

**Proficiency Testing Scheme für die
Wasseranalytik - Realproben
AZ6 Arzneimittel, Industriechemikalien und
Zuckerersatzstoffe**

**Proficiency Testing Scheme for Water
Analysis - natural water samples
AZ6 Pharmaceuticals, industrial chemicals and
artificial sweeteners**

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D1. Beschreibung des Ringversuchs

D1.1. Ausgestaltung und Durchführung

- Anzahl der Anmeldungen: 21
- Anzahl der übermittelten Datensätze: 21
- Probenversand: 19.03.2019
- Einsendeschluss der Daten: 16.04.2019

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

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

D1.2. Beschreibung der Prüfgegenstände

Die Probenahme von Oberflächenwasser und gereinigtem Abwasser erfolgte am 18.03.2019. Das Probenmaterial umfasste:

- 1 Probe Oberflächenwasser (AZ6 A)
- 1 Probe gereinigtes Abwasser (AZ6 B)

Alle Proben wurden bis zur weiteren Verarbeitung bei $< 4\text{ °C}$ gelagert. Die o.a. Proben wurden zusätzlich mit einzelnen Substanzen dotiert.

Das Abfüllen der Proben erfolgte unter ständigem Rühren (Rührkessel). Die Stabilisierung erfolgte durch Kühlung und durch den Zusatz von Natriumazid. Die homogenen Prüfgegenstände wurden am 19.03.2019 verschickt.

Jedes Teilnehmerlabor erhielt:

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

D1.3. Anweisungen für die Teilnehmer

Aus Stabilitätsgründen wurde empfohlen bis spätestens 27.03.2019 mit den Analysen zu beginnen.

Den Teilnehmern stand die Wahl der Analysenmethode bzw. der verwendeten Norm frei, welche mit ihrem Routineverfahren übereinstimmen sollte.

D1.4. Kontrollanalytik zur Bewertung der Homogenität

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

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

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

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

Die Ergebnisse der Kontrollanalytik sind in der parameterorientierten Auswertung (E7) in Form von Mittelwerten \pm Messunsicherheit als Kontrollwert (control test value) \pm U gelistet (jeweils angegeben als erweiterte Messunsicherheit, k=2).

D1.5. Trendtest zur Bewertung der Stabilität

Die Bewertung der Stabilität der Prüfgegenstände (Realproben) erfolgte auf Basis der Datenstatistik aus den vergangenen Runden für Realproben im Zeitraum 2013 bis 2018.

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

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

D1.6. Ermittlung des zugewiesenen Wertes

Die Ergebnisse der Analysen mussten spätestens bis zum 16.04.2019 beim Veranstalter vorliegen. Später eingehende Werte wurden nicht berücksichtigt.

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

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

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

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

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

D2. Kriterien der Leistungsbewertung

D2.1. Leistungskriterium z-Score

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

Die Ermittlung der z-Scores erfolgte gemäß nachfolgender Formel:

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

Dabei ist:

x_i	Messergebnis des teilnehmenden Labors
\bar{X}	zugewiesener Wert Sollwert für die Leistungsbewertung der Teilnehmer (angegeben auf 3 signifikante Stellen); im Regelfall: ausreißerbereinigter Mittelwert der Teilnehmerergebnisse. Eine davon abweichende Vorgehensweise wird unter Punkt D4 des Berichts beschrieben.
<i>Kriterium</i>	Vergleichsstandardabweichung berechnet aus den Statistiken für reale Wasserproben der vorangegangenen Runden im Zeitraum 2013 bis 2018 (RSDpooled) bzw. aus den ausreißerbereinigten Teilnehmerergebnissen (sR) des aktuellen Ringversuchs (falls noch weniger als 6 vorangegangene Runden für A und B-Proben vorlagen). In begründeten Fällen (z.B. Ergebnisse Realproben nahe an Mindestbestimmungsgrenze oder regulatorischer Vorgaben) erfolgt die Festlegung nach Expertenbefund und die Vorgangsweise wird unter Punkt D4 des Berichts beschrieben.

D2.2. Leistungskriterium E_n-Score

Für die realen Wasserproben erfolgen neu ab 2019 zusätzliche Bewertungen unter Einbeziehung der erweiterten Messunsicherheiten der Teilnehmer und der erweiterten Messunsicherheit des zugewiesenen Wertes, gemäß E_n-Score. Diese Auswertungen werden für die Teilnehmer im Bericht unter Punkt E8, jeweils im Anschluss an die z-Score Auswertung dargestellt.

Die Ermittlung der E_n-Scores erfolgte gemäß nachfolgender Formel:

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

Dabei ist:

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

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

Interpretation der z-Scores:

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

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

Interpretation der E_n-Scores:

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

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

D3. Darstellung und Interpretation der Messergebnisse

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

In der labororientierten Auswertung werden pro Labor in anonymisierter Form die Ergebnisse der einzelnen Labore als Messergebnis $\pm U$ sowie die Wiederfindungen und die ermittelten z-Scores bezugnehmend auf das Kriterium dargestellt. Weiters werden die E_n -Scores unter Berücksichtigung der erweiterten Unsicherheiten in unabhängigen Tabellen ausgegeben. Die labororientierten Auswertungen enthalten jeweils die Bewertungsgrundlagen wie zugewiesener Wert samt erweiterter Messunsicherheit, sowie das Kriterium.

Eine Erläuterung zu den Tabellen und Grafiken kann Punkt D5 entnommen werden.

D4. Anmerkungen zur Auswertung

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

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

Als Ergebnis einer Langzeitauswertung über aktuell 6 Eignungsprüfungsrunden (2013 - 2018) in Realproben wurden Kriterien (RSDpool) zur Ergebnisbewertung berechnet. Diese wurden im Zuge der Auswertung den relativen Vergleichsstandardabweichungen (vR) des aktuellen Ringversuchs gegenübergestellt.

Parameter Ibuprofen, Probe AZ6 A: Die relative Vergleichsstandardabweichung betrug hier für Probe A 2.6 %. Es wurde daher in diesem Fall das Kriterium auf 10 % angepasst.

Für alle anderen Parameter wurde als Kriterium für die Berechnung des z-Scores das jeweils höhere Kriterium von der aktuellen Vergleichsstandardabweichung und dem berechneten Kriterium der Langzeitauswertung gewählt.

D5. Erläuterung zu Tabellen und Grafiken

D5.1. Angaben und Abkürzungen in Tabellen

Parameter	Allgemeine Bezeichnung des Analysenparameters
Probe	Bezeichnung der übermittelten Probe
Einheit	Vorgegebene Einheit für Messwert und Ergebnisunsicherheit (z.B. µg/l)
Zugewiesener Wert	Sollwert für die Leistungsbewertung der Teilnehmer (angegeben auf 3 signifikante Stellen)
U (k=2)	erweiterte Unsicherheit (k=2) des zugewiesenen Wertes, (angegeben auf 3 signifikante Stellen)
Kriterium	Vorgabewert zur Ermittlung des z-Scores in der angegebenen Einheit (angegeben auf 3 signifikante Stellen)
Kriterium [%]	Vorgabewert zur Ermittlung des z-Scores in % des zugewiesenen Wertes (angegeben auf 2 signifikante Stellen)
Mittelwert	Ausreißerbereinigter Mittelwert über die Teilnehmerergebnisse (angegeben auf 3 signifikante Stellen)
VB (99%)	99% Vertrauensbereich (angegeben auf 3 signifikante Stellen)
Minimum	Minimales abgegebenes Messergebnis, ausreißerbereinigt (angegeben auf 3 signifikante Stellen)
Maximum	Maximales abgegebenes Messergebnis, ausreißerbereinigt (angegeben auf 3 signifikante Stellen)
sR	Vergleichsstandardabweichung berechnet aus den ausreißerbereinigten Teilnehmerergebnissen des aktuellen Ringversuchs (angegeben auf 3 signifikante Stellen)
vR	relative Vergleichsstandardabweichung in %, berechnet aus den ausreißerbereinigten Teilnehmerergebnissen des aktuellen Ringversuchs bezogen auf den Mittelwert (angegeben auf 2 signifikante Stellen)
Kontrollwert ± U (k=2)	Mittelwert der Kontrollmessungen des Veranstalters ± erweiterte Ergebnisunsicherheit des Kontrollwertes (jeweils angegeben auf 3 signifikante Stellen)
Laborcode	anonymisierte, eindeutige Teilnehmerkennung im jeweiligen Ringversuch
Messwert	einzelne(r) Messwert(e) lt. Teilnehmerangabe (maximal 5 Nachkommastellen dargestellt)

Messergebnis	Für die Bewertung herangezogenes Ergebnis lt. Teilnehmerangabe (maximal 5 Nachkommastellen dargestellt). Bei Eignungsprüfungsrunden mit Vorgabe von unabhängigen Mehrfachbestimmungen, entspricht dies dem berechneten Mittelwert aus den einzelnen Messwerten der Teilnehmer.
± U	Ergebnisunsicherheit lt. Teilnehmerangabe (maximal 5 Nachkommastellen dargestellt)
BG	Bestimmungsgrenze
NG	Nachweisgrenze
WF	Wiederfindungsrate in %, bezogen auf den zugewiesenen Wert (angegeben auf 3 signifikante Stellen, dargestellt maximal 1 Nachkommastelle)
MW	Mittelwert
z-Score	Abweichung des Messergebnisses zum zugewiesenen Wert, ausgedrückt als Vielfaches des Kriteriums (angegeben auf 3 signifikante Stellen, dargestellt maximal 2 Nachkommastellen)
E _n -Score	Abweichung des Messergebnisses zum zugewiesenen Wert, ausgedrückt als Vielfaches der kombinierten Messunsicherheiten, bestehend aus erweiterter Unsicherheit des zugewiesenen Wertes und der erweiterten Unsicherheit der Messergebnisse der Teilnehmer (angegeben auf 3 signifikante Stellen, dargestellt maximal 2 Nachkommastellen). Beim E _n -Score erfolgt die Berücksichtigung der Messunsicherheit der Teilnehmer.
-	Keine Daten übermittelt bzw. keine Berechnung möglich
Anmerkungen	Anmerkungen zum jeweiligen Messergebnis (z.B. H, FN, FP)
H	Ausreißer nach dem Hampel-Test
FN	Falsch negativ – Messergebnis kleiner Bestimmungsbzw. 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 Nachweisbzw. Bestimmungsgrenzen ermittelt. Als falsch positiv wird ein Messergebnis bewertet, welches diesen Median um mehr als 100 % übersteigt.

Standardabweichung Vergleichsstandardabweichung berechnet aus den Teilnehmerergebnissen des aktuellen Ringversuchs (angegeben auf 3 signifikante Stellen)

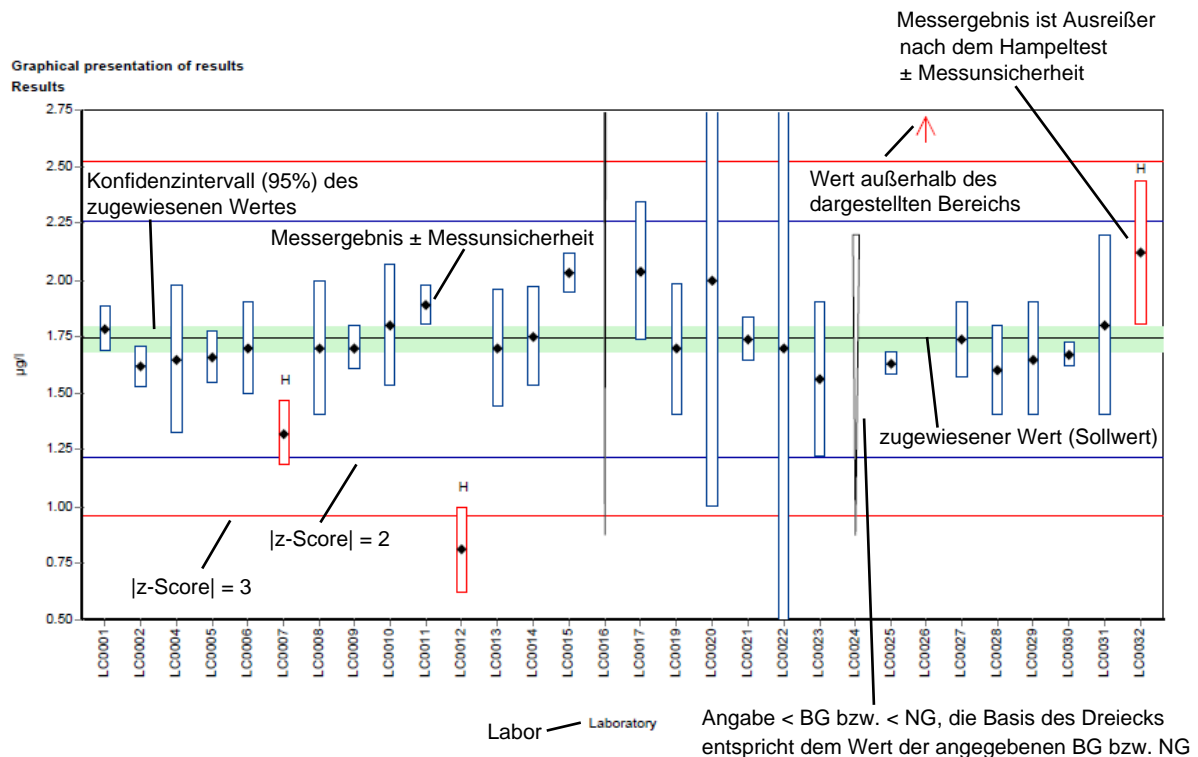
rel. Standardabweichung relative Vergleichsstandardabweichung in %, berechnet aus den Teilnehmerergebnissen des aktuellen Ringversuchs bezogen auf den Mittelwert (angegeben auf 3 signifikante Stellen)

n Anzahl der Messergebnisse

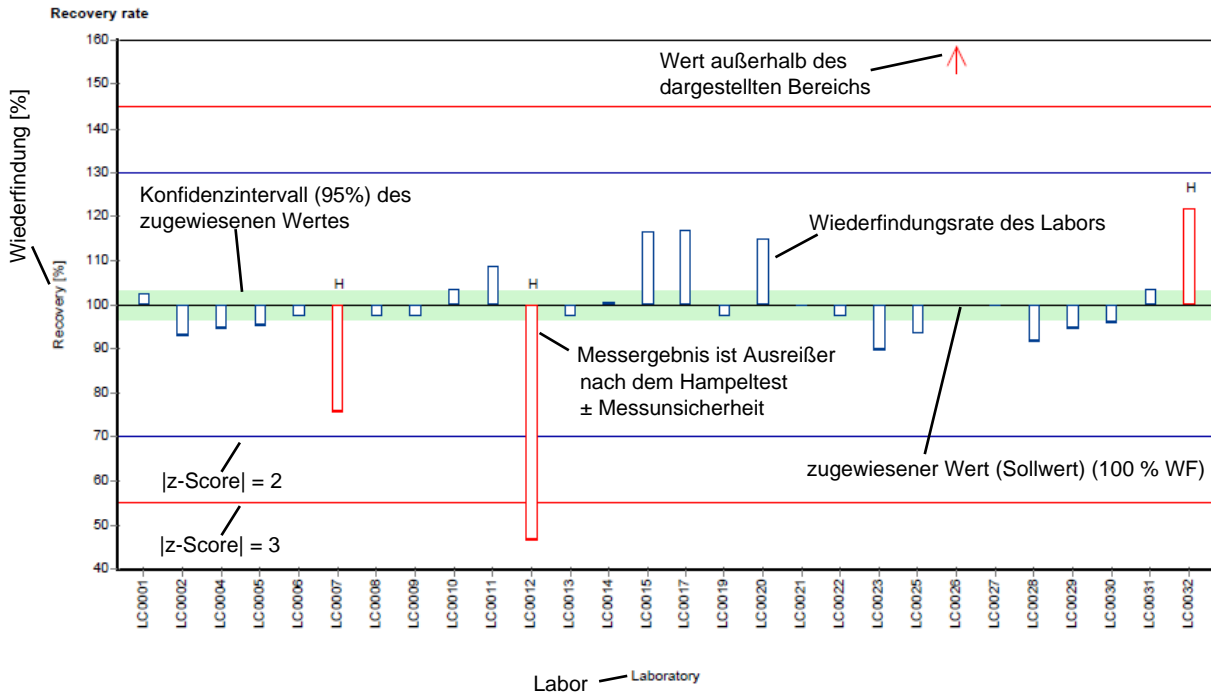
D5.2. Graphische Darstellung der Ergebnisse

Nachfolgend wird die graphische Darstellung anhand von kommentierten Beispieldiagrammen erläutert.

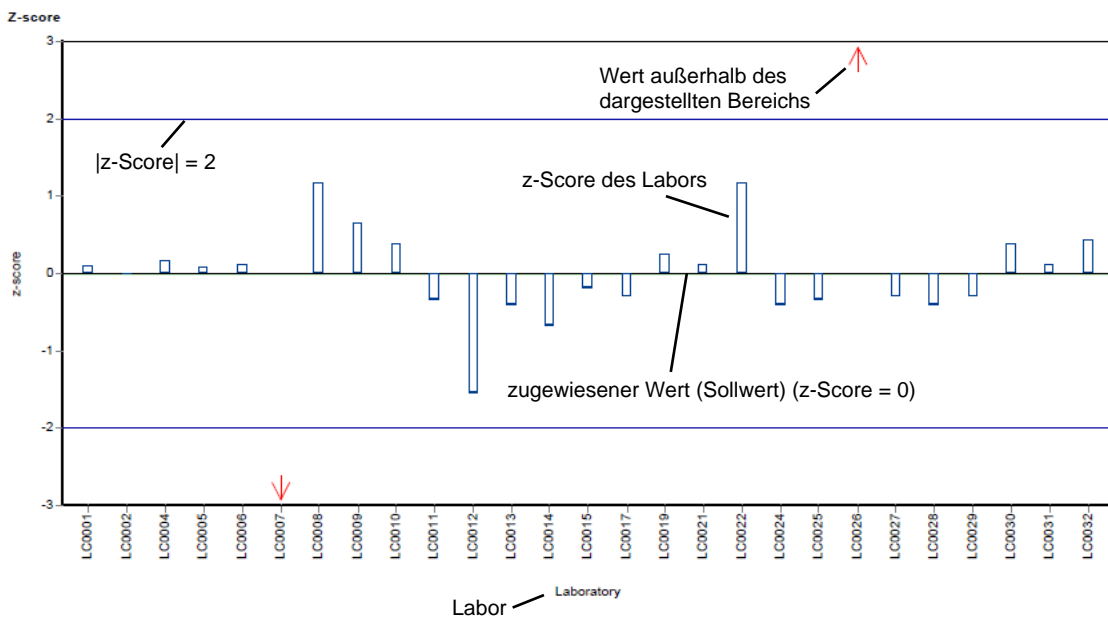
Beispieldiagramm: Messwerte



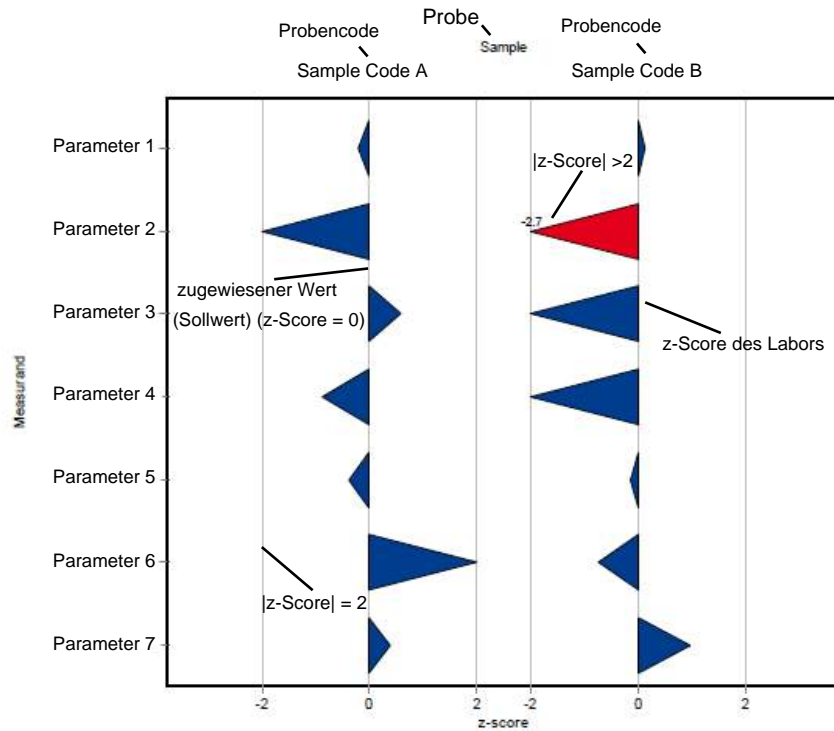
Beispieldiagramm: Wiederfindung zum zugewiesenen Wert



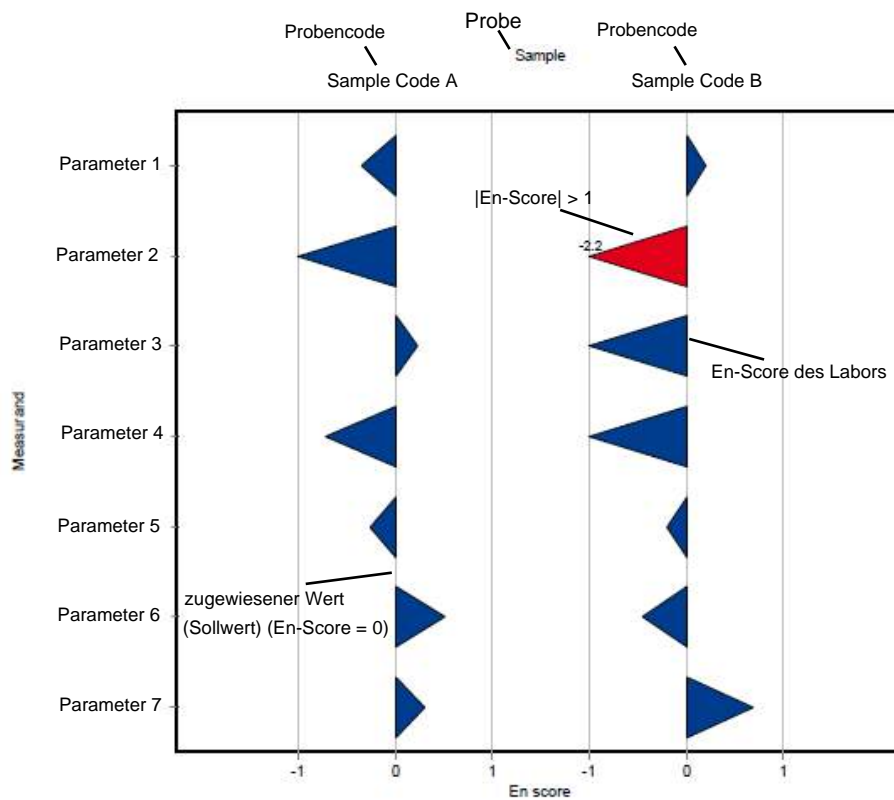
Beispieldiagramm: z-Score



Beispieldiagramm: z-Score (labororientierte Auswertung)



Beispieldiagramm: En-Score (labororientierte Auswertung)



D6. Zusammenfassung

D6.1. Tabelle der zugewiesenen Werte

Parameter	Probe	Einheit	zugewiesener Wert	±	U (k=2)	Kriterium	Kriterium [%]
4-Acetylaminoantipyrin	AZ6 A	µg/l	-	±	-	-	-
	AZ6 B	µg/l	-	±	-	-	-
4-Formylaminoantipyrin	AZ6 A	µg/l	-	±	-	-	-
	AZ6 B	µg/l	-	±	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepin	AZ6 A	µg/l	-	±	-	-	-
	AZ6 B	µg/l	-	±	-	-	-
Acesulfam	AZ6 A	µg/l	0.133	±	0.0101	0.0253	19
	AZ6 B	µg/l	19	±	2	3.75	20
Amidotrizoesäure	AZ6 A	µg/l	0.162	±	0.0256	0.0443	27
	AZ6 B	µg/l	0.986	±	0.0861	0.197	20
Atenolol	AZ6 A	µg/l	0.14	±	0.0199	0.0315	22
	AZ6 B	µg/l	0.515	±	0.0904	0.15	29
Benzotriazol	AZ6 A	µg/l	0.151	±	0.00939	0.0197	13
	AZ6 B	µg/l	7.82	±	0.351	1.02	13
Bisoprolol	AZ6 A	µg/l	-	±	-	-	-
	AZ6 B	µg/l	-	±	-	-	-
Carbamazepin	AZ6 A	µg/l	0.131	±	0.00341	0.0184	14
	AZ6 B	µg/l	0.387	±	0.0241	0.0542	14
Cyclamat	AZ6 A	µg/l	0.0645	±	0.0127	0.0211	33
	AZ6 B	µg/l	0.146	±	0.0396	0.0656	45
Diazepam	AZ6 A	µg/l	-	±	-	-	-
	AZ6 B	µg/l	0.307	±	0.0387	0.0512	17
Diclofenac	AZ6 A	µg/l	0.142	±	0.0135	0.0262	18
	AZ6 B	µg/l	2.48	±	0.148	0.348	14
Ibuprofen	AZ6 A	µg/l	0.479	±	0.00947	0.0479	10
	AZ6 B	µg/l	-	±	-	-	-
Iopamidol	AZ6 A	µg/l	0.229	±	0.0332	0.0599	26
	AZ6 B	µg/l	8.33	±	1	1.67	20
Metoprolol	AZ6 A	µg/l	0.0984	±	0.0113	0.0256	26
	AZ6 B	µg/l	0.251	±	0.0352	0.0654	26
Saccharin	AZ6 A	µg/l	0.0501	±	0.00946	0.0134	27
	AZ6 B	µg/l	0.697	±	0.0403	0.167	24
Sotalol	AZ6 A	µg/l	0.184	±	0.0207	0.0374	20
	AZ6 B	µg/l	0.202	±	0.0319	0.0575	28
Sucralose	AZ6 A	µg/l	0.26	±	0.0491	0.0832	32
	AZ6 B	µg/l	7.71	±	1.06	2.47	32
Sulfamethoxazol	AZ6 A	µg/l	0.0507	±	0.00354	0.00613	12
	AZ6 B	µg/l	0.0362	±	0.00253	0.00435	12

D6.2. Zusammenfassung der ausreißerbereinigten Ringversuchsergebnisse

Parameter	Probe	Anzahl Labors für Berechnung	Anzahl Ausreißer Labors	Einheit	Mittelwert	± VB (99%)	Minimum	Maximum	sR	vR [%]
4-Acetylaminoantipyrin	AZ6 A	4	1	µg/l	-	± -	0.044	0.0536	-	-
	AZ6 B	5	0	µg/l	-	± -	6.26	7.86	-	-
4-Formylaminoantipyrin	AZ6 A	4	0	µg/l	-	± -	0.226	0.245	-	-
	AZ6 B	5	0	µg/l	-	± -	2.07	3.18	-	-
10,11-Dihydro-10,11-	AZ6 A	4	0	µg/l	-	± -	0.0695	0.104	-	-
	AZ6 B	4	0	µg/l	-	± -	0.815	1.2	-	-
Acesulfam	AZ6 A	13	2	µg/l	0.133	± 0.0151	0.111	0.173	0.0181	14
	AZ6 B	14	0	µg/l	19	± 3.01	10.4	23.6	3.75	20
Amidotrizoesäure	AZ6 A	12	0	µg/l	0.162	± 0.0383	0.0829	0.227	0.0443	27
	AZ6 B	11	2	µg/l	0.986	± 0.129	0.73	1.2	0.143	14
Atenolol	AZ6 A	10	0	µg/l	0.14	± 0.0299	0.11	0.207	0.0315	22
	AZ6 B	11	0	µg/l	0.515	± 0.136	0.135	0.676	0.15	29
Benzotriazol	AZ6 A	11	3	µg/l	0.151	± 0.0141	0.114	0.177	0.0156	10
	AZ6 B	11	3	µg/l	7.82	± 0.527	6.62	8.59	0.582	7.4
Bisoprolol	AZ6 A	5	0	µg/l	-	± -	0.0605	0.099	-	-
	AZ6 B	5	1	µg/l	-	± -	0.286	0.408	-	-
Carbamazepin	AZ6 A	13	3	µg/l	0.131	± 0.00512	0.119	0.142	0.00615	4.7
	AZ6 B	13	4	µg/l	0.387	± 0.0361	0.31	0.473	0.0434	11
Cyclamat	AZ6 A	11	0	µg/l	0.0645	± 0.0191	0.039	0.114	0.0211	33
	AZ6 B	11	1	µg/l	0.146	± 0.0593	0.0641	0.282	0.0656	45
Diazepam	AZ6 A	0	0	µg/l	-	± -	-	-	-	-
	AZ6 B	7	0	µg/l	0.307	± 0.0581	0.23	0.376	0.0512	17
Diclofenac	AZ6 A	15	0	µg/l	0.142	± 0.0203	0.077	0.174	0.0262	18
	AZ6 B	12	3	µg/l	2.48	± 0.222	2.08	2.81	0.257	10
Ibuprofen	AZ6 A	7	2	µg/l	0.479	± 0.0142	0.457	0.498	0.0125	2.6
	AZ6 B	5	1	µg/l	-	± -	0.064	0.082	-	-

Parameter	Probe	Anzahl Labors für Berechnung	Anzahl Ausreißer Labors	Einheit	Mittelwert	± VB (99%)	Minimum	Maximum	sR	vR [%]
Iopamidol	AZ6 A	13	0	µg/l	0.229	± 0.0498	0.149	0.34	0.0599	26
	AZ6 B	11	1	µg/l	8.33	± 1.51	5.75	11.4	1.67	20
Metoprolol	AZ6 A	12	1	µg/l	0.0984	± 0.0169	0.059	0.13	0.0196	20
	AZ6 B	13	0	µg/l	0.251	± 0.0528	0.127	0.345	0.0635	25
Saccharin	AZ6 A	8	1	µg/l	0.0501	± 0.0142	0.027	0.068	0.0134	27
	AZ6 B	11	2	µg/l	0.697	± 0.0605	0.533	0.79	0.0669	9.6
Sotalol	AZ6 A	13	0	µg/l	0.184	± 0.0311	0.1	0.237	0.0374	20
	AZ6 B	13	0	µg/l	0.202	± 0.0478	0.107	0.301	0.0575	28
Sucralose	AZ6 A	9	0	µg/l	0.26	± 0.0736	0.174	0.398	0.0736	28
	AZ6 B	8	0	µg/l	7.71	± 1.59	5.87	10.4	1.5	19
Sulfamethoxazol	AZ6 A	12	2	µg/l	0.0507	± 0.00531	0.0349	0.058	0.00613	12
	AZ6 B	11	1	µg/l	0.0362	± 0.00379	0.029	0.0413	0.00419	12

E1. Description of the proficiency test

E1.1. Design and implementation

- Number of registrations: 21
- Number of submitted data records: 21
- Dispatch of samples: 19th March 2019
- Closing date for submission of data: 16th April 2019

The results were submitted electronically through 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 assigned a laboratory code on a random basis.

E1.2. Description of the proficiency test items

The sampling of ground water and surface water was carried out on 18th March 2019.

The following samples were made available:

- 1 sample surface water (AZ6 A)
- 1 sample municipal waste water (AZ6 B)

Both samples were stored at < 4 °C until further processing.

The samples were partly spiked with specific substances and filled into bottles under continuous stirring to obtain homogeneous samples. The stabilization was carried out by cooling and by the addition of sodium azide.

The homogeneous proficiency test items were dispatched on 19th March 2019.

All participating laboratories received:

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

E1.3. Instructions for the participants

For reasons of stability, it was recommended to start the analysis by the 27th March 2019 at the latest.

The participants are expected to use the test method or measurement method of their choice, which should be consistent with their routine procedures.

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 and compared with the reproducibility standard deviation of the current proficiency test.

In the parameter-oriented evaluation (E7), the results of the control testing are given in the form of arithmetic means of the detected concentrations \pm expanded measurement uncertainty as control test value \pm U (expanded uncertainty, k=2).

E1.5. Trend test for stability evaluation

The evaluation of stability of the proficiency test items was performed using data statistics of previous results of proficiency testing rounds for real water samples during the period 2013 to 2018.

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

According to data obtained from previous rounds for real water samples from 2013 to 2018 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 16th April 2019. 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,...) 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 DIN 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 of 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.

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 assurance, the participants can compare their results to the control test values.

E2. Criteria of performance evaluation

E2.1. Performance criterion z-Score

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

z-Scores were calculated based on the following formula:

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

In this context,

x_i	is the measurement value (result) of the participating laboratory
\bar{X}	assigned value the target value for the assessment of the performance of the participants (3 significant digits), normally the average value of the participants' results after removal of outliers; if this approach is not applicable, the target value is assigned according to the procedure given in section E4
Criteria	is the reproducibility standard deviation calculated from previous rounds for proficiency testing for real water samples from 2013 to 2018 (as RSD pooled) or from the participants' results after removal of outliers (sR) in the current round (if less than 6 previous rounds for the parameters of real water samples A and B are available). Where justified (e.g. results for real water samples are close to minimum quantification limit or in case of regulatory requirements) the criteria is defined by expert judgement and the procedure is clearly described in section E4 of the report.

E2.2. Performance criterion E_n-Score

New for the 2019 proficiency testing of real water samples is the additional assessment of the participants' results using E_n-Scores. 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 based on the following formula:

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

In this context,

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

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

Interpretation of z-Scores:

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

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

Interpretation of E_n -Scores:

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

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

E3. Representation and interpretation of measurement results

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

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

The tables also contain the evaluation basis such as the assigned values including 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 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 6 proficiency testing rounds (2013 - 2018) in real samples, evaluation criteria (RSDpool) were calculated. These criteria were compared with the relative reproducibility standard deviation (sR) of the current proficiency testing.

Parameter Ibuprofen, Sample AZ6 A: The relative reproducibility standard deviation for sample A was 2.6%. Therefore, the criterion was adjusted to 10% in this case.

For all other parameters, the higher criterion of the current relative reproducibility standard deviation and the calculated criterion of long-term evaluation was selected as the criterion for calculating the z-score.

E5. Annotations on tables and charts

E5.1. Information and abbreviations in tables

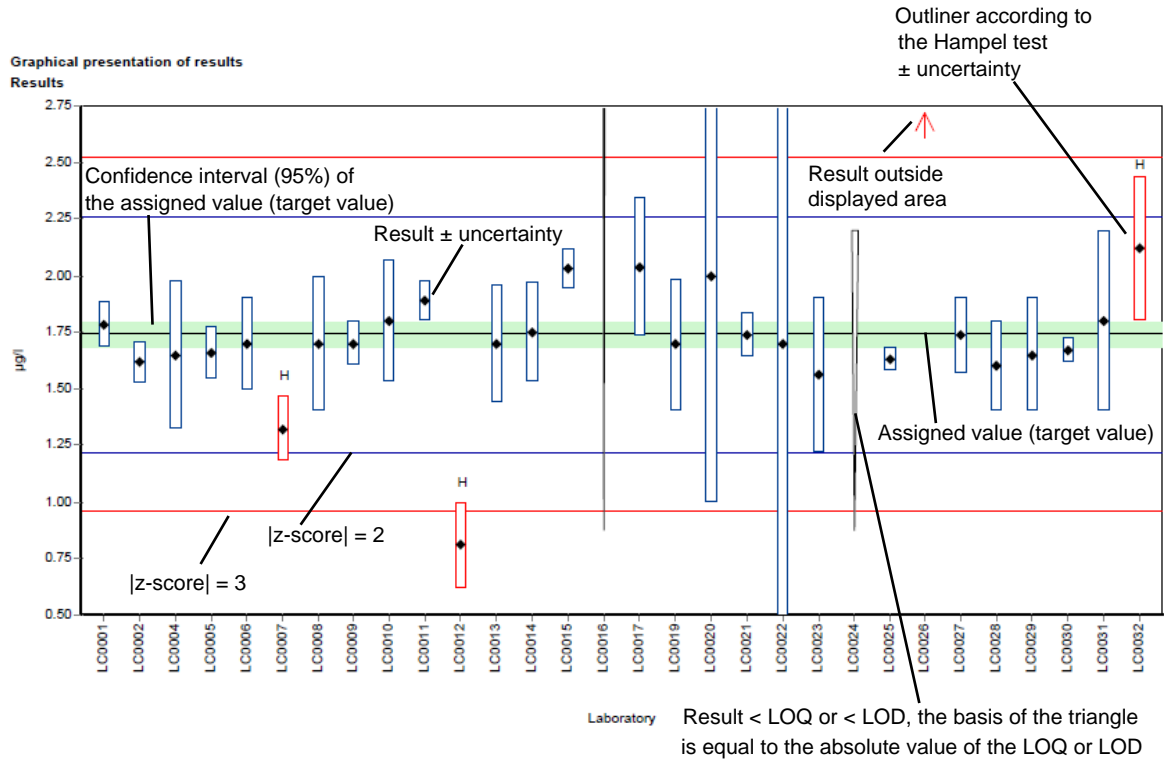
Parameter	Analyte identifier
Sample	Sample identifier
Unit	Given unit for result and uncertainty (e.g. µg/l)
Assigned value	Target value for proficiency assessment of the participants (3 significant digits)
U (k=2)	Expanded uncertainty (k=2) of the assigned value (3 significant digits)
Criterion	Specified value for the determination of the z-score in the given unit (3 significant digits)
Criterion [%]	Specified value for the determination of the z-score in % of the assigned value (3 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)
sR	Reproducibility standard deviation, calculated from the participants results, after removal of outliers (3 significant digits)
vR [%]	Reproducibility standard deviation, calculated from the participants results relative to the target value, given in %, after removal of outliers (2 significant digits)
Control test value ± U (k=2)	Mean of control test value ± expanded measurement uncertainty (3 significant digits)
Labcode	Laboratory identifier (anonymized)
Result ± U	Result as indicated by participant (max. 5 decimal places) uncertainty as indicated by participant (max. 5 decimal places)
LOQ	Limit of quantification
LOD	Limit of detection
Recovery	Recovery rate in % based on assigned value (target value) (3 significant digits, max. one decimal place given)
z-Score	Deviation of result based on the assigned value (target value) given as a multiple of the criteria (3 significant digits, max. 2 decimal places given)
E _n -Score	Deviation of result based on the assigned value (target value) given as a multiple of the combined expanded

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

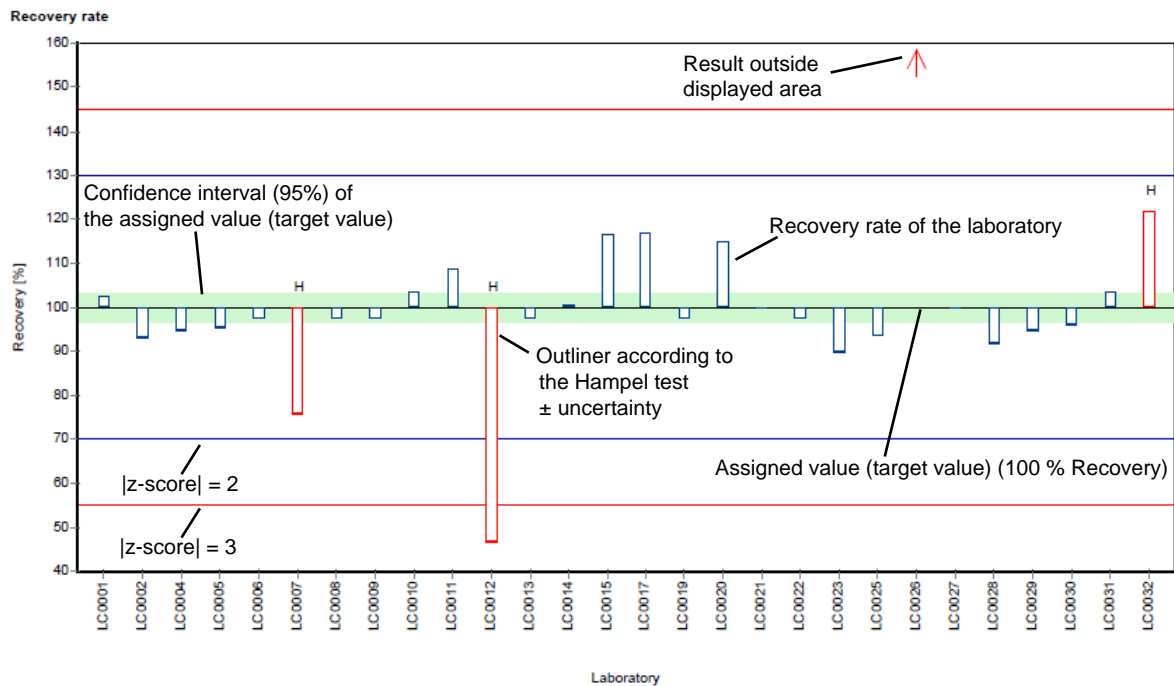
E5.2. Graphical presentation of results

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

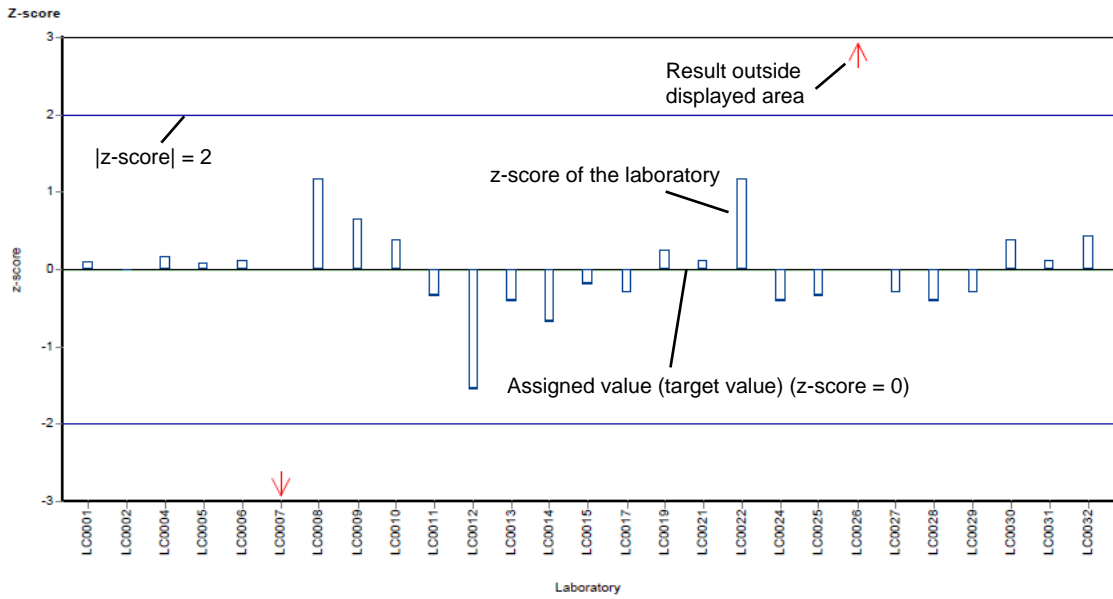
Example chart: Results



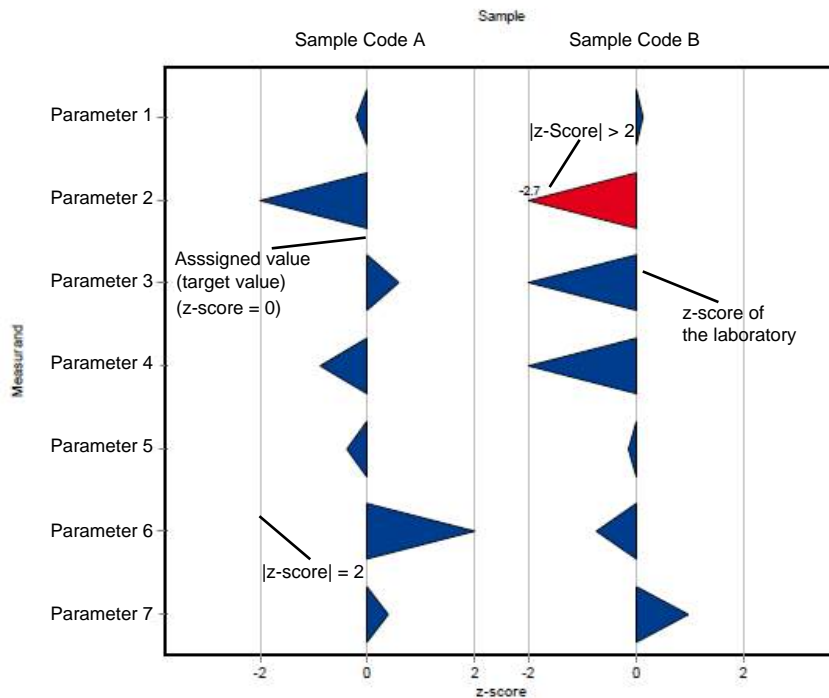
Example chart: Recovery



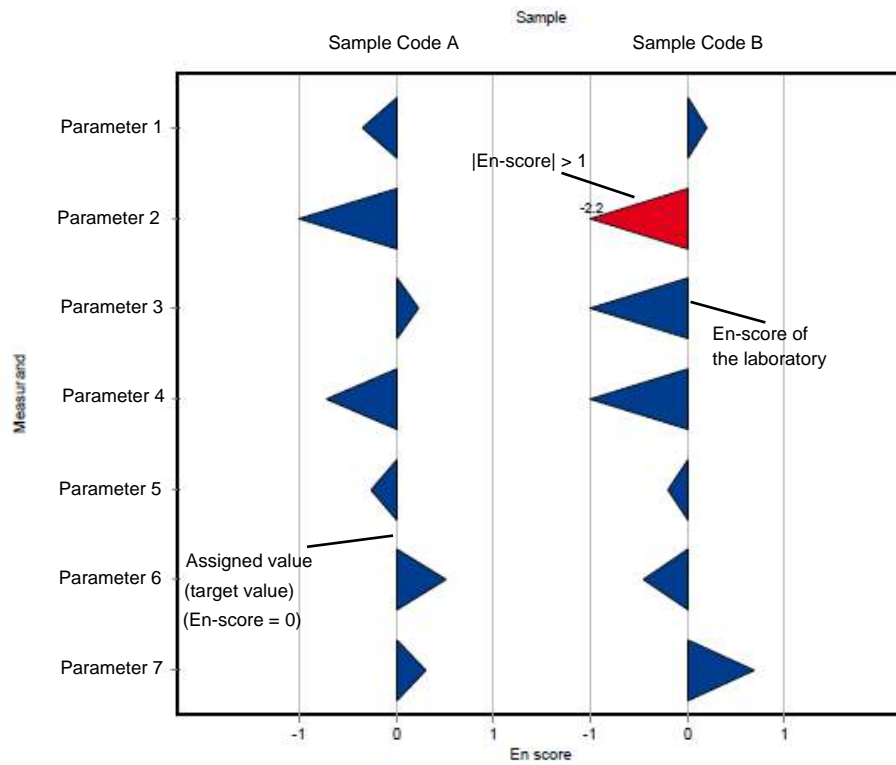
Example chart: z-score



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	AZ6 A	µg/l	- ±	-	-	-
	AZ6 B	µg/l	- ±	-	-	-
4-Formylaminoantipyrine	AZ6 A	µg/l	- ±	-	-	-
	AZ6 B	µg/l	- ±	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	AZ6 A	µg/l	- ±	-	-	-
	AZ6 B	µg/l	- ±	-	-	-
Acesulfame	AZ6 A	µg/l	0.133 ±	0.0101	0.0253	19
	AZ6 B	µg/l	19 ±	2	3.75	20
Amidotrizoic acid	AZ6 A	µg/l	0.162 ±	0.0256	0.0443	27
	AZ6 B	µg/l	0.986 ±	0.0861	0.197	20
Atenolol	AZ6 A	µg/l	0.14 ±	0.0199	0.0315	22
	AZ6 B	µg/l	0.515 ±	0.0904	0.15	29
Benzotriazole	AZ6 A	µg/l	0.151 ±	0.00939	0.0197	13
	AZ6 B	µg/l	7.82 ±	0.351	1.02	13
Bisoprolol	AZ6 A	µg/l	- ±	-	-	-
	AZ6 B	µg/l	- ±	-	-	-
Carbamazepine	AZ6 A	µg/l	0.131 ±	0.00341	0.0184	14
	AZ6 B	µg/l	0.387 ±	0.0241	0.0542	14
Cyclamate	AZ6 A	µg/l	0.0645 ±	0.0127	0.0211	33
	AZ6 B	µg/l	0.146 ±	0.0396	0.0656	45
Diazepam	AZ6 A	µg/l	- ±	-	-	-
	AZ6 B	µg/l	0.307 ±	0.0387	0.0512	17
Diclofenac	AZ6 A	µg/l	0.142 ±	0.0135	0.0262	18
	AZ6 B	µg/l	2.48 ±	0.148	0.348	14
Ibuprofen	AZ6 A	µg/l	0.479 ±	0.00947	0.0479	10
	AZ6 B	µg/l	- ±	-	-	-
Iopamidol	AZ6 A	µg/l	0.229 ±	0.0332	0.0599	26
	AZ6 B	µg/l	8.33 ±	1	1.67	20
Metoprolol	AZ6 A	µg/l	0.0984 ±	0.0113	0.0256	26
	AZ6 B	µg/l	0.251 ±	0.0352	0.0654	26
Saccharin	AZ6 A	µg/l	0.0501 ±	0.00946	0.0134	27
	AZ6 B	µg/l	0.697 ±	0.0403	0.167	24
Sotalol	AZ6 A	µg/l	0.184 ±	0.0207	0.0374	20
	AZ6 B	µg/l	0.202 ±	0.0319	0.0575	28
Sucralose	AZ6 A	µg/l	0.26 ±	0.0491	0.0832	32
	AZ6 B	µg/l	7.71 ±	1.06	2.47	32
Sulfamethoxazole	AZ6 A	µg/l	0.0507 ±	0.00354	0.00613	12
	AZ6 B	µg/l	0.0362 ±	0.00253	0.00435	12

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

Parameter	Sample	Number of results for calculation	Number of outliers	Unit	Mean	± CI (99%)	Minimum	Maximum	sR	vR [%]
4-Acetylaminoantipyrine	AZ6 A	4	1	µg/l	-	± -	0.044	0.0536	-	-
	AZ6 B	5	0	µg/l	-	± -	6.26	7.86	-	-
4-Formylaminoantipyrine	AZ6 A	4	0	µg/l	-	± -	0.226	0.245	-	-
	AZ6 B	5	0	µg/l	-	± -	2.07	3.18	-	-
10,11-Dihydro-10,11-	AZ6 A	4	0	µg/l	-	± -	0.0695	0.104	-	-
	AZ6 B	4	0	µg/l	-	± -	0.815	1.2	-	-
Acesulfame	AZ6 A	13	2	µg/l	0.133	± 0.0151	0.111	0.173	0.0181	14
	AZ6 B	14	0	µg/l	19	± 3.01	10.4	23.6	3.75	20
Amidotrizoic acid	AZ6 A	12	0	µg/l	0.162	± 0.0383	0.0829	0.227	0.0443	27
	AZ6 B	11	2	µg/l	0.986	± 0.129	0.73	1.2	0.143	14
Atenolol	AZ6 A	10	0	µg/l	0.14	± 0.0299	0.11	0.207	0.0315	22
	AZ6 B	11	0	µg/l	0.515	± 0.136	0.135	0.676	0.15	29
Benzotriazole	AZ6 A	11	3	µg/l	0.151	± 0.0141	0.114	0.177	0.0156	10
	AZ6 B	11	3	µg/l	7.82	± 0.527	6.62	8.59	0.582	7.4
Bisoprolol	AZ6 A	5	0	µg/l	-	± -	0.0605	0.099	-	-
	AZ6 B	5	1	µg/l	-	± -	0.286	0.408	-	-
Carbamazepine	AZ6 A	13	3	µg/l	0.131	± 0.00512	0.119	0.142	0.00615	4.7
	AZ6 B	13	4	µg/l	0.387	± 0.0361	0.31	0.473	0.0434	11
Cyclamate	AZ6 A	11	0	µg/l	0.0645	± 0.0191	0.039	0.114	0.0211	33
	AZ6 B	11	1	µg/l	0.146	± 0.0593	0.0641	0.282	0.0656	45
Diazepam	AZ6 A	0	0	µg/l	-	± -	-	-	-	-
	AZ6 B	7	0	µg/l	0.307	± 0.0581	0.23	0.376	0.0512	17
Diclofenac	AZ6 A	15	0	µg/l	0.142	± 0.0203	0.077	0.174	0.0262	18
	AZ6 B	12	3	µg/l	2.48	± 0.222	2.08	2.81	0.257	10
Ibuprofen	AZ6 A	7	2	µg/l	0.479	± 0.0142	0.457	0.498	0.0125	2.6
	AZ6 B	5	1	µg/l	-	± -	0.064	0.082	-	-
Iopamidol	AZ6 A	13	0	µg/l	0.229	± 0.0498	0.149	0.34	0.0599	26

Parameter	Sample	Number of results for calculation	Number of outliers	Unit	Mean	± CI (99%)	Minimum	Maximum	sR	vR [%]
Iopamidol	AZ6 B	11	1	µg/l	8.33	± 1.51	5.75	11.4	1.67	20
Metoprolol	AZ6 A	12	1	µg/l	0.0984	± 0.0169	0.059	0.13	0.0196	20
	AZ6 B	13	0	µg/l	0.251	± 0.0528	0.127	0.345	0.0635	25
Saccharin	AZ6 A	8	1	µg/l	0.0501	± 0.0142	0.027	0.068	0.0134	27
	AZ6 B	11	2	µg/l	0.697	± 0.0605	0.533	0.79	0.0669	9.6
Sotalol	AZ6 A	13	0	µg/l	0.184	± 0.0311	0.1	0.237	0.0374	20
	AZ6 B	13	0	µg/l	0.202	± 0.0478	0.107	0.301	0.0575	28
Sucralose	AZ6 A	9	0	µg/l	0.26	± 0.0736	0.174	0.398	0.0736	28
	AZ6 B	8	0	µg/l	7.71	± 1.59	5.87	10.4	1.5	19
Sulfamethoxazole	AZ6 A	12	2	µg/l	0.0507	± 0.00531	0.0349	0.058	0.00613	12
	AZ6 B	11	1	µg/l	0.0362	± 0.00379	0.029	0.0413	0.00419	12

E7. Parameterorientierte Auswertung / Parameter oriented report

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n

n

Parameter oriented report

AZ6 A

4-Acetylaminoantipyrine

Unit	µg/l
Assigned value ± U (k=2)	-
Criterion	-
Minimum - Maximum	0.044 - 0.0536
Control test value ± U (k=2)	0.0477 ± 0.00955

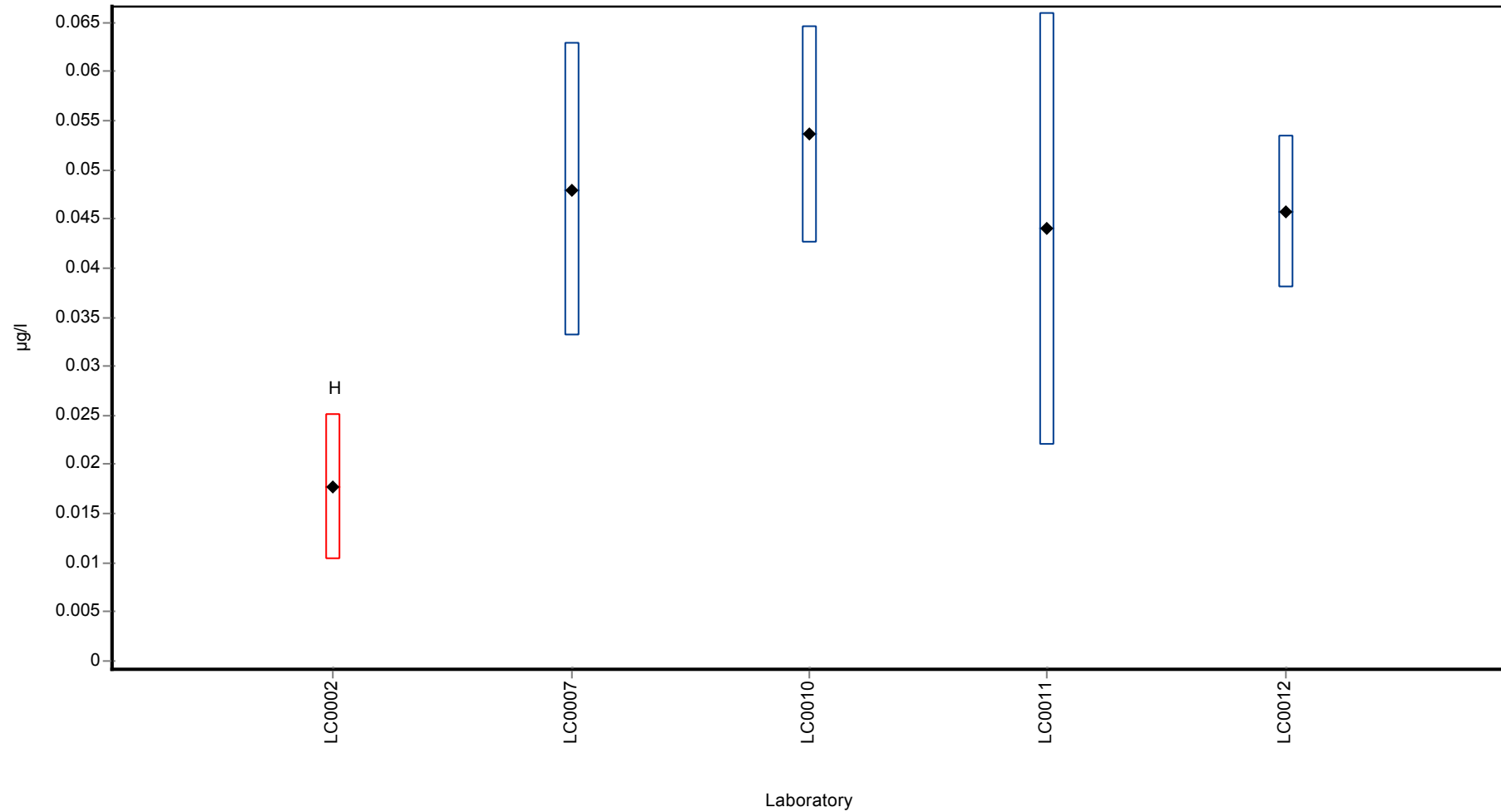
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	0.0177	0.0074	-	-	H
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	-	-	-	-	
LC0006	-	-	-	-	
LC0007	0.048	0.015	-	-	
LC0008	-	-	-	-	
LC0009	-	-	-	-	
LC0010	0.0536	0.011	-	-	
LC0011	0.044	0.022	-	-	
LC0012	0.0457	0.0078	-	-	
LC0013	-	-	-	-	
LC0014	-	-	-	-	
LC0015	-	-	-	-	
LC0016	-	-	-	-	
LC0017	-	-	-	-	
LC0018	-	-	-	-	
LC0019	-	-	-	-	
LC0020	-	-	-	-	
LC0021	-	-	-	-	

Characteristics of parameter

	all results	without outliers	Unit
Mean ± CI (99%)	0.0418 ± 0.0187	-	µg/l
Minimum	0.0177	0.044	µg/l
Maximum	0.0536	0.0536	µg/l
Standard deviation	0.014	-	µg/l
rel. standard deviation	33.4	-	%
n	5	4	-

Graphical presentation of results

Results



Parameter oriented report

AZ6 B

4-Acetylaminoantipyrine

Unit	µg/l
Assigned value ± U (k=2)	-
Criterion	-
Minimum - Maximum	6.26 - 7.86
Control test value ± U (k=2)	7.37 ± 1.47

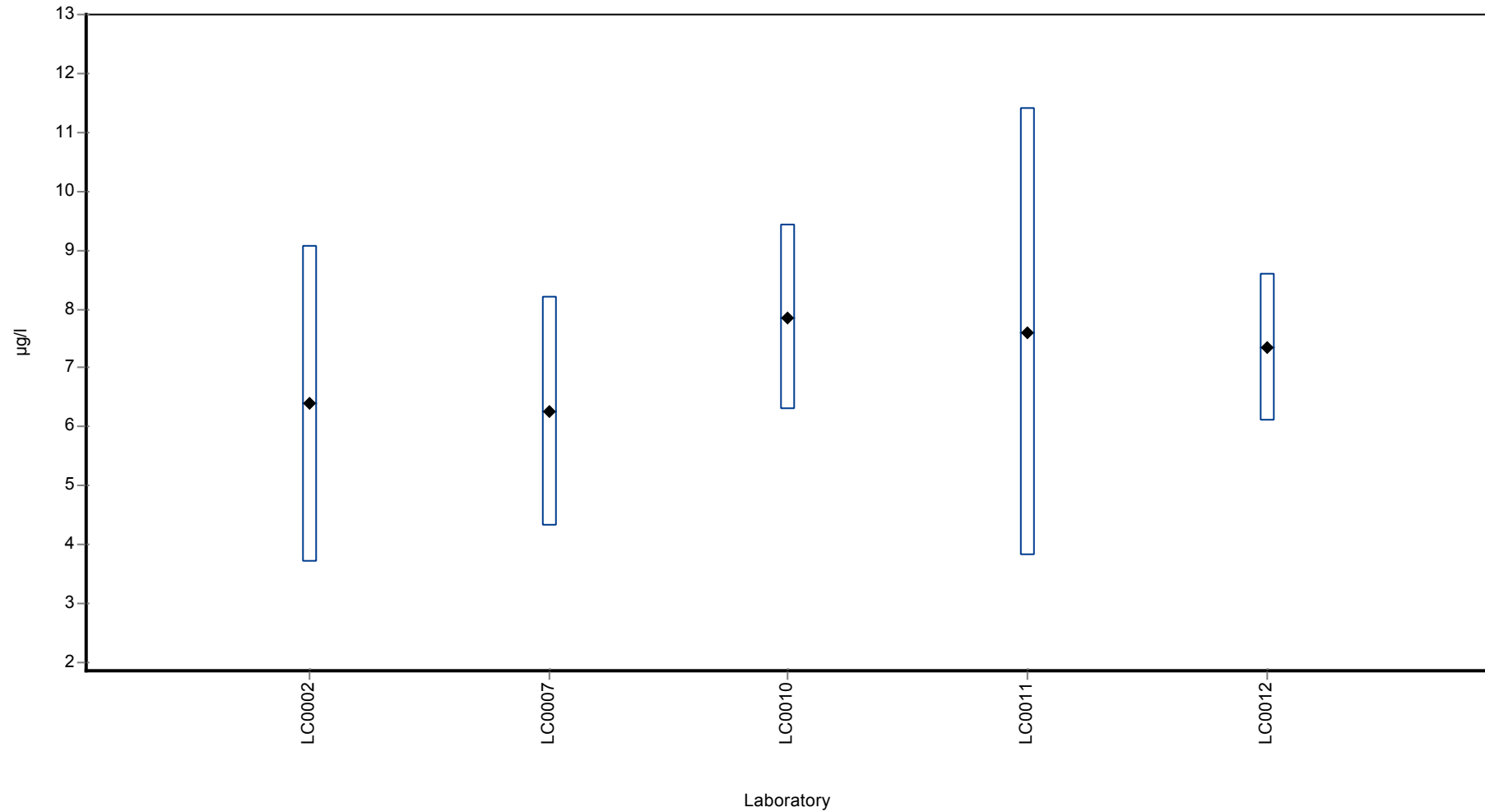
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	6.39	2.68	-	-	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	-	-	-	-	
LC0006	-	-	-	-	
LC0007	6.26	1.941	-	-	
LC0008	-	-	-	-	
LC0009	-	-	-	-	
LC0010	7.858	1.57	-	-	
LC0011	7.61	3.81	-	-	
LC0012	7.34	1.248	-	-	
LC0013	-	-	-	-	
LC0014	-	-	-	-	
LC0015	-	-	-	-	
LC0016	-	-	-	-	
LC0017	-	-	-	-	
LC0018	-	-	-	-	
LC0019	-	-	-	-	
LC0020	-	-	-	-	
LC0021	-	-	-	-	

Characteristics of parameter

	all results	without outliers	Unit
Mean ± CI (99%)	7.09 ± 0.972	-	µg/l
Minimum	6.26	6.26	µg/l
Maximum	7.86	7.86	µg/l
Standard deviation	0.725	-	µg/l
rel. standard deviation	10.2	-	%
n	5	5	-

Graphical presentation of results

Results



Parameter oriented report

AZ6 A

4-Formylaminoantipyrine

Unit	µg/l
Assigned value ± U (k=2)	-
Criterion	-
Minimum - Maximum	0.226 - 0.245
Control test value ± U (k=2)	0.249 ± 0.0423

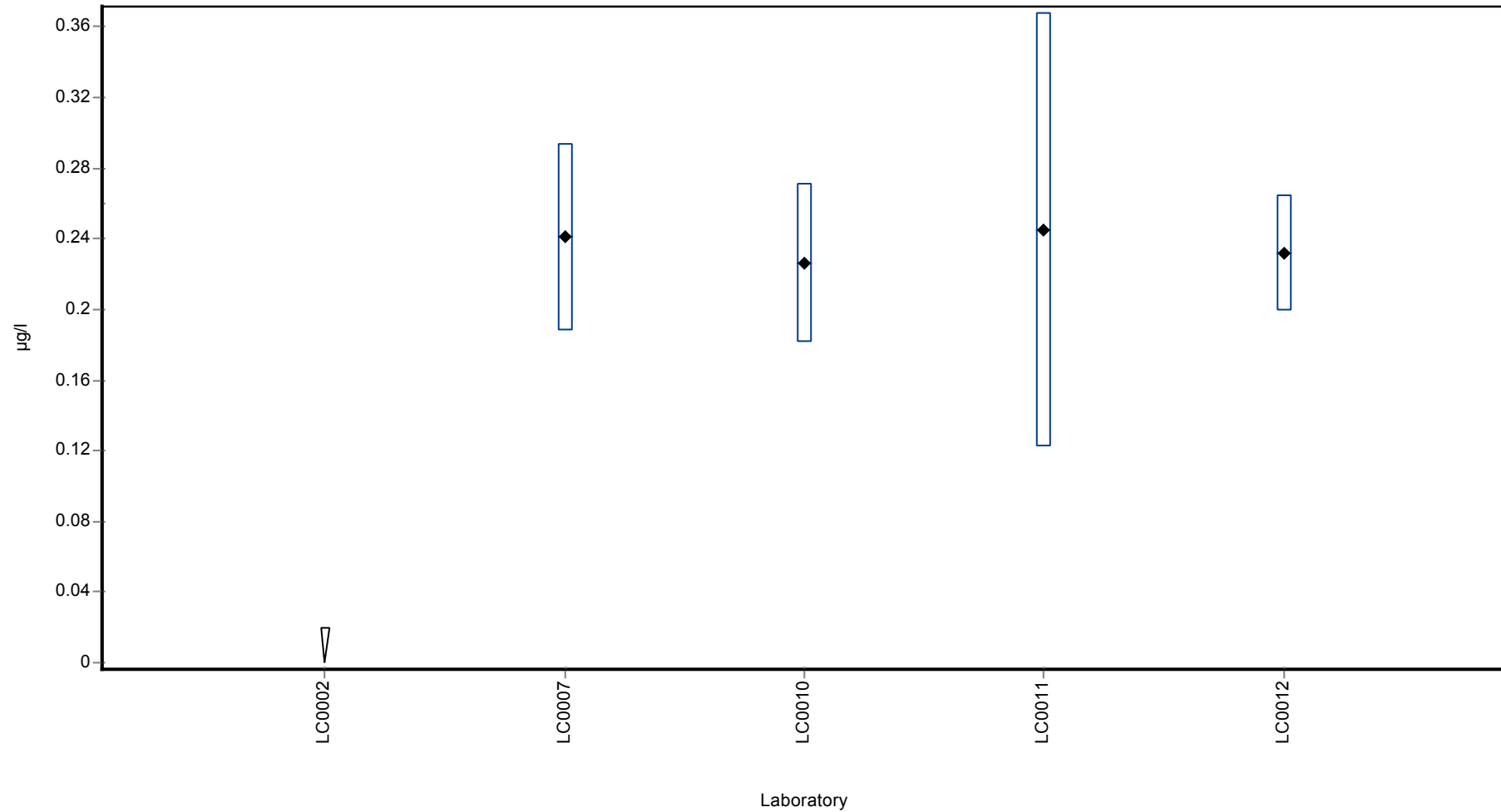
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	< 0.02 (LOQ)	-	-	-	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	-	-	-	-	
LC0006	-	-	-	-	
LC0007	0.241	0.053	-	-	
LC0008	-	-	-	-	
LC0009	-	-	-	-	
LC0010	0.226	0.045	-	-	
LC0011	0.245	0.123	-	-	
LC0012	0.232	0.033	-	-	
LC0013	-	-	-	-	
LC0014	-	-	-	-	
LC0015	-	-	-	-	
LC0016	-	-	-	-	
LC0017	-	-	-	-	
LC0018	-	-	-	-	
LC0019	-	-	-	-	
LC0020	-	-	-	-	
LC0021	-	-	-	-	

Characteristics of parameter

	all results	without outliers	Unit
Mean ± CI (99%)	0.236 ± 0.0129	-	µg/l
Minimum	0.226	0.226	µg/l
Maximum	0.245	0.245	µg/l
Standard deviation	0.0086	-	µg/l
rel. standard deviation	3.64	-	%
n	4	4	-

Graphical presentation of results

Results



Parameter oriented report

AZ6 B

4-Formylaminoantipyrine

Unit	µg/l
Assigned value ± U (k=2)	-
Criterion	-
Minimum - Maximum	2.07 - 3.18
Control test value ± U (k=2)	2.83 ± 0.481

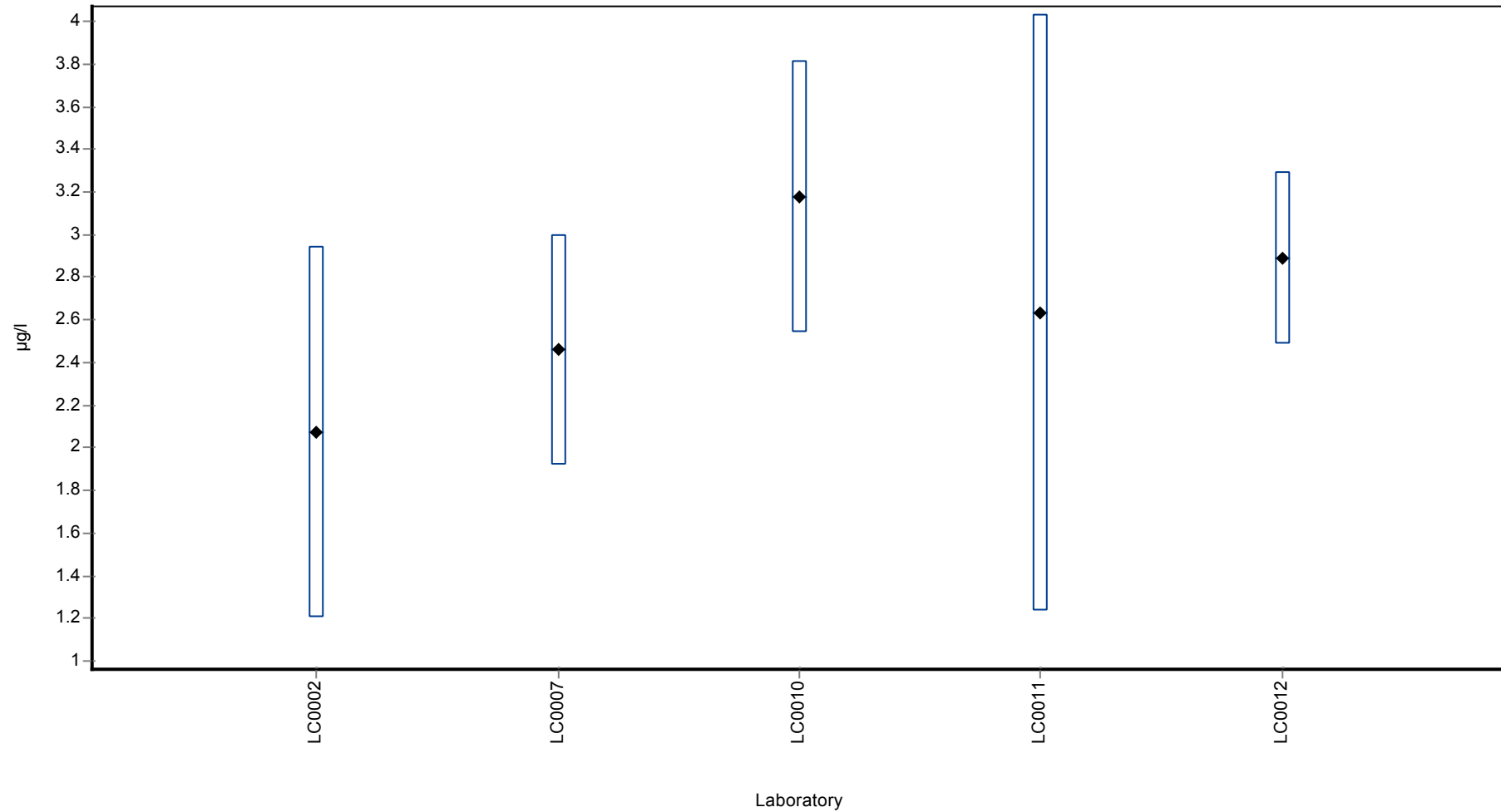
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	2.07	0.87	-	-	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	-	-	-	-	
LC0006	-	-	-	-	
LC0007	2.46	0.541	-	-	
LC0008	-	-	-	-	
LC0009	-	-	-	-	
LC0010	3.178	0.636	-	-	
LC0011	2.63	1.4	-	-	
LC0012	2.89	0.405	-	-	
LC0013	-	-	-	-	
LC0014	-	-	-	-	
LC0015	-	-	-	-	
LC0016	-	-	-	-	
LC0017	-	-	-	-	
LC0018	-	-	-	-	
LC0019	-	-	-	-	
LC0020	-	-	-	-	
LC0021	-	-	-	-	

Characteristics of parameter

	all results	without outliers	Unit
Mean ± CI (99%)	2.65 ± 0.565	-	µg/l
Minimum	2.07	2.07	µg/l
Maximum	3.18	3.18	µg/l
Standard deviation	0.421	-	µg/l
rel. standard deviation	15.9	-	%
n	5	5	-

Graphical presentation of results

Results



Parameter oriented report

AZ6 A

10,11-Dihydro-10,11-Dihydroxycarbamazepine

Unit	µg/l
Assigned value ± U (k=2)	-
Criterion	-
Minimum - Maximum	0.0695 - 0.104
Control test value ± U (k=2)	0.0739 ± 0.0111

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	-	-	-	-	
LC0006	-	-	-	-	
LC0007	0.104	0.028	-	-	
LC0008	-	-	-	-	
LC0009	-	-	-	-	
LC0010	0.0777	0.016	-	-	
LC0011	-	-	-	-	
LC0012	0.0695	0.0104	-	-	
LC0013	-	-	-	-	
LC0014	-	-	-	-	
LC0015	-	-	-	-	
LC0016	-	-	-	-	
LC0017	-	-	-	-	
LC0018	-	-	-	-	
LC0019	0.0762	0.019	-	-	
LC0020	-	-	-	-	
LC0021	-	-	-	-	

Characteristics of parameter

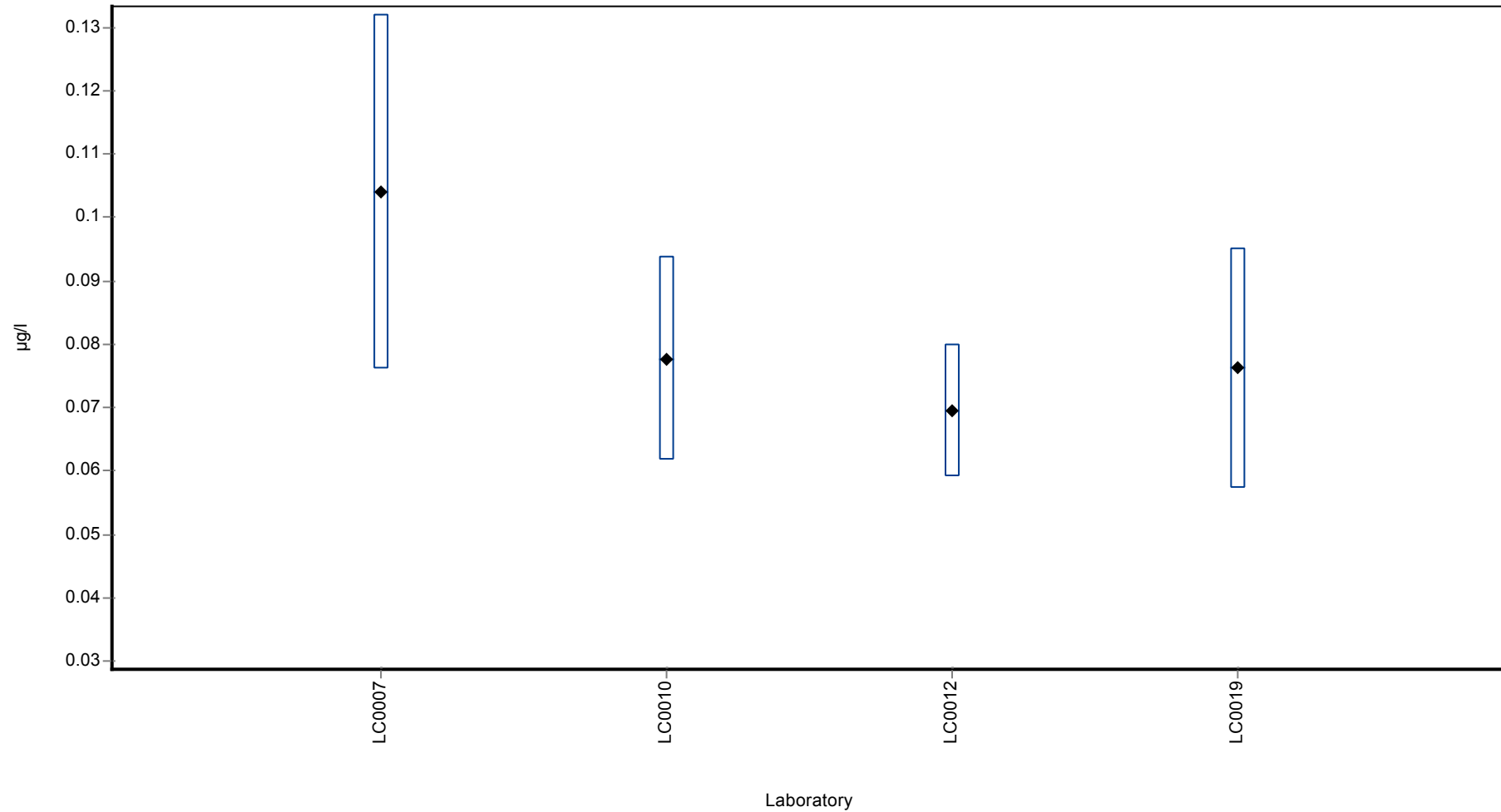
	all results	without outliers	Unit
Mean ± CI (99%)	0.0819 ± 0.0228	-	µg/l
Minimum	0.0695	0.0695	µg/l
Maximum	0.104	0.104	µg/l
Standard deviation	0.0152	-	µg/l
rel. standard deviation	18.6	-	%
n	4	4	-

Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ6

Sample: AZ6A, Parameter: 10,11-Dihydro-10,11-Dihydroxycarbamazepine

Graphical presentation of results

Results



Parameter oriented report

AZ6 B

10,11-Dihydro-10,11-Dihydroxycarbamazepine

Unit	µg/l
Assigned value ± U (k=2)	-
Criterion	-
Minimum - Maximum	0.815 - 1.2
Control test value ± U (k=2)	0.915 ± 0.137

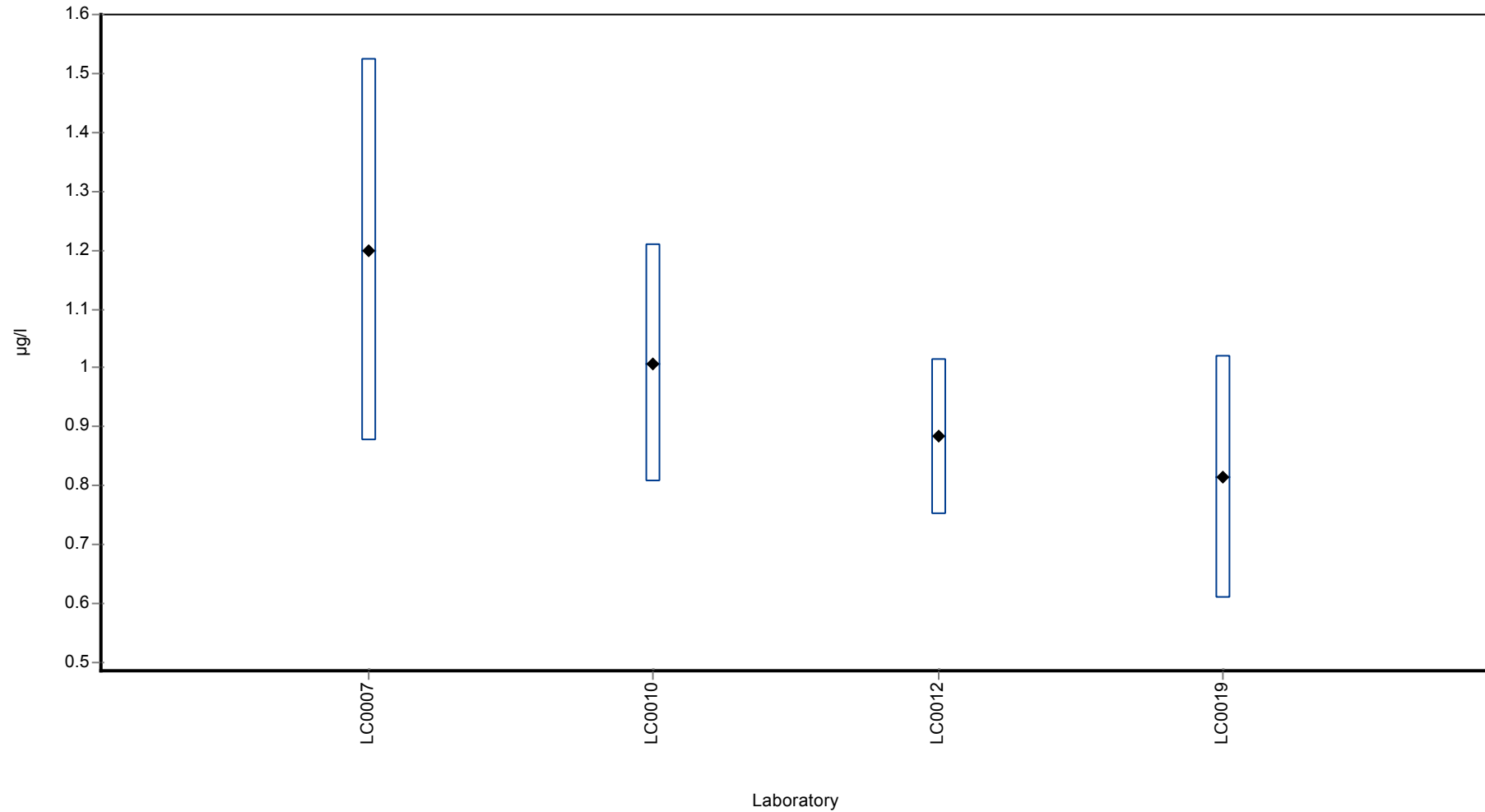
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	-	-	-	-	
LC0006	-	-	-	-	
LC0007	1.2	0.324	-	-	
LC0008	-	-	-	-	
LC0009	-	-	-	-	
LC0010	1.008	0.202	-	-	
LC0011	-	-	-	-	
LC0012	0.883	0.132	-	-	
LC0013	-	-	-	-	
LC0014	-	-	-	-	
LC0015	-	-	-	-	
LC0016	-	-	-	-	
LC0017	-	-	-	-	
LC0018	-	-	-	-	
LC0019	0.8146	0.206	-	-	
LC0020	-	-	-	-	
LC0021	-	-	-	-	

Characteristics of parameter

	all results	without outliers	Unit
Mean ± CI (99%)	0.976 ± 0.254	-	µg/l
Minimum	0.815	0.815	µg/l
Maximum	1.2	1.2	µg/l
Standard deviation	0.169	-	µg/l
rel. standard deviation	17.3	-	%
n	4	4	-

Graphical presentation of results

Results



Parameter oriented report

AZ6 A

Acesulfame

Unit	µg/l
Assigned value ± U (k=2)	0.133 ± 0.0101
Criterion	0.0253 (19 %)
Minimum - Maximum	0.111 - 0.173
Control test value ± U (k=2)	0.157 ± 0.0236

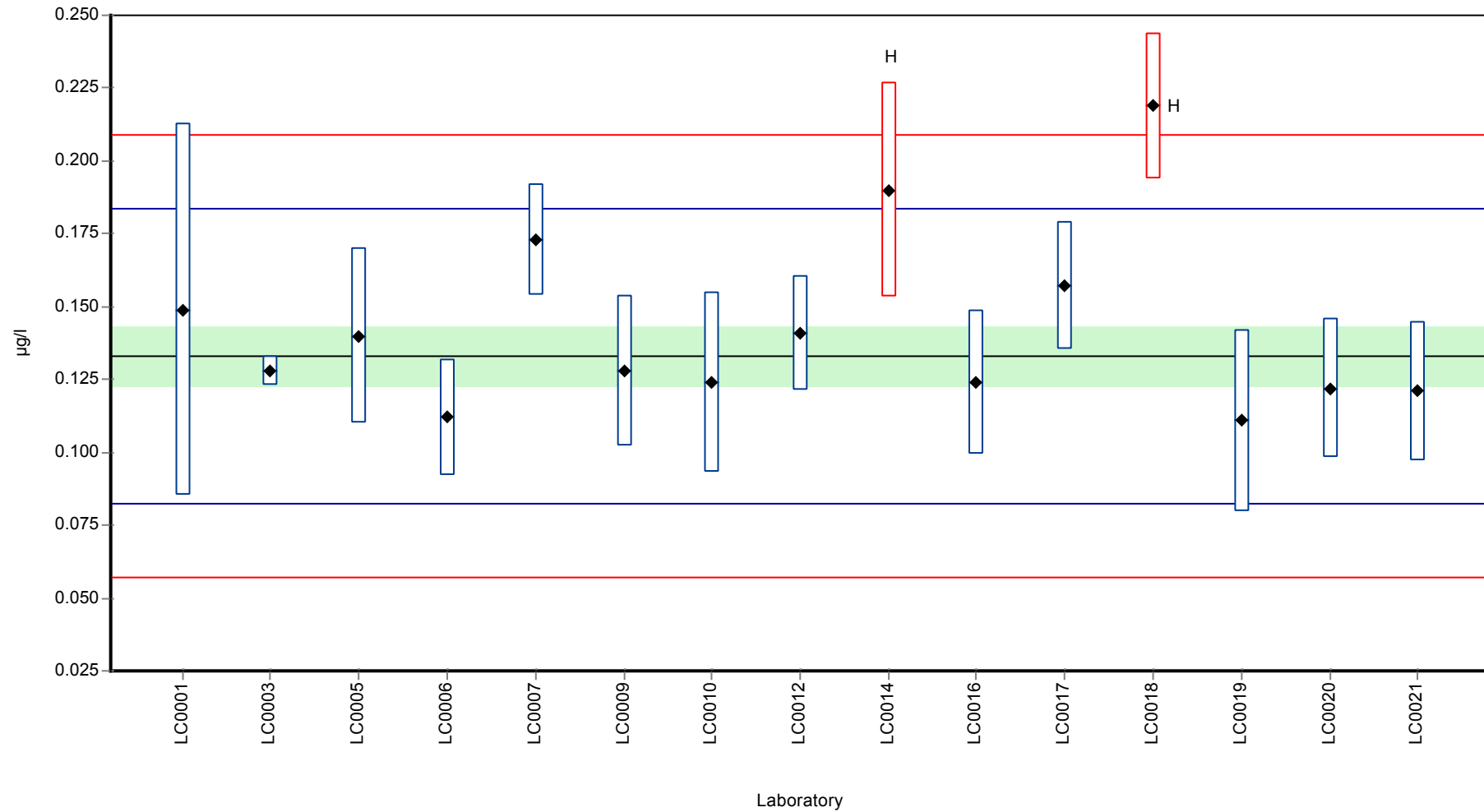
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.149	0.064	112	0.63	
LC0002	-	-	-	-	
LC0003	0.128	0.00499	96.2	-0.2	
LC0004	-	-	-	-	
LC0005	0.14	0.03	105	0.28	
LC0006	0.112	0.02	84.2	-0.83	
LC0007	0.173	0.019	130	1.58	
LC0008	-	-	-	-	
LC0009	0.128	0.026	96.2	-0.2	
LC0010	0.124	0.031	93.2	-0.36	
LC0011	-	-	-	-	
LC0012	0.1407	0.0197	106	0.3	
LC0013	-	-	-	-	
LC0014	0.19	0.037	143	2.25	H
LC0015	-	-	-	-	
LC0016	0.124	0.025	93.2	-0.36	
LC0017	0.157	0.022	118	0.95	
LC0018	0.219	0.025	165	3.4	H
LC0019	0.1108	0.031	83.3	-0.88	
LC0020	0.122	0.024	91.7	-0.44	
LC0021	0.121	0.024	91	-0.48	

Characteristics of parameter

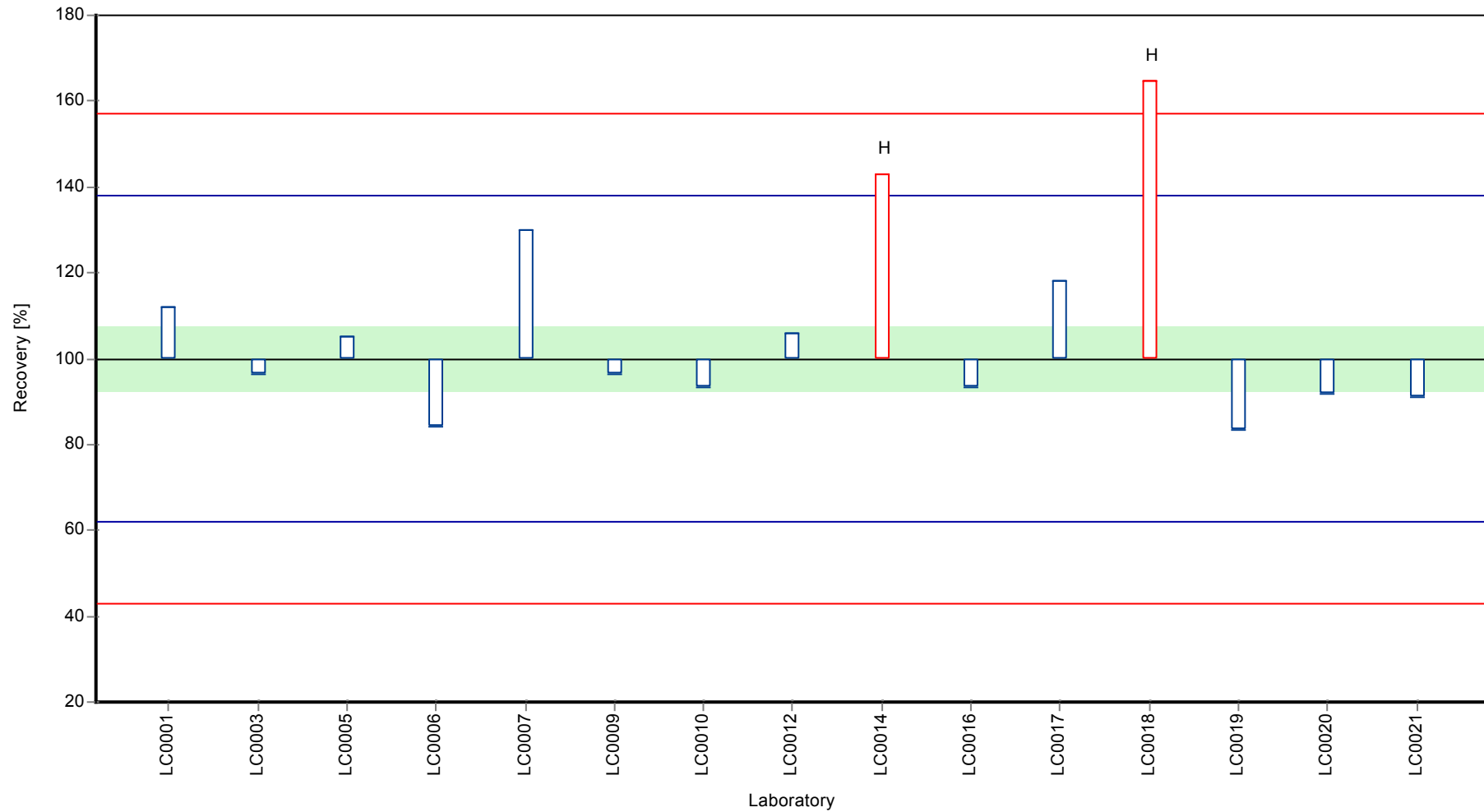
	all results	without outliers	Unit
Mean ± CI (99%)	0.143 ± 0.0238	0.133 ± 0.0151	µg/l
Minimum	0.111	0.111	µg/l
Maximum	0.219	0.173	µg/l
Standard deviation	0.0307	0.0181	µg/l
rel. standard deviation	21.6	13.6	%
n	15	13	-

Graphical presentation of results

Results



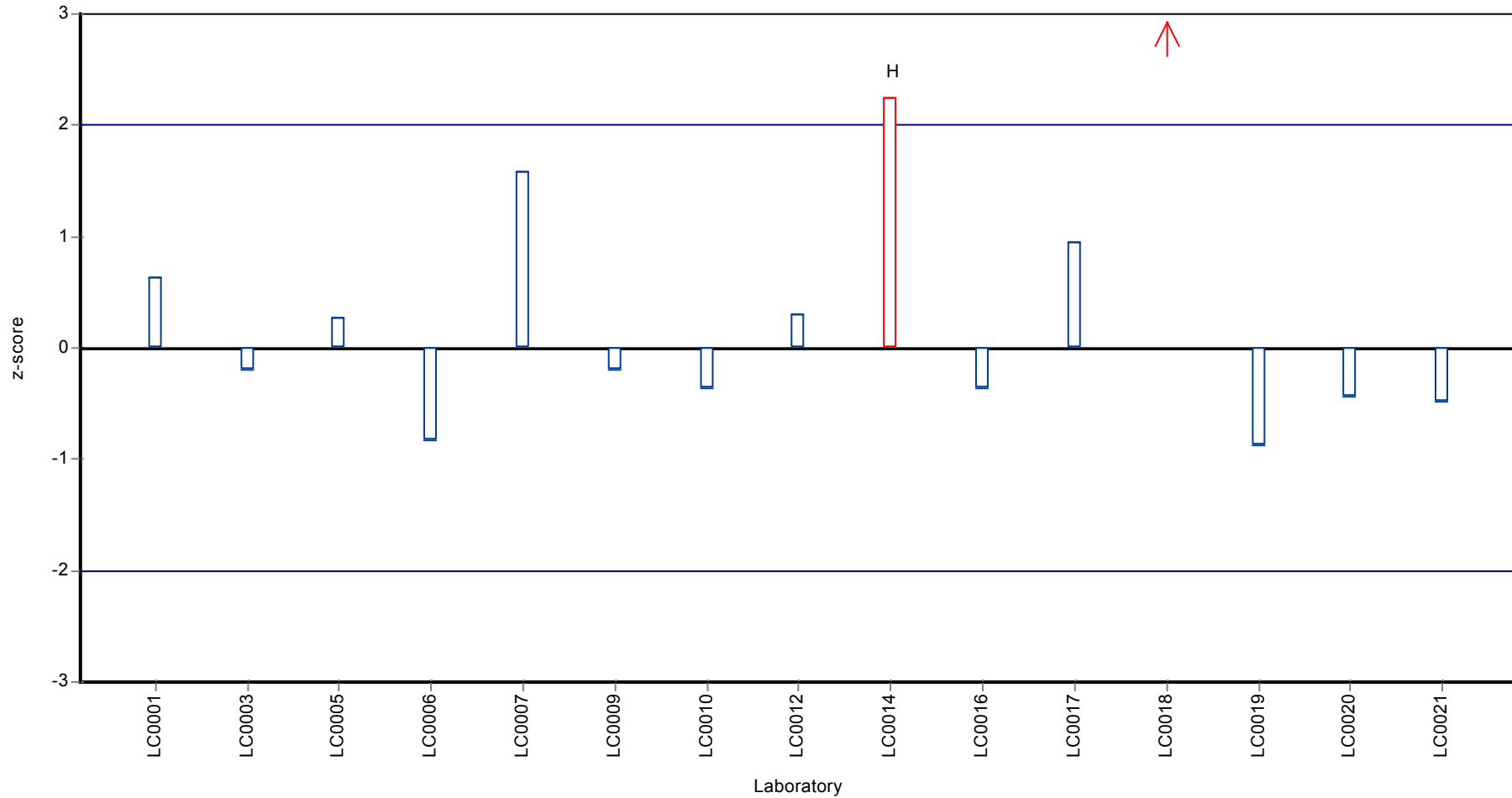
Recovery rate



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ6

Sample: AZ6A, Parameter: Acesulfame

Z-score



Parameter oriented report

AZ6 B

Acesulfame

Unit	µg/l
Assigned value ± U (k=2)	19 ± 2
Criterion	3.75 (20 %)
Minimum - Maximum	10.4 - 23.6
Control test value ± U (k=2)	22.1 ± 3.31

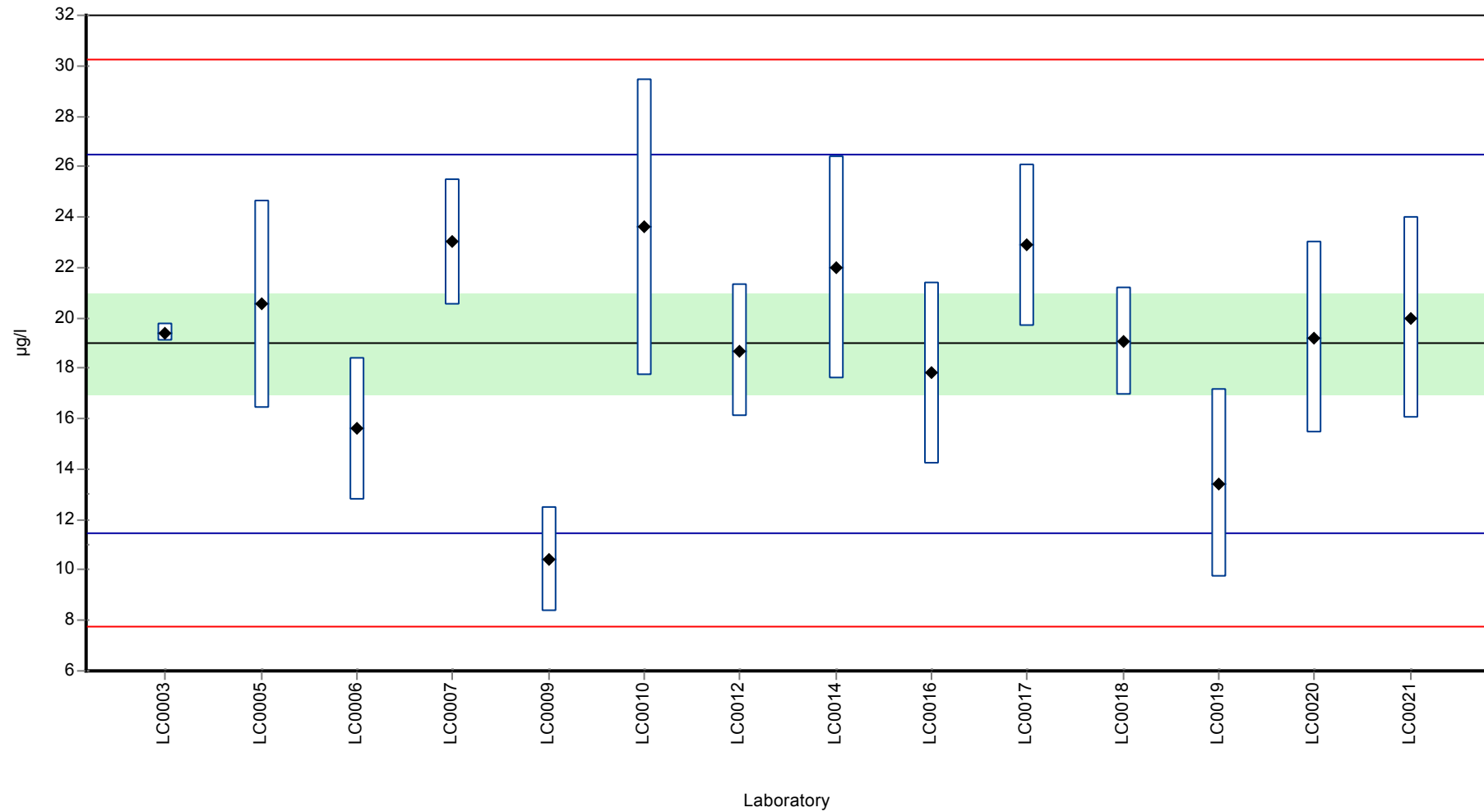
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	19.4099	0.34161	102	0.12	
LC0004	-	-	-	-	
LC0005	20.53	4.11	108	0.42	
LC0006	15.6	2.81	82.2	-0.9	
LC0007	23	2.53	121	1.08	
LC0008	-	-	-	-	
LC0009	10.4	2.09	54.8	-2.29	
LC0010	23.59	5.89	124	1.23	
LC0011	-	-	-	-	
LC0012	18.7	2.616	98.6	-0.07	
LC0013	-	-	-	-	
LC0014	21.99	4.4	116	0.81	
LC0015	-	-	-	-	
LC0016	17.8	3.6	93.8	-0.31	
LC0017	22.876	3.203	121	1.04	
LC0018	19.052	2.13	100	0.02	
LC0019	13.43	3.72	70.8	-1.48	
LC0020	19.2	3.8	101	0.06	
LC0021	20	4	105	0.28	

Characteristics of parameter

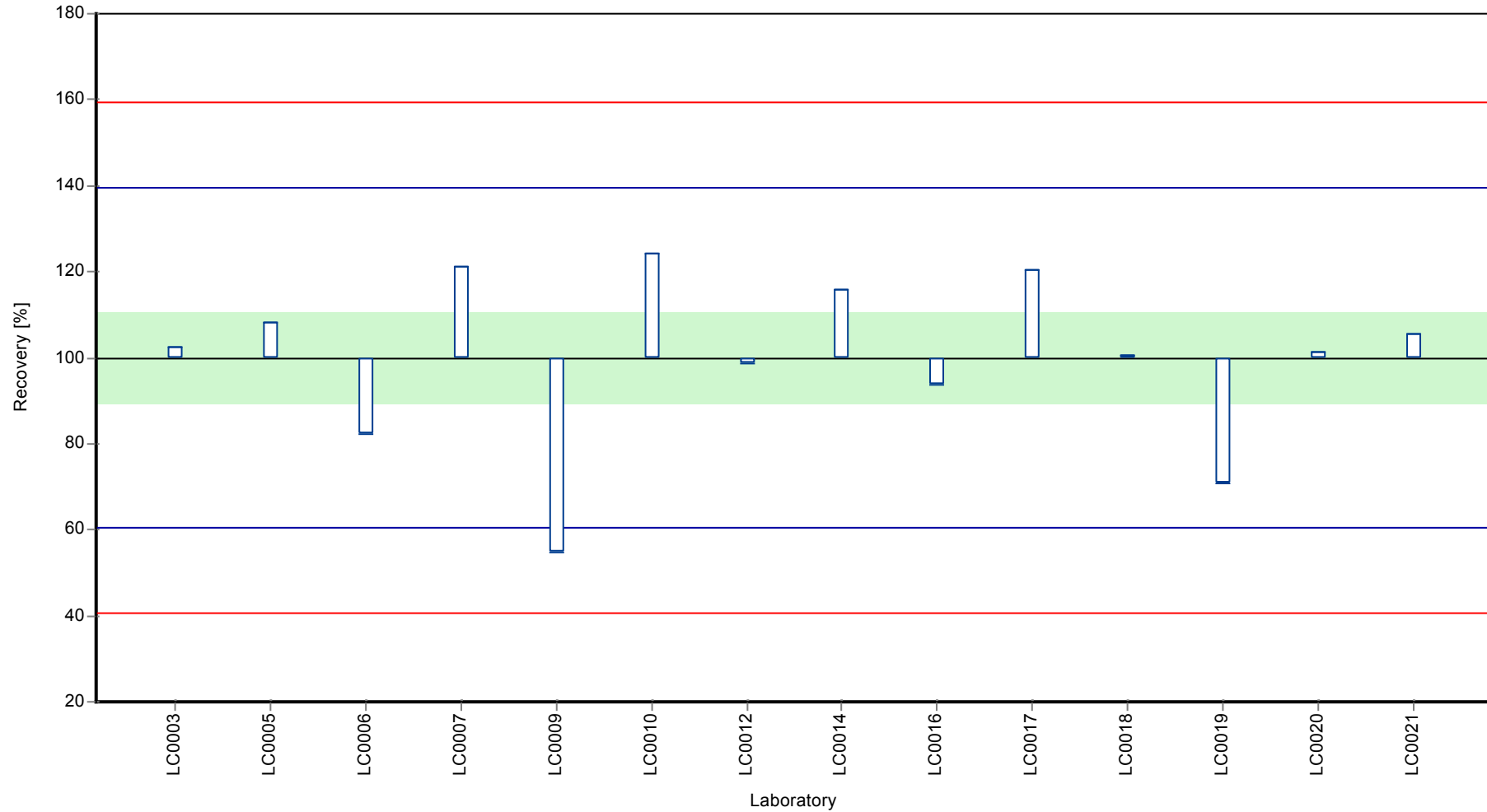
	all results	without outliers	Unit
Mean ± CI (99%)	19 ± 3.01	19 ± 3.01	µg/l
Minimum	10.4	10.4	µg/l
Maximum	23.6	23.6	µg/l
Standard deviation	3.75	3.75	µg/l
rel. standard deviation	19.8	19.8	%
n	14	14	-

Graphical presentation of results

Results



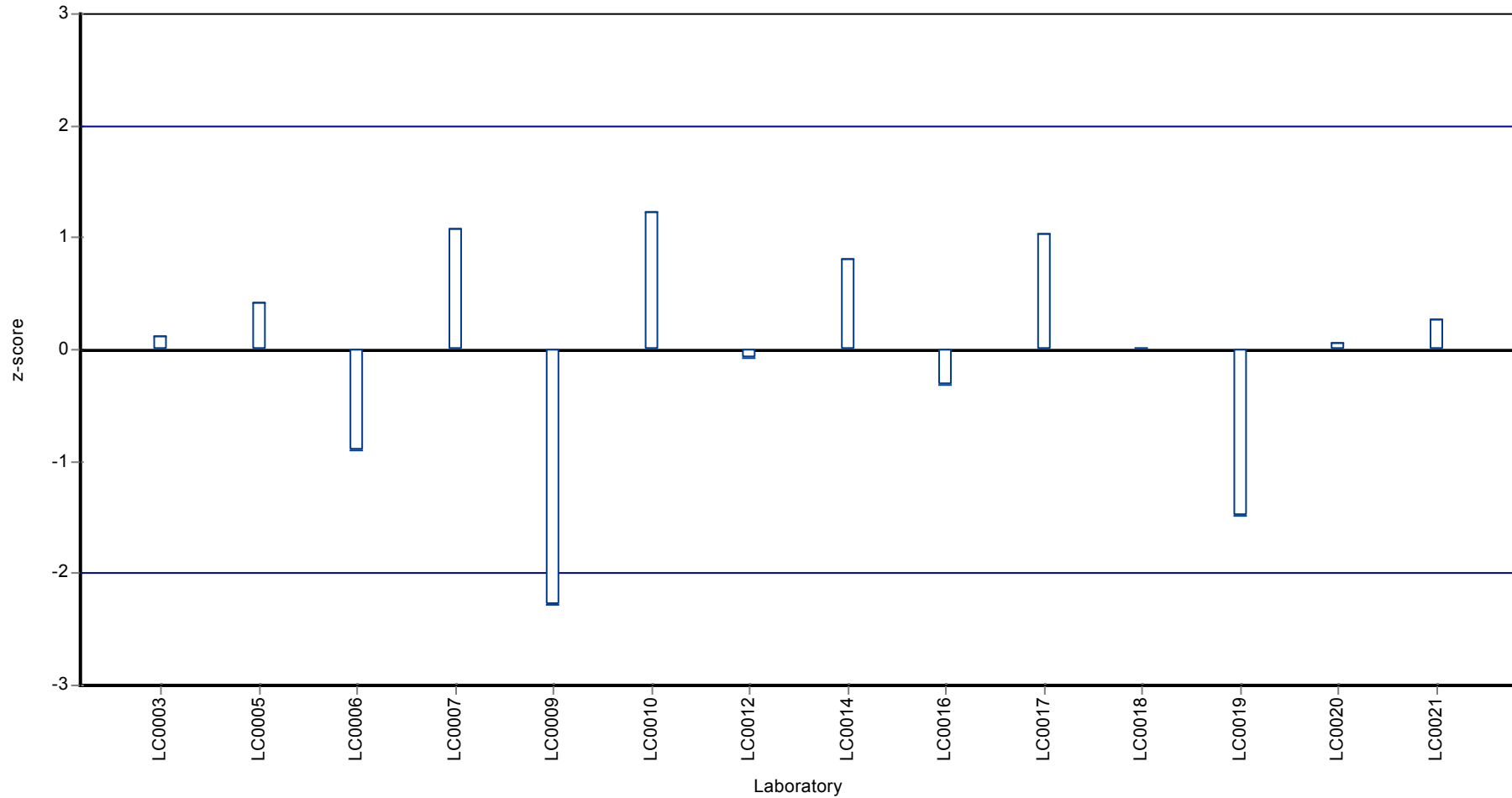
Recovery rate



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ6

Sample: AZ6B, Parameter: Acesulfame

Z-score



Parameter oriented report

AZ6 A

Amidotrizoic acid

Unit	µg/l
Assigned value ± U (k=2)	0.162 ± 0.0256
Criterion	0.0443 (27 %)
Minimum - Maximum	0.0829 - 0.227
Control test value ± U (k=2)	0.188 ± 0.0282

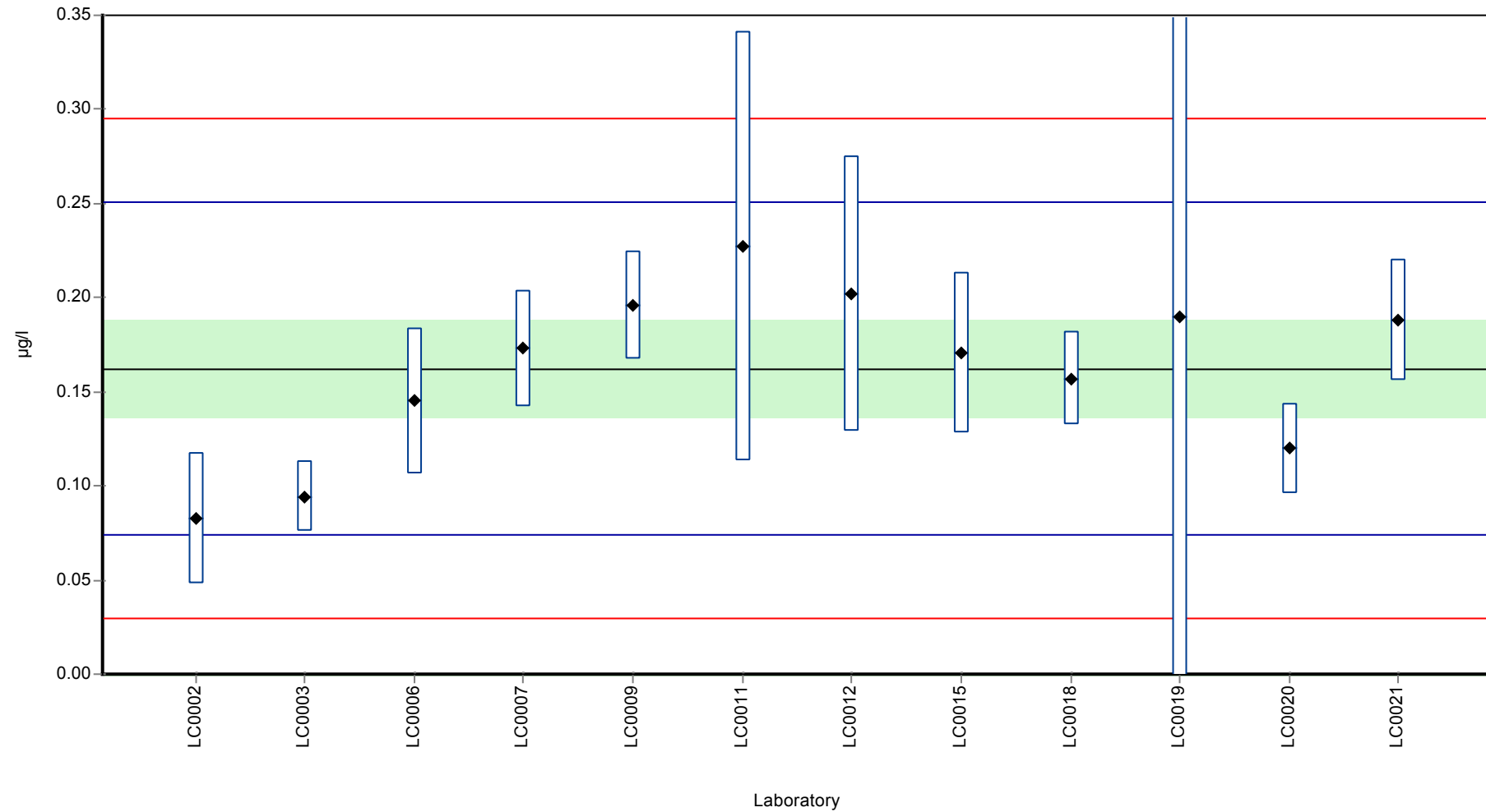
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	0.0829	0.0348	51.1	-1.79	
LC0003	0.0942	0.01856	58.1	-1.53	
LC0004	-	-	-	-	
LC0005	-	-	-	-	
LC0006	0.145	0.039	89.4	-0.39	
LC0007	0.173	0.031	107	0.25	
LC0008	-	-	-	-	
LC0009	0.196	0.029	121	0.77	
LC0010	-	-	-	-	
LC0011	0.227	0.114	140	1.47	
LC0012	0.202	0.073	125	0.9	
LC0013	-	-	-	-	
LC0014	-	-	-	-	
LC0015	0.1705	0.0426	105	0.19	
LC0016	-	-	-	-	
LC0017	-	-	-	-	
LC0018	0.157	0.025	96.8	-0.12	
LC0019	0.1898	0.228	117	0.63	
LC0020	0.12	0.024	74	-0.95	
LC0021	0.188	0.032	116	0.58	

Characteristics of parameter

	all results	without outliers	Unit
Mean ± CI (99%)	0.162 ± 0.0383	0.162 ± 0.0383	µg/l
Minimum	0.0829	0.0829	µg/l
Maximum	0.227	0.227	µg/l
Standard deviation	0.0443	0.0443	µg/l
rel. standard deviation	27.3	27.3	%
n	12	12	-

Graphical presentation of results

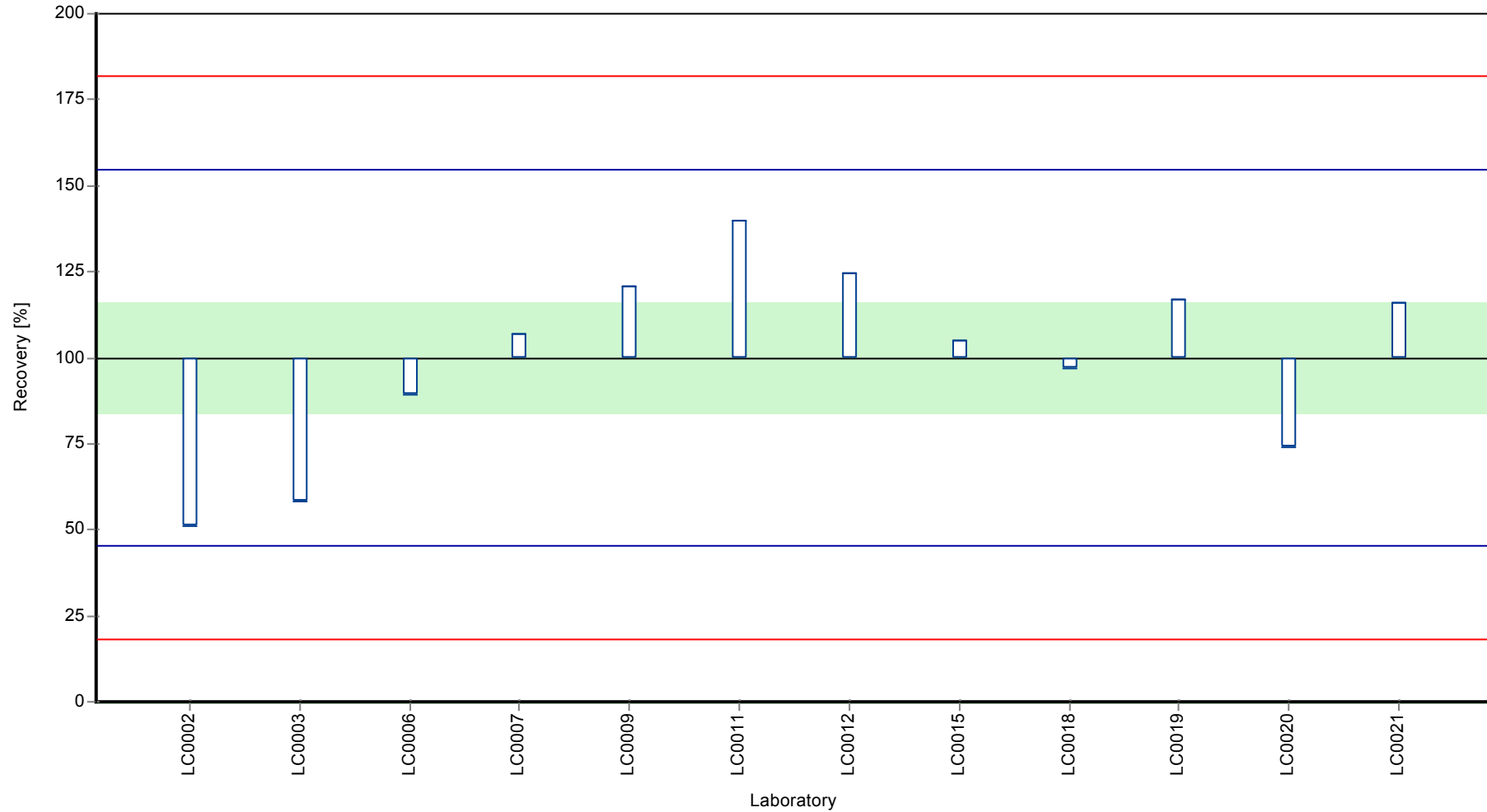
Results



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ6

Sample: AZ6A, Parameter: Amidotrizoic acid

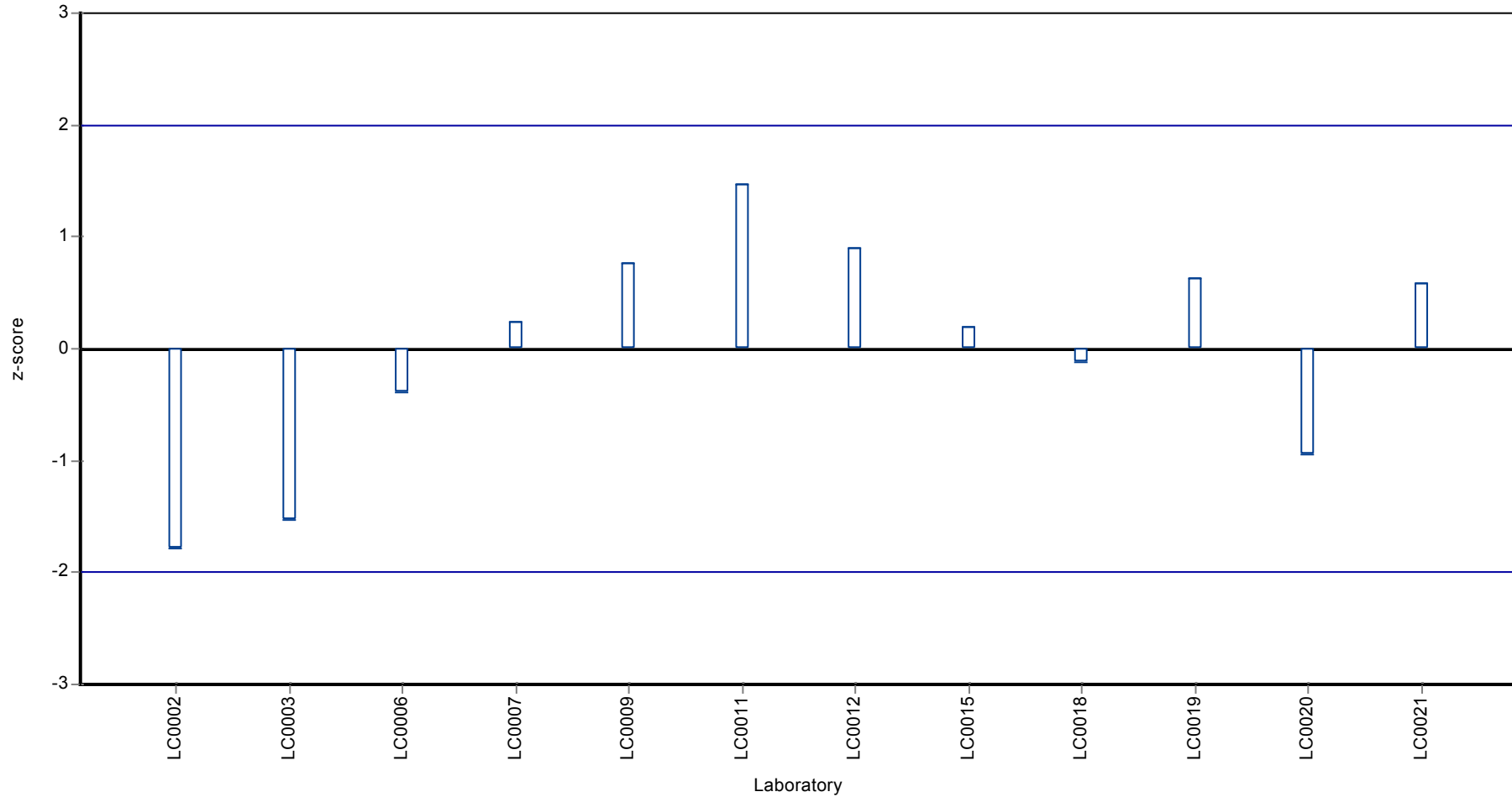
Recovery rate



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ6

Sample: AZ6A, Parameter: Amidotrizoic acid

Z-score



Parameter oriented report

AZ6 B

Amidotrizoic acid

Unit	µg/l
Assigned value ± U (k=2)	0.986 ± 0.0861
Criterion	0.197 (20 %)
Minimum - Maximum	0.73 - 1.2
Control test value ± U (k=2)	1.06 ± 0.159

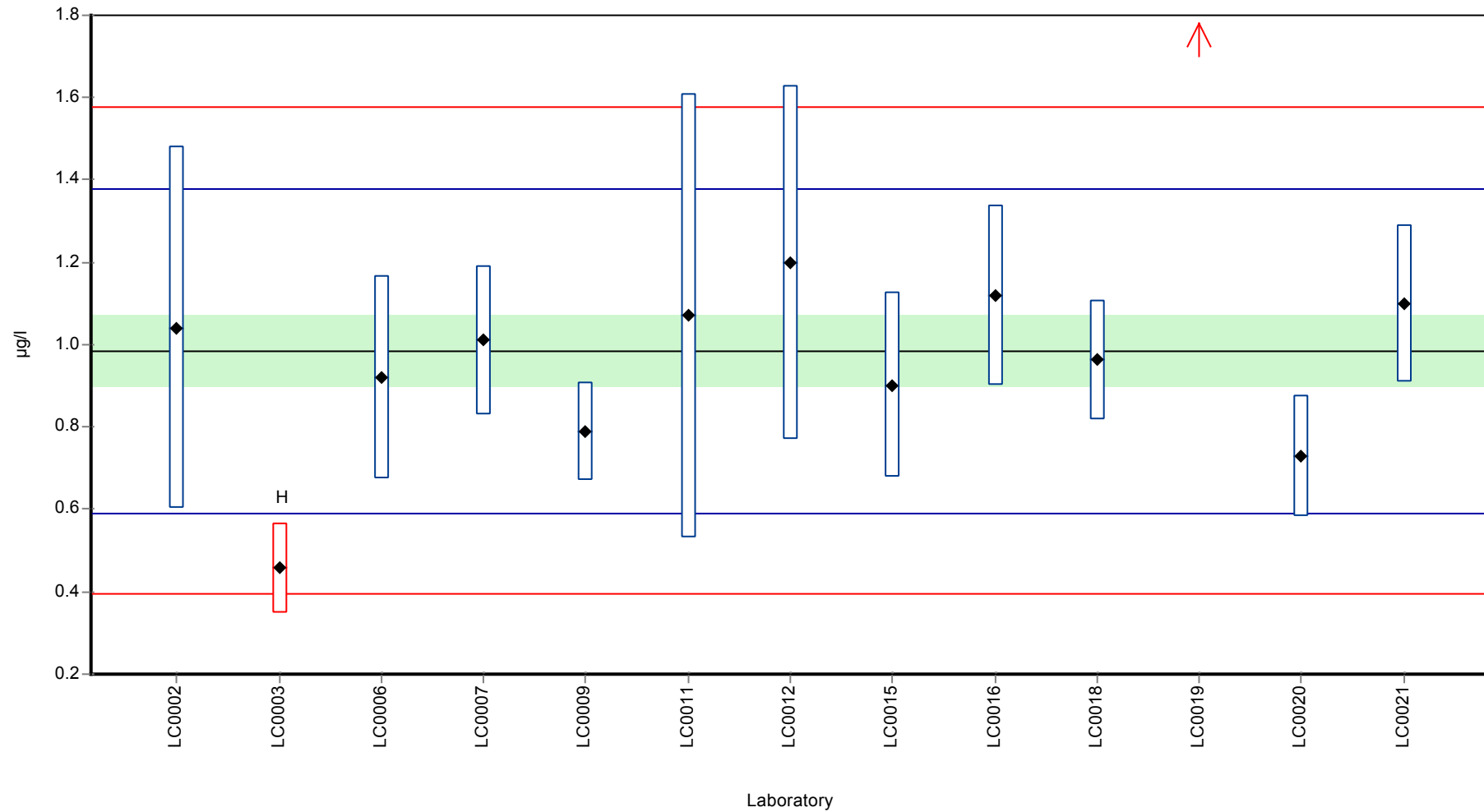
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	1.04	0.44	106	0.28	
LC0003	0.457	0.11033	46.4	-2.68	H
LC0004	-	-	-	-	
LC0005	-	-	-	-	
LC0006	0.92	0.248	93.3	-0.33	
LC0007	1.01	0.182	102	0.12	
LC0008	-	-	-	-	
LC0009	0.789	0.118	80	-1	
LC0010	-	-	-	-	
LC0011	1.07	0.54	109	0.43	
LC0012	1.2	0.43	122	1.09	
LC0013	-	-	-	-	
LC0014	-	-	-	-	
LC0015	0.9009	0.2252	91.4	-0.43	
LC0016	1.12	0.22	114	0.68	
LC0017	-	-	-	-	
LC0018	0.963	0.145	97.7	-0.12	
LC0019	2.29	2.75	232	6.62	H
LC0020	0.73	0.146	74.1	-1.3	
LC0021	1.1	0.19	112	0.58	

Characteristics of parameter

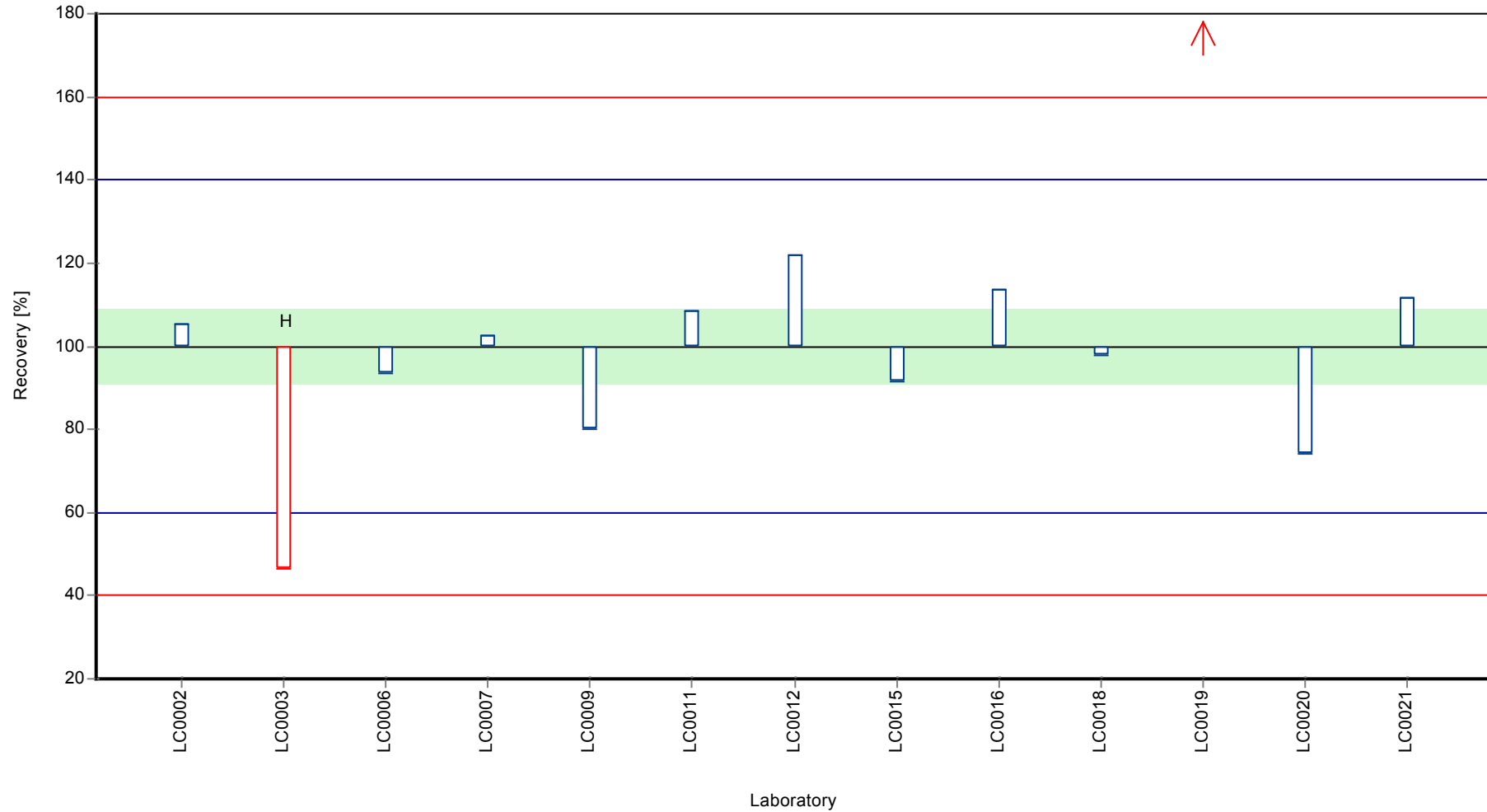
	all results	without outliers	Unit
Mean ± CI (99%)	1.05 ± 0.351	0.986 ± 0.129	µg/l
Minimum	0.457	0.73	µg/l
Maximum	2.29	1.2	µg/l
Standard deviation	0.422	0.143	µg/l
rel. standard deviation	40.4	14.5	%
n	13	11	-

Graphical presentation of results

Results



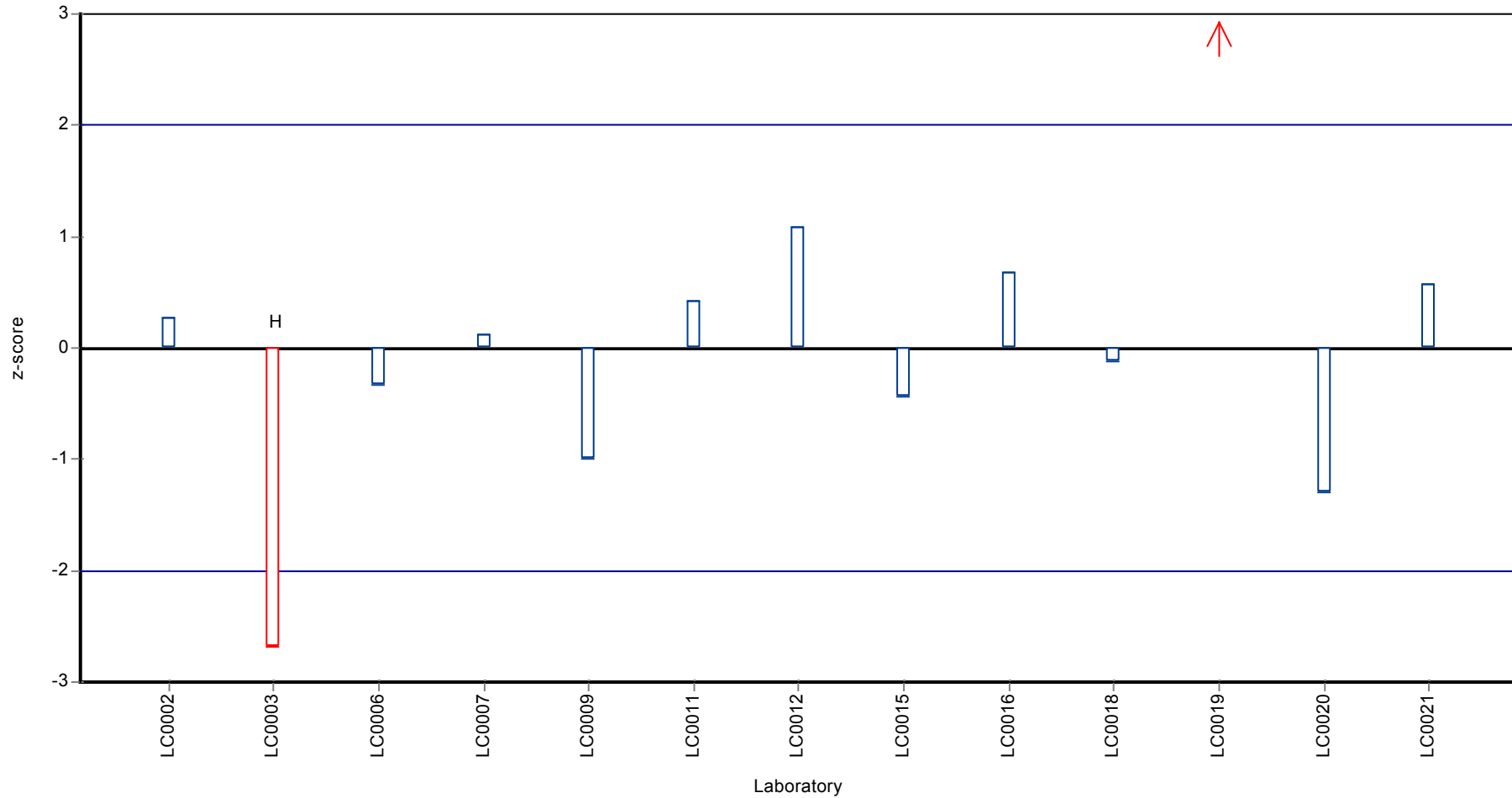
Recovery rate



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ6

Sample: AZ6B, Parameter: Amidotrizoic acid

Z-score



Parameter oriented report

AZ6 A

Atenolol

Unit	µg/l
Assigned value ± U (k=2)	0.14 ± 0.0199
Criterion	0.0315 (22 %)
Minimum - Maximum	0.11 - 0.207
Control test value ± U (k=2)	0.127 ± 0.0316

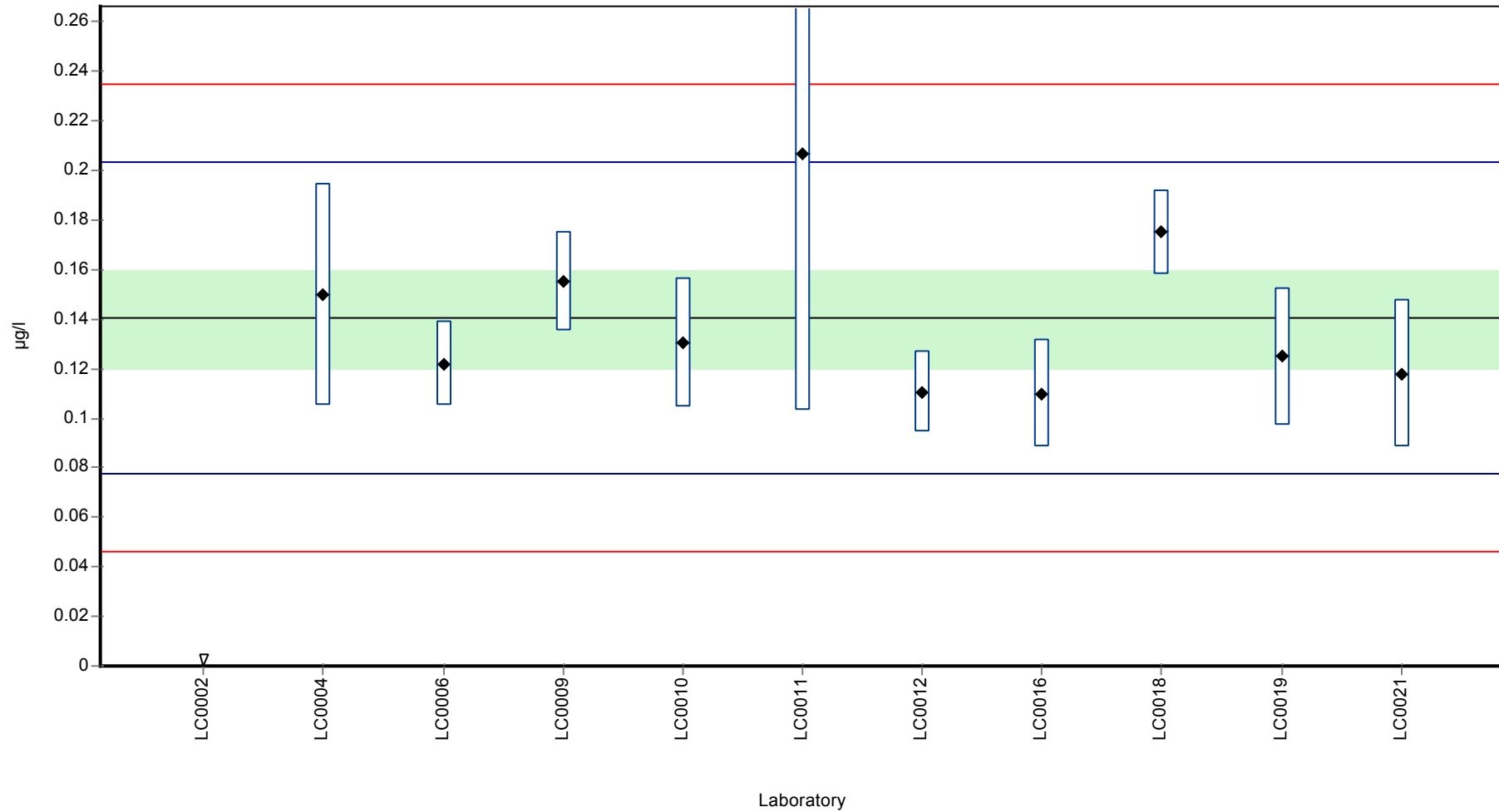
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	< 0.005 (LOQ)	-	-	-	FN
LC0003	-	-	-	-	
LC0004	0.15	0.045	107	0.31	
LC0005	-	-	-	-	
LC0006	0.122	0.017	87	-0.58	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	0.155	0.02	110	0.47	
LC0010	0.1305	0.026	93	-0.31	
LC0011	0.207	0.104	148	2.12	
LC0012	0.1107	0.0166	78.9	-0.94	
LC0013	-	-	-	-	
LC0014	-	-	-	-	
LC0015	-	-	-	-	
LC0016	0.11	0.022	78.4	-0.96	
LC0017	-	-	-	-	
LC0018	0.175	0.017	125	1.1	
LC0019	0.1248	0.028	89	-0.49	
LC0020	-	-	-	-	
LC0021	0.118	0.03	84.1	-0.71	

Characteristics of parameter

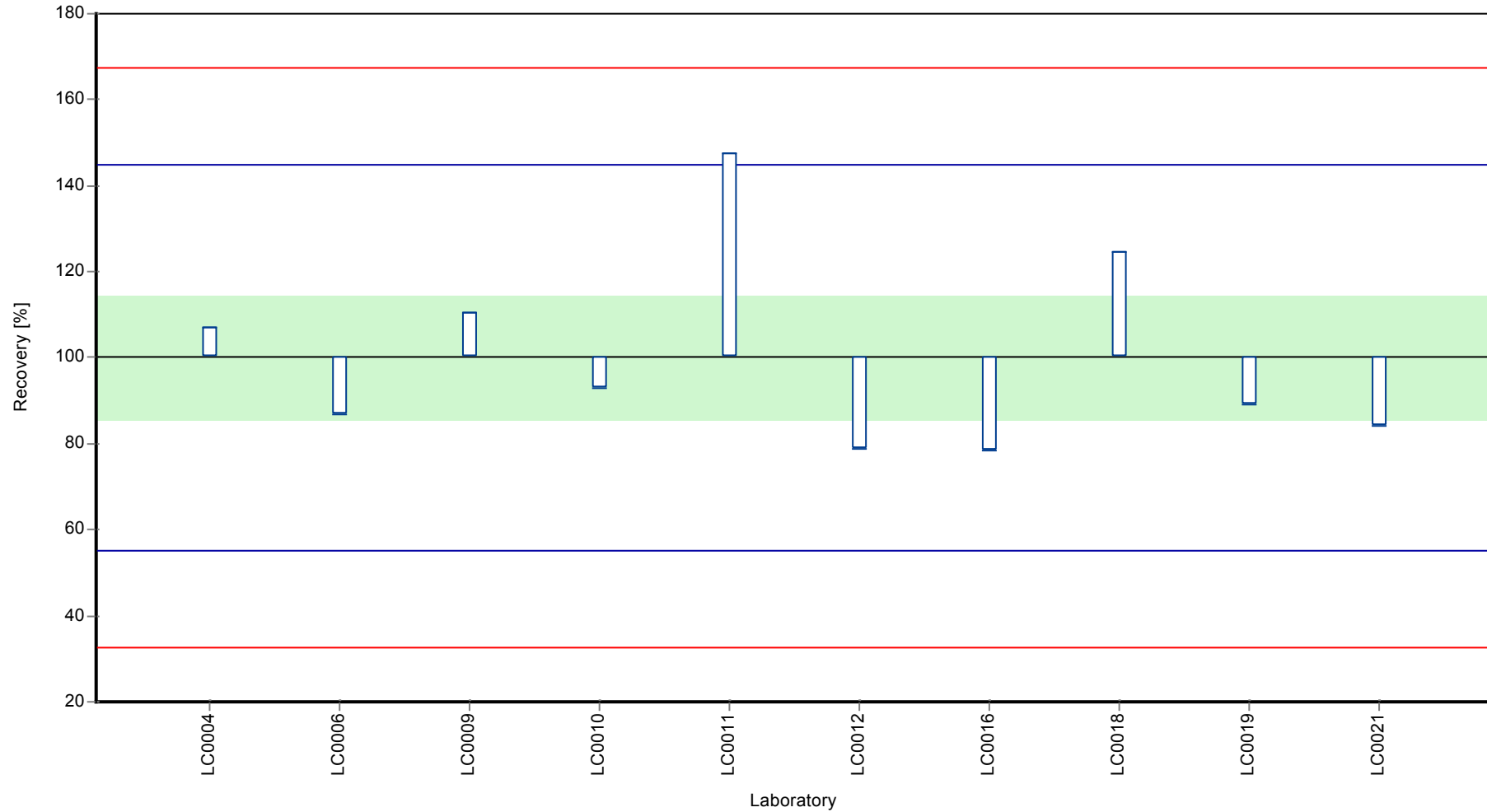
	all results	without outliers	Unit
Mean ± CI (99%)	0.14 ± 0.0299	0.14 ± 0.0299	µg/l
Minimum	0.11	0.11	µg/l
Maximum	0.207	0.207	µg/l
Standard deviation	0.0315	0.0315	µg/l
rel. standard deviation	22.4	22.4	%
n	10	10	-

Graphical presentation of results

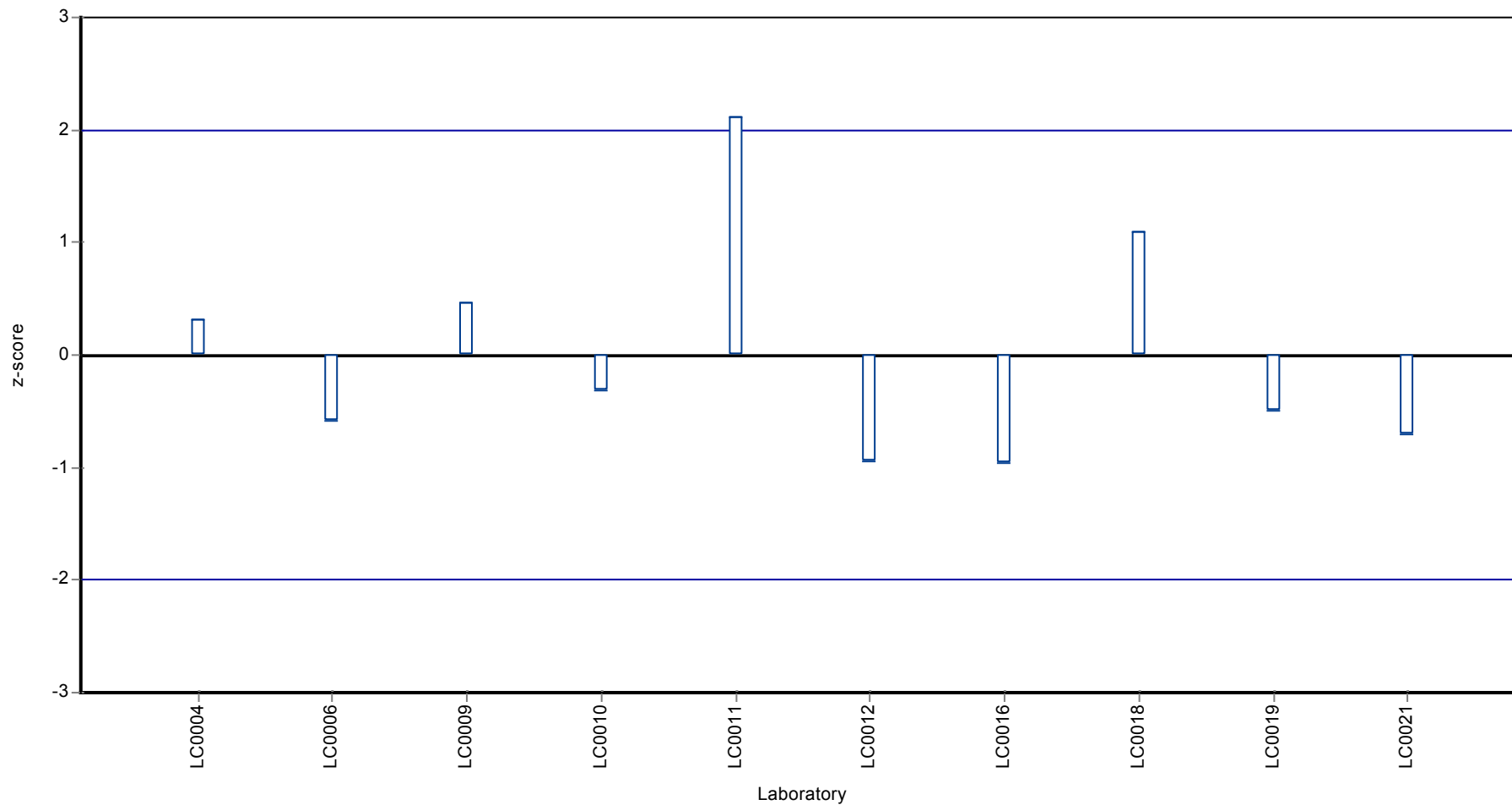
Results



Recovery rate



Z-score



Parameter oriented report

AZ6 B

Atenolol

Unit	µg/l
Assigned value ± U (k=2)	0.515 ± 0.0904
Criterion	0.15 (29 %)
Minimum - Maximum	0.135 - 0.676
Control test value ± U (k=2)	0.512 ± 0.128

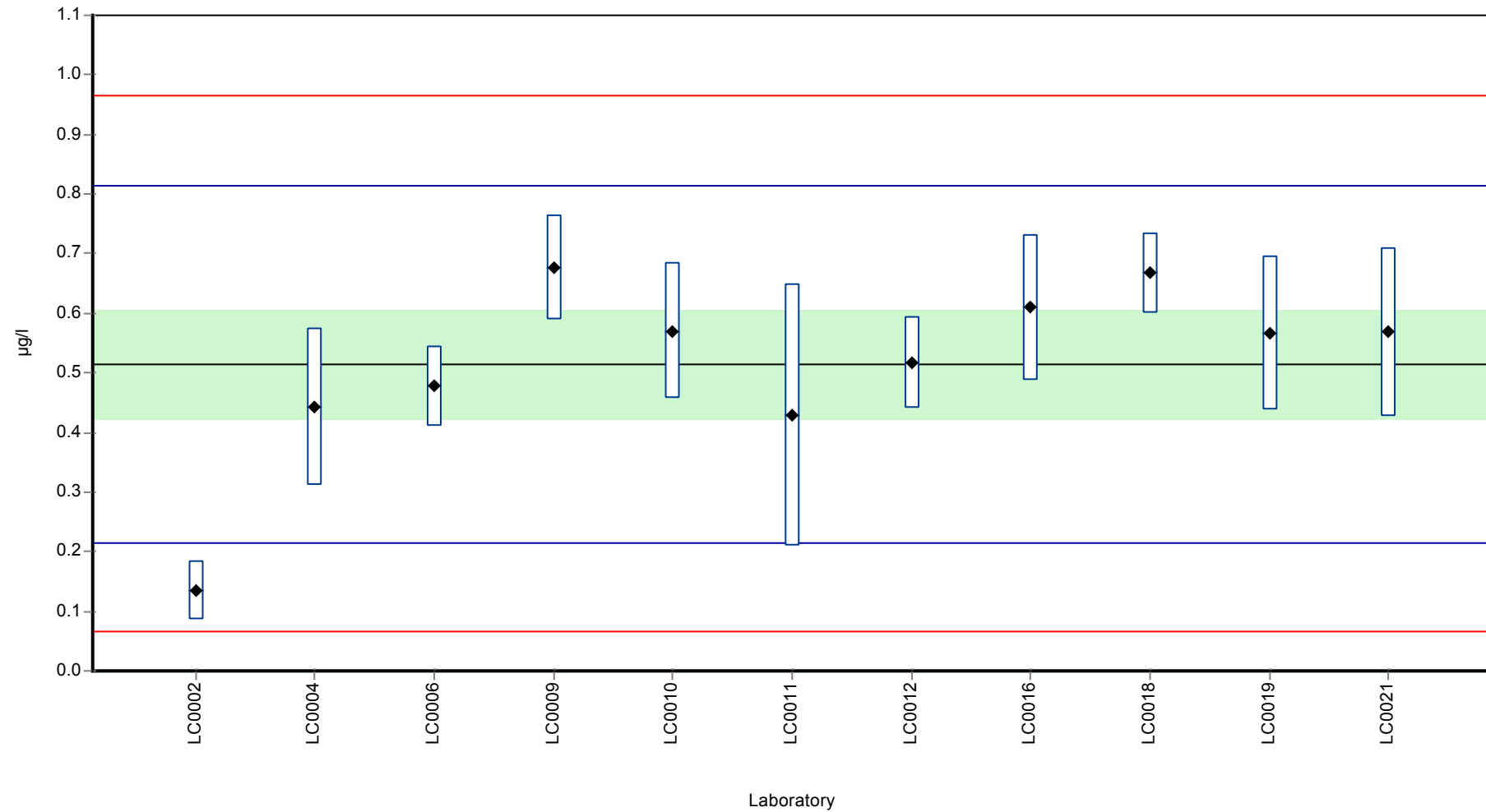
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	0.135	0.05	26.2	-2.53	
LC0003	-	-	-	-	
LC0004	0.443	0.133	86.1	-0.48	
LC0005	-	-	-	-	
LC0006	0.478	0.067	92.9	-0.24	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	0.676	0.088	131	1.08	
LC0010	0.5696	0.114	111	0.37	
LC0011	0.43	0.22	83.6	-0.56	
LC0012	0.517	0.078	100	0.02	
LC0013	-	-	-	-	
LC0014	-	-	-	-	
LC0015	-	-	-	-	
LC0016	0.61	0.122	119	0.64	
LC0017	-	-	-	-	
LC0018	0.667	0.067	130	1.02	
LC0019	0.5665	0.129	110	0.35	
LC0020	-	-	-	-	
LC0021	0.568	0.142	110	0.36	

Characteristics of parameter

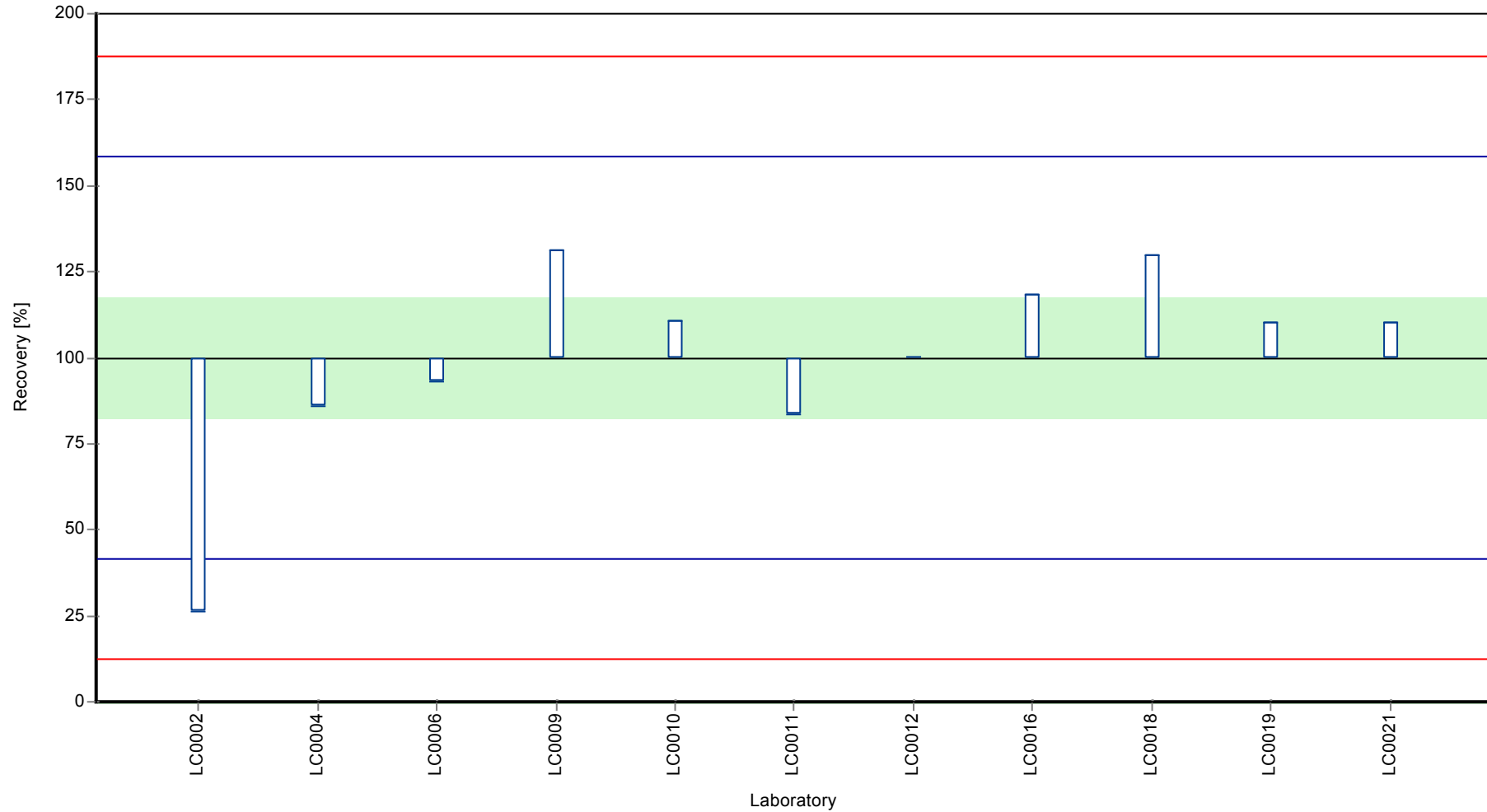
	all results	without outliers	Unit
Mean ± CI (99%)	0.515 ± 0.136	0.515 ± 0.136	µg/l
Minimum	0.135	0.135	µg/l
Maximum	0.676	0.676	µg/l
Standard deviation	0.15	0.15	µg/l
rel. standard deviation	29.1	29.1	%
n	11	11	-

Graphical presentation of results

Results



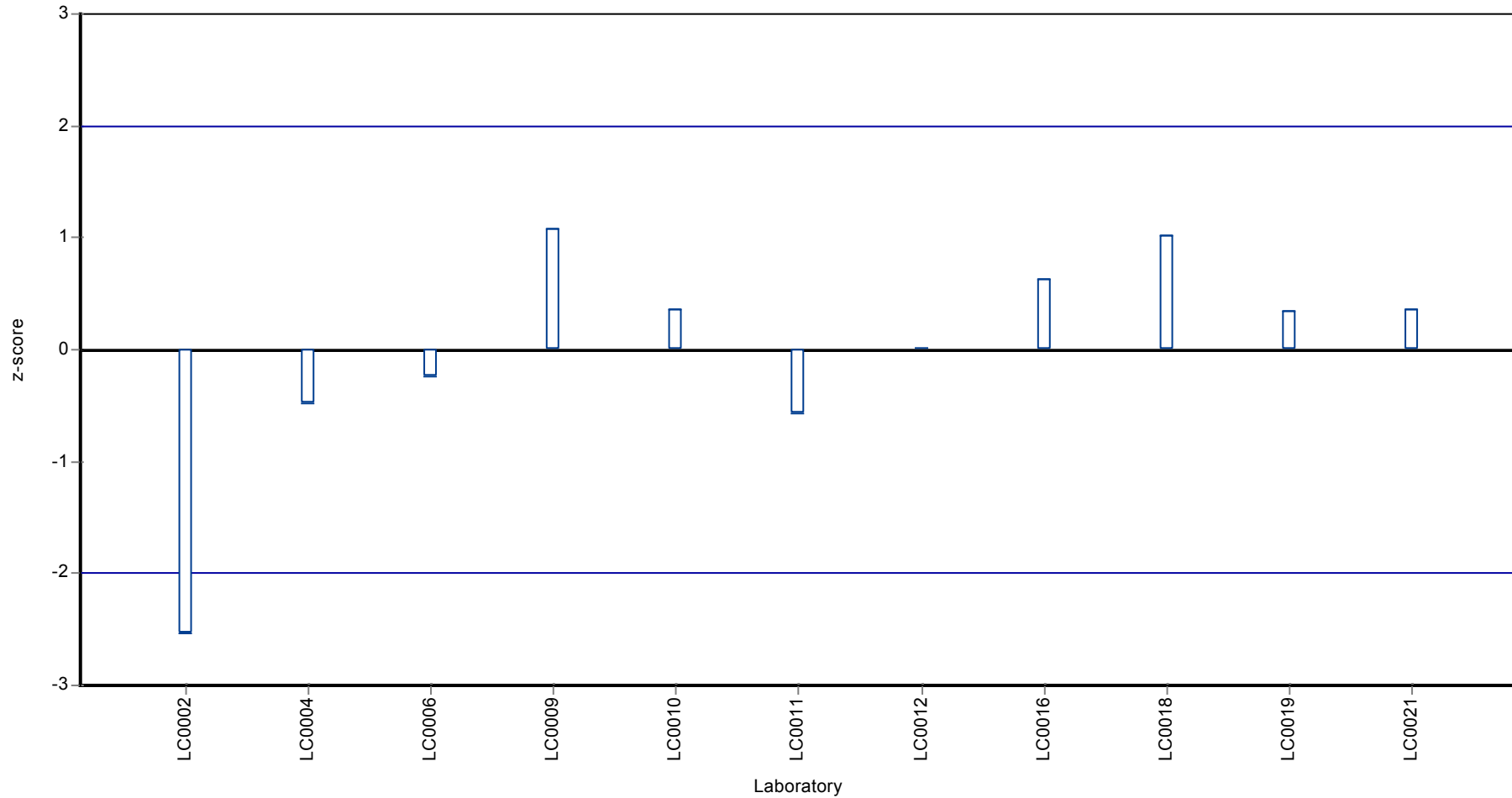
Recovery rate



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ6

Sample: AZ6B, Parameter: Atenolol

Z-score



Parameter oriented report

AZ6 A

Benzotriazole

Unit	µg/l
Assigned value ± U (k=2)	0.151 ± 0.00939
Criterion	0.0197 (13 %)
Minimum - Maximum	0.114 - 0.177
Control test value ± U (k=2)	0.136 ± 0.0204

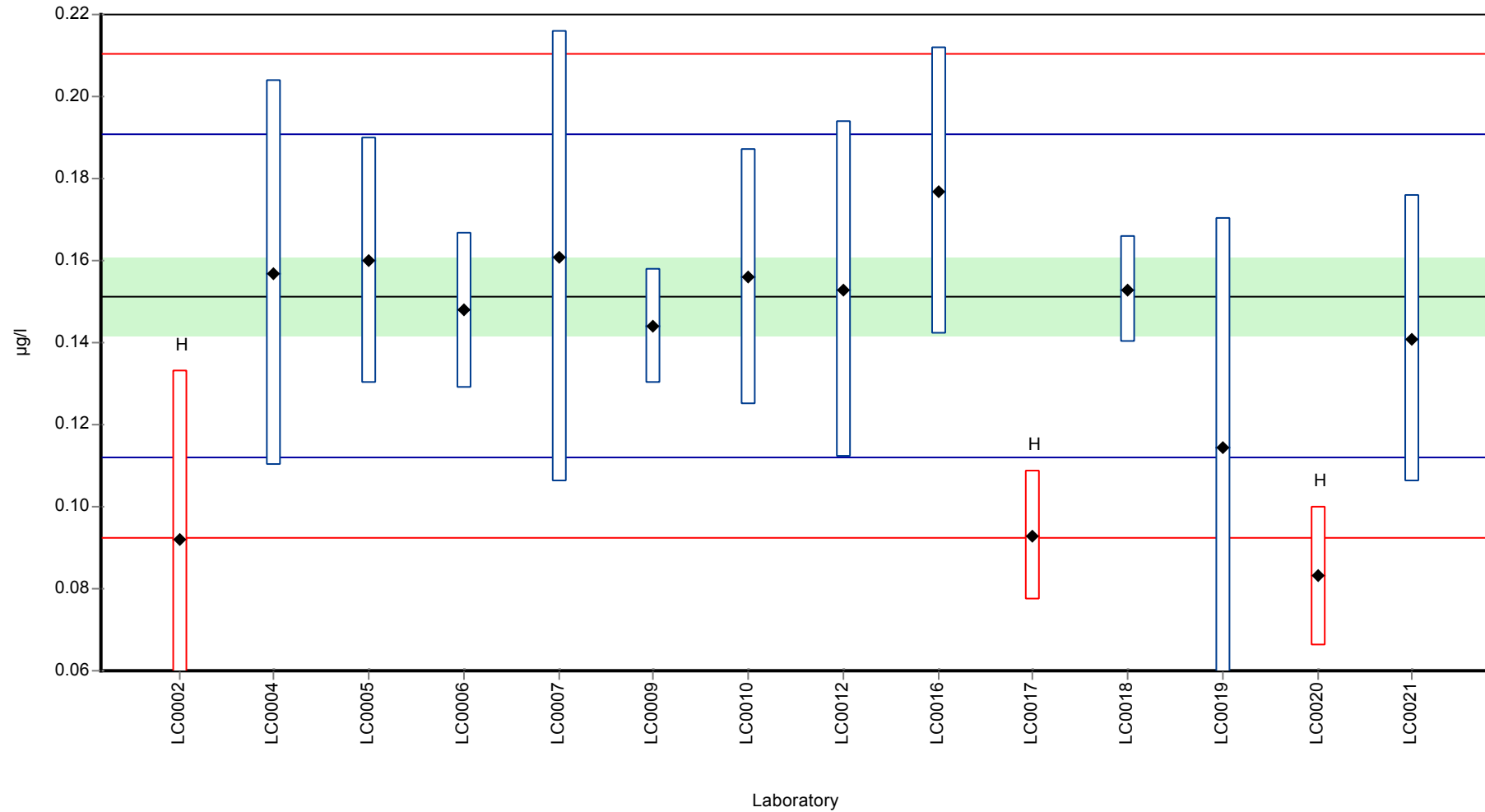
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	0.0919	0.0414	60.7	-3.02	H
LC0003	-	-	-	-	
LC0004	0.157	0.047	104	0.29	
LC0005	0.16	0.03	106	0.44	
LC0006	0.148	0.019	97.8	-0.17	
LC0007	0.161	0.055	106	0.49	
LC0008	-	-	-	-	
LC0009	0.144	0.014	95.2	-0.37	
LC0010	0.156	0.031	103	0.24	
LC0011	-	-	-	-	
LC0012	0.153	0.041	101	0.09	
LC0013	-	-	-	-	
LC0014	-	-	-	-	
LC0015	-	-	-	-	
LC0016	0.177	0.035	117	1.31	
LC0017	0.093	0.0158	61.5	-2.96	H
LC0018	0.153	0.013	101	0.09	
LC0019	0.1144	0.056	75.6	-1.88	
LC0020	0.083	0.017	54.9	-3.47	H
LC0021	0.141	0.035	93.2	-0.52	

Characteristics of parameter

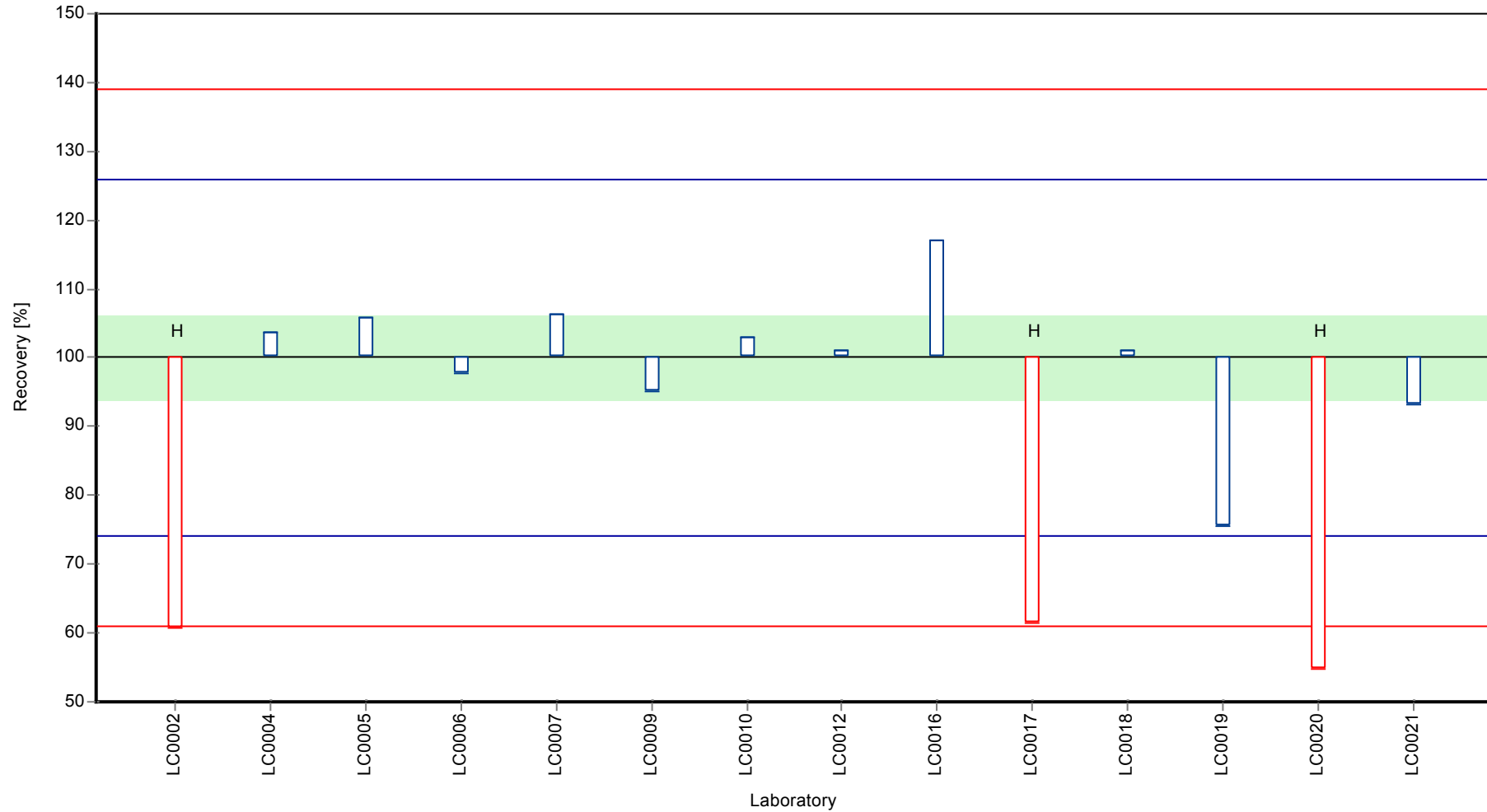
	all results	without outliers	Unit
Mean ± CI (99%)	0.138 ± 0.0239	0.151 ± 0.0141	µg/l
Minimum	0.083	0.114	µg/l
Maximum	0.177	0.177	µg/l
Standard deviation	0.0298	0.0156	µg/l
rel. standard deviation	21.6	10.3	%
n	14	11	-

Graphical presentation of results

Results



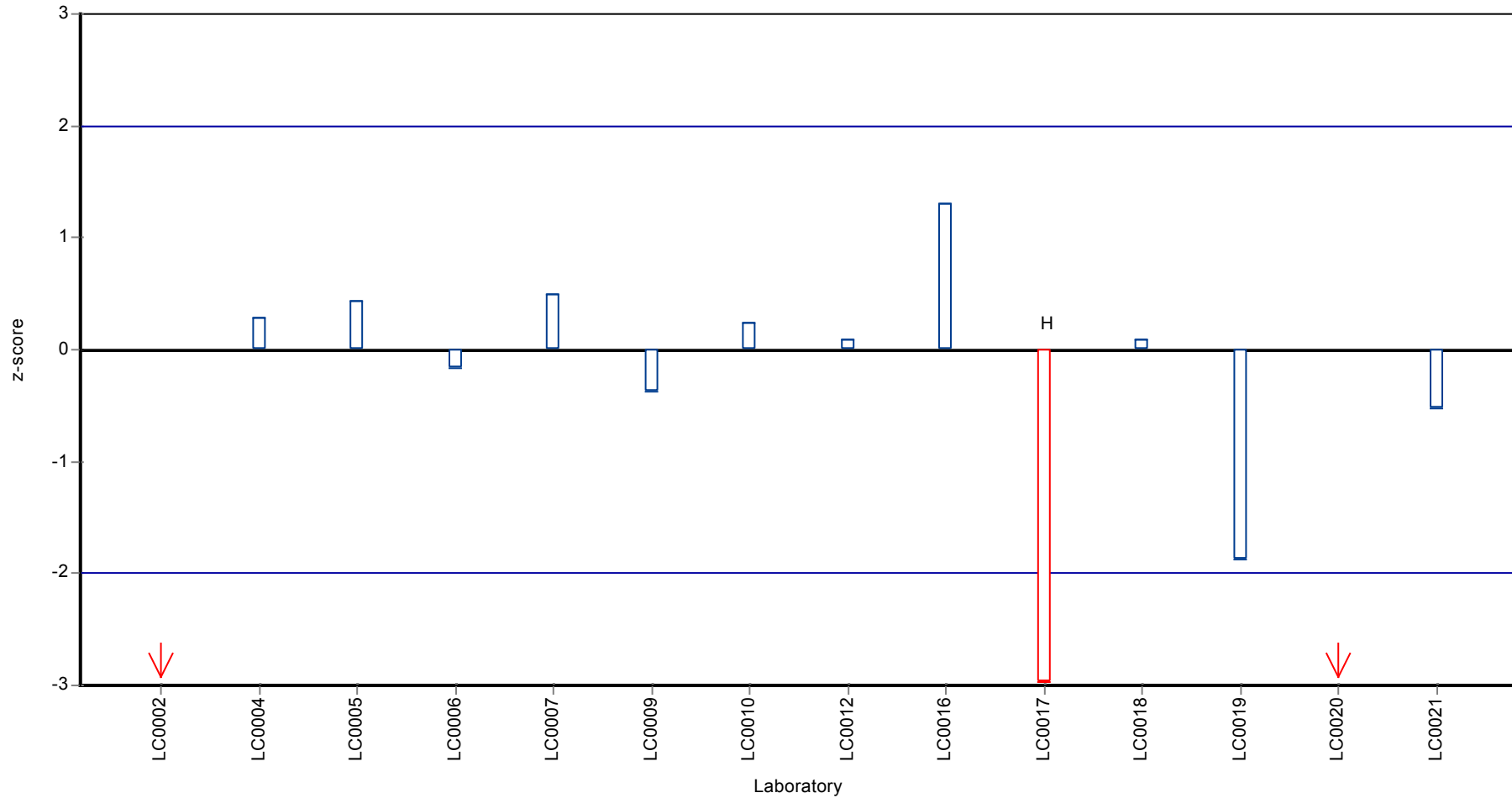
Recovery rate



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ6

Sample: AZ6A, Parameter: Benzotriazole

Z-score



Parameter oriented report

AZ6 B

Benzotriazole

Unit	µg/l
Assigned value ± U (k=2)	7.82 ± 0.351
Criterion	1.02 (13 %)
Minimum - Maximum	6.62 - 8.59
Control test value ± U (k=2)	7.26 ± 1.09

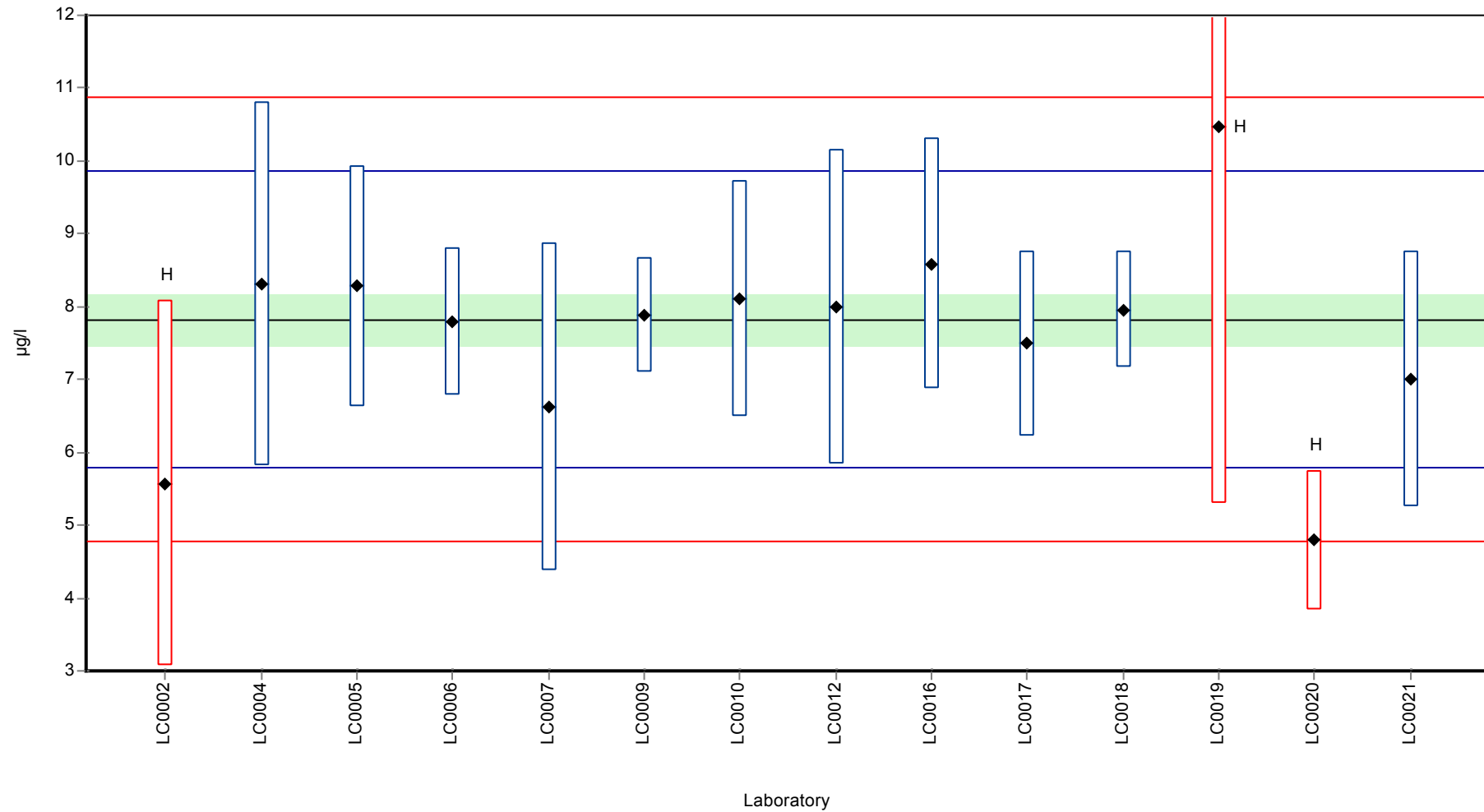
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	5.57	2.51	71.2	-2.22	H
LC0003	-	-	-	-	
LC0004	8.317	2.495	106	0.49	
LC0005	8.28	1.66	106	0.45	
LC0006	7.79	1.01	99.6	-0.03	
LC0007	6.62	2.251	84.6	-1.18	
LC0008	-	-	-	-	
LC0009	7.88	0.781	101	0.06	
LC0010	8.106	1.621	104	0.28	
LC0011	-	-	-	-	
LC0012	8	2.16	102	0.17	
LC0013	-	-	-	-	
LC0014	-	-	-	-	
LC0015	-	-	-	-	
LC0016	8.59	1.72	110	0.76	
LC0017	7.496	1.274	95.8	-0.32	
LC0018	7.96	0.796	102	0.14	
LC0019	10.46	5.17	134	2.59	H
LC0020	4.79	0.96	61.2	-2.98	H
LC0021	7.01	1.75	89.6	-0.8	

Characteristics of parameter

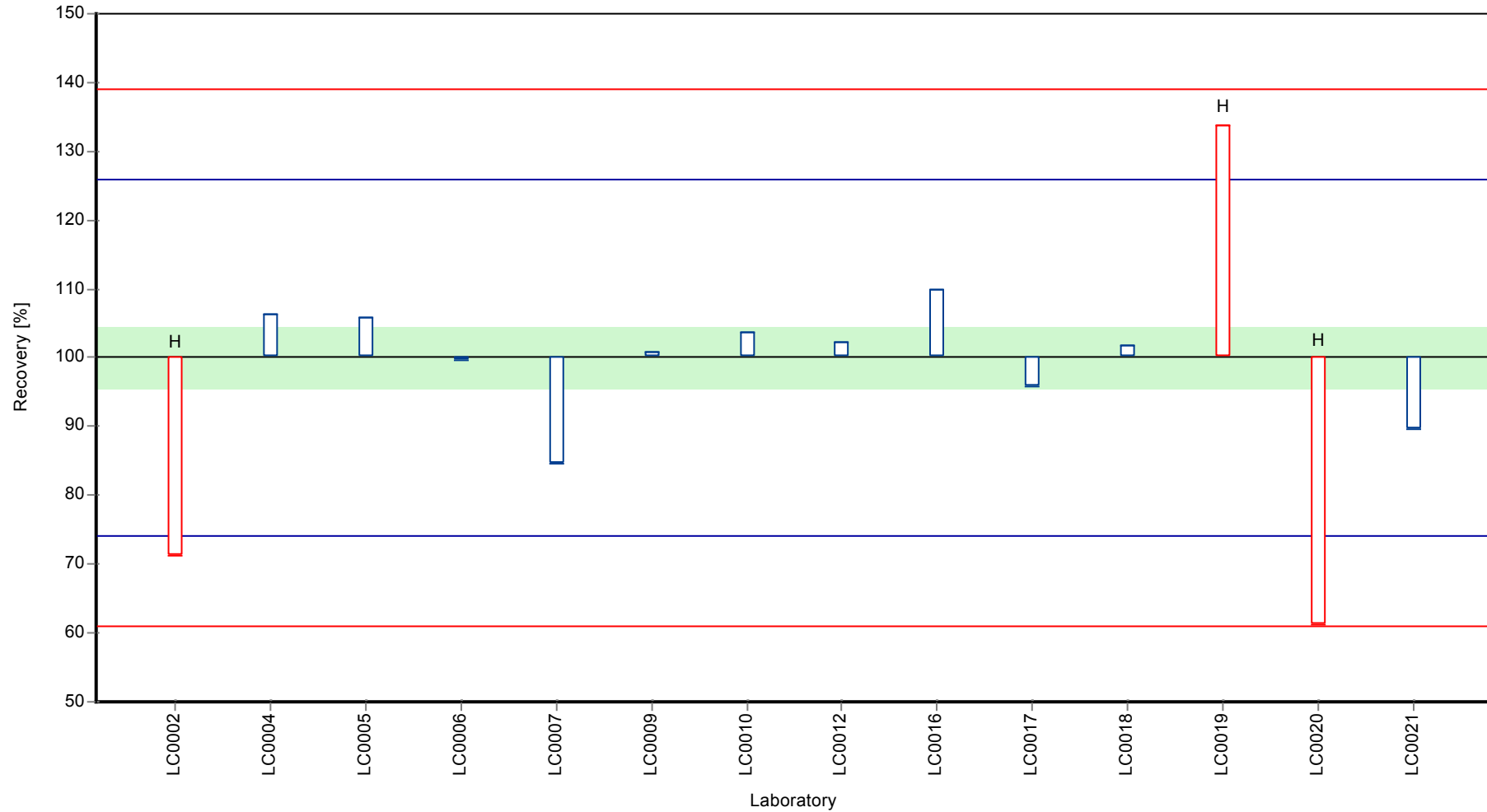
	all results	without outliers	Unit
Mean ± CI (99%)	7.63 ± 1.09	7.82 ± 0.527	µg/l
Minimum	4.79	6.62	µg/l
Maximum	10.5	8.59	µg/l
Standard deviation	1.36	0.582	µg/l
rel. standard deviation	17.8	7.44	%
n	14	11	-

Graphical presentation of results

Results



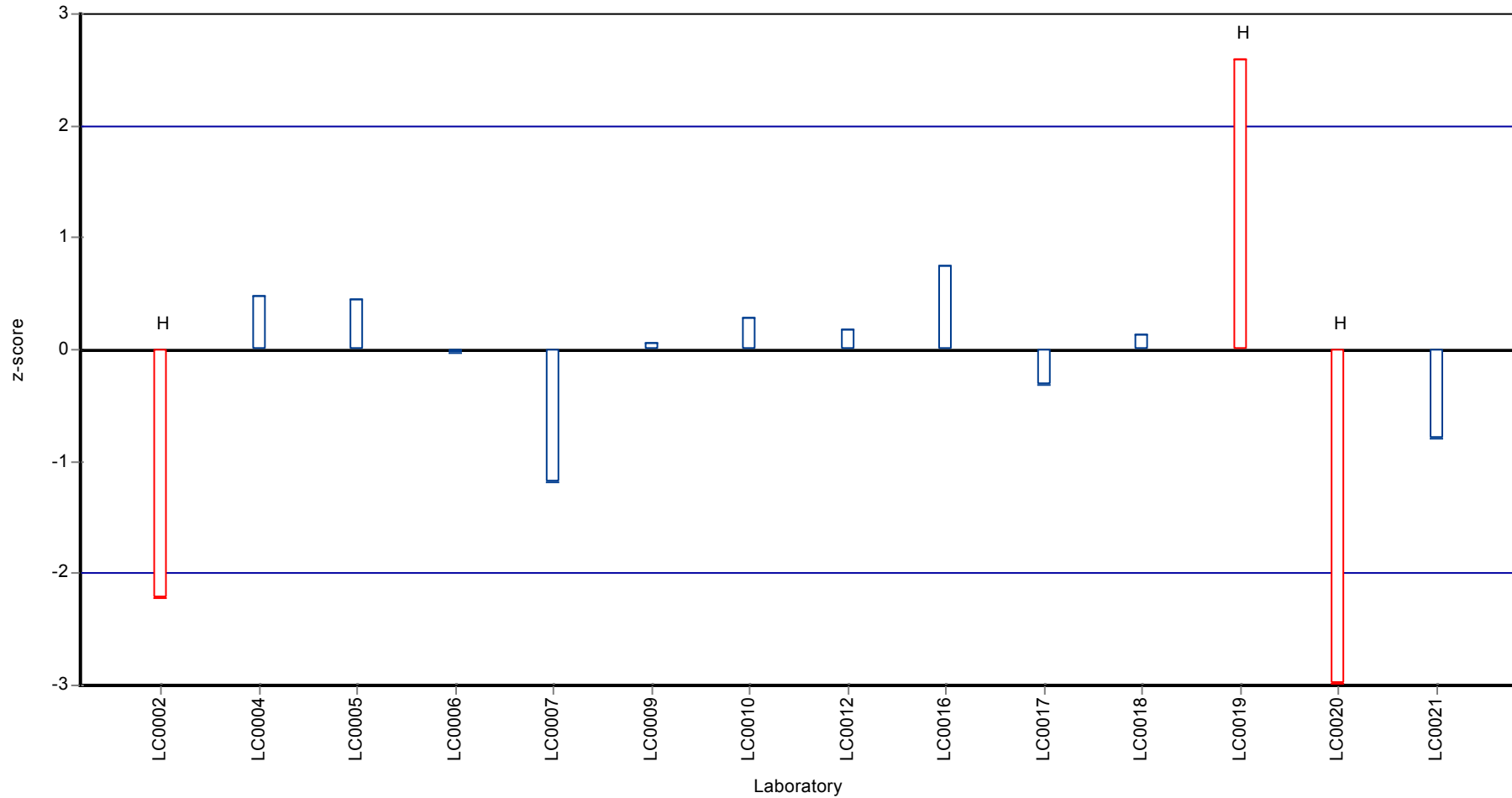
Recovery rate



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ6

Sample: AZ6B, Parameter: Benzotriazole

Z-score



Parameter oriented report

AZ6 A

Bisoprolol

Unit	µg/l
Assigned value ± U (k=2)	-
Criterion	-
Minimum - Maximum	0.0605 - 0.099
Control test value ± U (k=2)	0.0603 ± 0.00905

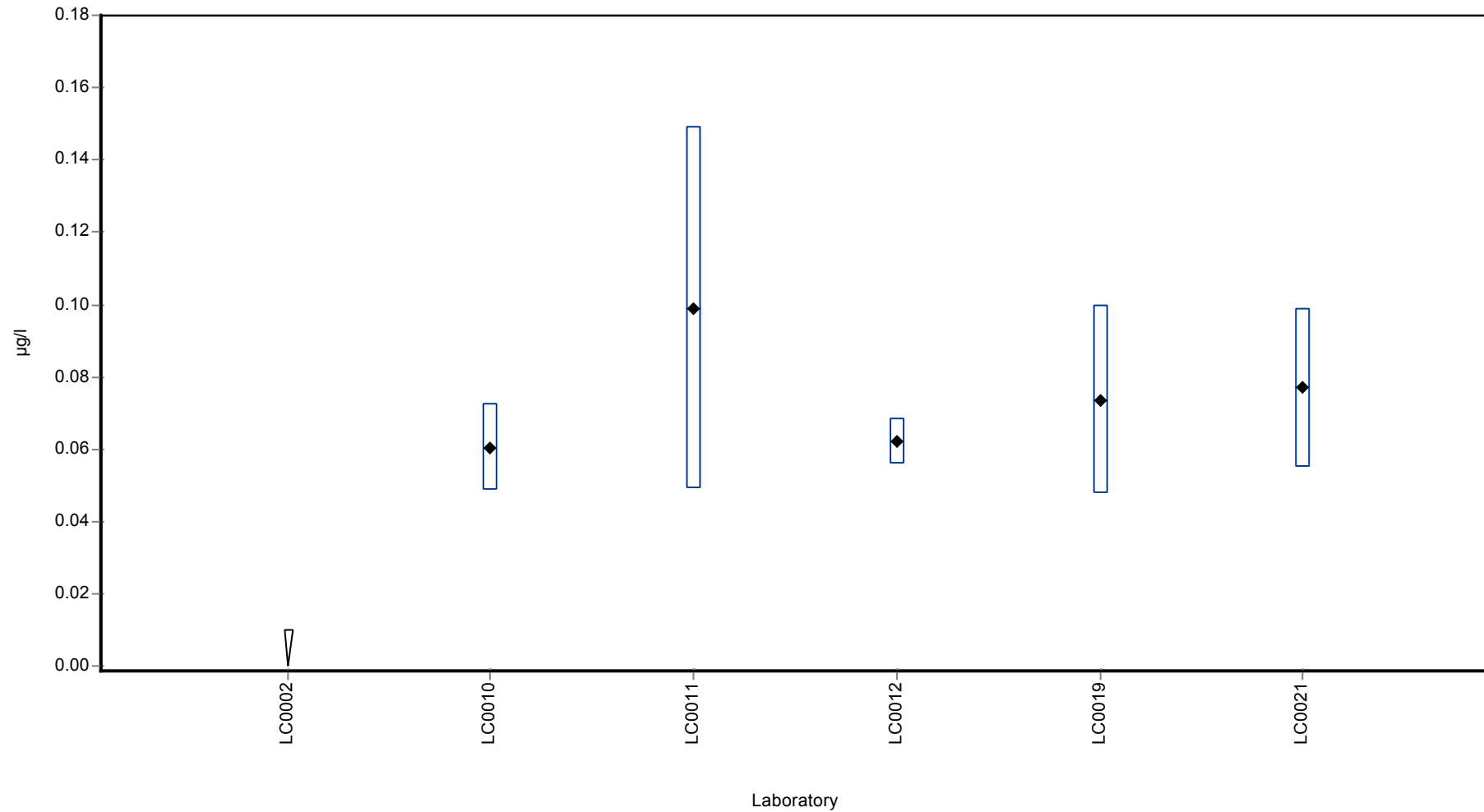
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	< 0.01 (LOQ)	-	-	-	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	-	-	-	-	
LC0006	-	-	-	-	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	-	-	-	-	
LC0010	0.0605	0.012	-	-	
LC0011	0.099	0.05	-	-	
LC0012	0.0622	0.0062	-	-	
LC0013	-	-	-	-	
LC0014	-	-	-	-	
LC0015	-	-	-	-	
LC0016	-	-	-	-	
LC0017	-	-	-	-	
LC0018	-	-	-	-	
LC0019	0.0737	0.026	-	-	
LC0020	-	-	-	-	
LC0021	0.077	0.022	-	-	

Characteristics of parameter

	all results	without outliers	Unit
Mean ± CI (99%)	0.0745 ± 0.0207	-	µg/l
Minimum	0.0605	0.0605	µg/l
Maximum	0.099	0.099	µg/l
Standard deviation	0.0154	-	µg/l
rel. standard deviation	20.7	-	%
n	5	5	-

Graphical presentation of results

Results



Parameter oriented report

AZ6 B

Bisoprolol

Unit	µg/l
Assigned value ± U (k=2)	-
Criterion	-
Minimum - Maximum	0.286 - 0.408
Control test value ± U (k=2)	0.275 ± 0.0412

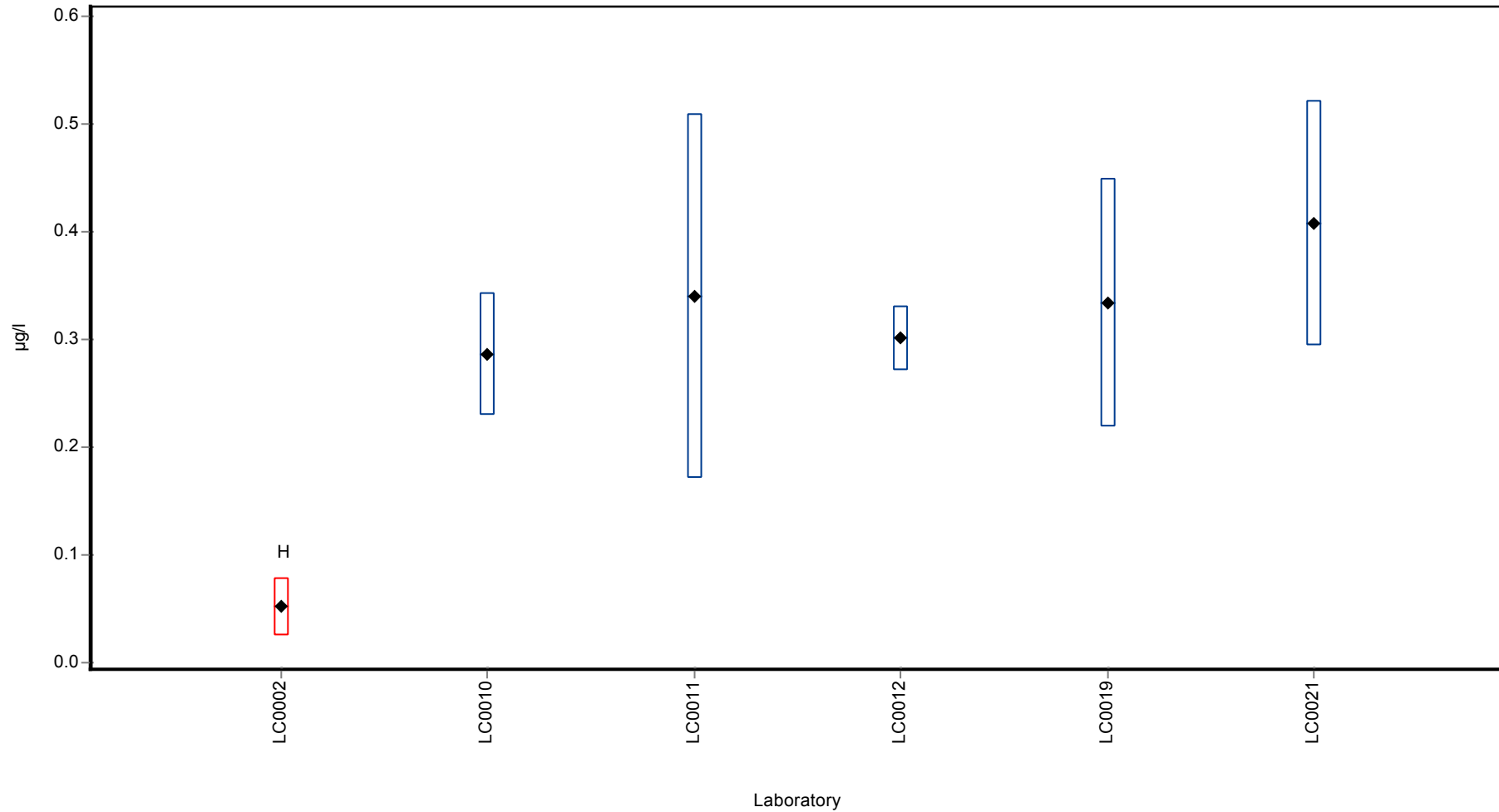
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	0.0516	0.0268	-	-	H
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	-	-	-	-	
LC0006	-	-	-	-	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	-	-	-	-	
LC0010	0.2864	0.057	-	-	
LC0011	0.34	0.17	-	-	
LC0012	0.3012	0.0301	-	-	
LC0013	-	-	-	-	
LC0014	-	-	-	-	
LC0015	-	-	-	-	
LC0016	-	-	-	-	
LC0017	-	-	-	-	
LC0018	-	-	-	-	
LC0019	0.3344	0.116	-	-	
LC0020	-	-	-	-	
LC0021	0.408	0.114	-	-	

Characteristics of parameter

	all results	without outliers	Unit
Mean ± CI (99%)	0.287 ± 0.15	-	µg/l
Minimum	0.0516	0.286	µg/l
Maximum	0.408	0.408	µg/l
Standard deviation	0.123	-	µg/l
rel. standard deviation	42.8	-	%
n	6	5	-

Graphical presentation of results

Results



Parameter oriented report

AZ6 A

Carbamazepine

Unit	µg/l
Assigned value ± U (k=2)	0.131 ± 0.00341
Criterion	0.0184 (14 %)
Minimum - Maximum	0.119 - 0.143
Control test value ± U (k=2)	0.133 ± 0.0226

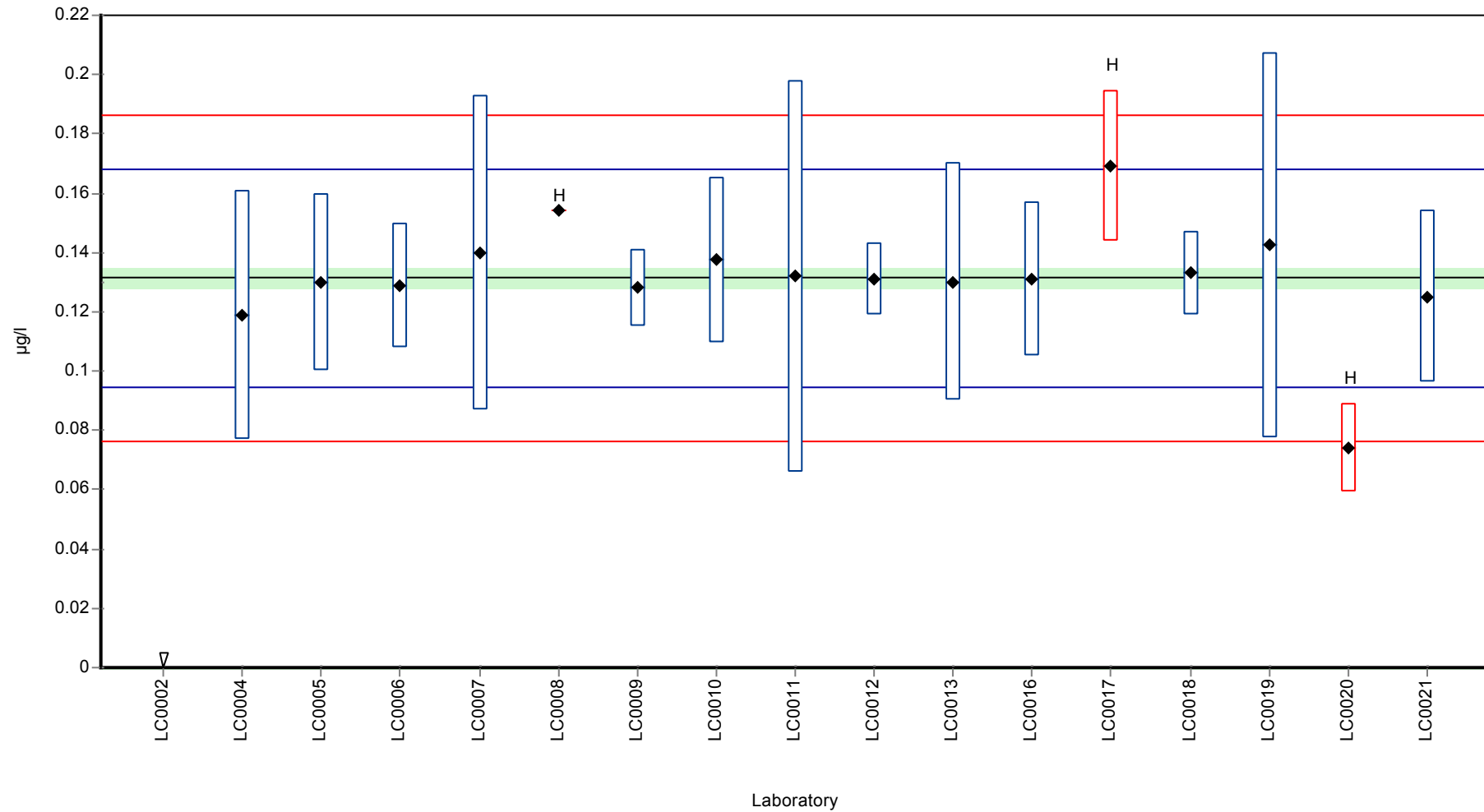
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	< 0.005 (LOQ)	-	-	-	FN
LC0003	-	-	-	-	
LC0004	0.119	0.042	90.6	-0.67	
LC0005	0.13	0.03	98.9	-0.08	
LC0006	0.129	0.021	98.2	-0.13	
LC0007	0.14	0.053	107	0.47	
LC0008	0.154	24	117	1.23	H
LC0009	0.128	0.013	97.4	-0.18	
LC0010	0.1375	0.028	105	0.33	
LC0011	0.132	0.066	100	0.03	
LC0012	0.131	0.012	99.7	-0.02	
LC0013	0.13	0.04	98.9	-0.08	
LC0014	-	-	-	-	
LC0015	-	-	-	-	
LC0016	0.131	0.026	99.7	-0.02	
LC0017	0.169	0.0254	129	2.05	H
LC0018	0.133	0.014	101	0.09	
LC0019	0.1425	0.065	108	0.6	
LC0020	0.074	0.015	56.3	-3.12	H
LC0021	0.125	0.029	95.1	-0.35	

Characteristics of parameter

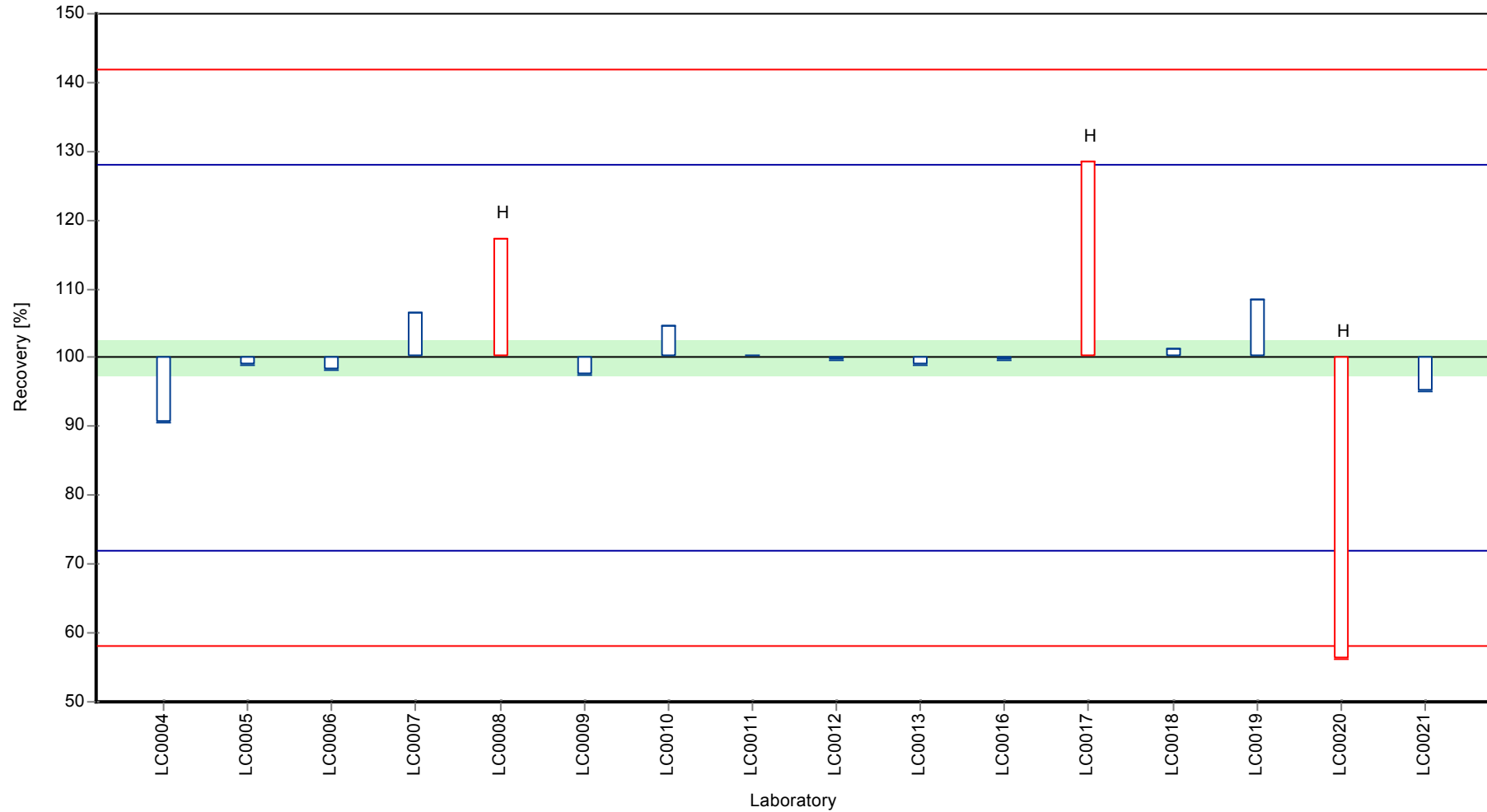
	all results	without outliers	Unit
Mean ± CI (99%)	0.132 ± 0.0146	0.131 ± 0.00512	µg/l
Minimum	0.074	0.119	µg/l
Maximum	0.169	0.142	µg/l
Standard deviation	0.0194	0.00615	µg/l
rel. standard deviation	14.8	4.68	%
n	16	13	-

Graphical presentation of results

Results



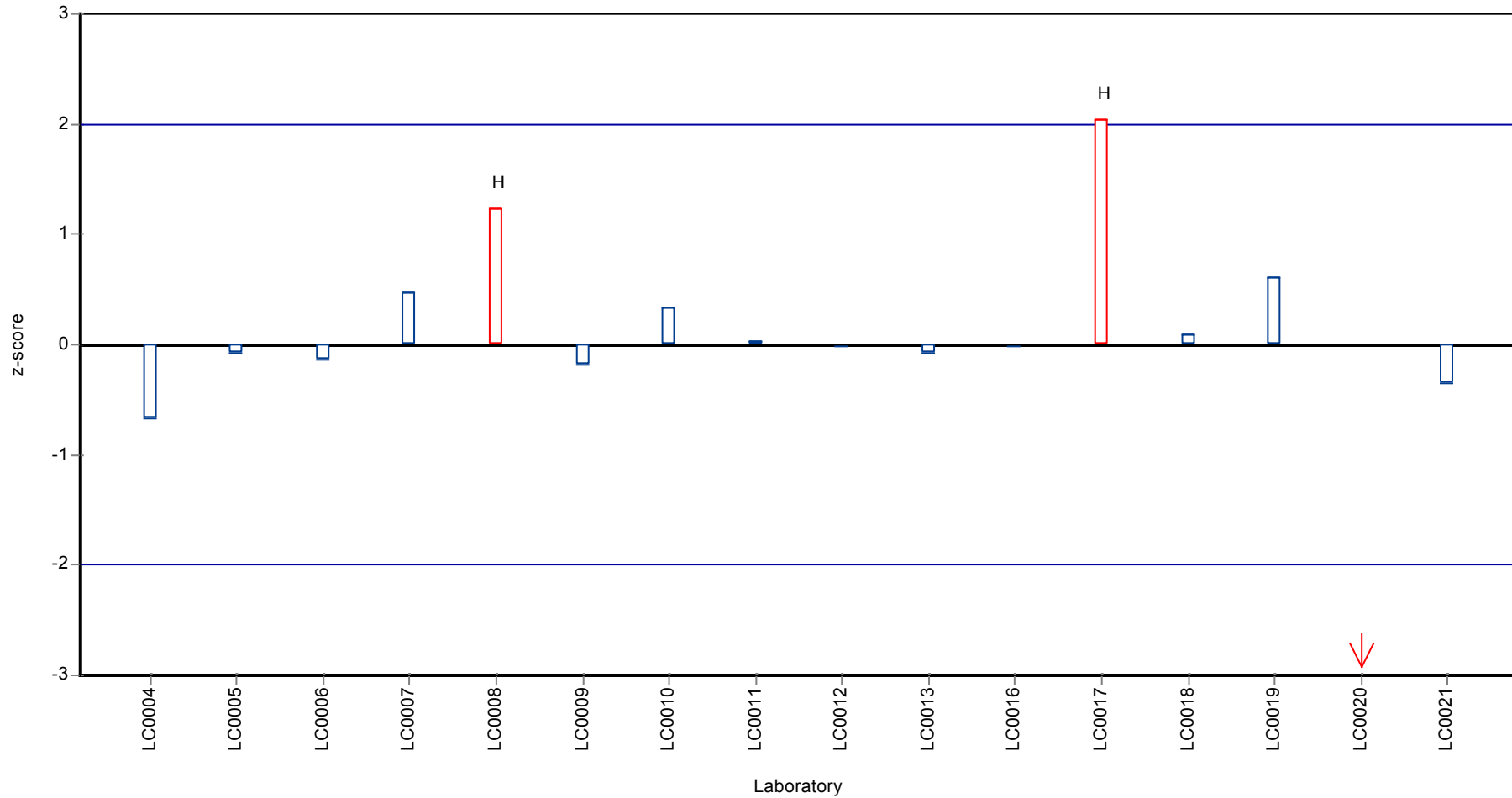
Recovery rate



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ6

Sample: AZ6A, Parameter: Carbamazepine

Z-score



Parameter oriented report

AZ6 B

Carbamazepine

Unit	µg/l
Assigned value ± U (k=2)	0.387 ± 0.0241
Criterion	0.0542 (14 %)
Minimum - Maximum	0.31 - 0.473
Control test value ± U (k=2)	0.406 ± 0.069

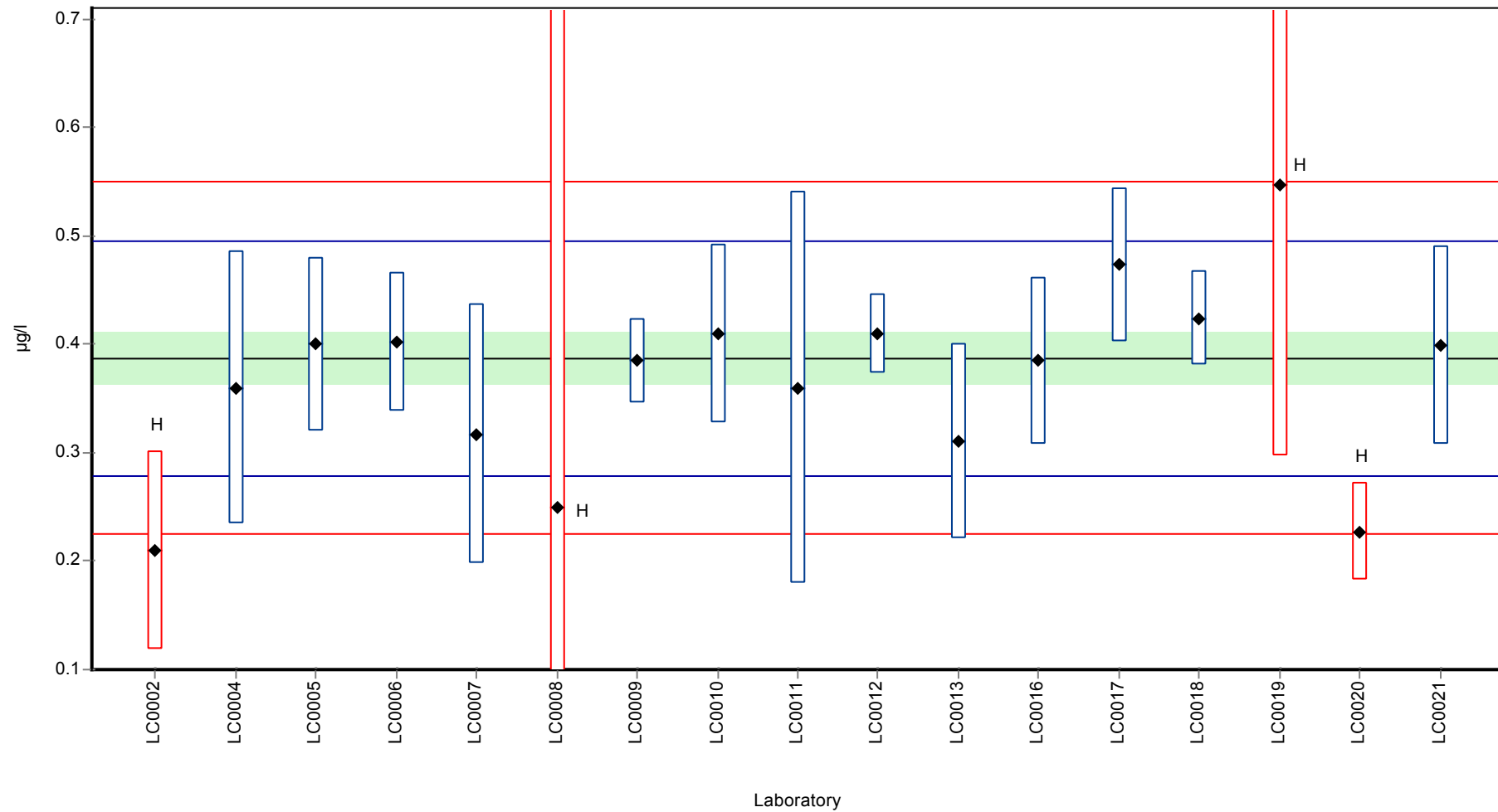
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	0.21	0.092	54.2	-3.27	H
LC0003	-	-	-	-	
LC0004	0.36	0.126	93	-0.5	
LC0005	0.4	0.08	103	0.23	
LC0006	0.402	0.064	104	0.27	
LC0007	0.317	0.12	81.9	-1.3	
LC0008	0.249	24	64.3	-2.55	H
LC0009	0.385	0.039	99.4	-0.04	
LC0010	0.4097	0.082	106	0.41	
LC0011	0.36	0.18	93	-0.5	
LC0012	0.4095	0.0369	106	0.41	
LC0013	0.31	0.09	80.1	-1.42	
LC0014	-	-	-	-	
LC0015	-	-	-	-	
LC0016	0.385	0.077	99.4	-0.04	
LC0017	0.473	0.071	122	1.58	
LC0018	0.424	0.043	109	0.68	
LC0019	0.5461	0.25	141	2.93	H
LC0020	0.227	0.045	58.6	-2.96	H
LC0021	0.399	0.092	103	0.22	

Characteristics of parameter

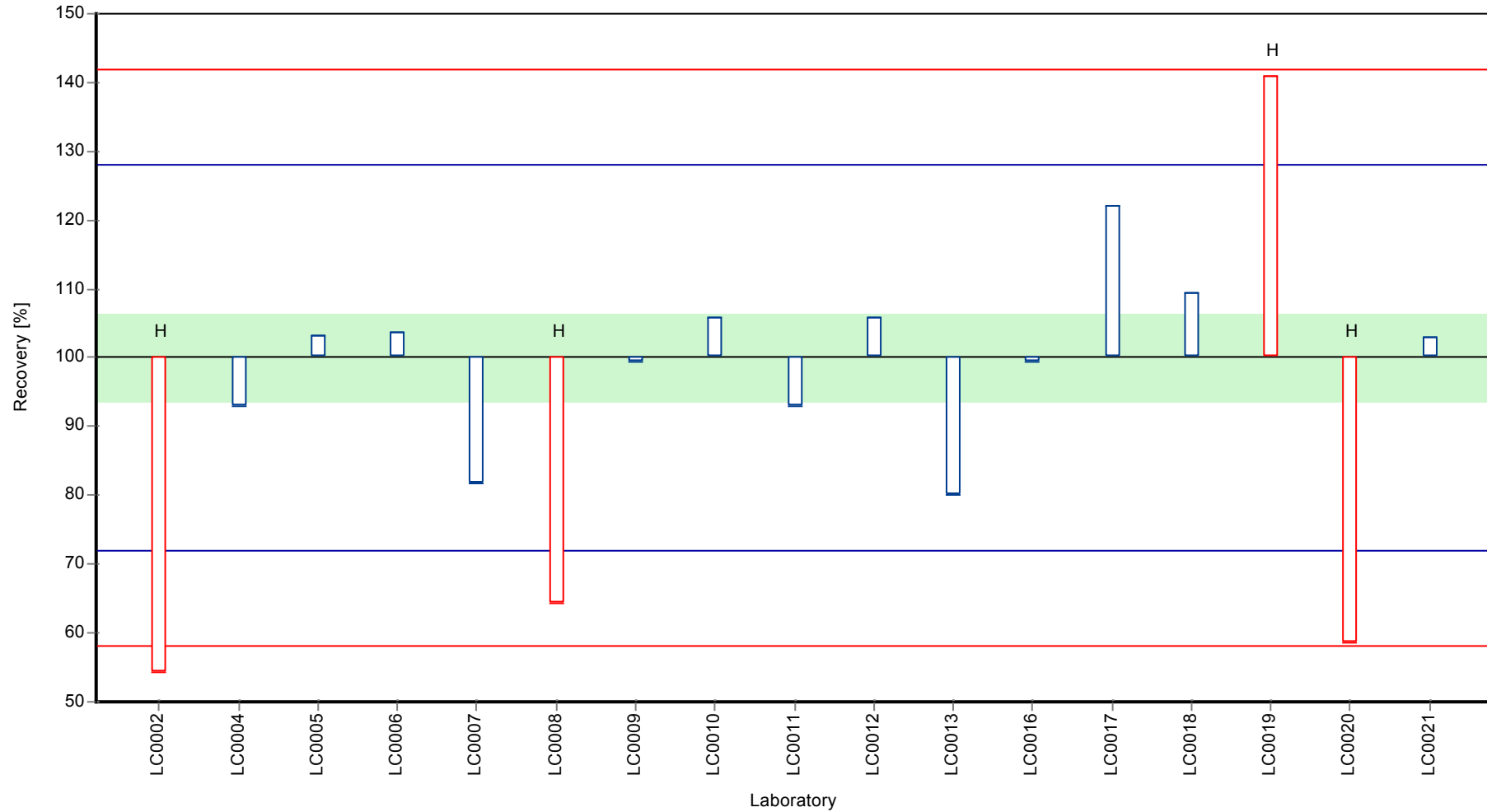
	all results	without outliers	Unit
Mean ± CI (99%)	0.369 ± 0.0625	0.387 ± 0.0361	µg/l
Minimum	0.21	0.31	µg/l
Maximum	0.546	0.473	µg/l
Standard deviation	0.0859	0.0434	µg/l
rel. standard deviation	23.3	11.2	%
n	17	13	-

Graphical presentation of results

Results



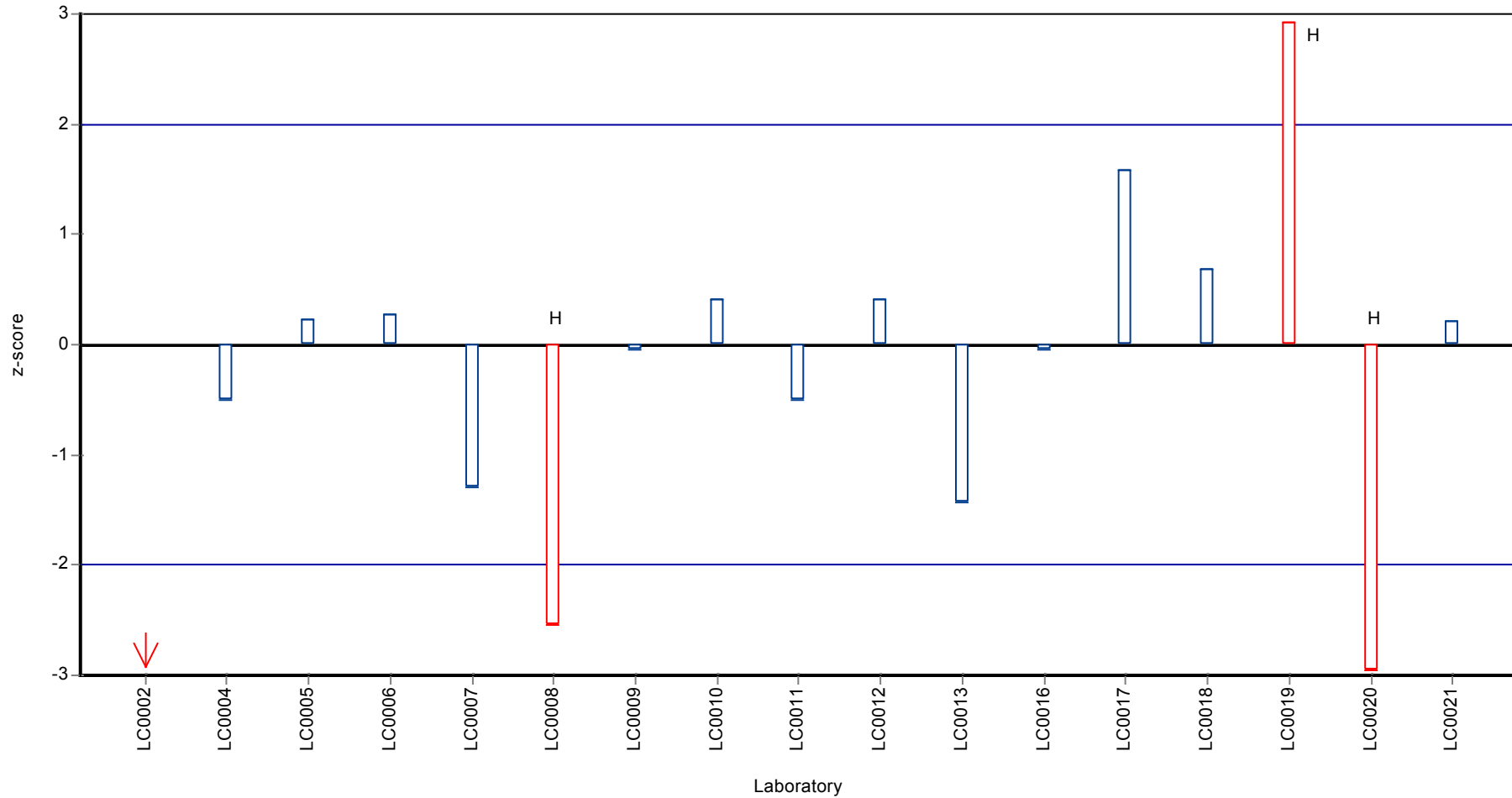
Recovery rate



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ6

Sample: AZ6B, Parameter: Carbamazepine

Z-score



Parameter oriented report

AZ6 A

Cyclamate

Unit	µg/l
Assigned value ± U (k=2)	0.0645 ± 0.0127
Criterion	0.0211 (33 %)
Minimum - Maximum	0.039 - 0.114
Control test value ± U (k=2)	0.0668 ± 0.01

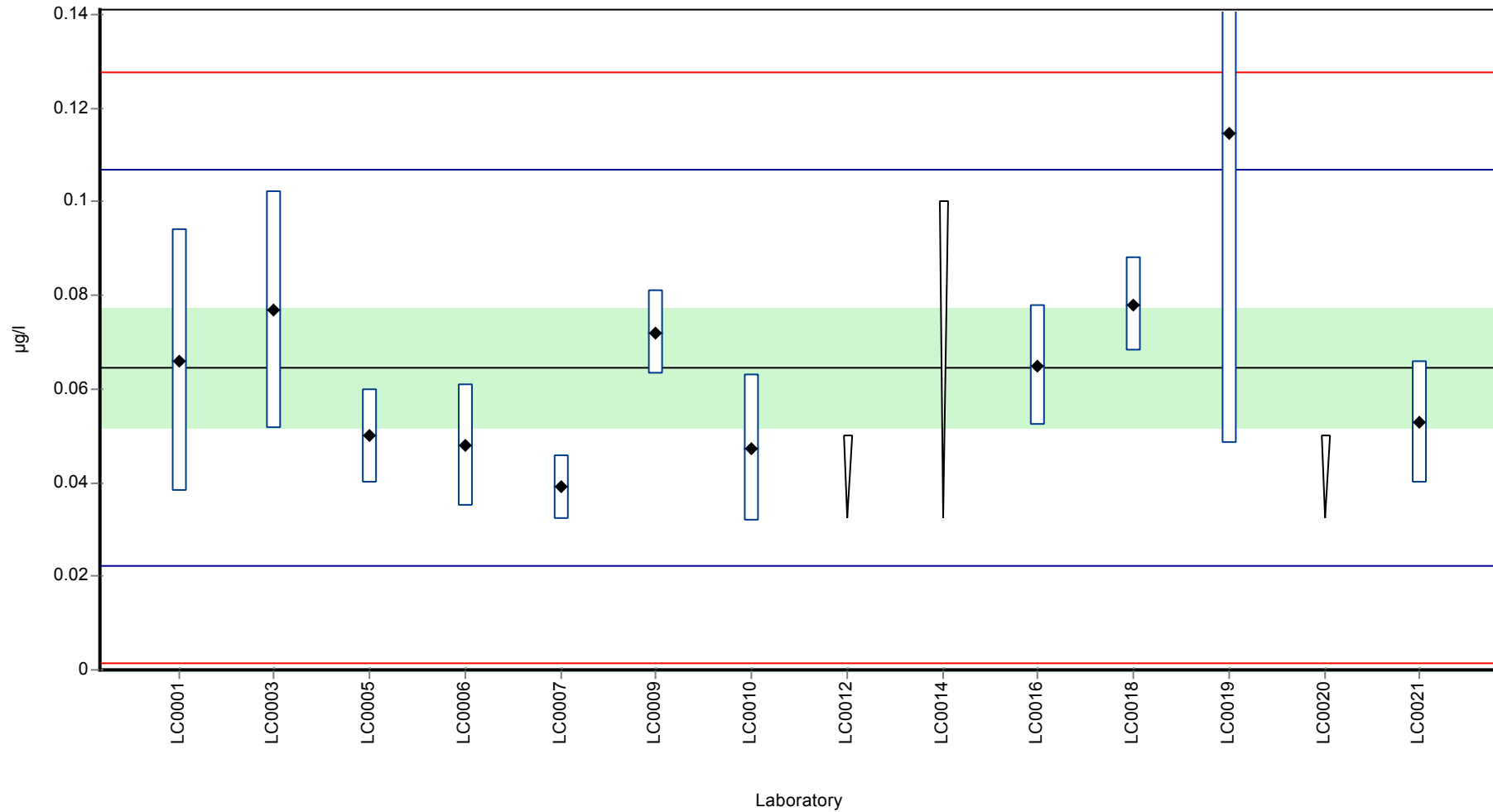
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.066	0.028	102	0.07	
LC0002	-	-	-	-	
LC0003	0.0769	0.02547	119	0.59	
LC0004	-	-	-	-	
LC0005	0.05	0.01	77.5	-0.69	
LC0006	0.048	0.013	74.4	-0.78	
LC0007	0.039	0.007	60.4	-1.21	
LC0008	-	-	-	-	
LC0009	0.072	0.009	112	0.35	
LC0010	0.0474	0.0156	73.5	-0.81	
LC0011	-	-	-	-	
LC0012	< 0.05 (LOQ)	-	-	-	
LC0013	-	-	-	-	
LC0014	< 0.1 (LOQ)	-	-	-	
LC0015	-	-	-	-	
LC0016	0.065	0.013	101	0.02	
LC0017	-	-	-	-	
LC0018	0.078	0.01	121	0.64	
LC0019	0.1144	0.066	177	2.37	
LC0020	< 0.05 (LOQ)	-	-	-	
LC0021	0.053	0.013	82.1	-0.55	

Characteristics of parameter

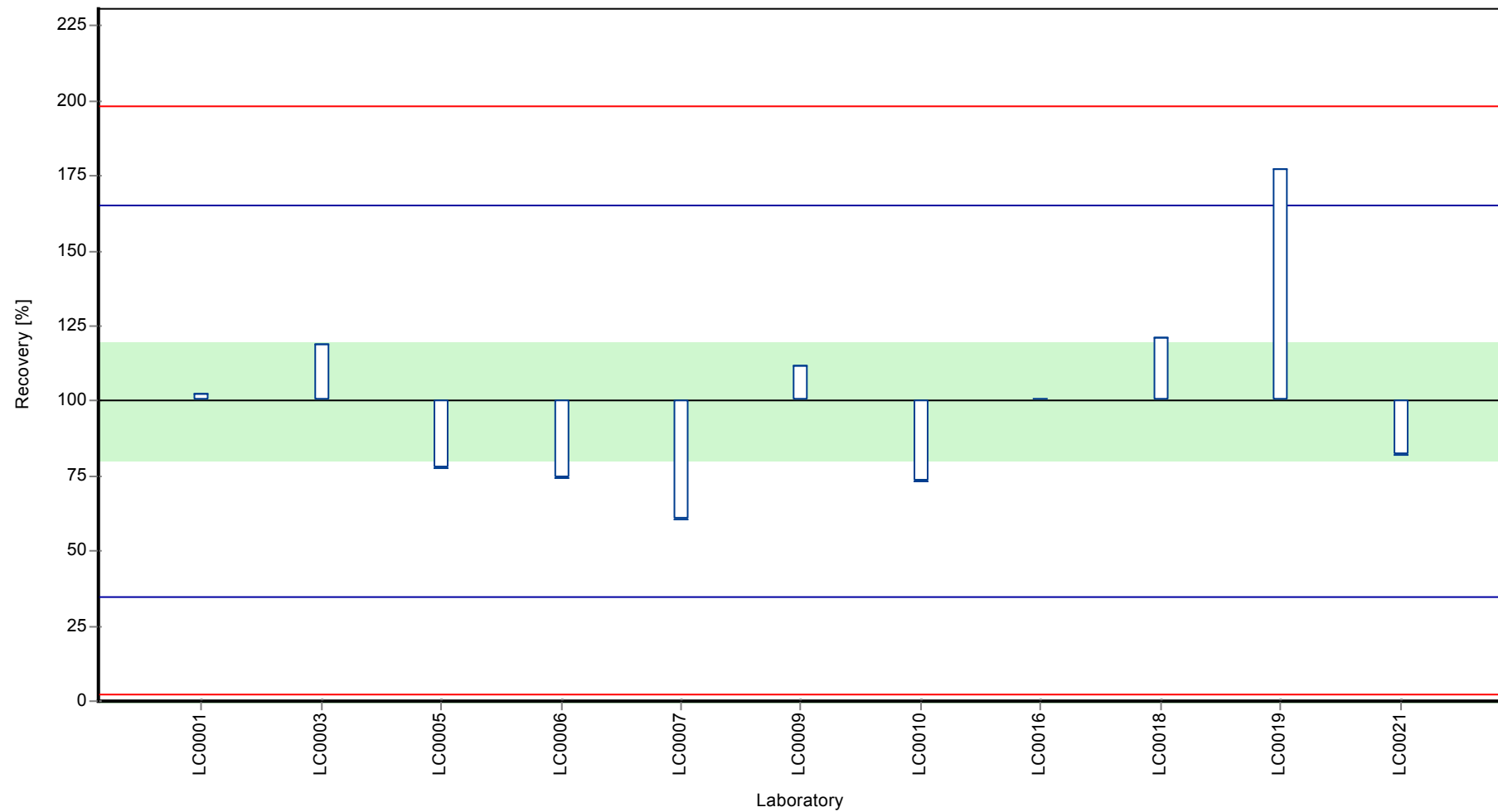
	all results	without outliers	Unit
Mean ± CI (99%)	0.0645 ± 0.0191	0.0645 ± 0.0191	µg/l
Minimum	0.039	0.039	µg/l
Maximum	0.114	0.114	µg/l
Standard deviation	0.0211	0.0211	µg/l
rel. standard deviation	32.7	32.7	%
n	11	11	-

Graphical presentation of results

Results



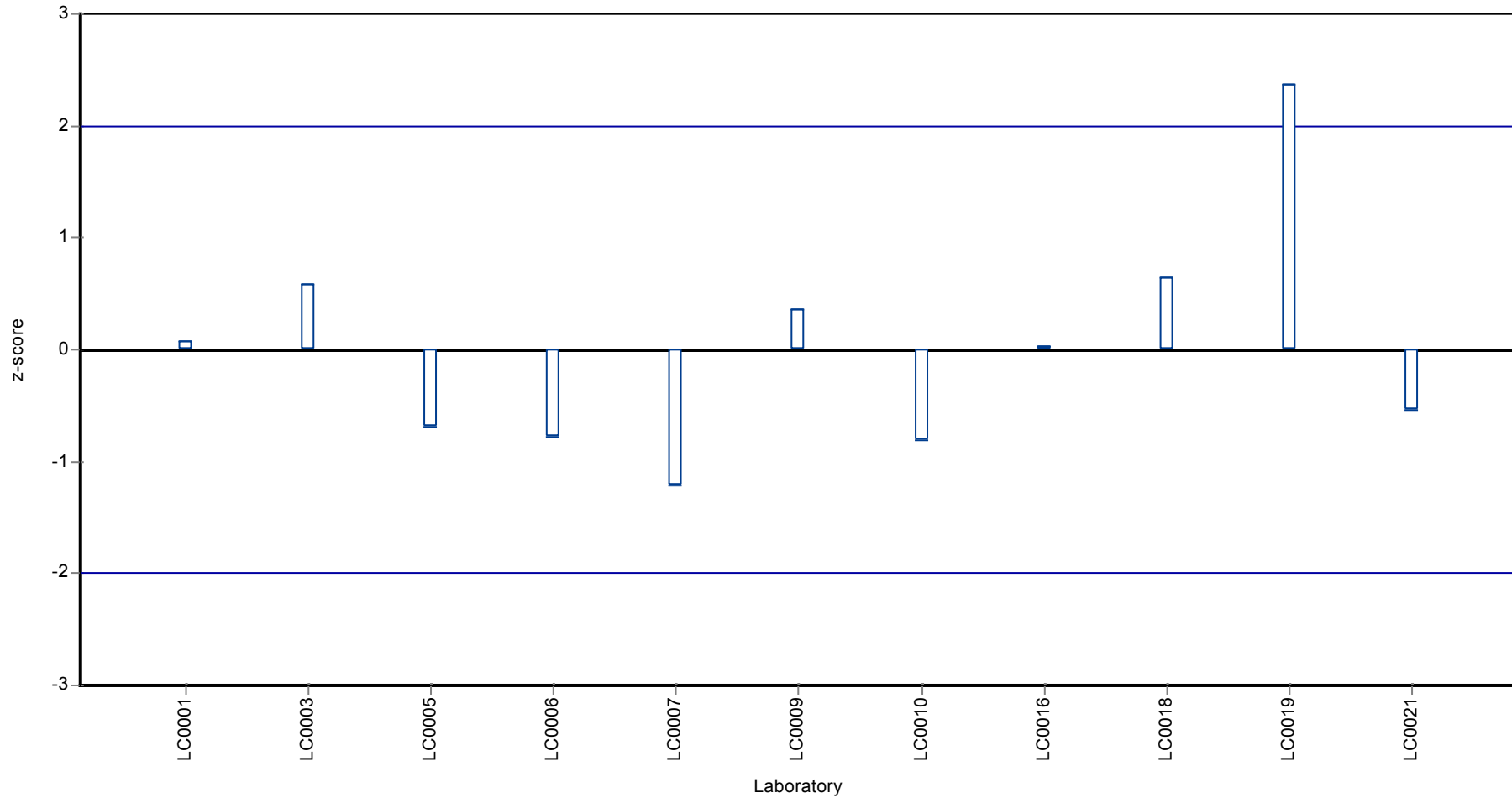
Recovery rate



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ6

Sample: AZ6A, Parameter: Cyclamate

Z-score



Parameter oriented report

AZ6 B

Cyclamate

Unit	µg/l
Assigned value ± U (k=2)	0.146 ± 0.0396
Criterion	0.0656 (45 %)
Minimum - Maximum	0.0641 - 0.282
Control test value ± U (k=2)	0.103 ± 0.0155

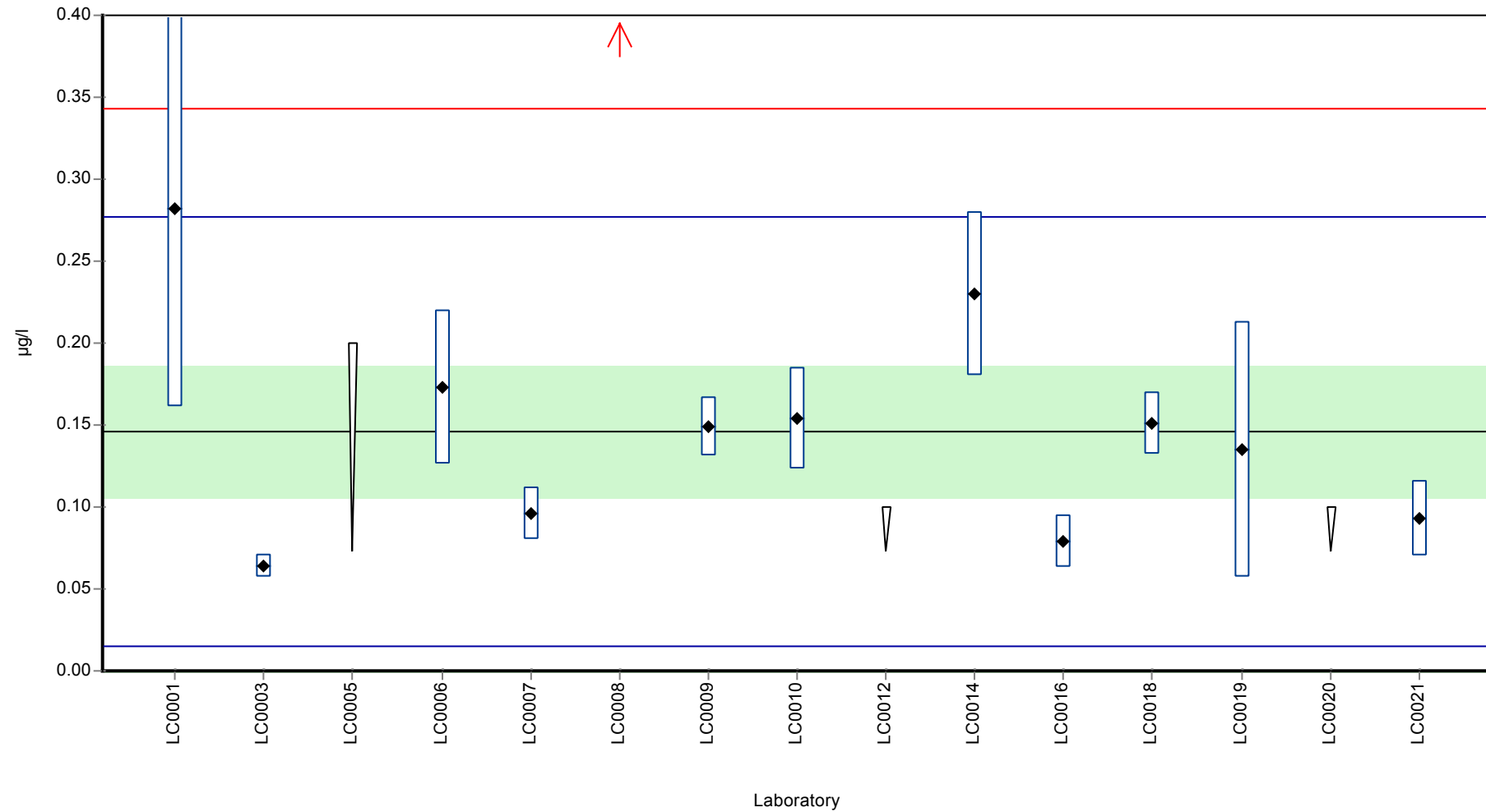
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.282	0.121	193	2.07	
LC0002	-	-	-	-	
LC0003	0.0641	0.00694	43.9	-1.25	
LC0004	-	-	-	-	
LC0005	< 0.2 (LOQ)	-	-	-	
LC0006	0.173	0.047	118	0.41	
LC0007	0.096	0.016	65.7	-0.76	
LC0008	2.28	24	1560	32.5	H
LC0009	0.149	0.018	102	0.05	
LC0010	0.1544	0.031	106	0.13	
LC0011	-	-	-	-	
LC0012	< 0.1 (LOQ)	-	-	-	
LC0013	-	-	-	-	
LC0014	0.23	0.05	158	1.28	
LC0015	-	-	-	-	
LC0016	0.079	0.016	54.1	-1.02	
LC0017	-	-	-	-	
LC0018	0.151	0.019	103	0.08	
LC0019	0.1347	0.078	92.2	-0.17	
LC0020	< 0.1 (LOQ)	-	-	-	
LC0021	0.093	0.023	63.7	-0.81	

Characteristics of parameter

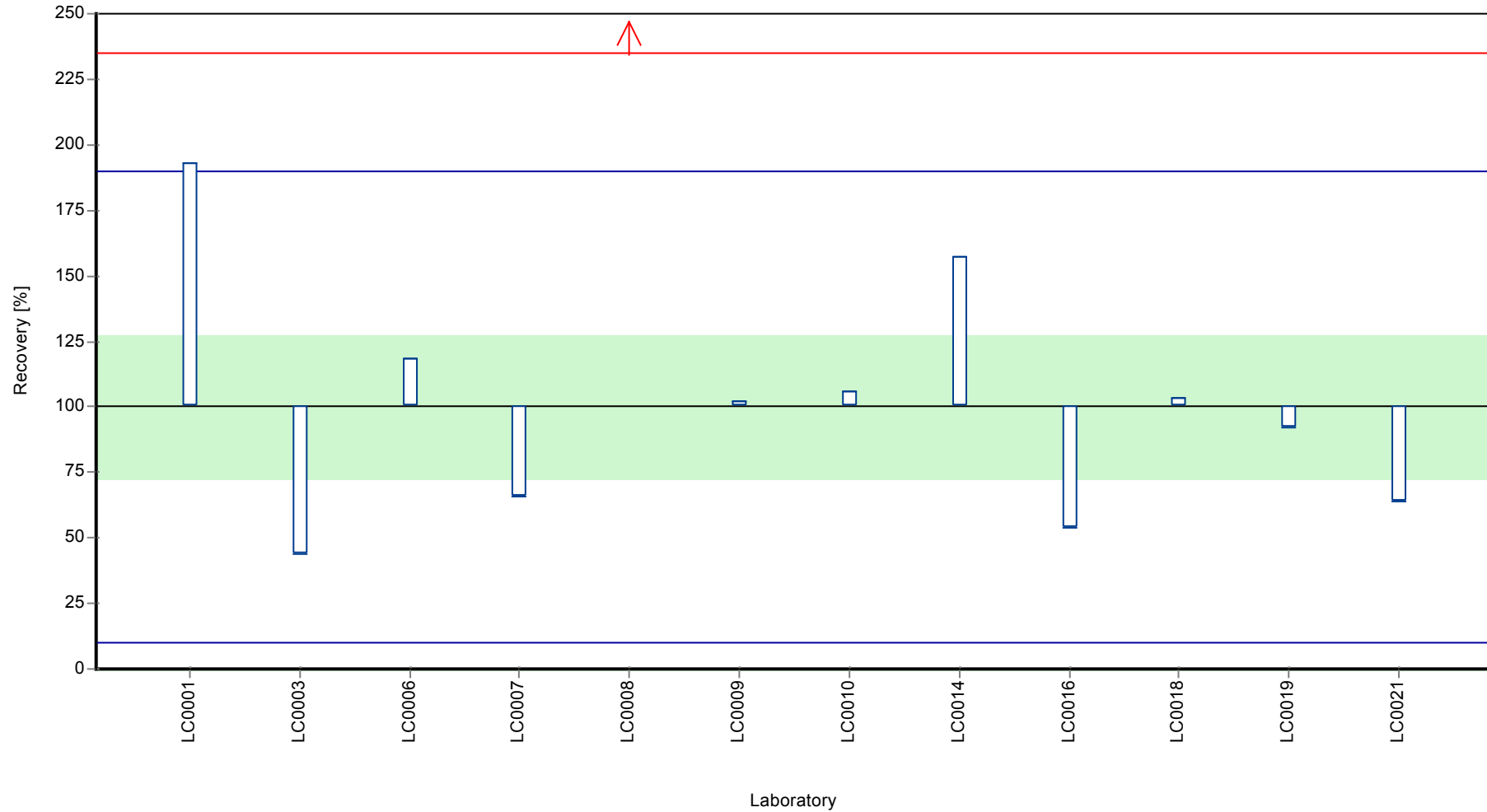
	all results	without outliers	Unit
Mean ± CI (99%)	0.324 ± 0.536	0.146 ± 0.0593	µg/l
Minimum	0.0641	0.0641	µg/l
Maximum	2.28	0.282	µg/l
Standard deviation	0.619	0.0656	µg/l
rel. standard deviation	191	44.9 %	
n	12	11	-

Graphical presentation of results

Results



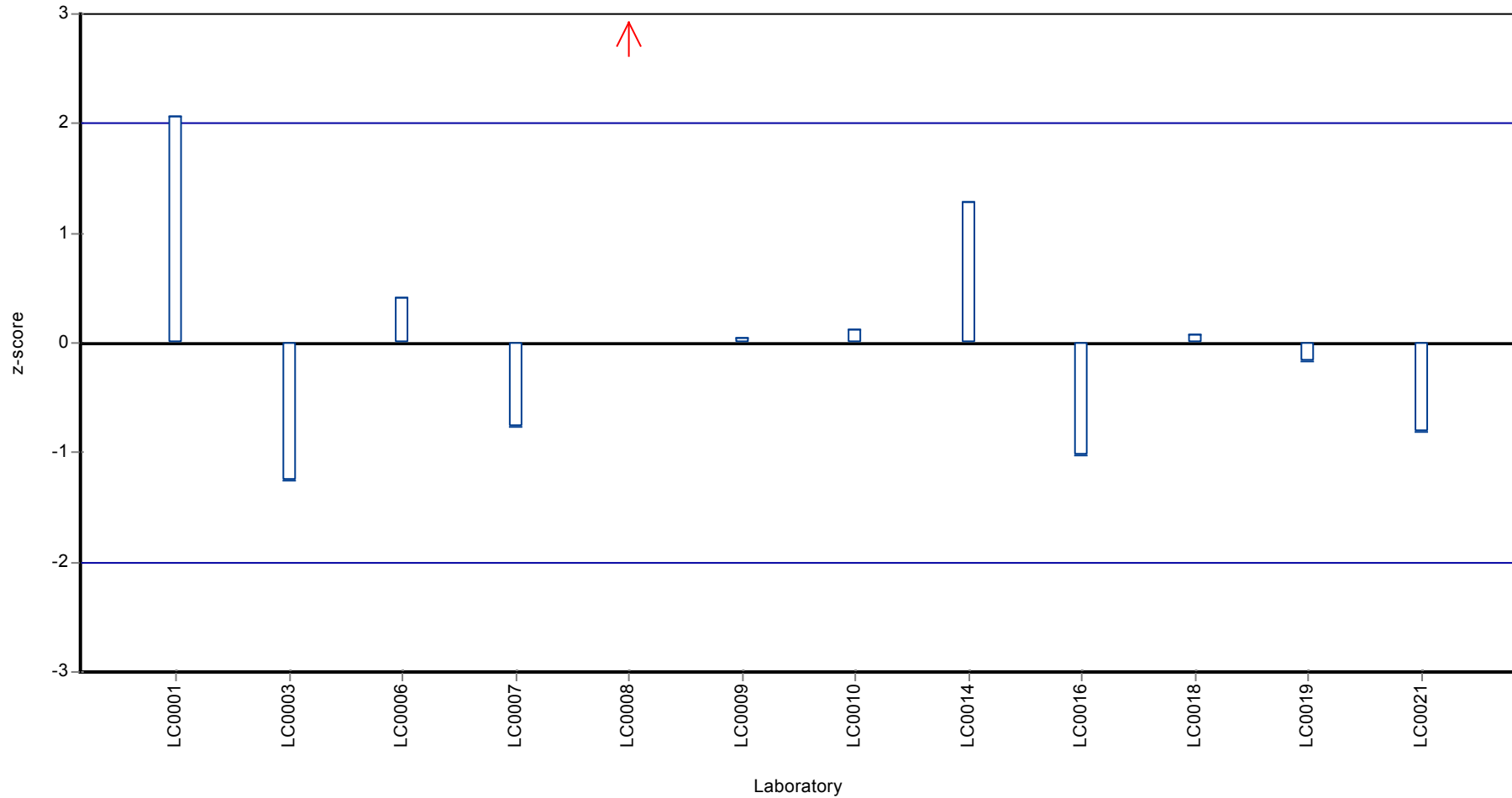
Recovery rate



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ6

Sample: AZ6B, Parameter: Cyclamate

Z-score



Parameter oriented report

AZ6 A

Diazepam

Unit	µg/l
Assigned value ± U (k=2)	-
Criterion	-
Minimum - Maximum	-
Control test value ± U (k=2)	<0.013 (LOQ)

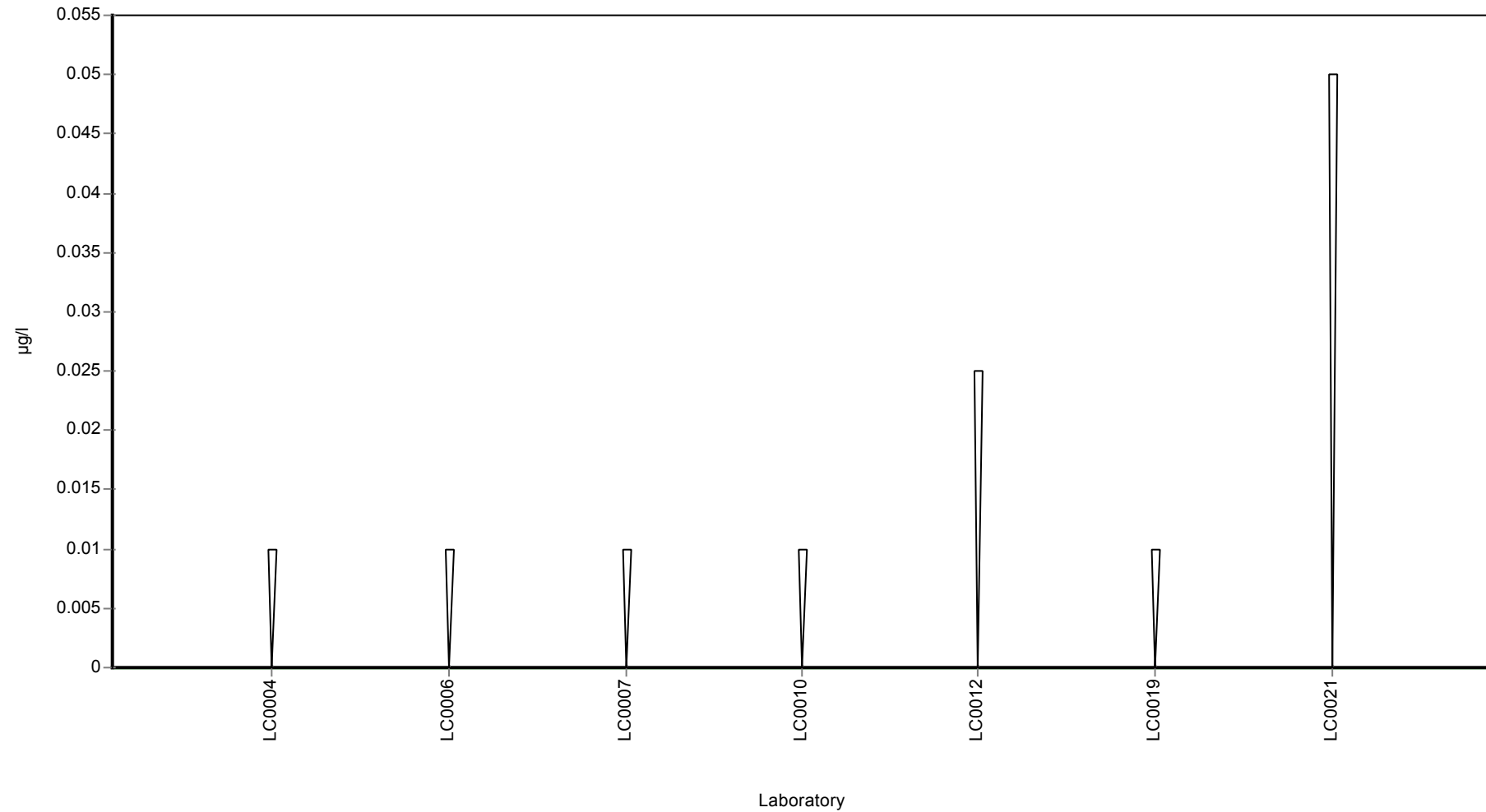
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	-	-	-	-	
LC0004	< 0.01 (LOQ)	-	-	-	
LC0005	-	-	-	-	
LC0006	< 0.01 (LOQ)	-	-	-	
LC0007	< 0.01 (LOQ)	-	-	-	
LC0008	-	-	-	-	
LC0009	-	-	-	-	
LC0010	< 0.01 (LOQ)	-	-	-	
LC0011	-	-	-	-	
LC0012	< 0.025 (LOQ)	-	-	-	
LC0013	-	-	-	-	
LC0014	-	-	-	-	
LC0015	-	-	-	-	
LC0016	-	-	-	-	
LC0017	-	-	-	-	
LC0018	-	-	-	-	
LC0019	< 0.01 (LOQ)	-	-	-	
LC0020	-	-	-	-	
LC0021	< 0.05 (LOQ)	-	-	-	

Characteristics of parameter

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

Graphical presentation of results

Results



Parameter oriented report

AZ6 B

Diazepam

Unit	µg/l
Assigned value ± U (k=2)	0.307 ± 0.0387
Criterion	0.0512 (17 %)
Minimum - Maximum	0.23 - 0.376
Control test value ± U (k=2)	0.276 ± 0.0414

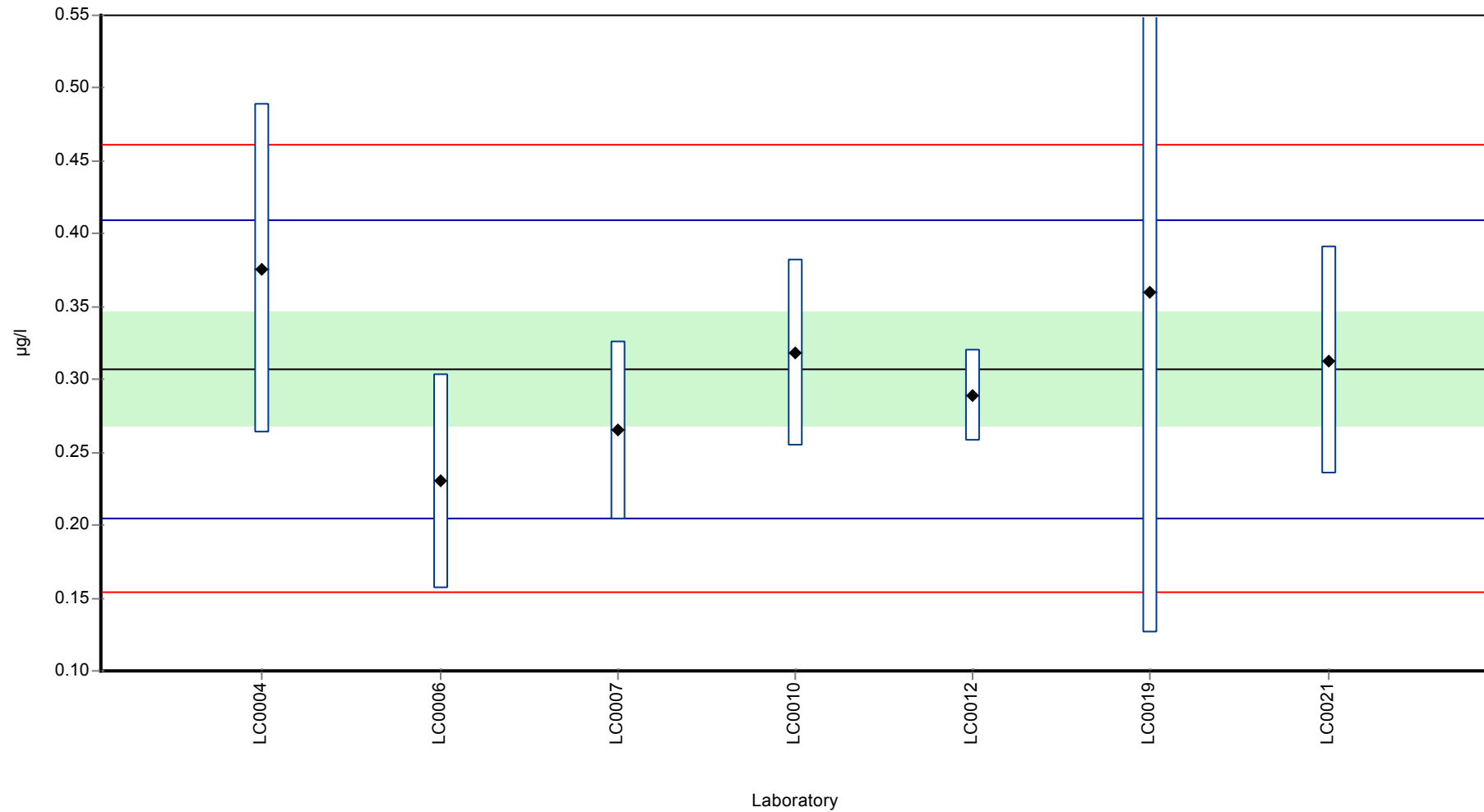
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	-	-	-	-	
LC0004	0.376	0.113	122	1.34	
LC0005	-	-	-	-	
LC0006	0.23	0.074	74.9	-1.51	
LC0007	0.265	0.061	86.2	-0.82	
LC0008	-	-	-	-	
LC0009	-	-	-	-	
LC0010	0.3179	0.064	103	0.21	
LC0011	-	-	-	-	
LC0012	0.289	0.032	94.1	-0.36	
LC0013	-	-	-	-	
LC0014	-	-	-	-	
LC0015	-	-	-	-	
LC0016	-	-	-	-	
LC0017	-	-	-	-	
LC0018	-	-	-	-	
LC0019	0.36	0.234	117	1.03	
LC0020	-	-	-	-	
LC0021	0.313	0.078	102	0.11	

Characteristics of parameter

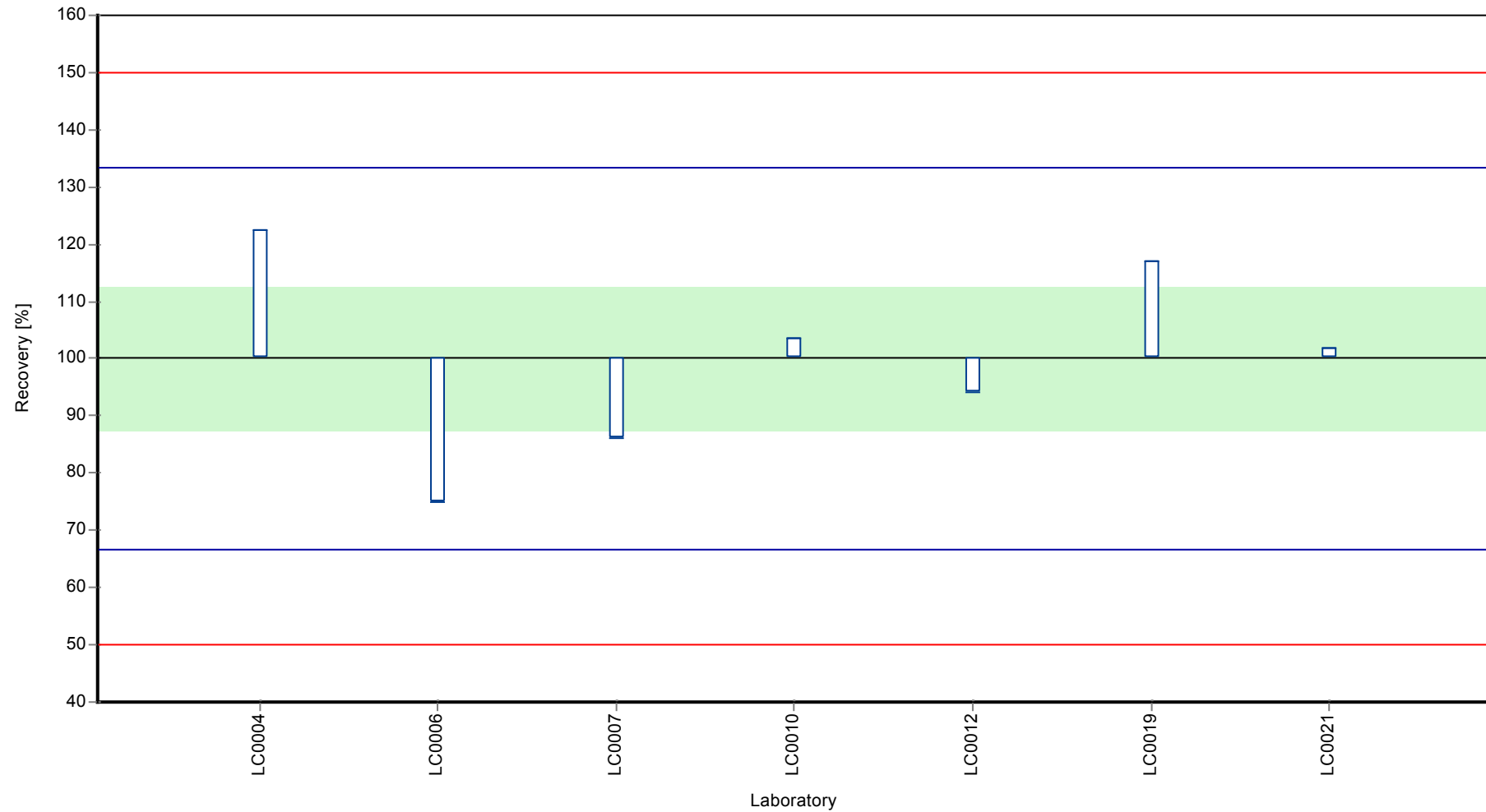
	all results	without outliers	Unit
Mean ± CI (99%)	0.307 ± 0.0581	0.307 ± 0.0581	µg/l
Minimum	0.23	0.23	µg/l
Maximum	0.376	0.376	µg/l
Standard deviation	0.0512	0.0512	µg/l
rel. standard deviation	16.7	16.7	%
n	7	7	-

Graphical presentation of results

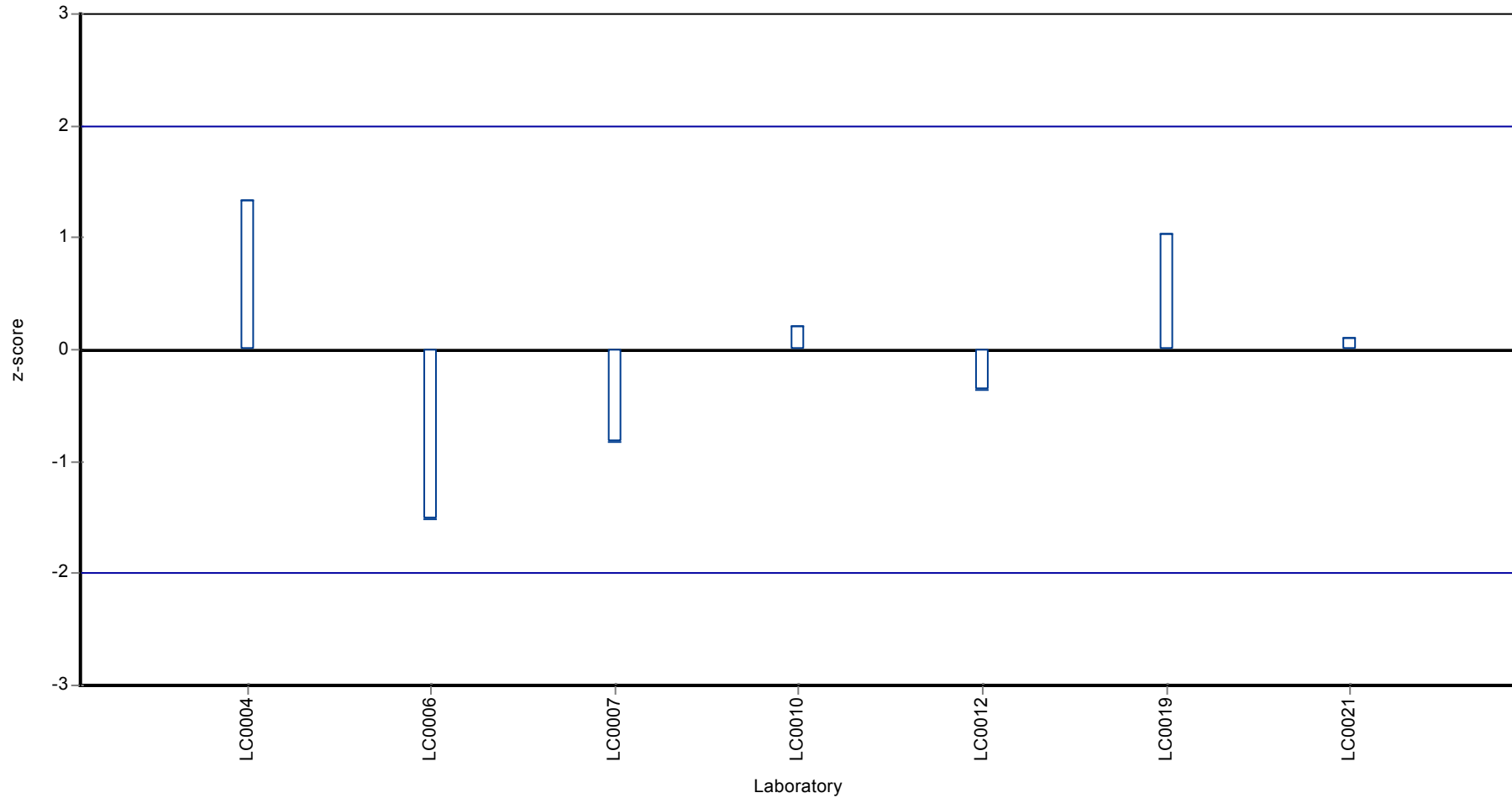
Results



Recovery rate



Z-score



Parameter oriented report

AZ6 A

Diclofenac

Unit	µg/l
Assigned value ± U (k=2)	0.142 ± 0.0135
Criterion	0.0262 (18 %)
Minimum - Maximum	0.077 - 0.174
Control test value ± U (k=2)	0.167 ± 0.025

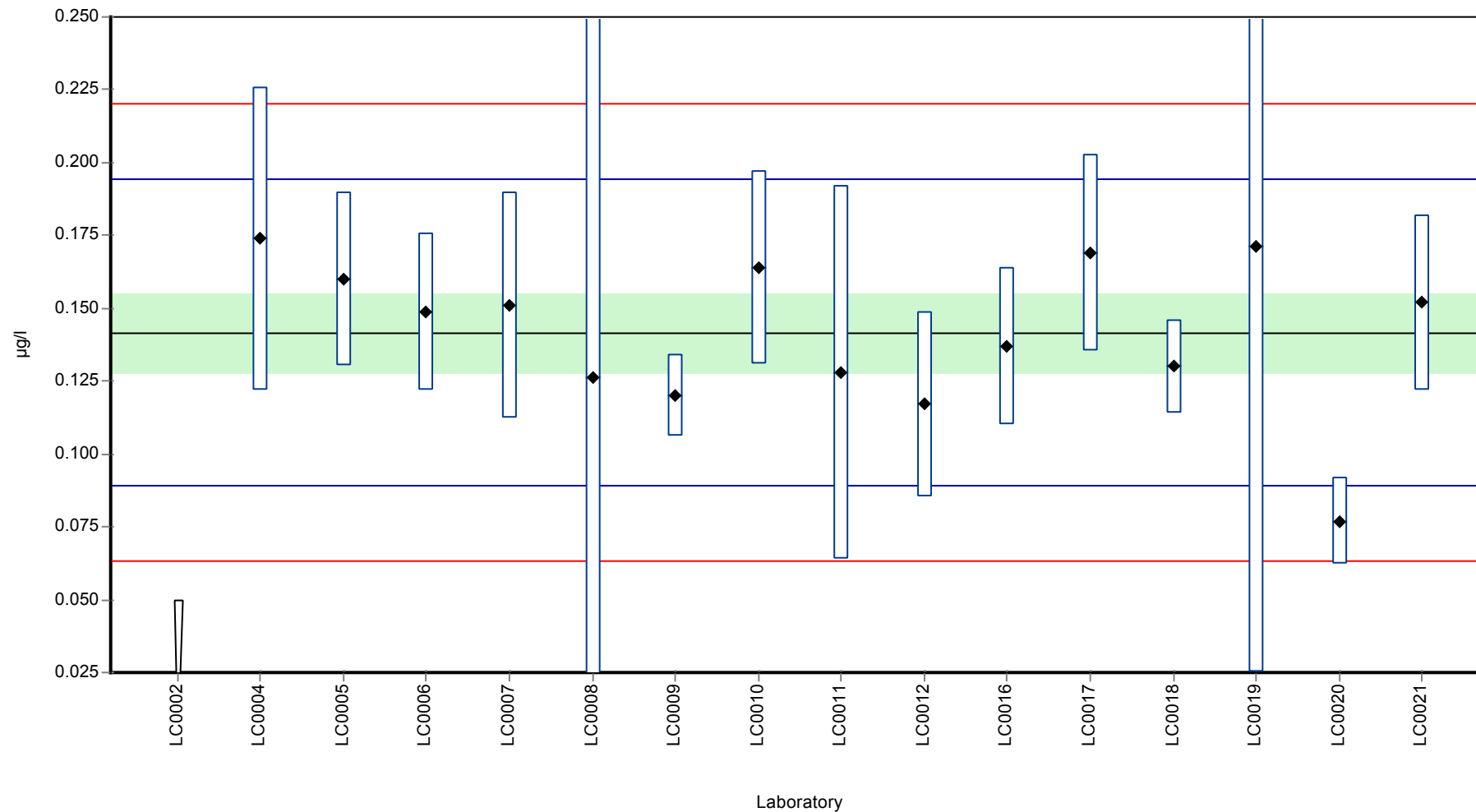
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	< 0.05 (LOQ)	-	-	-	FN
LC0003	-	-	-	-	
LC0004	0.174	0.052	123	1.23	
LC0005	0.16	0.03	113	0.7	
LC0006	0.149	0.027	105	0.28	
LC0007	0.151	0.039	107	0.36	
LC0008	0.126	24	88.9	-0.6	
LC0009	0.12	0.014	84.7	-0.83	
LC0010	0.164	0.033	116	0.85	
LC0011	0.128	0.064	90.3	-0.52	
LC0012	0.117	0.032	82.6	-0.94	
LC0013	-	-	-	-	
LC0014	-	-	-	-	
LC0015	-	-	-	-	
LC0016	0.137	0.027	96.7	-0.18	
LC0017	0.169	0.0338	119	1.04	
LC0018	0.13	0.016	91.8	-0.45	
LC0019	0.1712	0.146	121	1.13	
LC0020	0.077	0.015	54.3	-2.47	
LC0021	0.152	0.03	107	0.39	

Characteristics of parameter

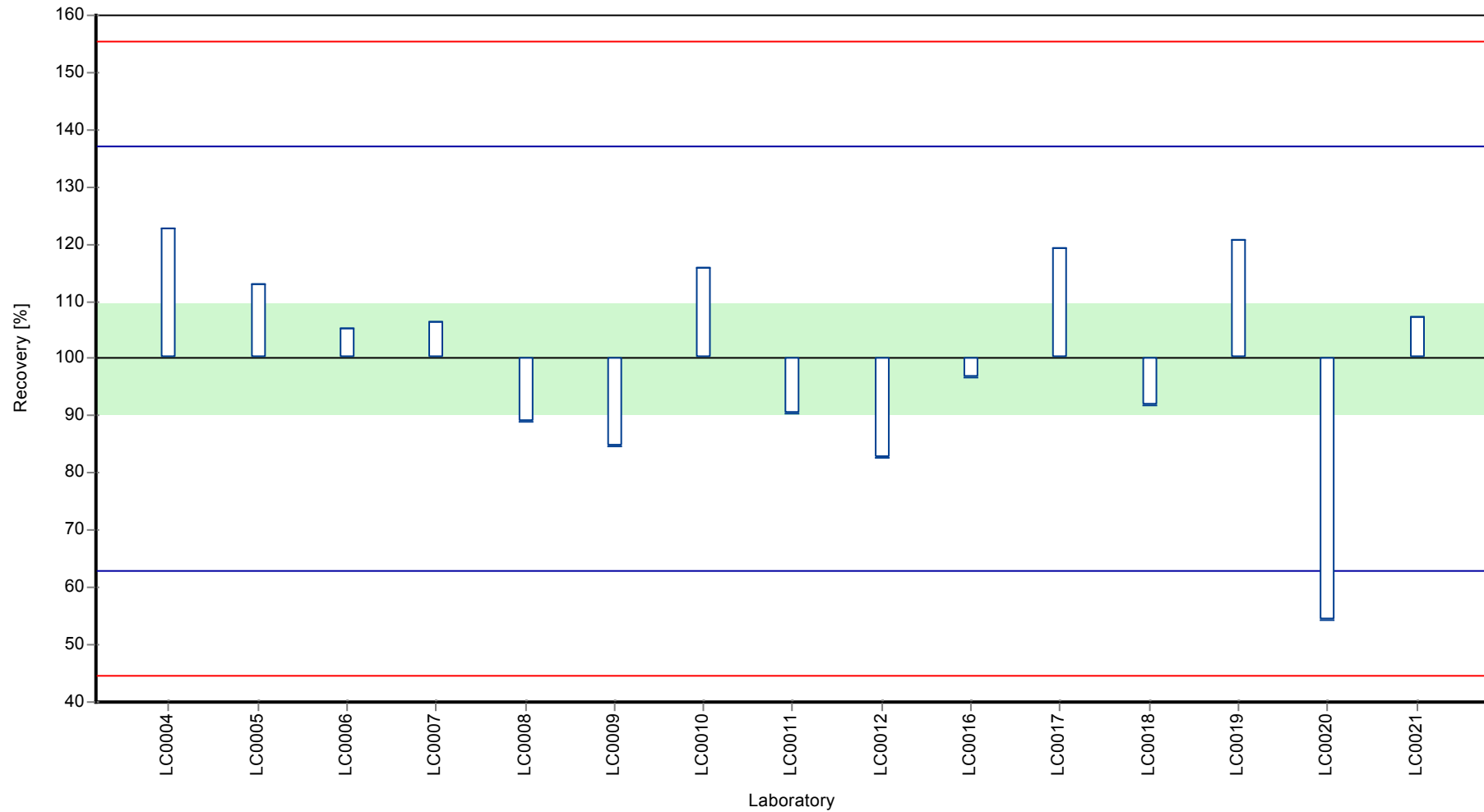
	all results	without outliers	Unit
Mean ± CI (99%)	0.142 ± 0.0203	0.142 ± 0.0203	µg/l
Minimum	0.077	0.077	µg/l
Maximum	0.174	0.174	µg/l
Standard deviation	0.0262	0.0262	µg/l
rel. standard deviation	18.5	18.5	%
n	15	15	-

Graphical presentation of results

Results



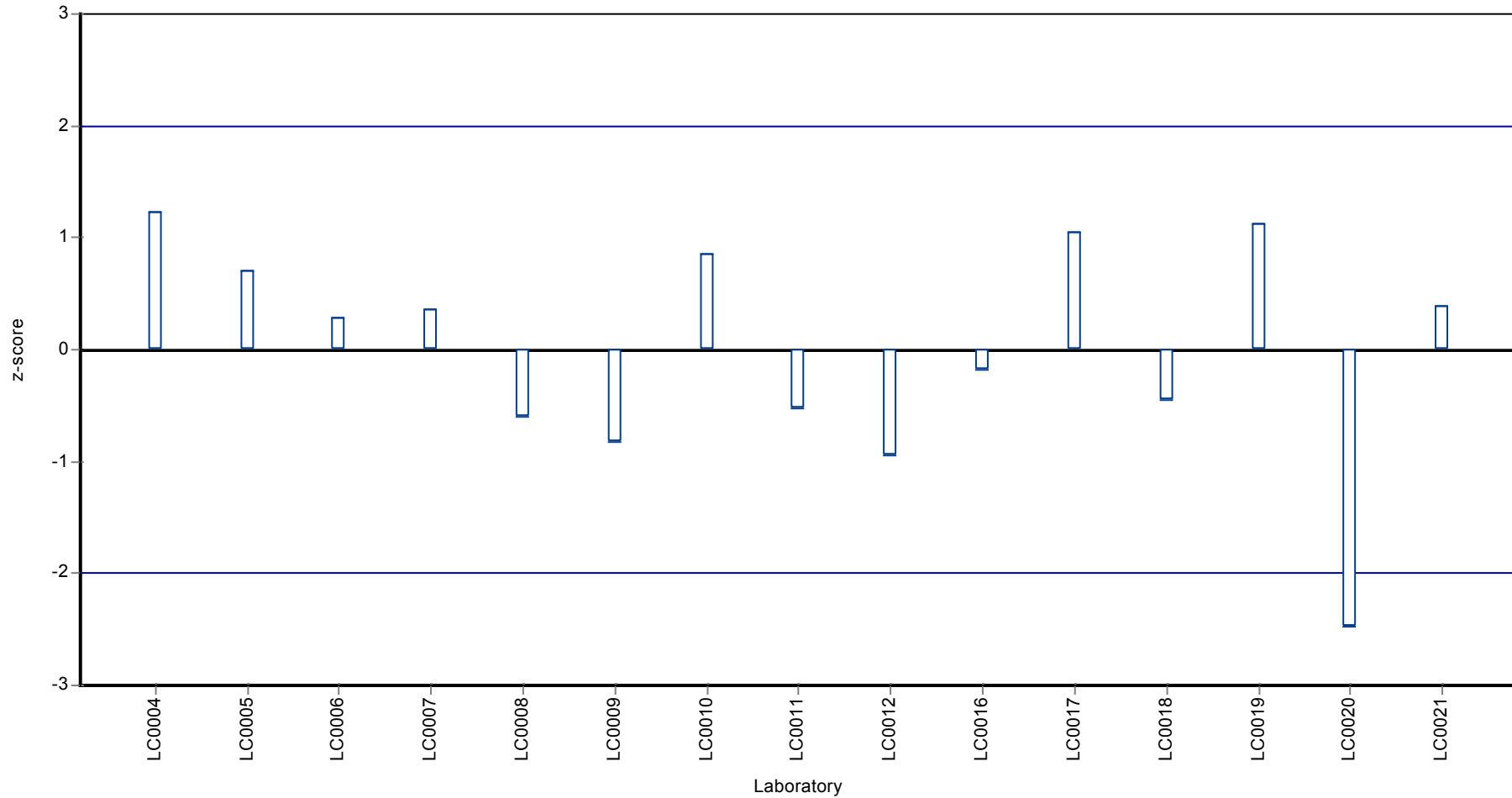
Recovery rate



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ6

Sample: AZ6A, Parameter: Diclofenac

Z-score



Parameter oriented report

AZ6 B

Diclofenac

Unit	µg/l
Assigned value ± U (k=2)	2.48 ± 0.148
Criterion	0.348 (14 %)
Minimum - Maximum	2.08 - 2.81
Control test value ± U (k=2)	2.58 ± 0.387

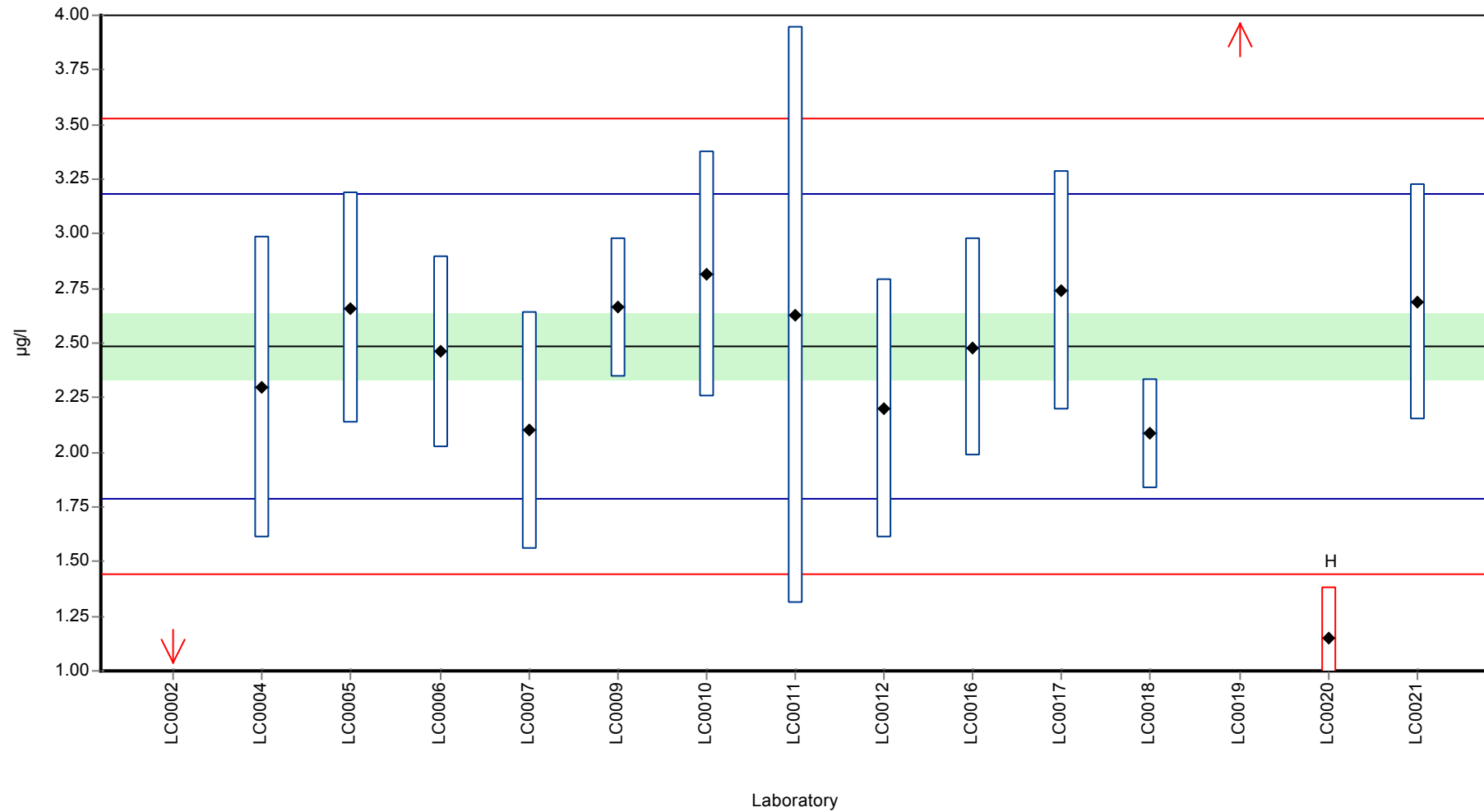
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	0.255	0.117	10.3	-6.41	H
LC0003	-	-	-	-	
LC0004	2.298	0.689	92.5	-0.54	
LC0005	2.66	0.53	107	0.5	
LC0006	2.46	0.44	99	-0.07	
LC0007	2.1	0.546	84.5	-1.11	
LC0008	-	-	-	-	
LC0009	2.663	0.32	107	0.51	
LC0010	2.813	0.563	113	0.94	
LC0011	2.63	1.32	106	0.42	
LC0012	2.2	0.59	88.5	-0.82	
LC0013	-	-	-	-	
LC0014	-	-	-	-	
LC0015	-	-	-	-	
LC0016	2.48	0.5	99.8	-0.01	
LC0017	2.74	0.548	110	0.73	
LC0018	2.084	0.253	83.9	-1.15	
LC0019	4.97	4.23	200	7.14	H
LC0020	1.15	0.23	46.3	-3.84	H
LC0021	2.69	0.54	108	0.59	

Characteristics of parameter

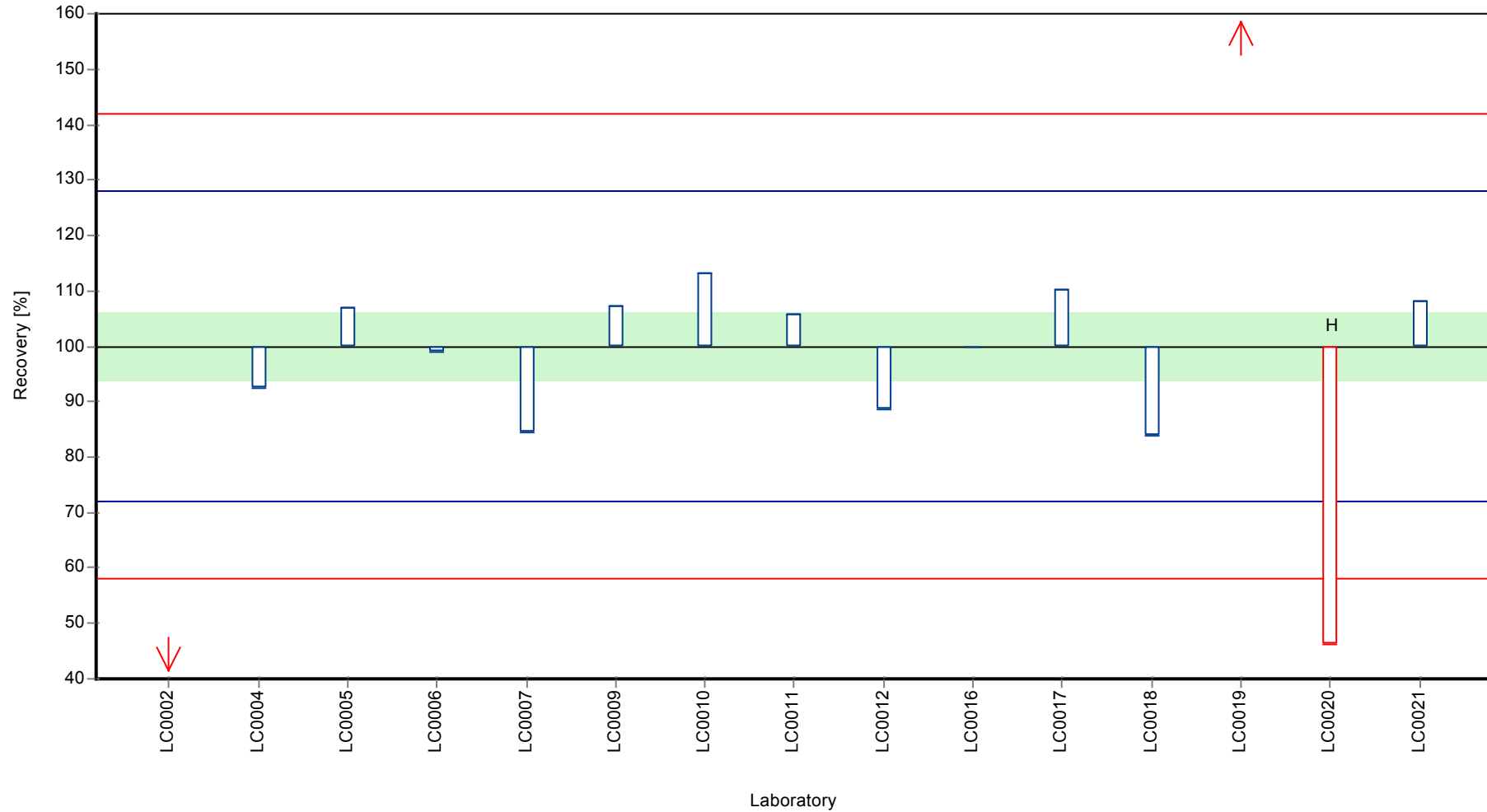
	all results	without outliers	Unit
Mean ± CI (99%)	2.41 ± 0.763	2.48 ± 0.222	µg/l
Minimum	0.255	2.08	µg/l
Maximum	4.97	2.81	µg/l
Standard deviation	0.985	0.257	µg/l
rel. standard deviation	40.8	10.3	%
n	15	12	-

Graphical presentation of results

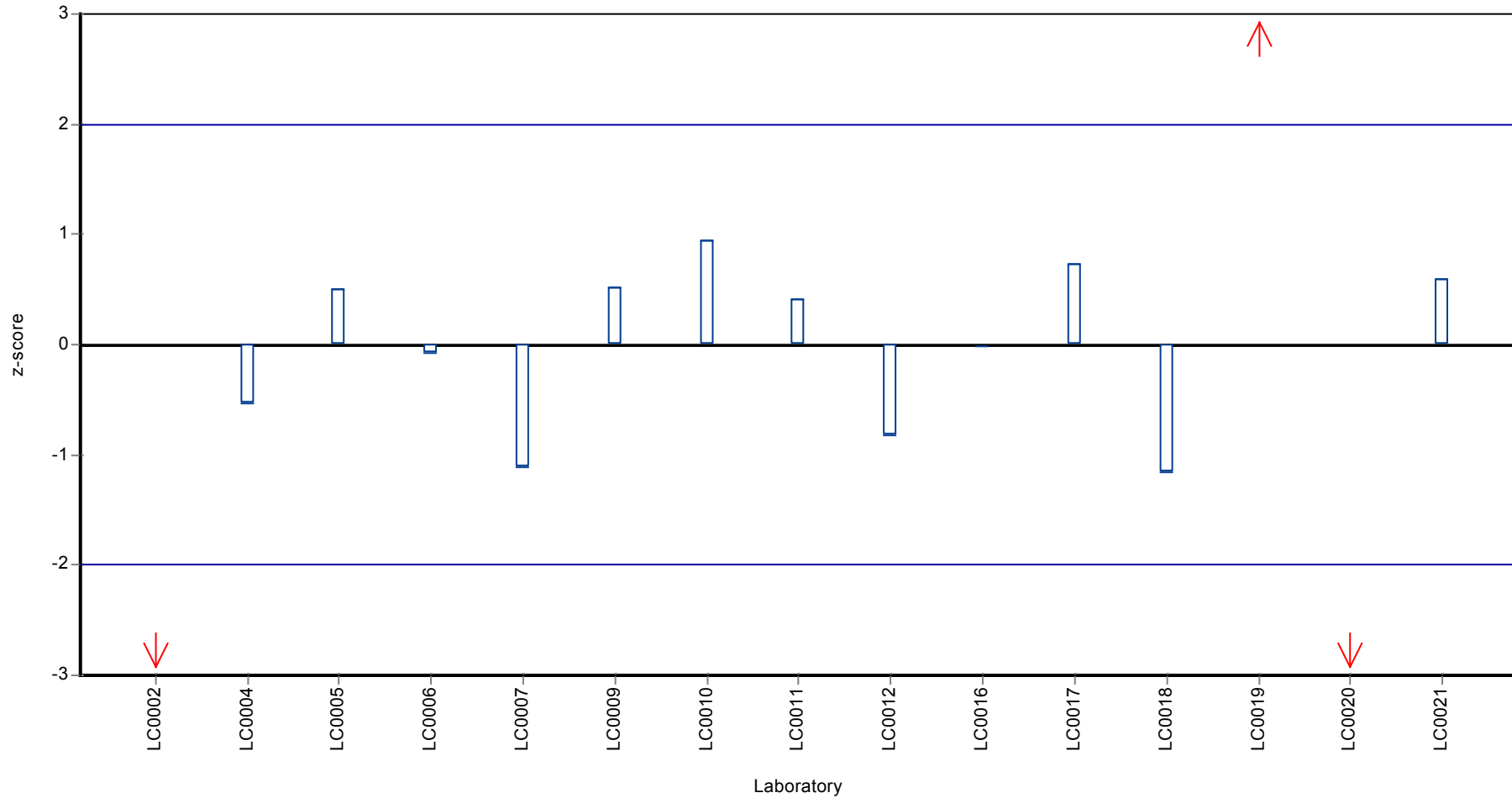
Results



Recovery rate



Z-score



Parameter oriented report

AZ6 A

Ibuprofen

Unit	µg/l
Assigned value ± U (k=2)	0.479 ± 0.00947
Criterion	0.0479 (10 %)
Minimum - Maximum	0.457 - 0.498
Control test value ± U (k=2)	0.493 ± 0.074

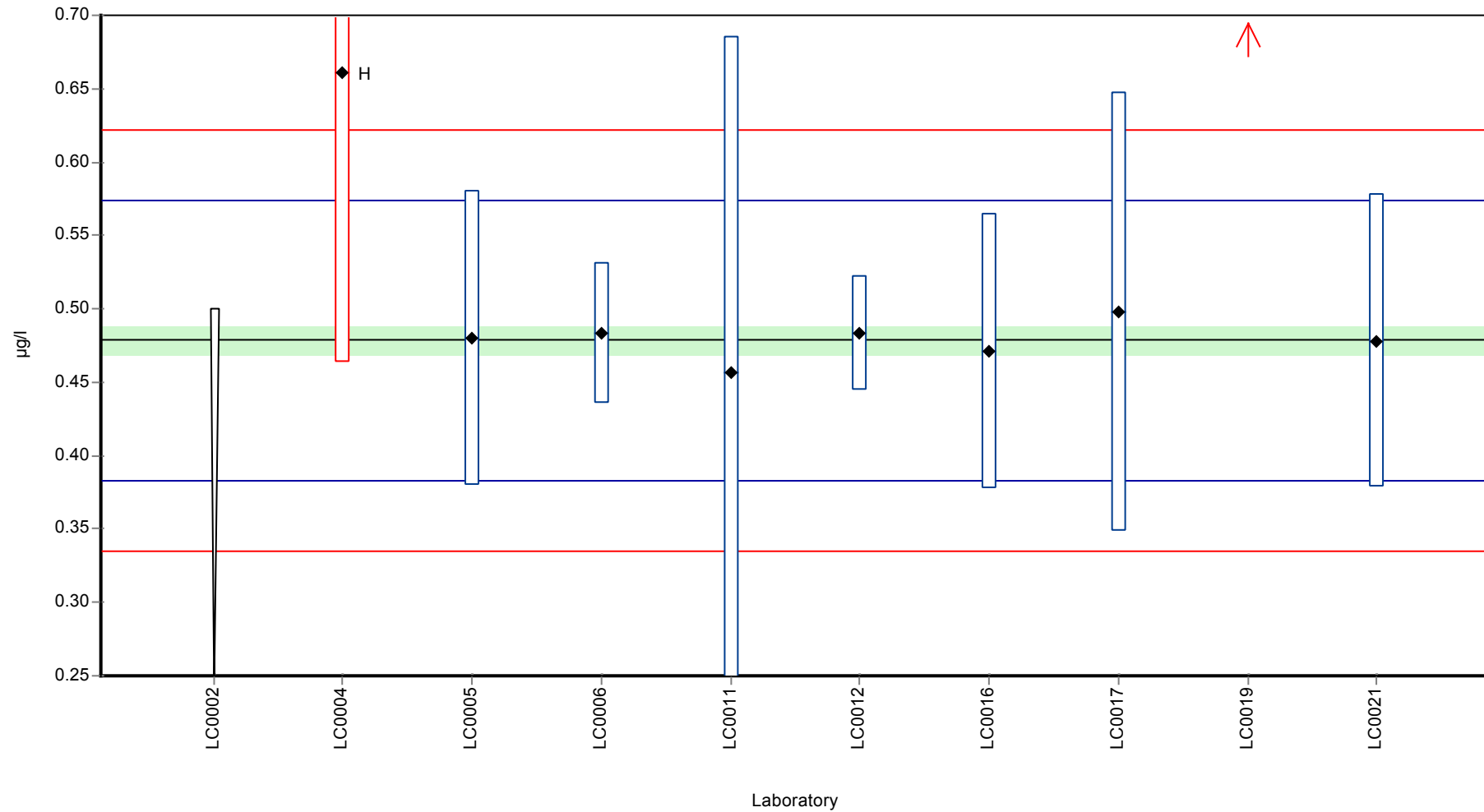
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	< 0.5 (LOQ)	-	-	-	
LC0003	-	-	-	-	
LC0004	0.661	0.198	138	3.81	H
LC0005	0.48	0.1	100	0.03	
LC0006	0.483	0.048	101	0.09	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	-	-	-	-	
LC0010	-	-	-	-	
LC0011	0.457	0.229	95.5	-0.45	
LC0012	0.483	0.039	101	0.09	
LC0013	-	-	-	-	
LC0014	-	-	-	-	
LC0015	-	-	-	-	
LC0016	0.471	0.094	98.4	-0.16	
LC0017	0.498	0.1494	104	0.41	
LC0018	-	-	-	-	
LC0019	0.7983	0.792	167	6.68	H
LC0020	-	-	-	-	
LC0021	0.478	0.1	99.9	-0.01	

Characteristics of parameter

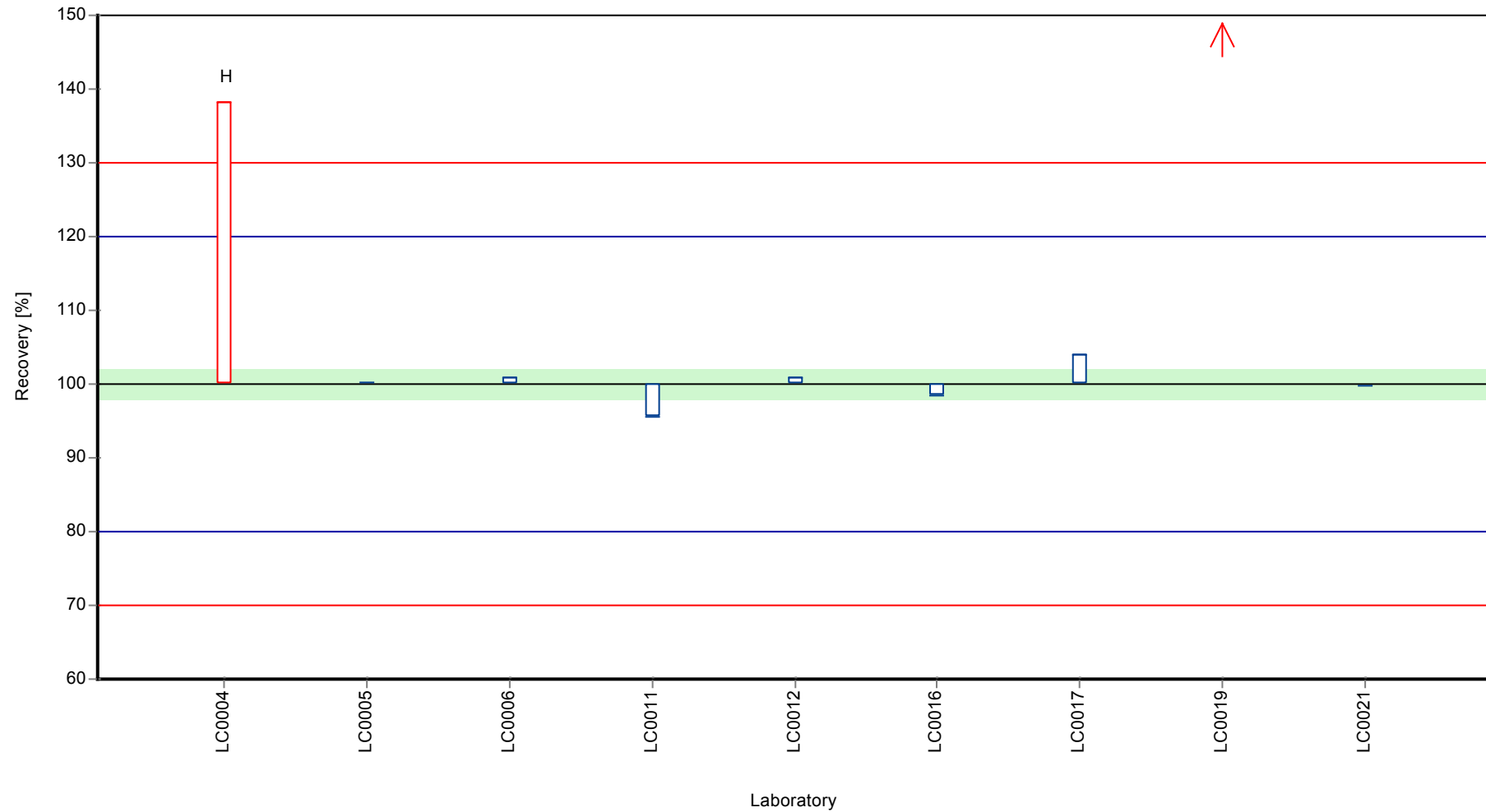
	all results	without outliers	Unit
Mean ± CI (99%)	0.534 ± 0.116	0.479 ± 0.0142	µg/l
Minimum	0.457	0.457	µg/l
Maximum	0.798	0.498	µg/l
Standard deviation	0.116	0.0125	µg/l
rel. standard deviation	21.8	2.62 %	
n	9	7	-

Graphical presentation of results

Results



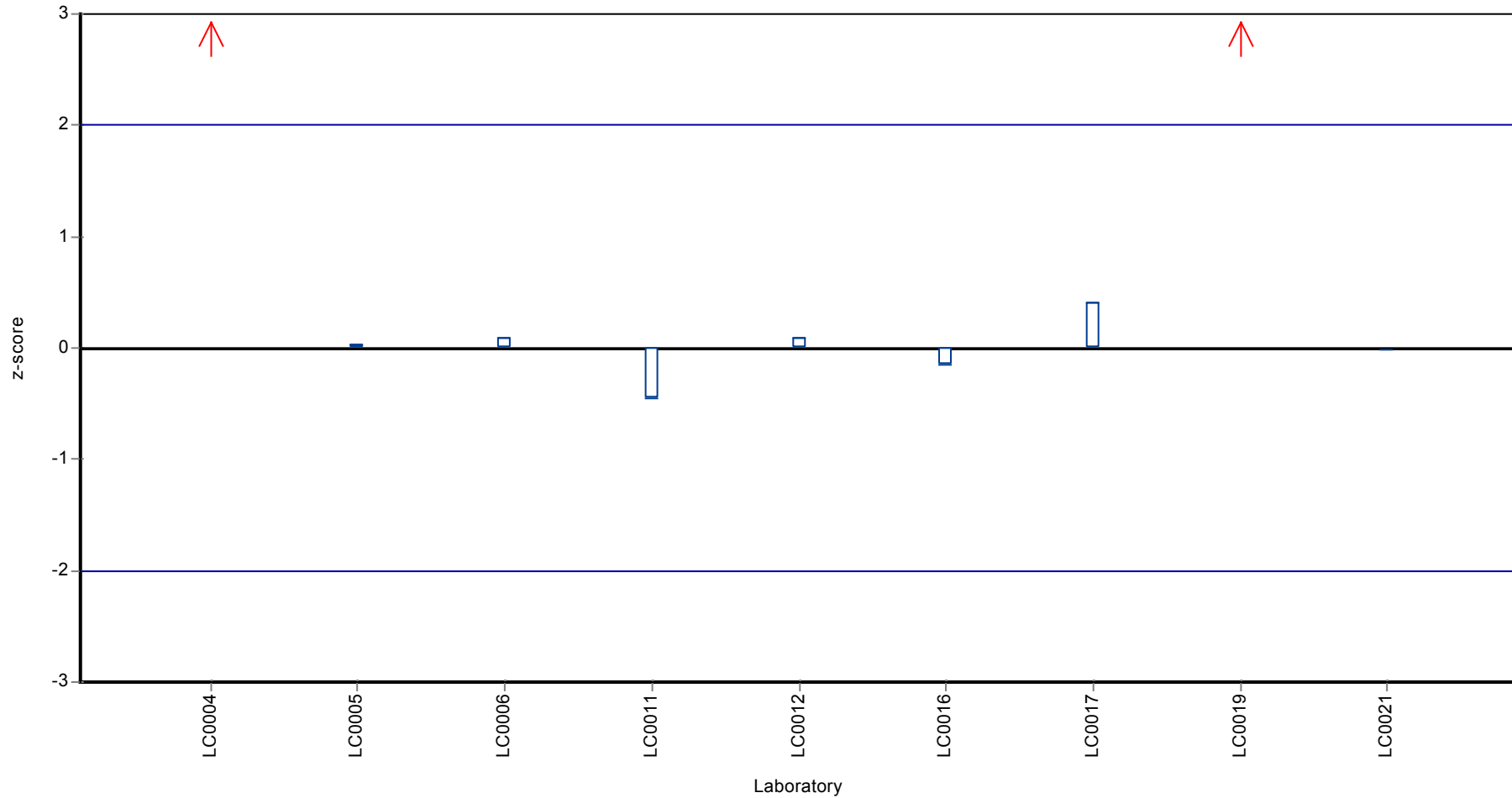
Recovery rate



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ6

Sample: AZ6A, Parameter: Ibuprofen

Z-score



Parameter oriented report

AZ6 B

Ibuprofen

Unit	µg/l
Assigned value ± U (k=2)	-
Criterion	-
Minimum - Maximum	0.064 - 0.082
Control test value ± U (k=2)	0.0731 ± 0.011

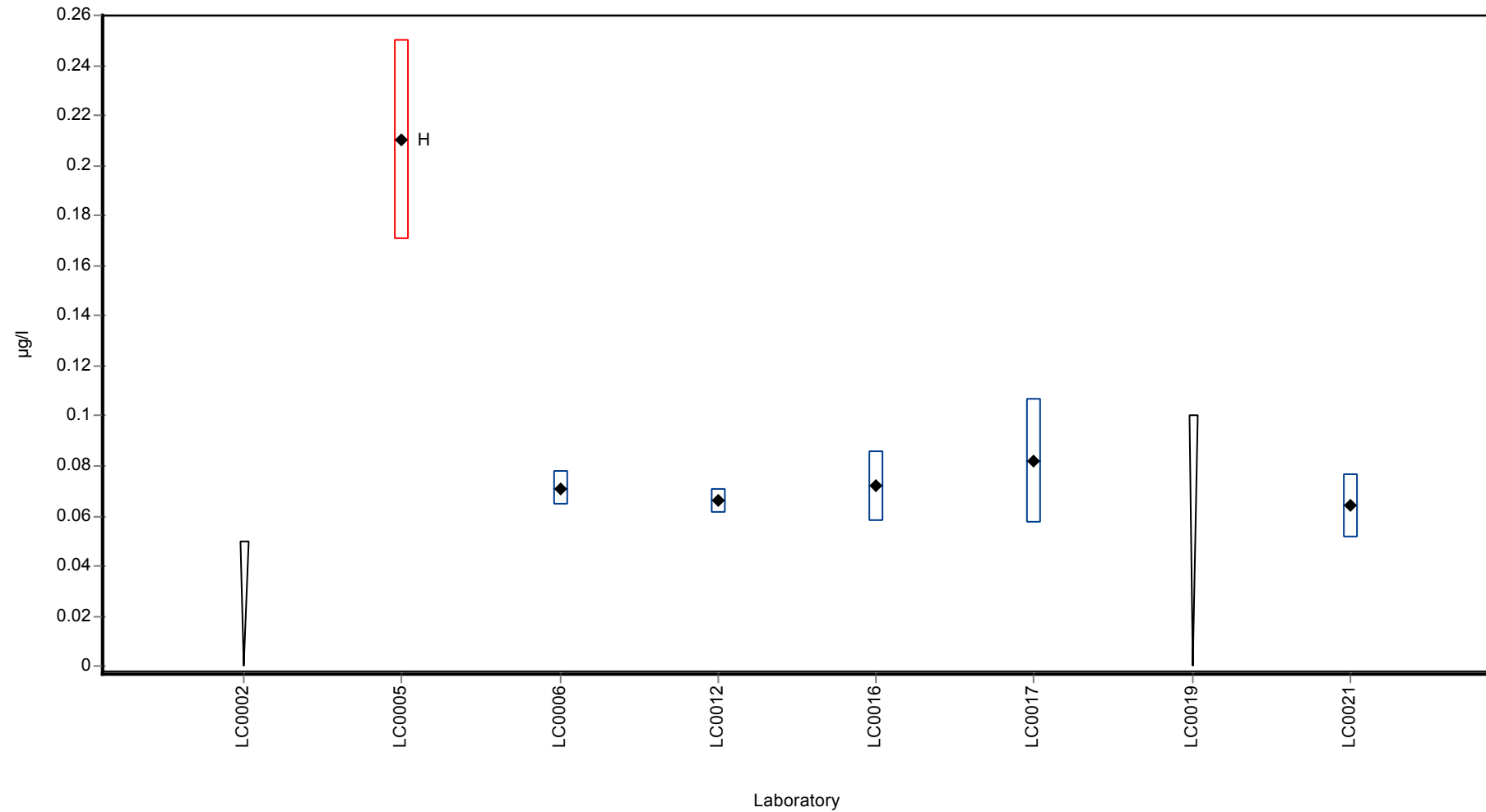
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	< 0.05 (LOQ)	-	-	-	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	0.21	0.04	-	-	H
LC0006	0.071	0.007	-	-	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	-	-	-	-	
LC0010	-	-	-	-	
LC0011	-	-	-	-	
LC0012	0.066	0.005	-	-	
LC0013	-	-	-	-	
LC0014	-	-	-	-	
LC0015	-	-	-	-	
LC0016	0.072	0.014	-	-	
LC0017	0.082	0.025	-	-	
LC0018	-	-	-	-	
LC0019	< 0.1 (LOQ)	-	-	-	
LC0020	-	-	-	-	
LC0021	0.064	0.013	-	-	

Characteristics of parameter

	all results	without outliers	Unit
Mean ± CI (99%)	0.0942 ± 0.0699	-	µg/l
Minimum	0.064	0.064	µg/l
Maximum	0.21	0.082	µg/l
Standard deviation	0.0571	-	µg/l
rel. standard deviation	60.6	-	%
n	6	5	-

Graphical presentation of results

Results



Parameter oriented report

AZ6 A

Iopamidol

Unit	µg/l
Assigned value ± U (k=2)	0.229 ± 0.0332
Criterion	0.0599 (26 %)
Minimum - Maximum	0.149 - 0.34
Control test value ± U (k=2)	0.244 ± 0.0488

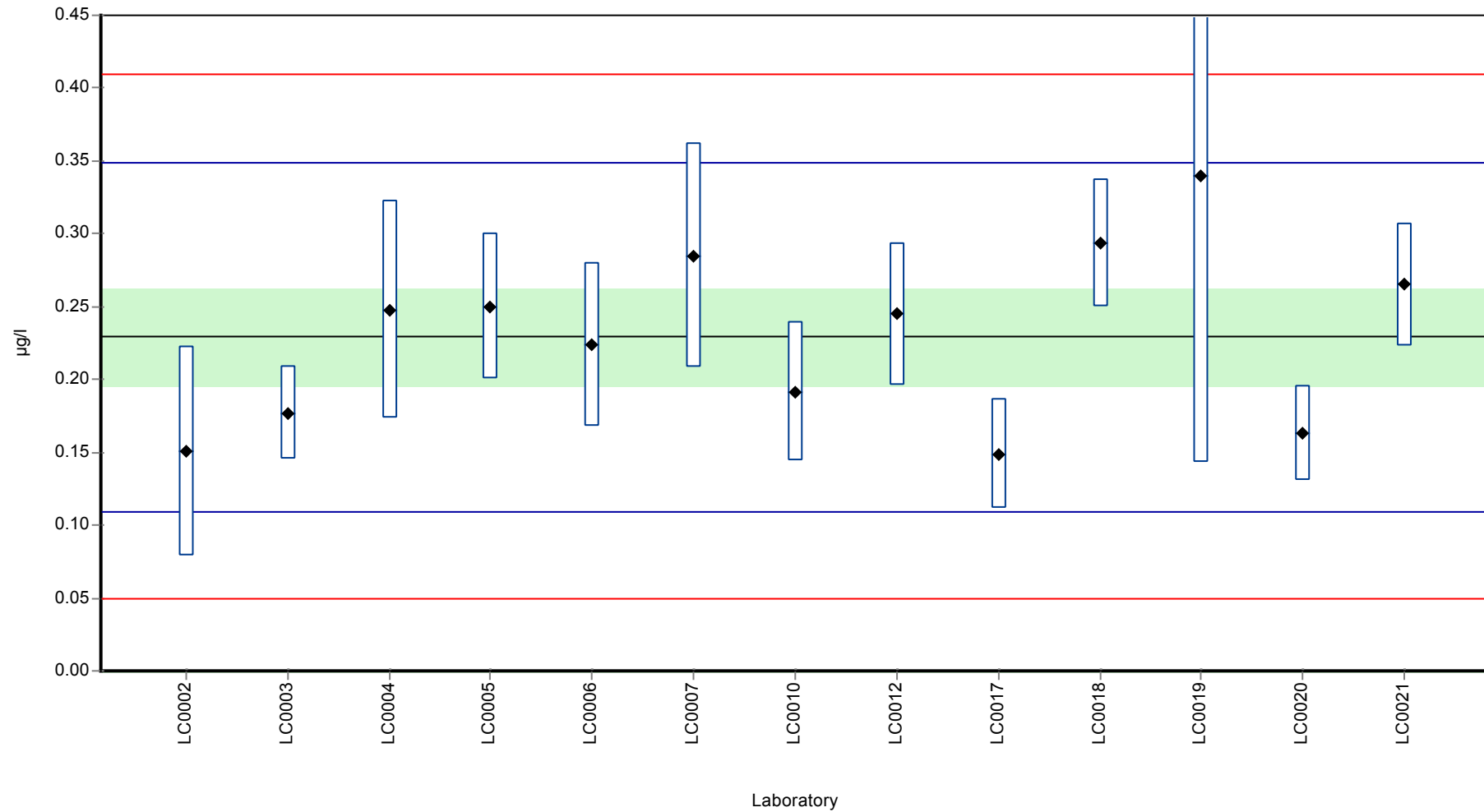
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	0.151	0.072	65.8	-1.31	
LC0003	0.177	0.03229	77.2	-0.88	
LC0004	0.248	0.075	108	0.31	
LC0005	0.25	0.05	109	0.34	
LC0006	0.224	0.056	97.6	-0.09	
LC0007	0.285	0.077	124	0.93	
LC0008	-	-	-	-	
LC0009	-	-	-	-	
LC0010	0.1915	0.0479	83.5	-0.63	
LC0011	-	-	-	-	
LC0012	0.245	0.049	107	0.26	
LC0013	-	-	-	-	
LC0014	-	-	-	-	
LC0015	-	-	-	-	
LC0016	-	-	-	-	
LC0017	0.149	0.0373	64.9	-1.34	
LC0018	0.294	0.044	128	1.08	
LC0019	0.34	0.197	148	1.85	
LC0020	0.163	0.033	71	-1.11	
LC0021	0.265	0.042	116	0.59	

Characteristics of parameter

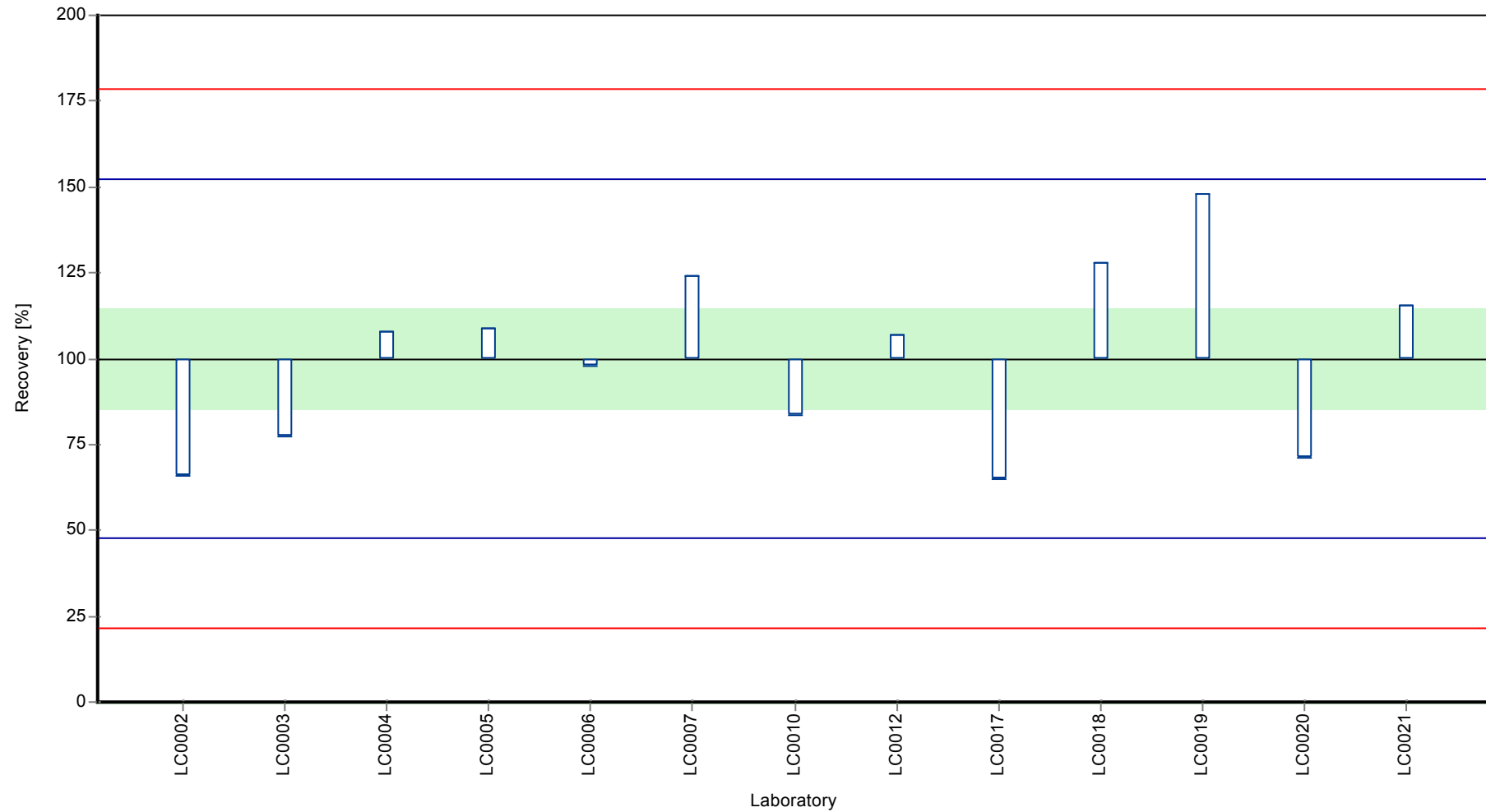
	all results	without outliers	Unit
Mean ± CI (99%)	0.229 ± 0.0498	0.229 ± 0.0498	µg/l
Minimum	0.149	0.149	µg/l
Maximum	0.34	0.34	µg/l
Standard deviation	0.0599	0.0599	µg/l
rel. standard deviation	26.1	26.1	%
n	13	13	-

Graphical presentation of results

Results



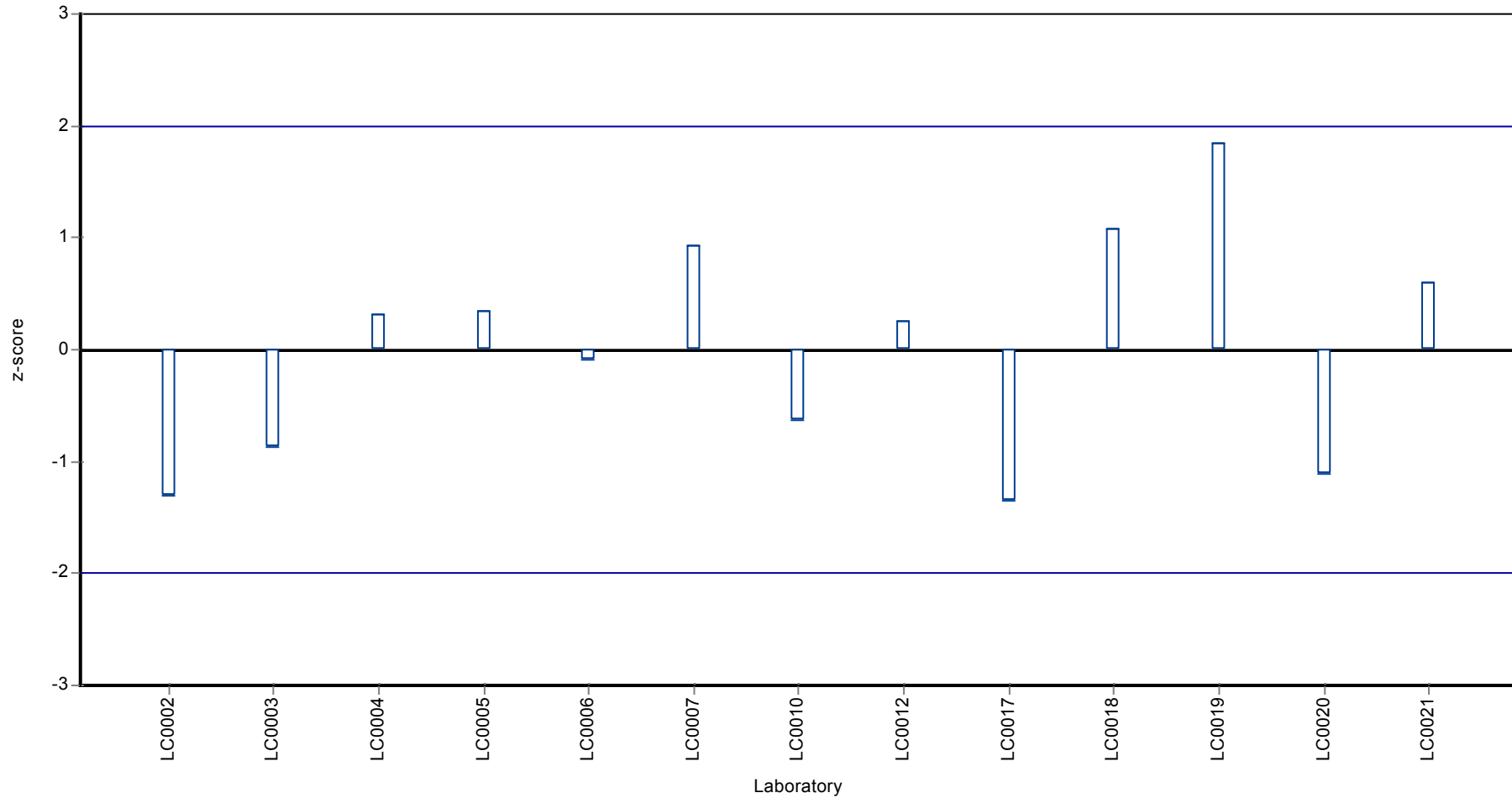
Recovery rate



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ6

Sample: AZ6A, Parameter: Iopamidol

Z-score



Parameter oriented report

AZ6 B

Iopamidol

Unit	µg/l
Assigned value ± U (k=2)	8.33 ± 1
Criterion	1.67 (20 %)
Minimum - Maximum	5.75 - 11.5
Control test value ± U (k=2)	10.4 ± 2.08

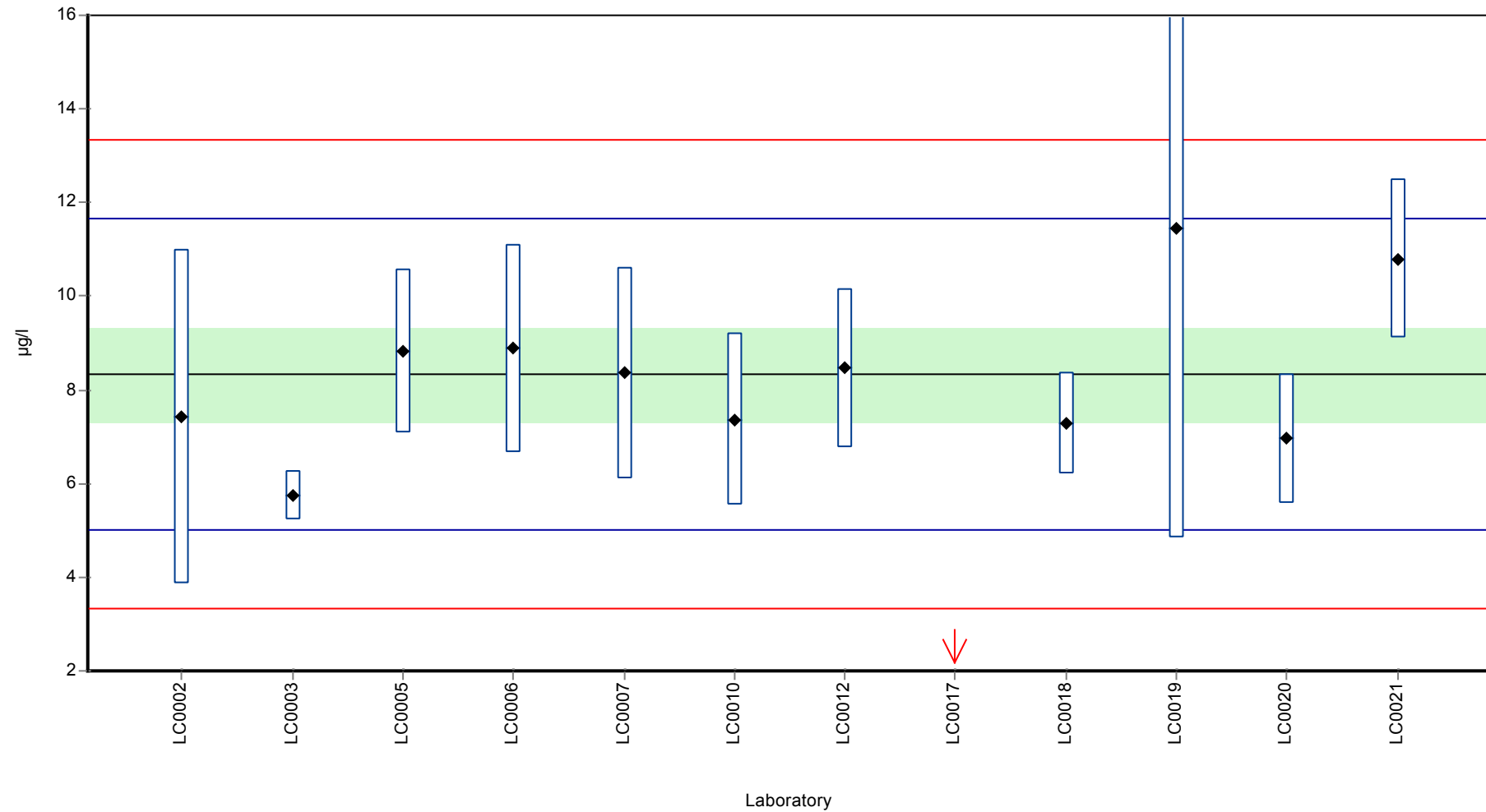
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	7.43	3.57	89.2	-0.54	
LC0003	5.753	0.51777	69.1	-1.54	
LC0004	-	-	-	-	
LC0005	8.82	1.76	106	0.3	
LC0006	8.89	2.22	107	0.34	
LC0007	8.36	2.257	100	0.02	
LC0008	-	-	-	-	
LC0009	-	-	-	-	
LC0010	7.362	1.84	88.4	-0.58	
LC0011	-	-	-	-	
LC0012	8.47	1.693	102	0.09	
LC0013	-	-	-	-	
LC0014	-	-	-	-	
LC0015	-	-	-	-	
LC0016	-	-	-	-	
LC0017	0.536	0.134	6.4	-4.68	H
LC0018	7.292	1.094	87.6	-0.62	
LC0019	11.45	6.63	138	1.88	
LC0020	6.96	1.39	83.6	-0.82	
LC0021	10.8	1.7	130	1.49	

Characteristics of parameter

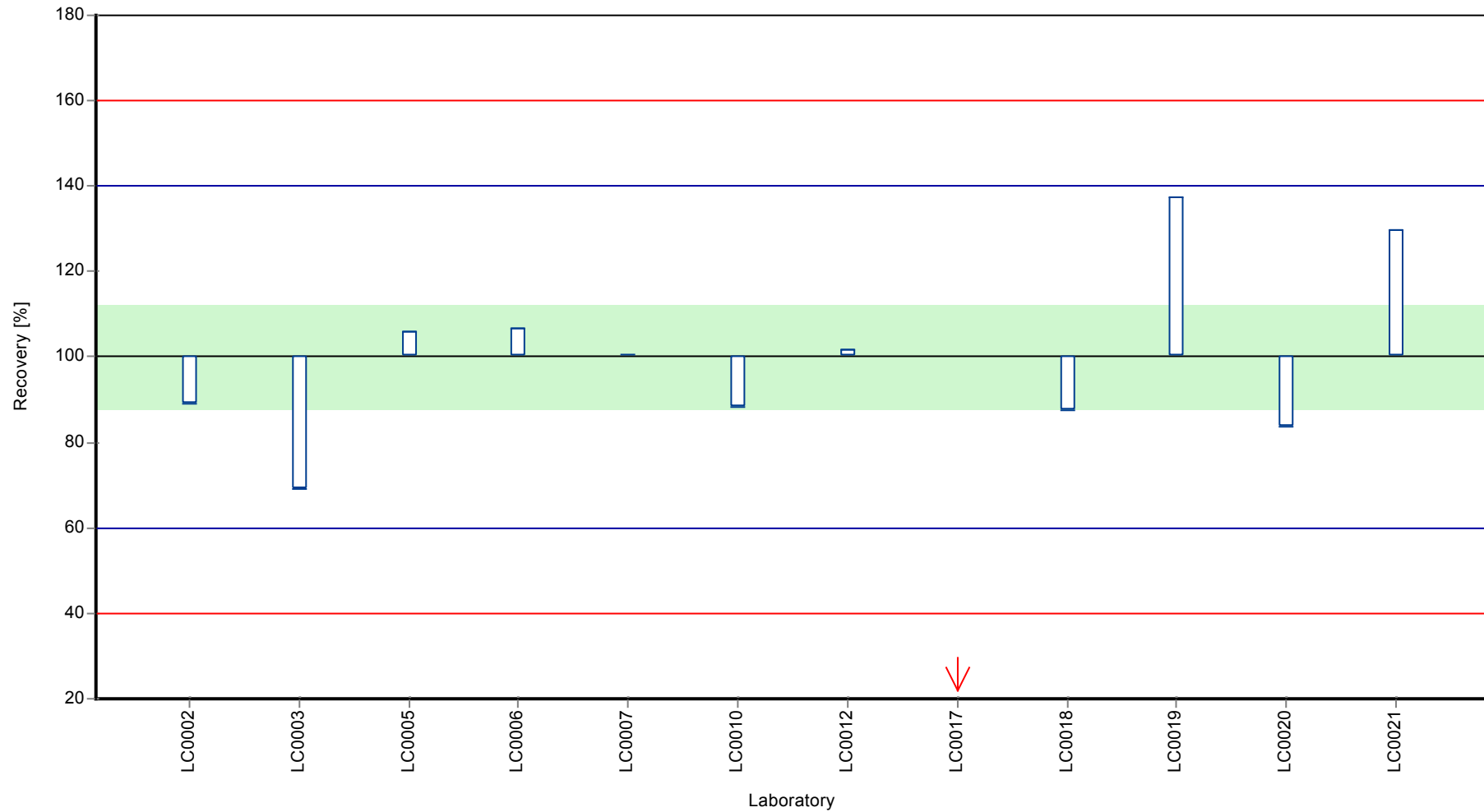
	all results	without outliers	Unit
Mean ± CI (99%)	7.68 ± 2.38	8.33 ± 1.51	µg/l
Minimum	0.536	5.75	µg/l
Maximum	11.4	11.4	µg/l
Standard deviation	2.75	1.67	µg/l
rel. standard deviation	35.9	20	%
n	12	11	-

Graphical presentation of results

Results



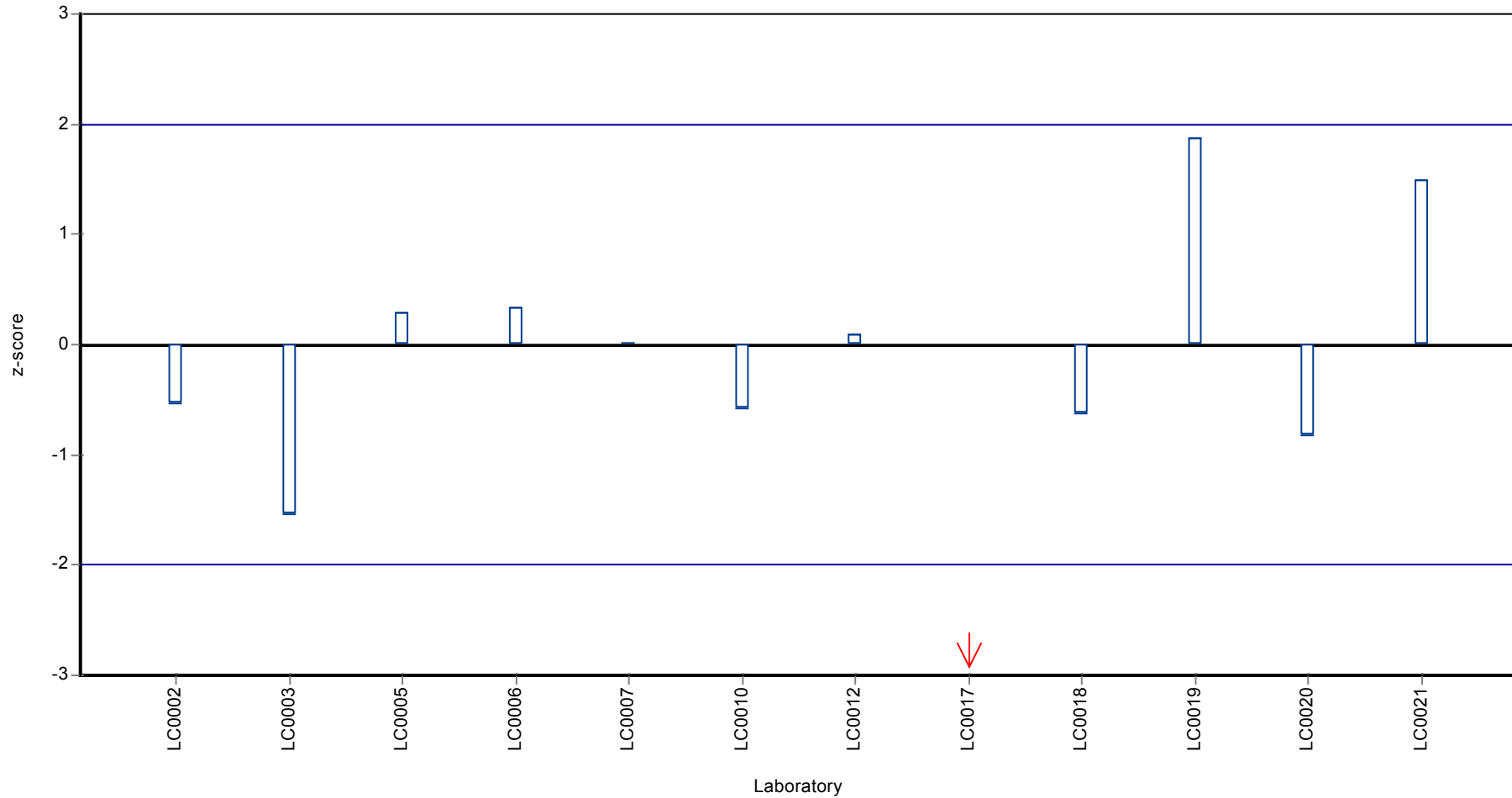
Recovery rate



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ6

Sample: AZ6B, Parameter: Iopamidol

Z-score



Parameter oriented report

AZ6 A

Metoprolol

Unit	µg/l
Assigned value ± U (k=2)	0.0984 ± 0.0113
Criterion	0.0256 (26 %)
Minimum - Maximum	0.059 - 0.13
Control test value ± U (k=2)	0.0893 ± 0.0152

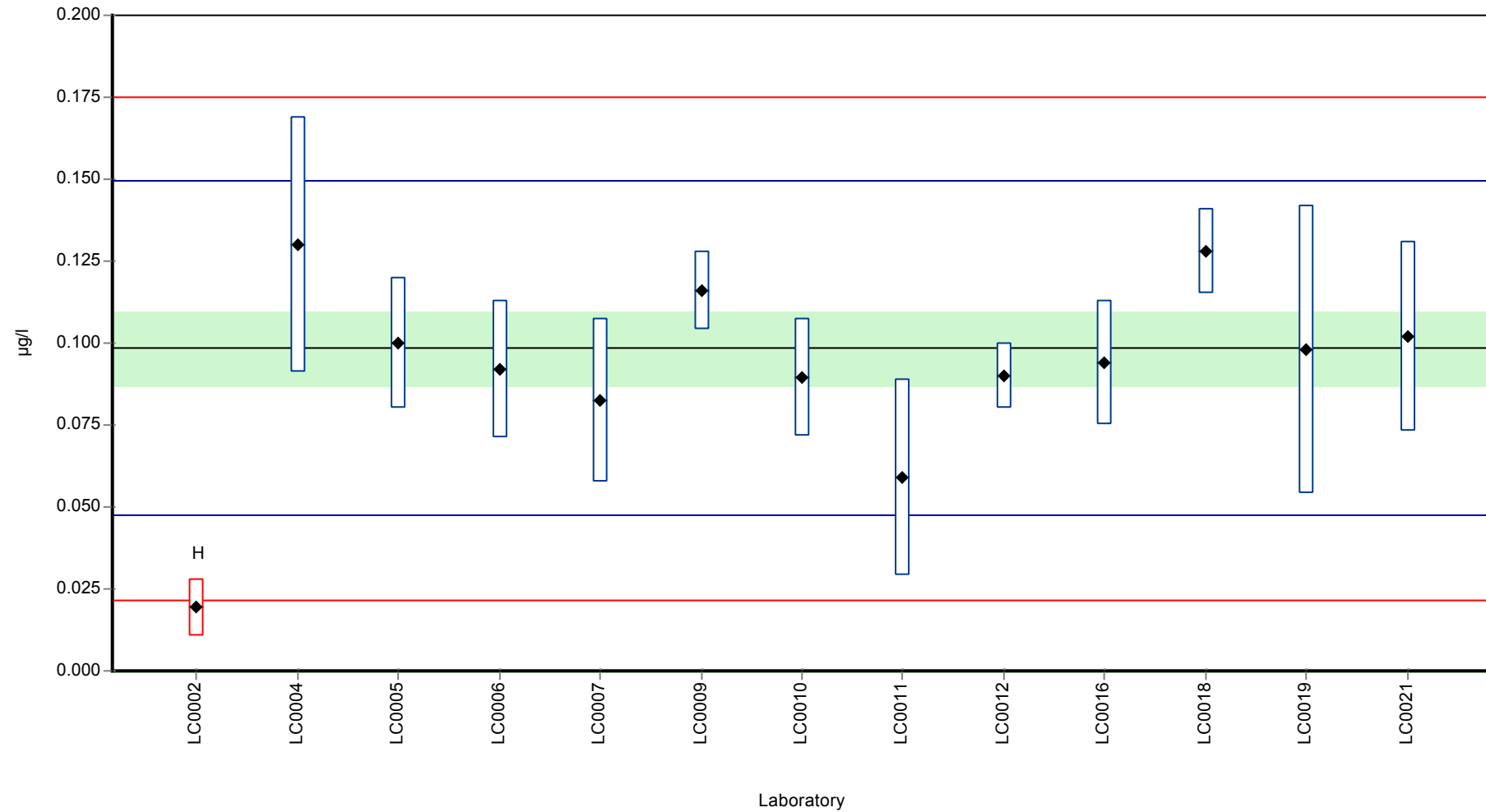
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	0.0193	0.0089	19.6	-3.09	H
LC0003	-	-	-	-	
LC0004	0.13	0.039	132	1.23	
LC0005	0.1	0.02	102	0.06	
LC0006	0.092	0.021	93.5	-0.25	
LC0007	0.0825	0.025	83.8	-0.62	
LC0008	-	-	-	-	
LC0009	0.116	0.012	118	0.69	
LC0010	0.0896	0.0179	91	-0.35	
LC0011	0.059	0.03	59.9	-1.54	
LC0012	0.09	0.01	91.4	-0.33	
LC0013	-	-	-	-	
LC0014	-	-	-	-	
LC0015	-	-	-	-	
LC0016	0.094	0.019	95.5	-0.17	
LC0017	-	-	-	-	
LC0018	0.128	0.013	130	1.16	
LC0019	0.0982	0.044	99.8	-0.01	
LC0020	-	-	-	-	
LC0021	0.102	0.029	104	0.14	

Characteristics of parameter

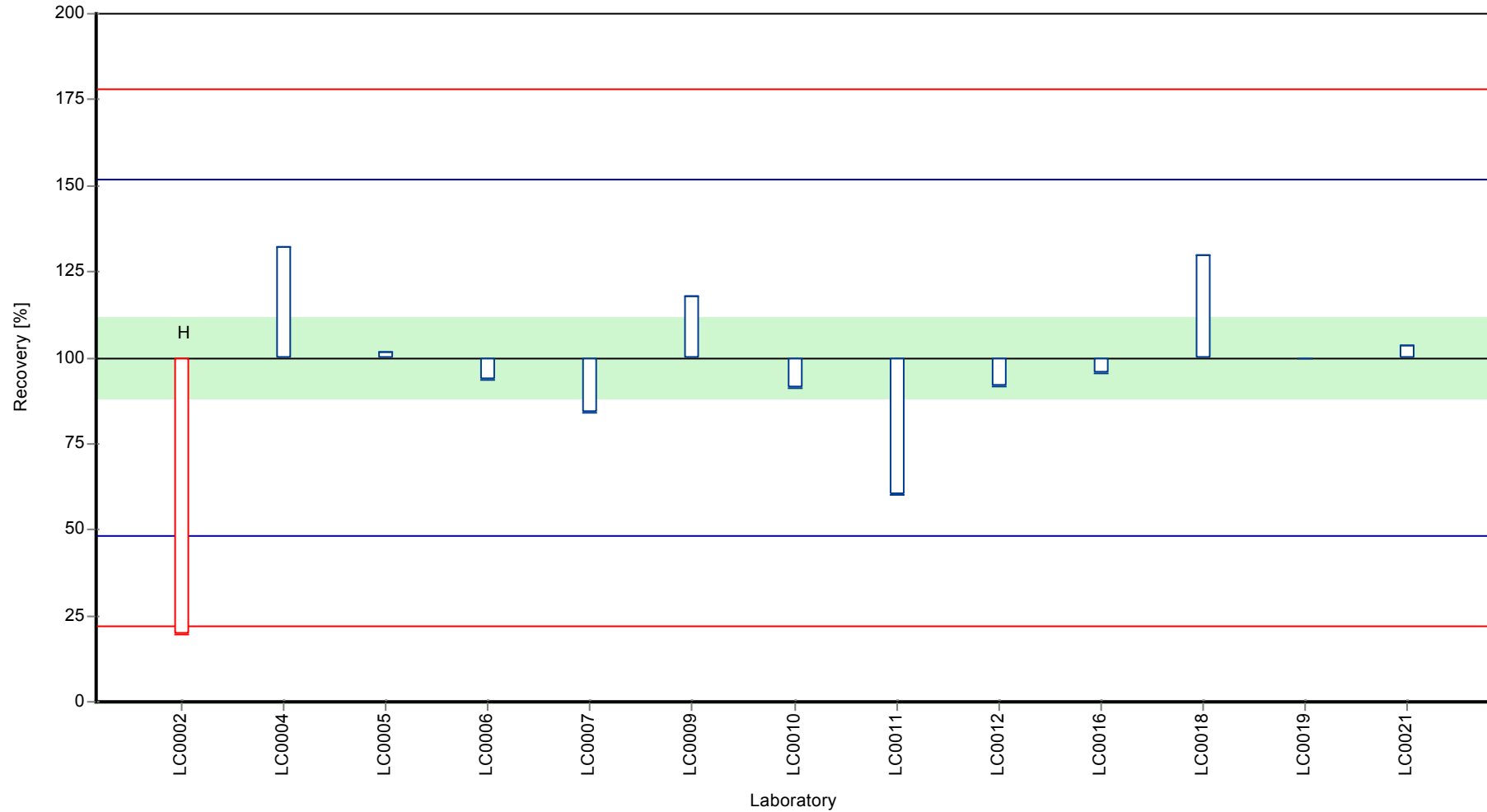
	all results	without outliers	Unit
Mean ± CI (99%)	0.0924 ± 0.024	0.0984 ± 0.0169	µg/l
Minimum	0.0193	0.059	µg/l
Maximum	0.13	0.13	µg/l
Standard deviation	0.0289	0.0196	µg/l
rel. standard deviation	31.2	19.9 %	
n	13	12	-

Graphical presentation of results

Results



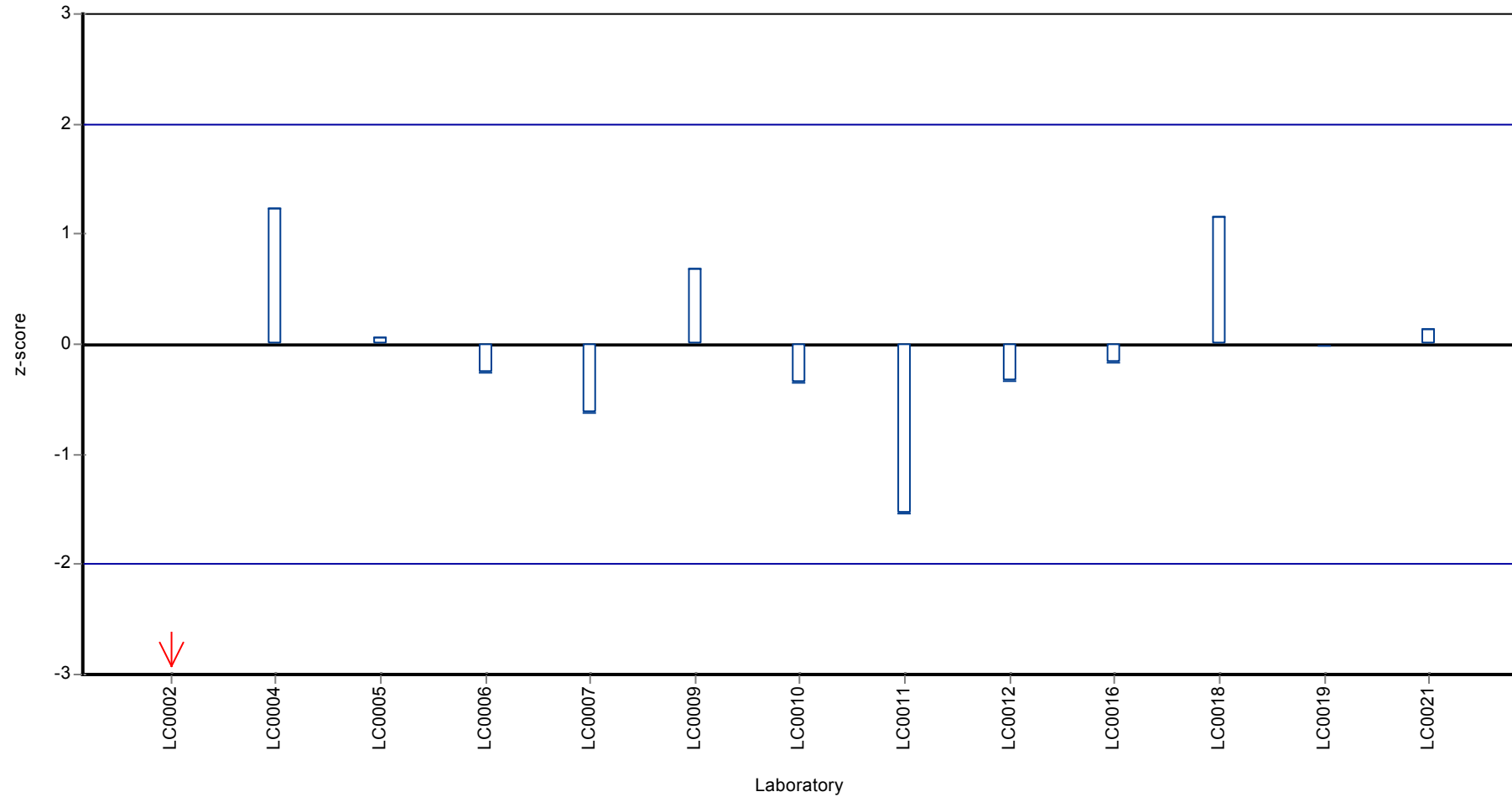
Recovery rate



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ6

Sample: AZ6A, Parameter: Metoprolol

Z-score



Parameter oriented report

AZ6 B

Metoprolol

Unit	µg/l
Assigned value ± U (k=2)	0.251 ± 0.0352
Criterion	0.0654 (26 %)
Minimum - Maximum	0.127 - 0.345
Control test value ± U (k=2)	0.224 ± 0.038

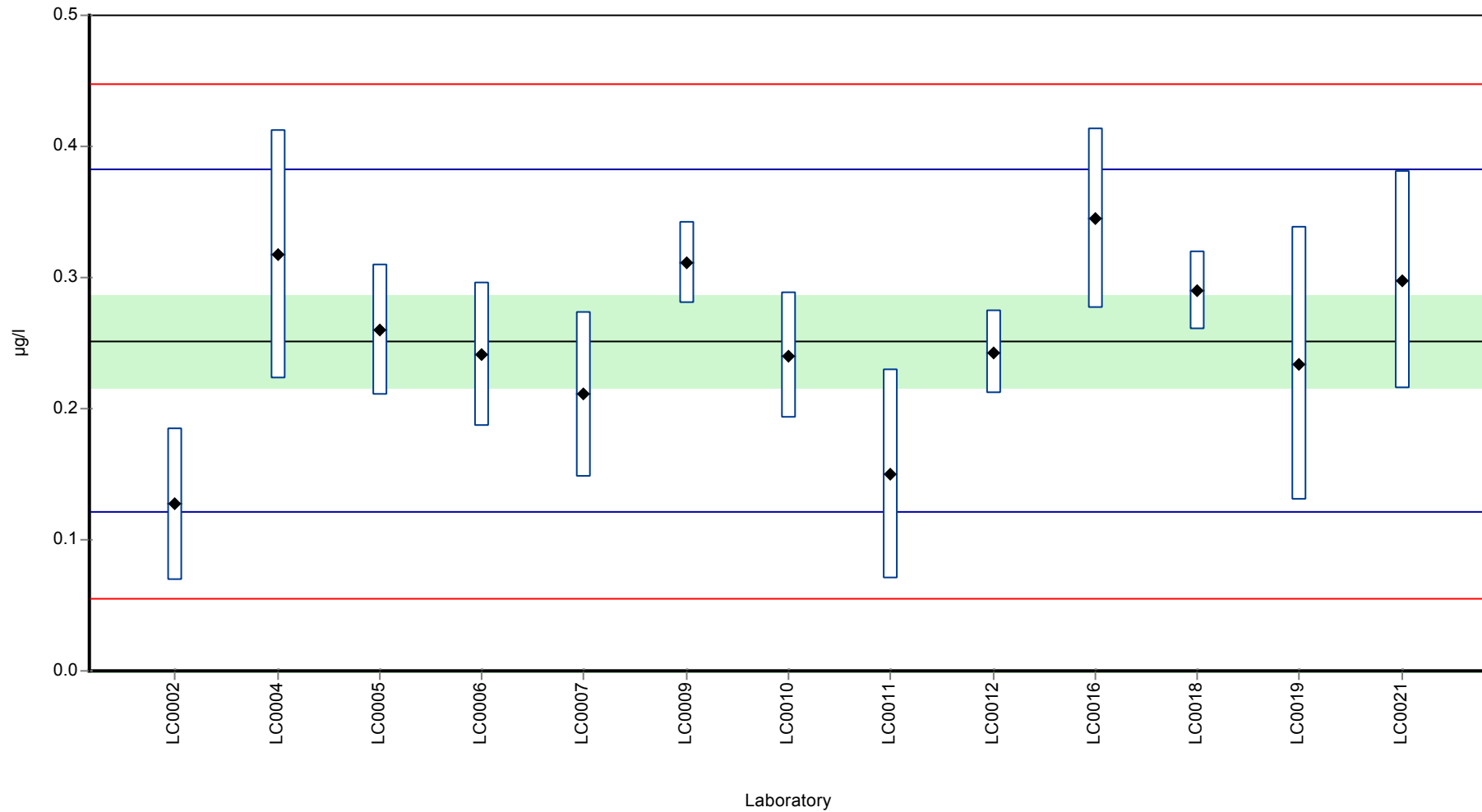
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	0.127	0.058	50.5	-1.9	
LC0003	-	-	-	-	
LC0004	0.317	0.095	126	1	
LC0005	0.26	0.05	103	0.13	
LC0006	0.241	0.055	95.9	-0.16	
LC0007	0.211	0.063	83.9	-0.62	
LC0008	-	-	-	-	
LC0009	0.311	0.031	124	0.91	
LC0010	0.2406	0.048	95.7	-0.17	
LC0011	0.15	0.08	59.7	-1.55	
LC0012	0.243	0.032	96.7	-0.13	
LC0013	-	-	-	-	
LC0014	-	-	-	-	
LC0015	-	-	-	-	
LC0016	0.345	0.069	137	1.43	
LC0017	-	-	-	-	
LC0018	0.29	0.03	115	0.59	
LC0019	0.2343	0.104	93.2	-0.26	
LC0020	-	-	-	-	
LC0021	0.298	0.083	119	0.71	

Characteristics of parameter

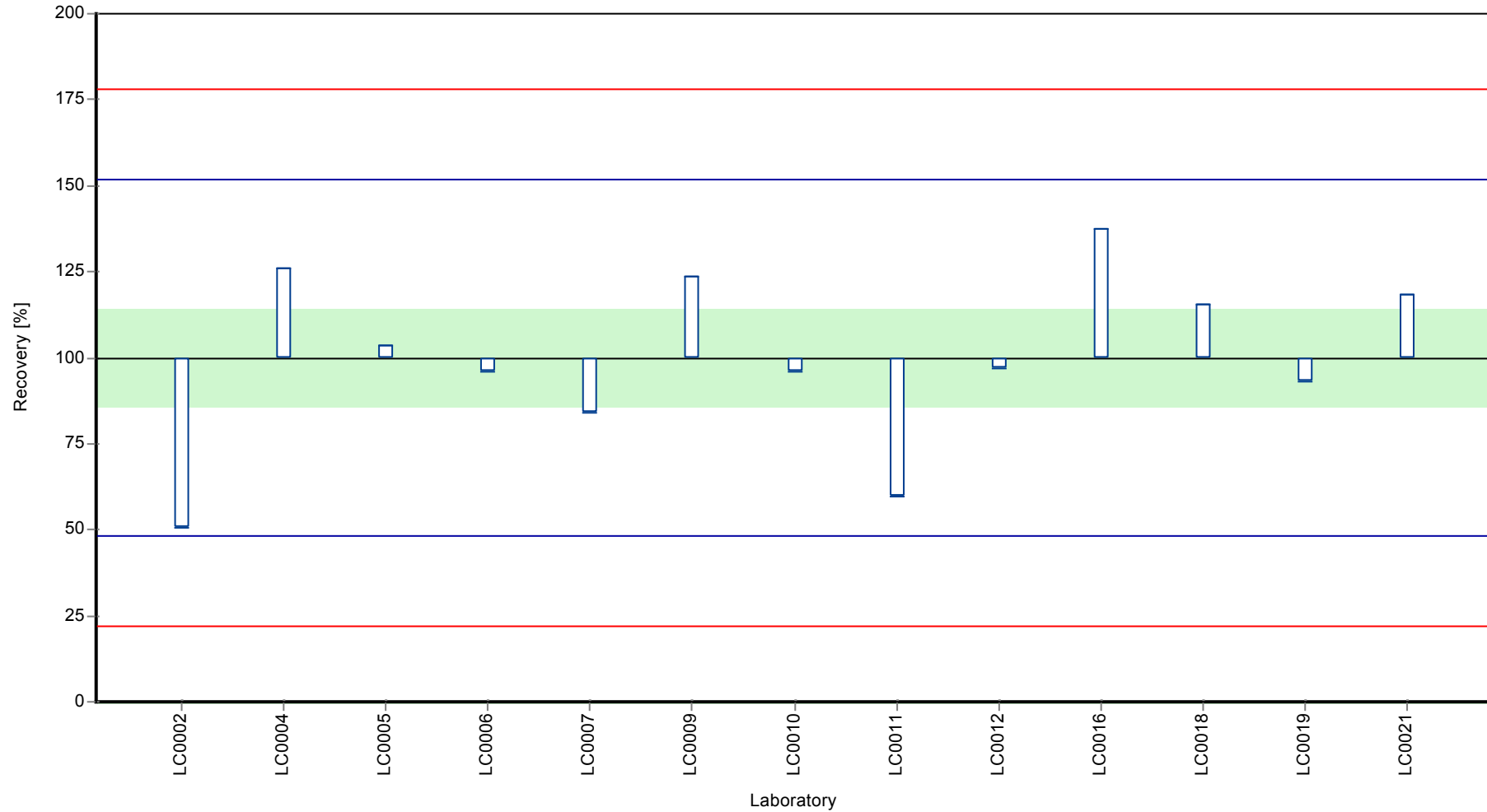
	all results	without outliers	Unit
Mean ± CI (99%)	0.251 ± 0.0528	0.251 ± 0.0528	µg/l
Minimum	0.127	0.127	µg/l
Maximum	0.345	0.345	µg/l
Standard deviation	0.0635	0.0635	µg/l
rel. standard deviation	25.2	25.2	%
n	13	13	-

Graphical presentation of results

Results



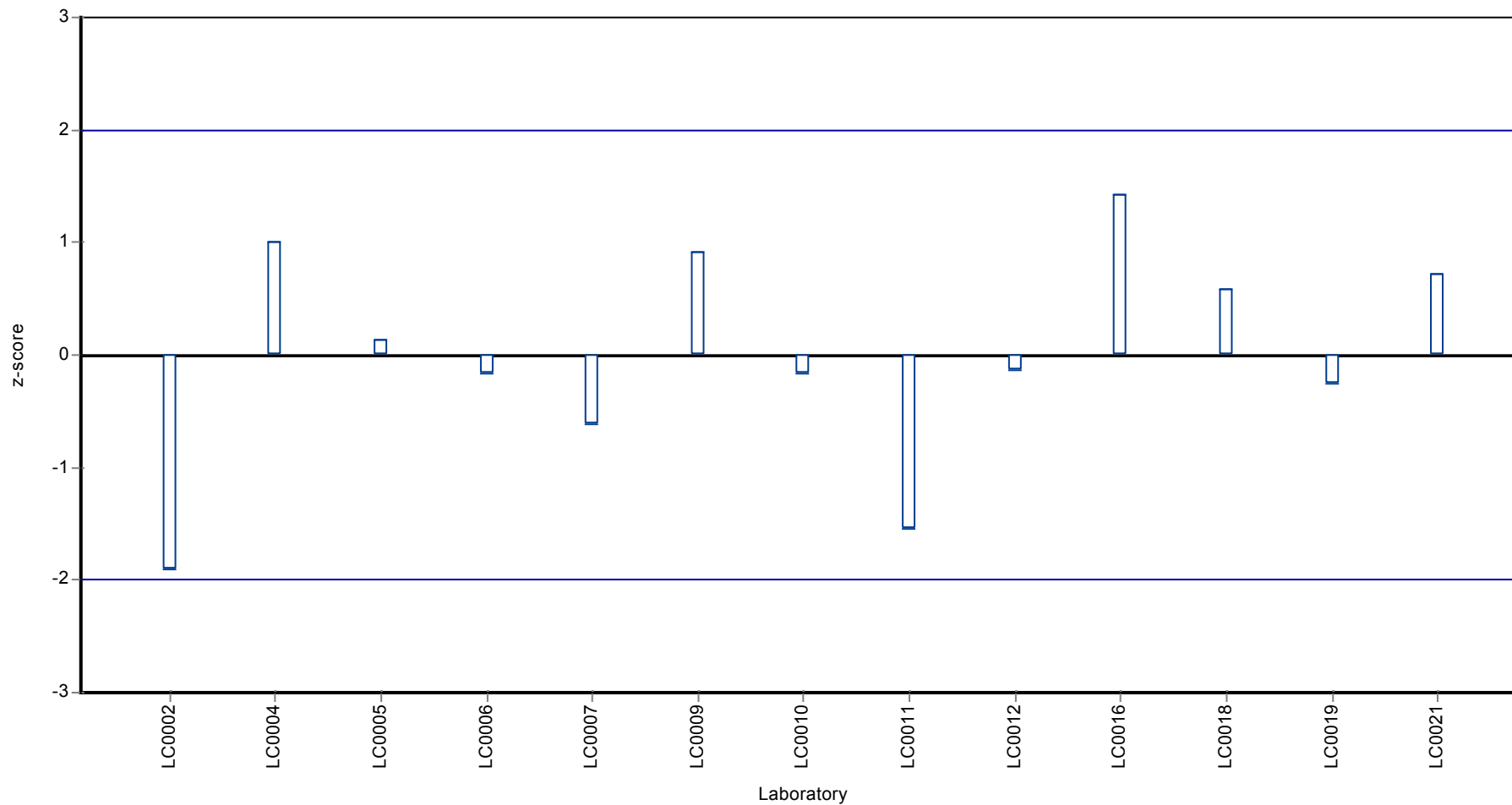
Recovery rate



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ6

Sample: AZ6B, Parameter: Metoprolol

Z-score



Parameter oriented report

AZ6 A

Saccharin

Unit	µg/l
Assigned value ± U (k=2)	0.0501 ± 0.00946
Criterion	0.0134 (27 %)
Minimum - Maximum	0.027 - 0.068
Control test value ± U (k=2)	0.0466 ± 0.0117

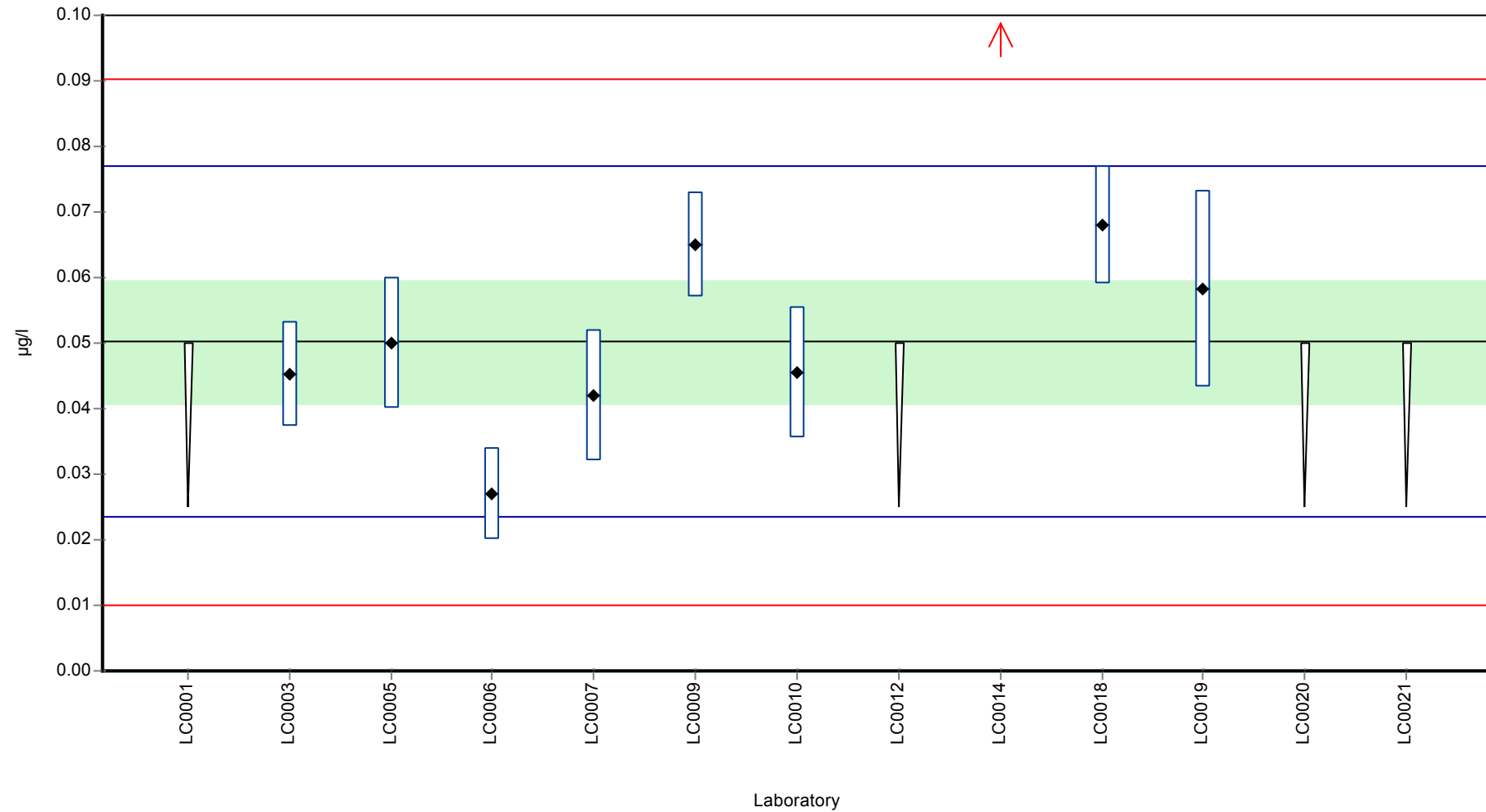
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	< 0.05 (LOQ)	-	-	-	
LC0002	-	-	-	-	
LC0003	0.0452	0.00802	90.2	-0.37	
LC0004	-	-	-	-	
LC0005	0.05	0.01	99.7	-0.01	
LC0006	0.027	0.007	53.9	-1.73	
LC0007	0.042	0.01	83.8	-0.61	
LC0008	-	-	-	-	
LC0009	0.065	0.008	130	1.11	
LC0010	0.0456	0.01	90.9	-0.34	
LC0011	-	-	-	-	
LC0012	< 0.05 (LOQ)	-	-	-	
LC0013	-	-	-	-	
LC0014	0.16	0.032	319	8.21	H
LC0015	-	-	-	-	
LC0016	-	-	-	-	
LC0017	-	-	-	-	
LC0018	0.068	0.009	136	1.34	
LC0019	0.0583	0.015	116	0.61	
LC0020	< 0.05 (LOQ)	-	-	-	
LC0021	< 0.05 (LOQ)	-	-	-	

Characteristics of parameter

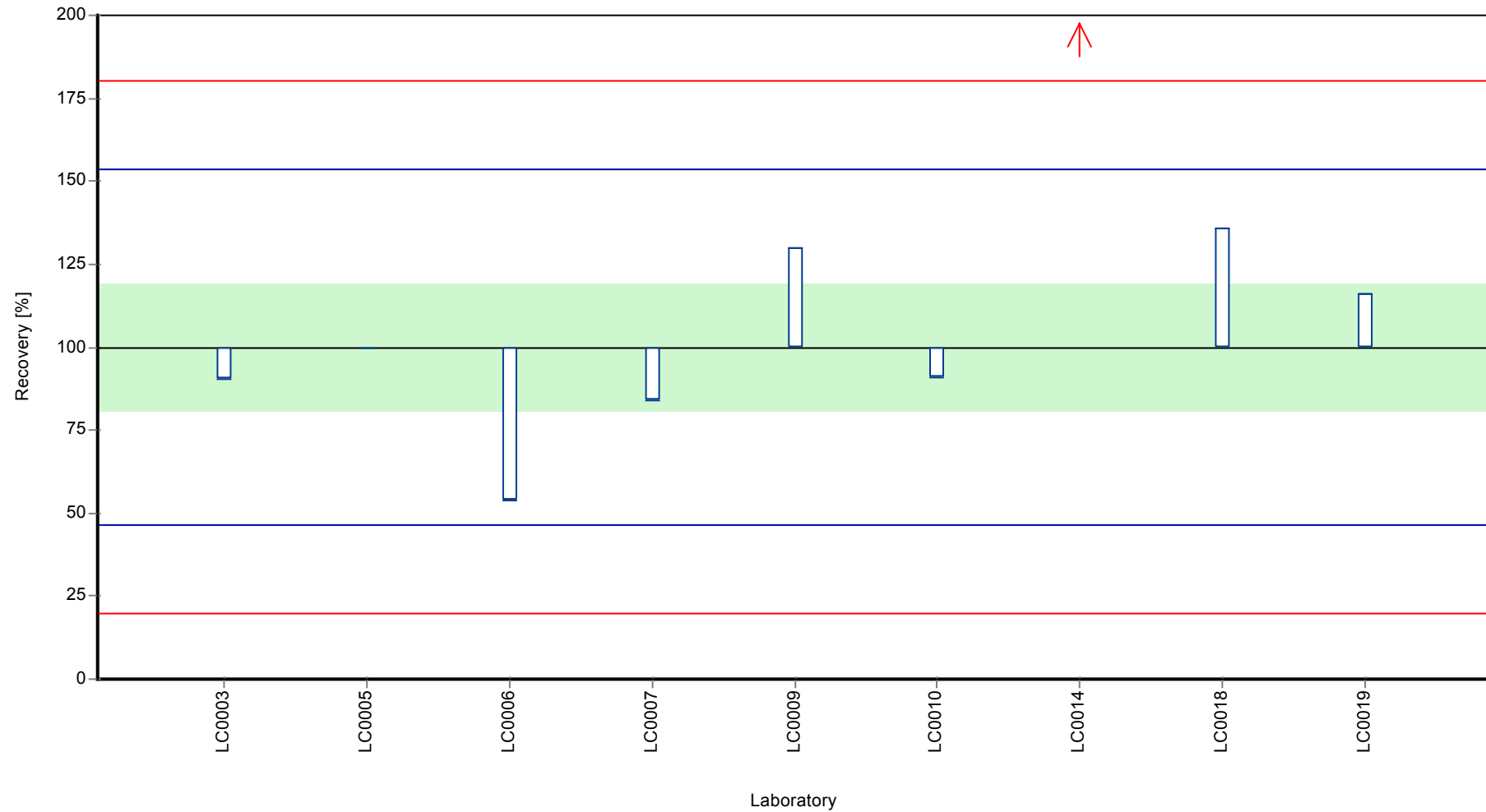
	all results	without outliers	Unit
Mean ± CI (99%)	0.0623 ± 0.0387	0.0501 ± 0.0142	µg/l
Minimum	0.027	0.027	µg/l
Maximum	0.16	0.068	µg/l
Standard deviation	0.0387	0.0134	µg/l
rel. standard deviation	62.1	26.7	%
n	9	8	-

Graphical presentation of results

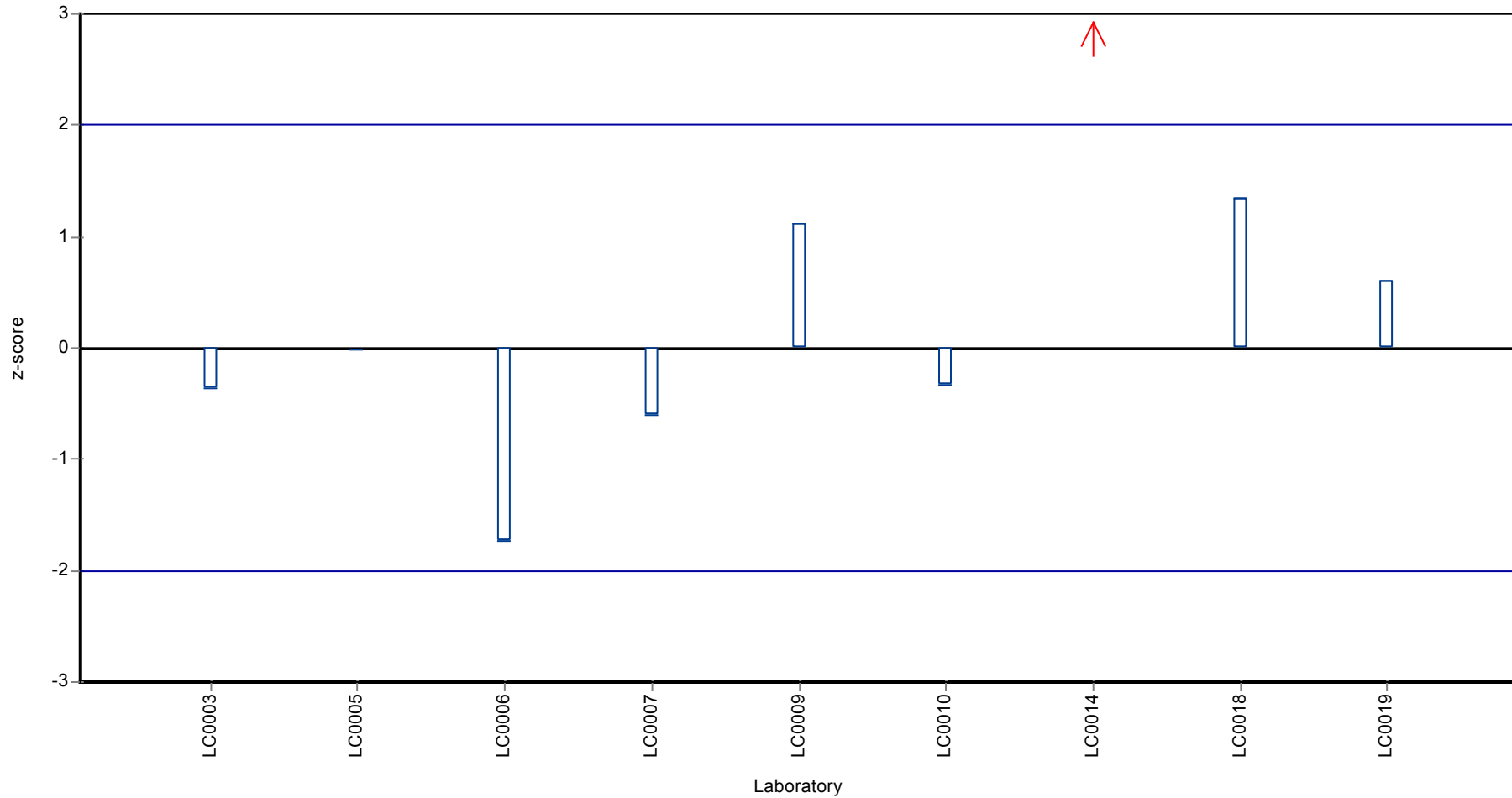
Results



Recovery rate



Z-score



Parameter oriented report

AZ6 B

Saccharin

Unit	µg/l
Assigned value ± U (k=2)	0.697 ± 0.0403
Criterion	0.167 (24 %)
Minimum - Maximum	0.533 - 0.79
Control test value ± U (k=2)	0.66 ± 0.165

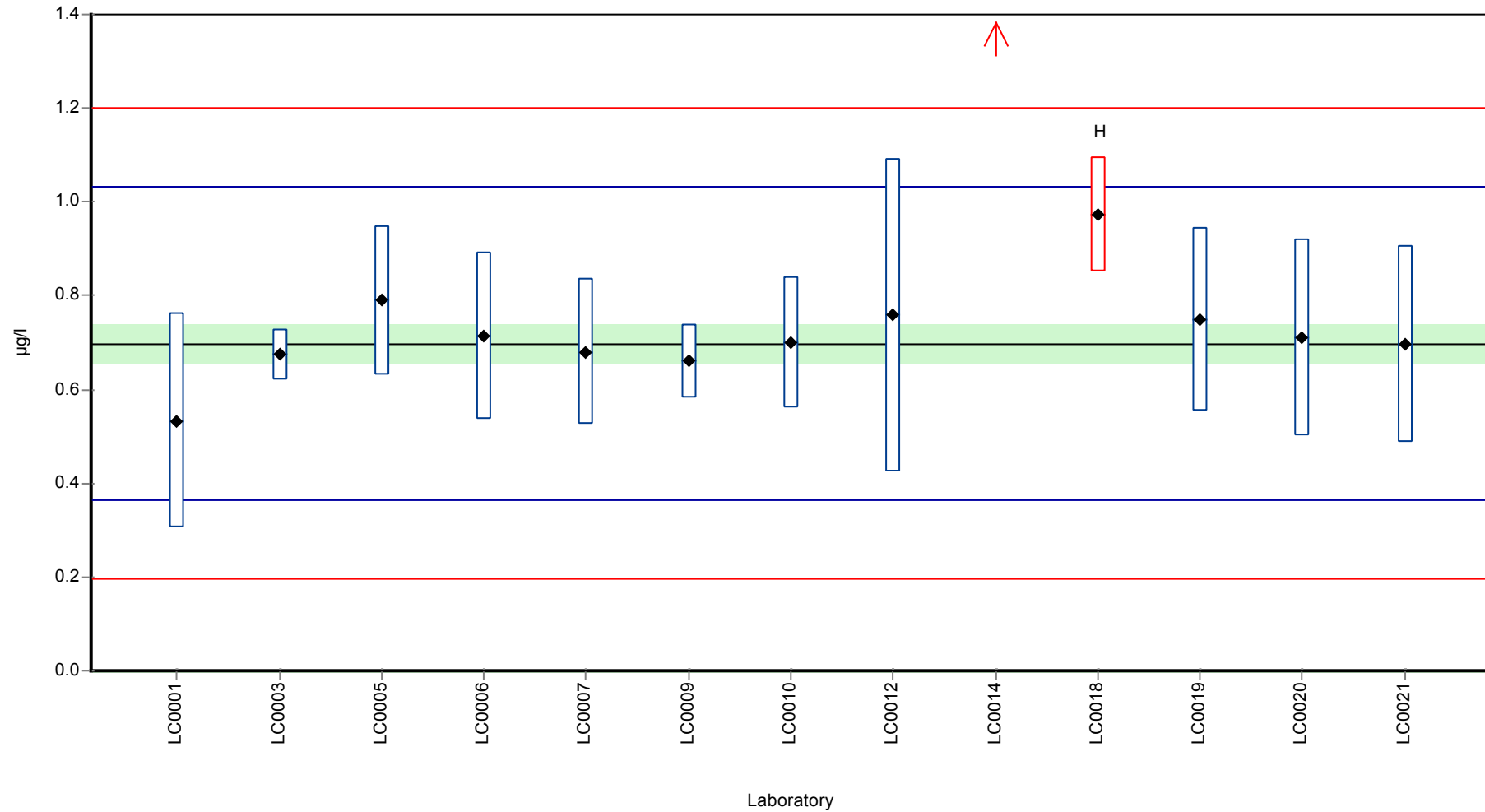
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.533	0.229	76.5	-0.98	
LC0002	-	-	-	-	
LC0003	0.6739	0.05566	96.7	-0.14	
LC0004	-	-	-	-	
LC0005	0.79	0.16	113	0.56	
LC0006	0.715	0.179	103	0.11	
LC0007	0.68	0.156	97.5	-0.1	
LC0008	-	-	-	-	
LC0009	0.66	0.079	94.7	-0.22	
LC0010	0.7016	0.14	101	0.03	
LC0011	-	-	-	-	
LC0012	0.758	0.334	109	0.36	
LC0013	-	-	-	-	
LC0014	1.45	0.29	208	4.5	H
LC0015	-	-	-	-	
LC0016	-	-	-	-	
LC0017	-	-	-	-	
LC0018	0.973	0.122	140	1.65	H
LC0019	0.7495	0.197	108	0.31	
LC0020	0.71	0.21	102	0.08	
LC0021	0.697	0.209	100	0	

Characteristics of parameter

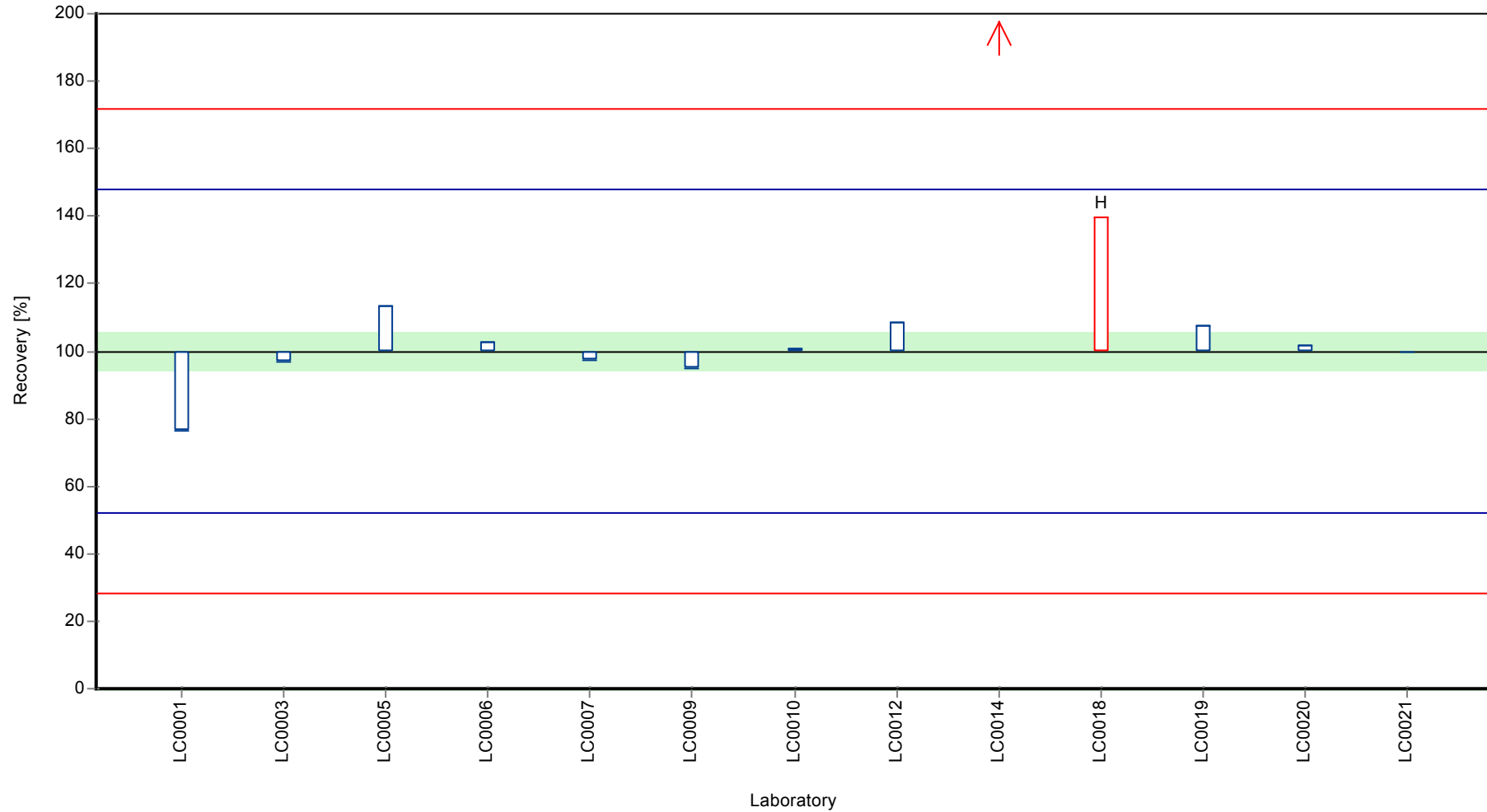
	all results	without outliers	Unit
Mean ± CI (99%)	0.776 ± 0.187	0.697 ± 0.0605	µg/l
Minimum	0.533	0.533	µg/l
Maximum	1.45	0.79	µg/l
Standard deviation	0.225	0.0669	µg/l
rel. standard deviation	29	9.59	%
n	13	11	-

Graphical presentation of results

Results



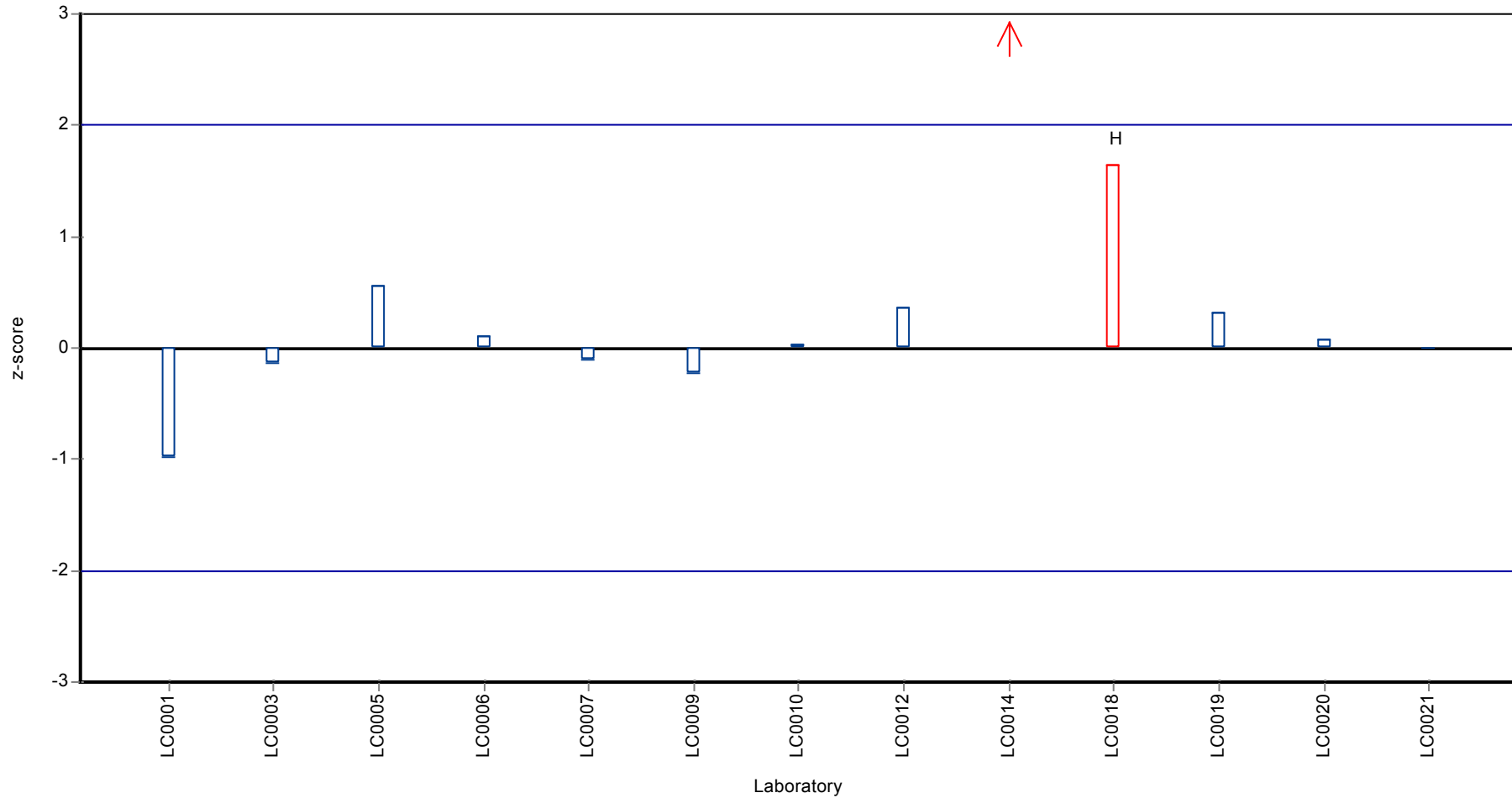
Recovery rate



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ6

Sample: AZ6B, Parameter: Saccharin

Z-score



Parameter oriented report

AZ6 A

Sotalol

Unit	µg/l
Assigned value ± U (k=2)	0.184 ± 0.0207
Criterion	0.0374 (20 %)
Minimum - Maximum	0.1 - 0.237
Control test value ± U (k=2)	0.179 ± 0.0448

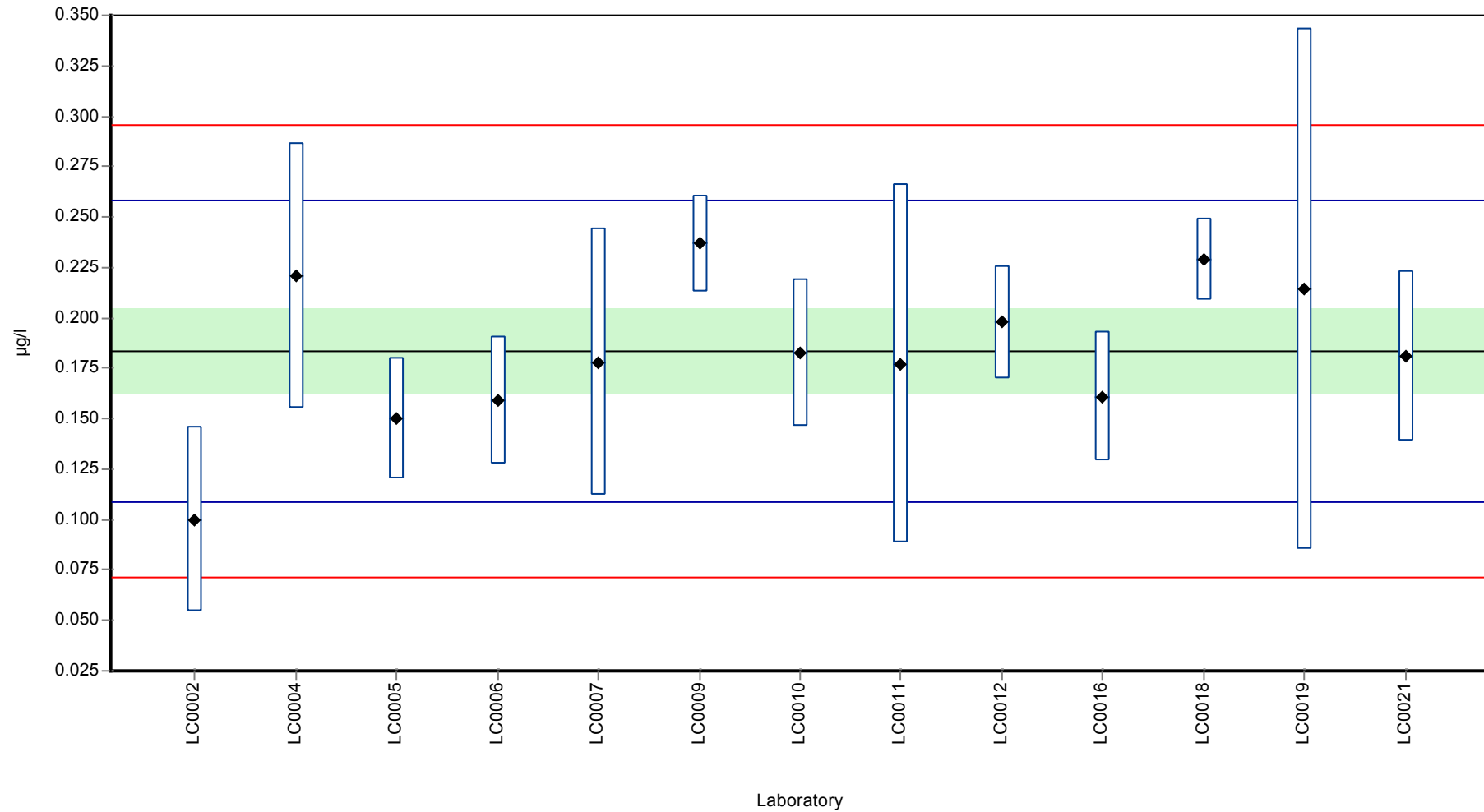
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	0.1	0.0458	54.4	-2.24	
LC0003	-	-	-	-	
LC0004	0.221	0.066	120	1	
LC0005	0.15	0.03	81.7	-0.9	
LC0006	0.159	0.032	86.6	-0.66	
LC0007	0.178	0.066	96.9	-0.15	
LC0008	-	-	-	-	
LC0009	0.237	0.024	129	1.43	
LC0010	0.1829	0.0366	99.6	-0.02	
LC0011	0.177	0.089	96.4	-0.18	
LC0012	0.198	0.028	108	0.38	
LC0013	-	-	-	-	
LC0014	-	-	-	-	
LC0015	-	-	-	-	
LC0016	0.161	0.032	87.6	-0.61	
LC0017	-	-	-	-	
LC0018	0.229	0.02	125	1.21	
LC0019	0.2142	0.129	117	0.82	
LC0020	-	-	-	-	
LC0021	0.181	0.042	98.5	-0.07	

Characteristics of parameter

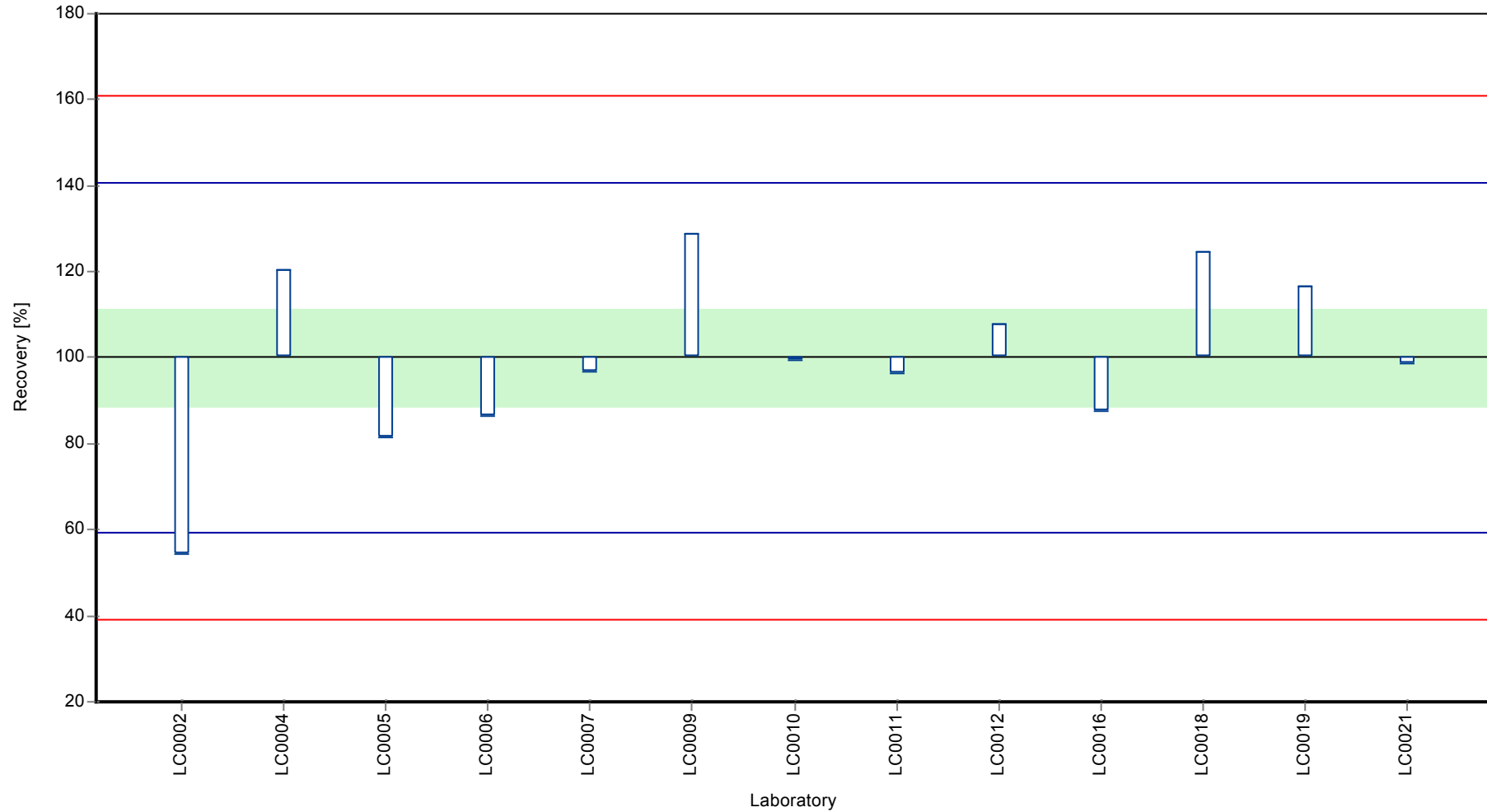
	all results	without outliers	Unit
Mean ± CI (99%)	0.184 ± 0.0311	0.184 ± 0.0311	µg/l
Minimum	0.1	0.1	µg/l
Maximum	0.237	0.237	µg/l
Standard deviation	0.0374	0.0374	µg/l
rel. standard deviation	20.4	20.4	%
n	13	13	-

Graphical presentation of results

Results



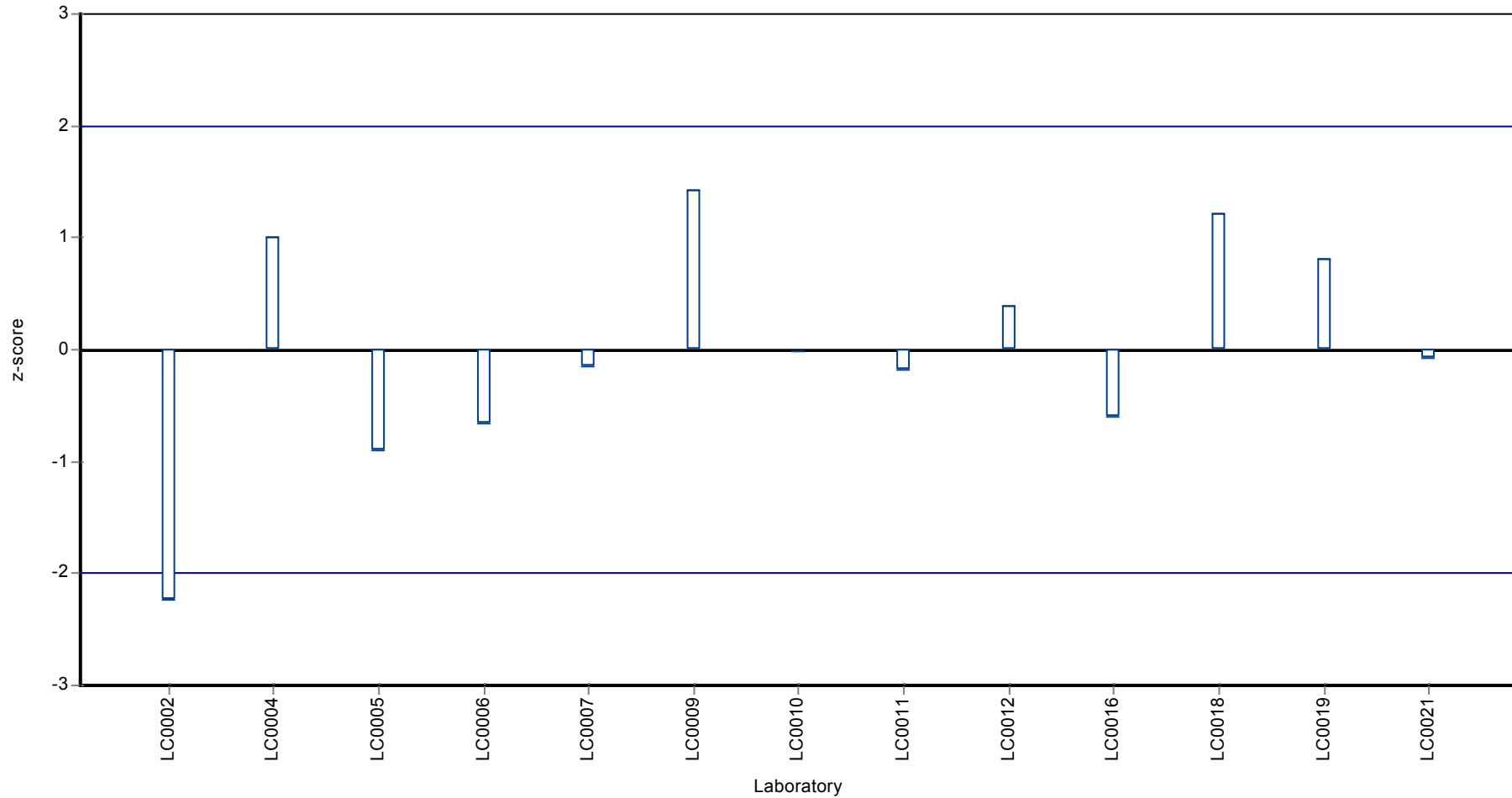
Recovery rate



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ6

Sample: AZ6A, Parameter: Sotalol

Z-score



Parameter oriented report

AZ6 B

Sotalol

Unit	µg/l
Assigned value ± U (k=2)	0.202 ± 0.0319
Criterion	0.0575 (28 %)
Minimum - Maximum	0.107 - 0.301
Control test value ± U (k=2)	0.18 ± 0.045

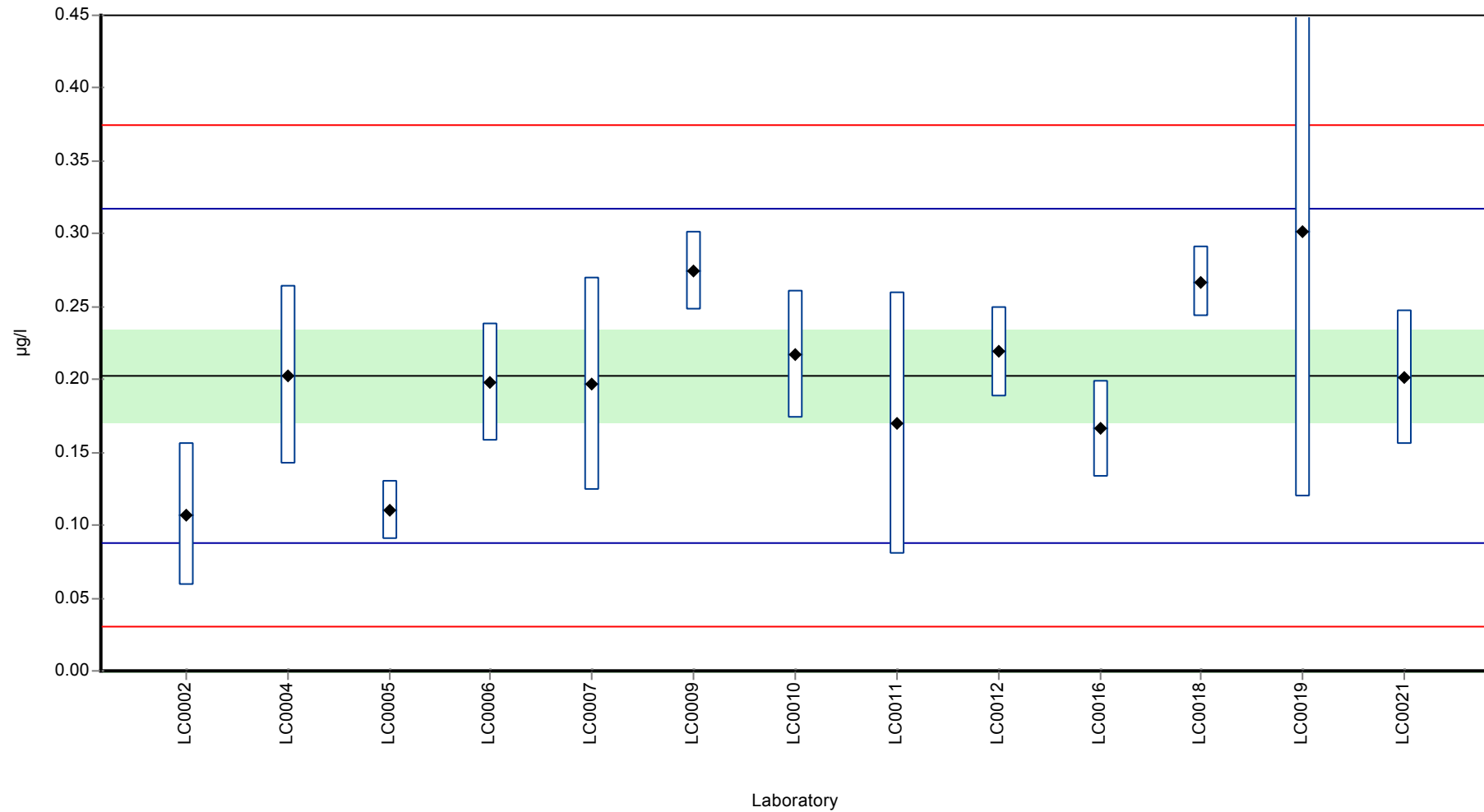
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	0.107	0.049	52.9	-1.66	
LC0003	-	-	-	-	
LC0004	0.203	0.061	100	0.01	
LC0005	0.11	0.02	54.4	-1.61	
LC0006	0.198	0.04	97.8	-0.08	
LC0007	0.197	0.073	97.3	-0.09	
LC0008	-	-	-	-	
LC0009	0.274	0.027	135	1.25	
LC0010	0.2175	0.044	107	0.26	
LC0011	0.17	0.09	84	-0.56	
LC0012	0.219	0.031	108	0.29	
LC0013	-	-	-	-	
LC0014	-	-	-	-	
LC0015	-	-	-	-	
LC0016	0.166	0.033	82	-0.63	
LC0017	-	-	-	-	
LC0018	0.267	0.024	132	1.12	
LC0019	0.3013	0.182	149	1.72	
LC0020	-	-	-	-	
LC0021	0.201	0.046	99.3	-0.02	

Characteristics of parameter

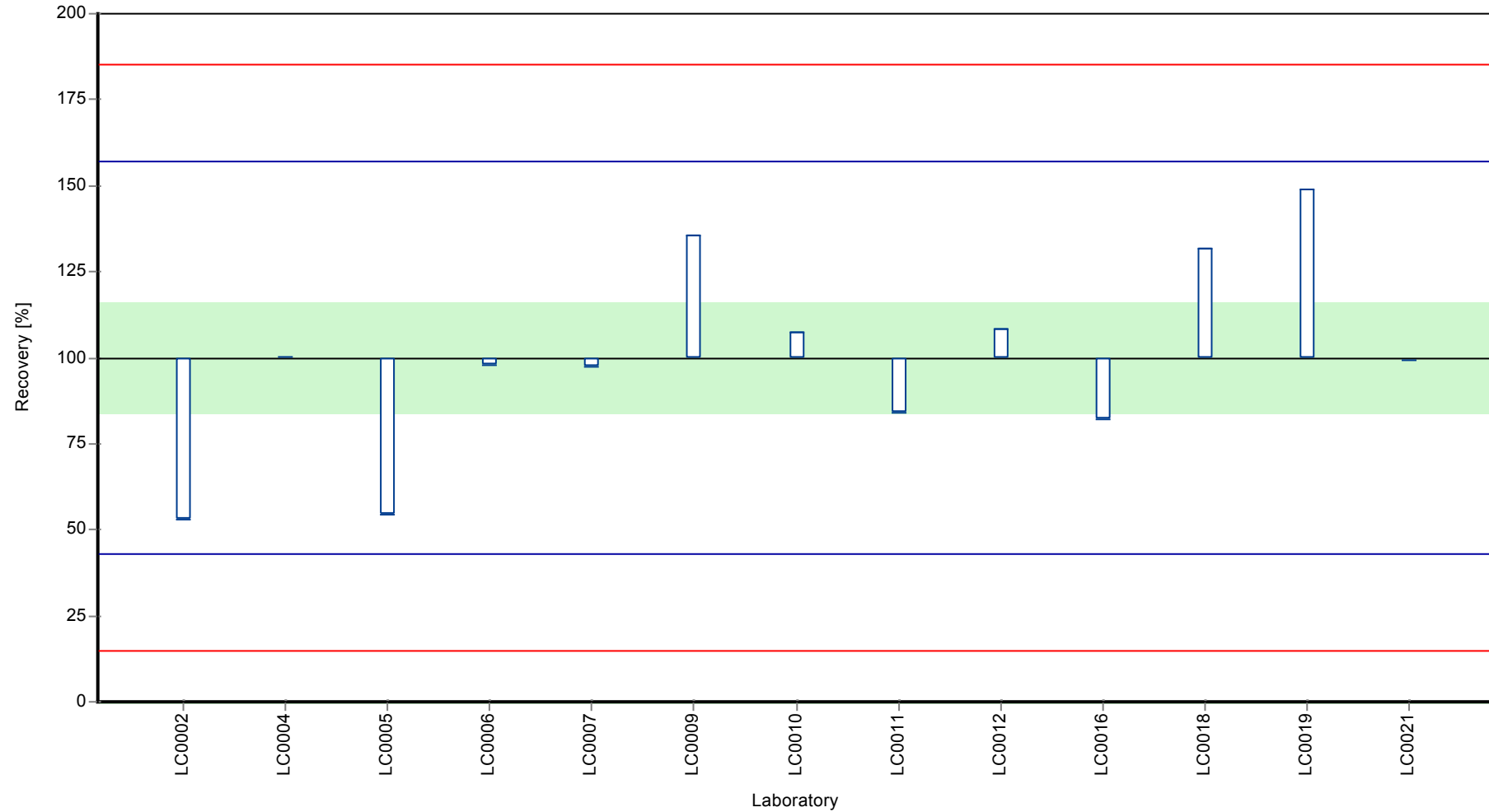
	all results	without outliers	Unit
Mean ± CI (99%)	0.202 ± 0.0478	0.202 ± 0.0478	µg/l
Minimum	0.107	0.107	µg/l
Maximum	0.301	0.301	µg/l
Standard deviation	0.0575	0.0575	µg/l
rel. standard deviation	28.4	28.4	%
n	13	13	-

Graphical presentation of results

Results



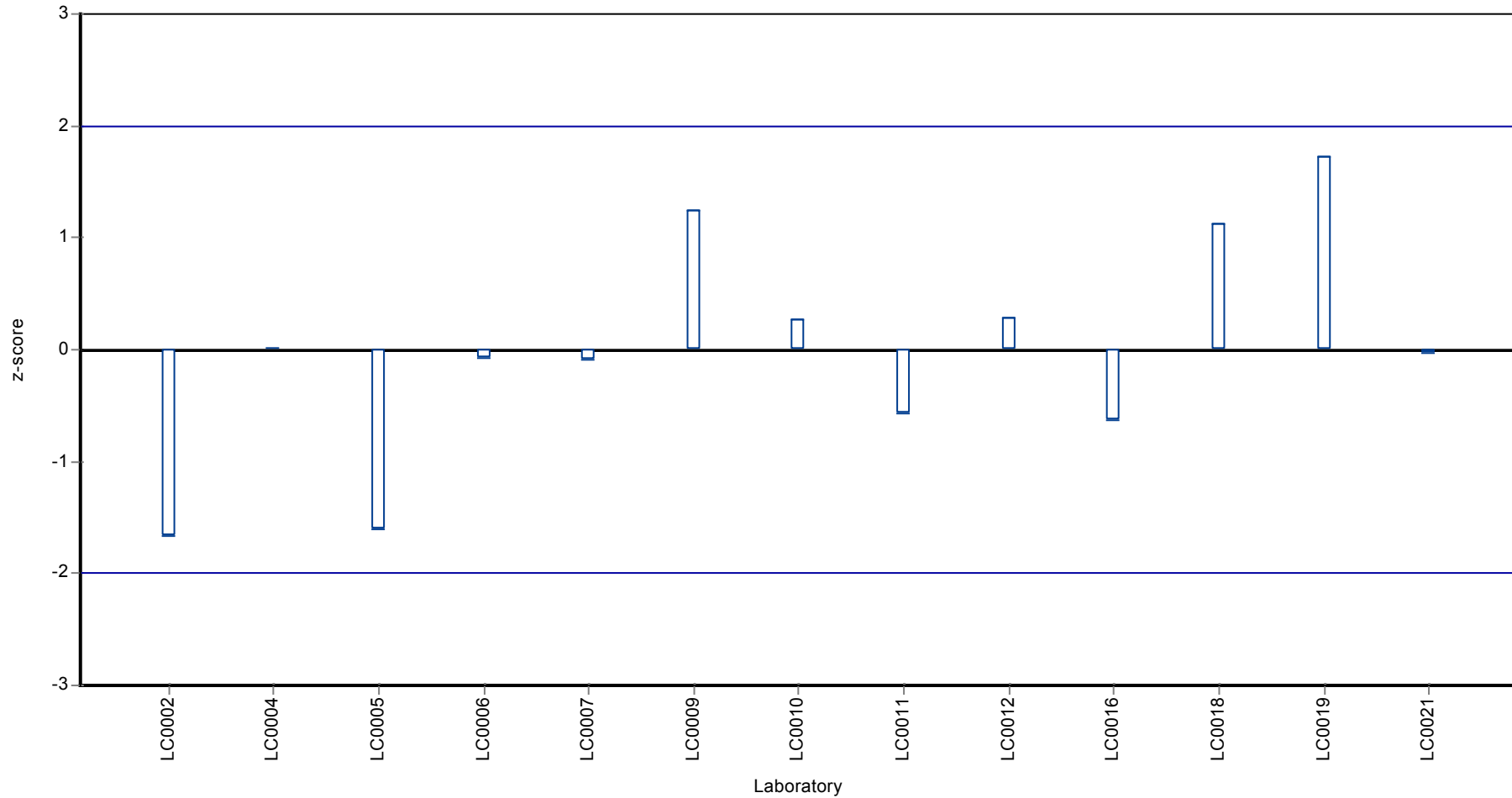
Recovery rate



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ6

Sample: AZ6B, Parameter: Sotalol

Z-score



Parameter oriented report

AZ6 A

Sucralose

Unit	µg/l
Assigned value ± U (k=2)	0.26 ± 0.0491
Criterion	0.0832 (32 %)
Minimum - Maximum	0.174 - 0.398
Control test value ± U (k=2)	0.266 ± 0.0532

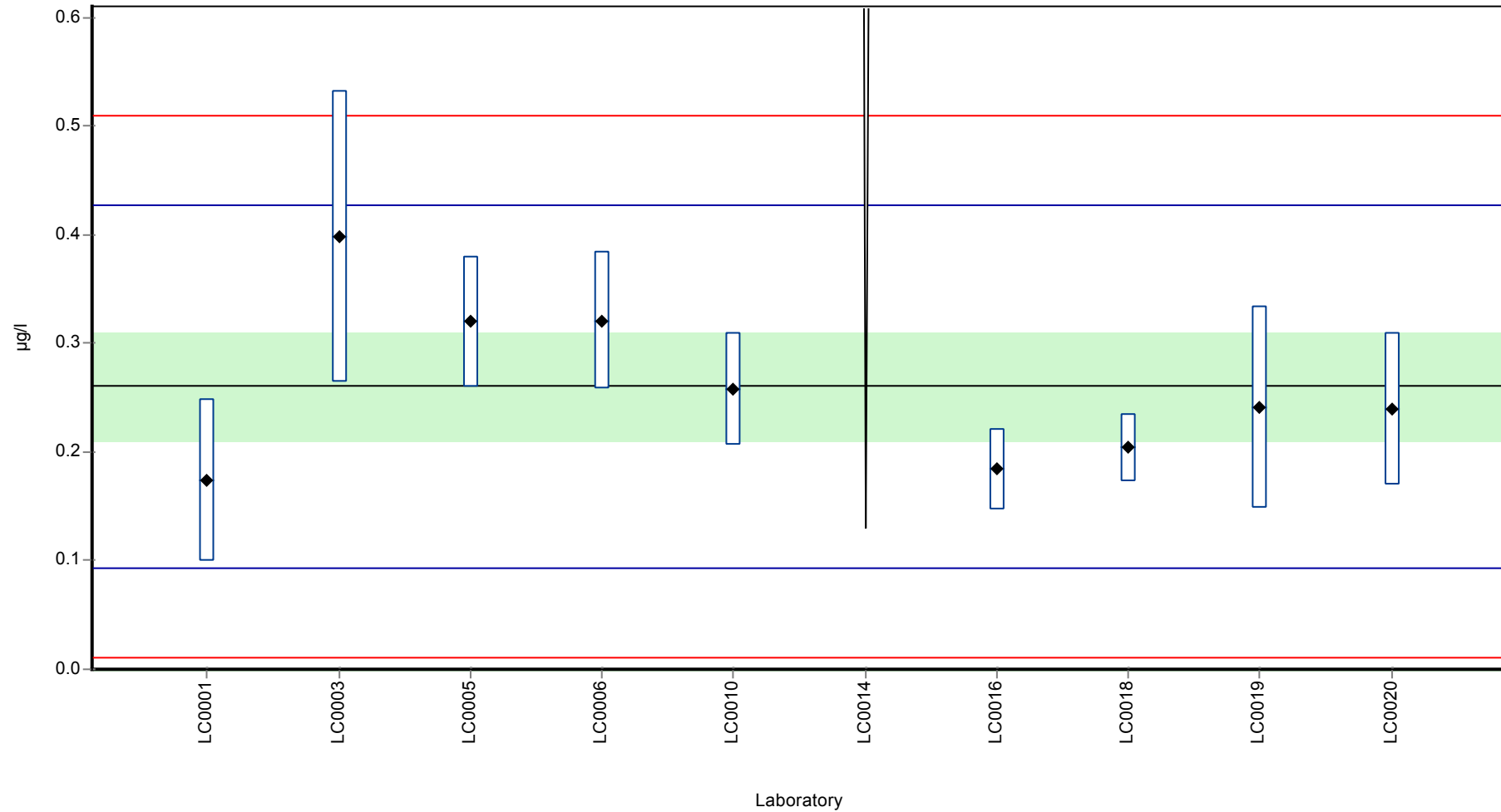
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.174	0.075	66.9	-1.03	
LC0002	-	-	-	-	
LC0003	0.3979	0.13362	153	1.66	
LC0004	-	-	-	-	
LC0005	0.32	0.06	123	0.72	
LC0006	0.321	0.064	123	0.73	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	-	-	-	-	
LC0010	0.2579	0.052	99.2	-0.03	
LC0011	-	-	-	-	
LC0012	-	-	-	-	
LC0013	-	-	-	-	
LC0014	< 1 (LOQ)	-	-	-	
LC0015	-	-	-	-	
LC0016	0.184	0.037	70.8	-0.91	
LC0017	-	-	-	-	
LC0018	0.204	0.031	78.5	-0.67	
LC0019	0.2415	0.093	92.9	-0.22	
LC0020	0.24	0.07	92.3	-0.24	
LC0021	-	-	-	-	

Characteristics of parameter

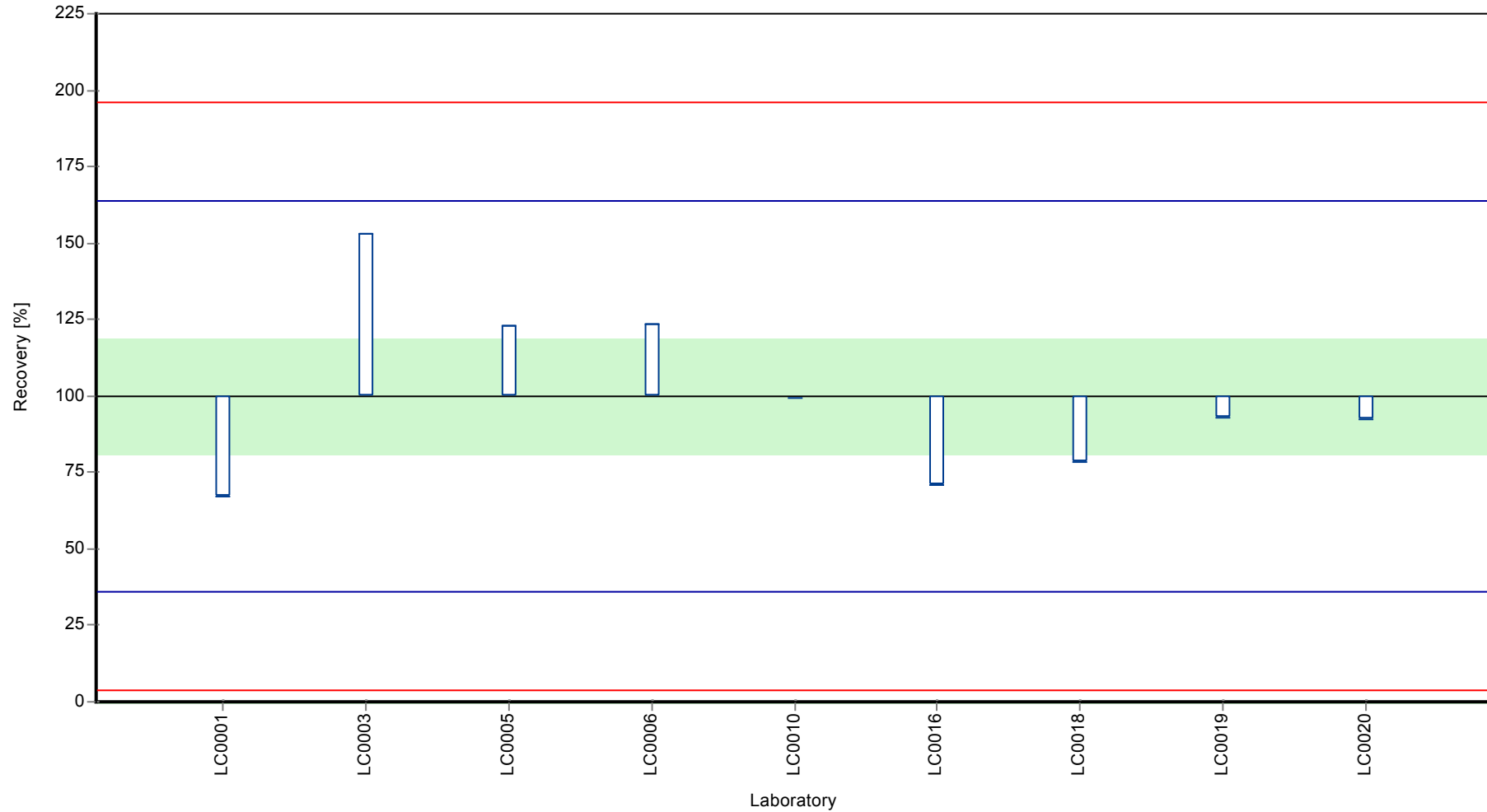
	all results	without outliers	Unit
Mean ± CI (99%)	0.26 ± 0.0736	0.26 ± 0.0736	µg/l
Minimum	0.174	0.174	µg/l
Maximum	0.398	0.398	µg/l
Standard deviation	0.0736	0.0736	µg/l
rel. standard deviation	28.3	28.3	%
n	9	9	-

Graphical presentation of results

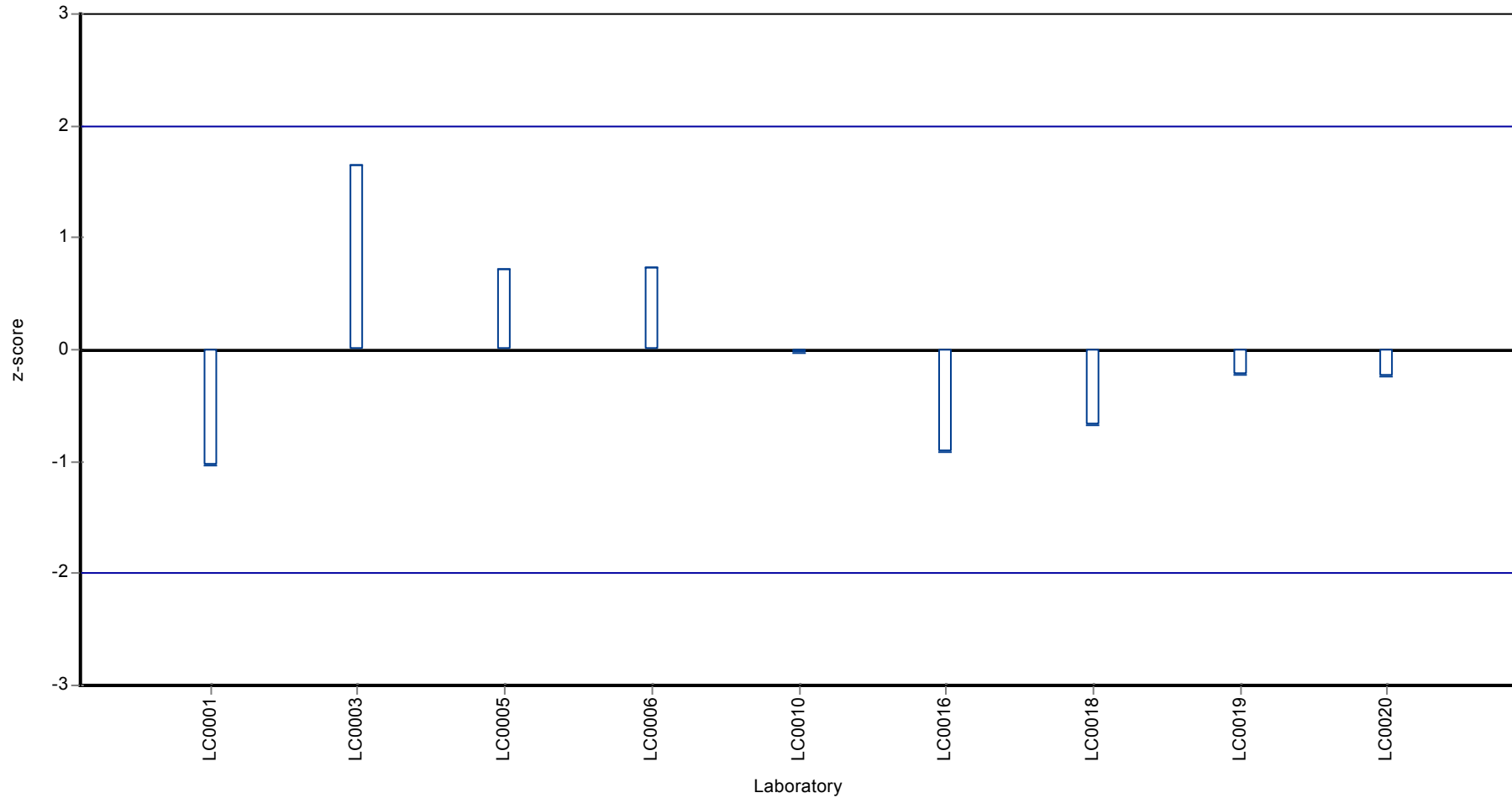
Results



Recovery rate



Z-score



Parameter oriented report

AZ6 B

Sucralose

Unit	µg/l
Assigned value ± U (k=2)	7.71 ± 1.06
Criterion	2.47 (32 %)
Minimum - Maximum	5.87 - 10.4
Control test value ± U (k=2)	9.92 ± 1.98

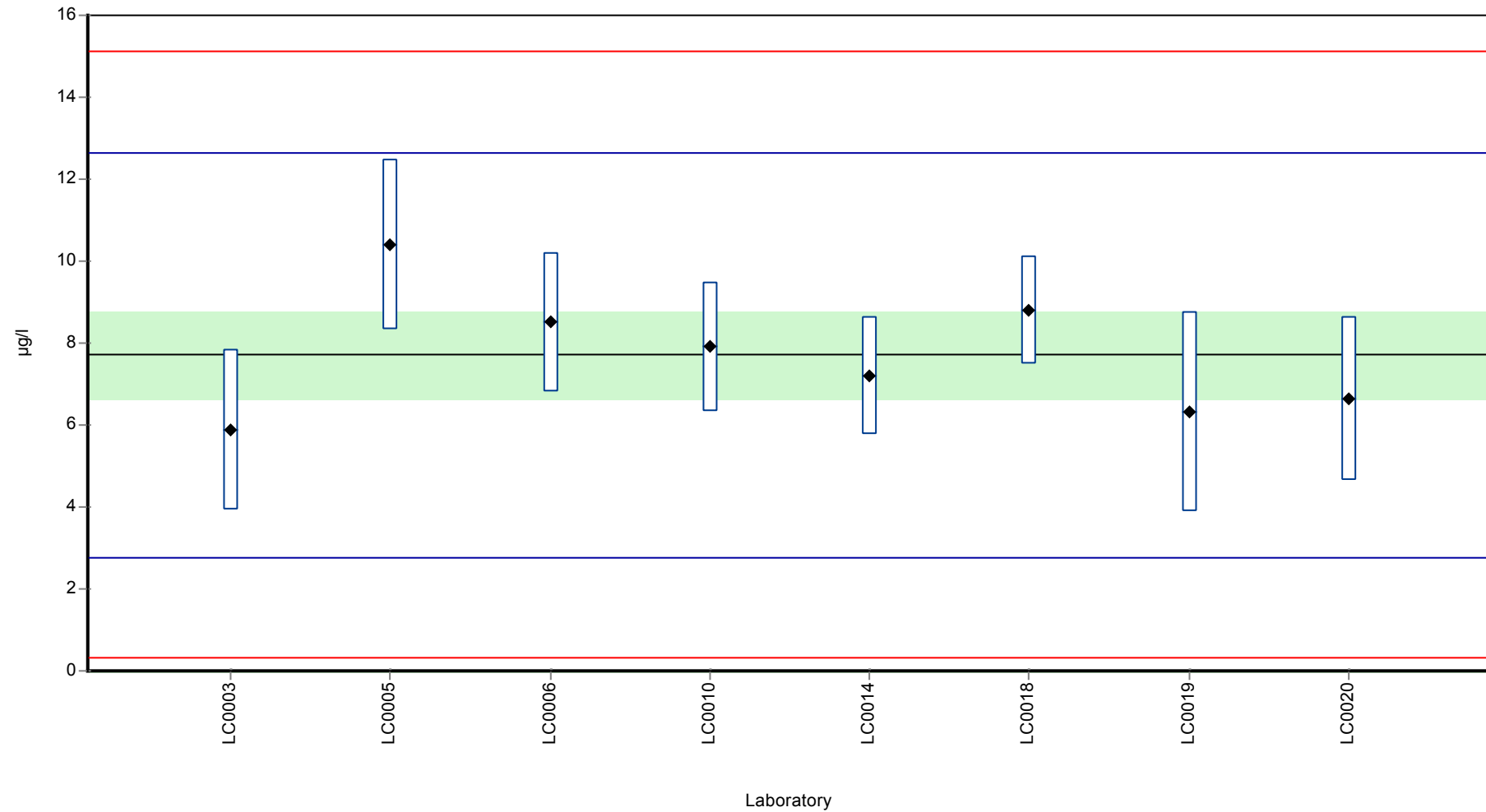
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	5.8731	1.97219	76.2	-0.74	
LC0004	-	-	-	-	
LC0005	10.39	2.08	135	1.09	
LC0006	8.52	1.7	111	0.33	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	-	-	-	-	
LC0010	7.909	1.582	103	0.08	
LC0011	-	-	-	-	
LC0012	-	-	-	-	
LC0013	-	-	-	-	
LC0014	7.19	1.44	93.3	-0.21	
LC0015	-	-	-	-	
LC0016	-	-	-	-	
LC0017	-	-	-	-	
LC0018	8.799	1.32	114	0.44	
LC0019	6.32	2.44	82	-0.56	
LC0020	6.65	1.99	86.3	-0.43	
LC0021	-	-	-	-	

Characteristics of parameter

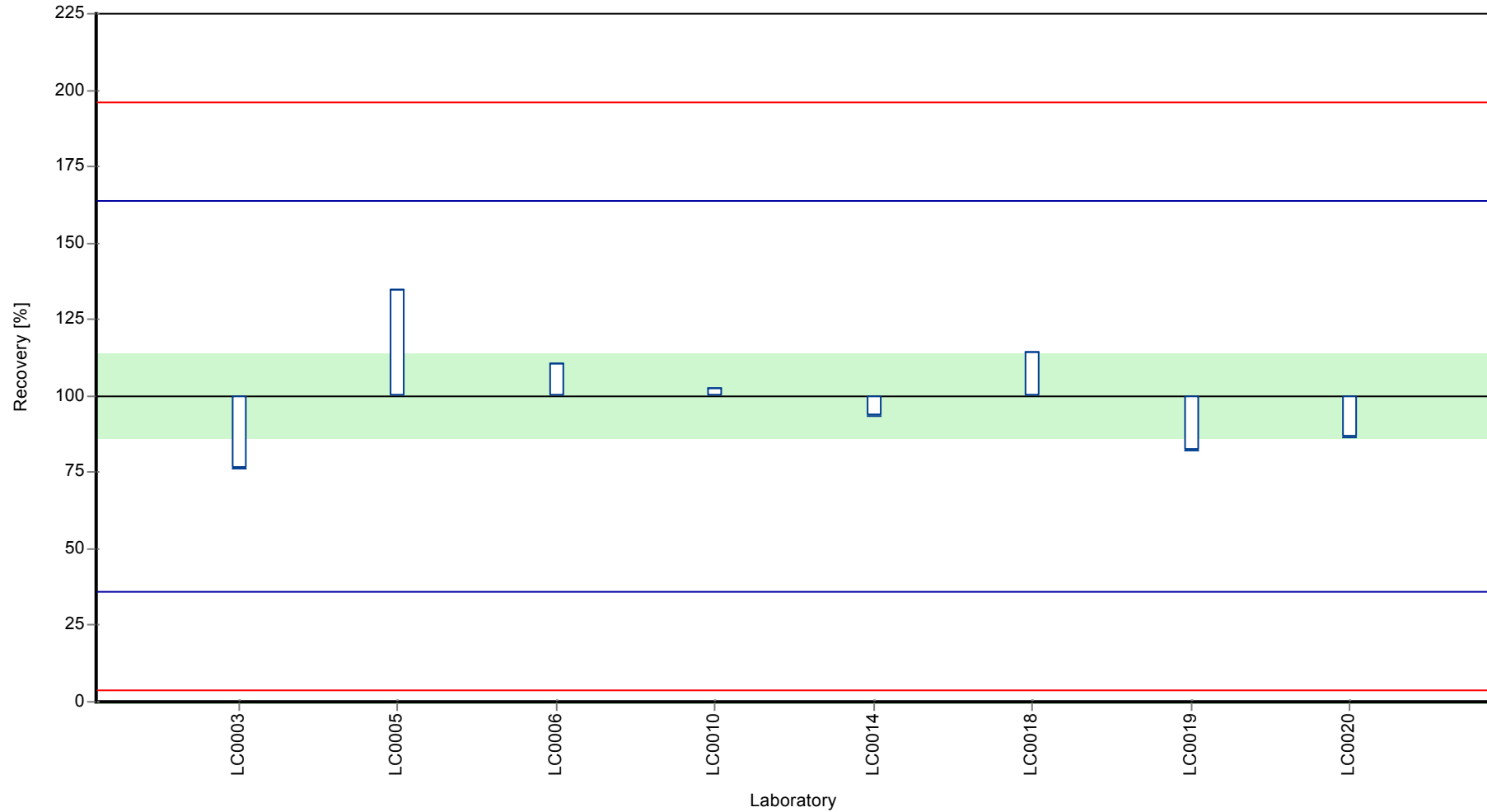
	all results	without outliers	Unit
Mean ± CI (99%)	7.71 ± 1.59	7.71 ± 1.59	µg/l
Minimum	5.87	5.87	µg/l
Maximum	10.4	10.4	µg/l
Standard deviation	1.5	1.5	µg/l
rel. standard deviation	19.5	19.5	%
n	8	8	-

Graphical presentation of results

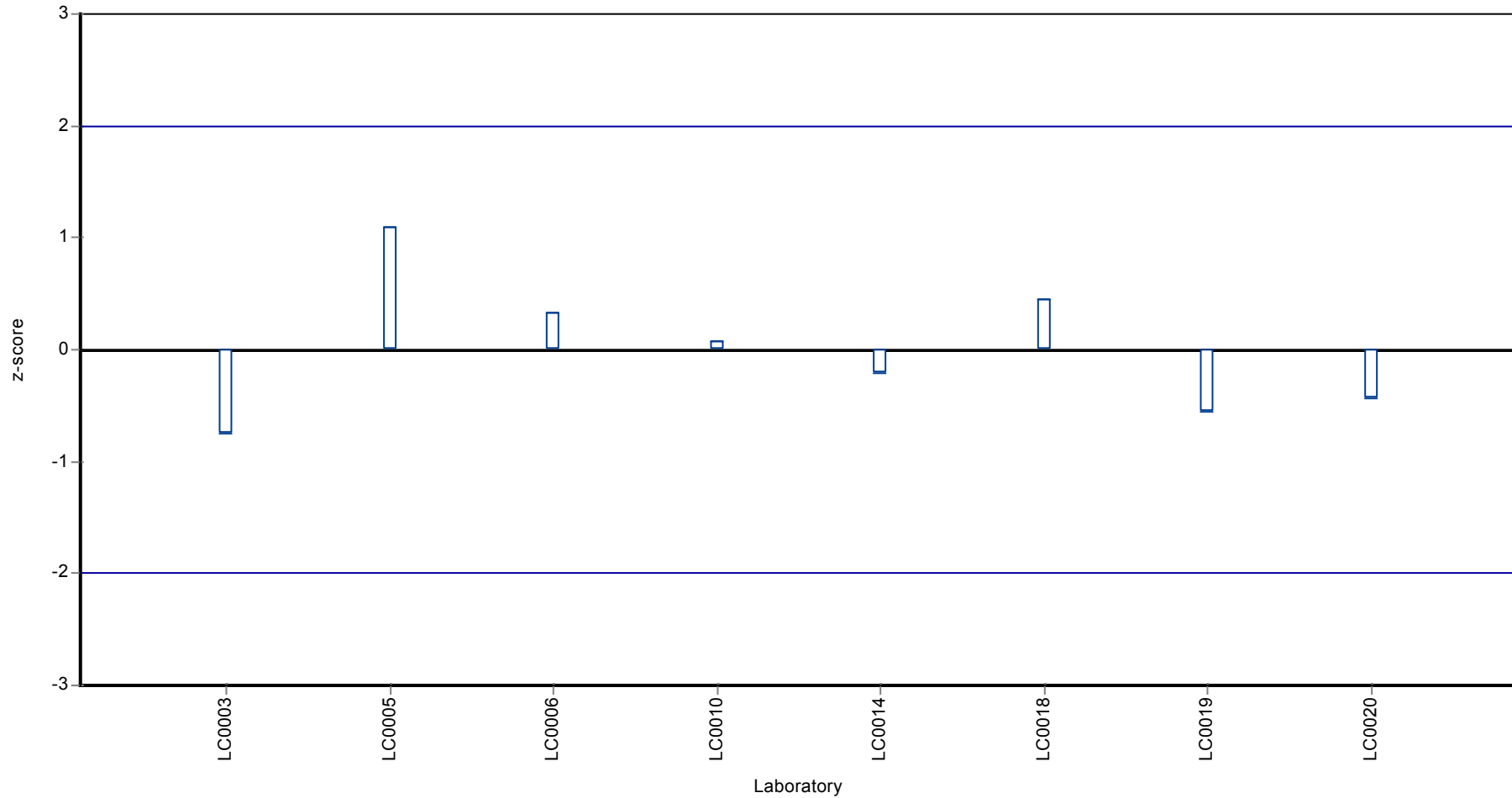
Results



Recovery rate



Z-score



Parameter oriented report

AZ6 A

Sulfamethoxazole

Unit	µg/l
Assigned value ± U (k=2)	0.0507 ± 0.00354
Criterion	0.00613 (12 %)
Minimum - Maximum	0.0349 - 0.058
Control test value ± U (k=2)	0.0515 ± 0.00772

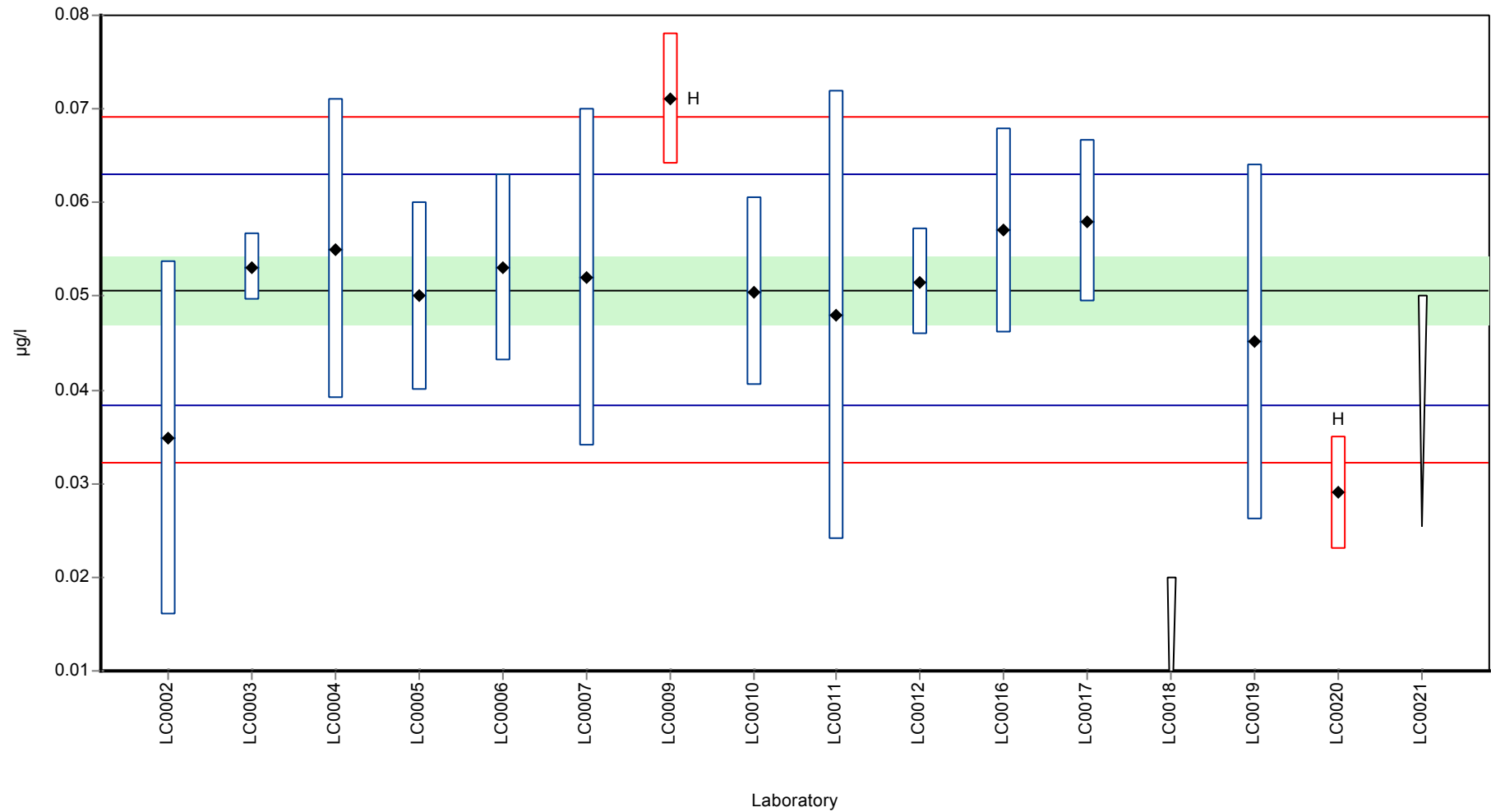
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	0.0349	0.0189	68.9	-2.57	
LC0003	0.05313	0.00366	105	0.4	
LC0004	0.055	0.016	109	0.7	
LC0005	0.05	0.01	98.7	-0.11	
LC0006	0.053	0.01	105	0.38	
LC0007	0.052	0.018	103	0.22	
LC0008	-	-	-	-	
LC0009	0.071	0.007	140	3.32	H
LC0010	0.0505	0.01	99.6	-0.03	
LC0011	0.048	0.024	94.7	-0.44	
LC0012	0.0515	0.0057	102	0.13	
LC0013	-	-	-	-	
LC0014	-	-	-	-	
LC0015	-	-	-	-	
LC0016	0.057	0.011	112	1.03	
LC0017	0.058	0.0087	114	1.19	
LC0018	< 0.02 (LOQ)	-	-	-	FN
LC0019	0.0451	0.019	89	-0.91	
LC0020	0.029	0.006	57.2	-3.54	H
LC0021	< 0.05 (LOQ)	-	-	-	

Characteristics of parameter

	all results	without outliers	Unit
Mean ± CI (99%)	0.0506 ± 0.00801	0.0507 ± 0.00531	µg/l
Minimum	0.029	0.0349	µg/l
Maximum	0.071	0.058	µg/l
Standard deviation	0.00999	0.00613	µg/l
rel. standard deviation	19.7	12.1	%
n	14	12	-

Graphical presentation of results

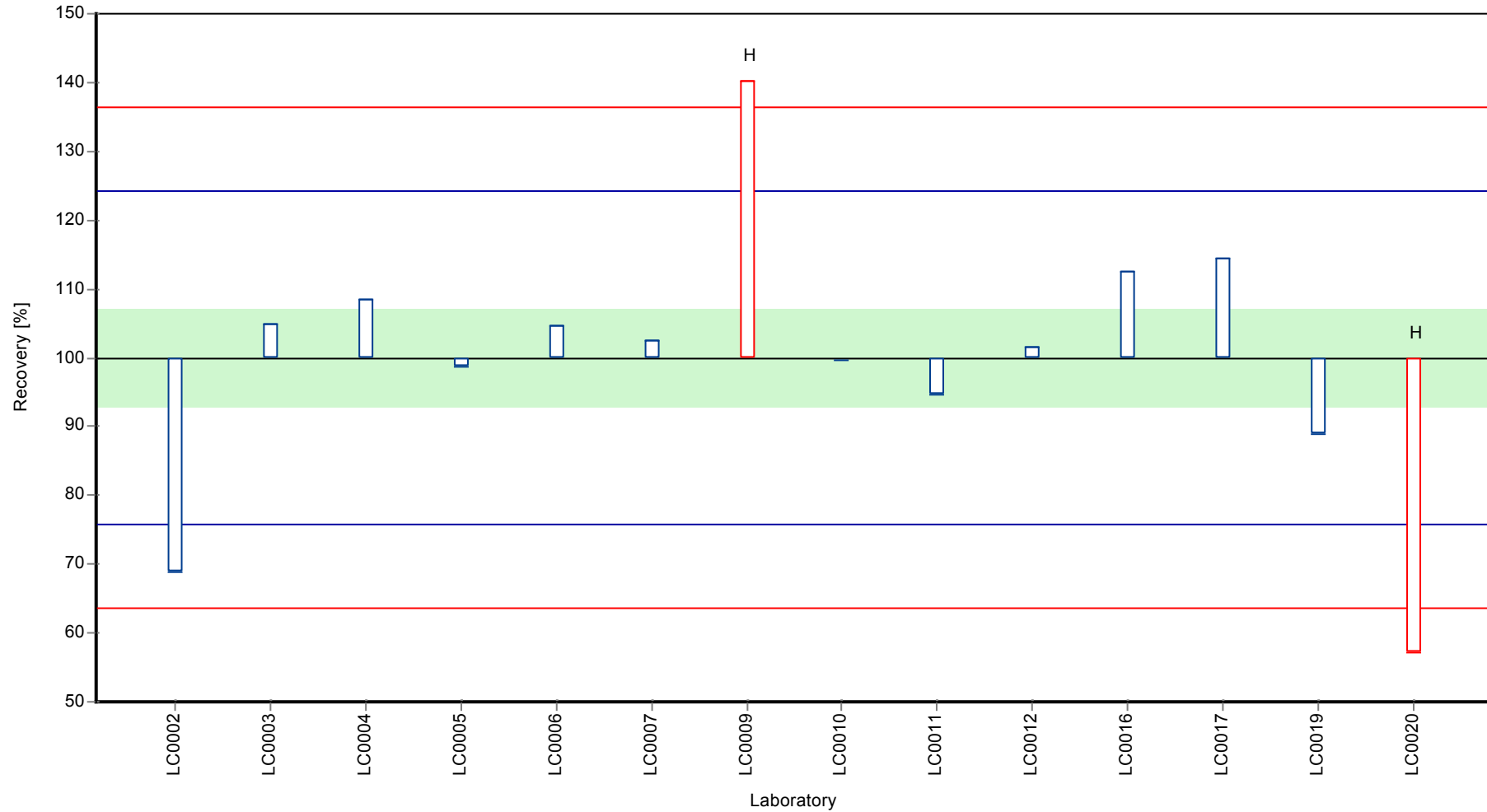
Results



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ6

Sample: AZ6A, Parameter: Sulfamethoxazole

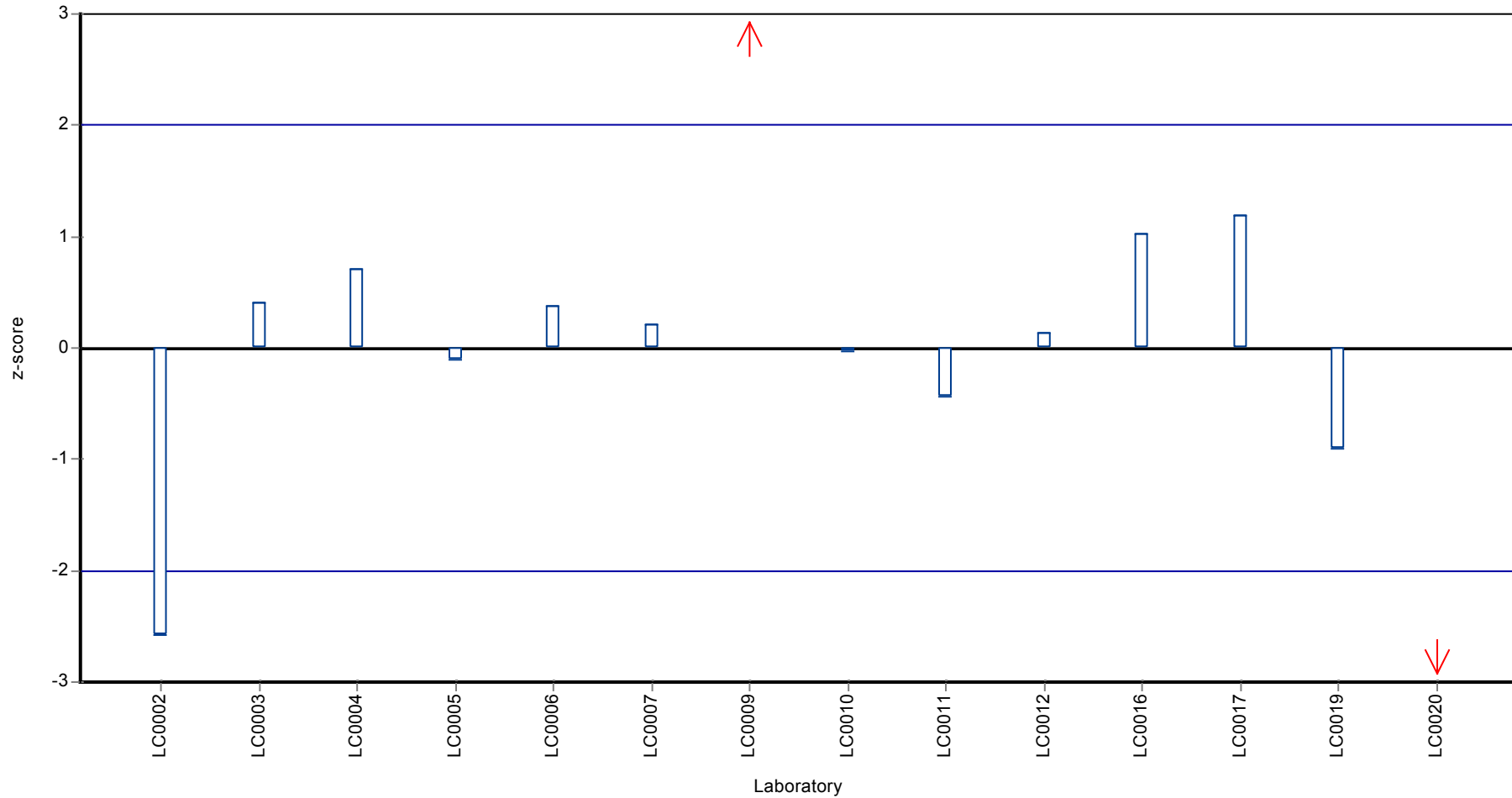
Recovery rate



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ6

Sample: AZ6A, Parameter: Sulfamethoxazole

Z-score



Parameter oriented report

AZ6 B

Sulfamethoxazole

Unit	µg/l
Assigned value ± U (k=2)	0.0362 ± 0.00253
Criterion	0.00435 (12 %)
Minimum - Maximum	0.029 - 0.0413
Control test value ± U (k=2)	0.0327 ± 0.00491

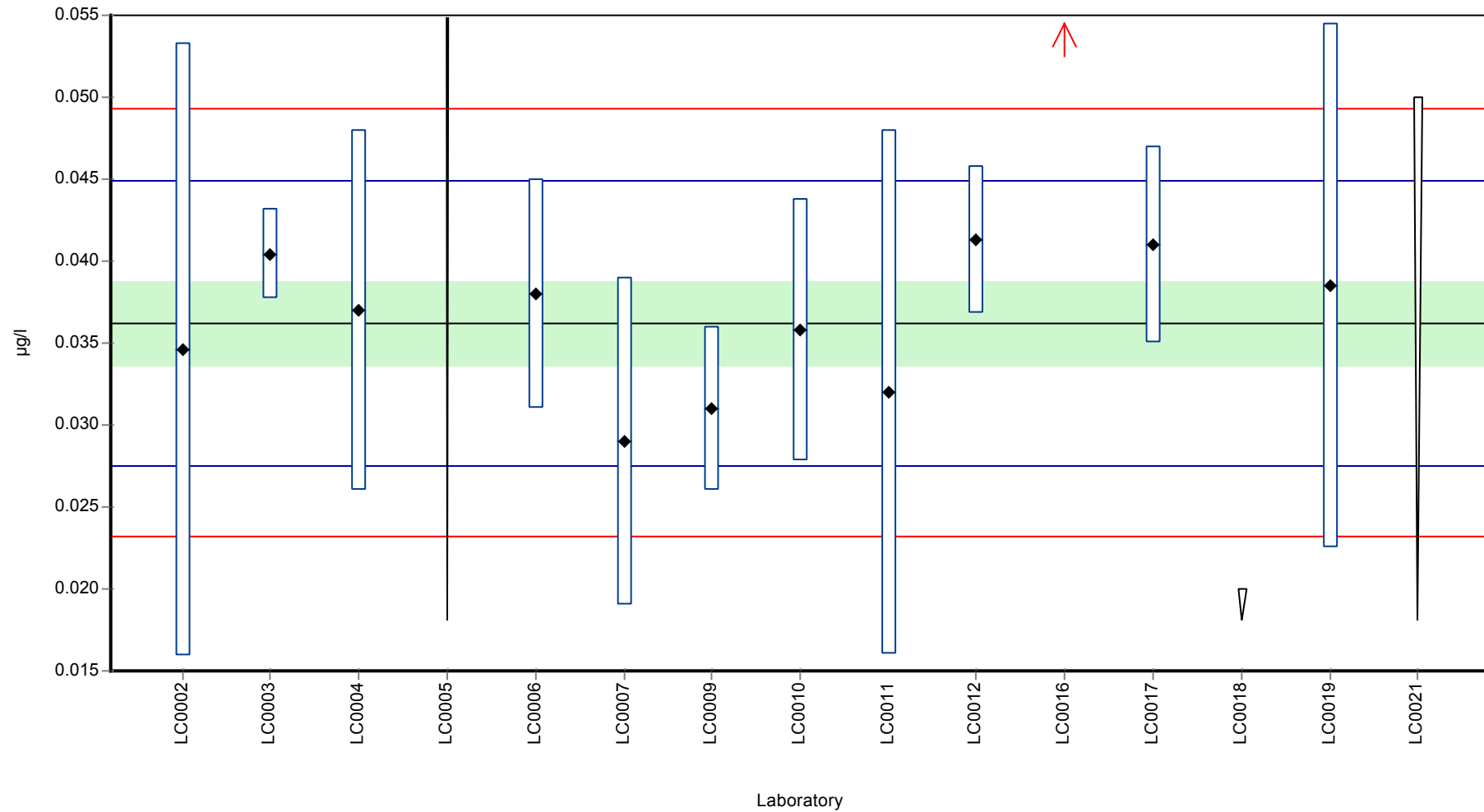
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	0.0346	0.0187	95.5	-0.38	
LC0003	0.04045	0.00278	112	0.97	
LC0004	0.037	0.011	102	0.17	
LC0005	< 0.2 (LOQ)	-	-	-	
LC0006	0.038	0.007	105	0.4	
LC0007	0.029	0.01	80	-1.66	
LC0008	-	-	-	-	
LC0009	0.031	0.005	85.5	-1.2	
LC0010	0.0358	0.008	98.8	-0.1	
LC0011	0.032	0.016	88.3	-0.97	
LC0012	0.0413	0.0045	114	1.16	
LC0013	-	-	-	-	
LC0014	-	-	-	-	
LC0015	-	-	-	-	
LC0016	0.06	0.012	166	5.46	H
LC0017	0.041	0.006	113	1.09	
LC0018	< 0.02 (LOQ)	-	-	-	FN
LC0019	0.0385	0.016	106	0.52	
LC0020	-	-	-	-	
LC0021	< 0.05 (LOQ)	-	-	-	

Characteristics of parameter

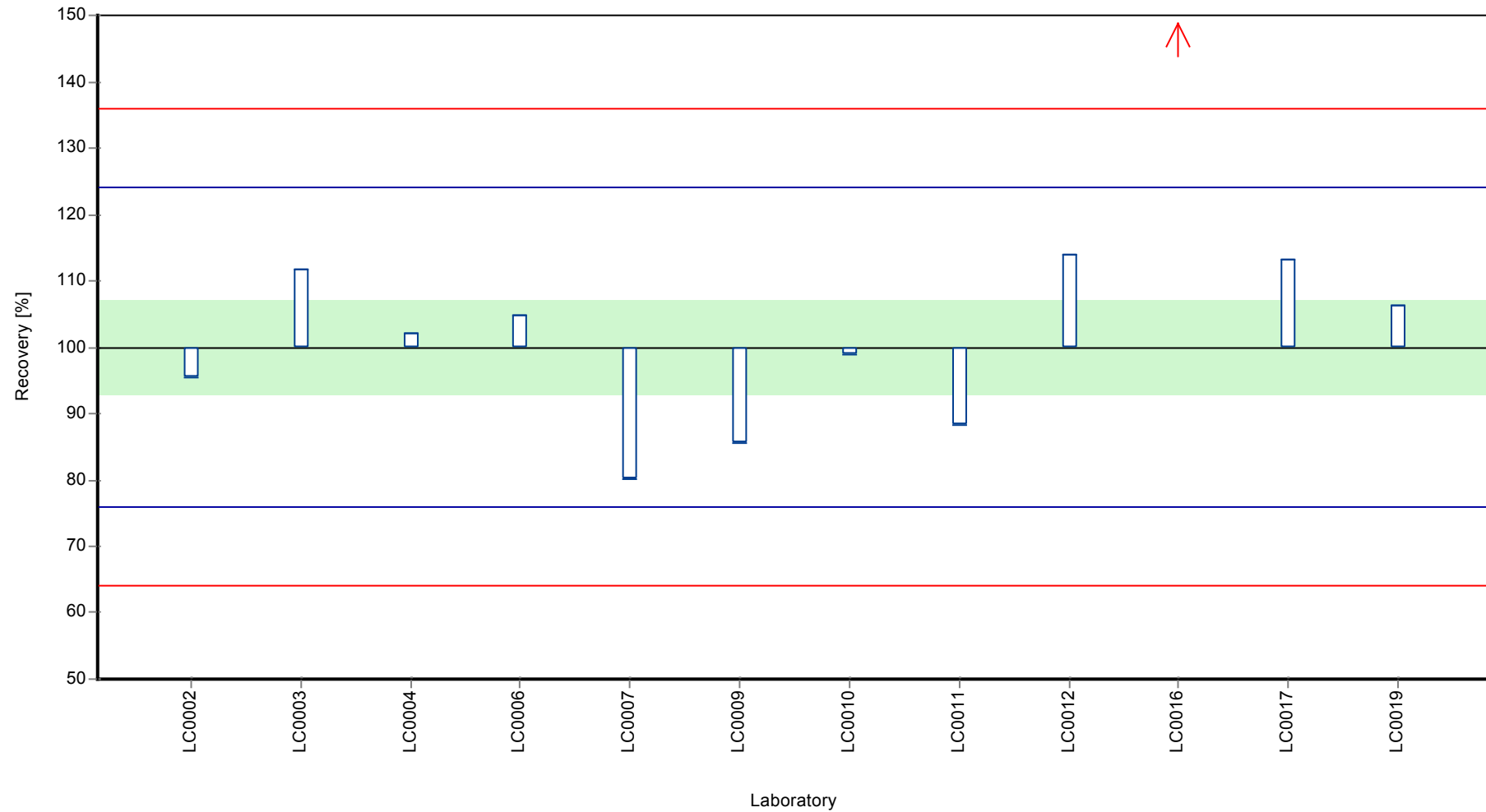
	all results	without outliers	Unit
Mean ± CI (99%)	0.0382 ± 0.00687	0.0362 ± 0.00379	µg/l
Minimum	0.029	0.029	µg/l
Maximum	0.06	0.0413	µg/l
Standard deviation	0.00794	0.00419	µg/l
rel. standard deviation	20.8	11.6 %	
n	12	11	-

Graphical presentation of results

Results



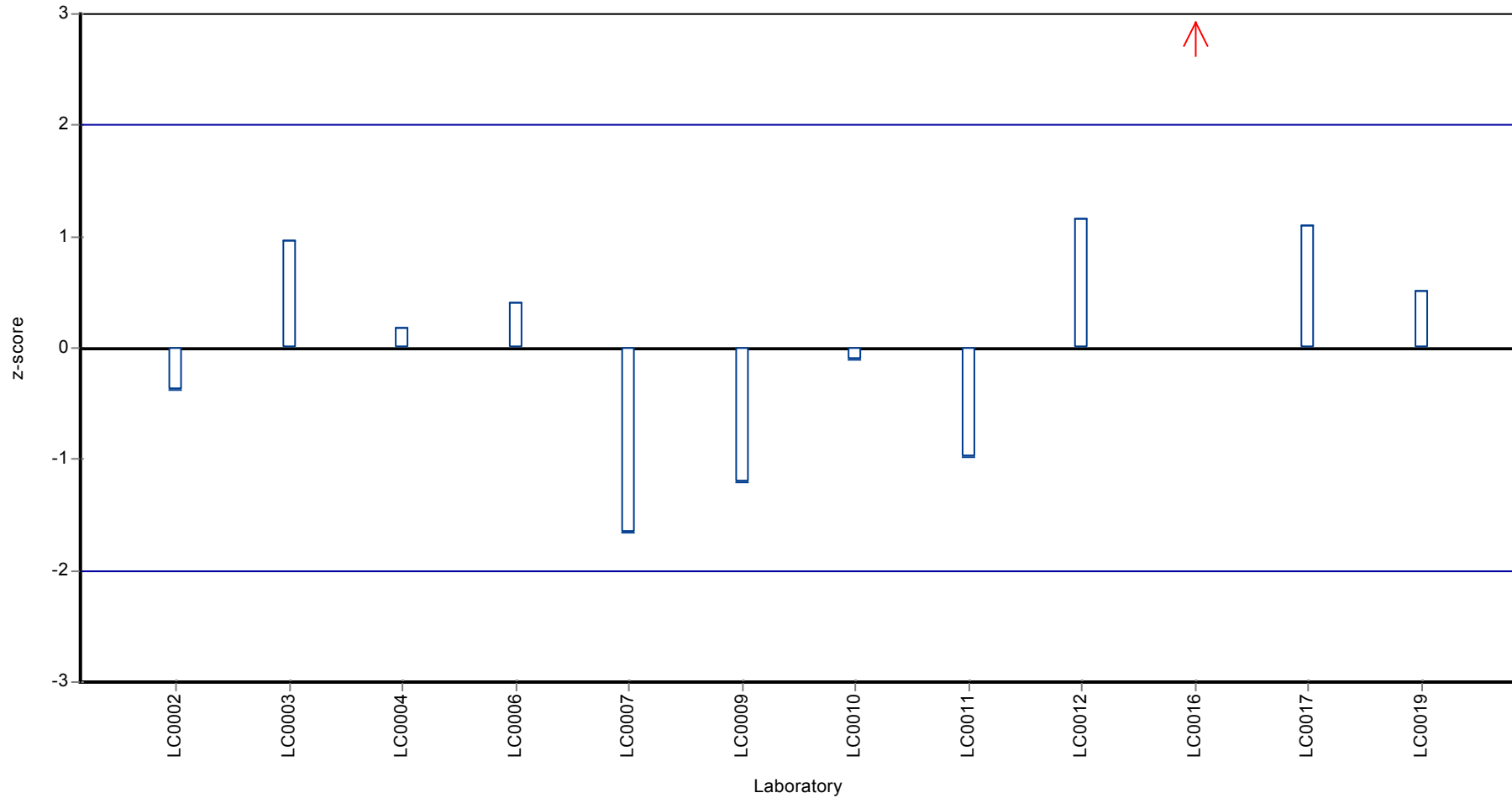
Recovery rate



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ6

Sample: AZ6B, Parameter: Sulfamethoxazole

Z-score



E8. Labororientierte Auswertung / Laboratory oriented report

Die Labororientierte Auswertung ist nach dem Laborcode sortiert.

The laboratory oriented report is sorted by laboratory code.

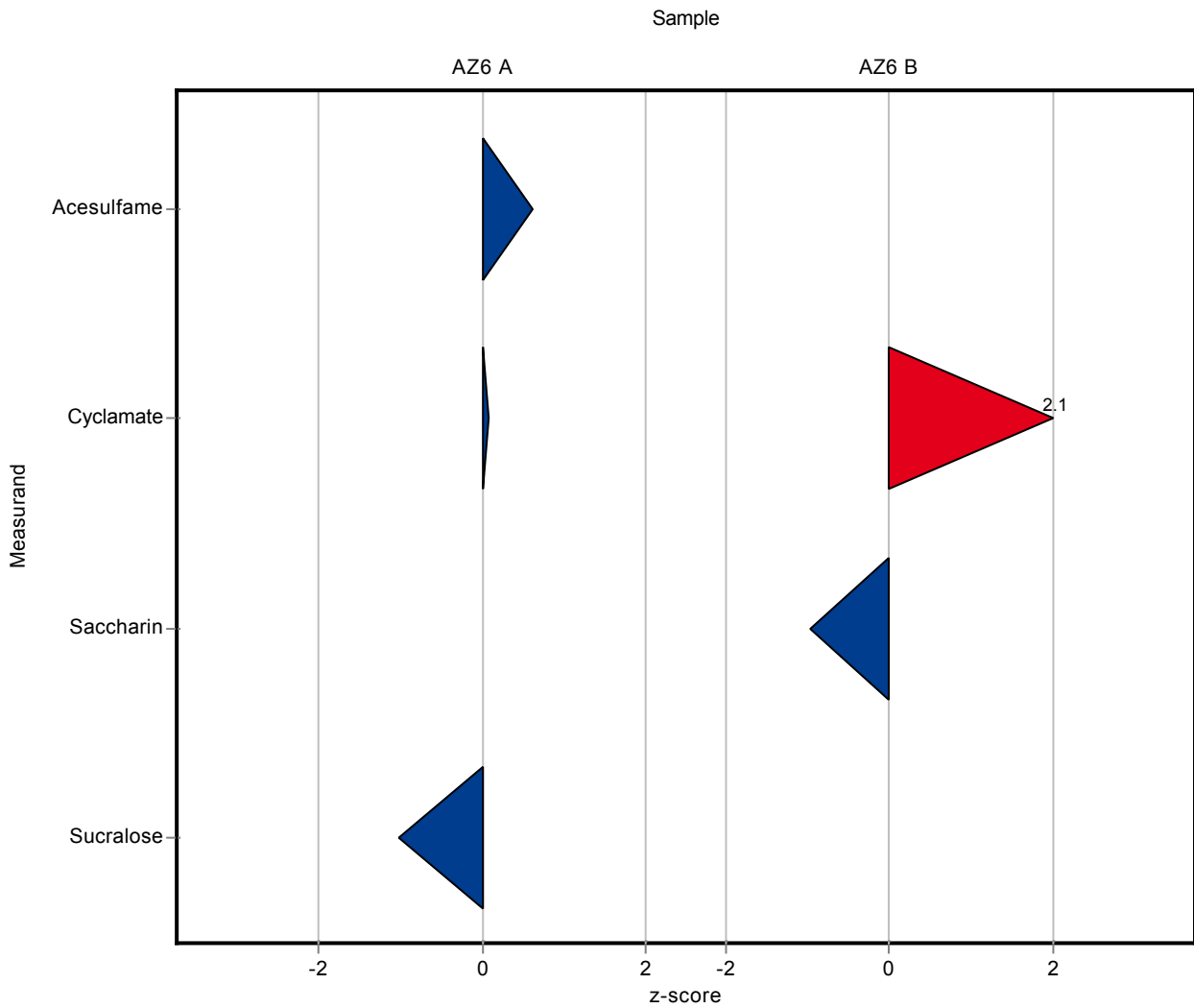
Sample: AZ6A

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	0.133 ± 0.0101	0.149 ± 0.064	0.0253	112	0.63
Amidotrizoic acid	µg/l	0.162 ± 0.0256	- ± -	0.0443	-	-
Atenolol	µg/l	0.14 ± 0.0199	- ± -	0.0315	-	-
Benzotriazole	µg/l	0.151 ± 0.00939	- ± -	0.0197	-	-
Bisoprolol	µg/l	- ± -	- ± -	-	-	-
Carbamazepine	µg/l	0.131 ± 0.00341	- ± -	0.0184	-	-
Cyclamate	µg/l	0.0645 ± 0.0127	0.066 ± 0.028	0.0211	102	0.07
Diazepam	µg/l	- ± -	- ± -	-	-	-
Diclofenac	µg/l	0.142 ± 0.0135	- ± -	0.0262	-	-
Ibuprofen	µg/l	0.479 ± 0.00947	- ± -	0.0479	-	-
Iopamidol	µg/l	0.229 ± 0.0332	- ± -	0.0599	-	-
Metoprolol	µg/l	0.0984 ± 0.0113	- ± -	0.0256	-	-
Saccharin	µg/l	0.0501 ± 0.00946	<0.05 (LOQ) ± -	0.0134	-	-
Sotalol	µg/l	0.184 ± 0.0207	- ± -	0.0374	-	-
Sucralose	µg/l	0.26 ± 0.0491	0.174 ± 0.075	0.0832	66.9	-1.03
Sulfamethoxazole	µg/l	0.0507 ± 0.00354	- ± -	0.00613	-	-

Sample: AZ6B

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	19 ± 2	- ± -	3.75	-	-
Amidotrizoic acid	µg/l	0.986 ± 0.0861	- ± -	0.197	-	-
Atenolol	µg/l	0.515 ± 0.0904	- ± -	0.15	-	-
Benzotriazole	µg/l	7.82 ± 0.351	- ± -	1.02	-	-
Bisoprolol	µg/l	- ± -	- ± -	-	-	-
Carbamazepine	µg/l	0.387 ± 0.0241	- ± -	0.0542	-	-
Cyclamate	µg/l	0.146 ± 0.0396	0.282 ± 0.121	0.0656	193	2.07

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Diazepam	µg/l	0.307 ± 0.0387	- ± -	0.0512	-	-
Diclofenac	µg/l	2.48 ± 0.148	- ± -	0.348	-	-
Ibuprofen	µg/l	- ± -	- ± -	-	-	-
Iopamidol	µg/l	8.33 ± 1	- ± -	1.67	-	-
Metoprolol	µg/l	0.251 ± 0.0352	- ± -	0.0654	-	-
Saccharin	µg/l	0.697 ± 0.0403	0.533 ± 0.229	0.167	76.5	-0.98
Sotalol	µg/l	0.202 ± 0.0319	- ± -	0.0575	-	-
Sucralose	µg/l	7.71 ± 1.06	- ± -	2.47	-	-
Sulfamethoxazole	µg/l	0.0362 ± 0.00253	- ± -	0.00435	-	-



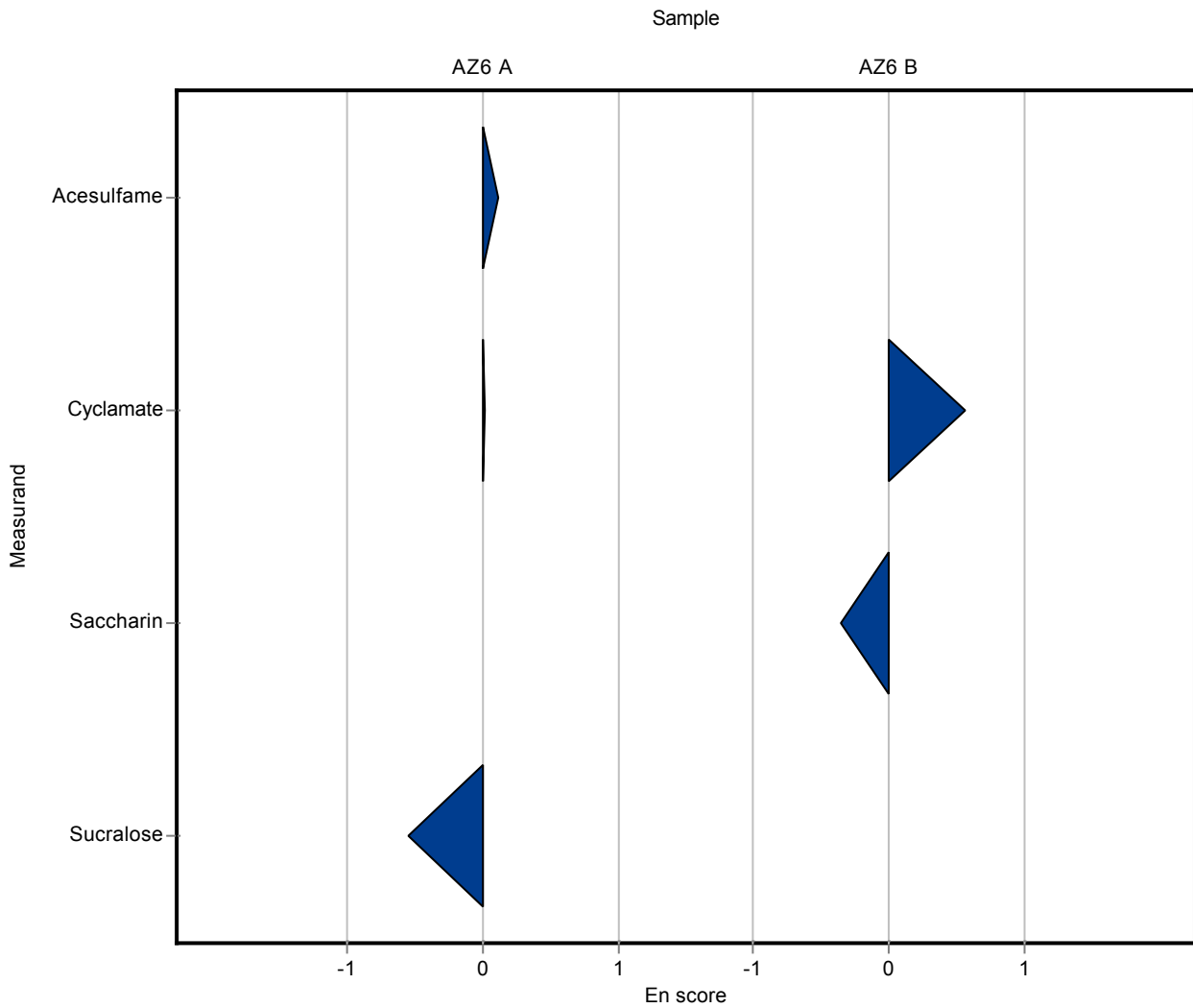
Sample: AZ6A

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	0.133 ± 0.0101	0.149 ± 0.064	0.0253	112	0.12
Amidotrizoic acid	µg/l	0.162 ± 0.0256	- ± -	0.0443	-	-
Atenolol	µg/l	0.14 ± 0.0199	- ± -	0.0315	-	-
Benzotriazole	µg/l	0.151 ± 0.00939	- ± -	0.0197	-	-
Bisoprolol	µg/l	- ± -	- ± -	-	-	-
Carbamazepine	µg/l	0.131 ± 0.00341	- ± -	0.0184	-	-
Cyclamate	µg/l	0.0645 ± 0.0127	0.066 ± 0.028	0.0211	102	0.03
Diazepam	µg/l	- ± -	- ± -	-	-	-
Diclofenac	µg/l	0.142 ± 0.0135	- ± -	0.0262	-	-
Ibuprofen	µg/l	0.479 ± 0.00947	- ± -	0.0479	-	-
Iopamidol	µg/l	0.229 ± 0.0332	- ± -	0.0599	-	-
Metoprolol	µg/l	0.0984 ± 0.0113	- ± -	0.0256	-	-
Saccharin	µg/l	0.0501 ± 0.00946	<0.05 (LOQ) ± -	0.0134	-	-
Sotalol	µg/l	0.184 ± 0.0207	- ± -	0.0374	-	-
Sucralose	µg/l	0.26 ± 0.0491	0.174 ± 0.075	0.0832	66.9	-0.55
Sulfamethoxazole	µg/l	0.0507 ± 0.00354	- ± -	0.00613	-	-

Sample: AZ6B

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	19 ± 2	- ± -	3.75	-	-
Amidotrizoic acid	µg/l	0.986 ± 0.0861	- ± -	0.197	-	-
Atenolol	µg/l	0.515 ± 0.0904	- ± -	0.15	-	-
Benzotriazole	µg/l	7.82 ± 0.351	- ± -	1.02	-	-
Bisoprolol	µg/l	- ± -	- ± -	-	-	-
Carbamazepine	µg/l	0.387 ± 0.0241	- ± -	0.0542	-	-
Cyclamate	µg/l	0.146 ± 0.0396	0.282 ± 0.121	0.0656	193	0.56

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion Recovery [%]	En-Score
Diazepam	µg/l	0.307 ± 0.0387	- ± -	0.0512	-
Diclofenac	µg/l	2.48 ± 0.148	- ± -	0.348	-
Ibuprofen	µg/l	- ± -	- ± -	-	-
Iopamidol	µg/l	8.33 ± 1	- ± -	1.67	-
Metoprolol	µg/l	0.251 ± 0.0352	- ± -	0.0654	-
Saccharin	µg/l	0.697 ± 0.0403	0.533 ± 0.229	0.167	76.5
Sotalol	µg/l	0.202 ± 0.0319	- ± -	0.0575	-
Sucralose	µg/l	7.71 ± 1.06	- ± -	2.47	-
Sulfamethoxazole	µg/l	0.0362 ± 0.00253	- ± -	0.00435	-



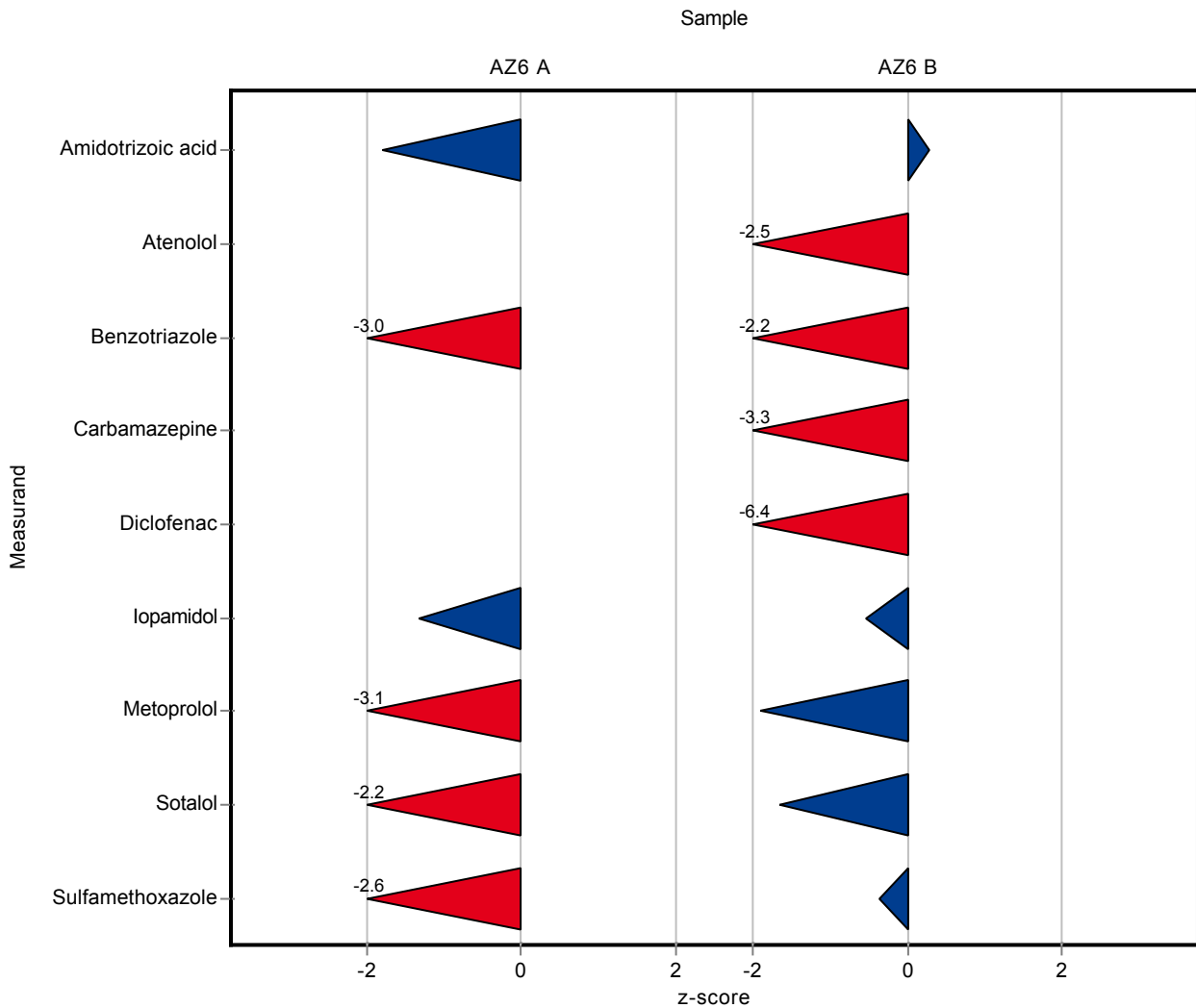
Sample: AZ6A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	µg/l	- ± -	0.0177 ± 0.0074	-	-	-
4-Formylaminoantipyrine	µg/l	- ± -	<0.02 (LOQ) ± -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	- ± -	- ± -	-	-	-
Acesulfame	µg/l	0.133 ± 0.0101	- ± -	0.0253	-	-
Amidotrizoic acid	µg/l	0.162 ± 0.0256	0.0829 ± 0.0348	0.0443	51.1	-1.79
Atenolol	µg/l	0.14 ± 0.0199	<0.005 (LOQ) ± -	0.0315	-	-
Benzotriazole	µg/l	0.151 ± 0.00939	0.0919 ± 0.0414	0.0197	60.7	-3.02
Bisoprolol	µg/l	- ± -	<0.01 (LOQ) ± -	-	-	-
Carbamazepine	µg/l	0.131 ± 0.00341	<0.005 (LOQ) ± -	0.0184	-	-
Cyclamate	µg/l	0.0645 ± 0.0127	- ± -	0.0211	-	-
Diazepam	µg/l	- ± -	- ± -	-	-	-
Diclofenac	µg/l	0.142 ± 0.0135	<0.05 (LOQ) ± -	0.0262	-	-
Ibuprofen	µg/l	0.479 ± 0.00947	<0.5 (LOQ) ± -	0.0479	-	-
Iopamidol	µg/l	0.229 ± 0.0332	0.151 ± 0.072	0.0599	65.8	-1.31
Metoprolol	µg/l	0.0984 ± 0.0113	0.0193 ± 0.0089	0.0256	19.6	-3.09
Saccharin	µg/l	0.0501 ± 0.00946	- ± -	0.0134	-	-
Sotalol	µg/l	0.184 ± 0.0207	0.1 ± 0.0458	0.0374	54.4	-2.24
Sucralose	µg/l	0.26 ± 0.0491	- ± -	0.0832	-	-
Sulfamethoxazole	µg/l	0.0507 ± 0.00354	0.0349 ± 0.0189	0.00613	68.9	-2.57

Sample: AZ6B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	µg/l	- ± -	6.39 ± 2.68	-	-	-
4-Formylaminoantipyrine	µg/l	- ± -	2.07 ± 0.87	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	- ± -	- ± -	-	-	-
Acesulfame	µg/l	19 ± 2	- ± -	3.75	-	-
Amidotrizoic acid	µg/l	0.986 ± 0.0861	1.04 ± 0.44	0.197	106	0.28
Atenolol	µg/l	0.515 ± 0.0904	0.135 ± 0.05	0.15	26.2	-2.53
Benzotriazole	µg/l	7.82 ± 0.351	5.57 ± 2.51	1.02	71.2	-2.22
Bisoprolol	µg/l	- ± -	0.0516 ± 0.0268	-	-	-
Carbamazepine	µg/l	0.387 ± 0.0241	0.21 ± 0.092	0.0542	54.2	-3.27
Cyclamate	µg/l	0.146 ± 0.0396	- ± -	0.0656	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Diazepam	µg/l	0.307 ± 0.0387	- ± -	0.0512	-	-
Diclofenac	µg/l	2.48 ± 0.148	0.255 ± 0.117	0.348	10.3	-6.41
Ibuprofen	µg/l	- ± -	<0.05 (LOQ) ± -	-	-	-
Iopamidol	µg/l	8.33 ± 1	7.43 ± 3.57	1.67	89.2	-0.54
Metoprolol	µg/l	0.251 ± 0.0352	0.127 ± 0.058	0.0654	50.5	-1.90
Saccharin	µg/l	0.697 ± 0.0403	- ± -	0.167	-	-
Sotalol	µg/l	0.202 ± 0.0319	0.107 ± 0.049	0.0575	52.9	-1.66
Sucralose	µg/l	7.71 ± 1.06	- ± -	2.47	-	-
Sulfamethoxazole	µg/l	0.0362 ± 0.00253	0.0346 ± 0.0187	0.00435	95.5	-0.38



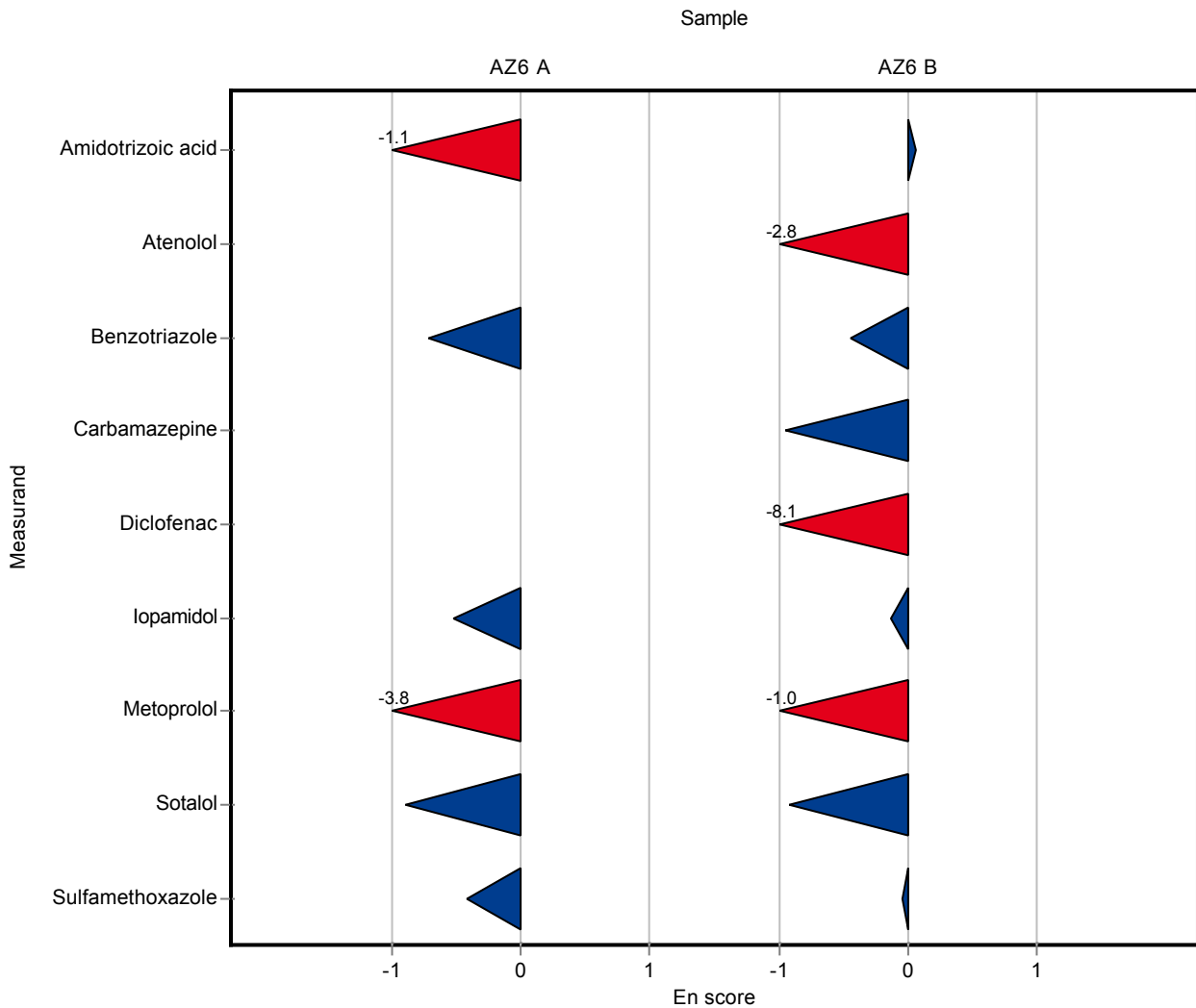
Sample: AZ6A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	µg/l	- ± -	0.0177 ± 0.0074	-	-	-
4-Formylaminoantipyrine	µg/l	- ± -	<0.02 (LOQ) ± -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	- ± -	- ± -	-	-	-
Acesulfame	µg/l	0.133 ± 0.0101	- ± -	0.0253	-	-
Amidotrizoic acid	µg/l	0.162 ± 0.0256	0.0829 ± 0.0348	0.0443	51.1	-1.07
Atenolol	µg/l	0.14 ± 0.0199	<0.005 (LOQ) ± -	0.0315	-	-
Benzotriazole	µg/l	0.151 ± 0.00939	0.0919 ± 0.0414	0.0197	60.7	-0.71
Bisoprolol	µg/l	- ± -	<0.01 (LOQ) ± -	-	-	-
Carbamazepine	µg/l	0.131 ± 0.00341	<0.005 (LOQ) ± -	0.0184	-	-
Cyclamate	µg/l	0.0645 ± 0.0127	- ± -	0.0211	-	-
Diazepam	µg/l	- ± -	- ± -	-	-	-
Diclofenac	µg/l	0.142 ± 0.0135	<0.05 (LOQ) ± -	0.0262	-	-
Ibuprofen	µg/l	0.479 ± 0.00947	<0.5 (LOQ) ± -	0.0479	-	-
Iopamidol	µg/l	0.229 ± 0.0332	0.151 ± 0.072	0.0599	65.8	-0.53
Metoprolol	µg/l	0.0984 ± 0.0113	0.0193 ± 0.0089	0.0256	19.6	-3.75
Saccharin	µg/l	0.0501 ± 0.00946	- ± -	0.0134	-	-
Sotalol	µg/l	0.184 ± 0.0207	0.1 ± 0.0458	0.0374	54.4	-0.89
Sucralose	µg/l	0.26 ± 0.0491	- ± -	0.0832	-	-
Sulfamethoxazole	µg/l	0.0507 ± 0.00354	0.0349 ± 0.0189	0.00613	68.9	-0.42

Sample: AZ6B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	µg/l	- ± -	6.39 ± 2.68	-	-	-
4-Formylaminoantipyrine	µg/l	- ± -	2.07 ± 0.87	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	- ± -	- ± -	-	-	-
Acesulfame	µg/l	19 ± 2	- ± -	3.75	-	-
Amidotrizoic acid	µg/l	0.986 ± 0.0861	1.04 ± 0.44	0.197	106	0.06
Atenolol	µg/l	0.515 ± 0.0904	0.135 ± 0.05	0.15	26.2	-2.82
Benzotriazole	µg/l	7.82 ± 0.351	5.57 ± 2.51	1.02	71.2	-0.45
Bisoprolol	µg/l	- ± -	0.0516 ± 0.0268	-	-	-
Carbamazepine	µg/l	0.387 ± 0.0241	0.21 ± 0.092	0.0542	54.2	-0.95
Cyclamate	µg/l	0.146 ± 0.0396	- ± -	0.0656	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion Recovery	En-Score [%]
Diazepam	µg/l	0.307 ± 0.0387	- ± -	0.0512	-
Diclofenac	µg/l	2.48 ± 0.148	0.255 ± 0.117	0.348	10.3
Ibuprofen	µg/l	- ± -	<0.05 (LOQ) ± -	-	-
Iopamidol	µg/l	8.33 ± 1	7.43 ± 3.57	1.67	89.2
Metoprolol	µg/l	0.251 ± 0.0352	0.127 ± 0.058	0.0654	50.5
Saccharin	µg/l	0.697 ± 0.0403	- ± -	0.167	-
Sotalol	µg/l	0.202 ± 0.0319	0.107 ± 0.049	0.0575	52.9
Sucralose	µg/l	7.71 ± 1.06	- ± -	2.47	-
Sulfamethoxazole	µg/l	0.0362 ± 0.00253	0.0346 ± 0.0187	0.00435	95.5



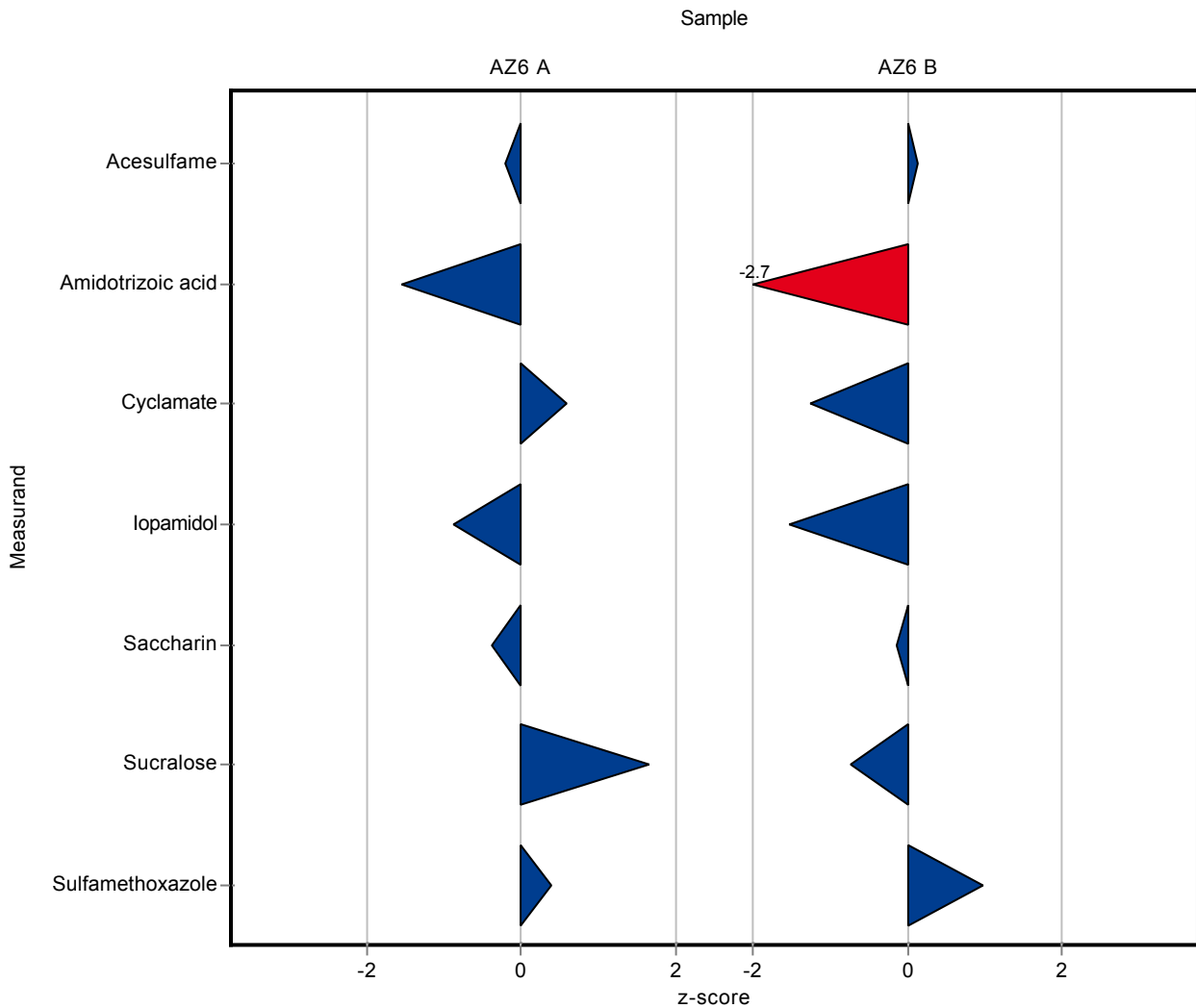
Sample: AZ6A

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	0.133 ± 0.0101	0.128 ± 0.00499	0.0253	96.2	-0.20
Amidotrizoic acid	µg/l	0.162 ± 0.0256	0.0942 ± 0.01856	0.0443	58.1	-1.53
Atenolol	µg/l	0.14 ± 0.0199	- ± -	0.0315	-	-
Benzotriazole	µg/l	0.151 ± 0.00939	- ± -	0.0197	-	-
Bisoprolol	µg/l	- ± -	- ± -	-	-	-
Carbamazepine	µg/l	0.131 ± 0.00341	- ± -	0.0184	-	-
Cyclamate	µg/l	0.0645 ± 0.0127	0.0769 ± 0.02547	0.0211	119	0.59
Diazepam	µg/l	- ± -	- ± -	-	-	-
Diclofenac	µg/l	0.142 ± 0.0135	- ± -	0.0262	-	-
Ibuprofen	µg/l	0.479 ± 0.00947	- ± -	0.0479	-	-
Iopamidol	µg/l	0.229 ± 0.0332	0.177 ± 0.03229	0.0599	77.2	-0.88
Metoprolol	µg/l	0.0984 ± 0.0113	- ± -	0.0256	-	-
Saccharin	µg/l	0.0501 ± 0.00946	0.0452 ± 0.00802	0.0134	90.2	-0.37
Sotalol	µg/l	0.184 ± 0.0207	- ± -	0.0374	-	-
Sucralose	µg/l	0.26 ± 0.0491	0.3979 ± 0.13362	0.0832	153	1.66
Sulfamethoxazole	µg/l	0.0507 ± 0.00354	0.05313 ± 0.00366	0.00613	105	0.40

Sample: AZ6B

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	19 ± 2	19.4099 ± 0.34161	3.75	102	0.12
Amidotrizoic acid	µg/l	0.986 ± 0.0861	0.457 ± 0.11033	0.197	46.4	-2.68
Atenolol	µg/l	0.515 ± 0.0904	- ± -	0.15	-	-
Benzotriazole	µg/l	7.82 ± 0.351	- ± -	1.02	-	-
Bisoprolol	µg/l	- ± -	- ± -	-	-	-
Carbamazepine	µg/l	0.387 ± 0.0241	- ± -	0.0542	-	-
Cyclamate	µg/l	0.146 ± 0.0396	0.0641 ± 0.00694	0.0656	43.9	-1.25

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion Recovery [%]	z-Score
Diazepam	µg/l	0.307 ± 0.0387	- ± -	0.0512	-
Diclofenac	µg/l	2.48 ± 0.148	- ± -	0.348	-
Ibuprofen	µg/l	- ± -	- ± -	-	-
Iopamidol	µg/l	8.33 ± 1	5.753 ± 0.51777	1.67	69.1
Metoprolol	µg/l	0.251 ± 0.0352	- ± -	0.0654	-
Saccharin	µg/l	0.697 ± 0.0403	0.6739 ± 0.05566	0.167	96.7
Sotalol	µg/l	0.202 ± 0.0319	- ± -	0.0575	-
Sucralose	µg/l	7.71 ± 1.06	5.8731 ± 1.97219	2.47	76.2
Sulfamethoxazole	µg/l	0.0362 ± 0.00253	0.04045 ± 0.00278	0.00435	112



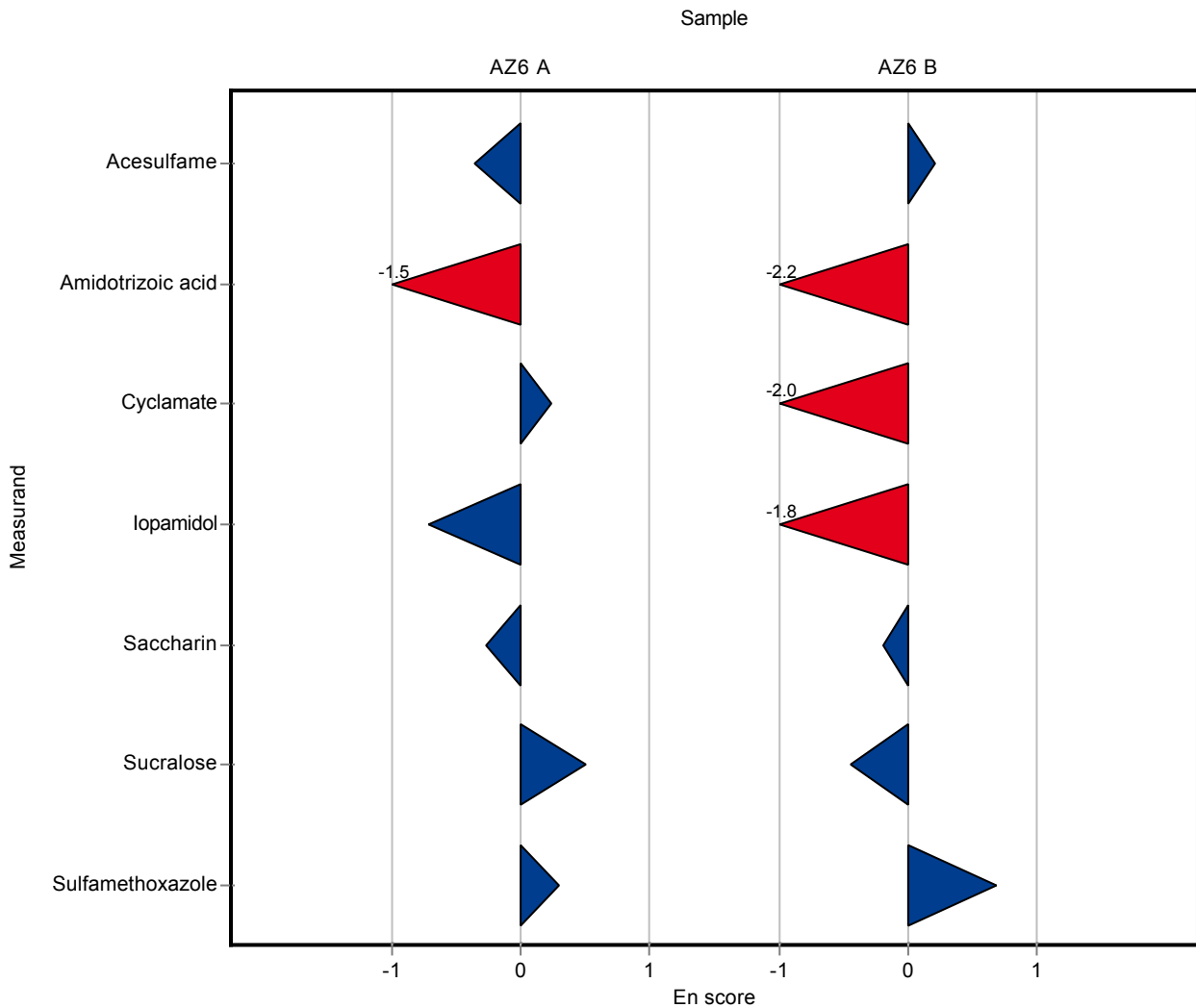
Sample: AZ6A

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	0.133 ± 0.0101	0.128 ± 0.00499	0.0253	96.2	-0.35
Amidotrizoic acid	µg/l	0.162 ± 0.0256	0.0942 ± 0.01856	0.0443	58.1	-1.51
Atenolol	µg/l	0.14 ± 0.0199	- ± -	0.0315	-	-
Benzotriazole	µg/l	0.151 ± 0.00939	- ± -	0.0197	-	-
Bisoprolol	µg/l	- ± -	- ± -	-	-	-
Carbamazepine	µg/l	0.131 ± 0.00341	- ± -	0.0184	-	-
Cyclamate	µg/l	0.0645 ± 0.0127	0.0769 ± 0.02547	0.0211	119	0.24
Diazepam	µg/l	- ± -	- ± -	-	-	-
Diclofenac	µg/l	0.142 ± 0.0135	- ± -	0.0262	-	-
Ibuprofen	µg/l	0.479 ± 0.00947	- ± -	0.0479	-	-
Iopamidol	µg/l	0.229 ± 0.0332	0.177 ± 0.03229	0.0599	77.2	-0.72
Metoprolol	µg/l	0.0984 ± 0.0113	- ± -	0.0256	-	-
Saccharin	µg/l	0.0501 ± 0.00946	0.0452 ± 0.00802	0.0134	90.2	-0.27
Sotalol	µg/l	0.184 ± 0.0207	- ± -	0.0374	-	-
Sucralose	µg/l	0.26 ± 0.0491	0.3979 ± 0.13362	0.0832	153	0.51
Sulfamethoxazole	µg/l	0.0507 ± 0.00354	0.05313 ± 0.00366	0.00613	105	0.30

Sample: AZ6B

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	19 ± 2	19.4099 ± 0.34161	3.75	102	0.21
Amidotrizoic acid	µg/l	0.986 ± 0.0861	0.457 ± 0.11033	0.197	46.4	-2.23
Atenolol	µg/l	0.515 ± 0.0904	- ± -	0.15	-	-
Benzotriazole	µg/l	7.82 ± 0.351	- ± -	1.02	-	-
Bisoprolol	µg/l	- ± -	- ± -	-	-	-
Carbamazepine	µg/l	0.387 ± 0.0241	- ± -	0.0542	-	-
Cyclamate	µg/l	0.146 ± 0.0396	0.0641 ± 0.00694	0.0656	43.9	-1.95

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion Recovery [%]	En-Score
Diazepam	µg/l	0.307 ± 0.0387	- ± -	0.0512	-
Diclofenac	µg/l	2.48 ± 0.148	- ± -	0.348	-
Ibuprofen	µg/l	- ± -	- ± -	-	-
Iopamidol	µg/l	8.33 ± 1	5.753 ± 0.51777	1.67	69.1
Metoprolol	µg/l	0.251 ± 0.0352	- ± -	0.0654	-
Saccharin	µg/l	0.697 ± 0.0403	0.6739 ± 0.05566	0.167	96.7
Sotalol	µg/l	0.202 ± 0.0319	- ± -	0.0575	-
Sucralose	µg/l	7.71 ± 1.06	5.8731 ± 1.97219	2.47	76.2
Sulfamethoxazole	µg/l	0.0362 ± 0.00253	0.04045 ± 0.00278	0.00435	112



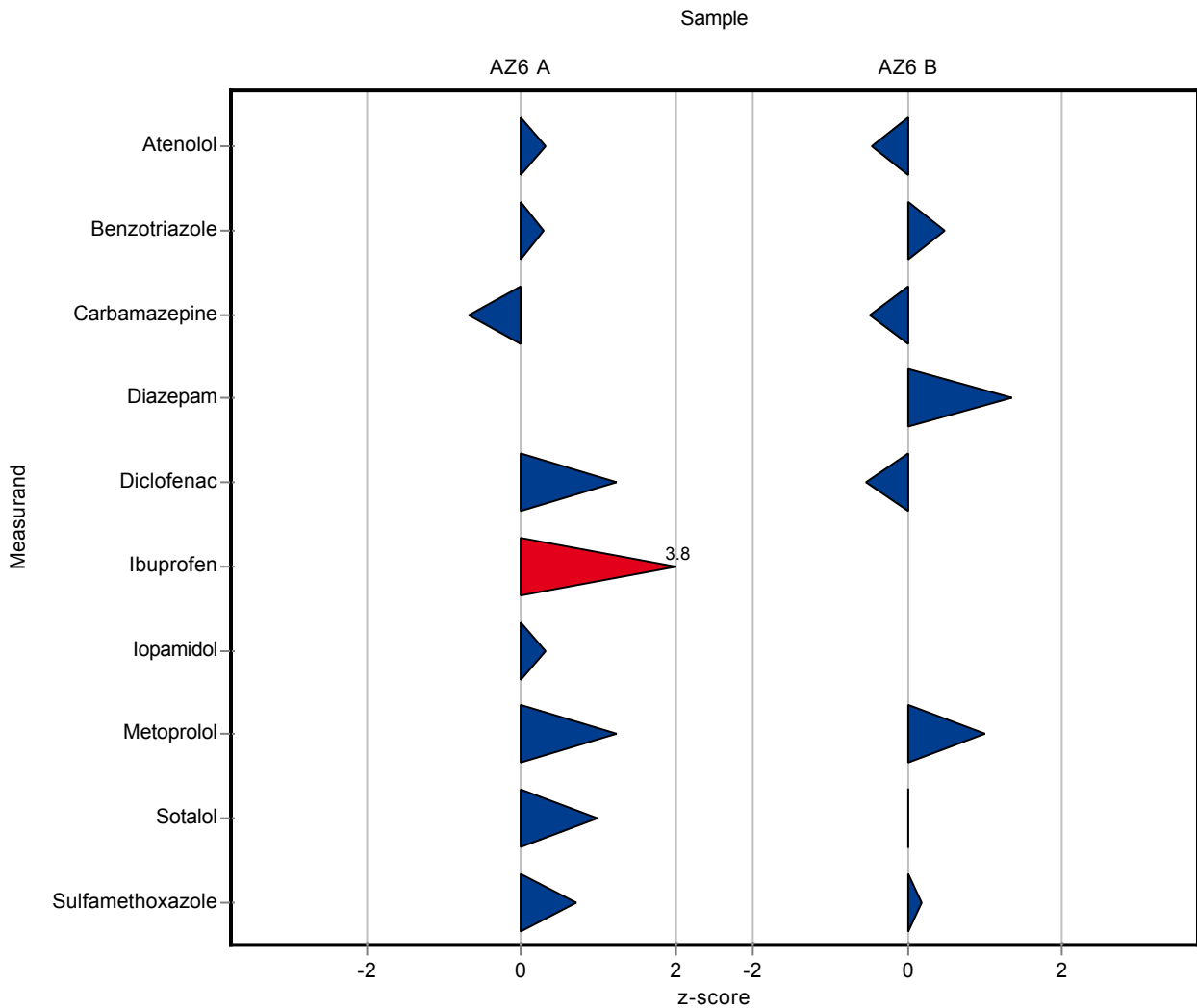
Sample: AZ6A

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	0.133 ± 0.0101	- ± -	0.0253	-	-
Amidotrizoic acid	µg/l	0.162 ± 0.0256	- ± -	0.0443	-	-
Atenolol	µg/l	0.14 ± 0.0199	0.15 ± 0.045	0.0315	107	0.31
Benzotriazole	µg/l	0.151 ± 0.00939	0.157 ± 0.047	0.0197	104	0.29
Bisoprolol	µg/l	- ± -	- ± -	-	-	-
Carbamazepine	µg/l	0.131 ± 0.00341	0.119 ± 0.042	0.0184	90.6	-0.67
Cyclamate	µg/l	0.0645 ± 0.0127	- ± -	0.0211	-	-
Diazepam	µg/l	- ± -	<0.01 (LOQ) ± -	-	-	-
Diclofenac	µg/l	0.142 ± 0.0135	0.174 ± 0.052	0.0262	123	1.23
Ibuprofen	µg/l	0.479 ± 0.00947	0.661 ± 0.198	0.0479	138	3.81
Iopamidol	µg/l	0.229 ± 0.0332	0.248 ± 0.075	0.0599	108	0.31
Metoprolol	µg/l	0.0984 ± 0.0113	0.13 ± 0.039	0.0256	132	1.23
Saccharin	µg/l	0.0501 ± 0.00946	- ± -	0.0134	-	-
Sotalol	µg/l	0.184 ± 0.0207	0.221 ± 0.066	0.0374	120	1.00
Sucralose	µg/l	0.26 ± 0.0491	- ± -	0.0832	-	-
Sulfamethoxazole	µg/l	0.0507 ± 0.00354	0.055 ± 0.016	0.00613	109	0.70

Sample: AZ6B

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	19 ± 2	- ± -	3.75	-	-
Amidotrizoic acid	µg/l	0.986 ± 0.0861	- ± -	0.197	-	-
Atenolol	µg/l	0.515 ± 0.0904	0.443 ± 0.133	0.15	86.1	-0.48
Benzotriazole	µg/l	7.82 ± 0.351	8.317 ± 2.495	1.02	106	0.49
Bisoprolol	µg/l	- ± -	- ± -	-	-	-
Carbamazepine	µg/l	0.387 ± 0.0241	0.36 ± 0.126	0.0542	93	-0.50
Cyclamate	µg/l	0.146 ± 0.0396	- ± -	0.0656	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion Recovery	Recovery [%]	z-Score
Diazepam	µg/l	0.307 ± 0.0387	0.376 ± 0.113	0.0512	122	1.34
Diclofenac	µg/l	2.48 ± 0.148	2.298 ± 0.689	0.348	92.5	-0.54
Ibuprofen	µg/l	- ± -	- ± -	-	-	-
Iopamidol	µg/l	8.33 ± 1	- ± -	1.67	-	-
Metoprolol	µg/l	0.251 ± 0.0352	0.317 ± 0.095	0.0654	126	1.00
Saccharin	µg/l	0.697 ± 0.0403	- ± -	0.167	-	-
Sotalol	µg/l	0.202 ± 0.0319	0.203 ± 0.061	0.0575	100	0.01
Sucralose	µg/l	7.71 ± 1.06	- ± -	2.47	-	-
Sulfamethoxazole	µg/l	0.0362 ± 0.00253	0.037 ± 0.011	0.00435	102	0.17



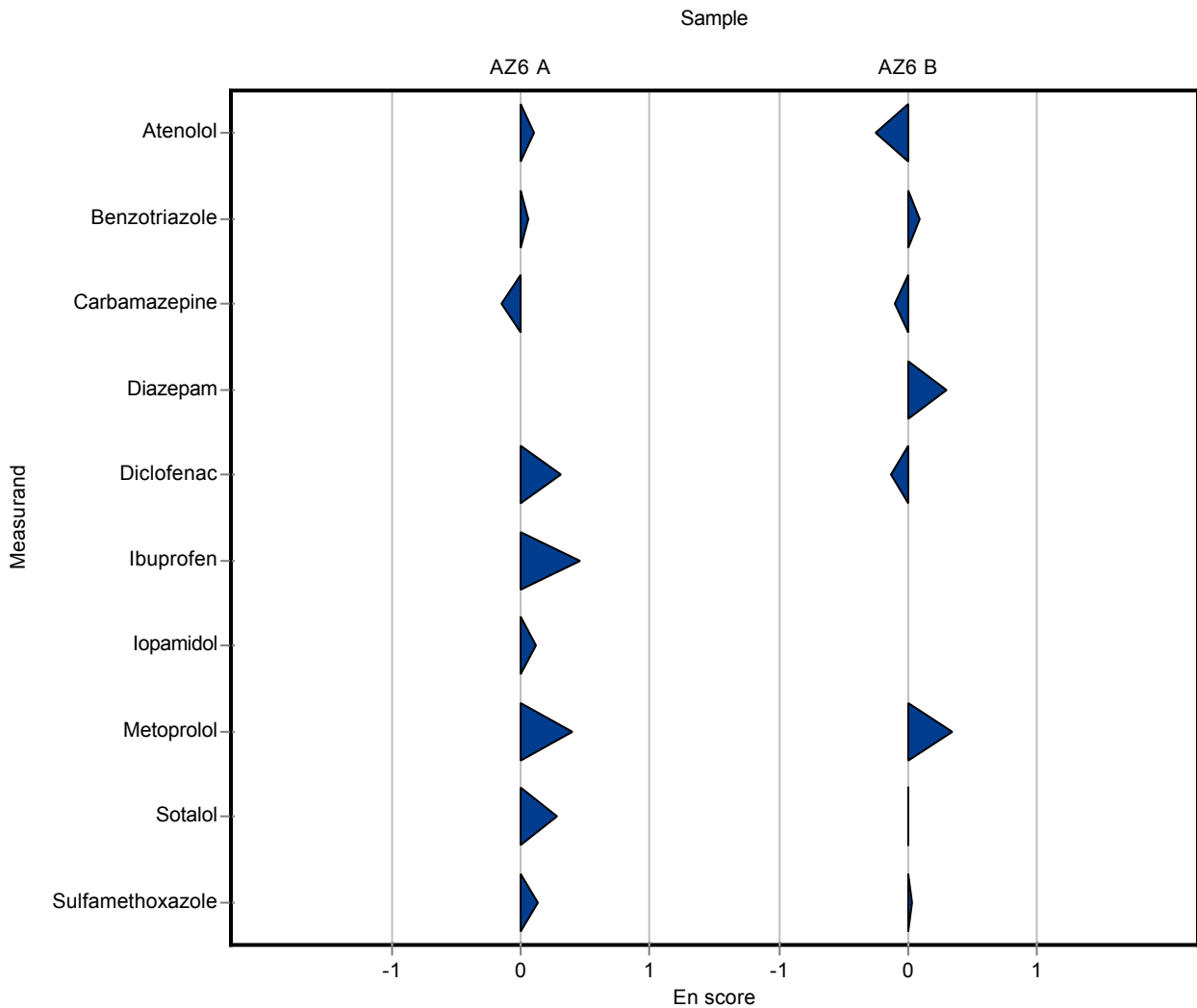
Sample: AZ6A

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	0.133 ± 0.0101	- ± -	0.0253	-	-
Amidotrizoic acid	µg/l	0.162 ± 0.0256	- ± -	0.0443	-	-
Atenolol	µg/l	0.14 ± 0.0199	0.15 ± 0.045	0.0315	107	0.10
Benzotriazole	µg/l	0.151 ± 0.00939	0.157 ± 0.047	0.0197	104	0.06
Bisoprolol	µg/l	- ± -	- ± -	-	-	-
Carbamazepine	µg/l	0.131 ± 0.00341	0.119 ± 0.042	0.0184	90.6	-0.15
Cyclamate	µg/l	0.0645 ± 0.0127	- ± -	0.0211	-	-
Diazepam	µg/l	- ± -	<0.01 (LOQ) ± -	-	-	-
Diclofenac	µg/l	0.142 ± 0.0135	0.174 ± 0.052	0.0262	123	0.31
Ibuprofen	µg/l	0.479 ± 0.00947	0.661 ± 0.198	0.0479	138	0.46
Iopamidol	µg/l	0.229 ± 0.0332	0.248 ± 0.075	0.0599	108	0.12
Metoprolol	µg/l	0.0984 ± 0.0113	0.13 ± 0.039	0.0256	132	0.40
Saccharin	µg/l	0.0501 ± 0.00946	- ± -	0.0134	-	-
Sotalol	µg/l	0.184 ± 0.0207	0.221 ± 0.066	0.0374	120	0.28
Sucralose	µg/l	0.26 ± 0.0491	- ± -	0.0832	-	-
Sulfamethoxazole	µg/l	0.0507 ± 0.00354	0.055 ± 0.016	0.00613	109	0.13

Sample: AZ6B

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	19 ± 2	- ± -	3.75	-	-
Amidotrizoic acid	µg/l	0.986 ± 0.0861	- ± -	0.197	-	-
Atenolol	µg/l	0.515 ± 0.0904	0.443 ± 0.133	0.15	86.1	-0.26
Benzotriazole	µg/l	7.82 ± 0.351	8.317 ± 2.495	1.02	106	0.10
Bisoprolol	µg/l	- ± -	- ± -	-	-	-
Carbamazepine	µg/l	0.387 ± 0.0241	0.36 ± 0.126	0.0542	93	-0.11
Cyclamate	µg/l	0.146 ± 0.0396	- ± -	0.0656	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion Recovery	En-Score [%]
Diazepam	µg/l	0.307 ± 0.0387	0.376 ± 0.113	0.0512	122
Diclofenac	µg/l	2.48 ± 0.148	2.298 ± 0.689	0.348	92.5
Ibuprofen	µg/l	- ± -	- ± -	-	-
Iopamidol	µg/l	8.33 ± 1	- ± -	1.67	-
Metoprolol	µg/l	0.251 ± 0.0352	0.317 ± 0.095	0.0654	126
Saccharin	µg/l	0.697 ± 0.0403	- ± -	0.167	-
Sotalol	µg/l	0.202 ± 0.0319	0.203 ± 0.061	0.0575	100
Sucralose	µg/l	7.71 ± 1.06	- ± -	2.47	-
Sulfamethoxazole	µg/l	0.0362 ± 0.00253	0.037 ± 0.011	0.00435	102



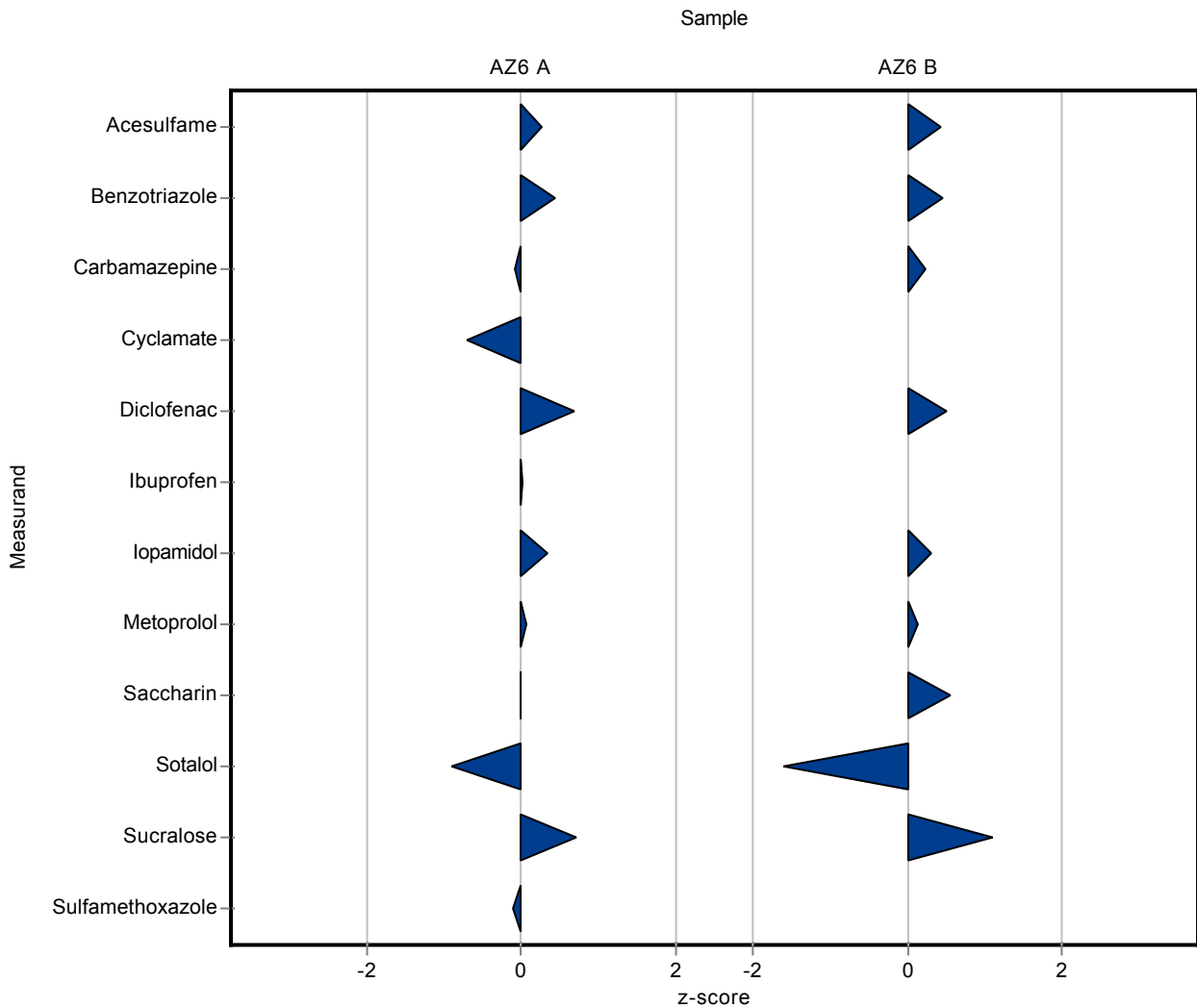
Sample: AZ6A

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	0.133 ± 0.0101	0.14 ± 0.03	0.0253	105	0.28
Amidotrizoic acid	µg/l	0.162 ± 0.0256	- ± -	0.0443	-	-
Atenolol	µg/l	0.14 ± 0.0199	- ± -	0.0315	-	-
Benzotriazole	µg/l	0.151 ± 0.00939	0.16 ± 0.03	0.0197	106	0.44
Bisoprolol	µg/l	- ± -	- ± -	-	-	-
Carbamazepine	µg/l	0.131 ± 0.00341	0.13 ± 0.03	0.0184	98.9	-0.08
Cyclamate	µg/l	0.0645 ± 0.0127	0.05 ± 0.01	0.0211	77.5	-0.69
Diazepam	µg/l	- ± -	- ± -	-	-	-
Diclofenac	µg/l	0.142 ± 0.0135	0.16 ± 0.03	0.0262	113	0.70
Ibuprofen	µg/l	0.479 ± 0.00947	0.48 ± 0.1	0.0479	100	0.03
Iopamidol	µg/l	0.229 ± 0.0332	0.25 ± 0.05	0.0599	109	0.34
Metoprolol	µg/l	0.0984 ± 0.0113	0.1 ± 0.02	0.0256	102	0.06
Saccharin	µg/l	0.0501 ± 0.00946	0.05 ± 0.01	0.0134	99.7	-0.01
Sotalol	µg/l	0.184 ± 0.0207	0.15 ± 0.03	0.0374	81.7	-0.90
Sucralose	µg/l	0.26 ± 0.0491	0.32 ± 0.06	0.0832	123	0.72
Sulfamethoxazole	µg/l	0.0507 ± 0.00354	0.05 ± 0.01	0.00613	98.7	-0.11

Sample: AZ6B

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	19 ± 2	20.53 ± 4.11	3.75	108	0.42
Amidotrizoic acid	µg/l	0.986 ± 0.0861	- ± -	0.197	-	-
Atenolol	µg/l	0.515 ± 0.0904	- ± -	0.15	-	-
Benzotriazole	µg/l	7.82 ± 0.351	8.28 ± 1.66	1.02	106	0.45
Bisoprolol	µg/l	- ± -	- ± -	-	-	-
Carbamazepine	µg/l	0.387 ± 0.0241	0.4 ± 0.08	0.0542	103	0.23
Cyclamate	µg/l	0.146 ± 0.0396	<0.2 (LOQ) ± -	0.0656	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion Recovery	Recovery [%]	z-Score
Diazepam	µg/l	0.307 ± 0.0387	- ± -	0.0512	-	-
Diclofenac	µg/l	2.48 ± 0.148	2.66 ± 0.53	0.348	107	0.50
Ibuprofen	µg/l	- ± -	0.21 ± 0.04	-	-	-
Iopamidol	µg/l	8.33 ± 1	8.82 ± 1.76	1.67	106	0.30
Metoprolol	µg/l	0.251 ± 0.0352	0.26 ± 0.05	0.0654	103	0.13
Saccharin	µg/l	0.697 ± 0.0403	0.79 ± 0.16	0.167	113	0.56
Sotalol	µg/l	0.202 ± 0.0319	0.11 ± 0.02	0.0575	54.4	-1.61
Sucralose	µg/l	7.71 ± 1.06	10.39 ± 2.08	2.47	135	1.09
Sulfamethoxazole	µg/l	0.0362 ± 0.00253	<0.2 (LOQ) ± -	0.00435	-	-



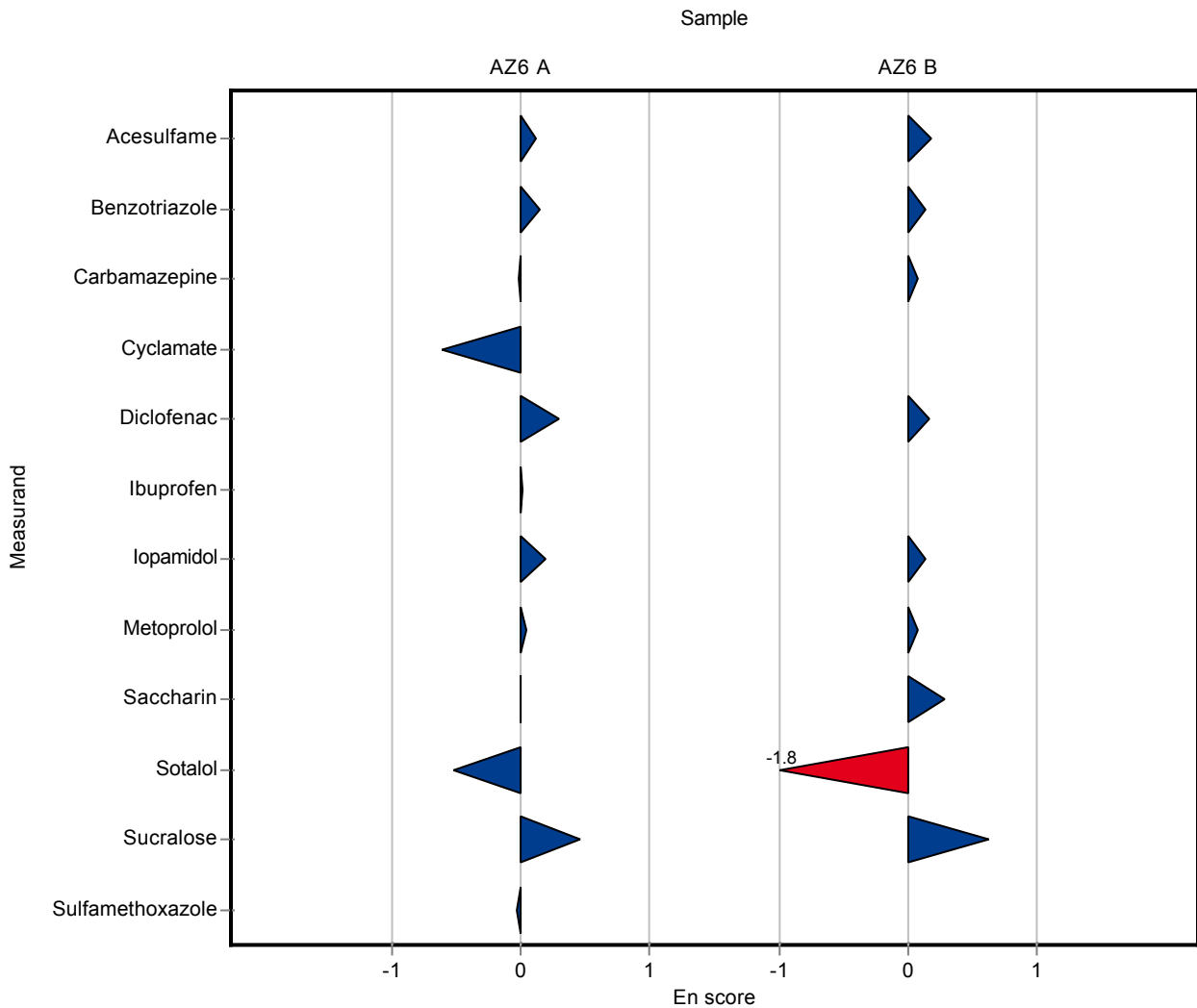
Sample: AZ6A

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	0.133 ± 0.0101	0.14 ± 0.03	0.0253	105	0.11
Amidotrizoic acid	µg/l	0.162 ± 0.0256	- ± -	0.0443	-	-
Atenolol	µg/l	0.14 ± 0.0199	- ± -	0.0315	-	-
Benzotriazole	µg/l	0.151 ± 0.00939	0.16 ± 0.03	0.0197	106	0.14
Bisoprolol	µg/l	- ± -	- ± -	-	-	-
Carbamazepine	µg/l	0.131 ± 0.00341	0.13 ± 0.03	0.0184	98.9	-0.02
Cyclamate	µg/l	0.0645 ± 0.0127	0.05 ± 0.01	0.0211	77.5	-0.61
Diazepam	µg/l	- ± -	- ± -	-	-	-
Diclofenac	µg/l	0.142 ± 0.0135	0.16 ± 0.03	0.0262	113	0.30
Ibuprofen	µg/l	0.479 ± 0.00947	0.48 ± 0.1	0.0479	100	0.01
Iopamidol	µg/l	0.229 ± 0.0332	0.25 ± 0.05	0.0599	109	0.20
Metoprolol	µg/l	0.0984 ± 0.0113	0.1 ± 0.02	0.0256	102	0.04
Saccharin	µg/l	0.0501 ± 0.00946	0.05 ± 0.01	0.0134	99.7	-0.01
Sotalol	µg/l	0.184 ± 0.0207	0.15 ± 0.03	0.0374	81.7	-0.53
Sucralose	µg/l	0.26 ± 0.0491	0.32 ± 0.06	0.0832	123	0.46
Sulfamethoxazole	µg/l	0.0507 ± 0.00354	0.05 ± 0.01	0.00613	98.7	-0.03

Sample: AZ6B

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	19 ± 2	20.53 ± 4.11	3.75	108	0.18
Amidotrizoic acid	µg/l	0.986 ± 0.0861	- ± -	0.197	-	-
Atenolol	µg/l	0.515 ± 0.0904	- ± -	0.15	-	-
Benzotriazole	µg/l	7.82 ± 0.351	8.28 ± 1.66	1.02	106	0.14
Bisoprolol	µg/l	- ± -	- ± -	-	-	-
Carbamazepine	µg/l	0.387 ± 0.0241	0.4 ± 0.08	0.0542	103	0.08
Cyclamate	µg/l	0.146 ± 0.0396	<0.2 (LOQ) ± -	0.0656	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion Recovery [%]	En-Score
Diazepam	µg/l	0.307 ± 0.0387	- ± -	0.0512	-
Diclofenac	µg/l	2.48 ± 0.148	2.66 ± 0.53	0.348	107
Ibuprofen	µg/l	- ± -	0.21 ± 0.04	-	-
Iopamidol	µg/l	8.33 ± 1	8.82 ± 1.76	1.67	106
Metoprolol	µg/l	0.251 ± 0.0352	0.26 ± 0.05	0.0654	103
Saccharin	µg/l	0.697 ± 0.0403	0.79 ± 0.16	0.167	113
Sotalol	µg/l	0.202 ± 0.0319	0.11 ± 0.02	0.0575	54.4
Sucralose	µg/l	7.71 ± 1.06	10.39 ± 2.08	2.47	135
Sulfamethoxazole	µg/l	0.0362 ± 0.00253	<0.2 (LOQ) ± -	0.00435	-



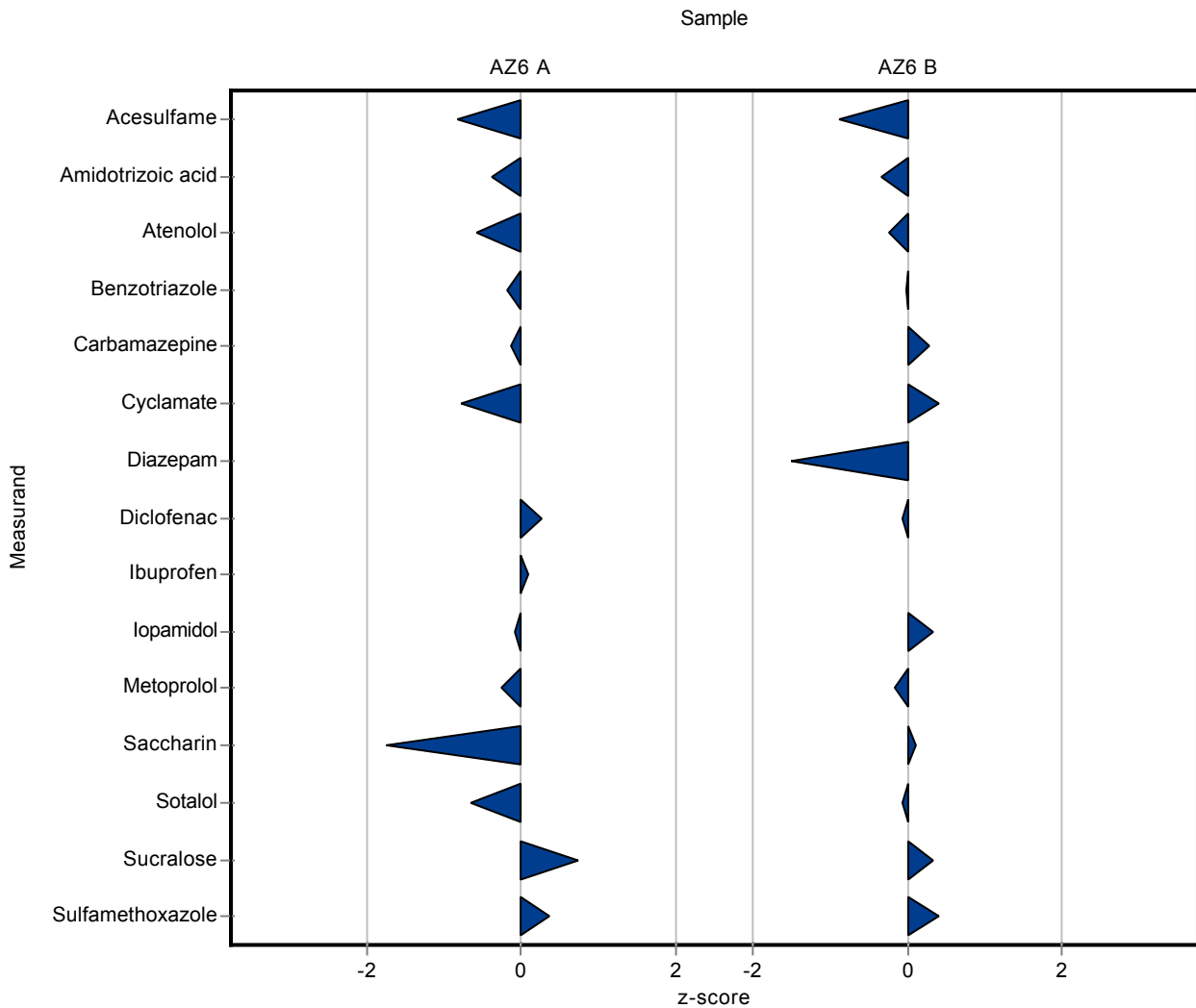
Sample: AZ6A

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	0.133 ± 0.0101	0.112 ± 0.02	0.0253	84.2	-0.83
Amidotrizoic acid	µg/l	0.162 ± 0.0256	0.145 ± 0.039	0.0443	89.4	-0.39
Atenolol	µg/l	0.14 ± 0.0199	0.122 ± 0.017	0.0315	87	-0.58
Benzotriazole	µg/l	0.151 ± 0.00939	0.148 ± 0.019	0.0197	97.8	-0.17
Bisoprolol	µg/l	- ± -	- ± -	-	-	-
Carbamazepine	µg/l	0.131 ± 0.00341	0.129 ± 0.021	0.0184	98.2	-0.13
Cyclamate	µg/l	0.0645 ± 0.0127	0.048 ± 0.013	0.0211	74.4	-0.78
Diazepam	µg/l	- ± -	<0.01 (LOQ) ± -	-	-	-
Diclofenac	µg/l	0.142 ± 0.0135	0.149 ± 0.027	0.0262	105	0.28
Ibuprofen	µg/l	0.479 ± 0.00947	0.483 ± 0.048	0.0479	101	0.09
Iopamidol	µg/l	0.229 ± 0.0332	0.224 ± 0.056	0.0599	97.6	-0.09
Metoprolol	µg/l	0.0984 ± 0.0113	0.092 ± 0.021	0.0256	93.5	-0.25
Saccharin	µg/l	0.0501 ± 0.00946	0.027 ± 0.007	0.0134	53.9	-1.73
Sotalol	µg/l	0.184 ± 0.0207	0.159 ± 0.032	0.0374	86.6	-0.66
Sucralose	µg/l	0.26 ± 0.0491	0.321 ± 0.064	0.0832	123	0.73
Sulfamethoxazole	µg/l	0.0507 ± 0.00354	0.053 ± 0.01	0.00613	105	0.38

Sample: AZ6B

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	19 ± 2	15.6 ± 2.81	3.75	82.2	-0.90
Amidotrizoic acid	µg/l	0.986 ± 0.0861	0.92 ± 0.248	0.197	93.3	-0.33
Atenolol	µg/l	0.515 ± 0.0904	0.478 ± 0.067	0.15	92.9	-0.24
Benzotriazole	µg/l	7.82 ± 0.351	7.79 ± 1.01	1.02	99.6	-0.03
Bisoprolol	µg/l	- ± -	- ± -	-	-	-
Carbamazepine	µg/l	0.387 ± 0.0241	0.402 ± 0.064	0.0542	104	0.27
Cyclamate	µg/l	0.146 ± 0.0396	0.173 ± 0.047	0.0656	118	0.41

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Diazepam	µg/l	0.307 ± 0.0387	0.23 ± 0.074	0.0512	74.9	-1.51
Diclofenac	µg/l	2.48 ± 0.148	2.46 ± 0.44	0.348	99	-0.07
Ibuprofen	µg/l	- ± -	0.071 ± 0.007	-	-	-
Iopamidol	µg/l	8.33 ± 1	8.89 ± 2.22	1.67	107	0.34
Metoprolol	µg/l	0.251 ± 0.0352	0.241 ± 0.055	0.0654	95.9	-0.16
Saccharin	µg/l	0.697 ± 0.0403	0.715 ± 0.179	0.167	103	0.11
Sotalol	µg/l	0.202 ± 0.0319	0.198 ± 0.04	0.0575	97.8	-0.08
Sucralose	µg/l	7.71 ± 1.06	8.52 ± 1.7	2.47	111	0.33
Sulfamethoxazole	µg/l	0.0362 ± 0.00253	0.038 ± 0.007	0.00435	105	0.40



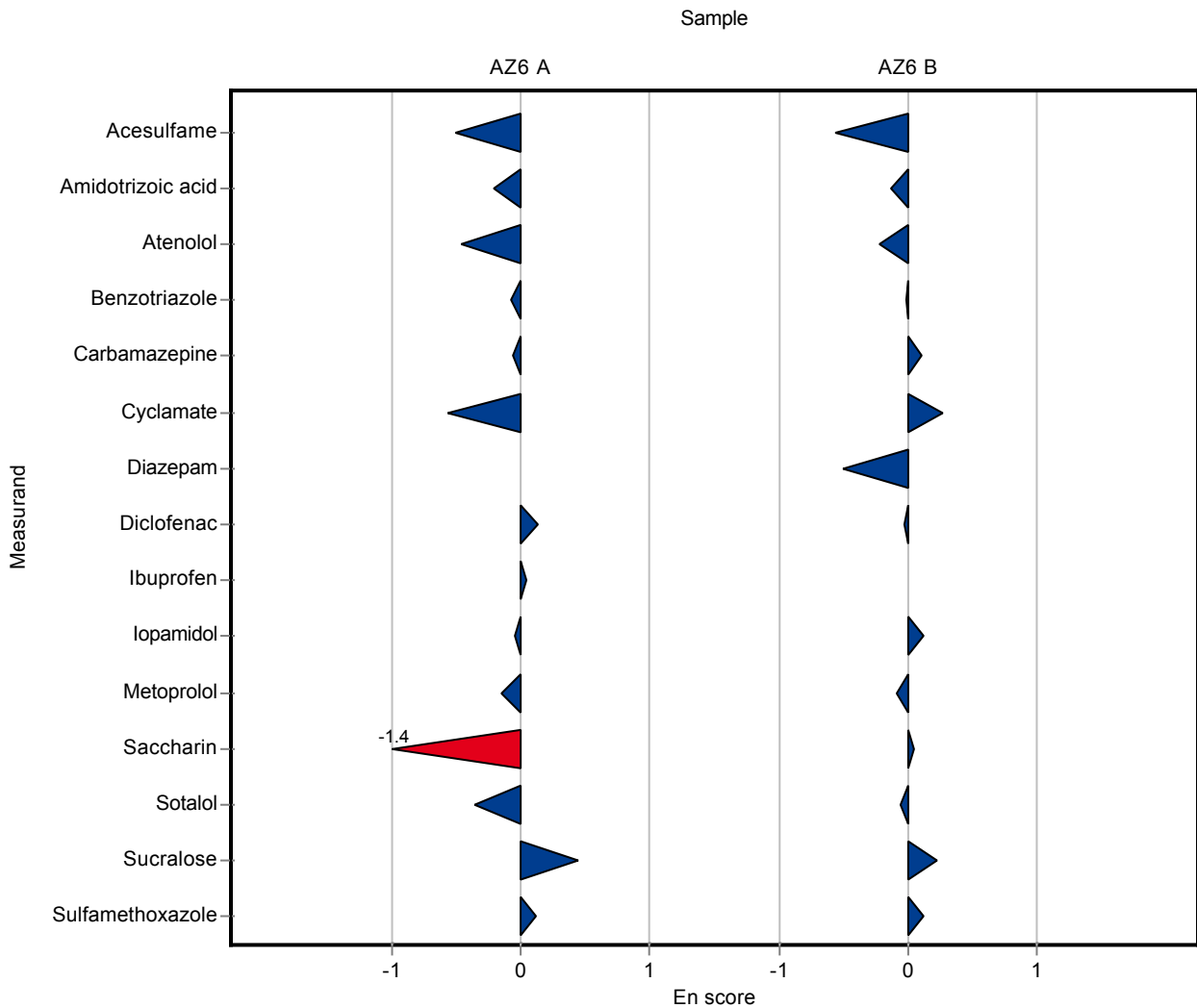
Sample: AZ6A

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	0.133 ± 0.0101	0.112 ± 0.02	0.0253	84.2	-0.51
Amidotrizoic acid	µg/l	0.162 ± 0.0256	0.145 ± 0.039	0.0443	89.4	-0.21
Atenolol	µg/l	0.14 ± 0.0199	0.122 ± 0.017	0.0315	87	-0.46
Benzotriazole	µg/l	0.151 ± 0.00939	0.148 ± 0.019	0.0197	97.8	-0.08
Bisoprolol	µg/l	- ± -	- ± -	-	-	-
Carbamazepine	µg/l	0.131 ± 0.00341	0.129 ± 0.021	0.0184	98.2	-0.06
Cyclamate	µg/l	0.0645 ± 0.0127	0.048 ± 0.013	0.0211	74.4	-0.57
Diazepam	µg/l	- ± -	<0.01 (LOQ) ± -	-	-	-
Diclofenac	µg/l	0.142 ± 0.0135	0.149 ± 0.027	0.0262	105	0.13
Ibuprofen	µg/l	0.479 ± 0.00947	0.483 ± 0.048	0.0479	101	0.05
Iopamidol	µg/l	0.229 ± 0.0332	0.224 ± 0.056	0.0599	97.6	-0.05
Metoprolol	µg/l	0.0984 ± 0.0113	0.092 ± 0.021	0.0256	93.5	-0.15
Saccharin	µg/l	0.0501 ± 0.00946	0.027 ± 0.007	0.0134	53.9	-1.37
Sotalol	µg/l	0.184 ± 0.0207	0.159 ± 0.032	0.0374	86.6	-0.37
Sucralose	µg/l	0.26 ± 0.0491	0.321 ± 0.064	0.0832	123	0.45
Sulfamethoxazole	µg/l	0.0507 ± 0.00354	0.053 ± 0.01	0.00613	105	0.11

Sample: AZ6B

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	19 ± 2	15.6 ± 2.81	3.75	82.2	-0.56
Amidotrizoic acid	µg/l	0.986 ± 0.0861	0.92 ± 0.248	0.197	93.3	-0.13
Atenolol	µg/l	0.515 ± 0.0904	0.478 ± 0.067	0.15	92.9	-0.23
Benzotriazole	µg/l	7.82 ± 0.351	7.79 ± 1.01	1.02	99.6	-0.02
Bisoprolol	µg/l	- ± -	- ± -	-	-	-
Carbamazepine	µg/l	0.387 ± 0.0241	0.402 ± 0.064	0.0542	104	0.11
Cyclamate	µg/l	0.146 ± 0.0396	0.173 ± 0.047	0.0656	118	0.27

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion Recovery	En-Score [%]
Diazepam	µg/l	0.307 ± 0.0387	0.23 ± 0.074	0.0512	74.9 -0.51
Diclofenac	µg/l	2.48 ± 0.148	2.46 ± 0.44	0.348	99 -0.03
Ibuprofen	µg/l	- ± -	0.071 ± 0.007	-	- -
Iopamidol	µg/l	8.33 ± 1	8.89 ± 2.22	1.67	107 0.12
Metoprolol	µg/l	0.251 ± 0.0352	0.241 ± 0.055	0.0654	95.9 -0.09
Saccharin	µg/l	0.697 ± 0.0403	0.715 ± 0.179	0.167	103 0.05
Sotalol	µg/l	0.202 ± 0.0319	0.198 ± 0.04	0.0575	97.8 -0.05
Sucralose	µg/l	7.71 ± 1.06	8.52 ± 1.7	2.47	111 0.23
Sulfamethoxazole	µg/l	0.0362 ± 0.00253	0.038 ± 0.007	0.00435	105 0.12



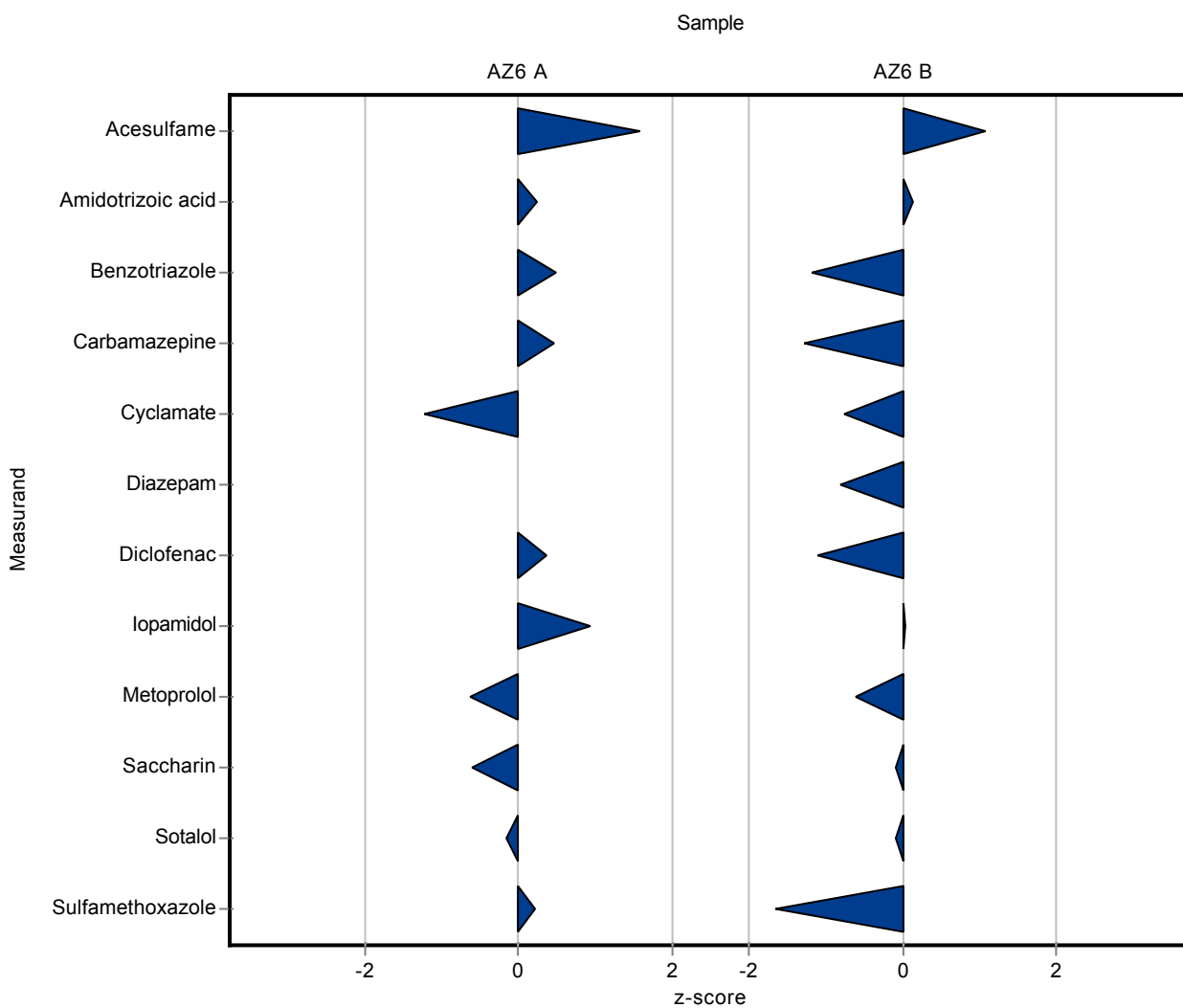
Sample: AZ6A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	µg/l	- ± -	0.048 ± 0.015	-	-	-
4-Formylaminoantipyrine	µg/l	- ± -	0.241 ± 0.053	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	- ± -	0.104 ± 0.028	-	-	-
Acesulfame	µg/l	0.133 ± 0.0101	0.173 ± 0.019	0.0253	130	1.58
Amidotrizoic acid	µg/l	0.162 ± 0.0256	0.173 ± 0.031	0.0443	107	0.25
Atenolol	µg/l	0.14 ± 0.0199	- ± -	0.0315	-	-
Benzotriazole	µg/l	0.151 ± 0.00939	0.161 ± 0.055	0.0197	106	0.49
Bisoprolol	µg/l	- ± -	- ± -	-	-	-
Carbamazepine	µg/l	0.131 ± 0.00341	0.14 ± 0.053	0.0184	107	0.47
Cyclamate	µg/l	0.0645 ± 0.0127	0.039 ± 0.007	0.0211	60.4	-1.21
Diazepam	µg/l	- ± -	<0.01 (LOQ) ± -	-	-	-
Diclofenac	µg/l	0.142 ± 0.0135	0.151 ± 0.039	0.0262	107	0.36
Ibuprofen	µg/l	0.479 ± 0.00947	- ± -	0.0479	-	-
Iopamidol	µg/l	0.229 ± 0.0332	0.285 ± 0.077	0.0599	124	0.93
Metoprolol	µg/l	0.0984 ± 0.0113	0.0825 ± 0.025	0.0256	83.8	-0.62
Saccharin	µg/l	0.0501 ± 0.00946	0.042 ± 0.01	0.0134	83.8	-0.61
Sotalol	µg/l	0.184 ± 0.0207	0.178 ± 0.066	0.0374	96.9	-0.15
Sucralose	µg/l	0.26 ± 0.0491	- ± -	0.0832	-	-
Sulfamethoxazole	µg/l	0.0507 ± 0.00354	0.052 ± 0.018	0.00613	103	0.22

Sample: AZ6B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	µg/l	- ± -	6.26 ± 1.941	-	-	-
4-Formylaminoantipyrine	µg/l	- ± -	2.46 ± 0.541	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	- ± -	1.2 ± 0.324	-	-	-
Acesulfame	µg/l	19 ± 2	23 ± 2.53	3.75	121	1.08
Amidotrizoic acid	µg/l	0.986 ± 0.0861	1.01 ± 0.182	0.197	102	0.12
Atenolol	µg/l	0.515 ± 0.0904	- ± -	0.15	-	-
Benzotriazole	µg/l	7.82 ± 0.351	6.62 ± 2.251	1.02	84.6	-1.18
Bisoprolol	µg/l	- ± -	- ± -	-	-	-
Carbamazepine	µg/l	0.387 ± 0.0241	0.317 ± 0.12	0.0542	81.9	-1.30
Cyclamate	µg/l	0.146 ± 0.0396	0.096 ± 0.016	0.0656	65.7	-0.76

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Diazepam	µg/l	0.307 ± 0.0387	0.265 ± 0.061	0.0512	86.2	-0.82
Diclofenac	µg/l	2.48 ± 0.148	2.1 ± 0.546	0.348	84.5	-1.11
Ibuprofen	µg/l	- ± -	- ± -	-	-	-
Iopamidol	µg/l	8.33 ± 1	8.36 ± 2.257	1.67	100	0.02
Metoprolol	µg/l	0.251 ± 0.0352	0.211 ± 0.063	0.0654	83.9	-0.62
Saccharin	µg/l	0.697 ± 0.0403	0.68 ± 0.156	0.167	97.5	-0.10
Sotalol	µg/l	0.202 ± 0.0319	0.197 ± 0.073	0.0575	97.3	-0.09
Sucralose	µg/l	7.71 ± 1.06	- ± -	2.47	-	-
Sulfamethoxazole	µg/l	0.0362 ± 0.00253	0.029 ± 0.01	0.00435	80	-1.66



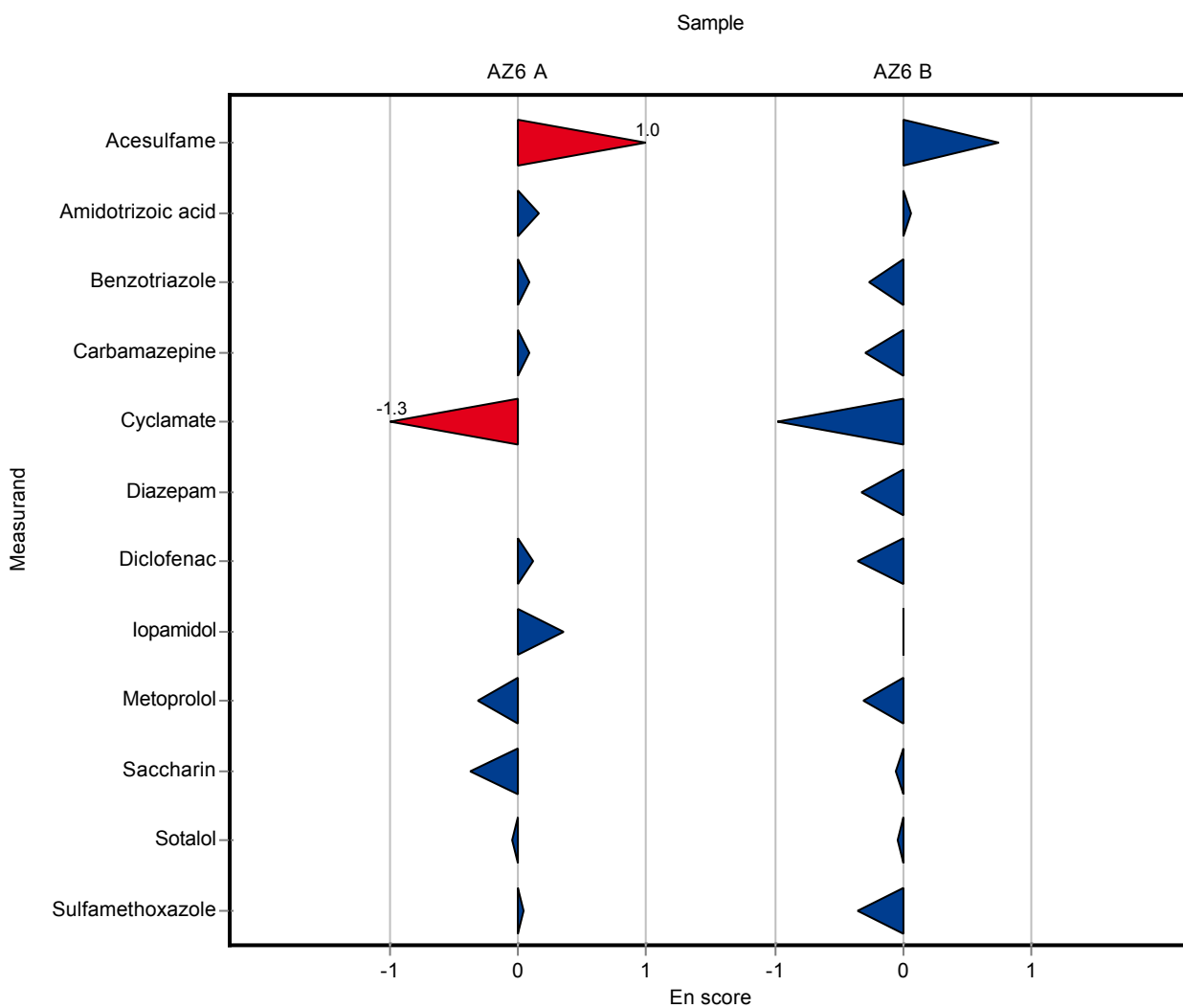
Sample: AZ6A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	µg/l	- ± -	0.048 ± 0.015	-	-	-
4-Formylaminoantipyrine	µg/l	- ± -	0.241 ± 0.053	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	- ± -	0.104 ± 0.028	-	-	-
Acesulfame	µg/l	0.133 ± 0.0101	0.173 ± 0.019	0.0253	130	1.02
Amidotrizoic acid	µg/l	0.162 ± 0.0256	0.173 ± 0.031	0.0443	107	0.16
Atenolol	µg/l	0.14 ± 0.0199	- ± -	0.0315	-	-
Benzotriazole	µg/l	0.151 ± 0.00939	0.161 ± 0.055	0.0197	106	0.09
Bisoprolol	µg/l	- ± -	- ± -	-	-	-
Carbamazepine	µg/l	0.131 ± 0.00341	0.14 ± 0.053	0.0184	107	0.08
Cyclamate	µg/l	0.0645 ± 0.0127	0.039 ± 0.007	0.0211	60.4	-1.35
Diazepam	µg/l	- ± -	<0.01 (LOQ) ± -	-	-	-
Diclofenac	µg/l	0.142 ± 0.0135	0.151 ± 0.039	0.0262	107	0.12
Ibuprofen	µg/l	0.479 ± 0.00947	- ± -	0.0479	-	-
Iopamidol	µg/l	0.229 ± 0.0332	0.285 ± 0.077	0.0599	124	0.35
Metoprolol	µg/l	0.0984 ± 0.0113	0.0825 ± 0.025	0.0256	83.8	-0.31
Saccharin	µg/l	0.0501 ± 0.00946	0.042 ± 0.01	0.0134	83.8	-0.37
Sotalol	µg/l	0.184 ± 0.0207	0.178 ± 0.066	0.0374	96.9	-0.04
Sucralose	µg/l	0.26 ± 0.0491	- ± -	0.0832	-	-
Sulfamethoxazole	µg/l	0.0507 ± 0.00354	0.052 ± 0.018	0.00613	103	0.04

Sample: AZ6B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	µg/l	- ± -	6.26 ± 1.941	-	-	-
4-Formylaminoantipyrine	µg/l	- ± -	2.46 ± 0.541	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	- ± -	1.2 ± 0.324	-	-	-
Acesulfame	µg/l	19 ± 2	23 ± 2.53	3.75	121	0.74
Amidotrizoic acid	µg/l	0.986 ± 0.0861	1.01 ± 0.182	0.197	102	0.06
Atenolol	µg/l	0.515 ± 0.0904	- ± -	0.15	-	-
Benzotriazole	µg/l	7.82 ± 0.351	6.62 ± 2.251	1.02	84.6	-0.27
Bisoprolol	µg/l	- ± -	- ± -	-	-	-
Carbamazepine	µg/l	0.387 ± 0.0241	0.317 ± 0.12	0.0542	81.9	-0.29
Cyclamate	µg/l	0.146 ± 0.0396	0.096 ± 0.016	0.0656	65.7	-0.98

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion Recovery	En-Score [%]
Diazepam	µg/l	0.307 ± 0.0387	0.265 ± 0.061	0.0512	86.2 -0.33
Diclofenac	µg/l	2.48 ± 0.148	2.1 ± 0.546	0.348	84.5 -0.35
Ibuprofen	µg/l	- ± -	- ± -	-	- -
Iopamidol	µg/l	8.33 ± 1	8.36 ± 2.257	1.67	100 0.01
Metoprolol	µg/l	0.251 ± 0.0352	0.211 ± 0.063	0.0654	83.9 -0.31
Saccharin	µg/l	0.697 ± 0.0403	0.68 ± 0.156	0.167	97.5 -0.05
Sotalol	µg/l	0.202 ± 0.0319	0.197 ± 0.073	0.0575	97.3 -0.04
Sucralose	µg/l	7.71 ± 1.06	- ± -	2.47	- -
Sulfamethoxazole	µg/l	0.0362 ± 0.00253	0.029 ± 0.01	0.00435	80 -0.36



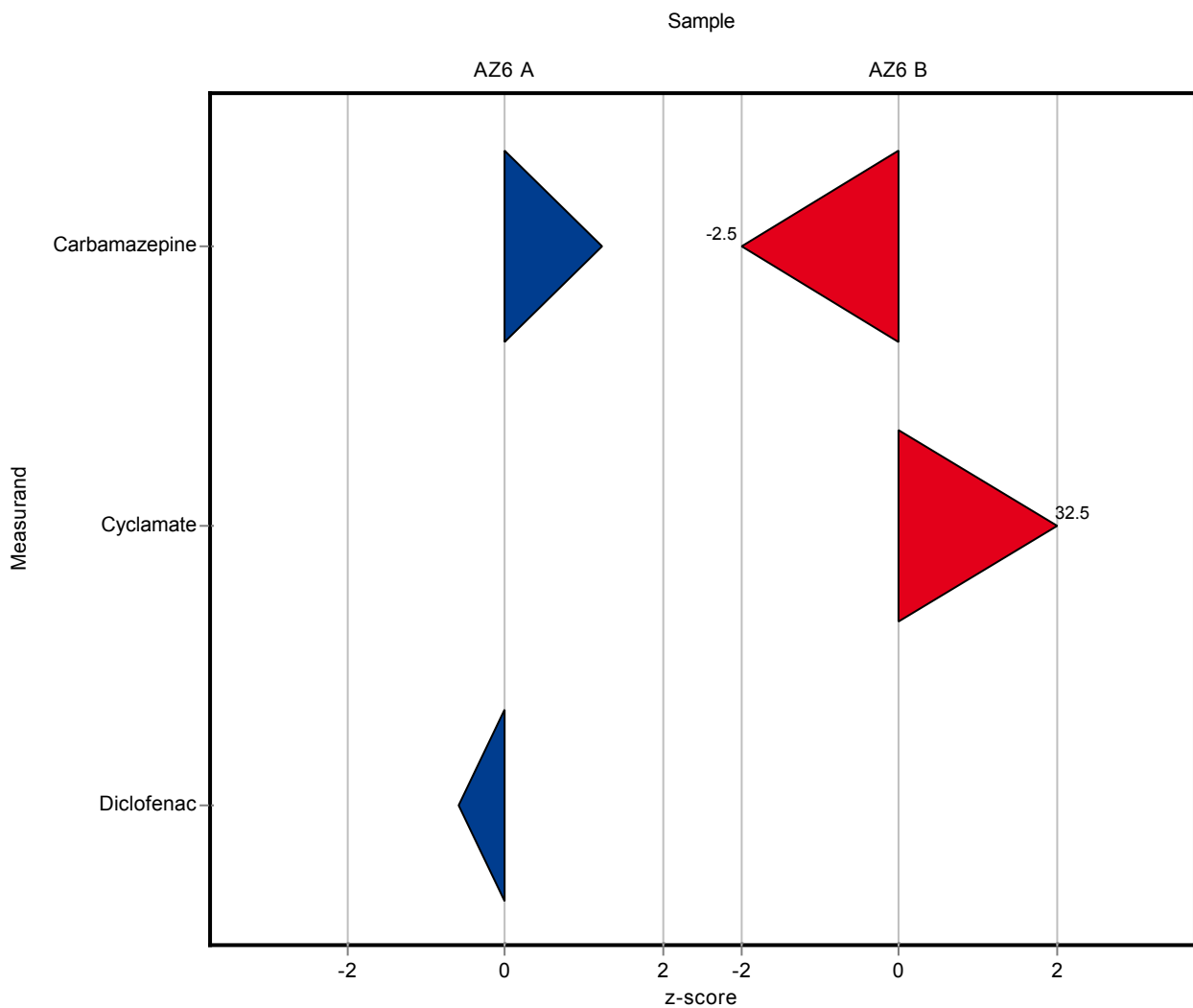
Sample: AZ6A

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	0.133 ± 0.0101	- ± -	0.0253	-	-
Amidotrizoic acid	µg/l	0.162 ± 0.0256	- ± -	0.0443	-	-
Atenolol	µg/l	0.14 ± 0.0199	- ± -	0.0315	-	-
Benzotriazole	µg/l	0.151 ± 0.00939	- ± -	0.0197	-	-
Bisoprolol	µg/l	- ± -	- ± -	-	-	-
Carbamazepine	µg/l	0.131 ± 0.00341	0.154 ± 24	0.0184	117	1.23
Cyclamate	µg/l	0.0645 ± 0.0127	- ± -	0.0211	-	-
Diazepam	µg/l	- ± -	- ± -	-	-	-
Diclofenac	µg/l	0.142 ± 0.0135	0.126 ± 24	0.0262	88.9	-0.60
Ibuprofen	µg/l	0.479 ± 0.00947	- ± -	0.0479	-	-
Iopamidol	µg/l	0.229 ± 0.0332	- ± -	0.0599	-	-
Metoprolol	µg/l	0.0984 ± 0.0113	- ± -	0.0256	-	-
Saccharin	µg/l	0.0501 ± 0.00946	- ± -	0.0134	-	-
Sotalol	µg/l	0.184 ± 0.0207	- ± -	0.0374	-	-
Sucralose	µg/l	0.26 ± 0.0491	- ± -	0.0832	-	-
Sulfamethoxazole	µg/l	0.0507 ± 0.00354	- ± -	0.00613	-	-

Sample: AZ6B

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	19 ± 2	- ± -	3.75	-	-
Amidotrizoic acid	µg/l	0.986 ± 0.0861	- ± -	0.197	-	-
Atenolol	µg/l	0.515 ± 0.0904	- ± -	0.15	-	-
Benzotriazole	µg/l	7.82 ± 0.351	- ± -	1.02	-	-
Bisoprolol	µg/l	- ± -	- ± -	-	-	-
Carbamazepine	µg/l	0.387 ± 0.0241	0.249 ± 24	0.0542	64.3	-2.55
Cyclamate	µg/l	0.146 ± 0.0396	2.28 ± 24	0.0656	1560	32.50

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion Recovery [%]	z-Score
Diazepam	µg/l	0.307 ± 0.0387	- ± -	0.0512	-
Diclofenac	µg/l	2.48 ± 0.148	- ± -	0.348	-
Ibuprofen	µg/l	- ± -	- ± -	-	-
Iopamidol	µg/l	8.33 ± 1	- ± -	1.67	-
Metoprolol	µg/l	0.251 ± 0.0352	- ± -	0.0654	-
Saccharin	µg/l	0.697 ± 0.0403	- ± -	0.167	-
Sotalol	µg/l	0.202 ± 0.0319	- ± -	0.0575	-
Sucralose	µg/l	7.71 ± 1.06	- ± -	2.47	-
Sulfamethoxazole	µg/l	0.0362 ± 0.00253	- ± -	0.00435	-



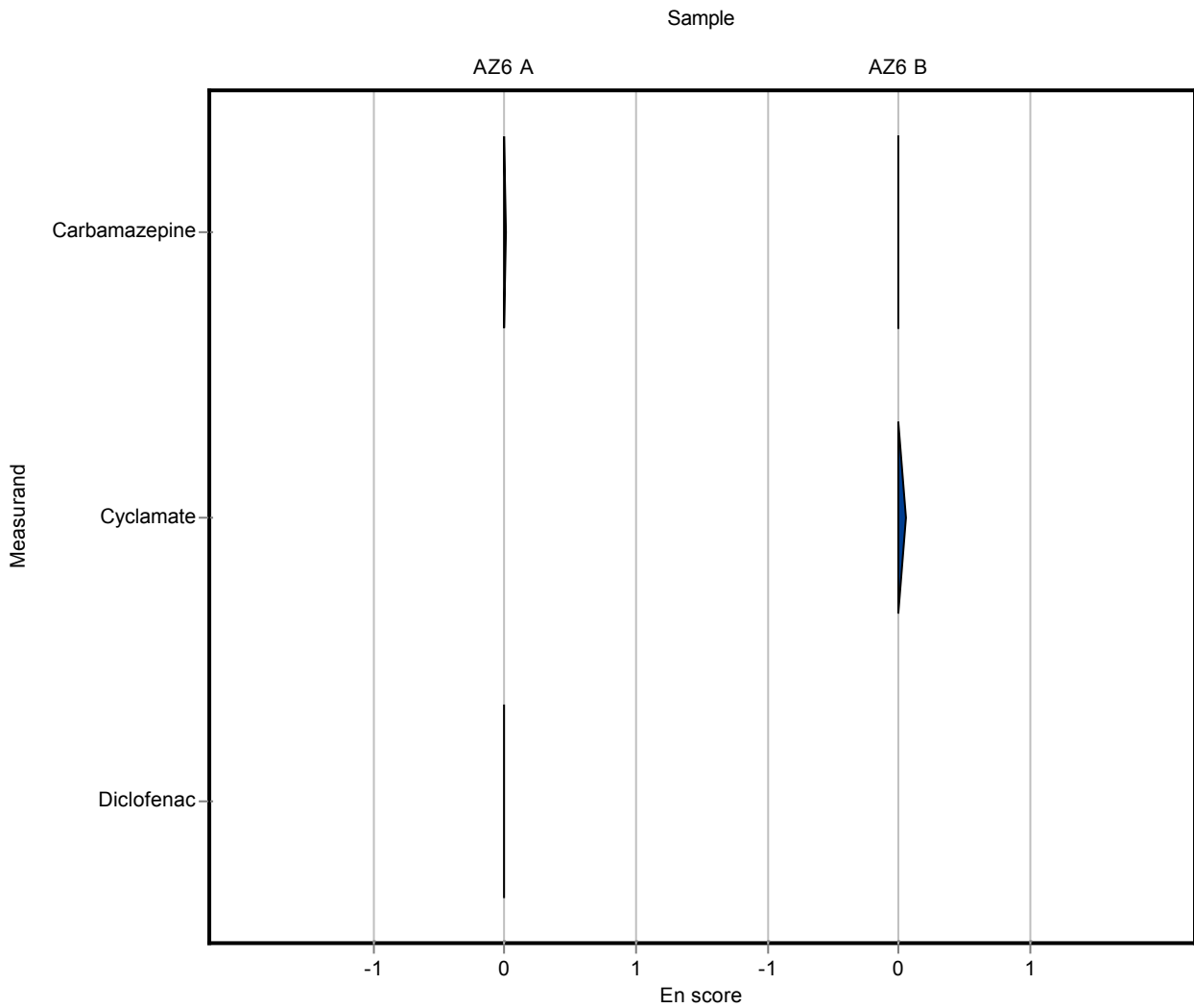
Sample: AZ6A

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	0.133 ± 0.0101	- ± -	0.0253	-	-
Amidotrizoic acid	µg/l	0.162 ± 0.0256	- ± -	0.0443	-	-
Atenolol	µg/l	0.14 ± 0.0199	- ± -	0.0315	-	-
Benzotriazole	µg/l	0.151 ± 0.00939	- ± -	0.0197	-	-
Bisoprolol	µg/l	- ± -	- ± -	-	-	-
Carbamazepine	µg/l	0.131 ± 0.00341	0.154 ± 24	0.0184	117	0.00
Cyclamate	µg/l	0.0645 ± 0.0127	- ± -	0.0211	-	-
Diazepam	µg/l	- ± -	- ± -	-	-	-
Diclofenac	µg/l	0.142 ± 0.0135	0.126 ± 24	0.0262	88.9	0.00
Ibuprofen	µg/l	0.479 ± 0.00947	- ± -	0.0479	-	-
Iopamidol	µg/l	0.229 ± 0.0332	- ± -	0.0599	-	-
Metoprolol	µg/l	0.0984 ± 0.0113	- ± -	0.0256	-	-
Saccharin	µg/l	0.0501 ± 0.00946	- ± -	0.0134	-	-
Sotalol	µg/l	0.184 ± 0.0207	- ± -	0.0374	-	-
Sucralose	µg/l	0.26 ± 0.0491	- ± -	0.0832	-	-
Sulfamethoxazole	µg/l	0.0507 ± 0.00354	- ± -	0.00613	-	-

Sample: AZ6B

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	19 ± 2	- ± -	3.75	-	-
Amidotrizoic acid	µg/l	0.986 ± 0.0861	- ± -	0.197	-	-
Atenolol	µg/l	0.515 ± 0.0904	- ± -	0.15	-	-
Benzotriazole	µg/l	7.82 ± 0.351	- ± -	1.02	-	-
Bisoprolol	µg/l	- ± -	- ± -	-	-	-
Carbamazepine	µg/l	0.387 ± 0.0241	0.249 ± 24	0.0542	64.3	0.00
Cyclamate	µg/l	0.146 ± 0.0396	2.28 ± 24	0.0656	1560	0.04

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion Recovery [%]	En-Score
Diazepam	µg/l	0.307 ± 0.0387	- ± -	0.0512	-
Diclofenac	µg/l	2.48 ± 0.148	- ± -	0.348	-
Ibuprofen	µg/l	- ± -	- ± -	-	-
Iopamidol	µg/l	8.33 ± 1	- ± -	1.67	-
Metoprolol	µg/l	0.251 ± 0.0352	- ± -	0.0654	-
Saccharin	µg/l	0.697 ± 0.0403	- ± -	0.167	-
Sotalol	µg/l	0.202 ± 0.0319	- ± -	0.0575	-
Sucralose	µg/l	7.71 ± 1.06	- ± -	2.47	-
Sulfamethoxazole	µg/l	0.0362 ± 0.00253	- ± -	0.00435	-



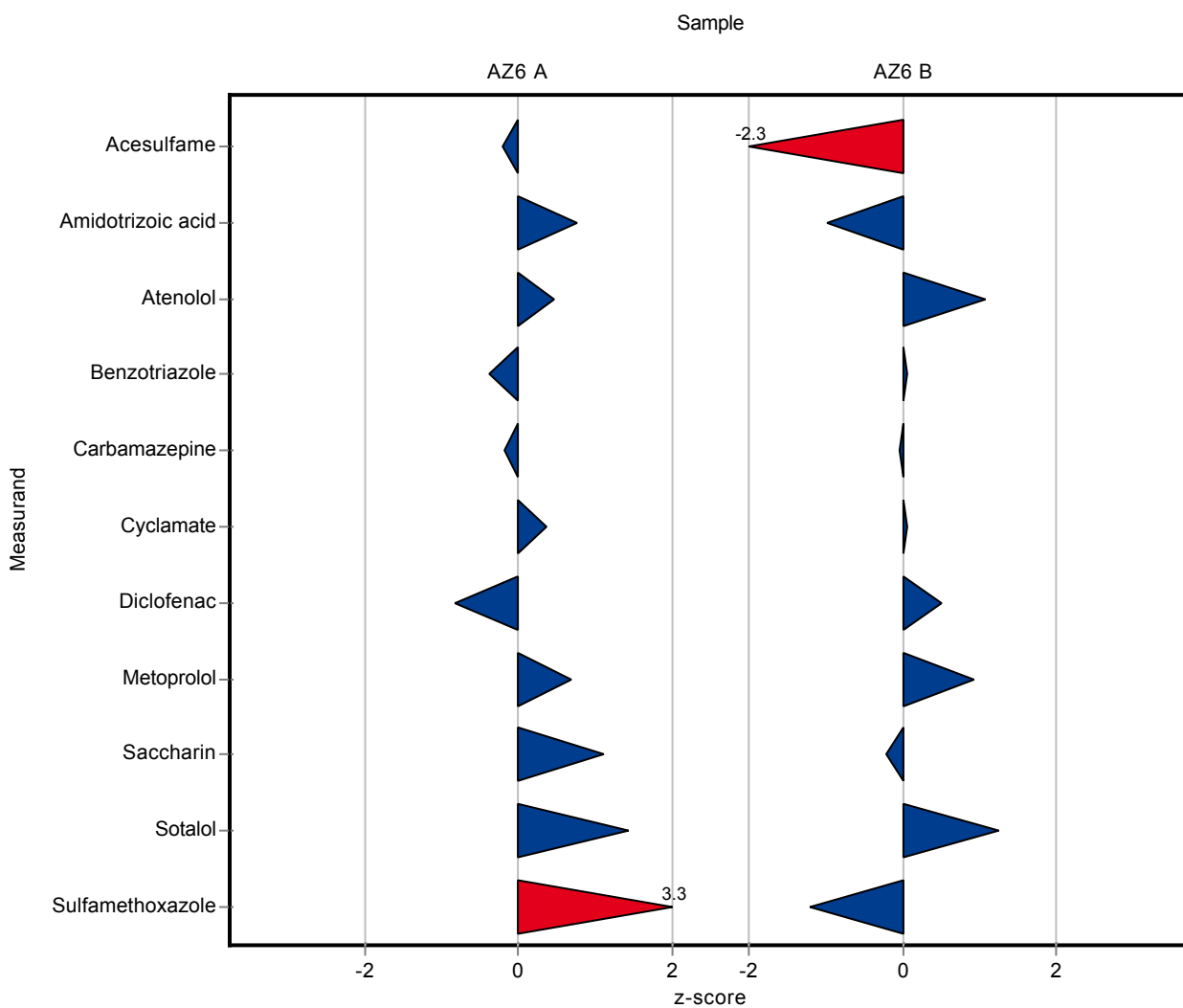
Sample: AZ6A

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	0.133 ± 0.0101	0.128 ± 0.026	0.0253	96.2	-0.20
Amidotrizoic acid	µg/l	0.162 ± 0.0256	0.196 ± 0.029	0.0443	121	0.77
Atenolol	µg/l	0.14 ± 0.0199	0.155 ± 0.02	0.0315	110	0.47
Benzotriazole	µg/l	0.151 ± 0.00939	0.144 ± 0.014	0.0197	95.2	-0.37
Bisoprolol	µg/l	- ± -	- ± -	-	-	-
Carbamazepine	µg/l	0.131 ± 0.00341	0.128 ± 0.013	0.0184	97.4	-0.18
Cyclamate	µg/l	0.0645 ± 0.0127	0.072 ± 0.009	0.0211	112	0.35
Diazepam	µg/l	- ± -	- ± -	-	-	-
Diclofenac	µg/l	0.142 ± 0.0135	0.12 ± 0.014	0.0262	84.7	-0.83
Ibuprofen	µg/l	0.479 ± 0.00947	- ± -	0.0479	-	-
Iopamidol	µg/l	0.229 ± 0.0332	- ± -	0.0599	-	-
Metoprolol	µg/l	0.0984 ± 0.0113	0.116 ± 0.012	0.0256	118	0.69
Saccharin	µg/l	0.0501 ± 0.00946	0.065 ± 0.008	0.0134	130	1.11
Sotalol	µg/l	0.184 ± 0.0207	0.237 ± 0.024	0.0374	129	1.43
Sucralose	µg/l	0.26 ± 0.0491	- ± -	0.0832	-	-
Sulfamethoxazole	µg/l	0.0507 ± 0.00354	0.071 ± 0.007	0.00613	140	3.32

Sample: AZ6B

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	19 ± 2	10.4 ± 2.09	3.75	54.8	-2.29
Amidotrizoic acid	µg/l	0.986 ± 0.0861	0.789 ± 0.118	0.197	80	-1.00
Atenolol	µg/l	0.515 ± 0.0904	0.676 ± 0.088	0.15	131	1.08
Benzotriazole	µg/l	7.82 ± 0.351	7.88 ± 0.781	1.02	101	0.06
Bisoprolol	µg/l	- ± -	- ± -	-	-	-
Carbamazepine	µg/l	0.387 ± 0.0241	0.385 ± 0.039	0.0542	99.4	-0.04
Cyclamate	µg/l	0.146 ± 0.0396	0.149 ± 0.018	0.0656	102	0.05

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Diazepam	µg/l	0.307 ± 0.0387	- ± -	0.0512	-	-
Diclofenac	µg/l	2.48 ± 0.148	2.663 ± 0.32	0.348	107	0.51
Ibuprofen	µg/l	- ± -	- ± -	-	-	-
Iopamidol	µg/l	8.33 ± 1	- ± -	1.67	-	-
Metoprolol	µg/l	0.251 ± 0.0352	0.311 ± 0.031	0.0654	124	0.91
Saccharin	µg/l	0.697 ± 0.0403	0.66 ± 0.079	0.167	94.7	-0.22
Sotalol	µg/l	0.202 ± 0.0319	0.274 ± 0.027	0.0575	135	1.25
Sucralose	µg/l	7.71 ± 1.06	- ± -	2.47	-	-
Sulfamethoxazole	µg/l	0.0362 ± 0.00253	0.031 ± 0.005	0.00435	85.5	-1.20



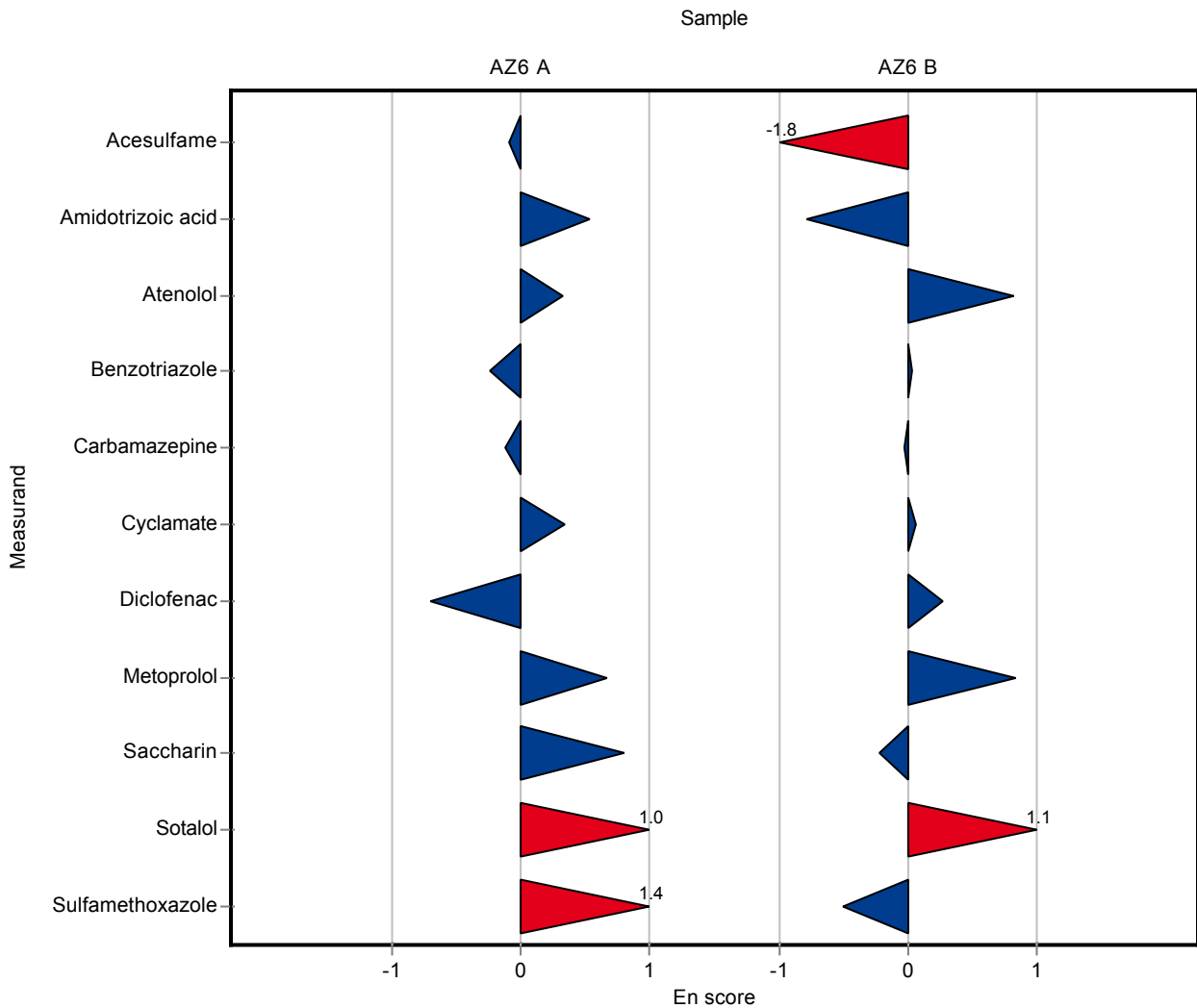
Sample: AZ6A

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	0.133 ± 0.0101	0.128 ± 0.026	0.0253	96.2	-0.10
Amidotrizoic acid	µg/l	0.162 ± 0.0256	0.196 ± 0.029	0.0443	121	0.54
Atenolol	µg/l	0.14 ± 0.0199	0.155 ± 0.02	0.0315	110	0.33
Benzotriazole	µg/l	0.151 ± 0.00939	0.144 ± 0.014	0.0197	95.2	-0.25
Bisoprolol	µg/l	- ± -	- ± -	-	-	-
Carbamazepine	µg/l	0.131 ± 0.00341	0.128 ± 0.013	0.0184	97.4	-0.13
Cyclamate	µg/l	0.0645 ± 0.0127	0.072 ± 0.009	0.0211	112	0.34
Diazepam	µg/l	- ± -	- ± -	-	-	-
Diclofenac	µg/l	0.142 ± 0.0135	0.12 ± 0.014	0.0262	84.7	-0.70
Ibuprofen	µg/l	0.479 ± 0.00947	- ± -	0.0479	-	-
Iopamidol	µg/l	0.229 ± 0.0332	- ± -	0.0599	-	-
Metoprolol	µg/l	0.0984 ± 0.0113	0.116 ± 0.012	0.0256	118	0.66
Saccharin	µg/l	0.0501 ± 0.00946	0.065 ± 0.008	0.0134	130	0.80
Sotalol	µg/l	0.184 ± 0.0207	0.237 ± 0.024	0.0374	129	1.02
Sucralose	µg/l	0.26 ± 0.0491	- ± -	0.0832	-	-
Sulfamethoxazole	µg/l	0.0507 ± 0.00354	0.071 ± 0.007	0.00613	140	1.41

Sample: AZ6B

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	19 ± 2	10.4 ± 2.09	3.75	54.8	-1.85
Amidotrizoic acid	µg/l	0.986 ± 0.0861	0.789 ± 0.118	0.197	80	-0.78
Atenolol	µg/l	0.515 ± 0.0904	0.676 ± 0.088	0.15	131	0.82
Benzotriazole	µg/l	7.82 ± 0.351	7.88 ± 0.781	1.02	101	0.04
Bisoprolol	µg/l	- ± -	- ± -	-	-	-
Carbamazepine	µg/l	0.387 ± 0.0241	0.385 ± 0.039	0.0542	99.4	-0.03
Cyclamate	µg/l	0.146 ± 0.0396	0.149 ± 0.018	0.0656	102	0.06

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion Recovery	En-Score [%]
Diazepam	µg/l	0.307 ± 0.0387	- ± -	0.0512	-
Diclofenac	µg/l	2.48 ± 0.148	2.663 ± 0.32	0.348	107
Ibuprofen	µg/l	- ± -	- ± -	-	-
Iopamidol	µg/l	8.33 ± 1	- ± -	1.67	-
Metoprolol	µg/l	0.251 ± 0.0352	0.311 ± 0.031	0.0654	124
Saccharin	µg/l	0.697 ± 0.0403	0.66 ± 0.079	0.167	94.7
Sotalol	µg/l	0.202 ± 0.0319	0.274 ± 0.027	0.0575	135
Sucralose	µg/l	7.71 ± 1.06	- ± -	2.47	-
Sulfamethoxazole	µg/l	0.0362 ± 0.00253	0.031 ± 0.005	0.00435	85.5



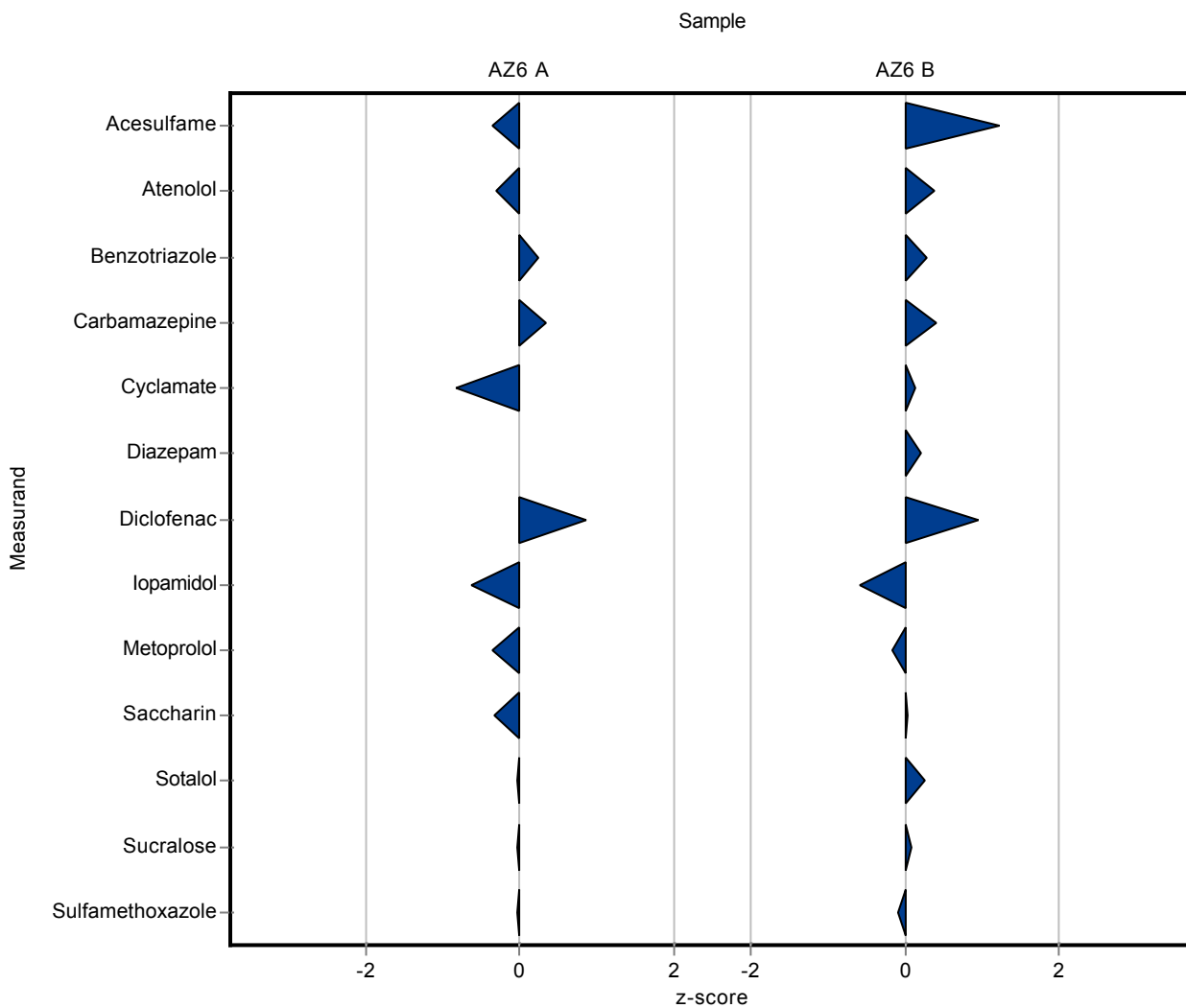
Sample: AZ6A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	µg/l	- ± -	0.0536 ± 0.011	-	-	-
4-Formylaminoantipyrine	µg/l	- ± -	0.226 ± 0.045	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	- ± -	0.0777 ± 0.016	-	-	-
Acesulfame	µg/l	0.133 ± 0.0101	0.124 ± 0.031	0.0253	93.2	-0.36
Amidotrizoic acid	µg/l	0.162 ± 0.0256	- ± -	0.0443	-	-
Atenolol	µg/l	0.14 ± 0.0199	0.1305 ± 0.026	0.0315	93	-0.31
Benzotriazole	µg/l	0.151 ± 0.00939	0.156 ± 0.031	0.0197	103	0.24
Bisoprolol	µg/l	- ± -	0.0605 ± 0.012	-	-	-
Carbamazepine	µg/l	0.131 ± 0.00341	0.1375 ± 0.028	0.0184	105	0.33
Cyclamate	µg/l	0.0645 ± 0.0127	0.0474 ± 0.0156	0.0211	73.5	-0.81
Diazepam	µg/l	- ± -	<0.01 (LOQ) ± -	-	-	-
Diclofenac	µg/l	0.142 ± 0.0135	0.164 ± 0.033	0.0262	116	0.85
Ibuprofen	µg/l	0.479 ± 0.00947	- ± -	0.0479	-	-
Iopamidol	µg/l	0.229 ± 0.0332	0.1915 ± 0.0479	0.0599	83.5	-0.63
Metoprolol	µg/l	0.0984 ± 0.0113	0.0896 ± 0.0179	0.0256	91	-0.35
Saccharin	µg/l	0.0501 ± 0.00946	0.0456 ± 0.01	0.0134	90.9	-0.34
Sotalol	µg/l	0.184 ± 0.0207	0.1829 ± 0.0366	0.0374	99.6	-0.02
Sucralose	µg/l	0.26 ± 0.0491	0.2579 ± 0.052	0.0832	99.2	-0.03
Sulfamethoxazole	µg/l	0.0507 ± 0.00354	0.0505 ± 0.01	0.00613	99.6	-0.03

Sample: AZ6B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	µg/l	- ± -	7.858 ± 1.57	-	-	-
4-Formylaminoantipyrine	µg/l	- ± -	3.178 ± 0.636	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	- ± -	1.008 ± 0.202	-	-	-
Acesulfame	µg/l	19 ± 2	23.59 ± 5.89	3.75	124	1.23
Amidotrizoic acid	µg/l	0.986 ± 0.0861	- ± -	0.197	-	-
Atenolol	µg/l	0.515 ± 0.0904	0.5696 ± 0.114	0.15	111	0.37
Benzotriazole	µg/l	7.82 ± 0.351	8.106 ± 1.621	1.02	104	0.28
Bisoprolol	µg/l	- ± -	0.2864 ± 0.057	-	-	-
Carbamazepine	µg/l	0.387 ± 0.0241	0.4097 ± 0.082	0.0542	106	0.41
Cyclamate	µg/l	0.146 ± 0.0396	0.1544 ± 0.031	0.0656	106	0.13

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Diazepam	µg/l	0.307 ± 0.0387	0.3179 ± 0.064	0.0512	103	0.21
Diclofenac	µg/l	2.48 ± 0.148	2.813 ± 0.563	0.348	113	0.94
Ibuprofen	µg/l	- ± -	- ± -	-	-	-
Iopamidol	µg/l	8.33 ± 1	7.362 ± 1.84	1.67	88.4	-0.58
Metoprolol	µg/l	0.251 ± 0.0352	0.2406 ± 0.048	0.0654	95.7	-0.17
Saccharin	µg/l	0.697 ± 0.0403	0.7016 ± 0.14	0.167	101	0.03
Sotalol	µg/l	0.202 ± 0.0319	0.2175 ± 0.044	0.0575	107	0.26
Sucralose	µg/l	7.71 ± 1.06	7.909 ± 1.582	2.47	103	0.08
Sulfamethoxazole	µg/l	0.0362 ± 0.00253	0.0358 ± 0.008	0.00435	98.8	-0.10



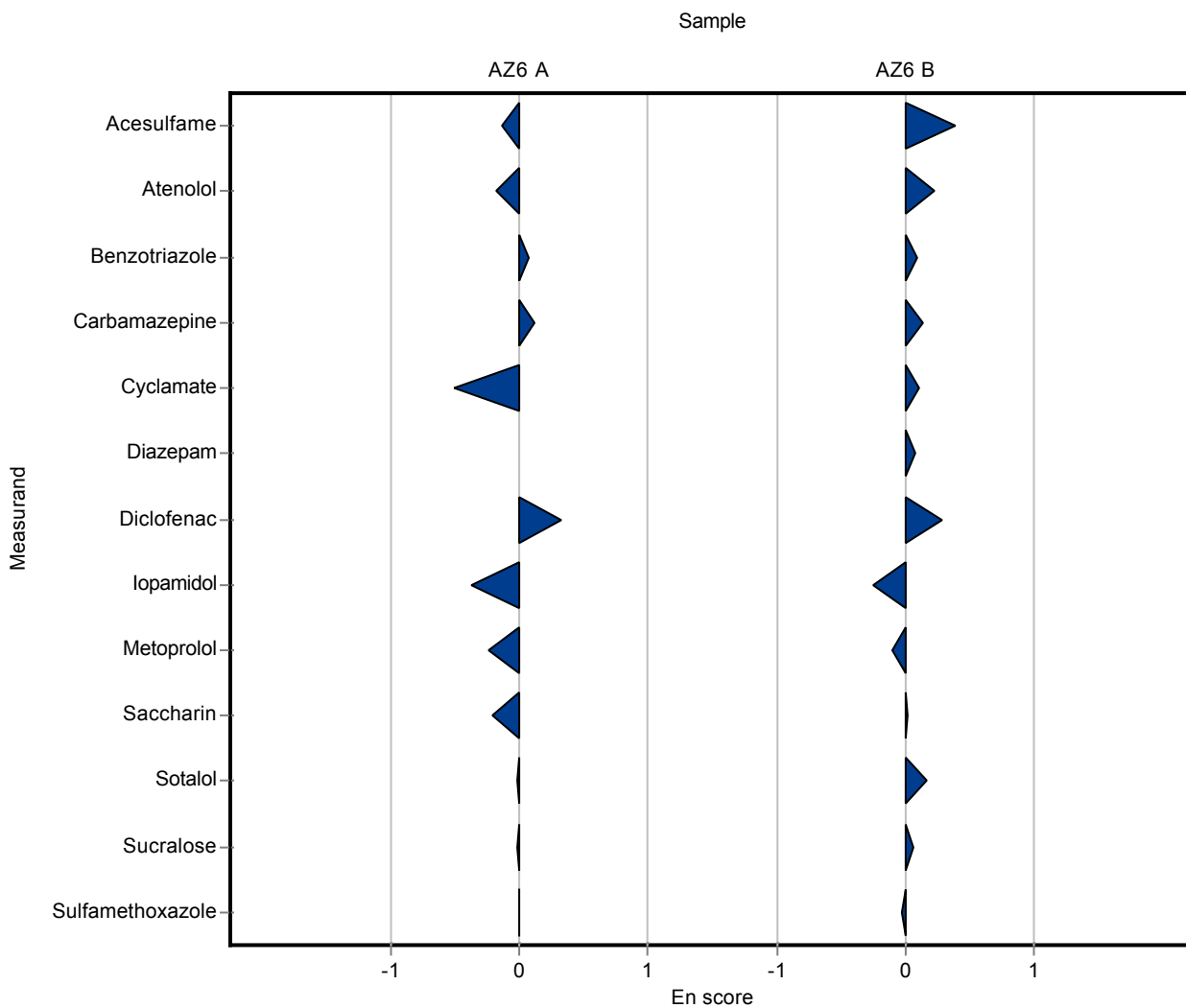
Sample: AZ6A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	µg/l	- ± -	0.0536 ± 0.011	-	-	-
4-Formylaminoantipyrine	µg/l	- ± -	0.226 ± 0.045	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	- ± -	0.0777 ± 0.016	-	-	-
Acesulfame	µg/l	0.133 ± 0.0101	0.124 ± 0.031	0.0253	93.2	-0.14
Amidotrizoic acid	µg/l	0.162 ± 0.0256	- ± -	0.0443	-	-
Atenolol	µg/l	0.14 ± 0.0199	0.1305 ± 0.026	0.0315	93	-0.18
Benzotriazole	µg/l	0.151 ± 0.00939	0.156 ± 0.031	0.0197	103	0.07
Bisoprolol	µg/l	- ± -	0.0605 ± 0.012	-	-	-
Carbamazepine	µg/l	0.131 ± 0.00341	0.1375 ± 0.028	0.0184	105	0.11
Cyclamate	µg/l	0.0645 ± 0.0127	0.0474 ± 0.0156	0.0211	73.5	-0.51
Diazepam	µg/l	- ± -	<0.01 (LOQ) ± -	-	-	-
Diclofenac	µg/l	0.142 ± 0.0135	0.164 ± 0.033	0.0262	116	0.33
Ibuprofen	µg/l	0.479 ± 0.00947	- ± -	0.0479	-	-
Iopamidol	µg/l	0.229 ± 0.0332	0.1915 ± 0.0479	0.0599	83.5	-0.37
Metoprolol	µg/l	0.0984 ± 0.0113	0.0896 ± 0.0179	0.0256	91	-0.24
Saccharin	µg/l	0.0501 ± 0.00946	0.0456 ± 0.01	0.0134	90.9	-0.20
Sotalol	µg/l	0.184 ± 0.0207	0.1829 ± 0.0366	0.0374	99.6	-0.01
Sucralose	µg/l	0.26 ± 0.0491	0.2579 ± 0.052	0.0832	99.2	-0.02
Sulfamethoxazole	µg/l	0.0507 ± 0.00354	0.0505 ± 0.01	0.00613	99.6	-0.01

Sample: AZ6B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	µg/l	- ± -	7.858 ± 1.57	-	-	-
4-Formylaminoantipyrine	µg/l	- ± -	3.178 ± 0.636	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	- ± -	1.008 ± 0.202	-	-	-
Acesulfame	µg/l	19 ± 2	23.59 ± 5.89	3.75	124	0.39
Amidotrizoic acid	µg/l	0.986 ± 0.0861	- ± -	0.197	-	-
Atenolol	µg/l	0.515 ± 0.0904	0.5696 ± 0.114	0.15	111	0.22
Benzotriazole	µg/l	7.82 ± 0.351	8.106 ± 1.621	1.02	104	0.09
Bisoprolol	µg/l	- ± -	0.2864 ± 0.057	-	-	-
Carbamazepine	µg/l	0.387 ± 0.0241	0.4097 ± 0.082	0.0542	106	0.14
Cyclamate	µg/l	0.146 ± 0.0396	0.1544 ± 0.031	0.0656	106	0.11

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion Recovery	En-Score [%]	
Diazepam	µg/l	0.307 ± 0.0387	0.3179 ± 0.064	0.0512	103	0.08
Diclofenac	µg/l	2.48 ± 0.148	2.813 ± 0.563	0.348	113	0.29
Ibuprofen	µg/l	- ± -	- ± -	-	-	-
Iopamidol	µg/l	8.33 ± 1	7.362 ± 1.84	1.67	88.4	-0.25
Metoprolol	µg/l	0.251 ± 0.0352	0.2406 ± 0.048	0.0654	95.7	-0.10
Saccharin	µg/l	0.697 ± 0.0403	0.7016 ± 0.14	0.167	101	0.02
Sotalol	µg/l	0.202 ± 0.0319	0.2175 ± 0.044	0.0575	107	0.16
Sucralose	µg/l	7.71 ± 1.06	7.909 ± 1.582	2.47	103	0.06
Sulfamethoxazole	µg/l	0.0362 ± 0.00253	0.0358 ± 0.008	0.00435	98.8	-0.03



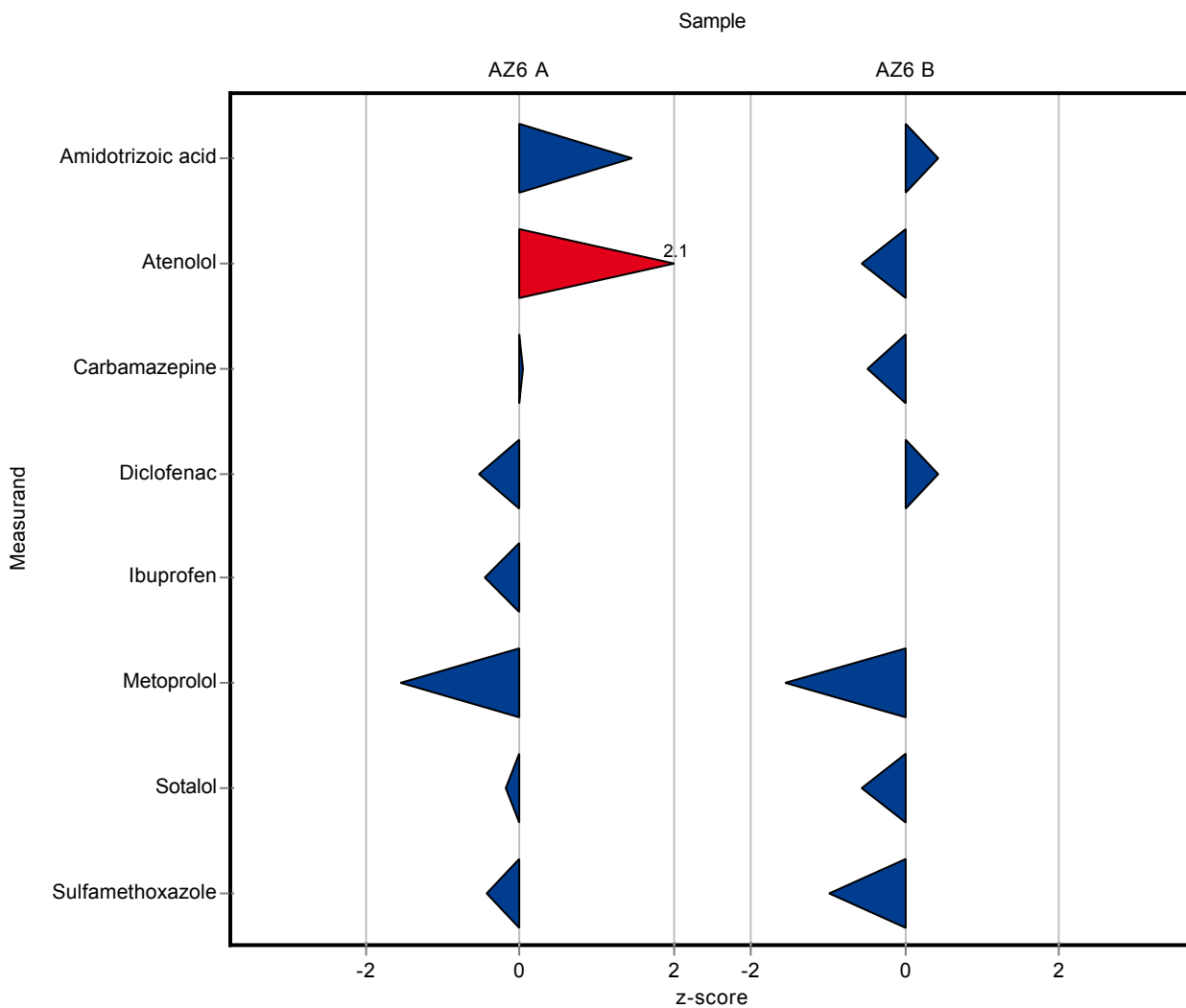
Sample: AZ6A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	µg/l	- ± -	0.044 ± 0.022	-	-	-
4-Formylaminoantipyrine	µg/l	- ± -	0.245 ± 0.123	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	- ± -	- ± -	-	-	-
Acesulfame	µg/l	0.133 ± 0.0101	- ± -	0.0253	-	-
Amidotrizoic acid	µg/l	0.162 ± 0.0256	0.227 ± 0.114	0.0443	140	1.47
Atenolol	µg/l	0.14 ± 0.0199	0.207 ± 0.104	0.0315	148	2.12
Benzotriazole	µg/l	0.151 ± 0.00939	- ± -	0.0197	-	-
Bisoprolol	µg/l	- ± -	0.099 ± 0.05	-	-	-
Carbamazepine	µg/l	0.131 ± 0.00341	0.132 ± 0.066	0.0184	100	0.03
Cyclamate	µg/l	0.0645 ± 0.0127	- ± -	0.0211	-	-
Diazepam	µg/l	- ± -	- ± -	-	-	-
Diclofenac	µg/l	0.142 ± 0.0135	0.128 ± 0.064	0.0262	90.3	-0.52
Ibuprofen	µg/l	0.479 ± 0.00947	0.457 ± 0.229	0.0479	95.5	-0.45
Iopamidol	µg/l	0.229 ± 0.0332	- ± -	0.0599	-	-
Metoprolol	µg/l	0.0984 ± 0.0113	0.059 ± 0.03	0.0256	59.9	-1.54
Saccharin	µg/l	0.0501 ± 0.00946	- ± -	0.0134	-	-
Sotalol	µg/l	0.184 ± 0.0207	0.177 ± 0.089	0.0374	96.4	-0.18
Sucralose	µg/l	0.26 ± 0.0491	- ± -	0.0832	-	-
Sulfamethoxazole	µg/l	0.0507 ± 0.00354	0.048 ± 0.024	0.00613	94.7	-0.44

Sample: AZ6B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	µg/l	- ± -	7.61 ± 3.81	-	-	-
4-Formylaminoantipyrine	µg/l	- ± -	2.63 ± 1.4	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	- ± -	- ± -	-	-	-
Acesulfame	µg/l	19 ± 2	- ± -	3.75	-	-
Amidotrizoic acid	µg/l	0.986 ± 0.0861	1.07 ± 0.54	0.197	109	0.43
Atenolol	µg/l	0.515 ± 0.0904	0.43 ± 0.22	0.15	83.6	-0.56
Benzotriazole	µg/l	7.82 ± 0.351	- ± -	1.02	-	-
Bisoprolol	µg/l	- ± -	0.34 ± 0.17	-	-	-
Carbamazepine	µg/l	0.387 ± 0.0241	0.36 ± 0.18	0.0542	93	-0.50
Cyclamate	µg/l	0.146 ± 0.0396	- ± -	0.0656	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion Recovery	Recovery [%]	z-Score
Diazepam	µg/l	0.307 ± 0.0387	- ± -	0.0512	-	-
Diclofenac	µg/l	2.48 ± 0.148	2.63 ± 1.32	0.348	106	0.42
Ibuprofen	µg/l	- ± -	- ± -	-	-	-
Iopamidol	µg/l	8.33 ± 1	- ± -	1.67	-	-
Metoprolol	µg/l	0.251 ± 0.0352	0.15 ± 0.08	0.0654	59.7	-1.55
Saccharin	µg/l	0.697 ± 0.0403	- ± -	0.167	-	-
Sotalol	µg/l	0.202 ± 0.0319	0.17 ± 0.09	0.0575	84	-0.56
Sucralose	µg/l	7.71 ± 1.06	- ± -	2.47	-	-
Sulfamethoxazole	µg/l	0.0362 ± 0.00253	0.032 ± 0.016	0.00435	88.3	-0.97



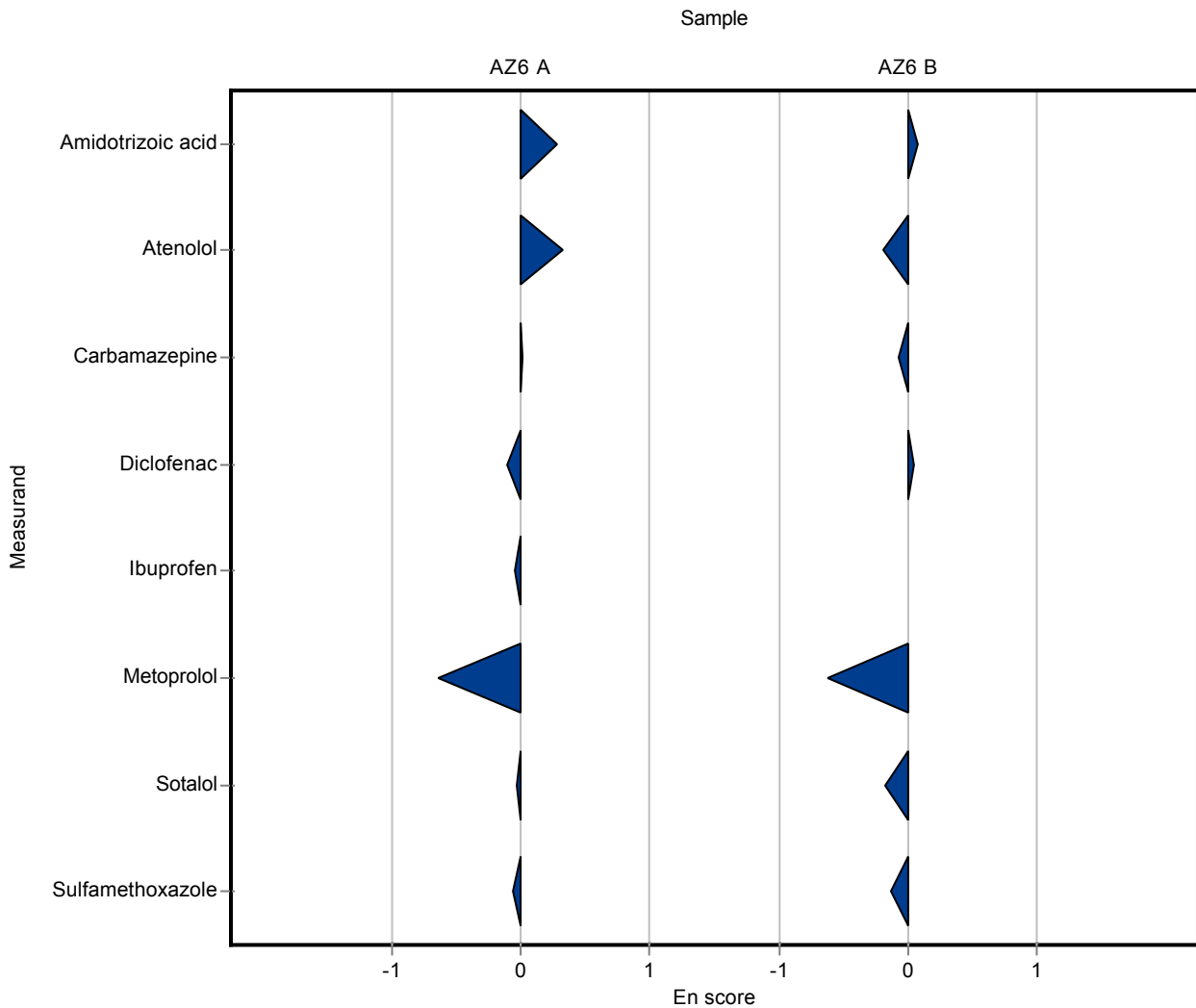
Sample: AZ6A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	µg/l	- ± -	0.044 ± 0.022	-	-	-
4-Formylaminoantipyrine	µg/l	- ± -	0.245 ± 0.123	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	- ± -	- ± -	-	-	-
Acesulfame	µg/l	0.133 ± 0.0101	- ± -	0.0253	-	-
Amidotrizoic acid	µg/l	0.162 ± 0.0256	0.227 ± 0.114	0.0443	140	0.28
Atenolol	µg/l	0.14 ± 0.0199	0.207 ± 0.104	0.0315	148	0.32
Benzotriazole	µg/l	0.151 ± 0.00939	- ± -	0.0197	-	-
Bisoprolol	µg/l	- ± -	0.099 ± 0.05	-	-	-
Carbamazepine	µg/l	0.131 ± 0.00341	0.132 ± 0.066	0.0184	100	0.00
Cyclamate	µg/l	0.0645 ± 0.0127	- ± -	0.0211	-	-
Diazepam	µg/l	- ± -	- ± -	-	-	-
Diclofenac	µg/l	0.142 ± 0.0135	0.128 ± 0.064	0.0262	90.3	-0.11
Ibuprofen	µg/l	0.479 ± 0.00947	0.457 ± 0.229	0.0479	95.5	-0.05
Iopamidol	µg/l	0.229 ± 0.0332	- ± -	0.0599	-	-
Metoprolol	µg/l	0.0984 ± 0.0113	0.059 ± 0.03	0.0256	59.9	-0.65
Saccharin	µg/l	0.0501 ± 0.00946	- ± -	0.0134	-	-
Sotalol	µg/l	0.184 ± 0.0207	0.177 ± 0.089	0.0374	96.4	-0.04
Sucralose	µg/l	0.26 ± 0.0491	- ± -	0.0832	-	-
Sulfamethoxazole	µg/l	0.0507 ± 0.00354	0.048 ± 0.024	0.00613	94.7	-0.06

Sample: AZ6B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	µg/l	- ± -	7.61 ± 3.81	-	-	-
4-Formylaminoantipyrine	µg/l	- ± -	2.63 ± 1.4	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	- ± -	- ± -	-	-	-
Acesulfame	µg/l	19 ± 2	- ± -	3.75	-	-
Amidotrizoic acid	µg/l	0.986 ± 0.0861	1.07 ± 0.54	0.197	109	0.08
Atenolol	µg/l	0.515 ± 0.0904	0.43 ± 0.22	0.15	83.6	-0.19
Benzotriazole	µg/l	7.82 ± 0.351	- ± -	1.02	-	-
Bisoprolol	µg/l	- ± -	0.34 ± 0.17	-	-	-
Carbamazepine	µg/l	0.387 ± 0.0241	0.36 ± 0.18	0.0542	93	-0.08
Cyclamate	µg/l	0.146 ± 0.0396	- ± -	0.0656	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion Recovery	En-Score [%]
Diazepam	µg/l	0.307 ± 0.0387	- ± -	0.0512	-
Diclofenac	µg/l	2.48 ± 0.148	2.63 ± 1.32	0.348	106
Ibuprofen	µg/l	- ± -	- ± -	-	-
Iopamidol	µg/l	8.33 ± 1	- ± -	1.67	-
Metoprolol	µg/l	0.251 ± 0.0352	0.15 ± 0.08	0.0654	59.7
Saccharin	µg/l	0.697 ± 0.0403	- ± -	0.167	-
Sotalol	µg/l	0.202 ± 0.0319	0.17 ± 0.09	0.0575	84
Sucralose	µg/l	7.71 ± 1.06	- ± -	2.47	-
Sulfamethoxazole	µg/l	0.0362 ± 0.00253	0.032 ± 0.016	0.00435	88.3



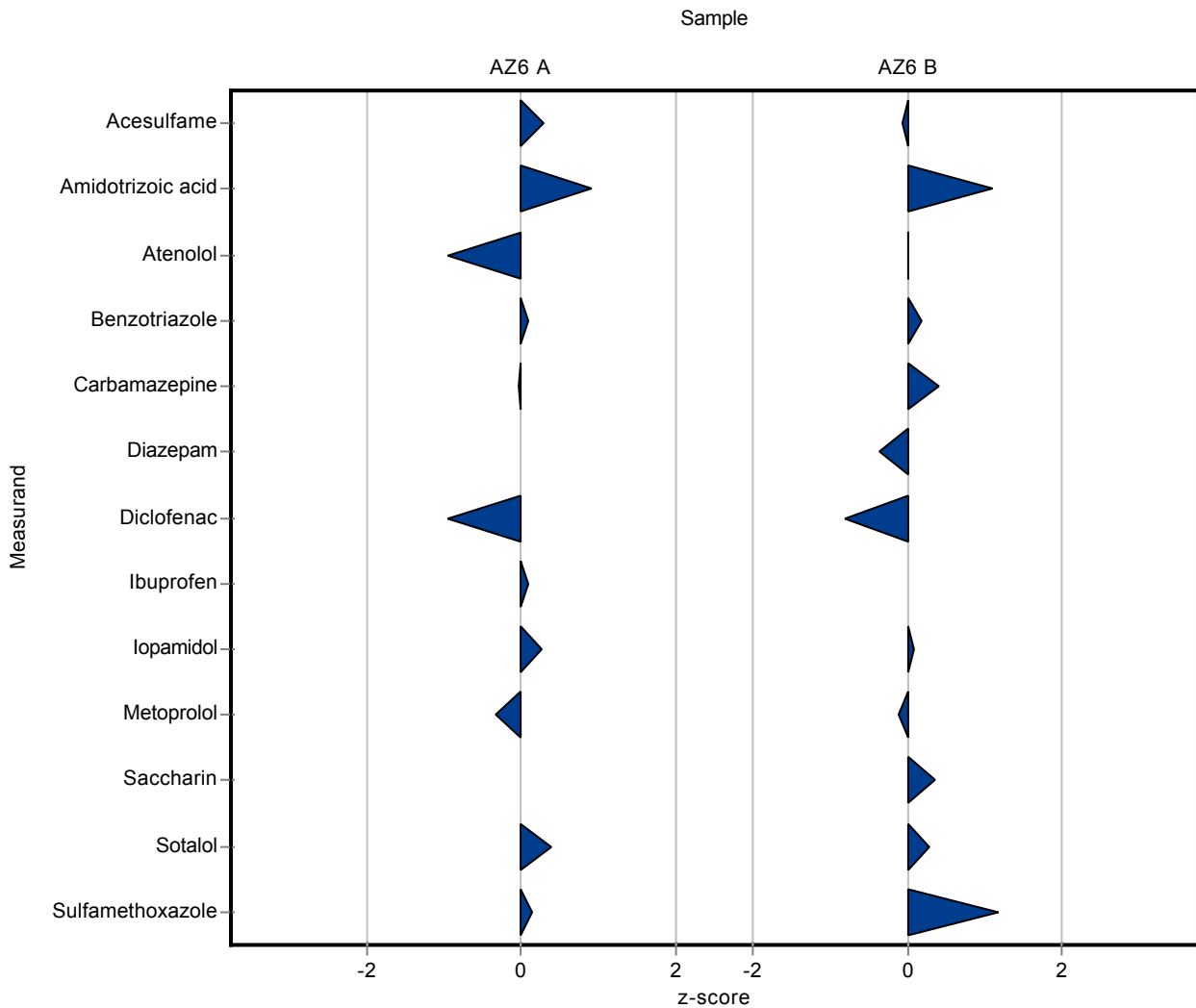
Sample: AZ6A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	µg/l	- ± -	0.0457 ± 0.0078	-	-	-
4-Formylaminoantipyrine	µg/l	- ± -	0.232 ± 0.033	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	- ± -	0.0695 ± 0.0104	-	-	-
Acesulfame	µg/l	0.133 ± 0.0101	0.1407 ± 0.0197	0.0253	106	0.30
Amidotrizoic acid	µg/l	0.162 ± 0.0256	0.202 ± 0.073	0.0443	125	0.90
Atenolol	µg/l	0.14 ± 0.0199	0.1107 ± 0.0166	0.0315	78.9	-0.94
Benzotriazole	µg/l	0.151 ± 0.00939	0.153 ± 0.041	0.0197	101	0.09
Bisoprolol	µg/l	- ± -	0.0622 ± 0.0062	-	-	-
Carbamazepine	µg/l	0.131 ± 0.00341	0.131 ± 0.012	0.0184	99.7	-0.02
Cyclamate	µg/l	0.0645 ± 0.0127	<0.05 (LOQ) ± -	0.0211	-	-
Diazepam	µg/l	- ± -	<0.025 (LOQ) ± -	-	-	-
Diclofenac	µg/l	0.142 ± 0.0135	0.117 ± 0.032	0.0262	82.6	-0.94
Ibuprofen	µg/l	0.479 ± 0.00947	0.483 ± 0.039	0.0479	101	0.09
Iopamidol	µg/l	0.229 ± 0.0332	0.245 ± 0.049	0.0599	107	0.26
Metoprolol	µg/l	0.0984 ± 0.0113	0.09 ± 0.01	0.0256	91.4	-0.33
Saccharin	µg/l	0.0501 ± 0.00946	<0.05 (LOQ) ± -	0.0134	-	-
Sotalol	µg/l	0.184 ± 0.0207	0.198 ± 0.028	0.0374	108	0.38
Sucralose	µg/l	0.26 ± 0.0491	- ± -	0.0832	-	-
Sulfamethoxazole	µg/l	0.0507 ± 0.00354	0.0515 ± 0.0057	0.00613	102	0.13

Sample: AZ6B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	µg/l	- ± -	7.34 ± 1.248	-	-	-
4-Formylaminoantipyrine	µg/l	- ± -	2.89 ± 0.405	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	- ± -	0.883 ± 0.132	-	-	-
Acesulfame	µg/l	19 ± 2	18.7 ± 2.616	3.75	98.6	-0.07
Amidotrizoic acid	µg/l	0.986 ± 0.0861	1.2 ± 0.43	0.197	122	1.09
Atenolol	µg/l	0.515 ± 0.0904	0.517 ± 0.078	0.15	100	0.02
Benzotriazole	µg/l	7.82 ± 0.351	8 ± 2.16	1.02	102	0.17
Bisoprolol	µg/l	- ± -	0.3012 ± 0.0301	-	-	-
Carbamazepine	µg/l	0.387 ± 0.0241	0.4095 ± 0.0369	0.0542	106	0.41
Cyclamate	µg/l	0.146 ± 0.0396	<0.1 (LOQ) ± -	0.0656	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Diazepam	µg/l	0.307 ± 0.0387	0.289 ± 0.032	0.0512	94.1	-0.36
Diclofenac	µg/l	2.48 ± 0.148	2.2 ± 0.59	0.348	88.5	-0.82
Ibuprofen	µg/l	- ± -	0.066 ± 0.005	-	-	-
Iopamidol	µg/l	8.33 ± 1	8.47 ± 1.693	1.67	102	0.09
Metoprolol	µg/l	0.251 ± 0.0352	0.243 ± 0.032	0.0654	96.7	-0.13
Saccharin	µg/l	0.697 ± 0.0403	0.758 ± 0.334	0.167	109	0.36
Sotalol	µg/l	0.202 ± 0.0319	0.219 ± 0.031	0.0575	108	0.29
Sucralose	µg/l	7.71 ± 1.06	- ± -	2.47	-	-
Sulfamethoxazole	µg/l	0.0362 ± 0.00253	0.0413 ± 0.0045	0.00435	114	1.16



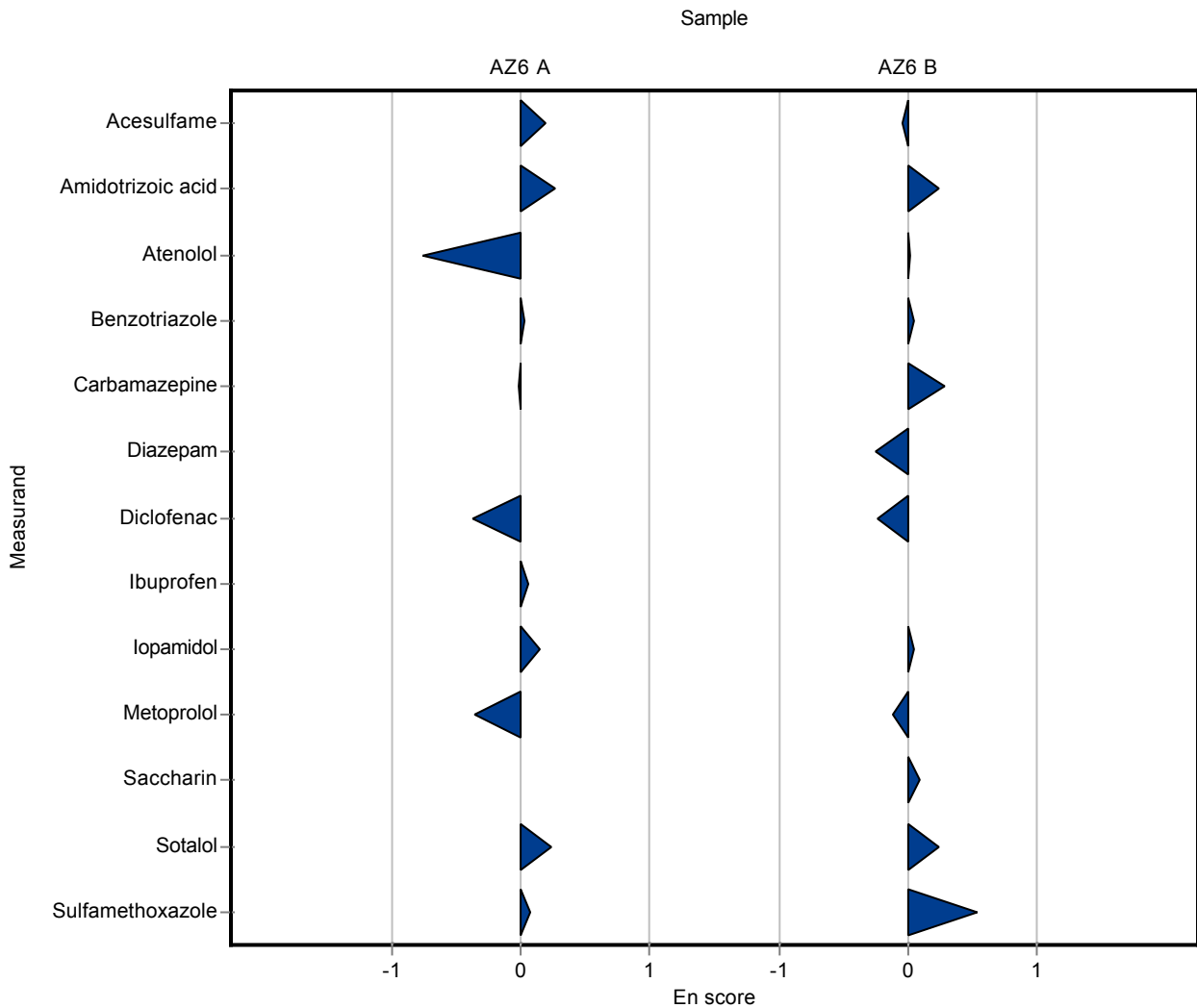
Sample: AZ6A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	µg/l	- ± -	0.0457 ± 0.0078	-	-	-
4-Formylaminoantipyrine	µg/l	- ± -	0.232 ± 0.033	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	- ± -	0.0695 ± 0.0104	-	-	-
Acesulfame	µg/l	0.133 ± 0.0101	0.1407 ± 0.0197	0.0253	106	0.19
Amidotrizoic acid	µg/l	0.162 ± 0.0256	0.202 ± 0.073	0.0443	125	0.27
Atenolol	µg/l	0.14 ± 0.0199	0.1107 ± 0.0166	0.0315	78.9	-0.77
Benzotriazole	µg/l	0.151 ± 0.00939	0.153 ± 0.041	0.0197	101	0.02
Bisoprolol	µg/l	- ± -	0.0622 ± 0.0062	-	-	-
Carbamazepine	µg/l	0.131 ± 0.00341	0.131 ± 0.012	0.0184	99.7	-0.02
Cyclamate	µg/l	0.0645 ± 0.0127	<0.05 (LOQ) ± -	0.0211	-	-
Diazepam	µg/l	- ± -	<0.025 (LOQ) ± -	-	-	-
Diclofenac	µg/l	0.142 ± 0.0135	0.117 ± 0.032	0.0262	82.6	-0.38
Ibuprofen	µg/l	0.479 ± 0.00947	0.483 ± 0.039	0.0479	101	0.06
Iopamidol	µg/l	0.229 ± 0.0332	0.245 ± 0.049	0.0599	107	0.15
Metoprolol	µg/l	0.0984 ± 0.0113	0.09 ± 0.01	0.0256	91.4	-0.37
Saccharin	µg/l	0.0501 ± 0.00946	<0.05 (LOQ) ± -	0.0134	-	-
Sotalol	µg/l	0.184 ± 0.0207	0.198 ± 0.028	0.0374	108	0.24
Sucralose	µg/l	0.26 ± 0.0491	- ± -	0.0832	-	-
Sulfamethoxazole	µg/l	0.0507 ± 0.00354	0.0515 ± 0.0057	0.00613	102	0.07

Sample: AZ6B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	µg/l	- ± -	7.34 ± 1.248	-	-	-
4-Formylaminoantipyrine	µg/l	- ± -	2.89 ± 0.405	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	- ± -	0.883 ± 0.132	-	-	-
Acesulfame	µg/l	19 ± 2	18.7 ± 2.616	3.75	98.6	-0.05
Amidotrizoic acid	µg/l	0.986 ± 0.0861	1.2 ± 0.43	0.197	122	0.25
Atenolol	µg/l	0.515 ± 0.0904	0.517 ± 0.078	0.15	100	0.01
Benzotriazole	µg/l	7.82 ± 0.351	8 ± 2.16	1.02	102	0.04
Bisoprolol	µg/l	- ± -	0.3012 ± 0.0301	-	-	-
Carbamazepine	µg/l	0.387 ± 0.0241	0.4095 ± 0.0369	0.0542	106	0.29
Cyclamate	µg/l	0.146 ± 0.0396	<0.1 (LOQ) ± -	0.0656	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion Recovery	En-Score [%]
Diazepam	µg/l	0.307 ± 0.0387	0.289 ± 0.032	0.0512	94.1 -0.24
Diclofenac	µg/l	2.48 ± 0.148	2.2 ± 0.59	0.348	88.5 -0.24
Ibuprofen	µg/l	- ± -	0.066 ± 0.005	-	- -
Iopamidol	µg/l	8.33 ± 1	8.47 ± 1.693	1.67	102 0.04
Metoprolol	µg/l	0.251 ± 0.0352	0.243 ± 0.032	0.0654	96.7 -0.12
Saccharin	µg/l	0.697 ± 0.0403	0.758 ± 0.334	0.167	109 0.09
Sotalol	µg/l	0.202 ± 0.0319	0.219 ± 0.031	0.0575	108 0.24
Sucralose	µg/l	7.71 ± 1.06	- ± -	2.47	- -
Sulfamethoxazole	µg/l	0.0362 ± 0.00253	0.0413 ± 0.0045	0.00435	114 0.54



Sample: AZ6A

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	0.133 ± 0.0101	- ± -	0.0253	-	-
Amidotrizoic acid	µg/l	0.162 ± 0.0256	- ± -	0.0443	-	-
Atenolol	µg/l	0.14 ± 0.0199	- ± -	0.0315	-	-
Benzotriazole	µg/l	0.151 ± 0.00939	- ± -	0.0197	-	-
Bisoprolol	µg/l	- ± -	- ± -	-	-	-
Carbamazepine	µg/l	0.131 ± 0.00341	0.13 ± 0.04	0.0184	98.9	-0.08
Cyclamate	µg/l	0.0645 ± 0.0127	- ± -	0.0211	-	-
Diazepam	µg/l	- ± -	- ± -	-	-	-
Diclofenac	µg/l	0.142 ± 0.0135	- ± -	0.0262	-	-
Ibuprofen	µg/l	0.479 ± 0.00947	- ± -	0.0479	-	-
Iopamidol	µg/l	0.229 ± 0.0332	- ± -	0.0599	-	-
Metoprolol	µg/l	0.0984 ± 0.0113	- ± -	0.0256	-	-
Saccharin	µg/l	0.0501 ± 0.00946	- ± -	0.0134	-	-
Sotalol	µg/l	0.184 ± 0.0207	- ± -	0.0374	-	-
Sucralose	µg/l	0.26 ± 0.0491	- ± -	0.0832	-	-
Sulfamethoxazole	µg/l	0.0507 ± 0.00354	- ± -	0.00613	-	-

Sample: AZ6B

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	19 ± 2	- ± -	3.75	-	-
Amidotrizoic acid	µg/l	0.986 ± 0.0861	- ± -	0.197	-	-
Atenolol	µg/l	0.515 ± 0.0904	- ± -	0.15	-	-
Benzotriazole	µg/l	7.82 ± 0.351	- ± -	1.02	-	-
Bisoprolol	µg/l	- ± -	- ± -	-	-	-
Carbamazepine	µg/l	0.387 ± 0.0241	0.31 ± 0.09	0.0542	80.1	-1.42
Cyclamate	µg/l	0.146 ± 0.0396	- ± -	0.0656	-	-

Sample: AZ6A

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	0.133 ± 0.0101	- ± -	0.0253	-	-
Amidotrizoic acid	µg/l	0.162 ± 0.0256	- ± -	0.0443	-	-
Atenolol	µg/l	0.14 ± 0.0199	- ± -	0.0315	-	-
Benzotriazole	µg/l	0.151 ± 0.00939	- ± -	0.0197	-	-
Bisoprolol	µg/l	- ± -	- ± -	-	-	-
Carbamazepine	µg/l	0.131 ± 0.00341	0.13 ± 0.04	0.0184	98.9	-0.02
Cyclamate	µg/l	0.0645 ± 0.0127	- ± -	0.0211	-	-
Diazepam	µg/l	- ± -	- ± -	-	-	-
Diclofenac	µg/l	0.142 ± 0.0135	- ± -	0.0262	-	-
Ibuprofen	µg/l	0.479 ± 0.00947	- ± -	0.0479	-	-
Iopamidol	µg/l	0.229 ± 0.0332	- ± -	0.0599	-	-
Metoprolol	µg/l	0.0984 ± 0.0113	- ± -	0.0256	-	-
Saccharin	µg/l	0.0501 ± 0.00946	- ± -	0.0134	-	-
Sotalol	µg/l	0.184 ± 0.0207	- ± -	0.0374	-	-
Sucralose	µg/l	0.26 ± 0.0491	- ± -	0.0832	-	-
Sulfamethoxazole	µg/l	0.0507 ± 0.00354	- ± -	0.00613	-	-

Sample: AZ6B

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	19 ± 2	- ± -	3.75	-	-
Amidotrizoic acid	µg/l	0.986 ± 0.0861	- ± -	0.197	-	-
Atenolol	µg/l	0.515 ± 0.0904	- ± -	0.15	-	-
Benzotriazole	µg/l	7.82 ± 0.351	- ± -	1.02	-	-
Bisoprolol	µg/l	- ± -	- ± -	-	-	-
Carbamazepine	µg/l	0.387 ± 0.0241	0.31 ± 0.09	0.0542	80.1	-0.42
Cyclamate	µg/l	0.146 ± 0.0396	- ± -	0.0656	-	-

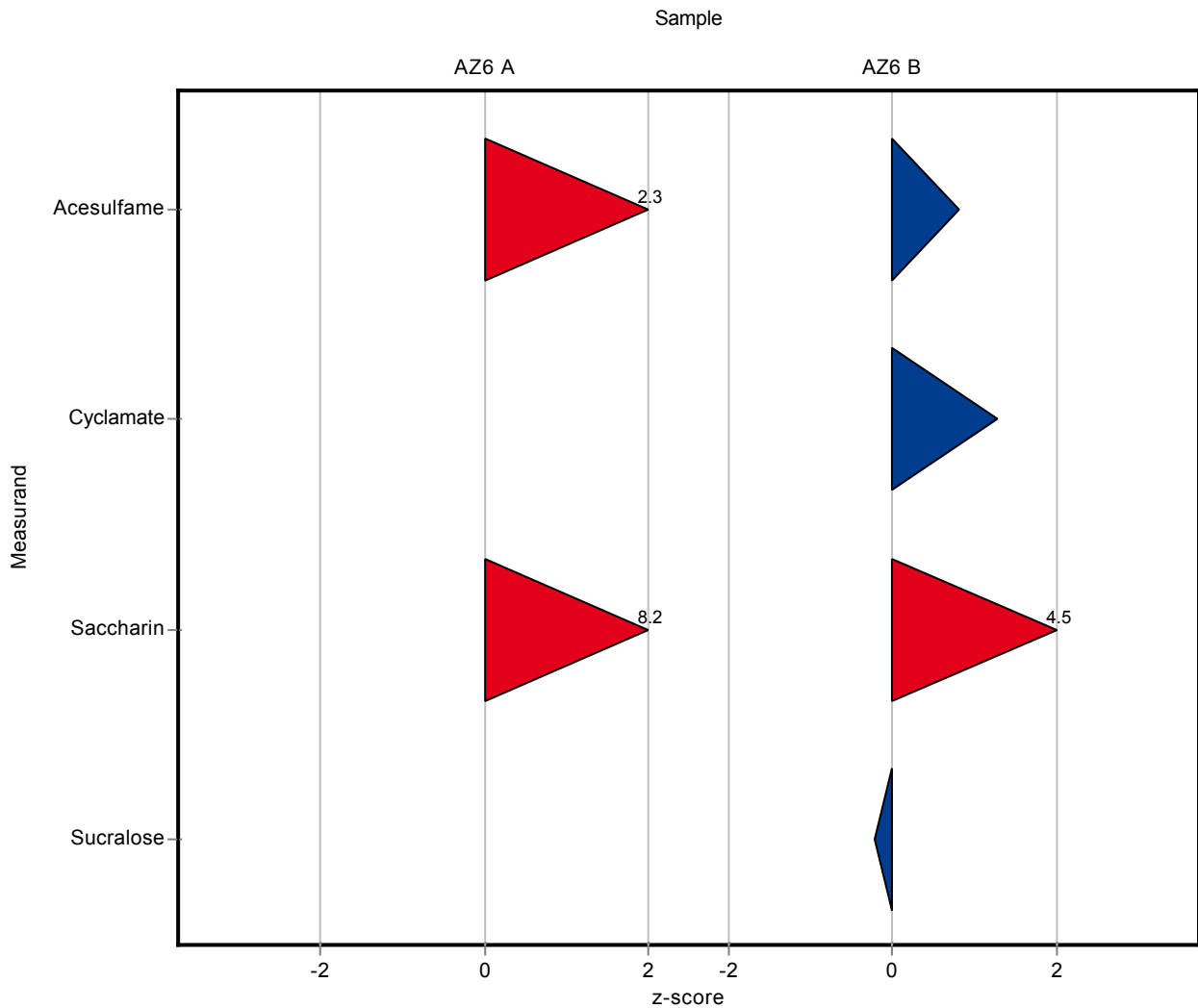
Sample: AZ6A

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	0.133 ± 0.0101	0.19 ± 0.037	0.0253	143	2.25
Amidotrizoic acid	µg/l	0.162 ± 0.0256	- ± -	0.0443	-	-
Atenolol	µg/l	0.14 ± 0.0199	- ± -	0.0315	-	-
Benzotriazole	µg/l	0.151 ± 0.00939	- ± -	0.0197	-	-
Bisoprolol	µg/l	- ± -	- ± -	-	-	-
Carbamazepine	µg/l	0.131 ± 0.00341	- ± -	0.0184	-	-
Cyclamate	µg/l	0.0645 ± 0.0127	<0.1 (LOQ) ± -	0.0211	-	-
Diazepam	µg/l	- ± -	- ± -	-	-	-
Diclofenac	µg/l	0.142 ± 0.0135	- ± -	0.0262	-	-
Ibuprofen	µg/l	0.479 ± 0.00947	- ± -	0.0479	-	-
Iopamidol	µg/l	0.229 ± 0.0332	- ± -	0.0599	-	-
Metoprolol	µg/l	0.0984 ± 0.0113	- ± -	0.0256	-	-
Saccharin	µg/l	0.0501 ± 0.00946	0.16 ± 0.032	0.0134	319	8.21
Sotalol	µg/l	0.184 ± 0.0207	- ± -	0.0374	-	-
Sucralose	µg/l	0.26 ± 0.0491	<1 (LOQ) ± -	0.0832	-	-
Sulfamethoxazole	µg/l	0.0507 ± 0.00354	- ± -	0.00613	-	-

Sample: AZ6B

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	19 ± 2	21.99 ± 4.4	3.75	116	0.81
Amidotrizoic acid	µg/l	0.986 ± 0.0861	- ± -	0.197	-	-
Atenolol	µg/l	0.515 ± 0.0904	- ± -	0.15	-	-
Benzotriazole	µg/l	7.82 ± 0.351	- ± -	1.02	-	-
Bisoprolol	µg/l	- ± -	- ± -	-	-	-
Carbamazepine	µg/l	0.387 ± 0.0241	- ± -	0.0542	-	-
Cyclamate	µg/l	0.146 ± 0.0396	0.23 ± 0.05	0.0656	158	1.28

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion Recovery [%]	z-Score
Diazepam	µg/l	0.307 ± 0.0387	- ± -	0.0512	-
Diclofenac	µg/l	2.48 ± 0.148	- ± -	0.348	-
Ibuprofen	µg/l	- ± -	- ± -	-	-
Iopamidol	µg/l	8.33 ± 1	- ± -	1.67	-
Metoprolol	µg/l	0.251 ± 0.0352	- ± -	0.0654	-
Saccharin	µg/l	0.697 ± 0.0403	1.45 ± 0.29	0.167	208
Sotalol	µg/l	0.202 ± 0.0319	- ± -	0.0575	-
Sucralose	µg/l	7.71 ± 1.06	7.19 ± 1.44	2.47	93.3
Sulfamethoxazole	µg/l	0.0362 ± 0.00253	- ± -	0.00435	-



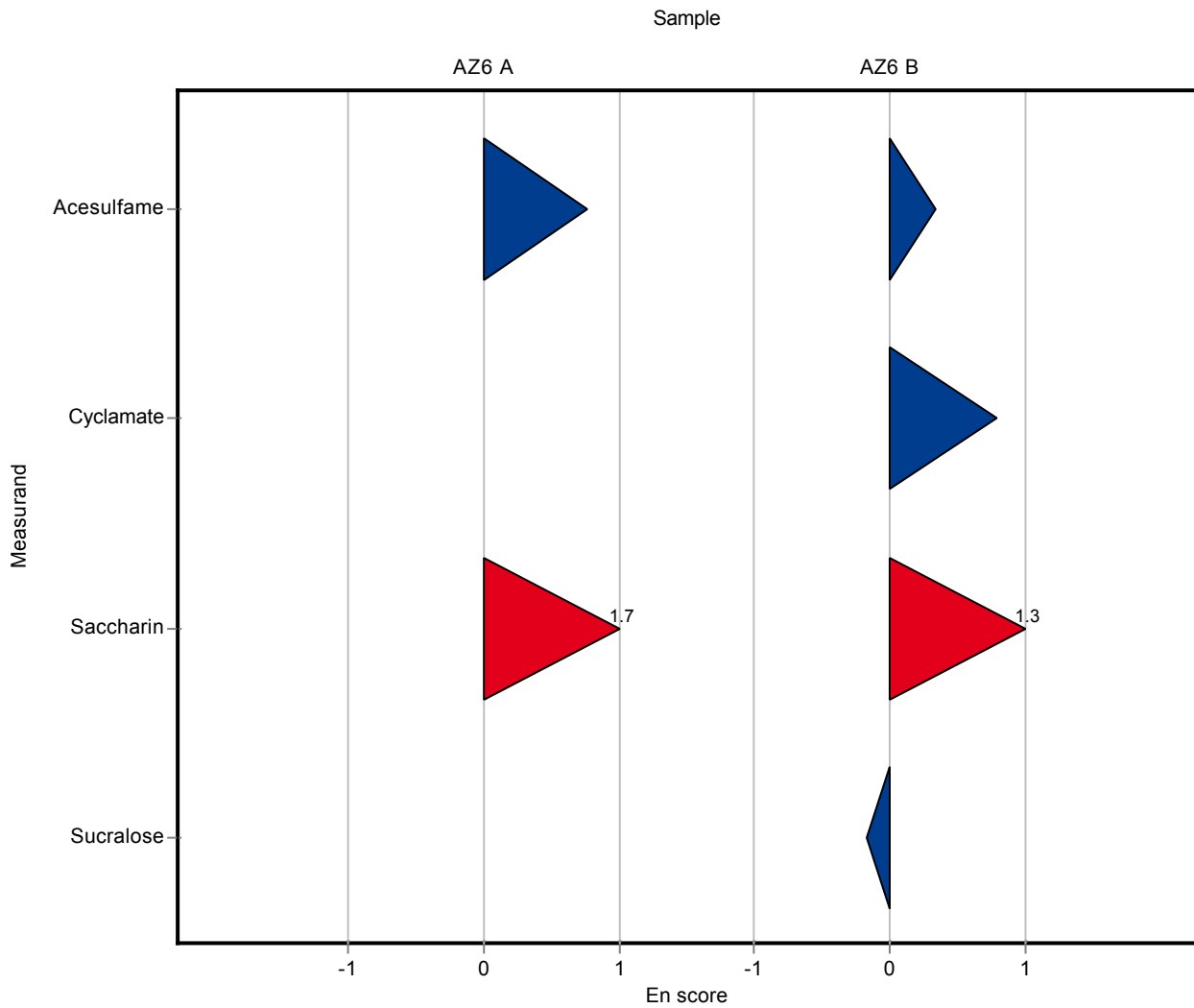
Sample: AZ6A

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	0.133 ± 0.0101	0.19 ± 0.037	0.0253	143	0.76
Amidotrizoic acid	µg/l	0.162 ± 0.0256	- ± -	0.0443	-	-
Atenolol	µg/l	0.14 ± 0.0199	- ± -	0.0315	-	-
Benzotriazole	µg/l	0.151 ± 0.00939	- ± -	0.0197	-	-
Bisoprolol	µg/l	- ± -	- ± -	-	-	-
Carbamazepine	µg/l	0.131 ± 0.00341	- ± -	0.0184	-	-
Cyclamate	µg/l	0.0645 ± 0.0127	<0.1 (LOQ) ± -	0.0211	-	-
Diazepam	µg/l	- ± -	- ± -	-	-	-
Diclofenac	µg/l	0.142 ± 0.0135	- ± -	0.0262	-	-
Ibuprofen	µg/l	0.479 ± 0.00947	- ± -	0.0479	-	-
Iopamidol	µg/l	0.229 ± 0.0332	- ± -	0.0599	-	-
Metoprolol	µg/l	0.0984 ± 0.0113	- ± -	0.0256	-	-
Saccharin	µg/l	0.0501 ± 0.00946	0.16 ± 0.032	0.0134	319	1.70
Sotalol	µg/l	0.184 ± 0.0207	- ± -	0.0374	-	-
Sucralose	µg/l	0.26 ± 0.0491	<1 (LOQ) ± -	0.0832	-	-
Sulfamethoxazole	µg/l	0.0507 ± 0.00354	- ± -	0.00613	-	-

Sample: AZ6B

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	19 ± 2	21.99 ± 4.4	3.75	116	0.34
Amidotrizoic acid	µg/l	0.986 ± 0.0861	- ± -	0.197	-	-
Atenolol	µg/l	0.515 ± 0.0904	- ± -	0.15	-	-
Benzotriazole	µg/l	7.82 ± 0.351	- ± -	1.02	-	-
Bisoprolol	µg/l	- ± -	- ± -	-	-	-
Carbamazepine	µg/l	0.387 ± 0.0241	- ± -	0.0542	-	-
Cyclamate	µg/l	0.146 ± 0.0396	0.23 ± 0.05	0.0656	158	0.78

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion Recovery [%]	En-Score
Diazepam	µg/l	0.307 ± 0.0387	- ± -	0.0512	-
Diclofenac	µg/l	2.48 ± 0.148	- ± -	0.348	-
Ibuprofen	µg/l	- ± -	- ± -	-	-
Iopamidol	µg/l	8.33 ± 1	- ± -	1.67	-
Metoprolol	µg/l	0.251 ± 0.0352	- ± -	0.0654	-
Saccharin	µg/l	0.697 ± 0.0403	1.45 ± 0.29	0.167	208
Sotalol	µg/l	0.202 ± 0.0319	- ± -	0.0575	-
Sucralose	µg/l	7.71 ± 1.06	7.19 ± 1.44	2.47	93.3
Sulfamethoxazole	µg/l	0.0362 ± 0.00253	- ± -	0.00435	-



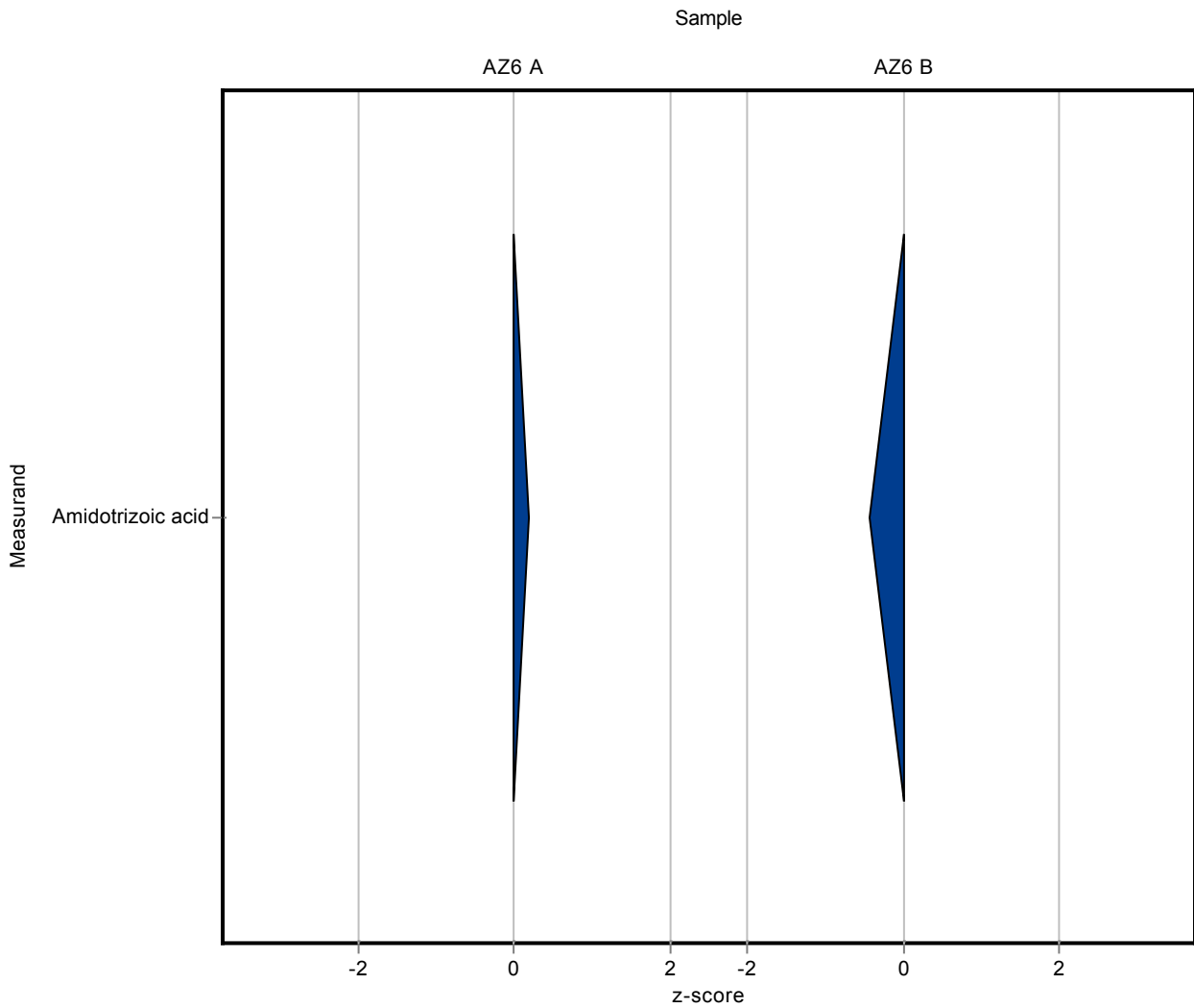
Sample: AZ6A

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	0.133 ± 0.0101	- ± -	0.0253	-	-
Amidotrizoic acid	µg/l	0.162 ± 0.0256	0.1705 ± 0.0426	0.0443	105	0.19
Atenolol	µg/l	0.14 ± 0.0199	- ± -	0.0315	-	-
Benzotriazole	µg/l	0.151 ± 0.00939	- ± -	0.0197	-	-
Bisoprolol	µg/l	- ± -	- ± -	-	-	-
Carbamazepine	µg/l	0.131 ± 0.00341	- ± -	0.0184	-	-
Cyclamate	µg/l	0.0645 ± 0.0127	- ± -	0.0211	-	-
Diazepam	µg/l	- ± -	- ± -	-	-	-
Diclofenac	µg/l	0.142 ± 0.0135	- ± -	0.0262	-	-
Ibuprofen	µg/l	0.479 ± 0.00947	- ± -	0.0479	-	-
Iopamidol	µg/l	0.229 ± 0.0332	- ± -	0.0599	-	-
Metoprolol	µg/l	0.0984 ± 0.0113	- ± -	0.0256	-	-
Saccharin	µg/l	0.0501 ± 0.00946	- ± -	0.0134	-	-
Sotalol	µg/l	0.184 ± 0.0207	- ± -	0.0374	-	-
Sucralose	µg/l	0.26 ± 0.0491	- ± -	0.0832	-	-
Sulfamethoxazole	µg/l	0.0507 ± 0.00354	- ± -	0.00613	-	-

Sample: AZ6B

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	19 ± 2	- ± -	3.75	-	-
Amidotrizoic acid	µg/l	0.986 ± 0.0861	0.9009 ± 0.2252	0.197	91.4	-0.43
Atenolol	µg/l	0.515 ± 0.0904	- ± -	0.15	-	-
Benzotriazole	µg/l	7.82 ± 0.351	- ± -	1.02	-	-
Bisoprolol	µg/l	- ± -	- ± -	-	-	-
Carbamazepine	µg/l	0.387 ± 0.0241	- ± -	0.0542	-	-
Cyclamate	µg/l	0.146 ± 0.0396	- ± -	0.0656	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion Recovery [%]	z-Score
Diazepam	µg/l	0.307 ± 0.0387	- ± -	0.0512	-
Diclofenac	µg/l	2.48 ± 0.148	- ± -	0.348	-
Ibuprofen	µg/l	- ± -	- ± -	-	-
Iopamidol	µg/l	8.33 ± 1	- ± -	1.67	-
Metoprolol	µg/l	0.251 ± 0.0352	- ± -	0.0654	-
Saccharin	µg/l	0.697 ± 0.0403	- ± -	0.167	-
Sotalol	µg/l	0.202 ± 0.0319	- ± -	0.0575	-
Sucralose	µg/l	7.71 ± 1.06	- ± -	2.47	-
Sulfamethoxazole	µg/l	0.0362 ± 0.00253	- ± -	0.00435	-



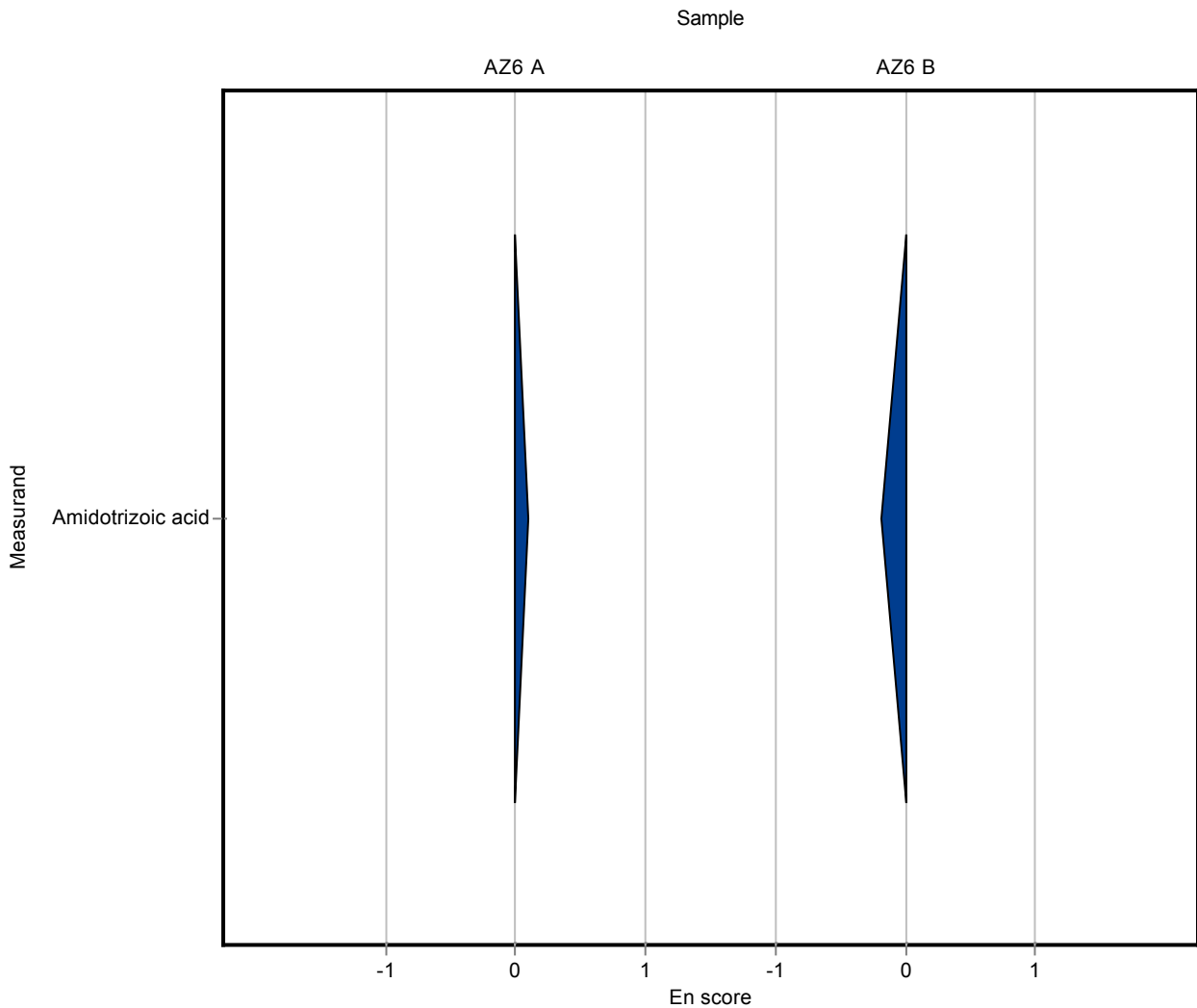
Sample: AZ6A

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	0.133 ± 0.0101	- ± -	0.0253	-	-
Amidotrizoic acid	µg/l	0.162 ± 0.0256	0.1705 ± 0.0426	0.0443	105	0.09
Atenolol	µg/l	0.14 ± 0.0199	- ± -	0.0315	-	-
Benzotriazole	µg/l	0.151 ± 0.00939	- ± -	0.0197	-	-
Bisoprolol	µg/l	- ± -	- ± -	-	-	-
Carbamazepine	µg/l	0.131 ± 0.00341	- ± -	0.0184	-	-
Cyclamate	µg/l	0.0645 ± 0.0127	- ± -	0.0211	-	-
Diazepam	µg/l	- ± -	- ± -	-	-	-
Diclofenac	µg/l	0.142 ± 0.0135	- ± -	0.0262	-	-
Ibuprofen	µg/l	0.479 ± 0.00947	- ± -	0.0479	-	-
Iopamidol	µg/l	0.229 ± 0.0332	- ± -	0.0599	-	-
Metoprolol	µg/l	0.0984 ± 0.0113	- ± -	0.0256	-	-
Saccharin	µg/l	0.0501 ± 0.00946	- ± -	0.0134	-	-
Sotalol	µg/l	0.184 ± 0.0207	- ± -	0.0374	-	-
Sucralose	µg/l	0.26 ± 0.0491	- ± -	0.0832	-	-
Sulfamethoxazole	µg/l	0.0507 ± 0.00354	- ± -	0.00613	-	-

Sample: AZ6B

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	19 ± 2	- ± -	3.75	-	-
Amidotrizoic acid	µg/l	0.986 ± 0.0861	0.9009 ± 0.2252	0.197	91.4	-0.18
Atenolol	µg/l	0.515 ± 0.0904	- ± -	0.15	-	-
Benzotriazole	µg/l	7.82 ± 0.351	- ± -	1.02	-	-
Bisoprolol	µg/l	- ± -	- ± -	-	-	-
Carbamazepine	µg/l	0.387 ± 0.0241	- ± -	0.0542	-	-
Cyclamate	µg/l	0.146 ± 0.0396	- ± -	0.0656	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion Recovery [%]	En-Score
Diazepam	µg/l	0.307 ± 0.0387	- ± -	0.0512	-
Diclofenac	µg/l	2.48 ± 0.148	- ± -	0.348	-
Ibuprofen	µg/l	- ± -	- ± -	-	-
Iopamidol	µg/l	8.33 ± 1	- ± -	1.67	-
Metoprolol	µg/l	0.251 ± 0.0352	- ± -	0.0654	-
Saccharin	µg/l	0.697 ± 0.0403	- ± -	0.167	-
Sotalol	µg/l	0.202 ± 0.0319	- ± -	0.0575	-
Sucralose	µg/l	7.71 ± 1.06	- ± -	2.47	-
Sulfamethoxazole	µg/l	0.0362 ± 0.00253	- ± -	0.00435	-



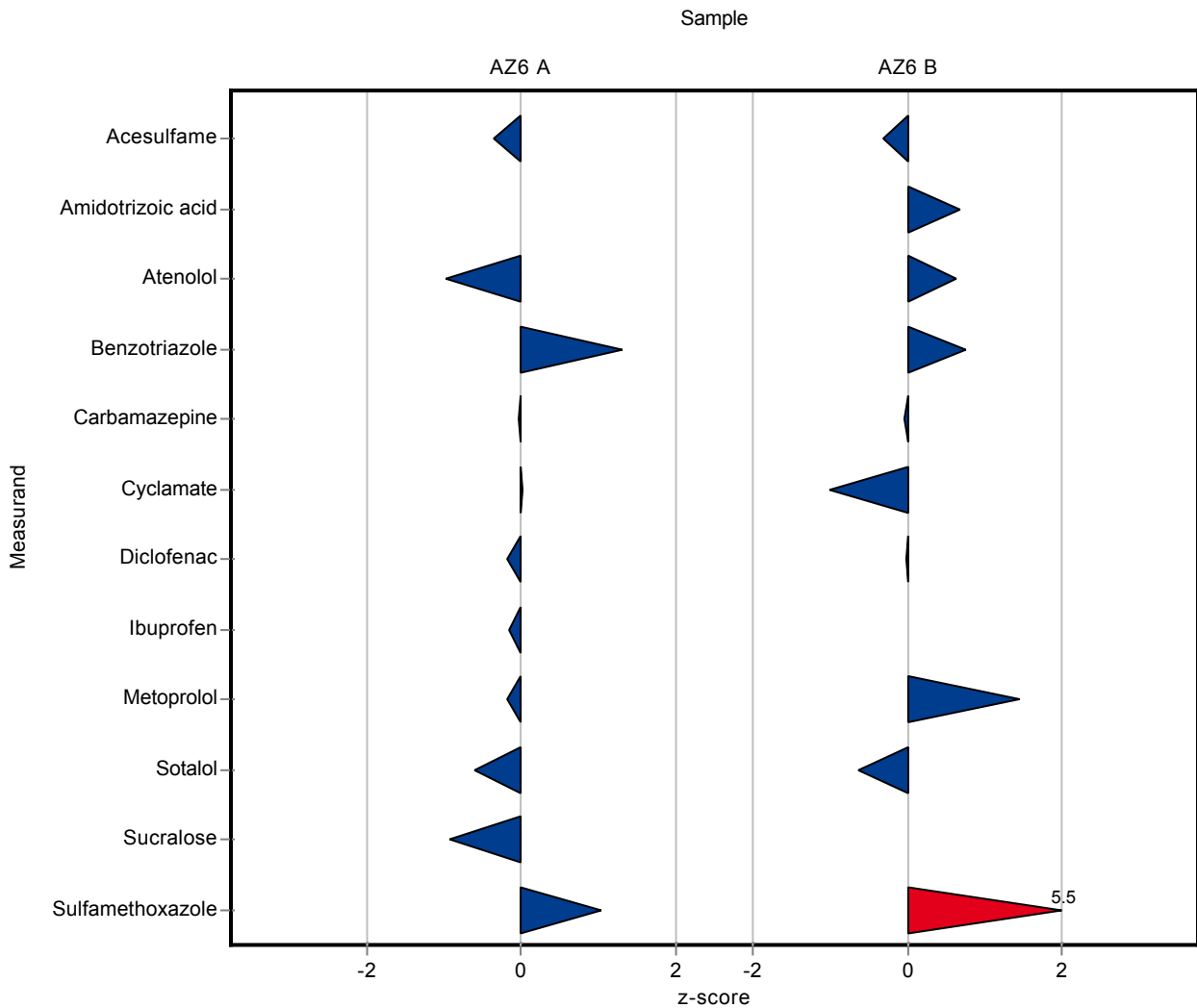
Sample: AZ6A

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	0.133 ± 0.0101	0.124 ± 0.025	0.0253	93.2	-0.36
Amidotrizoic acid	µg/l	0.162 ± 0.0256	- ± -	0.0443	-	-
Atenolol	µg/l	0.14 ± 0.0199	0.11 ± 0.022	0.0315	78.4	-0.96
Benzotriazole	µg/l	0.151 ± 0.00939	0.177 ± 0.035	0.0197	117	1.31
Bisoprolol	µg/l	- ± -	- ± -	-	-	-
Carbamazepine	µg/l	0.131 ± 0.00341	0.131 ± 0.026	0.0184	99.7	-0.02
Cyclamate	µg/l	0.0645 ± 0.0127	0.065 ± 0.013	0.0211	101	0.02
Diazepam	µg/l	- ± -	- ± -	-	-	-
Diclofenac	µg/l	0.142 ± 0.0135	0.137 ± 0.027	0.0262	96.7	-0.18
Ibuprofen	µg/l	0.479 ± 0.00947	0.471 ± 0.094	0.0479	98.4	-0.16
Iopamidol	µg/l	0.229 ± 0.0332	- ± -	0.0599	-	-
Metoprolol	µg/l	0.0984 ± 0.0113	0.094 ± 0.019	0.0256	95.5	-0.17
Saccharin	µg/l	0.0501 ± 0.00946	- ± -	0.0134	-	-
Sotalol	µg/l	0.184 ± 0.0207	0.161 ± 0.032	0.0374	87.6	-0.61
Sucralose	µg/l	0.26 ± 0.0491	0.184 ± 0.037	0.0832	70.8	-0.91
Sulfamethoxazole	µg/l	0.0507 ± 0.00354	0.057 ± 0.011	0.00613	112	1.03

Sample: AZ6B

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	19 ± 2	17.8 ± 3.6	3.75	93.8	-0.31
Amidotrizoic acid	µg/l	0.986 ± 0.0861	1.12 ± 0.22	0.197	114	0.68
Atenolol	µg/l	0.515 ± 0.0904	0.61 ± 0.122	0.15	119	0.64
Benzotriazole	µg/l	7.82 ± 0.351	8.59 ± 1.72	1.02	110	0.76
Bisoprolol	µg/l	- ± -	- ± -	-	-	-
Carbamazepine	µg/l	0.387 ± 0.0241	0.385 ± 0.077	0.0542	99.4	-0.04
Cyclamate	µg/l	0.146 ± 0.0396	0.079 ± 0.016	0.0656	54.1	-1.02

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion Recovery	Recovery [%]	z-Score
Diazepam	µg/l	0.307 ± 0.0387	- ± -	0.0512	-	-
Diclofenac	µg/l	2.48 ± 0.148	2.48 ± 0.5	0.348	99.8	-0.01
Ibuprofen	µg/l	- ± -	0.072 ± 0.014	-	-	-
Iopamidol	µg/l	8.33 ± 1	- ± -	1.67	-	-
Metoprolol	µg/l	0.251 ± 0.0352	0.345 ± 0.069	0.0654	137	1.43
Saccharin	µg/l	0.697 ± 0.0403	- ± -	0.167	-	-
Sotalol	µg/l	0.202 ± 0.0319	0.166 ± 0.033	0.0575	82	-0.63
Sucralose	µg/l	7.71 ± 1.06	- ± -	2.47	-	-
Sulfamethoxazole	µg/l	0.0362 ± 0.00253	0.06 ± 0.012	0.00435	166	5.46



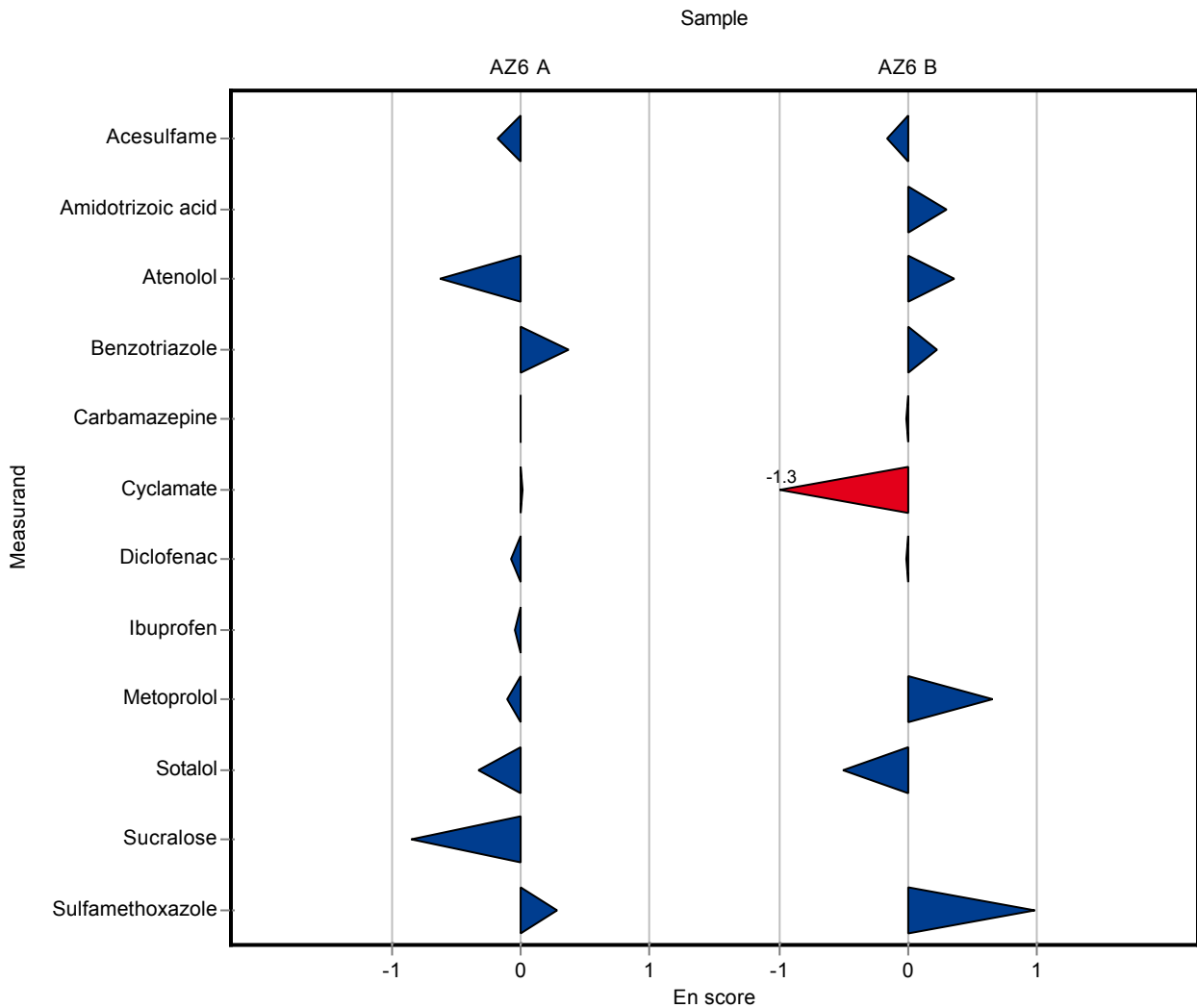
Sample: AZ6A

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	0.133 ± 0.0101	0.124 ± 0.025	0.0253	93.2	-0.18
Amidotrizoic acid	µg/l	0.162 ± 0.0256	- ± -	0.0443	-	-
Atenolol	µg/l	0.14 ± 0.0199	0.11 ± 0.022	0.0315	78.4	-0.63
Benzotriazole	µg/l	0.151 ± 0.00939	0.177 ± 0.035	0.0197	117	0.36
Bisoprolol	µg/l	- ± -	- ± -	-	-	-
Carbamazepine	µg/l	0.131 ± 0.00341	0.131 ± 0.026	0.0184	99.7	-0.01
Cyclamate	µg/l	0.0645 ± 0.0127	0.065 ± 0.013	0.0211	101	0.02
Diazepam	µg/l	- ± -	- ± -	-	-	-
Diclofenac	µg/l	0.142 ± 0.0135	0.137 ± 0.027	0.0262	96.7	-0.08
Ibuprofen	µg/l	0.479 ± 0.00947	0.471 ± 0.094	0.0479	98.4	-0.04
Iopamidol	µg/l	0.229 ± 0.0332	- ± -	0.0599	-	-
Metoprolol	µg/l	0.0984 ± 0.0113	0.094 ± 0.019	0.0256	95.5	-0.11
Saccharin	µg/l	0.0501 ± 0.00946	- ± -	0.0134	-	-
Sotalol	µg/l	0.184 ± 0.0207	0.161 ± 0.032	0.0374	87.6	-0.34
Sucralose	µg/l	0.26 ± 0.0491	0.184 ± 0.037	0.0832	70.8	-0.86
Sulfamethoxazole	µg/l	0.0507 ± 0.00354	0.057 ± 0.011	0.00613	112	0.28

Sample: AZ6B

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	19 ± 2	17.8 ± 3.6	3.75	93.8	-0.16
Amidotrizoic acid	µg/l	0.986 ± 0.0861	1.12 ± 0.22	0.197	114	0.30
Atenolol	µg/l	0.515 ± 0.0904	0.61 ± 0.122	0.15	119	0.37
Benzotriazole	µg/l	7.82 ± 0.351	8.59 ± 1.72	1.02	110	0.22
Bisoprolol	µg/l	- ± -	- ± -	-	-	-
Carbamazepine	µg/l	0.387 ± 0.0241	0.385 ± 0.077	0.0542	99.4	-0.01
Cyclamate	µg/l	0.146 ± 0.0396	0.079 ± 0.016	0.0656	54.1	-1.32

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion Recovery	En-Score [%]
Diazepam	µg/l	0.307 ± 0.0387	- ± -	0.0512	-
Diclofenac	µg/l	2.48 ± 0.148	2.48 ± 0.5	0.348	99.8
Ibuprofen	µg/l	- ± -	0.072 ± 0.014	-	-
Iopamidol	µg/l	8.33 ± 1	- ± -	1.67	-
Metoprolol	µg/l	0.251 ± 0.0352	0.345 ± 0.069	0.0654	137
Saccharin	µg/l	0.697 ± 0.0403	- ± -	0.167	-
Sotalol	µg/l	0.202 ± 0.0319	0.166 ± 0.033	0.0575	82
Sucralose	µg/l	7.71 ± 1.06	- ± -	2.47	-
Sulfamethoxazole	µg/l	0.0362 ± 0.00253	0.06 ± 0.012	0.00435	166



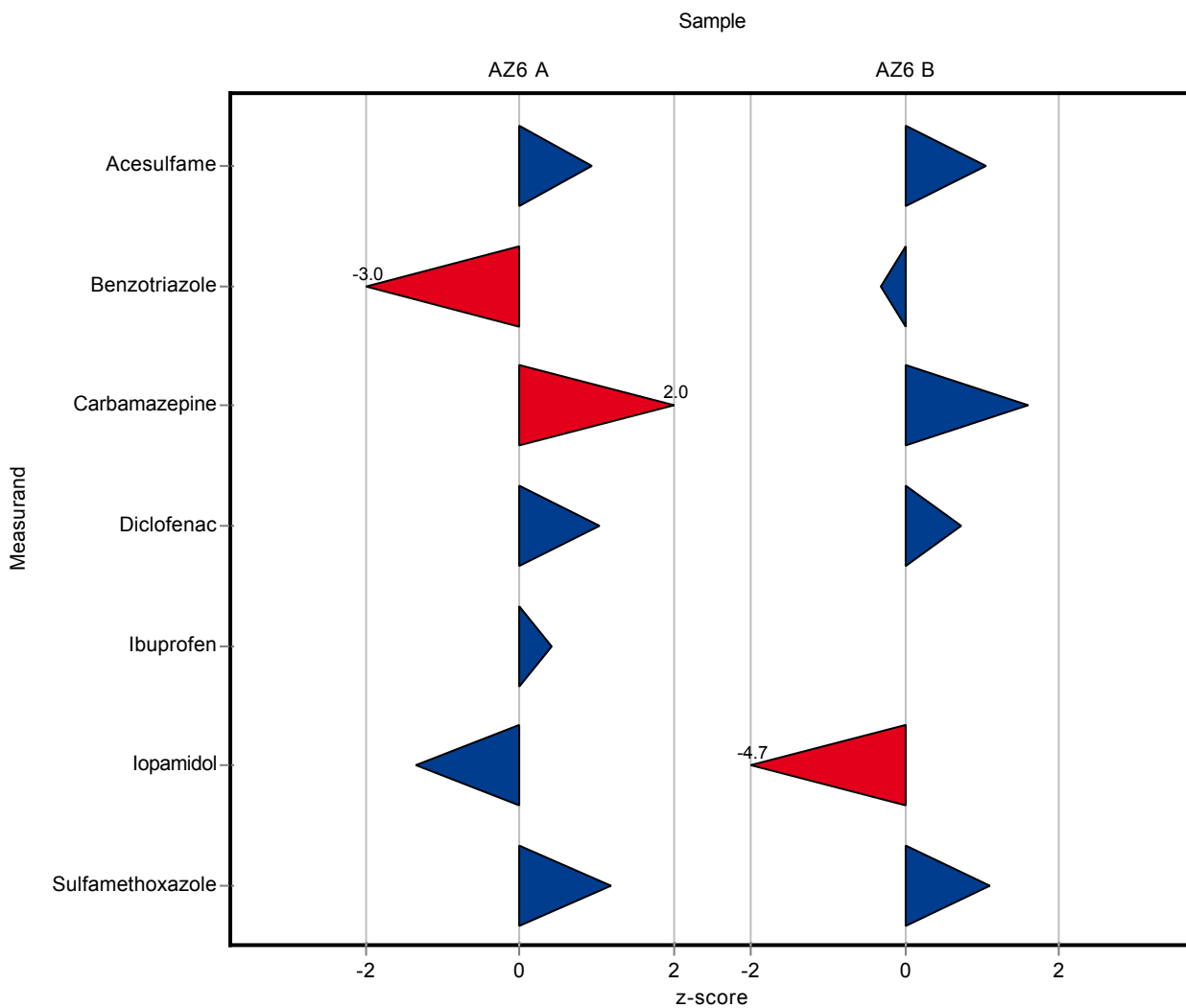
Sample: AZ6A

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	0.133 ± 0.0101	0.157 ± 0.022	0.0253	118	0.95
Amidotrizoic acid	µg/l	0.162 ± 0.0256	- ± -	0.0443	-	-
Atenolol	µg/l	0.14 ± 0.0199	- ± -	0.0315	-	-
Benzotriazole	µg/l	0.151 ± 0.00939	0.093 ± 0.0158	0.0197	61.5	-2.96
Bisoprolol	µg/l	- ± -	- ± -	-	-	-
Carbamazepine	µg/l	0.131 ± 0.00341	0.169 ± 0.0254	0.0184	129	2.05
Cyclamate	µg/l	0.0645 ± 0.0127	- ± -	0.0211	-	-
Diazepam	µg/l	- ± -	- ± -	-	-	-
Diclofenac	µg/l	0.142 ± 0.0135	0.169 ± 0.0338	0.0262	119	1.04
Ibuprofen	µg/l	0.479 ± 0.00947	0.498 ± 0.1494	0.0479	104	0.41
Iopamidol	µg/l	0.229 ± 0.0332	0.149 ± 0.0373	0.0599	64.9	-1.34
Metoprolol	µg/l	0.0984 ± 0.0113	- ± -	0.0256	-	-
Saccharin	µg/l	0.0501 ± 0.00946	- ± -	0.0134	-	-
Sotalol	µg/l	0.184 ± 0.0207	- ± -	0.0374	-	-
Sucralose	µg/l	0.26 ± 0.0491	- ± -	0.0832	-	-
Sulfamethoxazole	µg/l	0.0507 ± 0.00354	0.058 ± 0.0087	0.00613	114	1.19

Sample: AZ6B

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	19 ± 2	22.876 ± 3.203	3.75	121	1.04
Amidotrizoic acid	µg/l	0.986 ± 0.0861	- ± -	0.197	-	-
Atenolol	µg/l	0.515 ± 0.0904	- ± -	0.15	-	-
Benzotriazole	µg/l	7.82 ± 0.351	7.496 ± 1.274	1.02	95.8	-0.32
Bisoprolol	µg/l	- ± -	- ± -	-	-	-
Carbamazepine	µg/l	0.387 ± 0.0241	0.473 ± 0.071	0.0542	122	1.58
Cyclamate	µg/l	0.146 ± 0.0396	- ± -	0.0656	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion Recovery	Recovery [%]	z-Score
Diazepam	µg/l	0.307 ± 0.0387	- ± -	0.0512	-	-
Diclofenac	µg/l	2.48 ± 0.148	2.74 ± 0.548	0.348	110	0.73
Ibuprofen	µg/l	- ± -	0.082 ± 0.025	-	-	-
Iopamidol	µg/l	8.33 ± 1	0.536 ± 0.134	1.67	6.44	-4.68
Metoprolol	µg/l	0.251 ± 0.0352	- ± -	0.0654	-	-
Saccharin	µg/l	0.697 ± 0.0403	- ± -	0.167	-	-
Sotalol	µg/l	0.202 ± 0.0319	- ± -	0.0575	-	-
Sucralose	µg/l	7.71 ± 1.06	- ± -	2.47	-	-
Sulfamethoxazole	µg/l	0.0362 ± 0.00253	0.041 ± 0.006	0.00435	113	1.09



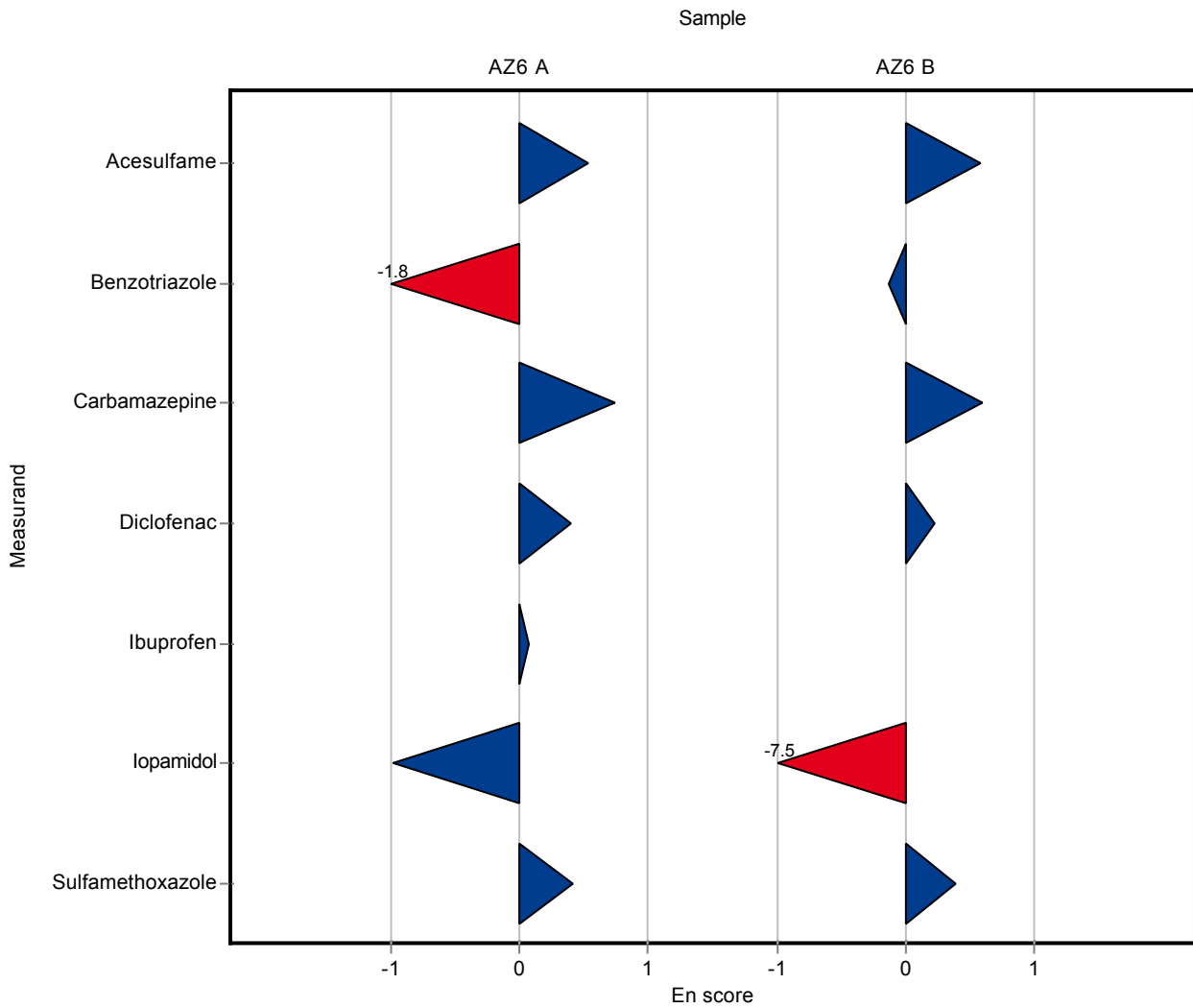
Sample: AZ6A

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	0.133 ± 0.0101	0.157 ± 0.022	0.0253	118	0.53
Amidotrizoic acid	µg/l	0.162 ± 0.0256	- ± -	0.0443	-	-
Atenolol	µg/l	0.14 ± 0.0199	- ± -	0.0315	-	-
Benzotriazole	µg/l	0.151 ± 0.00939	0.093 ± 0.0158	0.0197	61.5	-1.77
Bisoprolol	µg/l	- ± -	- ± -	-	-	-
Carbamazepine	µg/l	0.131 ± 0.00341	0.169 ± 0.0254	0.0184	129	0.74
Cyclamate	µg/l	0.0645 ± 0.0127	- ± -	0.0211	-	-
Diazepam	µg/l	- ± -	- ± -	-	-	-
Diclofenac	µg/l	0.142 ± 0.0135	0.169 ± 0.0338	0.0262	119	0.40
Ibuprofen	µg/l	0.479 ± 0.00947	0.498 ± 0.1494	0.0479	104	0.07
Iopamidol	µg/l	0.229 ± 0.0332	0.149 ± 0.0373	0.0599	64.9	-0.98
Metoprolol	µg/l	0.0984 ± 0.0113	- ± -	0.0256	-	-
Saccharin	µg/l	0.0501 ± 0.00946	- ± -	0.0134	-	-
Sotalol	µg/l	0.184 ± 0.0207	- ± -	0.0374	-	-
Sucralose	µg/l	0.26 ± 0.0491	- ± -	0.0832	-	-
Sulfamethoxazole	µg/l	0.0507 ± 0.00354	0.058 ± 0.0087	0.00613	114	0.41

Sample: AZ6B

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	19 ± 2	22.876 ± 3.203	3.75	121	0.58
Amidotrizoic acid	µg/l	0.986 ± 0.0861	- ± -	0.197	-	-
Atenolol	µg/l	0.515 ± 0.0904	- ± -	0.15	-	-
Benzotriazole	µg/l	7.82 ± 0.351	7.496 ± 1.274	1.02	95.8	-0.13
Bisoprolol	µg/l	- ± -	- ± -	-	-	-
Carbamazepine	µg/l	0.387 ± 0.0241	0.473 ± 0.071	0.0542	122	0.59
Cyclamate	µg/l	0.146 ± 0.0396	- ± -	0.0656	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion Recovery	En-Score [%]
Diazepam	µg/l	0.307 ± 0.0387	- ± -	0.0512	-
Diclofenac	µg/l	2.48 ± 0.148	2.74 ± 0.548	0.348	110
Ibuprofen	µg/l	- ± -	0.082 ± 0.025	-	-
Iopamidol	µg/l	8.33 ± 1	0.536 ± 0.134	1.67	6.44
Metoprolol	µg/l	0.251 ± 0.0352	- ± -	0.0654	-
Saccharin	µg/l	0.697 ± 0.0403	- ± -	0.167	-
Sotalol	µg/l	0.202 ± 0.0319	- ± -	0.0575	-
Sucralose	µg/l	7.71 ± 1.06	- ± -	2.47	-
Sulfamethoxazole	µg/l	0.0362 ± 0.00253	0.041 ± 0.006	0.00435	113



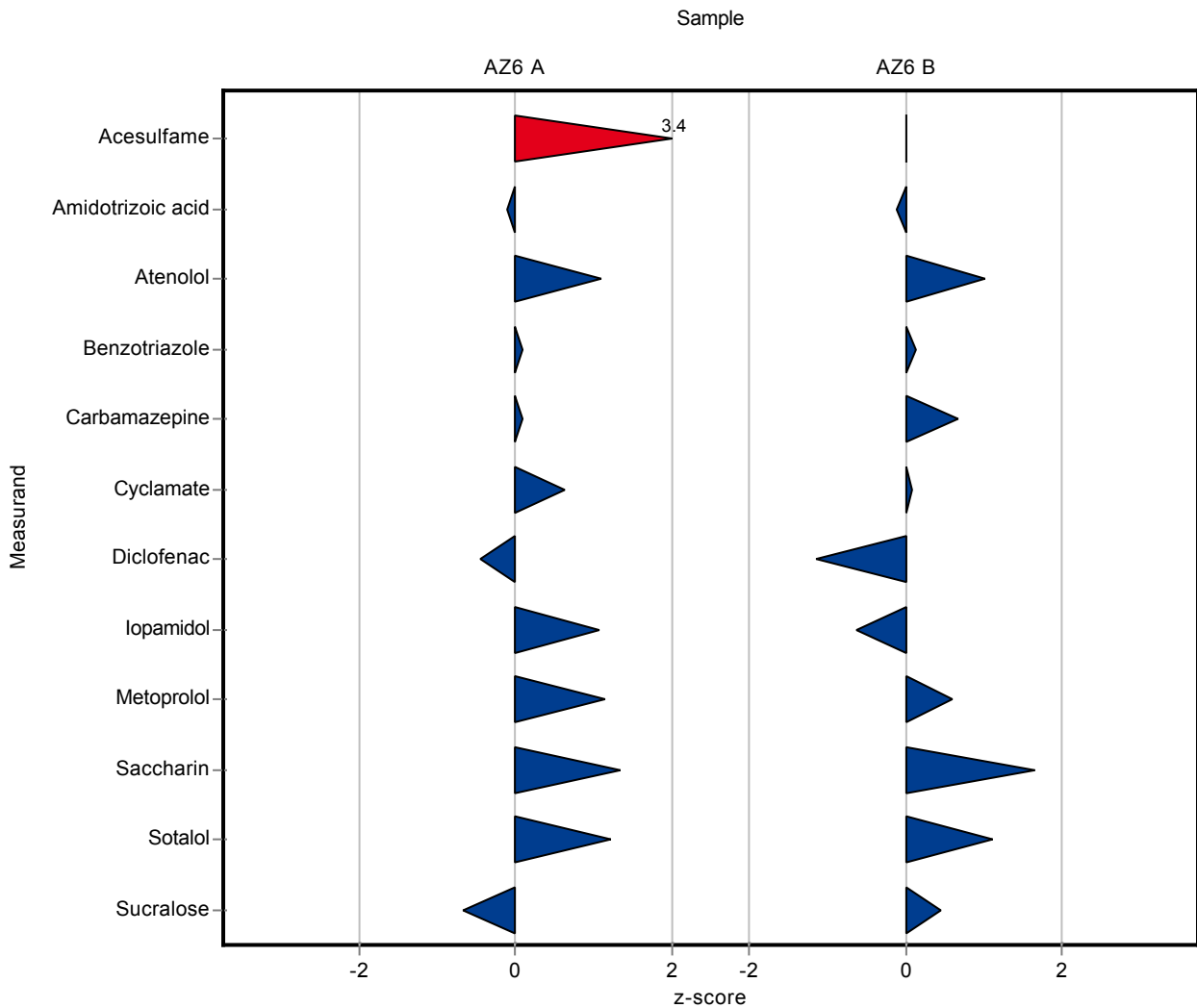
Sample: AZ6A

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	0.133 ± 0.0101	0.219 ± 0.025	0.0253	165	3.40
Amidotrizoic acid	µg/l	0.162 ± 0.0256	0.157 ± 0.025	0.0443	96.8	-0.12
Atenolol	µg/l	0.14 ± 0.0199	0.175 ± 0.017	0.0315	125	1.10
Benzotriazole	µg/l	0.151 ± 0.00939	0.153 ± 0.013	0.0197	101	0.09
Bisoprolol	µg/l	- ± -	- ± -	-	-	-
Carbamazepine	µg/l	0.131 ± 0.00341	0.133 ± 0.014	0.0184	101	0.09
Cyclamate	µg/l	0.0645 ± 0.0127	0.078 ± 0.01	0.0211	121	0.64
Diazepam	µg/l	- ± -	- ± -	-	-	-
Diclofenac	µg/l	0.142 ± 0.0135	0.13 ± 0.016	0.0262	91.8	-0.45
Ibuprofen	µg/l	0.479 ± 0.00947	- ± -	0.0479	-	-
Iopamidol	µg/l	0.229 ± 0.0332	0.294 ± 0.044	0.0599	128	1.08
Metoprolol	µg/l	0.0984 ± 0.0113	0.128 ± 0.013	0.0256	130	1.16
Saccharin	µg/l	0.0501 ± 0.00946	0.068 ± 0.009	0.0134	136	1.34
Sotalol	µg/l	0.184 ± 0.0207	0.229 ± 0.02	0.0374	125	1.21
Sucralose	µg/l	0.26 ± 0.0491	0.204 ± 0.031	0.0832	78.5	-0.67
Sulfamethoxazole	µg/l	0.0507 ± 0.00354	<0.02 (LOQ) ± -	0.00613	-	-

Sample: AZ6B

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	19 ± 2	19.052 ± 2.13	3.75	100	0.02
Amidotrizoic acid	µg/l	0.986 ± 0.0861	0.963 ± 0.145	0.197	97.7	-0.12
Atenolol	µg/l	0.515 ± 0.0904	0.667 ± 0.067	0.15	130	1.02
Benzotriazole	µg/l	7.82 ± 0.351	7.96 ± 0.796	1.02	102	0.14
Bisoprolol	µg/l	- ± -	- ± -	-	-	-
Carbamazepine	µg/l	0.387 ± 0.0241	0.424 ± 0.043	0.0542	109	0.68
Cyclamate	µg/l	0.146 ± 0.0396	0.151 ± 0.019	0.0656	103	0.08

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Diazepam	µg/l	0.307 ± 0.0387	- ± -	0.0512	-	-
Diclofenac	µg/l	2.48 ± 0.148	2.084 ± 0.253	0.348	83.9	-1.15
Ibuprofen	µg/l	- ± -	- ± -	-	-	-
Iopamidol	µg/l	8.33 ± 1	7.292 ± 1.094	1.67	87.6	-0.62
Metoprolol	µg/l	0.251 ± 0.0352	0.29 ± 0.03	0.0654	115	0.59
Saccharin	µg/l	0.697 ± 0.0403	0.973 ± 0.122	0.167	140	1.65
Sotalol	µg/l	0.202 ± 0.0319	0.267 ± 0.024	0.0575	132	1.12
Sucralose	µg/l	7.71 ± 1.06	8.799 ± 1.32	2.47	114	0.44
Sulfamethoxazole	µg/l	0.0362 ± 0.00253	<0.02 (LOQ) ± -	0.00435	-	-



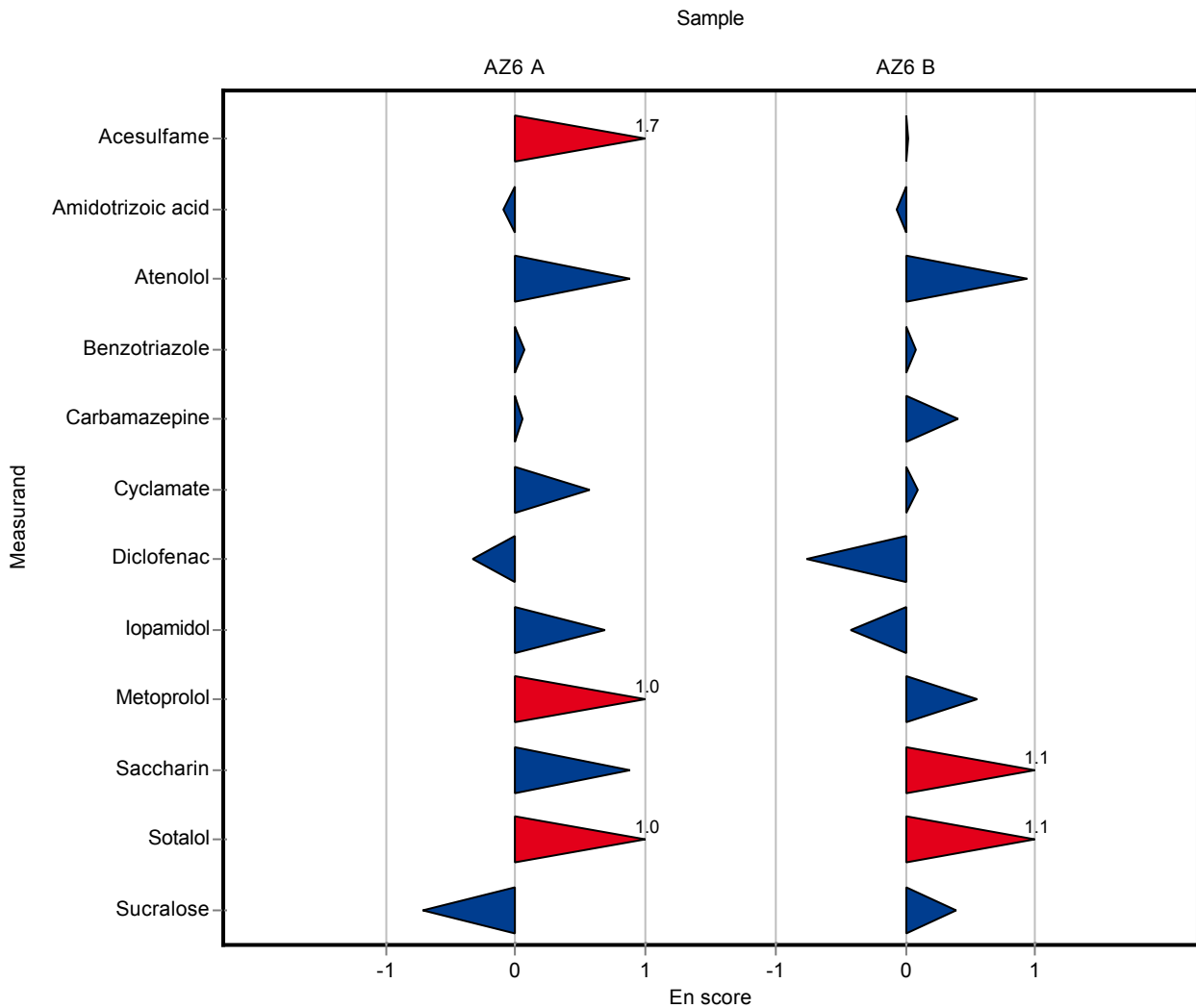
Sample: AZ6A

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	0.133 ± 0.0101	0.219 ± 0.025	0.0253	165	1.69
Amidotrizoic acid	µg/l	0.162 ± 0.0256	0.157 ± 0.025	0.0443	96.8	-0.09
Atenolol	µg/l	0.14 ± 0.0199	0.175 ± 0.017	0.0315	125	0.88
Benzotriazole	µg/l	0.151 ± 0.00939	0.153 ± 0.013	0.0197	101	0.06
Bisoprolol	µg/l	- ± -	- ± -	-	-	-
Carbamazepine	µg/l	0.131 ± 0.00341	0.133 ± 0.014	0.0184	101	0.06
Cyclamate	µg/l	0.0645 ± 0.0127	0.078 ± 0.01	0.0211	121	0.57
Diazepam	µg/l	- ± -	- ± -	-	-	-
Diclofenac	µg/l	0.142 ± 0.0135	0.13 ± 0.016	0.0262	91.8	-0.34
Ibuprofen	µg/l	0.479 ± 0.00947	- ± -	0.0479	-	-
Iopamidol	µg/l	0.229 ± 0.0332	0.294 ± 0.044	0.0599	128	0.69
Metoprolol	µg/l	0.0984 ± 0.0113	0.128 ± 0.013	0.0256	130	1.04
Saccharin	µg/l	0.0501 ± 0.00946	0.068 ± 0.009	0.0134	136	0.88
Sotalol	µg/l	0.184 ± 0.0207	0.229 ± 0.02	0.0374	125	1.01
Sucralose	µg/l	0.26 ± 0.0491	0.204 ± 0.031	0.0832	78.5	-0.71
Sulfamethoxazole	µg/l	0.0507 ± 0.00354	<0.02 (LOQ) ± -	0.00613	-	-

Sample: AZ6B

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	19 ± 2	19.052 ± 2.13	3.75	100	0.02
Amidotrizoic acid	µg/l	0.986 ± 0.0861	0.963 ± 0.145	0.197	97.7	-0.08
Atenolol	µg/l	0.515 ± 0.0904	0.667 ± 0.067	0.15	130	0.94
Benzotriazole	µg/l	7.82 ± 0.351	7.96 ± 0.796	1.02	102	0.08
Bisoprolol	µg/l	- ± -	- ± -	-	-	-
Carbamazepine	µg/l	0.387 ± 0.0241	0.424 ± 0.043	0.0542	109	0.41
Cyclamate	µg/l	0.146 ± 0.0396	0.151 ± 0.019	0.0656	103	0.09

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion Recovery	En-Score [%]
Diazepam	µg/l	0.307 ± 0.0387	- ± -	0.0512	-
Diclofenac	µg/l	2.48 ± 0.148	2.084 ± 0.253	0.348	83.9
Ibuprofen	µg/l	- ± -	- ± -	-	-
Iopamidol	µg/l	8.33 ± 1	7.292 ± 1.094	1.67	87.6
Metoprolol	µg/l	0.251 ± 0.0352	0.29 ± 0.03	0.0654	115
Saccharin	µg/l	0.697 ± 0.0403	0.973 ± 0.122	0.167	140
Sotalol	µg/l	0.202 ± 0.0319	0.267 ± 0.024	0.0575	132
Sucralose	µg/l	7.71 ± 1.06	8.799 ± 1.32	2.47	114
Sulfamethoxazole	µg/l	0.0362 ± 0.00253	<0.02 (LOQ) ± -	0.00435	-



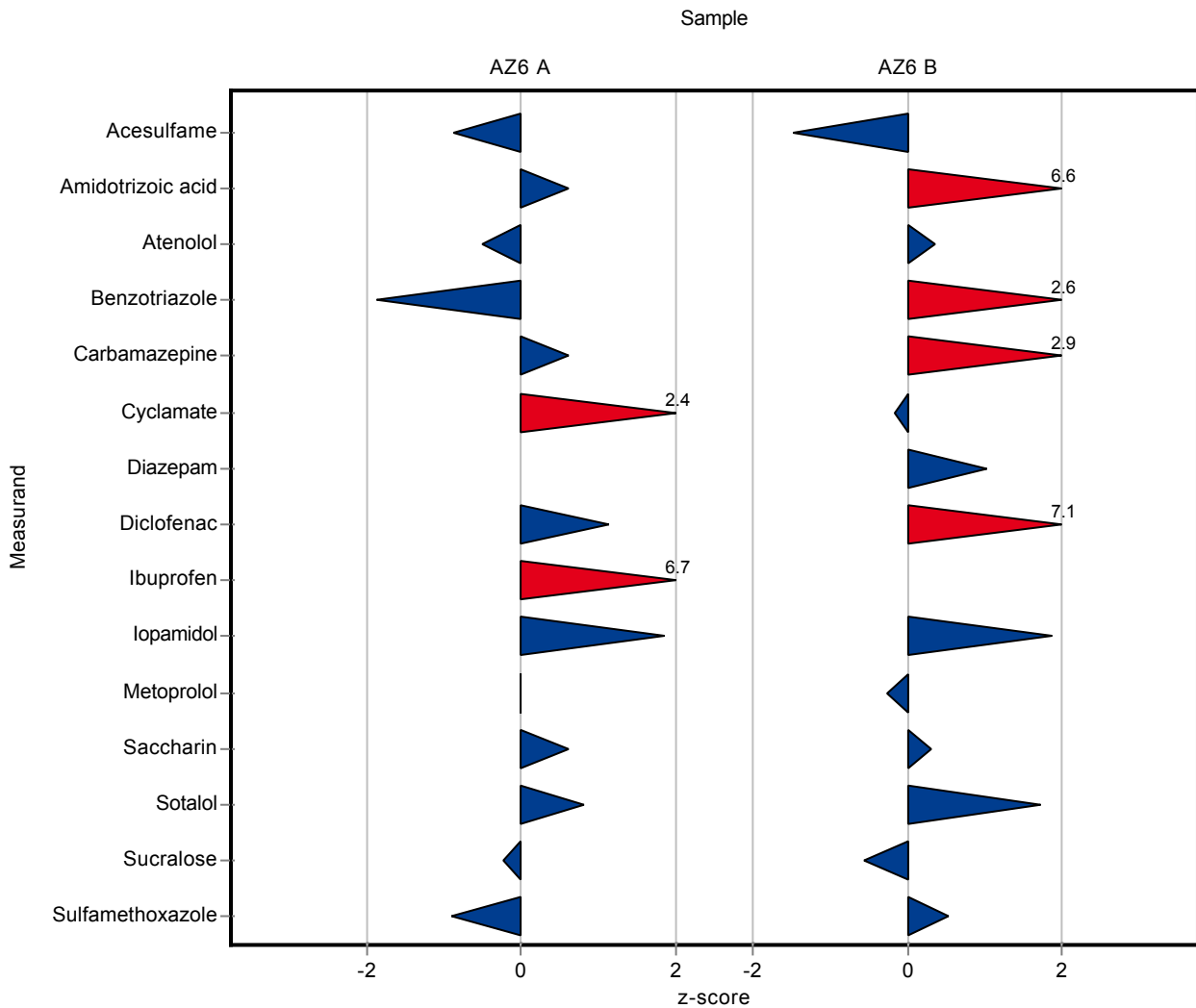
Sample: AZ6A

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	- ± -	0.0762 ± 0.019	-	-	-
Acesulfame	µg/l	0.133 ± 0.0101	0.1108 ± 0.031	0.0253	83.3	-0.88
Amidotrizoic acid	µg/l	0.162 ± 0.0256	0.1898 ± 0.228	0.0443	117	0.63
Atenolol	µg/l	0.14 ± 0.0199	0.1248 ± 0.028	0.0315	89	-0.49
Benzotriazole	µg/l	0.151 ± 0.00939	0.1144 ± 0.056	0.0197	75.6	-1.88
Bisoprolol	µg/l	- ± -	0.0737 ± 0.026	-	-	-
Carbamazepine	µg/l	0.131 ± 0.00341	0.1425 ± 0.065	0.0184	108	0.60
Cyclamate	µg/l	0.0645 ± 0.0127	0.1144 ± 0.066	0.0211	177	2.37
Diazepam	µg/l	- ± -	<0.01 (LOQ) ± -	-	-	-
Diclofenac	µg/l	0.142 ± 0.0135	0.1712 ± 0.146	0.0262	121	1.13
Ibuprofen	µg/l	0.479 ± 0.00947	0.7983 ± 0.792	0.0479	167	6.68
Iopamidol	µg/l	0.229 ± 0.0332	0.34 ± 0.197	0.0599	148	1.85
Metoprolol	µg/l	0.0984 ± 0.0113	0.0982 ± 0.044	0.0256	99.8	-0.01
Saccharin	µg/l	0.0501 ± 0.00946	0.0583 ± 0.015	0.0134	116	0.61
Sotalol	µg/l	0.184 ± 0.0207	0.2142 ± 0.129	0.0374	117	0.82
Sucralose	µg/l	0.26 ± 0.0491	0.2415 ± 0.093	0.0832	92.9	-0.22
Sulfamethoxazole	µg/l	0.0507 ± 0.00354	0.0451 ± 0.019	0.00613	89	-0.91

Sample: AZ6B

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	- ± -	0.8146 ± 0.206	-	-	-
Acesulfame	µg/l	19 ± 2	13.43 ± 3.72	3.75	70.8	-1.48
Amidotrizoic acid	µg/l	0.986 ± 0.0861	2.29 ± 2.75	0.197	232	6.62
Atenolol	µg/l	0.515 ± 0.0904	0.5665 ± 0.129	0.15	110	0.35
Benzotriazole	µg/l	7.82 ± 0.351	10.46 ± 5.17	1.02	134	2.59
Bisoprolol	µg/l	- ± -	0.3344 ± 0.116	-	-	-
Carbamazepine	µg/l	0.387 ± 0.0241	0.5461 ± 0.25	0.0542	141	2.93
Cyclamate	µg/l	0.146 ± 0.0396	0.1347 ± 0.078	0.0656	92.2	-0.17

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Diazepam	µg/l	0.307 ± 0.0387	0.36 ± 0.234	0.0512	117	1.03
Diclofenac	µg/l	2.48 ± 0.148	4.97 ± 4.23	0.348	200	7.14
Ibuprofen	µg/l	- ± -	<0.1 (LOQ) ± -	-	-	-
Iopamidol	µg/l	8.33 ± 1	11.45 ± 6.63	1.67	138	1.88
Metoprolol	µg/l	0.251 ± 0.0352	0.2343 ± 0.104	0.0654	93.2	-0.26
Saccharin	µg/l	0.697 ± 0.0403	0.7495 ± 0.197	0.167	108	0.31
Sotalol	µg/l	0.202 ± 0.0319	0.3013 ± 0.182	0.0575	149	1.72
Sucralose	µg/l	7.71 ± 1.06	6.32 ± 2.44	2.47	82	-0.56
Sulfamethoxazole	µg/l	0.0362 ± 0.00253	0.0385 ± 0.016	0.00435	106	0.52



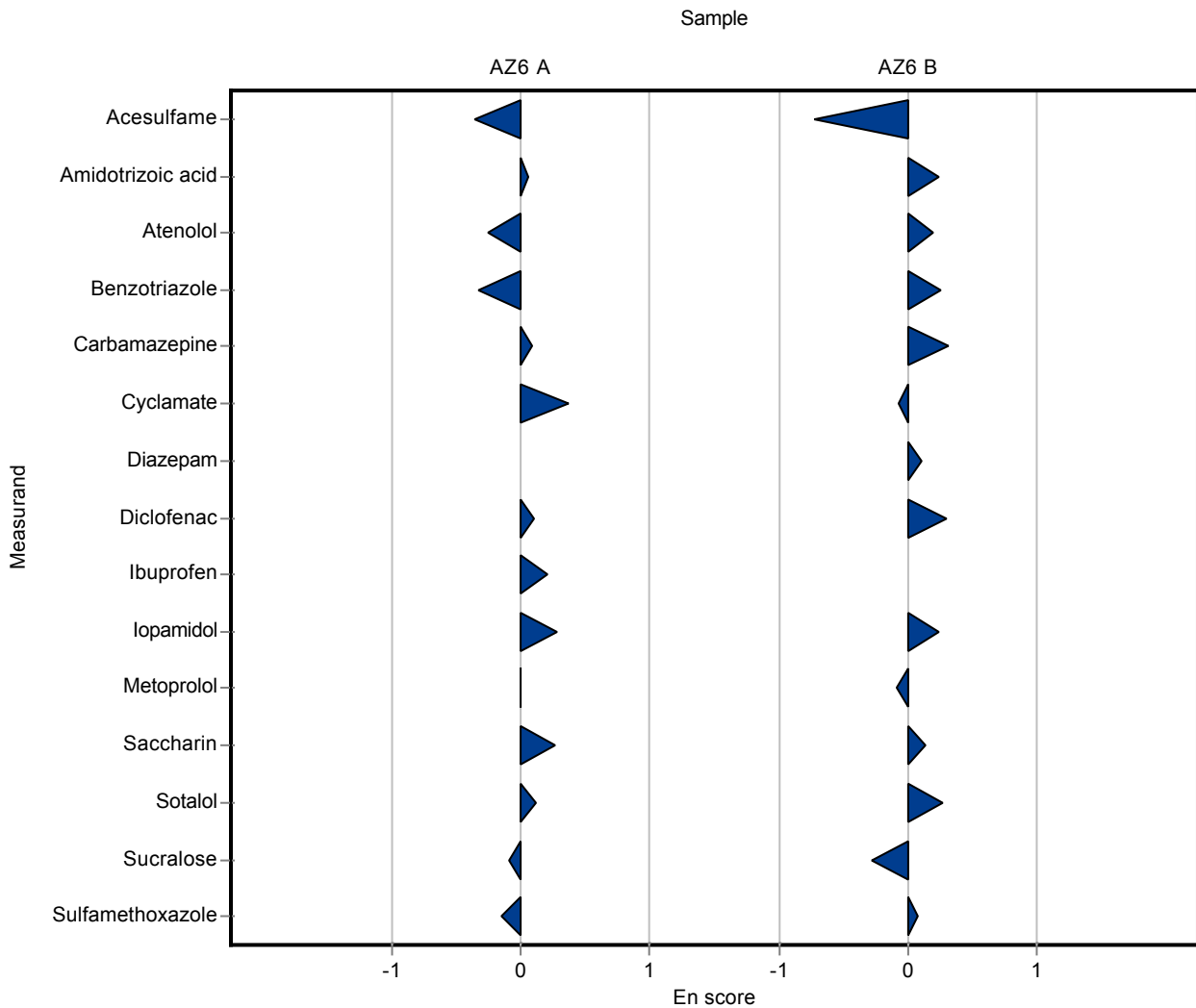
Sample: AZ6A

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	- ± -	0.0762 ± 0.019	-	-	-
Acesulfame	µg/l	0.133 ± 0.0101	0.1108 ± 0.031	0.0253	83.3	-0.35
Amidotrizoic acid	µg/l	0.162 ± 0.0256	0.1898 ± 0.228	0.0443	117	0.06
Atenolol	µg/l	0.14 ± 0.0199	0.1248 ± 0.028	0.0315	89	-0.26
Benzotriazole	µg/l	0.151 ± 0.00939	0.1144 ± 0.056	0.0197	75.6	-0.33
Bisoprolol	µg/l	- ± -	0.0737 ± 0.026	-	-	-
Carbamazepine	µg/l	0.131 ± 0.00341	0.1425 ± 0.065	0.0184	108	0.09
Cyclamate	µg/l	0.0645 ± 0.0127	0.1144 ± 0.066	0.0211	177	0.38
Diazepam	µg/l	- ± -	<0.01 (LOQ) ± -	-	-	-
Diclofenac	µg/l	0.142 ± 0.0135	0.1712 ± 0.146	0.0262	121	0.10
Ibuprofen	µg/l	0.479 ± 0.00947	0.7983 ± 0.792	0.0479	167	0.20
Iopamidol	µg/l	0.229 ± 0.0332	0.34 ± 0.197	0.0599	148	0.28
Metoprolol	µg/l	0.0984 ± 0.0113	0.0982 ± 0.044	0.0256	99.8	0.00
Saccharin	µg/l	0.0501 ± 0.00946	0.0583 ± 0.015	0.0134	116	0.26
Sotalol	µg/l	0.184 ± 0.0207	0.2142 ± 0.129	0.0374	117	0.12
Sucralose	µg/l	0.26 ± 0.0491	0.2415 ± 0.093	0.0832	92.9	-0.10
Sulfamethoxazole	µg/l	0.0507 ± 0.00354	0.0451 ± 0.019	0.00613	89	-0.15

Sample: AZ6B

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	- ± -	0.8146 ± 0.206	-	-	-
Acesulfame	µg/l	19 ± 2	13.43 ± 3.72	3.75	70.8	-0.72
Amidotrizoic acid	µg/l	0.986 ± 0.0861	2.29 ± 2.75	0.197	232	0.24
Atenolol	µg/l	0.515 ± 0.0904	0.5665 ± 0.129	0.15	110	0.19
Benzotriazole	µg/l	7.82 ± 0.351	10.46 ± 5.17	1.02	134	0.26
Bisoprolol	µg/l	- ± -	0.3344 ± 0.116	-	-	-
Carbamazepine	µg/l	0.387 ± 0.0241	0.5461 ± 0.25	0.0542	141	0.32
Cyclamate	µg/l	0.146 ± 0.0396	0.1347 ± 0.078	0.0656	92.2	-0.07

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion Recovery	En-Score [%]
Diazepam	µg/l	0.307 ± 0.0387	0.36 ± 0.234	0.0512	117
Diclofenac	µg/l	2.48 ± 0.148	4.97 ± 4.23	0.348	200
Ibuprofen	µg/l	- ± -	<0.1 (LOQ) ± -	-	-
Iopamidol	µg/l	8.33 ± 1	11.45 ± 6.63	1.67	138
Metoprolol	µg/l	0.251 ± 0.0352	0.2343 ± 0.104	0.0654	93.2
Saccharin	µg/l	0.697 ± 0.0403	0.7495 ± 0.197	0.167	108
Sotalol	µg/l	0.202 ± 0.0319	0.3013 ± 0.182	0.0575	149
Sucralose	µg/l	7.71 ± 1.06	6.32 ± 2.44	2.47	82
Sulfamethoxazole	µg/l	0.0362 ± 0.00253	0.0385 ± 0.016	0.00435	106



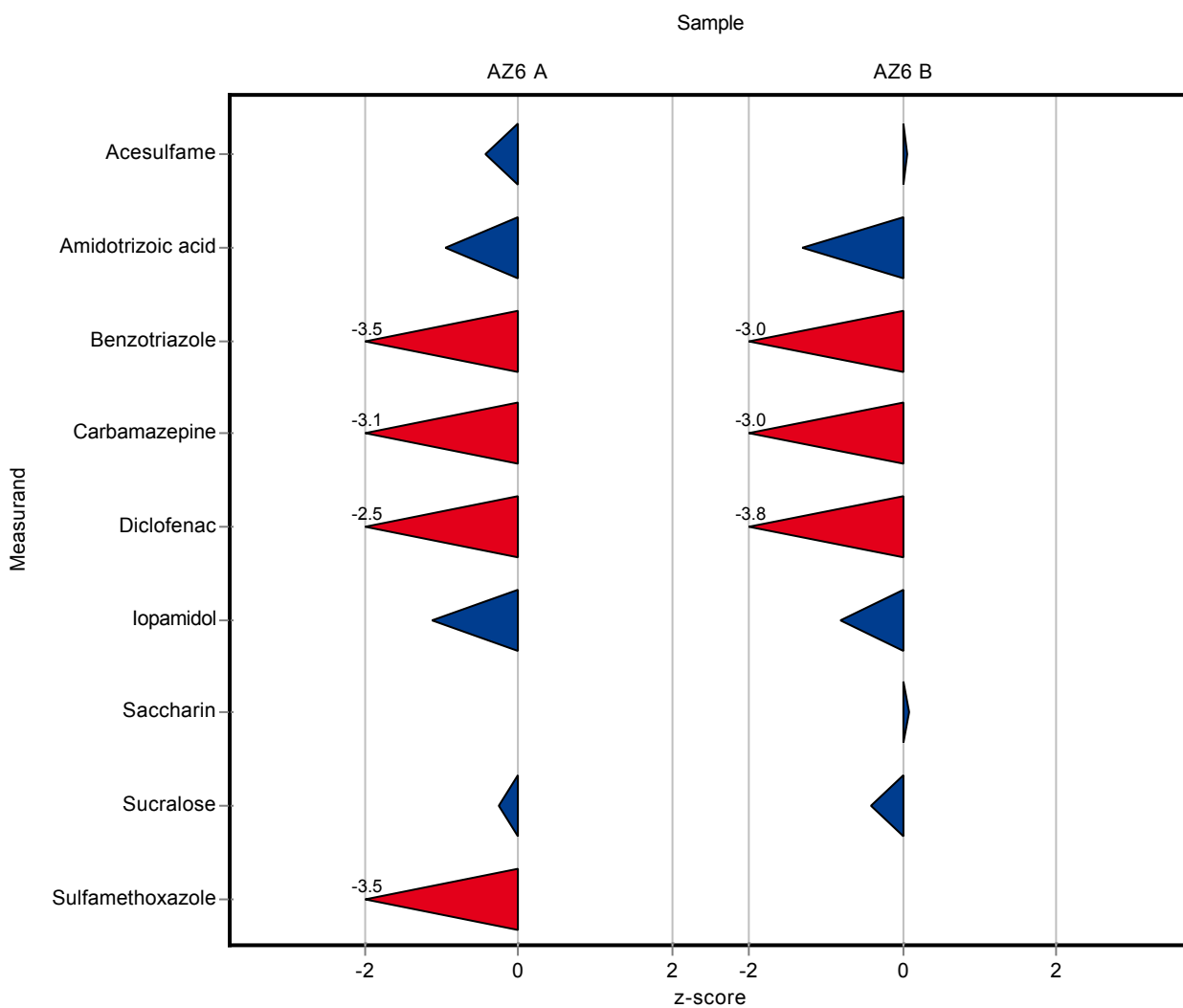
Sample: AZ6A

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	0.133 ± 0.0101	0.122 ± 0.024	0.0253	91.7	-0.44
Amidotrizoic acid	µg/l	0.162 ± 0.0256	0.12 ± 0.024	0.0443	74	-0.95
Atenolol	µg/l	0.14 ± 0.0199	- ± -	0.0315	-	-
Benzotriazole	µg/l	0.151 ± 0.00939	0.083 ± 0.017	0.0197	54.9	-3.47
Bisoprolol	µg/l	- ± -	- ± -	-	-	-
Carbamazepine	µg/l	0.131 ± 0.00341	0.074 ± 0.015	0.0184	56.3	-3.12
Cyclamate	µg/l	0.0645 ± 0.0127	<0.05 (LOQ) ± -	0.0211	-	-
Diazepam	µg/l	- ± -	- ± -	-	-	-
Diclofenac	µg/l	0.142 ± 0.0135	0.077 ± 0.015	0.0262	54.3	-2.47
Ibuprofen	µg/l	0.479 ± 0.00947	- ± -	0.0479	-	-
Iopamidol	µg/l	0.229 ± 0.0332	0.163 ± 0.033	0.0599	71	-1.11
Metoprolol	µg/l	0.0984 ± 0.0113	- ± -	0.0256	-	-
Saccharin	µg/l	0.0501 ± 0.00946	<0.05 (LOQ) ± -	0.0134	-	-
Sotalol	µg/l	0.184 ± 0.0207	- ± -	0.0374	-	-
Sucralose	µg/l	0.26 ± 0.0491	0.24 ± 0.07	0.0832	92.3	-0.24
Sulfamethoxazole	µg/l	0.0507 ± 0.00354	0.029 ± 0.006	0.00613	57.2	-3.54

Sample: AZ6B

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	19 ± 2	19.2 ± 3.8	3.75	101	0.06
Amidotrizoic acid	µg/l	0.986 ± 0.0861	0.73 ± 0.146	0.197	74.1	-1.30
Atenolol	µg/l	0.515 ± 0.0904	- ± -	0.15	-	-
Benzotriazole	µg/l	7.82 ± 0.351	4.79 ± 0.96	1.02	61.2	-2.98
Bisoprolol	µg/l	- ± -	- ± -	-	-	-
Carbamazepine	µg/l	0.387 ± 0.0241	0.227 ± 0.045	0.0542	58.6	-2.96
Cyclamate	µg/l	0.146 ± 0.0396	<0.1 (LOQ) ± -	0.0656	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Diazepam	µg/l	0.307 ± 0.0387	- ± -	0.0512	-	-
Diclofenac	µg/l	2.48 ± 0.148	1.15 ± 0.23	0.348	46.3	-3.84
Ibuprofen	µg/l	- ± -	- ± -	-	-	-
Iopamidol	µg/l	8.33 ± 1	6.96 ± 1.39	1.67	83.6	-0.82
Metoprolol	µg/l	0.251 ± 0.0352	- ± -	0.0654	-	-
Saccharin	µg/l	0.697 ± 0.0403	0.71 ± 0.21	0.167	102	0.08
Sotalol	µg/l	0.202 ± 0.0319	- ± -	0.0575	-	-
Sucralose	µg/l	7.71 ± 1.06	6.65 ± 1.99	2.47	86.3	-0.43
Sulfamethoxazole	µg/l	0.0362 ± 0.00253	- ± -	0.00435	-	-



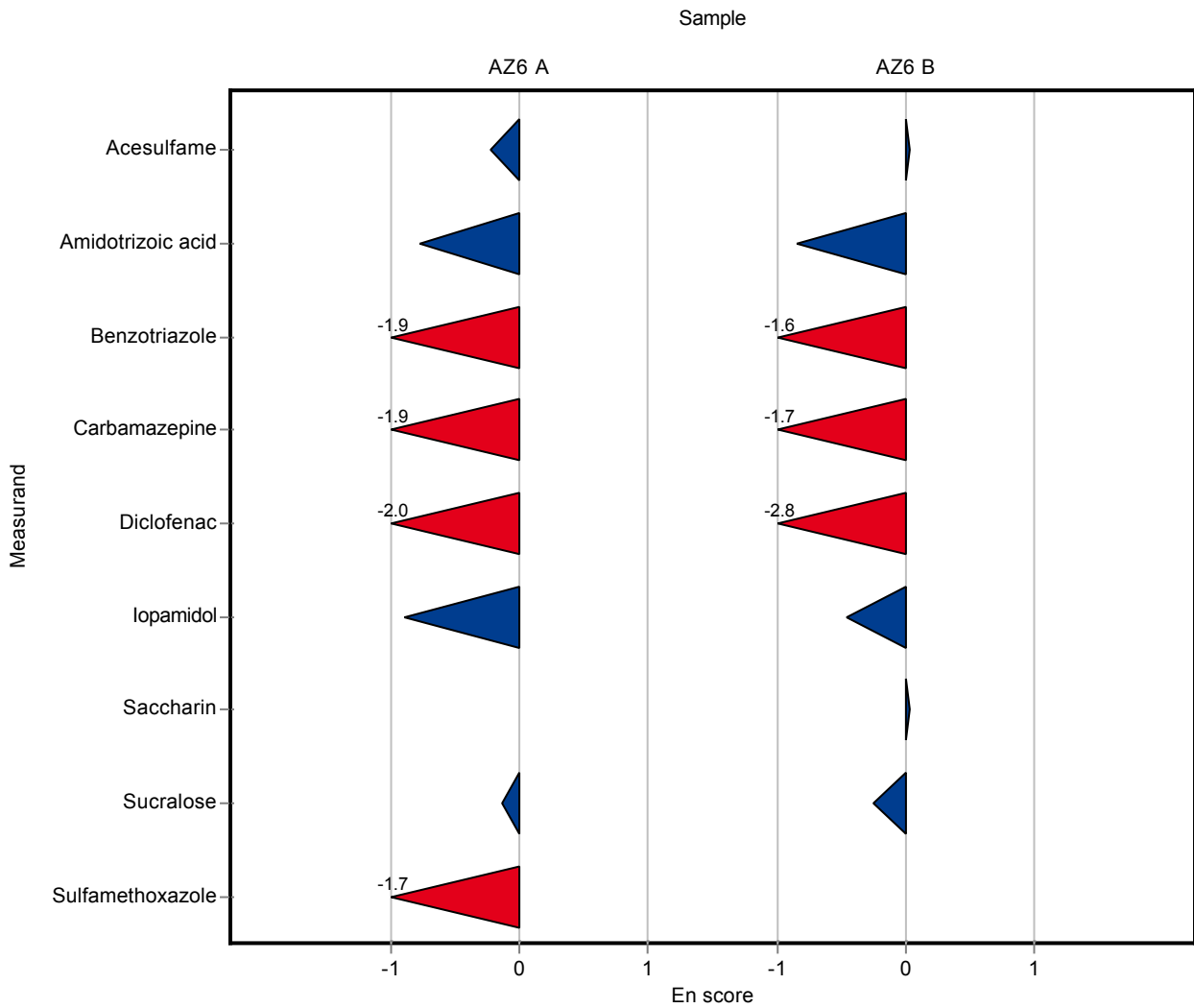
Sample: AZ6A

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	0.133 ± 0.0101	0.122 ± 0.024	0.0253	91.7	-0.23
Amidotrizoic acid	µg/l	0.162 ± 0.0256	0.12 ± 0.024	0.0443	74	-0.77
Atenolol	µg/l	0.14 ± 0.0199	- ± -	0.0315	-	-
Benzotriazole	µg/l	0.151 ± 0.00939	0.083 ± 0.017	0.0197	54.9	-1.94
Bisoprolol	µg/l	- ± -	- ± -	-	-	-
Carbamazepine	µg/l	0.131 ± 0.00341	0.074 ± 0.015	0.0184	56.3	-1.90
Cyclamate	µg/l	0.0645 ± 0.0127	<0.05 (LOQ) ± -	0.0211	-	-
Diazepam	µg/l	- ± -	- ± -	-	-	-
Diclofenac	µg/l	0.142 ± 0.0135	0.077 ± 0.015	0.0262	54.3	-1.97
Ibuprofen	µg/l	0.479 ± 0.00947	- ± -	0.0479	-	-
Iopamidol	µg/l	0.229 ± 0.0332	0.163 ± 0.033	0.0599	71	-0.90
Metoprolol	µg/l	0.0984 ± 0.0113	- ± -	0.0256	-	-
Saccharin	µg/l	0.0501 ± 0.00946	<0.05 (LOQ) ± -	0.0134	-	-
Sotalol	µg/l	0.184 ± 0.0207	- ± -	0.0374	-	-
Sucralose	µg/l	0.26 ± 0.0491	0.24 ± 0.07	0.0832	92.3	-0.14
Sulfamethoxazole	µg/l	0.0507 ± 0.00354	0.029 ± 0.006	0.00613	57.2	-1.73

Sample: AZ6B

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	19 ± 2	19.2 ± 3.8	3.75	101	0.03
Amidotrizoic acid	µg/l	0.986 ± 0.0861	0.73 ± 0.146	0.197	74.1	-0.84
Atenolol	µg/l	0.515 ± 0.0904	- ± -	0.15	-	-
Benzotriazole	µg/l	7.82 ± 0.351	4.79 ± 0.96	1.02	61.2	-1.55
Bisoprolol	µg/l	- ± -	- ± -	-	-	-
Carbamazepine	µg/l	0.387 ± 0.0241	0.227 ± 0.045	0.0542	58.6	-1.72
Cyclamate	µg/l	0.146 ± 0.0396	<0.1 (LOQ) ± -	0.0656	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion Recovery [%]	En-Score
Diazepam	µg/l	0.307 ± 0.0387	- ± -	0.0512	-
Diclofenac	µg/l	2.48 ± 0.148	1.15 ± 0.23	0.348	46.3
Ibuprofen	µg/l	- ± -	- ± -	-	-
Iopamidol	µg/l	8.33 ± 1	6.96 ± 1.39	1.67	83.6
Metoprolol	µg/l	0.251 ± 0.0352	- ± -	0.0654	-
Saccharin	µg/l	0.697 ± 0.0403	0.71 ± 0.21	0.167	102
Sotalol	µg/l	0.202 ± 0.0319	- ± -	0.0575	-
Sucralose	µg/l	7.71 ± 1.06	6.65 ± 1.99	2.47	86.3
Sulfamethoxazole	µg/l	0.0362 ± 0.00253	- ± -	0.00435	-



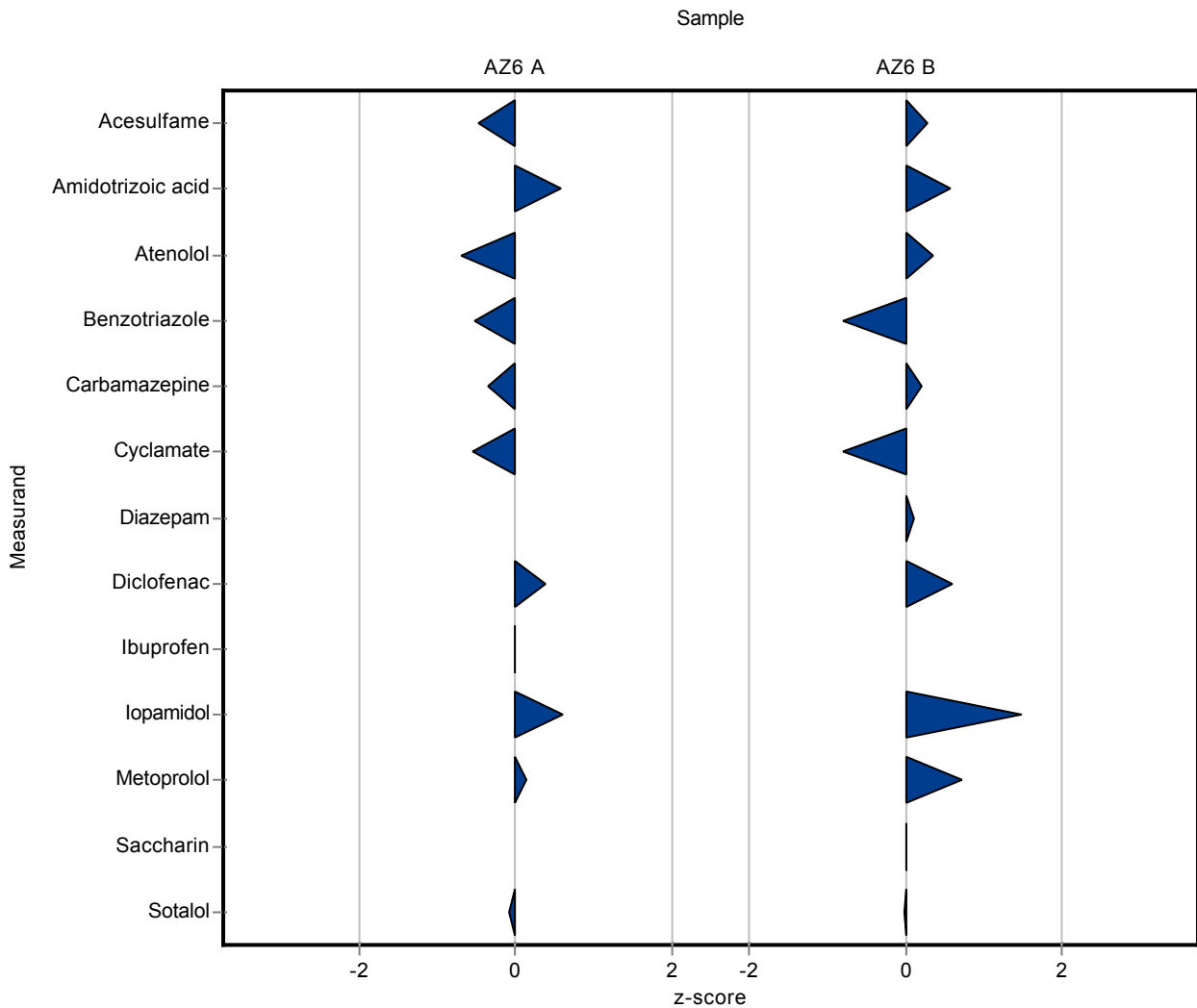
Sample: AZ6A

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	0.133 ± 0.0101	0.121 ± 0.024	0.0253	91	-0.48
Amidotrizoic acid	µg/l	0.162 ± 0.0256	0.188 ± 0.032	0.0443	116	0.58
Atenolol	µg/l	0.14 ± 0.0199	0.118 ± 0.03	0.0315	84.1	-0.71
Benzotriazole	µg/l	0.151 ± 0.00939	0.141 ± 0.035	0.0197	93.2	-0.52
Bisoprolol	µg/l	- ± -	0.077 ± 0.022	-	-	-
Carbamazepine	µg/l	0.131 ± 0.00341	0.125 ± 0.029	0.0184	95.1	-0.35
Cyclamate	µg/l	0.0645 ± 0.0127	0.053 ± 0.013	0.0211	82.1	-0.55
Diazepam	µg/l	- ± -	<0.05 (LOQ) ± -	-	-	-
Diclofenac	µg/l	0.142 ± 0.0135	0.152 ± 0.03	0.0262	107	0.39
Ibuprofen	µg/l	0.479 ± 0.00947	0.478 ± 0.1	0.0479	99.9	-0.01
Iopamidol	µg/l	0.229 ± 0.0332	0.265 ± 0.042	0.0599	116	0.59
Metoprolol	µg/l	0.0984 ± 0.0113	0.102 ± 0.029	0.0256	104	0.14
Saccharin	µg/l	0.0501 ± 0.00946	<0.05 (LOQ) ± -	0.0134	-	-
Sotalol	µg/l	0.184 ± 0.0207	0.181 ± 0.042	0.0374	98.5	-0.07
Sucralose	µg/l	0.26 ± 0.0491	- ± -	0.0832	-	-
Sulfamethoxazole	µg/l	0.0507 ± 0.00354	<0.05 (LOQ) ± -	0.00613	-	-

Sample: AZ6B

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	19 ± 2	20 ± 4	3.75	105	0.28
Amidotrizoic acid	µg/l	0.986 ± 0.0861	1.1 ± 0.19	0.197	112	0.58
Atenolol	µg/l	0.515 ± 0.0904	0.568 ± 0.142	0.15	110	0.36
Benzotriazole	µg/l	7.82 ± 0.351	7.01 ± 1.75	1.02	89.6	-0.80
Bisoprolol	µg/l	- ± -	0.408 ± 0.114	-	-	-
Carbamazepine	µg/l	0.387 ± 0.0241	0.399 ± 0.092	0.0542	103	0.22
Cyclamate	µg/l	0.146 ± 0.0396	0.093 ± 0.023	0.0656	63.7	-0.81

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion Recovery	Recovery [%]	z-Score
Diazepam	µg/l	0.307 ± 0.0387	0.313 ± 0.078	0.0512	102	0.11
Diclofenac	µg/l	2.48 ± 0.148	2.69 ± 0.54	0.348	108	0.59
Ibuprofen	µg/l	- ± -	0.064 ± 0.013	-	-	-
Iopamidol	µg/l	8.33 ± 1	10.8 ± 1.7	1.67	130	1.49
Metoprolol	µg/l	0.251 ± 0.0352	0.298 ± 0.083	0.0654	119	0.71
Saccharin	µg/l	0.697 ± 0.0403	0.697 ± 0.209	0.167	100	0.00
Sotalol	µg/l	0.202 ± 0.0319	0.201 ± 0.046	0.0575	99.3	-0.02
Sucralose	µg/l	7.71 ± 1.06	- ± -	2.47	-	-
Sulfamethoxazole	µg/l	0.0362 ± 0.00253	<0.05 (LOQ) ± -	0.00435	-	-



Sample: AZ6A

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	0.133 ± 0.0101	0.121 ± 0.024	0.0253	91	-0.24
Amidotrizoic acid	µg/l	0.162 ± 0.0256	0.188 ± 0.032	0.0443	116	0.38
Atenolol	µg/l	0.14 ± 0.0199	0.118 ± 0.03	0.0315	84.1	-0.35
Benzotriazole	µg/l	0.151 ± 0.00939	0.141 ± 0.035	0.0197	93.2	-0.15
Bisoprolol	µg/l	- ± -	0.077 ± 0.022	-	-	-
Carbamazepine	µg/l	0.131 ± 0.00341	0.125 ± 0.029	0.0184	95.1	-0.11
Cyclamate	µg/l	0.0645 ± 0.0127	0.053 ± 0.013	0.0211	82.1	-0.40
Diazepam	µg/l	- ± -	<0.05 (LOQ) ± -	-	-	-
Diclofenac	µg/l	0.142 ± 0.0135	0.152 ± 0.03	0.0262	107	0.17
Ibuprofen	µg/l	0.479 ± 0.00947	0.478 ± 0.1	0.0479	99.9	0.00
Iopamidol	µg/l	0.229 ± 0.0332	0.265 ± 0.042	0.0599	116	0.39
Metoprolol	µg/l	0.0984 ± 0.0113	0.102 ± 0.029	0.0256	104	0.06
Saccharin	µg/l	0.0501 ± 0.00946	<0.05 (LOQ) ± -	0.0134	-	-
Sotalol	µg/l	0.184 ± 0.0207	0.181 ± 0.042	0.0374	98.5	-0.03
Sucralose	µg/l	0.26 ± 0.0491	- ± -	0.0832	-	-
Sulfamethoxazole	µg/l	0.0507 ± 0.00354	<0.05 (LOQ) ± -	0.00613	-	-

Sample: AZ6B

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	19 ± 2	20 ± 4	3.75	105	0.13
Amidotrizoic acid	µg/l	0.986 ± 0.0861	1.1 ± 0.19	0.197	112	0.29
Atenolol	µg/l	0.515 ± 0.0904	0.568 ± 0.142	0.15	110	0.18
Benzotriazole	µg/l	7.82 ± 0.351	7.01 ± 1.75	1.02	89.6	-0.23
Bisoprolol	µg/l	- ± -	0.408 ± 0.114	-	-	-
Carbamazepine	µg/l	0.387 ± 0.0241	0.399 ± 0.092	0.0542	103	0.06
Cyclamate	µg/l	0.146 ± 0.0396	0.093 ± 0.023	0.0656	63.7	-0.87

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion Recovery	En-Score [%]
Diazepam	µg/l	0.307 ± 0.0387	0.313 ± 0.078	0.0512	102
Diclofenac	µg/l	2.48 ± 0.148	2.69 ± 0.54	0.348	108
Ibuprofen	µg/l	- ± -	0.064 ± 0.013	-	-
Iopamidol	µg/l	8.33 ± 1	10.8 ± 1.7	1.67	130
Metoprolol	µg/l	0.251 ± 0.0352	0.298 ± 0.083	0.0654	119
Saccharin	µg/l	0.697 ± 0.0403	0.697 ± 0.209	0.167	100
Sotalol	µg/l	0.202 ± 0.0319	0.201 ± 0.046	0.0575	99.3
Sucralose	µg/l	7.71 ± 1.06	- ± -	2.47	-
Sulfamethoxazole	µg/l	0.0362 ± 0.00253	<0.05 (LOQ) ± -	0.00435	-

