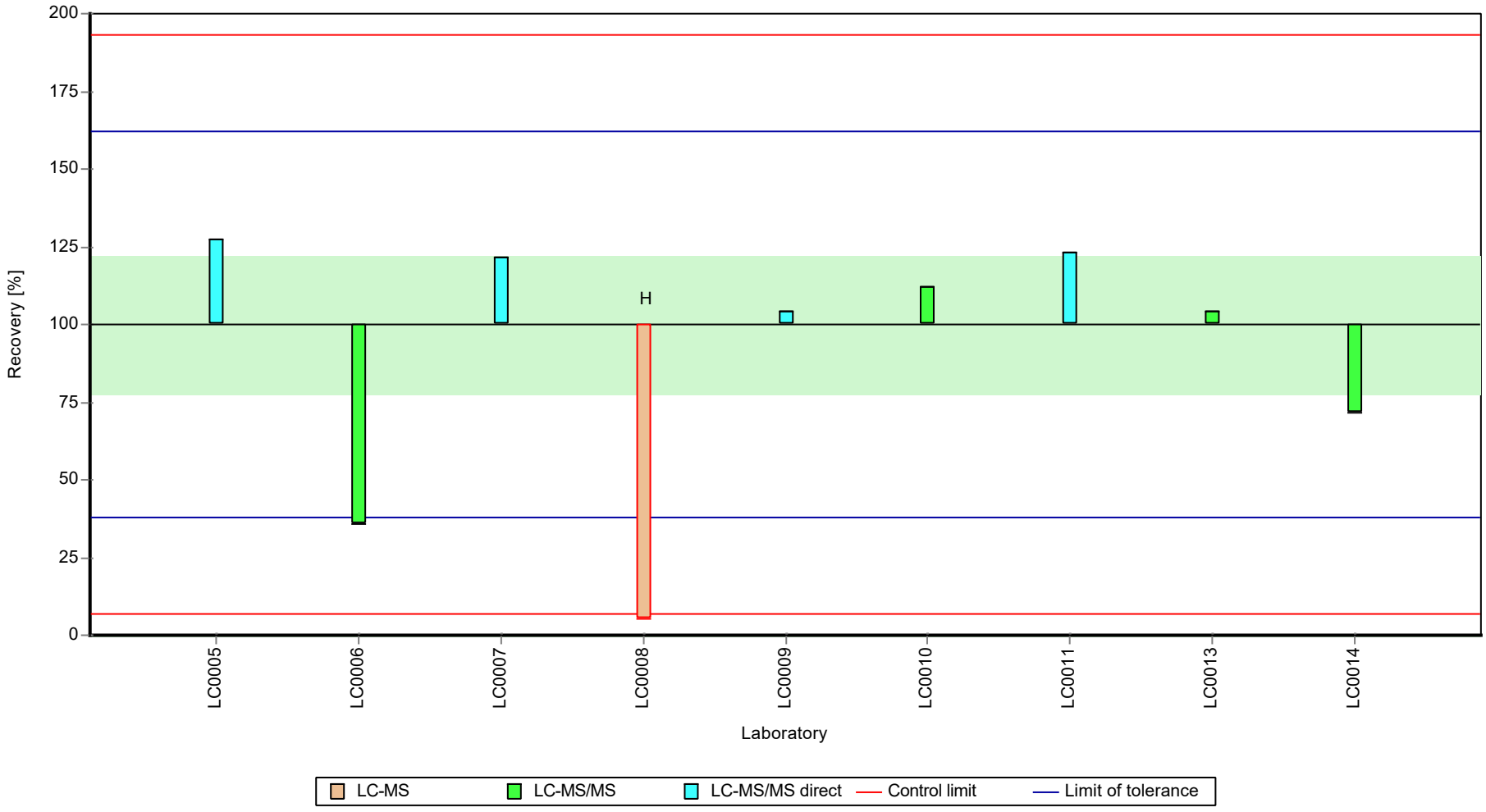
Results



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12

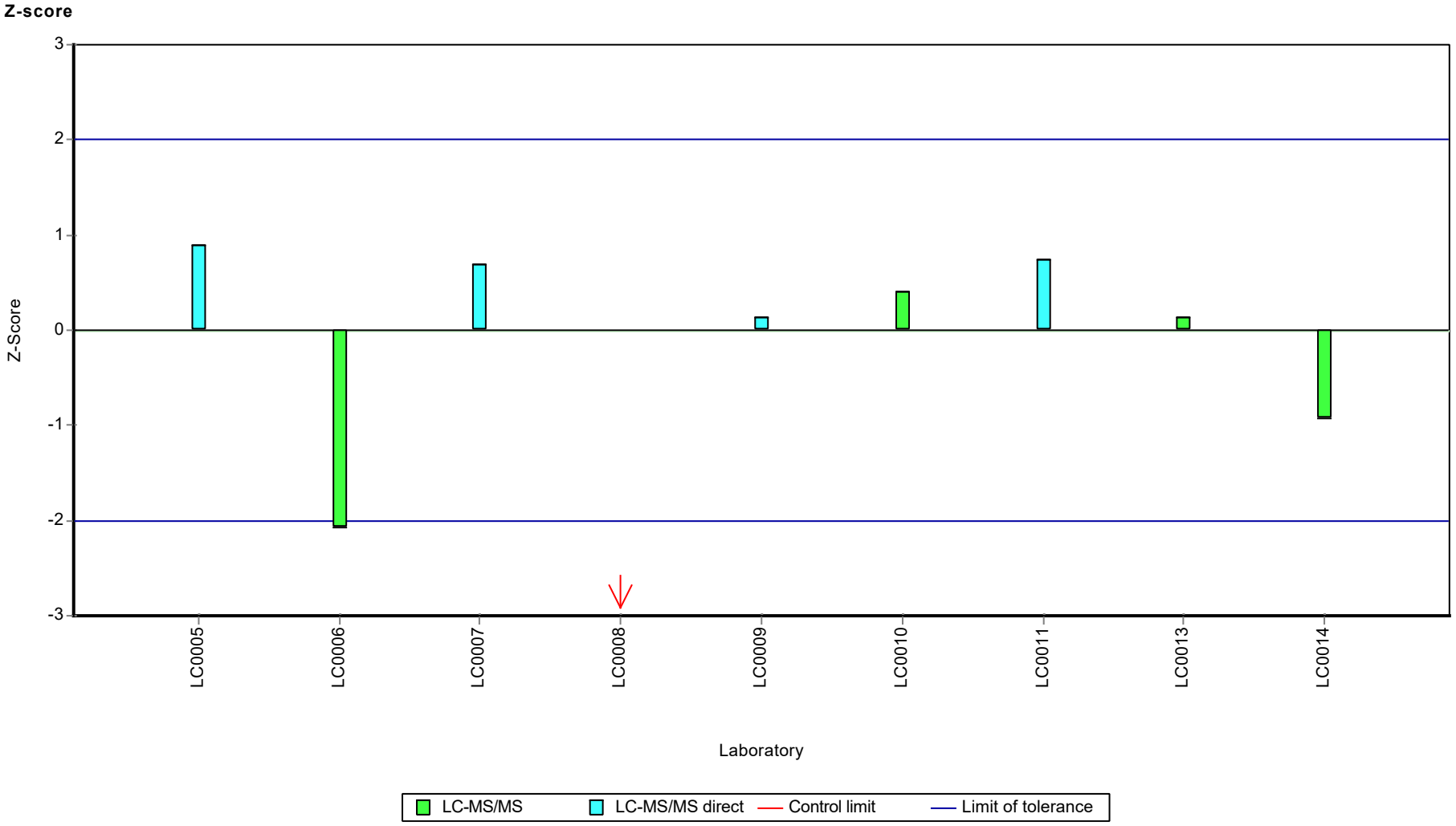
Sample: AZ12B, Parameter: Sucralose

Recovery rate



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12

Sample: AZ12B, Parameter: Sucralose



Parameter oriented report

AZ12 A

Sulfamethoxazole

Unit	µg/l
Assigned value ± U (k=2)	0.136 ± 0.00741
Criterion	0.0163 (12 %)
Minimum - Maximum	0.114 - 0.158
Control test value ± U (k=2)	0.146 ± 0.0512

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.14	0.042	103	0.24	
LC0002	0.129	0.032	94.8	-0.43	
LC0003	0.1148	0.0344	84.4	-1.3	
LC0004	0.13	0.036	95.5	-0.37	
LC0005	0.1321	0.012	97.1	-0.24	
LC0006	-	-	-	-	
LC0007	0.114	0.016	83.8	-1.35	
LC0008	0.135	0.04	99.2	-0.07	
LC0009	0.142	0.026	104	0.36	
LC0010	0.1561	0.0125	115	1.23	
LC0011	0.145	0.0145	107	0.55	
LC0012	0.227	0.02611	167	5.57	H
LC0013	-	-	-	-	
LC0014	0.13	0.026	95.5	-0.37	
LC0015	0.143	0.02	105	0.42	
LC0016	0.158	0.063	116	1.34	

Characteristics of parameter

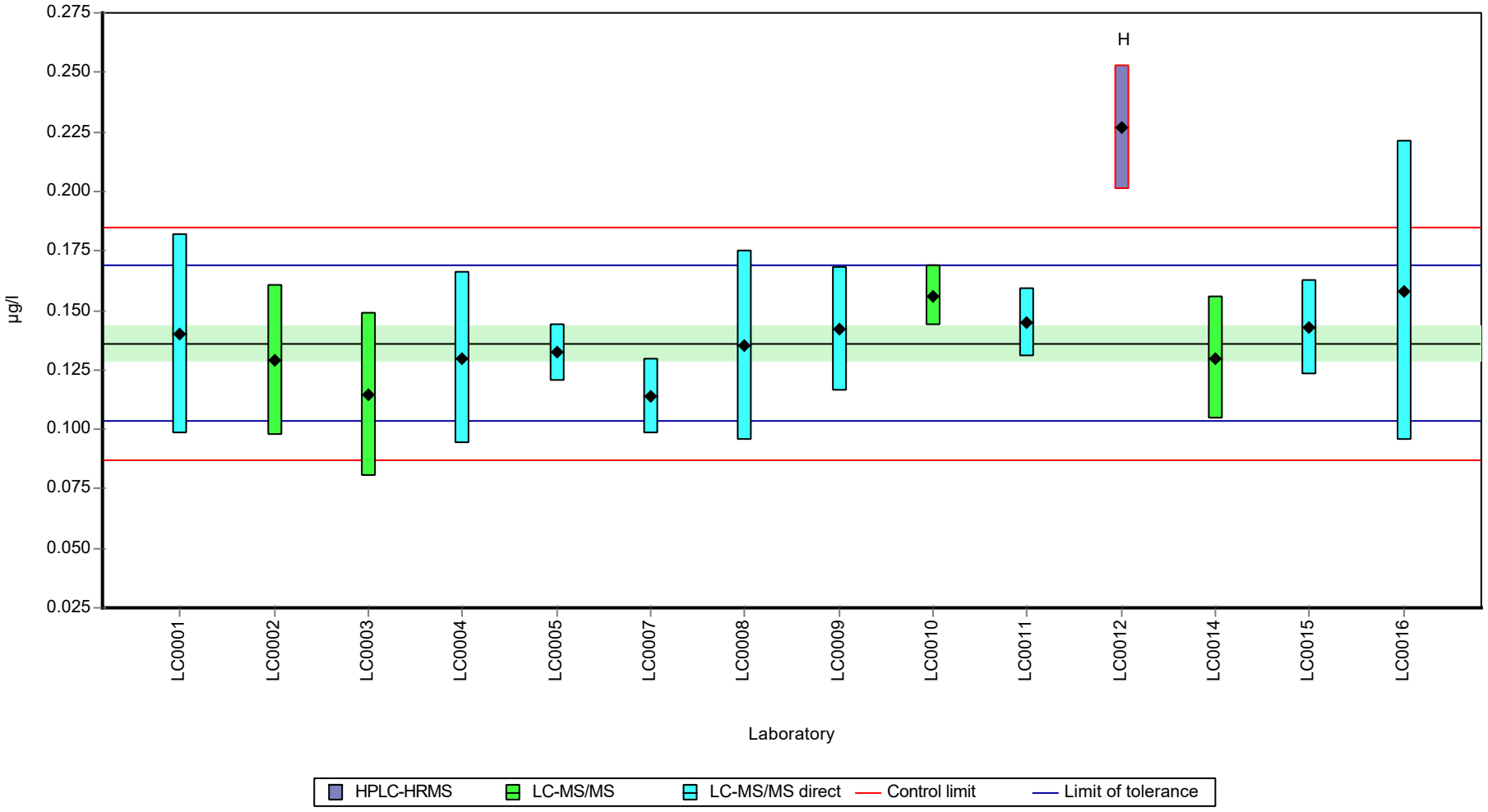
	all results	w ithout outliers	Unit
Mean ± CI (99%)	0.143 ± 0.022	0.136 ± 0.0111	µg/l
Minimum	0.114	0.114	µg/l
Maximum	0.227	0.158	µg/l
Standard deviation	0.0275	0.0134	µg/l
rel. standard deviation	19.3	9.82	%
n	14	13	-

Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12

Sample: AZ12A, Parameter: Sulfamethoxazole

Graphical presentation of results

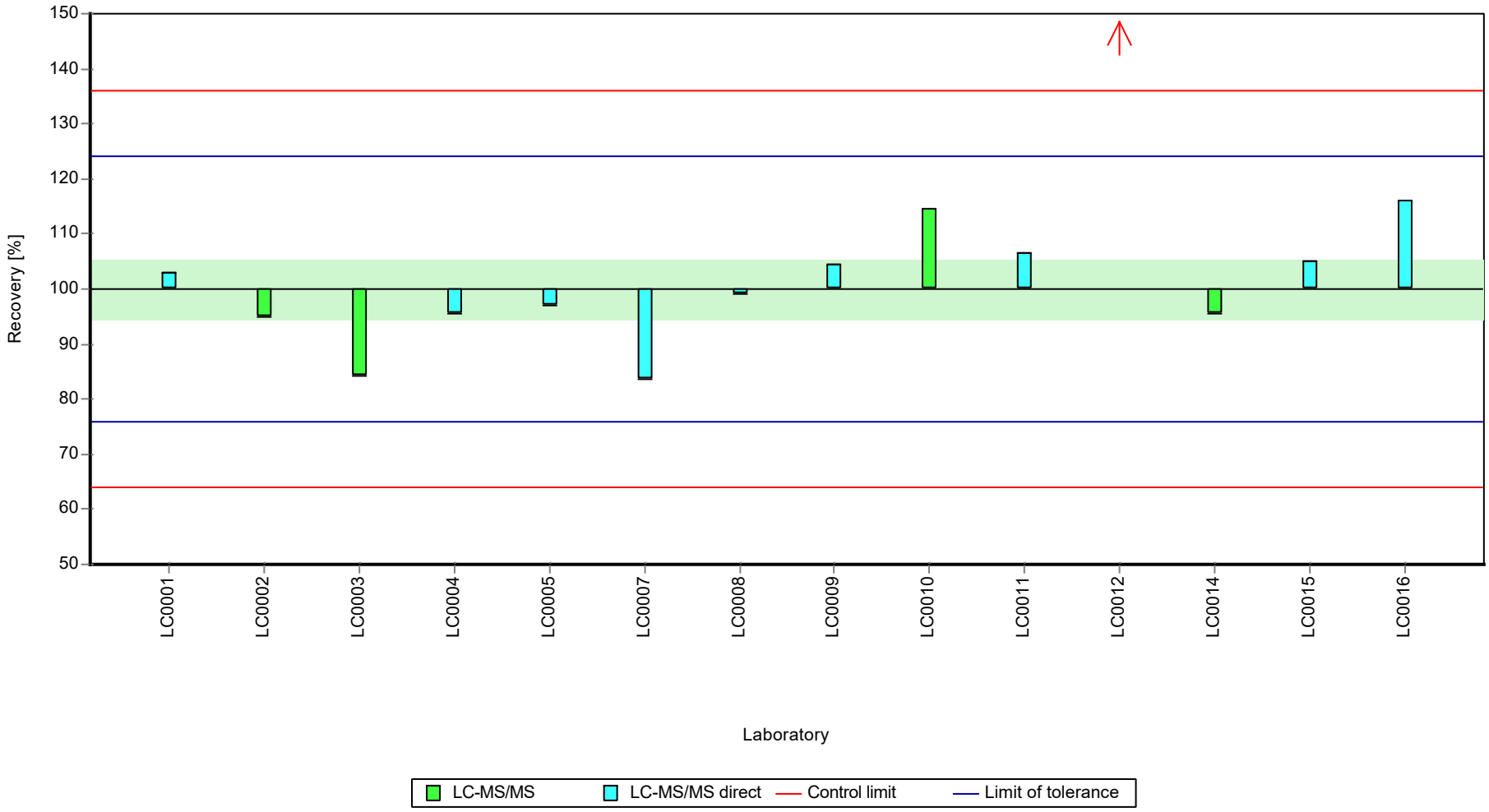
Results



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12

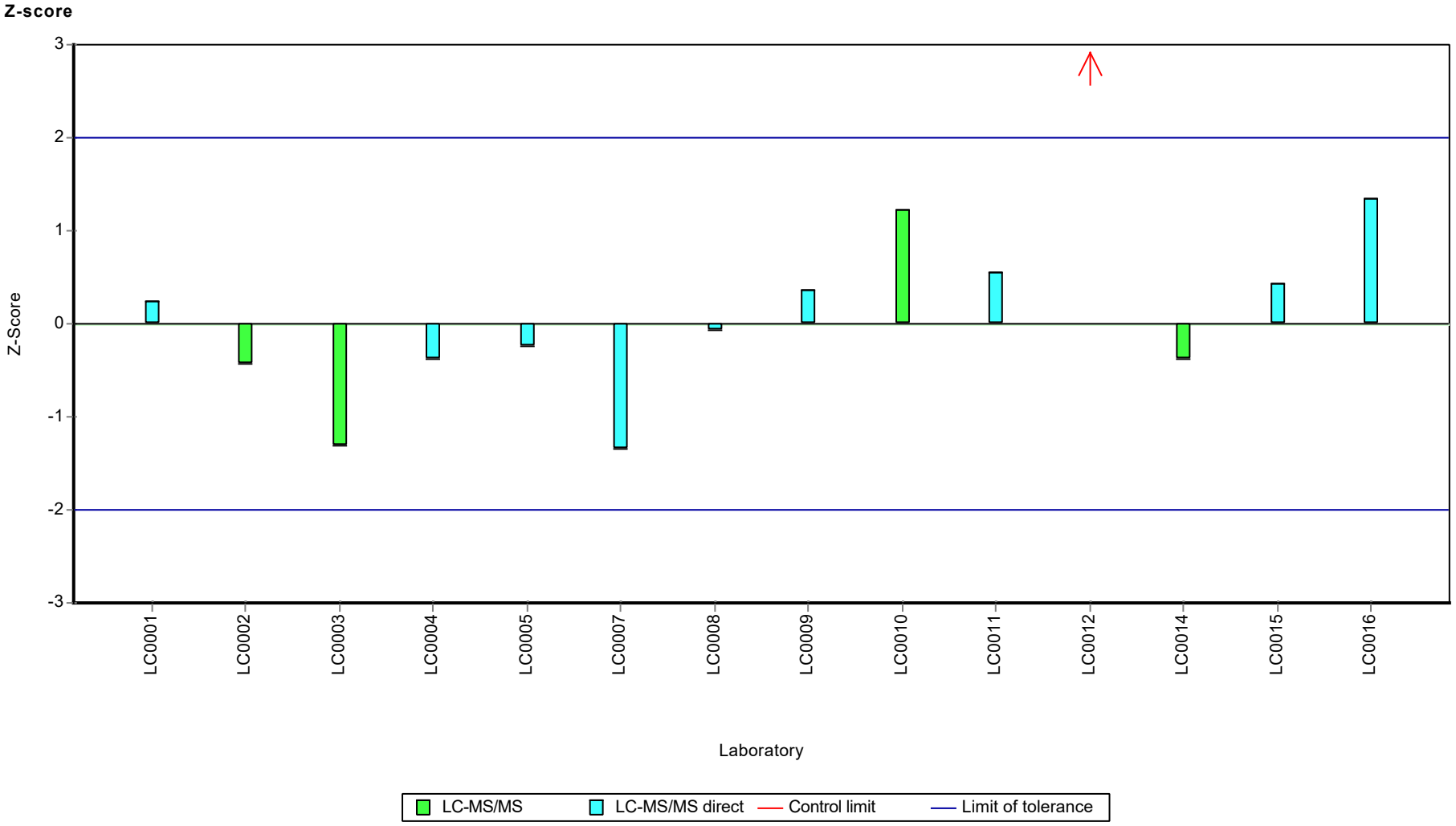
Sample: AZ12A, Parameter: Sulfamethoxazole

Recovery rate



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12

Sample: AZ12A, Parameter: Sulfamethoxazole



Parameter oriented report

AZ12 B

Sulfamethoxazole

Unit	µg/l
Assigned value ± U (k=2)	0.339 ± 0.0397
Criterion	0.0745 (22 %)
Minimum - Maximum	0.208 - 0.448
Control test value ± U (k=2)	0.365 ± 0.128

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.405	0.12	120	0.89	
LC0002	0.208	0.052	61.4	-1.75	
LC0003	0.3194	0.0958	94.3	-0.26	
LC0004	0.41	0.12	121	0.96	
LC0005	0.3234	0.032	95.5	-0.2	
LC0006	-	-	-	-	
LC0007	0.261	0.0365	77.1	-1.04	
LC0008	0.212	0.064	62.6	-1.7	
LC0009	0.346	0.062	102	0.1	
LC0010	0.4172	0.0335	123	1.05	
LC0011	0.448	0.0448	132	1.47	
LC0012	0.305	0.03508	90.1	-0.45	
LC0013	-	-	-	-	
LC0014	0.358	0.072	106	0.26	
LC0015	0.338	0.04	99.8	-0.01	
LC0016	0.39	0.156	115	0.69	

Characteristics of parameter

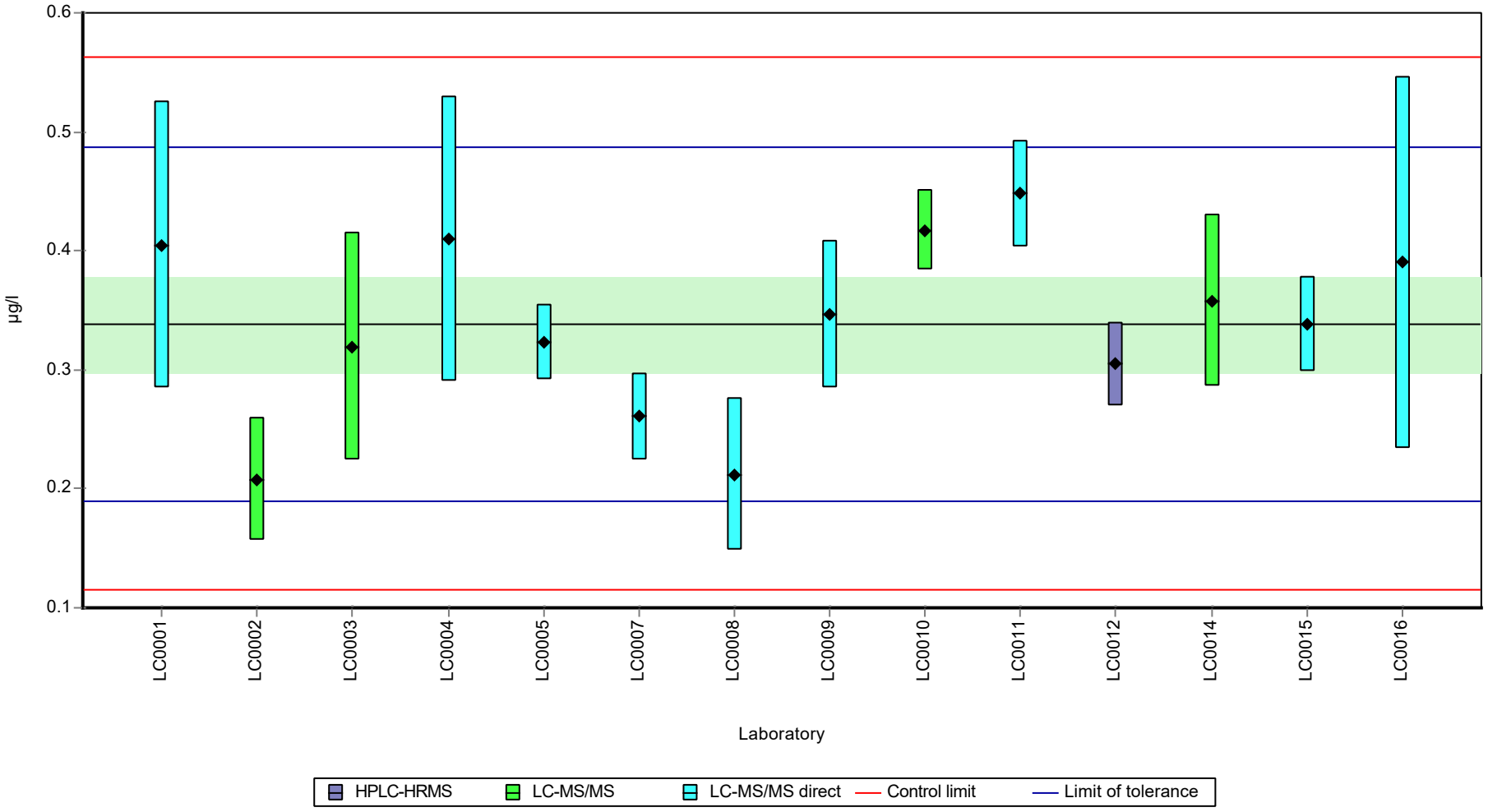
	all results	w ithout outliers	Unit
Mean ± CI (99%)	0.339 ± 0.0595	0.339 ± 0.0595	µg/l
Minimum	0.208	0.208	µg/l
Maximum	0.448	0.448	µg/l
Standard deviation	0.0742	0.0742	µg/l
rel. standard deviation	21.9	21.9	%
n	14	14	-

Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12

Sample: AZ12B, Parameter: Sulfamethoxazole

Graphical presentation of results

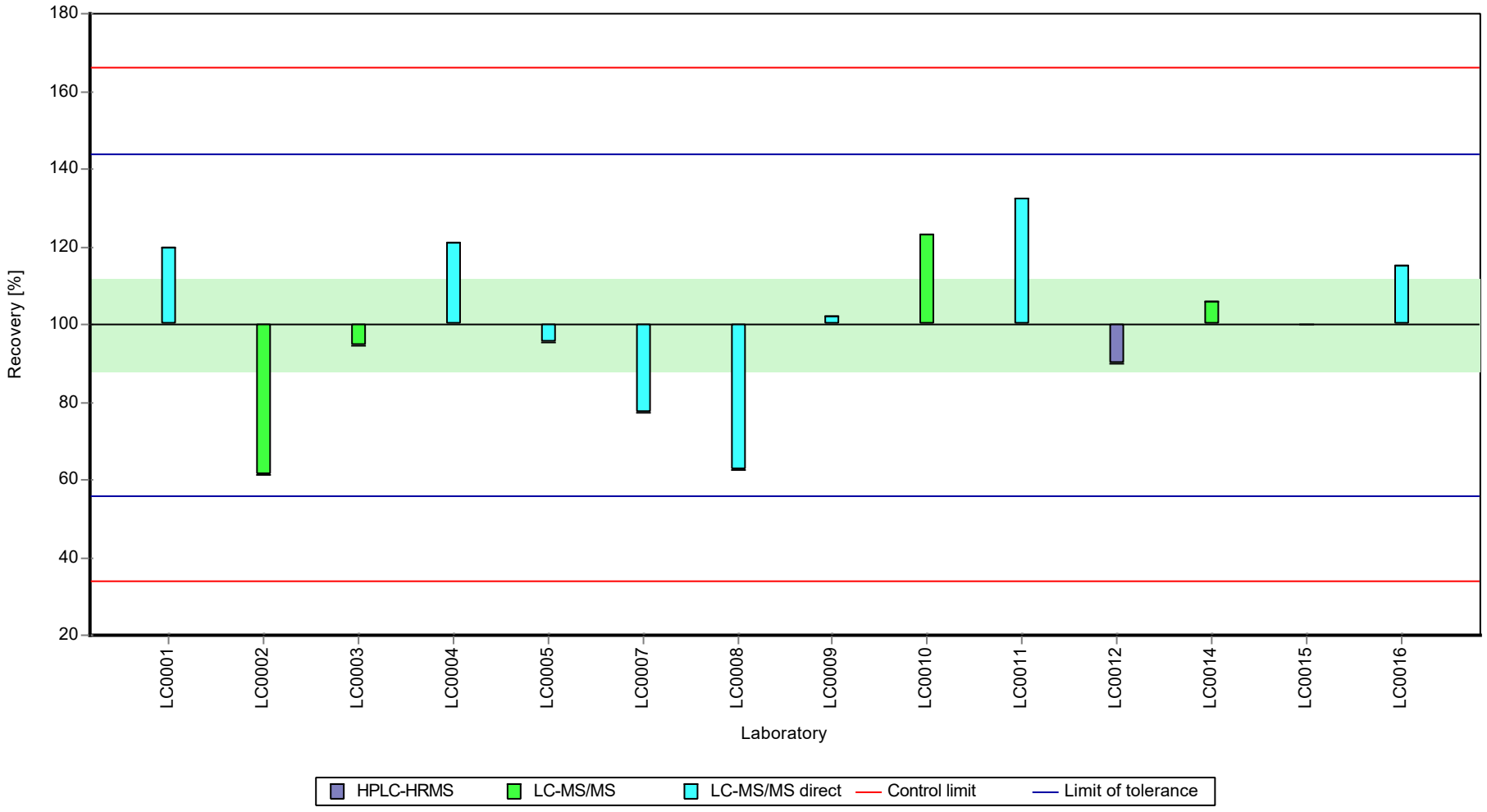
Results



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12

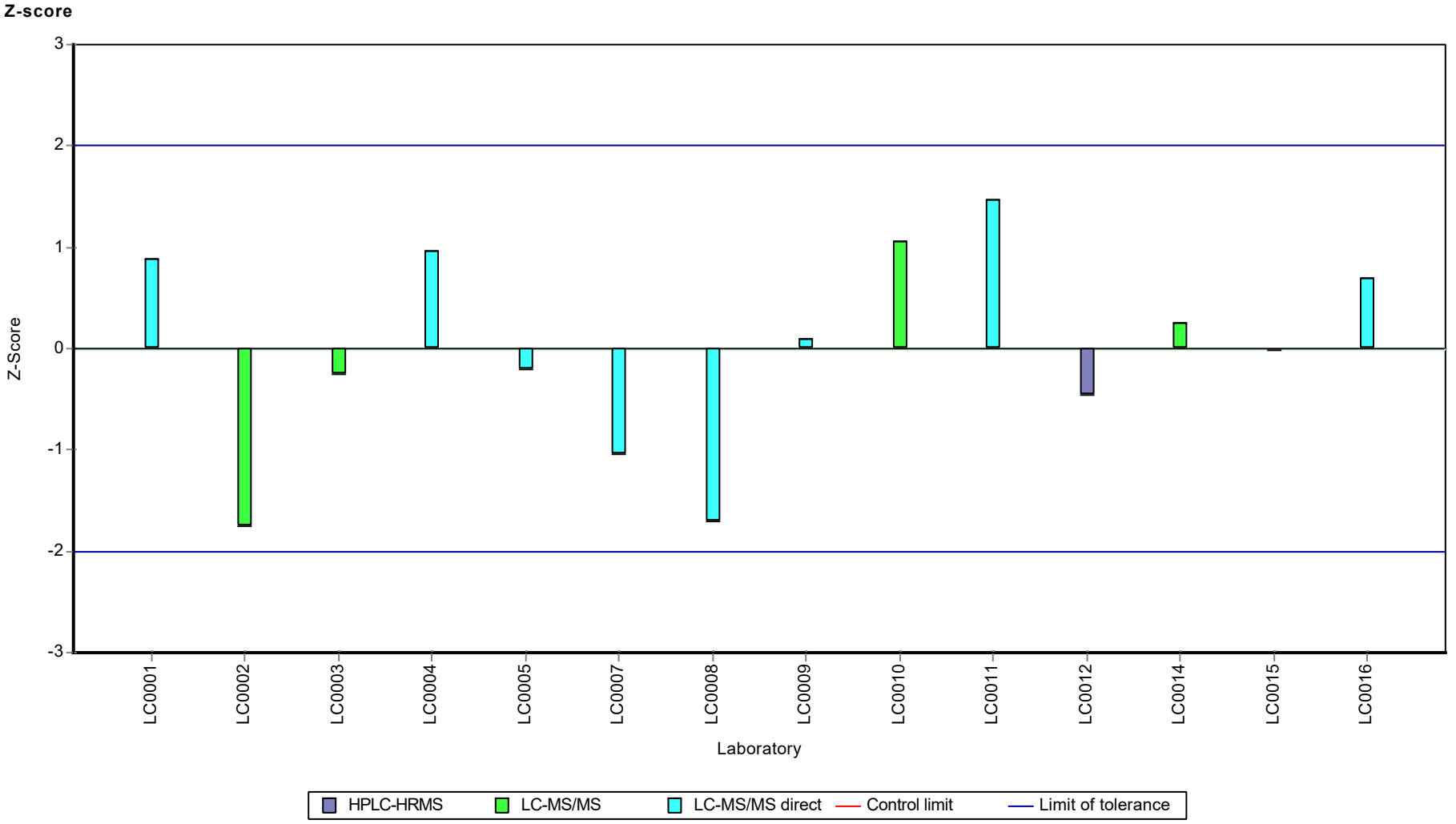
Sample: AZ12B, Parameter: Sulfamethoxazole

Recovery rate



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12

Sample: AZ12B, Parameter: Sulfamethoxazole



E8. Laborорientierte Auswertung / Laboratory oriented report

Die Laborорientierte Auswertung ist nach dem Laborcode sortiert.

The laboratory oriented report is sorted by laboratory code.

Summary of results Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12

Labcode: LC0001

Sample: AZ12A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
4-Formylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	- ± -	- ± -	-	-	-
Acesulfame	µg/l	0.245 ± 0.0196	0.245 ± 0.074	0.0416	100	0.00
Amidotrizoic acid	µg/l	0.192 ± 0.0133	0.19 ± 0.057	0.0384	99.1	-0.05
Atenolol	µg/l	0.134 ± 0.00737	0.14 ± 0.042	0.0268	104	0.22
Benzotriazole	µg/l	0.294 ± 0.013	0.295 ± 0.089	0.0352	100	0.04
Bisoprolol	µg/l	- ± -	- ± -	-	-	-
Carbamazepine	µg/l	0.152 ± 0.0109	0.155 ± 0.047	0.0198	102	0.14
Cyclamate	µg/l	0.174 ± 0.0371	- ± -	0.0522	-	-
Diazepam	µg/l	- ± -	- ± -	-	-	-
Diclofenac	µg/l	0.152 ± 0.0295	0.165 ± 0.05	0.0545	109	0.25
Ibuprofen	µg/l	0.285 ± 0.0191	0.32 ± 0.096	0.0342	112	1.03
Iopamidol	µg/l	0.516 ± 0.0392	- ± -	0.119	-	-
Metoprolol	µg/l	0.159 ± 0.00712	0.155 ± 0.047	0.0319	97.2	-0.14
Saccharin	µg/l	0.324 ± 0.0254	- ± -	0.0485	-	-
Sotalol	µg/l	0.194 ± 0.0195	0.21 ± 0.063	0.0427	108	0.38
Sucralose	µg/l	1.11 ± 0.132	- ± -	0.277	-	-
Sulfamethoxazole	µg/l	0.136 ± 0.00741	0.14 ± 0.042	0.0163	103	0.24

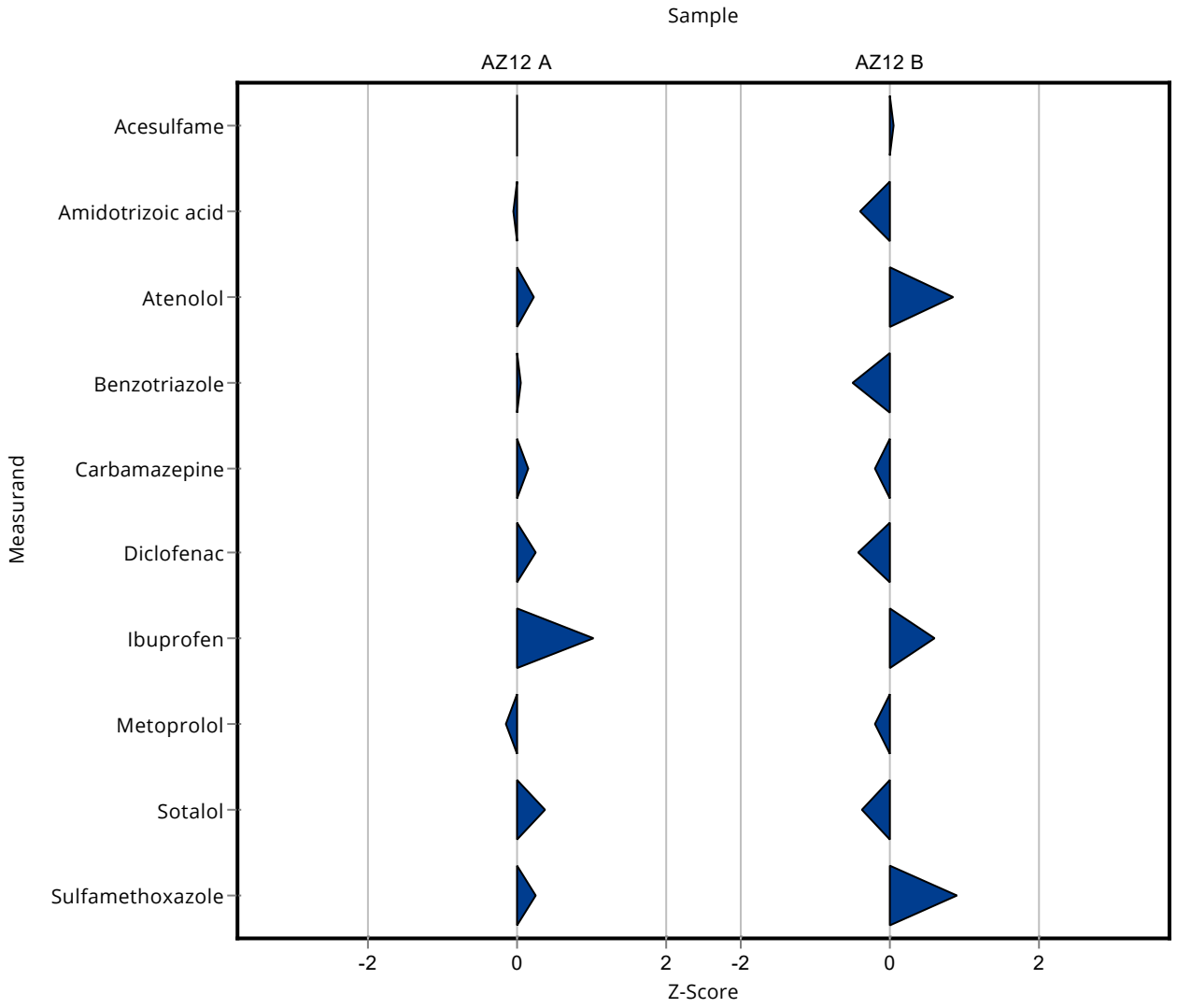
Sample: AZ12B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
4-Formylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	- ± -	- ± -	-	-	-
Acesulfame	µg/l	1.09 ± 0.0597	1.1 ± 0.33	0.185	101	0.05
Amidotrizoic acid	µg/l	1.19 ± 0.0758	1.09 ± 0.33	0.237	91.8	-0.41
Atenolol	µg/l	0.222 ± 0.0313	0.26 ± 0.078	0.0445	117	0.84
Benzotriazole	µg/l	7.12 ± 0.405	6.7 ± 2	0.855	94.1	-0.49

Summary of results Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12

Labcode: LC0001

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Bisoprolol	µg/l	- ± -	- ± -	-	-	-
Carbamazepine	µg/l	0.405 ± 0.0203	0.395 ± 0.12	0.0527	97.5	-0.19
Cyclamate	µg/l	0.16 ± 0.0189	- ± -	0.032	-	-
Diazepam	µg/l	- ± -	- ± -	-	-	-
Diclofenac	µg/l	3.24 ± 0.195	3.05 ± 0.92	0.454	94	-0.43
Ibuprofen	µg/l	1.31 ± 0.127	1.4 ± 0.42	0.157	107	0.60
Iopamidol	µg/l	43.5 ± 2.59	- ± -	10	-	-
Metoprolol	µg/l	0.188 ± 0.0066	0.18 ± 0.054	0.0375	96	-0.20
Saccharin	µg/l	- ± -	- ± -	-	-	-
Sotalol	µg/l	0.169 ± 0.0253	0.155 ± 0.047	0.0372	91.6	-0.38
Sucralose	µg/l	26.2 ± 5.79	- ± -	8.11	-	-
Sulfamethoxazole	µg/l	0.339 ± 0.0397	0.405 ± 0.12	0.0745	120	0.89


Sample
AZ12 A
AZ12 B
Acesulfame
Amidotrizoic acid
Atenolol
Benzotriazole
Carbamazepine
Diclofenac
Ibuprofen
Metoprolol
Sotalol
Sulfamethoxazole
Measurand
-2
0
2
-2
0
2
Z-Score

Summary of results Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12 - En-Score

Labcode: LC0001

Sample: AZ12A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
4-Formylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	- ± -	- ± -	-	-	-
Acesulfame	µg/l	0.245 ± 0.0196	0.245 ± 0.074	0.0416	100	0.00
Amidotrizoic acid	µg/l	0.192 ± 0.0133	0.19 ± 0.057	0.0384	99.1	-0.02
Atenolol	µg/l	0.134 ± 0.00737	0.14 ± 0.042	0.0268	104	0.07
Benzotriazole	µg/l	0.294 ± 0.013	0.295 ± 0.089	0.0352	100	0.01
Bisoprolol	µg/l	- ± -	- ± -	-	-	-
Carbamazepine	µg/l	0.152 ± 0.0109	0.155 ± 0.047	0.0198	102	0.03
Cyclamate	µg/l	0.174 ± 0.0371	- ± -	0.0522	-	-
Diazepam	µg/l	- ± -	- ± -	-	-	-
Diclofenac	µg/l	0.152 ± 0.0295	0.165 ± 0.05	0.0545	109	0.13
Ibuprofen	µg/l	0.285 ± 0.0191	0.32 ± 0.096	0.0342	112	0.18
Iopamidol	µg/l	0.516 ± 0.0392	- ± -	0.119	-	-
Metoprolol	µg/l	0.159 ± 0.00712	0.155 ± 0.047	0.0319	97.2	-0.05
Saccharin	µg/l	0.324 ± 0.0254	- ± -	0.0485	-	-
Sotalol	µg/l	0.194 ± 0.0195	0.21 ± 0.063	0.0427	108	0.13
Sucralose	µg/l	1.11 ± 0.132	- ± -	0.277	-	-
Sulfamethoxazole	µg/l	0.136 ± 0.00741	0.14 ± 0.042	0.0163	103	0.05

Sample: AZ12B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-

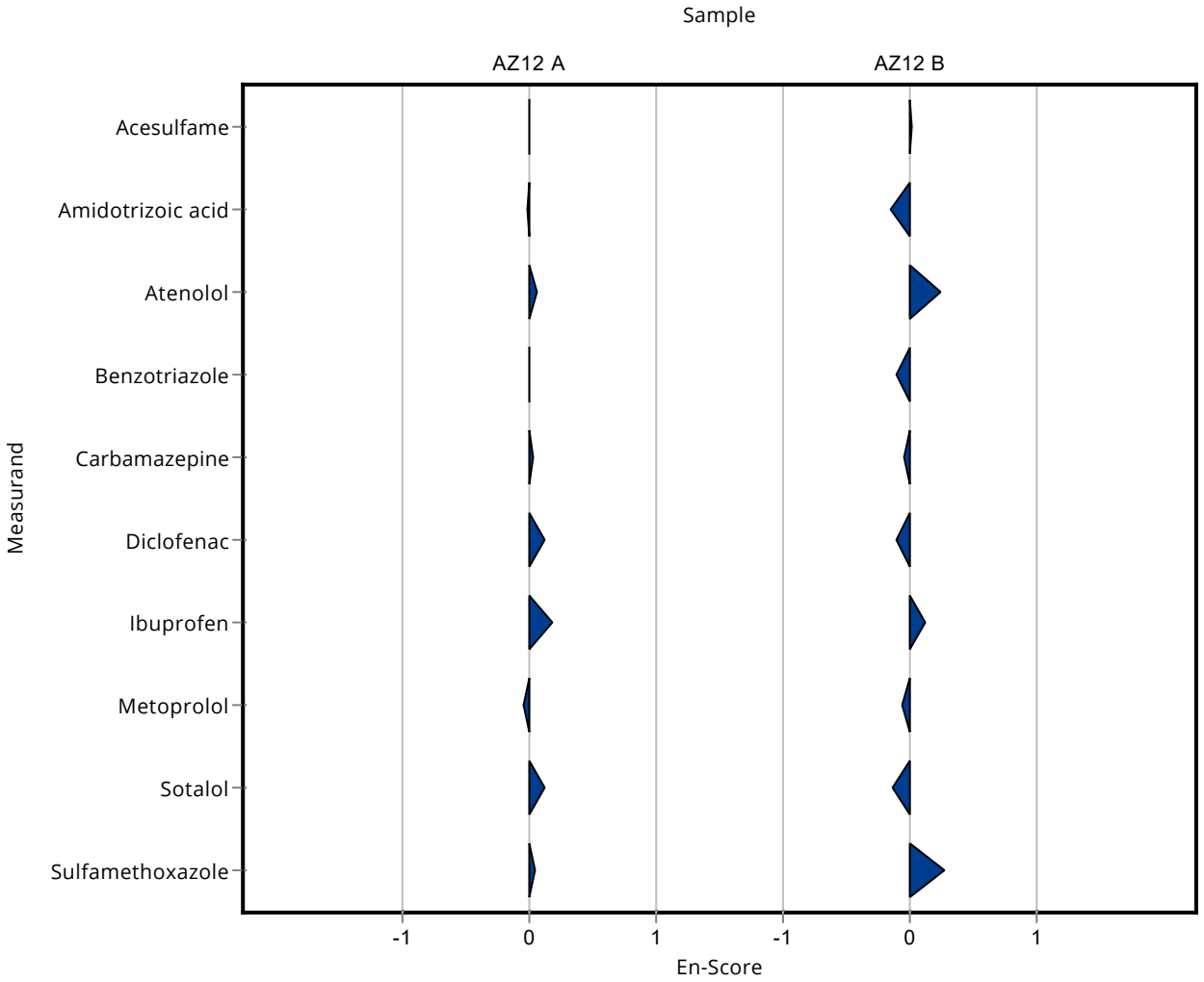
Summary of results Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12 - En-Score

Labcode: LC0001

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Formylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	- ± -	- ± -	-	-	-
Acesulfame	µg/l	1.09 ± 0.0597	1.1 ± 0.33	0.185	101	0.01
Amidotrizoic acid	µg/l	1.19 ± 0.0758	1.09 ± 0.33	0.237	91.8	-0.15
Atenolol	µg/l	0.222 ± 0.0313	0.26 ± 0.078	0.0445	117	0.24
Benzotriazole	µg/l	7.12 ± 0.405	6.7 ± 2	0.855	94.1	-0.10
Bisoprolol	µg/l	- ± -	- ± -	-	-	-
Carbamazepine	µg/l	0.405 ± 0.0203	0.395 ± 0.12	0.0527	97.5	-0.04
Cyclamate	µg/l	0.16 ± 0.0189	- ± -	0.032	-	-
Diazepam	µg/l	- ± -	- ± -	-	-	-
Diclofenac	µg/l	3.24 ± 0.195	3.05 ± 0.92	0.454	94	-0.11
Ibuprofen	µg/l	1.31 ± 0.127	1.4 ± 0.42	0.157	107	0.11
Iopamidol	µg/l	43.5 ± 2.59	- ± -	10	-	-
Metoprolol	µg/l	0.188 ± 0.0066	0.18 ± 0.054	0.0375	96	-0.07
Saccharin	µg/l	- ± -	- ± -	-	-	-
Sotalol	µg/l	0.169 ± 0.0253	0.155 ± 0.047	0.0372	91.6	-0.15
Sucralose	µg/l	26.2 ± 5.79	- ± -	8.11	-	-
Sulfamethoxazole	µg/l	0.339 ± 0.0397	0.405 ± 0.12	0.0745	120	0.27

Summary of results Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12 - En-Score

Labcode: LC0001



Summary of results Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12

Labcode: LC0002

Sample: AZ12A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	µg/l	- ± -	0.206 ± 0.052	-	-	-
4-Formylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	- ± -	- ± -	-	-	-
Acesulfame	µg/l	0.245 ± 0.0196	0.243 ± 0.061	0.0416	99.2	-0.04
Amidotrizoic acid	µg/l	0.192 ± 0.0133	- ± -	0.0384	-	-
Atenolol	µg/l	0.134 ± 0.00737	0.143 ± 0.036	0.0268	107	0.33
Benzotriazole	µg/l	0.294 ± 0.013	0.307 ± 0.077	0.0352	105	0.38
Bisoprolol	µg/l	- ± -	- ± -	-	-	-
Carbamazepine	µg/l	0.152 ± 0.0109	0.162 ± 0.04	0.0198	106	0.49
Cyclamate	µg/l	0.174 ± 0.0371	- ± -	0.0522	-	-
Diazepam	µg/l	- ± -	- ± -	-	-	-
Diclofenac	µg/l	0.152 ± 0.0295	0.185 ± 0.046	0.0545	122	0.61
Ibuprofen	µg/l	0.285 ± 0.0191	0.296 ± 0.074	0.0342	104	0.33
Iopamidol	µg/l	0.516 ± 0.0392	- ± -	0.119	-	-
Metoprolol	µg/l	0.159 ± 0.00712	0.162 ± 0.041	0.0319	102	0.08
Saccharin	µg/l	0.324 ± 0.0254	- ± -	0.0485	-	-
Sotalol	µg/l	0.194 ± 0.0195	0.262 ± 0.066	0.0427	135	1.59
Sucralose	µg/l	1.11 ± 0.132	- ± -	0.277	-	-
Sulfamethoxazole	µg/l	0.136 ± 0.00741	0.129 ± 0.032	0.0163	94.8	-0.43

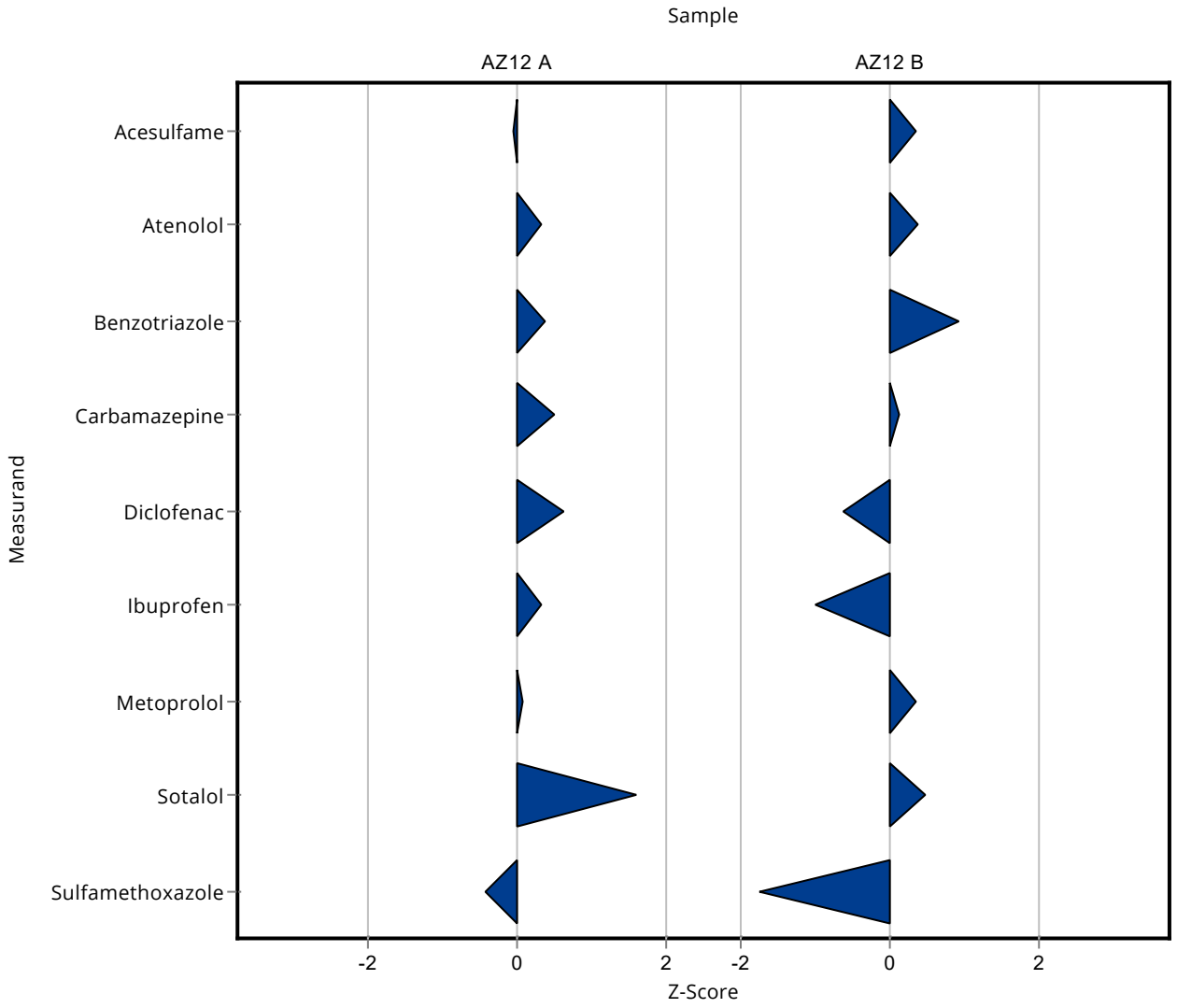
Sample: AZ12B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	µg/l	- ± -	1.647 ± 0.412	-	-	-
4-Formylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	- ± -	- ± -	-	-	-
Acesulfame	µg/l	1.09 ± 0.0597	1.154 ± 0.289	0.185	106	0.34
Amidotrizoic acid	µg/l	1.19 ± 0.0758	- ± -	0.237	-	-
Atenolol	µg/l	0.222 ± 0.0313	0.239 ± 0.06	0.0445	107	0.37
Benzotriazole	µg/l	7.12 ± 0.405	7.909 ± 1.977	0.855	111	0.92

Summary of results Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12

Labcode: LC0002

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Bisoprolol	µg/l	- ± -	- ± -	-	-	-
Carbamazepine	µg/l	0.405 ± 0.0203	0.412 ± 0.103	0.0527	102	0.13
Cyclamate	µg/l	0.16 ± 0.0189	- ± -	0.032	-	-
Diazepam	µg/l	- ± -	- ± -	-	-	-
Diclofenac	µg/l	3.24 ± 0.195	2.958 ± 0.739	0.454	91.2	-0.63
Ibuprofen	µg/l	1.31 ± 0.127	1.149 ± 0.287	0.157	88	-1.00
Iopamidol	µg/l	43.5 ± 2.59	- ± -	10	-	-
Metoprolol	µg/l	0.188 ± 0.0066	0.201 ± 0.05	0.0375	107	0.36
Saccharin	µg/l	- ± -	- ± -	-	-	-
Sotalol	µg/l	0.169 ± 0.0253	0.187 ± 0.047	0.0372	110	0.48
Sucralose	µg/l	26.2 ± 5.79	- ± -	8.11	-	-
Sulfamethoxazole	µg/l	0.339 ± 0.0397	0.208 ± 0.052	0.0745	61.4	-1.75


Sample
AZ12 A
AZ12 B
Acesulfame
Atenolol
Benzotriazole
Carbamazepine
Diclofenac
Ibuprofen
Metoprolol
Sotalol
Sulfamethoxazole
Measurand
-2
0
2
-2
0
2
Z-Score

Summary of results Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12 - En-Score

Labcode: LC0002

Sample: AZ12A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	µg/l	- ± -	0.206 ± 0.052	-	-	-
4-Formylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	- ± -	- ± -	-	-	-
Acesulfame	µg/l	0.245 ± 0.0196	0.243 ± 0.061	0.0416	99.2	-0.01
Amidotrizoic acid	µg/l	0.192 ± 0.0133	- ± -	0.0384	-	-
Atenolol	µg/l	0.134 ± 0.00737	0.143 ± 0.036	0.0268	107	0.12
Benzotriazole	µg/l	0.294 ± 0.013	0.307 ± 0.077	0.0352	105	0.09
Bisoprolol	µg/l	- ± -	- ± -	-	-	-
Carbamazepine	µg/l	0.152 ± 0.0109	0.162 ± 0.04	0.0198	106	0.12
Cyclamate	µg/l	0.174 ± 0.0371	- ± -	0.0522	-	-
Diazepam	µg/l	- ± -	- ± -	-	-	-
Diclofenac	µg/l	0.152 ± 0.0295	0.185 ± 0.046	0.0545	122	0.35
Ibuprofen	µg/l	0.285 ± 0.0191	0.296 ± 0.074	0.0342	104	0.08
Iopamidol	µg/l	0.516 ± 0.0392	- ± -	0.119	-	-
Metoprolol	µg/l	0.159 ± 0.00712	0.162 ± 0.041	0.0319	102	0.03
Saccharin	µg/l	0.324 ± 0.0254	- ± -	0.0485	-	-
Sotalol	µg/l	0.194 ± 0.0195	0.262 ± 0.066	0.0427	135	0.51
Sucralose	µg/l	1.11 ± 0.132	- ± -	0.277	-	-
Sulfamethoxazole	µg/l	0.136 ± 0.00741	0.129 ± 0.032	0.0163	94.8	-0.11

Sample: AZ12B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	µg/l	- ± -	1.647 ± 0.412	-	-	-

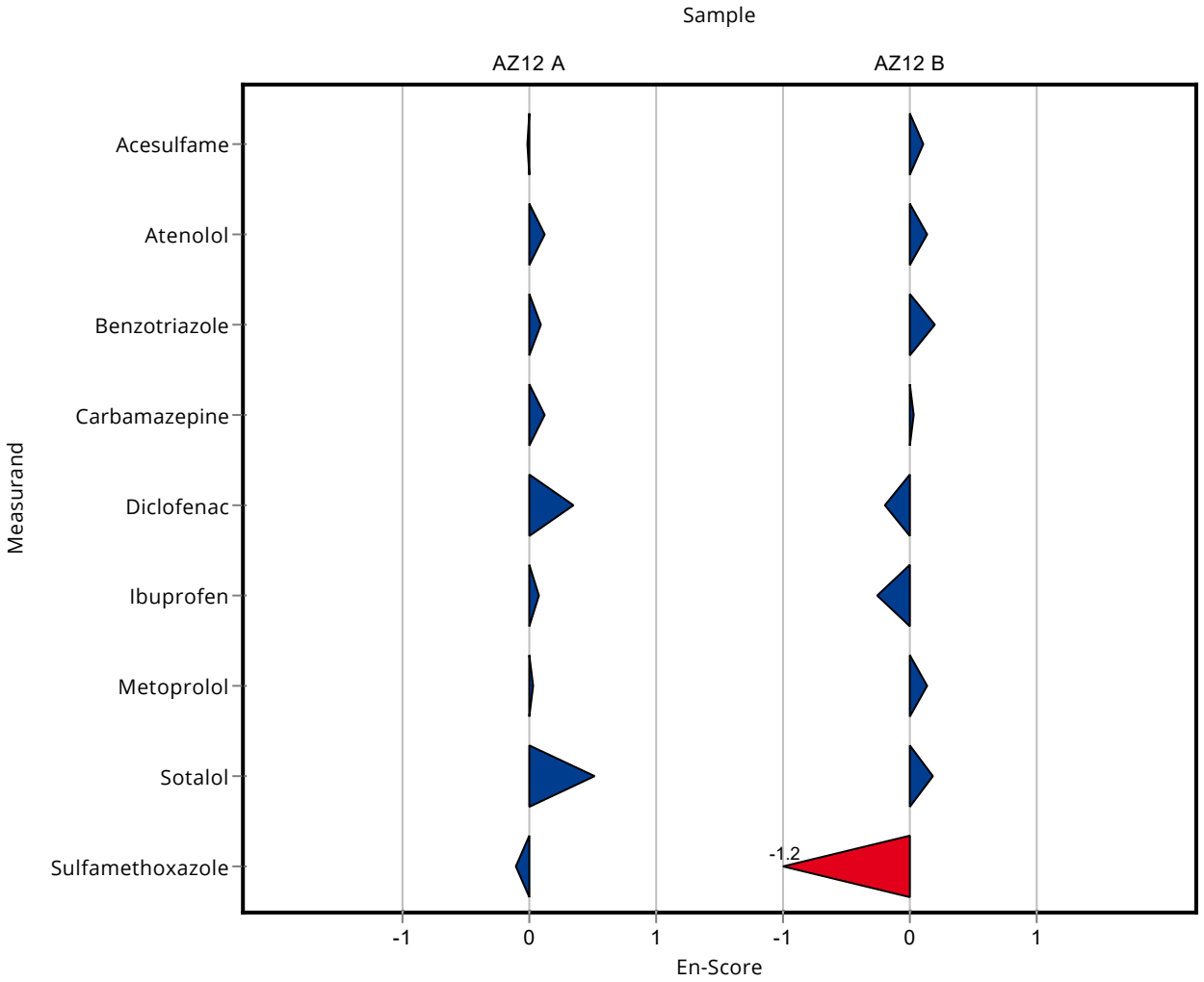
Summary of results Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12 - En-Score

Labcode: LC0002

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Formylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	- ± -	- ± -	-	-	-
Acesulfame	µg/l	1.09 ± 0.0597	1.154 ± 0.289	0.185	106	0.11
Amidotrizoic acid	µg/l	1.19 ± 0.0758	- ± -	0.237	-	-
Atenolol	µg/l	0.222 ± 0.0313	0.239 ± 0.06	0.0445	107	0.13
Benzotriazole	µg/l	7.12 ± 0.405	7.909 ± 1.977	0.855	111	0.20
Bisoprolol	µg/l	- ± -	- ± -	-	-	-
Carbamazepine	µg/l	0.405 ± 0.0203	0.412 ± 0.103	0.0527	102	0.03
Cyclamate	µg/l	0.16 ± 0.0189	- ± -	0.032	-	-
Diazepam	µg/l	- ± -	- ± -	-	-	-
Diclofenac	µg/l	3.24 ± 0.195	2.958 ± 0.739	0.454	91.2	-0.19
Ibuprofen	µg/l	1.31 ± 0.127	1.149 ± 0.287	0.157	88	-0.27
Iopamidol	µg/l	43.5 ± 2.59	- ± -	10	-	-
Metoprolol	µg/l	0.188 ± 0.0066	0.201 ± 0.05	0.0375	107	0.13
Saccharin	µg/l	- ± -	- ± -	-	-	-
Sotalol	µg/l	0.169 ± 0.0253	0.187 ± 0.047	0.0372	110	0.18
Sucralose	µg/l	26.2 ± 5.79	- ± -	8.11	-	-
Sulfamethoxazole	µg/l	0.339 ± 0.0397	0.208 ± 0.052	0.0745	61.4	-1.17

Summary of results Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12 - En-Score

Labcode: LC0002



Summary of results Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12

Labcode: LC0003

Sample: AZ12A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
4-Formylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	- ± -	- ± -	-	-	-
Acesulfame	µg/l	0.245 ± 0.0196	- ± -	0.0416	-	-
Amidotrizoic acid	µg/l	0.192 ± 0.0133	- ± -	0.0384	-	-
Atenolol	µg/l	0.134 ± 0.00737	- ± -	0.0268	-	-
Benzotriazole	µg/l	0.294 ± 0.013	0.2503 ± 0.0751	0.0352	85.3	-1.23
Bisoprolol	µg/l	- ± -	- ± -	-	-	-
Carbamazepine	µg/l	0.152 ± 0.0109	0.1425 ± 0.0427	0.0198	93.6	-0.49
Cyclamate	µg/l	0.174 ± 0.0371	- ± -	0.0522	-	-
Diazepam	µg/l	- ± -	- ± -	-	-	-
Diclofenac	µg/l	0.152 ± 0.0295	0.1446 ± 0.0433	0.0545	95.4	-0.13
Ibuprofen	µg/l	0.285 ± 0.0191	- ± -	0.0342	-	-
Iopamidol	µg/l	0.516 ± 0.0392	- ± -	0.119	-	-
Metoprolol	µg/l	0.159 ± 0.00712	- ± -	0.0319	-	-
Saccharin	µg/l	0.324 ± 0.0254	- ± -	0.0485	-	-
Sotalol	µg/l	0.194 ± 0.0195	- ± -	0.0427	-	-
Sucralose	µg/l	1.11 ± 0.132	- ± -	0.277	-	-
Sulfamethoxazole	µg/l	0.136 ± 0.00741	0.1148 ± 0.0344	0.0163	84.4	-1.30

Sample: AZ12B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
4-Formylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	- ± -	- ± -	-	-	-
Acesulfame	µg/l	1.09 ± 0.0597	- ± -	0.185	-	-
Amidotrizoic acid	µg/l	1.19 ± 0.0758	- ± -	0.237	-	-
Atenolol	µg/l	0.222 ± 0.0313	- ± -	0.0445	-	-
Benzotriazole	µg/l	7.12 ± 0.405	3.065 ± 0.9195	0.855	43	-4.75

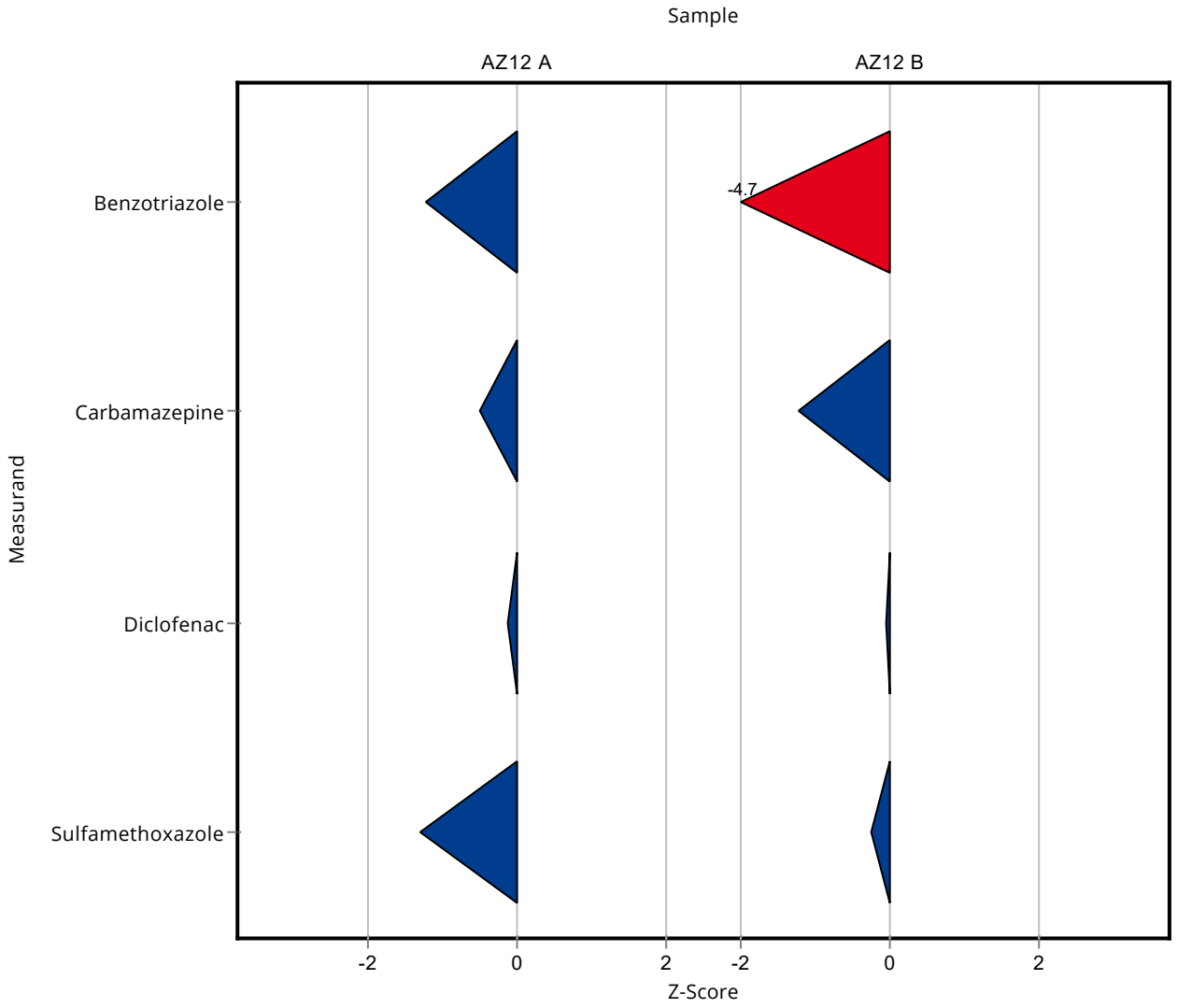
Summary of results Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12

Labcode: LC0003

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Bisoprolol	µg/l	- ± -	- ± -	-	-	-
Carbamazepine	µg/l	0.405 ± 0.0203	0.3407 ± 0.1022	0.0527	84.1	-1.22
Cyclamate	µg/l	0.16 ± 0.0189	- ± -	0.032	-	-
Diazepam	µg/l	- ± -	- ± -	-	-	-
Diclofenac	µg/l	3.24 ± 0.195	3.222 ± 0.966	0.454	99.3	-0.05
Ibuprofen	µg/l	1.31 ± 0.127	- ± -	0.157	-	-
Iopamidol	µg/l	43.5 ± 2.59	- ± -	10	-	-
Metoprolol	µg/l	0.188 ± 0.0066	- ± -	0.0375	-	-
Saccharin	µg/l	- ± -	- ± -	-	-	-
Sotalol	µg/l	0.169 ± 0.0253	- ± -	0.0372	-	-
Sucralose	µg/l	26.2 ± 5.79	- ± -	8.11	-	-
Sulfamethoxazole	µg/l	0.339 ± 0.0397	0.3194 ± 0.0958	0.0745	94.3	-0.26

Summary of results Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12

Labcode: LC0003



Summary of results Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12 - En-Score

Labcode: LC0003

Sample: AZ12A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
4-Formylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	- ± -	- ± -	-	-	-
Acesulfame	µg/l	0.245 ± 0.0196	- ± -	0.0416	-	-
Amidotrizoic acid	µg/l	0.192 ± 0.0133	- ± -	0.0384	-	-
Atenolol	µg/l	0.134 ± 0.00737	- ± -	0.0268	-	-
Benzotriazole	µg/l	0.294 ± 0.013	0.2503 ± 0.0751	0.0352	85.3	-0.29
Bisoprolol	µg/l	- ± -	- ± -	-	-	-
Carbamazepine	µg/l	0.152 ± 0.0109	0.1425 ± 0.0427	0.0198	93.6	-0.11
Cyclamate	µg/l	0.174 ± 0.0371	- ± -	0.0522	-	-
Diazepam	µg/l	- ± -	- ± -	-	-	-
Diclofenac	µg/l	0.152 ± 0.0295	0.1446 ± 0.0433	0.0545	95.4	-0.08
Ibuprofen	µg/l	0.285 ± 0.0191	- ± -	0.0342	-	-
Iopamidol	µg/l	0.516 ± 0.0392	- ± -	0.119	-	-
Metoprolol	µg/l	0.159 ± 0.00712	- ± -	0.0319	-	-
Saccharin	µg/l	0.324 ± 0.0254	- ± -	0.0485	-	-
Sotalol	µg/l	0.194 ± 0.0195	- ± -	0.0427	-	-
Sucralose	µg/l	1.11 ± 0.132	- ± -	0.277	-	-
Sulfamethoxazole	µg/l	0.136 ± 0.00741	0.1148 ± 0.0344	0.0163	84.4	-0.31

Sample: AZ12B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-

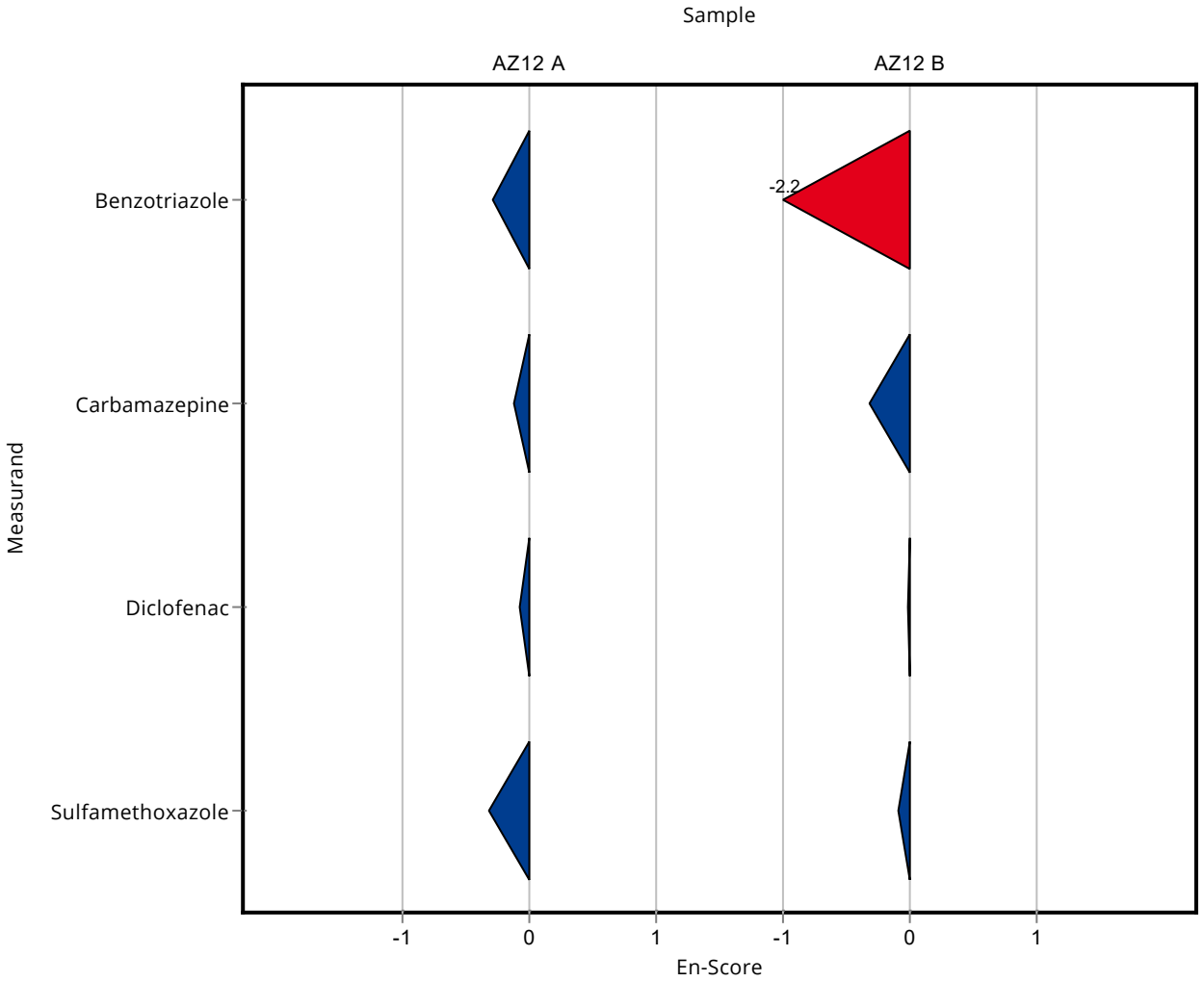
Summary of results Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12 - En-Score

Labcode: LC0003

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Formylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	- ± -	- ± -	-	-	-
Acesulfame	µg/l	1.09 ± 0.0597	- ± -	0.185	-	-
Amidotrizoic acid	µg/l	1.19 ± 0.0758	- ± -	0.237	-	-
Atenolol	µg/l	0.222 ± 0.0313	- ± -	0.0445	-	-
Benzotriazole	µg/l	7.12 ± 0.405	3.065 ± 0.9195	0.855	43	-2.15
Bisoprolol	µg/l	- ± -	- ± -	-	-	-
Carbamazepine	µg/l	0.405 ± 0.0203	0.3407 ± 0.1022	0.0527	84.1	-0.31
Cyclamate	µg/l	0.16 ± 0.0189	- ± -	0.032	-	-
Diazepam	µg/l	- ± -	- ± -	-	-	-
Diclofenac	µg/l	3.24 ± 0.195	3.222 ± 0.966	0.454	99.3	-0.01
Ibuprofen	µg/l	1.31 ± 0.127	- ± -	0.157	-	-
Iopamidol	µg/l	43.5 ± 2.59	- ± -	10	-	-
Metoprolol	µg/l	0.188 ± 0.0066	- ± -	0.0375	-	-
Saccharin	µg/l	- ± -	- ± -	-	-	-
Sotalol	µg/l	0.169 ± 0.0253	- ± -	0.0372	-	-
Sucralose	µg/l	26.2 ± 5.79	- ± -	8.11	-	-
Sulfamethoxazole	µg/l	0.339 ± 0.0397	0.3194 ± 0.0958	0.0745	94.3	-0.10

Summary of results Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12 - En-Score

Labcode: LC0003



Summary of results Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12

Labcode: LC0004

Sample: AZ12A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
4-Formylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	- ± -	- ± -	-	-	-
Acesulfame	µg/l	0.245 ± 0.0196	- ± -	0.0416	-	-
Amidotrizoic acid	µg/l	0.192 ± 0.0133	- ± -	0.0384	-	-
Atenolol	µg/l	0.134 ± 0.00737	- ± -	0.0268	-	-
Benzotriazole	µg/l	0.294 ± 0.013	0.31 ± 0.084	0.0352	106	0.47
Bisoprolol	µg/l	- ± -	0.13 ± 0.056	-	-	-
Carbamazepine	µg/l	0.152 ± 0.0109	0.15 ± 0.022	0.0198	98.5	-0.11
Cyclamate	µg/l	0.174 ± 0.0371	- ± -	0.0522	-	-
Diazepam	µg/l	- ± -	- ± -	-	-	-
Diclofenac	µg/l	0.152 ± 0.0295	0.25 ± 0.081	0.0545	165	1.81
Ibuprofen	µg/l	0.285 ± 0.0191	0.24 ± 0.05	0.0342	84.3	-1.31
Iopamidol	µg/l	0.516 ± 0.0392	- ± -	0.119	-	-
Metoprolol	µg/l	0.159 ± 0.00712	0.14 ± 0.031	0.0319	87.8	-0.61
Saccharin	µg/l	0.324 ± 0.0254	- ± -	0.0485	-	-
Sotalol	µg/l	0.194 ± 0.0195	0.19 ± 0.14	0.0427	98	-0.09
Sucralose	µg/l	1.11 ± 0.132	- ± -	0.277	-	-
Sulfamethoxazole	µg/l	0.136 ± 0.00741	0.13 ± 0.036	0.0163	95.5	-0.37

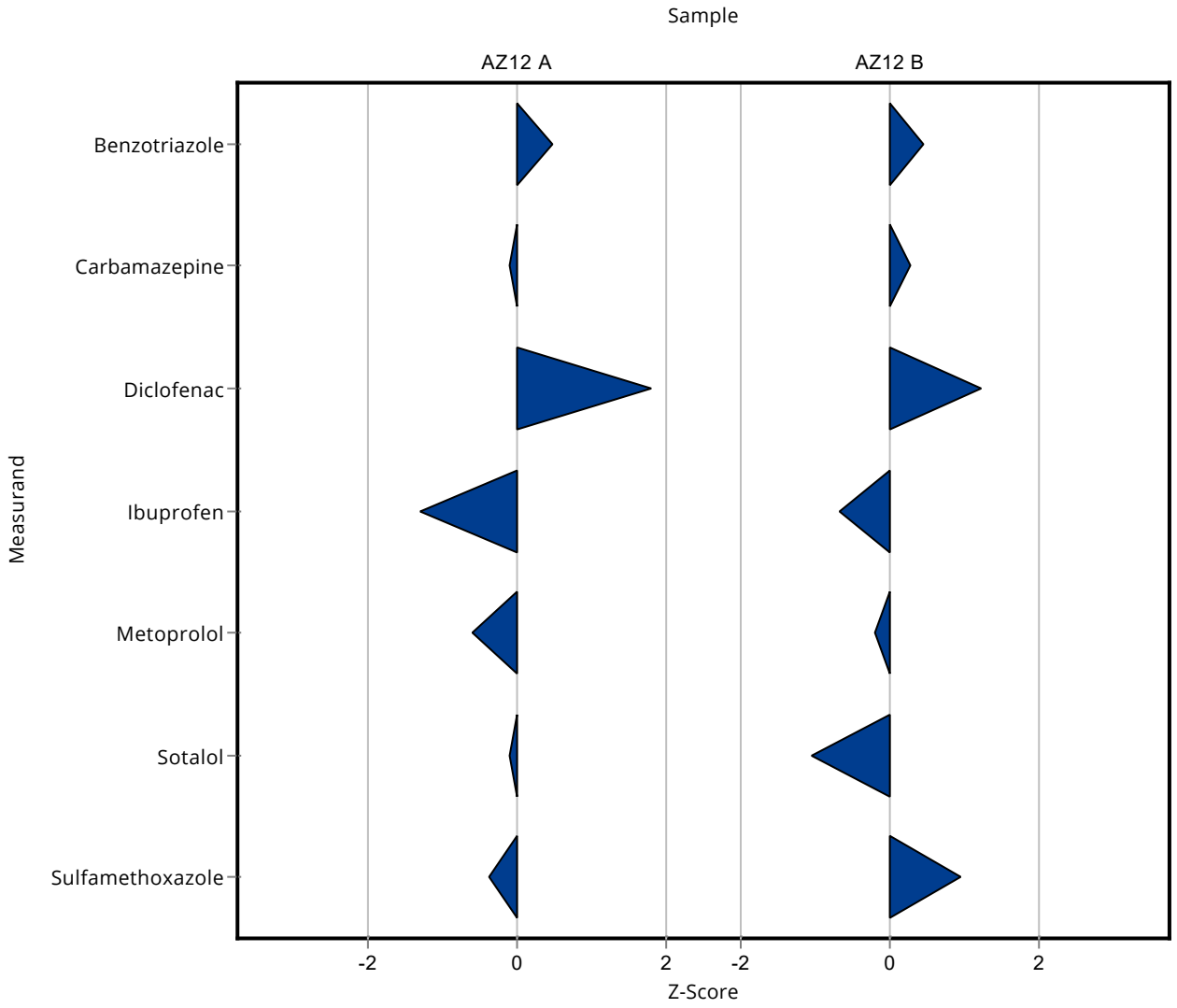
Sample: AZ12B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
4-Formylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	- ± -	- ± -	-	-	-
Acesulfame	µg/l	1.09 ± 0.0597	- ± -	0.185	-	-
Amidotrizoic acid	µg/l	1.19 ± 0.0758	- ± -	0.237	-	-
Atenolol	µg/l	0.222 ± 0.0313	- ± -	0.0445	-	-
Benzotriazole	µg/l	7.12 ± 0.405	7.5 ± 2	0.855	105	0.44

Summary of results Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12

Labcode: LC0004

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Bisoprolol	µg/l	- ± -	0.35 ± 0.15	-	-	-
Carbamazepine	µg/l	0.405 ± 0.0203	0.42 ± 0.062	0.0527	104	0.28
Cyclamate	µg/l	0.16 ± 0.0189	- ± -	0.032	-	-
Diazepam	µg/l	- ± -	- ± -	-	-	-
Diclofenac	µg/l	3.24 ± 0.195	3.8 ± 1.3	0.454	117	1.22
Ibuprofen	µg/l	1.31 ± 0.127	1.2 ± 0.24	0.157	91.9	-0.67
Iopamidol	µg/l	43.5 ± 2.59	- ± -	10	-	-
Metoprolol	µg/l	0.188 ± 0.0066	0.18 ± 0.04	0.0375	96	-0.20
Saccharin	µg/l	- ± -	- ± -	-	-	-
Sotalol	µg/l	0.169 ± 0.0253	0.13 ± 0.098	0.0372	76.8	-1.05
Sucralose	µg/l	26.2 ± 5.79	- ± -	8.11	-	-
Sulfamethoxazole	µg/l	0.339 ± 0.0397	0.41 ± 0.12	0.0745	121	0.96


Sample
AZ12 A
AZ12 B
Benzotriazole
Carbamazepine
Diclofenac
Ibuprofen
Metoprolol
Sotalol
Sulfamethoxazole
Measurand
-2
0
2
-2
0
2
Z-Score

Summary of results Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12 - En-Score

Labcode: LC0004

Sample: AZ12A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
4-Formylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	- ± -	- ± -	-	-	-
Acesulfame	µg/l	0.245 ± 0.0196	- ± -	0.0416	-	-
Amidotrizoic acid	µg/l	0.192 ± 0.0133	- ± -	0.0384	-	-
Atenolol	µg/l	0.134 ± 0.00737	- ± -	0.0268	-	-
Benzotriazole	µg/l	0.294 ± 0.013	0.31 ± 0.084	0.0352	106	0.10
Bisoprolol	µg/l	- ± -	0.13 ± 0.056	-	-	-
Carbamazepine	µg/l	0.152 ± 0.0109	0.15 ± 0.022	0.0198	98.5	-0.05
Cyclamate	µg/l	0.174 ± 0.0371	- ± -	0.0522	-	-
Diazepam	µg/l	- ± -	- ± -	-	-	-
Diclofenac	µg/l	0.152 ± 0.0295	0.25 ± 0.081	0.0545	165	0.60
Ibuprofen	µg/l	0.285 ± 0.0191	0.24 ± 0.05	0.0342	84.3	-0.44
Iopamidol	µg/l	0.516 ± 0.0392	- ± -	0.119	-	-
Metoprolol	µg/l	0.159 ± 0.00712	0.14 ± 0.031	0.0319	87.8	-0.31
Saccharin	µg/l	0.324 ± 0.0254	- ± -	0.0485	-	-
Sotalol	µg/l	0.194 ± 0.0195	0.19 ± 0.14	0.0427	98	-0.01
Sucralose	µg/l	1.11 ± 0.132	- ± -	0.277	-	-
Sulfamethoxazole	µg/l	0.136 ± 0.00741	0.13 ± 0.036	0.0163	95.5	-0.08

Sample: AZ12B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-

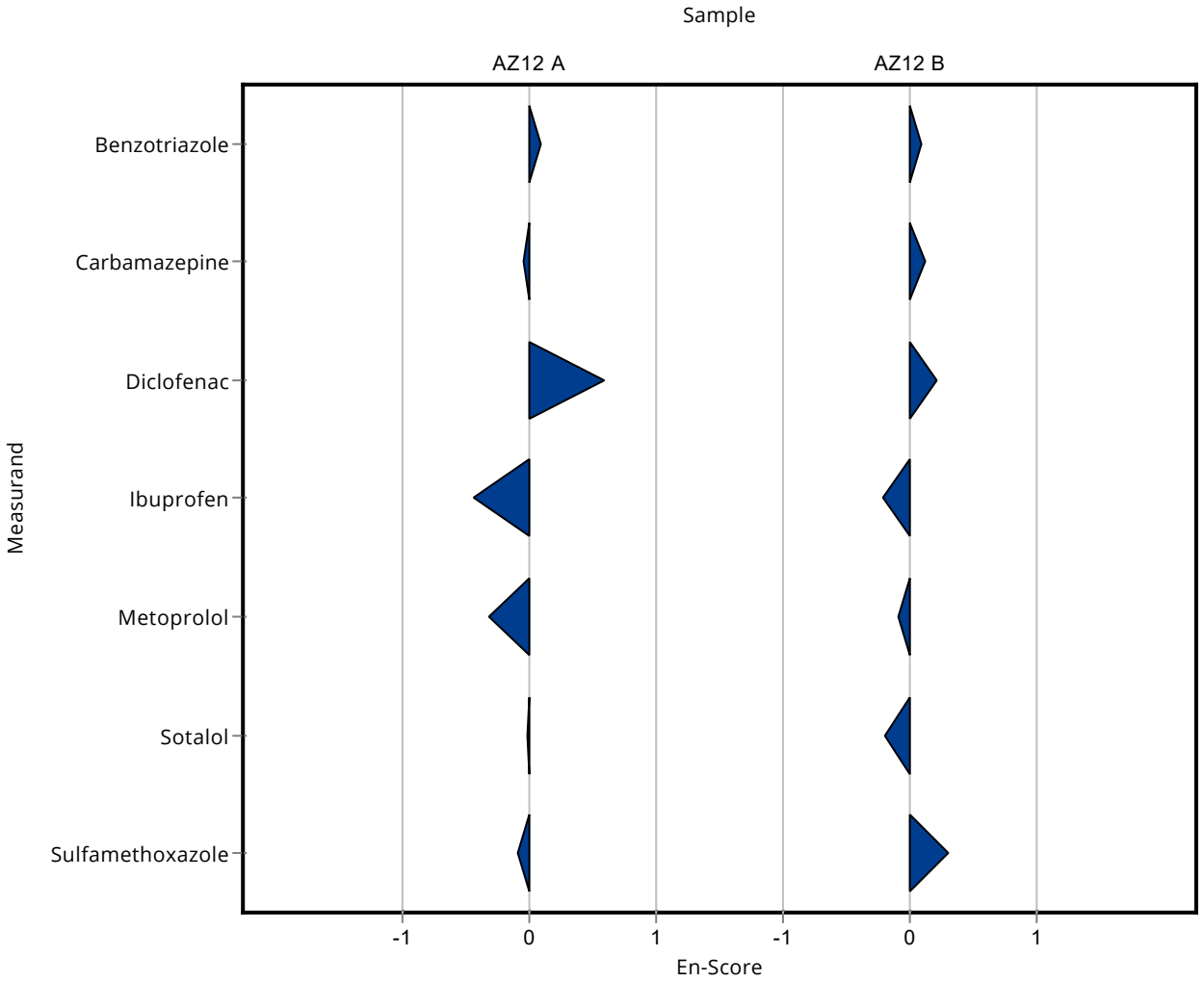
Summary of results Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12 - En-Score

Labcode: LC0004

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Formylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	- ± -	- ± -	-	-	-
Acesulfame	µg/l	1.09 ± 0.0597	- ± -	0.185	-	-
Amidotrizoic acid	µg/l	1.19 ± 0.0758	- ± -	0.237	-	-
Atenolol	µg/l	0.222 ± 0.0313	- ± -	0.0445	-	-
Benzotriazole	µg/l	7.12 ± 0.405	7.5 ± 2	0.855	105	0.09
Bisoprolol	µg/l	- ± -	0.35 ± 0.15	-	-	-
Carbamazepine	µg/l	0.405 ± 0.0203	0.42 ± 0.062	0.0527	104	0.12
Cyclamate	µg/l	0.16 ± 0.0189	- ± -	0.032	-	-
Diazepam	µg/l	- ± -	- ± -	-	-	-
Diclofenac	µg/l	3.24 ± 0.195	3.8 ± 1.3	0.454	117	0.21
Ibuprofen	µg/l	1.31 ± 0.127	1.2 ± 0.24	0.157	91.9	-0.21
Iopamidol	µg/l	43.5 ± 2.59	- ± -	10	-	-
Metoprolol	µg/l	0.188 ± 0.0066	0.18 ± 0.04	0.0375	96	-0.09
Saccharin	µg/l	- ± -	- ± -	-	-	-
Sotalol	µg/l	0.169 ± 0.0253	0.13 ± 0.098	0.0372	76.8	-0.20
Sucralose	µg/l	26.2 ± 5.79	- ± -	8.11	-	-
Sulfamethoxazole	µg/l	0.339 ± 0.0397	0.41 ± 0.12	0.0745	121	0.29

Summary of results Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12 - En-Score

Labcode: LC0004



Summary of results Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12

Labcode: LC0005

Sample: AZ12A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
4-Formylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	- ± -	0.3345 ± 0.0117	-	-	-
Acesulfame	µg/l	0.245 ± 0.0196	0.331 ± 0.0151	0.0416	135	2.07
Amidotrizoic acid	µg/l	0.192 ± 0.0133	0.2098 ± 0.0152	0.0384	109	0.47
Atenolol	µg/l	0.134 ± 0.00737	0.1185 ± 0.0122	0.0268	88.4	-0.58
Benzotriazole	µg/l	0.294 ± 0.013	0.2793 ± 0.0265	0.0352	95.1	-0.40
Bisoprolol	µg/l	- ± -	- ± -	-	-	-
Carbamazepine	µg/l	0.152 ± 0.0109	0.1091 ± 0.0086	0.0198	71.7	-2.18
Cyclamate	µg/l	0.174 ± 0.0371	- ± -	0.0522	-	-
Diazepam	µg/l	- ± -	- ± -	-	-	-
Diclofenac	µg/l	0.152 ± 0.0295	0.1965 ± 0.012	0.0545	130	0.83
Ibuprofen	µg/l	0.285 ± 0.0191	0.2832 ± 0.0808	0.0342	99.5	-0.04
Iopamidol	µg/l	0.516 ± 0.0392	0.6196 ± 0.0665	0.119	120	0.88
Metoprolol	µg/l	0.159 ± 0.00712	0.1589 ± 0.0057	0.0319	99.7	-0.02
Saccharin	µg/l	0.324 ± 0.0254	- ± -	0.0485	-	-
Sotalol	µg/l	0.194 ± 0.0195	0.208 ± 0.002	0.0427	107	0.33
Sucralose	µg/l	1.11 ± 0.132	1.4245 ± 0.1268	0.277	128	1.14
Sulfamethoxazole	µg/l	0.136 ± 0.00741	0.1321 ± 0.012	0.0163	97.1	-0.24

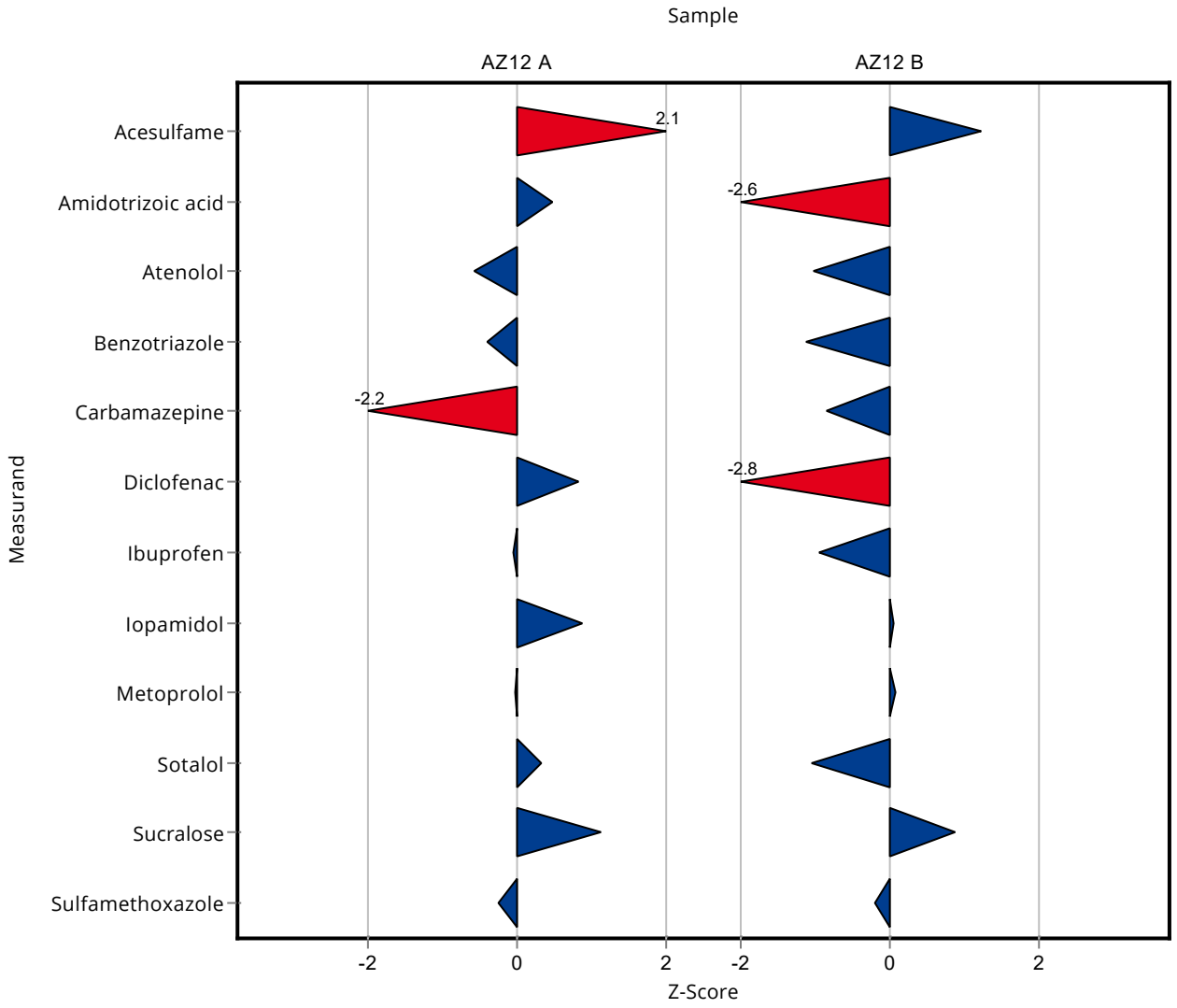
Sample: AZ12B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
4-Formylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	- ± -	0.705 ± 0.008	-	-	-
Acesulfame	µg/l	1.09 ± 0.0597	1.3172 ± 0.106	0.185	121	1.22
Amidotrizoic acid	µg/l	1.19 ± 0.0758	0.5605 ± 0.045	0.237	47.2	-2.64
Atenolol	µg/l	0.222 ± 0.0313	0.1763 ± 0.01	0.0445	79.3	-1.04
Benzotriazole	µg/l	7.12 ± 0.405	6.1657 ± 0.143	0.855	86.6	-1.12

Summary of results Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12

Labcode: LC0005

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Bisoprolol	µg/l	- ± -	- ± -	-	-	-
Carbamazepine	µg/l	0.405 ± 0.0203	0.3603 ± 0.016	0.0527	88.9	-0.85
Cyclamate	µg/l	0.16 ± 0.0189	- ± -	0.032	-	-
Diazepam	µg/l	- ± -	- ± -	-	-	-
Diclofenac	µg/l	3.24 ± 0.195	1.9707 ± 0.039	0.454	60.7	-2.80
Ibuprofen	µg/l	1.31 ± 0.127	1.158 ± 0.153	0.157	88.7	-0.94
Iopamidol	µg/l	43.5 ± 2.59	43.975 ± 1.618	10	101	0.04
Metoprolol	µg/l	0.188 ± 0.0066	0.1907 ± 0.002	0.0375	102	0.08
Saccharin	µg/l	- ± -	- ± -	-	-	-
Sotalol	µg/l	0.169 ± 0.0253	0.13 ± 0.002	0.0372	76.8	-1.05
Sucralose	µg/l	26.2 ± 5.79	33.354 ± 3.279	8.11	127	0.89
Sulfamethoxazole	µg/l	0.339 ± 0.0397	0.3234 ± 0.032	0.0745	95.5	-0.20


Sample
AZ12 A
AZ12 B
Acesulfame
Amidotrizoic acid
Atenolol
Benzotriazole
Carbamazepine
Diclofenac
Ibuprofen
Iopamidol
Metoprolol
Sotalol
Sucralose
Sulfamethoxazole
Measurand
2.1
-2.6
-2.2
-2.8
-2
0
2
Z-Score

Summary of results Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12 - En-Score

Labcode: LC0005

Sample: AZ12A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
4-Formylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	- ± -	0.3345 ± 0.0117	-	-	-
Acesulfame	µg/l	0.245 ± 0.0196	0.331 ± 0.0151	0.0416	135	2.39
Amidotrizoic acid	µg/l	0.192 ± 0.0133	0.2098 ± 0.0152	0.0384	109	0.54
Atenolol	µg/l	0.134 ± 0.00737	0.1185 ± 0.0122	0.0268	88.4	-0.61
Benzotriazole	µg/l	0.294 ± 0.013	0.2793 ± 0.0265	0.0352	95.1	-0.26
Bisoprolol	µg/l	- ± -	- ± -	-	-	-
Carbamazepine	µg/l	0.152 ± 0.0109	0.1091 ± 0.0086	0.0198	71.7	-2.12
Cyclamate	µg/l	0.174 ± 0.0371	- ± -	0.0522	-	-
Diazepam	µg/l	- ± -	- ± -	-	-	-
Diclofenac	µg/l	0.152 ± 0.0295	0.1965 ± 0.012	0.0545	130	1.18
Ibuprofen	µg/l	0.285 ± 0.0191	0.2832 ± 0.0808	0.0342	99.5	-0.01
Iopamidol	µg/l	0.516 ± 0.0392	0.6196 ± 0.0665	0.119	120	0.75
Metoprolol	µg/l	0.159 ± 0.00712	0.1589 ± 0.0057	0.0319	99.7	-0.04
Saccharin	µg/l	0.324 ± 0.0254	- ± -	0.0485	-	-
Sotalol	µg/l	0.194 ± 0.0195	0.208 ± 0.002	0.0427	107	0.70
Sucralose	µg/l	1.11 ± 0.132	1.4245 ± 0.1268	0.277	128	1.10
Sulfamethoxazole	µg/l	0.136 ± 0.00741	0.1321 ± 0.012	0.0163	97.1	-0.16

Sample: AZ12B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-

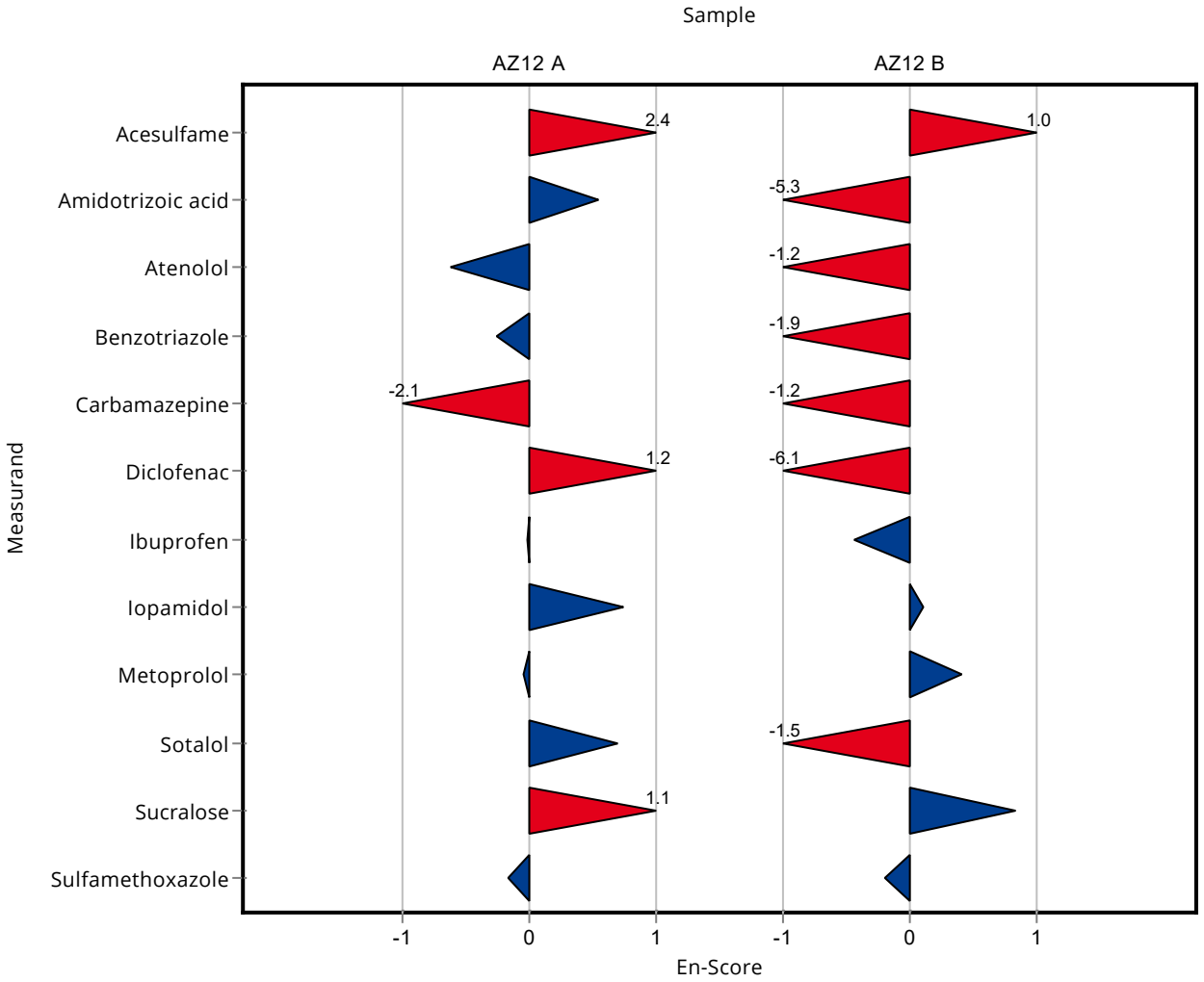
Summary of results Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12 - En-Score

Labcode: LC0005

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Formylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	- ± -	0.705 ± 0.008	-	-	-
Acesulfame	µg/l	1.09 ± 0.0597	1.3172 ± 0.106	0.185	121	1.03
Amidotrizoic acid	µg/l	1.19 ± 0.0758	0.5605 ± 0.045	0.237	47.2	-5.33
Atenolol	µg/l	0.222 ± 0.0313	0.1763 ± 0.01	0.0445	79.3	-1.24
Benzotriazole	µg/l	7.12 ± 0.405	6.1657 ± 0.143	0.855	86.6	-1.93
Bisoprolol	µg/l	- ± -	- ± -	-	-	-
Carbamazepine	µg/l	0.405 ± 0.0203	0.3603 ± 0.016	0.0527	88.9	-1.18
Cyclamate	µg/l	0.16 ± 0.0189	- ± -	0.032	-	-
Diazepam	µg/l	- ± -	- ± -	-	-	-
Diclofenac	µg/l	3.24 ± 0.195	1.9707 ± 0.039	0.454	60.7	-6.06
Ibuprofen	µg/l	1.31 ± 0.127	1.158 ± 0.153	0.157	88.7	-0.44
Iopamidol	µg/l	43.5 ± 2.59	43.975 ± 1.618	10	101	0.10
Metoprolol	µg/l	0.188 ± 0.0066	0.1907 ± 0.002	0.0375	102	0.41
Saccharin	µg/l	- ± -	- ± -	-	-	-
Sotalol	µg/l	0.169 ± 0.0253	0.13 ± 0.002	0.0372	76.8	-1.53
Sucralose	µg/l	26.2 ± 5.79	33.354 ± 3.279	8.11	127	0.82
Sulfamethoxazole	µg/l	0.339 ± 0.0397	0.3234 ± 0.032	0.0745	95.5	-0.20

Summary of results Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12 - En-Score

Labcode: LC0005



Summary of results Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12

Labcode: LC0006

Sample: AZ12A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
4-Formylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	- ± -	- ± -	-	-	-
Acesulfame	µg/l	0.245 ± 0.0196	- ± -	0.0416	-	-
Amidotrizoic acid	µg/l	0.192 ± 0.0133	- ± -	0.0384	-	-
Atenolol	µg/l	0.134 ± 0.00737	- ± -	0.0268	-	-
Benzotriazole	µg/l	0.294 ± 0.013	- ± -	0.0352	-	-
Bisoprolol	µg/l	- ± -	- ± -	-	-	-
Carbamazepine	µg/l	0.152 ± 0.0109	0.0533 ± 0.0107	0.0198	35	-5.00
Cyclamate	µg/l	0.174 ± 0.0371	- ± -	0.0522	-	-
Diazepam	µg/l	- ± -	- ± -	-	-	-
Diclofenac	µg/l	0.152 ± 0.0295	0.0469 ± 0.0094	0.0545	31	-1.92
Ibuprofen	µg/l	0.285 ± 0.0191	0.0805 ± 0.0161	0.0342	28.3	-5.98
Iopamidol	µg/l	0.516 ± 0.0392	- ± -	0.119	-	-
Metoprolol	µg/l	0.159 ± 0.00712	- ± -	0.0319	-	-
Saccharin	µg/l	0.324 ± 0.0254	0.1693 ± 0.0339	0.0485	52.3	-3.18
Sotalol	µg/l	0.194 ± 0.0195	- ± -	0.0427	-	-
Sucralose	µg/l	1.11 ± 0.132	0.9102 ± 0.182	0.277	82	-0.72
Sulfamethoxazole	µg/l	0.136 ± 0.00741	- ± -	0.0163	-	-

Sample: AZ12B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
4-Formylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	- ± -	- ± -	-	-	-
Acesulfame	µg/l	1.09 ± 0.0597	- ± -	0.185	-	-
Amidotrizoic acid	µg/l	1.19 ± 0.0758	- ± -	0.237	-	-
Atenolol	µg/l	0.222 ± 0.0313	- ± -	0.0445	-	-
Benzotriazole	µg/l	7.12 ± 0.405	- ± -	0.855	-	-

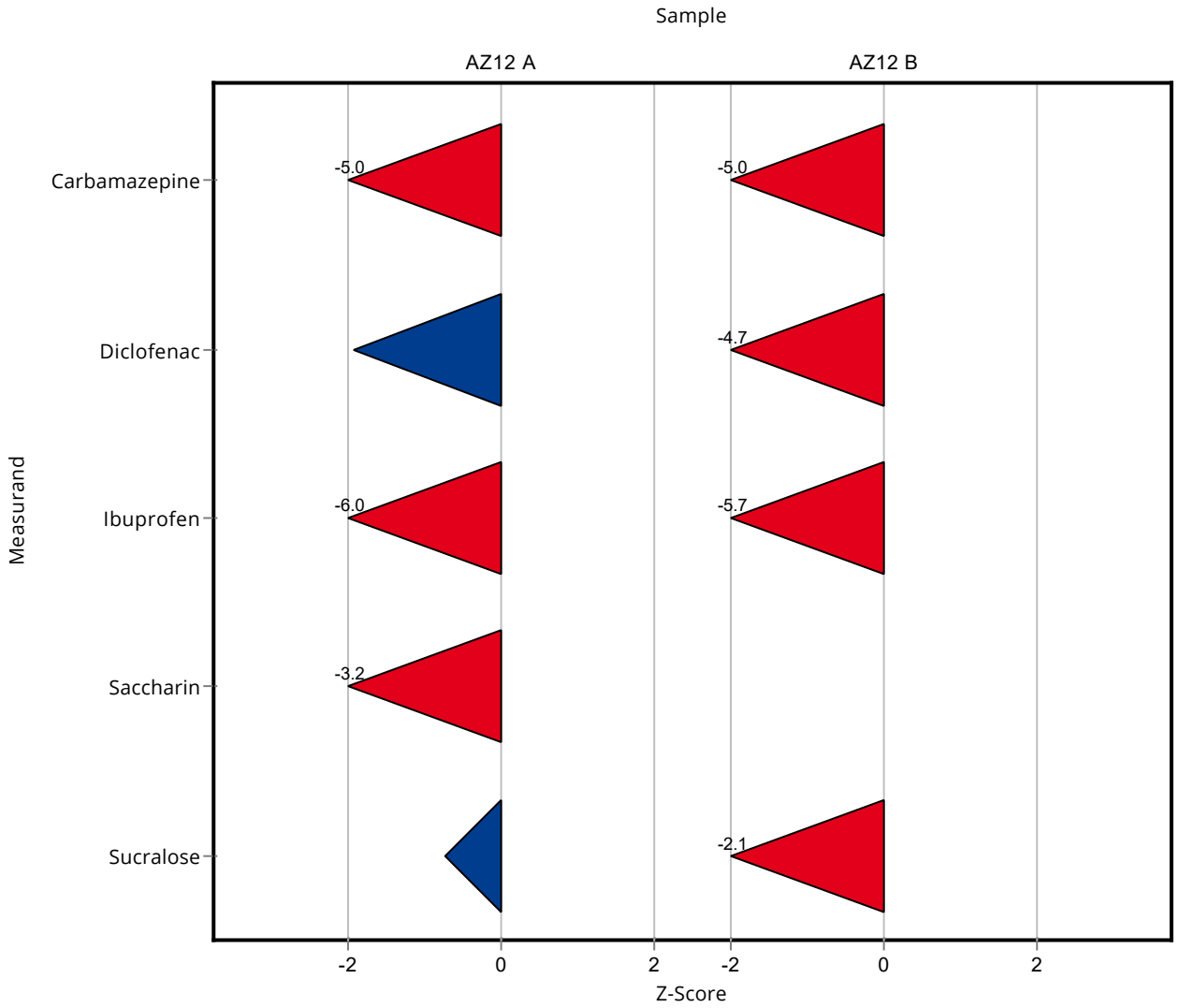
Summary of results Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12

Labcode: LC0006

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Bisoprolol	µg/l	- ± -	- ± -	-	-	-
Carbamazepine	µg/l	0.405 ± 0.0203	0.1428 ± 0.0286	0.0527	35.2	-4.98
Cyclamate	µg/l	0.16 ± 0.0189	- ± -	0.032	-	-
Diazepam	µg/l	- ± -	- ± -	-	-	-
Diclofenac	µg/l	3.24 ± 0.195	1.0979 ± 0.2196	0.454	33.8	-4.73
Ibuprofen	µg/l	1.31 ± 0.127	0.4082 ± 0.0816	0.157	31.3	-5.73
Iopamidol	µg/l	43.5 ± 2.59	- ± -	10	-	-
Metoprolol	µg/l	0.188 ± 0.0066	- ± -	0.0375	-	-
Saccharin	µg/l	- ± -	1.0158 ± 0.2032	-	-	-
Sotalol	µg/l	0.169 ± 0.0253	- ± -	0.0372	-	-
Sucralose	µg/l	26.2 ± 5.79	9.4175 ± 1.8835	8.11	36	-2.06
Sulfamethoxazole	µg/l	0.339 ± 0.0397	- ± -	0.0745	-	-

Summary of results Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12

Labcode: LC0006



Summary of results Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12 - En-Score

Labcode: LC0006

Sample: AZ12A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
4-Formylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	- ± -	- ± -	-	-	-
Acesulfame	µg/l	0.245 ± 0.0196	- ± -	0.0416	-	-
Amidotrizoic acid	µg/l	0.192 ± 0.0133	- ± -	0.0384	-	-
Atenolol	µg/l	0.134 ± 0.00737	- ± -	0.0268	-	-
Benzotriazole	µg/l	0.294 ± 0.013	- ± -	0.0352	-	-
Bisoprolol	µg/l	- ± -	- ± -	-	-	-
Carbamazepine	µg/l	0.152 ± 0.0109	0.0533 ± 0.0107	0.0198	35	-4.12
Cyclamate	µg/l	0.174 ± 0.0371	- ± -	0.0522	-	-
Diazepam	µg/l	- ± -	- ± -	-	-	-
Diclofenac	µg/l	0.152 ± 0.0295	0.0469 ± 0.0094	0.0545	31	-2.99
Ibuprofen	µg/l	0.285 ± 0.0191	0.0805 ± 0.0161	0.0342	28.3	-5.45
Iopamidol	µg/l	0.516 ± 0.0392	- ± -	0.119	-	-
Metoprolol	µg/l	0.159 ± 0.00712	- ± -	0.0319	-	-
Saccharin	µg/l	0.324 ± 0.0254	0.1693 ± 0.0339	0.0485	52.3	-2.13
Sotalol	µg/l	0.194 ± 0.0195	- ± -	0.0427	-	-
Sucralose	µg/l	1.11 ± 0.132	0.9102 ± 0.182	0.277	82	-0.51
Sulfamethoxazole	µg/l	0.136 ± 0.00741	- ± -	0.0163	-	-

Sample: AZ12B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-

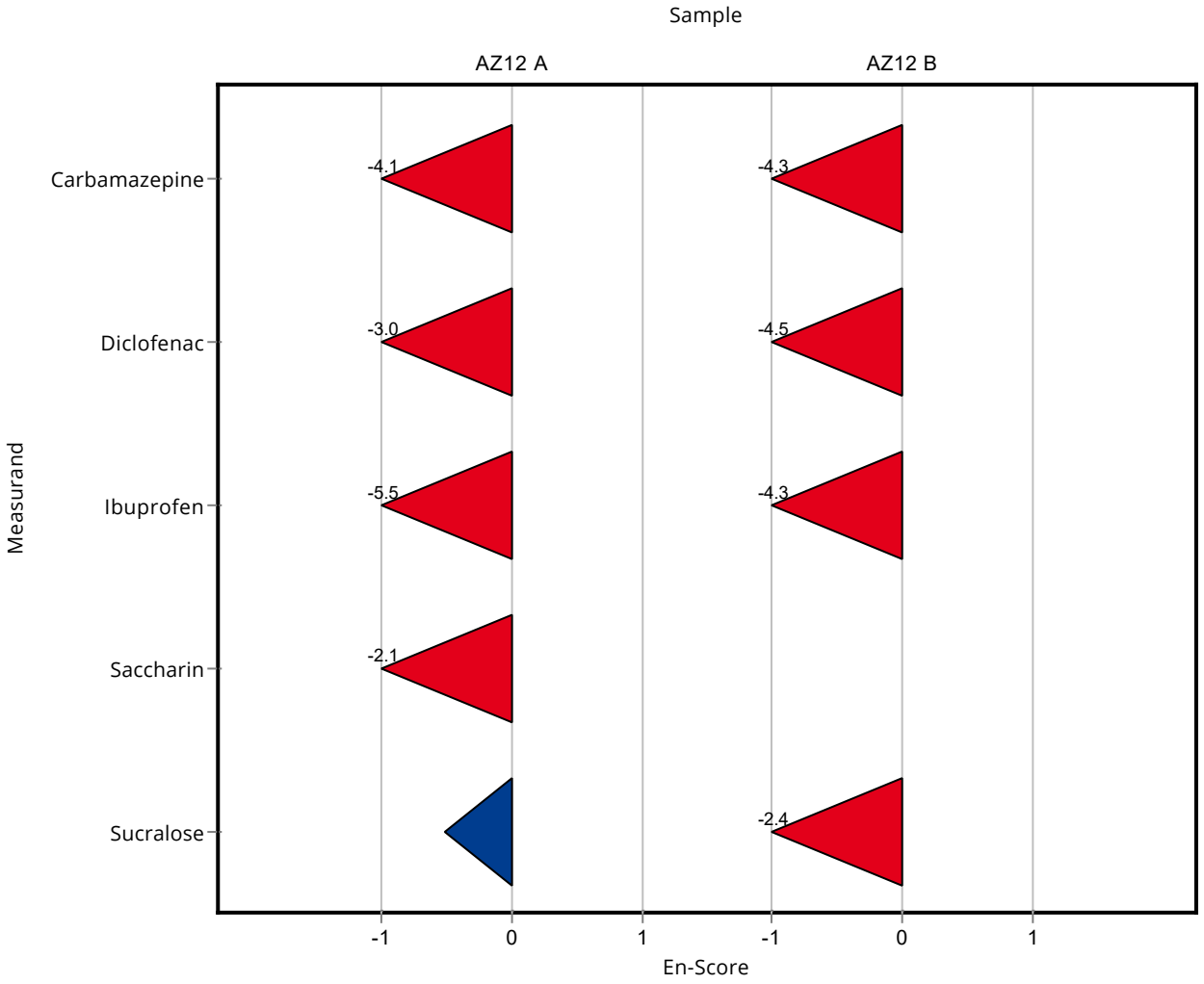
Summary of results Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12 - En-Score

Labcode: LC0006

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Formylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	- ± -	- ± -	-	-	-
Acesulfame	µg/l	1.09 ± 0.0597	- ± -	0.185	-	-
Amidotrizoic acid	µg/l	1.19 ± 0.0758	- ± -	0.237	-	-
Atenolol	µg/l	0.222 ± 0.0313	- ± -	0.0445	-	-
Benzotriazole	µg/l	7.12 ± 0.405	- ± -	0.855	-	-
Bisoprolol	µg/l	- ± -	- ± -	-	-	-
Carbamazepine	µg/l	0.405 ± 0.0203	0.1428 ± 0.0286	0.0527	35.2	-4.32
Cyclamate	µg/l	0.16 ± 0.0189	- ± -	0.032	-	-
Diazepam	µg/l	- ± -	- ± -	-	-	-
Diclofenac	µg/l	3.24 ± 0.195	1.0979 ± 0.2196	0.454	33.8	-4.47
Ibuprofen	µg/l	1.31 ± 0.127	0.4082 ± 0.0816	0.157	31.3	-4.33
Iopamidol	µg/l	43.5 ± 2.59	- ± -	10	-	-
Metoprolol	µg/l	0.188 ± 0.0066	- ± -	0.0375	-	-
Saccharin	µg/l	- ± -	1.0158 ± 0.2032	-	-	-
Sotalol	µg/l	0.169 ± 0.0253	- ± -	0.0372	-	-
Sucralose	µg/l	26.2 ± 5.79	9.4175 ± 1.8835	8.11	36	-2.43
Sulfamethoxazole	µg/l	0.339 ± 0.0397	- ± -	0.0745	-	-

Summary of results Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12 - En-Score

Labcode: LC0006



Summary of results Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12

Labcode: LC0007

Sample: AZ12A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
4-Formylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	- ± -	- ± -	-	-	-
Acesulfame	µg/l	0.245 ± 0.0196	0.205 ± 0.02	0.0416	83.7	-0.96
Amidotrizoic acid	µg/l	0.192 ± 0.0133	0.106 ± 0.02	0.0384	55.3	-2.24
Atenolol	µg/l	0.134 ± 0.00737	0.133 ± 0.009	0.0268	99.2	-0.04
Benzotriazole	µg/l	0.294 ± 0.013	0.282 ± 0.0338	0.0352	96.1	-0.33
Bisoprolol	µg/l	- ± -	- ± -	-	-	-
Carbamazepine	µg/l	0.152 ± 0.0109	0.152 ± 0.0091	0.0198	99.9	-0.01
Cyclamate	µg/l	0.174 ± 0.0371	0.183 ± 0.0165	0.0522	105	0.17
Diazepam	µg/l	- ± -	- ± -	-	-	-
Diclofenac	µg/l	0.152 ± 0.0295	0.045 ± 0.0027	0.0545	29.7	-1.95
Ibuprofen	µg/l	0.285 ± 0.0191	0.314 ± 0.0503	0.0342	110	0.86
Iopamidol	µg/l	0.516 ± 0.0392	0.225 ± 0.0338	0.119	43.6	-2.45
Metoprolol	µg/l	0.159 ± 0.00712	0.152 ± 0.0137	0.0319	95.4	-0.23
Saccharin	µg/l	0.324 ± 0.0254	- ± -	0.0485	-	-
Sotalol	µg/l	0.194 ± 0.0195	0.172 ± 0.0295	0.0427	88.7	-0.51
Sucralose	µg/l	1.11 ± 0.132	0.828 ± 0.0828	0.277	74.6	-1.01
Sulfamethoxazole	µg/l	0.136 ± 0.00741	0.114 ± 0.016	0.0163	83.8	-1.35

Sample: AZ12B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
4-Formylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	- ± -	- ± -	-	-	-
Acesulfame	µg/l	1.09 ± 0.0597	1.069 ± 0.1069	0.185	98	-0.12
Amidotrizoic acid	µg/l	1.19 ± 0.0758	0.328 ± 0.0623	0.237	27.6	-3.62
Atenolol	µg/l	0.222 ± 0.0313	0.279 ± 0.0196	0.0445	125	1.27
Benzotriazole	µg/l	7.12 ± 0.405	8.24 ± 0.659	0.855	116	1.31

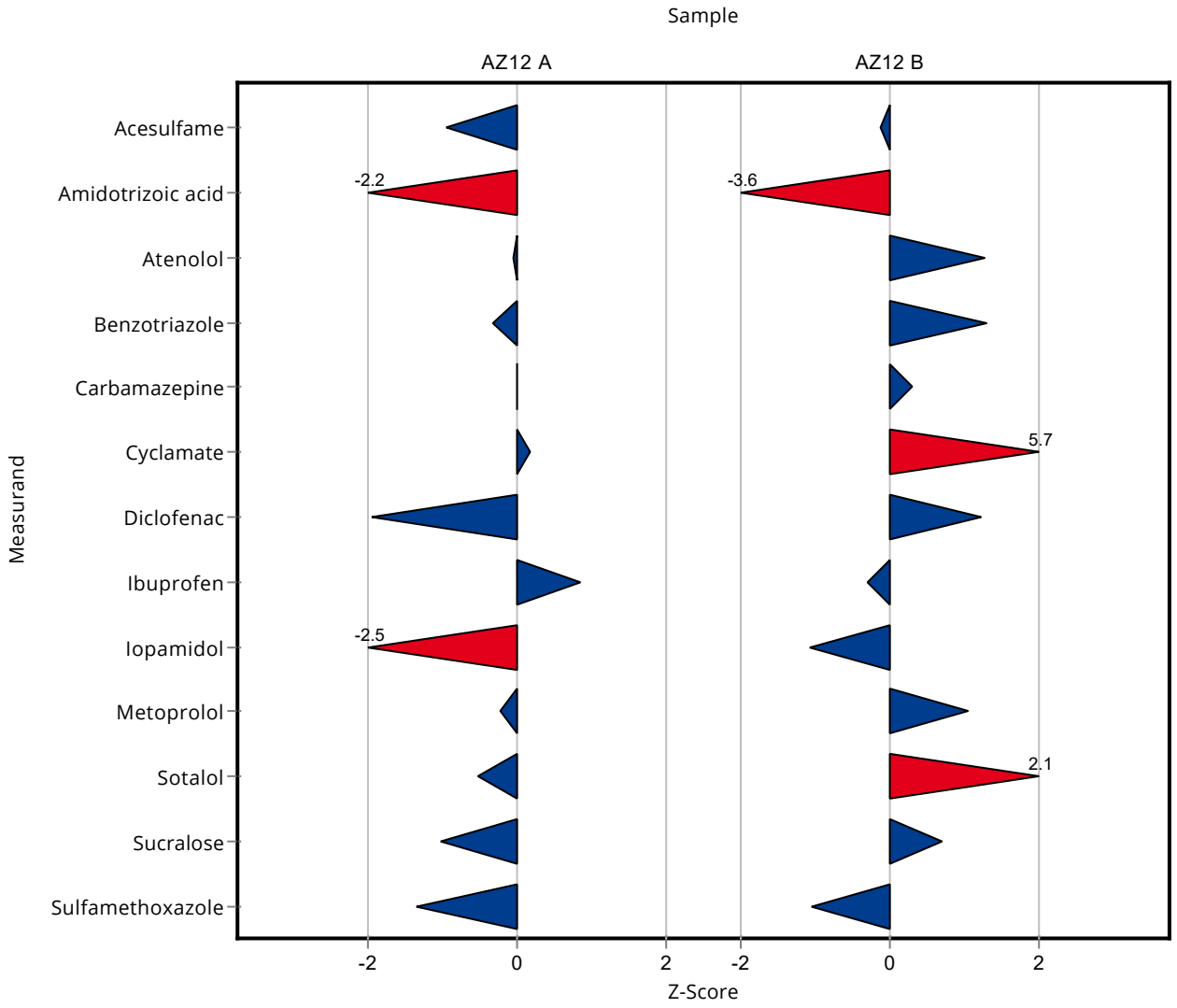
Summary of results Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12

Labcode: LC0007

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Bisoprolol	µg/l	- ± -	- ± -	-	-	-
Carbamazepine	µg/l	0.405 ± 0.0203	0.421 ± 0.0253	0.0527	104	0.30
Cyclamate	µg/l	0.16 ± 0.0189	0.343 ± 0.0308	0.032	215	5.73
Diazepam	µg/l	- ± -	- ± -	-	-	-
Diclofenac	µg/l	3.24 ± 0.195	3.8 ± 0.152	0.454	117	1.22
Ibuprofen	µg/l	1.31 ± 0.127	1.26 ± 0.2016	0.157	96.5	-0.29
Iopamidol	µg/l	43.5 ± 2.59	32.8 ± 4.92	10	75.3	-1.07
Metoprolol	µg/l	0.188 ± 0.0066	0.227 ± 0.0204	0.0375	121	1.05
Saccharin	µg/l	- ± -	- ± -	-	-	-
Sotalol	µg/l	0.169 ± 0.0253	0.249 ± 0.0423	0.0372	147	2.14
Sucralose	µg/l	26.2 ± 5.79	31.8 ± 3.18	8.11	122	0.69
Sulfamethoxazole	µg/l	0.339 ± 0.0397	0.261 ± 0.0365	0.0745	77.1	-1.04

Summary of results Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12

Labcode: LC0007



Summary of results Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12 - En-Score

Labcode: LC0007

Sample: AZ12A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
4-Formylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	- ± -	- ± -	-	-	-
Acesulfame	µg/l	0.245 ± 0.0196	0.205 ± 0.02	0.0416	83.7	-0.89
Amidotrizoic acid	µg/l	0.192 ± 0.0133	0.106 ± 0.02	0.0384	55.3	-2.03
Atenolol	µg/l	0.134 ± 0.00737	0.133 ± 0.009	0.0268	99.2	-0.06
Benzotriazole	µg/l	0.294 ± 0.013	0.282 ± 0.0338	0.0352	96.1	-0.17
Bisoprolol	µg/l	- ± -	- ± -	-	-	-
Carbamazepine	µg/l	0.152 ± 0.0109	0.152 ± 0.0091	0.0198	99.9	-0.01
Cyclamate	µg/l	0.174 ± 0.0371	0.183 ± 0.0165	0.0522	105	0.18
Diazepam	µg/l	- ± -	- ± -	-	-	-
Diclofenac	µg/l	0.152 ± 0.0295	0.045 ± 0.0027	0.0545	29.7	-3.56
Ibuprofen	µg/l	0.285 ± 0.0191	0.314 ± 0.0503	0.0342	110	0.29
Iopamidol	µg/l	0.516 ± 0.0392	0.225 ± 0.0338	0.119	43.6	-3.72
Metoprolol	µg/l	0.159 ± 0.00712	0.152 ± 0.0137	0.0319	95.4	-0.26
Saccharin	µg/l	0.324 ± 0.0254	- ± -	0.0485	-	-
Sotalol	µg/l	0.194 ± 0.0195	0.172 ± 0.0295	0.0427	88.7	-0.35
Sucralose	µg/l	1.11 ± 0.132	0.828 ± 0.0828	0.277	74.6	-1.33
Sulfamethoxazole	µg/l	0.136 ± 0.00741	0.114 ± 0.016	0.0163	83.8	-0.67

Sample: AZ12B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-

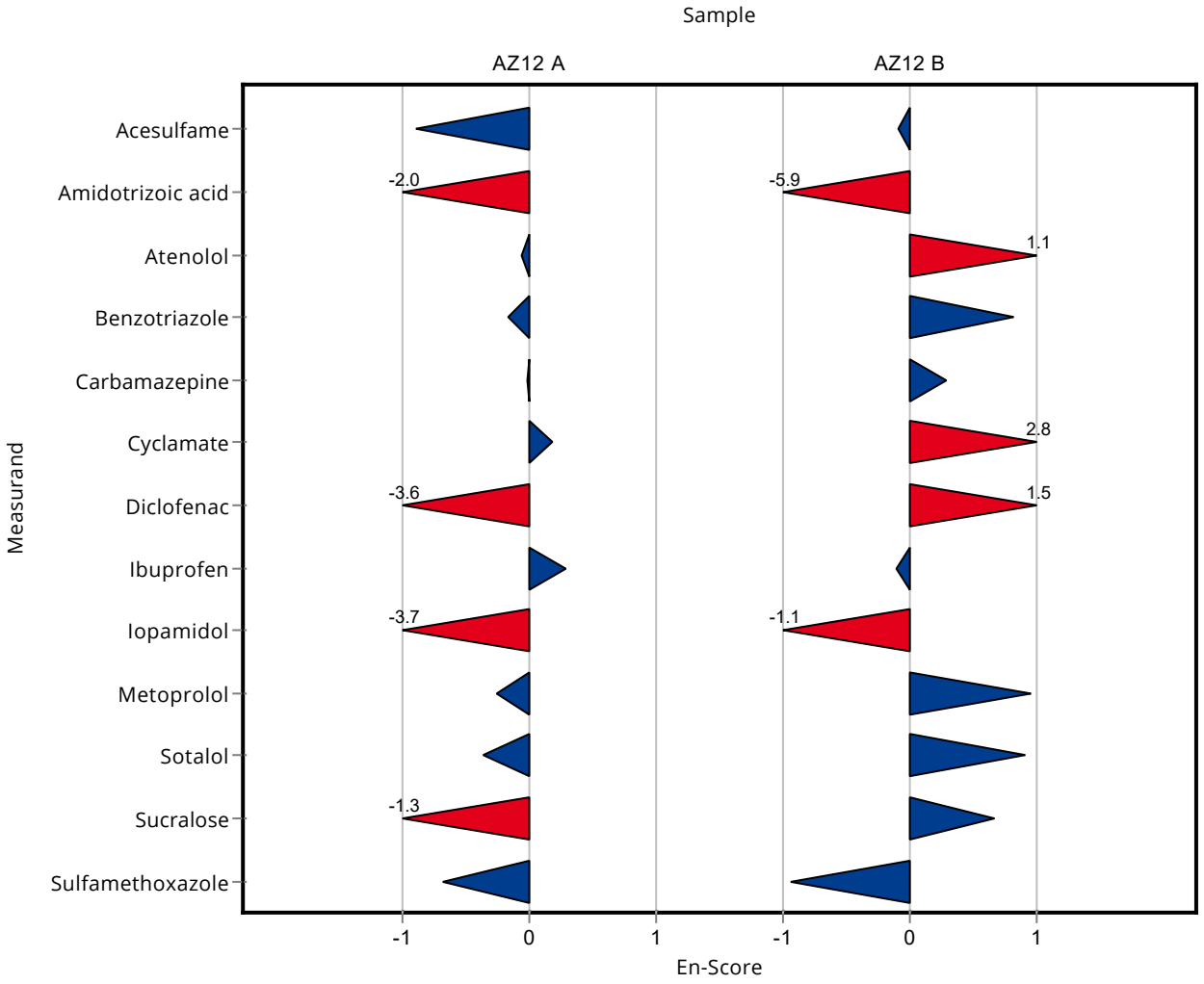
Summary of results Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12 - En-Score

Labcode: LC0007

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Formylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	- ± -	- ± -	-	-	-
Acesulfame	µg/l	1.09 ± 0.0597	1.069 ± 0.1069	0.185	98	-0.10
Amidotrizoic acid	µg/l	1.19 ± 0.0758	0.328 ± 0.0623	0.237	27.6	-5.89
Atenolol	µg/l	0.222 ± 0.0313	0.279 ± 0.0196	0.0445	125	1.13
Benzotriazole	µg/l	7.12 ± 0.405	8.24 ± 0.659	0.855	116	0.81
Bisoprolol	µg/l	- ± -	- ± -	-	-	-
Carbamazepine	µg/l	0.405 ± 0.0203	0.421 ± 0.0253	0.0527	104	0.29
Cyclamate	µg/l	0.16 ± 0.0189	0.343 ± 0.0308	0.032	215	2.84
Diazepam	µg/l	- ± -	- ± -	-	-	-
Diclofenac	µg/l	3.24 ± 0.195	3.8 ± 0.152	0.454	117	1.54
Ibuprofen	µg/l	1.31 ± 0.127	1.26 ± 0.2016	0.157	96.5	-0.11
Iopamidol	µg/l	43.5 ± 2.59	32.8 ± 4.92	10	75.3	-1.06
Metoprolol	µg/l	0.188 ± 0.0066	0.227 ± 0.0204	0.0375	121	0.95
Saccharin	µg/l	- ± -	- ± -	-	-	-
Sotalol	µg/l	0.169 ± 0.0253	0.249 ± 0.0423	0.0372	147	0.90
Sucralose	µg/l	26.2 ± 5.79	31.8 ± 3.18	8.11	122	0.66
Sulfamethoxazole	µg/l	0.339 ± 0.0397	0.261 ± 0.0365	0.0745	77.1	-0.93

Summary of results Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12 - En-Score

Labcode: LC0007



Summary of results Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12

Labcode: LC0008

Sample: AZ12A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	µg/l	- ± -	0.197 ± 0.079	-	-	-
4-Formylaminoantipyrine	µg/l	- ± -	0.205 ± 0.082	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	- ± -	0.298 ± 0.149	-	-	-
Acesulfame	µg/l	0.245 ± 0.0196	1.3 ± 0.26	0.0416	531	25.35
Amidotrizoic acid	µg/l	0.192 ± 0.0133	0.138 ± 0.055	0.0384	71.9	-1.40
Atenolol	µg/l	0.134 ± 0.00737	0.204 ± 0.061	0.0268	152	2.60
Benzotriazole	µg/l	0.294 ± 0.013	0.418 ± 0.167	0.0352	142	3.53
Bisoprolol	µg/l	- ± -	0.394 ± 0.079	-	-	-
Carbamazepine	µg/l	0.152 ± 0.0109	0.444 ± 0.178	0.0198	292	14.75
Cyclamate	µg/l	0.174 ± 0.0371	0.241 ± 0.097	0.0522	138	1.28
Diazepam	µg/l	- ± -	- ± -	-	-	-
Diclofenac	µg/l	0.152 ± 0.0295	0.2 ± 0.06	0.0545	132	0.89
Ibuprofen	µg/l	0.285 ± 0.0191	1.24 ± 0.371	0.0342	436	27.97
Iopamidol	µg/l	0.516 ± 0.0392	0.612 ± 0.184	0.119	119	0.81
Metoprolol	µg/l	0.159 ± 0.00712	0.199 ± 0.08	0.0319	125	1.24
Saccharin	µg/l	0.324 ± 0.0254	- ± -	0.0485	-	-
Sotalol	µg/l	0.194 ± 0.0195	0.144 ± 0.029	0.0427	74.2	-1.17
Sucralose	µg/l	1.11 ± 0.132	31.77 ± 12.707	0.277	2860	110.54
Sulfamethoxazole	µg/l	0.136 ± 0.00741	0.135 ± 0.04	0.0163	99.2	-0.07

Sample: AZ12B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	µg/l	- ± -	1.5 ± 0.45	-	-	-
4-Formylaminoantipyrine	µg/l	- ± -	3.95 ± 1.58	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	- ± -	0.794 ± 0.397	-	-	-
Acesulfame	µg/l	1.09 ± 0.0597	0.294 ± 0.059	0.185	27	-4.30
Amidotrizoic acid	µg/l	1.19 ± 0.0758	1.01 ± 0.41	0.237	85.1	-0.75
Atenolol	µg/l	0.222 ± 0.0313	0.158 ± 0.047	0.0445	71	-1.45
Benzotriazole	µg/l	7.12 ± 0.405	7.46 ± 2.98	0.855	105	0.40

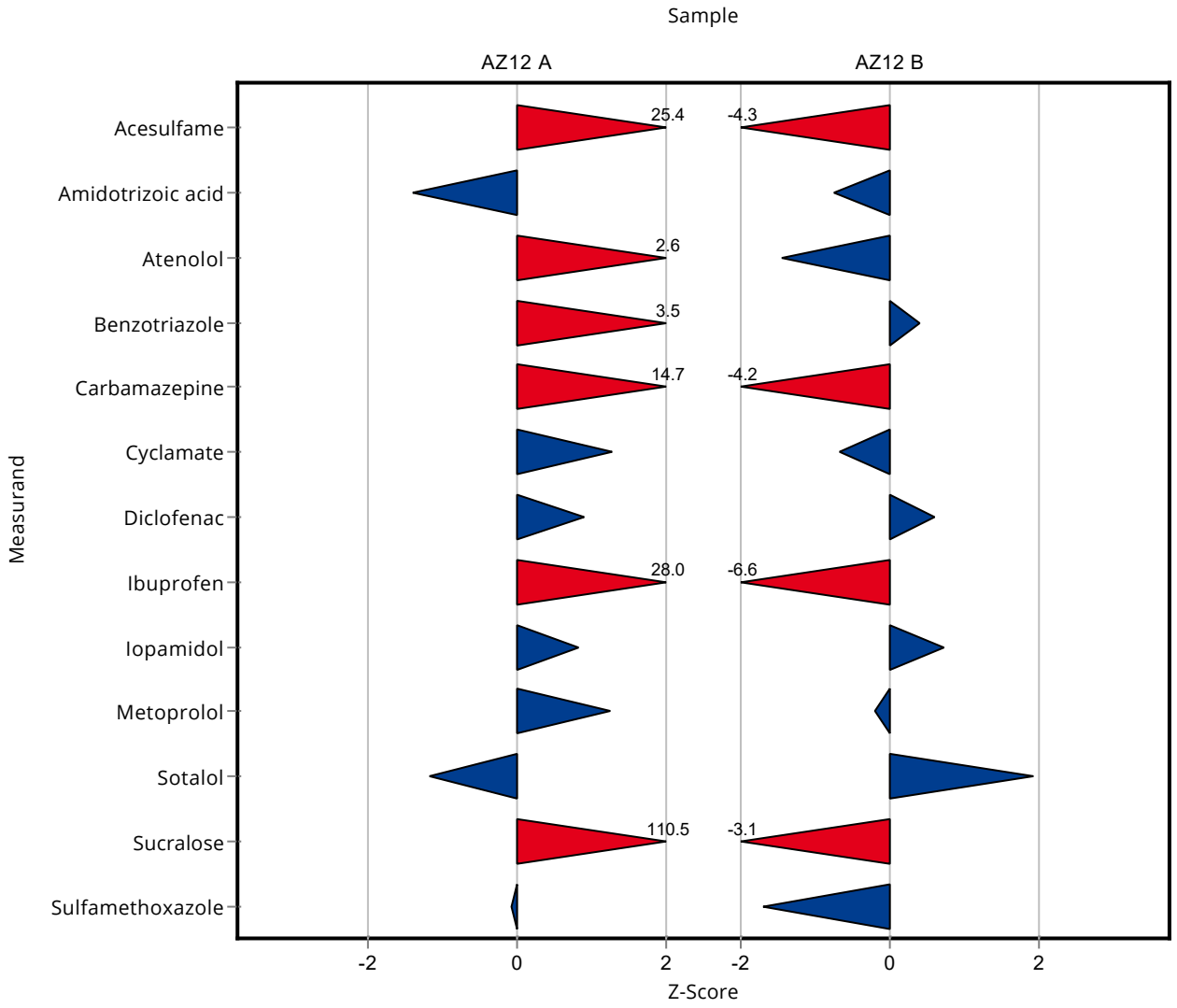
Summary of results Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12

Labcode: LC0008

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Bisoprolol	µg/l	- ± -	0.178 ± 0.036	-	-	-
Carbamazepine	µg/l	0.405 ± 0.0203	0.182 ± 0.073	0.0527	44.9	-4.24
Cyclamate	µg/l	0.16 ± 0.0189	0.138 ± 0.055	0.032	86.4	-0.68
Diazepam	µg/l	- ± -	- ± -	-	-	-
Diclofenac	µg/l	3.24 ± 0.195	3.52 ± 1.06	0.454	108	0.61
Ibuprofen	µg/l	1.31 ± 0.127	0.278 ± 0.083	0.157	21.3	-6.56
Iopamidol	µg/l	43.5 ± 2.59	50.77 ± 15.23	10	117	0.72
Metoprolol	µg/l	0.188 ± 0.0066	0.18 ± 0.072	0.0375	96	-0.20
Saccharin	µg/l	- ± -	- ± -	-	-	-
Sotalol	µg/l	0.169 ± 0.0253	0.241 ± 0.048	0.0372	142	1.93
Sucralose	µg/l	26.2 ± 5.79	1.34 ± 0.53	8.11	5.12	-3.06
Sulfamethoxazole	µg/l	0.339 ± 0.0397	0.212 ± 0.064	0.0745	62.6	-1.70

Summary of results Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12

Labcode: LC0008



Summary of results Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12 - En-Score

Labcode: LC0008

Sample: AZ12A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	µg/l	- ± -	0.197 ± 0.079	-	-	-
4-Formylaminoantipyrine	µg/l	- ± -	0.205 ± 0.082	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	- ± -	0.298 ± 0.149	-	-	-
Acesulfame	µg/l	0.245 ± 0.0196	1.3 ± 0.26	0.0416	531	2.03
Amidotrizoic acid	µg/l	0.192 ± 0.0133	0.138 ± 0.055	0.0384	71.9	-0.49
Atenolol	µg/l	0.134 ± 0.00737	0.204 ± 0.061	0.0268	152	0.57
Benzotriazole	µg/l	0.294 ± 0.013	0.418 ± 0.167	0.0352	142	0.37
Bisoprolol	µg/l	- ± -	0.394 ± 0.079	-	-	-
Carbamazepine	µg/l	0.152 ± 0.0109	0.444 ± 0.178	0.0198	292	0.82
Cyclamate	µg/l	0.174 ± 0.0371	0.241 ± 0.097	0.0522	138	0.34
Diazepam	µg/l	- ± -	- ± -	-	-	-
Diclofenac	µg/l	0.152 ± 0.0295	0.2 ± 0.06	0.0545	132	0.39
Ibuprofen	µg/l	0.285 ± 0.0191	1.24 ± 0.371	0.0342	436	1.29
Iopamidol	µg/l	0.516 ± 0.0392	0.612 ± 0.184	0.119	119	0.26
Metoprolol	µg/l	0.159 ± 0.00712	0.199 ± 0.08	0.0319	125	0.25
Saccharin	µg/l	0.324 ± 0.0254	- ± -	0.0485	-	-
Sotalol	µg/l	0.194 ± 0.0195	0.144 ± 0.029	0.0427	74.2	-0.82
Sucralose	µg/l	1.11 ± 0.132	31.77 ± 12.707	0.277	2860	1.21
Sulfamethoxazole	µg/l	0.136 ± 0.00741	0.135 ± 0.04	0.0163	99.2	-0.01

Sample: AZ12B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	µg/l	- ± -	1.5 ± 0.45	-	-	-

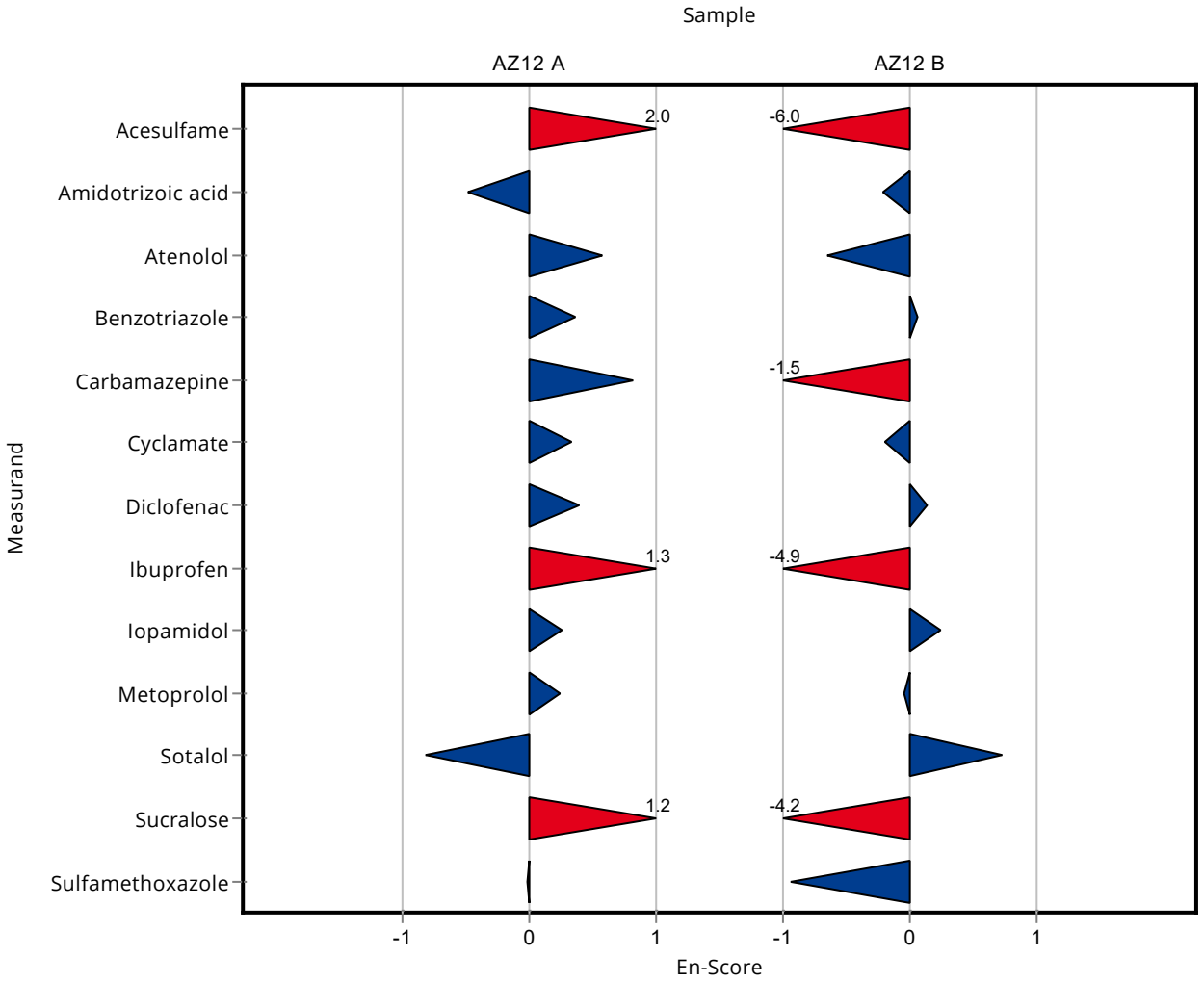
Summary of results Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12 - En-Score

Labcode: LC0008

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Formylaminoantipyrine	µg/l	- ± -	3.95 ± 1.58	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	- ± -	0.794 ± 0.397	-	-	-
Acesulfame	µg/l	1.09 ± 0.0597	0.294 ± 0.059	0.185	27	-6.02
Amidotrizoic acid	µg/l	1.19 ± 0.0758	1.01 ± 0.41	0.237	85.1	-0.22
Atenolol	µg/l	0.222 ± 0.0313	0.158 ± 0.047	0.0445	71	-0.65
Benzotriazole	µg/l	7.12 ± 0.405	7.46 ± 2.98	0.855	105	0.06
Bisoprolol	µg/l	- ± -	0.178 ± 0.036	-	-	-
Carbamazepine	µg/l	0.405 ± 0.0203	0.182 ± 0.073	0.0527	44.9	-1.51
Cyclamate	µg/l	0.16 ± 0.0189	0.138 ± 0.055	0.032	86.4	-0.20
Diazepam	µg/l	- ± -	- ± -	-	-	-
Diclofenac	µg/l	3.24 ± 0.195	3.52 ± 1.06	0.454	108	0.13
Ibuprofen	µg/l	1.31 ± 0.127	0.278 ± 0.083	0.157	21.3	-4.91
Iopamidol	µg/l	43.5 ± 2.59	50.77 ± 15.23	10	117	0.24
Metoprolol	µg/l	0.188 ± 0.0066	0.18 ± 0.072	0.0375	96	-0.05
Saccharin	µg/l	- ± -	- ± -	-	-	-
Sotalol	µg/l	0.169 ± 0.0253	0.241 ± 0.048	0.0372	142	0.72
Sucralose	µg/l	26.2 ± 5.79	1.34 ± 0.53	8.11	5.12	-4.22
Sulfamethoxazole	µg/l	0.339 ± 0.0397	0.212 ± 0.064	0.0745	62.6	-0.95

Summary of results Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12 - En-Score

Labcode: LC0008



Summary of results Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12

Labcode: LC0009

Sample: AZ12A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
4-Formylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	- ± -	- ± -	-	-	-
Acesulfame	µg/l	0.245 ± 0.0196	0.217 ± 0.039	0.0416	88.6	-0.67
Amidotrizoic acid	µg/l	0.192 ± 0.0133	0.177 ± 0.032	0.0384	92.3	-0.39
Atenolol	µg/l	0.134 ± 0.00737	0.127 ± 0.023	0.0268	94.7	-0.27
Benzotriazole	µg/l	0.294 ± 0.013	0.281 ± 0.051	0.0352	95.7	-0.36
Bisoprolol	µg/l	- ± -	- ± -	-	-	-
Carbamazepine	µg/l	0.152 ± 0.0109	0.158 ± 0.028	0.0198	104	0.29
Cyclamate	µg/l	0.174 ± 0.0371	0.137 ± 0.025	0.0522	78.7	-0.71
Diazepam	µg/l	- ± -	- ± -	-	-	-
Diclofenac	µg/l	0.152 ± 0.0295	0.129 ± 0.023	0.0545	85.1	-0.41
Ibuprofen	µg/l	0.285 ± 0.0191	- ± -	0.0342	-	-
Iopamidol	µg/l	0.516 ± 0.0392	0.427 ± 0.077	0.119	82.8	-0.75
Metoprolol	µg/l	0.159 ± 0.00712	0.152 ± 0.027	0.0319	95.4	-0.23
Saccharin	µg/l	0.324 ± 0.0254	0.336 ± 0.06	0.0485	104	0.26
Sotalol	µg/l	0.194 ± 0.0195	0.166 ± 0.03	0.0427	85.6	-0.66
Sucralose	µg/l	1.11 ± 0.132	1.08 ± 0.194	0.277	97.3	-0.11
Sulfamethoxazole	µg/l	0.136 ± 0.00741	0.142 ± 0.026	0.0163	104	0.36

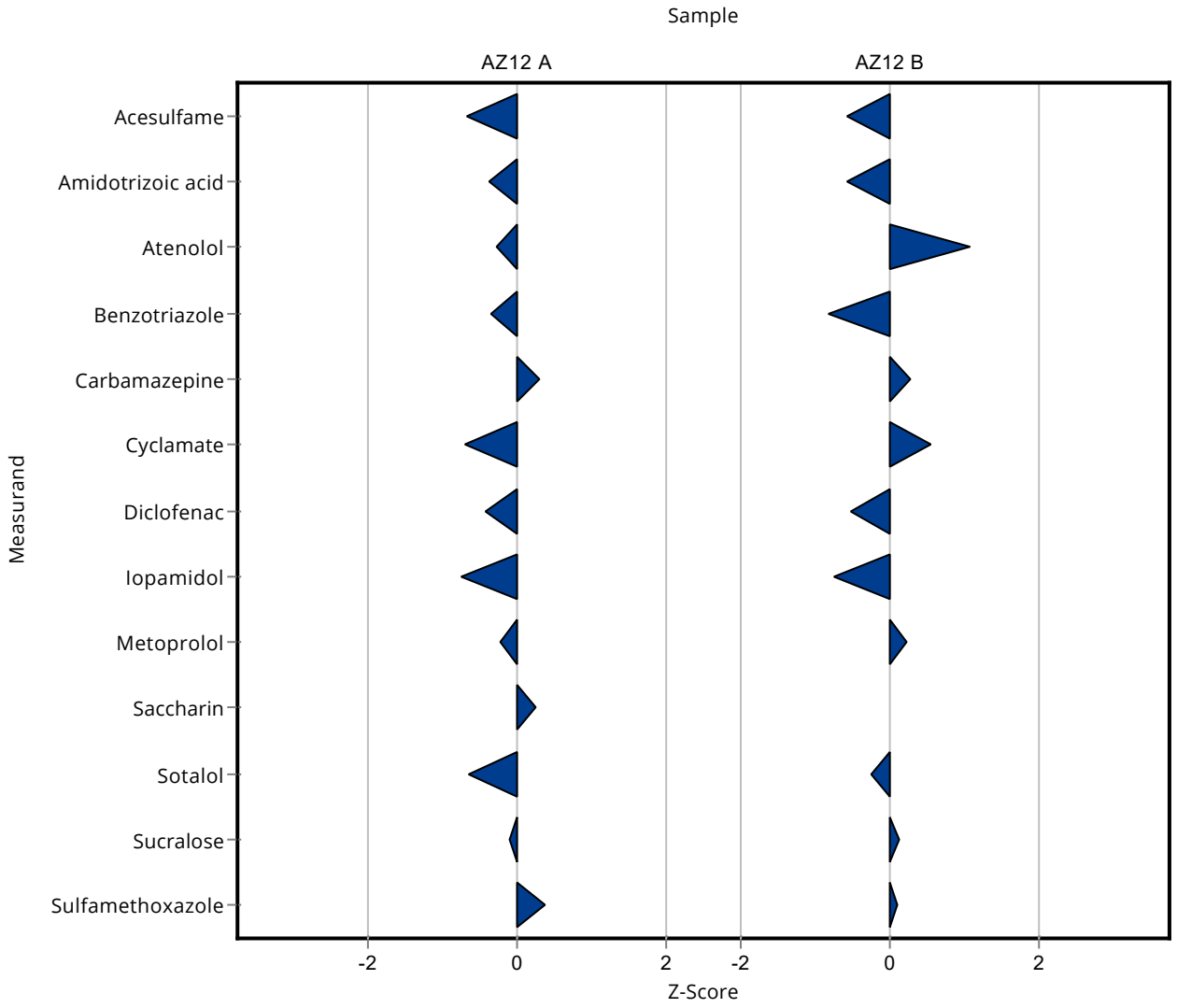
Sample: AZ12B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
4-Formylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	- ± -	- ± -	-	-	-
Acesulfame	µg/l	1.09 ± 0.0597	0.982 ± 0.177	0.185	90.1	-0.58
Amidotrizoic acid	µg/l	1.19 ± 0.0758	1.049 ± 0.189	0.237	88.3	-0.58
Atenolol	µg/l	0.222 ± 0.0313	0.27 ± 0.049	0.0445	121	1.07
Benzotriazole	µg/l	7.12 ± 0.405	6.418 ± 1.155	0.855	90.1	-0.82

Summary of results Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12

Labcode: LC0009

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Bisoprolol	µg/l	- ± -	- ± -	-	-	-
Carbamazepine	µg/l	0.405 ± 0.0203	0.42 ± 0.076	0.0527	104	0.28
Cyclamate	µg/l	0.16 ± 0.0189	0.177 ± 0.032	0.032	111	0.54
Diazepam	µg/l	- ± -	- ± -	-	-	-
Diclofenac	µg/l	3.24 ± 0.195	3.005 ± 0.541	0.454	92.6	-0.53
Ibuprofen	µg/l	1.31 ± 0.127	- ± -	0.157	-	-
Iopamidol	µg/l	43.5 ± 2.59	35.947 ± 6.47	10	82.5	-0.76
Metoprolol	µg/l	0.188 ± 0.0066	0.196 ± 0.035	0.0375	104	0.22
Saccharin	µg/l	- ± -	3.398 ± 0.612	-	-	-
Sotalol	µg/l	0.169 ± 0.0253	0.16 ± 0.029	0.0372	94.5	-0.25
Sucralose	µg/l	26.2 ± 5.79	27.232 ± 4.902	8.11	104	0.13
Sulfamethoxazole	µg/l	0.339 ± 0.0397	0.346 ± 0.062	0.0745	102	0.10


Sample
AZ12 A
AZ12 B
Acesulfame
Amidotrizoic acid
Atenolol
Benzotriazole
Carbamazepine
Cyclamate
Diclofenac
Iopamidol
Metoprolol
Saccharin
Sotalol
Sucralose
Sulfamethoxazole
Measurand
-2
0
2
-2
0
2
Z-Score

Summary of results Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12 - En-Score

Labcode: LC0009

Sample: AZ12A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
4-Formylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	- ± -	- ± -	-	-	-
Acesulfame	µg/l	0.245 ± 0.0196	0.217 ± 0.039	0.0416	88.6	-0.35
Amidotrizoic acid	µg/l	0.192 ± 0.0133	0.177 ± 0.032	0.0384	92.3	-0.23
Atenolol	µg/l	0.134 ± 0.00737	0.127 ± 0.023	0.0268	94.7	-0.15
Benzotriazole	µg/l	0.294 ± 0.013	0.281 ± 0.051	0.0352	95.7	-0.12
Bisoprolol	µg/l	- ± -	- ± -	-	-	-
Carbamazepine	µg/l	0.152 ± 0.0109	0.158 ± 0.028	0.0198	104	0.10
Cyclamate	µg/l	0.174 ± 0.0371	0.137 ± 0.025	0.0522	78.7	-0.60
Diazepam	µg/l	- ± -	- ± -	-	-	-
Diclofenac	µg/l	0.152 ± 0.0295	0.129 ± 0.023	0.0545	85.1	-0.41
Ibuprofen	µg/l	0.285 ± 0.0191	- ± -	0.0342	-	-
Iopamidol	µg/l	0.516 ± 0.0392	0.427 ± 0.077	0.119	82.8	-0.56
Metoprolol	µg/l	0.159 ± 0.00712	0.152 ± 0.027	0.0319	95.4	-0.14
Saccharin	µg/l	0.324 ± 0.0254	0.336 ± 0.06	0.0485	104	0.10
Sotalol	µg/l	0.194 ± 0.0195	0.166 ± 0.03	0.0427	85.6	-0.44
Sucralose	µg/l	1.11 ± 0.132	1.08 ± 0.194	0.277	97.3	-0.07
Sulfamethoxazole	µg/l	0.136 ± 0.00741	0.142 ± 0.026	0.0163	104	0.11

Sample: AZ12B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-

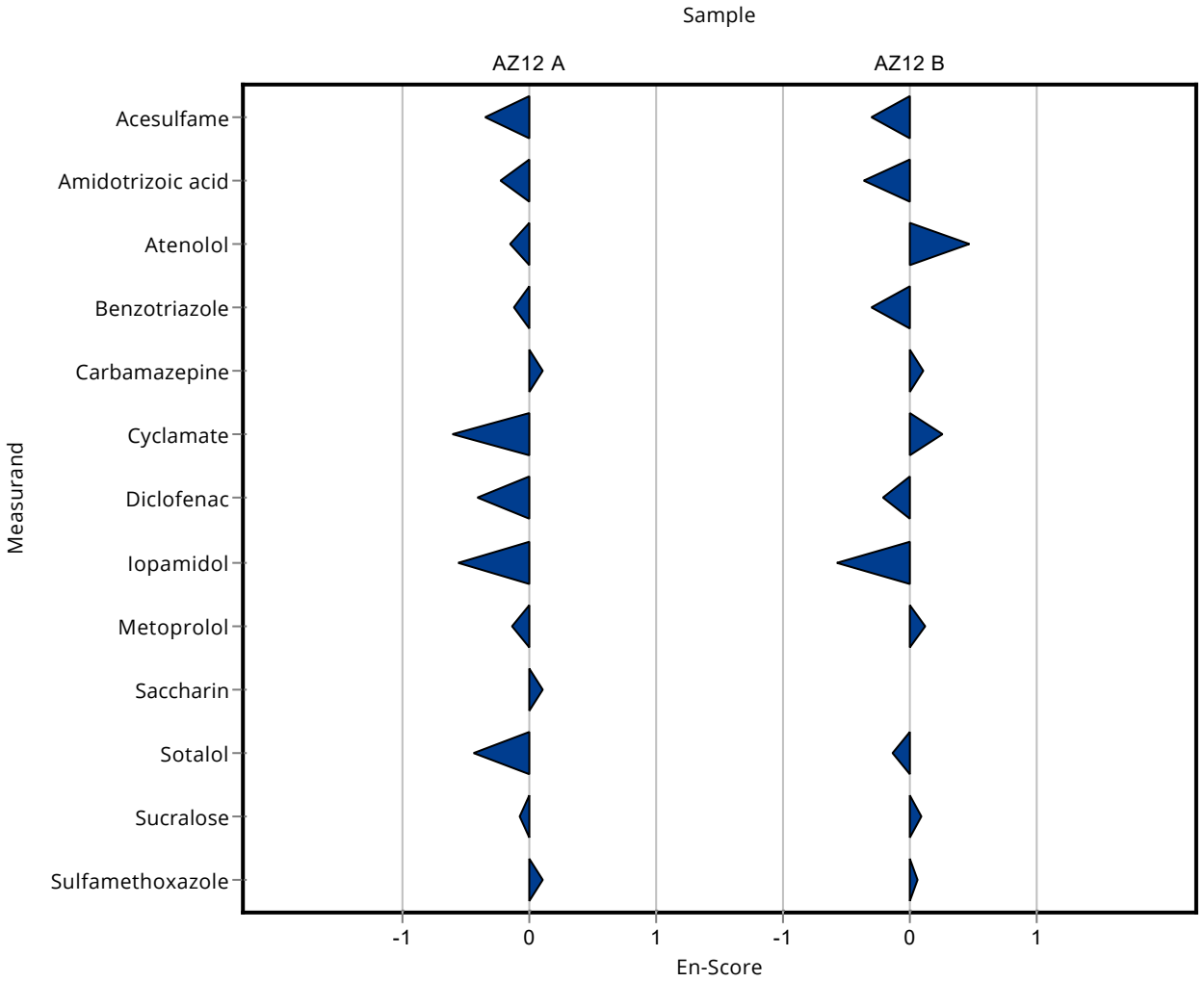
Summary of results Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12 - En-Score

Labcode: LC0009

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Formylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	- ± -	- ± -	-	-	-
Acesulfame	µg/l	1.09 ± 0.0597	0.982 ± 0.177	0.185	90.1	-0.30
Amidotrizoic acid	µg/l	1.19 ± 0.0758	1.049 ± 0.189	0.237	88.3	-0.36
Atenolol	µg/l	0.222 ± 0.0313	0.27 ± 0.049	0.0445	121	0.46
Benzotriazole	µg/l	7.12 ± 0.405	6.418 ± 1.155	0.855	90.1	-0.30
Bisoprolol	µg/l	- ± -	- ± -	-	-	-
Carbamazepine	µg/l	0.405 ± 0.0203	0.42 ± 0.076	0.0527	104	0.10
Cyclamate	µg/l	0.16 ± 0.0189	0.177 ± 0.032	0.032	111	0.26
Diazepam	µg/l	- ± -	- ± -	-	-	-
Diclofenac	µg/l	3.24 ± 0.195	3.005 ± 0.541	0.454	92.6	-0.22
Ibuprofen	µg/l	1.31 ± 0.127	- ± -	0.157	-	-
Iopamidol	µg/l	43.5 ± 2.59	35.947 ± 6.47	10	82.5	-0.58
Metoprolol	µg/l	0.188 ± 0.0066	0.196 ± 0.035	0.0375	104	0.12
Saccharin	µg/l	- ± -	3.398 ± 0.612	-	-	-
Sotalol	µg/l	0.169 ± 0.0253	0.16 ± 0.029	0.0372	94.5	-0.15
Sucralose	µg/l	26.2 ± 5.79	27.232 ± 4.902	8.11	104	0.09
Sulfamethoxazole	µg/l	0.339 ± 0.0397	0.346 ± 0.062	0.0745	102	0.06

Summary of results Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12 - En-Score

Labcode: LC0009



Summary of results Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12

Labcode: LC0010

Sample: AZ12A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
4-Formylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	- ± -	- ± -	-	-	-
Acesulfame	µg/l	0.245 ± 0.0196	0.2251 ± 0.0108	0.0416	91.9	-0.47
Amidotrizoic acid	µg/l	0.192 ± 0.0133	0.204 ± 0.0263	0.0384	106	0.32
Atenolol	µg/l	0.134 ± 0.00737	- ± -	0.0268	-	-
Benzotriazole	µg/l	0.294 ± 0.013	- ± -	0.0352	-	-
Bisoprolol	µg/l	- ± -	0.1625 ± 0.0239	-	-	-
Carbamazepine	µg/l	0.152 ± 0.0109	0.1341 ± 0.0265	0.0198	88.1	-0.92
Cyclamate	µg/l	0.174 ± 0.0371	0.1546 ± 0.0134	0.0522	88.8	-0.37
Diazepam	µg/l	- ± -	- ± -	-	-	-
Diclofenac	µg/l	0.152 ± 0.0295	- ± -	0.0545	-	-
Ibuprofen	µg/l	0.285 ± 0.0191	- ± -	0.0342	-	-
Iopamidol	µg/l	0.516 ± 0.0392	0.5217 ± 0.0488	0.119	101	0.05
Metoprolol	µg/l	0.159 ± 0.00712	- ± -	0.0319	-	-
Saccharin	µg/l	0.324 ± 0.0254	0.3523 ± 0.0247	0.0485	109	0.59
Sotalol	µg/l	0.194 ± 0.0195	- ± -	0.0427	-	-
Sucralose	µg/l	1.11 ± 0.132	1.1216 ± 0.0578	0.277	101	0.04
Sulfamethoxazole	µg/l	0.136 ± 0.00741	0.1561 ± 0.0125	0.0163	115	1.23

Sample: AZ12B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
4-Formylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	- ± -	- ± -	-	-	-
Acesulfame	µg/l	1.09 ± 0.0597	1.0349 ± 0.0497	0.185	94.9	-0.30
Amidotrizoic acid	µg/l	1.19 ± 0.0758	1.1917 ± 0.1537	0.237	100	0.02
Atenolol	µg/l	0.222 ± 0.0313	- ± -	0.0445	-	-
Benzotriazole	µg/l	7.12 ± 0.405	- ± -	0.855	-	-

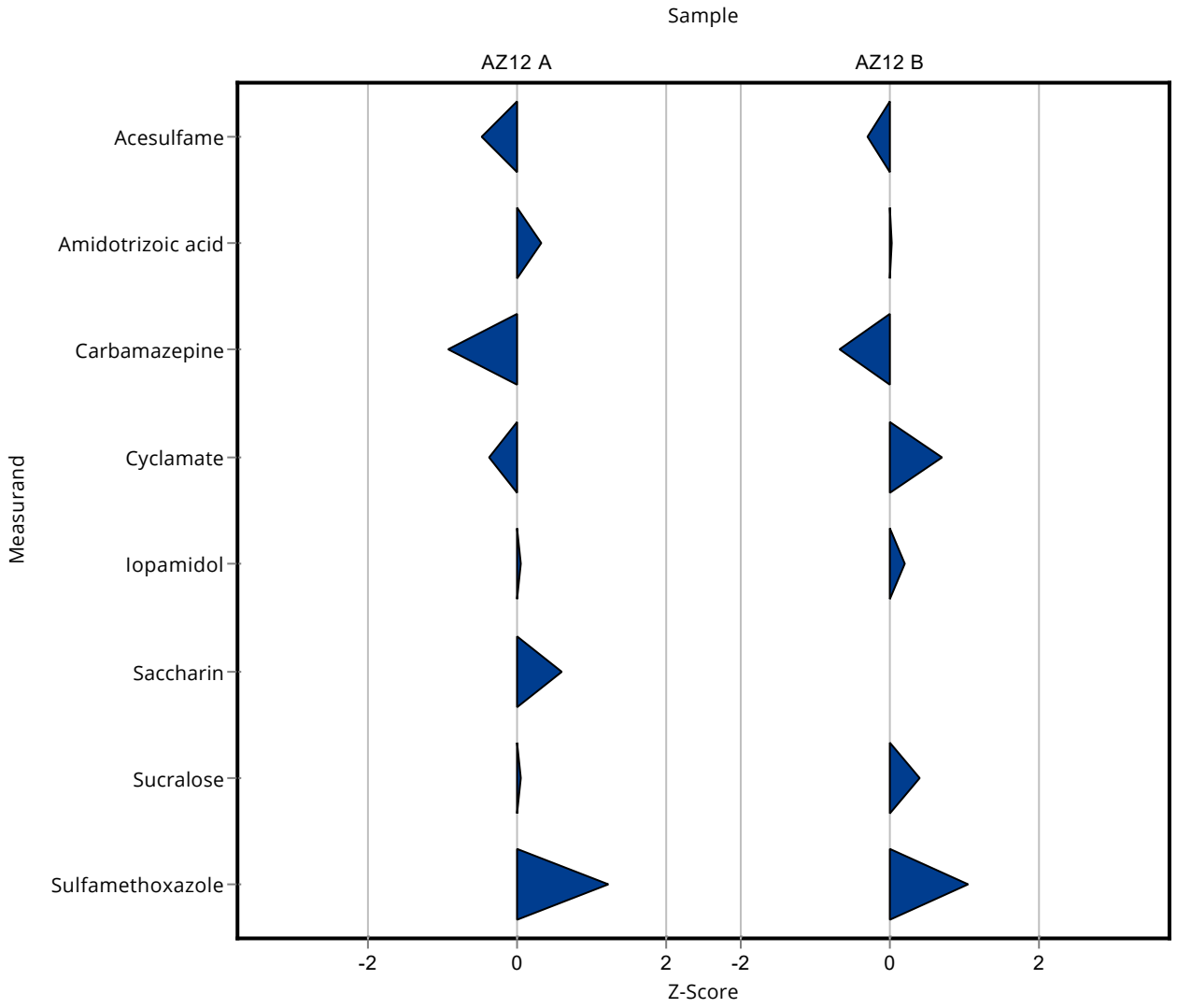
Summary of results Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12

Labcode: LC0010

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Bisoprolol	µg/l	- ± -	0.3911 ± 0.0575	-	-	-
Carbamazepine	µg/l	0.405 ± 0.0203	0.3697 ± 0.0732	0.0527	91.2	-0.67
Cyclamate	µg/l	0.16 ± 0.0189	0.1825 ± 0.0158	0.032	114	0.71
Diazepam	µg/l	- ± -	- ± -	-	-	-
Diclofenac	µg/l	3.24 ± 0.195	- ± -	0.454	-	-
Ibuprofen	µg/l	1.31 ± 0.127	- ± -	0.157	-	-
Iopamidol	µg/l	43.5 ± 2.59	45.6297 ± 4.2664	10	105	0.21
Metoprolol	µg/l	0.188 ± 0.0066	- ± -	0.0375	-	-
Saccharin	µg/l	- ± -	3.7561 ± 0.2629	-	-	-
Sotalol	µg/l	0.169 ± 0.0253	- ± -	0.0372	-	-
Sucralose	µg/l	26.2 ± 5.79	29.3813 ± 1.5131	8.11	112	0.40
Sulfamethoxazole	µg/l	0.339 ± 0.0397	0.4172 ± 0.0335	0.0745	123	1.05

Summary of results Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12

Labcode: LC0010



Summary of results Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12 - En-Score

Labcode: LC0010

Sample: AZ12A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
4-Formylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	- ± -	- ± -	-	-	-
Acesulfame	µg/l	0.245 ± 0.0196	0.2251 ± 0.0108	0.0416	91.9	-0.68
Amidotrizoic acid	µg/l	0.192 ± 0.0133	0.204 ± 0.0263	0.0384	106	0.22
Atenolol	µg/l	0.134 ± 0.00737	- ± -	0.0268	-	-
Benzotriazole	µg/l	0.294 ± 0.013	- ± -	0.0352	-	-
Bisoprolol	µg/l	- ± -	0.1625 ± 0.0239	-	-	-
Carbamazepine	µg/l	0.152 ± 0.0109	0.1341 ± 0.0265	0.0198	88.1	-0.33
Cyclamate	µg/l	0.174 ± 0.0371	0.1546 ± 0.0134	0.0522	88.8	-0.43
Diazepam	µg/l	- ± -	- ± -	-	-	-
Diclofenac	µg/l	0.152 ± 0.0295	- ± -	0.0545	-	-
Ibuprofen	µg/l	0.285 ± 0.0191	- ± -	0.0342	-	-
Iopamidol	µg/l	0.516 ± 0.0392	0.5217 ± 0.0488	0.119	101	0.06
Metoprolol	µg/l	0.159 ± 0.00712	- ± -	0.0319	-	-
Saccharin	µg/l	0.324 ± 0.0254	0.3523 ± 0.0247	0.0485	109	0.52
Sotalol	µg/l	0.194 ± 0.0195	- ± -	0.0427	-	-
Sucralose	µg/l	1.11 ± 0.132	1.1216 ± 0.0578	0.277	101	0.07
Sulfamethoxazole	µg/l	0.136 ± 0.00741	0.1561 ± 0.0125	0.0163	115	0.77

Sample: AZ12B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-

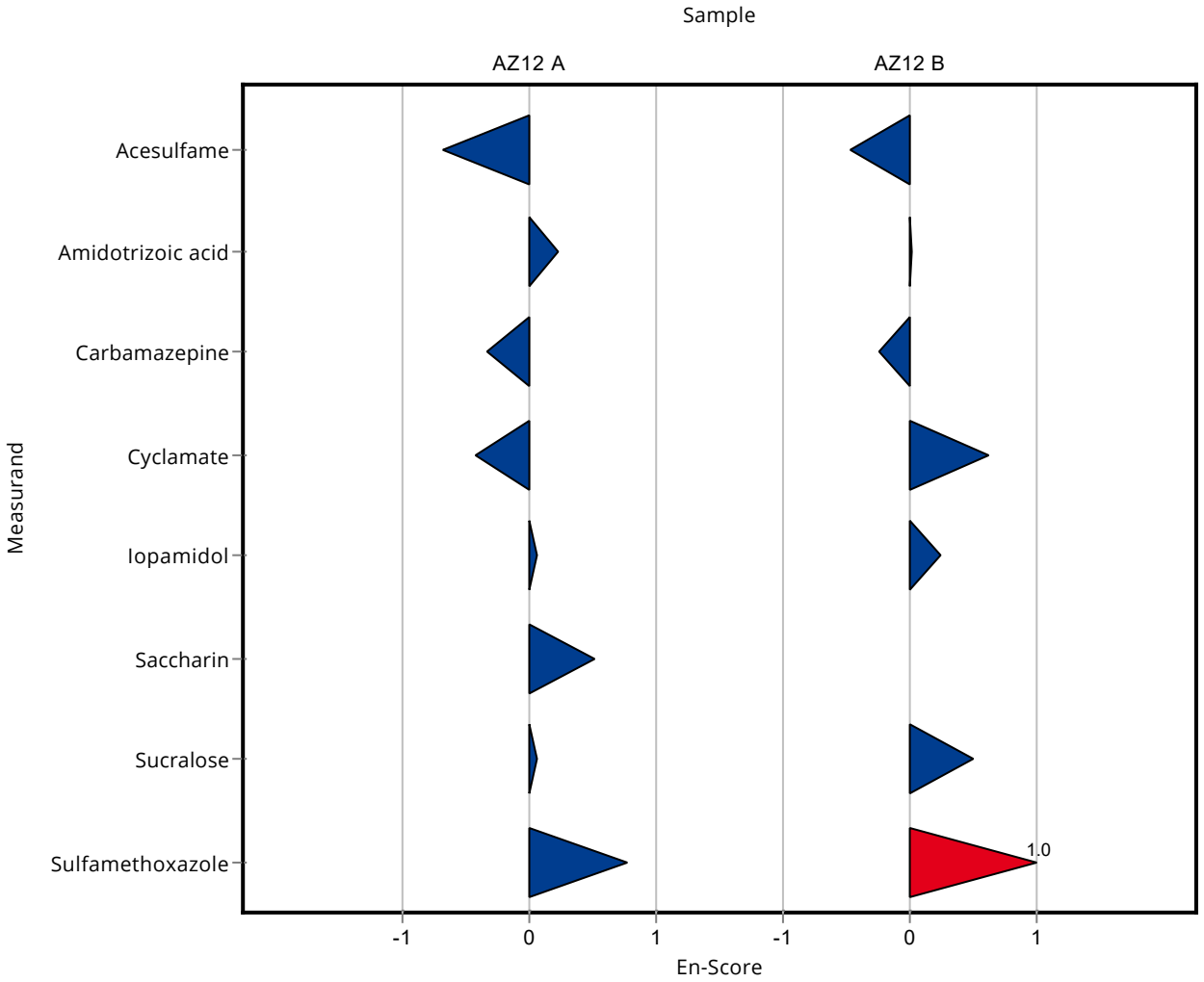
Summary of results Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12 - En-Score

Labcode: LC0010

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Formylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	- ± -	- ± -	-	-	-
Acesulfame	µg/l	1.09 ± 0.0597	1.0349 ± 0.0497	0.185	94.9	-0.48
Amidotrizoic acid	µg/l	1.19 ± 0.0758	1.1917 ± 0.1537	0.237	100	0.01
Atenolol	µg/l	0.222 ± 0.0313	- ± -	0.0445	-	-
Benzotriazole	µg/l	7.12 ± 0.405	- ± -	0.855	-	-
Bisoprolol	µg/l	- ± -	0.3911 ± 0.0575	-	-	-
Carbamazepine	µg/l	0.405 ± 0.0203	0.3697 ± 0.0732	0.0527	91.2	-0.24
Cyclamate	µg/l	0.16 ± 0.0189	0.1825 ± 0.0158	0.032	114	0.62
Diazepam	µg/l	- ± -	- ± -	-	-	-
Diclofenac	µg/l	3.24 ± 0.195	- ± -	0.454	-	-
Ibuprofen	µg/l	1.31 ± 0.127	- ± -	0.157	-	-
Iopamidol	µg/l	43.5 ± 2.59	45.6297 ± 4.2664	10	105	0.23
Metoprolol	µg/l	0.188 ± 0.0066	- ± -	0.0375	-	-
Saccharin	µg/l	- ± -	3.7561 ± 0.2629	-	-	-
Sotalol	µg/l	0.169 ± 0.0253	- ± -	0.0372	-	-
Sucralose	µg/l	26.2 ± 5.79	29.3813 ± 1.5131	8.11	112	0.49
Sulfamethoxazole	µg/l	0.339 ± 0.0397	0.4172 ± 0.0335	0.0745	123	1.01

Summary of results Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12 - En-Score

Labcode: LC0010



Summary of results Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12

Labcode: LC0011

Sample: AZ12A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	µg/l	- ± -	0.217 ± 0.0217	-	-	-
4-Formylaminoantipyrine	µg/l	- ± -	0.192 ± 0.0192	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	- ± -	- ± -	-	-	-
Acesulfame	µg/l	0.245 ± 0.0196	0.264 ± 0.0264	0.0416	108	0.46
Amidotrizoic acid	µg/l	0.192 ± 0.0133	0.215 ± 0.0215	0.0384	112	0.60
Atenolol	µg/l	0.134 ± 0.00737	0.1225 ± 0.01225	0.0268	91.3	-0.43
Benzotriazole	µg/l	0.294 ± 0.013	0.324 ± 0.0324	0.0352	110	0.86
Bisoprolol	µg/l	- ± -	0.158 ± 0.0158	-	-	-
Carbamazepine	µg/l	0.152 ± 0.0109	0.175 ± 0.0175	0.0198	115	1.15
Cyclamate	µg/l	0.174 ± 0.0371	0.142 ± 0.0142	0.0522	81.6	-0.61
Diazepam	µg/l	- ± -	0.487 ± 0.0487	-	-	-
Diclofenac	µg/l	0.152 ± 0.0295	0.134 ± 0.0134	0.0545	88.4	-0.32
Ibuprofen	µg/l	0.285 ± 0.0191	0.293 ± 0.0293	0.0342	103	0.24
Iopamidol	µg/l	0.516 ± 0.0392	0.517 ± 0.0517	0.119	100	0.01
Metoprolol	µg/l	0.159 ± 0.00712	0.166 ± 0.0166	0.0319	104	0.21
Saccharin	µg/l	0.324 ± 0.0254	0.348 ± 0.0348	0.0485	108	0.50
Sotalol	µg/l	0.194 ± 0.0195	0.1605 ± 0.01605	0.0427	82.8	-0.78
Sucralose	µg/l	1.11 ± 0.132	1.333 ± 0.1333	0.277	120	0.81
Sulfamethoxazole	µg/l	0.136 ± 0.00741	0.145 ± 0.0145	0.0163	107	0.55

Sample: AZ12B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	µg/l	- ± -	2.207 ± 0.2207	-	-	-
4-Formylaminoantipyrine	µg/l	- ± -	6.005 ± 0.6005	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	- ± -	- ± -	-	-	-
Acesulfame	µg/l	1.09 ± 0.0597	1.986 ± 0.1986	0.185	182	4.83
Amidotrizoic acid	µg/l	1.19 ± 0.0758	1.413 ± 0.1413	0.237	119	0.95
Atenolol	µg/l	0.222 ± 0.0313	0.2125 ± 0.02125	0.0445	95.5	-0.22
Benzotriazole	µg/l	7.12 ± 0.405	7.286 ± 0.7286	0.855	102	0.19

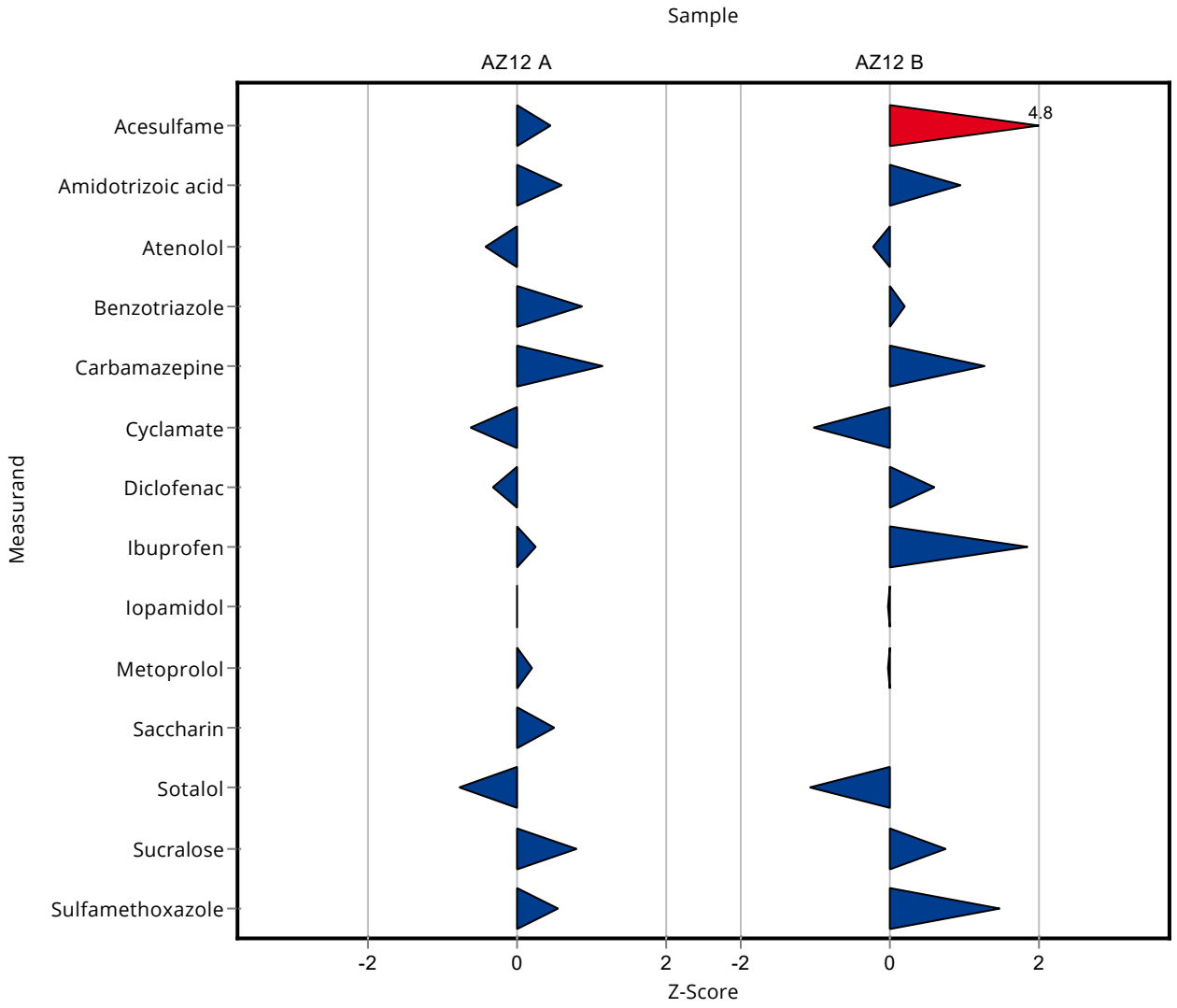
Summary of results Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12

Labcode: LC0011

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Bisoprolol	µg/l	- ± -	0.362 ± 0.0362	-	-	-
Carbamazepine	µg/l	0.405 ± 0.0203	0.472 ± 0.0472	0.0527	116	1.27
Cyclamate	µg/l	0.16 ± 0.0189	0.127 ± 0.0127	0.032	79.5	-1.03
Diazepam	µg/l	- ± -	0.531 ± 0.0531	-	-	-
Diclofenac	µg/l	3.24 ± 0.195	3.519 ± 0.3519	0.454	108	0.60
Ibuprofen	µg/l	1.31 ± 0.127	1.595 ± 0.1595	0.157	122	1.85
Iopamidol	µg/l	43.5 ± 2.59	43.2 ± 4.32	10	99.2	-0.03
Metoprolol	µg/l	0.188 ± 0.0066	0.187 ± 0.0187	0.0375	99.7	-0.02
Saccharin	µg/l	- ± -	5.294 ± 0.5294	-	-	-
Sotalol	µg/l	0.169 ± 0.0253	0.129 ± 0.0129	0.0372	76.2	-1.08
Sucralose	µg/l	26.2 ± 5.79	32.194 ± 3.2194	8.11	123	0.74
Sulfamethoxazole	µg/l	0.339 ± 0.0397	0.448 ± 0.0448	0.0745	132	1.47

Summary of results Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12

Labcode: LC0011



Summary of results Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12 - En-Score

Labcode: LC0011

Sample: AZ12A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	µg/l	- ± -	0.217 ± 0.0217	-	-	-
4-Formylaminoantipyrine	µg/l	- ± -	0.192 ± 0.0192	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	- ± -	- ± -	-	-	-
Acesulfame	µg/l	0.245 ± 0.0196	0.264 ± 0.0264	0.0416	108	0.34
Amidotrizoic acid	µg/l	0.192 ± 0.0133	0.215 ± 0.0215	0.0384	112	0.52
Atenolol	µg/l	0.134 ± 0.00737	0.1225 ± 0.01225	0.0268	91.3	-0.45
Benzotriazole	µg/l	0.294 ± 0.013	0.324 ± 0.0324	0.0352	110	0.46
Bisoprolol	µg/l	- ± -	0.158 ± 0.0158	-	-	-
Carbamazepine	µg/l	0.152 ± 0.0109	0.175 ± 0.0175	0.0198	115	0.62
Cyclamate	µg/l	0.174 ± 0.0371	0.142 ± 0.0142	0.0522	81.6	-0.69
Diazepam	µg/l	- ± -	0.487 ± 0.0487	-	-	-
Diclofenac	µg/l	0.152 ± 0.0295	0.134 ± 0.0134	0.0545	88.4	-0.44
Ibuprofen	µg/l	0.285 ± 0.0191	0.293 ± 0.0293	0.0342	103	0.14
Iopamidol	µg/l	0.516 ± 0.0392	0.517 ± 0.0517	0.119	100	0.01
Metoprolol	µg/l	0.159 ± 0.00712	0.166 ± 0.0166	0.0319	104	0.19
Saccharin	µg/l	0.324 ± 0.0254	0.348 ± 0.0348	0.0485	108	0.33
Sotalol	µg/l	0.194 ± 0.0195	0.1605 ± 0.01605	0.0427	82.8	-0.89
Sucralose	µg/l	1.11 ± 0.132	1.333 ± 0.1333	0.277	120	0.75
Sulfamethoxazole	µg/l	0.136 ± 0.00741	0.145 ± 0.0145	0.0163	107	0.30

Sample: AZ12B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	µg/l	- ± -	2.207 ± 0.2207	-	-	-

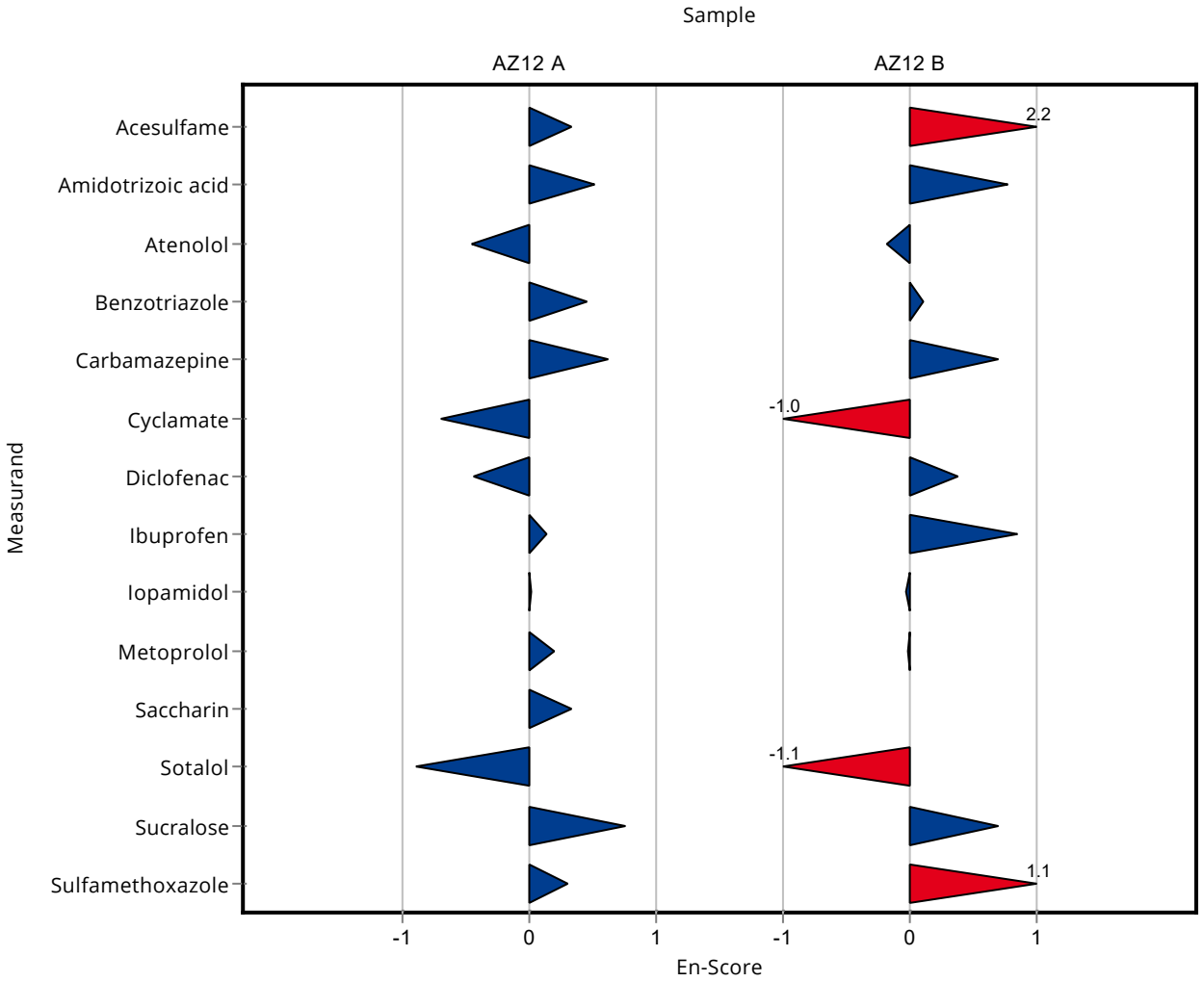
Summary of results Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12 - En-Score

Labcode: LC0011

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Formylaminoantipyrine	µg/l	- ± -	6.005 ± 0.6005	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	- ± -	- ± -	-	-	-
Acesulfame	µg/l	1.09 ± 0.0597	1.986 ± 0.1986	0.185	182	2.23
Amidotrizoic acid	µg/l	1.19 ± 0.0758	1.413 ± 0.1413	0.237	119	0.77
Atenolol	µg/l	0.222 ± 0.0313	0.2125 ± 0.02125	0.0445	95.5	-0.19
Benzotriazole	µg/l	7.12 ± 0.405	7.286 ± 0.7286	0.855	102	0.11
Bisoprolol	µg/l	- ± -	0.362 ± 0.0362	-	-	-
Carbamazepine	µg/l	0.405 ± 0.0203	0.472 ± 0.0472	0.0527	116	0.69
Cyclamate	µg/l	0.16 ± 0.0189	0.127 ± 0.0127	0.032	79.5	-1.03
Diazepam	µg/l	- ± -	0.531 ± 0.0531	-	-	-
Diclofenac	µg/l	3.24 ± 0.195	3.519 ± 0.3519	0.454	108	0.38
Ibuprofen	µg/l	1.31 ± 0.127	1.595 ± 0.1595	0.157	122	0.84
Iopamidol	µg/l	43.5 ± 2.59	43.2 ± 4.32	10	99.2	-0.04
Metoprolol	µg/l	0.188 ± 0.0066	0.187 ± 0.0187	0.0375	99.7	-0.02
Saccharin	µg/l	- ± -	5.294 ± 0.5294	-	-	-
Sotalol	µg/l	0.169 ± 0.0253	0.129 ± 0.0129	0.0372	76.2	-1.11
Sucralose	µg/l	26.2 ± 5.79	32.194 ± 3.2194	8.11	123	0.70
Sulfamethoxazole	µg/l	0.339 ± 0.0397	0.448 ± 0.0448	0.0745	132	1.12

Summary of results Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12 - En-Score

Labcode: LC0011



Summary of results Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12

Labcode: LC0012

Sample: AZ12A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	µg/l	- ± -	0.26 ± 0.03042	-	-	-
4-Formylaminoantipyrine	µg/l	- ± -	0.295 ± 0.02596	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	- ± -	0.361 ± 0.047291	-	-	-
Acesulfame	µg/l	0.245 ± 0.0196	0.26 ± 0.078	0.0416	106	0.36
Amidotrizoic acid	µg/l	0.192 ± 0.0133	0.219 ± 0.07227	0.0384	114	0.71
Atenolol	µg/l	0.134 ± 0.00737	0.144 ± 0.022896	0.0268	107	0.37
Benzotriazole	µg/l	0.294 ± 0.013	0.268 ± 0.02948	0.0352	91.3	-0.73
Bisoprolol	µg/l	- ± -	0.143 ± 0.013385	-	-	-
Carbamazepine	µg/l	0.152 ± 0.0109	0.189 ± 0.007371	0.0198	124	1.86
Cyclamate	µg/l	0.174 ± 0.0371	- ± -	0.0522	-	-
Diazepam	µg/l	- ± -	0.434 ± 0.025519	-	-	-
Diclofenac	µg/l	0.152 ± 0.0295	0.162 ± 0.013559	0.0545	107	0.19
Ibuprofen	µg/l	0.285 ± 0.0191	0.271 ± 0.088346	0.0342	95.2	-0.40
Iopamidol	µg/l	0.516 ± 0.0392	0.447 ± 0.20562	0.119	86.7	-0.58
Metoprolol	µg/l	0.159 ± 0.00712	0.17 ± 0.01717	0.0319	107	0.33
Saccharin	µg/l	0.324 ± 0.0254	- ± -	0.0485	-	-
Sotalol	µg/l	0.194 ± 0.0195	0.207 ± 0.032913	0.0427	107	0.31
Sucralose	µg/l	1.11 ± 0.132	- ± -	0.277	-	-
Sulfamethoxazole	µg/l	0.136 ± 0.00741	0.227 ± 0.026105	0.0163	167	5.57

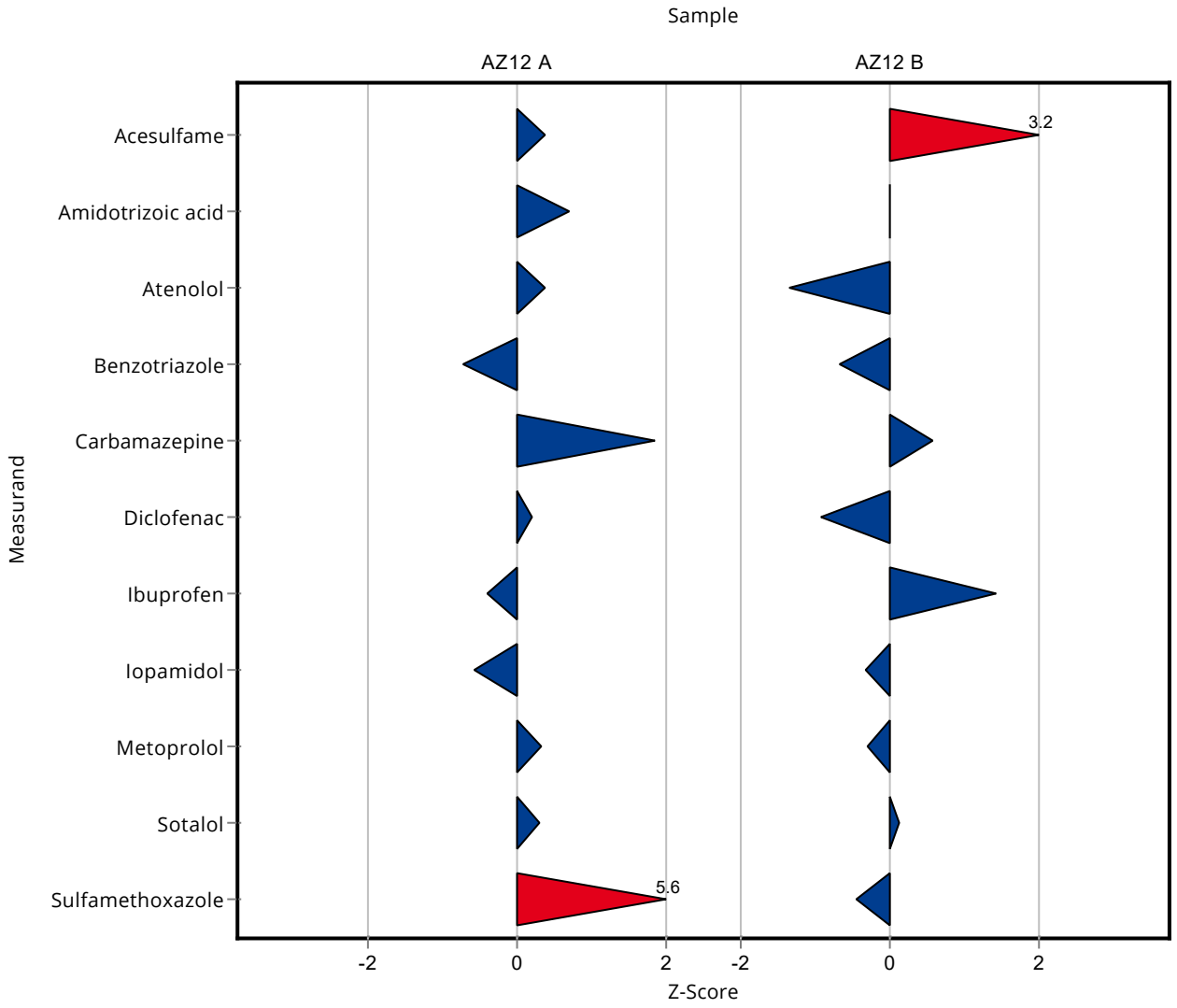
Sample: AZ12B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	µg/l	- ± -	2.11 ± 0.24687	-	-	-
4-Formylaminoantipyrine	µg/l	- ± -	8.2 ± 0.7216	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	- ± -	1.03 ± 0.13493	-	-	-
Acesulfame	µg/l	1.09 ± 0.0597	1.68 ± 0.504	0.185	154	3.18
Amidotrizoic acid	µg/l	1.19 ± 0.0758	1.19 ± 0.3927	0.237	100	0.01
Atenolol	µg/l	0.222 ± 0.0313	0.162 ± 0.027702	0.0445	72.8	-1.36
Benzotriazole	µg/l	7.12 ± 0.405	6.55 ± 0.7205	0.855	92	-0.67

Summary of results Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12

Labcode: LC0012

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Bisoprolol	µg/l	- ± -	0.344 ± 0.032198	-	-	-
Carbamazepine	µg/l	0.405 ± 0.0203	0.435 ± 0.016965	0.0527	107	0.57
Cyclamate	µg/l	0.16 ± 0.0189	- ± -	0.032	-	-
Diazepam	µg/l	- ± -	0.514 ± 0.030223	-	-	-
Diclofenac	µg/l	3.24 ± 0.195	2.83 ± 0.236871	0.454	87.2	-0.91
Ibuprofen	µg/l	1.31 ± 0.127	1.53 ± 0.49878	0.157	117	1.43
Iopamidol	µg/l	43.5 ± 2.59	40.2 ± 18.492	10	92.3	-0.33
Metoprolol	µg/l	0.188 ± 0.0066	0.176 ± 0.017776	0.0375	93.8	-0.31
Saccharin	µg/l	- ± -	- ± -	-	-	-
Sotalol	µg/l	0.169 ± 0.0253	0.174 ± 0.027666	0.0372	103	0.13
Sucralose	µg/l	26.2 ± 5.79	- ± -	8.11	-	-
Sulfamethoxazole	µg/l	0.339 ± 0.0397	0.305 ± 0.035075	0.0745	90.1	-0.45


Sample
AZ12 A
AZ12 B
Acesulfame
Amidotrizoic acid
Atenolol
Benzotriazole
Carbamazepine
Diclofenac
Ibuprofen
Iopamidol
Metoprolol
Sotalol
Sulfamethoxazole
Measurand
3.2
5.6
-2
0
2
-2
0
2
Z-Score

Summary of results Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12 - En-Score

Labcode: LC0012

Sample: AZ12A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	µg/l	- ± -	0.26 ± 0.03042	-	-	-
4-Formylaminoantipyrine	µg/l	- ± -	0.295 ± 0.02596	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	- ± -	0.361 ± 0.047291	-	-	-
Acesulfame	µg/l	0.245 ± 0.0196	0.26 ± 0.078	0.0416	106	0.10
Amidotrizoic acid	µg/l	0.192 ± 0.0133	0.219 ± 0.07227	0.0384	114	0.19
Atenolol	µg/l	0.134 ± 0.00737	0.144 ± 0.022896	0.0268	107	0.21
Benzotriazole	µg/l	0.294 ± 0.013	0.268 ± 0.02948	0.0352	91.3	-0.42
Bisoprolol	µg/l	- ± -	0.143 ± 0.013385	-	-	-
Carbamazepine	µg/l	0.152 ± 0.0109	0.189 ± 0.007371	0.0198	124	2.01
Cyclamate	µg/l	0.174 ± 0.0371	- ± -	0.0522	-	-
Diazepam	µg/l	- ± -	0.434 ± 0.025519	-	-	-
Diclofenac	µg/l	0.152 ± 0.0295	0.162 ± 0.013559	0.0545	107	0.26
Ibuprofen	µg/l	0.285 ± 0.0191	0.271 ± 0.088346	0.0342	95.2	-0.08
Iopamidol	µg/l	0.516 ± 0.0392	0.447 ± 0.20562	0.119	86.7	-0.17
Metoprolol	µg/l	0.159 ± 0.00712	0.17 ± 0.01717	0.0319	107	0.30
Saccharin	µg/l	0.324 ± 0.0254	- ± -	0.0485	-	-
Sotalol	µg/l	0.194 ± 0.0195	0.207 ± 0.032913	0.0427	107	0.19
Sucralose	µg/l	1.11 ± 0.132	- ± -	0.277	-	-
Sulfamethoxazole	µg/l	0.136 ± 0.00741	0.227 ± 0.026105	0.0163	167	1.72

Sample: AZ12B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	µg/l	- ± -	2.11 ± 0.24687	-	-	-

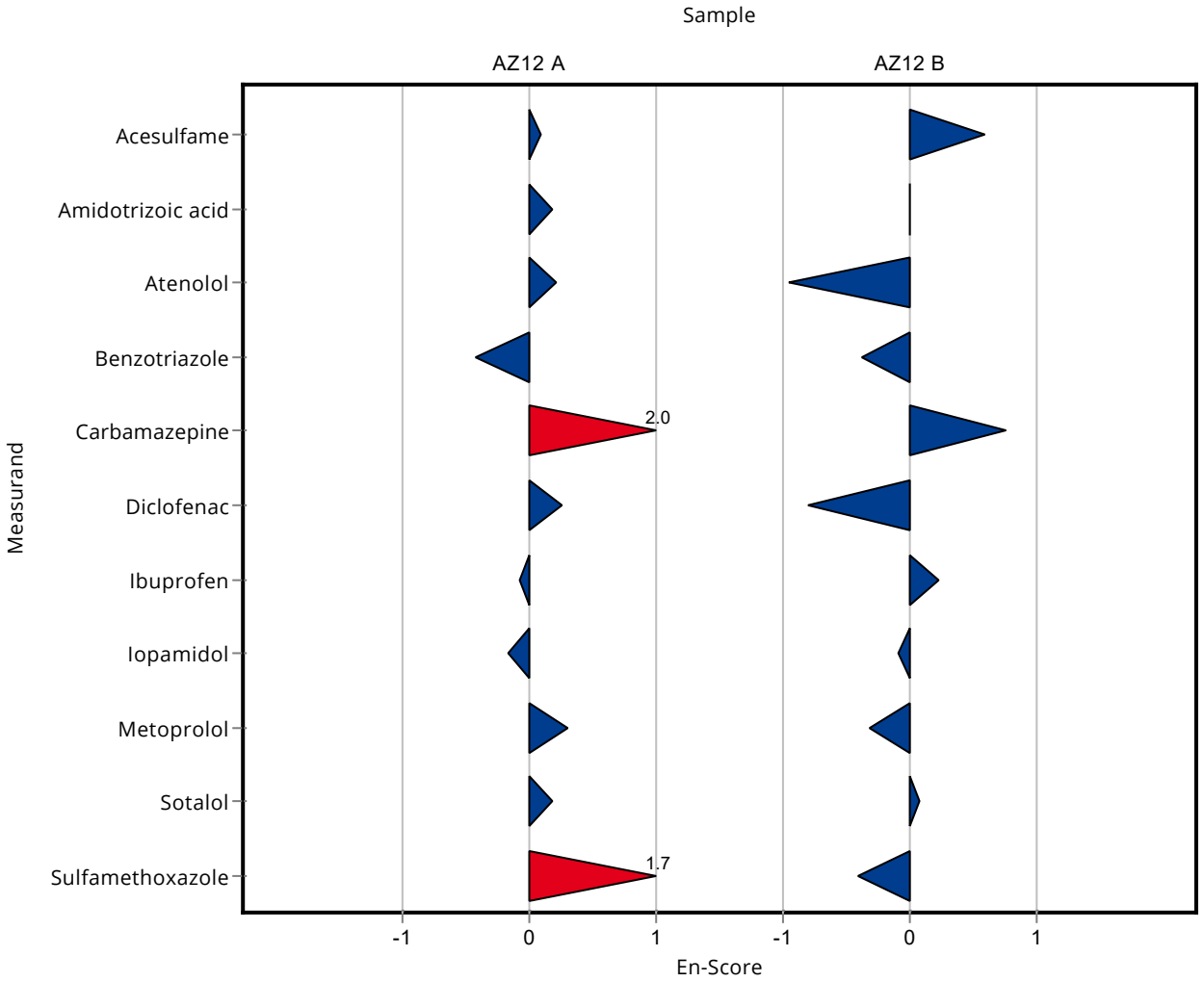
Summary of results Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12 - En-Score

Labcode: LC0012

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Formylaminoantipyrine	µg/l	- ± -	8.2 ± 0.7216	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	- ± -	1.03 ± 0.13493	-	-	-
Acesulfame	µg/l	1.09 ± 0.0597	1.68 ± 0.504	0.185	154	0.58
Amidotrizoic acid	µg/l	1.19 ± 0.0758	1.19 ± 0.3927	0.237	100	0.00
Atenolol	µg/l	0.222 ± 0.0313	0.162 ± 0.027702	0.0445	72.8	-0.95
Benzotriazole	µg/l	7.12 ± 0.405	6.55 ± 0.7205	0.855	92	-0.38
Bisoprolol	µg/l	- ± -	0.344 ± 0.032198	-	-	-
Carbamazepine	µg/l	0.405 ± 0.0203	0.435 ± 0.016965	0.0527	107	0.75
Cyclamate	µg/l	0.16 ± 0.0189	- ± -	0.032	-	-
Diazepam	µg/l	- ± -	0.514 ± 0.030223	-	-	-
Diclofenac	µg/l	3.24 ± 0.195	2.83 ± 0.236871	0.454	87.2	-0.81
Ibuprofen	µg/l	1.31 ± 0.127	1.53 ± 0.49878	0.157	117	0.22
Iopamidol	µg/l	43.5 ± 2.59	40.2 ± 18.492	10	92.3	-0.09
Metoprolol	µg/l	0.188 ± 0.0066	0.176 ± 0.017776	0.0375	93.8	-0.32
Saccharin	µg/l	- ± -	- ± -	-	-	-
Sotalol	µg/l	0.169 ± 0.0253	0.174 ± 0.027666	0.0372	103	0.08
Sucralose	µg/l	26.2 ± 5.79	- ± -	8.11	-	-
Sulfamethoxazole	µg/l	0.339 ± 0.0397	0.305 ± 0.035075	0.0745	90.1	-0.42

Summary of results Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12 - En-Score

Labcode: LC0012



Summary of results Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12

Labcode: LC0013

Sample: AZ12A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
4-Formylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	- ± -	- ± -	-	-	-
Acesulfame	µg/l	0.245 ± 0.0196	0.241 ± 0.043	0.0416	98.4	-0.09
Amidotrizoic acid	µg/l	0.192 ± 0.0133	0.189 ± 0.051	0.0384	98.5	-0.07
Atenolol	µg/l	0.134 ± 0.00737	- ± -	0.0268	-	-
Benzotriazole	µg/l	0.294 ± 0.013	- ± -	0.0352	-	-
Bisoprolol	µg/l	- ± -	- ± -	-	-	-
Carbamazepine	µg/l	0.152 ± 0.0109	- ± -	0.0198	-	-
Cyclamate	µg/l	0.174 ± 0.0371	0.153 ± 0.024	0.0522	87.9	-0.40
Diazepam	µg/l	- ± -	- ± -	-	-	-
Diclofenac	µg/l	0.152 ± 0.0295	- ± -	0.0545	-	-
Ibuprofen	µg/l	0.285 ± 0.0191	- ± -	0.0342	-	-
Iopamidol	µg/l	0.516 ± 0.0392	0.478 ± 0.129	0.119	92.7	-0.32
Metoprolol	µg/l	0.159 ± 0.00712	- ± -	0.0319	-	-
Saccharin	µg/l	0.324 ± 0.0254	0.336 ± 0.077	0.0485	104	0.26
Sotalol	µg/l	0.194 ± 0.0195	- ± -	0.0427	-	-
Sucralose	µg/l	1.11 ± 0.132	1.248 ± 0.312	0.277	112	0.50
Sulfamethoxazole	µg/l	0.136 ± 0.00741	- ± -	0.0163	-	-

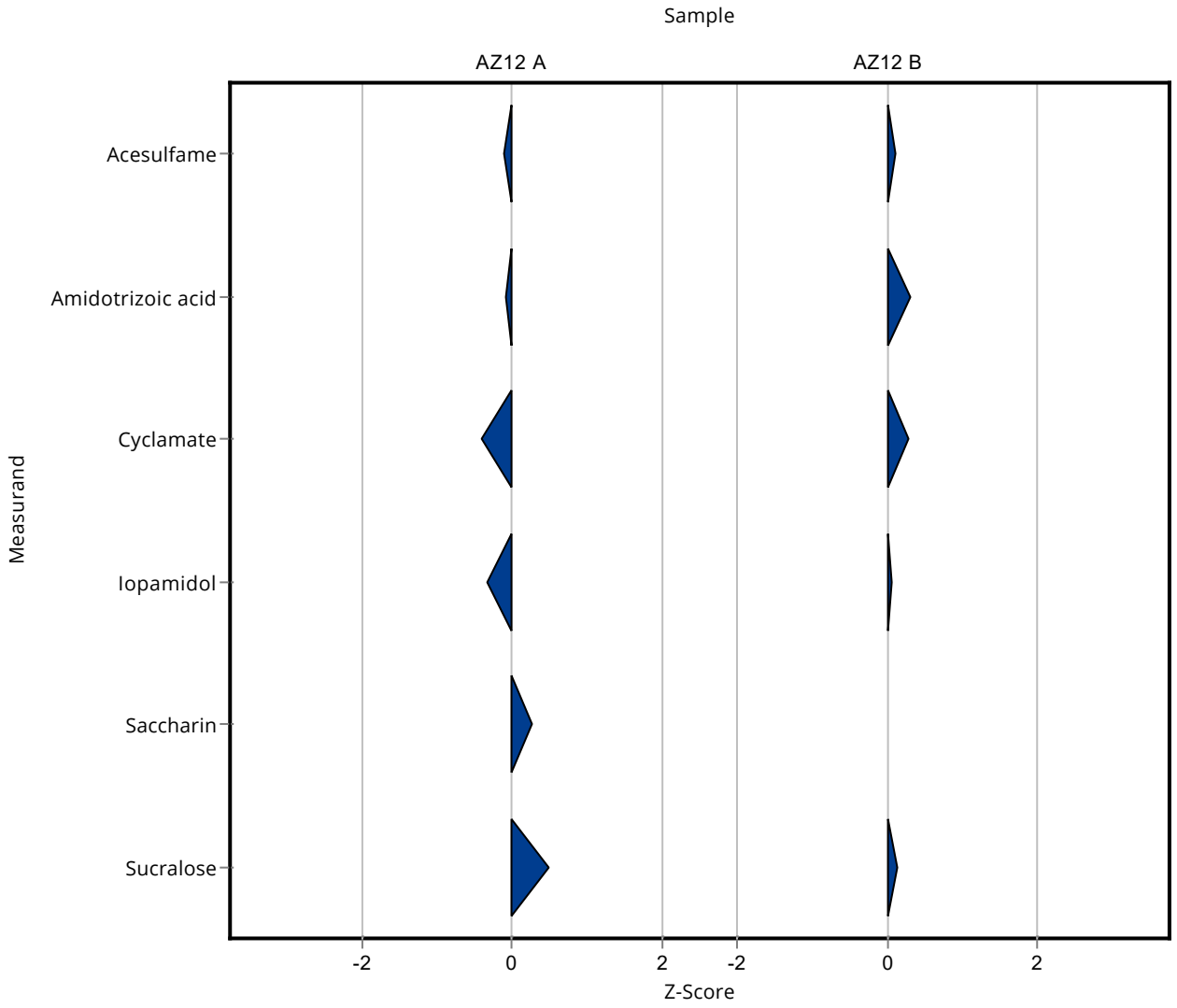
Sample: AZ12B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
4-Formylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	- ± -	- ± -	-	-	-
Acesulfame	µg/l	1.09 ± 0.0597	1.108 ± 0.199	0.185	102	0.09
Amidotrizoic acid	µg/l	1.19 ± 0.0758	1.261 ± 0.34	0.237	106	0.31
Atenolol	µg/l	0.222 ± 0.0313	- ± -	0.0445	-	-
Benzotriazole	µg/l	7.12 ± 0.405	- ± -	0.855	-	-

Summary of results Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12

Labcode: LC0013

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Bisoprolol	µg/l	- ± -	- ± -	-	-	-
Carbamazepine	µg/l	0.405 ± 0.0203	- ± -	0.0527	-	-
Cyclamate	µg/l	0.16 ± 0.0189	0.169 ± 0.027	0.032	106	0.29
Diazepam	µg/l	- ± -	- ± -	-	-	-
Diclofenac	µg/l	3.24 ± 0.195	- ± -	0.454	-	-
Ibuprofen	µg/l	1.31 ± 0.127	- ± -	0.157	-	-
Iopamidol	µg/l	43.5 ± 2.59	44.17 ± 11.926	10	101	0.06
Metoprolol	µg/l	0.188 ± 0.0066	- ± -	0.0375	-	-
Saccharin	µg/l	- ± -	3.72 ± 0.856	-	-	-
Sotalol	µg/l	0.169 ± 0.0253	- ± -	0.0372	-	-
Sucralose	µg/l	26.2 ± 5.79	27.24 ± 6.81	8.11	104	0.13
Sulfamethoxazole	µg/l	0.339 ± 0.0397	- ± -	0.0745	-	-


Sample
AZ12 A
AZ12 B
Acesulfame
Amidotrizoic acid
Cyclamate
Iopamidol
Saccharin
Sucralose
Measurand
-2
0
2
-2
0
2
Z-Score

Summary of results Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12 - En-Score

Labcode: LC0013

Sample: AZ12A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
4-Formylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	- ± -	- ± -	-	-	-
Acesulfame	µg/l	0.245 ± 0.0196	0.241 ± 0.043	0.0416	98.4	-0.04
Amidotrizoic acid	µg/l	0.192 ± 0.0133	0.189 ± 0.051	0.0384	98.5	-0.03
Atenolol	µg/l	0.134 ± 0.00737	- ± -	0.0268	-	-
Benzotriazole	µg/l	0.294 ± 0.013	- ± -	0.0352	-	-
Bisoprolol	µg/l	- ± -	- ± -	-	-	-
Carbamazepine	µg/l	0.152 ± 0.0109	- ± -	0.0198	-	-
Cyclamate	µg/l	0.174 ± 0.0371	0.153 ± 0.024	0.0522	87.9	-0.35
Diazepam	µg/l	- ± -	- ± -	-	-	-
Diclofenac	µg/l	0.152 ± 0.0295	- ± -	0.0545	-	-
Ibuprofen	µg/l	0.285 ± 0.0191	- ± -	0.0342	-	-
Iopamidol	µg/l	0.516 ± 0.0392	0.478 ± 0.129	0.119	92.7	-0.14
Metoprolol	µg/l	0.159 ± 0.00712	- ± -	0.0319	-	-
Saccharin	µg/l	0.324 ± 0.0254	0.336 ± 0.077	0.0485	104	0.08
Sotalol	µg/l	0.194 ± 0.0195	- ± -	0.0427	-	-
Sucralose	µg/l	1.11 ± 0.132	1.248 ± 0.312	0.277	112	0.22
Sulfamethoxazole	µg/l	0.136 ± 0.00741	- ± -	0.0163	-	-

Sample: AZ12B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-

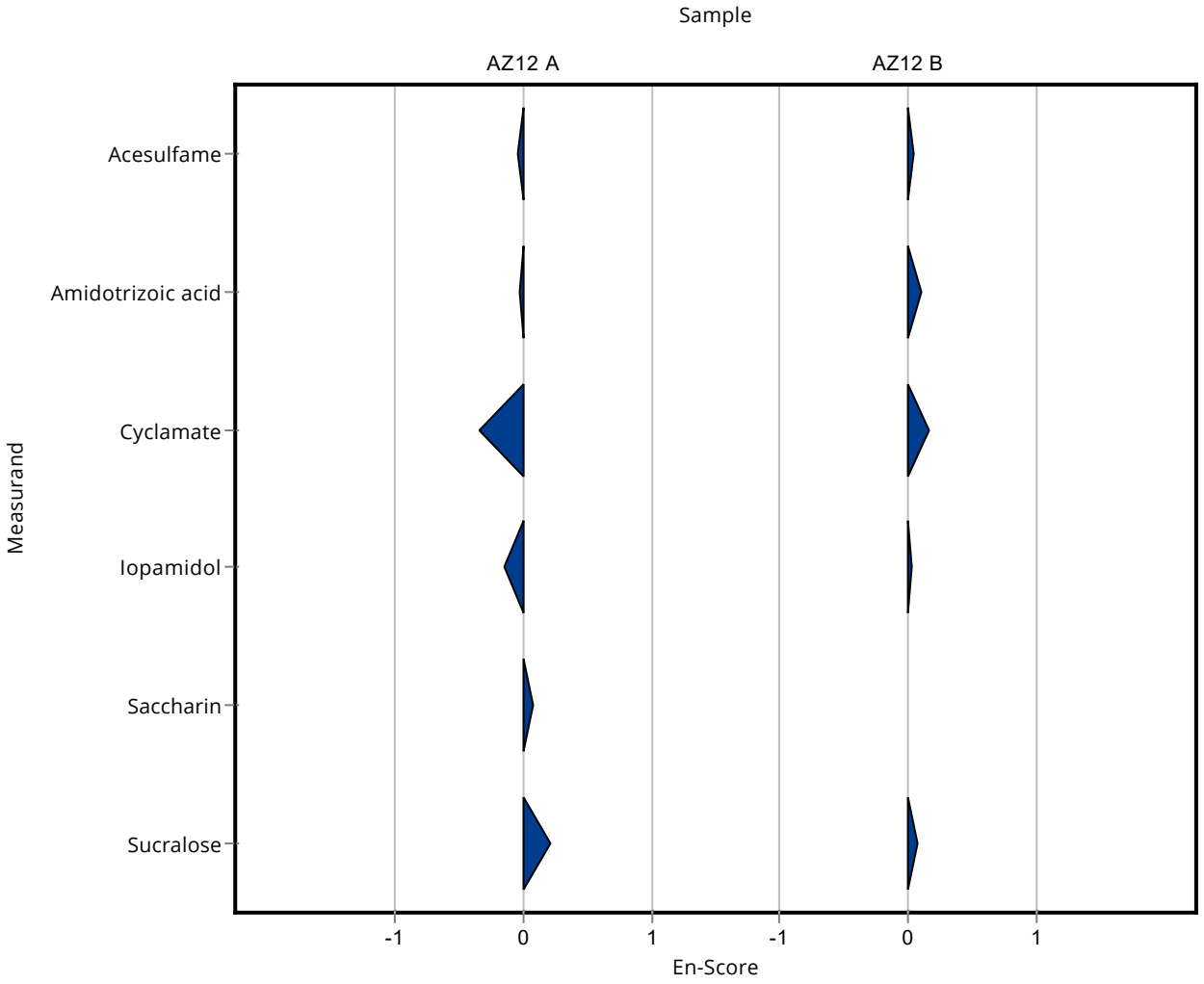
Summary of results Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12 - En-Score

Labcode: LC0013

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Formylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	- ± -	- ± -	-	-	-
Acesulfame	µg/l	1.09 ± 0.0597	1.108 ± 0.199	0.185	102	0.04
Amidotrizoic acid	µg/l	1.19 ± 0.0758	1.261 ± 0.34	0.237	106	0.11
Atenolol	µg/l	0.222 ± 0.0313	- ± -	0.0445	-	-
Benzotriazole	µg/l	7.12 ± 0.405	- ± -	0.855	-	-
Bisoprolol	µg/l	- ± -	- ± -	-	-	-
Carbamazepine	µg/l	0.405 ± 0.0203	- ± -	0.0527	-	-
Cyclamate	µg/l	0.16 ± 0.0189	0.169 ± 0.027	0.032	106	0.16
Diazepam	µg/l	- ± -	- ± -	-	-	-
Diclofenac	µg/l	3.24 ± 0.195	- ± -	0.454	-	-
Ibuprofen	µg/l	1.31 ± 0.127	- ± -	0.157	-	-
Iopamidol	µg/l	43.5 ± 2.59	44.17 ± 11.926	10	101	0.03
Metoprolol	µg/l	0.188 ± 0.0066	- ± -	0.0375	-	-
Saccharin	µg/l	- ± -	3.72 ± 0.856	-	-	-
Sotalol	µg/l	0.169 ± 0.0253	- ± -	0.0372	-	-
Sucralose	µg/l	26.2 ± 5.79	27.24 ± 6.81	8.11	104	0.07
Sulfamethoxazole	µg/l	0.339 ± 0.0397	- ± -	0.0745	-	-

Summary of results Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12 - En-Score

Labcode: LC0013



Summary of results Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12

Labcode: LC0014

Sample: AZ12A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
4-Formylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	- ± -	- ± -	-	-	-
Acesulfame	µg/l	0.245 ± 0.0196	0.268 ± 0.054	0.0416	109	0.56
Amidotrizoic acid	µg/l	0.192 ± 0.0133	0.188 ± 0.038	0.0384	98	-0.10
Atenolol	µg/l	0.134 ± 0.00737	- ± -	0.0268	-	-
Benzotriazole	µg/l	0.294 ± 0.013	0.296 ± 0.059	0.0352	101	0.07
Bisoprolol	µg/l	- ± -	- ± -	-	-	-
Carbamazepine	µg/l	0.152 ± 0.0109	0.139 ± 0.028	0.0198	91.3	-0.67
Cyclamate	µg/l	0.174 ± 0.0371	0.265 ± 0.053	0.0522	152	1.74
Diazepam	µg/l	- ± -	0.434 ± 0.087	-	-	-
Diclofenac	µg/l	0.152 ± 0.0295	0.134 ± 0.027	0.0545	88.4	-0.32
Ibuprofen	µg/l	0.285 ± 0.0191	- ± -	0.0342	-	-
Iopamidol	µg/l	0.516 ± 0.0392	0.526 ± 0.105	0.119	102	0.09
Metoprolol	µg/l	0.159 ± 0.00712	0.157 ± 0.031	0.0319	98.5	-0.07
Saccharin	µg/l	0.324 ± 0.0254	0.289 ± 0.058	0.0485	89.3	-0.71
Sotalol	µg/l	0.194 ± 0.0195	0.204 ± 0.041	0.0427	105	0.24
Sucralose	µg/l	1.11 ± 0.132	0.96 ± 0.192	0.277	86.5	-0.54
Sulfamethoxazole	µg/l	0.136 ± 0.00741	0.13 ± 0.026	0.0163	95.5	-0.37

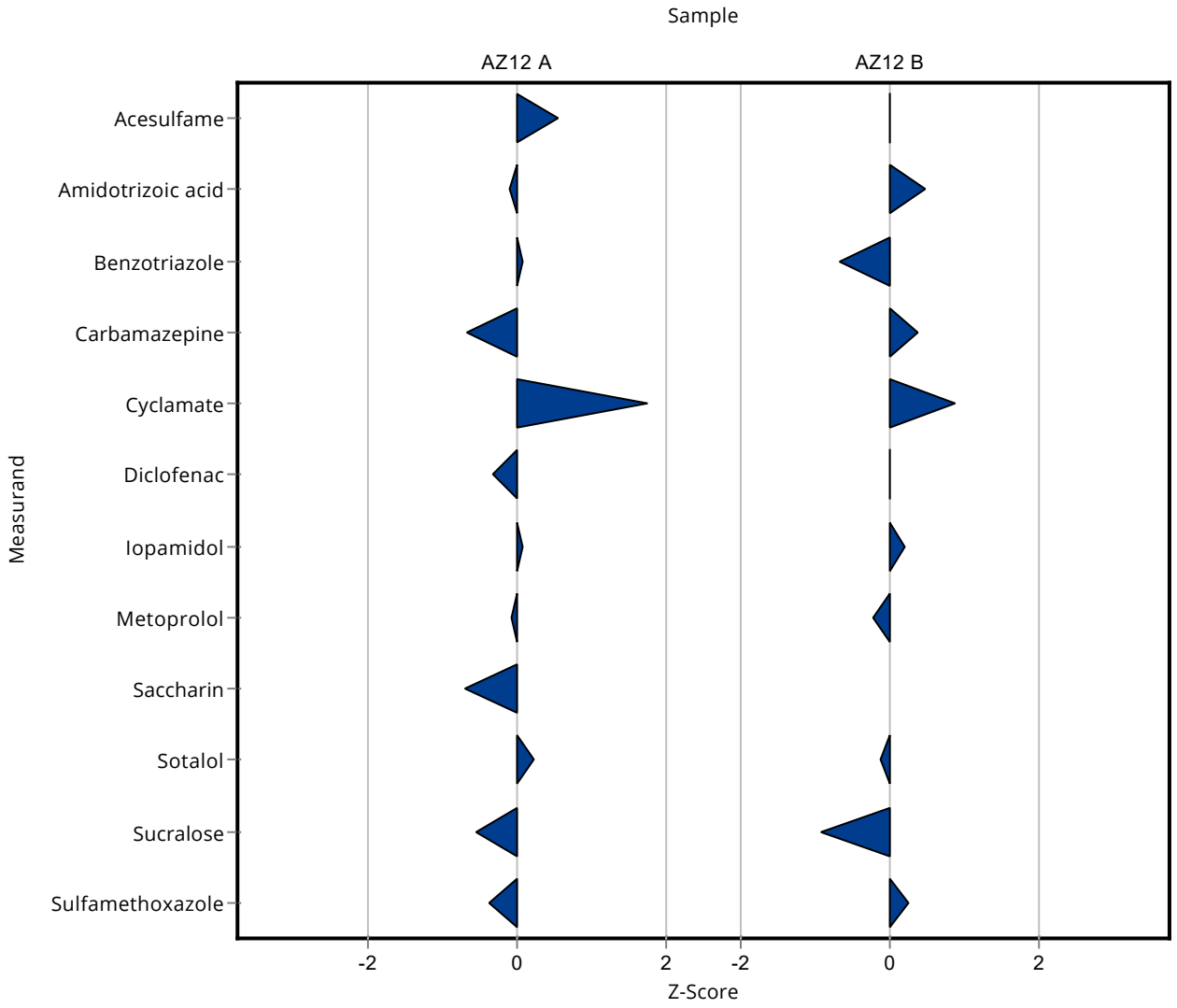
Sample: AZ12B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
4-Formylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	- ± -	- ± -	-	-	-
Acesulfame	µg/l	1.09 ± 0.0597	1.09 ± 0.218	0.185	100	0.00
Amidotrizoic acid	µg/l	1.19 ± 0.0758	1.3 ± 0.26	0.237	109	0.47
Atenolol	µg/l	0.222 ± 0.0313	- ± -	0.0445	-	-
Benzotriazole	µg/l	7.12 ± 0.405	6.54 ± 1.31	0.855	91.8	-0.68

Summary of results Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12

Labcode: LC0014

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Bisoprolol	µg/l	- ± -	- ± -	-	-	-
Carbamazepine	µg/l	0.405 ± 0.0203	0.425 ± 0.085	0.0527	105	0.38
Cyclamate	µg/l	0.16 ± 0.0189	0.188 ± 0.038	0.032	118	0.88
Diazepam	µg/l	- ± -	0.511 ± 0.102	-	-	-
Diclofenac	µg/l	3.24 ± 0.195	3.25 ± 0.65	0.454	100	0.01
Ibuprofen	µg/l	1.31 ± 0.127	- ± -	0.157	-	-
Iopamidol	µg/l	43.5 ± 2.59	45.5 ± 9.1	10	104	0.19
Metoprolol	µg/l	0.188 ± 0.0066	0.179 ± 0.036	0.0375	95.4	-0.23
Saccharin	µg/l	- ± -	3.05 ± 0.61	-	-	-
Sotalol	µg/l	0.169 ± 0.0253	0.165 ± 0.033	0.0372	97.5	-0.11
Sucralose	µg/l	26.2 ± 5.79	18.7 ± 3.74	8.11	71.5	-0.92
Sulfamethoxazole	µg/l	0.339 ± 0.0397	0.358 ± 0.072	0.0745	106	0.26


Sample
AZ12 A
AZ12 B
Acesulfame
Amidotrizoic acid
Benzotriazole
Carbamazepine
Cyclamate
Diclofenac
Iopamidol
Metoprolol
Saccharin
Sotalol
Sucralose
Sulfamethoxazole
Measurand
-2
0
2
-2
0
2
Z-Score

Summary of results Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12 - En-Score

Labcode: LC0014

Sample: AZ12A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
4-Formylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	- ± -	- ± -	-	-	-
Acesulfame	µg/l	0.245 ± 0.0196	0.268 ± 0.054	0.0416	109	0.21
Amidotrizoic acid	µg/l	0.192 ± 0.0133	0.188 ± 0.038	0.0384	98	-0.05
Atenolol	µg/l	0.134 ± 0.00737	- ± -	0.0268	-	-
Benzotriazole	µg/l	0.294 ± 0.013	0.296 ± 0.059	0.0352	101	0.02
Bisoprolol	µg/l	- ± -	- ± -	-	-	-
Carbamazepine	µg/l	0.152 ± 0.0109	0.139 ± 0.028	0.0198	91.3	-0.23
Cyclamate	µg/l	0.174 ± 0.0371	0.265 ± 0.053	0.0522	152	0.81
Diazepam	µg/l	- ± -	0.434 ± 0.087	-	-	-
Diclofenac	µg/l	0.152 ± 0.0295	0.134 ± 0.027	0.0545	88.4	-0.28
Ibuprofen	µg/l	0.285 ± 0.0191	- ± -	0.0342	-	-
Iopamidol	µg/l	0.516 ± 0.0392	0.526 ± 0.105	0.119	102	0.05
Metoprolol	µg/l	0.159 ± 0.00712	0.157 ± 0.031	0.0319	98.5	-0.04
Saccharin	µg/l	0.324 ± 0.0254	0.289 ± 0.058	0.0485	89.3	-0.29
Sotalol	µg/l	0.194 ± 0.0195	0.204 ± 0.041	0.0427	105	0.12
Sucralose	µg/l	1.11 ± 0.132	0.96 ± 0.192	0.277	86.5	-0.37
Sulfamethoxazole	µg/l	0.136 ± 0.00741	0.13 ± 0.026	0.0163	95.5	-0.12

Sample: AZ12B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-

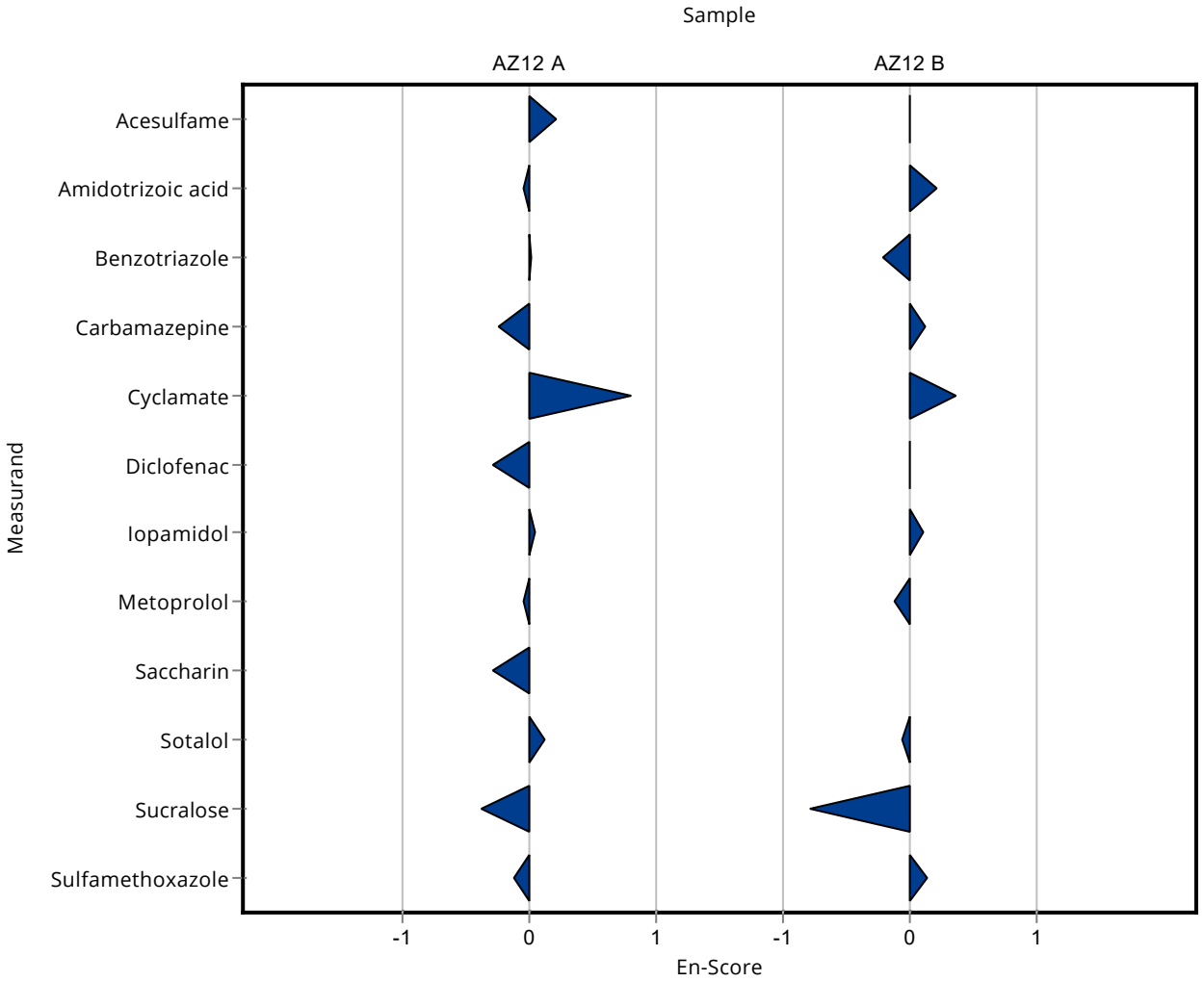
Summary of results Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12 - En-Score

Labcode: LC0014

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Formylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	- ± -	- ± -	-	-	-
Acesulfame	µg/l	1.09 ± 0.0597	1.09 ± 0.218	0.185	100	0.00
Amidotrizoic acid	µg/l	1.19 ± 0.0758	1.3 ± 0.26	0.237	109	0.21
Atenolol	µg/l	0.222 ± 0.0313	- ± -	0.0445	-	-
Benzotriazole	µg/l	7.12 ± 0.405	6.54 ± 1.31	0.855	91.8	-0.22
Bisoprolol	µg/l	- ± -	- ± -	-	-	-
Carbamazepine	µg/l	0.405 ± 0.0203	0.425 ± 0.085	0.0527	105	0.12
Cyclamate	µg/l	0.16 ± 0.0189	0.188 ± 0.038	0.032	118	0.36
Diazepam	µg/l	- ± -	0.511 ± 0.102	-	-	-
Diclofenac	µg/l	3.24 ± 0.195	3.25 ± 0.65	0.454	100	0.00
Ibuprofen	µg/l	1.31 ± 0.127	- ± -	0.157	-	-
Iopamidol	µg/l	43.5 ± 2.59	45.5 ± 9.1	10	104	0.11
Metoprolol	µg/l	0.188 ± 0.0066	0.179 ± 0.036	0.0375	95.4	-0.12
Saccharin	µg/l	- ± -	3.05 ± 0.61	-	-	-
Sotalol	µg/l	0.169 ± 0.0253	0.165 ± 0.033	0.0372	97.5	-0.06
Sucralose	µg/l	26.2 ± 5.79	18.7 ± 3.74	8.11	71.5	-0.79
Sulfamethoxazole	µg/l	0.339 ± 0.0397	0.358 ± 0.072	0.0745	106	0.13

Summary of results Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12 - En-Score

Labcode: LC0014



Summary of results Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12

Labcode: LC0015

Sample: AZ12A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
4-Formylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	- ± -	- ± -	-	-	-
Acesulfame	µg/l	0.245 ± 0.0196	0.222 ± 0.02	0.0416	90.7	-0.55
Amidotrizoic acid	µg/l	0.192 ± 0.0133	0.189 ± 0.02	0.0384	98.5	-0.07
Atenolol	µg/l	0.134 ± 0.00737	- ± -	0.0268	-	-
Benzotriazole	µg/l	0.294 ± 0.013	0.303 ± 0.03	0.0352	103	0.27
Bisoprolol	µg/l	- ± -	- ± -	-	-	-
Carbamazepine	µg/l	0.152 ± 0.0109	0.148 ± 0.01	0.0198	97.2	-0.21
Cyclamate	µg/l	0.174 ± 0.0371	- ± -	0.0522	-	-
Diazepam	µg/l	- ± -	- ± -	-	-	-
Diclofenac	µg/l	0.152 ± 0.0295	0.175 ± 0.02	0.0545	116	0.43
Ibuprofen	µg/l	0.285 ± 0.0191	- ± -	0.0342	-	-
Iopamidol	µg/l	0.516 ± 0.0392	0.504 ± 0.05	0.119	97.7	-0.10
Metoprolol	µg/l	0.159 ± 0.00712	- ± -	0.0319	-	-
Saccharin	µg/l	0.324 ± 0.0254	- ± -	0.0485	-	-
Sotalol	µg/l	0.194 ± 0.0195	- ± -	0.0427	-	-
Sucralose	µg/l	1.11 ± 0.132	- ± -	0.277	-	-
Sulfamethoxazole	µg/l	0.136 ± 0.00741	0.143 ± 0.02	0.0163	105	0.42

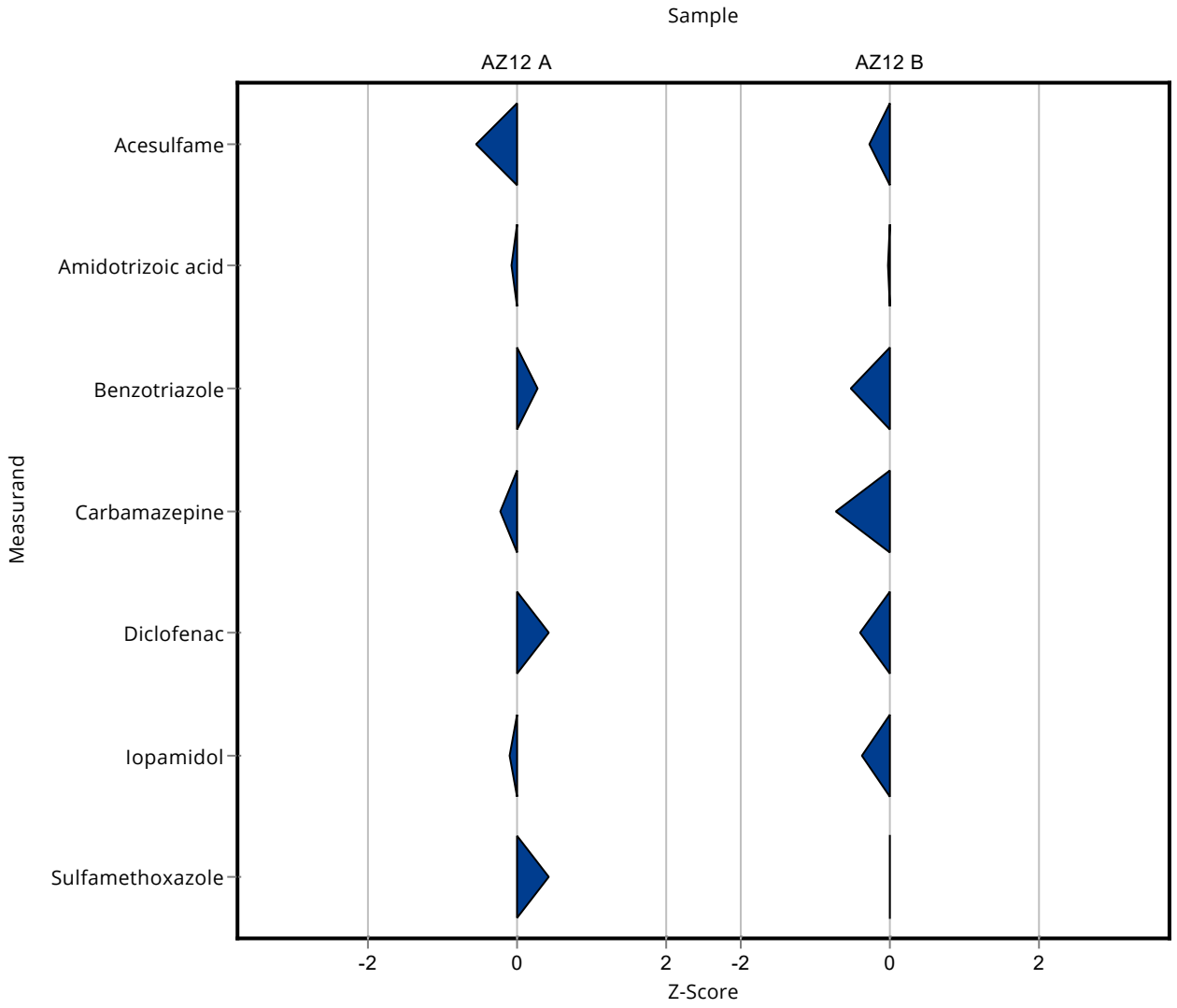
Sample: AZ12B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
4-Formylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	- ± -	- ± -	-	-	-
Acesulfame	µg/l	1.09 ± 0.0597	1.039 ± 0.11	0.185	95.3	-0.28
Amidotrizoic acid	µg/l	1.19 ± 0.0758	1.18 ± 0.13	0.237	99.4	-0.03
Atenolol	µg/l	0.222 ± 0.0313	- ± -	0.0445	-	-
Benzotriazole	µg/l	7.12 ± 0.405	6.665 ± 0.65	0.855	93.6	-0.53

Summary of results Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12

Labcode: LC0015

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Bisoprolol	µg/l	- ± -	- ± -	-	-	-
Carbamazepine	µg/l	0.405 ± 0.0203	0.367 ± 0.03	0.0527	90.6	-0.73
Cyclamate	µg/l	0.16 ± 0.0189	- ± -	0.032	-	-
Diazepam	µg/l	- ± -	- ± -	-	-	-
Diclofenac	µg/l	3.24 ± 0.195	3.063 ± 0.37	0.454	94.4	-0.40
Ibuprofen	µg/l	1.31 ± 0.127	- ± -	0.157	-	-
Iopamidol	µg/l	43.5 ± 2.59	39.879 ± 4.03	10	91.6	-0.37
Metoprolol	µg/l	0.188 ± 0.0066	- ± -	0.0375	-	-
Saccharin	µg/l	- ± -	- ± -	-	-	-
Sotalol	µg/l	0.169 ± 0.0253	- ± -	0.0372	-	-
Sucralose	µg/l	26.2 ± 5.79	- ± -	8.11	-	-
Sulfamethoxazole	µg/l	0.339 ± 0.0397	0.338 ± 0.04	0.0745	99.8	-0.01


Sample
AZ12 A
AZ12 B
Acesulfame
Amidotrizoic acid
Benzotriazole
Carbamazepine
Diclofenac
Iopamidol
Sulfamethoxazole
Measurand
-2
0
2
-2
0
2
Z-Score

Summary of results Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12 - En-Score

Labcode: LC0015

Sample: AZ12A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
4-Formylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	- ± -	- ± -	-	-	-
Acesulfame	µg/l	0.245 ± 0.0196	0.222 ± 0.02	0.0416	90.7	-0.51
Amidotrizoic acid	µg/l	0.192 ± 0.0133	0.189 ± 0.02	0.0384	98.5	-0.07
Atenolol	µg/l	0.134 ± 0.00737	- ± -	0.0268	-	-
Benzotriazole	µg/l	0.294 ± 0.013	0.303 ± 0.03	0.0352	103	0.15
Bisoprolol	µg/l	- ± -	- ± -	-	-	-
Carbamazepine	µg/l	0.152 ± 0.0109	0.148 ± 0.01	0.0198	97.2	-0.18
Cyclamate	µg/l	0.174 ± 0.0371	- ± -	0.0522	-	-
Diazepam	µg/l	- ± -	- ± -	-	-	-
Diclofenac	µg/l	0.152 ± 0.0295	0.175 ± 0.02	0.0545	116	0.47
Ibuprofen	µg/l	0.285 ± 0.0191	- ± -	0.0342	-	-
Iopamidol	µg/l	0.516 ± 0.0392	0.504 ± 0.05	0.119	97.7	-0.11
Metoprolol	µg/l	0.159 ± 0.00712	- ± -	0.0319	-	-
Saccharin	µg/l	0.324 ± 0.0254	- ± -	0.0485	-	-
Sotalol	µg/l	0.194 ± 0.0195	- ± -	0.0427	-	-
Sucralose	µg/l	1.11 ± 0.132	- ± -	0.277	-	-
Sulfamethoxazole	µg/l	0.136 ± 0.00741	0.143 ± 0.02	0.0163	105	0.17

Sample: AZ12B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-

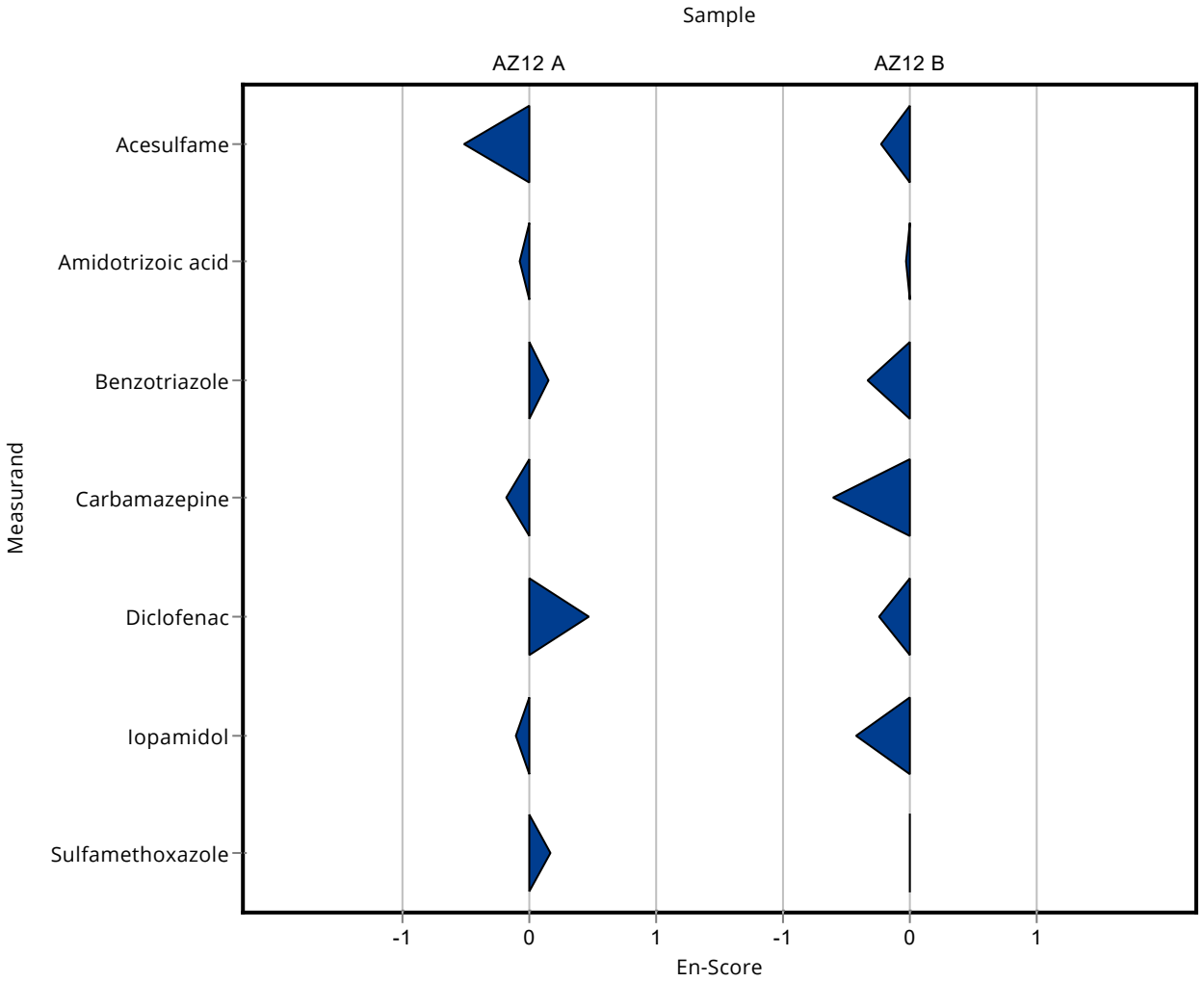
Summary of results Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12 - En-Score

Labcode: LC0015

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Formylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	- ± -	- ± -	-	-	-
Acesulfame	µg/l	1.09 ± 0.0597	1.039 ± 0.11	0.185	95.3	-0.23
Amidotrizoic acid	µg/l	1.19 ± 0.0758	1.18 ± 0.13	0.237	99.4	-0.03
Atenolol	µg/l	0.222 ± 0.0313	- ± -	0.0445	-	-
Benzotriazole	µg/l	7.12 ± 0.405	6.665 ± 0.65	0.855	93.6	-0.33
Bisoprolol	µg/l	- ± -	- ± -	-	-	-
Carbamazepine	µg/l	0.405 ± 0.0203	0.367 ± 0.03	0.0527	90.6	-0.60
Cyclamate	µg/l	0.16 ± 0.0189	- ± -	0.032	-	-
Diazepam	µg/l	- ± -	- ± -	-	-	-
Diclofenac	µg/l	3.24 ± 0.195	3.063 ± 0.37	0.454	94.4	-0.24
Ibuprofen	µg/l	1.31 ± 0.127	- ± -	0.157	-	-
Iopamidol	µg/l	43.5 ± 2.59	39.879 ± 4.03	10	91.6	-0.43
Metoprolol	µg/l	0.188 ± 0.0066	- ± -	0.0375	-	-
Saccharin	µg/l	- ± -	- ± -	-	-	-
Sotalol	µg/l	0.169 ± 0.0253	- ± -	0.0372	-	-
Sucralose	µg/l	26.2 ± 5.79	- ± -	8.11	-	-
Sulfamethoxazole	µg/l	0.339 ± 0.0397	0.338 ± 0.04	0.0745	99.8	-0.01

Summary of results Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12 - En-Score

Labcode: LC0015



Summary of results Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12

Labcode: LC0016

Sample: AZ12A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	µg/l	- ± -	0.208 ± 0.0229	-	-	-
4-Formylaminoantipyrine	µg/l	- ± -	0.201 ± 0.0301	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	- ± -	0.347 ± 0.25	-	-	-
Acesulfame	µg/l	0.245 ± 0.0196	0.217 ± 0.0369	0.0416	88.6	-0.67
Amidotrizoic acid	µg/l	0.192 ± 0.0133	0.191 ± 0.0497	0.0384	99.6	-0.02
Atenolol	µg/l	0.134 ± 0.00737	0.145 ± 0.0261	0.0268	108	0.41
Benzotriazole	µg/l	0.294 ± 0.013	0.327 ± 0.108	0.0352	111	0.95
Bisoprolol	µg/l	- ± -	0.163 ± 0.0358	-	-	-
Carbamazepine	µg/l	0.152 ± 0.0109	0.165 ± 0.0313	0.0198	108	0.65
Cyclamate	µg/l	0.174 ± 0.0371	0.117 ± 0.0199	0.0522	67.2	-1.09
Diazepam	µg/l	- ± -	0.477 ± 0.0572	-	-	-
Diclofenac	µg/l	0.152 ± 0.0295	0.154 ± 0.0276	0.0545	102	0.05
Ibuprofen	µg/l	0.285 ± 0.0191	0.26 ± 0.0416	0.0342	91.3	-0.72
Iopamidol	µg/l	0.516 ± 0.0392	0.504 ± 0.146	0.119	97.7	-0.10
Metoprolol	µg/l	0.159 ± 0.00712	0.181 ± 0.0271	0.0319	114	0.68
Saccharin	µg/l	0.324 ± 0.0254	0.28 ± 0.0867	0.0485	86.5	-0.90
Sotalol	µg/l	0.194 ± 0.0195	0.21 ± 0.0378	0.0427	108	0.38
Sucralose	µg/l	1.11 ± 0.132	1.08 ± 0.29	0.277	97.3	-0.11
Sulfamethoxazole	µg/l	0.136 ± 0.00741	0.158 ± 0.063	0.0163	116	1.34

Sample: AZ12B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	µg/l	- ± -	2.18 ± 0.24	-	-	-
4-Formylaminoantipyrine	µg/l	- ± -	6.13 ± 0.92	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	- ± -	1.12 ± 0.809	-	-	-
Acesulfame	µg/l	1.09 ± 0.0597	1.01 ± 0.172	0.185	92.6	-0.43
Amidotrizoic acid	µg/l	1.19 ± 0.0758	1.19 ± 0.309	0.237	100	0.01
Atenolol	µg/l	0.222 ± 0.0313	0.245 ± 0.0441	0.0445	110	0.51
Benzotriazole	µg/l	7.12 ± 0.405	8.02 ± 2.65	0.855	113	1.05

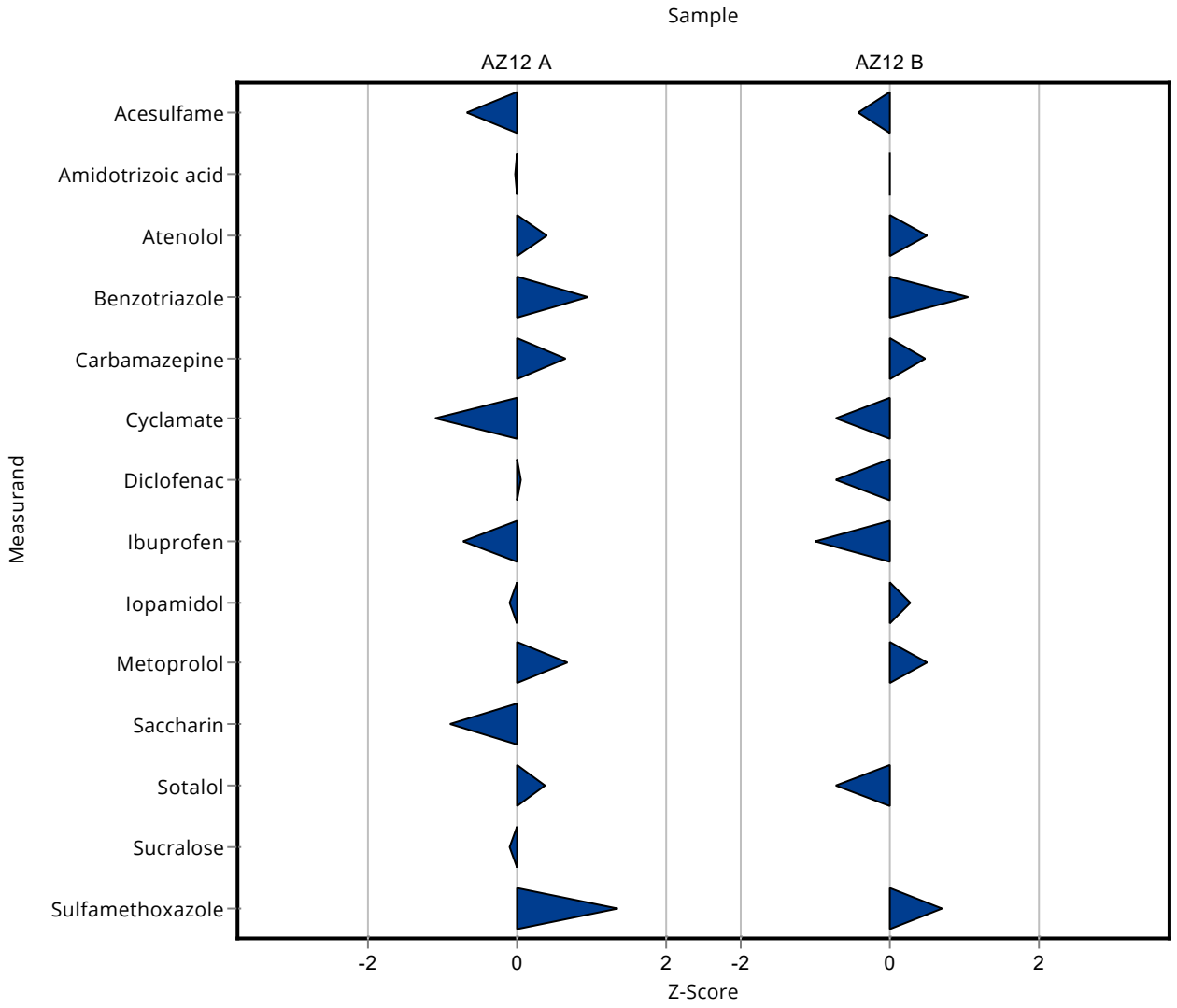
Summary of results Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12

Labcode: LC0016

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Bisoprolol	µg/l	- ± -	0.385 ± 0.0847	-	-	-
Carbamazepine	µg/l	0.405 ± 0.0203	0.43 ± 0.0816	0.0527	106	0.47
Cyclamate	µg/l	0.16 ± 0.0189	0.137 ± 0.0232	0.032	85.7	-0.71
Diazepam	µg/l	- ± -	0.561 ± 0.0673	-	-	-
Diclofenac	µg/l	3.24 ± 0.195	2.92 ± 0.526	0.454	90	-0.71
Ibuprofen	µg/l	1.31 ± 0.127	1.15 ± 0.184	0.157	88.1	-0.99
Iopamidol	µg/l	43.5 ± 2.59	46.2 ± 13.4	10	106	0.26
Metoprolol	µg/l	0.188 ± 0.0066	0.206 ± 0.0309	0.0375	110	0.49
Saccharin	µg/l	- ± -	3.18 ± 0.986	-	-	-
Sotalol	µg/l	0.169 ± 0.0253	0.142 ± 0.0256	0.0372	83.9	-0.73
Sucralose	µg/l	26.2 ± 5.79	- ± -	8.11	-	-
Sulfamethoxazole	µg/l	0.339 ± 0.0397	0.39 ± 0.156	0.0745	115	0.69

Summary of results Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12

Labcode: LC0016



Summary of results Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12 - En-Score

Labcode: LC0016

Sample: AZ12A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	µg/l	- ± -	0.208 ± 0.0229	-	-	-
4-Formylaminoantipyrine	µg/l	- ± -	0.201 ± 0.0301	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	- ± -	0.347 ± 0.25	-	-	-
Acesulfame	µg/l	0.245 ± 0.0196	0.217 ± 0.0369	0.0416	88.6	-0.36
Amidotrizoic acid	µg/l	0.192 ± 0.0133	0.191 ± 0.0497	0.0384	99.6	-0.01
Atenolol	µg/l	0.134 ± 0.00737	0.145 ± 0.0261	0.0268	108	0.21
Benzotriazole	µg/l	0.294 ± 0.013	0.327 ± 0.108	0.0352	111	0.15
Bisoprolol	µg/l	- ± -	0.163 ± 0.0358	-	-	-
Carbamazepine	µg/l	0.152 ± 0.0109	0.165 ± 0.0313	0.0198	108	0.20
Cyclamate	µg/l	0.174 ± 0.0371	0.117 ± 0.0199	0.0522	67.2	-1.05
Diazepam	µg/l	- ± -	0.477 ± 0.0572	-	-	-
Diclofenac	µg/l	0.152 ± 0.0295	0.154 ± 0.0276	0.0545	102	0.04
Ibuprofen	µg/l	0.285 ± 0.0191	0.26 ± 0.0416	0.0342	91.3	-0.29
Iopamidol	µg/l	0.516 ± 0.0392	0.504 ± 0.146	0.119	97.7	-0.04
Metoprolol	µg/l	0.159 ± 0.00712	0.181 ± 0.0271	0.0319	114	0.40
Saccharin	µg/l	0.324 ± 0.0254	0.28 ± 0.0867	0.0485	86.5	-0.25
Sotalol	µg/l	0.194 ± 0.0195	0.21 ± 0.0378	0.0427	108	0.21
Sucralose	µg/l	1.11 ± 0.132	1.08 ± 0.29	0.277	97.3	-0.05
Sulfamethoxazole	µg/l	0.136 ± 0.00741	0.158 ± 0.063	0.0163	116	0.17

Sample: AZ12B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	µg/l	- ± -	2.18 ± 0.24	-	-	-

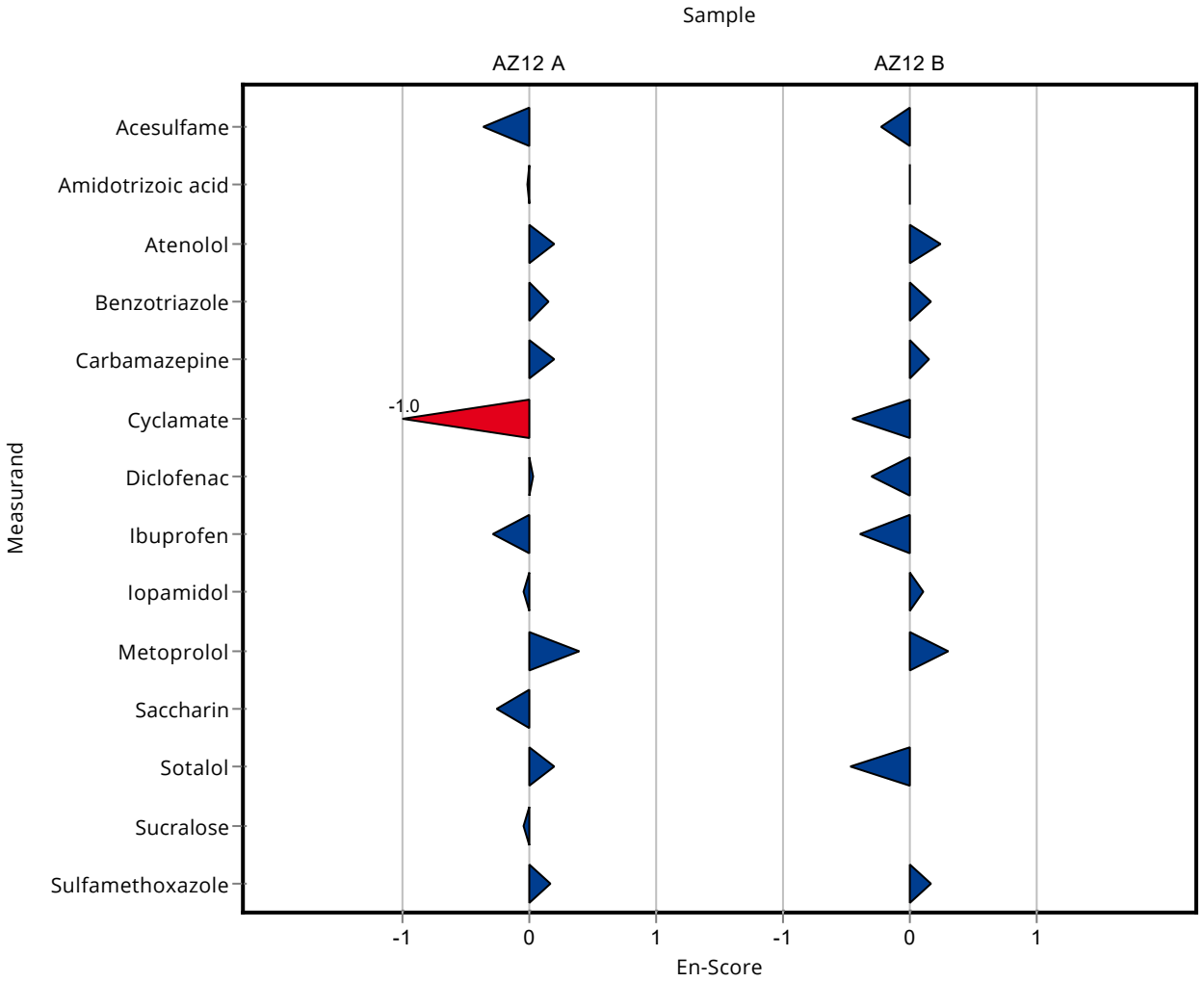
Summary of results Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12 - En-Score

Labcode: LC0016

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Formylaminoantipyrine	µg/l	- ± -	6.13 ± 0.92	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	- ± -	1.12 ± 0.809	-	-	-
Acesulfame	µg/l	1.09 ± 0.0597	1.01 ± 0.172	0.185	92.6	-0.23
Amidotrizoic acid	µg/l	1.19 ± 0.0758	1.19 ± 0.309	0.237	100	0.00
Atenolol	µg/l	0.222 ± 0.0313	0.245 ± 0.0441	0.0445	110	0.24
Benzotriazole	µg/l	7.12 ± 0.405	8.02 ± 2.65	0.855	113	0.17
Bisoprolol	µg/l	- ± -	0.385 ± 0.0847	-	-	-
Carbamazepine	µg/l	0.405 ± 0.0203	0.43 ± 0.0816	0.0527	106	0.15
Cyclamate	µg/l	0.16 ± 0.0189	0.137 ± 0.0232	0.032	85.7	-0.45
Diazepam	µg/l	- ± -	0.561 ± 0.0673	-	-	-
Diclofenac	µg/l	3.24 ± 0.195	2.92 ± 0.526	0.454	90	-0.30
Ibuprofen	µg/l	1.31 ± 0.127	1.15 ± 0.184	0.157	88.1	-0.40
Iopamidol	µg/l	43.5 ± 2.59	46.2 ± 13.4	10	106	0.10
Metoprolol	µg/l	0.188 ± 0.0066	0.206 ± 0.0309	0.0375	110	0.30
Saccharin	µg/l	- ± -	3.18 ± 0.986	-	-	-
Sotalol	µg/l	0.169 ± 0.0253	0.142 ± 0.0256	0.0372	83.9	-0.48
Sucralose	µg/l	26.2 ± 5.79	- ± -	8.11	-	-
Sulfamethoxazole	µg/l	0.339 ± 0.0397	0.39 ± 0.156	0.0745	115	0.16

Summary of results Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12 - En-Score

Labcode: LC0016



E9. Methodenübersicht / Overview of methods

LabCode	Sample	10,11-Dihydro-10,11-Dihydroxycarbamazepine	4-Acetylaminoantipyrine	4-Formylaminoantipyrine	Acesulfame
LC0001	AZ12A				LC-MS/MS direct; DIN 38407-36
LC0002	AZ12A		LC-MS/MS;		LC-MS/MS;
LC0003	AZ12A				
LC0004	AZ12A				
LC0005	AZ12A	LC-MS/MS direct; EN ISO 21676			LC-MS/MS direct; EN ISO 21676
LC0006	AZ12A				
LC0007	AZ12A				LC-MS/MS direct;
LC0008	AZ12A	LC-MS/MS direct; EN ISO 21676	LC-MS/MS direct; EN ISO 21676	LC-MS/MS direct; EN ISO 21676	LC-MS;
LC0009	AZ12A				LC-MS/MS direct;
LC0010	AZ12A				LC-MS/MS; housemethod
LC0011	AZ12A		LC-MS/MS direct; EN ISO 21676; F47	LC-MS/MS direct; EN ISO 21676; F47	LC-MS/MS direct; EN ISO 21676; F47
LC0012	AZ12A	HPLC-HRMS; housemethod	HPLC-HRMS; housemethod	HPLC-HRMS; housemethod	HPLC-HRMS; housemethod
LC0013	AZ12A				LC-MS/MS;
LC0014	AZ12A				LC-MS/MS;
LC0015	AZ12A				LC-MS/MS; housemethod
LC0016	AZ12A	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

LabCode	Sample	Amidotrizoic acid	Atenolol	Benzotriazole	Bisoprolol
LC0001	AZ12A	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36	
LC0002	AZ12A		LC-MS/MS;	LC-MS/MS;	
LC0003	AZ12A			LC-MS/MS;	
LC0004	AZ12A			LC-MS/MS direct; EN ISO 21676	LC-MS/MS direct; EN ISO 21676
LC0005	AZ12A	LC-MS/MS direct; EN ISO 21676	LC-MS/MS direct; EN ISO 21676	LC-MS/MS direct; EN ISO 21676	
LC0006	AZ12A				
LC0007	AZ12A	LC-MS/MS direct;	LC-MS/MS direct;	LC-MS/MS direct;	
LC0008	AZ12A	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
LC0009	AZ12A	LC-MS/MS direct;	LC-MS/MS direct;	LC-MS/MS direct;	
LC0010	AZ12A	LC-MS/MS; housemethod			LC-MS/MS; housemethod
LC0011	AZ12A	LC-MS/MS direct; EN ISO 21676; F47	LC-MS/MS direct; EN ISO 21676; F47	LC-MS/MS direct; EN ISO 21676; F47	LC-MS/MS direct; EN ISO 21676; F47
LC0012	AZ12A	HPLC-HRMS; housemethod	LC-MS/MS direct; EN ISO 21676; F47	HPLC-HRMS; housemethod	LC-MS/MS direct; EN ISO 21676; F47
LC0013	AZ12A	LC-MS/MS;			
LC0014	AZ12A	LC-MS/MS;		LC-MS/MS;	
LC0015	AZ12A	LC-MS/MS direct; EN ISO 21676		LC-MS/MS direct; EN ISO 21676	
LC0016	AZ12A	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

LabCode	Sample	Carbamazepine	Cyclamate	Diazepam	Diclofenac
LC0001	AZ12A	LC-MS/MS direct; DIN 38407-36			LC-MS/MS direct; DIN 38407-36
LC0002	AZ12A	LC-MS/MS;			LC-MS/MS;
LC0003	AZ12A	LC-MS/MS;			LC-MS/MS;
LC0004	AZ12A	LC-MS/MS direct; EN ISO 21676			LC-MS/MS direct; EN ISO 21676
LC0005	AZ12A	LC-MS/MS direct; EN ISO 21676			LC-MS/MS direct; EN ISO 21676
LC0006	AZ12A	LC-MS/MS; EPA 1694			LC-MS/MS; EPA 1694
LC0007	AZ12A	LC-MS/MS direct;	LC-MS/MS direct;		LC-MS/MS direct;
LC0008	AZ12A	LC-MS/MS direct; EN ISO 21676	LC-MS;		LC-MS/MS direct; EN ISO 21676
LC0009	AZ12A	LC-MS/MS direct;	LC-MS/MS direct;		LC-MS/MS direct;
LC0010	AZ12A	LC (UV-detection); EN ISO 11369; F12	LC-MS/MS; housemethod		
LC0011	AZ12A	LC-MS/MS direct; EN ISO 21676; F47	LC-MS/MS direct; EN ISO 21676; F47	LC-MS/MS direct; EN ISO 21676; F47	LC-MS/MS direct; EN ISO 21676; F47
LC0012	AZ12A	HPLC-HRMS; housemethod		HPLC-HRMS; housemethod	HPLC-HRMS; housemethod
LC0013	AZ12A		LC-MS/MS;		
LC0014	AZ12A	LC-MS/MS;	LC-MS/MS;	LC-MS/MS;	LC-MS/MS;
LC0015	AZ12A	LC-MS/MS direct; EN ISO 21676			LC-MS/MS direct; EN ISO 21676
LC0016	AZ12A	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

LabCode	Sample	Ibuprofen	Iopamidol	Metoprolol	Saccharin
LC0001	AZ12A	LC-MS/MS direct; DIN 38407-36		LC-MS/MS direct; DIN 38407-36	
LC0002	AZ12A	LC-MS/MS;		LC-MS/MS;	
LC0003	AZ12A				
LC0004	AZ12A	LC-MS/MS direct; EN ISO 21676		LC-MS/MS direct; EN ISO 21676	
LC0005	AZ12A	LC-MS/MS direct; EN ISO 21676	LC-MS/MS direct; EN ISO 21676	LC-MS/MS direct; EN ISO 21676	
LC0006	AZ12A	LC-MS/MS; EPA 1694			LC-MS/MS; housemethod
LC0007	AZ12A	LC-MS/MS direct;	LC-MS/MS direct;	LC-MS/MS direct;	
LC0008	AZ12A	LC-MS/MS direct; EN ISO 21676	LC-MS/MS direct; EN ISO 21676	LC-MS/MS direct; EN ISO 21676	
LC0009	AZ12A		LC-MS/MS direct;	LC-MS/MS direct;	LC-MS/MS direct;
LC0010	AZ12A		LC-MS/MS; housemethod		LC-MS/MS; housemethod
LC0011	AZ12A	LC-MS/MS direct; EN ISO 21676; F47	LC-MS/MS direct; EN ISO 21676; F47	LC-MS/MS direct; EN ISO 21676; F47	LC-MS/MS direct; EN ISO 21676; F47
LC0012	AZ12A	HPLC-HRMS; housemethod	HPLC-HRMS; housemethod	LC-MS/MS direct; EN ISO 21676; F47	
LC0013	AZ12A		LC-MS/MS;		LC-MS/MS;
LC0014	AZ12A		LC-MS/MS;	LC-MS/MS;	LC-MS/MS;
LC0015	AZ12A		LC-MS/MS direct; EN ISO 21676		
LC0016	AZ12A	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

LabCode	Sample	Sotalol	Sucralose	Sulfamethoxazole
LC0001	**AZ12A**	LC-MS/MS direct; DIN 38407-36		LC-MS/MS direct; DIN 38407-36
LC0002	**AZ12A**	LC-MS/MS;		LC-MS/MS;
LC0003	**AZ12A**			LC-MS/MS;
LC0004	**AZ12A**	LC-MS/MS direct; EN ISO 21676		LC-MS/MS direct; EN ISO 21676
LC0005	**AZ12A**	LC-MS/MS direct; EN ISO 21676	LC-MS/MS direct; EN ISO 21676	LC-MS/MS direct; EN ISO 21676
LC0006	**AZ12A**		LC-MS/MS; housemethod	
LC0007	**AZ12A**	LC-MS/MS direct;	LC-MS/MS direct;	LC-MS/MS direct;
LC0008	**AZ12A**	LC-MS/MS direct; EN ISO 21676	LC-MS;	LC-MS/MS direct; EN ISO 21676
LC0009	**AZ12A**	LC-MS/MS direct;	LC-MS/MS direct;	LC-MS/MS direct;
LC0010	**AZ12A**		LC-MS/MS; housemethod	LC-MS/MS; housemethod
LC0011	**AZ12A**	LC-MS/MS direct; EN ISO 21676; F47	LC-MS/MS direct; EN ISO 21676; F47	LC-MS/MS direct; EN ISO 21676; F47
LC0012	**AZ12A**	LC-MS/MS direct; EN ISO 21676; F47		HPLC-HRMS; housemethod
LC0013	**AZ12A**		LC-MS/MS;	
LC0014	**AZ12A**	LC-MS/MS;	LC-MS/MS;	LC-MS/MS;
LC0015	**AZ12A**			LC-MS/MS direct; EN ISO 21676
LC0016	**AZ12A**	LC-MS/MS direct; EN ISO 21676	LC-MS/MS; housemethod	LC-MS/MS direct; EN ISO 21676

LabCode	Sample	10,11-Dihydro-10,11-Dihydroxycarbamazepine	4-Acetylaminoantipyrine	4-Formylaminoantipyrine	Acesulfame
LC0001	**AZ12B**				LC-MS/MS direct; DIN 38407-36
LC0002	**AZ12B**		LC-MS/MS;		LC-MS/MS;
LC0003	**AZ12B**				
LC0004	**AZ12B**				
LC0005	**AZ12B**	LC-MS/MS direct; EN ISO 21676			LC-MS/MS direct; EN ISO 21676
LC0006	**AZ12B**				
LC0007	**AZ12B**				LC-MS/MS direct;
LC0008	**AZ12B**	LC-MS/MS direct; EN ISO 21676	LC-MS/MS direct; EN ISO 21676	LC-MS/MS direct; EN ISO 21676	LC-MS;
LC0009	**AZ12B**				LC-MS/MS direct;
LC0010	**AZ12B**				LC-MS/MS; housemethod
LC0011	**AZ12B**		LC-MS/MS direct; EN ISO 21676; F47	LC-MS/MS direct; EN ISO 21676; F47	LC-MS/MS direct; EN ISO 21676; F47
LC0012	**AZ12B**	HPLC-HRMS; housemethod	HPLC-HRMS; housemethod	HPLC-HRMS; housemethod	HPLC-HRMS; housemethod
LC0013	**AZ12B**				LC-MS/MS;
LC0014	**AZ12B**				LC-MS/MS;
LC0015	**AZ12B**				LC-MS/MS; housemethod
LC0016	**AZ12B**	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

LabCode	Sample	Amidotrizoic acid	Atenolol	Benzotriazole	Bisoprolol
LC0001	**AZ12B**	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36	
LC0002	**AZ12B**		LC-MS/MS;	LC-MS/MS;	
LC0003	**AZ12B**			LC-MS/MS;	
LC0004	**AZ12B**			LC-MS/MS direct; EN ISO 21676	LC-MS/MS direct; EN ISO 21676
LC0005	**AZ12B**	LC-MS/MS direct; EN ISO 21676	LC-MS/MS direct; EN ISO 21676	LC-MS/MS direct; EN ISO 21676	
LC0006	**AZ12B**				
LC0007	**AZ12B**	LC-MS/MS direct;	LC-MS/MS direct;	LC-MS/MS direct;	
LC0008	**AZ12B**	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
LC0009	**AZ12B**	LC-MS/MS direct;	LC-MS/MS direct;	LC-MS/MS direct;	
LC0010	**AZ12B**	LC-MS/MS; housemethod			LC-MS/MS; housemethod
LC0011	**AZ12B**	LC-MS/MS direct; EN ISO 21676; F47	LC-MS/MS direct; EN ISO 21676; F47	LC-MS/MS direct; EN ISO 21676; F47	LC-MS/MS direct; EN ISO 21676; F47
LC0012	**AZ12B**	HPLC-HRMS; housemethod	LC-MS/MS direct; EN ISO 21676; F47	HPLC-HRMS; housemethod	LC-MS/MS direct; EN ISO 21676; F47
LC0013	**AZ12B**	LC-MS/MS;			
LC0014	**AZ12B**	LC-MS/MS;		LC-MS/MS;	
LC0015	**AZ12B**	LC-MS/MS direct; EN ISO 21676		LC-MS/MS direct; EN ISO 21676	
LC0016	**AZ12B**	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

LabCode	Sample	Carbamazepine	Cyclamate	Diazepam	Diclofenac
LC0001	**AZ12B**	LC-MS/MS direct; DIN 38407-36			LC-MS/MS direct; DIN 38407-36
LC0002	**AZ12B**	LC-MS/MS;			LC-MS/MS;
LC0003	**AZ12B**	LC-MS/MS;			LC-MS/MS;
LC0004	**AZ12B**	LC-MS/MS direct; EN ISO 21676			LC-MS/MS direct; EN ISO 21676
LC0005	**AZ12B**	LC-MS/MS direct; EN ISO 21676			LC-MS/MS direct; EN ISO 21676
LC0006	**AZ12B**	LC-MS/MS; EPA 1694			LC-MS/MS; EPA 1694
LC0007	**AZ12B**	LC-MS/MS direct;	LC-MS/MS direct;		LC-MS/MS direct;
LC0008	**AZ12B**	LC-MS/MS direct; EN ISO 21676	LC-MS;		LC-MS/MS direct; EN ISO 21676
LC0009	**AZ12B**	LC-MS/MS direct;	LC-MS/MS direct;		LC-MS/MS direct;
LC0010	**AZ12B**	LC (UV-detection); EN ISO 11369; F12	LC-MS/MS; housemethod		
LC0011	**AZ12B**	LC-MS/MS direct; EN ISO 21676; F47	LC-MS/MS direct; EN ISO 21676; F47	LC-MS/MS direct; EN ISO 21676; F47	LC-MS/MS direct; EN ISO 21676; F47
LC0012	**AZ12B**	HPLC-HRMS; housemethod		HPLC-HRMS; housemethod	HPLC-HRMS; housemethod
LC0013	**AZ12B**		LC-MS/MS;		
LC0014	**AZ12B**	LC-MS/MS;	LC-MS/MS;	LC-MS/MS;	LC-MS/MS;
LC0015	**AZ12B**	LC-MS/MS direct; EN ISO 21676			LC-MS/MS direct; EN ISO 21676
LC0016	**AZ12B**	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

LabCode	Sample	Ibuprofen	Iopamidol	Metoprolol	Saccharin
LC0001	**AZ12B**	LC-MS/MS direct; DIN 38407-36		LC-MS/MS direct; DIN 38407-36	
LC0002	**AZ12B**	LC-MS/MS;		LC-MS/MS;	
LC0003	**AZ12B**				
LC0004	**AZ12B**	LC-MS/MS direct; EN ISO 21676		LC-MS/MS direct; EN ISO 21676	
LC0005	**AZ12B**	LC-MS/MS direct; EN ISO 21676	LC-MS/MS direct; EN ISO 21676	LC-MS/MS direct; EN ISO 21676	
LC0006	**AZ12B**	LC-MS/MS; EPA 1694			LC-MS/MS; housemethod
LC0007	**AZ12B**	LC-MS/MS direct;	LC-MS/MS direct;	LC-MS/MS direct;	
LC0008	**AZ12B**	LC-MS/MS direct; EN ISO 21676	LC-MS/MS direct; EN ISO 21676	LC-MS/MS direct; EN ISO 21676	
LC0009	**AZ12B**		LC-MS/MS direct;	LC-MS/MS direct;	LC-MS/MS direct;
LC0010	**AZ12B**		LC-MS/MS; housemethod		LC-MS/MS; housemethod
LC0011	**AZ12B**	LC-MS/MS direct; EN ISO 21676; F47	LC-MS/MS direct; EN ISO 21676; F47	LC-MS/MS direct; EN ISO 21676; F47	LC-MS/MS direct; EN ISO 21676; F47
LC0012	**AZ12B**	HPLC-HRMS; housemethod	HPLC-HRMS; housemethod	LC-MS/MS direct; EN ISO 21676; F47	
LC0013	**AZ12B**		LC-MS/MS;		LC-MS/MS;
LC0014	**AZ12B**		LC-MS/MS;	LC-MS/MS;	LC-MS/MS;
LC0015	**AZ12B**		LC-MS/MS direct; EN ISO 21676		
LC0016	**AZ12B**	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

LabCode	Sample	Sotalol	Sucralose	Sulfamethoxazole
LC0001	**AZ12B**	LC-MS/MS direct; DIN 38407-36		LC-MS/MS direct; DIN 38407-36
LC0002	**AZ12B**	LC-MS/MS;		LC-MS/MS;
LC0003	**AZ12B**			LC-MS/MS;
LC0004	**AZ12B**	LC-MS/MS direct; EN ISO 21676		LC-MS/MS direct; EN ISO 21676
LC0005	**AZ12B**	LC-MS/MS direct; EN ISO 21676	LC-MS/MS direct; EN ISO 21676	LC-MS/MS direct; EN ISO 21676
LC0006	**AZ12B**		LC-MS/MS; housemethod	
LC0007	**AZ12B**	LC-MS/MS direct;	LC-MS/MS direct;	LC-MS/MS direct;
LC0008	**AZ12B**	LC-MS/MS direct; EN ISO 21676	LC-MS;	LC-MS/MS direct; EN ISO 21676
LC0009	**AZ12B**	LC-MS/MS direct;	LC-MS/MS direct;	LC-MS/MS direct;
LC0010	**AZ12B**		LC-MS/MS; housemethod	LC-MS/MS; housemethod
LC0011	**AZ12B**	LC-MS/MS direct; EN ISO 21676; F47	LC-MS/MS direct; EN ISO 21676; F47	LC-MS/MS direct; EN ISO 21676; F47
LC0012	**AZ12B**	LC-MS/MS direct; EN ISO 21676; F47		HPLC-HRMS; housemethod
LC0013	**AZ12B**		LC-MS/MS;	
LC0014	**AZ12B**	LC-MS/MS;	LC-MS/MS;	LC-MS/MS;
LC0015	**AZ12B**			LC-MS/MS direct; EN ISO 21676
LC0016	**AZ12B**	LC-MS/MS direct; EN ISO 21676		LC-MS/MS direct; EN ISO 21676