

**Proficiency Testing Scheme für die
Wasseranalytik - Realproben
H107 Pestizide**

**Proficiency Testing Scheme for Water
Analysis - natural water samples
H107 Pesticides**

BERICHT / REPORT

Probenversand / Sample dispatch: 23.06.2020

Ausgabe/Edition 1: 03.08.2020

Dieser Report umfasst 272 Seiten.
This report comprises 272 pages.

Anbieter der Eignungsprüfung / Provider of the proficiency test:

Anschrift / Address: Umweltbundesamt GmbH
Spittelauer Lände 5
1090 Vienna/Austria

E-Mail: ringversuche@umweltbundesamt.at

Tel: +43 (0) 1 31304 4334

Website deutsch: www.umweltbundesamt.at/ringversuche
www.imatest.at

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

Koordination und technische Leitung Eignungsprüfungen / coordinator and technical management:

Dipl.-Ing. Monika Denner

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

Dipl.-Ing. Johannes Urteil, Martha Schmid MSc

Tel.: +43 (0) 1 31304 4334

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

Dipl.-Ing. Monika Denner

Leitung Eignungsprüfungen für den Bereich chemische Analytik / Management for proficiency tests for chemical analysis

Inhaltsverzeichnis / Table of Contents

D1. Beschreibung des Ringversuchs.....	5
D1.1. Ausgestaltung und Durchführung	5
D1.2. Beschreibung der Prüfgegenstände	5
D1.3. Anweisungen für die Teilnehmer	6
D1.4. Kontrollanalytik zur Bewertung der Homogenität	6
D1.5. Trendtest zur Bewertung der Stabilität.....	6
D1.6. Ermittlung des zugewiesenen Wertes.....	7
D2. Kriterien der Leistungsbewertung	8
D2.1. Leistungskriterium z-Score.....	8
D2.2. Leistungskriterium E _n -Score	8
D2.3. Leistungsbewertung z-Score und E _n -Score.....	9
D3. Darstellung und Interpretation der Messergebnisse.....	9
D4. Anmerkungen zur Auswertung.....	10
D5. Erläuterung zu Tabellen und Grafiken	11
D5.1. Angaben und Abkürzungen in Tabellen.....	11
D5.2. Graphische Darstellung der Ergebnisse	14
D6. Zusammenfassung	17
D6.1. Tabelle der zugewiesenen Werte	17
D6.2. Zusammenfassung der ausreißerbereinigten Ringversuchsergebnisse ..	18
E1. Description of the proficiency test	20
E1.1. Design and implementation	20
E1.2. Description of the proficiency test items	20
E1.3. Instructions for the participants.....	21
E1.4. Control testing for homogeneity evaluation.....	21
E1.5. Trend test for stability evaluation	21
E1.6. Determination of the assigned values.....	22
E2. Criteria of performance evaluation	23
E2.1. Performance criterion z-Score	23
E2.2. Performance criterion E _n -Score	23
E2.3. Performance evaluation z-Score and E _n -Score	24
E3. Representation and interpretation of measurement results.....	25
E4. Explanatory notes	25

E5. Annotations on tables and charts	26
E5.1. Information and abbreviations in tables	26
E5.2. Graphical presentation of results	28
E6. Summary	31
E6.1. Table of assigned values	31
E6.2. Summary of results, after removal of outliers.....	32
E7. Parameterorientierte Auswertung / Parameter oriented report.....	34
E8. Labororientierte Auswertung / Laboratory oriented report.....	159
E9. Methodenübersicht / Overview of methods	268

D1. Beschreibung des Ringversuchs

D1.1. Ausgestaltung und Durchführung

- Anzahl der Anmeldungen: 18
- Anzahl der übermittelten Datensätze: 18
- Probenversand: 23.06.2020
- Einsendeschluss der Daten: 28.07.2020

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

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

D1.2. Beschreibung der Prüfgegenstände

Die Probenahme von Grundwasser erfolgte am 21.06.2020 und die Probenahme von Oberflächenwasser erfolgte am 22.06.2020. Das Probenmaterial umfasste:

- 1 Probe Grundwasser (H107 A)
- 1 Probe Oberflächenwasser (H107 B)

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

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

Die homogenen Prüfgegenstände wurden am 23.06.2020 verschickt.

Jedes Teilnehmerlabor erhielt:

- 2 Proben zu je 600 ml, abgefüllt in 2 x 300 ml Aluminium Flaschen oder
2 Proben zu je 2000 ml, abgefüllt in 2 x 1000 ml Aluminium Flaschen oder
2 Proben zu je 4000 ml, abgefüllt in 4 x 1000 ml Aluminium Flaschen
- 2 Proben zu je 1000 ml, abgefüllt in 1 x 1000 ml Kunststoff Flaschen (für
Ampa, Glufosinat, Glyphosat)

D1.3. Anweisungen für die Teilnehmer

Aus Stabilitätsgründen wurde empfohlen bis spätestens 01.07.2020 mit den Analysen zu beginnen.

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

D1.4. Kontrollanalytik zur Bewertung der Homogenität

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

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

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

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

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

D1.5. Trendtest zur Bewertung der Stabilität

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

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

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

D1.6. Ermittlung des zugewiesenen Wertes

Die Ergebnisse der Analysen mussten spätestens bis zum 28.07.2020 beim Veranstalter vorliegen. Später eingehende Werte wurden nicht berücksichtigt.

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

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

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

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

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

Vorgehensweise wird bei Anwendung jeweils parameter- und probenbezogen unter Punkt D4 des Berichts dokumentiert.

D2. Kriterien der Leistungsbewertung

D2.1. Leistungskriterium z-Score

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

Die Ermittlung der z-Scores erfolgte gemäß nachfolgender Formel:

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

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 2019 (RSDpooled) bzw. aus den ausreißerbereinigten Teilnehmerergebnissen (sR) des aktuellen Ringversuchs (falls noch weniger als 6 vorangegangene Runden für A und B-Proben vorlagen). In begründeten Fällen (z.B. Ergebnisse Realproben nahe an Mindestbestimmungsgrenze oder regulatorischer Vorgaben) erfolgt die Festlegung nach Expertenbefund und die Vorgangsweise wird unter Punkt D4 des Berichts beschrieben.

D2.2. Leistungskriterium E_n-Score

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

Die Ermittlung der E_n-Scores erfolgte gemäß nachfolgender Formel:

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

Dabei ist:

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

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

Interpretation der z-Scores:

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

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

Interpretation der E_n-Scores:

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

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

D3. Darstellung und Interpretation der Messergebnisse

In der parameterorientierten Auswertung ist eine tabellarische Übersicht mit den Messergebnissen inklusive der Unsicherheit ($\pm U$), der Wiederfindung zum zugewiesenen Wert und dem berechneten z-Score dargestellt. Weiterhin werden unter

Anmerkungen die Ausreißer gekennzeichnet. Die in der Tabelle angeführten Ergebnisse werden auch grafisch dargestellt.

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

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

D4. Anmerkungen zur Auswertung

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

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

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

Parameter 2,4,5-Trichlorphenoxyessigsäure, 2,4-D (2,4-Dichlorphenoxyessigsäure), Dicamba, Mecoprop und Metazachlor-Säure (Metazachlor-OA) Probe H107 A und Parameter 2,4-D (2,4-Dichlorphenoxyessigsäure) und Mecoprop Probe H107 B: Die auf Basis der Teilnehmerergebnisse berechneten Sollwerte lagen außerhalb der Messunsicherheit des Kontrollwertes und es ist über das Kontrolllabor keine Rückführbarkeit möglich. Der zugewiesene Wert wurde daher über die ausreißerbereinigten Mittelwerte aus der Gruppe der akkreditierten Teilnehmer berechnet.

Parameter Glufosinat, Glyphosat, Metazachlor und Metolachlor Probe H107 A und Parameter Alachlor-t-Sulfonsäure (Alachlor ESA), Glufosinat und Metazachlor OA Probe H107 B: Aufgrund einer geringen Anzahl an übermittelten gültigen Teilnehmerergebnissen (Glufosinat H107 A und Alachlor ESA H107 B) oder aufgrund des geringen Gehaltes in der Probe konnte kein Sollwert berechnet werden. Für diese Parameter empfehlen wir einen Vergleich mit den Ergebnissen des Kontrolllabors.

Für den Parameter Aminomethylphosphonsäure (AMPA) in der Probe H107A Grundwasser konnte kein zugewiesener Wert angeführt werden. Die Substanz wurde in der Grundwasserprobe zudotiert (0,16 µg/l), es wurde jedoch seitens des Kontrolllabores und von einigen TeilnehmerInnen keine positiven Werte analysiert. Da Adsorptionseffekte bei H107A nicht ausgeschlossen werden konnten, kann für diese dotierte Realprobe Grundwasser kein zugewiesener Wert definiert werden.

D5. Erläuterung zu Tabellen und Grafiken

D5.1. Angaben und Abkürzungen in Tabellen

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

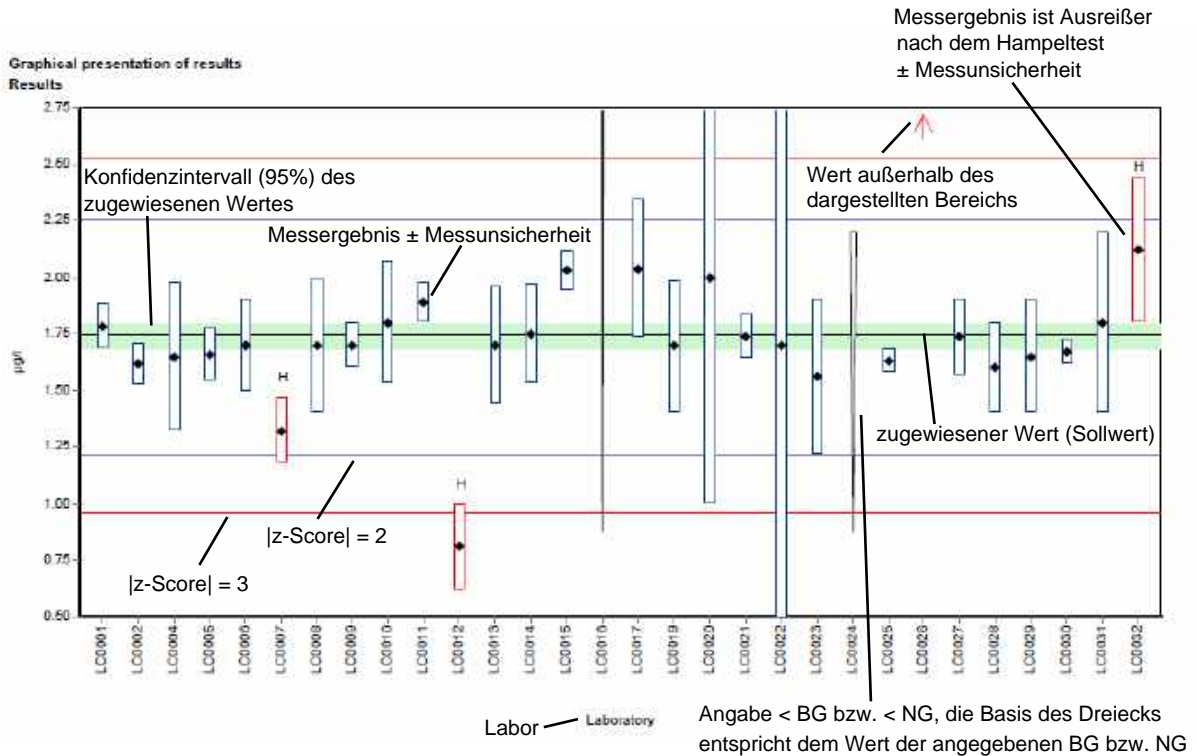
sR	Vergleichsstandardabweichung, berechnet aus den ausreißerbereinigten Teilnehmerergebnissen des aktuellen Ringversuchs (angegeben auf 3 signifikante Stellen)
vR	relative Vergleichsstandardabweichung in %, berechnet aus den ausreißerbereinigten Teilnehmerergebnissen des aktuellen Ringversuchs bezogen auf den Mittelwert (angegeben auf 2 signifikante Stellen)
Kontrollwert \pm U (k=2)	Mittelwert der Kontrollmessungen des Veranstalters \pm erweiterte Ergebnisunsicherheit des Kontrollwertes (jeweils angegeben auf 3 signifikante Stellen)
Laborcode	anonymisierte, eindeutige Teilnehmerkennung im jeweiligen Ringversuch
Messwert	einzelne(r) Messwert(e) lt. Teilnehmerangabe (maximal 5 Nachkommastellen dargestellt)
Messergebnis	Für die Bewertung herangezogenes Ergebnis lt. Teilnehmerangabe (maximal 5 Nachkommastellen dargestellt). Bei Eignungsprüfungsrunden mit Vorgabe von unabhängigen Mehrfachbestimmungen, entspricht dies dem berechneten Mittelwert aus den einzelnen Messwerten der Teilnehmer.
\pm U	kombinierte Messunsicherheit ohne Erweiterungsfaktor (k=1) lt. Teilnehmerangabe (maximal 5 Nachkommastellen dargestellt)
BG	Bestimmungsgrenze
NG	Nachweisgrenze
WF	Wiederfindungsrate in %, bezogen auf den zugewiesenen Wert (angegeben auf 3 signifikante Stellen, dargestellt maximal 1 Nachkommastelle)
MW	Mittelwert
z-Score	Abweichung des Messergebnisses zum zugewiesenen Wert, ausgedrückt als Vielfaches des Kriteriums (angegeben auf 3 signifikante Stellen, dargestellt maximal 2 Nachkommastellen)
E _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 Nachweis- bzw. Bestimmungsgrenzen ermittelt. Als falsch positiv wird ein Messergebnis bewertet, welches diesen Median um mehr als 100 % übersteigt.
Standardabweichung	Vergleichsstandardabweichung berechnet aus den Teilnehmerergebnissen des aktuellen Ringversuchs (angegeben auf 3 signifikante Stellen)
rel. Standardabweichung	relative Vergleichsstandardabweichung in %, berechnet aus den Teilnehmerergebnissen des aktuellen Ringversuchs bezogen auf den Mittelwert (angegeben auf 3 signifikante Stellen)
n	Anzahl der Messergebnisse

D5.2. Graphische Darstellung der Ergebnisse

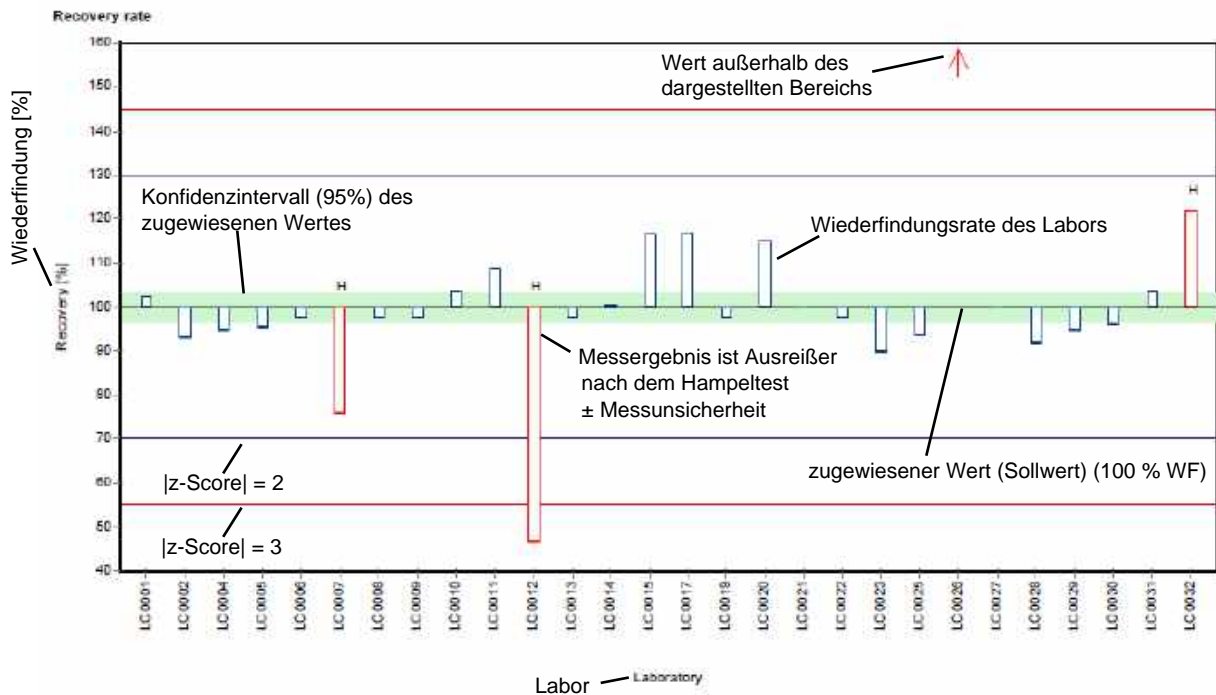
Nachfolgend wird die graphische Darstellung anhand von kommentierten Beispieldiagrammen erläutert.

Beispieldiagramm: Messwerte



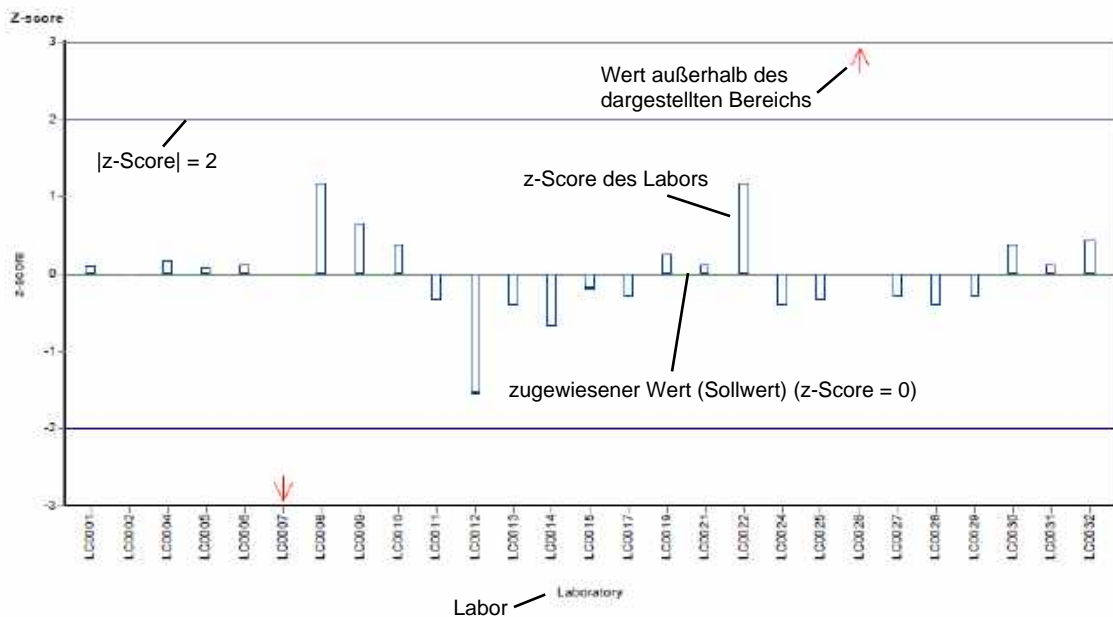
Unterschiedliche Analysenmethoden werden mit unterschiedlichen Farben kenntlich gemacht.

Beispieldiagramm: Wiederfindung zum zugewiesenen Wert



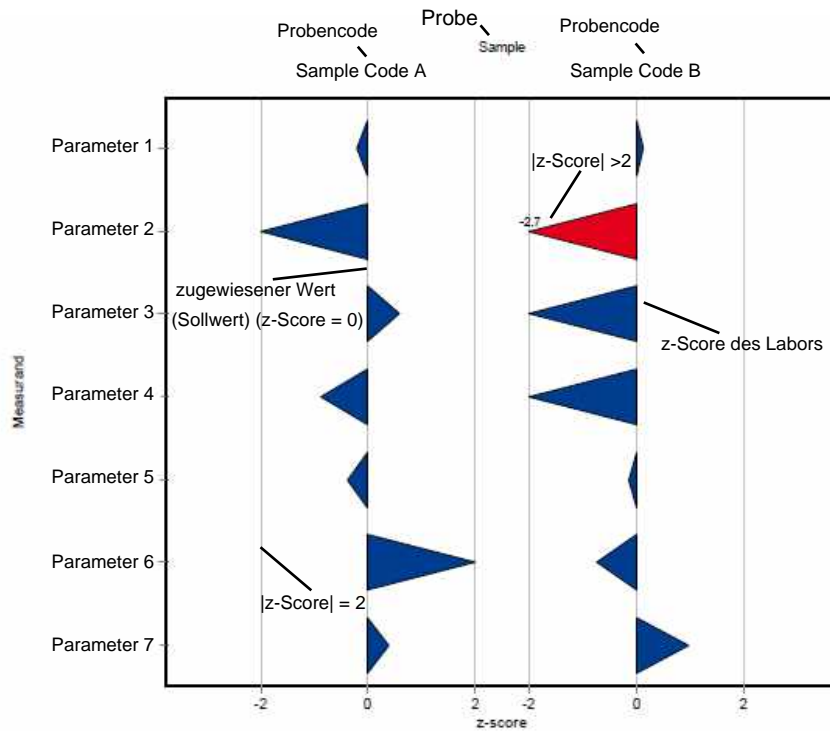
Unterschiedliche Analysenmethoden werden mit unterschiedlichen Farben kenntlich gemacht.

Beispieldiagramm: z-Score

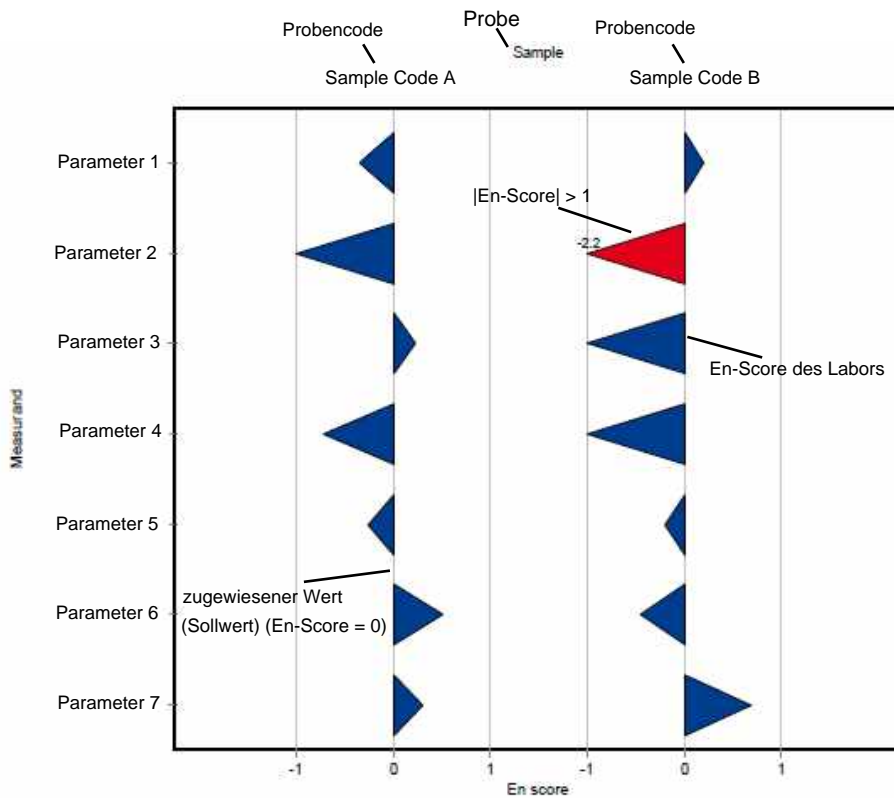


Unterschiedliche Analysenmethoden werden mit unterschiedlichen Farben kenntlich gemacht.

Beispieldiagramm: z-Score (labororientierte Auswertung)



Beispieldiagramm: En-Score (labororientierte Auswertung)



D6. Zusammenfassung

D6.1. Tabelle der zugewiesenen Werte

Parameter	Probe	Einheit	zugewiesener Wert	±	U (k=2)	Kriterium	Kriterium [%]
2,4,5-Trichlorphenoxyessigsäure	H107 A	µg/l	0.71	±	0.0223	0.128	18
	H107 B	µg/l	0.443	±	0.0161	0.0798	18
2,4-D (2,4-Dichlorphenoxyessigsäure)	H107 A	µg/l	0.472	±	0.0351	0.0661	14
	H107 B	µg/l	0.323	±	0.00337	0.0452	14
Alachlor	H107 A	µg/l	0.746	±	0.0719	0.0895	12
	H107 B	µg/l	0.424	±	0.0538	0.0508	12
Alachlor-Säure (Alachlor-OA)	H107 A	µg/l	0.271	±	0.0693	0.0406	15
	H107 B	µg/l	0.564	±	0.134	0.0846	15
Alachlor-Sulfonsäure (Alachlor-ESA)	H107 A	µg/l	0.164	±	0.0375	0.0459	28
	H107 B	µg/l	-	±	-	-	-
Ampa	H107 A	µg/l	-	±	-	-	-
	H107 B	µg/l	0.184	±	0.0175	0.0239	13
Bentazon	H107 A	µg/l	0.353	±	0.0127	0.053	15
	H107 B	µg/l	0.285	±	0.0158	0.0427	15
Dicamba	H107 A	µg/l	0.931	±	0.051	0.186	20
	H107 B	µg/l	0.468	±	0.0149	0.0936	20
Dichlorprop	H107 A	µg/l	0.569	±	0.0236	0.0683	12
	H107 B	µg/l	0.223	±	0.00566	0.0267	12
Glufosinat	H107 A	µg/l	-	±	-	-	-
	H107 B	µg/l	-	±	-	-	-
Glyphosat	H107 A	µg/l	-	±	-	-	-
	H107 B	µg/l	0.247	±	0.0123	0.0495	20
MCP (Mecoprop)	H107 A	µg/l	0.309	±	0.012	0.0402	13
	H107 B	µg/l	0.322	±	0.017	0.0419	13
Metazachlor	H107 A	µg/l	-	±	-	-	-
	H107 B	µg/l	0.476	±	0.0236	0.0571	12
Metazachlor-Sulfonsäure (Metazachlor ESA)	H107 A	µg/l	0.357	±	0.0245	0.0679	19
	H107 B	µg/l	0.136	±	0.00969	0.0258	19
Metazachlor-Säure (Metazachlor OA)	H107 A	µg/l	0.304	±	0.0331	0.0639	21
	H107 B	µg/l	-	±	-	-	-
Metolachlor	H107 A	µg/l	-	±	-	-	-
	H107 B	µg/l	0.513	±	0.0147	0.077	15
s-Metolachlor-Sulfonsäure (Metolachlor-ESA)	H107 A	µg/l	0.394	±	0.0335	0.0788	20
	H107 B	µg/l	0.318	±	0.0329	0.0636	20
s-Metolachlor-Säure (Metolachlor OA)	H107 A	µg/l	0.206	±	0.00504	0.0289	14
	H107 B	µg/l	0.394	±	0.0167	0.0552	14

D6.2. Zusammenfassung der ausreißerbereinigten Ringversuchsergebnisse

Parameter	Probe	Anzahl Labors für Berechnung	Anzahl Ausreißer Labors	Einheit	Mittelwert	± VB (99%)	Minimum	Maximum	sR	vR [%]
2,4,5-Trichlorphenoxyessigsäure	H107 A	7	3	µg/l	0.71	± 0.0335	0.694	0.773	0.0295	4.2
	H107 B	8	2	µg/l	0.443	± 0.0242	0.421	0.483	0.0228	5.2
2,4-D (2,4-Dichlorphenoxyessigsäure)	H107 A	12	0	µg/l	0.472	± 0.0526	0.32	0.536	0.0608	13
	H107 B	8	4	µg/l	0.323	± 0.00505	0.316	0.33	0.00476	1.5
Alachlor	H107 A	10	0	µg/l	0.746	± 0.108	0.5	0.885	0.114	15
	H107 B	10	0	µg/l	0.424	± 0.0808	0.23	0.518	0.0851	20
Alachlor-Säure (Alachlor-OA)	H107 A	6	0	µg/l	0.271	± 0.104	0.182	0.42	0.0849	31
	H107 B	6	0	µg/l	0.564	± 0.201	0.403	0.855	0.164	29
Alachlor-Sulfonsäure (Alachlor-ESA)	H107 A	6	0	µg/l	0.164	± 0.0562	0.114	0.247	0.0459	28
	H107 B	5	1	µg/l	-	± -	0.153	0.185	-	-
Ampa	H107 A	-	-	µg/l	-	± -	-	-	-	-
	H107 B	9	1	µg/l	0.184	± 0.0263	0.145	0.218	0.0263	14
Bentazon	H107 A	12	1	µg/l	0.353	± 0.019	0.319	0.388	0.0219	6.2
	H107 B	12	1	µg/l	0.285	± 0.0237	0.227	0.316	0.0273	9.6
Dicamba	H107 A	10	1	µg/l	0.931	± 0.0765	0.82	1.1	0.0807	8.7
	H107 B	9	2	µg/l	0.468	± 0.0223	0.432	0.508	0.0223	4.8
Dichlorprop	H107 A	11	1	µg/l	0.569	± 0.0354	0.48	0.622	0.0391	6.9
	H107 B	10	2	µg/l	0.223	± 0.00849	0.212	0.238	0.00895	4
Glufosinat	H107 A	5	0	µg/l	-	± -	0.21	0.53	-	-
	H107 B	3	0	µg/l	-	± -	0.045	0.15	-	-
Glyphosat	H107 A	0	0	µg/l	-	± -	-	-	-	-
	H107 B	9	1	µg/l	0.247	± 0.0185	0.221	0.288	0.0185	7.5
MCP (Mecoprop)	H107 A	11	1	µg/l	0.309	± 0.0181	0.286	0.356	0.02	6.5
	H107 B	11	1	µg/l	0.322	± 0.0255	0.289	0.371	0.0282	8.8
Metazachlor	H107 A	0	0	µg/l	-	± -	-	-	-	-
	H107 B	11	1	µg/l	0.476	± 0.0353	0.407	0.53	0.0391	8.2

Parameter	Probe	Anzahl Labors für Berechnung	Anzahl Ausreißer Labors	Einheit	Mittelwert	± VB (99%)	Minimum	Maximum	sR	vR [%]
Metazachlor-Sulfonsäure (Metazachlor ESA)	H107 A	9	0	µg/l	0.357	± 0.0368	0.309	0.429	0.0368	10
	H107 B	8	1	µg/l	0.136	± 0.0145	0.111	0.151	0.0137	10
Metazachlor-Säure (Metazachlor OA)	H107 A	8	0	µg/l	0.304	± 0.0497	0.206	0.36	0.0469	15
	H107 B	0	0	µg/l	-	± -	-	-	-	-
Metolachlor	H107 A	0	0	µg/l	-	± -	-	-	-	-
	H107 B	14	1	µg/l	0.513	± 0.0221	0.47	0.55	0.0276	5.4
s-Metolachlor-Sulfonsäure (Metolachlor-ESA)	H107 A	9	1	µg/l	0.394	± 0.0503	0.345	0.51	0.0503	13
	H107 B	9	1	µg/l	0.318	± 0.0493	0.212	0.37	0.0493	15
s-Metolachlor-Säure (Metolachlor OA)	H107 A	8	2	µg/l	0.206	± 0.00756	0.197	0.217	0.00713	3.5
	H107 B	9	1	µg/l	0.394	± 0.0251	0.356	0.431	0.0251	6.4

E1. Description of the proficiency test

E1.1. Design and implementation

- Number of registrations: 18
- Number of submitted data records: 18
- Dispatch of samples: 23rd June 2020
- Closing date for submission of data: 28th July 2020

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

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

E1.2. Description of the proficiency test items

The sampling of ground water and surface water was carried out on 21st June 2020 (ground water) and on 22nd June, 2020 (surface water).

The following samples were made available

- 1 sample ground water (H107 A)
- 1 sample surface water (H107 B)

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

The samples were filled into bottles under continuous stirring (stirring vessel) and stabilized by cooling.

The homogeneous proficiency test items were dispatched on 23rd June 2020.

Each participant received:

- 2 samples (each 600 ml), filled in 2 x 300 ml aluminium bottles or
2 samples (each 2000 ml), filled in 2 x 1000 ml aluminium bottles or
2 samples (each 4000 ml), filled in 4 x 1000 ml aluminium bottles
- 2 samples (each 1000 ml), filled in 1 x 1000 ml plastic bottles (for AMPA, Glufosinate, Glyphosate)

E1.3. Instructions for the participants

For reasons of stability, it was recommended to start the analysis by the 01st July 2020 at the latest.

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

E1.4. Control testing for homogeneity evaluation

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

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

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

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

E1.5. Trend test for stability evaluation

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

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

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

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

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

E1.6. Determination of the assigned values

The analytical results had to be made available to the organiser not later than 28th July 2020. Any values received at a later date were not considered.

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

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

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

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

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

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

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

E2. Criteria of performance evaluation

E2.1. Performance criterion z-Score

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

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

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

In this context,

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

E2.2. Performance criterion E_n-Score

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

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

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

In this context,

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

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

Interpretation of z-Scores:

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

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

Interpretation of E_n-Scores:

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

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

E3. Representation and interpretation of measurement results

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

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

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

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

E4. Explanatory notes

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

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

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

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

Parameters 2,4,5-trichlorophenoxyacetic acid, 2,4-D (2,4-dichlorophenoxyacetic acid), dicamba, mecoprop and metazachlor oxanilic acid (metazachlor-OA) sample H107 A and parameters 2,4-D (2,4-dichlorophenoxyacetic acid) and mecoprop sample H107 B: The assigned values calculated based on the participant results were outside the measurement uncertainty of the control value and thus traceability could not be proven by this procedure. Therefore, new assigned values were defined by the group of accredited participating laboratories after outlier-assessment.

Parameters glufosinate, glyphosate, metazachlor and metolachlor sample H107 A and parameters alachlor-t-sulfonic acid (alachlor-ESA), glufosinate and metazachlor oxanilic acid (metazachlor-OA) sample H107 B: Assigned values were not calculated because of the small number of submitted valid results (glufosinate H107 A and alachlor-ESA H107 B) or due to the low analyte concentration. For this parameter, we recommend to compare your results with the control test values.

Parameter aminomethylphosphonic acid (AMPA) sample H107 A: No assigned value could be defined. The groundwater sample was spiked with 0.16 µg/l of AMPA, but control testing and some of participants did not find results over LOQ/LOD. As this might result from adsorption effects no evaluation is possible for H107 A AMPA.

E5. Annotations on tables and charts

E5.1. Information and abbreviations in tables

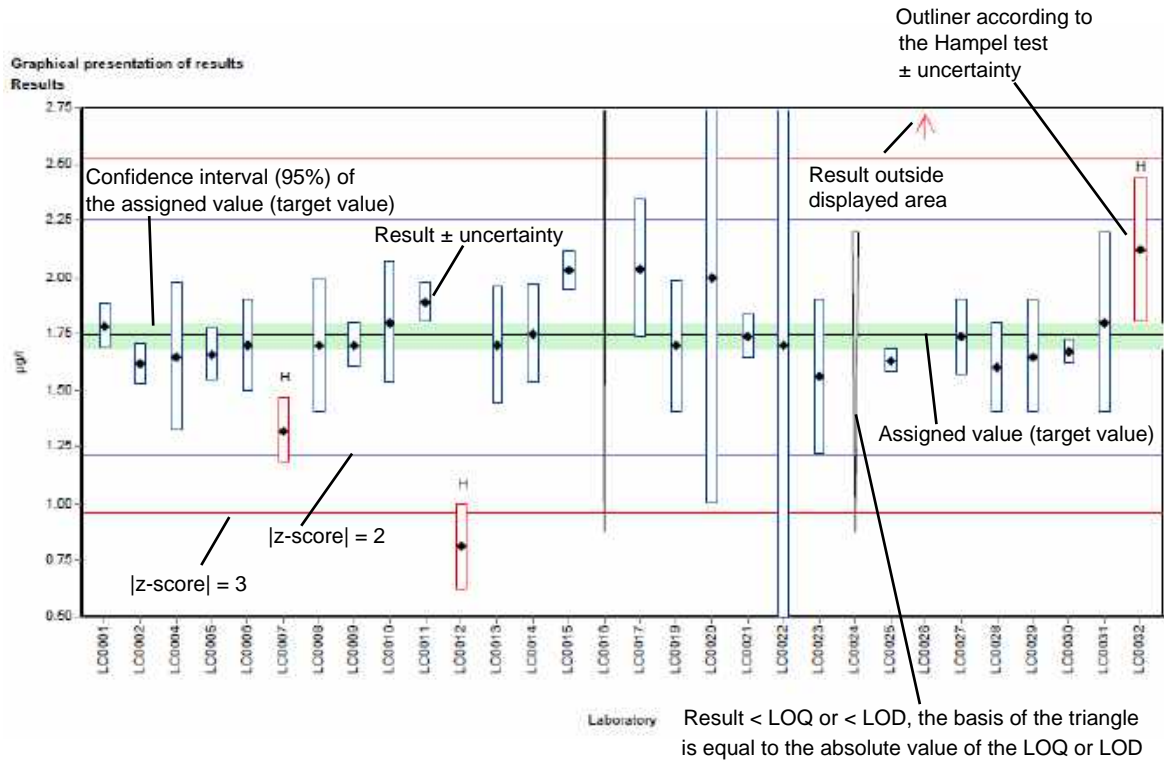
Parameter	Analyte identifier
Sample	Sample identifier
Unit	Given unit for result and uncertainty (e.g. µg/l)
Assigned value	Target value for proficiency assessment of the participants (3 significant digits)
U (k=2)	Expanded uncertainty (k=2) of the assigned value (3 significant digits)
Criteria	Specified value for the determination of the z-score in the given unit (3 significant digits)
Criteria [%]	Specified value for the determination of the z-score in % of the assigned value (2 significant digits)
Mean	Mean of the participants results, without outliers (3 significant digits)
CI (99 %)	99% confidence interval (3 significant digits)
Minimum	Minimum of all submitted results, after removal of outliers (3 significant digits)
Maximum	Maximum of all submitted results, after removal of outliers (3 significant digits)
SD	Reproducibility standard deviation, calculated from the participants results, after removal of outliers (3 significant digits)
RSD %	Reproducibility standard deviation, calculated from the participants results relative to the target value, given in %, after removal of outliers (2 significant digits)
Control test value ± U (k=2)	Mean of control test value ± expanded measurement uncertainty (3 significant digits)
Labcode	Laboratory identifier (anonymized)

Result ± U	Result as indicated by participant (max. 5 decimal places) combined measurement uncertainty without expansion factor (k=1), as indicated by participant (max. 5 decimal places)
LOQ	Limit of quantification
LOD	Limit of detection
Recovery	Recovery rate in % based on assigned value (target value) (3 significant digits, max. one decimal place given)
z-Score	Deviation of result based on the assigned value (target value) given as a multiple of the criteria (3 significant digits, max. 2 decimal places given)
E _n -Score	Deviation of result based on the assigned value (target value) given as a multiple of the combined expanded measurement uncertainty of the participant's results and expanded measurement uncertainty for the assigned value (3 significant digits, max. 2 decimal places given). Note: E _n -Score assessment takes into account the measurement uncertainty of the participants.
-	No data available or no calculation possible
Comments	Comment on the respective result (e.g. H, FN, FP)
H	Outlier according to Hampel-Test
FN	False negative – for a result < LOQ or result < LOD: The absolute value of the LOQ or LOD fulfils the condition of an outlier according to the Hampel test.
FP	False positive – for parameters where no target value is available because of a too low analyte content (n < 6): Result that exceeds the median of the absolute values of the transmitted LOQs or LODs by more than 100 %.
Standard deviation	Reproducibility standard deviation, calculated from the participants results (3 significant digits)
Rel. standard deviation	Reproducibility standard deviation, calculated from the participants results relative to the target value, given in %, (3 significant digits)
n	Number of results

E5.2. Graphical presentation of results

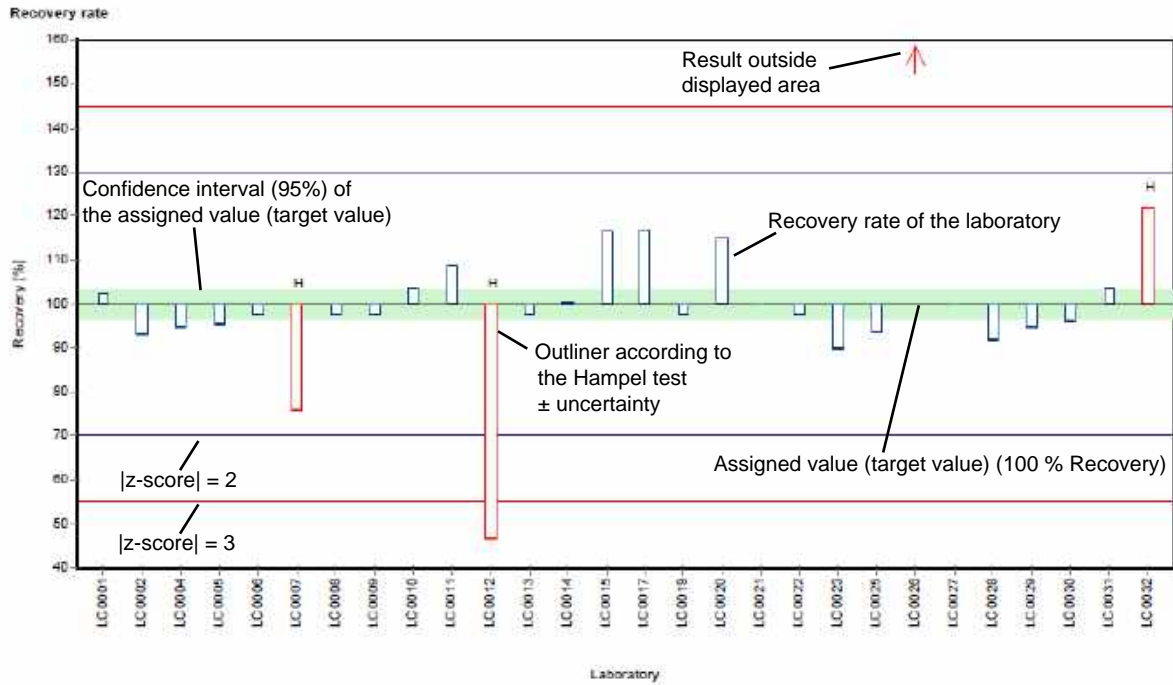
The graphic representation in the report is explained below by means of commented example diagrams:

Example chart: Results



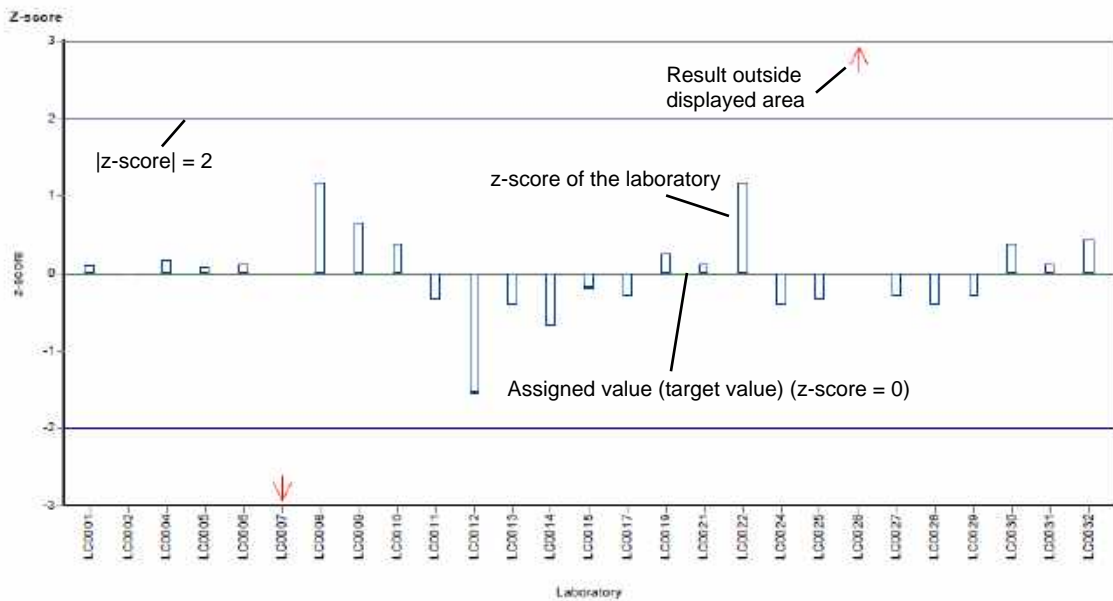
Different analysis methods are represented with different colors.

Example chart: Recovery



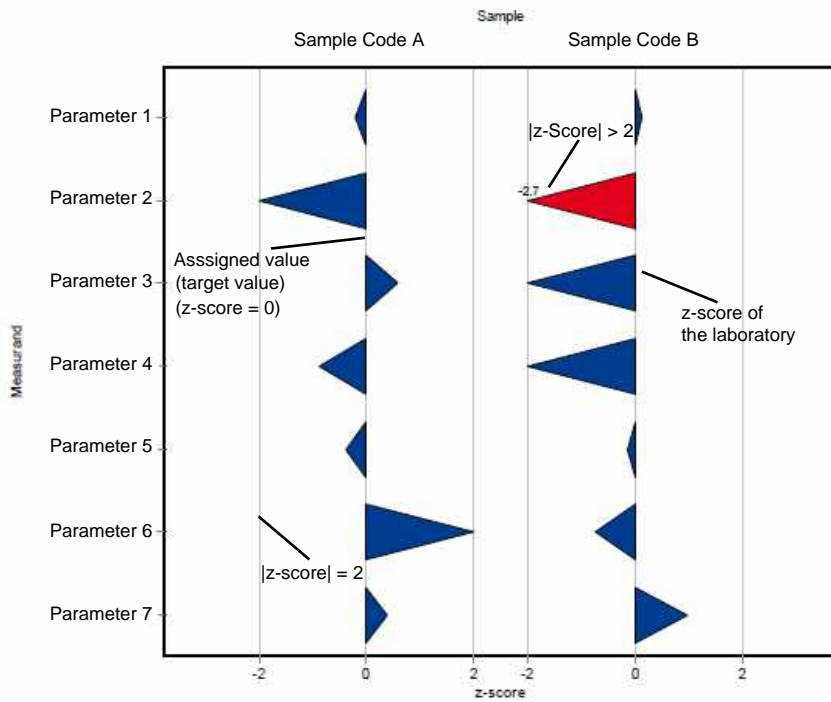
Different analysis methods are represented with different colors.

Example chart: z-score

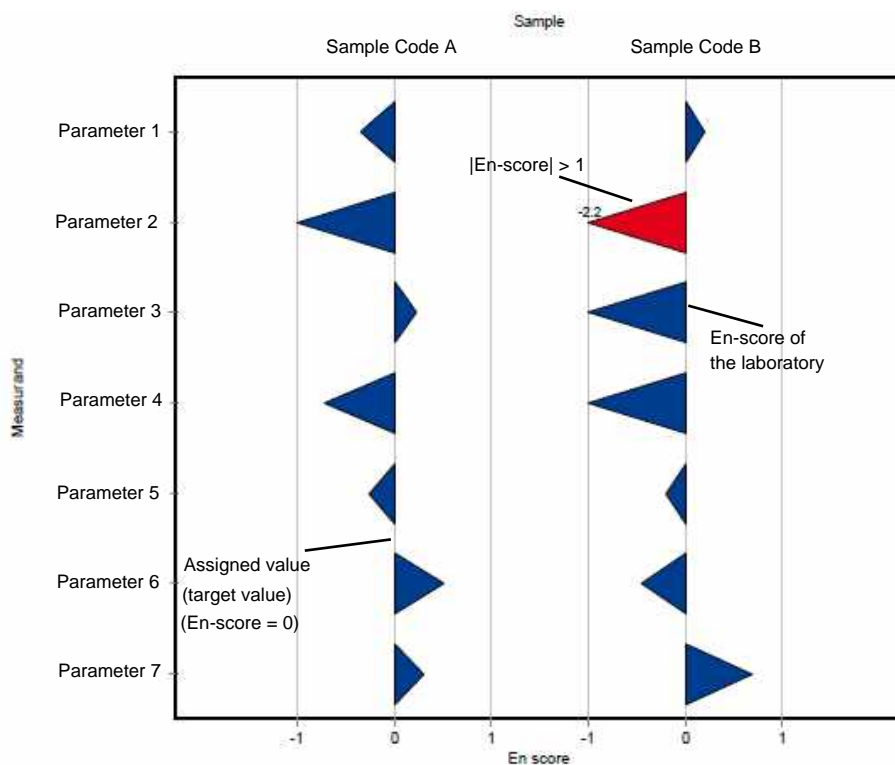


Different analysis methods are represented with different colors.

Example chart: z-score (laboratory oriented report)



Example chart: En-score (laboratory oriented report)



E6. Summary

E6.1. Table of assigned values

Parameter	Sample	Unit	Assigned value ±	U (k=2)	Criterion	Criterion [%]
2,4,5-Trichlorophenoxyacetic acid	H107 A	µg/l	0.71 ±	0.0223	0.128	18
	H107 B	µg/l	0.443 ±	0.0161	0.0798	18
2,4-D (2,4-Dichlorphenoxyaceticacid)	H107 A	µg/l	0.472 ±	0.0351	0.0661	14
	H107 B	µg/l	0.323 ±	0.00337	0.0452	14
Alachlor	H107 A	µg/l	0.746 ±	0.0719	0.0895	12
	H107 B	µg/l	0.424 ±	0.0538	0.0508	12
Alachlor-t-acid (Alachlor-OA)	H107 A	µg/l	0.271 ±	0.0693	0.0406	15
	H107 B	µg/l	0.564 ±	0.134	0.0846	15
Alachlor-t-sulfonic acid (Alachlor-ESA)	H107 A	µg/l	0.164 ±	0.0375	0.0459	28
	H107 B	µg/l	- ±	-	-	-
AMPA	H107 A	µg/l	- ±	-	-	-
	H107 B	µg/l	0.184 ±	0.0175	0.0239	13
Bentazone	H107 A	µg/l	0.353 ±	0.0127	0.053	15
	H107 B	µg/l	0.285 ±	0.0158	0.0427	15
Dicamba	H107 A	µg/l	0.931 ±	0.051	0.186	20
	H107 B	µg/l	0.468 ±	0.0149	0.0936	20
Dichlorprop	H107 A	µg/l	0.569 ±	0.0236	0.0683	12
	H107 B	µg/l	0.223 ±	0.00566	0.0267	12
Glufosinate	H107 A	µg/l	- ±	-	-	-
	H107 B	µg/l	- ±	-	-	-
Glyphosate	H107 A	µg/l	- ±	-	-	-
	H107 B	µg/l	0.247 ±	0.0123	0.0495	20
MCP (Mecoprop)	H107 A	µg/l	0.309 ±	0.012	0.0402	13
	H107 B	µg/l	0.322 ±	0.017	0.0419	13
Metazachlor	H107 A	µg/l	- ±	-	-	-
	H107 B	µg/l	0.476 ±	0.0236	0.0571	12
Metazachlor ethane sulfonic acid (Metazachlor-ESA)	H107 A	µg/l	0.357 ±	0.0245	0.0679	19
	H107 B	µg/l	0.136 ±	0.00969	0.0258	19
Metazachlor oxanilic acid (Metazachlor-OA)	H107 A	µg/l	0.304 ±	0.0331	0.0639	21
	H107 B	µg/l	- ±	-	-	-
Metolachlor	H107 A	µg/l	- ±	-	-	-
	H107 B	µg/l	0.513 ±	0.0147	0.077	15
s-Metolachlor ethanesulfonic acid (Metolachlor-ESA)	H107 A	µg/l	0.394 ±	0.0335	0.0788	20
	H107 B	µg/l	0.318 ±	0.0329	0.0636	20
s-Metolachlor oxanilic acid (Metolachlor-OA)	H107 A	µg/l	0.206 ±	0.00504	0.0289	14
	H107 B	µg/l	0.394 ±	0.0167	0.0552	14

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 [%]
2,4,5-Trichlorophenoxyacetic acid	H107 A	7	3	µg/l	0.71	± 0.0335	0.694	0.773	0.0295	4.2
	H107 B	8	2	µg/l	0.443	± 0.0242	0.421	0.483	0.0228	5.2
2,4-D (2,4-Dichlorphenoxyacetic acid)	H107 A	12	0	µg/l	0.472	± 0.0526	0.32	0.536	0.0608	13
	H107 B	8	4	µg/l	0.323	± 0.00505	0.316	0.33	0.00476	1.5
Alachlor	H107 A	10	0	µg/l	0.746	± 0.108	0.5	0.885	0.114	15
	H107 B	10	0	µg/l	0.424	± 0.0808	0.23	0.518	0.0851	20
Alachlor-t-acid (Alachlor-OA)	H107 A	6	0	µg/l	0.271	± 0.104	0.182	0.42	0.0849	31
	H107 B	6	0	µg/l	0.564	± 0.201	0.403	0.855	0.164	29
Alachlor-t-sulfonic acid (Alachlor- ESA)	H107 A	6	0	µg/l	0.164	± 0.0562	0.114	0.247	0.0459	28
	H107 B	5	1	µg/l	-	± -	0.153	0.185	-	-
AMPA	H107 A	-	-	µg/l	-	± -	-	-	-	-
	H107 B	9	1	µg/l	0.184	± 0.0263	0.145	0.218	0.0263	14
Bentazone	H107 A	12	1	µg/l	0.353	± 0.019	0.319	0.388	0.0219	6.2
	H107 B	12	1	µg/l	0.285	± 0.0237	0.227	0.316	0.0273	9.6
Dicamba	H107 A	10	1	µg/l	0.931	± 0.0765	0.82	1.1	0.0807	8.7
	H107 B	9	2	µg/l	0.468	± 0.0223	0.432	0.508	0.0223	4.8
Dichlorprop	H107 A	11	1	µg/l	0.569	± 0.0354	0.48	0.622	0.0391	6.9
	H107 B	10	2	µg/l	0.223	± 0.00849	0.212	0.238	0.00895	4
Glufosinate	H107 A	5	0	µg/l	-	± -	0.21	0.53	-	-
	H107 B	3	0	µg/l	-	± -	0.045	0.15	-	-
Glyphosate	H107 A	0	0	µg/l	-	± -	-	-	-	-
	H107 B	9	1	µg/l	0.247	± 0.0185	0.221	0.288	0.0185	7.5
MCPP (Mecoprop)	H107 A	11	1	µg/l	0.309	± 0.0181	0.286	0.356	0.02	6.5
	H107 B	11	1	µg/l	0.322	± 0.0255	0.289	0.371	0.0282	8.8
Metazachlor	H107 A	0	0	µg/l	-	± -	-	-	-	-
	H107 B	11	1	µg/l	0.476	± 0.0353	0.407	0.53	0.0391	8.2
Metazachlor ethane sulfonic acid (Metazachlor-ESA)	H107 A	9	0	µg/l	0.357	± 0.0368	0.309	0.429	0.0368	10

Parameter	Sample	Number of results for calculation	Number of outliers	Unit	Mean	± CI (99%)	Minimum	Maximum	sR	vR [%]
Metazachlor ethane sulfonic acid (Metazachlor-ESA)	H107 B	8	1	µg/l	0.136	± 0.0145	0.111	0.151	0.0137	10
Metazachlor oxanilic acid (Metazachlor-OA)	H107 A	8	0	µg/l	0.304	± 0.0497	0.206	0.36	0.0469	15
	H107 B	0	0	µg/l	-	± -	-	-	-	-
Metolachlor	H107 A	0	0	µg/l	-	± -	-	-	-	-
	H107 B	14	1	µg/l	0.513	± 0.0221	0.47	0.55	0.0276	5.4
s-Metolachlor ethanesulfonic acid (Metolachlor-ESA)	H107 A	9	1	µg/l	0.394	± 0.0503	0.345	0.51	0.0503	13
	H107 B	9	1	µg/l	0.318	± 0.0493	0.212	0.37	0.0493	15
s-Metolachlor oxanilic acid (Metolachlor-OA)	H107 A	8	2	µg/l	0.206	± 0.00756	0.197	0.217	0.00713	3.5
	H107 B	9	1	µg/l	0.394	± 0.0251	0.356	0.431	0.0251	6.4

E7. Parameterorientierte Auswertung / Parameter oriented report

2,4,5-Trichlorophenoxyacetic acid	35
2,4-D (2,4-Dichlorphenoxyaceticacid)	43
Alachlor	51
Alachlor-t-acid (Alachlor-OA)	59
Alachlor-t-sulfonic acid (Alachlor-ESA)	67
AMPA	73
Bentazone	79
Dicamba	87
Dichlorprop	95
Glufosinate	103
Glyphosate	107
MCPP (Mecoprop)	112
Metazachlor	120
Metazachlor ethane sulfonic acid (Metazachlor-ESA)	125
Metazachlor oxanilic acid (Metazachlor-OA)	133
Metolachlor	138
s-Metolachlor ethanesulfonic acid (Metolachlor-ESA)	143
s-Metolachlor oxanilic acid (Metolachlor-OA)	151

Parameter oriented report

H107 A

2,4,5-Trichlorophenoxyacetic acid

Unit	µg/l
Assigned value ± U (k=2)	0.71 ± 0.0223
Criterion	0.128 (18 %)
Minimum - Maximum	0.694 - 0.773
Control test value ± U (k=2)	0.961 ± 0.144

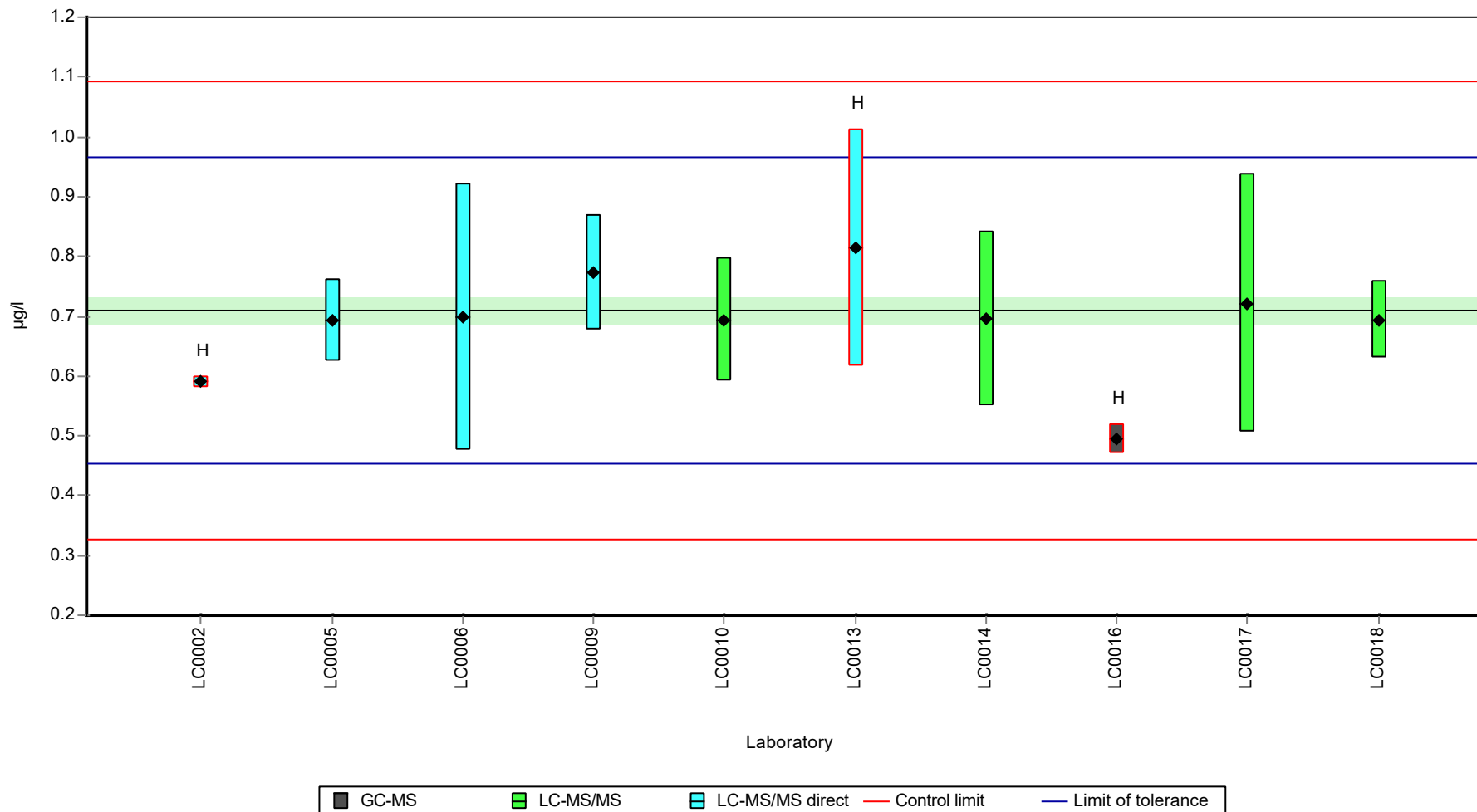
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	0.59	0.01	83.1	-0.94	H
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	0.694	0.069	97.7	-0.13	
LC0006	0.699	0.224	98.4	-0.09	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	0.773	0.097	109	0.49	
LC0010	0.694	0.104	97.7	-0.13	
LC0011	-	-	-	-	
LC0012	-	-	-	-	
LC0013	0.815	0.199	115	0.82	H
LC0014	0.695	0.146	97.9	-0.12	
LC0015	< 0.05 (LOQ)	-	-	-	FN
LC0016	0.495	0.024	69.7	-1.68	H
LC0017	0.722	0.217	102	0.09	
LC0018	0.694	0.065	97.7	-0.13	

Characteristics of parameter

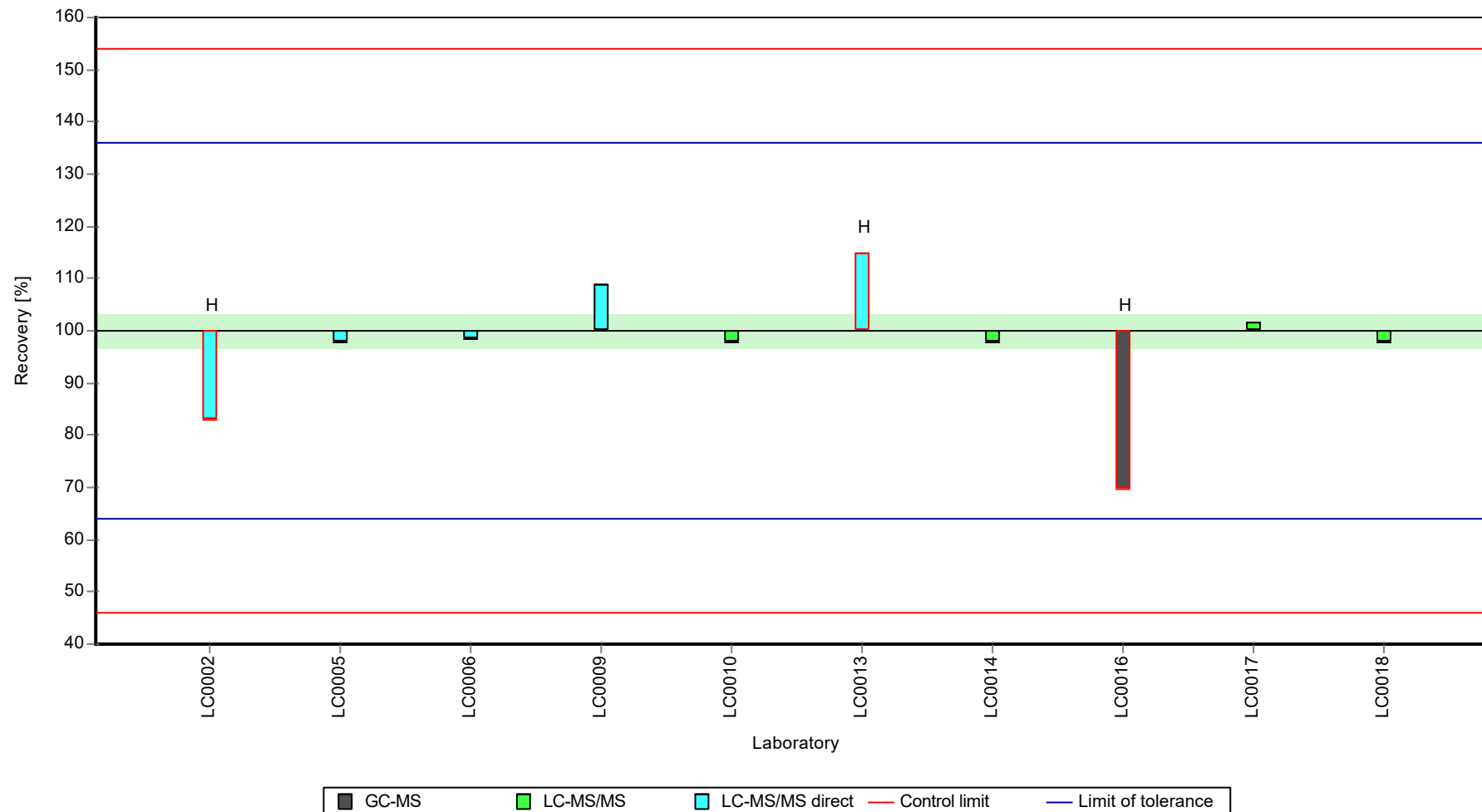
	all results	without outliers	Unit
Mean ± CI (99%)	0.687 ± 0.0846	0.71 ± 0.0335	µg/l
Minimum	0.495	0.694	µg/l
Maximum	0.815	0.773	µg/l
Standard deviation	0.0892	0.0295	µg/l
rel. standard deviation	13	4.16	%
n	10	7	-

Graphical presentation of results

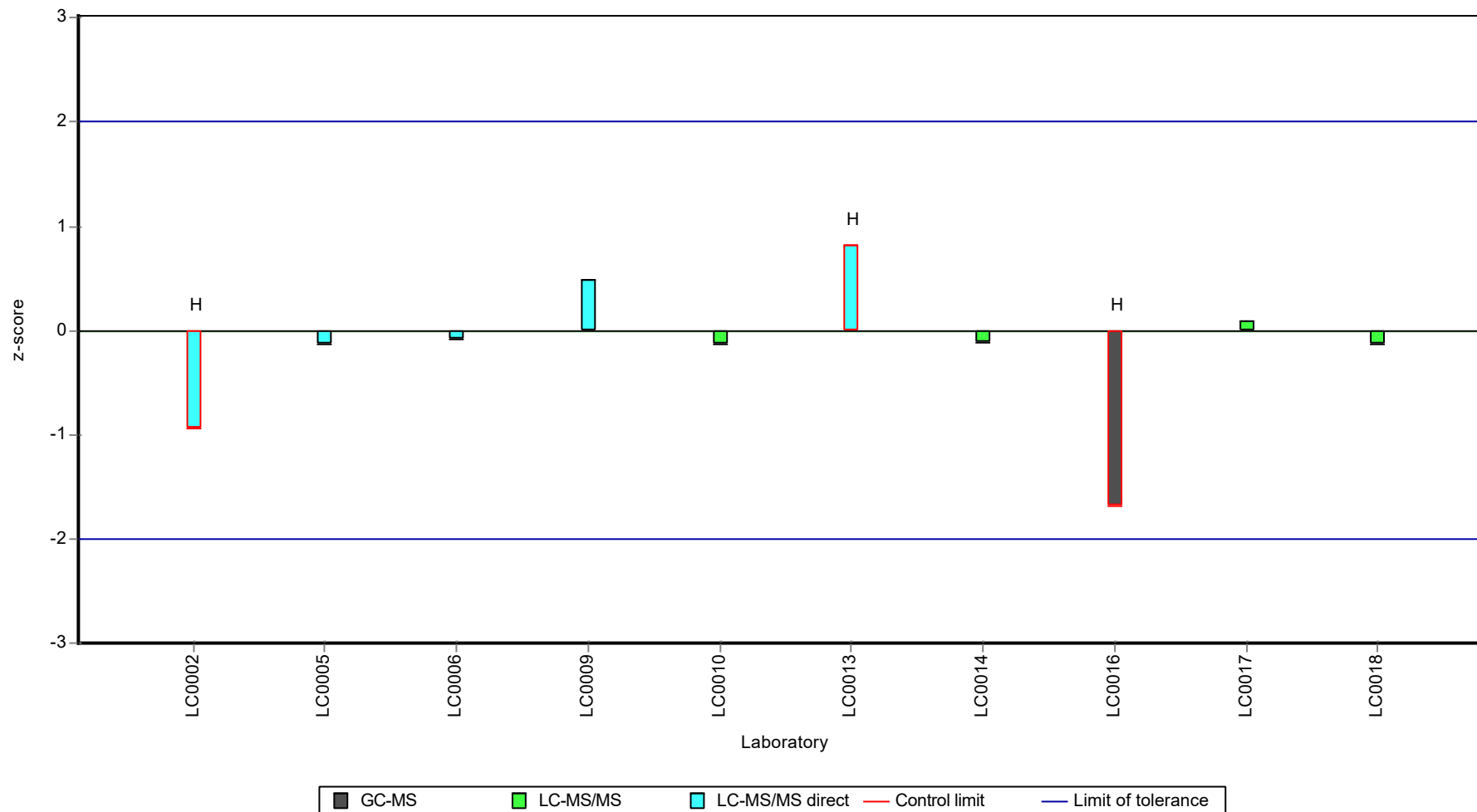
Results



Recovery rate



Z-score



Parameter oriented report

H107 B

2,4,5-Trichlorophenoxyacetic acid

Unit	µg/l
Assigned value ± U (k=2)	0.443 ± 0.0161
Criterion	0.0798 (18 %)
Minimum - Maximum	0.421 - 0.483
Control test value ± U (k=2)	0.510 ± 0.0765

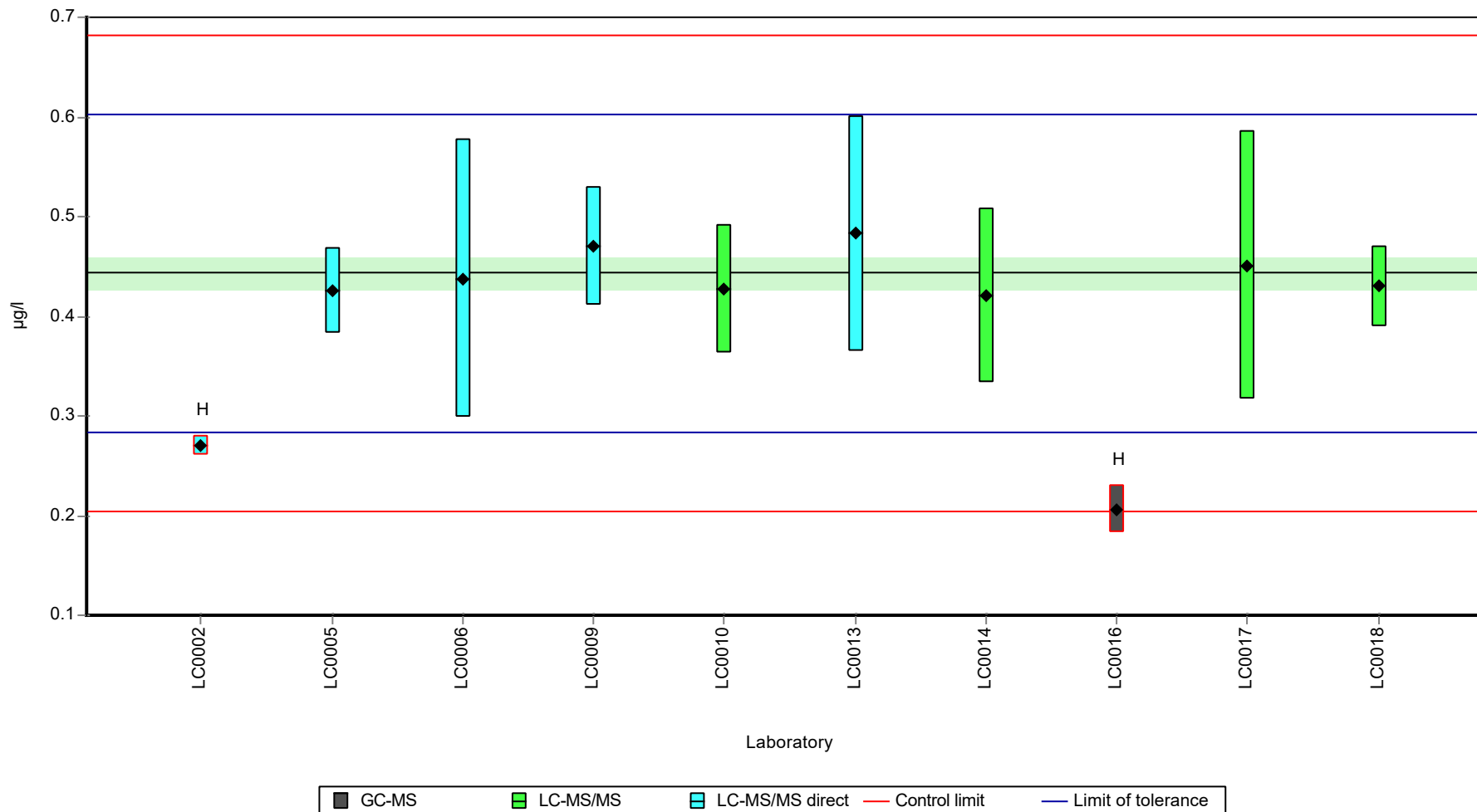
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	0.27	0.01	60.9	-2.17	H
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	0.425	0.043	95.9	-0.23	
LC0006	0.438	0.14	98.8	-0.06	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	0.47	0.059	106	0.34	
LC0010	0.427	0.064	96.4	-0.2	
LC0011	-	-	-	-	
LC0012	-	-	-	-	
LC0013	0.483	0.118	109	0.5	
LC0014	0.421	0.088	95	-0.28	
LC0015	< 0.05 (LOQ)	-	-	-	FN
LC0016	0.206	0.024	46.5	-2.97	H
LC0017	0.451	0.135	102	0.1	
LC0018	0.43	0.04	97	-0.17	

Characteristics of parameter

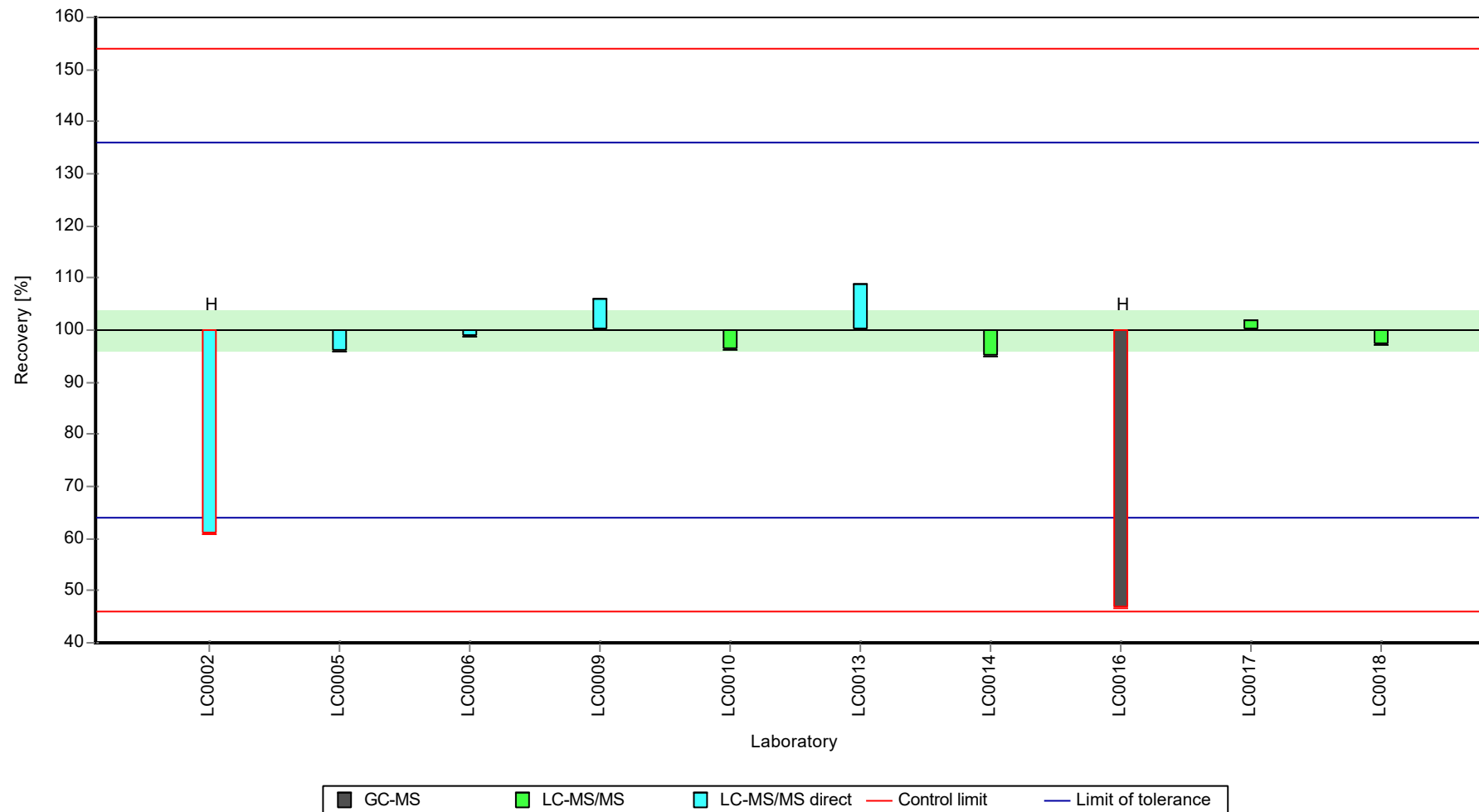
	all results	without outliers	Unit
Mean ± CI (99%)	0.402 ± 0.0855	0.443 ± 0.0242	µg/l
Minimum	0.206	0.421	µg/l
Maximum	0.483	0.483	µg/l
Standard deviation	0.0901	0.0228	µg/l
rel. standard deviation	22.4	5.15	%
n	10	8	-

Graphical presentation of results

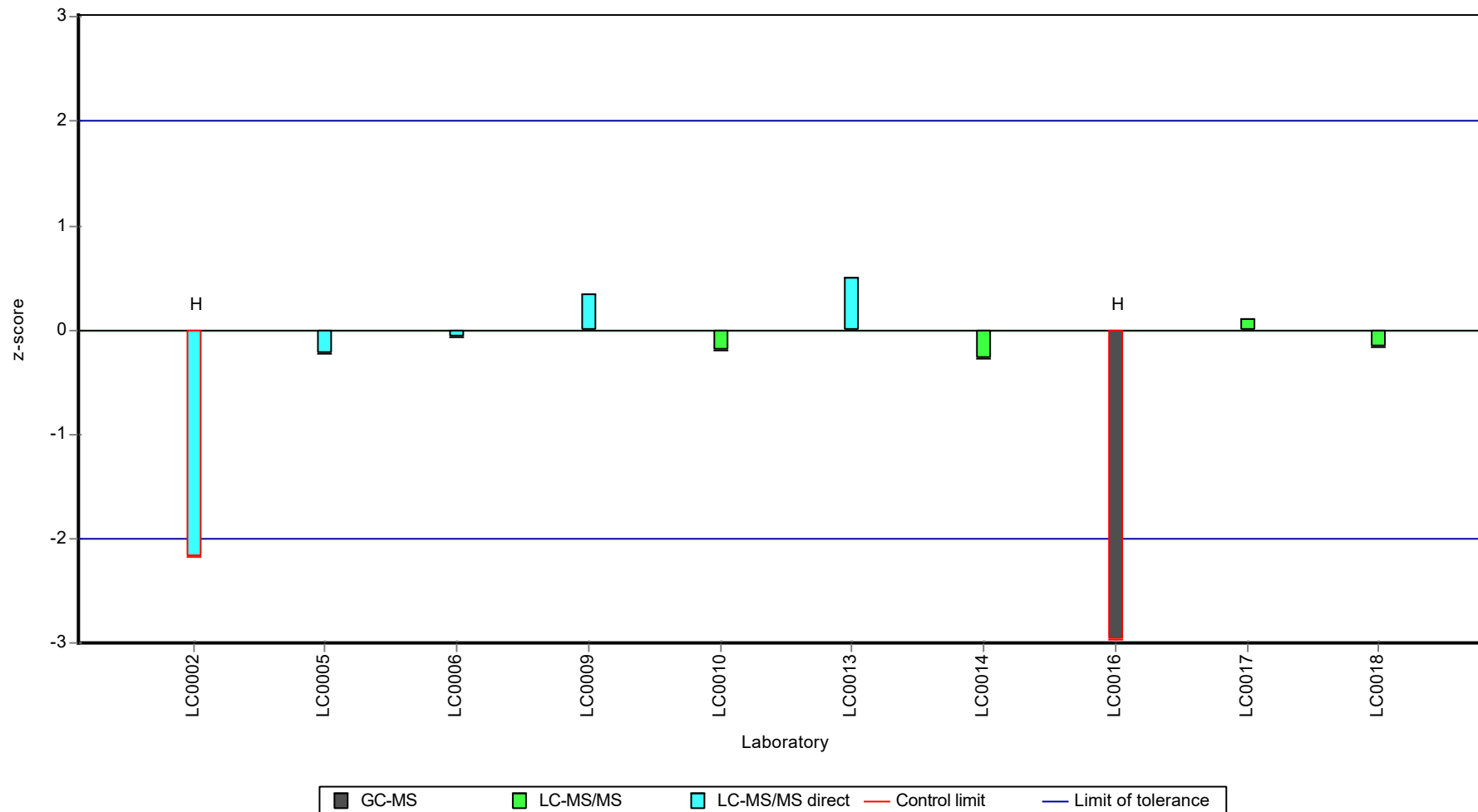
Results



Recovery rate



Z-score



Parameter oriented report

H107 A

2,4-D (2,4-Dichlorphenoxyaceticacid)

Unit	µg/l
Assigned value ± U (k=2)	0.472 ± 0.0351
Criterion	0.0661 (14 %)
Minimum - Maximum	0.32 - 0.536
Control test value ± U (k=2)	0.571 ± 0.0856

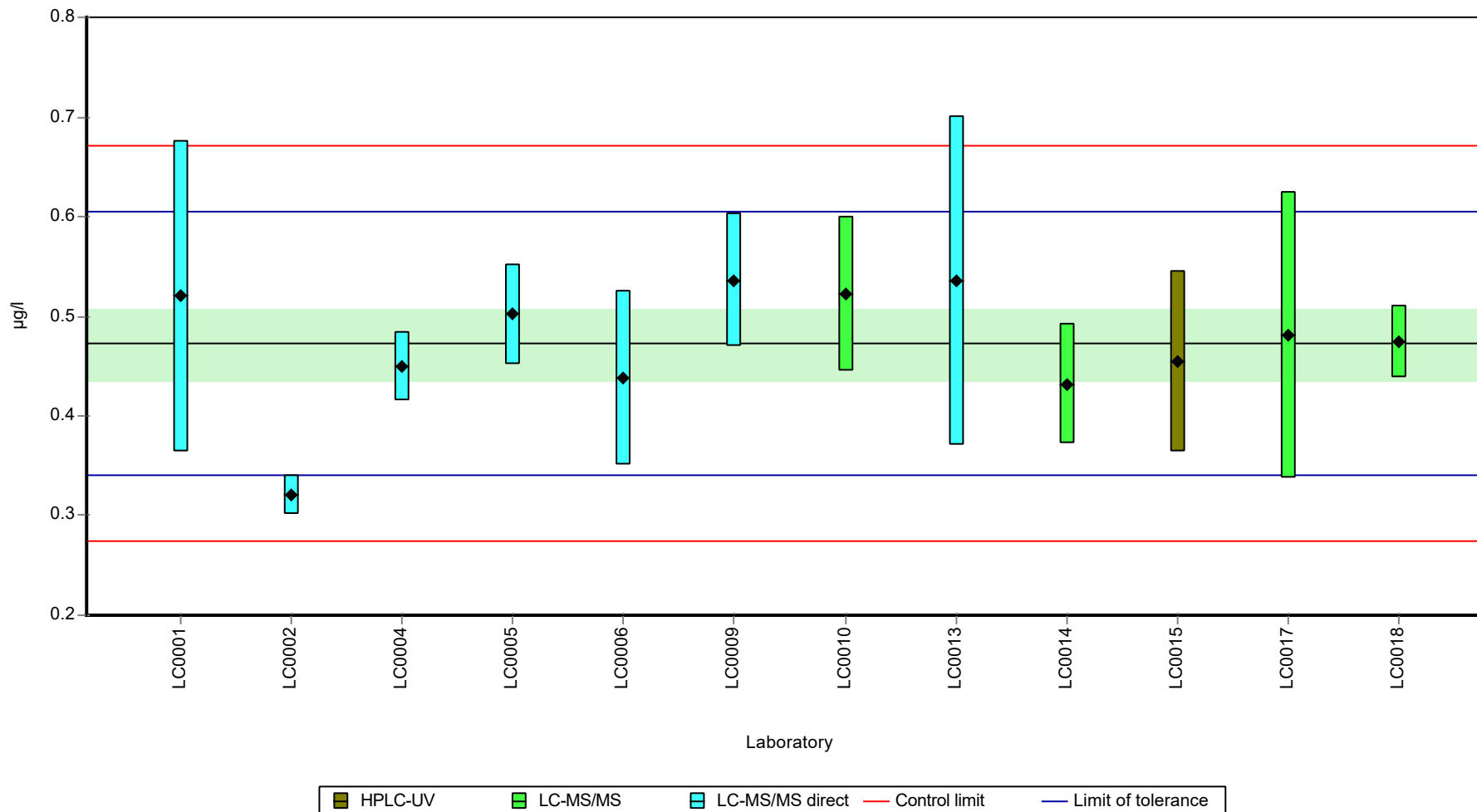
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.52	0.156	110	0.72	
LC0002	0.32	0.02	67.8	-2.3	
LC0003	-	-	-	-	
LC0004	0.45	0.035	95.3	-0.33	
LC0005	0.502	0.0502	106	0.45	
LC0006	0.438	0.088	92.8	-0.52	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	0.536	0.067	114	0.97	
LC0010	0.522	0.078	111	0.76	
LC0011	-	-	-	-	
LC0012	-	-	-	-	
LC0013	0.536	0.165	114	0.97	
LC0014	0.432	0.06	91.5	-0.61	
LC0015	0.454	0.091	96.2	-0.27	
LC0016	-	-	-	-	
LC0017	0.481	0.144	102	0.14	
LC0018	0.474	0.036	100	0.03	

Characteristics of parameter

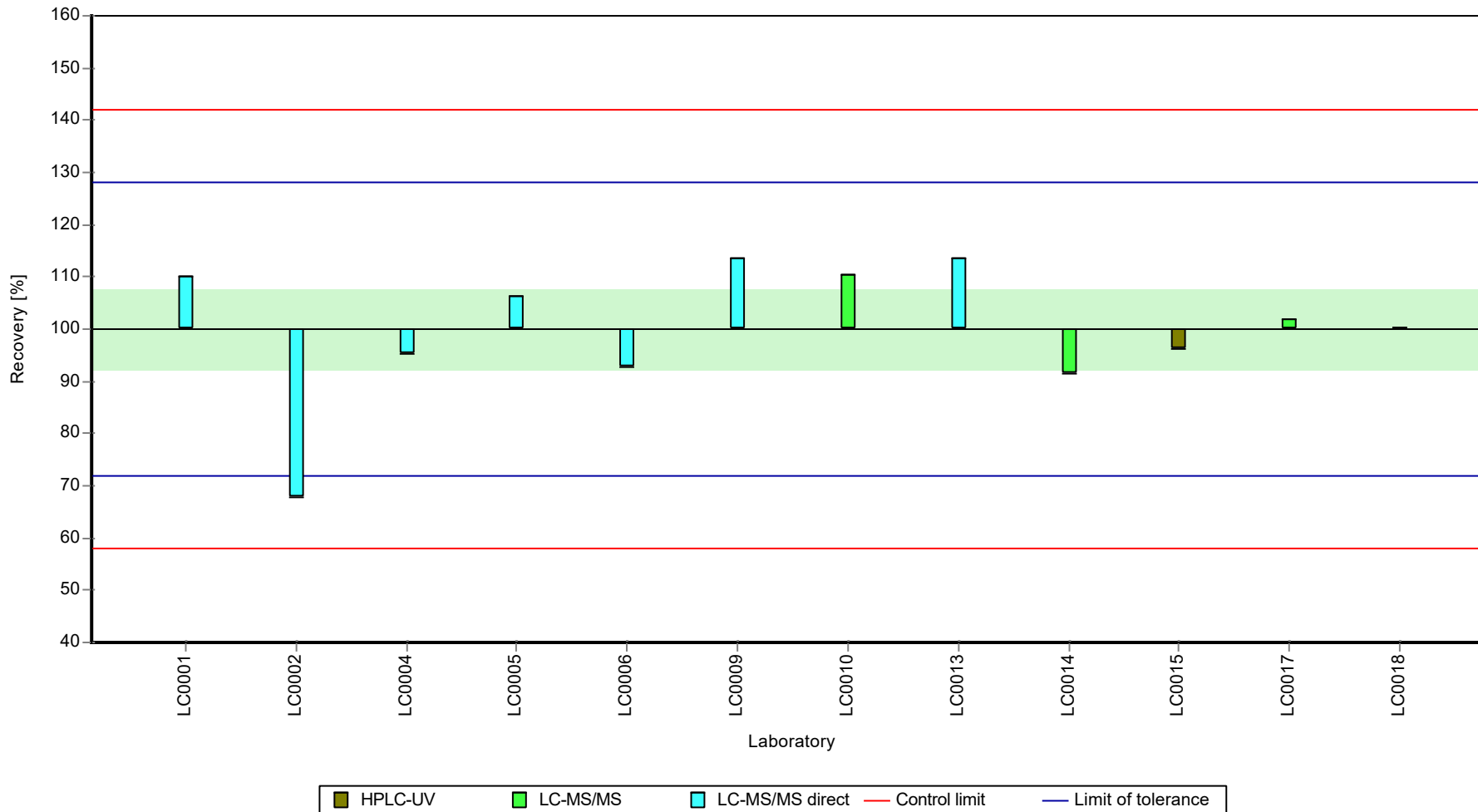
	all results	without outliers	Unit
Mean ± CI (99%)	0.472 ± 0.0526	0.472 ± 0.0526	µg/l
Minimum	0.32	0.32	µg/l
Maximum	0.536	0.536	µg/l
Standard deviation	0.0608	0.0608	µg/l
rel. standard deviation	12.9	12.9	%
n	12	12	-

Graphical presentation of results

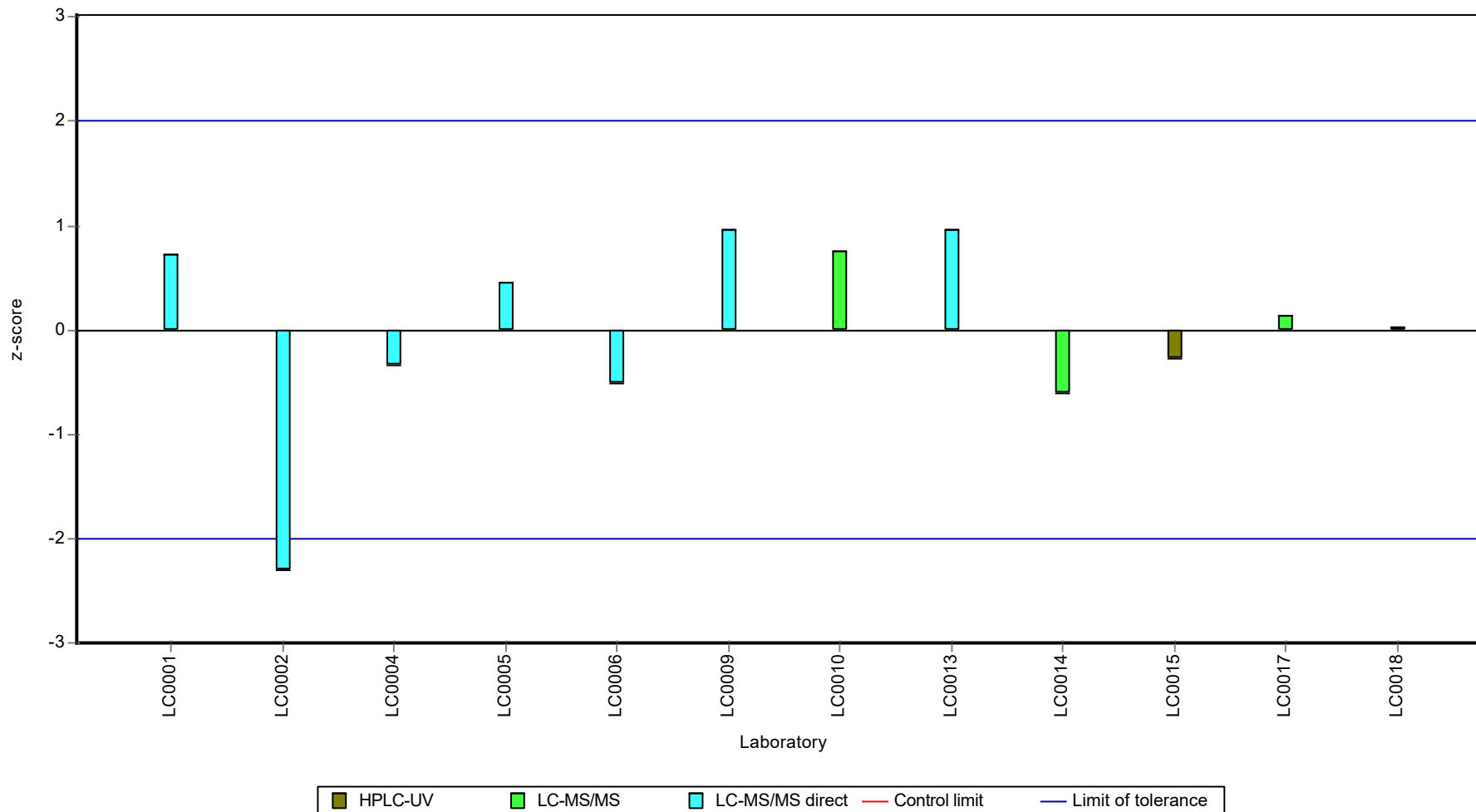
Results



Recovery rate



Z-score



Parameter oriented report

H107 B

2,4-D (2,4-Dichlorphenoxyaceticacid)

Unit	µg/l
Assigned value ± U (k=2)	0.323 ± 0.00337
Criterion	0.0452 (14 %)
Minimum - Maximum	0.316 - 0.33
Control test value ± U (k=2)	0.404 ± 0.0606

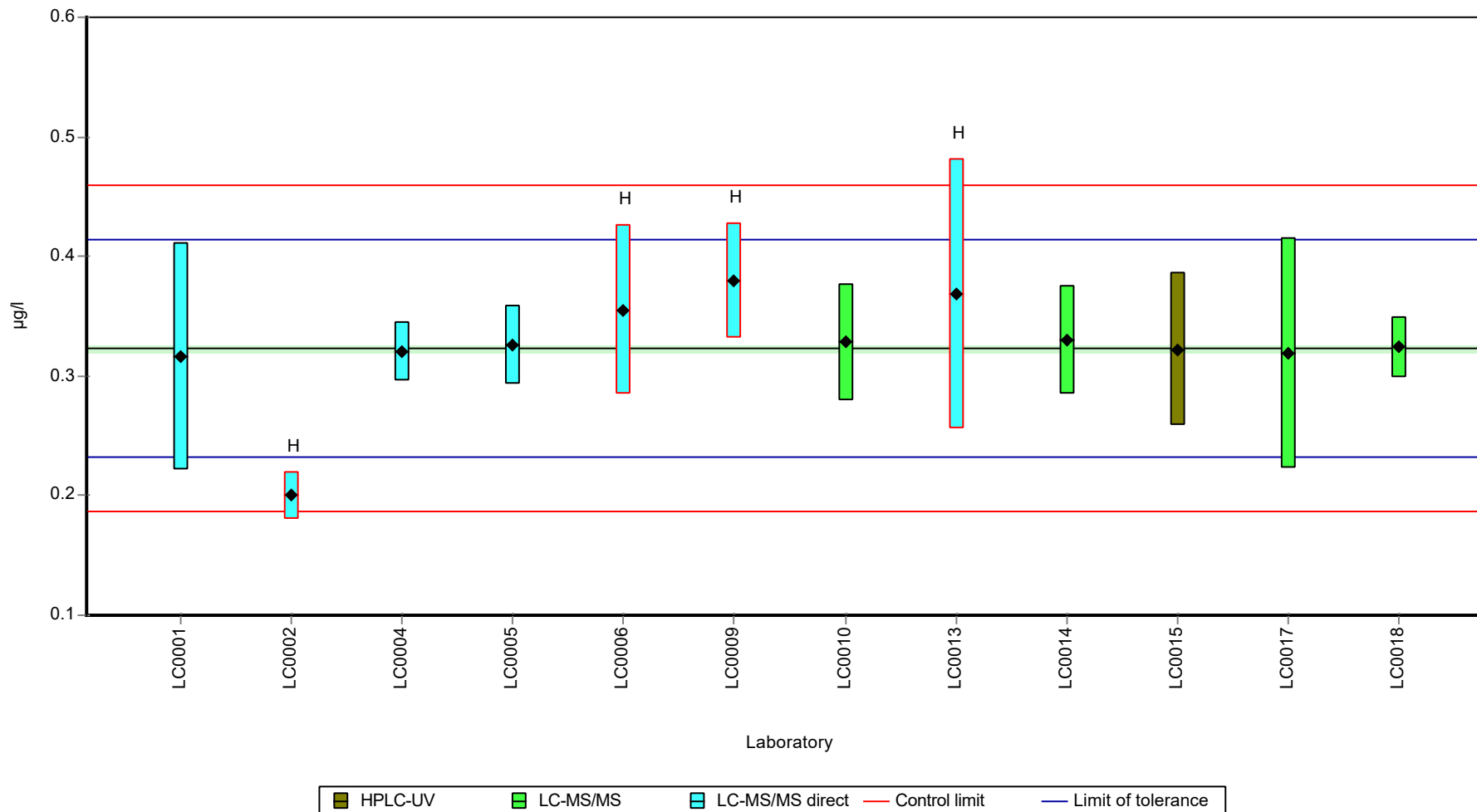
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.316	0.095	97.8	-0.16	
LC0002	0.2	0.02	61.9	-2.72	H
LC0003	-	-	-	-	
LC0004	0.32	0.025	99	-0.07	
LC0005	0.326	0.033	101	0.06	
LC0006	0.355	0.071	110	0.7	H
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	0.38	0.048	118	1.26	H
LC0010	0.328	0.049	102	0.11	
LC0011	-	-	-	-	
LC0012	-	-	-	-	
LC0013	0.368	0.113	114	0.99	H
LC0014	0.33	0.046	102	0.15	
LC0015	0.322	0.064	99.7	-0.02	
LC0016	-	-	-	-	
LC0017	0.319	0.096	98.7	-0.09	
LC0018	0.324	0.025	100	0.02	

Characteristics of parameter

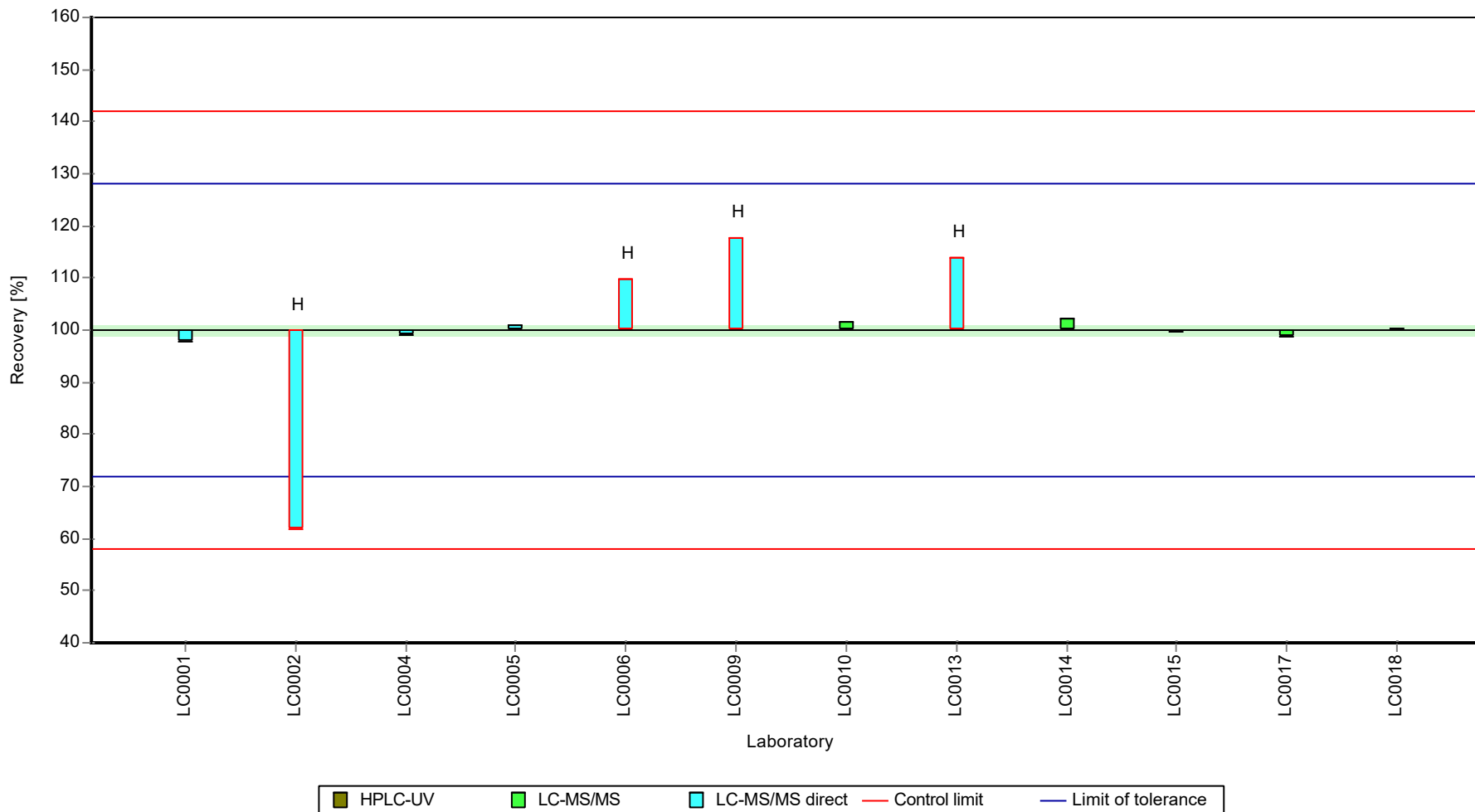
	all results	without outliers	Unit
Mean ± CI (99%)	0.324 ± 0.0384	0.323 ± 0.00505	µg/l
Minimum	0.2	0.316	µg/l
Maximum	0.38	0.33	µg/l
Standard deviation	0.0443	0.00476	µg/l
rel. standard deviation	13.7	1.47	%
n	12	8	-

Graphical presentation of results

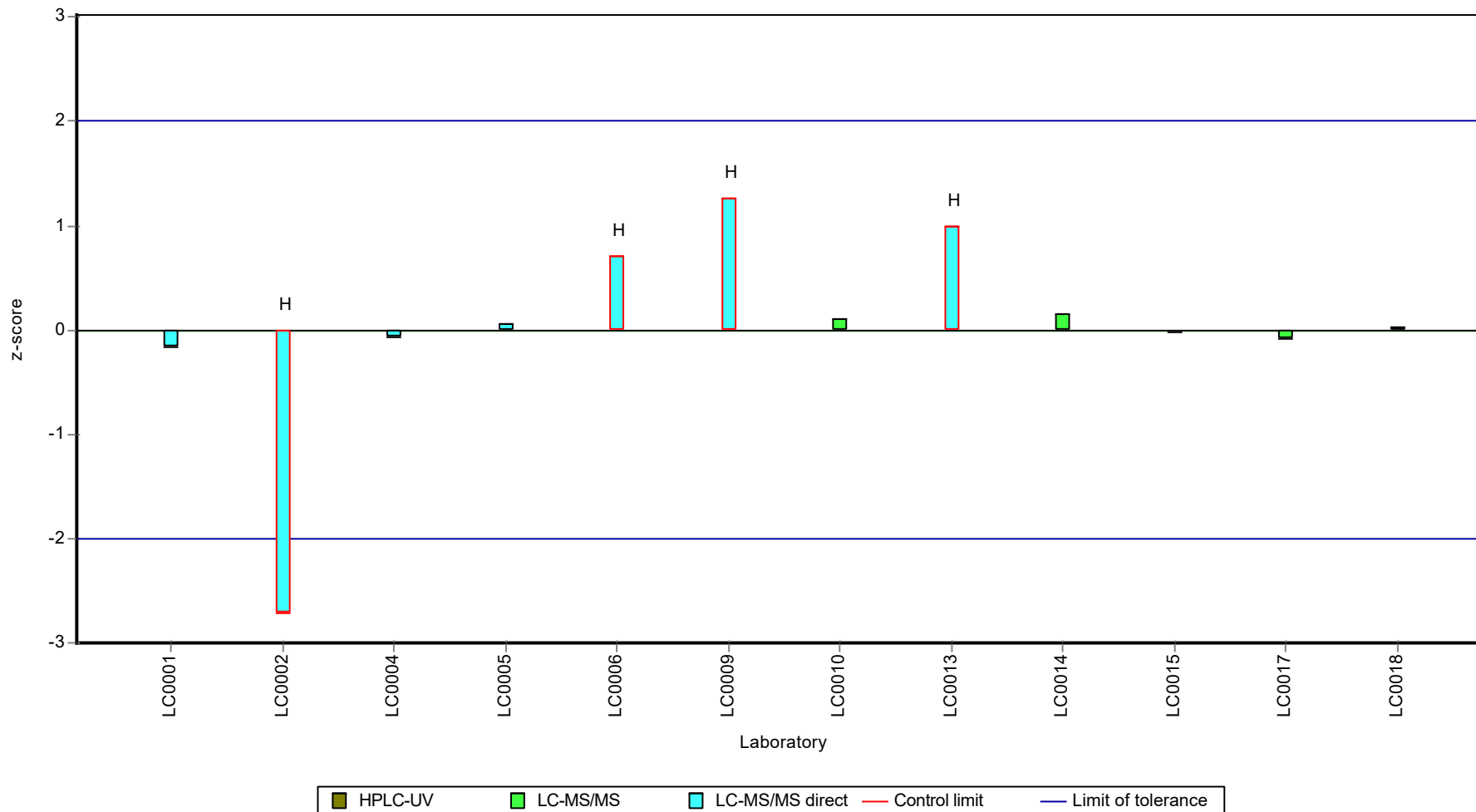
Results



Recovery rate



Z-score



Parameter oriented report

H107 A

Alachlor

Unit	µg/l
Assigned value ± U (k=2)	0.746 ± 0.0719
Criterion	0.0895 (12 %)
Minimum - Maximum	0.5 - 0.885
Control test value ± U (k=2)	0.735 ± 0.11

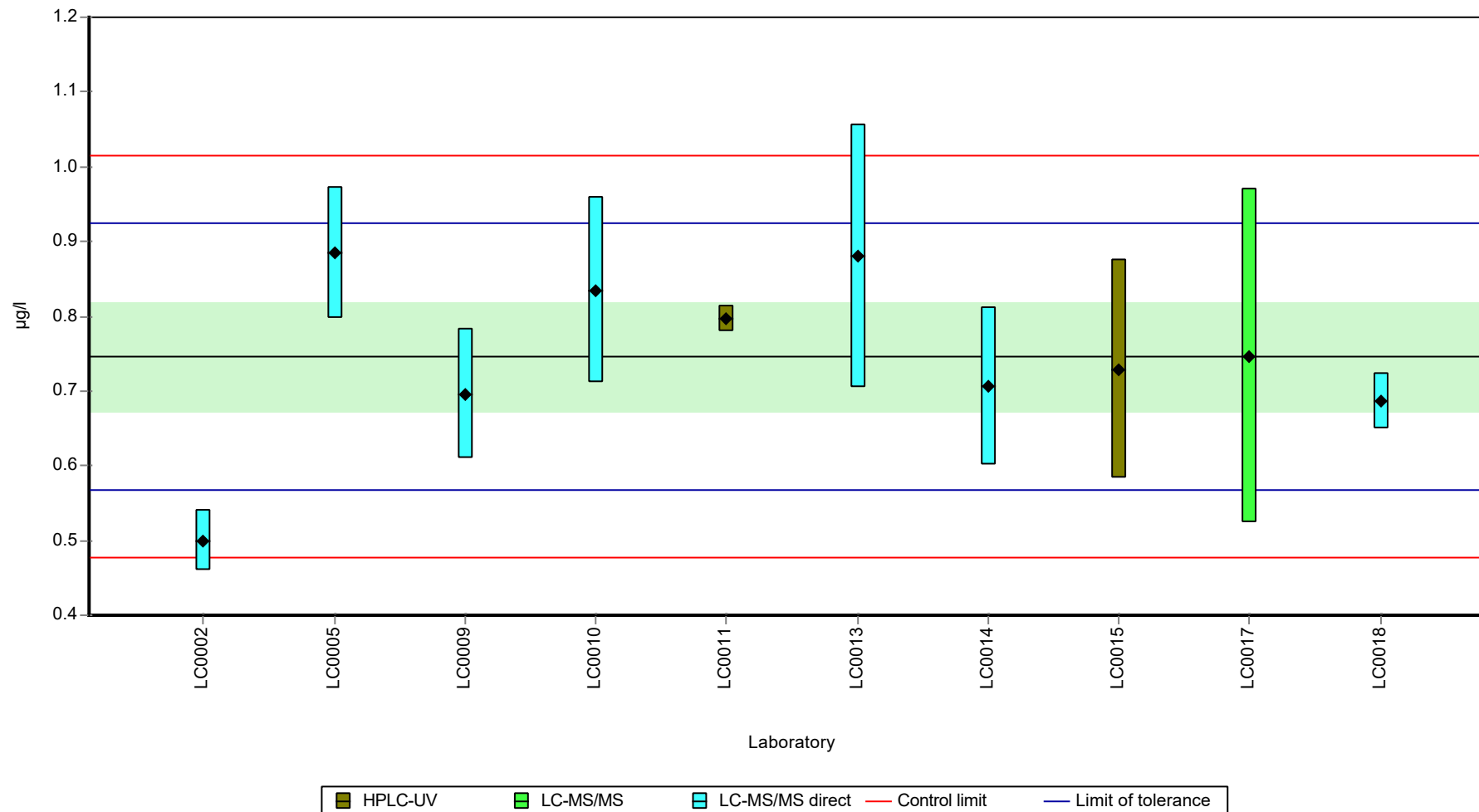
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	0.5	0.04	67	-2.75	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	0.885	0.089	119	1.55	
LC0006	-	-	-	-	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	0.696	0.087	93.3	-0.56	
LC0010	0.835	0.125	112	0.99	
LC0011	0.797	0.018	107	0.57	
LC0012	-	-	-	-	
LC0013	0.88	0.176	118	1.5	
LC0014	0.706	0.106	94.6	-0.45	
LC0015	0.729	0.146	97.7	-0.19	
LC0016	-	-	-	-	
LC0017	0.747	0.224	100	0.01	
LC0018	0.686	0.037	91.9	-0.67	

Characteristics of parameter

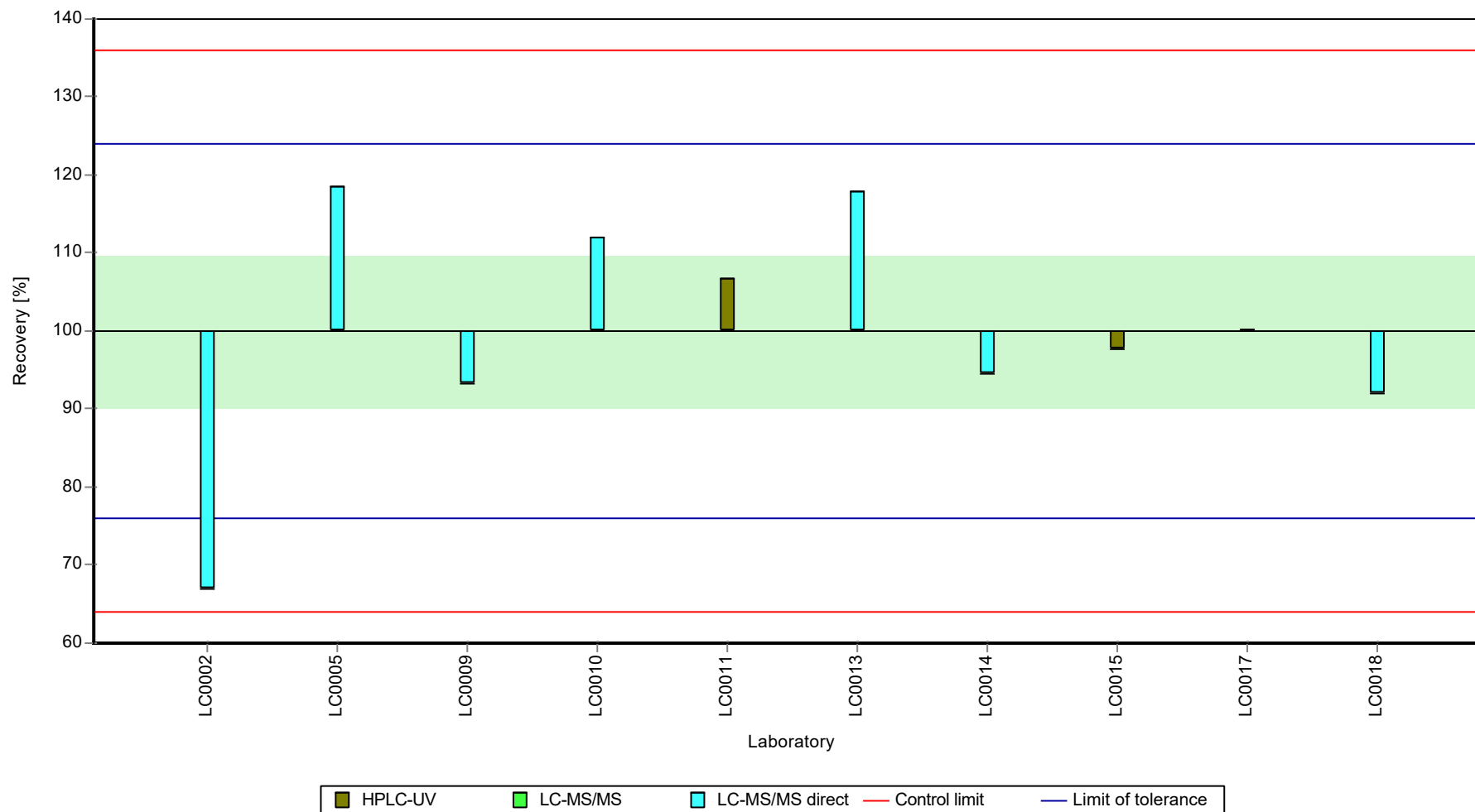
	all results	without outliers	Unit
Mean ± CI (99%)	0.746 ± 0.108	0.746 ± 0.108	µg/l
Minimum	0.5	0.5	µg/l
Maximum	0.885	0.885	µg/l
Standard deviation	0.114	0.114	µg/l
rel. standard deviation	15.2	15.2	%
n	10	10	-

Graphical presentation of results

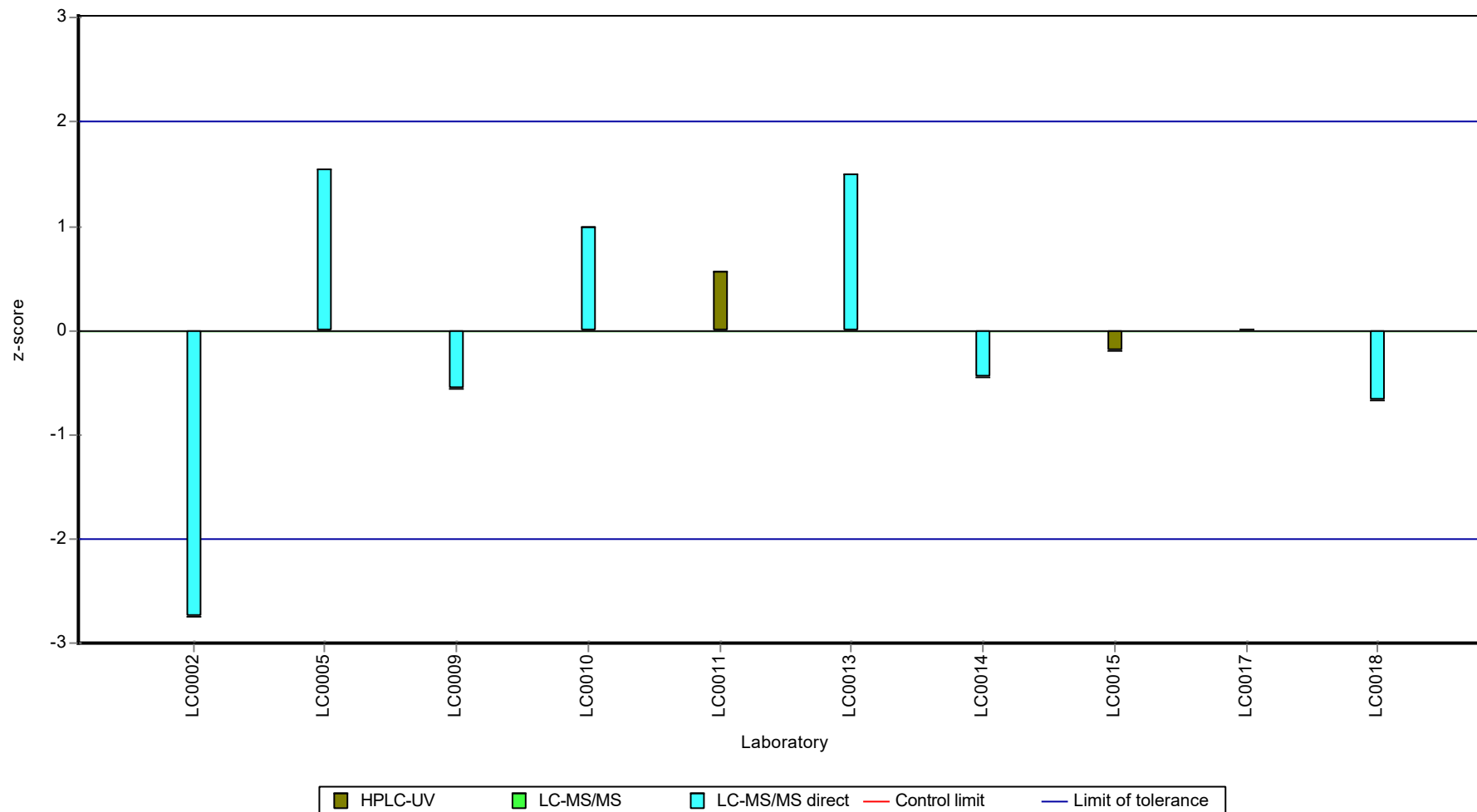
Results



Recovery rate



Z-score



Parameter oriented report

H107 B

Alachlor

Unit	µg/l
Assigned value ± U (k=2)	0.424 ± 0.0538
Criterion	0.0508 (12 %)
Minimum - Maximum	0.23 - 0.518
Control test value ± U (k=2)	0.496 ± 0.0743

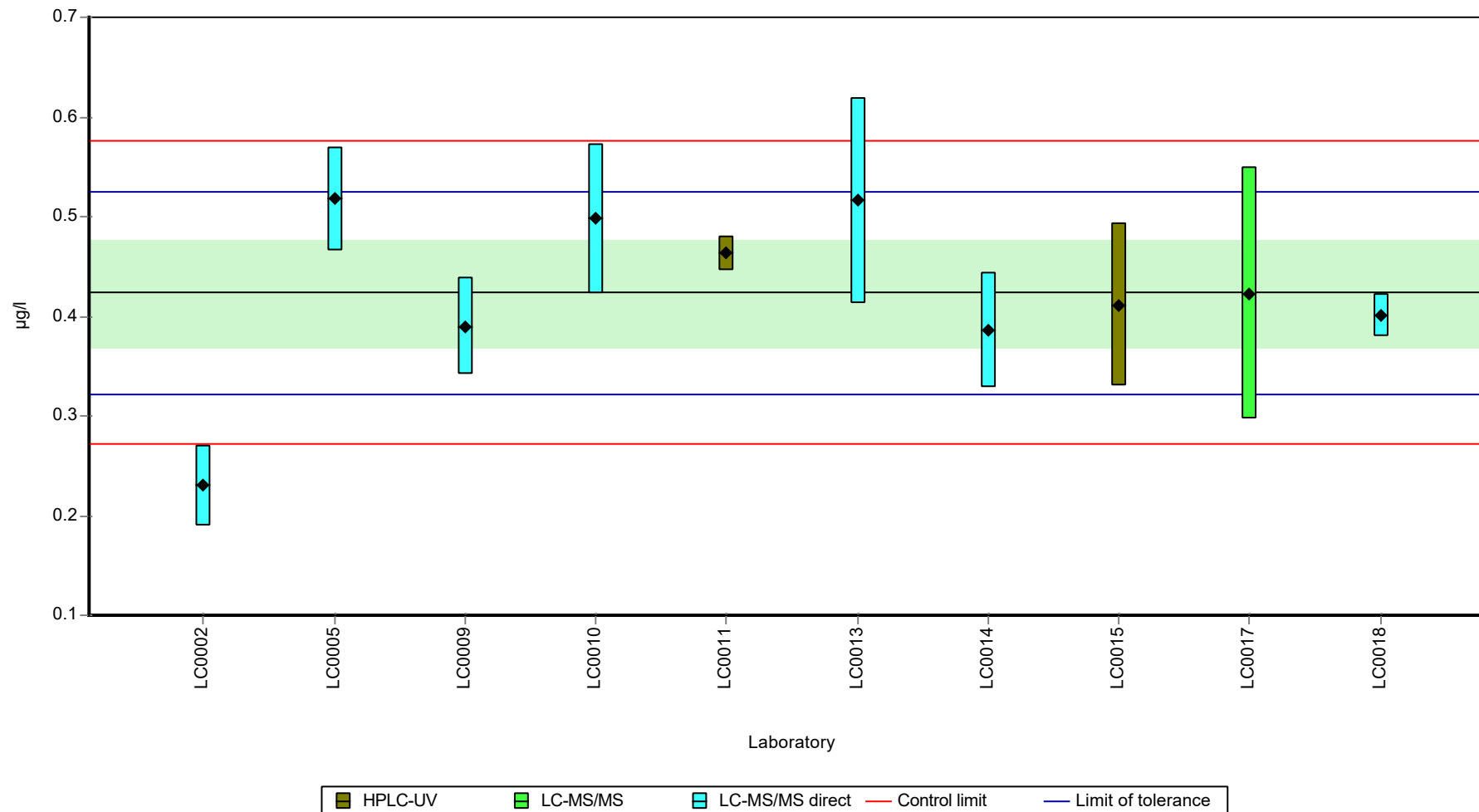
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	0.23	0.04	54.3	-3.81	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	0.518	0.052	122	1.86	
LC0006	-	-	-	-	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	0.39	0.049	92.1	-0.66	
LC0010	0.498	0.075	118	1.46	
LC0011	0.463	0.017	109	0.78	
LC0012	-	-	-	-	
LC0013	0.516	0.103	122	1.82	
LC0014	0.386	0.058	91.1	-0.74	
LC0015	0.411	0.082	97	-0.25	
LC0016	-	-	-	-	
LC0017	0.423	0.127	99.9	-0.01	
LC0018	0.401	0.021	94.7	-0.45	

Characteristics of parameter

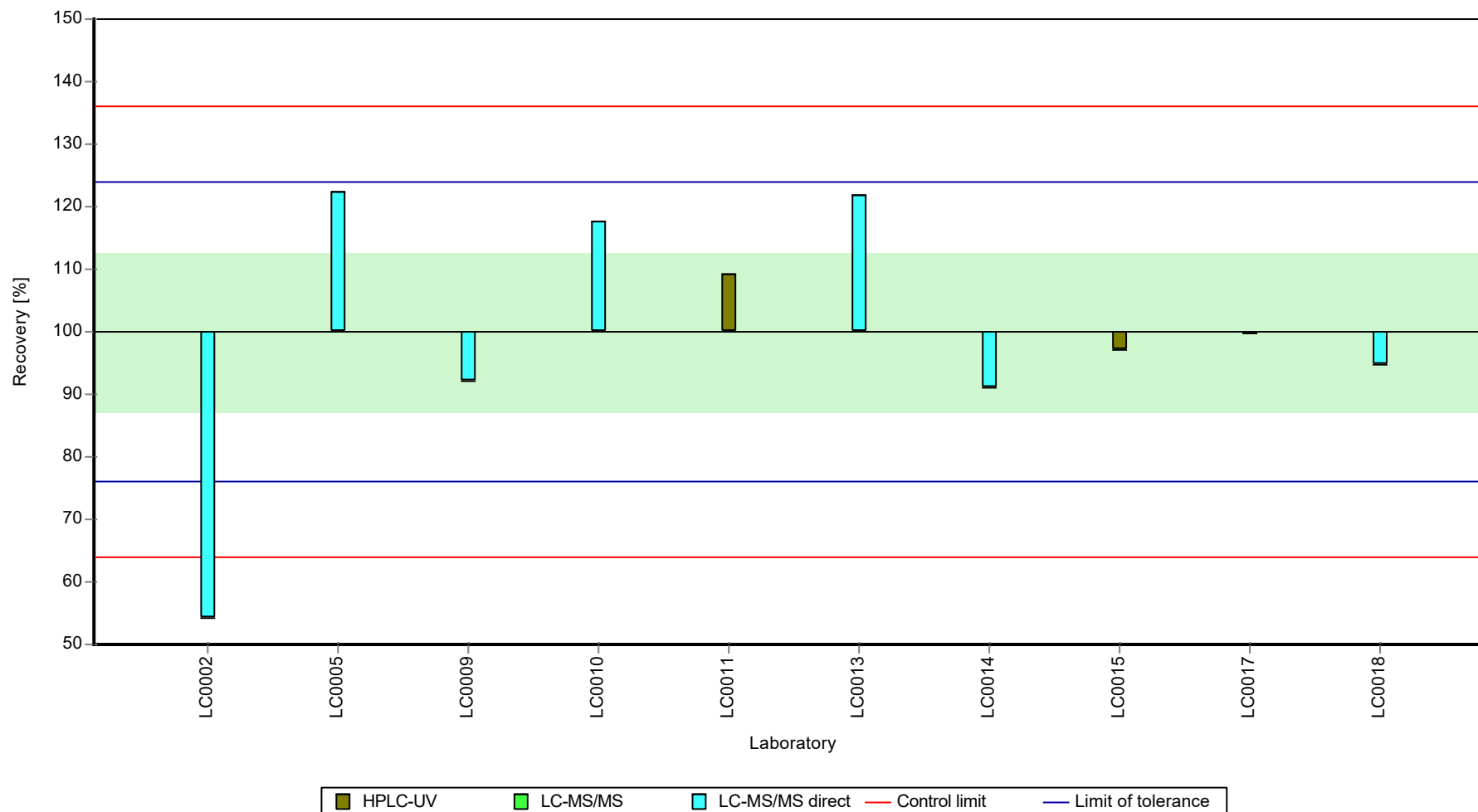
	all results	without outliers	Unit
Mean ± CI (99%)	0.424 ± 0.0808	0.424 ± 0.0808	µg/l
Minimum	0.23	0.23	µg/l
Maximum	0.518	0.518	µg/l
Standard deviation	0.0851	0.0851	µg/l
rel. standard deviation	20.1	20.1	%
n	10	10	-

Graphical presentation of results

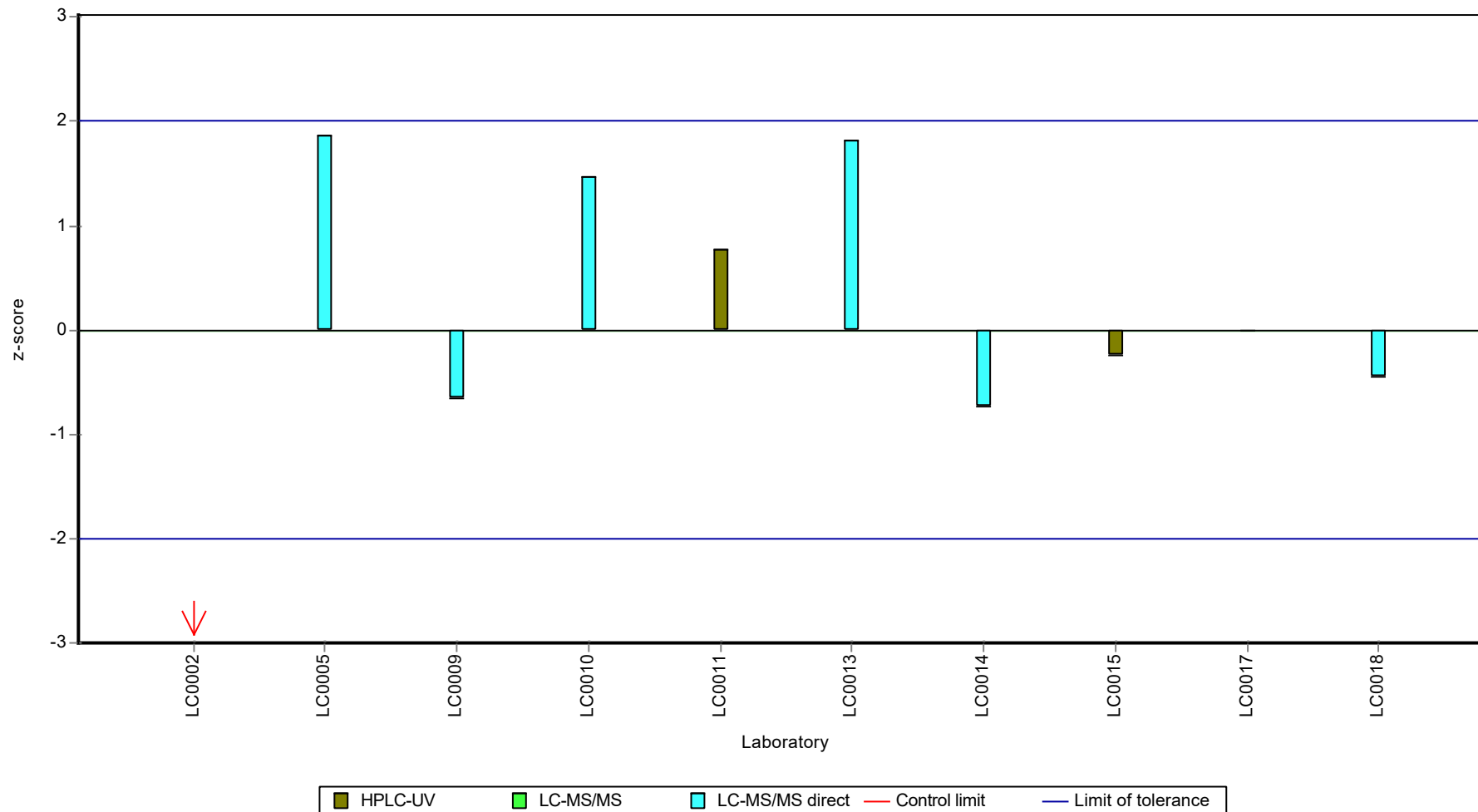
Results



Recovery rate



Z-score



Parameter oriented report

H107 A

Alachlor-t-acid (Alachlor-OA)

Unit	µg/l
Assigned value ± U (k=2)	0.271 ± 0.0693
Criterion	0.0406 (15 %)
Minimum - Maximum	0.182 - 0.42
Control test value ± U (k=2)	0.259 ± 0.0357

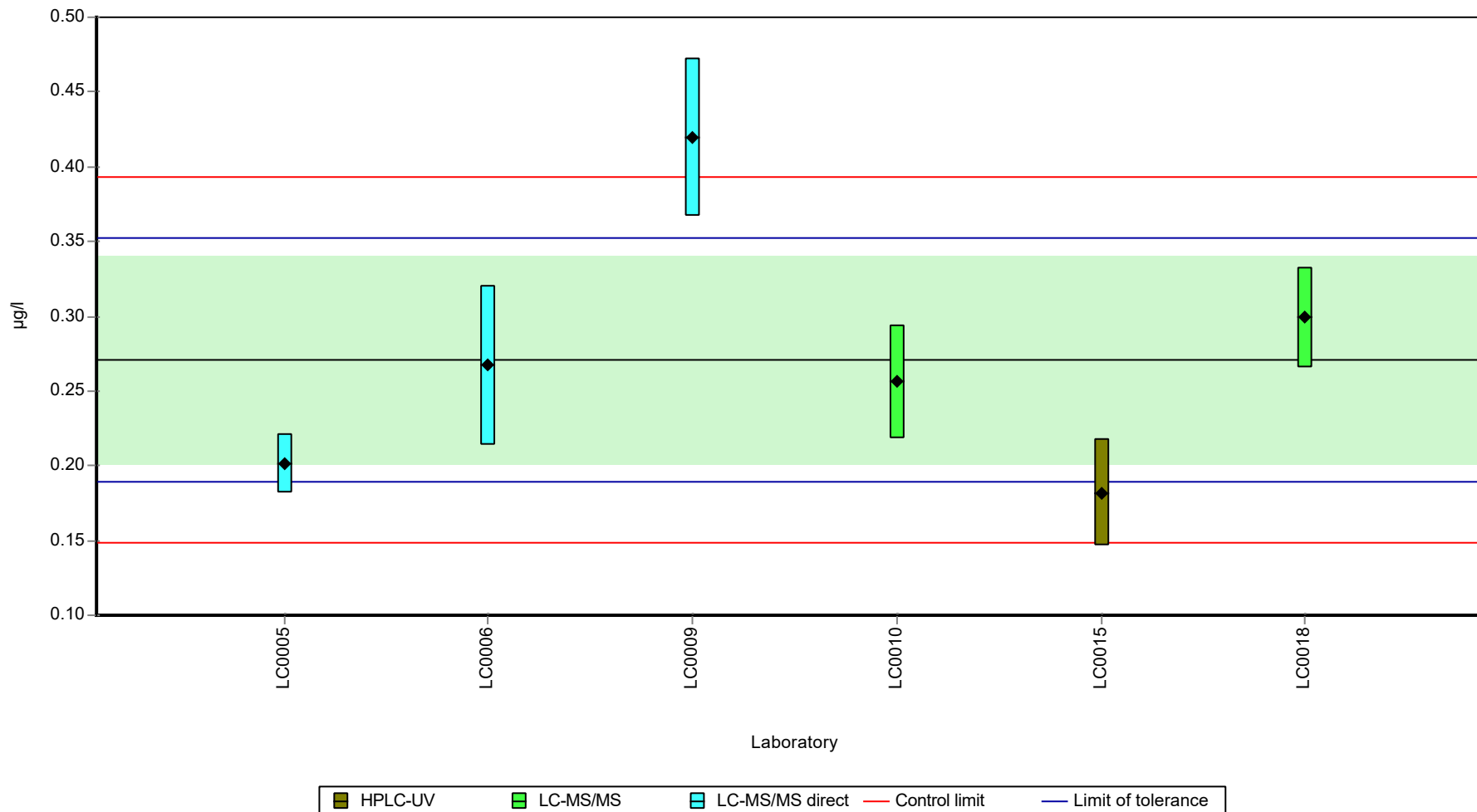
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	0.201	0.02	74.2	-1.72	
LC0006	0.267	0.053	98.6	-0.09	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	0.42	0.053	155	3.67	
LC0010	0.256	0.038	94.5	-0.36	
LC0011	-	-	-	-	
LC0012	-	-	-	-	
LC0013	-	-	-	-	
LC0014	-	-	-	-	
LC0015	0.182	0.036	67.2	-2.19	
LC0016	-	-	-	-	
LC0017	-	-	-	-	
LC0018	0.299	0.034	110	0.69	

Characteristics of parameter

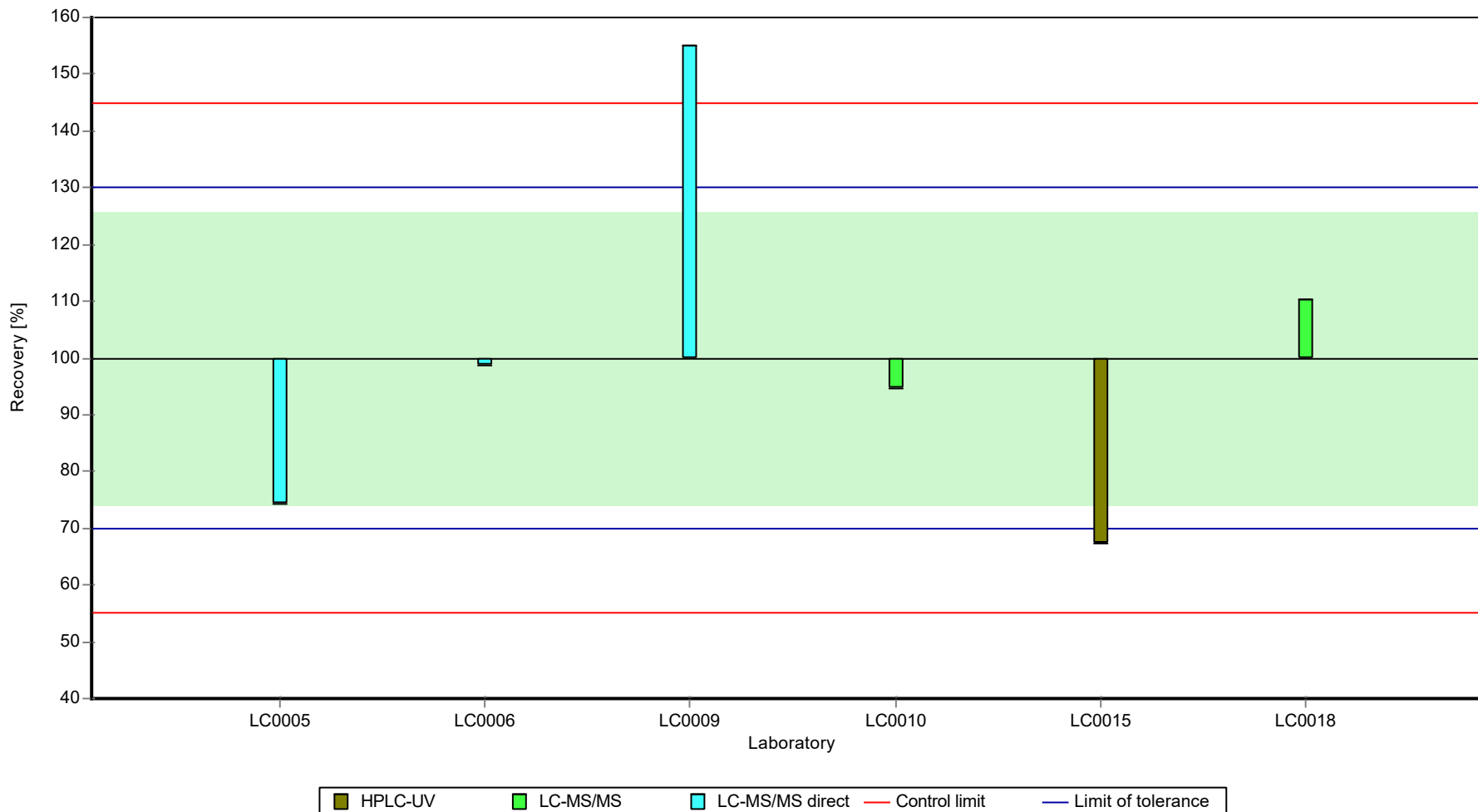
	all results	without outliers	Unit
Mean ± CI (99%)	0.271 ± 0.104	0.271 ± 0.104	µg/l
Minimum	0.182	0.182	µg/l
Maximum	0.42	0.42	µg/l
Standard deviation	0.0849	0.0849	µg/l
rel. standard deviation	31.4	31.4	%
n	6	6	-

Graphical presentation of results

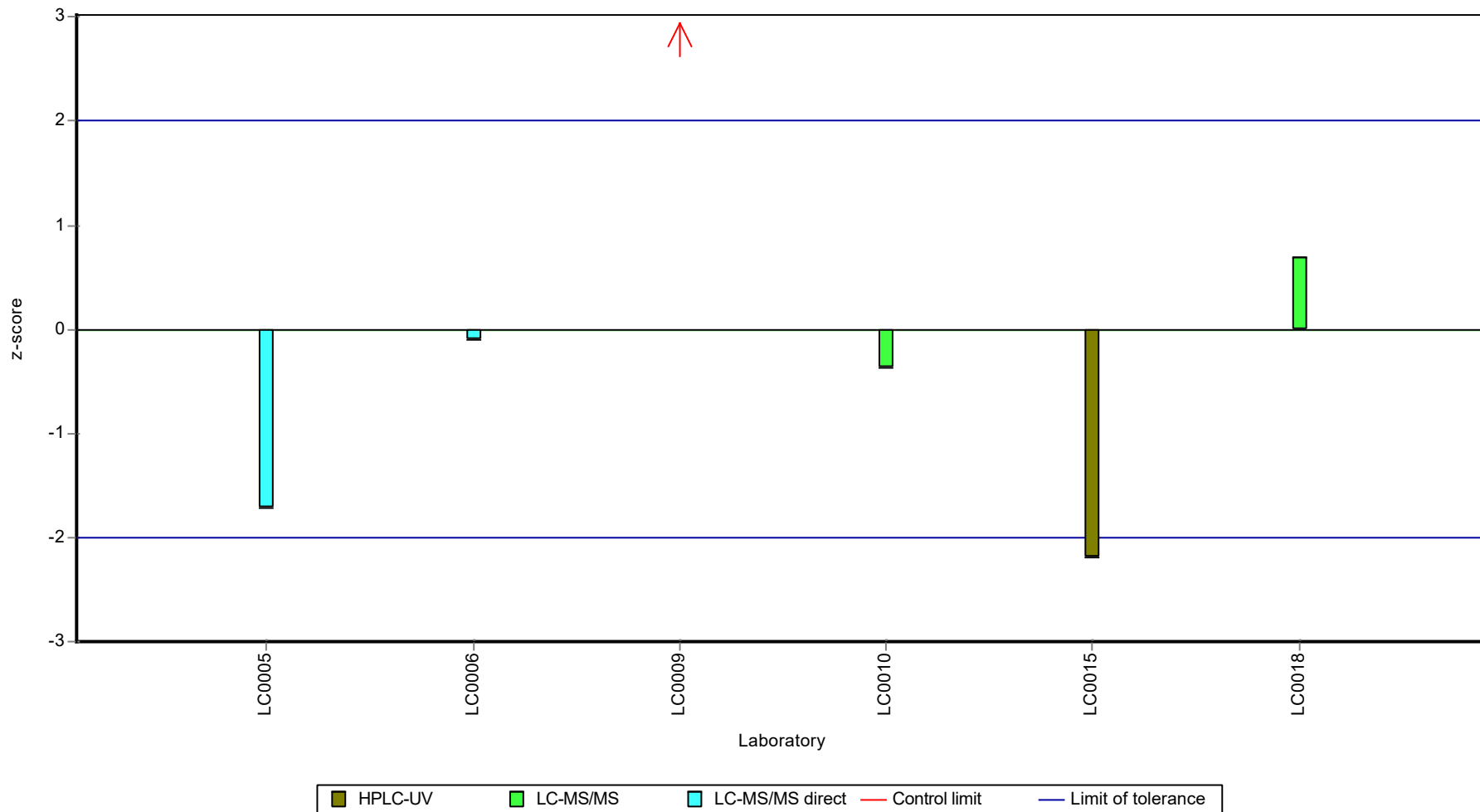
Results



Recovery rate



Z-score



Parameter oriented report

H107 B

Alachlor-t-acid (Alachlor-OA)

Unit	µg/l
Assigned value ± U (k=2)	0.564 ± 0.134
Criterion	0.0846 (15 %)
Minimum - Maximum	0.403 - 0.855
Control test value ± U (k=2)	0.520 ± 0.0716

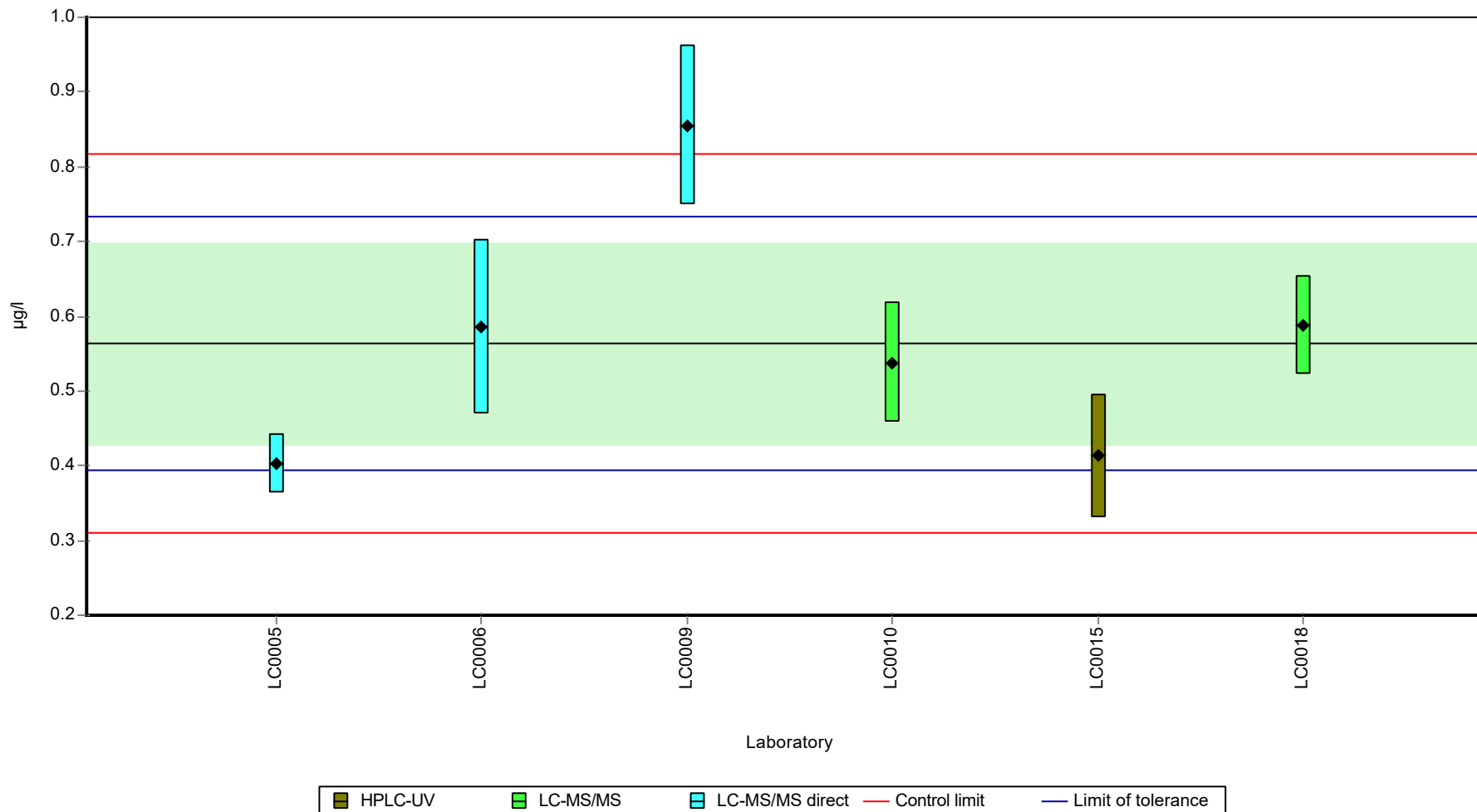
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	0.403	0.04	71.5	-1.9	
LC0006	0.585	0.117	104	0.25	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	0.855	0.107	152	3.45	
LC0010	0.538	0.081	95.4	-0.3	
LC0011	-	-	-	-	
LC0012	-	-	-	-	
LC0013	-	-	-	-	
LC0014	-	-	-	-	
LC0015	0.413	0.083	73.3	-1.78	
LC0016	-	-	-	-	
LC0017	-	-	-	-	
LC0018	0.588	0.066	104	0.29	

Characteristics of parameter

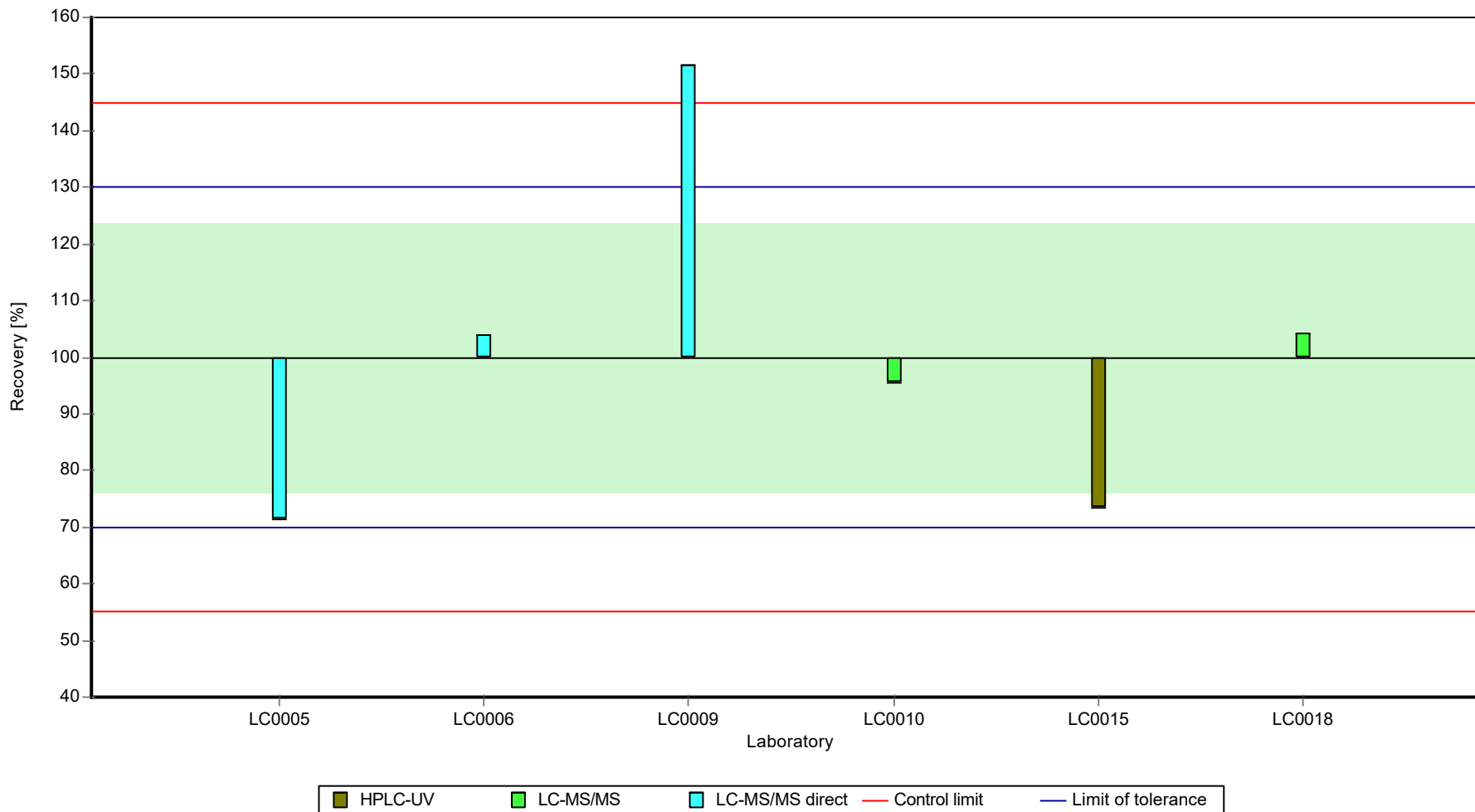
	all results	without outliers	Unit
Mean ± CI (99%)	0.564 ± 0.201	0.564 ± 0.201	µg/l
Minimum	0.403	0.403	µg/l
Maximum	0.855	0.855	µg/l
Standard deviation	0.164	0.164	µg/l
rel. standard deviation	29.2	29.2	%
n	6	6	-

Graphical presentation of results

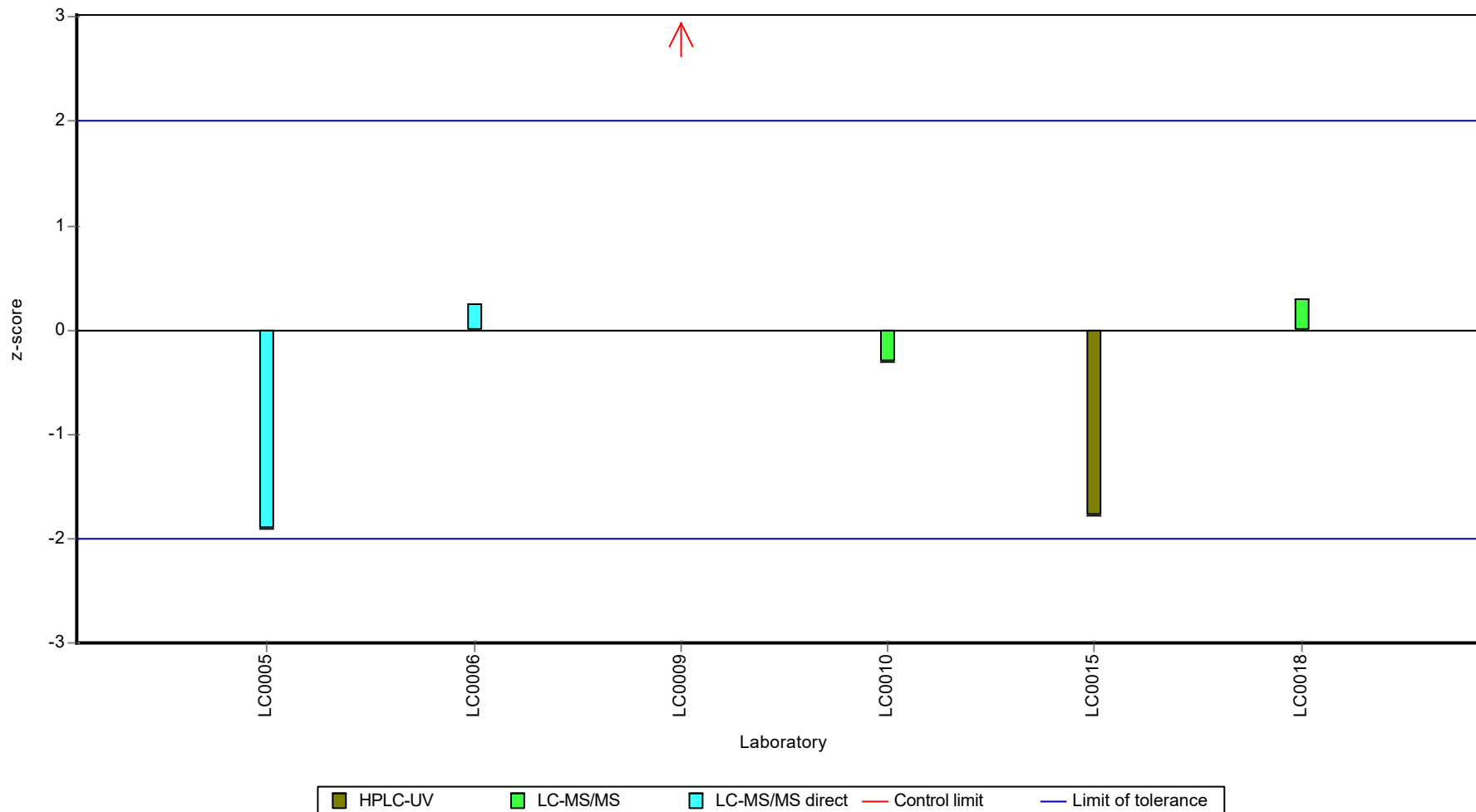
Results



Recovery rate



Z-score



Parameter oriented report

H107 A

Alachlor-t-sulfonic acid (Alachlor-ESA)

Unit	µg/l
Assigned value ± U (k=2)	0.164 ± 0.0375
Criterion	0.0459 (28 %)
Minimum - Maximum	0.114 - 0.247
Control test value ± U (k=2)	0.134 ± 0.0229

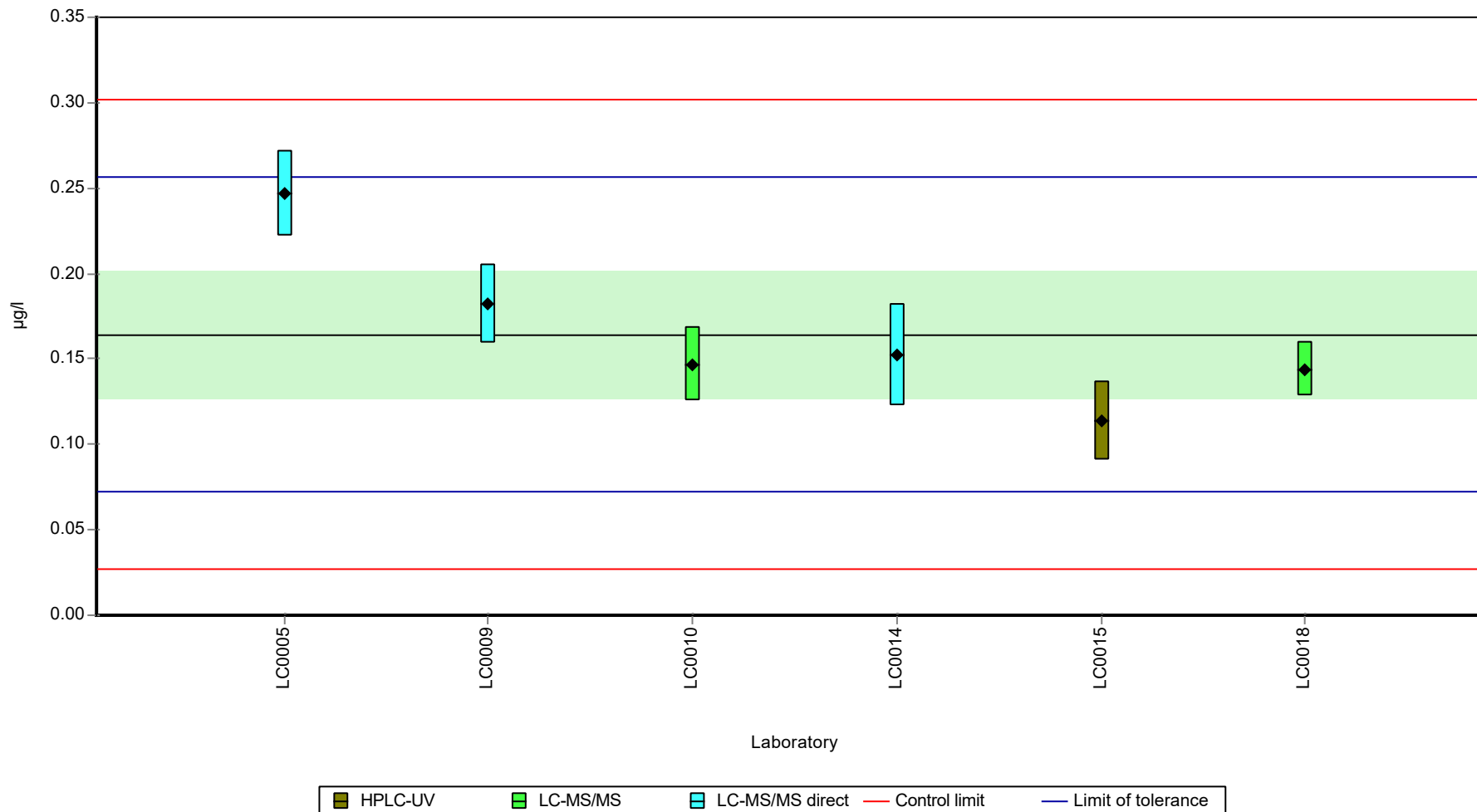
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	0.247	0.025	150	1.8	
LC0006	-	-	-	-	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	0.182	0.023	111	0.39	
LC0010	0.147	0.022	89.5	-0.38	
LC0011	-	-	-	-	
LC0012	-	-	-	-	
LC0013	-	-	-	-	
LC0014	0.152	0.03	92.5	-0.27	
LC0015	0.114	0.023	69.4	-1.1	
LC0016	-	-	-	-	
LC0017	-	-	-	-	
LC0018	0.144	0.016	87.6	-0.44	

Characteristics of parameter

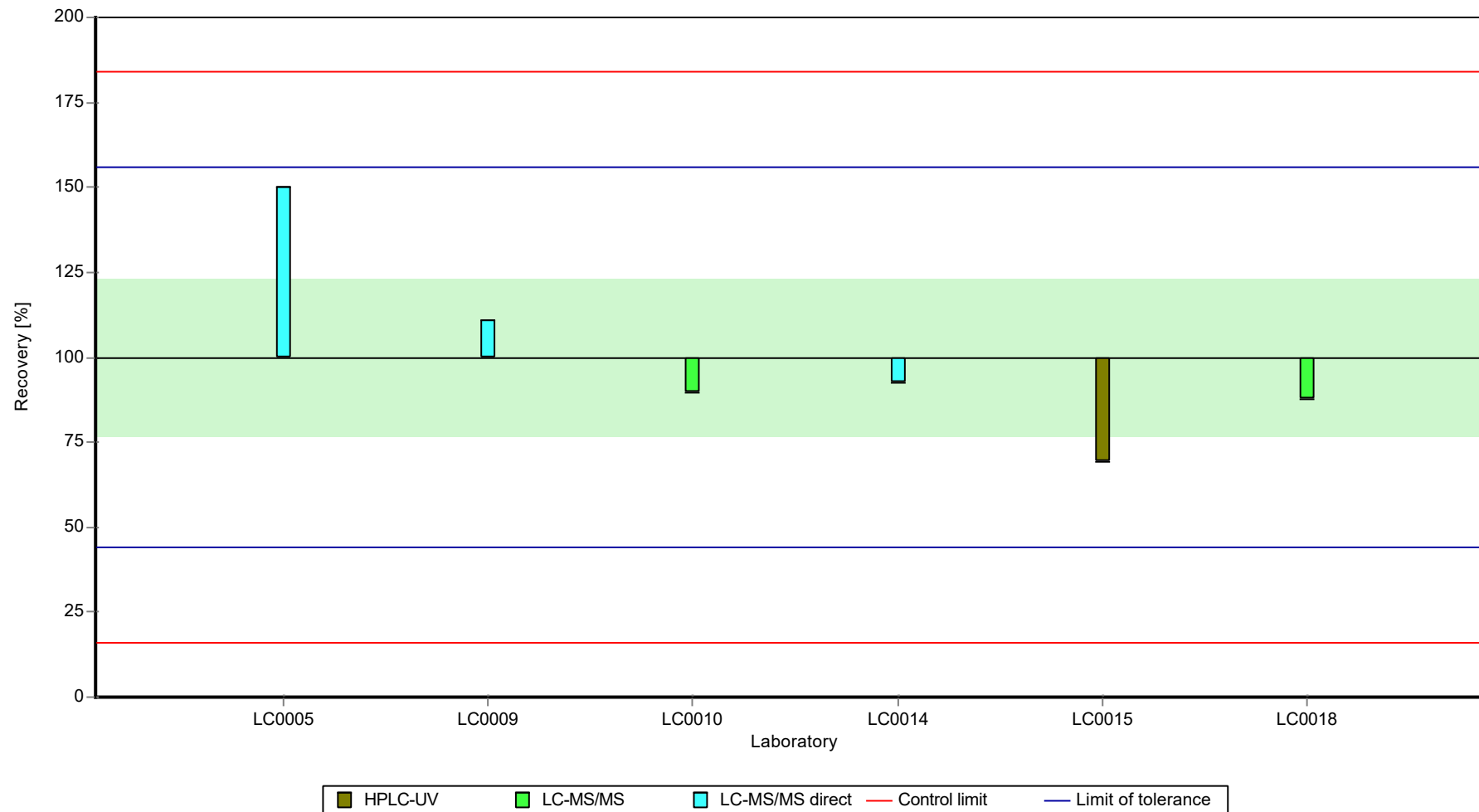
	all results	without outliers	Unit
Mean ± CI (99%)	0.164 ± 0.0562	0.164 ± 0.0562	µg/l
Minimum	0.114	0.114	µg/l
Maximum	0.247	0.247	µg/l
Standard deviation	0.0459	0.0459	µg/l
rel. standard deviation	27.9	27.9	%
n	6	6	-

Graphical presentation of results

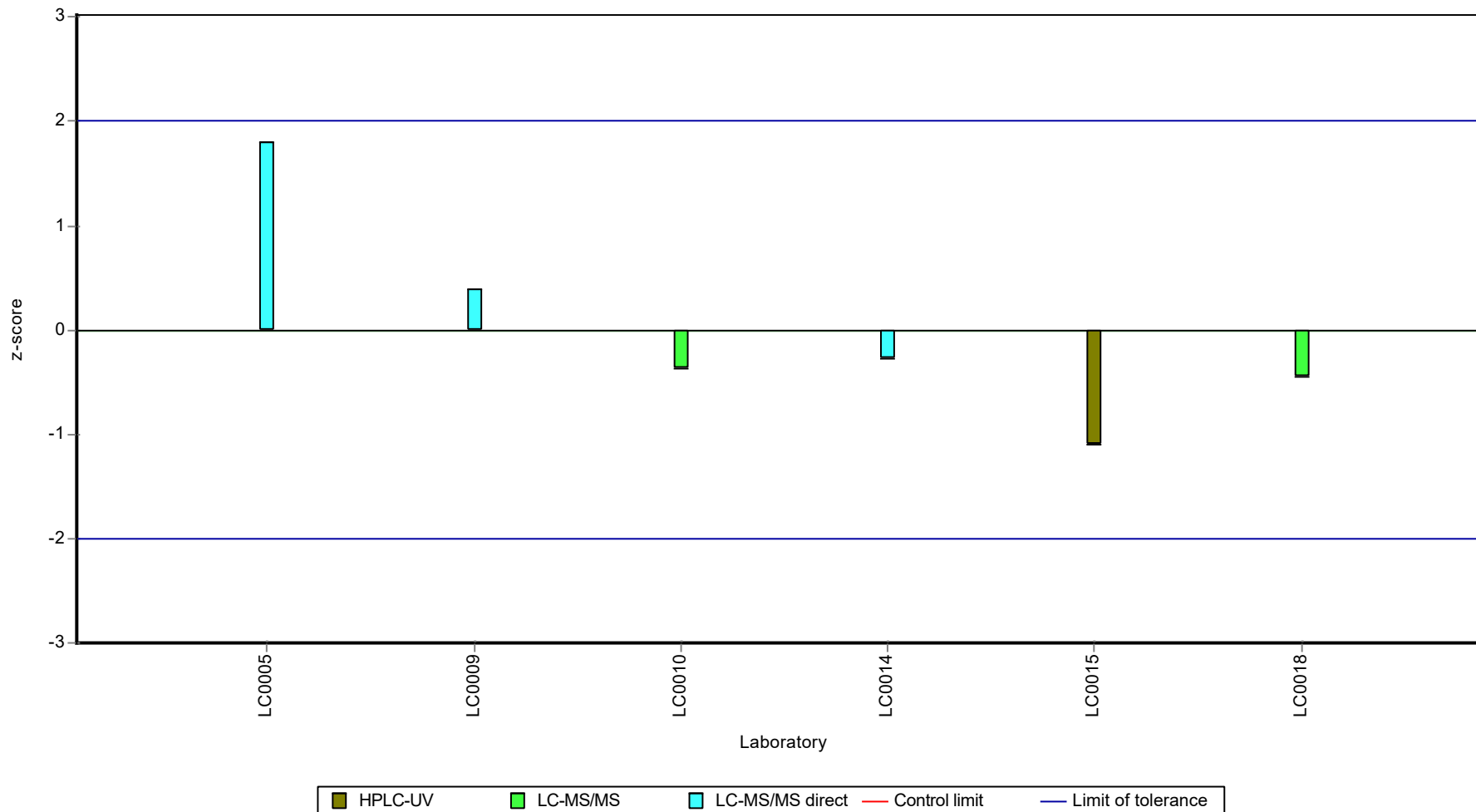
Results



Recovery rate



Z-score



Parameter oriented report

H107 B

Alachlor-t-sulfonic acid (Alachlor-ESA)

Unit	µg/l
Assigned value ± U (k=2)	-
Criterion	-
Minimum - Maximum	0.153 - 0.185
Control test value ± U (k=2)	0.147 ± 0.0251

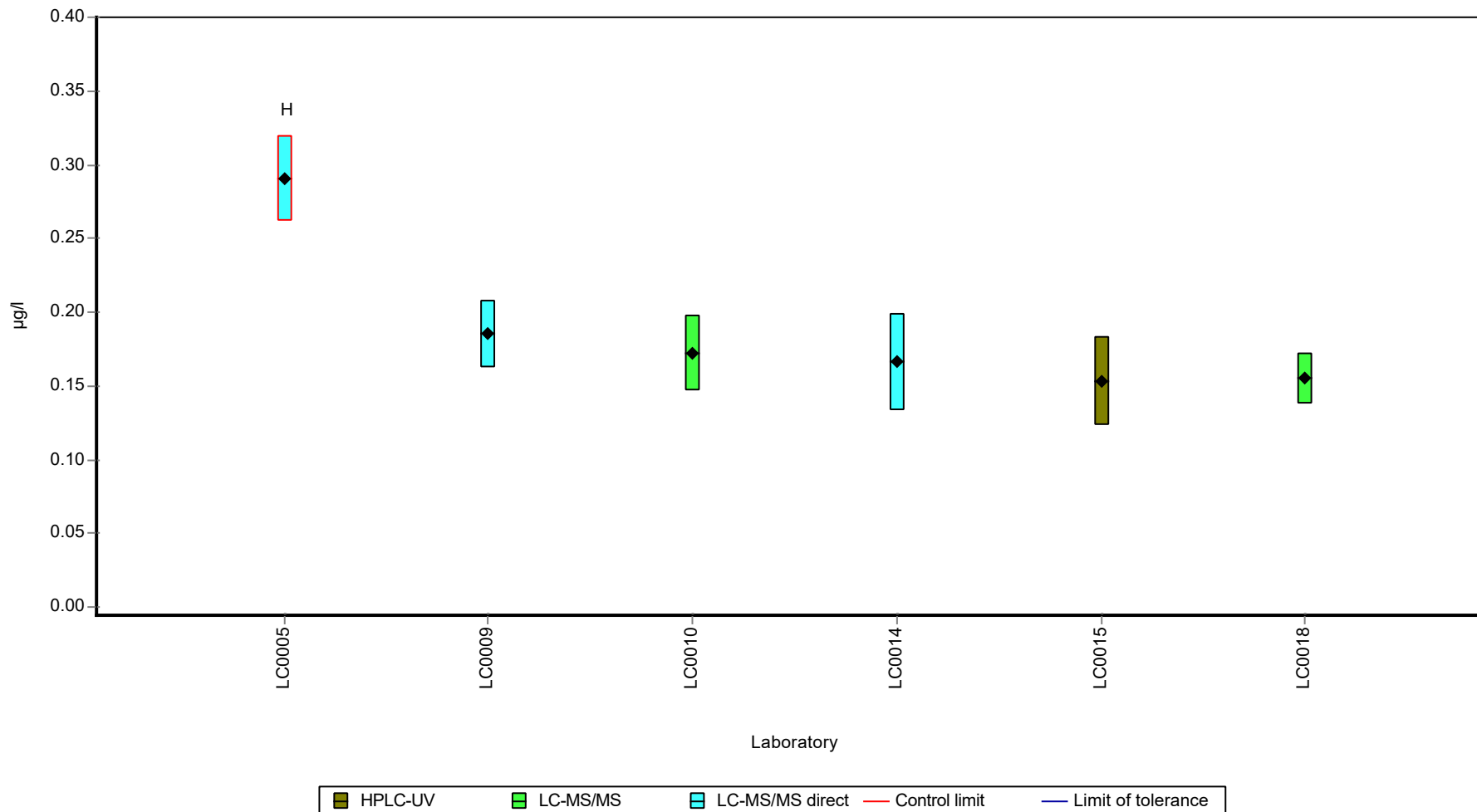
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	0.291	0.029	-	-	H
LC0006	-	-	-	-	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	0.185	0.023	-	-	
LC0010	0.172	0.026	-	-	
LC0011	-	-	-	-	
LC0012	-	-	-	-	
LC0013	-	-	-	-	
LC0014	0.166	0.033	-	-	
LC0015	0.153	0.03	-	-	
LC0016	-	-	-	-	
LC0017	-	-	-	-	
LC0018	0.155	0.017	-	-	

Characteristics of parameter

	all results	without outliers	Unit
Mean ± CI (99%)	0.187 ± 0.064	-	µg/l
Minimum	0.153	0.153	µg/l
Maximum	0.291	0.185	µg/l
Standard deviation	0.0523	-	µg/l
rel. standard deviation	28	-	%
n	6	5	-

Graphical presentation of results

Results



Parameter oriented report

H107 A

AMPA

Unit	µg/l	No data evaluation possible.
Assigned value ± U (k=2)	-	
Criterion	-	
Minimum - Maximum	-	
Control test value ± U (k=2)	< 0.06 (LOQ)	

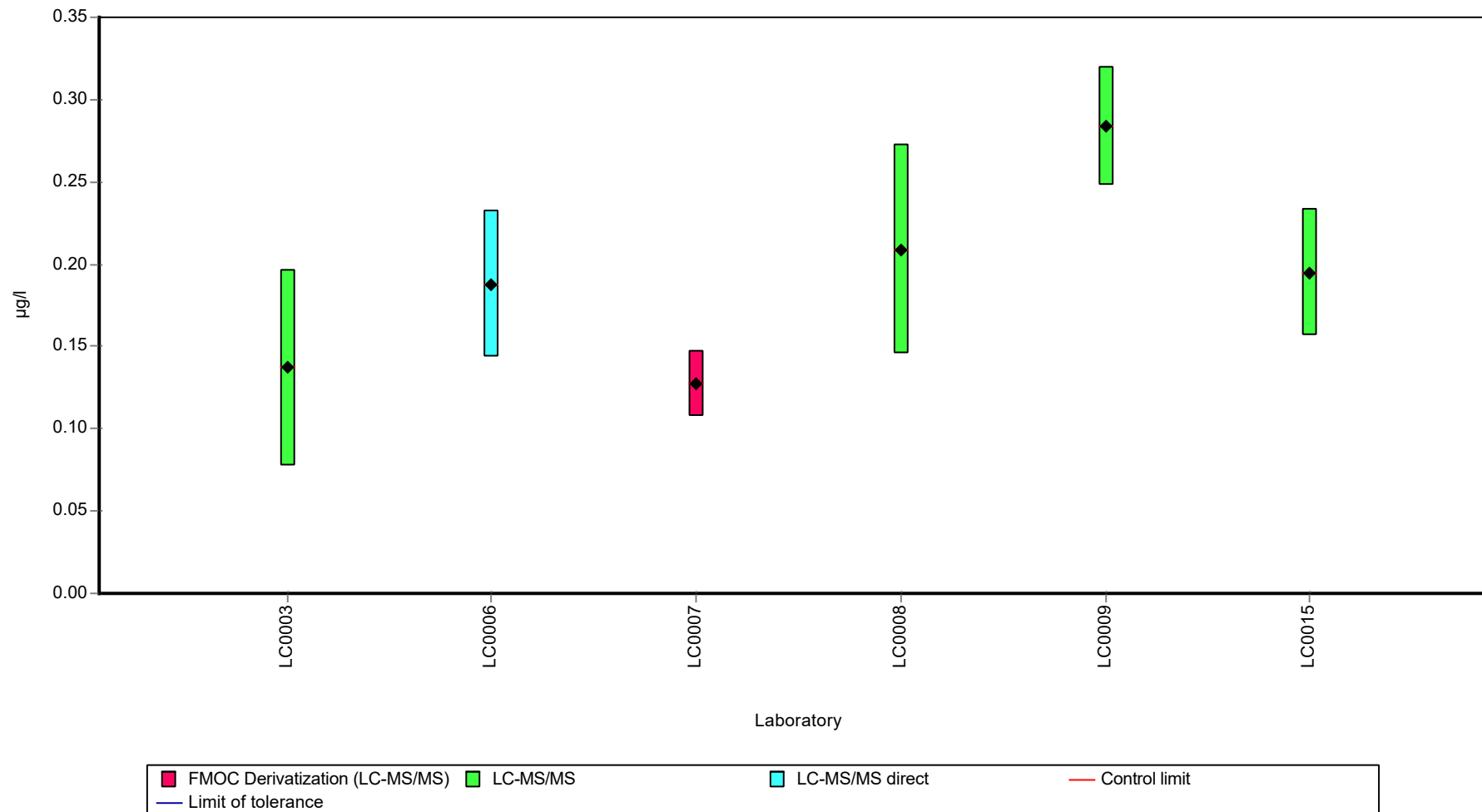
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	< 0.1 (LOQ)	-	-	-	
LC0003	0.137	0.06	-	-	
LC0004	-	-	-	-	
LC0005	-	-	-	-	
LC0006	0.188	0.045	-	-	
LC0007	0.127	0.02	-	-	
LC0008	0.209	0.064	-	-	
LC0009	0.284	0.036	-	-	
LC0010	-	-	-	-	
LC0011	-	-	-	-	
LC0012	< 0.1 (LOQ)	-	-	-	
LC0013	< 0.05 (LOQ)	-	-	-	
LC0014	-	-	-	-	
LC0015	0.195	0.039	-	-	
LC0016	-	-	-	-	
LC0017	-	-	-	-	
LC0018	< 0.05 (LOQ)	-	-	-	

Characteristics of parameter

	all results	without outliers	Unit
Mean ± CI (99%)	0.19 ± 0.0693	-	µg/l
Minimum	0.127	-	µg/l
Maximum	0.284	-	µg/l
Standard deviation	0.0566	-	µg/l
rel. standard deviation	29.8	-	%
n	6	0	-

Graphical presentation of results

Results



Parameter oriented report

H107 B

AMPA

Unit	µg/l
Assigned value ± U (k=2)	0.184 ± 0.0175
Criterion	0.0239 (13 %)
Minimum - Maximum	0.145 - 0.218
Control test value ± U (k=2)	0.155 ± 0.0389

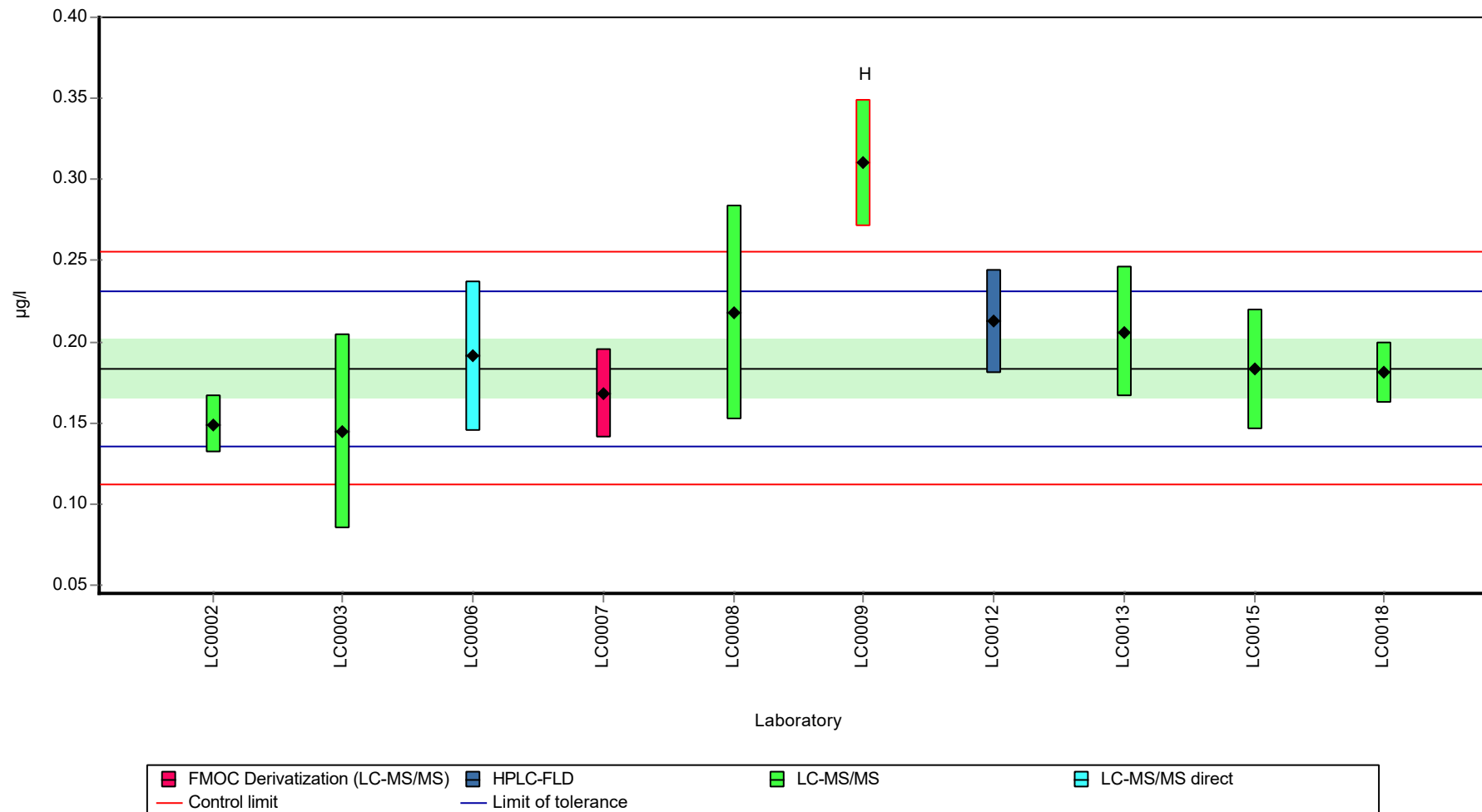
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	0.149	0.018	81.1	-1.45	
LC0003	0.145	0.06	78.9	-1.62	
LC0004	-	-	-	-	
LC0005	-	-	-	-	
LC0006	0.191	0.046	104	0.3	
LC0007	0.168	0.027	91.4	-0.66	
LC0008	0.218	0.066	119	1.43	
LC0009	0.31	0.039	169	5.29	H
LC0010	-	-	-	-	
LC0011	-	-	-	-	
LC0012	0.21258	0.032	116	1.21	
LC0013	0.206	0.04	112	0.93	
LC0014	-	-	-	-	
LC0015	0.183	0.037	99.6	-0.03	
LC0016	-	-	-	-	
LC0017	-	-	-	-	
LC0018	0.181	0.019	98.5	-0.11	

Characteristics of parameter

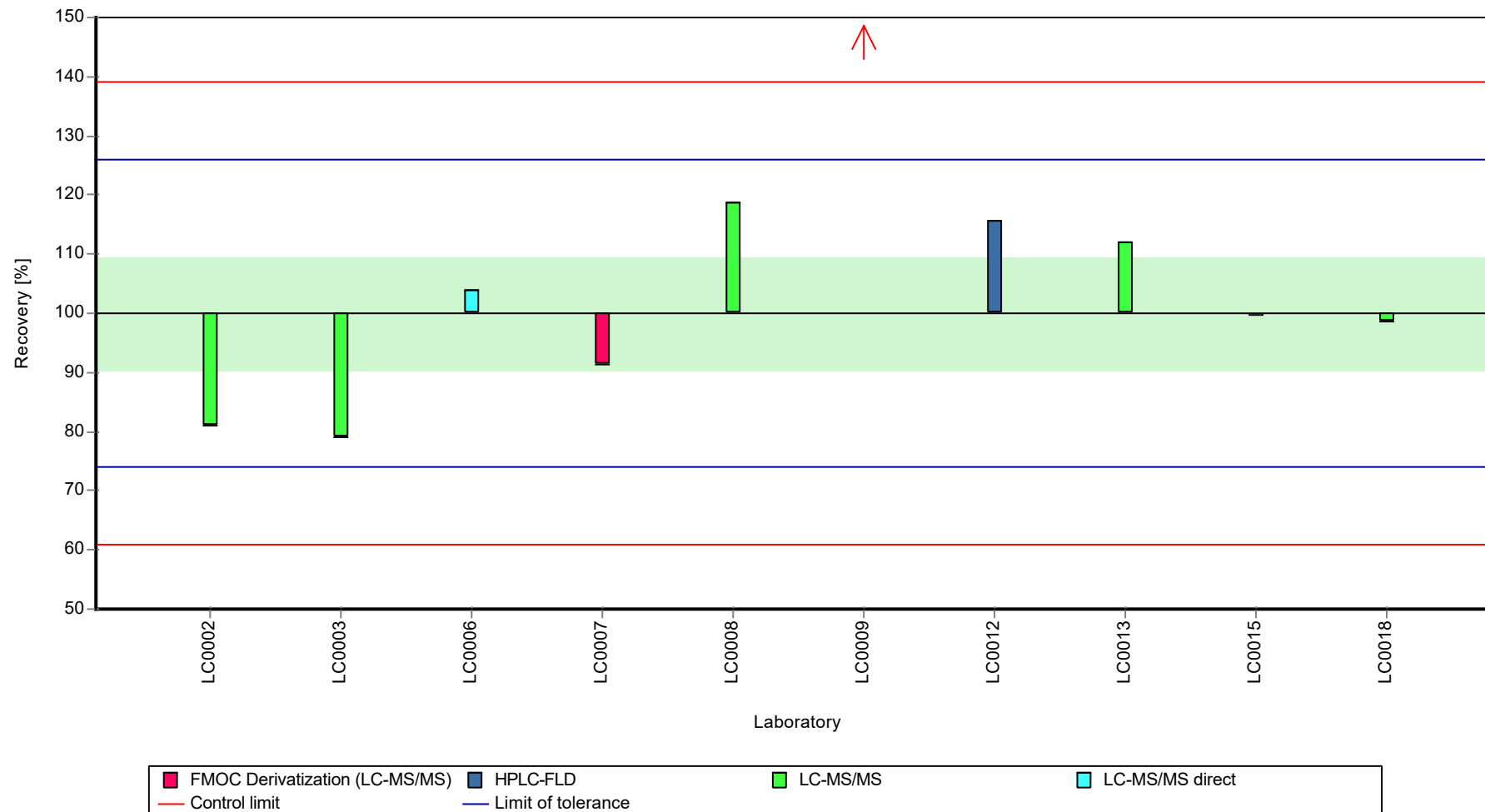
	all results	without outliers	Unit
Mean ± CI (99%)	0.196 ± 0.0446	0.184 ± 0.0263	µg/l
Minimum	0.145	0.145	µg/l
Maximum	0.31	0.218	µg/l
Standard deviation	0.047	0.0263	µg/l
rel. standard deviation	23.9	14.3	%
n	10	9	-

Graphical presentation of results

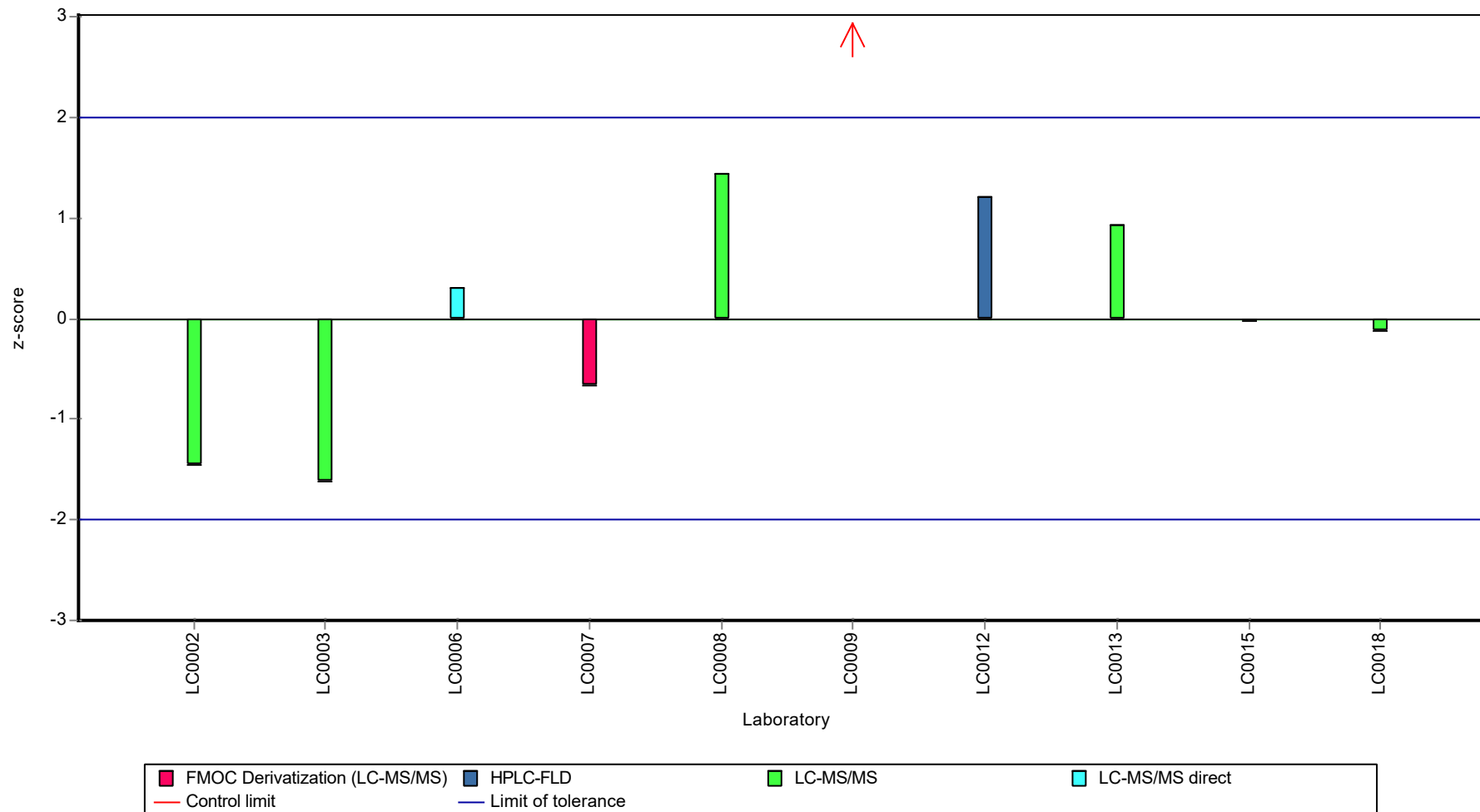
Results



Recovery rate



Z-score



Parameter oriented report

H107 A

Bentazone

Unit	µg/l
Assigned value ± U (k=2)	0.353 ± 0.0127
Criterion	0.053 (15 %)
Minimum - Maximum	0.319 - 0.388
Control test value ± U (k=2)	0.337 ± 0.0506

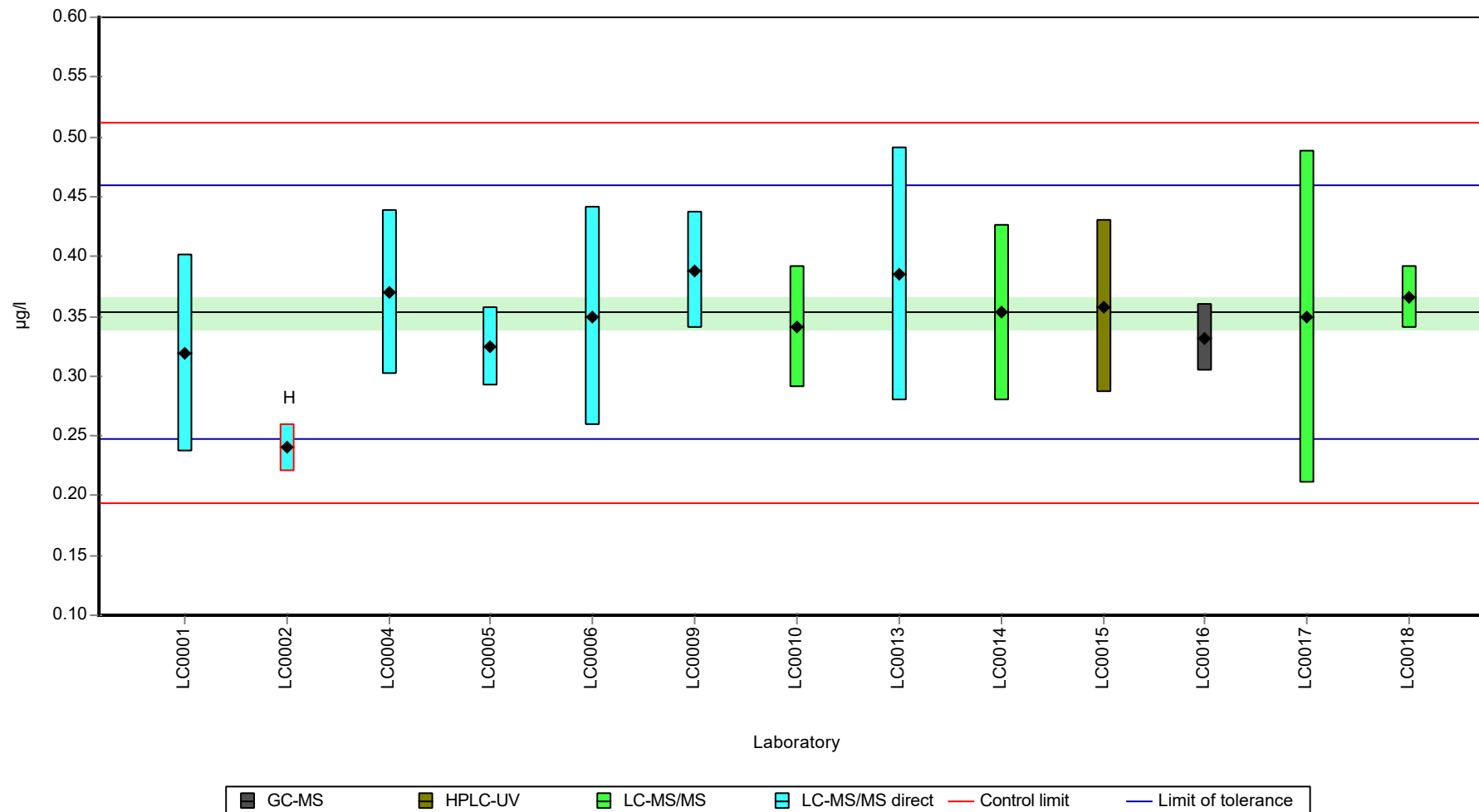
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.319	0.083	90.4	-0.64	
LC0002	0.24	0.02	68	-2.13	H
LC0003	-	-	-	-	
LC0004	0.37	0.069	105	0.32	
LC0005	0.325	0.033	92.1	-0.53	
LC0006	0.35	0.091	99.2	-0.06	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	0.388	0.049	110	0.66	
LC0010	0.341	0.051	96.6	-0.23	
LC0011	-	-	-	-	
LC0012	-	-	-	-	
LC0013	0.385	0.106	109	0.6	
LC0014	0.353	0.074	100	0	
LC0015	0.358	0.072	101	0.09	
LC0016	0.332	0.028	94.1	-0.4	
LC0017	0.349	0.139	98.9	-0.08	
LC0018	0.366	0.026	104	0.25	

Characteristics of parameter

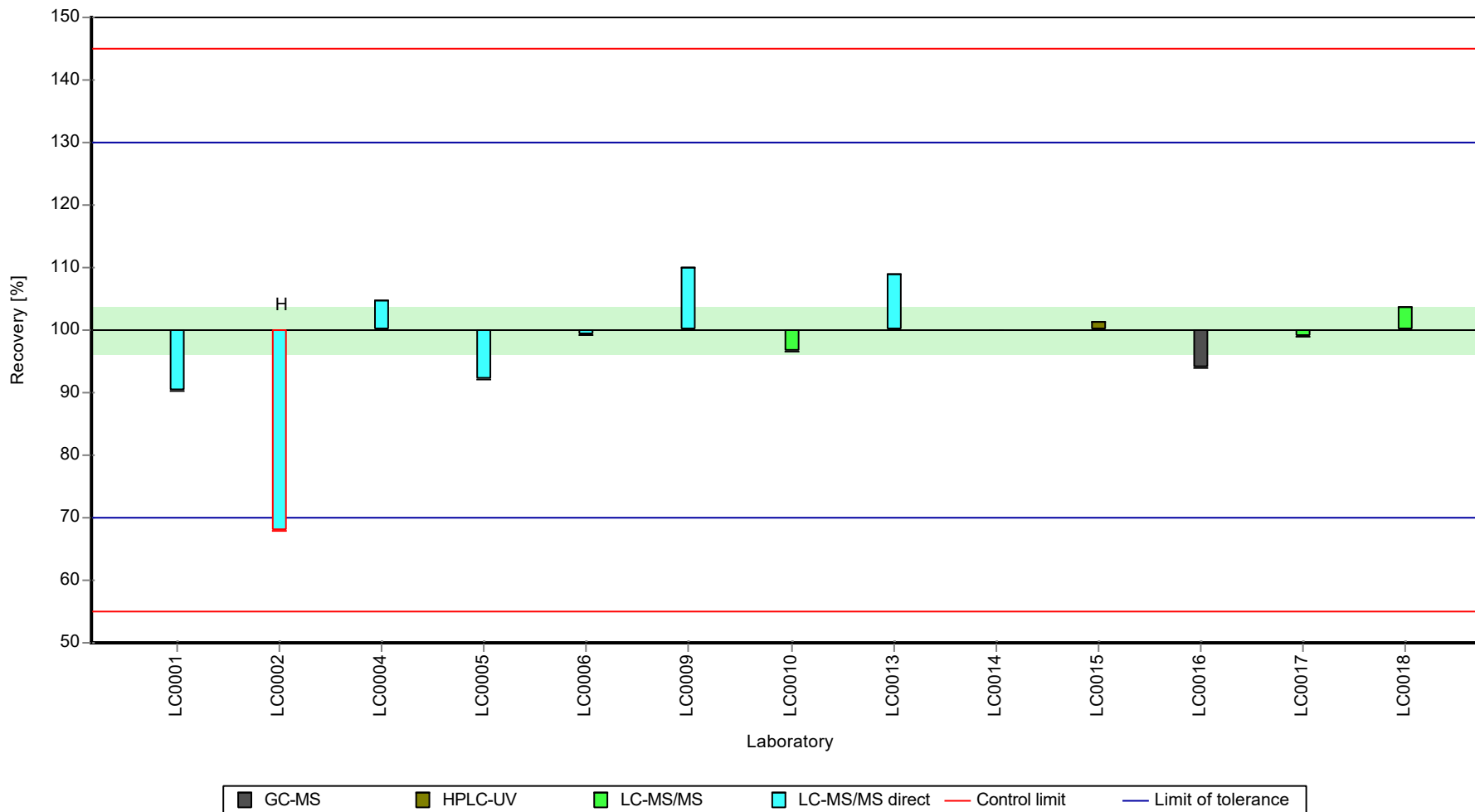
	all results	without outliers	Unit
Mean ± CI (99%)	0.344 ± 0.0314	0.353 ± 0.019	µg/l
Minimum	0.24	0.319	µg/l
Maximum	0.388	0.388	µg/l
Standard deviation	0.0377	0.0219	µg/l
rel. standard deviation	11	6.21	%
n	13	12	-

Graphical presentation of results

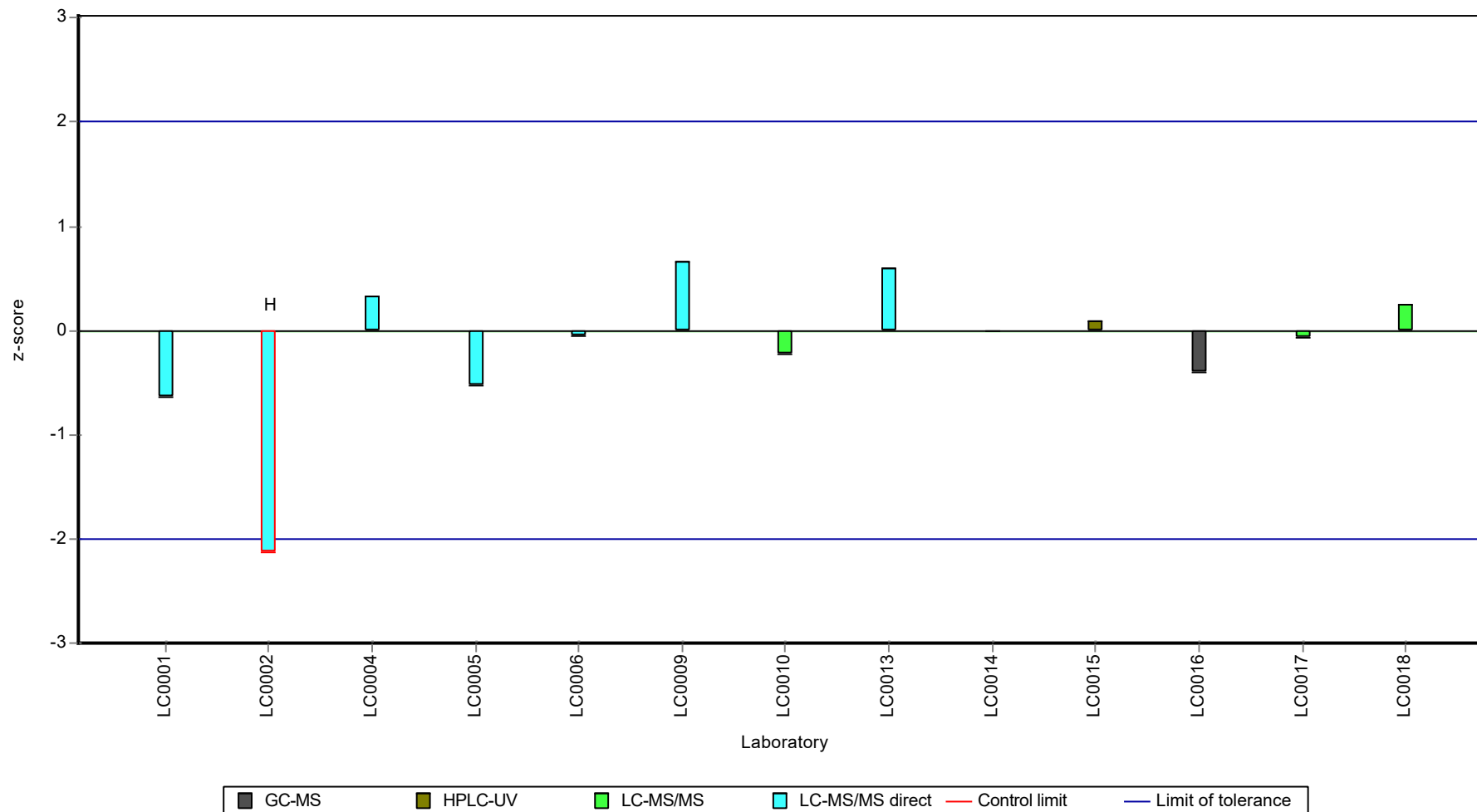
Results



Recovery rate



Z-score



Parameter oriented report

H107 B

Bentazone

Unit	µg/l
Assigned value ± U (k=2)	0.285 ± 0.0158
Criterion	0.0427 (15 %)
Minimum - Maximum	0.227 - 0.316
Control test value ± U (k=2)	0.276 ± 0.0415

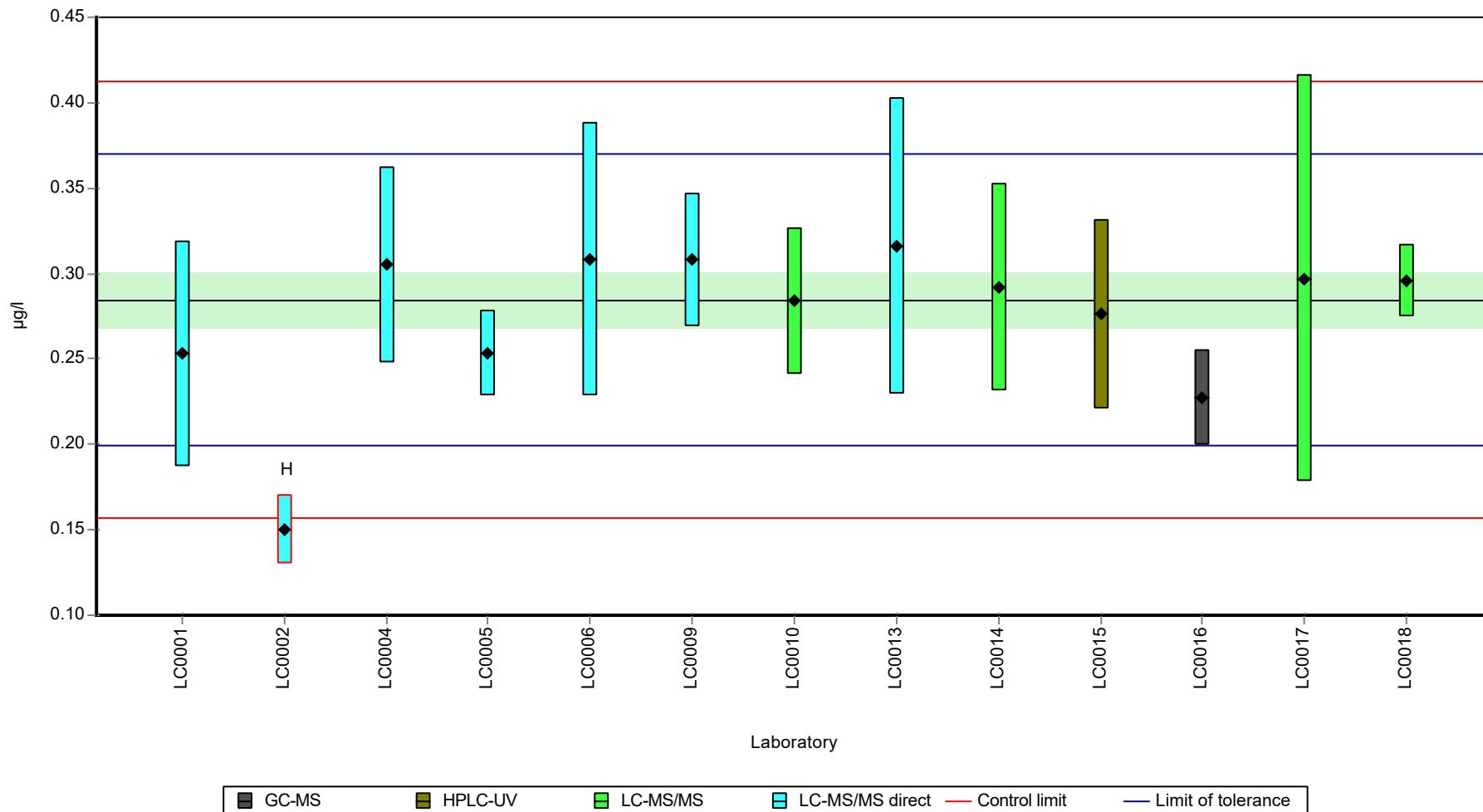
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.253	0.066	88.9	-0.74	
LC0002	0.15	0.02	52.7	-3.15	H
LC0003	-	-	-	-	
LC0004	0.305	0.057	107	0.48	
LC0005	0.253	0.025	88.9	-0.74	
LC0006	0.308	0.08	108	0.55	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	0.308	0.039	108	0.55	
LC0010	0.284	0.043	99.8	-0.01	
LC0011	-	-	-	-	
LC0012	-	-	-	-	
LC0013	0.316	0.087	111	0.74	
LC0014	0.292	0.061	103	0.17	
LC0015	0.276	0.055	97	-0.2	
LC0016	0.227	0.028	79.8	-1.35	
LC0017	0.297	0.119	104	0.29	
LC0018	0.296	0.021	104	0.27	

Characteristics of parameter

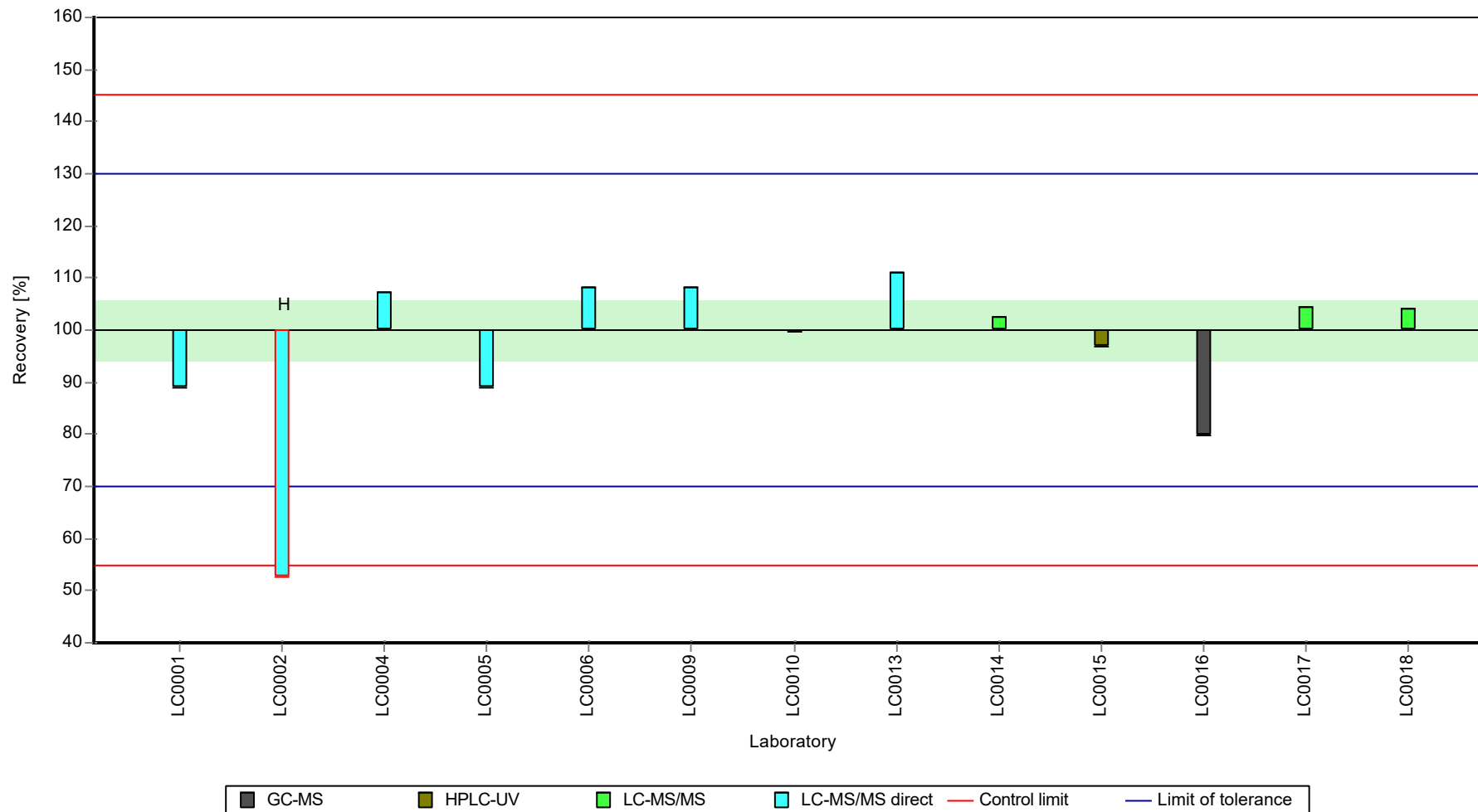
	all results	without outliers	Unit
Mean ± CI (99%)	0.274 ± 0.0379	0.285 ± 0.0237	µg/l
Minimum	0.15	0.227	µg/l
Maximum	0.316	0.316	µg/l
Standard deviation	0.0456	0.0273	µg/l
rel. standard deviation	16.6	9.61	%
n	13	12	-

Graphical presentation of results

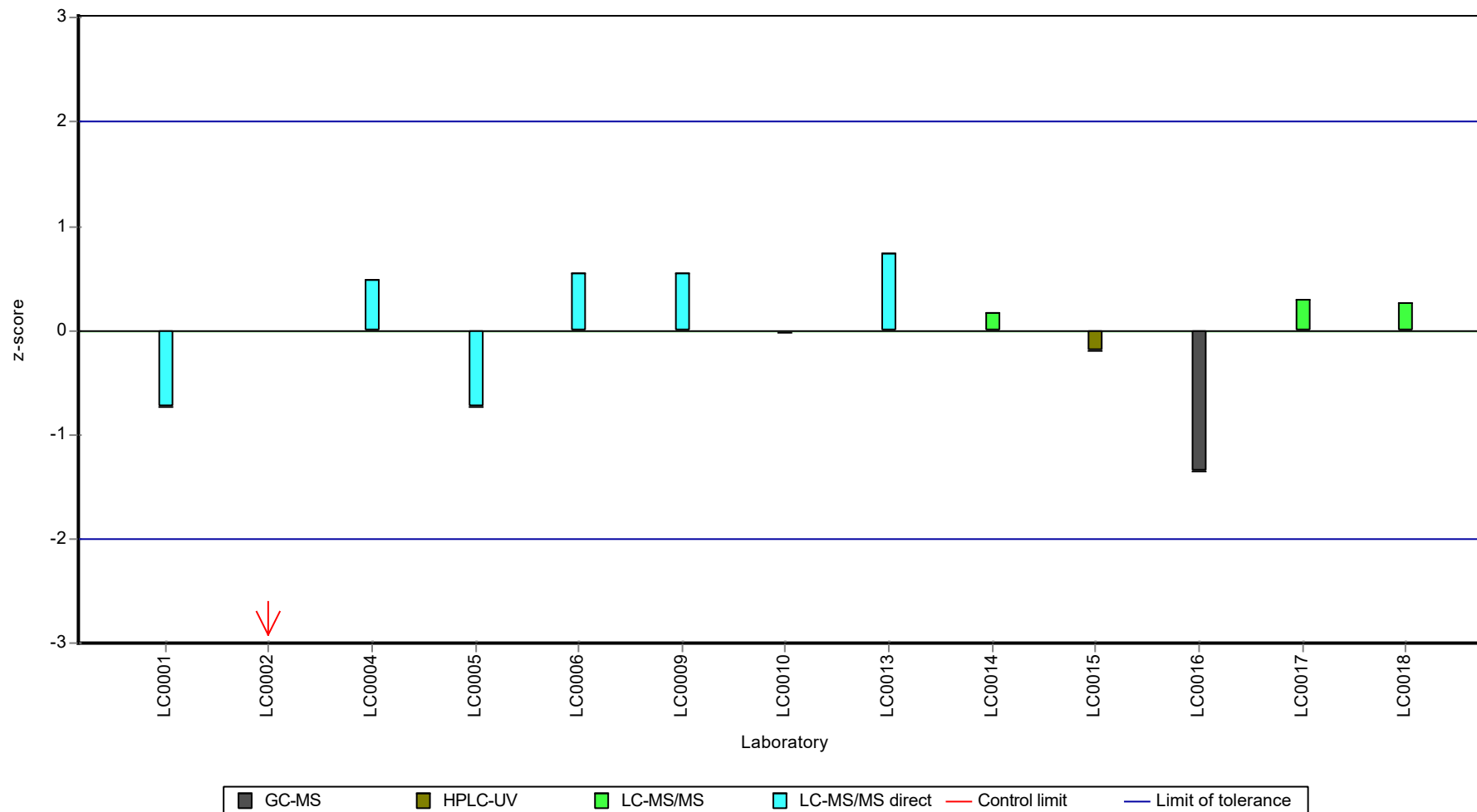
Results



Recovery rate



Z-score



Parameter oriented report

H107 A

Dicamba

Unit	µg/l
Assigned value ± U (k=2)	0.931 ± 0.051
Criterion	0.186 (20 %)
Minimum - Maximum	0.82 - 1.1
Control test value ± U (k=2)	0.723 ± 0.108

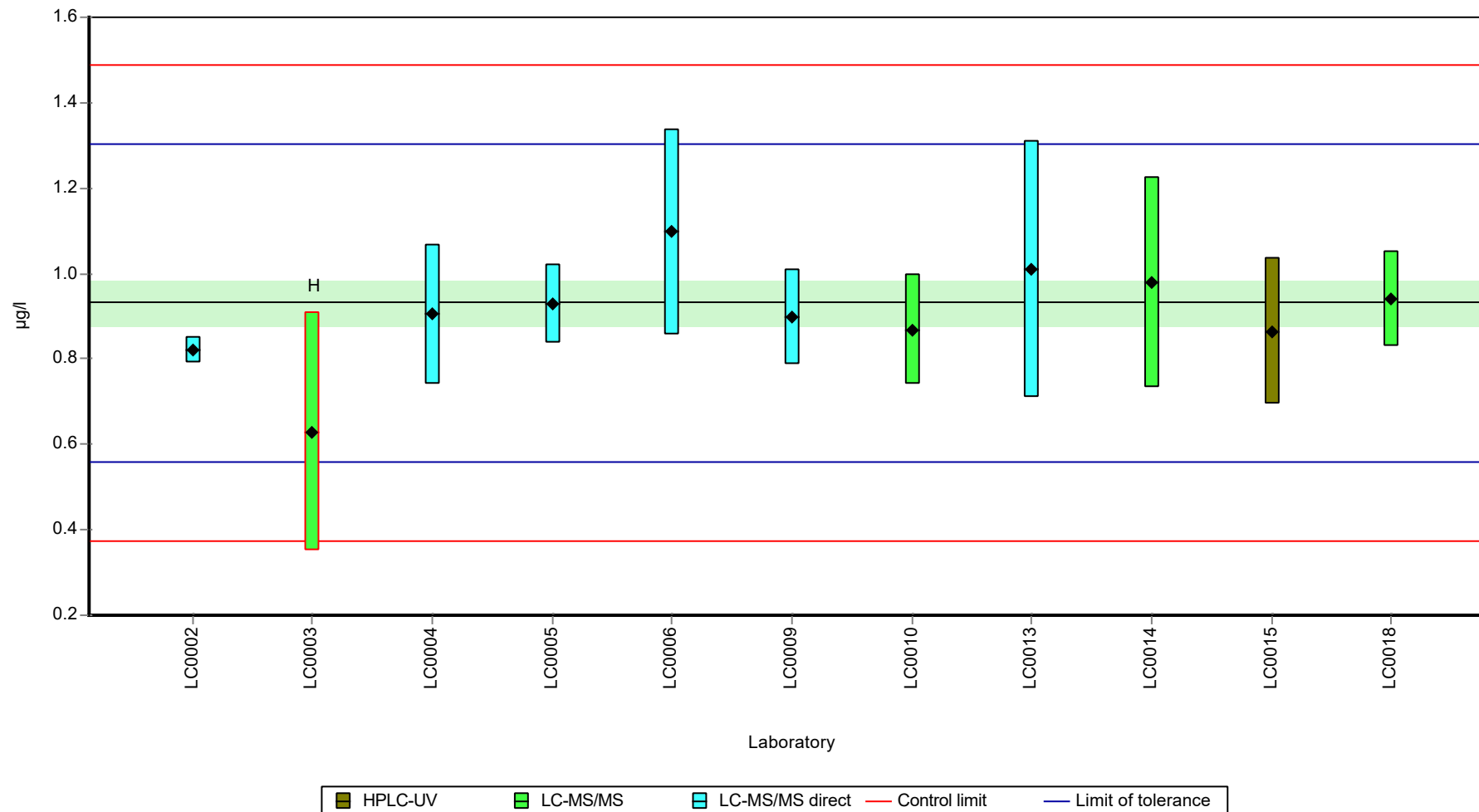
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	0.82	0.03	88.1	-0.6	
LC0003	0.63	0.28	67.7	-1.62	H
LC0004	0.905	0.164	97.2	-0.14	
LC0005	0.928	0.093	99.7	-0.02	
LC0006	1.097	0.241	118	0.89	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	0.897	0.112	96.3	-0.18	
LC0010	0.869	0.13	93.3	-0.33	
LC0011	-	-	-	-	
LC0012	-	-	-	-	
LC0013	1.01	0.3	108	0.42	
LC0014	0.979	0.245	105	0.26	
LC0015	0.865	0.173	92.9	-0.35	
LC0016	-	-	-	-	
LC0017	-	-	-	-	
LC0018	0.94	0.113	101	0.05	

Characteristics of parameter

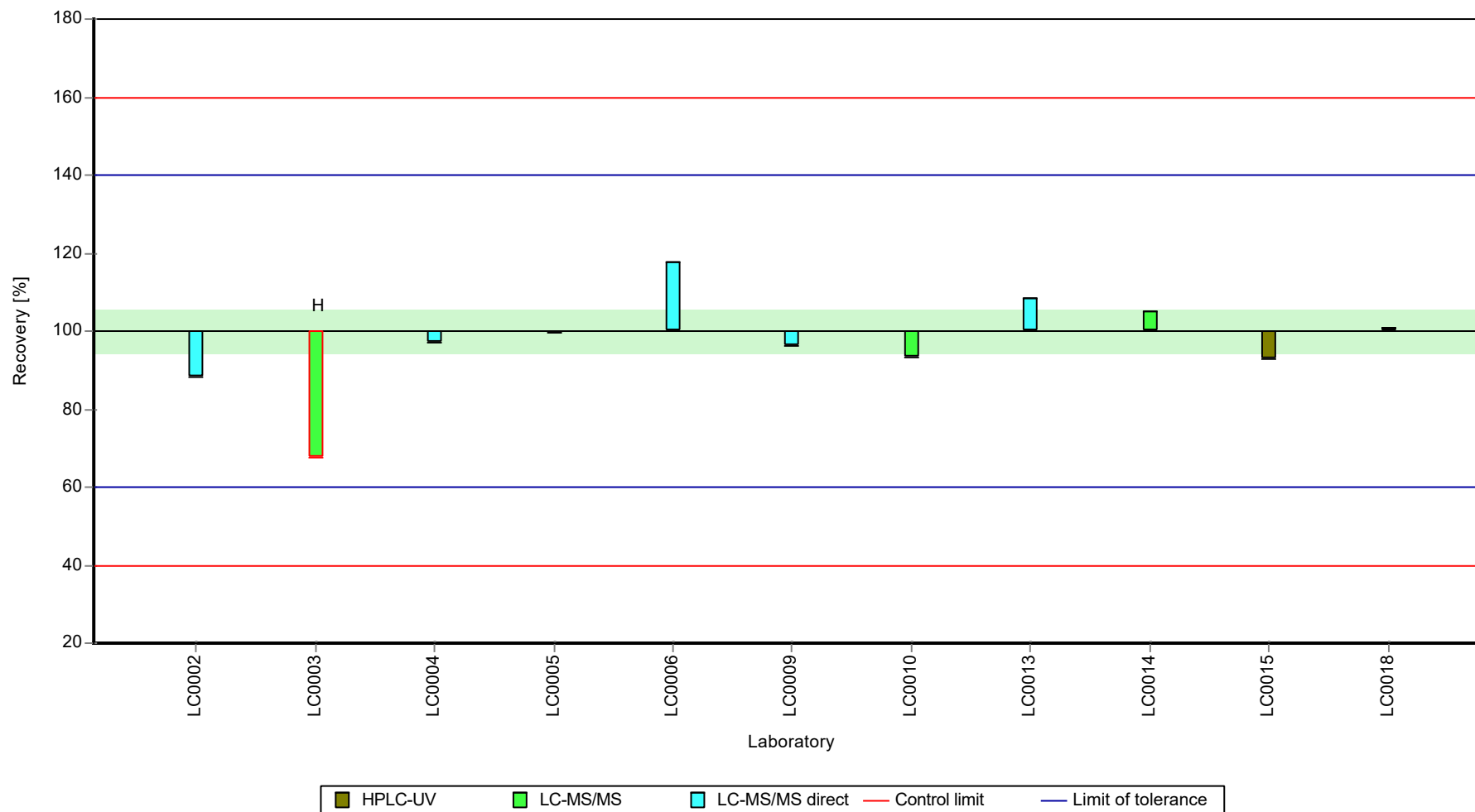
	all results	without outliers	Unit
Mean ± CI (99%)	0.904 ± 0.107	0.931 ± 0.0765	µg/l
Minimum	0.63	0.82	µg/l
Maximum	1.1	1.1	µg/l
Standard deviation	0.119	0.0807	µg/l
rel. standard deviation	13.1	8.66	%
n	11	10	-

Graphical presentation of results

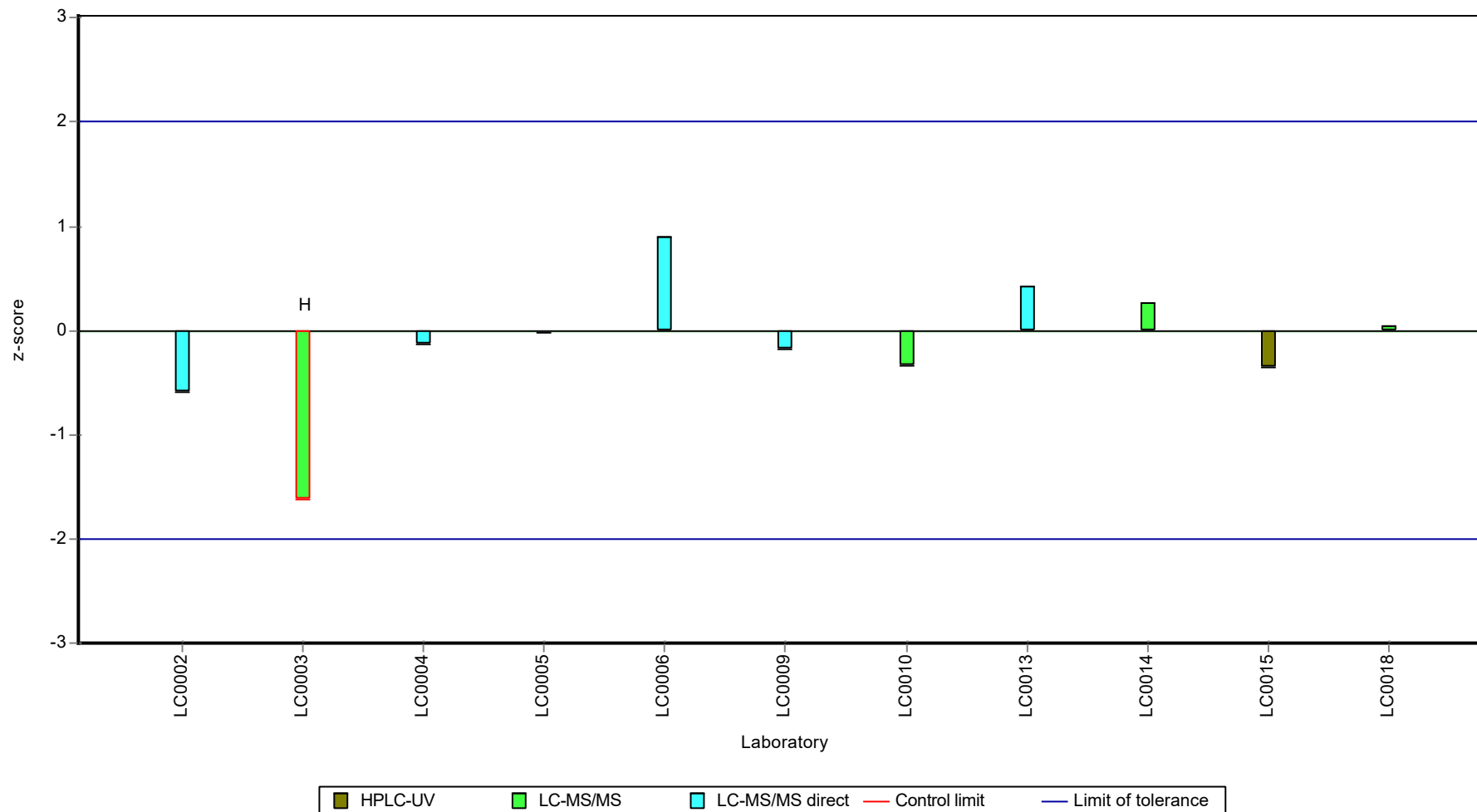
Results



Recovery rate



Z-score



Parameter oriented report

H107 B

Dicamba

Unit	µg/l
Assigned value ± U (k=2)	0.468 ± 0.0149
Criterion	0.0936 (20 %)
Minimum - Maximum	0.432 - 0.508
Control test value ± U (k=2)	0.490 ± 0.0736

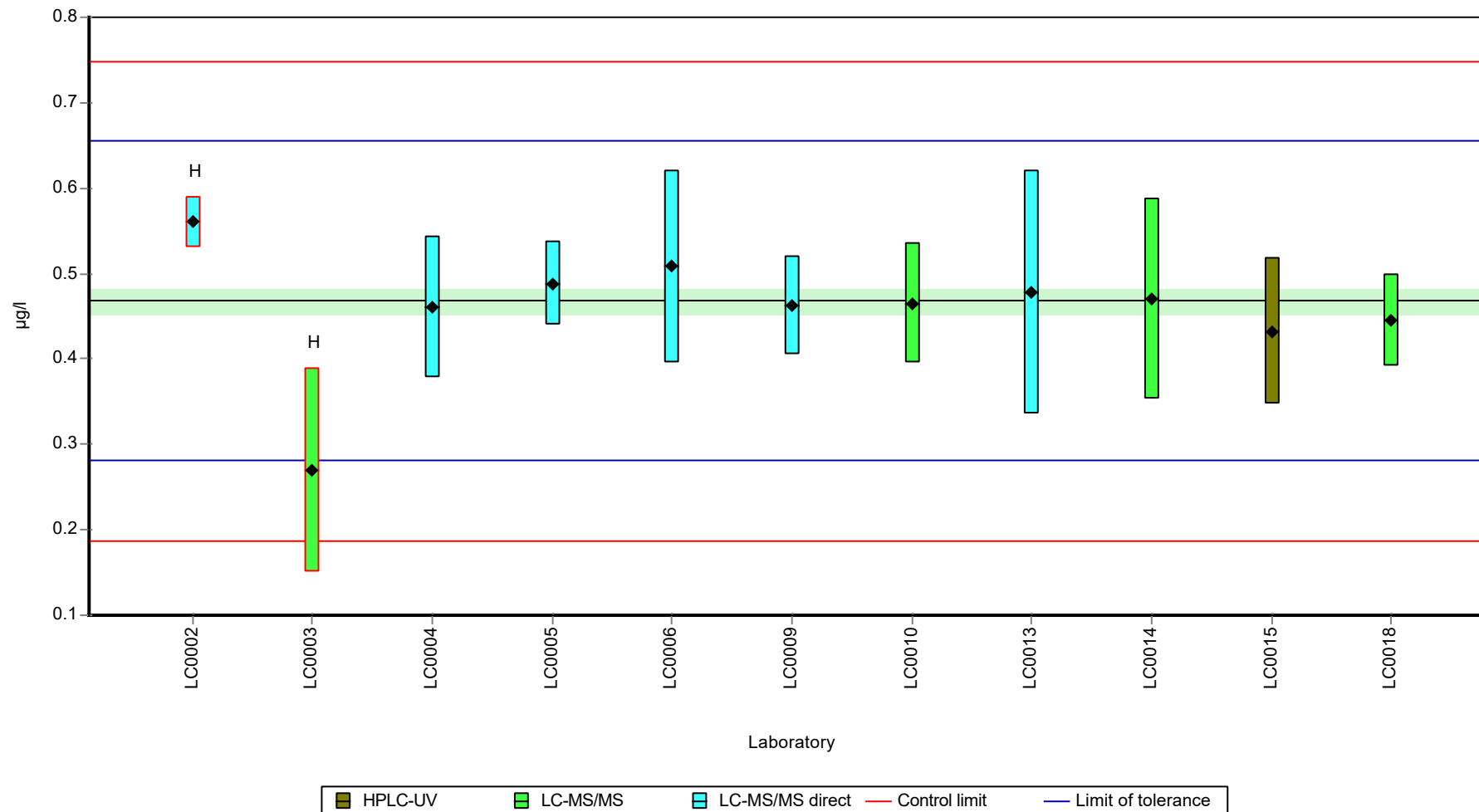
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	0.56	0.03	120	0.99	H
LC0003	0.27	0.12	57.7	-2.11	H
LC0004	0.46	0.083	98.3	-0.08	
LC0005	0.488	0.049	104	0.22	
LC0006	0.508	0.112	109	0.43	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	0.463	0.058	99	-0.05	
LC0010	0.465	0.07	99.4	-0.03	
LC0011	-	-	-	-	
LC0012	-	-	-	-	
LC0013	0.478	0.143	102	0.11	
LC0014	0.47	0.118	100	0.02	
LC0015	0.432	0.086	92.4	-0.38	
LC0016	-	-	-	-	
LC0017	-	-	-	-	
LC0018	0.446	0.054	95.3	-0.23	

Characteristics of parameter

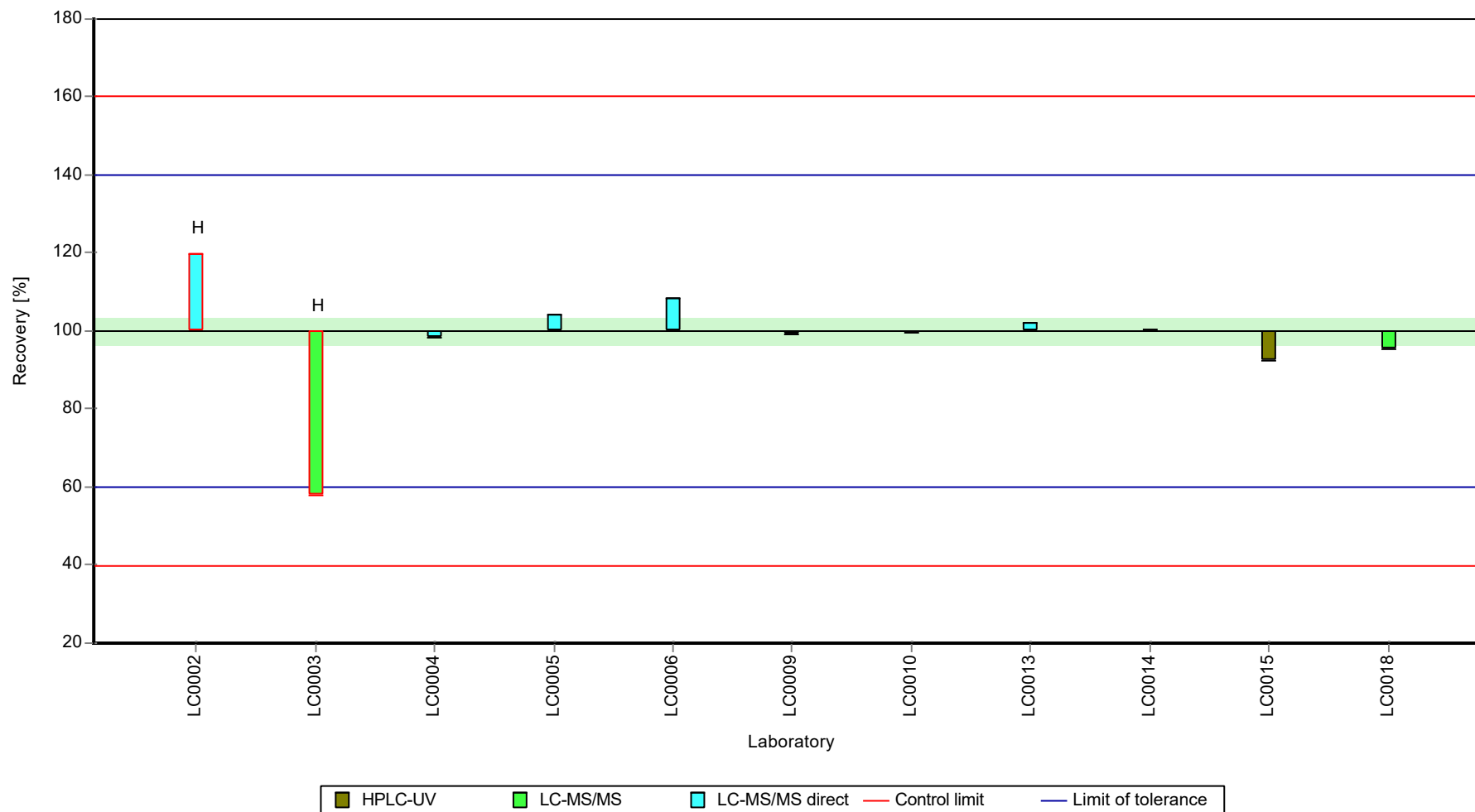
	all results	without outliers	Unit
Mean ± CI (99%)	0.458 ± 0.0643	0.468 ± 0.0223	µg/l
Minimum	0.27	0.432	µg/l
Maximum	0.56	0.508	µg/l
Standard deviation	0.0711	0.0223	µg/l
rel. standard deviation	15.5	4.77	%
n	11	9	-

Graphical presentation of results

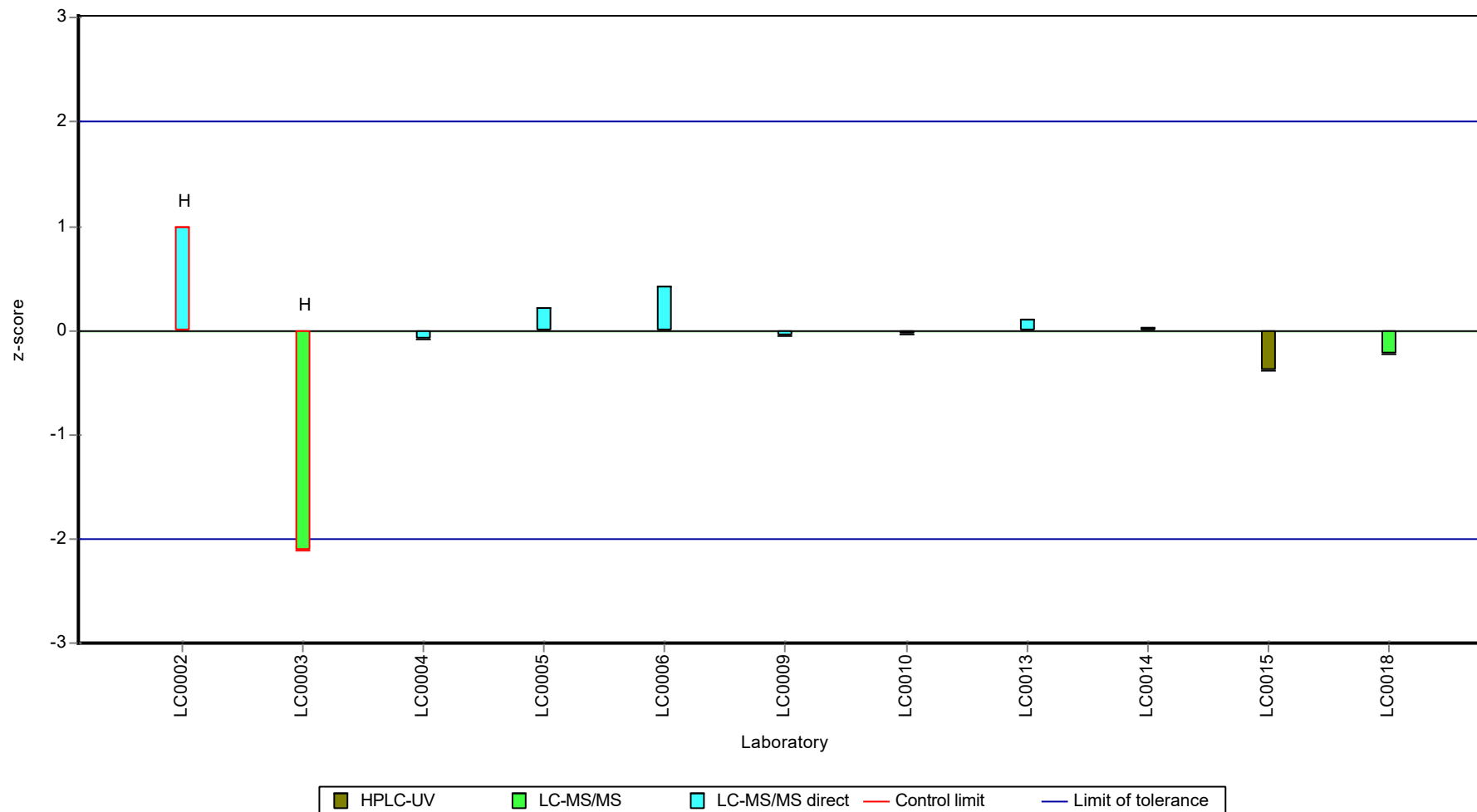
Results



Recovery rate



Z-score



Parameter oriented report

H107 A

Dichlorprop

Unit	µg/l
Assigned value ± U (k=2)	0.569 ± 0.0236
Criterion	0.0683 (12 %)
Minimum - Maximum	0.48 - 0.622
Control test value ± U (k=2)	0.562 ± 0.0843

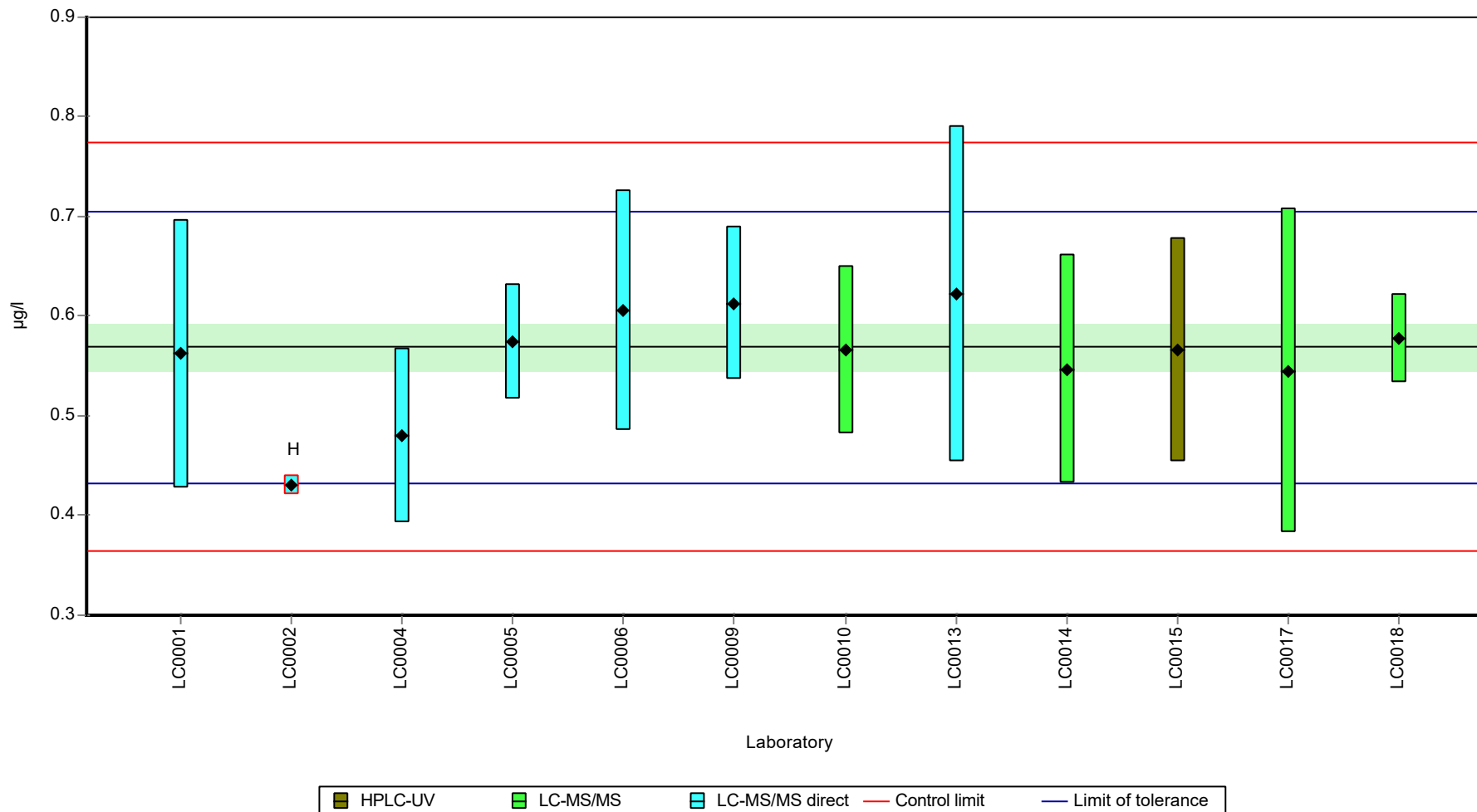
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.562	0.135	98.8	-0.1	
LC0002	0.43	0.01	75.6	-2.04	H
LC0003	-	-	-	-	
LC0004	0.48	0.088	84.3	-1.3	
LC0005	0.575	0.058	101	0.09	
LC0006	0.606	0.121	106	0.54	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	0.613	0.077	108	0.64	
LC0010	0.566	0.085	99.5	-0.05	
LC0011	-	-	-	-	
LC0012	-	-	-	-	
LC0013	0.622	0.169	109	0.78	
LC0014	0.547	0.115	96.1	-0.32	
LC0015	0.566	0.113	99.5	-0.05	
LC0016	-	-	-	-	
LC0017	0.545	0.163	95.8	-0.35	
LC0018	0.578	0.045	102	0.13	

Characteristics of parameter

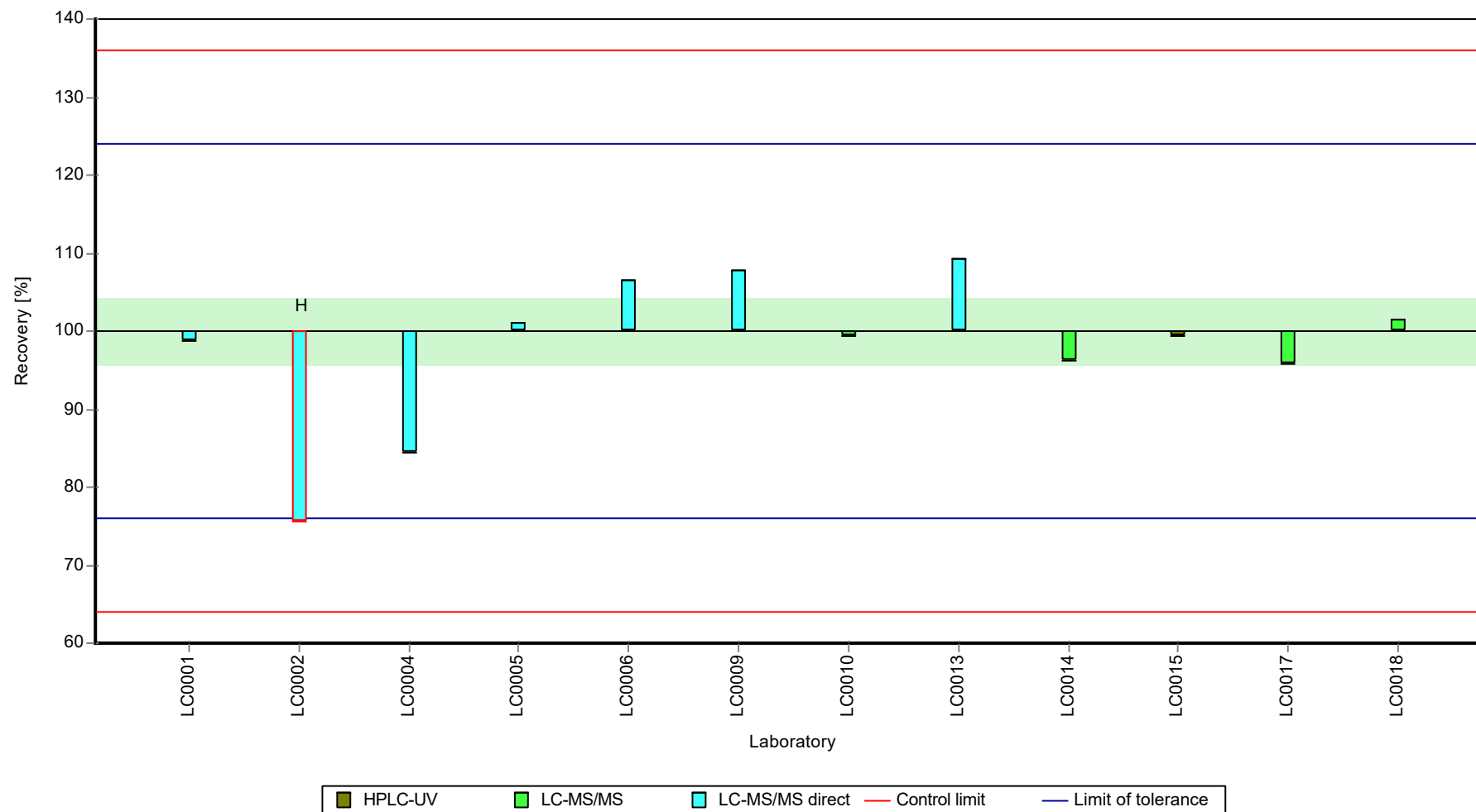
	all results	without outliers	Unit
Mean ± CI (99%)	0.557 ± 0.0474	0.569 ± 0.0354	µg/l
Minimum	0.43	0.48	µg/l
Maximum	0.622	0.622	µg/l
Standard deviation	0.0548	0.0391	µg/l
rel. standard deviation	9.83	6.87	%
n	12	11	-

Graphical presentation of results

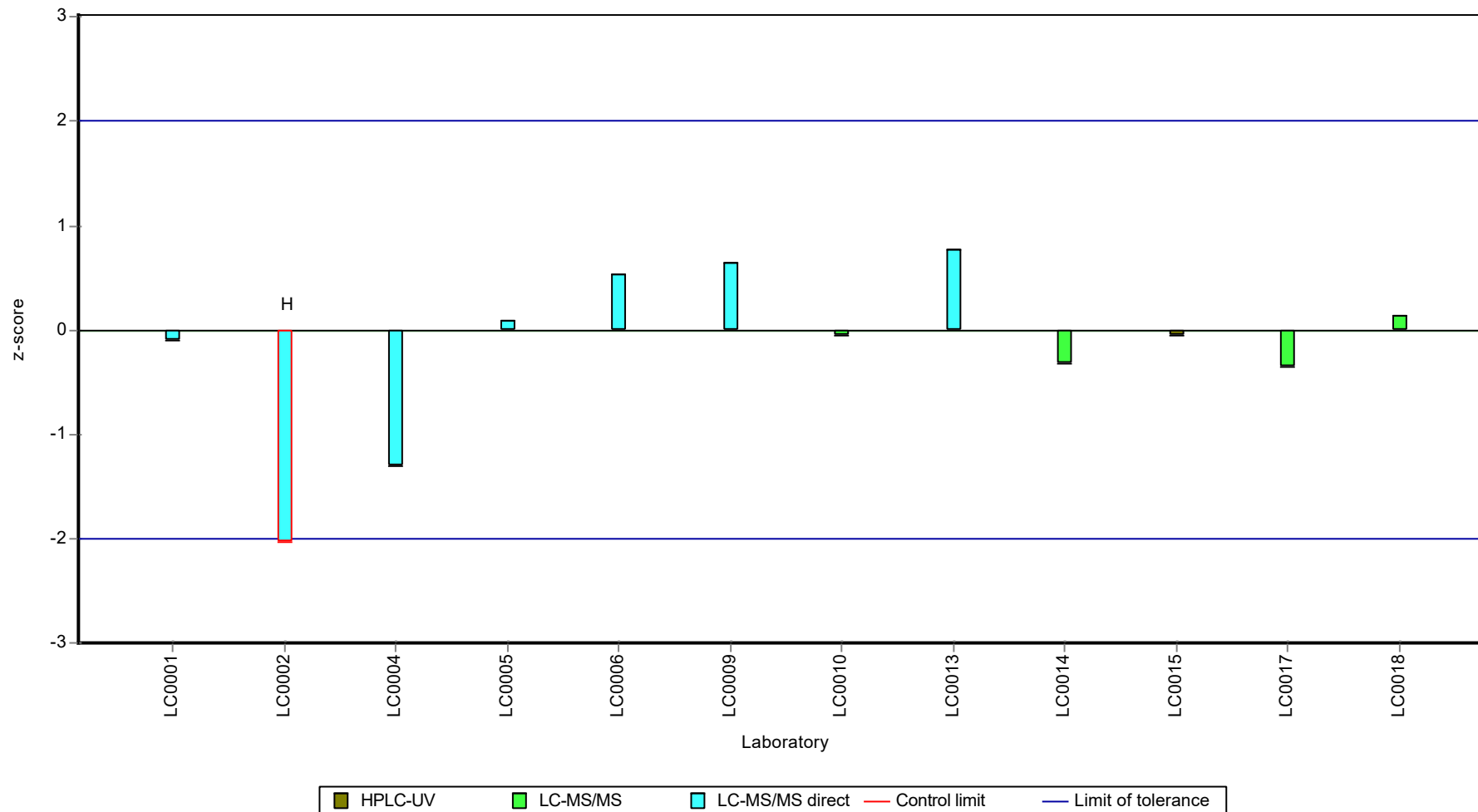
Results



Recovery rate



Z-score



Parameter oriented report

H107 B

Dichlorprop

Unit	µg/l
Assigned value ± U (k=2)	0.223 ± 0.00566
Criterion	0.0267 (12 %)
Minimum - Maximum	0.212 - 0.238
Control test value ± U (k=2)	0.230 ± 0.0344

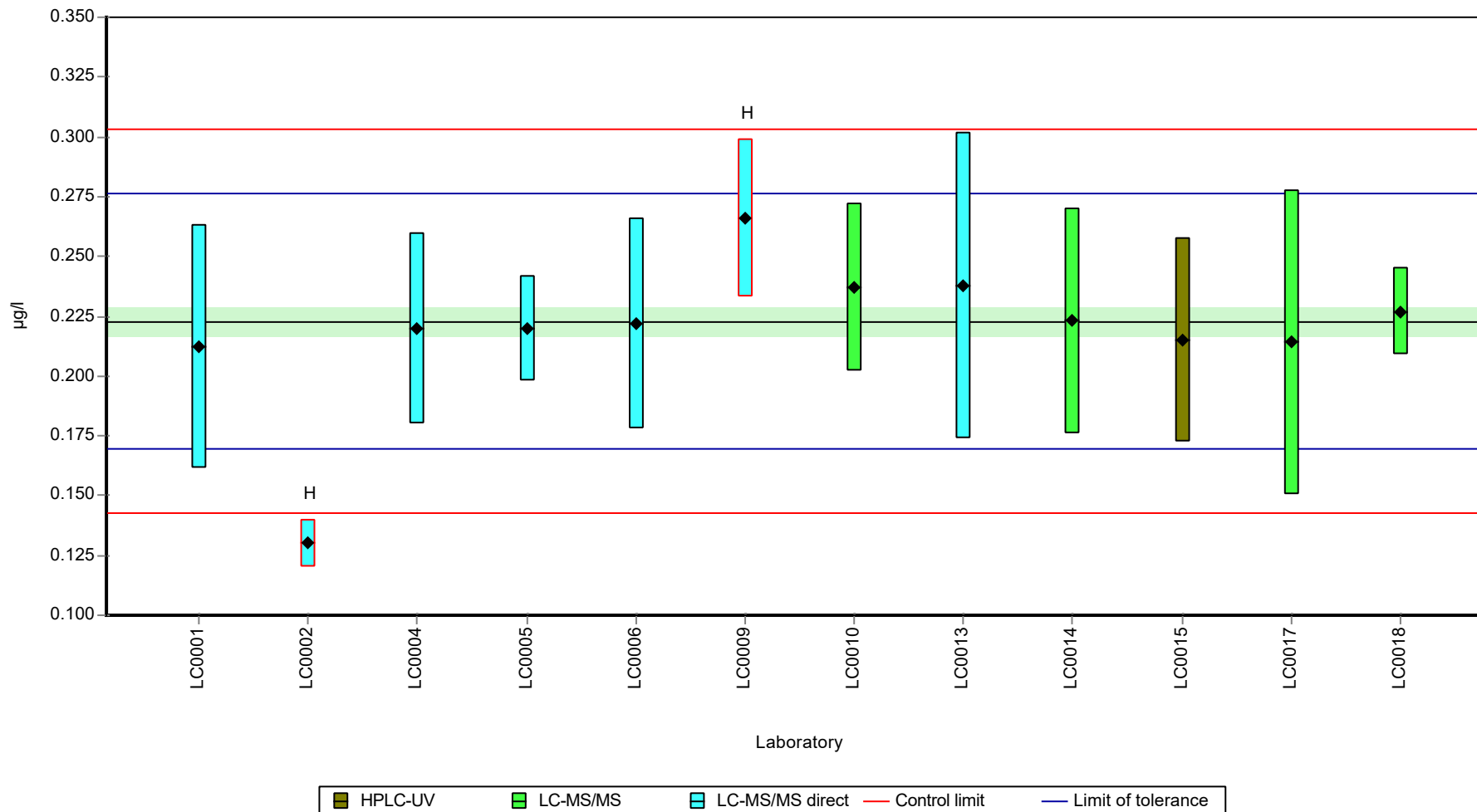
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.212	0.051	95.2	-0.4	
LC0002	0.13	0.01	58.3	-3.47	H
LC0003	-	-	-	-	
LC0004	0.22	0.04	98.7	-0.1	
LC0005	0.22	0.022	98.7	-0.1	
LC0006	0.222	0.044	99.6	-0.03	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	0.266	0.033	119	1.62	H
LC0010	0.237	0.035	106	0.53	
LC0011	-	-	-	-	
LC0012	-	-	-	-	
LC0013	0.238	0.064	107	0.57	
LC0014	0.223	0.047	100	0.01	
LC0015	0.215	0.043	96.5	-0.29	
LC0016	-	-	-	-	
LC0017	0.214	0.064	96.1	-0.33	
LC0018	0.227	0.018	102	0.16	

Characteristics of parameter

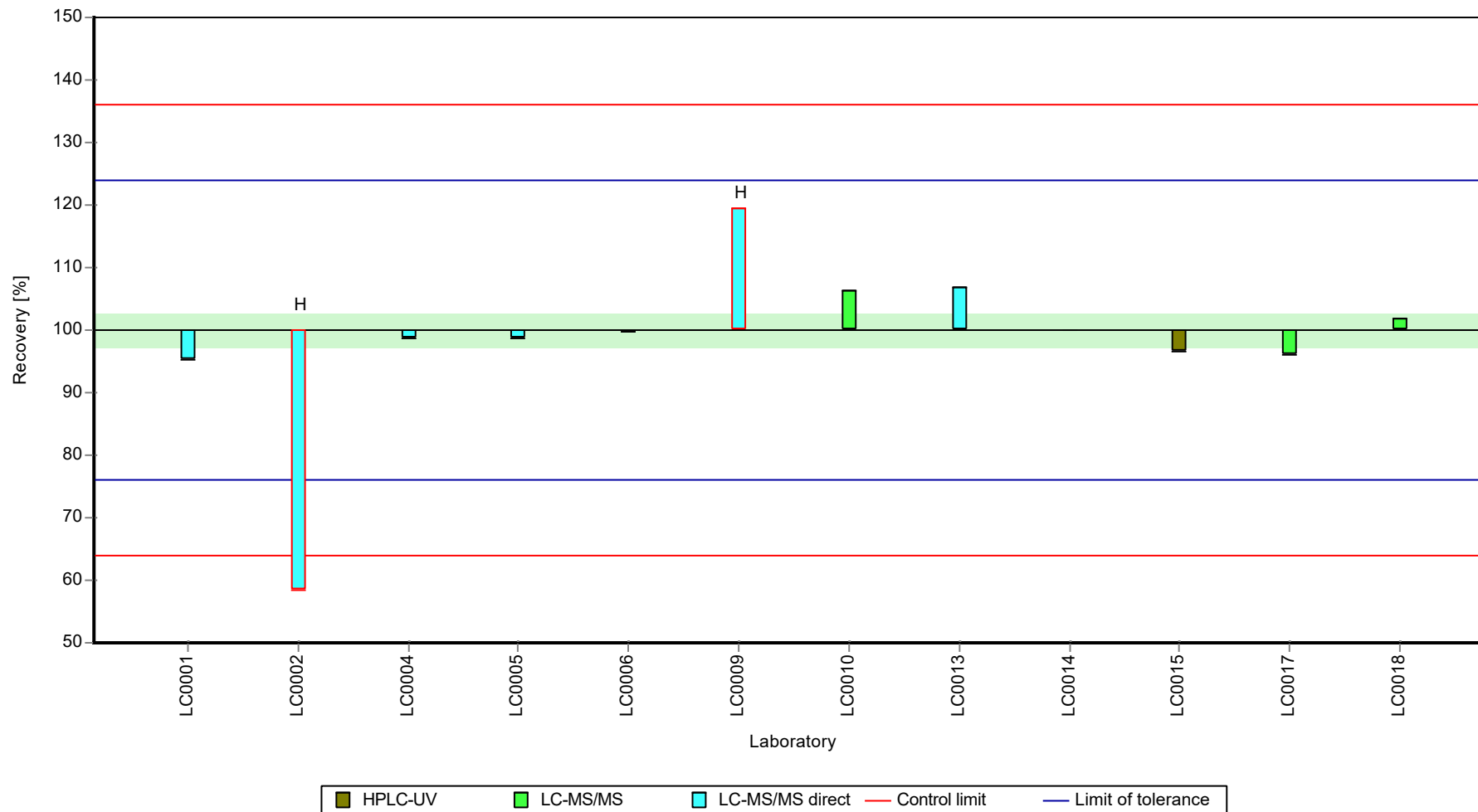
	all results	without outliers	Unit
Mean ± CI (99%)	0.219 ± 0.0274	0.223 ± 0.00849	µg/l
Minimum	0.13	0.212	µg/l
Maximum	0.266	0.238	µg/l
Standard deviation	0.0316	0.00895	µg/l
rel. standard deviation	14.5	4.02	%
n	12	10	-

Graphical presentation of results

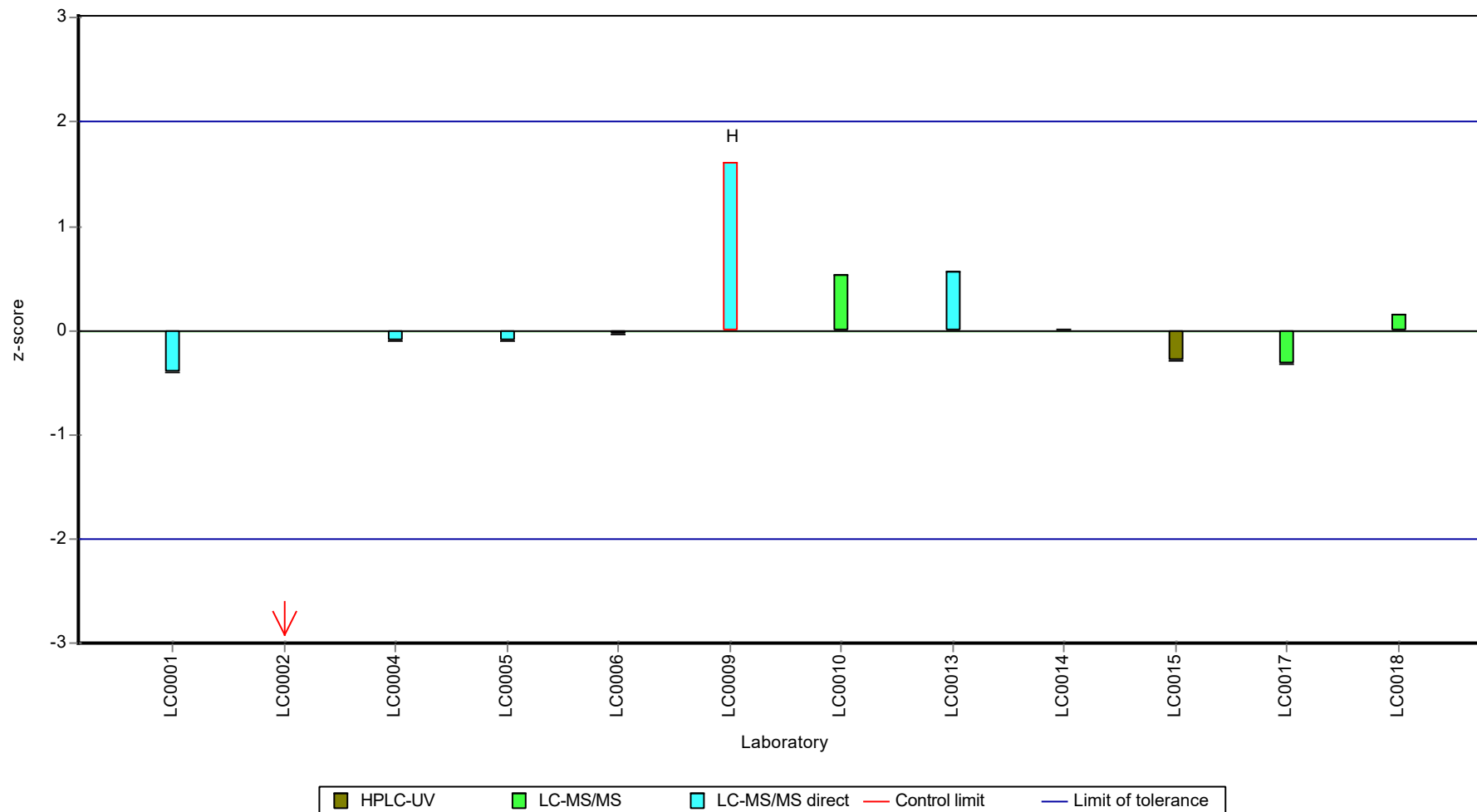
Results



Recovery rate



Z-score



Parameter oriented report

H107 A

Glufosinate

Unit	µg/l
Assigned value ± U (k=2)	-
Criterion	-
Minimum - Maximum	0.21 - 0.53
Control test value ± U (k=2)	0.267 ± 0.0667

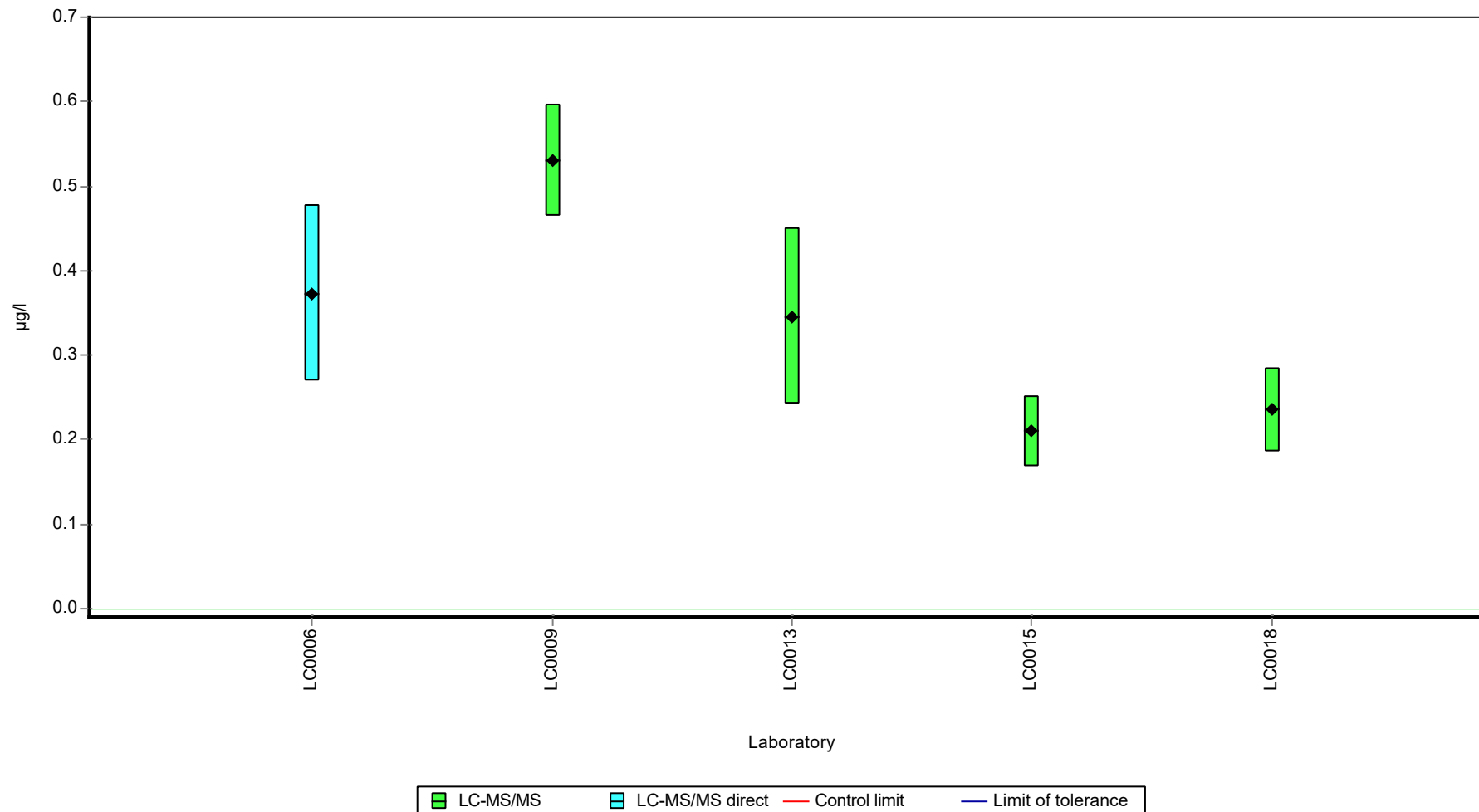
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	-	-	-	-	
LC0006	0.373	0.104	-	-	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	0.53	0.066	-	-	
LC0010	-	-	-	-	
LC0011	-	-	-	-	
LC0012	-	-	-	-	
LC0013	0.346	0.104	-	-	
LC0014	-	-	-	-	
LC0015	0.21	0.042	-	-	
LC0016	-	-	-	-	
LC0017	-	-	-	-	
LC0018	0.235	0.049	-	-	

Characteristics of parameter

	all results	without outliers	Unit
Mean ± CI (99%)	0.339 ± 0.171	-	µg/l
Minimum	0.21	0.21	µg/l
Maximum	0.53	0.53	µg/l
Standard deviation	0.128	-	µg/l
rel. standard deviation	37.7	-	%
n	5	5	-

Graphical presentation of results

Results



Parameter oriented report

H107 B

Glufosinate

Unit	µg/l
Assigned value ± U (k=2)	-
Criterion	-
Minimum - Maximum	0.045 - 0.15
Control test value ± U (k=2)	< 0.06 (LOQ)

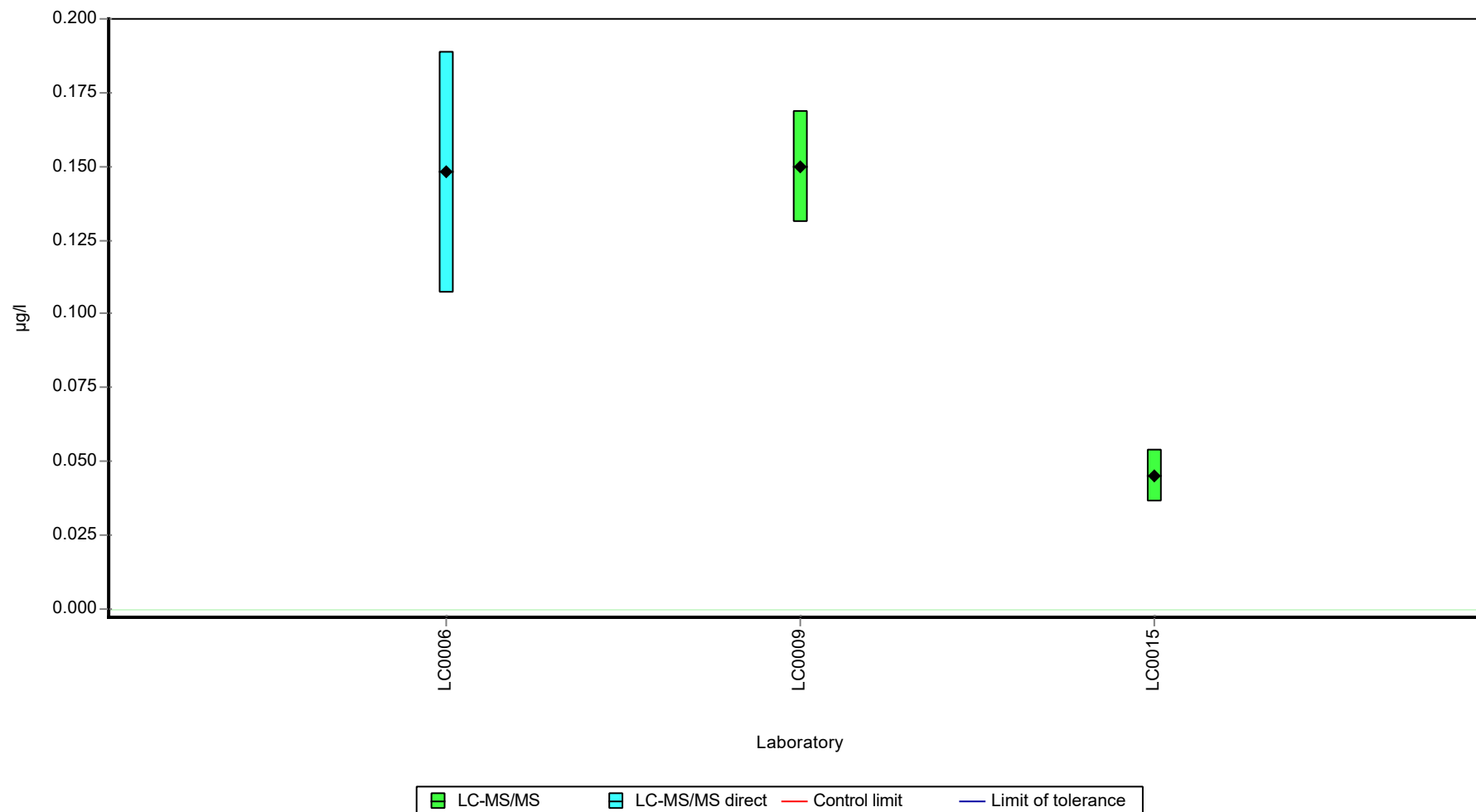
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	-	-	-	-	
LC0006	0.148	0.041	-	-	FP
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	0.15	0.019	-	-	FP
LC0010	-	-	-	-	
LC0011	-	-	-	-	
LC0012	-	-	-	-	
LC0013	< 0.05 (LOQ)	-	-	-	
LC0014	-	-	-	-	
LC0015	0.045	0.009	-	-	
LC0016	-	-	-	-	
LC0017	-	-	-	-	
LC0018	< 0.05 (LOQ)	-	-	-	

Characteristics of parameter

	all results	without outliers	Unit
Mean ± CI (99%)	0.114 ± 0.104	-	µg/l
Minimum	0.045	0.045	µg/l
Maximum	0.15	0.15	µg/l
Standard deviation	0.0601	-	µg/l
rel. standard deviation	52.5	-	%
n	3	3	-

Graphical presentation of results

Results



Parameter oriented report

H107 A

Glyphosate

Unit	µg/l
Assigned value ± U (k=2)	-
Criterion	-
Minimum - Maximum	-
Control test value ± U (k=2)	< 0.03 (LOD)

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	< 0.1 (LOQ)	-	-	-	
LC0003	< 0.05 (LOQ)	-	-	-	
LC0004	-	-	-	-	
LC0005	-	-	-	-	
LC0006	< 0.005 (LOQ)	-	-	-	
LC0007	< 0.01 (LOQ)	-	-	-	
LC0008	< 0.03 (LOQ)	-	-	-	
LC0009	< 0.05 (LOQ)	-	-	-	
LC0010	-	-	-	-	
LC0011	-	-	-	-	
LC0012	< 0.1 (LOQ)	-	-	-	
LC0013	< 0.05 (LOQ)	-	-	-	
LC0014	-	-	-	-	
LC0015	< 0.02 (LOQ)	-	-	-	
LC0016	-	-	-	-	
LC0017	-	-	-	-	
LC0018	< 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	-

Parameter oriented report

H107 B

Glyphosate

Unit	µg/l
Assigned value ± U (k=2)	0.247 ± 0.0123
Criterion	0.0495 (20 %)
Minimum - Maximum	0.221 - 0.288
Control test value ± U (k=2)	0.232 ± 0.058

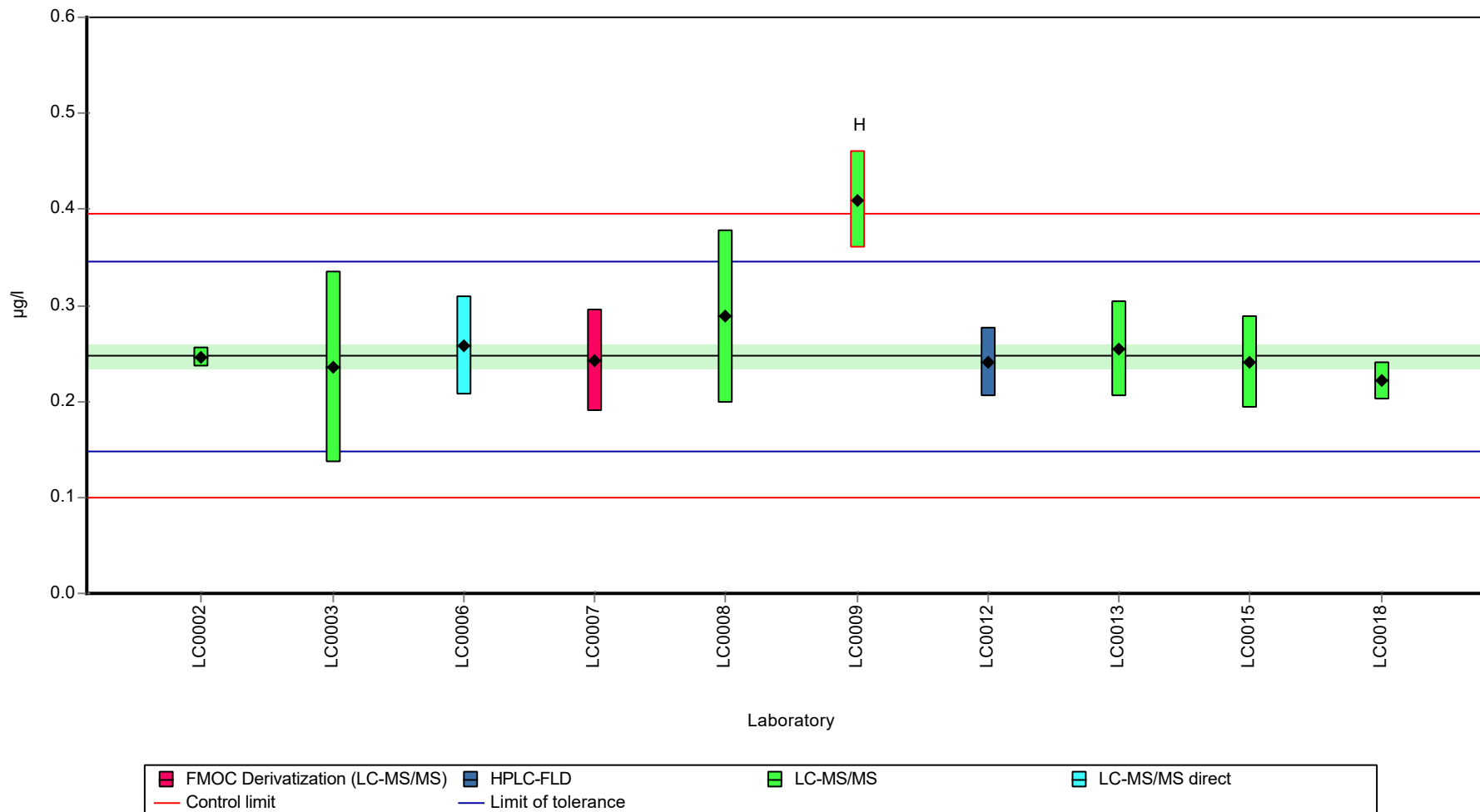
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	0.246	0.011	99.4	-0.03	
LC0003	0.236	0.1	95.4	-0.23	
LC0004	-	-	-	-	
LC0005	-	-	-	-	
LC0006	0.258	0.052	104	0.21	
LC0007	0.242	0.053	97.8	-0.11	
LC0008	0.288	0.09	116	0.82	
LC0009	0.41	0.051	166	3.28	H
LC0010	-	-	-	-	
LC0011	-	-	-	-	
LC0012	0.24096	0.036	97.4	-0.13	
LC0013	0.254	0.05	103	0.13	
LC0014	-	-	-	-	
LC0015	0.241	0.048	97.4	-0.13	
LC0016	-	-	-	-	
LC0017	-	-	-	-	
LC0018	0.221	0.019	89.3	-0.53	

Characteristics of parameter

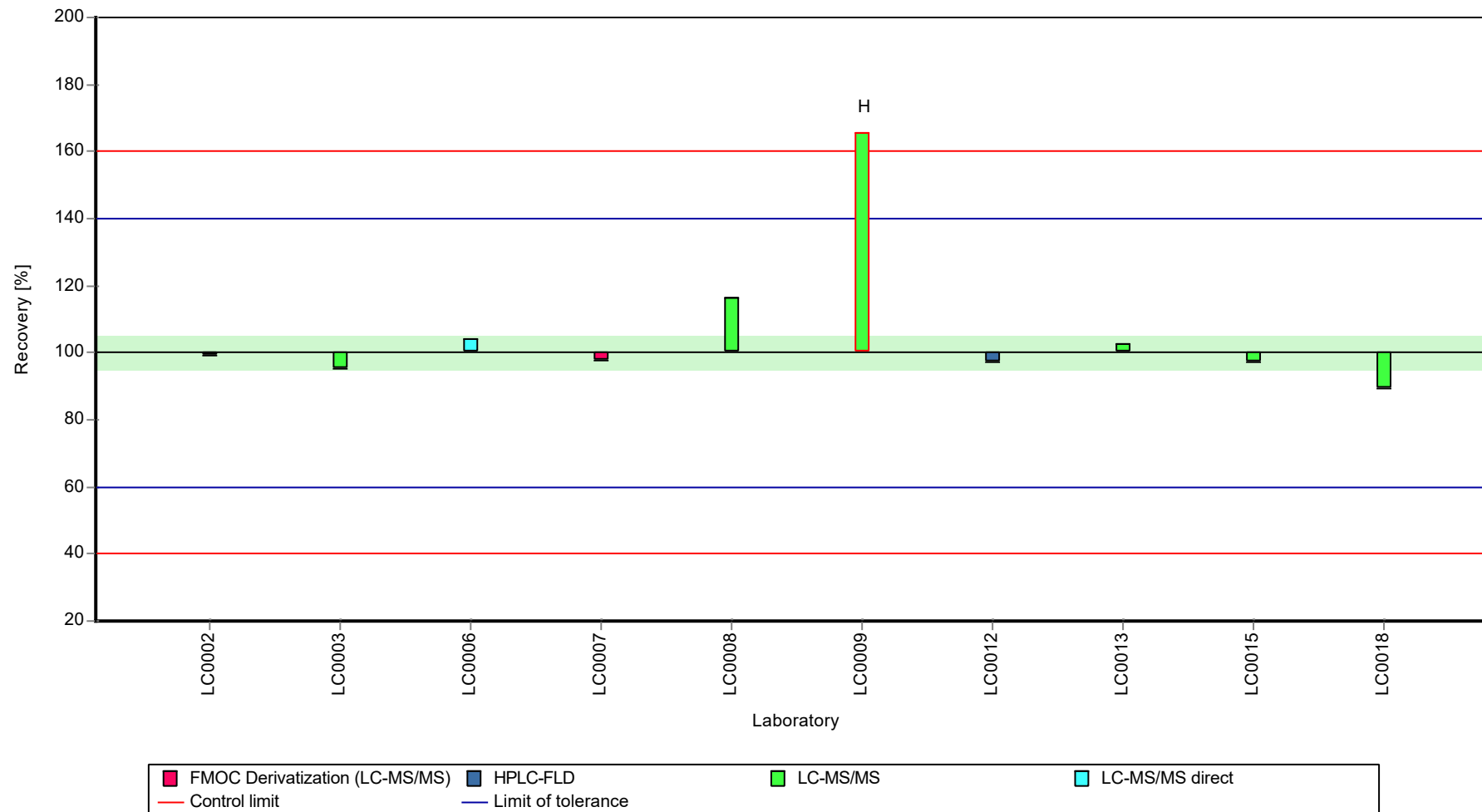
	all results	without outliers	Unit
Mean ± CI (99%)	0.264 ± 0.0515	0.247 ± 0.0185	µg/l
Minimum	0.221	0.221	µg/l
Maximum	0.41	0.288	µg/l
Standard deviation	0.0543	0.0185	µg/l
rel. standard deviation	20.6	7.49	%
n	10	9	-

Graphical presentation of results

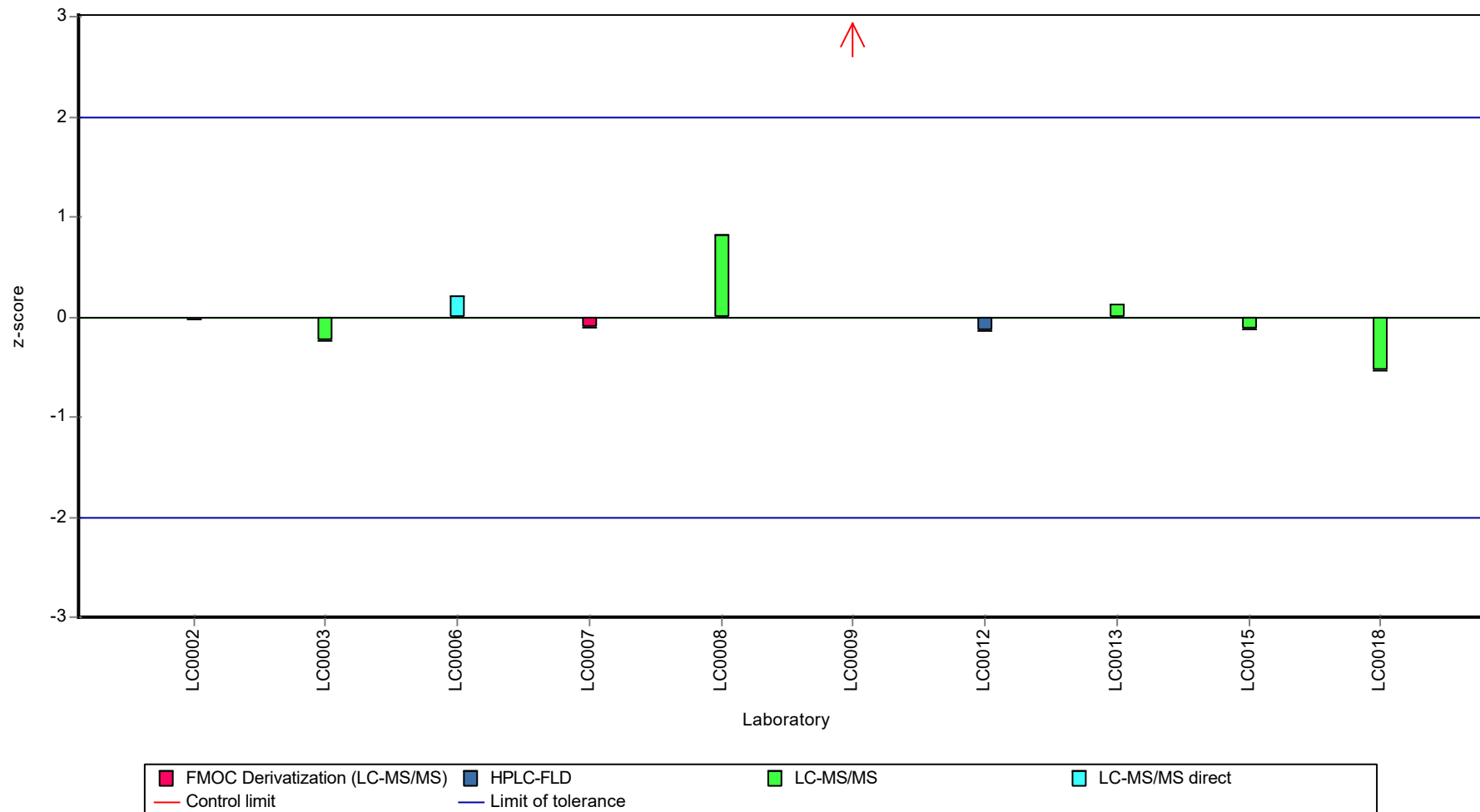
Results



Recovery rate



Z-score



Parameter oriented report

H107 A

MCPP (Mecoprop)

Unit	µg/l
Assigned value ± U (k=2)	0.309 ± 0.012
Criterion	0.0402 (13 %)
Minimum - Maximum	0.286 - 0.356
Control test value ± U (k=2)	0.477 ± 0.0716

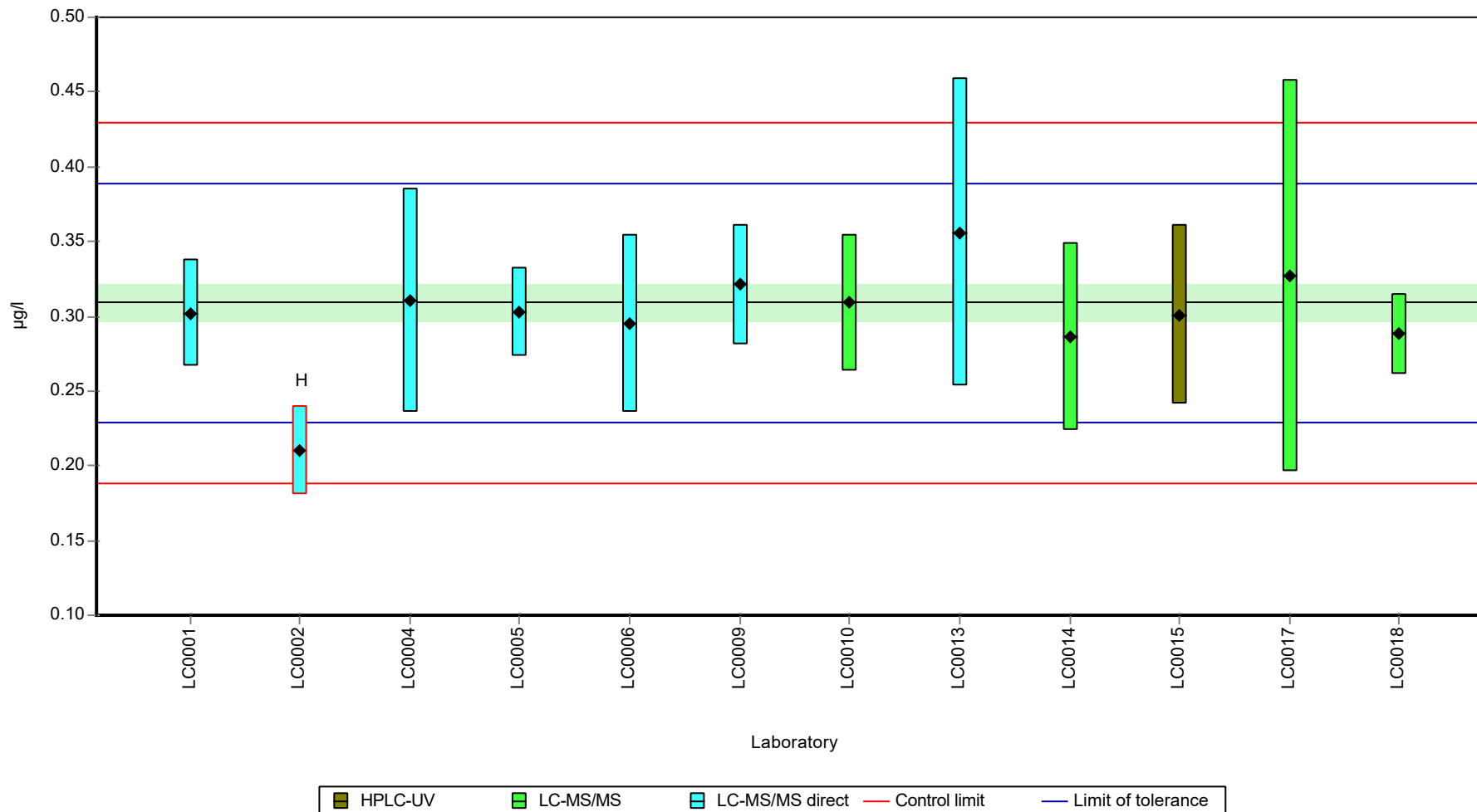
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.302	0.036	97.8	-0.17	
LC0002	0.21	0.03	68	-2.46	H
LC0003	-	-	-	-	
LC0004	0.31	0.075	100	0.03	
LC0005	0.303	0.03	98.1	-0.15	
LC0006	0.295	0.059	95.5	-0.35	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	0.321	0.04	104	0.3	
LC0010	0.309	0.046	100	0.00	
LC0011	-	-	-	-	
LC0012	-	-	-	-	
LC0013	0.356	0.103	115	1.17	
LC0014	0.286	0.063	92.6	-0.57	
LC0015	0.301	0.06	97.4	-0.2	
LC0016	-	-	-	-	
LC0017	0.327	0.131	106	0.45	
LC0018	0.288	0.027	93.2	-0.52	

Characteristics of parameter

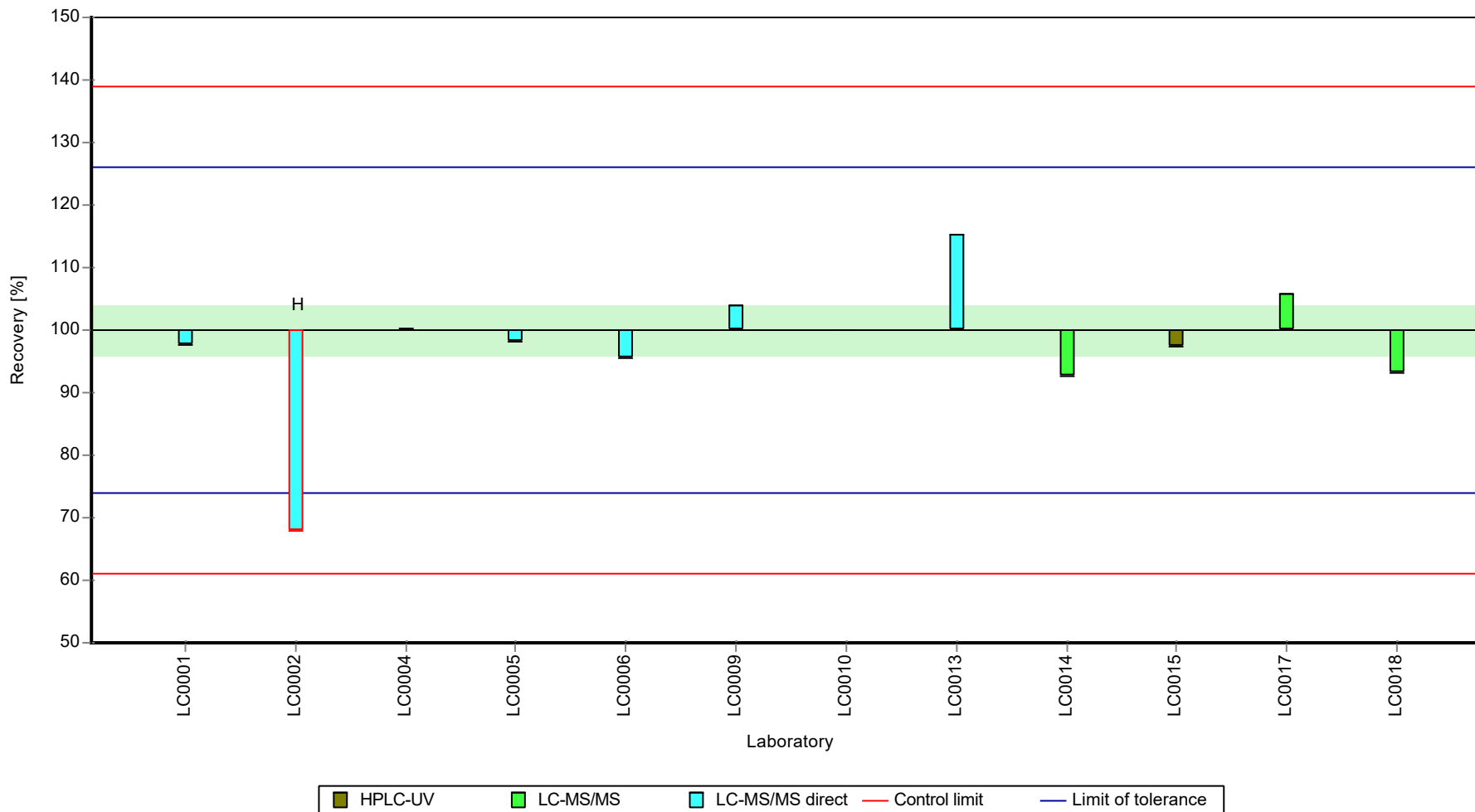
	all results	without outliers	Unit
Mean ± CI (99%)	0.301 ± 0.0297	0.309 ± 0.0181	µg/l
Minimum	0.21	0.286	µg/l
Maximum	0.356	0.356	µg/l
Standard deviation	0.0343	0.02	µg/l
rel. standard deviation	11.4	6.47	%
n	12	11	-

Graphical presentation of results

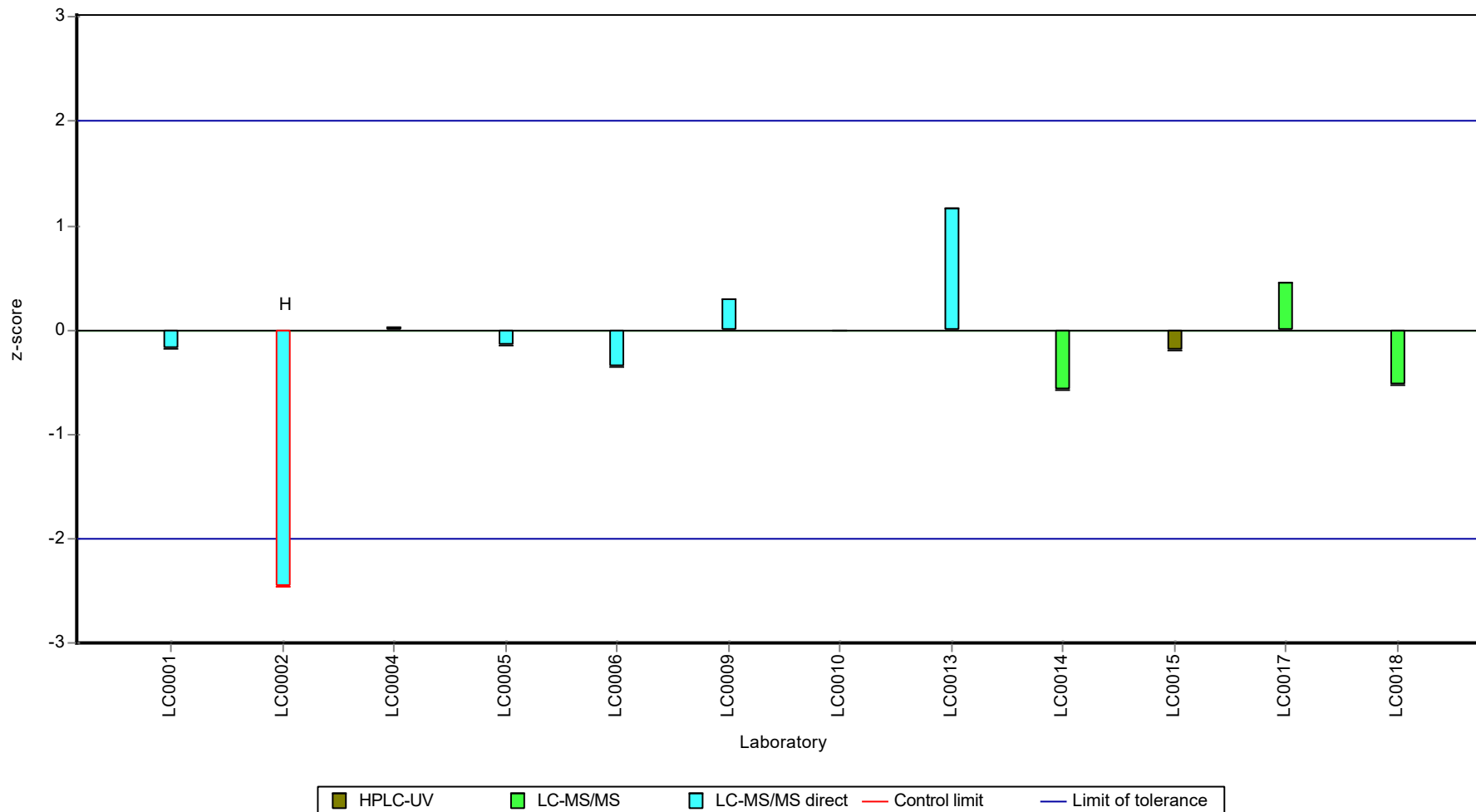
Results



Recovery rate



Z-score



Parameter oriented report

H107 B

MCPP (Mecoprop)

Unit	µg/l
Assigned value ± U (k=2)	0.322 ± 0.017
Criterion	0.0419 (13 %)
Minimum - Maximum	0.289 - 0.371
Control test value ± U (k=2)	0.423 ± 0.0634

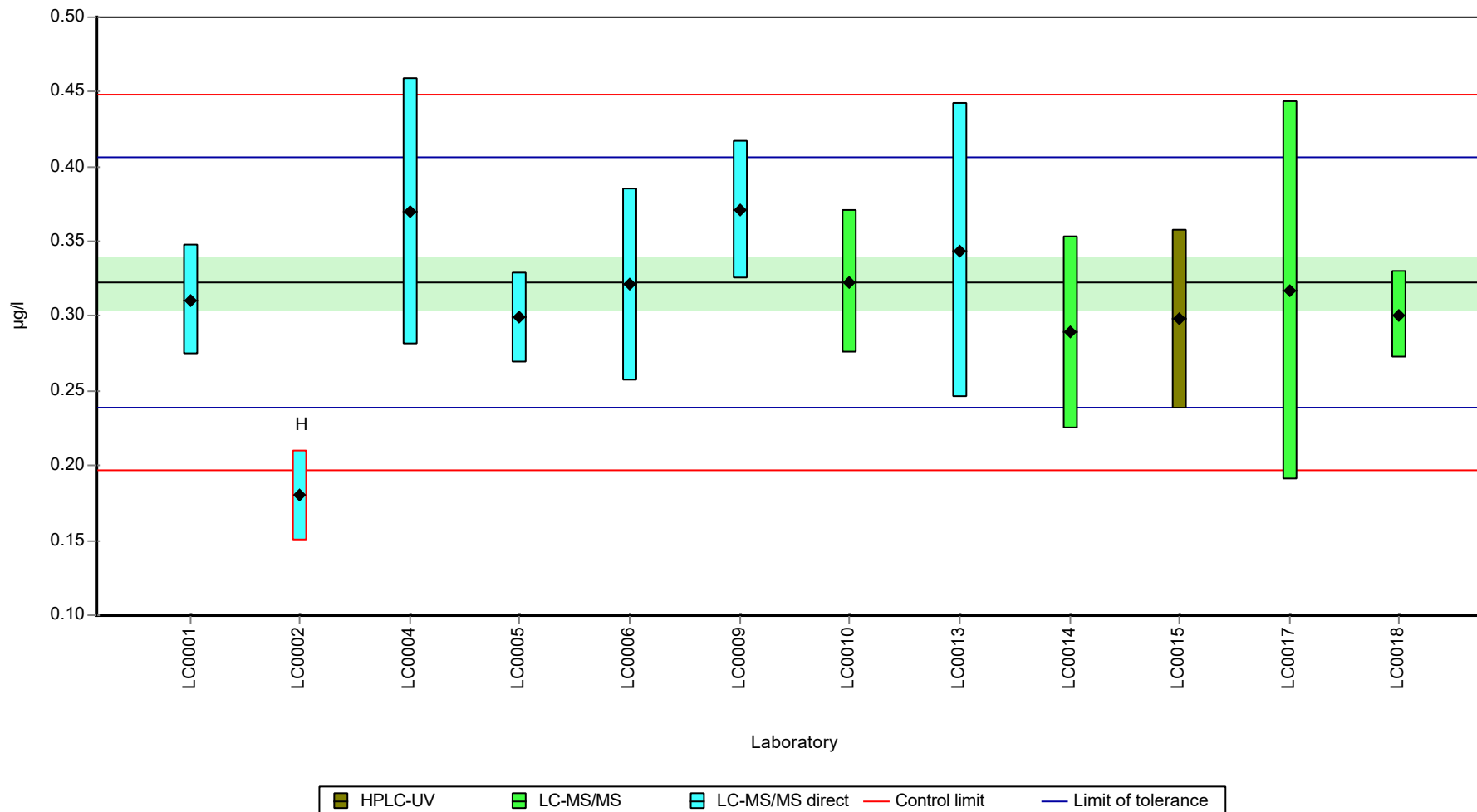
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.311	0.037	96.5	-0.27	
LC0002	0.18	0.03	55.9	-3.39	H
LC0003	-	-	-	-	
LC0004	0.37	0.089	115	1.14	
LC0005	0.299	0.03	92.8	-0.55	
LC0006	0.321	0.064	99.6	-0.03	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	0.371	0.046	115	1.17	
LC0010	0.323	0.048	100	0.02	
LC0011	-	-	-	-	
LC0012	-	-	-	-	
LC0013	0.344	0.099	107	0.52	
LC0014	0.289	0.064	89.7	-0.79	
LC0015	0.298	0.06	92.5	-0.58	
LC0016	-	-	-	-	
LC0017	0.317	0.127	98.4	-0.12	
LC0018	0.301	0.029	93.4	-0.51	

Characteristics of parameter

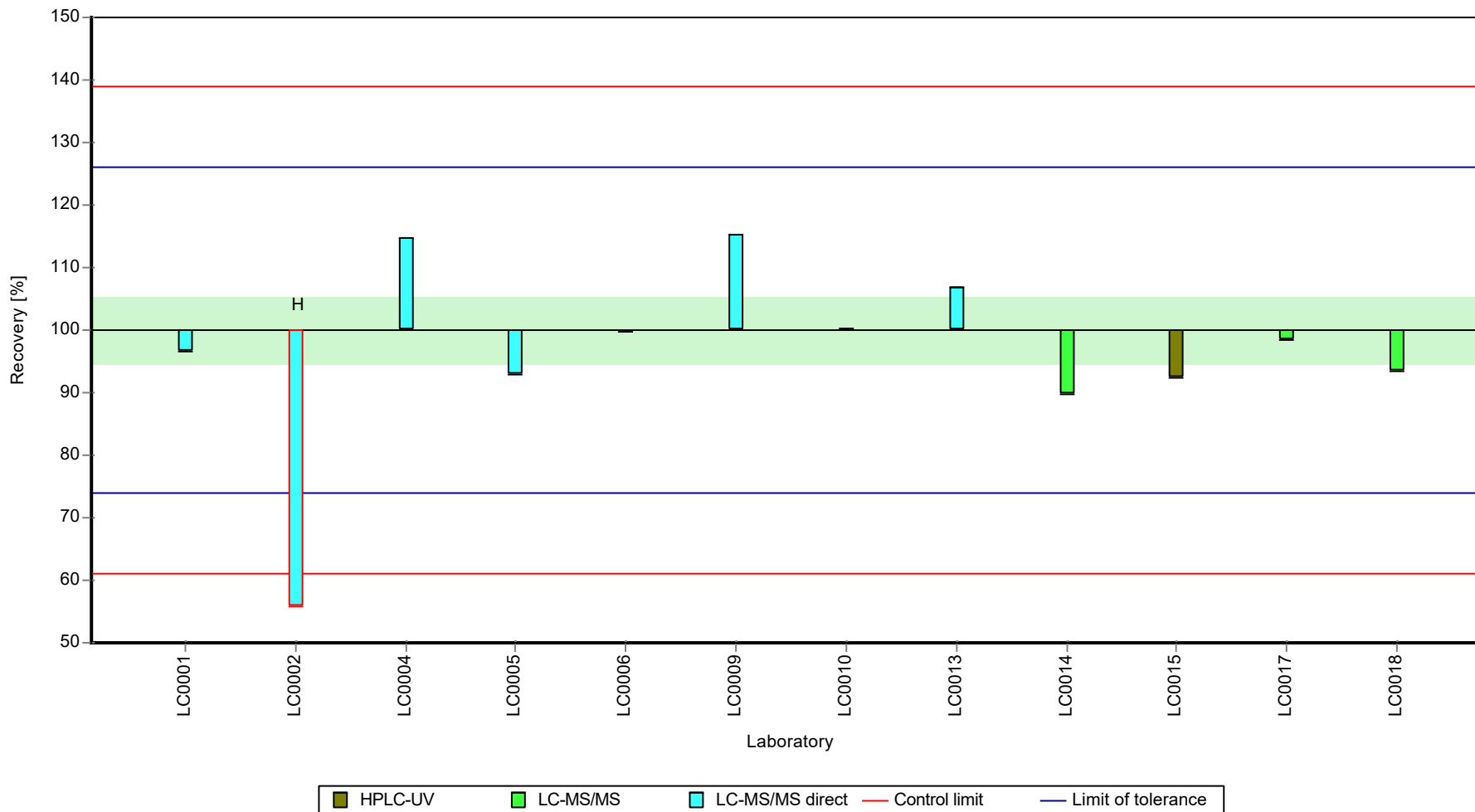
	all results	without outliers	Unit
Mean ± CI (99%)	0.31 ± 0.0425	0.322 ± 0.0255	µg/l
Minimum	0.18	0.289	µg/l
Maximum	0.371	0.371	µg/l
Standard deviation	0.0491	0.0282	µg/l
rel. standard deviation	15.8	8.76	%
n	12	11	-

Graphical presentation of results

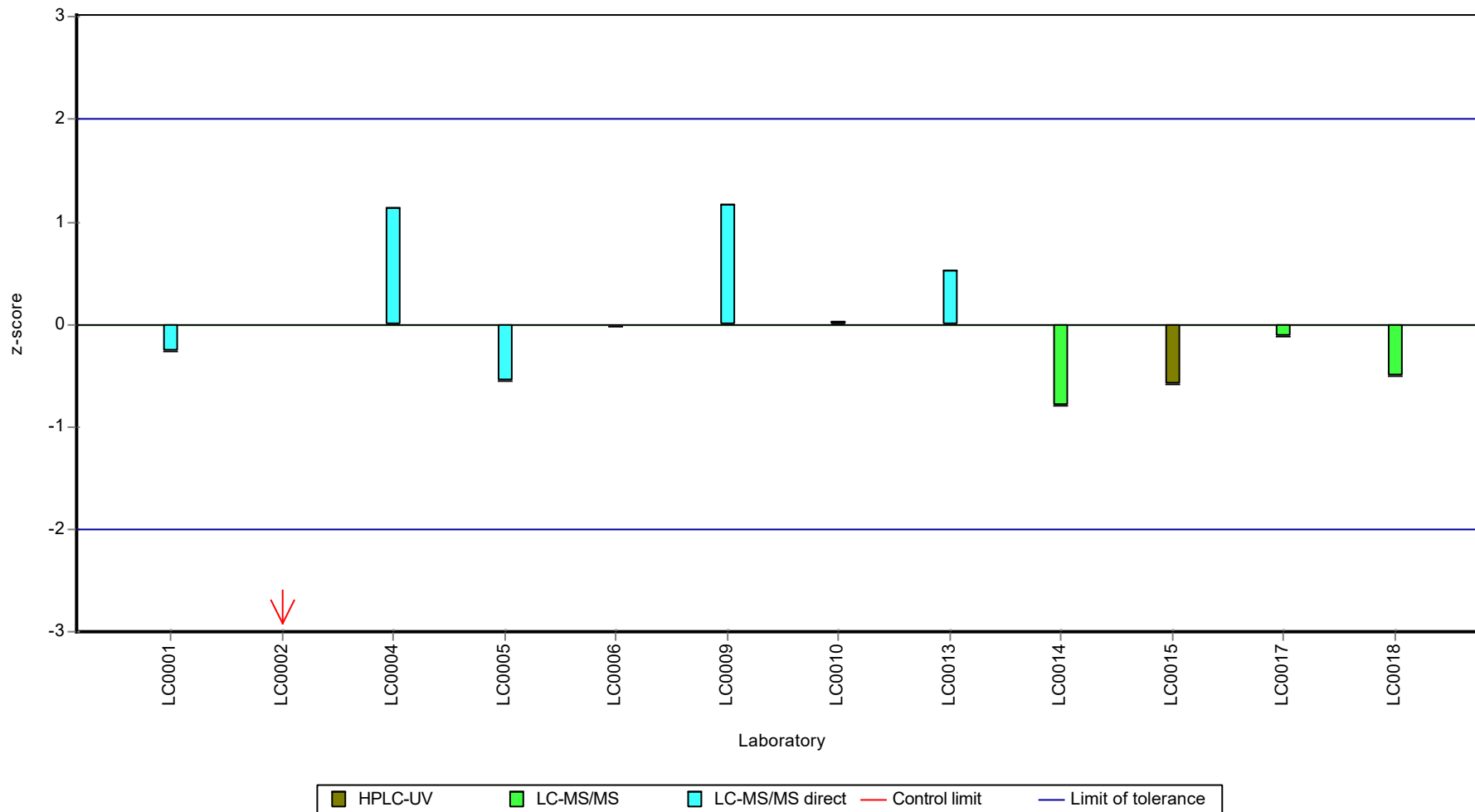
Results



Recovery rate



Z-score



Parameter oriented report

H107 A

Metazachlor

Unit	µg/l
Assigned value ± U (k=2)	-
Criterion	-
Minimum - Maximum	-
Control test value ± U (k=2)	< 0.025 (LOD)

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	< 0.002 (LOQ)	-	-	-	
LC0002	< 0.01 (LOQ)	-	-	-	
LC0003	-	-	-	-	
LC0004	< 0.025 (LOQ)	-	-	-	
LC0005	< 0.001 (LOQ)	-	-	-	
LC0006	< 0.005 (LOQ)	-	-	-	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	< 0.03 (LOQ)	-	-	-	
LC0010	< 0.03 (LOQ)	-	-	-	
LC0011	-	-	-	-	
LC0012	< 0.05 (LOQ)	-	-	-	
LC0013	< 0.03 (LOQ)	-	-	-	
LC0014	< 0.025 (LOQ)	-	-	-	
LC0015	< 0.02 (LOQ)	-	-	-	
LC0016	-	-	-	-	
LC0017	-	-	-	-	
LC0018	< 0.025 (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	-

Parameter oriented report

H107 B

Metazachlor

Unit	µg/l
Assigned value ± U (k=2)	0.476 ± 0.0236
Criterion	0.0571 (12 %)
Minimum - Maximum	0.407 - 0.53
Control test value ± U (k=2)	0.485 ± 0.0727

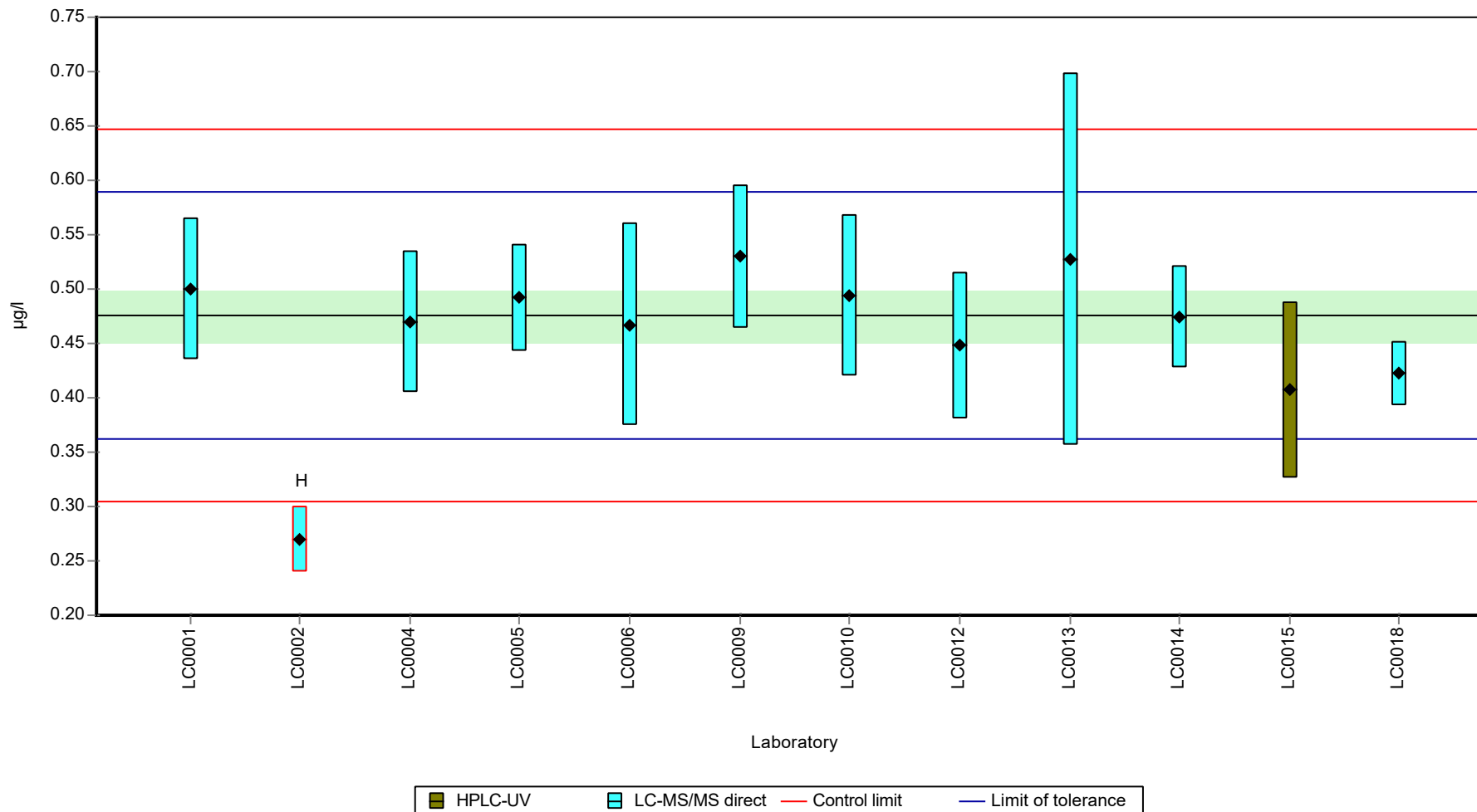
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.5	0.065	105	0.43	
LC0002	0.27	0.03	56.8	-3.6	H
LC0003	-	-	-	-	
LC0004	0.47	0.065	98.8	-0.1	
LC0005	0.492	0.049	103	0.29	
LC0006	0.467	0.093	98.2	-0.15	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	0.53	0.066	111	0.95	
LC0010	0.494	0.074	104	0.32	
LC0011	-	-	-	-	
LC0012	0.448	0.067	94.2	-0.48	
LC0013	0.527	0.171	111	0.9	
LC0014	0.474	0.047	99.7	-0.03	
LC0015	0.407	0.081	85.6	-1.2	
LC0016	-	-	-	-	
LC0017	-	-	-	-	
LC0018	0.422	0.029	88.7	-0.94	

Characteristics of parameter

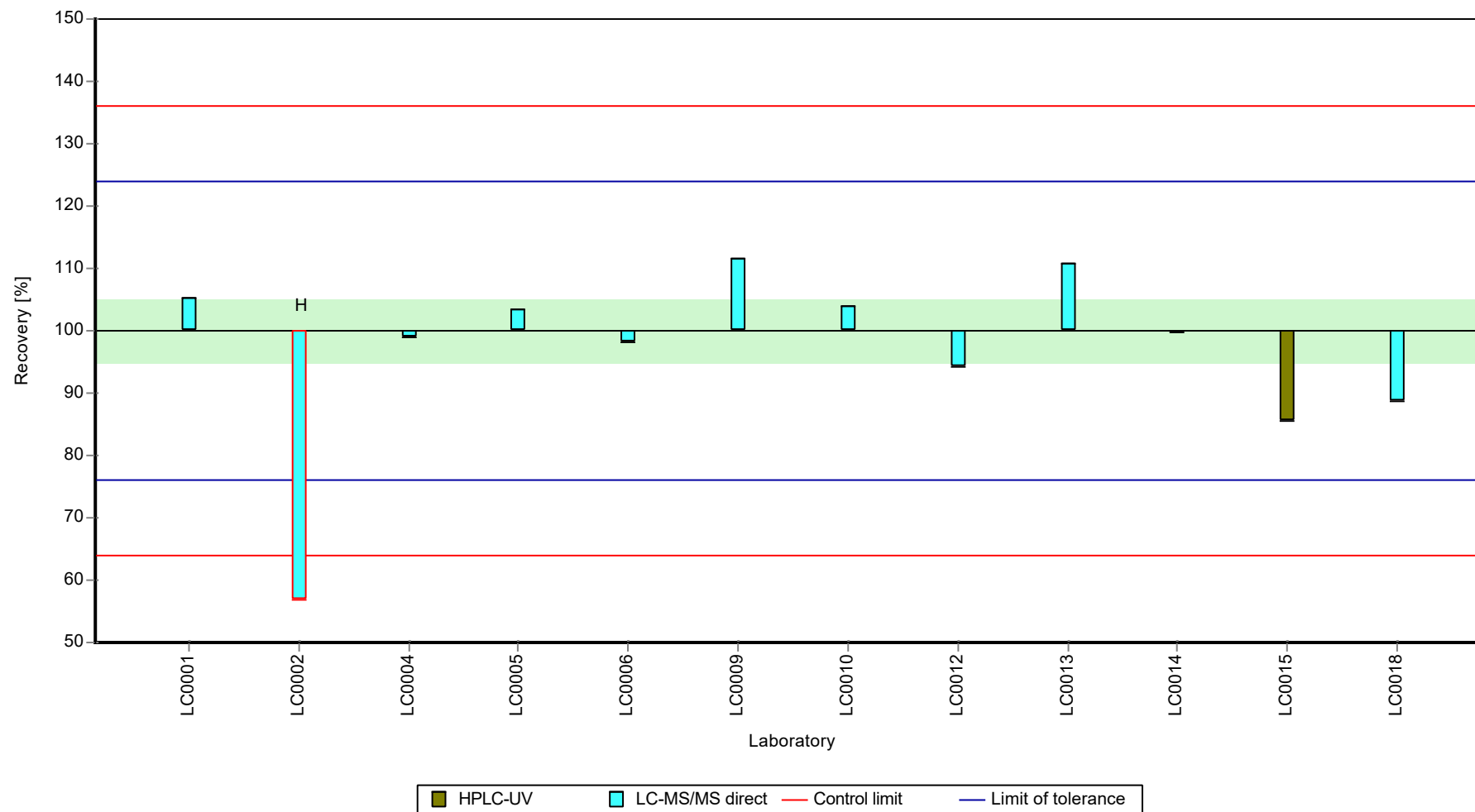
	all results	without outliers	Unit
Mean ± CI (99%)	0.458 ± 0.0607	0.476 ± 0.0353	µg/l
Minimum	0.27	0.407	µg/l
Maximum	0.53	0.53	µg/l
Standard deviation	0.0701	0.0391	µg/l
rel. standard deviation	15.3	8.21	%
n	12	11	-

Graphical presentation of results

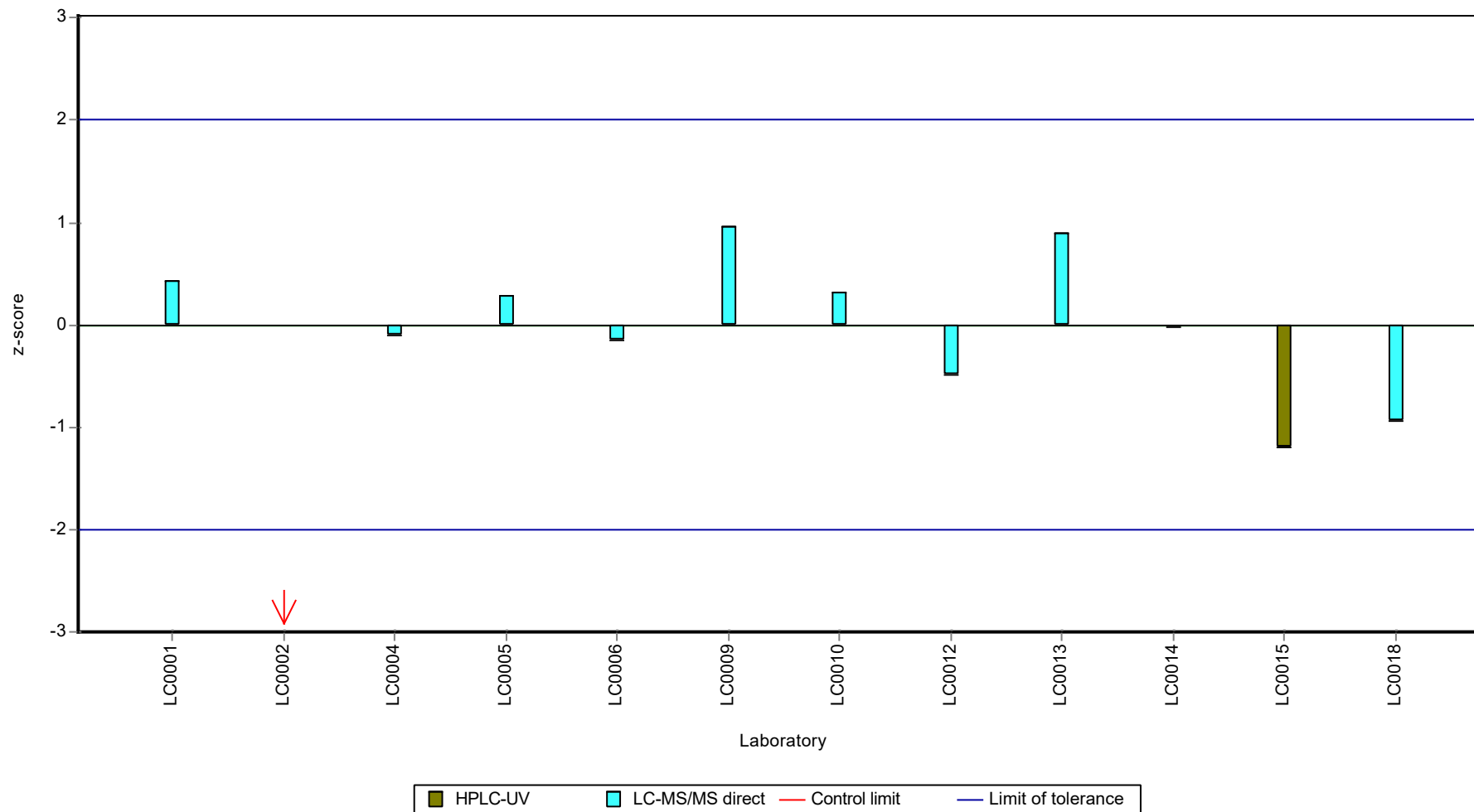
Results



Recovery rate



Z-score



Parameter oriented report

H107 A

Metazachlor ethane sulfonic acid (Metazachlor-ESA)

Unit	µg/l
Assigned value ± U (k=2)	0.357 ± 0.0245
Criterion	0.0679 (19 %)
Minimum - Maximum	0.309 - 0.429
Control test value ± U (k=2)	0.372 ± 0.0871

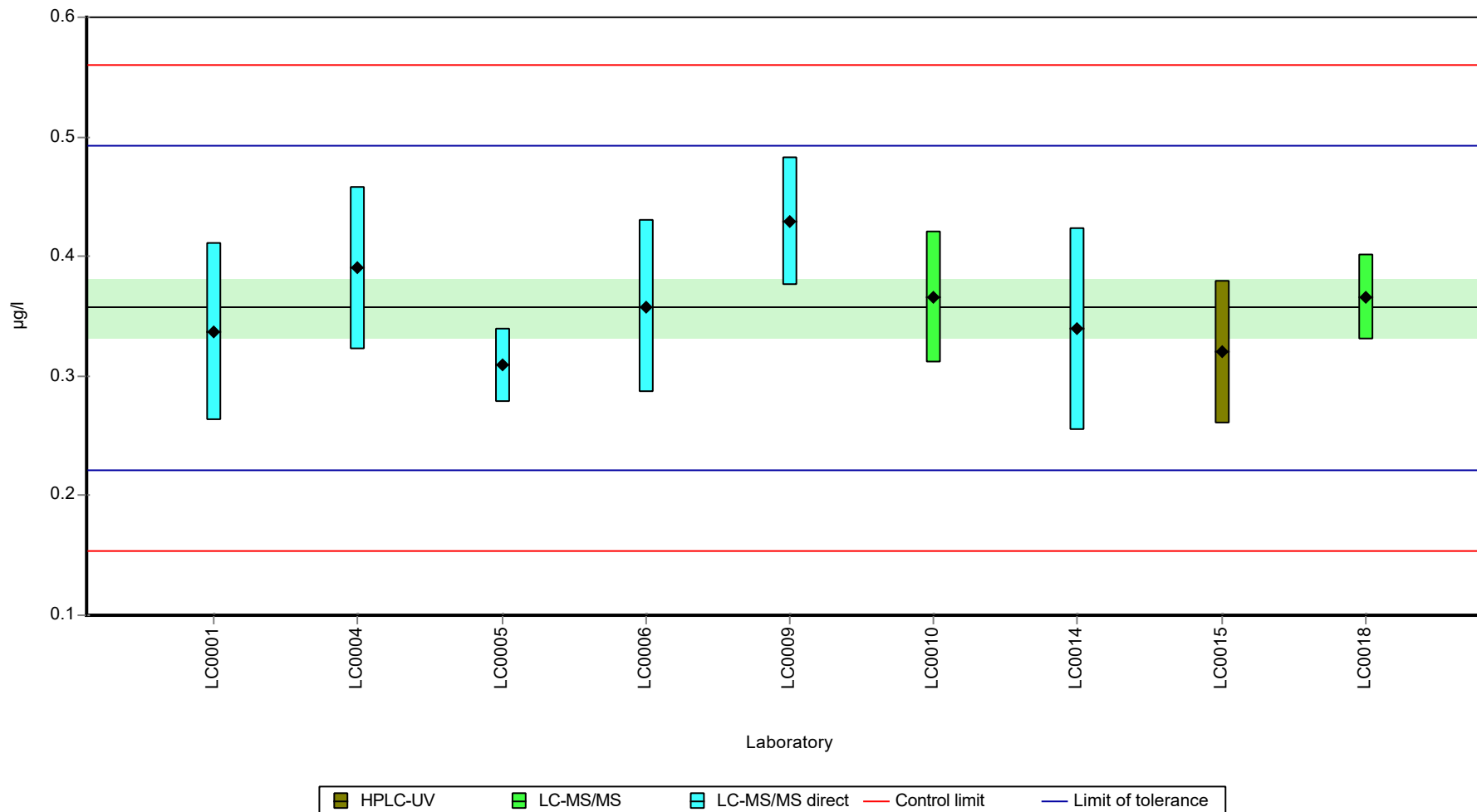
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.337	0.074	94.4	-0.3	
LC0002	-	-	-	-	
LC0003	-	-	-	-	
LC0004	0.39	0.068	109	0.48	
LC0005	0.309	0.031	86.5	-0.71	
LC0006	0.358	0.072	100	0.01	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	0.429	0.054	120	1.06	
LC0010	0.366	0.055	102	0.13	
LC0011	-	-	-	-	
LC0012	-	-	-	-	
LC0013	-	-	-	-	
LC0014	0.339	0.085	94.9	-0.27	
LC0015	0.32	0.06	89.6	-0.55	
LC0016	-	-	-	-	
LC0017	-	-	-	-	
LC0018	0.366	0.036	102	0.13	

Characteristics of parameter

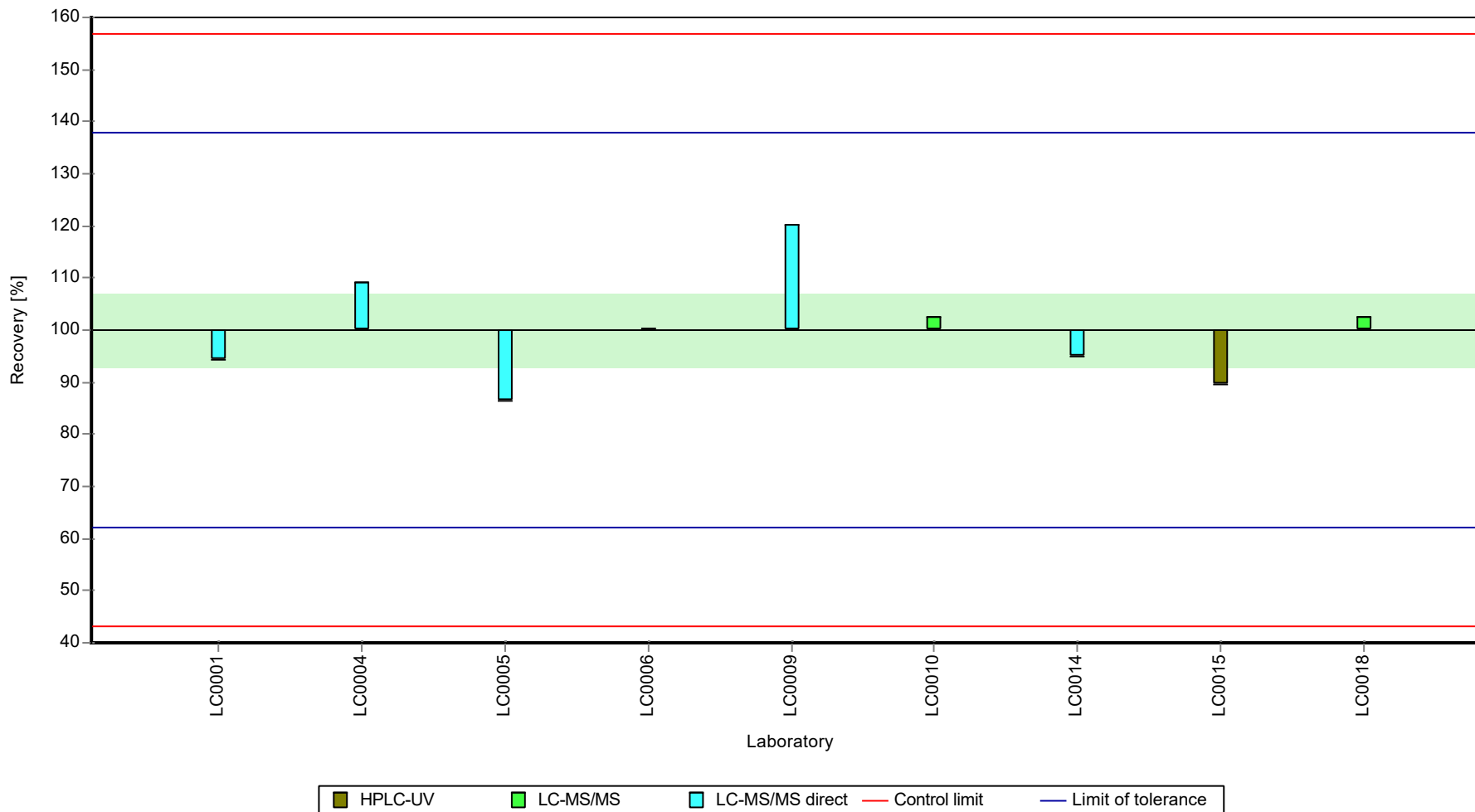
	all results	without outliers	Unit
Mean ± CI (99%)	0.357 ± 0.0368	0.357 ± 0.0368	µg/l
Minimum	0.309	0.309	µg/l
Maximum	0.429	0.429	µg/l
Standard deviation	0.0368	0.0368	µg/l
rel. standard deviation	10.3	10.3	%
n	9	9	-

Graphical presentation of results

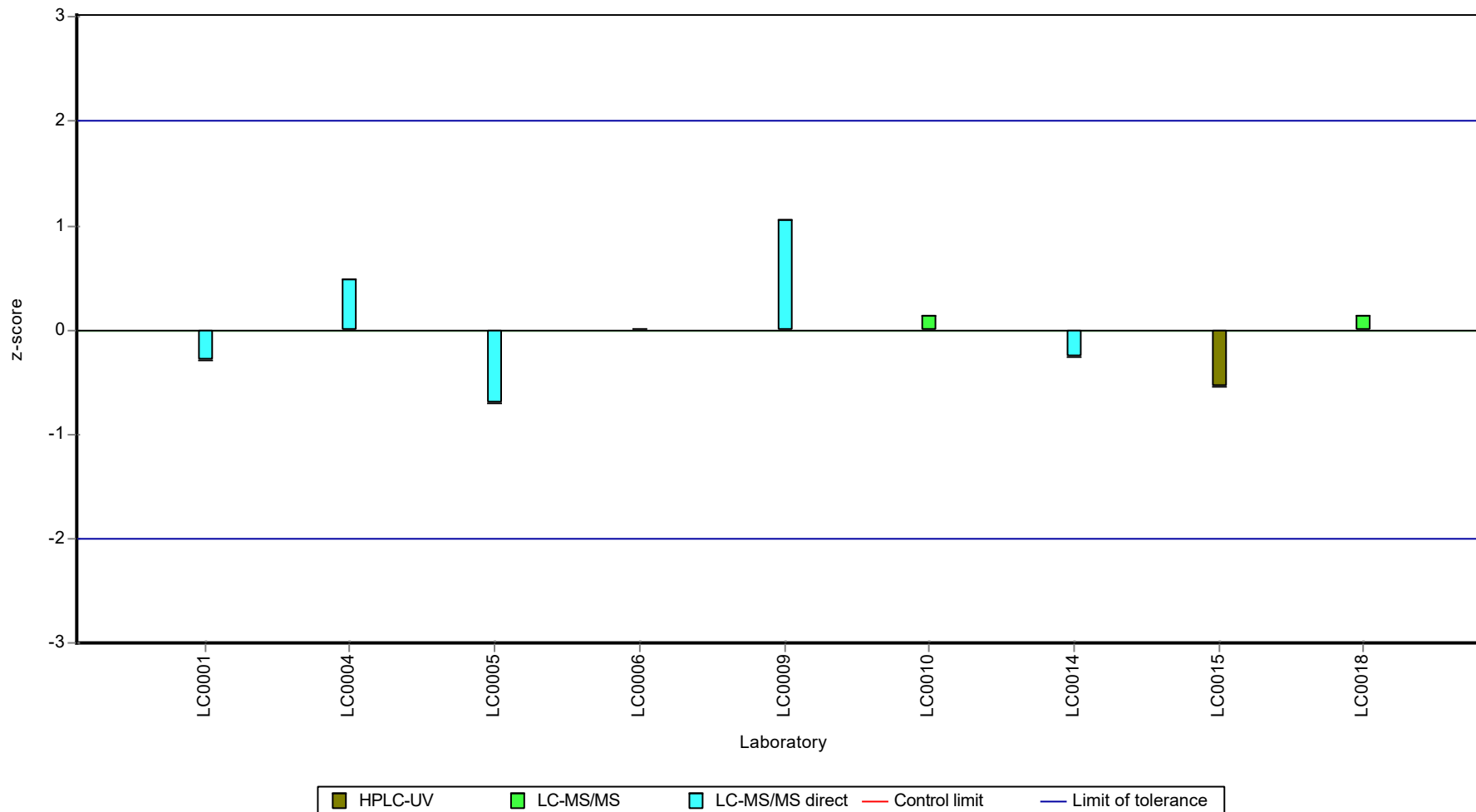
Results



Recovery rate



Z-score



Parameter oriented report

H107 B

Metazachlor ethane sulfonic acid (Metazachlor-ESA)

Unit	µg/l
Assigned value ± U (k=2)	0.136 ± 0.00969
Criterion	0.0258 (19 %)
Minimum - Maximum	0.111 - 0.151
Control test value ± U (k=2)	0.162 ± 0.0379

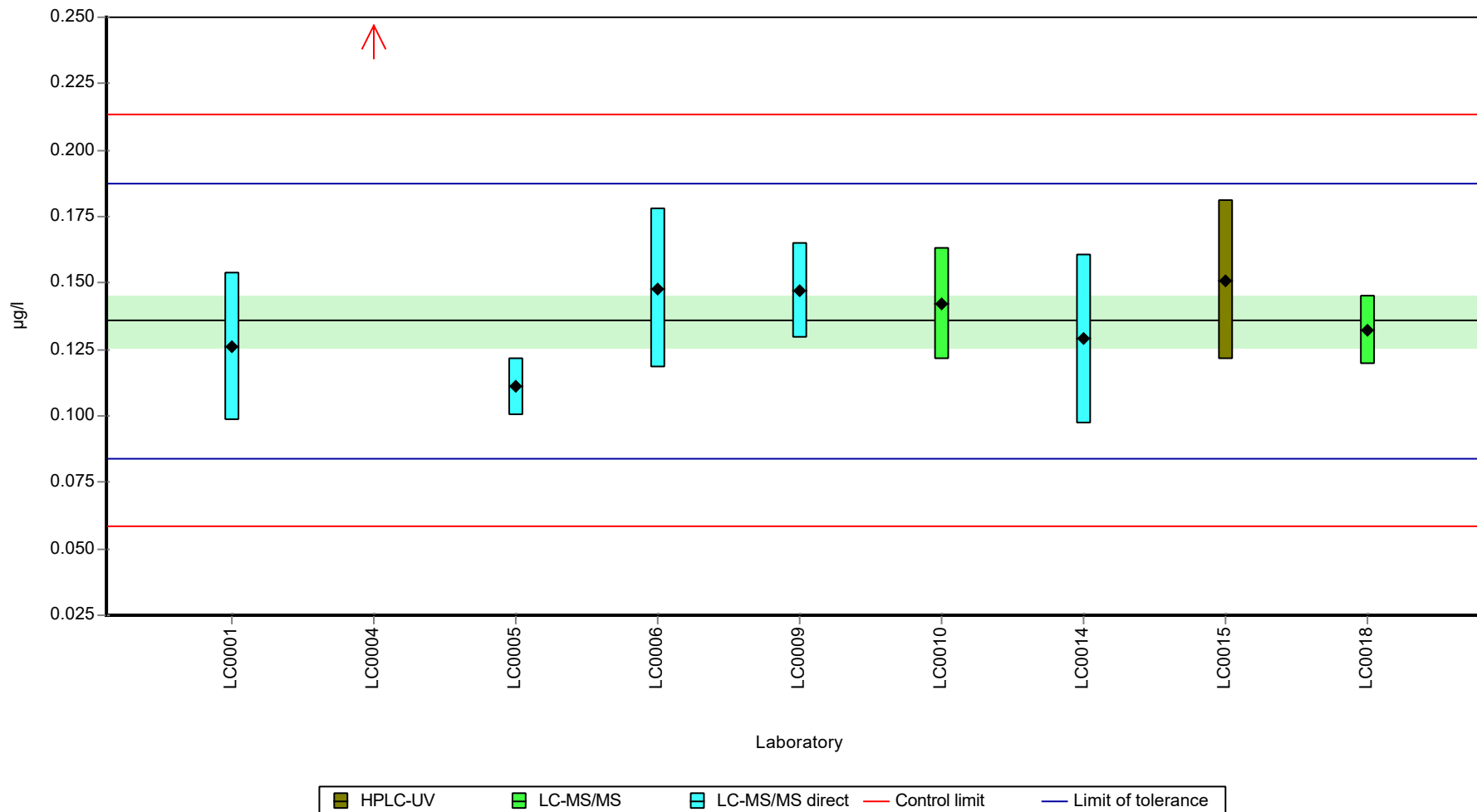
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.126	0.028	92.8	-0.38	
LC0002	-	-	-	-	
LC0003	-	-	-	-	
LC0004	0.305	0.027	225	6.56	H
LC0005	0.111	0.011	81.8	-0.96	
LC0006	0.148	0.03	109	0.47	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	0.147	0.018	108	0.44	
LC0010	0.142	0.021	105	0.24	
LC0011	-	-	-	-	
LC0012	-	-	-	-	
LC0013	-	-	-	-	
LC0014	0.129	0.032	95	-0.26	
LC0015	0.151	0.03	111	0.59	
LC0016	-	-	-	-	
LC0017	-	-	-	-	
LC0018	0.132	0.013	97.2	-0.14	

Characteristics of parameter

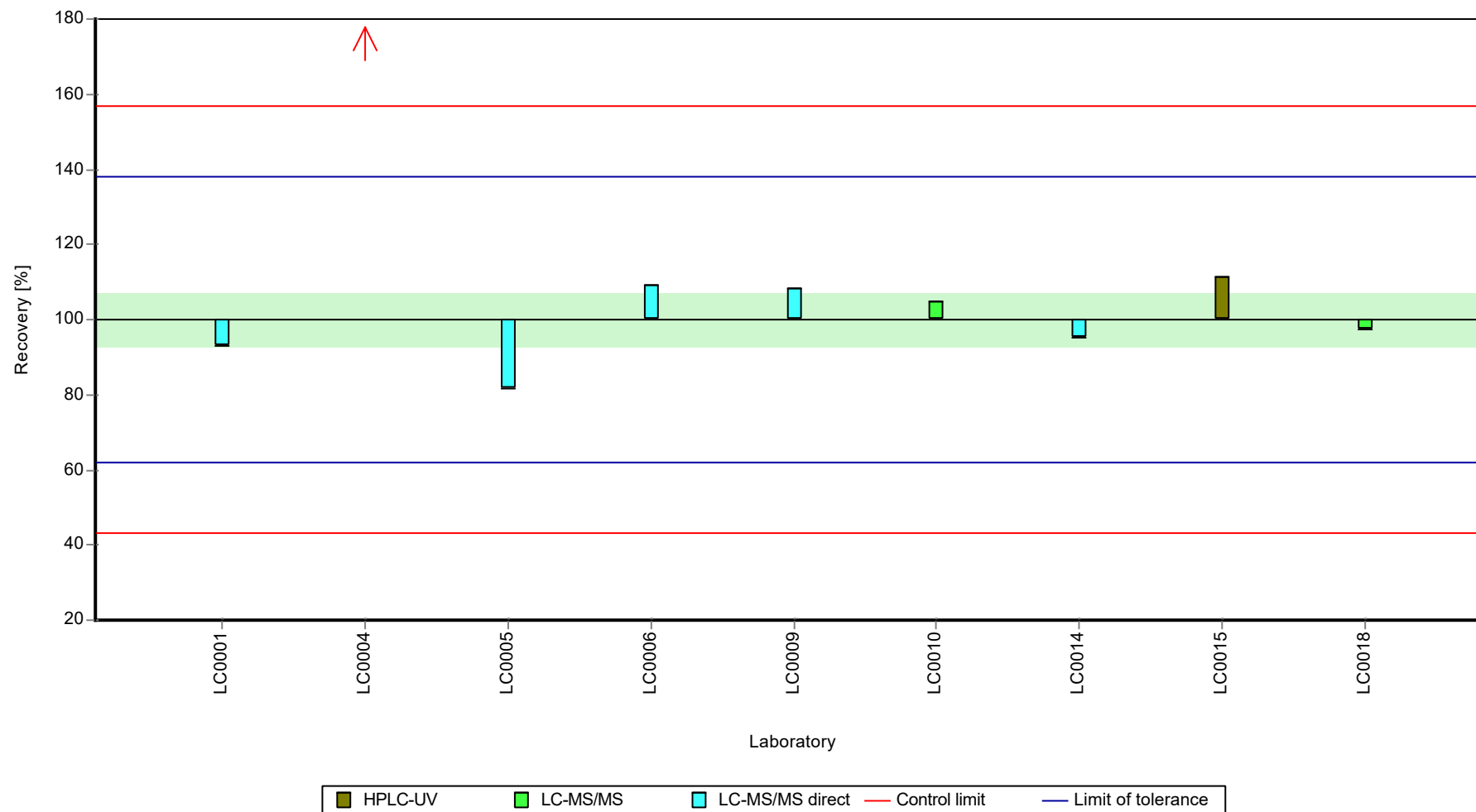
	all results	without outliers	Unit
Mean ± CI (99%)	0.155 ± 0.0579	0.136 ± 0.0145	µg/l
Minimum	0.111	0.111	µg/l
Maximum	0.305	0.151	µg/l
Standard deviation	0.0579	0.0137	µg/l
rel. standard deviation	37.4	10.1	%
n	9	8	-

Graphical presentation of results

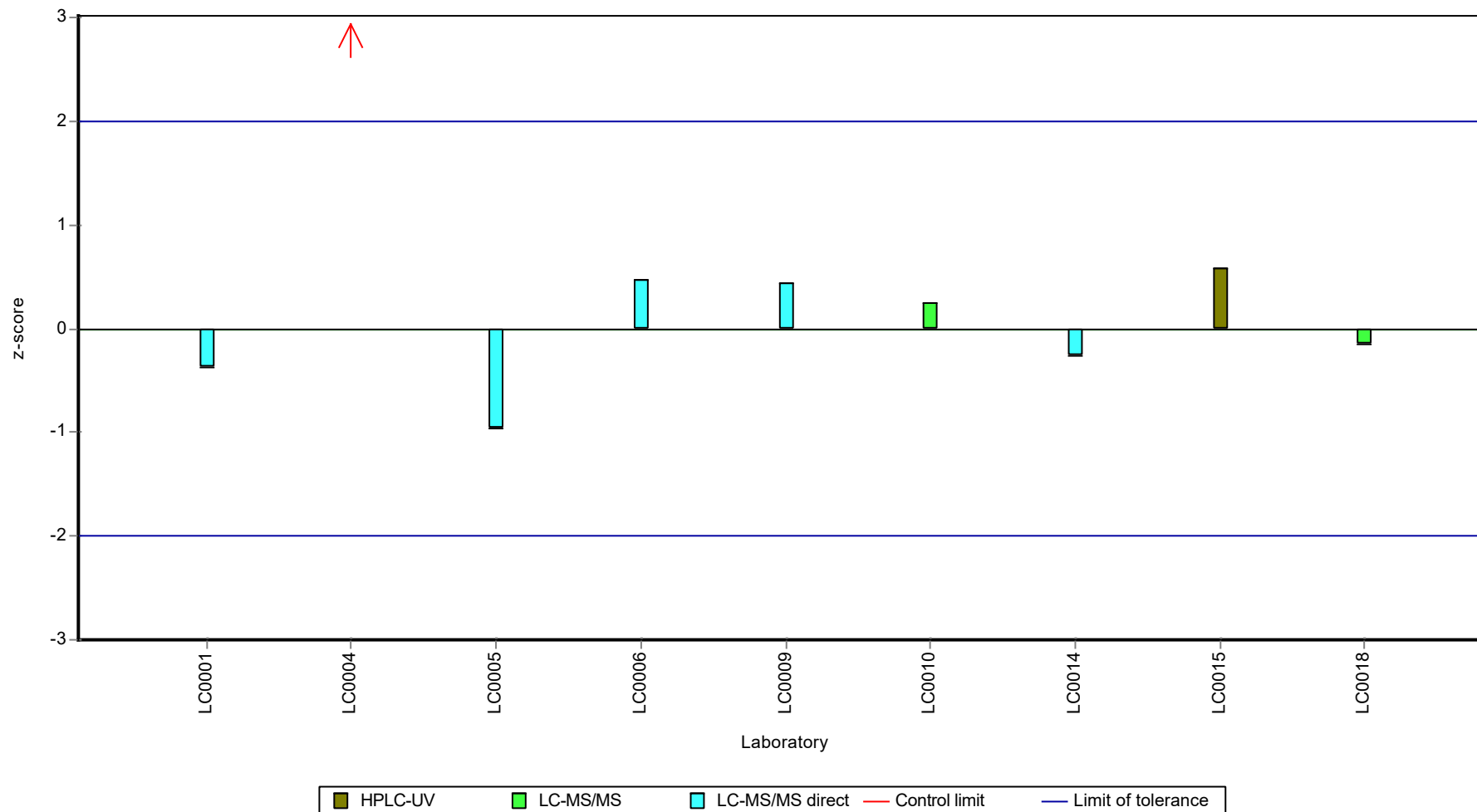
Results



Recovery rate



Z-score



Parameter oriented report

H107 A

Metazachlor oxanilic acid (Metazachlor-OA)

Unit	µg/l
Assigned value ± U (k=2)	0.304 ± 0.0331
Criterion	0.0639 (21 %)
Minimum - Maximum	0.206 - 0.36
Control test value ± U (k=2)	0.250 ± 0.0396

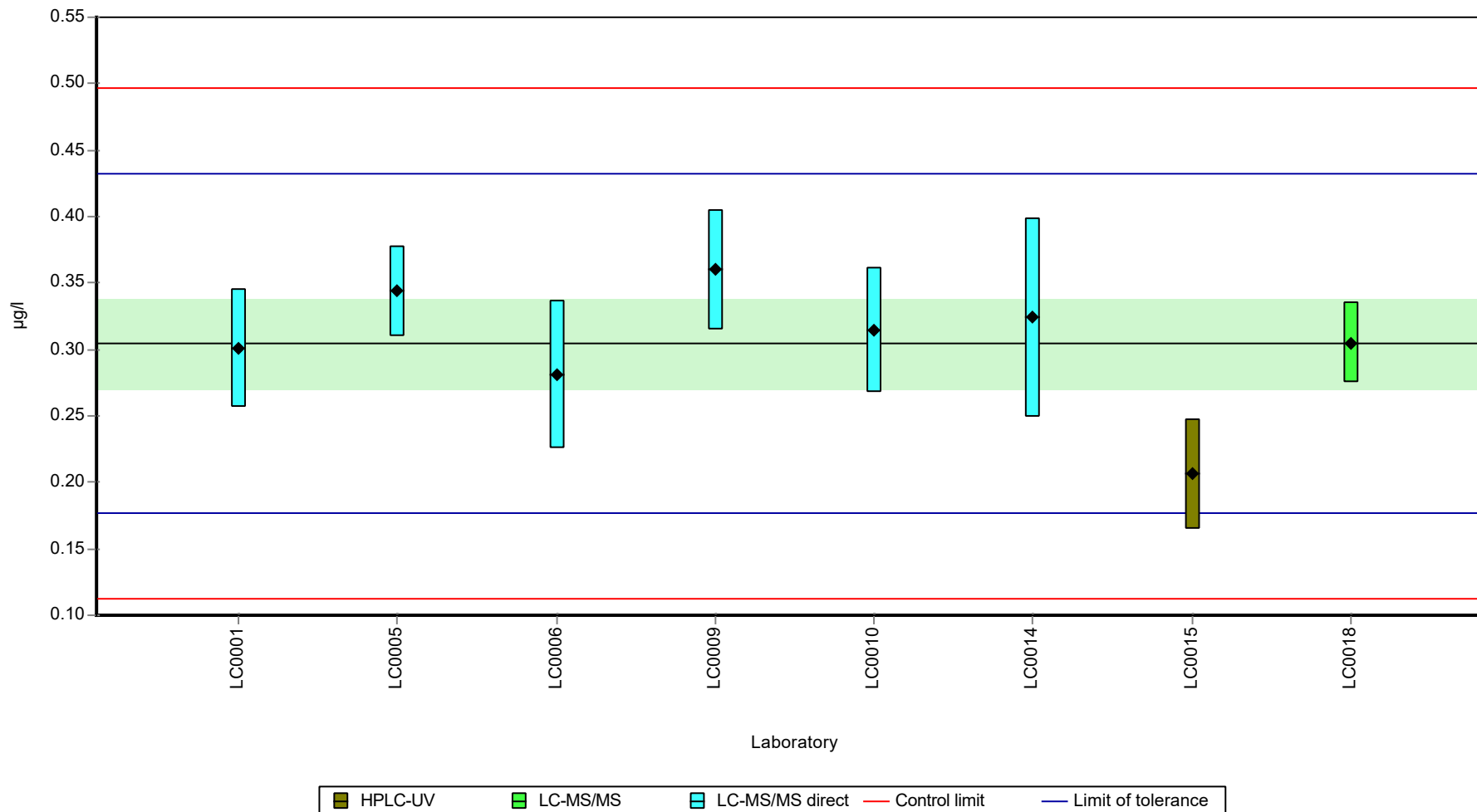
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.301	0.045	98.9	-0.05	
LC0002	-	-	-	-	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	0.344	0.034	113	0.62	
LC0006	0.281	0.056	92.3	-0.37	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	0.36	0.045	118	0.87	
LC0010	0.314	0.047	103	0.15	
LC0011	-	-	-	-	
LC0012	-	-	-	-	
LC0013	-	-	-	-	
LC0014	0.324	0.075	106	0.31	
LC0015	0.206	0.041	67.7	-1.54	
LC0016	-	-	-	-	
LC0017	-	-	-	-	
LC0018	0.305	0.03	100	0.01	

Characteristics of parameter

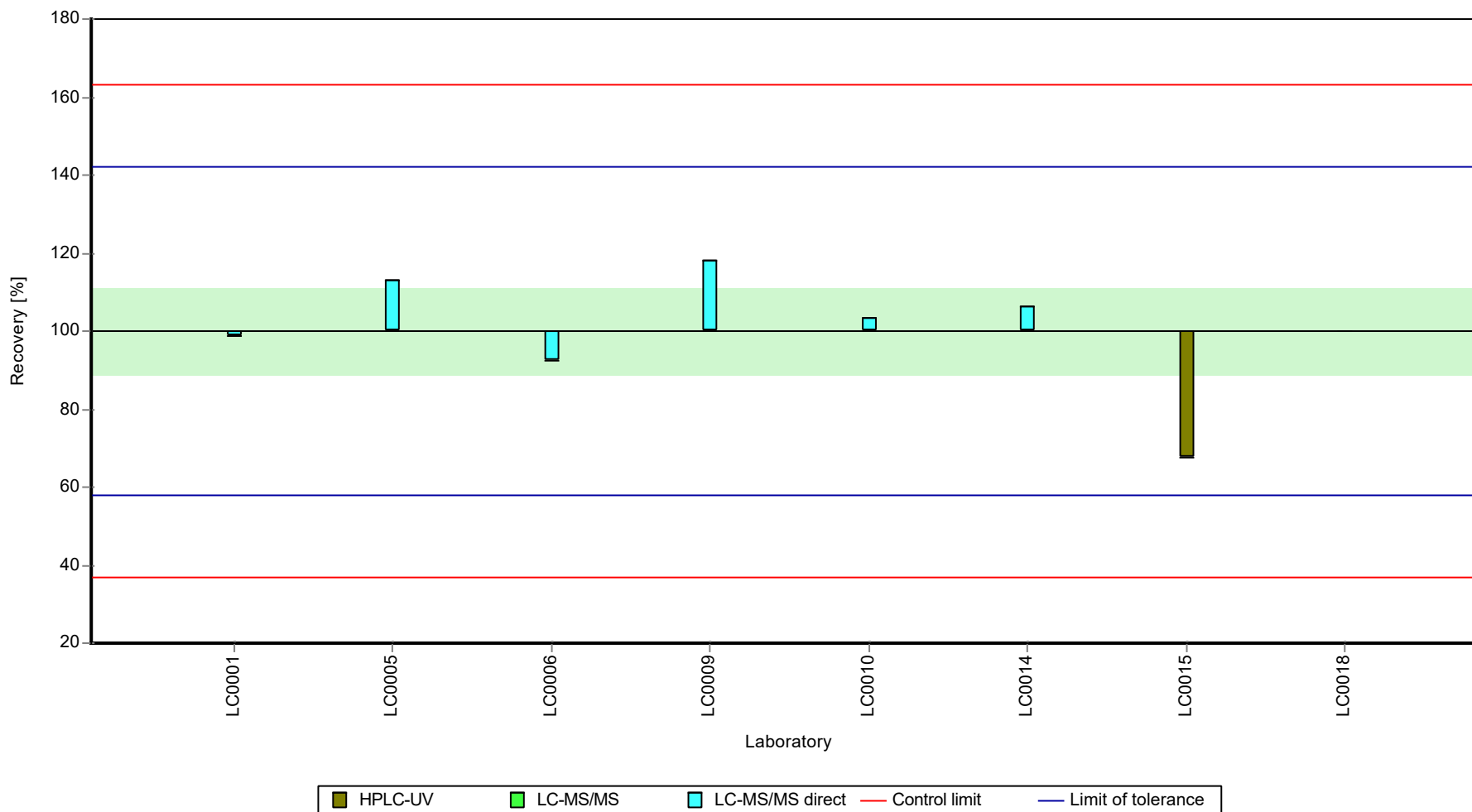
	all results	without outliers	Unit
Mean ± CI (99%)	0.304 ± 0.0497	0.304 ± 0.0497	µg/l
Minimum	0.206	0.206	µg/l
Maximum	0.36	0.36	µg/l
Standard deviation	0.0469	0.0469	µg/l
rel. standard deviation	15.4	15.4	%
n	8	8	-

Graphical presentation of results

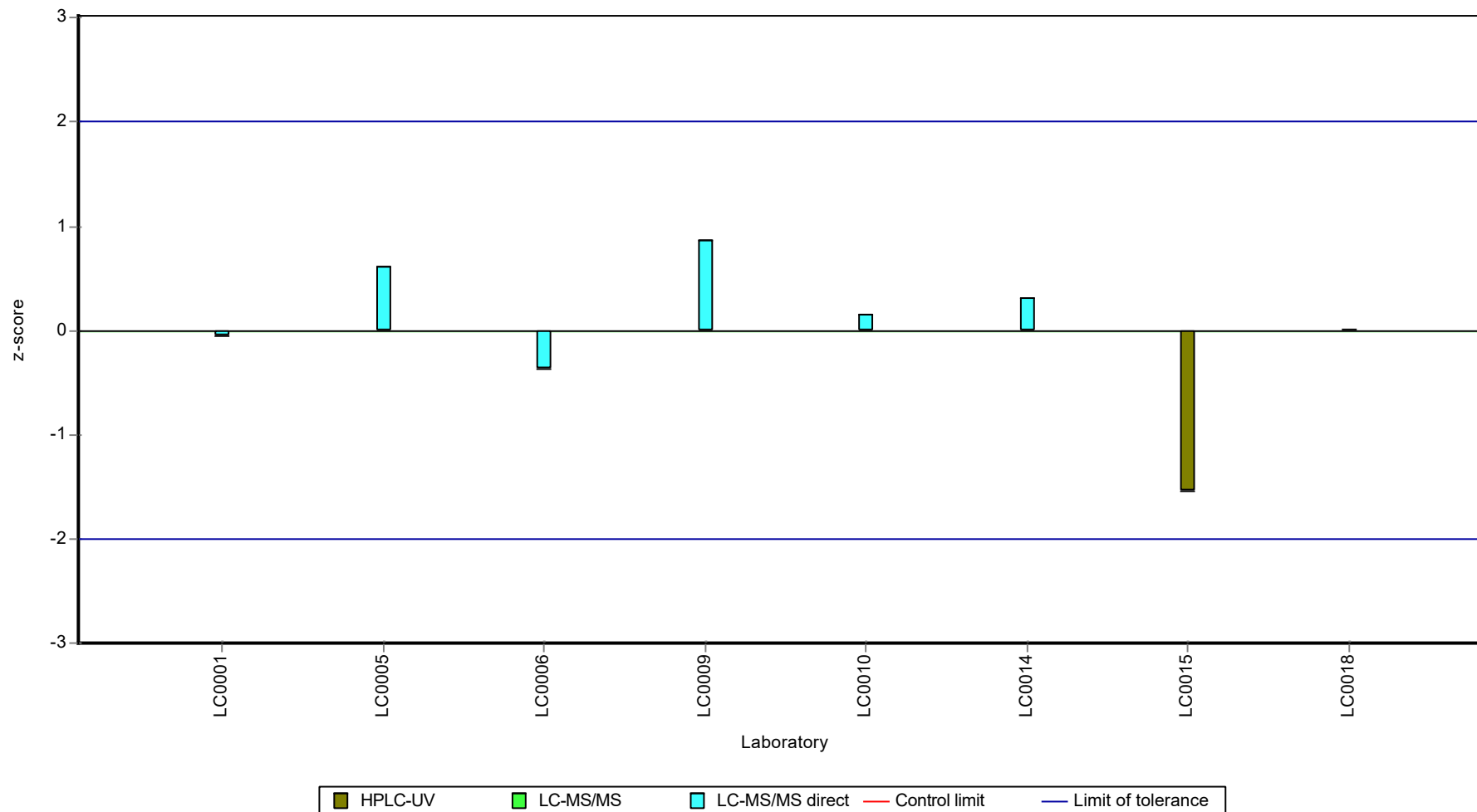
Results



Recovery rate



Z-score



Parameter oriented report

H107 B

Metazachlor oxanilic acid (Metazachlor-OA)

Unit	µg/l
Assigned value ± U (k=2)	-
Criterion	-
Minimum - Maximum	-
Control test value ± U (k=2)	< 0.025 (LOD)

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	< 0.006 (LOQ)	-	-	-	
LC0002	-	-	-	-	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	< 0.001 (LOQ)	-	-	-	
LC0006	< 0.01 (LOQ)	-	-	-	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	< 0.02 (LOQ)	-	-	-	
LC0010	< 0.03 (LOQ)	-	-	-	
LC0011	-	-	-	-	
LC0012	-	-	-	-	
LC0013	-	-	-	-	
LC0014	< 0.025 (LOQ)	-	-	-	
LC0015	< 0.02 (LOQ)	-	-	-	
LC0016	-	-	-	-	
LC0017	-	-	-	-	
LC0018	< 0.025 (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	-

Parameter oriented report

H107 A

Metolachlor

Unit	µg/l
Assigned value ± U (k=2)	-
Criterion	-
Minimum - Maximum	-
Control test value ± U (k=2)	< 0.025 (LOD)

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	< 0.002 (LOQ)	-	-	-	
LC0002	< 0.01 (LOQ)	-	-	-	
LC0003	-	-	-	-	
LC0004	< 0.025 (LOQ)	-	-	-	
LC0005	< 0.001 (LOQ)	-	-	-	
LC0006	< 0.005 (LOQ)	-	-	-	
LC0007	< 0.01 (LOQ)	-	-	-	
LC0008	-	-	-	-	
LC0009	< 0.03 (LOQ)	-	-	-	
LC0010	< 0.03 (LOQ)	-	-	-	
LC0011	< 0.03 (LOQ)	-	-	-	
LC0012	< 0.05 (LOQ)	-	-	-	
LC0013	< 0.03 (LOQ)	-	-	-	
LC0014	< 0.025 (LOQ)	-	-	-	
LC0015	< 0.05 (LOQ)	-	-	-	
LC0016	-	-	-	-	
LC0017	< 0.05 (LOQ)	-	-	-	
LC0018	< 0.025 (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	-

Parameter oriented report

H107 B

Metolachlor

Unit	µg/l
Assigned value ± U (k=2)	0.513 ± 0.0147
Criterion	0.077 (15 %)
Minimum - Maximum	0.47 - 0.55
Control test value ± U (k=2)	0.528 ± 0.0792

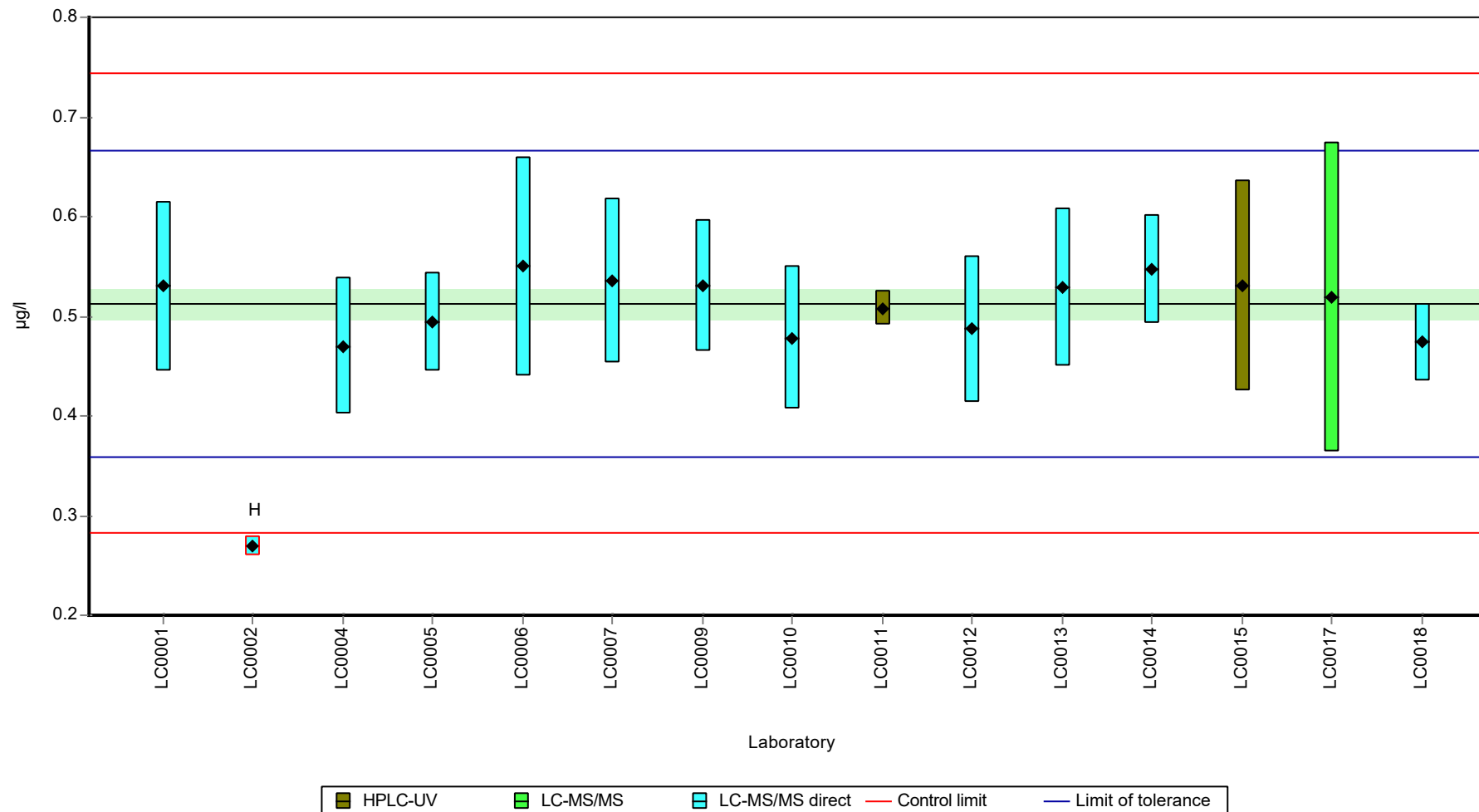
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.53	0.085	103	0.22	
LC0002	0.27	0.01	52.6	-3.16	H
LC0003	-	-	-	-	
LC0004	0.47	0.069	91.6	-0.56	
LC0005	0.494	0.049	96.3	-0.25	
LC0006	0.55	0.11	107	0.48	
LC0007	0.536	0.083	104	0.3	
LC0008	-	-	-	-	
LC0009	0.53	0.066	103	0.22	
LC0010	0.478	0.072	93.2	-0.46	
LC0011	0.508	0.017	99	-0.06	
LC0012	0.48694	0.073	94.9	-0.34	
LC0013	0.529	0.079	103	0.21	
LC0014	0.547	0.055	107	0.44	
LC0015	0.53	0.106	103	0.22	
LC0016	-	-	-	-	
LC0017	0.519	0.156	101	0.08	
LC0018	0.474	0.039	92.4	-0.51	

Characteristics of parameter

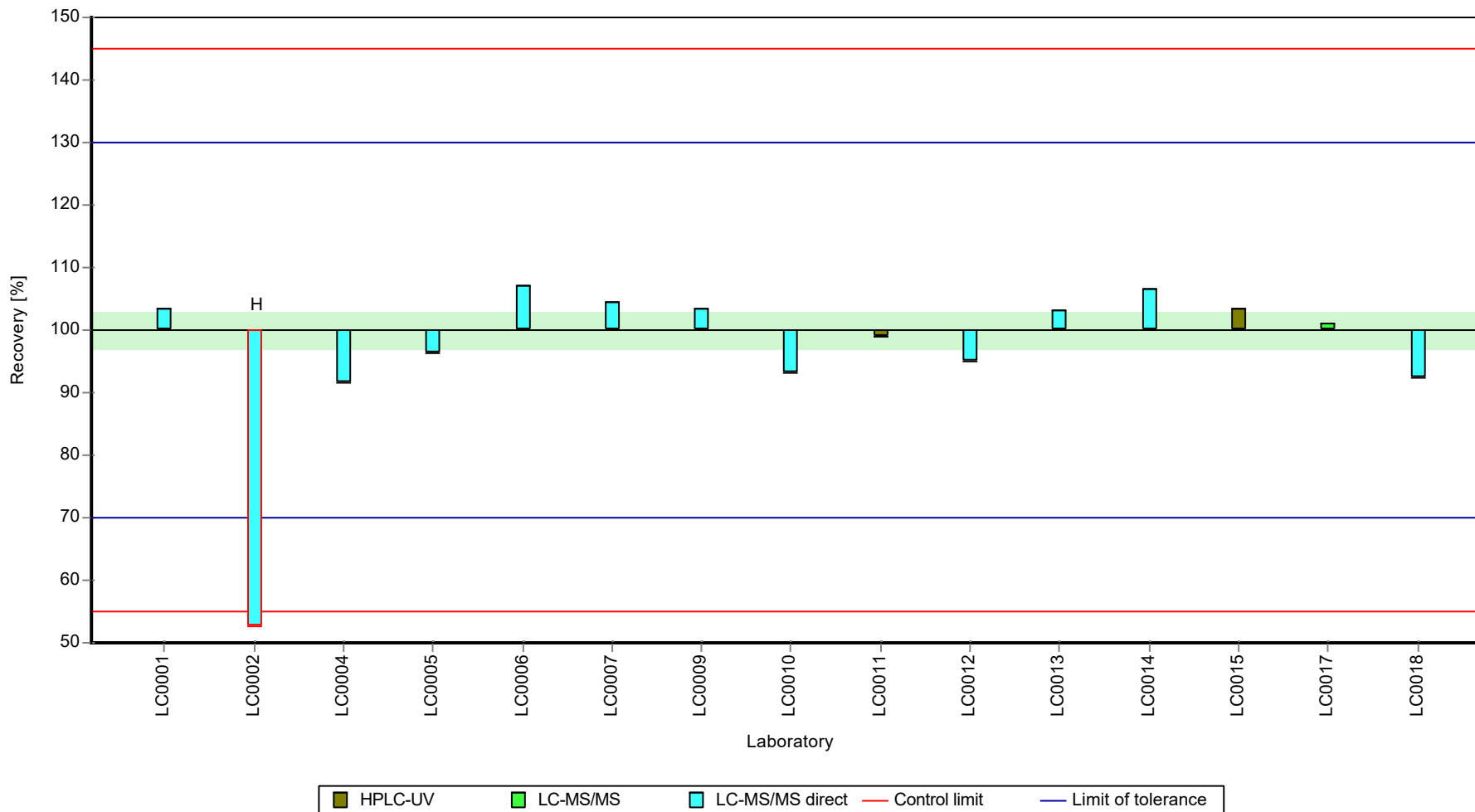
	all results	without outliers	Unit
Mean ± CI (99%)	0.497 ± 0.0528	0.513 ± 0.0221	µg/l
Minimum	0.27	0.47	µg/l
Maximum	0.55	0.55	µg/l
Standard deviation	0.0681	0.0276	µg/l
rel. standard deviation	13.7	5.37	%
n	15	14	-

Graphical presentation of results

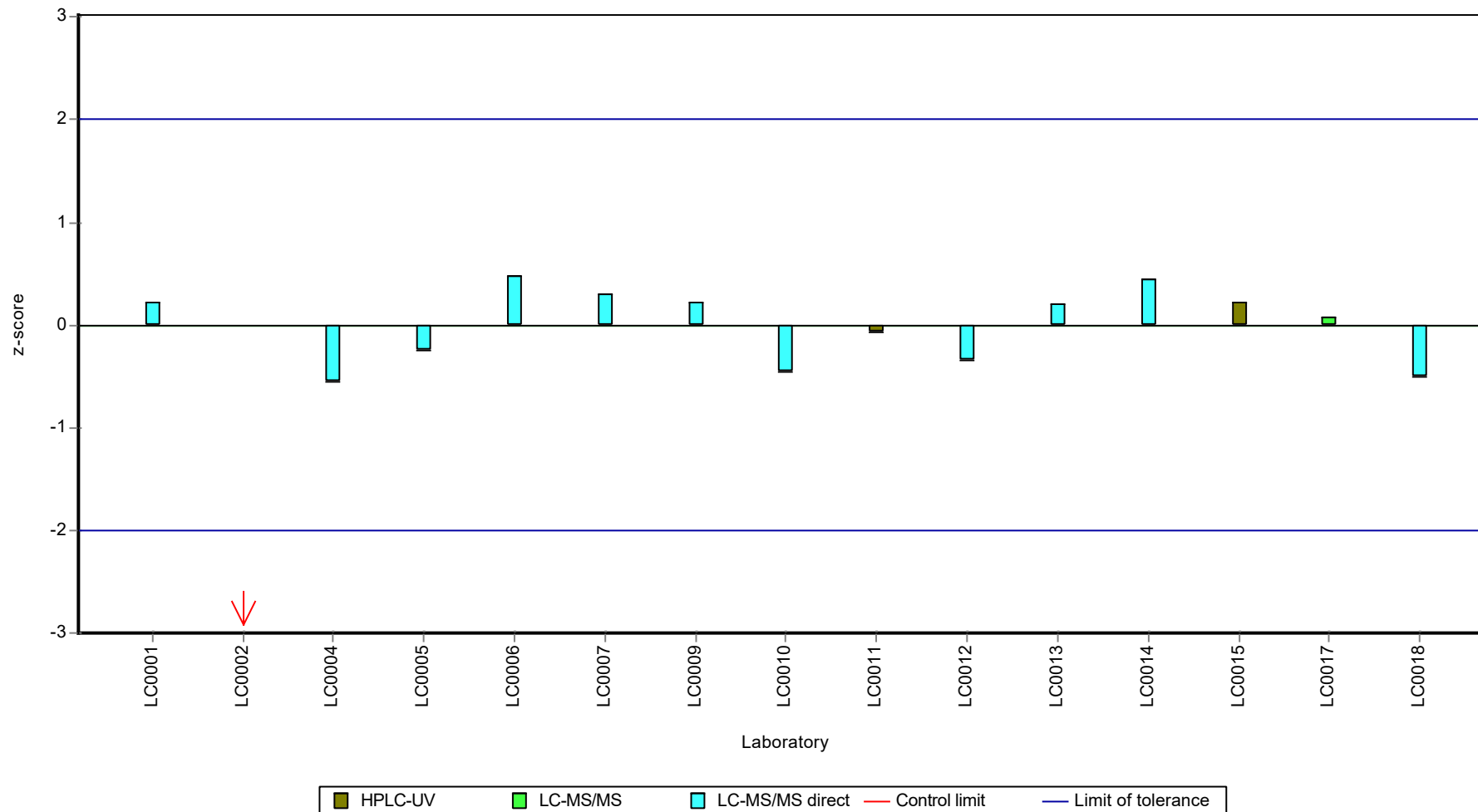
Results



Recovery rate



Z-score



Parameter oriented report

H107 A

s-Metolachlor ethanesulfonic acid (Metolachlor-ESA)

Unit	µg/l
Assigned value ± U (k=2)	0.394 ± 0.0335
Criterion	0.0788 (20 %)
Minimum - Maximum	0.345 - 0.51
Control test value ± U (k=2)	0.429 ± 0.07

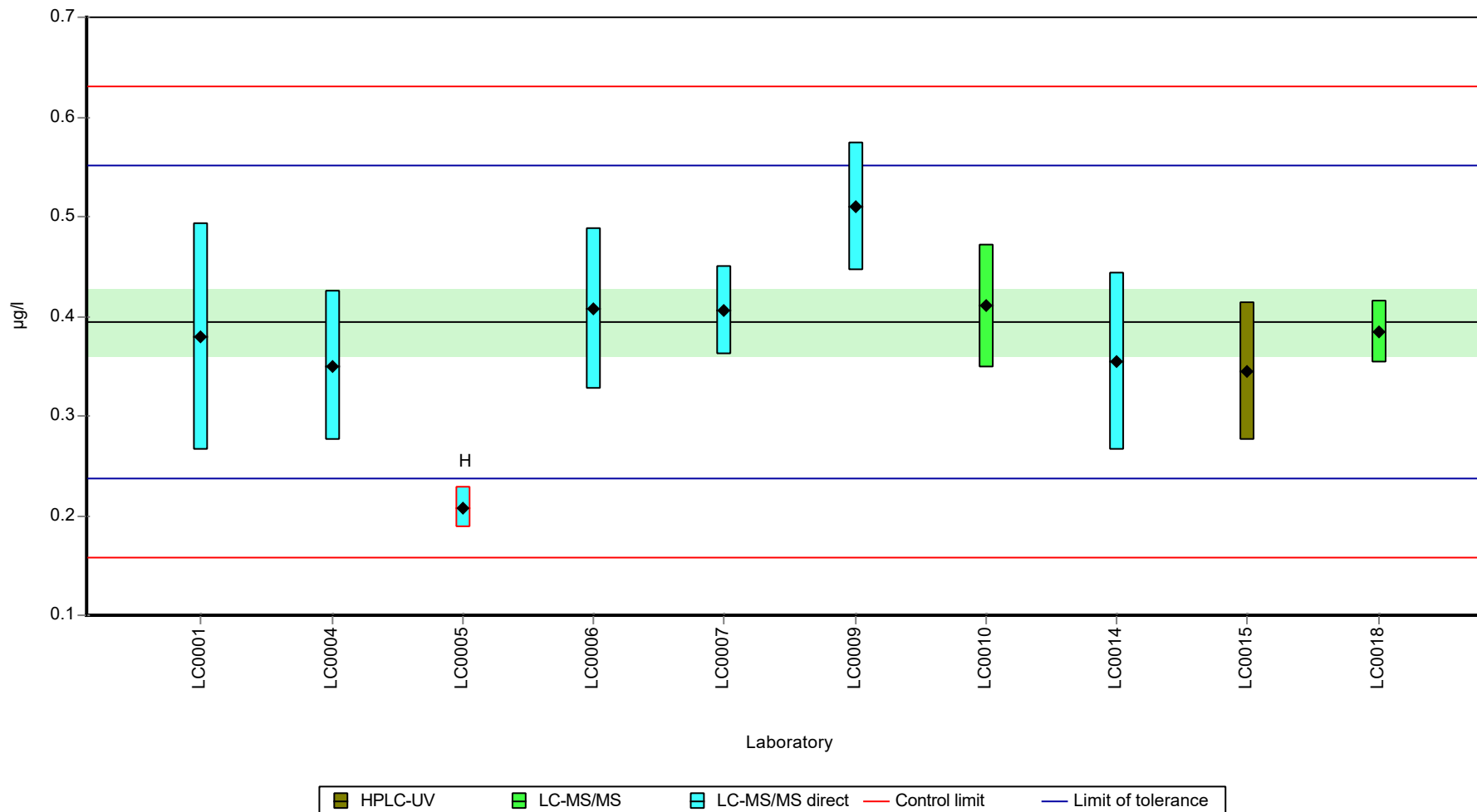
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.38	0.114	96.4	-0.18	
LC0002	-	-	-	-	
LC0003	-	-	-	-	
LC0004	0.35	0.075	88.8	-0.56	
LC0005	0.208	0.021	52.8	-2.36	H
LC0006	0.407	0.081	103	0.17	
LC0007	0.406	0.045	103	0.15	
LC0008	-	-	-	-	
LC0009	0.51	0.064	129	1.47	
LC0010	0.41	0.062	104	0.2	
LC0011	-	-	-	-	
LC0012	-	-	-	-	
LC0013	-	-	-	-	
LC0014	0.354	0.089	89.8	-0.51	
LC0015	0.345	0.069	87.6	-0.62	
LC0016	-	-	-	-	
LC0017	-	-	-	-	
LC0018	0.384	0.031	97.5	-0.13	

Characteristics of parameter

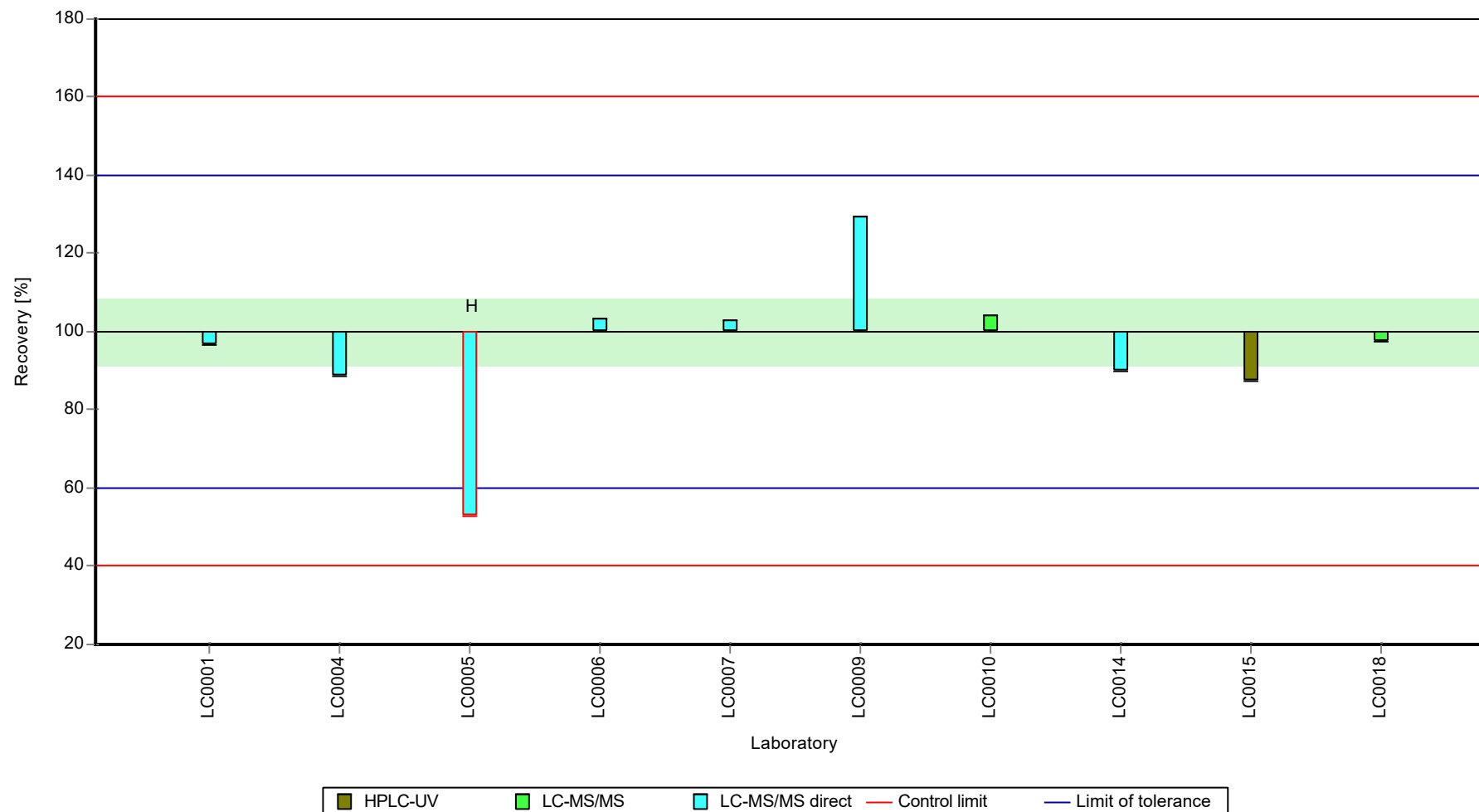
	all results	without outliers	Unit
Mean ± CI (99%)	0.375 ± 0.0717	0.394 ± 0.0503	µg/l
Minimum	0.208	0.345	µg/l
Maximum	0.51	0.51	µg/l
Standard deviation	0.0756	0.0503	µg/l
rel. standard deviation	20.1	12.8	%
n	10	9	-

Graphical presentation of results

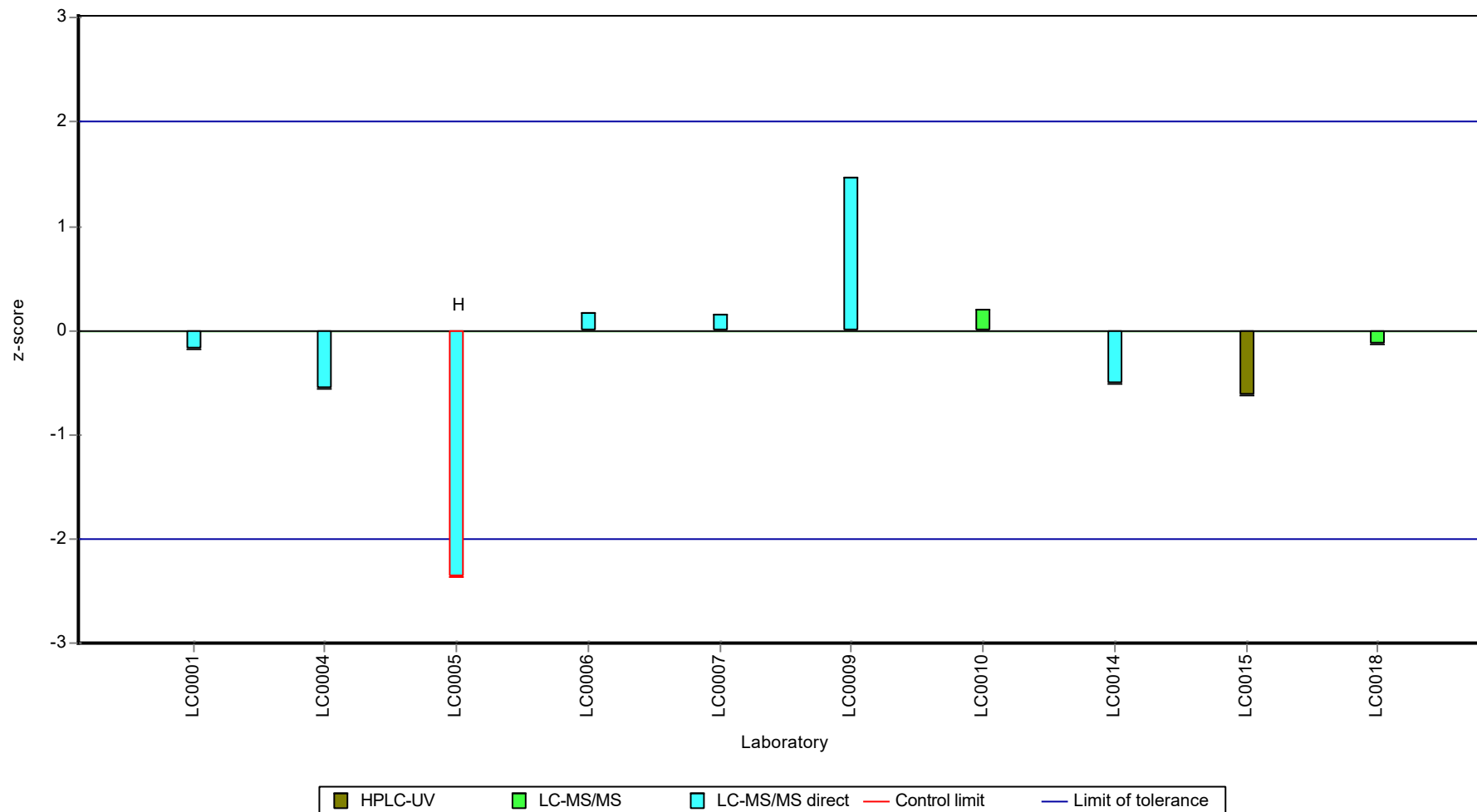
Results



Recovery rate



Z-score



Parameter oriented report

H107 B

s-Metolachlor ethanesulfonic acid (Metolachlor-ESA)

Unit	µg/l
Assigned value ± U (k=2)	0.318 ± 0.0329
Criterion	0.0636 (20 %)
Minimum - Maximum	0.212 - 0.37
Control test value ± U (k=2)	0.335 ± 0.0546

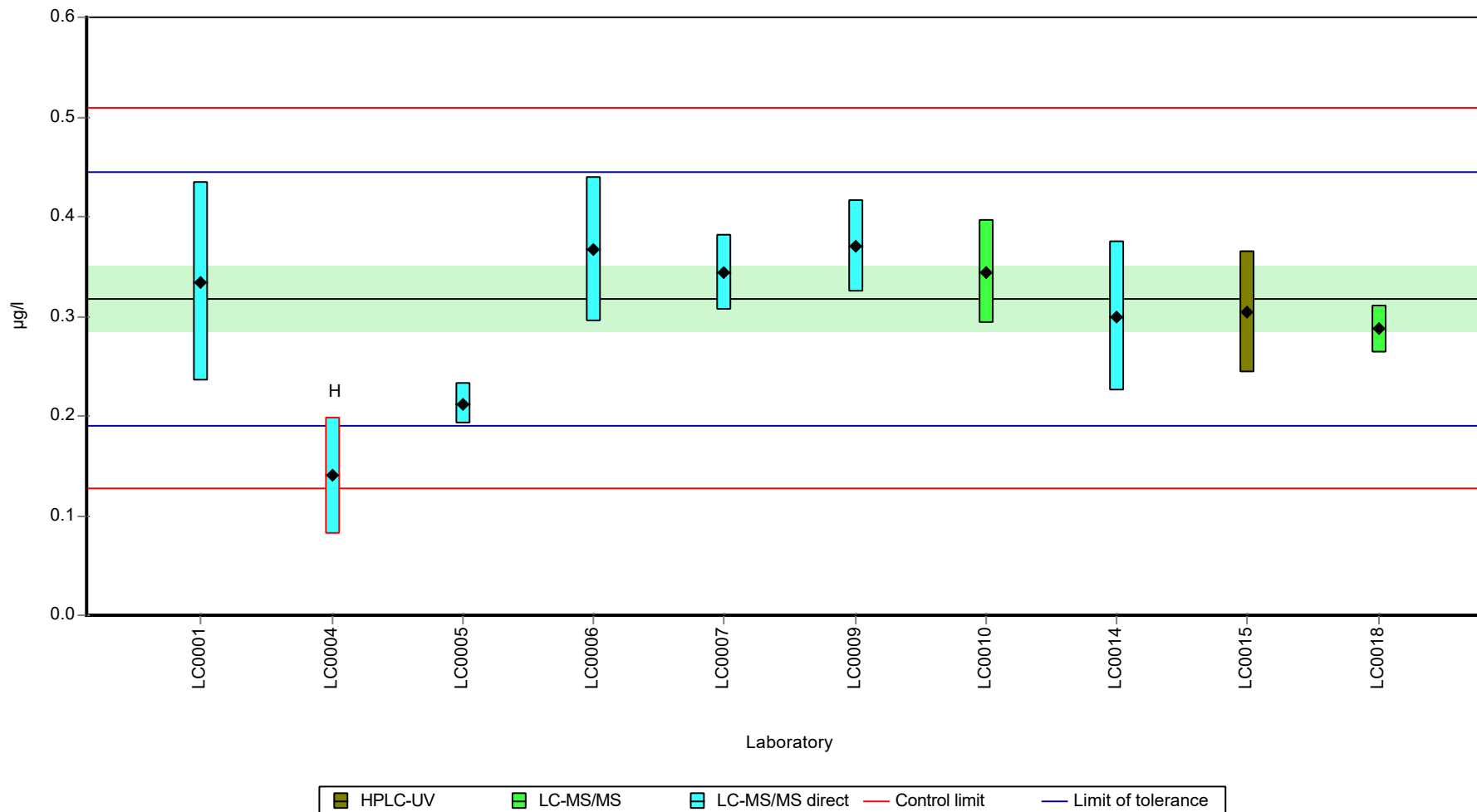
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.334	0.1	105	0.25	
LC0002	-	-	-	-	
LC0003	-	-	-	-	
LC0004	0.14	0.059	44	-2.8	H
LC0005	0.212	0.021	66.7	-1.67	
LC0006	0.367	0.073	115	0.77	
LC0007	0.344	0.038	108	0.41	
LC0008	-	-	-	-	
LC0009	0.37	0.046	116	0.82	
LC0010	0.344	0.052	108	0.41	
LC0011	-	-	-	-	
LC0012	-	-	-	-	
LC0013	-	-	-	-	
LC0014	0.3	0.075	94.3	-0.28	
LC0015	0.304	0.061	95.6	-0.22	
LC0016	-	-	-	-	
LC0017	-	-	-	-	
LC0018	0.287	0.024	90.3	-0.49	

Characteristics of parameter

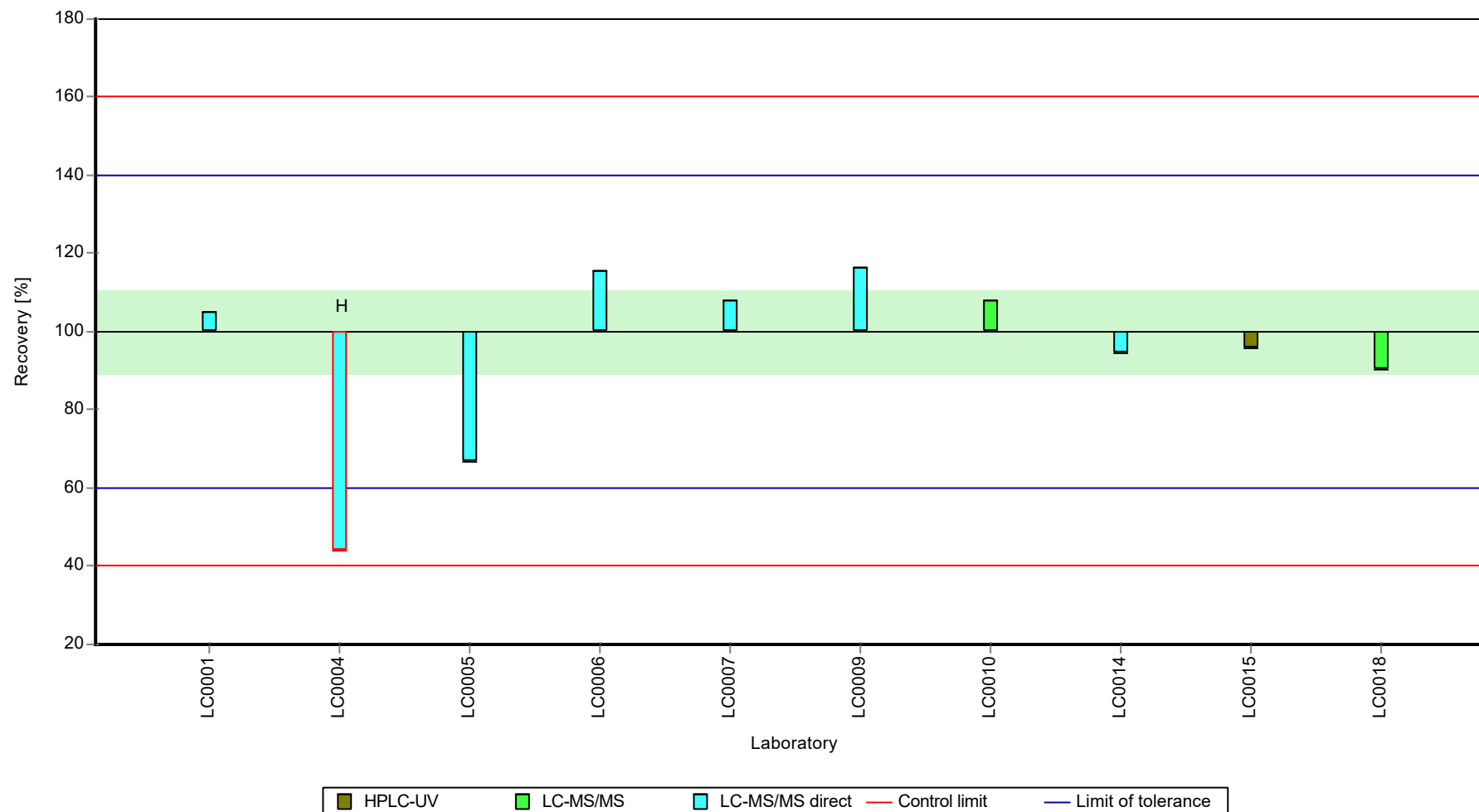
	all results	without outliers	Unit
Mean ± CI (99%)	0.3 ± 0.0692	0.318 ± 0.0493	µg/l
Minimum	0.14	0.212	µg/l
Maximum	0.37	0.37	µg/l
Standard deviation	0.073	0.0493	µg/l
rel. standard deviation	24.3	15.5	%
n	10	9	-

Graphical presentation of results

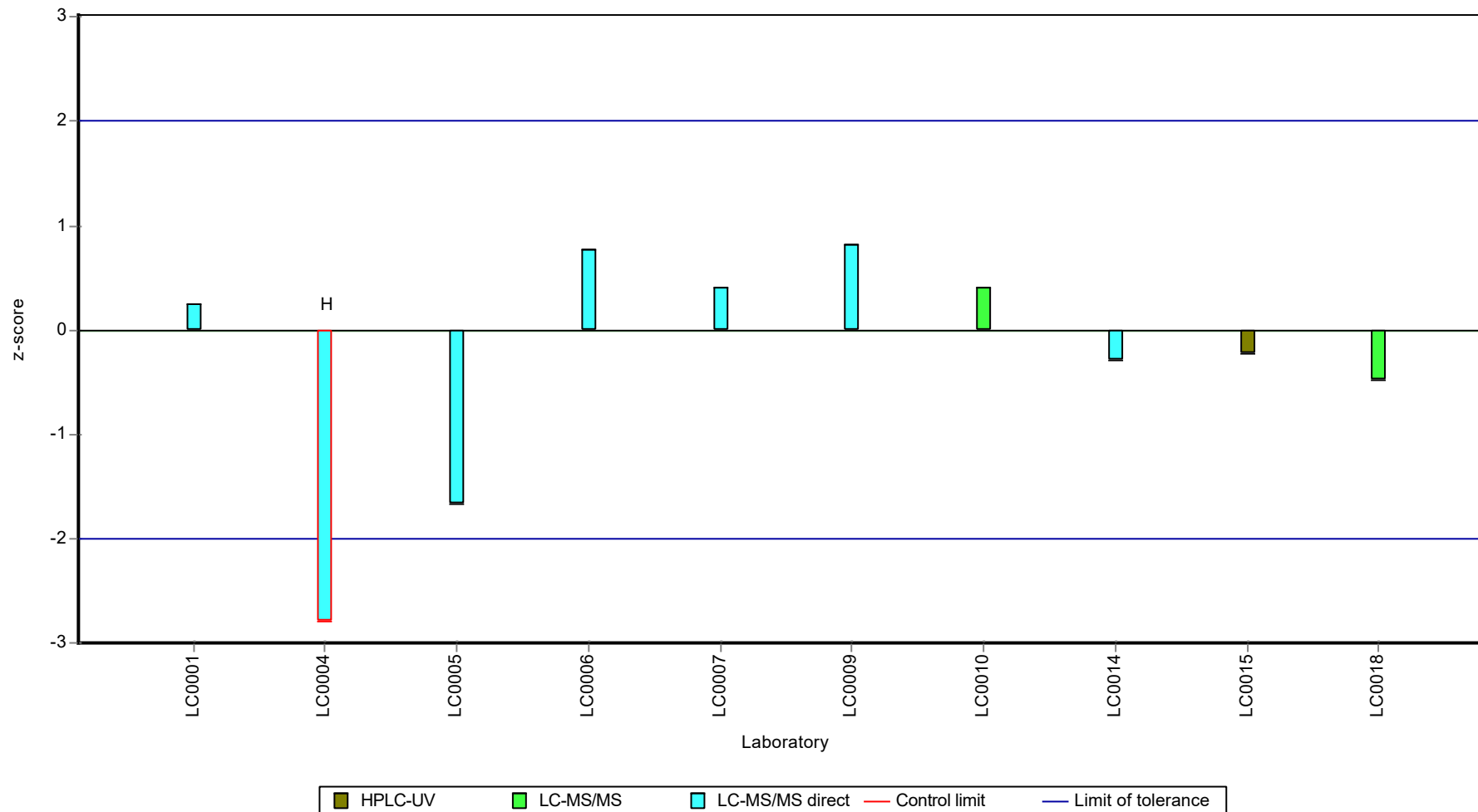
Results



Recovery rate



Z-score



Parameter oriented report

H107 A

s-Metolachlor oxanilic acid (Metolachlor-OA)

Unit	µg/l
Assigned value ± U (k=2)	0.206 ± 0.00504
Criterion	0.0289 (14 %)
Minimum - Maximum	0.197 - 0.217
Control test value ± U (k=2)	0.219 ± 0.022

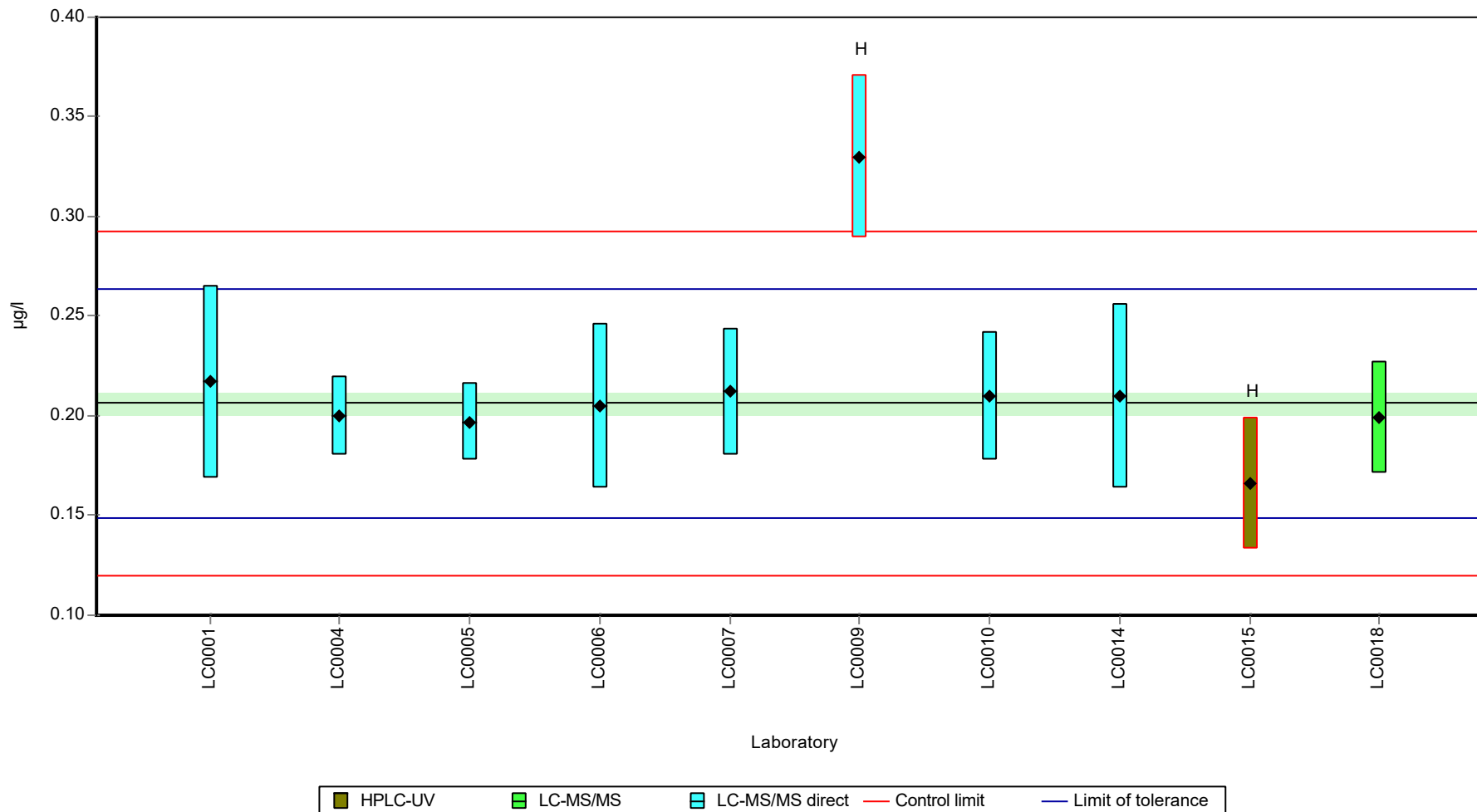
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.217	0.048	105	0.37	
LC0002	-	-	-	-	
LC0003	-	-	-	-	
LC0004	0.2	0.02	97	-0.22	
LC0005	0.197	0.0197	95.5	-0.32	
LC0006	0.205	0.041	99.4	-0.04	
LC0007	0.212	0.032	103	0.2	
LC0008	-	-	-	-	
LC0009	0.33	0.041	160	4.29	H
LC0010	0.21	0.032	102	0.13	
LC0011	-	-	-	-	
LC0012	-	-	-	-	
LC0013	-	-	-	-	
LC0014	0.21	0.046	102	0.13	
LC0015	0.166	0.033	80.5	-1.39	H
LC0016	-	-	-	-	
LC0017	-	-	-	-	
LC0018	0.199	0.028	96.5	-0.25	

Characteristics of parameter

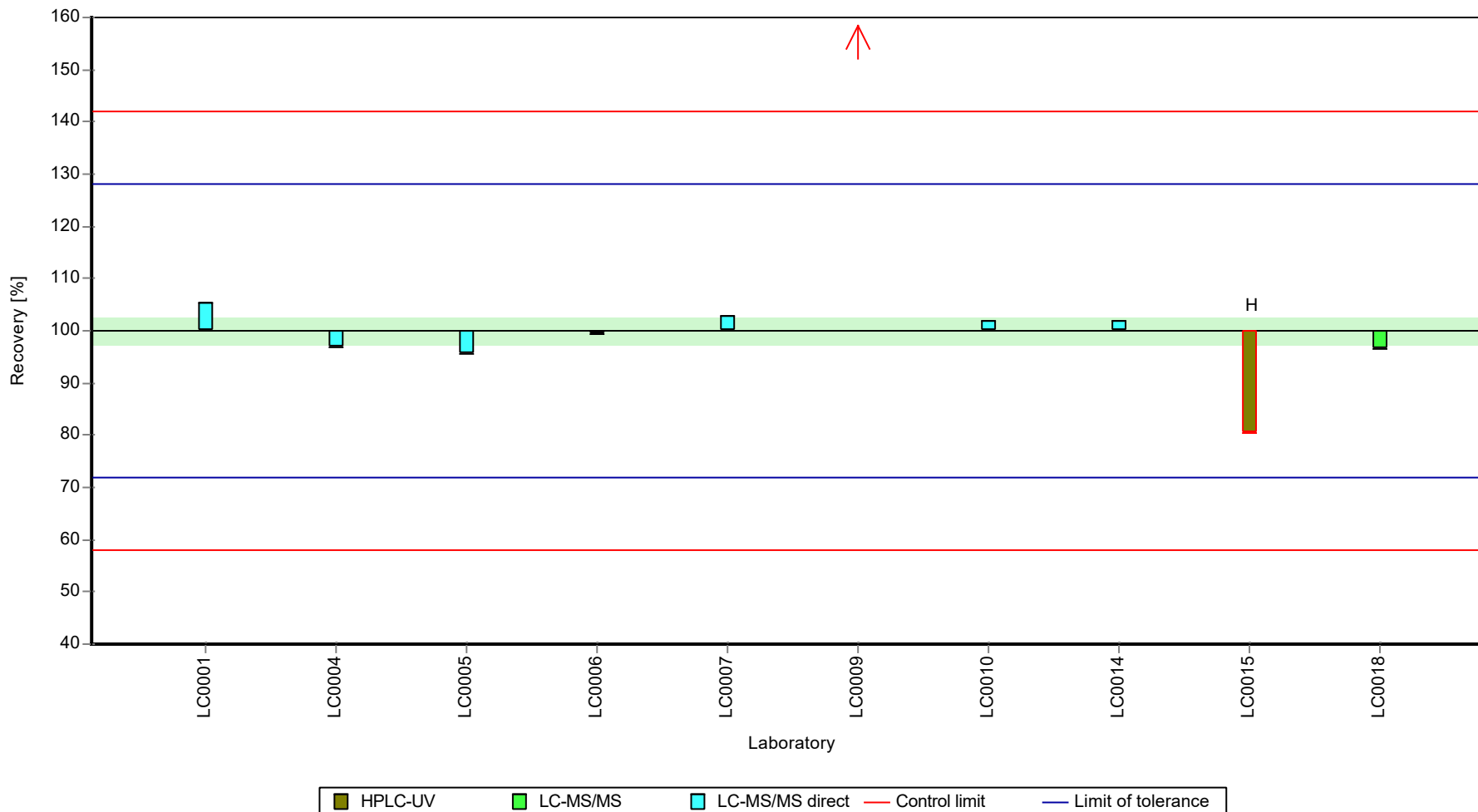
	all results	without outliers	Unit
Mean ± CI (99%)	0.215 ± 0.0407	0.206 ± 0.00756	µg/l
Minimum	0.166	0.197	µg/l
Maximum	0.33	0.217	µg/l
Standard deviation	0.0429	0.00713	µg/l
rel. standard deviation	20	3.46	%
n	10	8	-

Graphical presentation of results

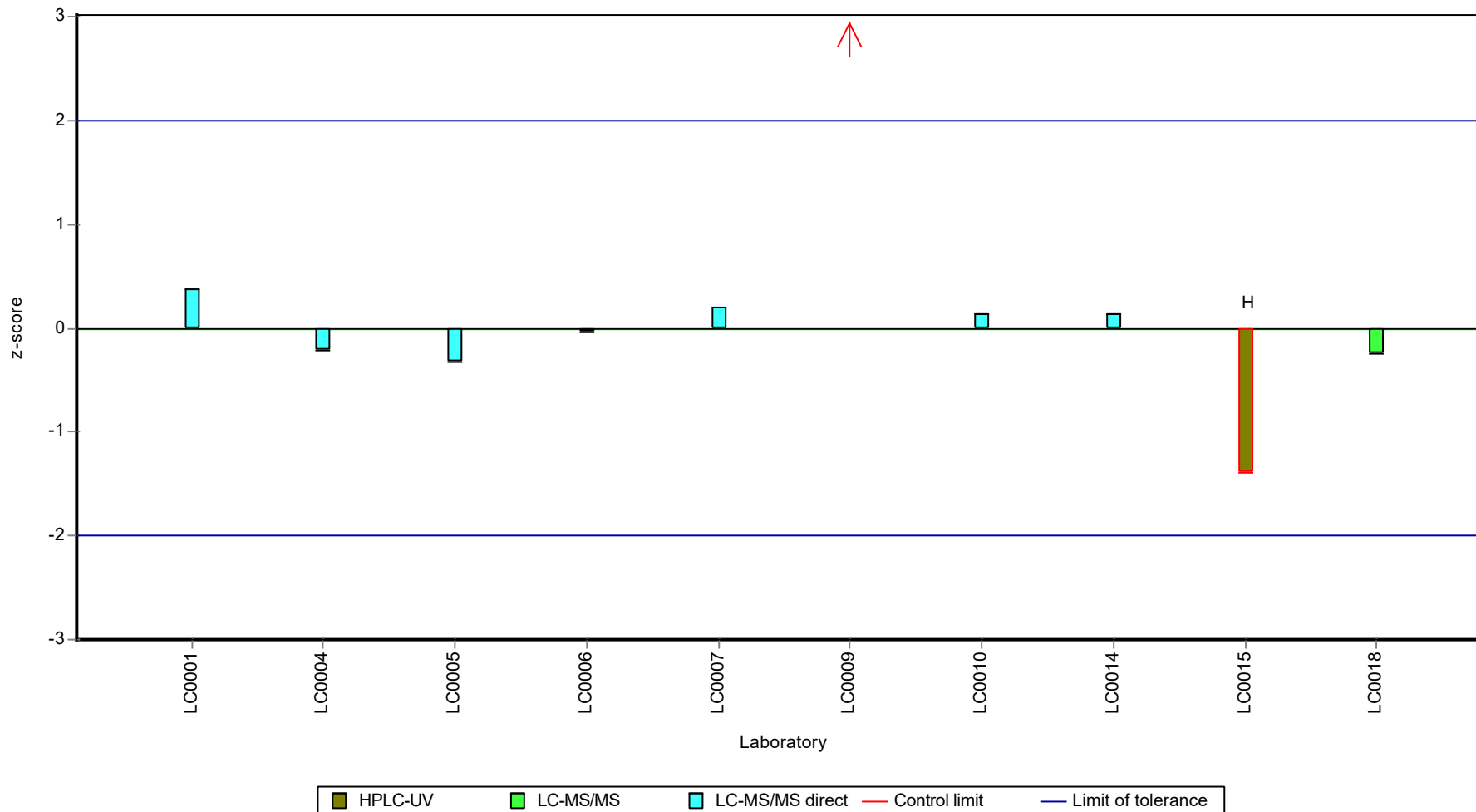
Results



Recovery rate



Z-score



Parameter oriented report

H107 B

s-Metolachlor oxanilic acid (Metolachlor-OA)

Unit	µg/l
Assigned value ± U (k=2)	0.394 ± 0.0167
Criterion	0.0552 (14 %)
Minimum - Maximum	0.356 - 0.431
Control test value ± U (k=2)	0.392 ± 0.0393

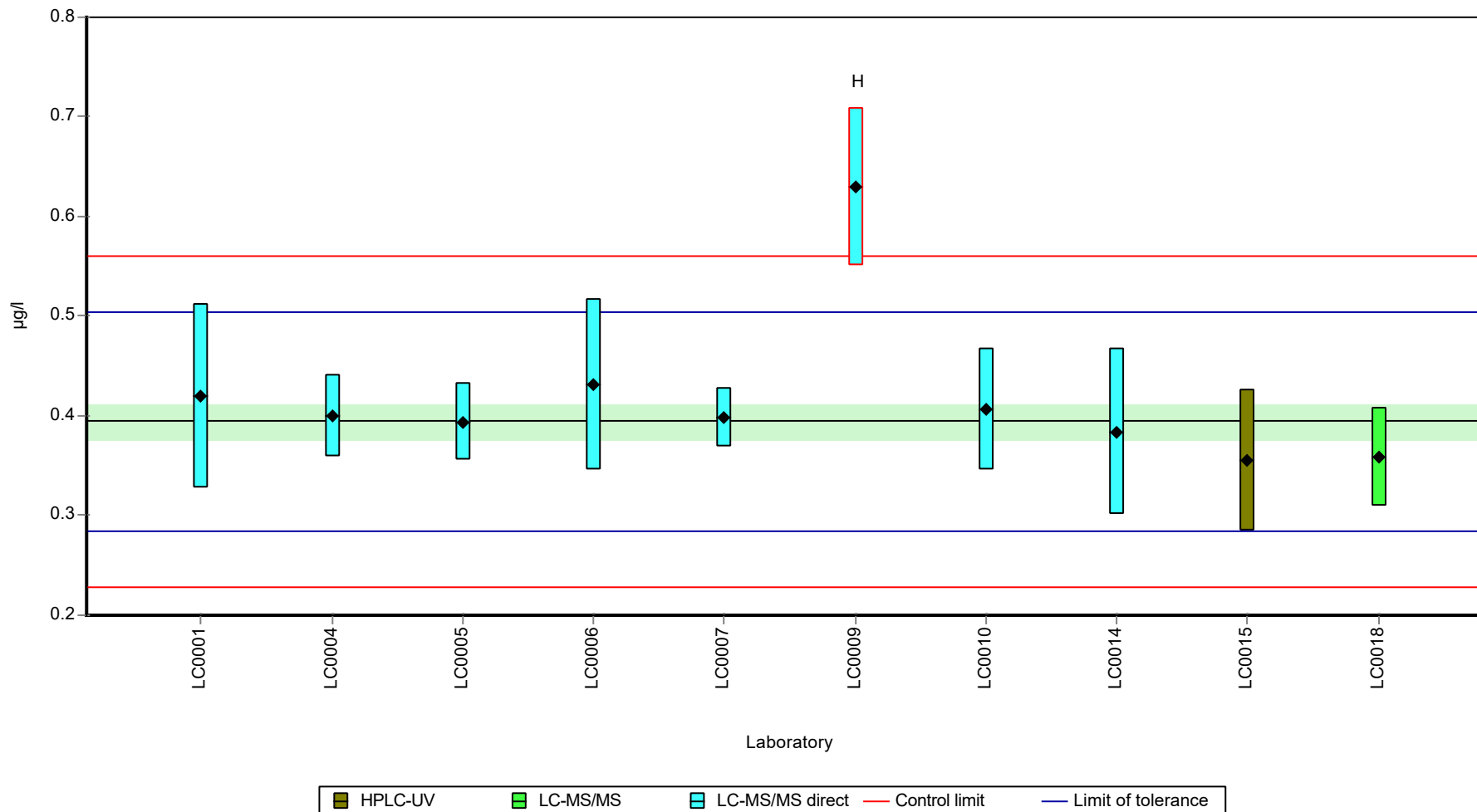
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.42	0.092	107	0.47	
LC0002	-	-	-	-	
LC0003	-	-	-	-	
LC0004	0.4	0.041	101	0.1	
LC0005	0.394	0.039	99.9	-0.01	
LC0006	0.431	0.086	109	0.66	
LC0007	0.398	0.03	101	0.07	
LC0008	-	-	-	-	
LC0009	0.63	0.079	160	4.27	H
LC0010	0.407	0.061	103	0.23	
LC0011	-	-	-	-	
LC0012	-	-	-	-	
LC0013	-	-	-	-	
LC0014	0.384	0.084	97.4	-0.19	
LC0015	0.356	0.071	90.3	-0.69	
LC0016	-	-	-	-	
LC0017	-	-	-	-	
LC0018	0.359	0.05	91	-0.64	

Characteristics of parameter

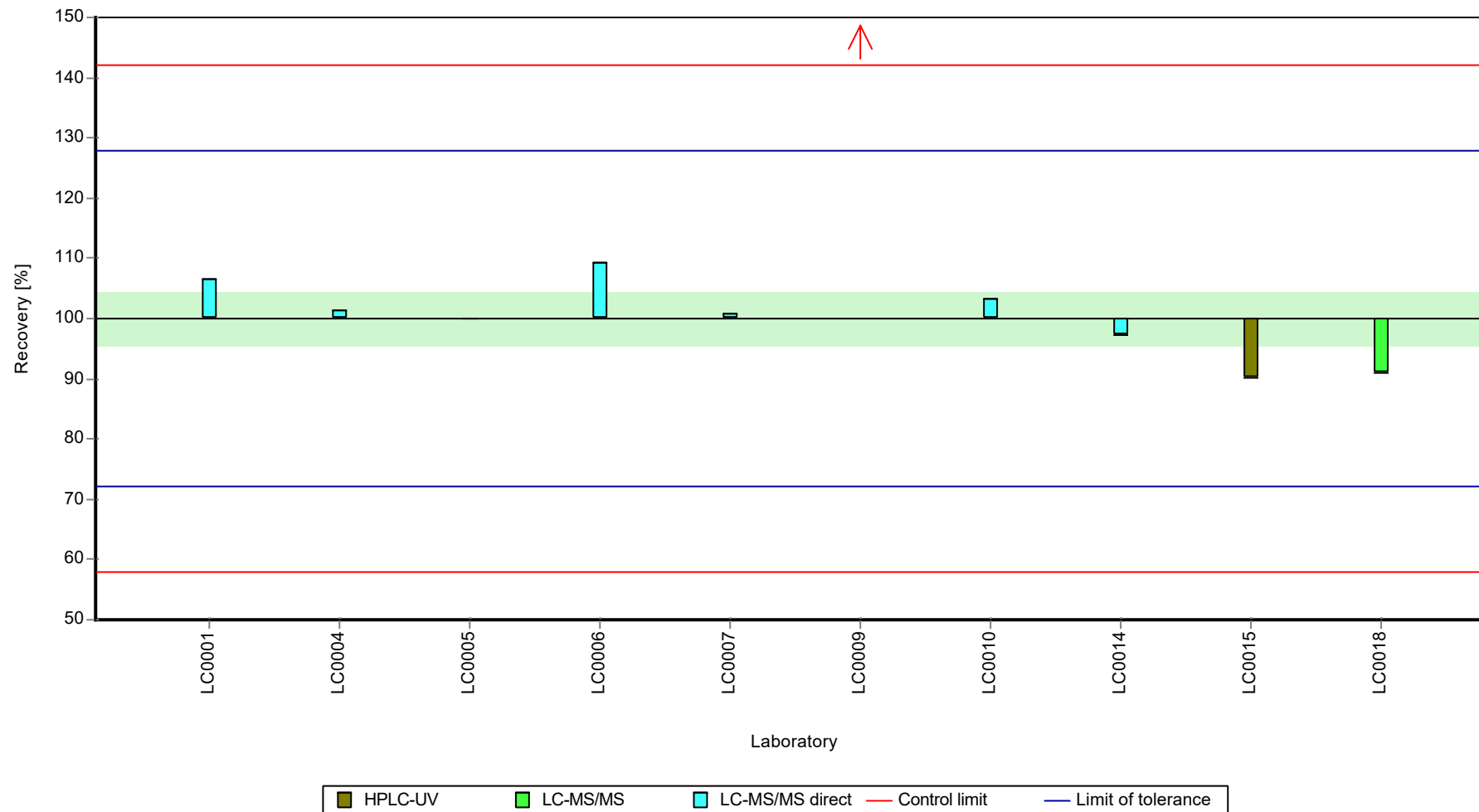
	all results	without outliers	Unit
Mean ± CI (99%)	0.418 ± 0.0742	0.394 ± 0.0251	µg/l
Minimum	0.356	0.356	µg/l
Maximum	0.63	0.431	µg/l
Standard deviation	0.0782	0.0251	µg/l
rel. standard deviation	18.7	6.36	%
n	10	9	-

Graphical presentation of results

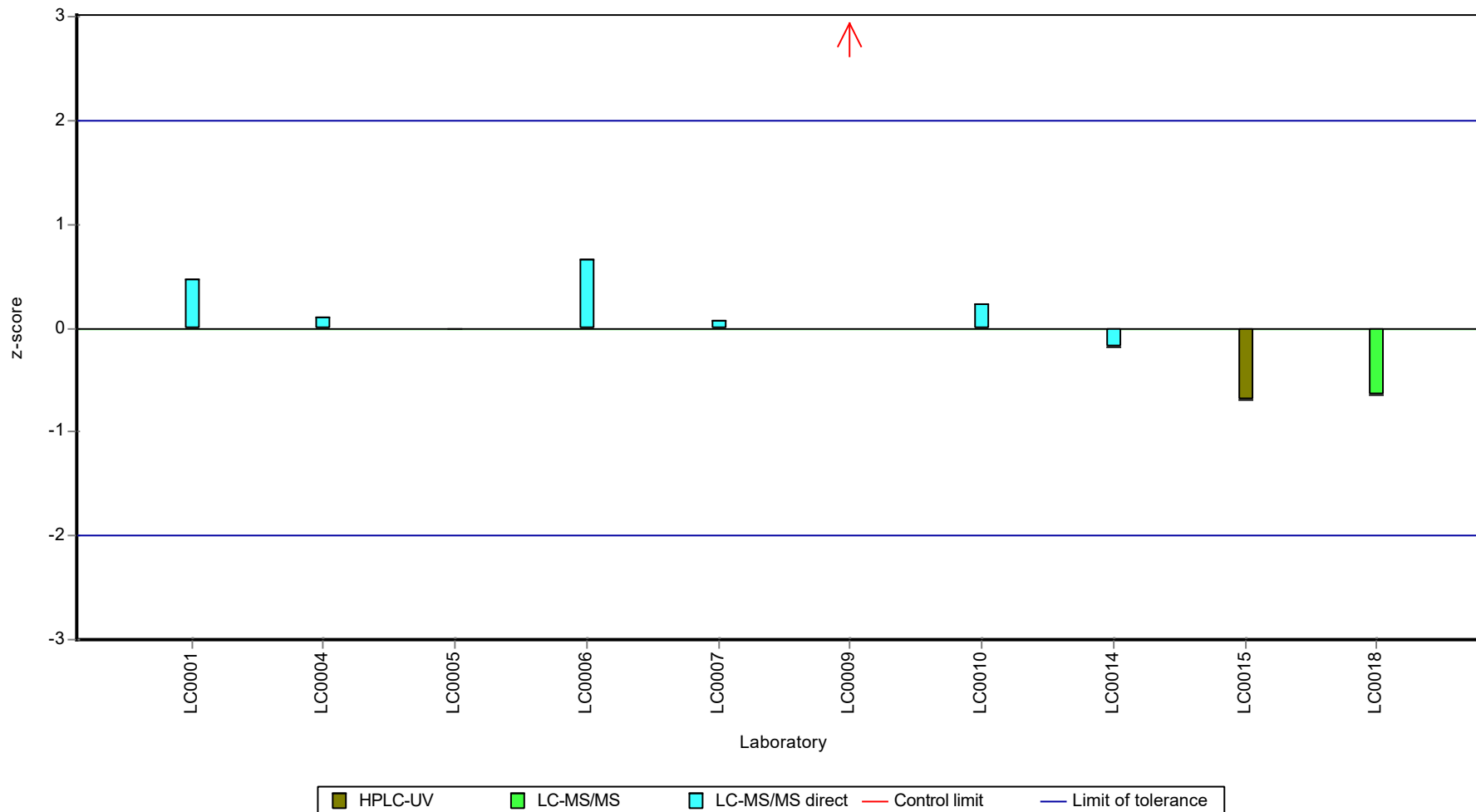
Results



Recovery rate



Z-score



E8. Labororientierte Auswertung / Laboratory oriented report

Die Labororientierte Auswertung ist nach dem Laborcode sortiert.

The laboratory oriented report is sorted by laboratory code.

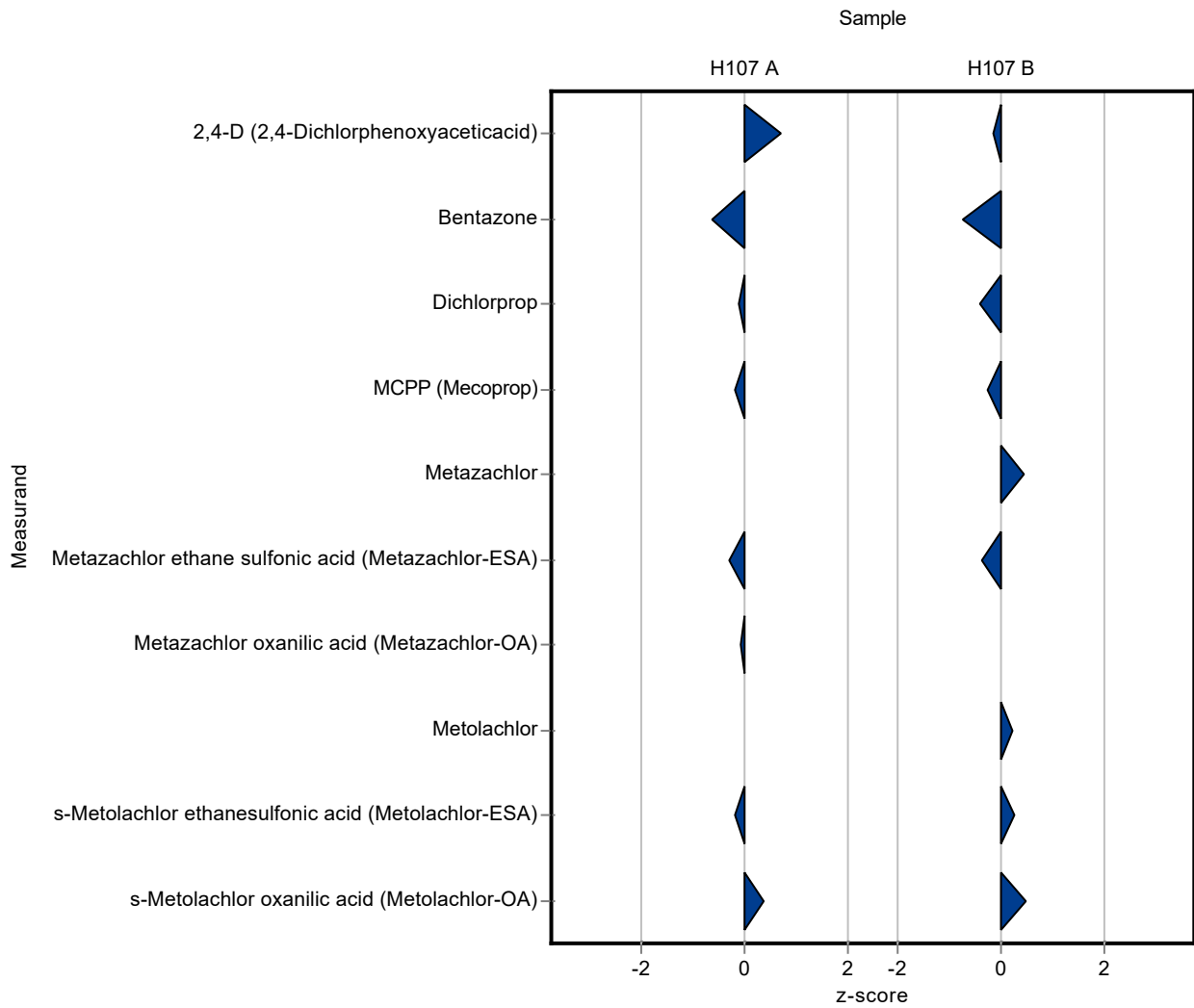
Sample: H107A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
2,4,5-Trichlorophenoxyacetic acid	µg/l	0.71 ± 0.0223	- ± -	0.128	-	-
2,4-D (2,4-Dichlorphenoxyaceticacid)	µg/l	0.472 ± 0.0351	0.52 ± 0.156	0.0661	110	0.72
Alachlor	µg/l	0.746 ± 0.0719	- ± -	0.0895	-	-
Alachlor-t-acid (Alachlor-OA)	µg/l	0.271 ± 0.0693	- ± -	0.0406	-	-
Alachlor-t-sulfonic acid (Alachlor-ESA)	µg/l	0.164 ± 0.0375	- ± -	0.0459	-	-
AMPA	µg/l	- ± -	- ± -	-	-	-
Bentazone	µg/l	0.353 ± 0.0127	0.319 ± 0.083	0.053	90.4	-0.64
Dicamba	µg/l	0.931 ± 0.051	- ± -	0.186	-	-
Dichlorprop	µg/l	0.569 ± 0.0236	0.562 ± 0.135	0.0683	98.8	-0.10
Glufosinate	µg/l	- ± -	- ± -	-	-	-
Glyphosate	µg/l	- ± -	- ± -	-	-	-
MCPP (Mecoprop)	µg/l	0.309 ± 0.012	0.302 ± 0.036	0.0402	97.8	-0.17
Metazachlor	µg/l	- ± -	<0.002 (LOQ) ± -	-	-	-
Metazachlor ethane sulfonic acid (Metazachlor-ESA)	µg/l	0.357 ± 0.0245	0.337 ± 0.074	0.0679	94.4	-0.30
Metazachlor oxanilic acid (Metazachlor-OA)	µg/l	0.304 ± 0.0331	0.301 ± 0.045	0.0639	98.9	-0.05
Metolachlor	µg/l	- ± -	<0.002 (LOQ) ± -	-	-	-
s-Metolachlor ethanesulfonic acid (Metolachlor-ESA)	µg/l	0.394 ± 0.0335	0.38 ± 0.114	0.0788	96.4	-0.18
s-Metolachlor oxanilic acid (Metolachlor-OA)	µg/l	0.206 ± 0.00504	0.217 ± 0.048	0.0289	105	0.37

Sample: H107B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
2,4,5-Trichlorophenoxyacetic acid	µg/l	0.443 ± 0.0161	- ± -	0.0798	-	-
2,4-D (2,4-Dichlorphenoxyaceticacid)	µg/l	0.323 ± 0.00337	0.316 ± 0.095	0.0452	97.8	-0.16
Alachlor	µg/l	0.424 ± 0.0538	- ± -	0.0508	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alachlor-t-acid (Alachlor-OA)	µg/l	0.564 ± 0.134	- ± -	0.0846	-	-
Alachlor-t-sulfonic acid (Alachlor-ESA)	µg/l	- ± -	- ± -	-	-	-
AMPA	µg/l	0.184 ± 0.0175	- ± -	0.0239	-	-
Bentazone	µg/l	0.285 ± 0.0158	0.253 ± 0.066	0.0427	88.9	-0.74
Dicamba	µg/l	0.468 ± 0.0149	- ± -	0.0936	-	-
Dichlorprop	µg/l	0.223 ± 0.00566	0.212 ± 0.051	0.0267	95.2	-0.40
Glufosinate	µg/l	- ± -	- ± -	-	-	-
Glyphosate	µg/l	0.247 ± 0.0123	- ± -	0.0495	-	-
MCP (Mecoprop)	µg/l	0.322 ± 0.017	0.311 ± 0.037	0.0419	96.5	-0.27
Metazachlor	µg/l	0.476 ± 0.0236	0.5 ± 0.065	0.0571	105	0.43
Metazachlor ethane sulfonic acid (Metazachlor-ESA)	µg/l	0.136 ± 0.00969	0.126 ± 0.028	0.0258	92.8	-0.38
Metazachlor oxanilic acid (Metazachlor-OA)	µg/l	- ± -	<0.006 (LOQ) ± -	-	-	-
Metolachlor	µg/l	0.513 ± 0.0147	0.53 ± 0.085	0.077	103	0.22
s-Metolachlor ethanesulfonic acid (Metolachlor-ESA)	µg/l	0.318 ± 0.0329	0.334 ± 0.1	0.0636	105	0.25
s-Metolachlor oxanilic acid (Metolachlor-OA)	µg/l	0.394 ± 0.0167	0.42 ± 0.092	0.0552	107	0.47



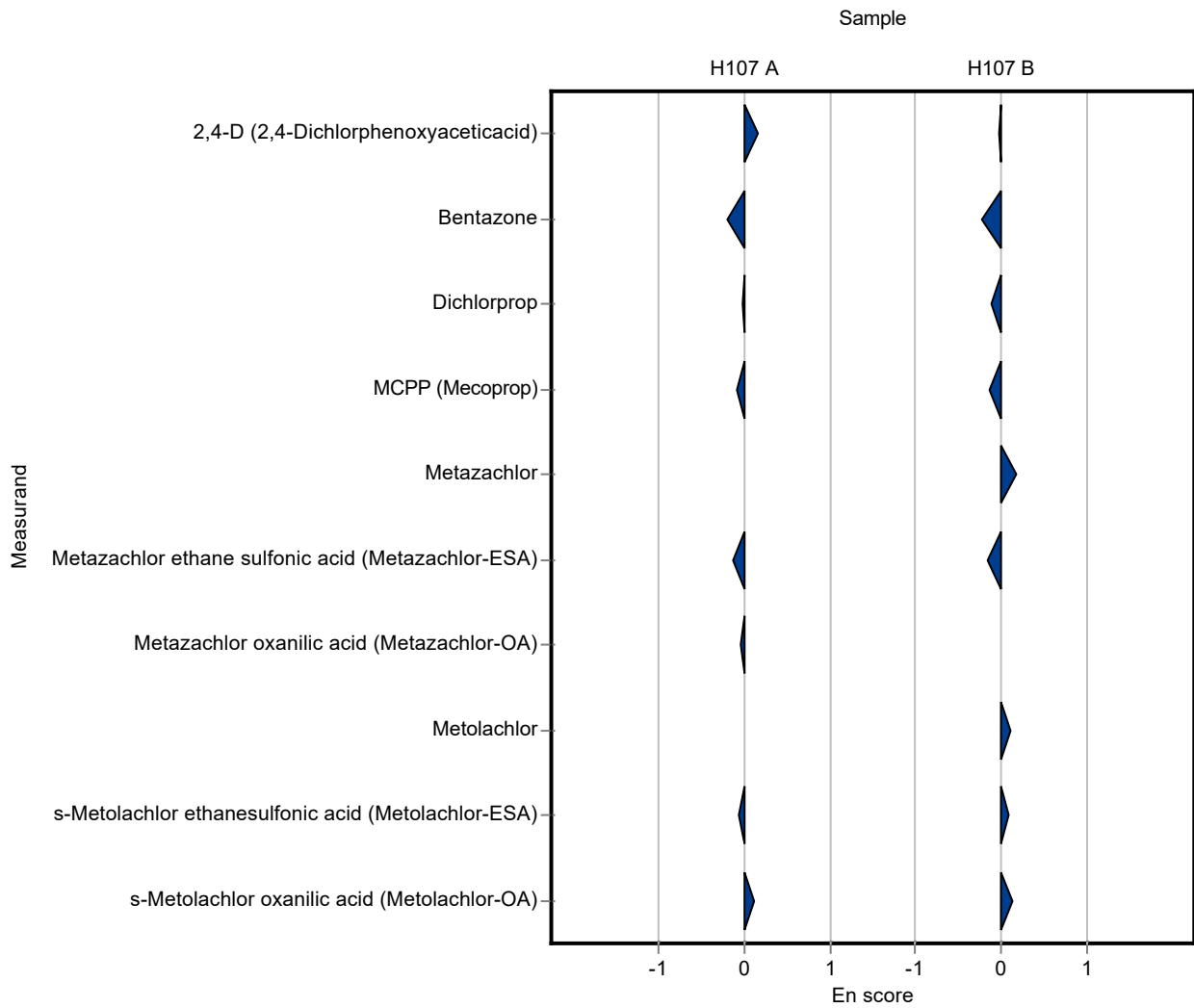
Sample: H107A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
2,4,5-Trichlorophenoxyacetic acid	µg/l	0.71 ± 0.0223	- ± -	0.128	-	-
2,4-D (2,4-Dichlorphenoxyaceticacid)	µg/l	0.472 ± 0.0351	0.52 ± 0.156	0.0661	110	0.15
Alachlor	µg/l	0.746 ± 0.0719	- ± -	0.0895	-	-
Alachlor-t-acid (Alachlor-OA)	µg/l	0.271 ± 0.0693	- ± -	0.0406	-	-
Alachlor-t-sulfonic acid (Alachlor-ESA)	µg/l	0.164 ± 0.0375	- ± -	0.0459	-	-
AMPA	µg/l	- ± -	- ± -	-	-	-
Bentazone	µg/l	0.353 ± 0.0127	0.319 ± 0.083	0.053	90.4	-0.20
Dicamba	µg/l	0.931 ± 0.051	- ± -	0.186	-	-
Dichlorprop	µg/l	0.569 ± 0.0236	0.562 ± 0.135	0.0683	98.8	-0.03
Glufosinate	µg/l	- ± -	- ± -	-	-	-
Glyphosate	µg/l	- ± -	- ± -	-	-	-
MCPP (Mecoprop)	µg/l	0.309 ± 0.012	0.302 ± 0.036	0.0402	97.8	-0.09
Metazachlor	µg/l	- ± -	<0.002 (LOQ) ± -	-	-	-
Metazachlor ethane sulfonic acid (Metazachlor-ESA)	µg/l	0.357 ± 0.0245	0.337 ± 0.074	0.0679	94.4	-0.13
Metazachlor oxanilic acid (Metazachlor-OA)	µg/l	0.304 ± 0.0331	0.301 ± 0.045	0.0639	98.9	-0.04
Metolachlor	µg/l	- ± -	<0.002 (LOQ) ± -	-	-	-
s-Metolachlor ethanesulfonic acid (Metolachlor-ESA)	µg/l	0.394 ± 0.0335	0.38 ± 0.114	0.0788	96.4	-0.06
s-Metolachlor oxanilic acid (Metolachlor-OA)	µg/l	0.206 ± 0.00504	0.217 ± 0.048	0.0289	105	0.11

Sample: H107B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
2,4,5-Trichlorophenoxyacetic acid	µg/l	0.443 ± 0.0161	- ± -	0.0798	-	-
2,4-D (2,4-Dichlorphenoxyaceticacid)	µg/l	0.323 ± 0.00337	0.316 ± 0.095	0.0452	97.8	-0.04
Alachlor	µg/l	0.424 ± 0.0538	- ± -	0.0508	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alachlor-t-acid (Alachlor-OA)	µg/l	0.564 ± 0.134	- ± -	0.0846	-	-
Alachlor-t-sulfonic acid (Alachlor-ESA)	µg/l	- ± -	- ± -	-	-	-
AMPA	µg/l	0.184 ± 0.0175	- ± -	0.0239	-	-
Bentazone	µg/l	0.285 ± 0.0158	0.253 ± 0.066	0.0427	88.9	-0.24
Dicamba	µg/l	0.468 ± 0.0149	- ± -	0.0936	-	-
Dichlorprop	µg/l	0.223 ± 0.00566	0.212 ± 0.051	0.0267	95.2	-0.11
Glufosinate	µg/l	- ± -	- ± -	-	-	-
Glyphosate	µg/l	0.247 ± 0.0123	- ± -	0.0495	-	-
MCP (Mecoprop)	µg/l	0.322 ± 0.017	0.311 ± 0.037	0.0419	96.5	-0.15
Metazachlor	µg/l	0.476 ± 0.0236	0.5 ± 0.065	0.0571	105	0.18
Metazachlor ethane sulfonic acid (Metazachlor-ESA)	µg/l	0.136 ± 0.00969	0.126 ± 0.028	0.0258	92.8	-0.17
Metazachlor oxanilic acid (Metazachlor-OA)	µg/l	- ± -	<0.006 (LOQ) ± -	-	-	-
Metolachlor	µg/l	0.513 ± 0.0147	0.53 ± 0.085	0.077	103	0.10
s-Metolachlor ethanesulfonic acid (Metolachlor-ESA)	µg/l	0.318 ± 0.0329	0.334 ± 0.1	0.0636	105	0.08
s-Metolachlor oxanilic acid (Metolachlor-OA)	µg/l	0.394 ± 0.0167	0.42 ± 0.092	0.0552	107	0.14



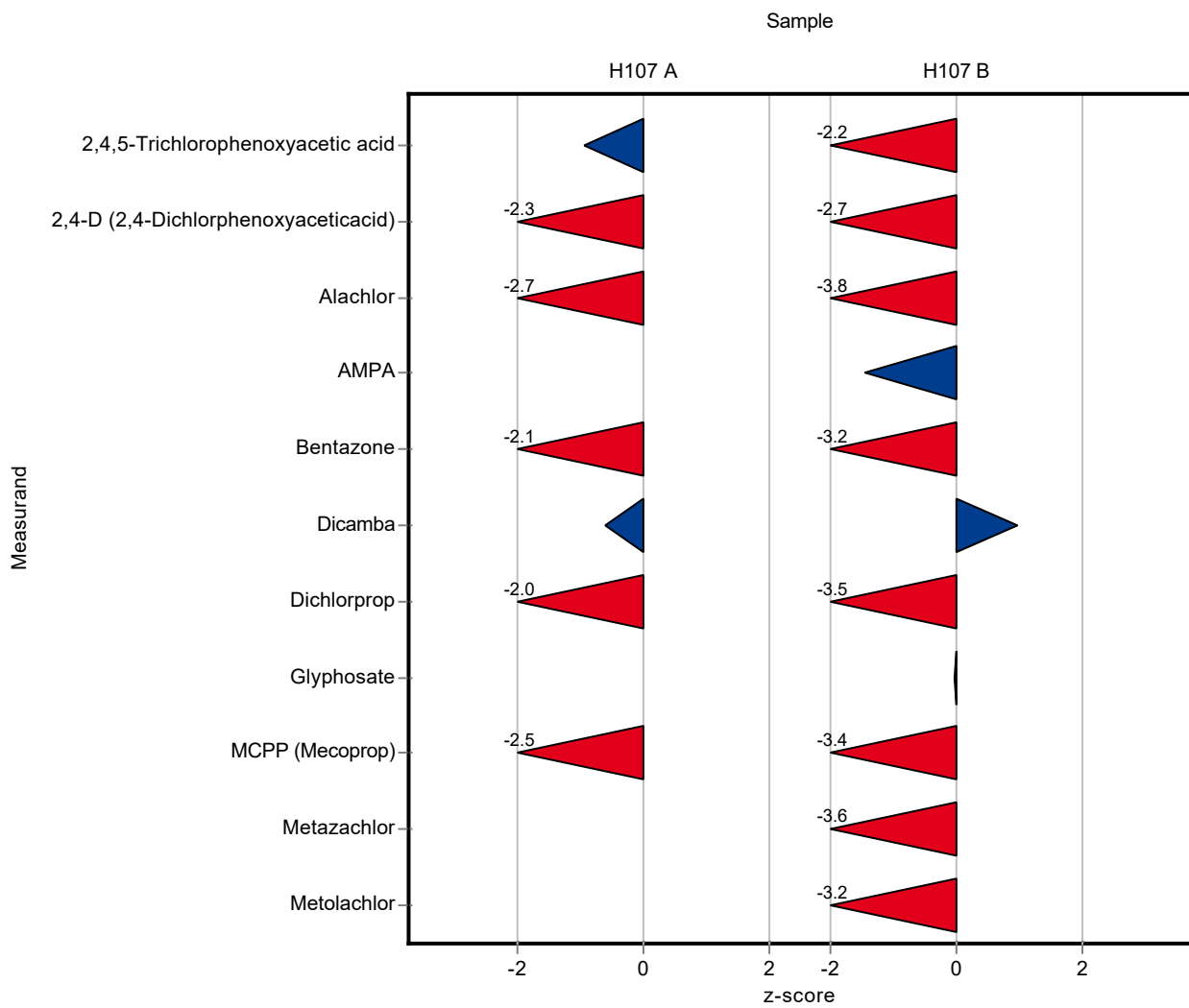
Sample: H107A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
2,4,5-Trichlorophenoxyacetic acid	µg/l	0.71 ± 0.0223	0.59 ± 0.01	0.128	83.1	-0.94
2,4-D (2,4-Dichlorphenoxyaceticacid)	µg/l	0.472 ± 0.0351	0.32 ± 0.02	0.0661	67.8	-2.30
Alachlor	µg/l	0.746 ± 0.0719	0.5 ± 0.04	0.0895	67	-2.75
Alachlor-t-acid (Alachlor-OA)	µg/l	0.271 ± 0.0693	- ± -	0.0406	-	-
Alachlor-t-sulfonic acid (Alachlor-ESA)	µg/l	0.164 ± 0.0375	- ± -	0.0459	-	-
AMPA	µg/l	- ± -	<0.1 (LOQ) ± -	-	-	-
Bentazone	µg/l	0.353 ± 0.0127	0.24 ± 0.02	0.053	68	-2.13
Dicamba	µg/l	0.931 ± 0.051	0.82 ± 0.03	0.186	88.1	-0.60
Dichlorprop	µg/l	0.569 ± 0.0236	0.43 ± 0.01	0.0683	75.6	-2.04
Glufosinate	µg/l	- ± -	- ± -	-	-	-
Glyphosate	µg/l	- ± -	<0.1 (LOQ) ± -	-	-	-
MCPP (Mecoprop)	µg/l	0.309 ± 0.012	0.21 ± 0.03	0.0402	68	-2.46
Metazachlor	µg/l	- ± -	<0.01 (LOQ) ± -	-	-	-
Metazachlor ethane sulfonic acid (Metazachlor-ESA)	µg/l	0.357 ± 0.0245	- ± -	0.0679	-	-
Metazachlor oxanilic acid (Metazachlor-OA)	µg/l	0.304 ± 0.0331	- ± -	0.0639	-	-
Metolachlor	µg/l	- ± -	<0.01 (LOQ) ± -	-	-	-
s-Metolachlor ethanesulfonic acid (Metolachlor-ESA)	µg/l	0.394 ± 0.0335	- ± -	0.0788	-	-
s-Metolachlor oxanilic acid (Metolachlor-OA)	µg/l	0.206 ± 0.00504	- ± -	0.0289	-	-

Sample: H107B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
2,4,5-Trichlorophenoxyacetic acid	µg/l	0.443 ± 0.0161	0.27 ± 0.01	0.0798	60.9	-2.17
2,4-D (2,4-Dichlorphenoxyaceticacid)	µg/l	0.323 ± 0.00337	0.2 ± 0.02	0.0452	61.9	-2.72
Alachlor	µg/l	0.424 ± 0.0538	0.23 ± 0.04	0.0508	54.3	-3.81

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alachlor-t-acid (Alachlor-OA)	µg/l	0.564 ± 0.134	- ± -	0.0846	-	-
Alachlor-t-sulfonic acid (Alachlor-ESA)	µg/l	- ± -	- ± -	-	-	-
AMPA	µg/l	0.184 ± 0.0175	0.149 ± 0.018	0.0239	81.1	-1.45
Bentazone	µg/l	0.285 ± 0.0158	0.15 ± 0.02	0.0427	52.7	-3.15
Dicamba	µg/l	0.468 ± 0.0149	0.56 ± 0.03	0.0936	120	0.99
Dichlorprop	µg/l	0.223 ± 0.00566	0.13 ± 0.01	0.0267	58.3	-3.47
Glufosinate	µg/l	- ± -	- ± -	-	-	-
Glyphosate	µg/l	0.247 ± 0.0123	0.246 ± 0.011	0.0495	99.4	-0.03
MCPP (Mecoprop)	µg/l	0.322 ± 0.017	0.18 ± 0.03	0.0419	55.9	-3.39
Metazachlor	µg/l	0.476 ± 0.0236	0.27 ± 0.03	0.0571	56.8	-3.60
Metazachlor ethane sulfonic acid (Metazachlor-ESA)	µg/l	0.136 ± 0.00969	- ± -	0.0258	-	-
Metazachlor oxanilic acid (Metazachlor-OA)	µg/l	- ± -	- ± -	-	-	-
Metolachlor	µg/l	0.513 ± 0.0147	0.27 ± 0.01	0.077	52.6	-3.16
s-Metolachlor ethanesulfonic acid (Metolachlor-ESA)	µg/l	0.318 ± 0.0329	- ± -	0.0636	-	-
s-Metolachlor oxanilic acid (Metolachlor-OA)	µg/l	0.394 ± 0.0167	- ± -	0.0552	-	-



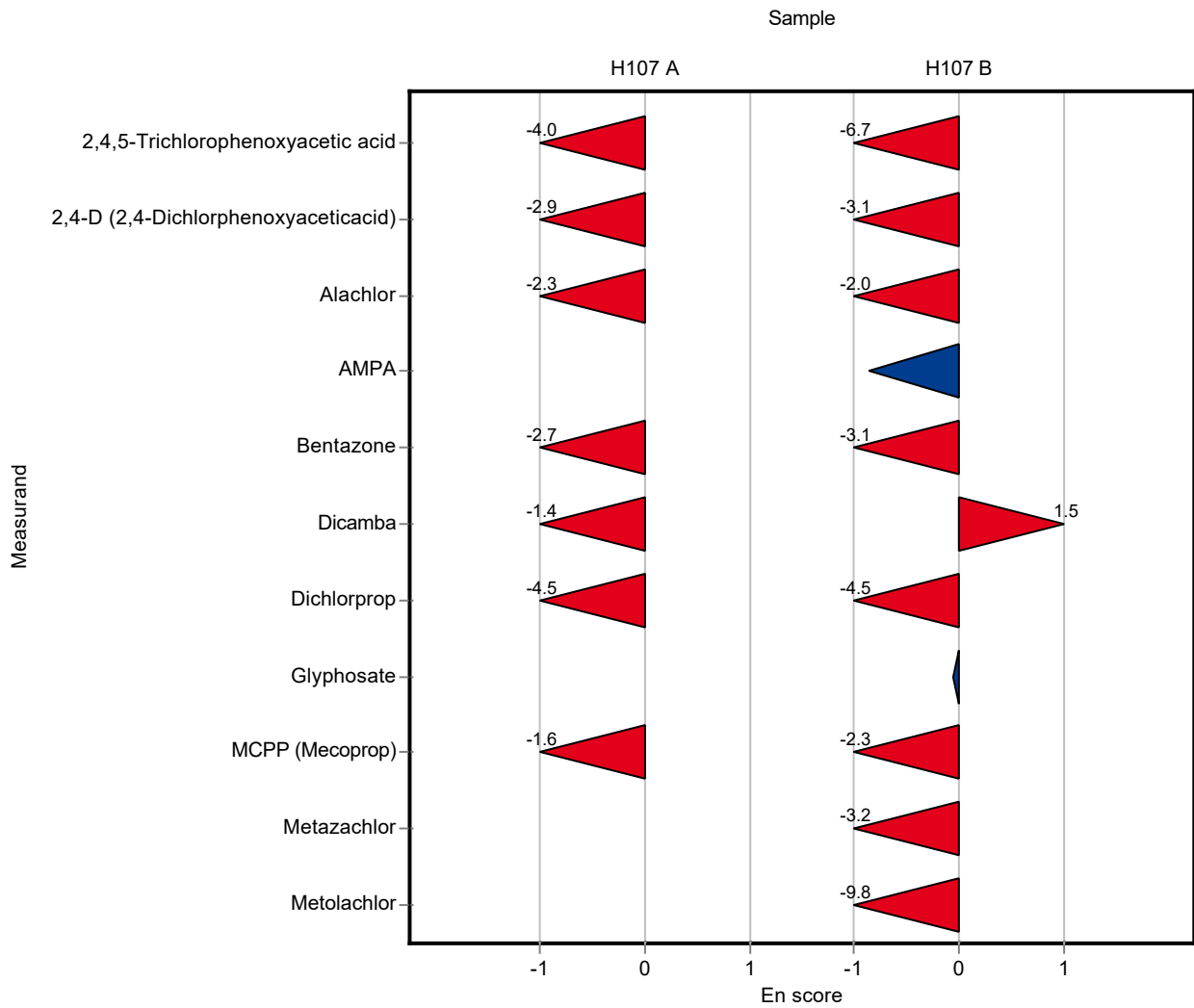
Sample: H107A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
2,4,5-Trichlorophenoxyacetic acid	µg/l	0.71 ± 0.0223	0.59 ± 0.01	0.128	83.1	-4.01
2,4-D (2,4-Dichlorphenoxyaceticacid)	µg/l	0.472 ± 0.0351	0.32 ± 0.02	0.0661	67.8	-2.86
Alachlor	µg/l	0.746 ± 0.0719	0.5 ± 0.04	0.0895	67	-2.29
Alachlor-t-acid (Alachlor-OA)	µg/l	0.271 ± 0.0693	- ± -	0.0406	-	-
Alachlor-t-sulfonic acid (Alachlor-ESA)	µg/l	0.164 ± 0.0375	- ± -	0.0459	-	-
AMPA	µg/l	- ± -	<0.1 (LOQ) ± -	-	-	-
Bentazone	µg/l	0.353 ± 0.0127	0.24 ± 0.02	0.053	68	-2.69
Dicamba	µg/l	0.931 ± 0.051	0.82 ± 0.03	0.186	88.1	-1.41
Dichlorprop	µg/l	0.569 ± 0.0236	0.43 ± 0.01	0.0683	75.6	-4.50
Glufosinate	µg/l	- ± -	- ± -	-	-	-
Glyphosate	µg/l	- ± -	<0.1 (LOQ) ± -	-	-	-
MCPP (Mecoprop)	µg/l	0.309 ± 0.012	0.21 ± 0.03	0.0402	68	-1.62
Metazachlor	µg/l	- ± -	<0.01 (LOQ) ± -	-	-	-
Metazachlor ethane sulfonic acid (Metazachlor-ESA)	µg/l	0.357 ± 0.0245	- ± -	0.0679	-	-
Metazachlor oxanilic acid (Metazachlor-OA)	µg/l	0.304 ± 0.0331	- ± -	0.0639	-	-
Metolachlor	µg/l	- ± -	<0.01 (LOQ) ± -	-	-	-
s-Metolachlor ethanesulfonic acid (Metolachlor-ESA)	µg/l	0.394 ± 0.0335	- ± -	0.0788	-	-
s-Metolachlor oxanilic acid (Metolachlor-OA)	µg/l	0.206 ± 0.00504	- ± -	0.0289	-	-

Sample: H107B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
2,4,5-Trichlorophenoxyacetic acid	µg/l	0.443 ± 0.0161	0.27 ± 0.01	0.0798	60.9	-6.73
2,4-D (2,4-Dichlorphenoxyaceticacid)	µg/l	0.323 ± 0.00337	0.2 ± 0.02	0.0452	61.9	-3.07
Alachlor	µg/l	0.424 ± 0.0538	0.23 ± 0.04	0.0508	54.3	-2.01

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alachlor-t-acid (Alachlor-OA)	µg/l	0.564 ± 0.134	- ± -	0.0846	-	-
Alachlor-t-sulfonic acid (Alachlor-ESA)	µg/l	- ± -	- ± -	-	-	-
AMPA	µg/l	0.184 ± 0.0175	0.149 ± 0.018	0.0239	81.1	-0.87
Bentazone	µg/l	0.285 ± 0.0158	0.15 ± 0.02	0.0427	52.7	-3.13
Dicamba	µg/l	0.468 ± 0.0149	0.56 ± 0.03	0.0936	120	1.49
Dichlorprop	µg/l	0.223 ± 0.00566	0.13 ± 0.01	0.0267	58.3	-4.46
Glufosinate	µg/l	- ± -	- ± -	-	-	-
Glyphosate	µg/l	0.247 ± 0.0123	0.246 ± 0.011	0.0495	99.4	-0.06
MCPP (Mecoprop)	µg/l	0.322 ± 0.017	0.18 ± 0.03	0.0419	55.9	-2.28
Metazachlor	µg/l	0.476 ± 0.0236	0.27 ± 0.03	0.0571	56.8	-3.19
Metazachlor ethane sulfonic acid (Metazachlor-ESA)	µg/l	0.136 ± 0.00969	- ± -	0.0258	-	-
Metazachlor oxanilic acid (Metazachlor-OA)	µg/l	- ± -	- ± -	-	-	-
Metolachlor	µg/l	0.513 ± 0.0147	0.27 ± 0.01	0.077	52.6	-9.78
s-Metolachlor ethanesulfonic acid (Metolachlor-ESA)	µg/l	0.318 ± 0.0329	- ± -	0.0636	-	-
s-Metolachlor oxanilic acid (Metolachlor-OA)	µg/l	0.394 ± 0.0167	- ± -	0.0552	-	-



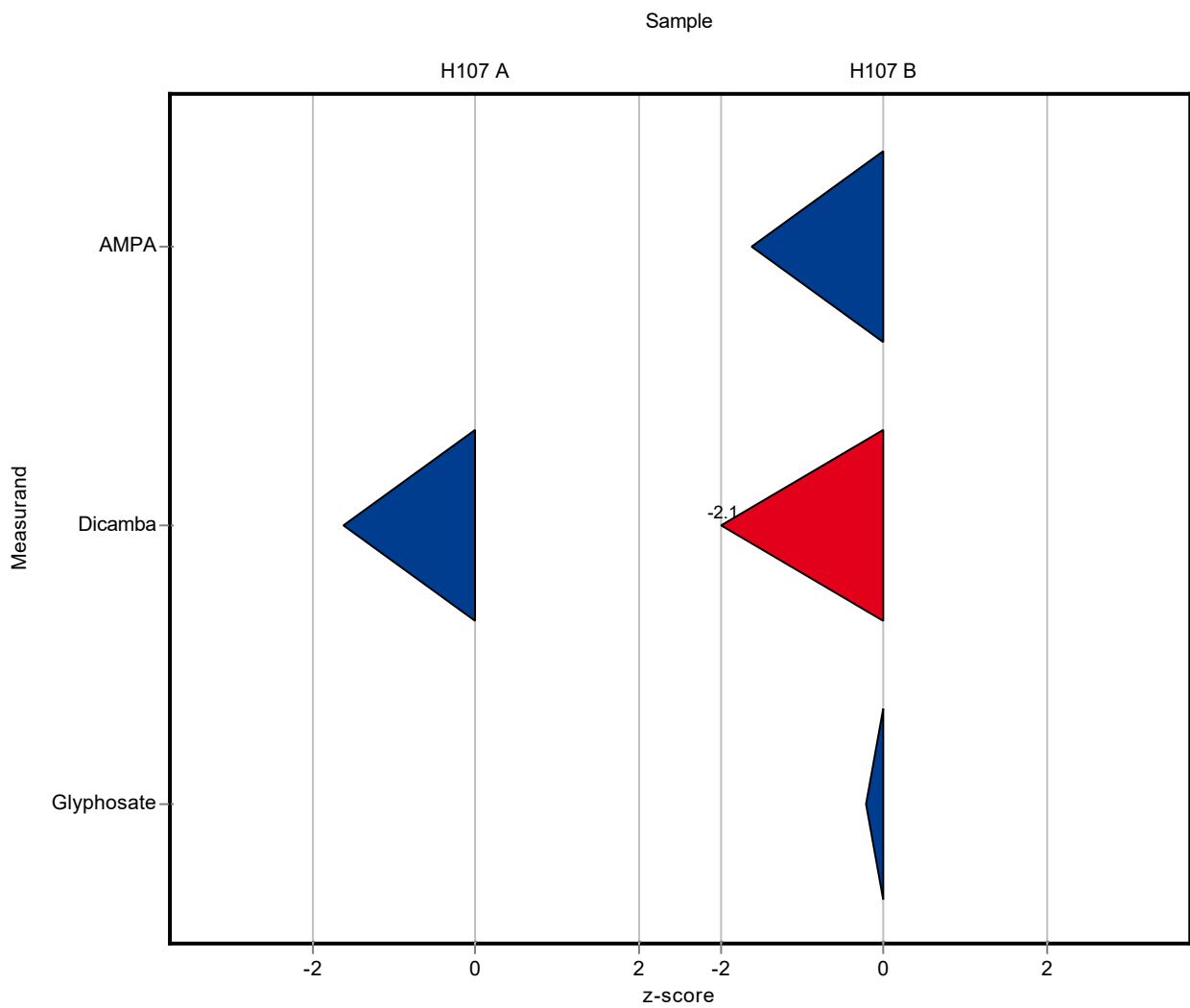
Sample: H107A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
2,4,5-Trichlorophenoxyacetic acid	µg/l	0.71 ± 0.0223	- ± -	0.128	-	-
2,4-D (2,4-Dichlorphenoxyaceticacid)	µg/l	0.472 ± 0.0351	- ± -	0.0661	-	-
Alachlor	µg/l	0.746 ± 0.0719	- ± -	0.0895	-	-
Alachlor-t-acid (Alachlor-OA)	µg/l	0.271 ± 0.0693	- ± -	0.0406	-	-
Alachlor-t-sulfonic acid (Alachlor-ESA)	µg/l	0.164 ± 0.0375	- ± -	0.0459	-	-
AMPA	µg/l	- ± -	0.137 ± 0.06	-	-	-
Bentazone	µg/l	0.353 ± 0.0127	- ± -	0.053	-	-
Dicamba	µg/l	0.931 ± 0.051	0.63 ± 0.28	0.186	67.7	-1.62
Dichlorprop	µg/l	0.569 ± 0.0236	- ± -	0.0683	-	-
Glufosinate	µg/l	- ± -	- ± -	-	-	-
Glyphosate	µg/l	- ± -	<0.05 (LOQ) ± -	-	-	-
MCPP (Mecoprop)	µg/l	0.309 ± 0.012	- ± -	0.0402	-	-
Metazachlor	µg/l	- ± -	- ± -	-	-	-
Metazachlor ethane sulfonic acid (Metazachlor-ESA)	µg/l	0.357 ± 0.0245	- ± -	0.0679	-	-
Metazachlor oxanilic acid (Metazachlor-OA)	µg/l	0.304 ± 0.0331	- ± -	0.0639	-	-
Metolachlor	µg/l	- ± -	- ± -	-	-	-
s-Metolachlor ethanesulfonic acid (Metolachlor-ESA)	µg/l	0.394 ± 0.0335	- ± -	0.0788	-	-
s-Metolachlor oxanilic acid (Metolachlor-OA)	µg/l	0.206 ± 0.00504	- ± -	0.0289	-	-

Sample: H107B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
2,4,5-Trichlorophenoxyacetic acid	µg/l	0.443 ± 0.0161	- ± -	0.0798	-	-
2,4-D (2,4-Dichlorphenoxyaceticacid)	µg/l	0.323 ± 0.00337	- ± -	0.0452	-	-
Alachlor	µg/l	0.424 ± 0.0538	- ± -	0.0508	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alachlor-t-acid (Alachlor-OA)	µg/l	0.564 ± 0.134	- ± -	0.0846	-	-
Alachlor-t-sulfonic acid (Alachlor-ESA)	µg/l	- ± -	- ± -	-	-	-
AMPA	µg/l	0.184 ± 0.0175	0.145 ± 0.06	0.0239	78.9	-1.62
Bentazone	µg/l	0.285 ± 0.0158	- ± -	0.0427	-	-
Dicamba	µg/l	0.468 ± 0.0149	0.27 ± 0.12	0.0936	57.7	-2.11
Dichlorprop	µg/l	0.223 ± 0.00566	- ± -	0.0267	-	-
Glufosinate	µg/l	- ± -	- ± -	-	-	-
Glyphosate	µg/l	0.247 ± 0.0123	0.236 ± 0.1	0.0495	95.4	-0.23
MCPP (Mecoprop)	µg/l	0.322 ± 0.017	- ± -	0.0419	-	-
Metazachlor	µg/l	0.476 ± 0.0236	- ± -	0.0571	-	-
Metazachlor ethane sulfonic acid (Metazachlor-ESA)	µg/l	0.136 ± 0.00969	- ± -	0.0258	-	-
Metazachlor oxanilic acid (Metazachlor-OA)	µg/l	- ± -	- ± -	-	-	-
Metolachlor	µg/l	0.513 ± 0.0147	- ± -	0.077	-	-
s-Metolachlor ethanesulfonic acid (Metolachlor-ESA)	µg/l	0.318 ± 0.0329	- ± -	0.0636	-	-
s-Metolachlor oxanilic acid (Metolachlor-OA)	µg/l	0.394 ± 0.0167	- ± -	0.0552	-	-



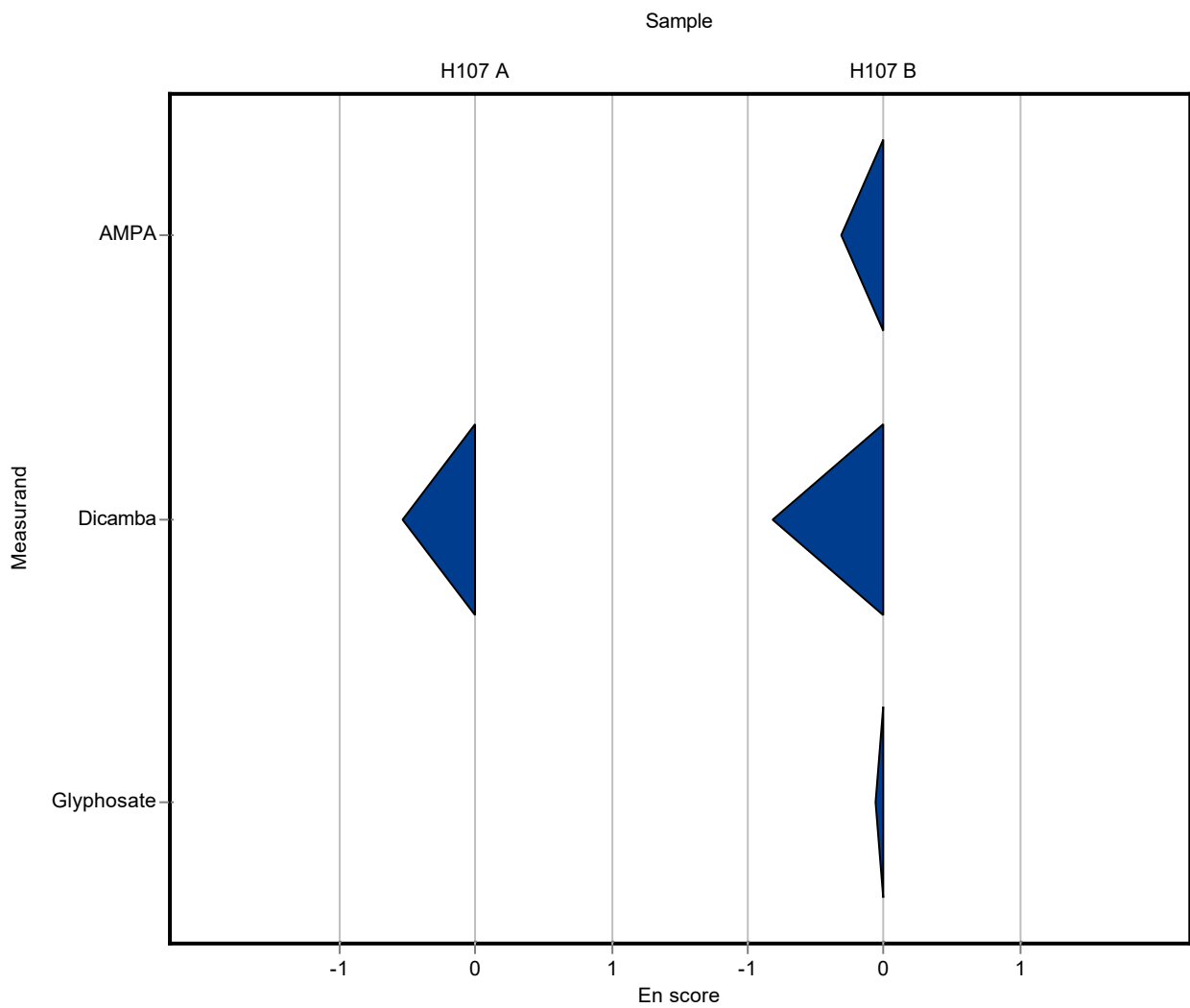
Sample: H107A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
2,4,5-Trichlorophenoxyacetic acid	µg/l	0.71 ± 0.0223	- ± -	0.128	-	-
2,4-D (2,4-Dichlorphenoxyaceticacid)	µg/l	0.472 ± 0.0351	- ± -	0.0661	-	-
Alachlor	µg/l	0.746 ± 0.0719	- ± -	0.0895	-	-
Alachlor-t-acid (Alachlor-OA)	µg/l	0.271 ± 0.0693	- ± -	0.0406	-	-
Alachlor-t-sulfonic acid (Alachlor-ESA)	µg/l	0.164 ± 0.0375	- ± -	0.0459	-	-
AMPA	µg/l	- ± -	0.137 ± 0.06	-	-	-
Bentazone	µg/l	0.353 ± 0.0127	- ± -	0.053	-	-
Dicamba	µg/l	0.931 ± 0.051	0.63 ± 0.28	0.186	67.7	-0.54
Dichlorprop	µg/l	0.569 ± 0.0236	- ± -	0.0683	-	-
Glufosinate	µg/l	- ± -	- ± -	-	-	-
Glyphosate	µg/l	- ± -	<0.05 (LOQ) ± -	-	-	-
MCPP (Mecoprop)	µg/l	0.309 ± 0.012	- ± -	0.0402	-	-
Metazachlor	µg/l	- ± -	- ± -	-	-	-
Metazachlor ethane sulfonic acid (Metazachlor-ESA)	µg/l	0.357 ± 0.0245	- ± -	0.0679	-	-
Metazachlor oxanilic acid (Metazachlor-OA)	µg/l	0.304 ± 0.0331	- ± -	0.0639	-	-
Metolachlor	µg/l	- ± -	- ± -	-	-	-
s-Metolachlor ethanesulfonic acid (Metolachlor-ESA)	µg/l	0.394 ± 0.0335	- ± -	0.0788	-	-
s-Metolachlor oxanilic acid (Metolachlor-OA)	µg/l	0.206 ± 0.00504	- ± -	0.0289	-	-

Sample: H107B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
2,4,5-Trichlorophenoxyacetic acid	µg/l	0.443 ± 0.0161	- ± -	0.0798	-	-
2,4-D (2,4-Dichlorphenoxyaceticacid)	µg/l	0.323 ± 0.00337	- ± -	0.0452	-	-
Alachlor	µg/l	0.424 ± 0.0538	- ± -	0.0508	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alachlor-t-acid (Alachlor-OA)	µg/l	0.564 ± 0.134	- ± -	0.0846	-	-
Alachlor-t-sulfonic acid (Alachlor-ESA)	µg/l	- ± -	- ± -	-	-	-
AMPA	µg/l	0.184 ± 0.0175	0.145 ± 0.06	0.0239	78.9	-0.32
Bentazone	µg/l	0.285 ± 0.0158	- ± -	0.0427	-	-
Dicamba	µg/l	0.468 ± 0.0149	0.27 ± 0.12	0.0936	57.7	-0.82
Dichlorprop	µg/l	0.223 ± 0.00566	- ± -	0.0267	-	-
Glufosinate	µg/l	- ± -	- ± -	-	-	-
Glyphosate	µg/l	0.247 ± 0.0123	0.236 ± 0.1	0.0495	95.4	-0.06
MCP (Mecoprop)	µg/l	0.322 ± 0.017	- ± -	0.0419	-	-
Metazachlor	µg/l	0.476 ± 0.0236	- ± -	0.0571	-	-
Metazachlor ethane sulfonic acid (Metazachlor-ESA)	µg/l	0.136 ± 0.00969	- ± -	0.0258	-	-
Metazachlor oxanilic acid (Metazachlor-OA)	µg/l	- ± -	- ± -	-	-	-
Metolachlor	µg/l	0.513 ± 0.0147	- ± -	0.077	-	-
s-Metolachlor ethanesulfonic acid (Metolachlor-ESA)	µg/l	0.318 ± 0.0329	- ± -	0.0636	-	-
s-Metolachlor oxanilic acid (Metolachlor-OA)	µg/l	0.394 ± 0.0167	- ± -	0.0552	-	-



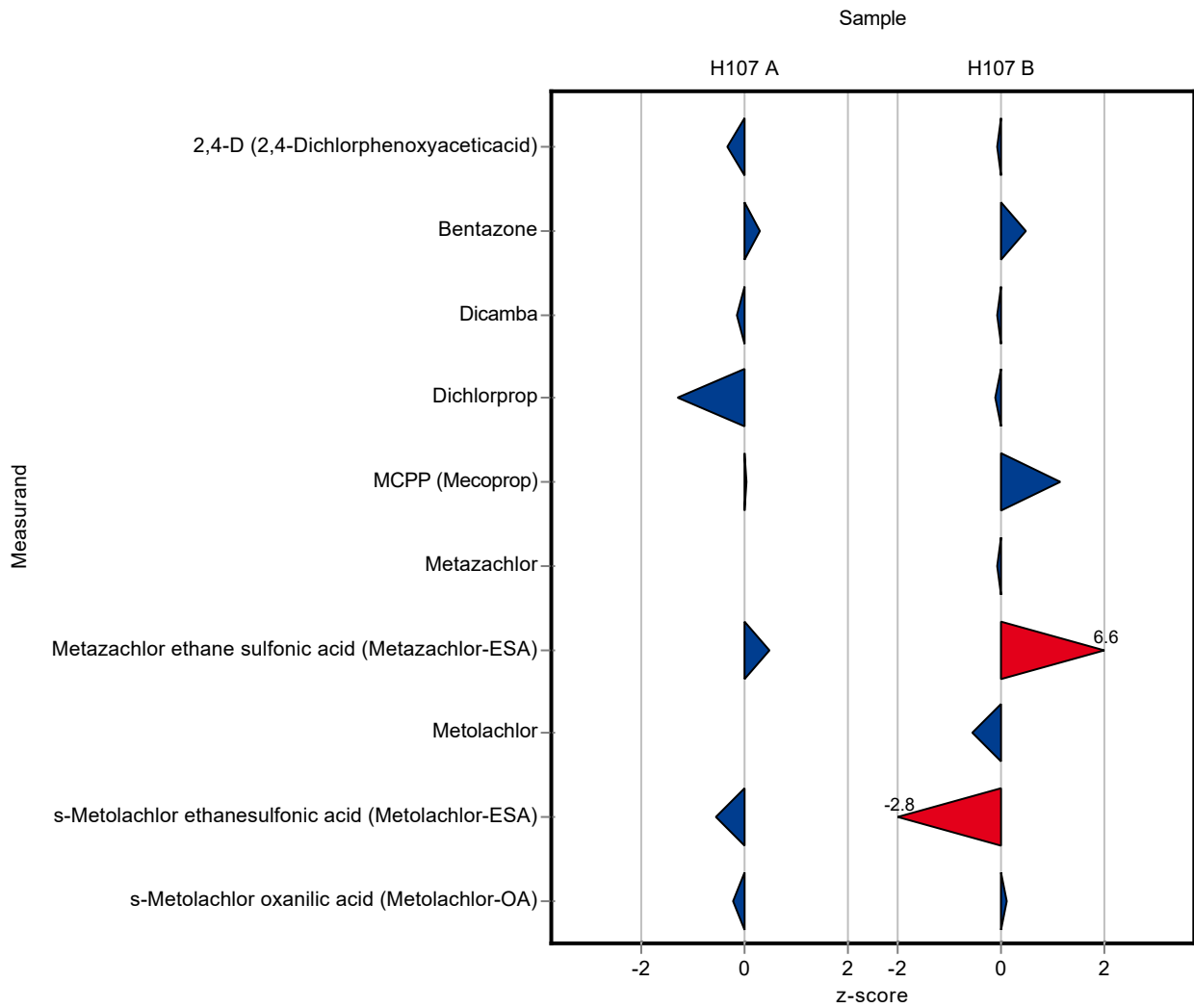
Sample: H107A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
2,4,5-Trichlorophenoxyacetic acid	µg/l	0.71 ± 0.0223	- ± -	0.128	-	-
2,4-D (2,4-Dichlorphenoxyaceticacid)	µg/l	0.472 ± 0.0351	0.45 ± 0.035	0.0661	95.3	-0.33
Alachlor	µg/l	0.746 ± 0.0719	- ± -	0.0895	-	-
Alachlor-t-acid (Alachlor-OA)	µg/l	0.271 ± 0.0693	- ± -	0.0406	-	-
Alachlor-t-sulfonic acid (Alachlor-ESA)	µg/l	0.164 ± 0.0375	- ± -	0.0459	-	-
AMPA	µg/l	- ± -	- ± -	-	-	-
Bentazone	µg/l	0.353 ± 0.0127	0.37 ± 0.069	0.053	105	0.32
Dicamba	µg/l	0.931 ± 0.051	0.905 ± 0.164	0.186	97.2	-0.14
Dichlorprop	µg/l	0.569 ± 0.0236	0.48 ± 0.088	0.0683	84.3	-1.30
Glufosinate	µg/l	- ± -	- ± -	-	-	-
Glyphosate	µg/l	- ± -	- ± -	-	-	-
MCPP (Mecoprop)	µg/l	0.309 ± 0.012	0.31 ± 0.075	0.0402	100	0.03
Metazachlor	µg/l	- ± -	<0.025 (LOQ) ± -	-	-	-
Metazachlor ethane sulfonic acid (Metazachlor-ESA)	µg/l	0.357 ± 0.0245	0.39 ± 0.068	0.0679	109	0.48
Metazachlor oxanilic acid (Metazachlor-OA)	µg/l	0.304 ± 0.0331	- ± -	0.0639	-	-
Metolachlor	µg/l	- ± -	<0.025 (LOQ) ± -	-	-	-
s-Metolachlor ethanesulfonic acid (Metolachlor-ESA)	µg/l	0.394 ± 0.0335	0.35 ± 0.075	0.0788	88.8	-0.56
s-Metolachlor oxanilic acid (Metolachlor-OA)	µg/l	0.206 ± 0.00504	0.2 ± 0.02	0.0289	97	-0.22

Sample: H107B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
2,4,5-Trichlorophenoxyacetic acid	µg/l	0.443 ± 0.0161	- ± -	0.0798	-	-
2,4-D (2,4-Dichlorphenoxyaceticacid)	µg/l	0.323 ± 0.00337	0.32 ± 0.025	0.0452	99	-0.07
Alachlor	µg/l	0.424 ± 0.0538	- ± -	0.0508	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alachlor-t-acid (Alachlor-OA)	µg/l	0.564 ± 0.134	- ± -	0.0846	-	-
Alachlor-t-sulfonic acid (Alachlor-ESA)	µg/l	- ± -	- ± -	-	-	-
AMPA	µg/l	0.184 ± 0.0175	- ± -	0.0239	-	-
Bentazone	µg/l	0.285 ± 0.0158	0.305 ± 0.057	0.0427	107	0.48
Dicamba	µg/l	0.468 ± 0.0149	0.46 ± 0.083	0.0936	98.3	-0.08
Dichlorprop	µg/l	0.223 ± 0.00566	0.22 ± 0.04	0.0267	98.7	-0.10
Glufosinate	µg/l	- ± -	- ± -	-	-	-
Glyphosate	µg/l	0.247 ± 0.0123	- ± -	0.0495	-	-
MCPP (Mecoprop)	µg/l	0.322 ± 0.017	0.37 ± 0.089	0.0419	115	1.14
Metazachlor	µg/l	0.476 ± 0.0236	0.47 ± 0.065	0.0571	98.8	-0.10
Metazachlor ethane sulfonic acid (Metazachlor-ESA)	µg/l	0.136 ± 0.00969	0.305 ± 0.027	0.0258	225	6.56
Metazachlor oxanilic acid (Metazachlor-OA)	µg/l	- ± -	- ± -	-	-	-
Metolachlor	µg/l	0.513 ± 0.0147	0.47 ± 0.069	0.077	91.6	-0.56
s-Metolachlor ethanesulfonic acid (Metolachlor-ESA)	µg/l	0.318 ± 0.0329	0.14 ± 0.059	0.0636	44	-2.80
s-Metolachlor oxanilic acid (Metolachlor-OA)	µg/l	0.394 ± 0.0167	0.4 ± 0.041	0.0552	101	0.10



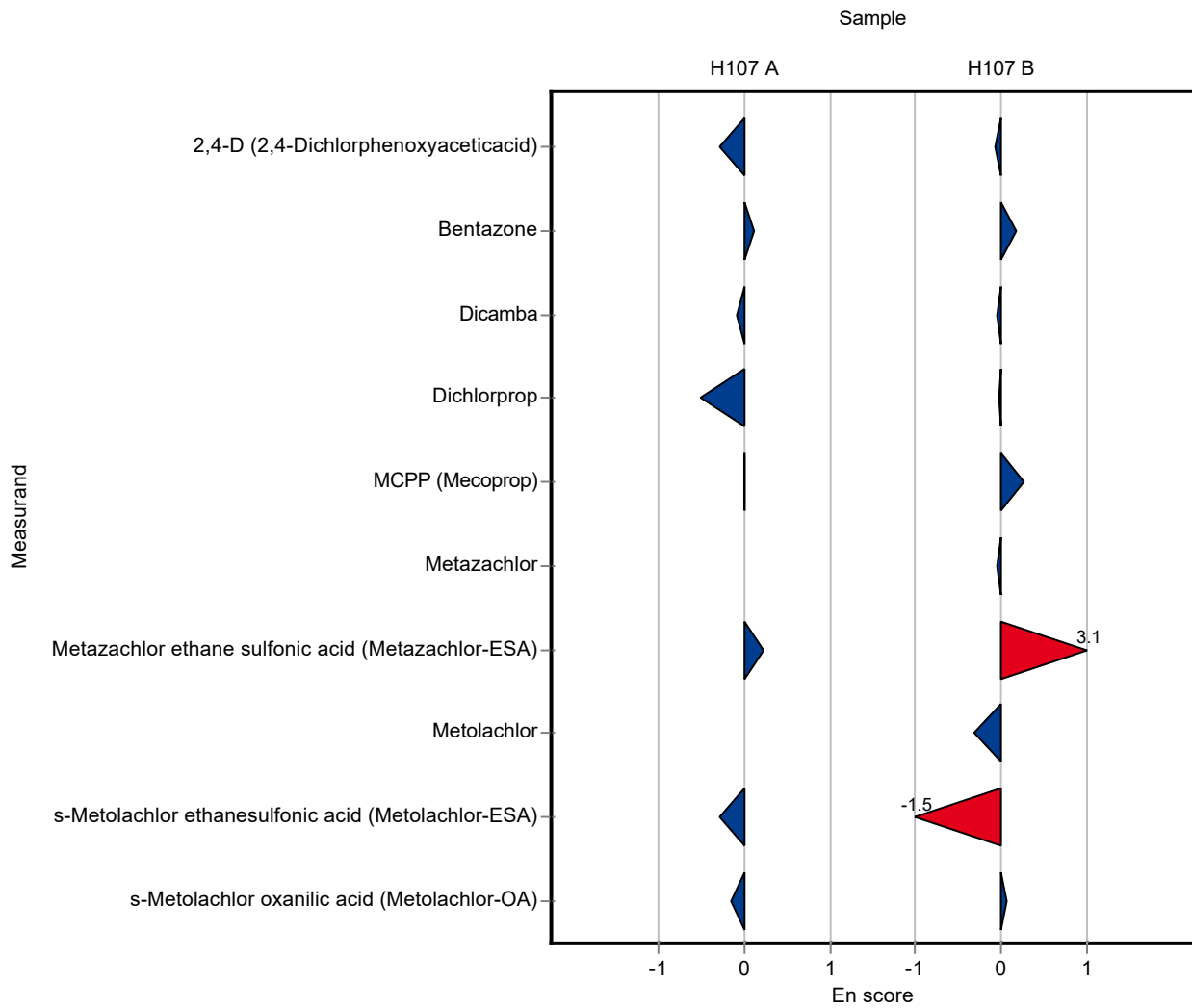
Sample: H107A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
2,4,5-Trichlorophenoxyacetic acid	µg/l	0.71 ± 0.0223	- ± -	0.128	-	-
2,4-D (2,4-Dichlorphenoxyaceticacid)	µg/l	0.472 ± 0.0351	0.45 ± 0.035	0.0661	95.3	-0.28
Alachlor	µg/l	0.746 ± 0.0719	- ± -	0.0895	-	-
Alachlor-t-acid (Alachlor-OA)	µg/l	0.271 ± 0.0693	- ± -	0.0406	-	-
Alachlor-t-sulfonic acid (Alachlor-ESA)	µg/l	0.164 ± 0.0375	- ± -	0.0459	-	-
AMPA	µg/l	- ± -	- ± -	-	-	-
Bentazone	µg/l	0.353 ± 0.0127	0.37 ± 0.069	0.053	105	0.12
Dicamba	µg/l	0.931 ± 0.051	0.905 ± 0.164	0.186	97.2	-0.08
Dichlorprop	µg/l	0.569 ± 0.0236	0.48 ± 0.088	0.0683	84.3	-0.50
Glufosinate	µg/l	- ± -	- ± -	-	-	-
Glyphosate	µg/l	- ± -	- ± -	-	-	-
MCPP (Mecoprop)	µg/l	0.309 ± 0.012	0.31 ± 0.075	0.0402	100	0.01
Metazachlor	µg/l	- ± -	<0.025 (LOQ) ± -	-	-	-
Metazachlor ethane sulfonic acid (Metazachlor-ESA)	µg/l	0.357 ± 0.0245	0.39 ± 0.068	0.0679	109	0.24
Metazachlor oxanilic acid (Metazachlor-OA)	µg/l	0.304 ± 0.0331	- ± -	0.0639	-	-
Metolachlor	µg/l	- ± -	<0.025 (LOQ) ± -	-	-	-
s-Metolachlor ethanesulfonic acid (Metolachlor-ESA)	µg/l	0.394 ± 0.0335	0.35 ± 0.075	0.0788	88.8	-0.29
s-Metolachlor oxanilic acid (Metolachlor-OA)	µg/l	0.206 ± 0.00504	0.2 ± 0.02	0.0289	97	-0.15

Sample: H107B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
2,4,5-Trichlorophenoxyacetic acid	µg/l	0.443 ± 0.0161	- ± -	0.0798	-	-
2,4-D (2,4-Dichlorphenoxyaceticacid)	µg/l	0.323 ± 0.00337	0.32 ± 0.025	0.0452	99	-0.06
Alachlor	µg/l	0.424 ± 0.0538	- ± -	0.0508	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion Recovery	En-Score	En-Score [%]
Alachlor-t-acid (Alachlor-OA)	µg/l	0.564 ± 0.134	- ± -	0.0846	-	-
Alachlor-t-sulfonic acid (Alachlor-ESA)	µg/l	- ± -	- ± -	-	-	-
AMPA	µg/l	0.184 ± 0.0175	- ± -	0.0239	-	-
Bentazone	µg/l	0.285 ± 0.0158	0.305 ± 0.057	0.0427	107	0.18
Dicamba	µg/l	0.468 ± 0.0149	0.46 ± 0.083	0.0936	98.3	-0.05
Dichlorprop	µg/l	0.223 ± 0.00566	0.22 ± 0.04	0.0267	98.7	-0.03
Glufosinate	µg/l	- ± -	- ± -	-	-	-
Glyphosate	µg/l	0.247 ± 0.0123	- ± -	0.0495	-	-
MCP (Mecoprop)	µg/l	0.322 ± 0.017	0.37 ± 0.089	0.0419	115	0.27
Metazachlor	µg/l	0.476 ± 0.0236	0.47 ± 0.065	0.0571	98.8	-0.04
Metazachlor ethane sulfonic acid (Metazachlor-ESA)	µg/l	0.136 ± 0.00969	0.305 ± 0.027	0.0258	225	3.08
Metazachlor oxanilic acid (Metazachlor-OA)	µg/l	- ± -	- ± -	-	-	-
Metolachlor	µg/l	0.513 ± 0.0147	0.47 ± 0.069	0.077	91.6	-0.31
s-Metolachlor ethanesulfonic acid (Metolachlor-ESA)	µg/l	0.318 ± 0.0329	0.14 ± 0.059	0.0636	44	-1.45
s-Metolachlor oxanilic acid (Metolachlor-OA)	µg/l	0.394 ± 0.0167	0.4 ± 0.041	0.0552	101	0.07



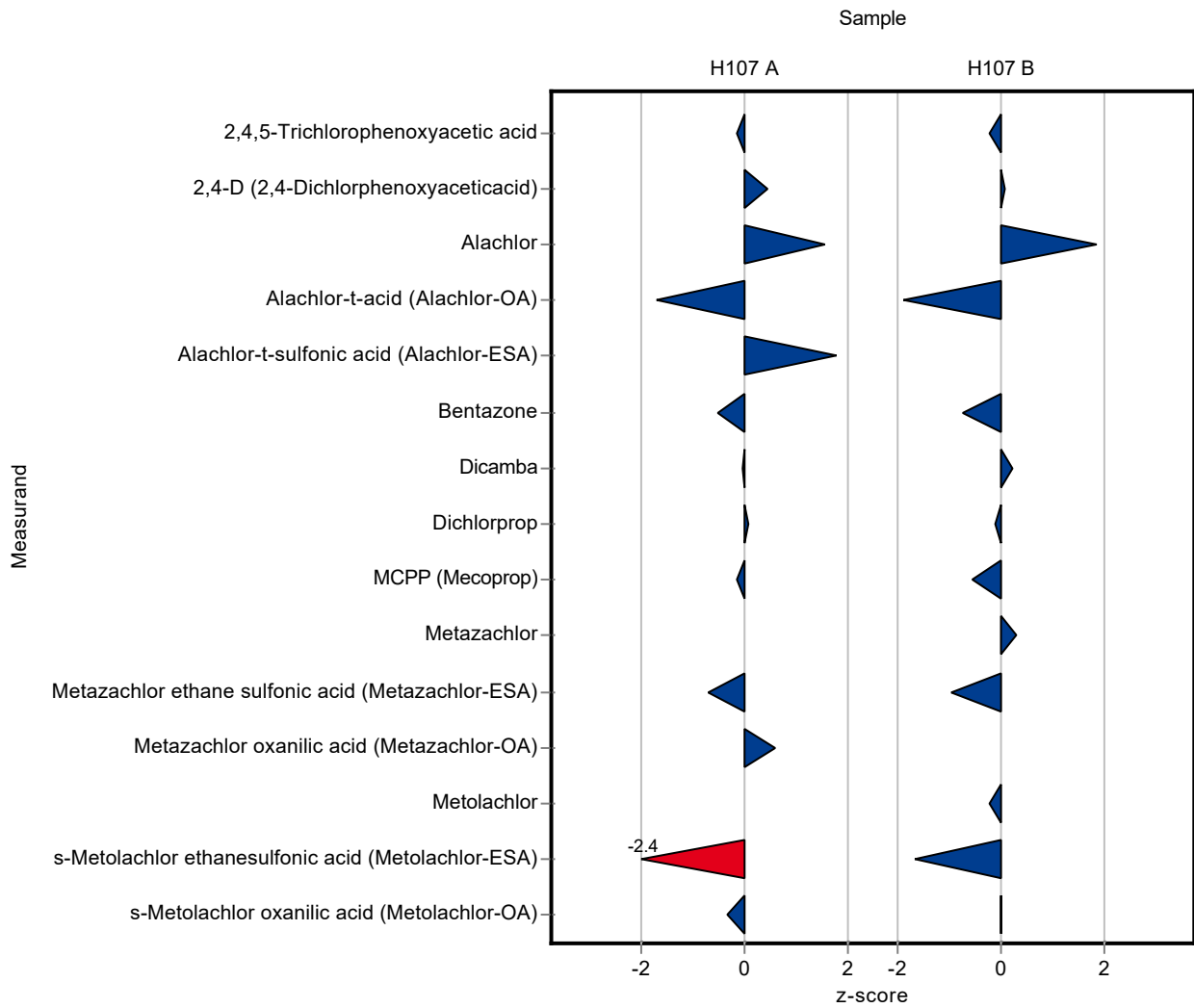
Sample: H107A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
2,4,5-Trichlorophenoxyacetic acid	µg/l	0.71 ± 0.0223	0.694 ± 0.069	0.128	97.7	-0.13
2,4-D (2,4-Dichlorphenoxyaceticacid)	µg/l	0.472 ± 0.0351	0.502 ± 0.0502	0.0661	106	0.45
Alachlor	µg/l	0.746 ± 0.0719	0.885 ± 0.089	0.0895	119	1.55
Alachlor-t-acid (Alachlor-OA)	µg/l	0.271 ± 0.0693	0.201 ± 0.02	0.0406	74.2	-1.72
Alachlor-t-sulfonic acid (Alachlor-ESA)	µg/l	0.164 ± 0.0375	0.247 ± 0.025	0.0459	150	1.80
AMPA	µg/l	- ± -	- ± -	-	-	-
Bentazone	µg/l	0.353 ± 0.0127	0.325 ± 0.033	0.053	92.1	-0.53
Dicamba	µg/l	0.931 ± 0.051	0.928 ± 0.093	0.186	99.7	-0.02
Dichlorprop	µg/l	0.569 ± 0.0236	0.575 ± 0.058	0.0683	101	0.09
Glufosinate	µg/l	- ± -	- ± -	-	-	-
Glyphosate	µg/l	- ± -	- ± -	-	-	-
MCPP (Mecoprop)	µg/l	0.309 ± 0.012	0.303 ± 0.03	0.0402	98.1	-0.15
Metazachlor	µg/l	- ± -	<0.001 (LOQ) ± -	-	-	-
Metazachlor ethane sulfonic acid (Metazachlor-ESA)	µg/l	0.357 ± 0.0245	0.309 ± 0.031	0.0679	86.5	-0.71
Metazachlor oxanilic acid (Metazachlor-OA)	µg/l	0.304 ± 0.0331	0.344 ± 0.034	0.0639	113	0.62
Metolachlor	µg/l	- ± -	<0.001 (LOQ) ± -	-	-	-
s-Metolachlor ethanesulfonic acid (Metolachlor-ESA)	µg/l	0.394 ± 0.0335	0.208 ± 0.021	0.0788	52.8	-2.36
s-Metolachlor oxanilic acid (Metolachlor-OA)	µg/l	0.206 ± 0.00504	0.197 ± 0.0197	0.0289	95.5	-0.32

Sample: H107B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
2,4,5-Trichlorophenoxyacetic acid	µg/l	0.443 ± 0.0161	0.425 ± 0.043	0.0798	95.9	-0.23
2,4-D (2,4-Dichlorphenoxyaceticacid)	µg/l	0.323 ± 0.00337	0.326 ± 0.033	0.0452	101	0.06
Alachlor	µg/l	0.424 ± 0.0538	0.518 ± 0.052	0.0508	122	1.86

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alachlor-t-acid (Alachlor-OA)	µg/l	0.564 ± 0.134	0.403 ± 0.04	0.0846	71.5	-1.90
Alachlor-t-sulfonic acid (Alachlor-ESA)	µg/l	- ± -	0.291 ± 0.029	-	-	-
AMPA	µg/l	0.184 ± 0.0175	- ± -	0.0239	-	-
Bentazone	µg/l	0.285 ± 0.0158	0.253 ± 0.025	0.0427	88.9	-0.74
Dicamba	µg/l	0.468 ± 0.0149	0.488 ± 0.049	0.0936	104	0.22
Dichlorprop	µg/l	0.223 ± 0.00566	0.22 ± 0.022	0.0267	98.7	-0.10
Glufosinate	µg/l	- ± -	- ± -	-	-	-
Glyphosate	µg/l	0.247 ± 0.0123	- ± -	0.0495	-	-
MCP (Mecoprop)	µg/l	0.322 ± 0.017	0.299 ± 0.03	0.0419	92.8	-0.55
Metazachlor	µg/l	0.476 ± 0.0236	0.492 ± 0.049	0.0571	103	0.29
Metazachlor ethane sulfonic acid (Metazachlor-ESA)	µg/l	0.136 ± 0.00969	0.111 ± 0.011	0.0258	81.8	-0.96
Metazachlor oxanilic acid (Metazachlor-OA)	µg/l	- ± -	<0.001 (LOQ) ± -	-	-	-
Metolachlor	µg/l	0.513 ± 0.0147	0.494 ± 0.049	0.077	96.3	-0.25
s-Metolachlor ethanesulfonic acid (Metolachlor-ESA)	µg/l	0.318 ± 0.0329	0.212 ± 0.021	0.0636	66.7	-1.67
s-Metolachlor oxanilic acid (Metolachlor-OA)	µg/l	0.394 ± 0.0167	0.394 ± 0.039	0.0552	99.9	-0.01



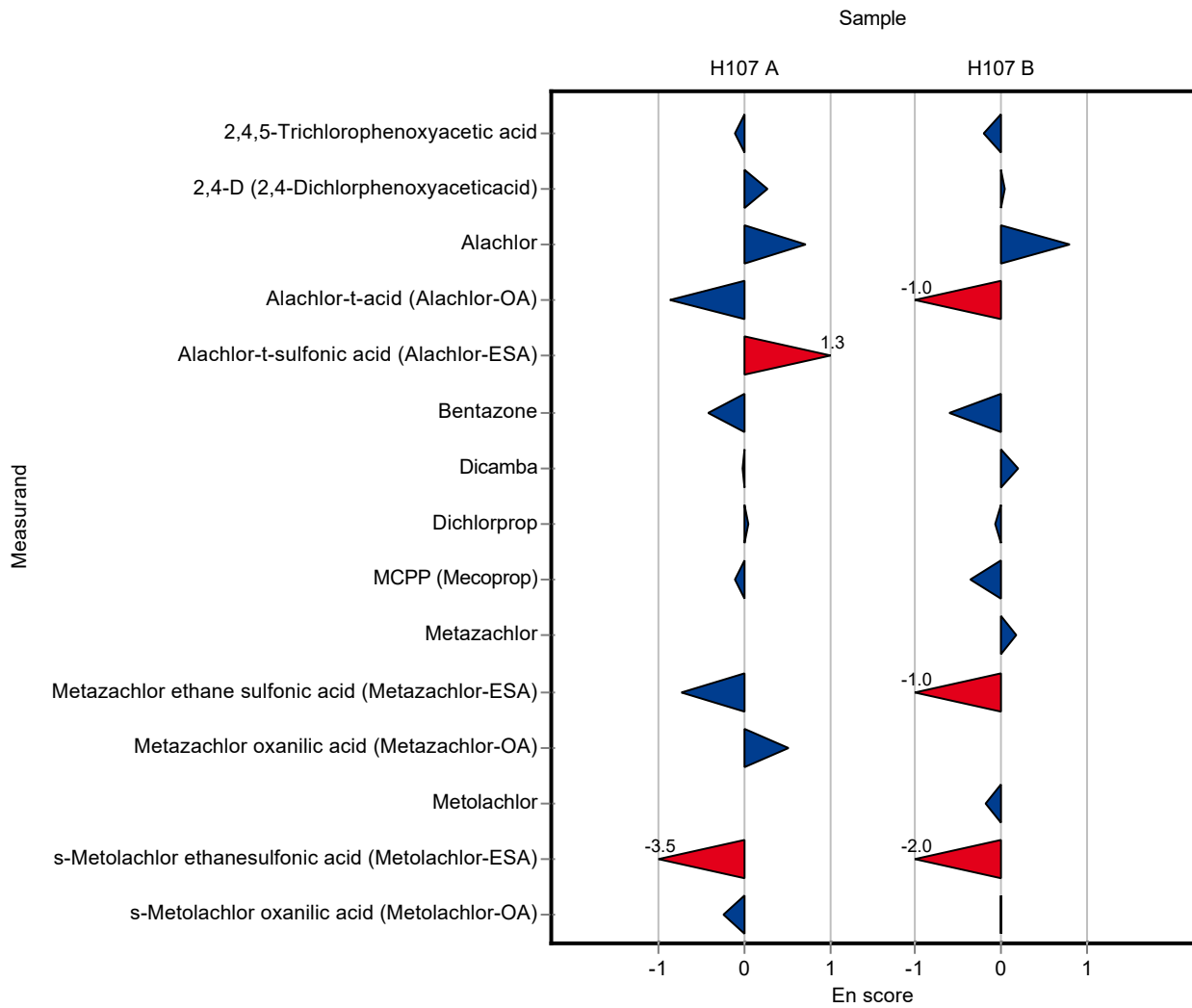
Sample: H107A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
2,4,5-Trichlorophenoxyacetic acid	µg/l	0.71 ± 0.0223	0.694 ± 0.069	0.128	97.7	-0.12
2,4-D (2,4-Dichlorphenoxyaceticacid)	µg/l	0.472 ± 0.0351	0.502 ± 0.0502	0.0661	106	0.28
Alachlor	µg/l	0.746 ± 0.0719	0.885 ± 0.089	0.0895	119	0.72
Alachlor-t-acid (Alachlor-OA)	µg/l	0.271 ± 0.0693	0.201 ± 0.02	0.0406	74.2	-0.87
Alachlor-t-sulfonic acid (Alachlor-ESA)	µg/l	0.164 ± 0.0375	0.247 ± 0.025	0.0459	150	1.32
AMPA	µg/l	- ± -	- ± -	-	-	-
Bentazone	µg/l	0.353 ± 0.0127	0.325 ± 0.033	0.053	92.1	-0.42
Dicamba	µg/l	0.931 ± 0.051	0.928 ± 0.093	0.186	99.7	-0.02
Dichlorprop	µg/l	0.569 ± 0.0236	0.575 ± 0.058	0.0683	101	0.05
Glufosinate	µg/l	- ± -	- ± -	-	-	-
Glyphosate	µg/l	- ± -	- ± -	-	-	-
MCPP (Mecoprop)	µg/l	0.309 ± 0.012	0.303 ± 0.03	0.0402	98.1	-0.10
Metazachlor	µg/l	- ± -	<0.001 (LOQ) ± -	-	-	-
Metazachlor ethane sulfonic acid (Metazachlor-ESA)	µg/l	0.357 ± 0.0245	0.309 ± 0.031	0.0679	86.5	-0.72
Metazachlor oxanilic acid (Metazachlor-OA)	µg/l	0.304 ± 0.0331	0.344 ± 0.034	0.0639	113	0.52
Metolachlor	µg/l	- ± -	<0.001 (LOQ) ± -	-	-	-
s-Metolachlor ethanesulfonic acid (Metolachlor-ESA)	µg/l	0.394 ± 0.0335	0.208 ± 0.021	0.0788	52.8	-3.46
s-Metolachlor oxanilic acid (Metolachlor-OA)	µg/l	0.206 ± 0.00504	0.197 ± 0.0197	0.0289	95.5	-0.23

Sample: H107B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
2,4,5-Trichlorophenoxyacetic acid	µg/l	0.443 ± 0.0161	0.425 ± 0.043	0.0798	95.9	-0.21
2,4-D (2,4-Dichlorphenoxyaceticacid)	µg/l	0.323 ± 0.00337	0.326 ± 0.033	0.0452	101	0.04
Alachlor	µg/l	0.424 ± 0.0538	0.518 ± 0.052	0.0508	122	0.81

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alachlor-t-acid (Alachlor-OA)	µg/l	0.564 ± 0.134	0.403 ± 0.04	0.0846	71.5	-1.03
Alachlor-t-sulfonic acid (Alachlor-ESA)	µg/l	- ± -	0.291 ± 0.029	-	-	-
AMPA	µg/l	0.184 ± 0.0175	- ± -	0.0239	-	-
Bentazone	µg/l	0.285 ± 0.0158	0.253 ± 0.025	0.0427	88.9	-0.60
Dicamba	µg/l	0.468 ± 0.0149	0.488 ± 0.049	0.0936	104	0.20
Dichlorprop	µg/l	0.223 ± 0.00566	0.22 ± 0.022	0.0267	98.7	-0.06
Glufosinate	µg/l	- ± -	- ± -	-	-	-
Glyphosate	µg/l	0.247 ± 0.0123	- ± -	0.0495	-	-
MCP (Mecoprop)	µg/l	0.322 ± 0.017	0.299 ± 0.03	0.0419	92.8	-0.37
Metazachlor	µg/l	0.476 ± 0.0236	0.492 ± 0.049	0.0571	103	0.16
Metazachlor ethane sulfonic acid (Metazachlor-ESA)	µg/l	0.136 ± 0.00969	0.111 ± 0.011	0.0258	81.8	-1.03
Metazachlor oxanilic acid (Metazachlor-OA)	µg/l	- ± -	<0.001 (LOQ) ± -	-	-	-
Metolachlor	µg/l	0.513 ± 0.0147	0.494 ± 0.049	0.077	96.3	-0.19
s-Metolachlor ethanesulfonic acid (Metolachlor-ESA)	µg/l	0.318 ± 0.0329	0.212 ± 0.021	0.0636	66.7	-1.99
s-Metolachlor oxanilic acid (Metolachlor-OA)	µg/l	0.394 ± 0.0167	0.394 ± 0.039	0.0552	99.9	0.00



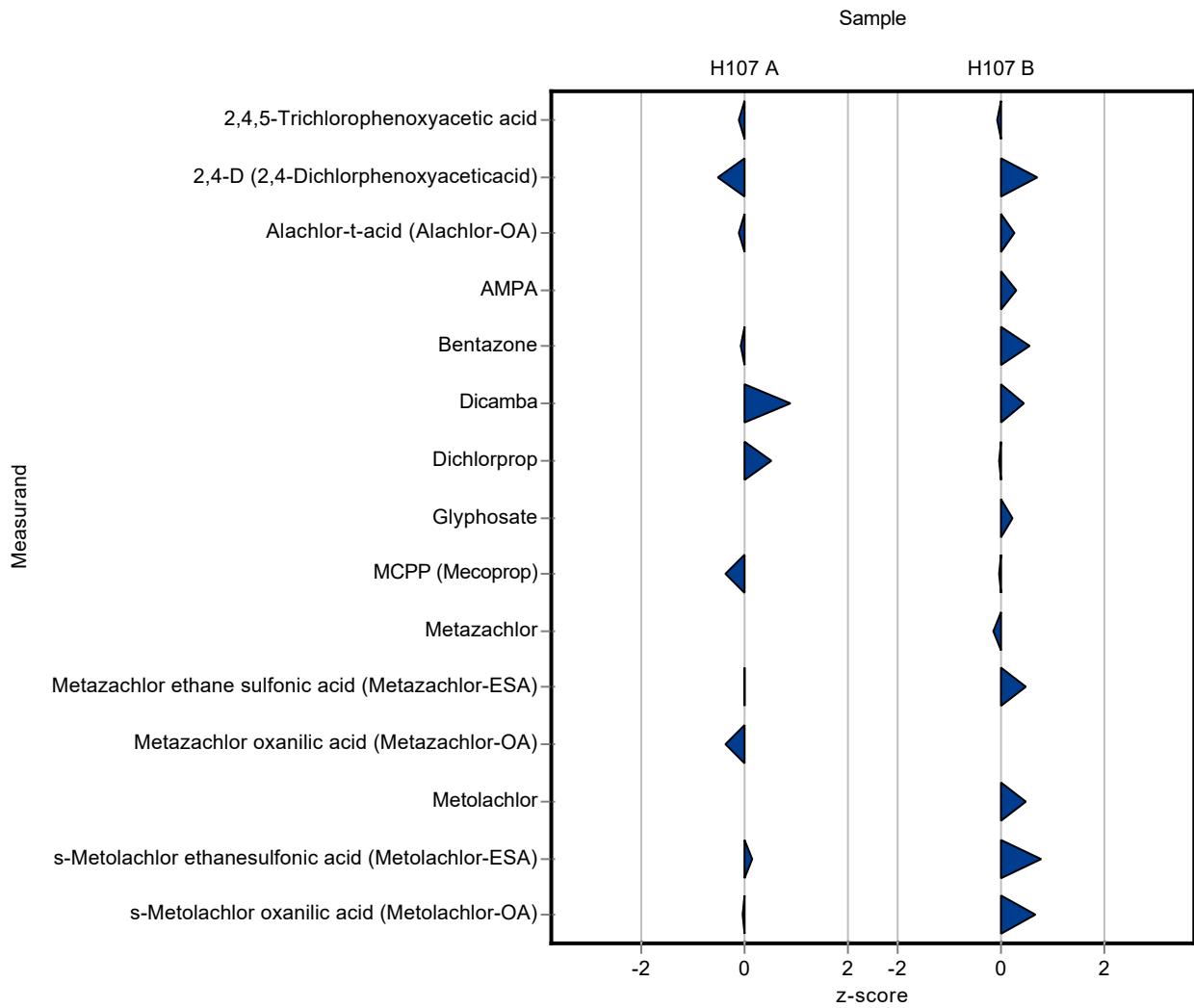
Sample: H107A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
2,4,5-Trichlorophenoxyacetic acid	µg/l	0.71 ± 0.0223	0.699 ± 0.224	0.128	98.4	-0.09
2,4-D (2,4-Dichlorphenoxyaceticacid)	µg/l	0.472 ± 0.0351	0.438 ± 0.088	0.0661	92.8	-0.52
Alachlor	µg/l	0.746 ± 0.0719	- ± -	0.0895	-	-
Alachlor-t-acid (Alachlor-OA)	µg/l	0.271 ± 0.0693	0.267 ± 0.053	0.0406	98.6	-0.09
Alachlor-t-sulfonic acid (Alachlor-ESA)	µg/l	0.164 ± 0.0375	- ± -	0.0459	-	-
AMPA	µg/l	- ± -	0.188 ± 0.045	-	-	-
Bentazone	µg/l	0.353 ± 0.0127	0.35 ± 0.091	0.053	99.2	-0.06
Dicamba	µg/l	0.931 ± 0.051	1.097 ± 0.241	0.186	118	0.89
Dichlorprop	µg/l	0.569 ± 0.0236	0.606 ± 0.121	0.0683	106	0.54
Glufosinate	µg/l	- ± -	0.373 ± 0.104	-	-	-
Glyphosate	µg/l	- ± -	<0.005 (LOQ) ± -	-	-	-
MCPP (Mecoprop)	µg/l	0.309 ± 0.012	0.295 ± 0.059	0.0402	95.5	-0.35
Metazachlor	µg/l	- ± -	<0.005 (LOQ) ± -	-	-	-
Metazachlor ethane sulfonic acid (Metazachlor-ESA)	µg/l	0.357 ± 0.0245	0.358 ± 0.072	0.0679	100	0.01
Metazachlor oxanilic acid (Metazachlor-OA)	µg/l	0.304 ± 0.0331	0.281 ± 0.056	0.0639	92.3	-0.37
Metolachlor	µg/l	- ± -	<0.005 (LOQ) ± -	-	-	-
s-Metolachlor ethanesulfonic acid (Metolachlor-ESA)	µg/l	0.394 ± 0.0335	0.407 ± 0.081	0.0788	103	0.17
s-Metolachlor oxanilic acid (Metolachlor-OA)	µg/l	0.206 ± 0.00504	0.205 ± 0.041	0.0289	99.4	-0.04

Sample: H107B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
2,4,5-Trichlorophenoxyacetic acid	µg/l	0.443 ± 0.0161	0.438 ± 0.14	0.0798	98.8	-0.06
2,4-D (2,4-Dichlorphenoxyaceticacid)	µg/l	0.323 ± 0.00337	0.355 ± 0.071	0.0452	110	0.70
Alachlor	µg/l	0.424 ± 0.0538	- ± -	0.0508	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alachlor-t-acid (Alachlor-OA)	µg/l	0.564 ± 0.134	0.585 ± 0.117	0.0846	104	0.25
Alachlor-t-sulfonic acid (Alachlor-ESA)	µg/l	- ± -	- ± -	-	-	-
AMPA	µg/l	0.184 ± 0.0175	0.191 ± 0.046	0.0239	104	0.30
Bentazone	µg/l	0.285 ± 0.0158	0.308 ± 0.08	0.0427	108	0.55
Dicamba	µg/l	0.468 ± 0.0149	0.508 ± 0.112	0.0936	109	0.43
Dichlorprop	µg/l	0.223 ± 0.00566	0.222 ± 0.044	0.0267	99.6	-0.03
Glufosinate	µg/l	- ± -	0.148 ± 0.041	-	-	-
Glyphosate	µg/l	0.247 ± 0.0123	0.258 ± 0.052	0.0495	104	0.21
MCPP (Mecoprop)	µg/l	0.322 ± 0.017	0.321 ± 0.064	0.0419	99.6	-0.03
Metazachlor	µg/l	0.476 ± 0.0236	0.467 ± 0.093	0.0571	98.2	-0.15
Metazachlor ethane sulfonic acid (Metazachlor-ESA)	µg/l	0.136 ± 0.00969	0.148 ± 0.03	0.0258	109	0.47
Metazachlor oxanilic acid (Metazachlor-OA)	µg/l	- ± -	<0.01 (LOQ) ± -	-	-	-
Metolachlor	µg/l	0.513 ± 0.0147	0.55 ± 0.11	0.077	107	0.48
s-Metolachlor ethanesulfonic acid (Metolachlor-ESA)	µg/l	0.318 ± 0.0329	0.367 ± 0.073	0.0636	115	0.77
s-Metolachlor oxanilic acid (Metolachlor-OA)	µg/l	0.394 ± 0.0167	0.431 ± 0.086	0.0552	109	0.66



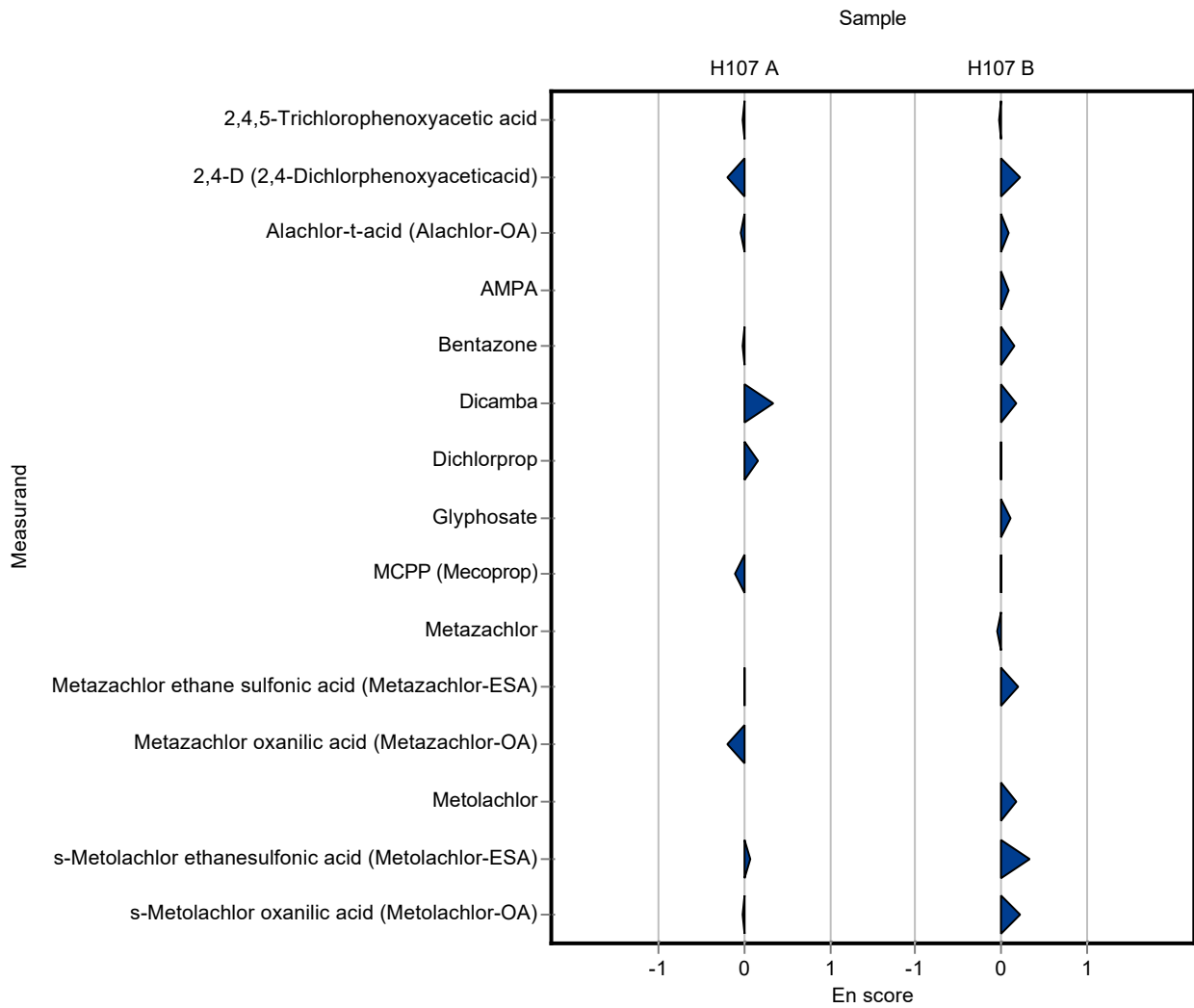
Sample: H107A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
2,4,5-Trichlorophenoxyacetic acid	µg/l	0.71 ± 0.0223	0.699 ± 0.224	0.128	98.4	-0.02
2,4-D (2,4-Dichlorphenoxyaceticacid)	µg/l	0.472 ± 0.0351	0.438 ± 0.088	0.0661	92.8	-0.19
Alachlor	µg/l	0.746 ± 0.0719	- ± -	0.0895	-	-
Alachlor-t-acid (Alachlor-OA)	µg/l	0.271 ± 0.0693	0.267 ± 0.053	0.0406	98.6	-0.03
Alachlor-t-sulfonic acid (Alachlor-ESA)	µg/l	0.164 ± 0.0375	- ± -	0.0459	-	-
AMPA	µg/l	- ± -	0.188 ± 0.045	-	-	-
Bentazone	µg/l	0.353 ± 0.0127	0.35 ± 0.091	0.053	99.2	-0.02
Dicamba	µg/l	0.931 ± 0.051	1.097 ± 0.241	0.186	118	0.34
Dichlorprop	µg/l	0.569 ± 0.0236	0.606 ± 0.121	0.0683	106	0.15
Glufosinate	µg/l	- ± -	0.373 ± 0.104	-	-	-
Glyphosate	µg/l	- ± -	<0.005 (LOQ) ± -	-	-	-
MCPP (Mecoprop)	µg/l	0.309 ± 0.012	0.295 ± 0.059	0.0402	95.5	-0.12
Metazachlor	µg/l	- ± -	<0.005 (LOQ) ± -	-	-	-
Metazachlor ethane sulfonic acid (Metazachlor-ESA)	µg/l	0.357 ± 0.0245	0.358 ± 0.072	0.0679	100	0.01
Metazachlor oxanilic acid (Metazachlor-OA)	µg/l	0.304 ± 0.0331	0.281 ± 0.056	0.0639	92.3	-0.20
Metolachlor	µg/l	- ± -	<0.005 (LOQ) ± -	-	-	-
s-Metolachlor ethanesulfonic acid (Metolachlor-ESA)	µg/l	0.394 ± 0.0335	0.407 ± 0.081	0.0788	103	0.08
s-Metolachlor oxanilic acid (Metolachlor-OA)	µg/l	0.206 ± 0.00504	0.205 ± 0.041	0.0289	99.4	-0.02

Sample: H107B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
2,4,5-Trichlorophenoxyacetic acid	µg/l	0.443 ± 0.0161	0.438 ± 0.14	0.0798	98.8	-0.02
2,4-D (2,4-Dichlorphenoxyaceticacid)	µg/l	0.323 ± 0.00337	0.355 ± 0.071	0.0452	110	0.22
Alachlor	µg/l	0.424 ± 0.0538	- ± -	0.0508	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alachlor-t-acid (Alachlor-OA)	µg/l	0.564 ± 0.134	0.585 ± 0.117	0.0846	104	0.08
Alachlor-t-sulfonic acid (Alachlor-ESA)	µg/l	- ± -	- ± -	-	-	-
AMPA	µg/l	0.184 ± 0.0175	0.191 ± 0.046	0.0239	104	0.08
Bentazone	µg/l	0.285 ± 0.0158	0.308 ± 0.08	0.0427	108	0.15
Dicamba	µg/l	0.468 ± 0.0149	0.508 ± 0.112	0.0936	109	0.18
Dichlorprop	µg/l	0.223 ± 0.00566	0.222 ± 0.044	0.0267	99.6	-0.01
Glufosinate	µg/l	- ± -	0.148 ± 0.041	-	-	-
Glyphosate	µg/l	0.247 ± 0.0123	0.258 ± 0.052	0.0495	104	0.10
MCP (Mecoprop)	µg/l	0.322 ± 0.017	0.321 ± 0.064	0.0419	99.6	-0.01
Metazachlor	µg/l	0.476 ± 0.0236	0.467 ± 0.093	0.0571	98.2	-0.05
Metazachlor ethane sulfonic acid (Metazachlor-ESA)	µg/l	0.136 ± 0.00969	0.148 ± 0.03	0.0258	109	0.20
Metazachlor oxanilic acid (Metazachlor-OA)	µg/l	- ± -	<0.01 (LOQ) ± -	-	-	-
Metolachlor	µg/l	0.513 ± 0.0147	0.55 ± 0.11	0.077	107	0.17
s-Metolachlor ethanesulfonic acid (Metolachlor-ESA)	µg/l	0.318 ± 0.0329	0.367 ± 0.073	0.0636	115	0.33
s-Metolachlor oxanilic acid (Metolachlor-OA)	µg/l	0.394 ± 0.0167	0.431 ± 0.086	0.0552	109	0.21



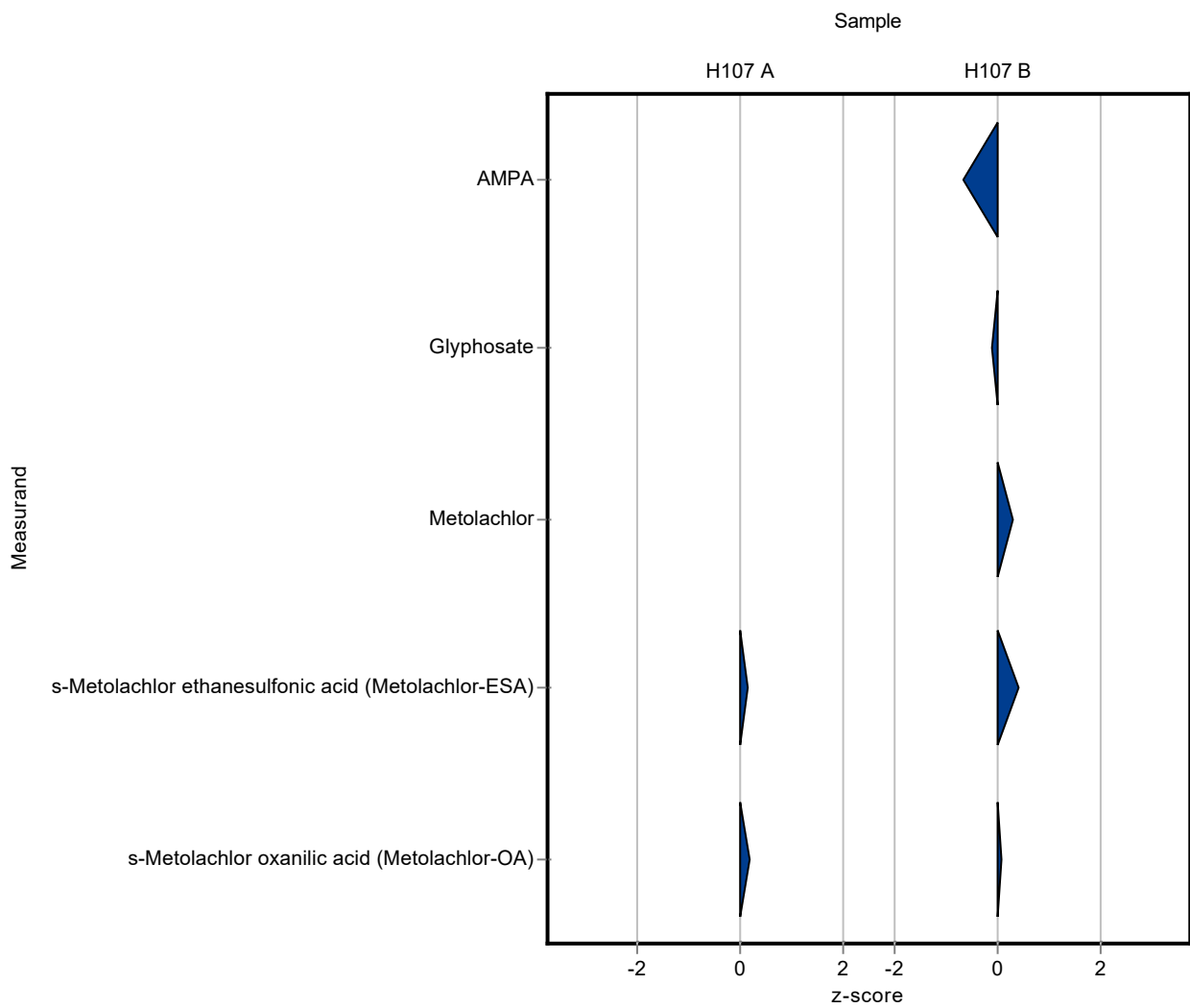
Sample: H107A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
2,4,5-Trichlorophenoxyacetic acid	µg/l	0.71 ± 0.0223	- ± -	0.128	-	-
2,4-D (2,4-Dichlorphenoxyaceticacid)	µg/l	0.472 ± 0.0351	- ± -	0.0661	-	-
Alachlor	µg/l	0.746 ± 0.0719	- ± -	0.0895	-	-
Alachlor-t-acid (Alachlor-OA)	µg/l	0.271 ± 0.0693	- ± -	0.0406	-	-
Alachlor-t-sulfonic acid (Alachlor-ESA)	µg/l	0.164 ± 0.0375	- ± -	0.0459	-	-
AMPA	µg/l	- ± -	0.127 ± 0.02	-	-	-
Bentazone	µg/l	0.353 ± 0.0127	- ± -	0.053	-	-
Dicamba	µg/l	0.931 ± 0.051	- ± -	0.186	-	-
Dichlorprop	µg/l	0.569 ± 0.0236	- ± -	0.0683	-	-
Glufosinate	µg/l	- ± -	- ± -	-	-	-
Glyphosate	µg/l	- ± -	<0.01 (LOQ) ± -	-	-	-
MCPP (Mecoprop)	µg/l	0.309 ± 0.012	- ± -	0.0402	-	-
Metazachlor	µg/l	- ± -	- ± -	-	-	-
Metazachlor ethane sulfonic acid (Metazachlor-ESA)	µg/l	0.357 ± 0.0245	- ± -	0.0679	-	-
Metazachlor oxanilic acid (Metazachlor-OA)	µg/l	0.304 ± 0.0331	- ± -	0.0639	-	-
Metolachlor	µg/l	- ± -	<0.01 (LOQ) ± -	-	-	-
s-Metolachlor ethanesulfonic acid (Metolachlor-ESA)	µg/l	0.394 ± 0.0335	0.406 ± 0.045	0.0788	103	0.15
s-Metolachlor oxanilic acid (Metolachlor-OA)	µg/l	0.206 ± 0.00504	0.212 ± 0.032	0.0289	103	0.20

Sample: H107B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
2,4,5-Trichlorophenoxyacetic acid	µg/l	0.443 ± 0.0161	- ± -	0.0798	-	-
2,4-D (2,4-Dichlorphenoxyaceticacid)	µg/l	0.323 ± 0.00337	- ± -	0.0452	-	-
Alachlor	µg/l	0.424 ± 0.0538	- ± -	0.0508	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alachlor-t-acid (Alachlor-OA)	µg/l	0.564 ± 0.134	- ± -	0.0846	-	-
Alachlor-t-sulfonic acid (Alachlor-ESA)	µg/l	- ± -	- ± -	-	-	-
AMPA	µg/l	0.184 ± 0.0175	0.168 ± 0.027	0.0239	91.4	-0.66
Bentazone	µg/l	0.285 ± 0.0158	- ± -	0.0427	-	-
Dicamba	µg/l	0.468 ± 0.0149	- ± -	0.0936	-	-
Dichlorprop	µg/l	0.223 ± 0.00566	- ± -	0.0267	-	-
Glufosinate	µg/l	- ± -	- ± -	-	-	-
Glyphosate	µg/l	0.247 ± 0.0123	0.242 ± 0.053	0.0495	97.8	-0.11
MCPP (Mecoprop)	µg/l	0.322 ± 0.017	- ± -	0.0419	-	-
Metazachlor	µg/l	0.476 ± 0.0236	- ± -	0.0571	-	-
Metazachlor ethane sulfonic acid (Metazachlor-ESA)	µg/l	0.136 ± 0.00969	- ± -	0.0258	-	-
Metazachlor oxanilic acid (Metazachlor-OA)	µg/l	- ± -	- ± -	-	-	-
Metolachlor	µg/l	0.513 ± 0.0147	0.536 ± 0.083	0.077	104	0.30
s-Metolachlor ethanesulfonic acid (Metolachlor-ESA)	µg/l	0.318 ± 0.0329	0.344 ± 0.038	0.0636	108	0.41
s-Metolachlor oxanilic acid (Metolachlor-OA)	µg/l	0.394 ± 0.0167	0.398 ± 0.03	0.0552	101	0.07



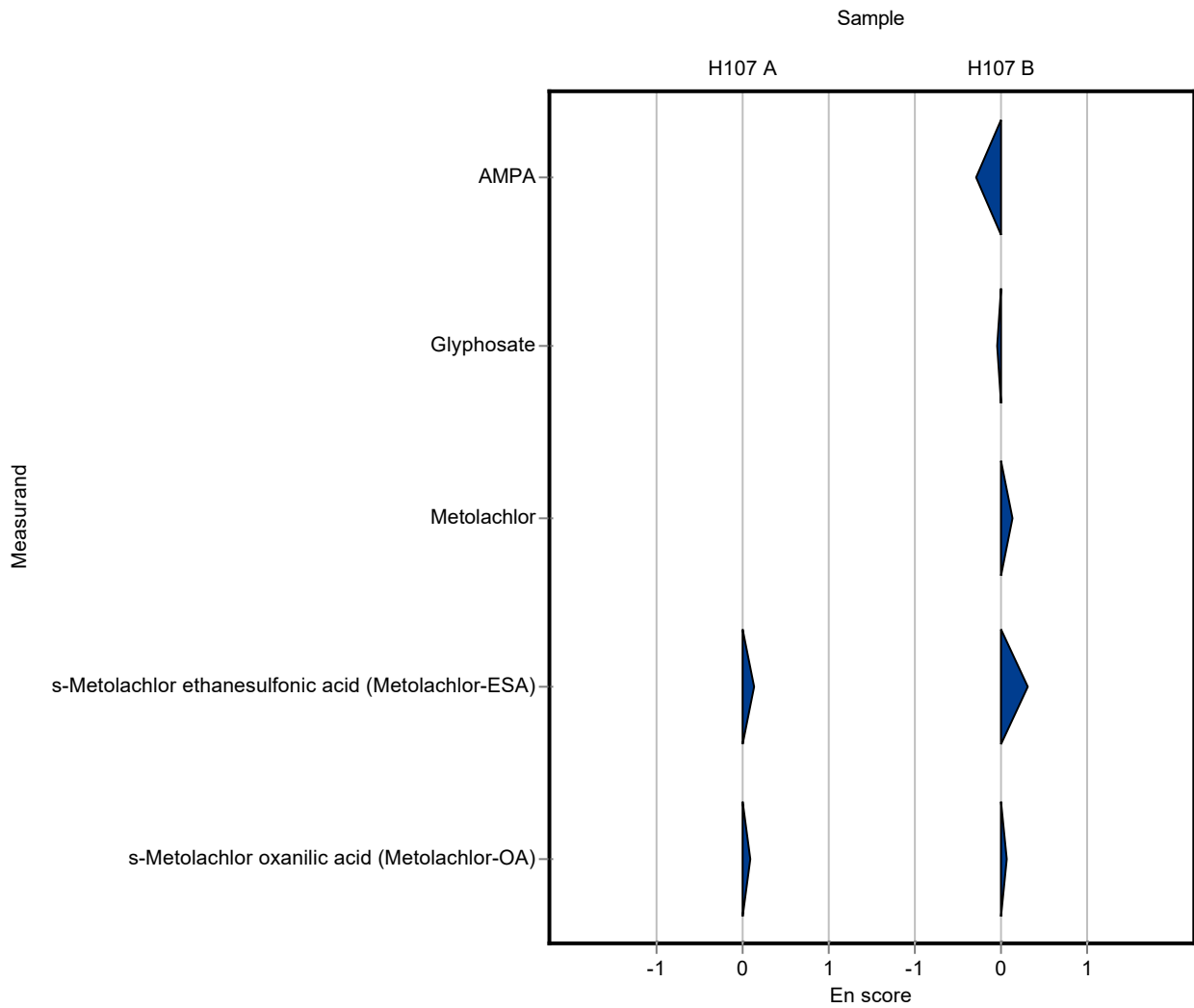
Sample: H107A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
2,4,5-Trichlorophenoxyacetic acid	µg/l	0.71 ± 0.0223	- ± -	0.128	-	-
2,4-D (2,4-Dichlorphenoxyaceticacid)	µg/l	0.472 ± 0.0351	- ± -	0.0661	-	-
Alachlor	µg/l	0.746 ± 0.0719	- ± -	0.0895	-	-
Alachlor-t-acid (Alachlor-OA)	µg/l	0.271 ± 0.0693	- ± -	0.0406	-	-
Alachlor-t-sulfonic acid (Alachlor-ESA)	µg/l	0.164 ± 0.0375	- ± -	0.0459	-	-
AMPA	µg/l	- ± -	0.127 ± 0.02	-	-	-
Bentazone	µg/l	0.353 ± 0.0127	- ± -	0.053	-	-
Dicamba	µg/l	0.931 ± 0.051	- ± -	0.186	-	-
Dichlorprop	µg/l	0.569 ± 0.0236	- ± -	0.0683	-	-
Glufosinate	µg/l	- ± -	- ± -	-	-	-
Glyphosate	µg/l	- ± -	<0.01 (LOQ) ± -	-	-	-
MCPP (Mecoprop)	µg/l	0.309 ± 0.012	- ± -	0.0402	-	-
Metazachlor	µg/l	- ± -	- ± -	-	-	-
Metazachlor ethane sulfonic acid (Metazachlor-ESA)	µg/l	0.357 ± 0.0245	- ± -	0.0679	-	-
Metazachlor oxanilic acid (Metazachlor-OA)	µg/l	0.304 ± 0.0331	- ± -	0.0639	-	-
Metolachlor	µg/l	- ± -	<0.01 (LOQ) ± -	-	-	-
s-Metolachlor ethanesulfonic acid (Metolachlor-ESA)	µg/l	0.394 ± 0.0335	0.406 ± 0.045	0.0788	103	0.13
s-Metolachlor oxanilic acid (Metolachlor-OA)	µg/l	0.206 ± 0.00504	0.212 ± 0.032	0.0289	103	0.09

Sample: H107B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
2,4,5-Trichlorophenoxyacetic acid	µg/l	0.443 ± 0.0161	- ± -	0.0798	-	-
2,4-D (2,4-Dichlorphenoxyaceticacid)	µg/l	0.323 ± 0.00337	- ± -	0.0452	-	-
Alachlor	µg/l	0.424 ± 0.0538	- ± -	0.0508	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alachlor-t-acid (Alachlor-OA)	µg/l	0.564 ± 0.134	- ± -	0.0846	-	-
Alachlor-t-sulfonic acid (Alachlor-ESA)	µg/l	- ± -	- ± -	-	-	-
AMPA	µg/l	0.184 ± 0.0175	0.168 ± 0.027	0.0239	91.4	-0.28
Bentazone	µg/l	0.285 ± 0.0158	- ± -	0.0427	-	-
Dicamba	µg/l	0.468 ± 0.0149	- ± -	0.0936	-	-
Dichlorprop	µg/l	0.223 ± 0.00566	- ± -	0.0267	-	-
Glufosinate	µg/l	- ± -	- ± -	-	-	-
Glyphosate	µg/l	0.247 ± 0.0123	0.242 ± 0.053	0.0495	97.8	-0.05
MCP (Mecoprop)	µg/l	0.322 ± 0.017	- ± -	0.0419	-	-
Metazachlor	µg/l	0.476 ± 0.0236	- ± -	0.0571	-	-
Metazachlor ethane sulfonic acid (Metazachlor-ESA)	µg/l	0.136 ± 0.00969	- ± -	0.0258	-	-
Metazachlor oxanilic acid (Metazachlor-OA)	µg/l	- ± -	- ± -	-	-	-
Metolachlor	µg/l	0.513 ± 0.0147	0.536 ± 0.083	0.077	104	0.14
s-Metolachlor ethanesulfonic acid (Metolachlor-ESA)	µg/l	0.318 ± 0.0329	0.344 ± 0.038	0.0636	108	0.31
s-Metolachlor oxanilic acid (Metolachlor-OA)	µg/l	0.394 ± 0.0167	0.398 ± 0.03	0.0552	101	0.06



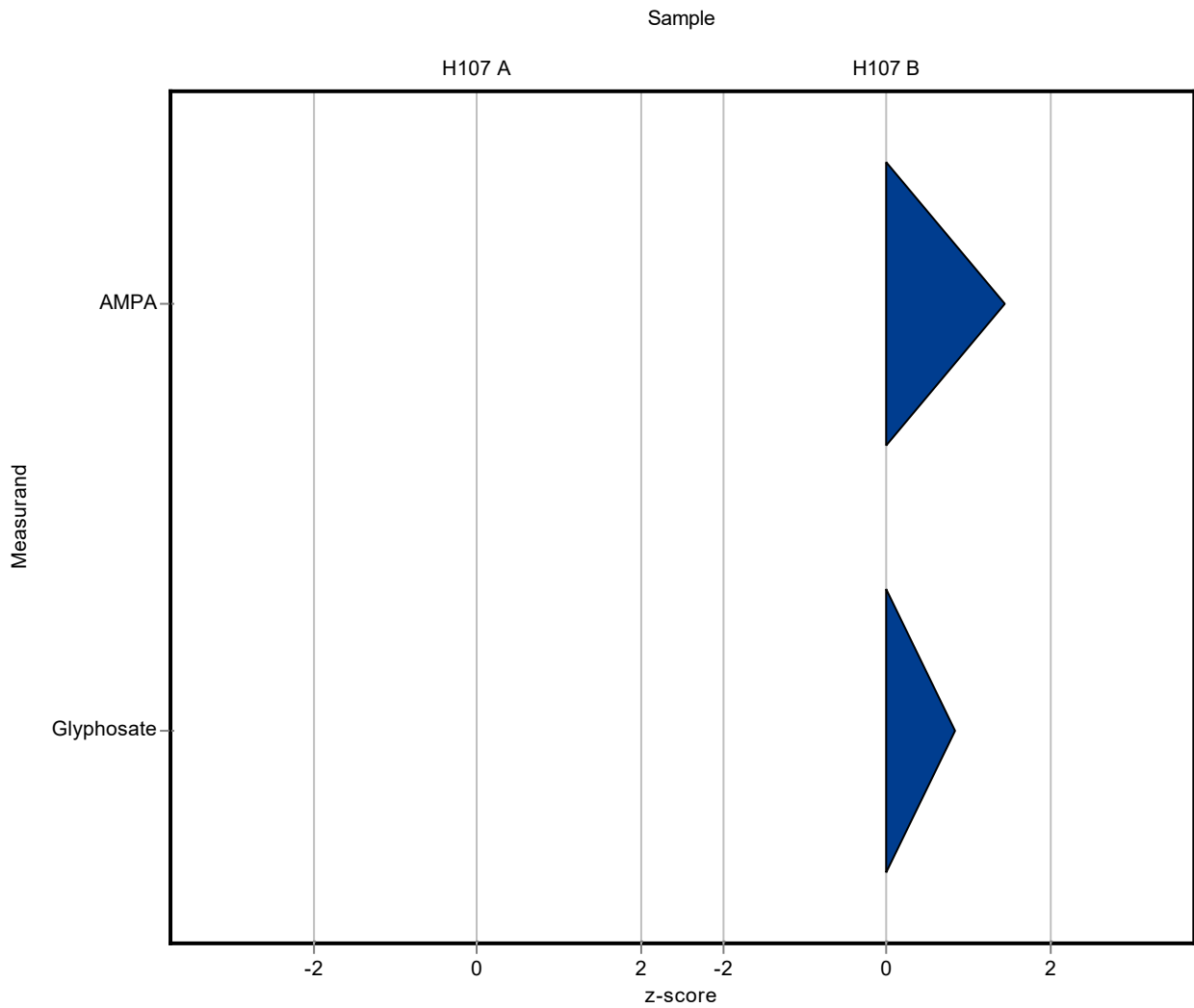
Sample: H107A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
2,4,5-Trichlorophenoxyacetic acid	µg/l	0.71 ± 0.0223	- ± -	0.128	-	-
2,4-D (2,4-Dichlorphenoxyaceticacid)	µg/l	0.472 ± 0.0351	- ± -	0.0661	-	-
Alachlor	µg/l	0.746 ± 0.0719	- ± -	0.0895	-	-
Alachlor-t-acid (Alachlor-OA)	µg/l	0.271 ± 0.0693	- ± -	0.0406	-	-
Alachlor-t-sulfonic acid (Alachlor-ESA)	µg/l	0.164 ± 0.0375	- ± -	0.0459	-	-
AMPA	µg/l	- ± -	0.209 ± 0.064	-	-	-
Bentazone	µg/l	0.353 ± 0.0127	- ± -	0.053	-	-
Dicamba	µg/l	0.931 ± 0.051	- ± -	0.186	-	-
Dichlorprop	µg/l	0.569 ± 0.0236	- ± -	0.0683	-	-
Glufosinate	µg/l	- ± -	- ± -	-	-	-
Glyphosate	µg/l	- ± -	<0.03 (LOQ) ± -	-	-	-
MCPP (Mecoprop)	µg/l	0.309 ± 0.012	- ± -	0.0402	-	-
Metazachlor	µg/l	- ± -	- ± -	-	-	-
Metazachlor ethane sulfonic acid (Metazachlor-ESA)	µg/l	0.357 ± 0.0245	- ± -	0.0679	-	-
Metazachlor oxanilic acid (Metazachlor-OA)	µg/l	0.304 ± 0.0331	- ± -	0.0639	-	-
Metolachlor	µg/l	- ± -	- ± -	-	-	-
s-Metolachlor ethanesulfonic acid (Metolachlor-ESA)	µg/l	0.394 ± 0.0335	- ± -	0.0788	-	-
s-Metolachlor oxanilic acid (Metolachlor-OA)	µg/l	0.206 ± 0.00504	- ± -	0.0289	-	-

Sample: H107B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
2,4,5-Trichlorophenoxyacetic acid	µg/l	0.443 ± 0.0161	- ± -	0.0798	-	-
2,4-D (2,4-Dichlorphenoxyaceticacid)	µg/l	0.323 ± 0.00337	- ± -	0.0452	-	-
Alachlor	µg/l	0.424 ± 0.0538	- ± -	0.0508	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alachlor-t-acid (Alachlor-OA)	µg/l	0.564 ± 0.134	- ± -	0.0846	-	-
Alachlor-t-sulfonic acid (Alachlor-ESA)	µg/l	- ± -	- ± -	-	-	-
AMPA	µg/l	0.184 ± 0.0175	0.218 ± 0.066	0.0239	119	1.43
Bentazone	µg/l	0.285 ± 0.0158	- ± -	0.0427	-	-
Dicamba	µg/l	0.468 ± 0.0149	- ± -	0.0936	-	-
Dichlorprop	µg/l	0.223 ± 0.00566	- ± -	0.0267	-	-
Glufosinate	µg/l	- ± -	- ± -	-	-	-
Glyphosate	µg/l	0.247 ± 0.0123	0.288 ± 0.09	0.0495	116	0.82
MCPP (Mecoprop)	µg/l	0.322 ± 0.017	- ± -	0.0419	-	-
Metazachlor	µg/l	0.476 ± 0.0236	- ± -	0.0571	-	-
Metazachlor ethane sulfonic acid (Metazachlor-ESA)	µg/l	0.136 ± 0.00969	- ± -	0.0258	-	-
Metazachlor oxanilic acid (Metazachlor-OA)	µg/l	- ± -	- ± -	-	-	-
Metolachlor	µg/l	0.513 ± 0.0147	- ± -	0.077	-	-
s-Metolachlor ethanesulfonic acid (Metolachlor-ESA)	µg/l	0.318 ± 0.0329	- ± -	0.0636	-	-
s-Metolachlor oxanilic acid (Metolachlor-OA)	µg/l	0.394 ± 0.0167	- ± -	0.0552	-	-



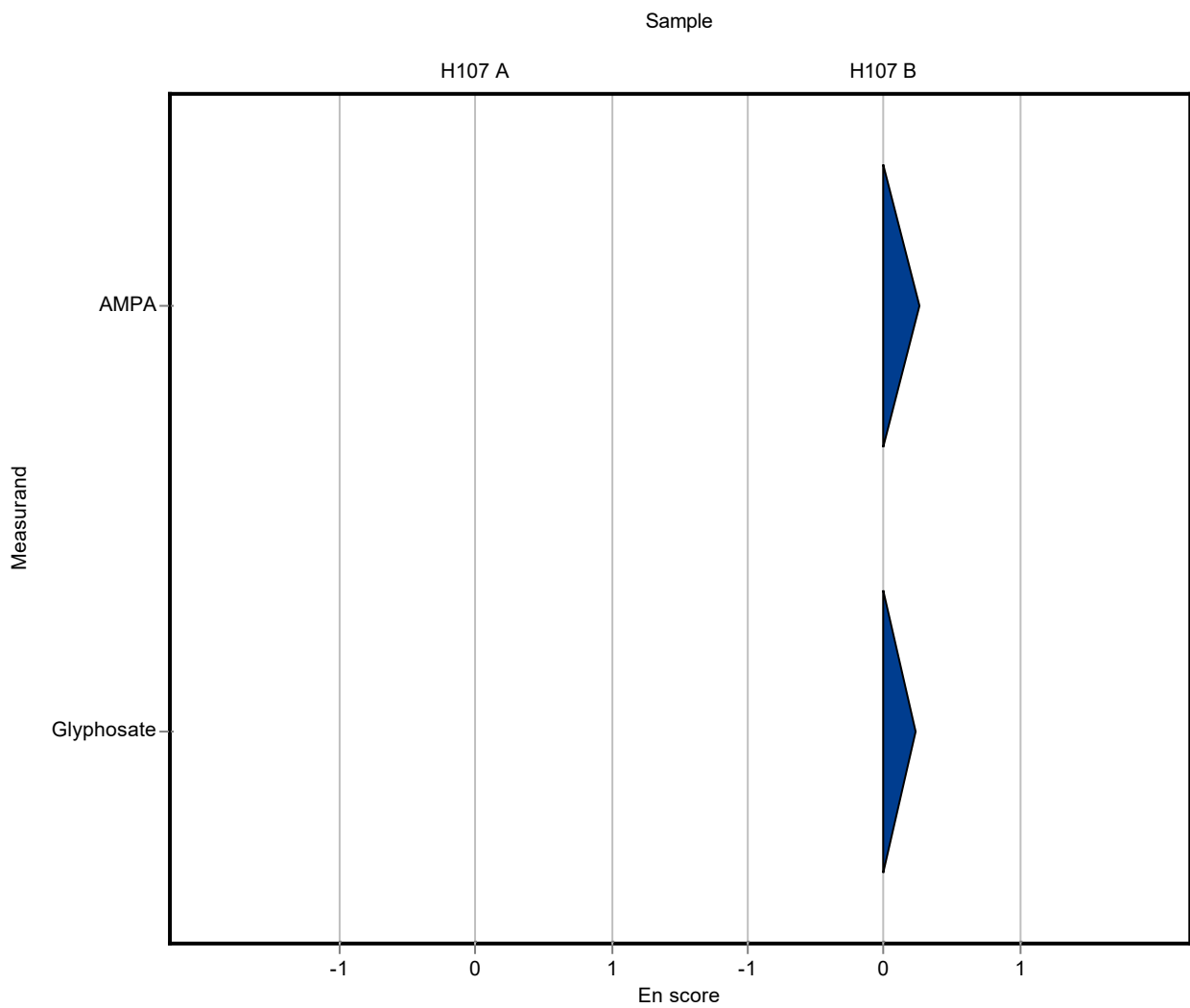
Sample: H107A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
2,4,5-Trichlorophenoxyacetic acid	µg/l	0.71 ± 0.0223	- ± -	0.128	-	-
2,4-D (2,4-Dichlorphenoxyaceticacid)	µg/l	0.472 ± 0.0351	- ± -	0.0661	-	-
Alachlor	µg/l	0.746 ± 0.0719	- ± -	0.0895	-	-
Alachlor-t-acid (Alachlor-OA)	µg/l	0.271 ± 0.0693	- ± -	0.0406	-	-
Alachlor-t-sulfonic acid (Alachlor-ESA)	µg/l	0.164 ± 0.0375	- ± -	0.0459	-	-
AMPA	µg/l	- ± -	0.209 ± 0.064	-	-	-
Bentazone	µg/l	0.353 ± 0.0127	- ± -	0.053	-	-
Dicamba	µg/l	0.931 ± 0.051	- ± -	0.186	-	-
Dichlorprop	µg/l	0.569 ± 0.0236	- ± -	0.0683	-	-
Glufosinate	µg/l	- ± -	- ± -	-	-	-
Glyphosate	µg/l	- ± -	<0.03 (LOQ) ± -	-	-	-
MCPP (Mecoprop)	µg/l	0.309 ± 0.012	- ± -	0.0402	-	-
Metazachlor	µg/l	- ± -	- ± -	-	-	-
Metazachlor ethane sulfonic acid (Metazachlor-ESA)	µg/l	0.357 ± 0.0245	- ± -	0.0679	-	-
Metazachlor oxanilic acid (Metazachlor-OA)	µg/l	0.304 ± 0.0331	- ± -	0.0639	-	-
Metolachlor	µg/l	- ± -	- ± -	-	-	-
s-Metolachlor ethanesulfonic acid (Metolachlor-ESA)	µg/l	0.394 ± 0.0335	- ± -	0.0788	-	-
s-Metolachlor oxanilic acid (Metolachlor-OA)	µg/l	0.206 ± 0.00504	- ± -	0.0289	-	-

Sample: H107B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
2,4,5-Trichlorophenoxyacetic acid	µg/l	0.443 ± 0.0161	- ± -	0.0798	-	-
2,4-D (2,4-Dichlorphenoxyaceticacid)	µg/l	0.323 ± 0.00337	- ± -	0.0452	-	-
Alachlor	µg/l	0.424 ± 0.0538	- ± -	0.0508	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alachlor-t-acid (Alachlor-OA)	µg/l	0.564 ± 0.134	- ± -	0.0846	-	-
Alachlor-t-sulfonic acid (Alachlor-ESA)	µg/l	- ± -	- ± -	-	-	-
AMPA	µg/l	0.184 ± 0.0175	0.218 ± 0.066	0.0239	119	0.26
Bentazone	µg/l	0.285 ± 0.0158	- ± -	0.0427	-	-
Dicamba	µg/l	0.468 ± 0.0149	- ± -	0.0936	-	-
Dichlorprop	µg/l	0.223 ± 0.00566	- ± -	0.0267	-	-
Glufosinate	µg/l	- ± -	- ± -	-	-	-
Glyphosate	µg/l	0.247 ± 0.0123	0.288 ± 0.09	0.0495	116	0.23
MCP (Mecoprop)	µg/l	0.322 ± 0.017	- ± -	0.0419	-	-
Metazachlor	µg/l	0.476 ± 0.0236	- ± -	0.0571	-	-
Metazachlor ethane sulfonic acid (Metazachlor-ESA)	µg/l	0.136 ± 0.00969	- ± -	0.0258	-	-
Metazachlor oxanilic acid (Metazachlor-OA)	µg/l	- ± -	- ± -	-	-	-
Metolachlor	µg/l	0.513 ± 0.0147	- ± -	0.077	-	-
s-Metolachlor ethanesulfonic acid (Metolachlor-ESA)	µg/l	0.318 ± 0.0329	- ± -	0.0636	-	-
s-Metolachlor oxanilic acid (Metolachlor-OA)	µg/l	0.394 ± 0.0167	- ± -	0.0552	-	-



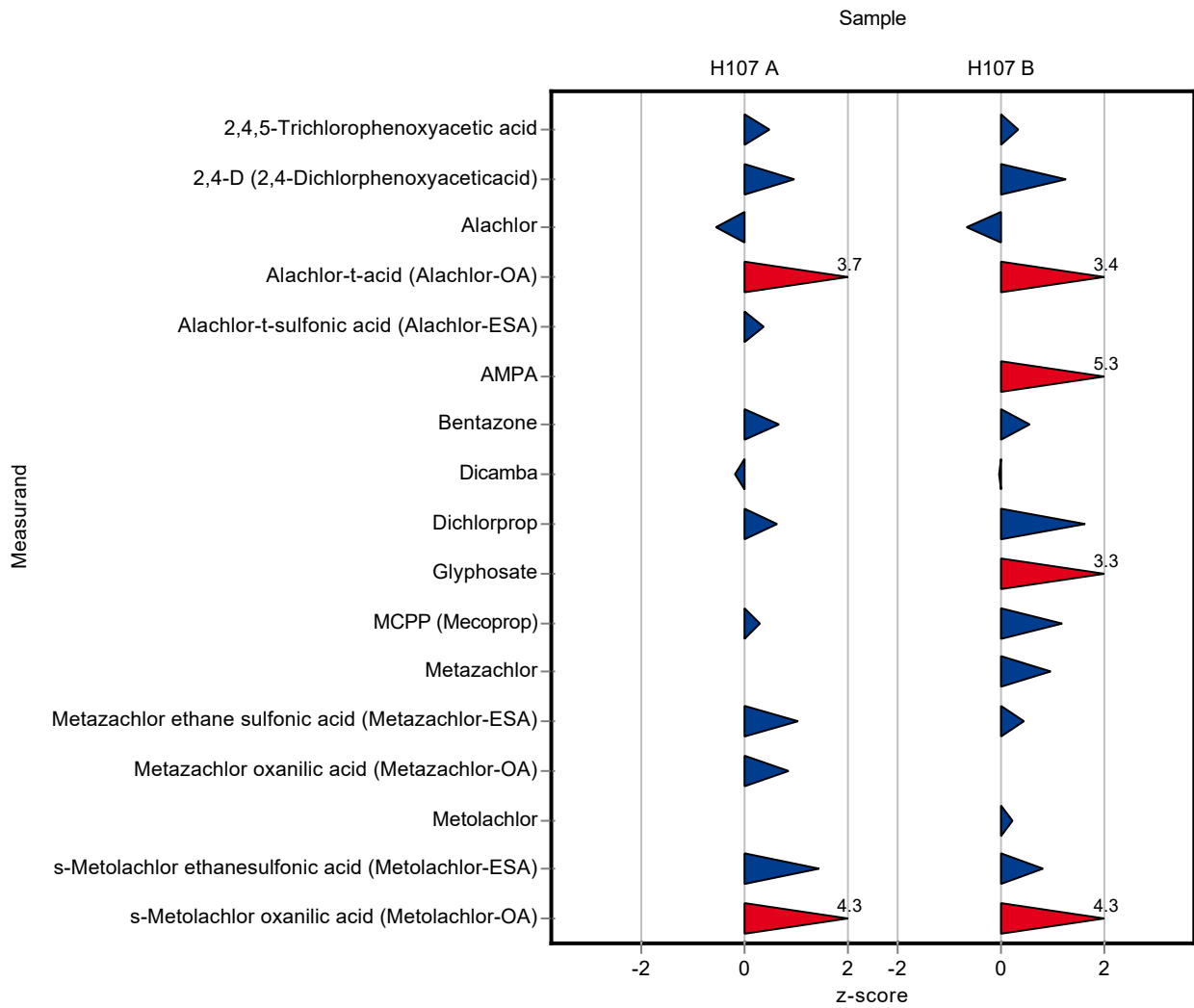
Sample: H107A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
2,4,5-Trichlorophenoxyacetic acid	µg/l	0.71 ± 0.0223	0.773 ± 0.097	0.128	109	0.49
2,4-D (2,4-Dichlorphenoxyaceticacid)	µg/l	0.472 ± 0.0351	0.536 ± 0.067	0.0661	114	0.97
Alachlor	µg/l	0.746 ± 0.0719	0.696 ± 0.087	0.0895	93.3	-0.56
Alachlor-t-acid (Alachlor-OA)	µg/l	0.271 ± 0.0693	0.42 ± 0.053	0.0406	155	3.67
Alachlor-t-sulfonic acid (Alachlor-ESA)	µg/l	0.164 ± 0.0375	0.182 ± 0.023	0.0459	111	0.39
AMPA	µg/l	- ± -	0.284 ± 0.036	-	-	-
Bentazone	µg/l	0.353 ± 0.0127	0.388 ± 0.049	0.053	110	0.66
Dicamba	µg/l	0.931 ± 0.051	0.897 ± 0.112	0.186	96.3	-0.18
Dichlorprop	µg/l	0.569 ± 0.0236	0.613 ± 0.077	0.0683	108	0.64
Glufosinate	µg/l	- ± -	0.53 ± 0.066	-	-	-
Glyphosate	µg/l	- ± -	<0.05 (LOQ) ± -	-	-	-
MCPP (Mecoprop)	µg/l	0.309 ± 0.012	0.321 ± 0.04	0.0402	104	0.30
Metazachlor	µg/l	- ± -	<0.03 (LOQ) ± -	-	-	-
Metazachlor ethane sulfonic acid (Metazachlor-ESA)	µg/l	0.357 ± 0.0245	0.429 ± 0.054	0.0679	120	1.06
Metazachlor oxanilic acid (Metazachlor-OA)	µg/l	0.304 ± 0.0331	0.36 ± 0.045	0.0639	118	0.87
Metolachlor	µg/l	- ± -	<0.03 (LOQ) ± -	-	-	-
s-Metolachlor ethanesulfonic acid (Metolachlor-ESA)	µg/l	0.394 ± 0.0335	0.51 ± 0.064	0.0788	129	1.47
s-Metolachlor oxanilic acid (Metolachlor-OA)	µg/l	0.206 ± 0.00504	0.33 ± 0.041	0.0289	160	4.29

Sample: H107B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
2,4,5-Trichlorophenoxyacetic acid	µg/l	0.443 ± 0.0161	0.47 ± 0.059	0.0798	106	0.34
2,4-D (2,4-Dichlorphenoxyaceticacid)	µg/l	0.323 ± 0.00337	0.38 ± 0.048	0.0452	118	1.26
Alachlor	µg/l	0.424 ± 0.0538	0.39 ± 0.049	0.0508	92.1	-0.66

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alachlor-t-acid (Alachlor-OA)	µg/l	0.564 ± 0.134	0.855 ± 0.107	0.0846	152	3.45
Alachlor-t-sulfonic acid (Alachlor-ESA)	µg/l	- ± -	0.185 ± 0.023	-	-	-
AMPA	µg/l	0.184 ± 0.0175	0.31 ± 0.039	0.0239	169	5.29
Bentazone	µg/l	0.285 ± 0.0158	0.308 ± 0.039	0.0427	108	0.55
Dicamba	µg/l	0.468 ± 0.0149	0.463 ± 0.058	0.0936	99	-0.05
Dichlorprop	µg/l	0.223 ± 0.00566	0.266 ± 0.033	0.0267	119	1.62
Glufosinate	µg/l	- ± -	0.15 ± 0.019	-	-	-
Glyphosate	µg/l	0.247 ± 0.0123	0.41 ± 0.051	0.0495	166	3.28
MCP (Mecoprop)	µg/l	0.322 ± 0.017	0.371 ± 0.046	0.0419	115	1.17
Metazachlor	µg/l	0.476 ± 0.0236	0.53 ± 0.066	0.0571	111	0.95
Metazachlor ethane sulfonic acid (Metazachlor-ESA)	µg/l	0.136 ± 0.00969	0.147 ± 0.018	0.0258	108	0.44
Metazachlor oxanilic acid (Metazachlor-OA)	µg/l	- ± -	<0.02 (LOQ) ± -	-	-	-
Metolachlor	µg/l	0.513 ± 0.0147	0.53 ± 0.066	0.077	103	0.22
s-Metolachlor ethanesulfonic acid (Metolachlor-ESA)	µg/l	0.318 ± 0.0329	0.37 ± 0.046	0.0636	116	0.82
s-Metolachlor oxanilic acid (Metolachlor-OA)	µg/l	0.394 ± 0.0167	0.63 ± 0.079	0.0552	160	4.27



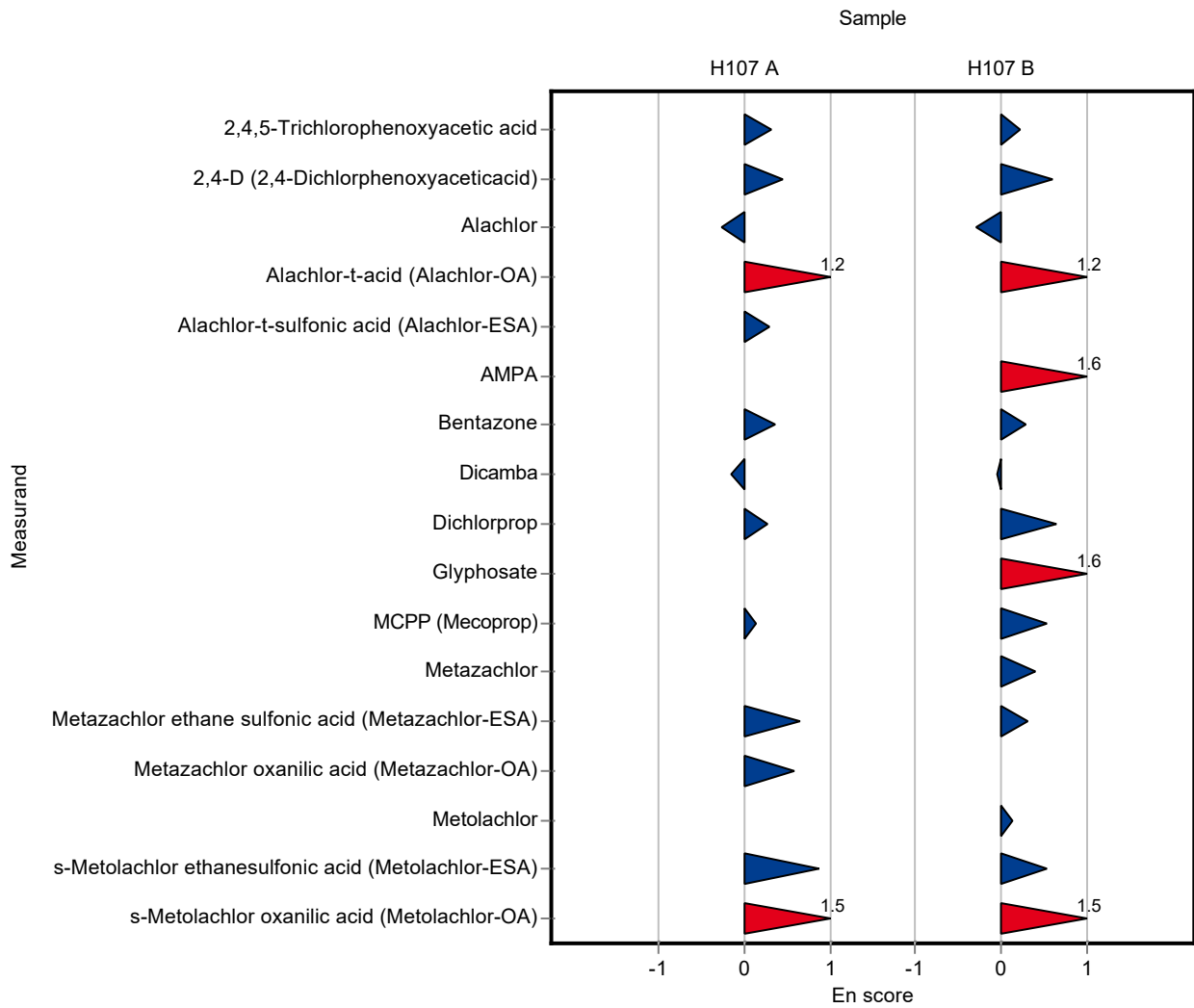
Sample: H107A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
2,4,5-Trichlorophenoxyacetic acid	µg/l	0.71 ± 0.0223	0.773 ± 0.097	0.128	109	0.32
2,4-D (2,4-Dichlorphenoxyaceticacid)	µg/l	0.472 ± 0.0351	0.536 ± 0.067	0.0661	114	0.46
Alachlor	µg/l	0.746 ± 0.0719	0.696 ± 0.087	0.0895	93.3	-0.27
Alachlor-t-acid (Alachlor-OA)	µg/l	0.271 ± 0.0693	0.42 ± 0.053	0.0406	155	1.18
Alachlor-t-sulfonic acid (Alachlor-ESA)	µg/l	0.164 ± 0.0375	0.182 ± 0.023	0.0459	111	0.30
AMPA	µg/l	- ± -	0.284 ± 0.036	-	-	-
Bentazone	µg/l	0.353 ± 0.0127	0.388 ± 0.049	0.053	110	0.35
Dicamba	µg/l	0.931 ± 0.051	0.897 ± 0.112	0.186	96.3	-0.15
Dichlorprop	µg/l	0.569 ± 0.0236	0.613 ± 0.077	0.0683	108	0.28
Glufosinate	µg/l	- ± -	0.53 ± 0.066	-	-	-
Glyphosate	µg/l	- ± -	<0.05 (LOQ) ± -	-	-	-
MCPP (Mecoprop)	µg/l	0.309 ± 0.012	0.321 ± 0.04	0.0402	104	0.15
Metazachlor	µg/l	- ± -	<0.03 (LOQ) ± -	-	-	-
Metazachlor ethane sulfonic acid (Metazachlor-ESA)	µg/l	0.357 ± 0.0245	0.429 ± 0.054	0.0679	120	0.65
Metazachlor oxanilic acid (Metazachlor-OA)	µg/l	0.304 ± 0.0331	0.36 ± 0.045	0.0639	118	0.58
Metolachlor	µg/l	- ± -	<0.03 (LOQ) ± -	-	-	-
s-Metolachlor ethanesulfonic acid (Metolachlor-ESA)	µg/l	0.394 ± 0.0335	0.51 ± 0.064	0.0788	129	0.88
s-Metolachlor oxanilic acid (Metolachlor-OA)	µg/l	0.206 ± 0.00504	0.33 ± 0.041	0.0289	160	1.51

Sample: H107B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
2,4,5-Trichlorophenoxyacetic acid	µg/l	0.443 ± 0.0161	0.47 ± 0.059	0.0798	106	0.23
2,4-D (2,4-Dichlorphenoxyaceticacid)	µg/l	0.323 ± 0.00337	0.38 ± 0.048	0.0452	118	0.59
Alachlor	µg/l	0.424 ± 0.0538	0.39 ± 0.049	0.0508	92.1	-0.30

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alachlor-t-acid (Alachlor-OA)	µg/l	0.564 ± 0.134	0.855 ± 0.107	0.0846	152	1.15
Alachlor-t-sulfonic acid (Alachlor-ESA)	µg/l	- ± -	0.185 ± 0.023	-	-	-
AMPA	µg/l	0.184 ± 0.0175	0.31 ± 0.039	0.0239	169	1.58
Bentazone	µg/l	0.285 ± 0.0158	0.308 ± 0.039	0.0427	108	0.29
Dicamba	µg/l	0.468 ± 0.0149	0.463 ± 0.058	0.0936	99	-0.04
Dichlorprop	µg/l	0.223 ± 0.00566	0.266 ± 0.033	0.0267	119	0.65
Glufosinate	µg/l	- ± -	0.15 ± 0.019	-	-	-
Glyphosate	µg/l	0.247 ± 0.0123	0.41 ± 0.051	0.0495	166	1.58
MCP (Mecoprop)	µg/l	0.322 ± 0.017	0.371 ± 0.046	0.0419	115	0.52
Metazachlor	µg/l	0.476 ± 0.0236	0.53 ± 0.066	0.0571	111	0.41
Metazachlor ethane sulfonic acid (Metazachlor-ESA)	µg/l	0.136 ± 0.00969	0.147 ± 0.018	0.0258	108	0.30
Metazachlor oxanilic acid (Metazachlor-OA)	µg/l	- ± -	<0.02 (LOQ) ± -	-	-	-
Metolachlor	µg/l	0.513 ± 0.0147	0.53 ± 0.066	0.077	103	0.13
s-Metolachlor ethanesulfonic acid (Metolachlor-ESA)	µg/l	0.318 ± 0.0329	0.37 ± 0.046	0.0636	116	0.53
s-Metolachlor oxanilic acid (Metolachlor-OA)	µg/l	0.394 ± 0.0167	0.63 ± 0.079	0.0552	160	1.48



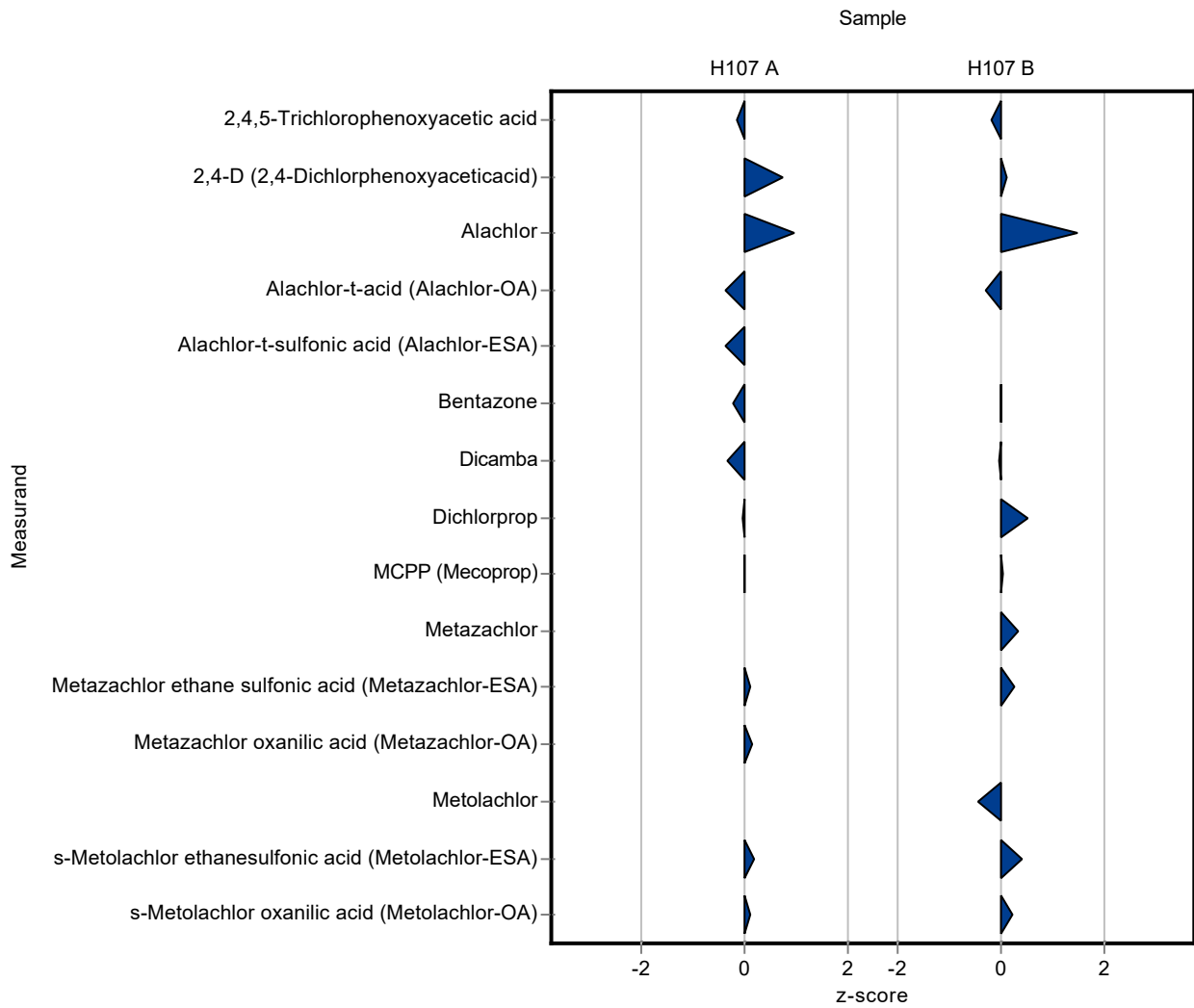
Sample: H107A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
2,4,5-Trichlorophenoxyacetic acid	µg/l	0.71 ± 0.0223	0.694 ± 0.104	0.128	97.7	-0.13
2,4-D (2,4-Dichlorphenoxyaceticacid)	µg/l	0.472 ± 0.0351	0.522 ± 0.078	0.0661	111	0.76
Alachlor	µg/l	0.746 ± 0.0719	0.835 ± 0.125	0.0895	112	0.99
Alachlor-t-acid (Alachlor-OA)	µg/l	0.271 ± 0.0693	0.256 ± 0.038	0.0406	94.5	-0.36
Alachlor-t-sulfonic acid (Alachlor-ESA)	µg/l	0.164 ± 0.0375	0.147 ± 0.022	0.0459	89.5	-0.38
AMPA	µg/l	- ± -	- ± -	-	-	-
Bentazone	µg/l	0.353 ± 0.0127	0.341 ± 0.051	0.053	96.6	-0.23
Dicamba	µg/l	0.931 ± 0.051	0.869 ± 0.13	0.186	93.3	-0.33
Dichlorprop	µg/l	0.569 ± 0.0236	0.566 ± 0.085	0.0683	99.5	-0.05
Glufosinate	µg/l	- ± -	- ± -	-	-	-
Glyphosate	µg/l	- ± -	- ± -	-	-	-
MCPP (Mecoprop)	µg/l	0.309 ± 0.012	0.309 ± 0.046	0.0402	100	0.00
Metazachlor	µg/l	- ± -	<0.03 (LOQ) ± -	-	-	-
Metazachlor ethane sulfonic acid (Metazachlor-ESA)	µg/l	0.357 ± 0.0245	0.366 ± 0.055	0.0679	102	0.13
Metazachlor oxanilic acid (Metazachlor-OA)	µg/l	0.304 ± 0.0331	0.314 ± 0.047	0.0639	103	0.15
Metolachlor	µg/l	- ± -	<0.03 (LOQ) ± -	-	-	-
s-Metolachlor ethanesulfonic acid (Metolachlor-ESA)	µg/l	0.394 ± 0.0335	0.41 ± 0.062	0.0788	104	0.20
s-Metolachlor oxanilic acid (Metolachlor-OA)	µg/l	0.206 ± 0.00504	0.21 ± 0.032	0.0289	102	0.13

Sample: H107B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
2,4,5-Trichlorophenoxyacetic acid	µg/l	0.443 ± 0.0161	0.427 ± 0.064	0.0798	96.4	-0.20
2,4-D (2,4-Dichlorphenoxyaceticacid)	µg/l	0.323 ± 0.00337	0.328 ± 0.049	0.0452	102	0.11
Alachlor	µg/l	0.424 ± 0.0538	0.498 ± 0.075	0.0508	118	1.46

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alachlor-t-acid (Alachlor-OA)	µg/l	0.564 ± 0.134	0.538 ± 0.081	0.0846	95.4	-0.30
Alachlor-t-sulfonic acid (Alachlor-ESA)	µg/l	- ± -	0.172 ± 0.026	-	-	-
AMPA	µg/l	0.184 ± 0.0175	- ± -	0.0239	-	-
Bentazone	µg/l	0.285 ± 0.0158	0.284 ± 0.043	0.0427	99.8	-0.01
Dicamba	µg/l	0.468 ± 0.0149	0.465 ± 0.07	0.0936	99.4	-0.03
Dichlorprop	µg/l	0.223 ± 0.00566	0.237 ± 0.035	0.0267	106	0.53
Glufosinate	µg/l	- ± -	- ± -	-	-	-
Glyphosate	µg/l	0.247 ± 0.0123	- ± -	0.0495	-	-
MCP (Mecoprop)	µg/l	0.322 ± 0.017	0.323 ± 0.048	0.0419	100	0.02
Metazachlor	µg/l	0.476 ± 0.0236	0.494 ± 0.074	0.0571	104	0.32
Metazachlor ethane sulfonic acid (Metazachlor-ESA)	µg/l	0.136 ± 0.00969	0.142 ± 0.021	0.0258	105	0.24
Metazachlor oxanilic acid (Metazachlor-OA)	µg/l	- ± -	<0.03 (LOQ) ± -	-	-	-
Metolachlor	µg/l	0.513 ± 0.0147	0.478 ± 0.072	0.077	93.2	-0.46
s-Metolachlor ethanesulfonic acid (Metolachlor-ESA)	µg/l	0.318 ± 0.0329	0.344 ± 0.052	0.0636	108	0.41
s-Metolachlor oxanilic acid (Metolachlor-OA)	µg/l	0.394 ± 0.0167	0.407 ± 0.061	0.0552	103	0.23



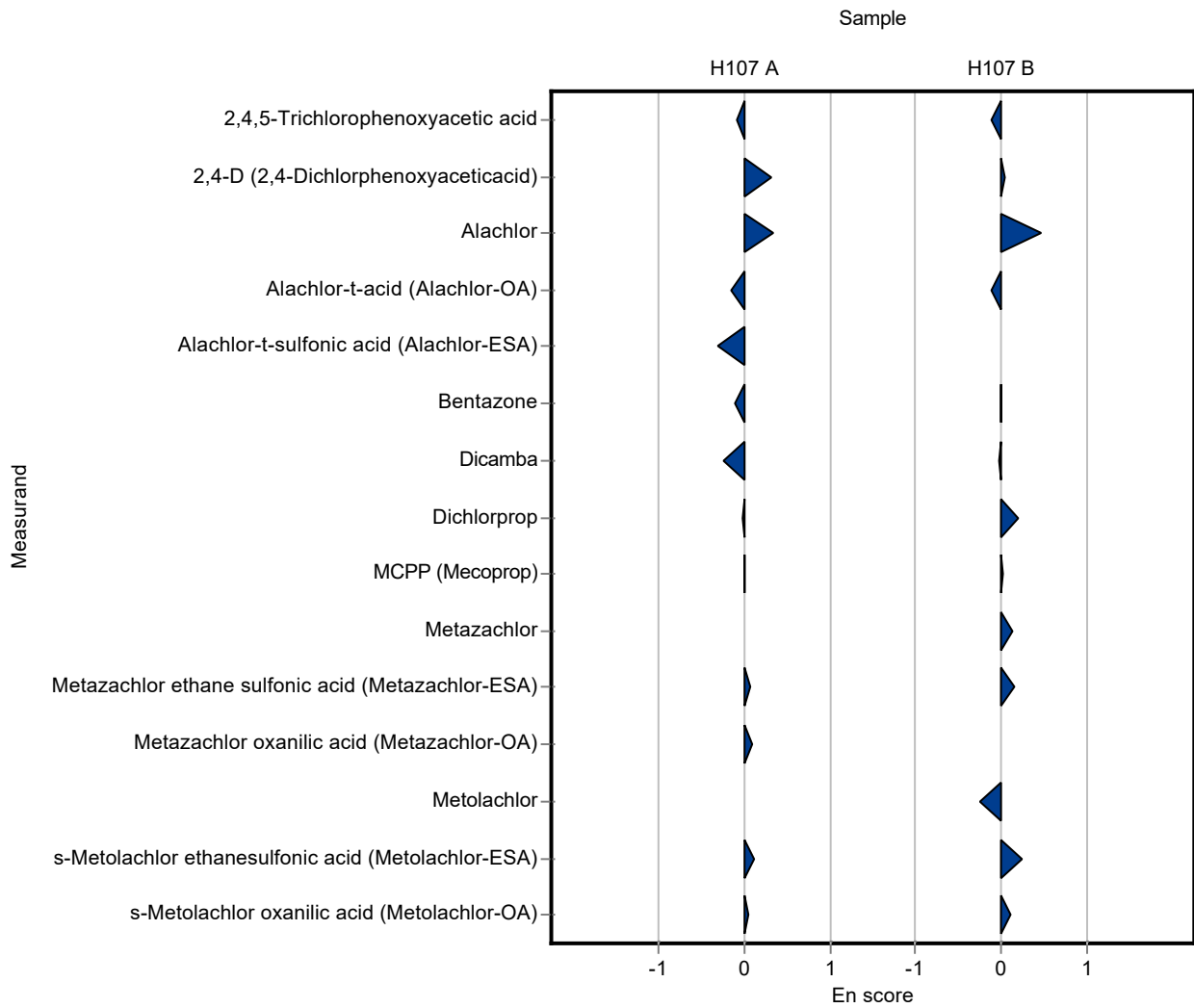
Sample: H107A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
2,4,5-Trichlorophenoxyacetic acid	µg/l	0.71 ± 0.0223	0.694 ± 0.104	0.128	97.7	-0.08
2,4-D (2,4-Dichlorphenoxyaceticacid)	µg/l	0.472 ± 0.0351	0.522 ± 0.078	0.0661	111	0.31
Alachlor	µg/l	0.746 ± 0.0719	0.835 ± 0.125	0.0895	112	0.34
Alachlor-t-acid (Alachlor-OA)	µg/l	0.271 ± 0.0693	0.256 ± 0.038	0.0406	94.5	-0.14
Alachlor-t-sulfonic acid (Alachlor-ESA)	µg/l	0.164 ± 0.0375	0.147 ± 0.022	0.0459	89.5	-0.30
AMPA	µg/l	- ± -	- ± -	-	-	-
Bentazone	µg/l	0.353 ± 0.0127	0.341 ± 0.051	0.053	96.6	-0.12
Dicamba	µg/l	0.931 ± 0.051	0.869 ± 0.13	0.186	93.3	-0.23
Dichlorprop	µg/l	0.569 ± 0.0236	0.566 ± 0.085	0.0683	99.5	-0.02
Glufosinate	µg/l	- ± -	- ± -	-	-	-
Glyphosate	µg/l	- ± -	- ± -	-	-	-
MCPP (Mecoprop)	µg/l	0.309 ± 0.012	0.309 ± 0.046	0.0402	100	0.00
Metazachlor	µg/l	- ± -	<0.03 (LOQ) ± -	-	-	-
Metazachlor ethane sulfonic acid (Metazachlor-ESA)	µg/l	0.357 ± 0.0245	0.366 ± 0.055	0.0679	102	0.08
Metazachlor oxanilic acid (Metazachlor-OA)	µg/l	0.304 ± 0.0331	0.314 ± 0.047	0.0639	103	0.10
Metolachlor	µg/l	- ± -	<0.03 (LOQ) ± -	-	-	-
s-Metolachlor ethanesulfonic acid (Metolachlor-ESA)	µg/l	0.394 ± 0.0335	0.41 ± 0.062	0.0788	104	0.13
s-Metolachlor oxanilic acid (Metolachlor-OA)	µg/l	0.206 ± 0.00504	0.21 ± 0.032	0.0289	102	0.06

Sample: H107B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
2,4,5-Trichlorophenoxyacetic acid	µg/l	0.443 ± 0.0161	0.427 ± 0.064	0.0798	96.4	-0.13
2,4-D (2,4-Dichlorphenoxyaceticacid)	µg/l	0.323 ± 0.00337	0.328 ± 0.049	0.0452	102	0.05
Alachlor	µg/l	0.424 ± 0.0538	0.498 ± 0.075	0.0508	118	0.47

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alachlor-t-acid (Alachlor-OA)	µg/l	0.564 ± 0.134	0.538 ± 0.081	0.0846	95.4	-0.12
Alachlor-t-sulfonic acid (Alachlor-ESA)	µg/l	- ± -	0.172 ± 0.026	-	-	-
AMPA	µg/l	0.184 ± 0.0175	- ± -	0.0239	-	-
Bentazone	µg/l	0.285 ± 0.0158	0.284 ± 0.043	0.0427	99.8	-0.01
Dicamba	µg/l	0.468 ± 0.0149	0.465 ± 0.07	0.0936	99.4	-0.02
Dichlorprop	µg/l	0.223 ± 0.00566	0.237 ± 0.035	0.0267	106	0.20
Glufosinate	µg/l	- ± -	- ± -	-	-	-
Glyphosate	µg/l	0.247 ± 0.0123	- ± -	0.0495	-	-
MCPP (Mecoprop)	µg/l	0.322 ± 0.017	0.323 ± 0.048	0.0419	100	0.01
Metazachlor	µg/l	0.476 ± 0.0236	0.494 ± 0.074	0.0571	104	0.12
Metazachlor ethane sulfonic acid (Metazachlor-ESA)	µg/l	0.136 ± 0.00969	0.142 ± 0.021	0.0258	105	0.14
Metazachlor oxanilic acid (Metazachlor-OA)	µg/l	- ± -	<0.03 (LOQ) ± -	-	-	-
Metolachlor	µg/l	0.513 ± 0.0147	0.478 ± 0.072	0.077	93.2	-0.24
s-Metolachlor ethanesulfonic acid (Metolachlor-ESA)	µg/l	0.318 ± 0.0329	0.344 ± 0.052	0.0636	108	0.24
s-Metolachlor oxanilic acid (Metolachlor-OA)	µg/l	0.394 ± 0.0167	0.407 ± 0.061	0.0552	103	0.10



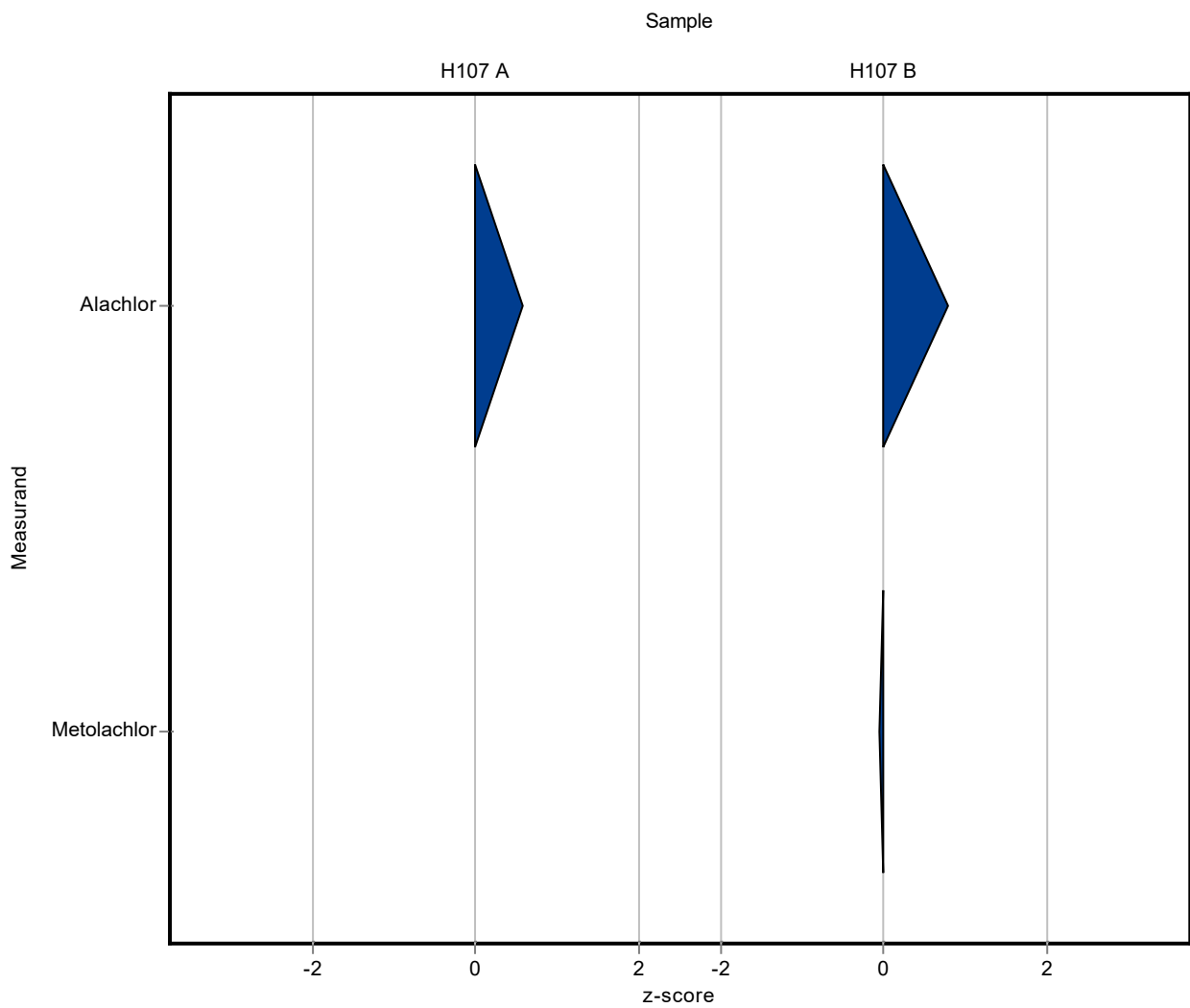
Sample: H107A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
2,4,5-Trichlorophenoxyacetic acid	µg/l	0.71 ± 0.0223	- ± -	0.128	-	-
2,4-D (2,4-Dichlorphenoxyaceticacid)	µg/l	0.472 ± 0.0351	- ± -	0.0661	-	-
Alachlor	µg/l	0.746 ± 0.0719	0.797 ± 0.018	0.0895	107	0.57
Alachlor-t-acid (Alachlor-OA)	µg/l	0.271 ± 0.0693	- ± -	0.0406	-	-
Alachlor-t-sulfonic acid (Alachlor-ESA)	µg/l	0.164 ± 0.0375	- ± -	0.0459	-	-
AMPA	µg/l	- ± -	- ± -	-	-	-
Bentazone	µg/l	0.353 ± 0.0127	- ± -	0.053	-	-
Dicamba	µg/l	0.931 ± 0.051	- ± -	0.186	-	-
Dichlorprop	µg/l	0.569 ± 0.0236	- ± -	0.0683	-	-
Glufosinate	µg/l	- ± -	- ± -	-	-	-
Glyphosate	µg/l	- ± -	- ± -	-	-	-
MCPP (Mecoprop)	µg/l	0.309 ± 0.012	- ± -	0.0402	-	-
Metazachlor	µg/l	- ± -	- ± -	-	-	-
Metazachlor ethane sulfonic acid (Metazachlor-ESA)	µg/l	0.357 ± 0.0245	- ± -	0.0679	-	-
Metazachlor oxanilic acid (Metazachlor-OA)	µg/l	0.304 ± 0.0331	- ± -	0.0639	-	-
Metolachlor	µg/l	- ± -	<0.03 (LOQ) ± -	-	-	-
s-Metolachlor ethanesulfonic acid (Metolachlor-ESA)	µg/l	0.394 ± 0.0335	- ± -	0.0788	-	-
s-Metolachlor oxanilic acid (Metolachlor-OA)	µg/l	0.206 ± 0.00504	- ± -	0.0289	-	-

Sample: H107B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
2,4,5-Trichlorophenoxyacetic acid	µg/l	0.443 ± 0.0161	- ± -	0.0798	-	-
2,4-D (2,4-Dichlorphenoxyaceticacid)	µg/l	0.323 ± 0.00337	- ± -	0.0452	-	-
Alachlor	µg/l	0.424 ± 0.0538	0.463 ± 0.017	0.0508	109	0.78

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alachlor-t-acid (Alachlor-OA)	µg/l	0.564 ± 0.134	- ± -	0.0846	-	-
Alachlor-t-sulfonic acid (Alachlor-ESA)	µg/l	- ± -	- ± -	-	-	-
AMPA	µg/l	0.184 ± 0.0175	- ± -	0.0239	-	-
Bentazone	µg/l	0.285 ± 0.0158	- ± -	0.0427	-	-
Dicamba	µg/l	0.468 ± 0.0149	- ± -	0.0936	-	-
Dichlorprop	µg/l	0.223 ± 0.00566	- ± -	0.0267	-	-
Glufosinate	µg/l	- ± -	- ± -	-	-	-
Glyphosate	µg/l	0.247 ± 0.0123	- ± -	0.0495	-	-
MCPP (Mecoprop)	µg/l	0.322 ± 0.017	- ± -	0.0419	-	-
Metazachlor	µg/l	0.476 ± 0.0236	- ± -	0.0571	-	-
Metazachlor ethane sulfonic acid (Metazachlor-ESA)	µg/l	0.136 ± 0.00969	- ± -	0.0258	-	-
Metazachlor oxanilic acid (Metazachlor-OA)	µg/l	- ± -	- ± -	-	-	-
Metolachlor	µg/l	0.513 ± 0.0147	0.508 ± 0.017	0.077	99	-0.06
s-Metolachlor ethanesulfonic acid (Metolachlor-ESA)	µg/l	0.318 ± 0.0329	- ± -	0.0636	-	-
s-Metolachlor oxanilic acid (Metolachlor-OA)	µg/l	0.394 ± 0.0167	- ± -	0.0552	-	-



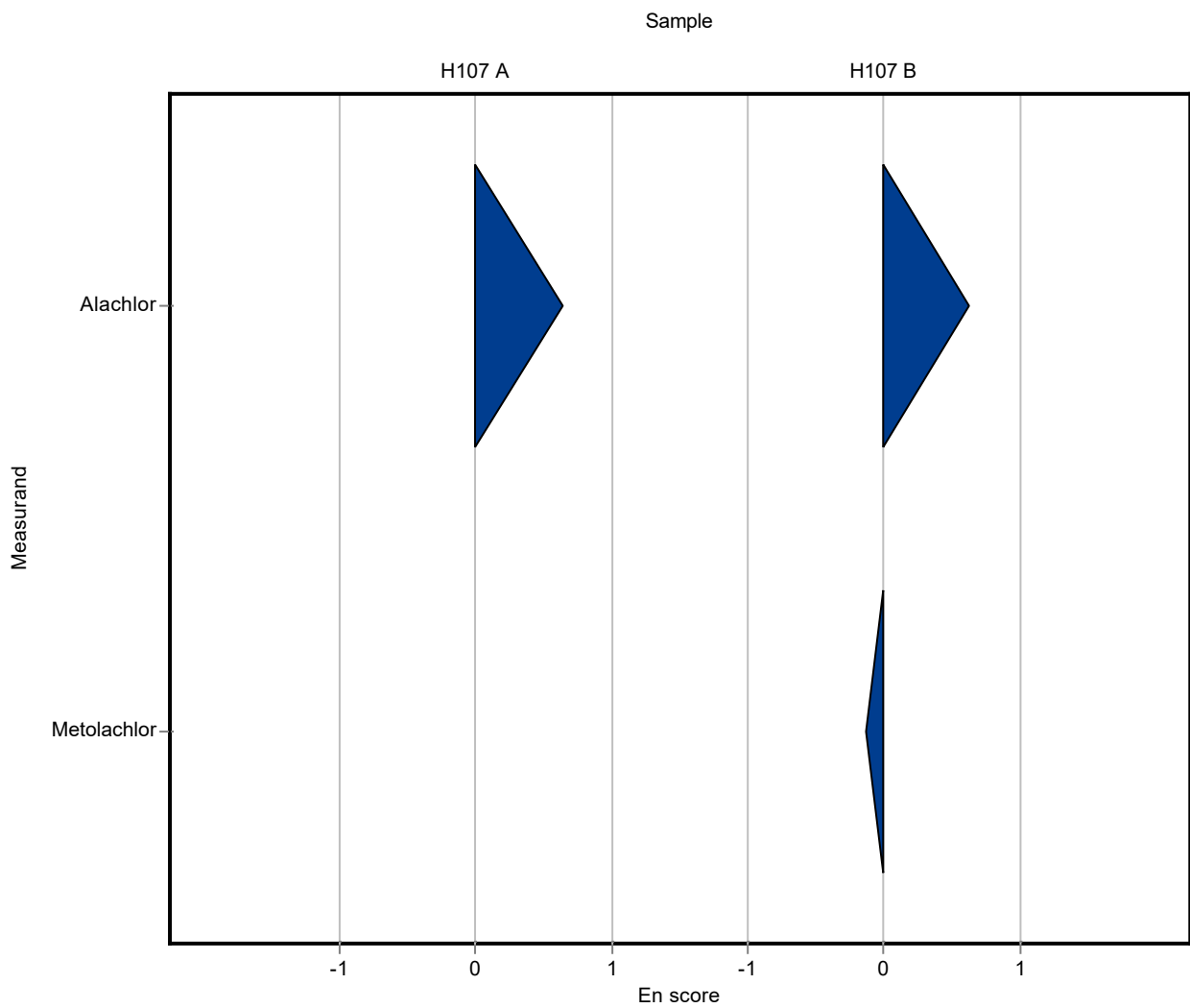
Sample: H107A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
2,4,5-Trichlorophenoxyacetic acid	µg/l	0.71 ± 0.0223	- ± -	0.128	-	-
2,4-D (2,4-Dichlorphenoxyaceticacid)	µg/l	0.472 ± 0.0351	- ± -	0.0661	-	-
Alachlor	µg/l	0.746 ± 0.0719	0.797 ± 0.018	0.0895	107	0.63
Alachlor-t-acid (Alachlor-OA)	µg/l	0.271 ± 0.0693	- ± -	0.0406	-	-
Alachlor-t-sulfonic acid (Alachlor-ESA)	µg/l	0.164 ± 0.0375	- ± -	0.0459	-	-
AMPA	µg/l	- ± -	- ± -	-	-	-
Bentazone	µg/l	0.353 ± 0.0127	- ± -	0.053	-	-
Dicamba	µg/l	0.931 ± 0.051	- ± -	0.186	-	-
Dichlorprop	µg/l	0.569 ± 0.0236	- ± -	0.0683	-	-
Glufosinate	µg/l	- ± -	- ± -	-	-	-
Glyphosate	µg/l	- ± -	- ± -	-	-	-
MCPP (Mecoprop)	µg/l	0.309 ± 0.012	- ± -	0.0402	-	-
Metazachlor	µg/l	- ± -	- ± -	-	-	-
Metazachlor ethane sulfonic acid (Metazachlor-ESA)	µg/l	0.357 ± 0.0245	- ± -	0.0679	-	-
Metazachlor oxanilic acid (Metazachlor-OA)	µg/l	0.304 ± 0.0331	- ± -	0.0639	-	-
Metolachlor	µg/l	- ± -	<0.03 (LOQ) ± -	-	-	-
s-Metolachlor ethanesulfonic acid (Metolachlor-ESA)	µg/l	0.394 ± 0.0335	- ± -	0.0788	-	-
s-Metolachlor oxanilic acid (Metolachlor-OA)	µg/l	0.206 ± 0.00504	- ± -	0.0289	-	-

Sample: H107B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
2,4,5-Trichlorophenoxyacetic acid	µg/l	0.443 ± 0.0161	- ± -	0.0798	-	-
2,4-D (2,4-Dichlorphenoxyaceticacid)	µg/l	0.323 ± 0.00337	- ± -	0.0452	-	-
Alachlor	µg/l	0.424 ± 0.0538	0.463 ± 0.017	0.0508	109	0.62

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alachlor-t-acid (Alachlor-OA)	µg/l	0.564 ± 0.134	- ± -	0.0846	-	-
Alachlor-t-sulfonic acid (Alachlor-ESA)	µg/l	- ± -	- ± -	-	-	-
AMPA	µg/l	0.184 ± 0.0175	- ± -	0.0239	-	-
Bentazone	µg/l	0.285 ± 0.0158	- ± -	0.0427	-	-
Dicamba	µg/l	0.468 ± 0.0149	- ± -	0.0936	-	-
Dichlorprop	µg/l	0.223 ± 0.00566	- ± -	0.0267	-	-
Glufosinate	µg/l	- ± -	- ± -	-	-	-
Glyphosate	µg/l	0.247 ± 0.0123	- ± -	0.0495	-	-
MCP (Mecoprop)	µg/l	0.322 ± 0.017	- ± -	0.0419	-	-
Metazachlor	µg/l	0.476 ± 0.0236	- ± -	0.0571	-	-
Metazachlor ethane sulfonic acid (Metazachlor-ESA)	µg/l	0.136 ± 0.00969	- ± -	0.0258	-	-
Metazachlor oxanilic acid (Metazachlor-OA)	µg/l	- ± -	- ± -	-	-	-
Metolachlor	µg/l	0.513 ± 0.0147	0.508 ± 0.017	0.077	99	-0.14
s-Metolachlor ethanesulfonic acid (Metolachlor-ESA)	µg/l	0.318 ± 0.0329	- ± -	0.0636	-	-
s-Metolachlor oxanilic acid (Metolachlor-OA)	µg/l	0.394 ± 0.0167	- ± -	0.0552	-	-



Sample: H107A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
2,4,5-Trichlorophenoxyacetic acid	µg/l	0.71 ± 0.0223	- ± -	0.128	-	-
2,4-D (2,4-Dichlorphenoxyaceticacid)	µg/l	0.472 ± 0.0351	- ± -	0.0661	-	-
Alachlor	µg/l	0.746 ± 0.0719	- ± -	0.0895	-	-
Alachlor-t-acid (Alachlor-OA)	µg/l	0.271 ± 0.0693	- ± -	0.0406	-	-
Alachlor-t-sulfonic acid (Alachlor-ESA)	µg/l	0.164 ± 0.0375	- ± -	0.0459	-	-
AMPA	µg/l	- ± -	<0.1 (LOQ) ± -	-	-	-
Bentazone	µg/l	0.353 ± 0.0127	- ± -	0.053	-	-
Dicamba	µg/l	0.931 ± 0.051	- ± -	0.186	-	-
Dichlorprop	µg/l	0.569 ± 0.0236	- ± -	0.0683	-	-
Glufosinate	µg/l	- ± -	- ± -	-	-	-
Glyphosate	µg/l	- ± -	<0.1 (LOQ) ± -	-	-	-
MCPP (Mecoprop)	µg/l	0.309 ± 0.012	- ± -	0.0402	-	-
Metazachlor	µg/l	- ± -	<0.05 (LOQ) ± -	-	-	-
Metazachlor ethane sulfonic acid (Metazachlor-ESA)	µg/l	0.357 ± 0.0245	- ± -	0.0679	-	-
Metazachlor oxanilic acid (Metazachlor-OA)	µg/l	0.304 ± 0.0331	- ± -	0.0639	-	-
Metolachlor	µg/l	- ± -	<0.05 (LOQ) ± -	-	-	-
s-Metolachlor ethanesulfonic acid (Metolachlor-ESA)	µg/l	0.394 ± 0.0335	- ± -	0.0788	-	-
s-Metolachlor oxanilic acid (Metolachlor-OA)	µg/l	0.206 ± 0.00504	- ± -	0.0289	-	-

Sample: H107B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
2,4,5-Trichlorophenoxyacetic acid	µg/l	0.443 ± 0.0161	- ± -	0.0798	-	-
2,4-D (2,4-Dichlorphenoxyaceticacid)	µg/l	0.323 ± 0.00337	- ± -	0.0452	-	-
Alachlor	µg/l	0.424 ± 0.0538	- ± -	0.0508	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alachlor-t-acid (Alachlor-OA)	µg/l	0.564 ± 0.134	- ± -	0.0846	-	-
Alachlor-t-sulfonic acid (Alachlor-ESA)	µg/l	- ± -	- ± -	-	-	-
AMPA	µg/l	0.184 ± 0.0175	0.21258 ± 0.032	0.0239	116	1.21
Bentazone	µg/l	0.285 ± 0.0158	- ± -	0.0427	-	-
Dicamba	µg/l	0.468 ± 0.0149	- ± -	0.0936	-	-
Dichlorprop	µg/l	0.223 ± 0.00566	- ± -	0.0267	-	-
Glufosinate	µg/l	- ± -	- ± -	-	-	-
Glyphosate	µg/l	0.247 ± 0.0123	0.24096 ± 0.036	0.0495	97.4	-0.13
MCP (Mecoprop)	µg/l	0.322 ± 0.017	- ± -	0.0419	-	-
Metazachlor	µg/l	0.476 ± 0.0236	0.448 ± 0.067	0.0571	94.2	-0.48
Metazachlor ethane sulfonic acid (Metazachlor-ESA)	µg/l	0.136 ± 0.00969	- ± -	0.0258	-	-
Metazachlor oxanilic acid (Metazachlor-OA)	µg/l	- ± -	- ± -	-	-	-
Metolachlor	µg/l	0.513 ± 0.0147	0.48694 ± 0.073	0.077	94.9	-0.34
s-Metolachlor ethanesulfonic acid (Metolachlor-ESA)	µg/l	0.318 ± 0.0329	- ± -	0.0636	-	-
s-Metolachlor oxanilic acid (Metolachlor-OA)	µg/l	0.394 ± 0.0167	- ± -	0.0552	-	-

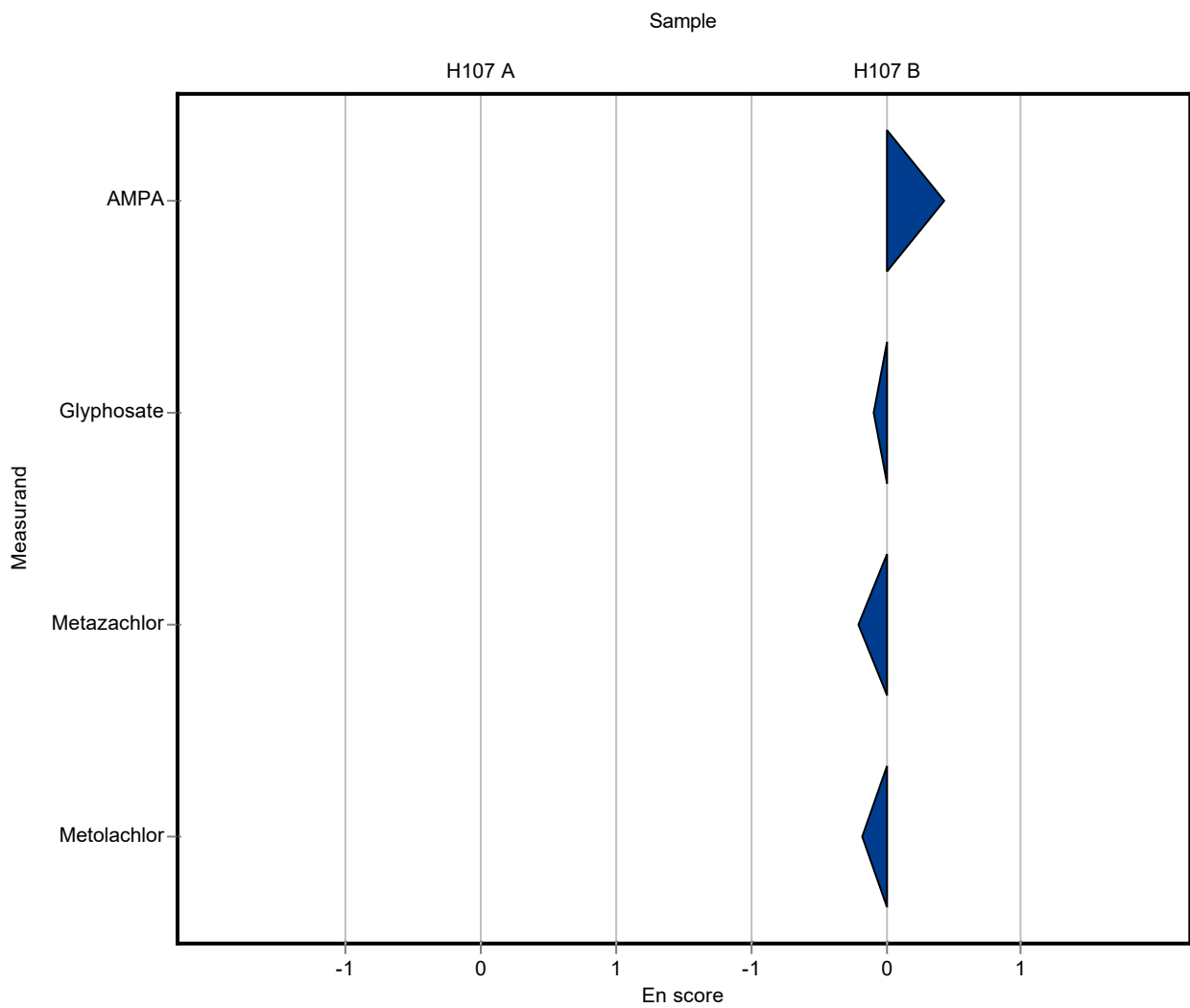
Sample: H107A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
2,4,5-Trichlorophenoxyacetic acid	µg/l	0.71 ± 0.0223	- ± -	0.128	-	-
2,4-D (2,4-Dichlorphenoxyaceticacid)	µg/l	0.472 ± 0.0351	- ± -	0.0661	-	-
Alachlor	µg/l	0.746 ± 0.0719	- ± -	0.0895	-	-
Alachlor-t-acid (Alachlor-OA)	µg/l	0.271 ± 0.0693	- ± -	0.0406	-	-
Alachlor-t-sulfonic acid (Alachlor-ESA)	µg/l	0.164 ± 0.0375	- ± -	0.0459	-	-
AMPA	µg/l	- ± -	<0.1 (LOQ) ± -	-	-	-
Bentazone	µg/l	0.353 ± 0.0127	- ± -	0.053	-	-
Dicamba	µg/l	0.931 ± 0.051	- ± -	0.186	-	-
Dichlorprop	µg/l	0.569 ± 0.0236	- ± -	0.0683	-	-
Glufosinate	µg/l	- ± -	- ± -	-	-	-
Glyphosate	µg/l	- ± -	<0.1 (LOQ) ± -	-	-	-
MCPP (Mecoprop)	µg/l	0.309 ± 0.012	- ± -	0.0402	-	-
Metazachlor	µg/l	- ± -	<0.05 (LOQ) ± -	-	-	-
Metazachlor ethane sulfonic acid (Metazachlor-ESA)	µg/l	0.357 ± 0.0245	- ± -	0.0679	-	-
Metazachlor oxanilic acid (Metazachlor-OA)	µg/l	0.304 ± 0.0331	- ± -	0.0639	-	-
Metolachlor	µg/l	- ± -	<0.05 (LOQ) ± -	-	-	-
s-Metolachlor ethanesulfonic acid (Metolachlor-ESA)	µg/l	0.394 ± 0.0335	- ± -	0.0788	-	-
s-Metolachlor oxanilic acid (Metolachlor-OA)	µg/l	0.206 ± 0.00504	- ± -	0.0289	-	-

Sample: H107B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
2,4,5-Trichlorophenoxyacetic acid	µg/l	0.443 ± 0.0161	- ± -	0.0798	-	-
2,4-D (2,4-Dichlorphenoxyaceticacid)	µg/l	0.323 ± 0.00337	- ± -	0.0452	-	-
Alachlor	µg/l	0.424 ± 0.0538	- ± -	0.0508	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alachlor-t-acid (Alachlor-OA)	µg/l	0.564 ± 0.134	- ± -	0.0846	-	-
Alachlor-t-sulfonic acid (Alachlor-ESA)	µg/l	- ± -	- ± -	-	-	-
AMPA	µg/l	0.184 ± 0.0175	0.21258 ± 0.032	0.0239	116	0.43
Bentazone	µg/l	0.285 ± 0.0158	- ± -	0.0427	-	-
Dicamba	µg/l	0.468 ± 0.0149	- ± -	0.0936	-	-
Dichlorprop	µg/l	0.223 ± 0.00566	- ± -	0.0267	-	-
Glufosinate	µg/l	- ± -	- ± -	-	-	-
Glyphosate	µg/l	0.247 ± 0.0123	0.24096 ± 0.036	0.0495	97.4	-0.09
MCP (Mecoprop)	µg/l	0.322 ± 0.017	- ± -	0.0419	-	-
Metazachlor	µg/l	0.476 ± 0.0236	0.448 ± 0.067	0.0571	94.2	-0.20
Metazachlor ethane sulfonic acid (Metazachlor-ESA)	µg/l	0.136 ± 0.00969	- ± -	0.0258	-	-
Metazachlor oxanilic acid (Metazachlor-OA)	µg/l	- ± -	- ± -	-	-	-
Metolachlor	µg/l	0.513 ± 0.0147	0.48694 ± 0.073	0.077	94.9	-0.18
s-Metolachlor ethanesulfonic acid (Metolachlor-ESA)	µg/l	0.318 ± 0.0329	- ± -	0.0636	-	-
s-Metolachlor oxanilic acid (Metolachlor-OA)	µg/l	0.394 ± 0.0167	- ± -	0.0552	-	-



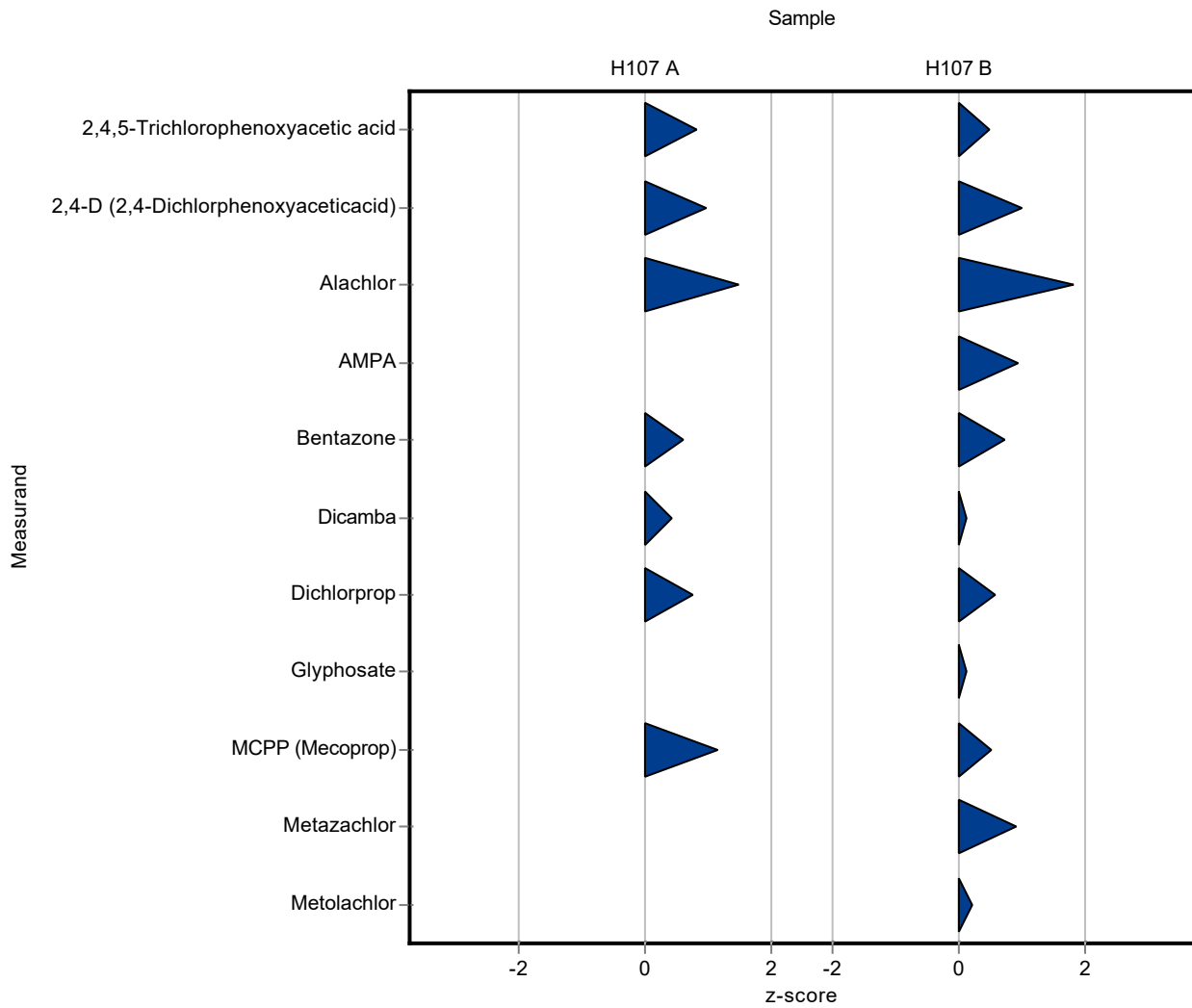
Sample: H107A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
2,4,5-Trichlorophenoxyacetic acid	µg/l	0.71 ± 0.0223	0.815 ± 0.199	0.128	115	0.82
2,4-D (2,4-Dichlorphenoxyaceticacid)	µg/l	0.472 ± 0.0351	0.536 ± 0.165	0.0661	114	0.97
Alachlor	µg/l	0.746 ± 0.0719	0.88 ± 0.176	0.0895	118	1.50
Alachlor-t-acid (Alachlor-OA)	µg/l	0.271 ± 0.0693	- ± -	0.0406	-	-
Alachlor-t-sulfonic acid (Alachlor-ESA)	µg/l	0.164 ± 0.0375	- ± -	0.0459	-	-
AMPA	µg/l	- ± -	<0.05 (LOQ) ± -	-	-	-
Bentazone	µg/l	0.353 ± 0.0127	0.385 ± 0.106	0.053	109	0.60
Dicamba	µg/l	0.931 ± 0.051	1.01 ± 0.3	0.186	108	0.42
Dichlorprop	µg/l	0.569 ± 0.0236	0.622 ± 0.169	0.0683	109	0.78
Glufosinate	µg/l	- ± -	0.346 ± 0.104	-	-	-
Glyphosate	µg/l	- ± -	<0.05 (LOQ) ± -	-	-	-
MCPP (Mecoprop)	µg/l	0.309 ± 0.012	0.356 ± 0.103	0.0402	115	1.17
Metazachlor	µg/l	- ± -	<0.03 (LOQ) ± -	-	-	-
Metazachlor ethane sulfonic acid (Metazachlor-ESA)	µg/l	0.357 ± 0.0245	- ± -	0.0679	-	-
Metazachlor oxanilic acid (Metazachlor-OA)	µg/l	0.304 ± 0.0331	- ± -	0.0639	-	-
Metolachlor	µg/l	- ± -	<0.03 (LOQ) ± -	-	-	-
s-Metolachlor ethanesulfonic acid (Metolachlor-ESA)	µg/l	0.394 ± 0.0335	- ± -	0.0788	-	-
s-Metolachlor oxanilic acid (Metolachlor-OA)	µg/l	0.206 ± 0.00504	- ± -	0.0289	-	-

Sample: H107B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
2,4,5-Trichlorophenoxyacetic acid	µg/l	0.443 ± 0.0161	0.483 ± 0.118	0.0798	109	0.50
2,4-D (2,4-Dichlorphenoxyaceticacid)	µg/l	0.323 ± 0.00337	0.368 ± 0.113	0.0452	114	0.99
Alachlor	µg/l	0.424 ± 0.0538	0.516 ± 0.103	0.0508	122	1.82

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alachlor-t-acid (Alachlor-OA)	µg/l	0.564 ± 0.134	- ± -	0.0846	-	-
Alachlor-t-sulfonic acid (Alachlor-ESA)	µg/l	- ± -	- ± -	-	-	-
AMPA	µg/l	0.184 ± 0.0175	0.206 ± 0.04	0.0239	112	0.93
Bentazone	µg/l	0.285 ± 0.0158	0.316 ± 0.087	0.0427	111	0.74
Dicamba	µg/l	0.468 ± 0.0149	0.478 ± 0.143	0.0936	102	0.11
Dichlorprop	µg/l	0.223 ± 0.00566	0.238 ± 0.064	0.0267	107	0.57
Glufosinate	µg/l	- ± -	<0.05 (LOQ) ± -	-	-	-
Glyphosate	µg/l	0.247 ± 0.0123	0.254 ± 0.05	0.0495	103	0.13
MCPP (Mecoprop)	µg/l	0.322 ± 0.017	0.344 ± 0.099	0.0419	107	0.52
Metazachlor	µg/l	0.476 ± 0.0236	0.527 ± 0.171	0.0571	111	0.90
Metazachlor ethane sulfonic acid (Metazachlor-ESA)	µg/l	0.136 ± 0.00969	- ± -	0.0258	-	-
Metazachlor oxanilic acid (Metazachlor-OA)	µg/l	- ± -	- ± -	-	-	-
Metolachlor	µg/l	0.513 ± 0.0147	0.529 ± 0.079	0.077	103	0.21
s-Metolachlor ethanesulfonic acid (Metolachlor-ESA)	µg/l	0.318 ± 0.0329	- ± -	0.0636	-	-
s-Metolachlor oxanilic acid (Metolachlor-OA)	µg/l	0.394 ± 0.0167	- ± -	0.0552	-	-



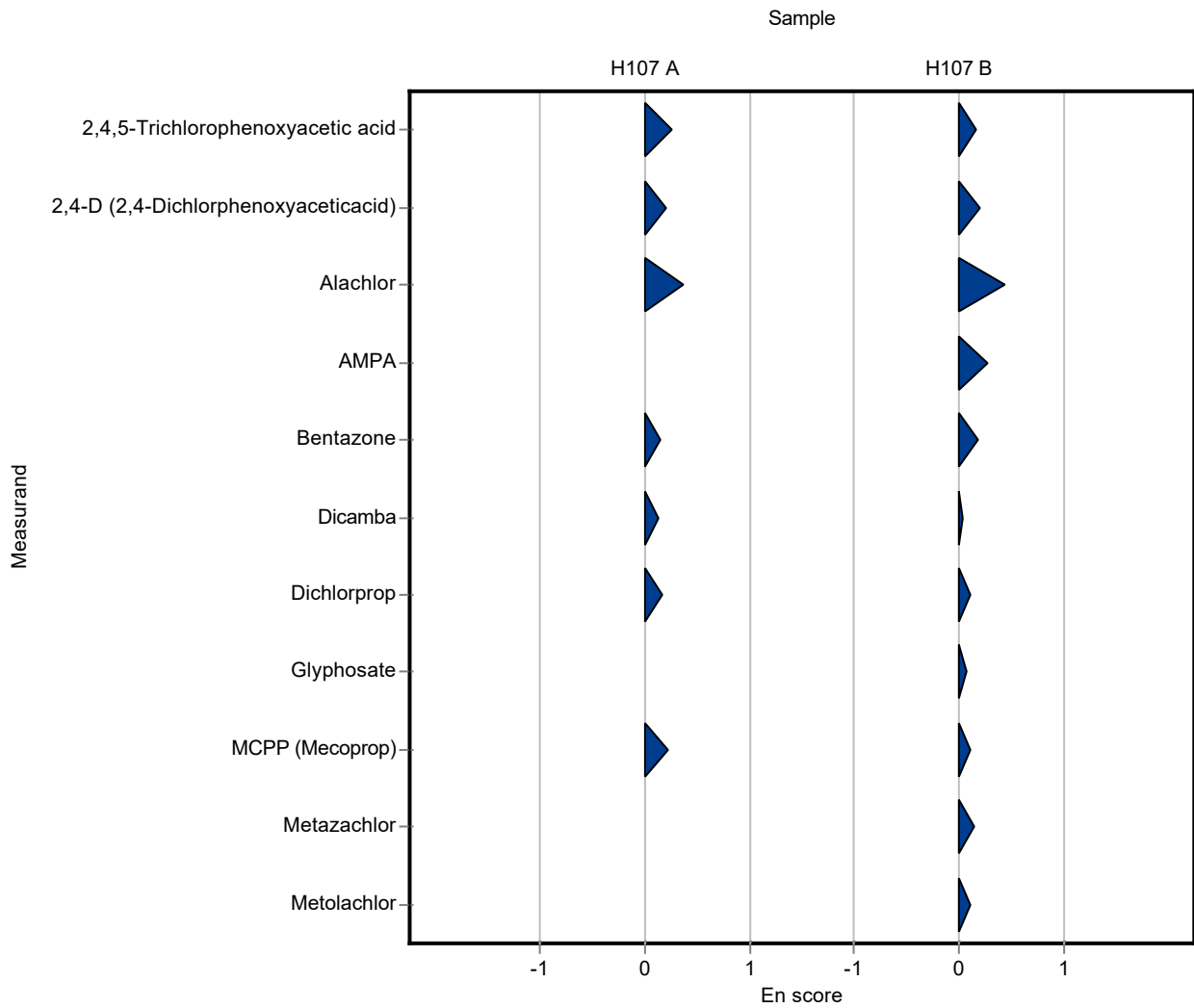
Sample: H107A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
2,4,5-Trichlorophenoxyacetic acid	µg/l	0.71 ± 0.0223	0.815 ± 0.199	0.128	115	0.26
2,4-D (2,4-Dichlorphenoxyaceticacid)	µg/l	0.472 ± 0.0351	0.536 ± 0.165	0.0661	114	0.19
Alachlor	µg/l	0.746 ± 0.0719	0.88 ± 0.176	0.0895	118	0.37
Alachlor-t-acid (Alachlor-OA)	µg/l	0.271 ± 0.0693	- ± -	0.0406	-	-
Alachlor-t-sulfonic acid (Alachlor-ESA)	µg/l	0.164 ± 0.0375	- ± -	0.0459	-	-
AMPA	µg/l	- ± -	<0.05 (LOQ) ± -	-	-	-
Bentazone	µg/l	0.353 ± 0.0127	0.385 ± 0.106	0.053	109	0.15
Dicamba	µg/l	0.931 ± 0.051	1.01 ± 0.3	0.186	108	0.13
Dichlorprop	µg/l	0.569 ± 0.0236	0.622 ± 0.169	0.0683	109	0.16
Glufosinate	µg/l	- ± -	0.346 ± 0.104	-	-	-
Glyphosate	µg/l	- ± -	<0.05 (LOQ) ± -	-	-	-
MCPP (Mecoprop)	µg/l	0.309 ± 0.012	0.356 ± 0.103	0.0402	115	0.23
Metazachlor	µg/l	- ± -	<0.03 (LOQ) ± -	-	-	-
Metazachlor ethane sulfonic acid (Metazachlor-ESA)	µg/l	0.357 ± 0.0245	- ± -	0.0679	-	-
Metazachlor oxanilic acid (Metazachlor-OA)	µg/l	0.304 ± 0.0331	- ± -	0.0639	-	-
Metolachlor	µg/l	- ± -	<0.03 (LOQ) ± -	-	-	-
s-Metolachlor ethanesulfonic acid (Metolachlor-ESA)	µg/l	0.394 ± 0.0335	- ± -	0.0788	-	-
s-Metolachlor oxanilic acid (Metolachlor-OA)	µg/l	0.206 ± 0.00504	- ± -	0.0289	-	-

Sample: H107B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
2,4,5-Trichlorophenoxyacetic acid	µg/l	0.443 ± 0.0161	0.483 ± 0.118	0.0798	109	0.17
2,4-D (2,4-Dichlorphenoxyaceticacid)	µg/l	0.323 ± 0.00337	0.368 ± 0.113	0.0452	114	0.20
Alachlor	µg/l	0.424 ± 0.0538	0.516 ± 0.103	0.0508	122	0.43

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alachlor-t-acid (Alachlor-OA)	µg/l	0.564 ± 0.134	- ± -	0.0846	-	-
Alachlor-t-sulfonic acid (Alachlor-ESA)	µg/l	- ± -	- ± -	-	-	-
AMPA	µg/l	0.184 ± 0.0175	0.206 ± 0.04	0.0239	112	0.27
Bentazone	µg/l	0.285 ± 0.0158	0.316 ± 0.087	0.0427	111	0.18
Dicamba	µg/l	0.468 ± 0.0149	0.478 ± 0.143	0.0936	102	0.04
Dichlorprop	µg/l	0.223 ± 0.00566	0.238 ± 0.064	0.0267	107	0.12
Glufosinate	µg/l	- ± -	<0.05 (LOQ) ± -	-	-	-
Glyphosate	µg/l	0.247 ± 0.0123	0.254 ± 0.05	0.0495	103	0.07
MCP (Mecoprop)	µg/l	0.322 ± 0.017	0.344 ± 0.099	0.0419	107	0.11
Metazachlor	µg/l	0.476 ± 0.0236	0.527 ± 0.171	0.0571	111	0.15
Metazachlor ethane sulfonic acid (Metazachlor-ESA)	µg/l	0.136 ± 0.00969	- ± -	0.0258	-	-
Metazachlor oxanilic acid (Metazachlor-OA)	µg/l	- ± -	- ± -	-	-	-
Metolachlor	µg/l	0.513 ± 0.0147	0.529 ± 0.079	0.077	103	0.10
s-Metolachlor ethanesulfonic acid (Metolachlor-ESA)	µg/l	0.318 ± 0.0329	- ± -	0.0636	-	-
s-Metolachlor oxanilic acid (Metolachlor-OA)	µg/l	0.394 ± 0.0167	- ± -	0.0552	-	-



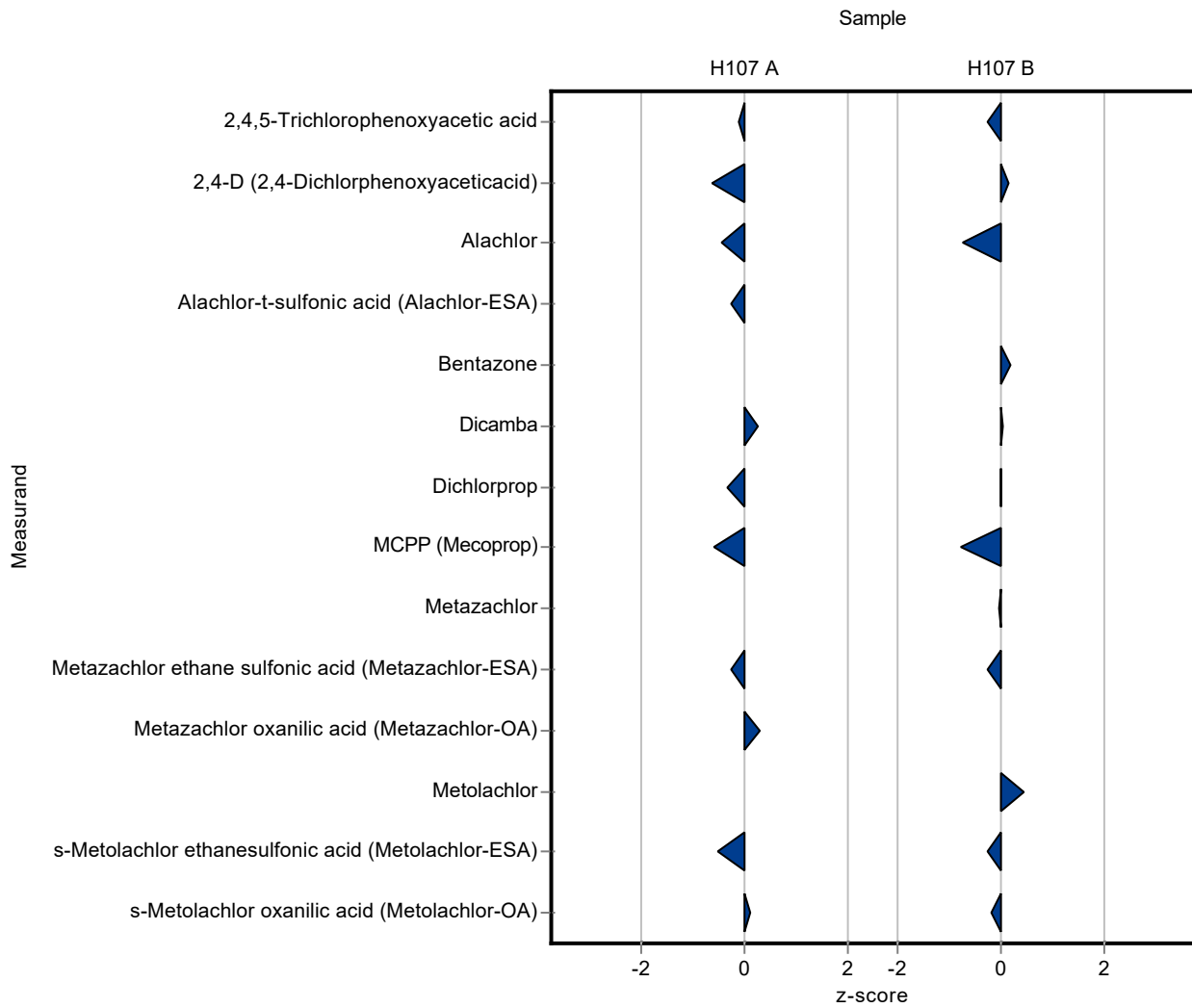
Sample: H107A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
2,4,5-Trichlorophenoxyacetic acid	µg/l	0.71 ± 0.0223	0.695 ± 0.146	0.128	97.9	-0.12
2,4-D (2,4-Dichlorphenoxyaceticacid)	µg/l	0.472 ± 0.0351	0.432 ± 0.06	0.0661	91.5	-0.61
Alachlor	µg/l	0.746 ± 0.0719	0.706 ± 0.106	0.0895	94.6	-0.45
Alachlor-t-acid (Alachlor-OA)	µg/l	0.271 ± 0.0693	- ± -	0.0406	-	-
Alachlor-t-sulfonic acid (Alachlor-ESA)	µg/l	0.164 ± 0.0375	0.152 ± 0.03	0.0459	92.5	-0.27
AMPA	µg/l	- ± -	- ± -	-	-	-
Bentazone	µg/l	0.353 ± 0.0127	0.353 ± 0.074	0.053	100	0.00
Dicamba	µg/l	0.931 ± 0.051	0.979 ± 0.245	0.186	105	0.26
Dichlorprop	µg/l	0.569 ± 0.0236	0.547 ± 0.115	0.0683	96.1	-0.32
Glufosinate	µg/l	- ± -	- ± -	-	-	-
Glyphosate	µg/l	- ± -	- ± -	-	-	-
MCPP (Mecoprop)	µg/l	0.309 ± 0.012	0.286 ± 0.063	0.0402	92.6	-0.57
Metazachlor	µg/l	- ± -	<0.025 (LOQ) ± -	-	-	-
Metazachlor ethane sulfonic acid (Metazachlor-ESA)	µg/l	0.357 ± 0.0245	0.339 ± 0.085	0.0679	94.9	-0.27
Metazachlor oxanilic acid (Metazachlor-OA)	µg/l	0.304 ± 0.0331	0.324 ± 0.075	0.0639	106	0.31
Metolachlor	µg/l	- ± -	<0.025 (LOQ) ± -	-	-	-
s-Metolachlor ethanesulfonic acid (Metolachlor-ESA)	µg/l	0.394 ± 0.0335	0.354 ± 0.089	0.0788	89.8	-0.51
s-Metolachlor oxanilic acid (Metolachlor-OA)	µg/l	0.206 ± 0.00504	0.21 ± 0.046	0.0289	102	0.13

Sample: H107B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
2,4,5-Trichlorophenoxyacetic acid	µg/l	0.443 ± 0.0161	0.421 ± 0.088	0.0798	95	-0.28
2,4-D (2,4-Dichlorphenoxyaceticacid)	µg/l	0.323 ± 0.00337	0.33 ± 0.046	0.0452	102	0.15
Alachlor	µg/l	0.424 ± 0.0538	0.386 ± 0.058	0.0508	91.1	-0.74

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alachlor-t-acid (Alachlor-OA)	µg/l	0.564 ± 0.134	- ± -	0.0846	-	-
Alachlor-t-sulfonic acid (Alachlor-ESA)	µg/l	- ± -	0.166 ± 0.033	-	-	-
AMPA	µg/l	0.184 ± 0.0175	- ± -	0.0239	-	-
Bentazone	µg/l	0.285 ± 0.0158	0.292 ± 0.061	0.0427	103	0.17
Dicamba	µg/l	0.468 ± 0.0149	0.47 ± 0.118	0.0936	100	0.02
Dichlorprop	µg/l	0.223 ± 0.00566	0.223 ± 0.047	0.0267	100	0.01
Glufosinate	µg/l	- ± -	- ± -	-	-	-
Glyphosate	µg/l	0.247 ± 0.0123	- ± -	0.0495	-	-
MCPP (Mecoprop)	µg/l	0.322 ± 0.017	0.289 ± 0.064	0.0419	89.7	-0.79
Metazachlor	µg/l	0.476 ± 0.0236	0.474 ± 0.047	0.0571	99.7	-0.03
Metazachlor ethane sulfonic acid (Metazachlor-ESA)	µg/l	0.136 ± 0.00969	0.129 ± 0.032	0.0258	95	-0.26
Metazachlor oxanilic acid (Metazachlor-OA)	µg/l	- ± -	<0.025 (LOQ) ± -	-	-	-
Metolachlor	µg/l	0.513 ± 0.0147	0.547 ± 0.055	0.077	107	0.44
s-Metolachlor ethanesulfonic acid (Metolachlor-ESA)	µg/l	0.318 ± 0.0329	0.3 ± 0.075	0.0636	94.3	-0.28
s-Metolachlor oxanilic acid (Metolachlor-OA)	µg/l	0.394 ± 0.0167	0.384 ± 0.084	0.0552	97.4	-0.19



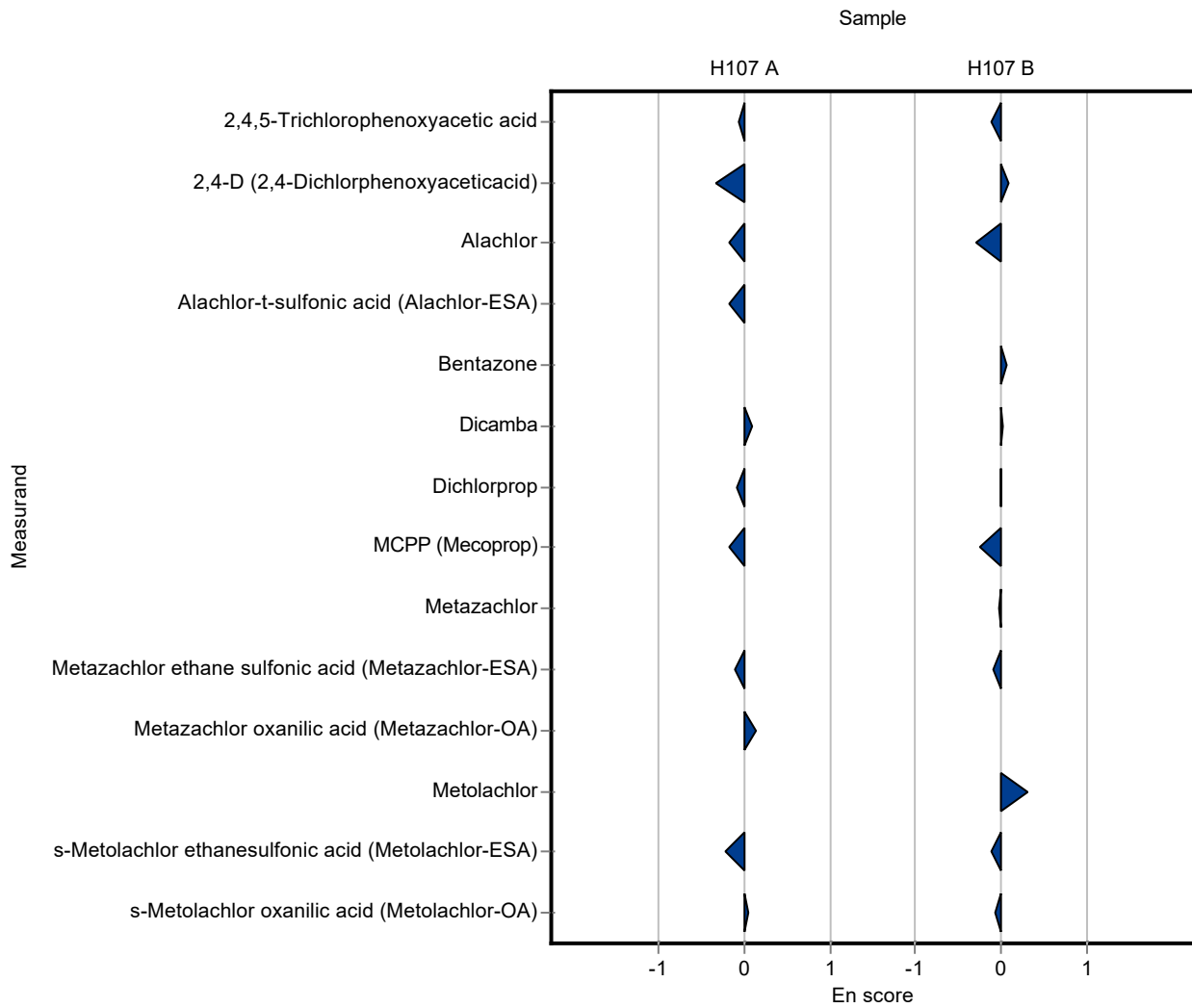
Sample: H107A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
2,4,5-Trichlorophenoxyacetic acid	µg/l	0.71 ± 0.0223	0.695 ± 0.146	0.128	97.9	-0.05
2,4-D (2,4-Dichlorphenoxyaceticacid)	µg/l	0.472 ± 0.0351	0.432 ± 0.06	0.0661	91.5	-0.32
Alachlor	µg/l	0.746 ± 0.0719	0.706 ± 0.106	0.0895	94.6	-0.18
Alachlor-t-acid (Alachlor-OA)	µg/l	0.271 ± 0.0693	- ± -	0.0406	-	-
Alachlor-t-sulfonic acid (Alachlor-ESA)	µg/l	0.164 ± 0.0375	0.152 ± 0.03	0.0459	92.5	-0.17
AMPA	µg/l	- ± -	- ± -	-	-	-
Bentazone	µg/l	0.353 ± 0.0127	0.353 ± 0.074	0.053	100	0.00
Dicamba	µg/l	0.931 ± 0.051	0.979 ± 0.245	0.186	105	0.10
Dichlorprop	µg/l	0.569 ± 0.0236	0.547 ± 0.115	0.0683	96.1	-0.10
Glufosinate	µg/l	- ± -	- ± -	-	-	-
Glyphosate	µg/l	- ± -	- ± -	-	-	-
MCPP (Mecoprop)	µg/l	0.309 ± 0.012	0.286 ± 0.063	0.0402	92.6	-0.18
Metazachlor	µg/l	- ± -	<0.025 (LOQ) ± -	-	-	-
Metazachlor ethane sulfonic acid (Metazachlor-ESA)	µg/l	0.357 ± 0.0245	0.339 ± 0.085	0.0679	94.9	-0.10
Metazachlor oxanilic acid (Metazachlor-OA)	µg/l	0.304 ± 0.0331	0.324 ± 0.075	0.0639	106	0.13
Metolachlor	µg/l	- ± -	<0.025 (LOQ) ± -	-	-	-
s-Metolachlor ethanesulfonic acid (Metolachlor-ESA)	µg/l	0.394 ± 0.0335	0.354 ± 0.089	0.0788	89.8	-0.22
s-Metolachlor oxanilic acid (Metolachlor-OA)	µg/l	0.206 ± 0.00504	0.21 ± 0.046	0.0289	102	0.04

Sample: H107B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
2,4,5-Trichlorophenoxyacetic acid	µg/l	0.443 ± 0.0161	0.421 ± 0.088	0.0798	95	-0.13
2,4-D (2,4-Dichlorphenoxyaceticacid)	µg/l	0.323 ± 0.00337	0.33 ± 0.046	0.0452	102	0.07
Alachlor	µg/l	0.424 ± 0.0538	0.386 ± 0.058	0.0508	91.1	-0.29

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion Recovery	En-Score	En-Score [%]
Alachlor-t-acid (Alachlor-OA)	µg/l	0.564 ± 0.134	- ± -	0.0846	-	-
Alachlor-t-sulfonic acid (Alachlor-ESA)	µg/l	- ± -	0.166 ± 0.033	-	-	-
AMPA	µg/l	0.184 ± 0.0175	- ± -	0.0239	-	-
Bentazone	µg/l	0.285 ± 0.0158	0.292 ± 0.061	0.0427	103	0.06
Dicamba	µg/l	0.468 ± 0.0149	0.47 ± 0.118	0.0936	100	0.01
Dichlorprop	µg/l	0.223 ± 0.00566	0.223 ± 0.047	0.0267	100	0.00
Glufosinate	µg/l	- ± -	- ± -	-	-	-
Glyphosate	µg/l	0.247 ± 0.0123	- ± -	0.0495	-	-
MCP (Mecoprop)	µg/l	0.322 ± 0.017	0.289 ± 0.064	0.0419	89.7	-0.26
Metazachlor	µg/l	0.476 ± 0.0236	0.474 ± 0.047	0.0571	99.7	-0.02
Metazachlor ethane sulfonic acid (Metazachlor-ESA)	µg/l	0.136 ± 0.00969	0.129 ± 0.032	0.0258	95	-0.10
Metazachlor oxanilic acid (Metazachlor-OA)	µg/l	- ± -	<0.025 (LOQ) ± -	-	-	-
Metolachlor	µg/l	0.513 ± 0.0147	0.547 ± 0.055	0.077	107	0.31
s-Metolachlor ethanesulfonic acid (Metolachlor-ESA)	µg/l	0.318 ± 0.0329	0.3 ± 0.075	0.0636	94.3	-0.12
s-Metolachlor oxanilic acid (Metolachlor-OA)	µg/l	0.394 ± 0.0167	0.384 ± 0.084	0.0552	97.4	-0.06



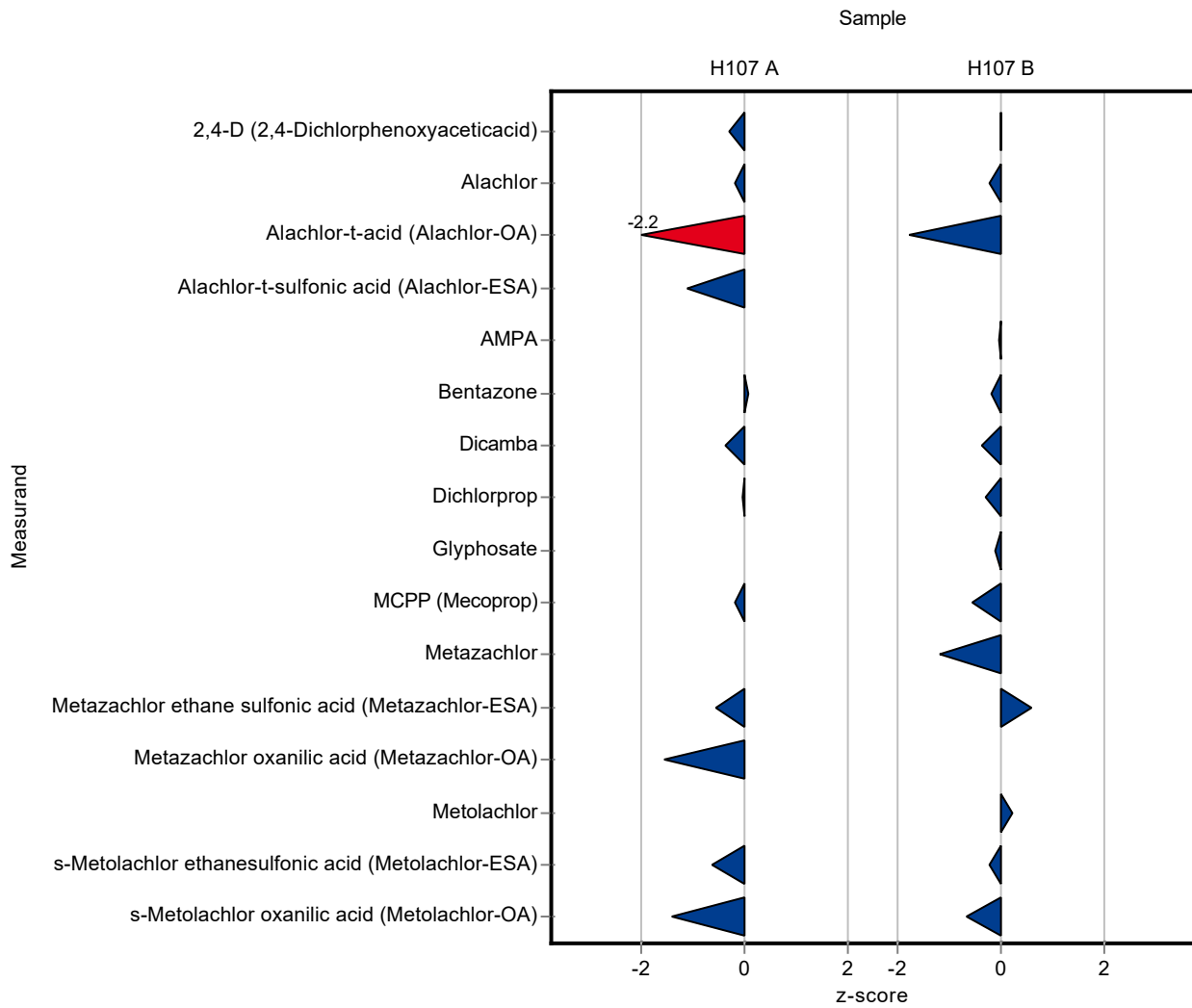
Sample: H107A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
2,4,5-Trichlorophenoxyacetic acid	µg/l	0.71 ± 0.0223	<0.05 (LOQ) ± -	0.128	-	-
2,4-D (2,4-Dichlorphenoxyaceticacid)	µg/l	0.472 ± 0.0351	0.454 ± 0.091	0.0661	96.2	-0.27
Alachlor	µg/l	0.746 ± 0.0719	0.729 ± 0.146	0.0895	97.7	-0.19
Alachlor-t-acid (Alachlor-OA)	µg/l	0.271 ± 0.0693	0.182 ± 0.036	0.0406	67.2	-2.19
Alachlor-t-sulfonic acid (Alachlor-ESA)	µg/l	0.164 ± 0.0375	0.114 ± 0.023	0.0459	69.4	-1.10
AMPA	µg/l	- ± -	0.195 ± 0.039	-	-	-
Bentazone	µg/l	0.353 ± 0.0127	0.358 ± 0.072	0.053	101	0.09
Dicamba	µg/l	0.931 ± 0.051	0.865 ± 0.173	0.186	92.9	-0.35
Dichlorprop	µg/l	0.569 ± 0.0236	0.566 ± 0.113	0.0683	99.5	-0.05
Glufosinate	µg/l	- ± -	0.21 ± 0.042	-	-	-
Glyphosate	µg/l	- ± -	<0.02 (LOQ) ± -	-	-	-
MCPP (Mecoprop)	µg/l	0.309 ± 0.012	0.301 ± 0.06	0.0402	97.4	-0.20
Metazachlor	µg/l	- ± -	<0.02 (LOQ) ± -	-	-	-
Metazachlor ethane sulfonic acid (Metazachlor-ESA)	µg/l	0.357 ± 0.0245	0.32 ± 0.06	0.0679	89.6	-0.55
Metazachlor oxanilic acid (Metazachlor-OA)	µg/l	0.304 ± 0.0331	0.206 ± 0.041	0.0639	67.7	-1.54
Metolachlor	µg/l	- ± -	<0.05 (LOQ) ± -	-	-	-
s-Metolachlor ethanesulfonic acid (Metolachlor-ESA)	µg/l	0.394 ± 0.0335	0.345 ± 0.069	0.0788	87.6	-0.62
s-Metolachlor oxanilic acid (Metolachlor-OA)	µg/l	0.206 ± 0.00504	0.166 ± 0.033	0.0289	80.5	-1.39

Sample: H107B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
2,4,5-Trichlorophenoxyacetic acid	µg/l	0.443 ± 0.0161	<0.05 (LOQ) ± -	0.0798	-	-
2,4-D (2,4-Dichlorphenoxyaceticacid)	µg/l	0.323 ± 0.00337	0.322 ± 0.064	0.0452	99.7	-0.02
Alachlor	µg/l	0.424 ± 0.0538	0.411 ± 0.082	0.0508	97	-0.25

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alachlor-t-acid (Alachlor-OA)	µg/l	0.564 ± 0.134	0.413 ± 0.083	0.0846	73.3	-1.78
Alachlor-t-sulfonic acid (Alachlor-ESA)	µg/l	- ± -	0.153 ± 0.03	-	-	-
AMPA	µg/l	0.184 ± 0.0175	0.183 ± 0.037	0.0239	99.6	-0.03
Bentazone	µg/l	0.285 ± 0.0158	0.276 ± 0.055	0.0427	97	-0.20
Dicamba	µg/l	0.468 ± 0.0149	0.432 ± 0.086	0.0936	92.4	-0.38
Dichlorprop	µg/l	0.223 ± 0.00566	0.215 ± 0.043	0.0267	96.5	-0.29
Glufosinate	µg/l	- ± -	0.045 ± 0.009	-	-	-
Glyphosate	µg/l	0.247 ± 0.0123	0.241 ± 0.048	0.0495	97.4	-0.13
MCPP (Mecoprop)	µg/l	0.322 ± 0.017	0.298 ± 0.06	0.0419	92.5	-0.58
Metazachlor	µg/l	0.476 ± 0.0236	0.407 ± 0.081	0.0571	85.6	-1.20
Metazachlor ethane sulfonic acid (Metazachlor-ESA)	µg/l	0.136 ± 0.00969	0.151 ± 0.03	0.0258	111	0.59
Metazachlor oxanilic acid (Metazachlor-OA)	µg/l	- ± -	<0.02 (LOQ) ± -	-	-	-
Metolachlor	µg/l	0.513 ± 0.0147	0.53 ± 0.106	0.077	103	0.22
s-Metolachlor ethanesulfonic acid (Metolachlor-ESA)	µg/l	0.318 ± 0.0329	0.304 ± 0.061	0.0636	95.6	-0.22
s-Metolachlor oxanilic acid (Metolachlor-OA)	µg/l	0.394 ± 0.0167	0.356 ± 0.071	0.0552	90.3	-0.69



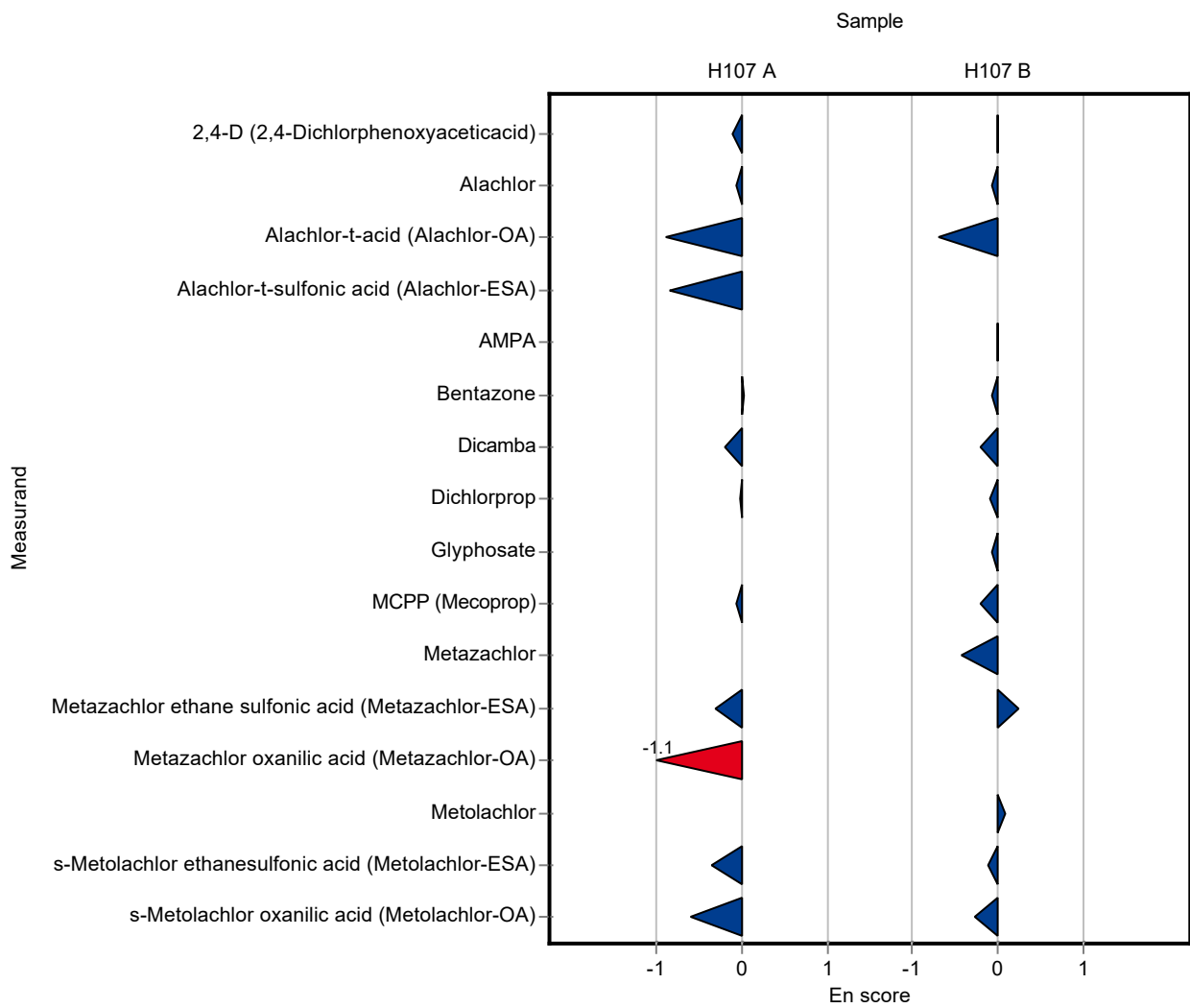
Sample: H107A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
2,4,5-Trichlorophenoxyacetic acid	µg/l	0.71 ± 0.0223	<0.05 (LOQ) ± -	0.128	-	-
2,4-D (2,4-Dichlorphenoxyaceticacid)	µg/l	0.472 ± 0.0351	0.454 ± 0.091	0.0661	96.2	-0.10
Alachlor	µg/l	0.746 ± 0.0719	0.729 ± 0.146	0.0895	97.7	-0.06
Alachlor-t-acid (Alachlor-OA)	µg/l	0.271 ± 0.0693	0.182 ± 0.036	0.0406	67.2	-0.89
Alachlor-t-sulfonic acid (Alachlor-ESA)	µg/l	0.164 ± 0.0375	0.114 ± 0.023	0.0459	69.4	-0.85
AMPA	µg/l	- ± -	0.195 ± 0.039	-	-	-
Bentazone	µg/l	0.353 ± 0.0127	0.358 ± 0.072	0.053	101	0.03
Dicamba	µg/l	0.931 ± 0.051	0.865 ± 0.173	0.186	92.9	-0.19
Dichlorprop	µg/l	0.569 ± 0.0236	0.566 ± 0.113	0.0683	99.5	-0.01
Glufosinate	µg/l	- ± -	0.21 ± 0.042	-	-	-
Glyphosate	µg/l	- ± -	<0.02 (LOQ) ± -	-	-	-
MCPP (Mecoprop)	µg/l	0.309 ± 0.012	0.301 ± 0.06	0.0402	97.4	-0.07
Metazachlor	µg/l	- ± -	<0.02 (LOQ) ± -	-	-	-
Metazachlor ethane sulfonic acid (Metazachlor-ESA)	µg/l	0.357 ± 0.0245	0.32 ± 0.06	0.0679	89.6	-0.30
Metazachlor oxanilic acid (Metazachlor-OA)	µg/l	0.304 ± 0.0331	0.206 ± 0.041	0.0639	67.7	-1.11
Metolachlor	µg/l	- ± -	<0.05 (LOQ) ± -	-	-	-
s-Metolachlor ethanesulfonic acid (Metolachlor-ESA)	µg/l	0.394 ± 0.0335	0.345 ± 0.069	0.0788	87.6	-0.34
s-Metolachlor oxanilic acid (Metolachlor-OA)	µg/l	0.206 ± 0.00504	0.166 ± 0.033	0.0289	80.5	-0.61

Sample: H107B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
2,4,5-Trichlorophenoxyacetic acid	µg/l	0.443 ± 0.0161	<0.05 (LOQ) ± -	0.0798	-	-
2,4-D (2,4-Dichlorphenoxyaceticacid)	µg/l	0.323 ± 0.00337	0.322 ± 0.064	0.0452	99.7	-0.01
Alachlor	µg/l	0.424 ± 0.0538	0.411 ± 0.082	0.0508	97	-0.07

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alachlor-t-acid (Alachlor-OA)	µg/l	0.564 ± 0.134	0.413 ± 0.083	0.0846	73.3	-0.71
Alachlor-t-sulfonic acid (Alachlor-ESA)	µg/l	- ± -	0.153 ± 0.03	-	-	-
AMPA	µg/l	0.184 ± 0.0175	0.183 ± 0.037	0.0239	99.6	-0.01
Bentazone	µg/l	0.285 ± 0.0158	0.276 ± 0.055	0.0427	97	-0.08
Dicamba	µg/l	0.468 ± 0.0149	0.432 ± 0.086	0.0936	92.4	-0.21
Dichlorprop	µg/l	0.223 ± 0.00566	0.215 ± 0.043	0.0267	96.5	-0.09
Glufosinate	µg/l	- ± -	0.045 ± 0.009	-	-	-
Glyphosate	µg/l	0.247 ± 0.0123	0.241 ± 0.048	0.0495	97.4	-0.07
MCP (Mecoprop)	µg/l	0.322 ± 0.017	0.298 ± 0.06	0.0419	92.5	-0.20
Metazachlor	µg/l	0.476 ± 0.0236	0.407 ± 0.081	0.0571	85.6	-0.42
Metazachlor ethane sulfonic acid (Metazachlor-ESA)	µg/l	0.136 ± 0.00969	0.151 ± 0.03	0.0258	111	0.25
Metazachlor oxanilic acid (Metazachlor-OA)	µg/l	- ± -	<0.02 (LOQ) ± -	-	-	-
Metolachlor	µg/l	0.513 ± 0.0147	0.53 ± 0.106	0.077	103	0.08
s-Metolachlor ethanesulfonic acid (Metolachlor-ESA)	µg/l	0.318 ± 0.0329	0.304 ± 0.061	0.0636	95.6	-0.11
s-Metolachlor oxanilic acid (Metolachlor-OA)	µg/l	0.394 ± 0.0167	0.356 ± 0.071	0.0552	90.3	-0.27



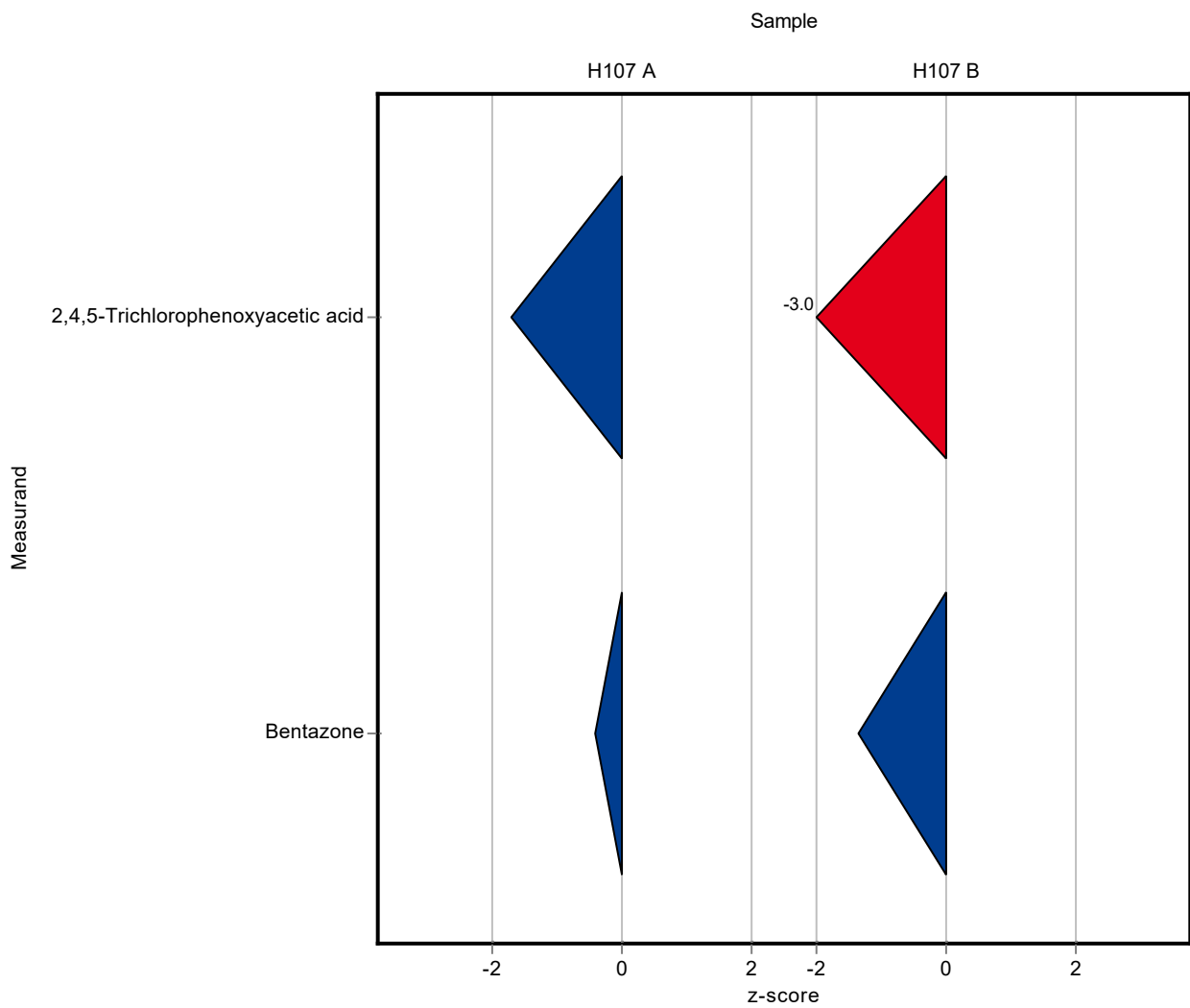
Sample: H107A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
2,4,5-Trichlorophenoxyacetic acid	µg/l	0.71 ± 0.0223	0.495 ± 0.024	0.128	69.7	-1.68
2,4-D (2,4-Dichlorphenoxyaceticacid)	µg/l	0.472 ± 0.0351	- ± -	0.0661	-	-
Alachlor	µg/l	0.746 ± 0.0719	- ± -	0.0895	-	-
Alachlor-t-acid (Alachlor-OA)	µg/l	0.271 ± 0.0693	- ± -	0.0406	-	-
Alachlor-t-sulfonic acid (Alachlor-ESA)	µg/l	0.164 ± 0.0375	- ± -	0.0459	-	-
AMPA	µg/l	- ± -	- ± -	-	-	-
Bentazone	µg/l	0.353 ± 0.0127	0.332 ± 0.028	0.053	94.1	-0.40
Dicamba	µg/l	0.931 ± 0.051	- ± -	0.186	-	-
Dichlorprop	µg/l	0.569 ± 0.0236	- ± -	0.0683	-	-
Glufosinate	µg/l	- ± -	- ± -	-	-	-
Glyphosate	µg/l	- ± -	- ± -	-	-	-
MCPP (Mecoprop)	µg/l	0.309 ± 0.012	- ± -	0.0402	-	-
Metazachlor	µg/l	- ± -	- ± -	-	-	-
Metazachlor ethane sulfonic acid (Metazachlor-ESA)	µg/l	0.357 ± 0.0245	- ± -	0.0679	-	-
Metazachlor oxanilic acid (Metazachlor-OA)	µg/l	0.304 ± 0.0331	- ± -	0.0639	-	-
Metolachlor	µg/l	- ± -	- ± -	-	-	-
s-Metolachlor ethanesulfonic acid (Metolachlor-ESA)	µg/l	0.394 ± 0.0335	- ± -	0.0788	-	-
s-Metolachlor oxanilic acid (Metolachlor-OA)	µg/l	0.206 ± 0.00504	- ± -	0.0289	-	-

Sample: H107B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
2,4,5-Trichlorophenoxyacetic acid	µg/l	0.443 ± 0.0161	0.206 ± 0.024	0.0798	46.5	-2.97
2,4-D (2,4-Dichlorphenoxyaceticacid)	µg/l	0.323 ± 0.00337	- ± -	0.0452	-	-
Alachlor	µg/l	0.424 ± 0.0538	- ± -	0.0508	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alachlor-t-acid (Alachlor-OA)	µg/l	0.564 ± 0.134	- ± -	0.0846	-	-
Alachlor-t-sulfonic acid (Alachlor-ESA)	µg/l	- ± -	- ± -	-	-	-
AMPA	µg/l	0.184 ± 0.0175	- ± -	0.0239	-	-
Bentazone	µg/l	0.285 ± 0.0158	0.227 ± 0.028	0.0427	79.8	-1.35
Dicamba	µg/l	0.468 ± 0.0149	- ± -	0.0936	-	-
Dichlorprop	µg/l	0.223 ± 0.00566	- ± -	0.0267	-	-
Glufosinate	µg/l	- ± -	- ± -	-	-	-
Glyphosate	µg/l	0.247 ± 0.0123	- ± -	0.0495	-	-
MCPP (Mecoprop)	µg/l	0.322 ± 0.017	- ± -	0.0419	-	-
Metazachlor	µg/l	0.476 ± 0.0236	- ± -	0.0571	-	-
Metazachlor ethane sulfonic acid (Metazachlor-ESA)	µg/l	0.136 ± 0.00969	- ± -	0.0258	-	-
Metazachlor oxanilic acid (Metazachlor-OA)	µg/l	- ± -	- ± -	-	-	-
Metolachlor	µg/l	0.513 ± 0.0147	- ± -	0.077	-	-
s-Metolachlor ethanesulfonic acid (Metolachlor-ESA)	µg/l	0.318 ± 0.0329	- ± -	0.0636	-	-
s-Metolachlor oxanilic acid (Metolachlor-OA)	µg/l	0.394 ± 0.0167	- ± -	0.0552	-	-



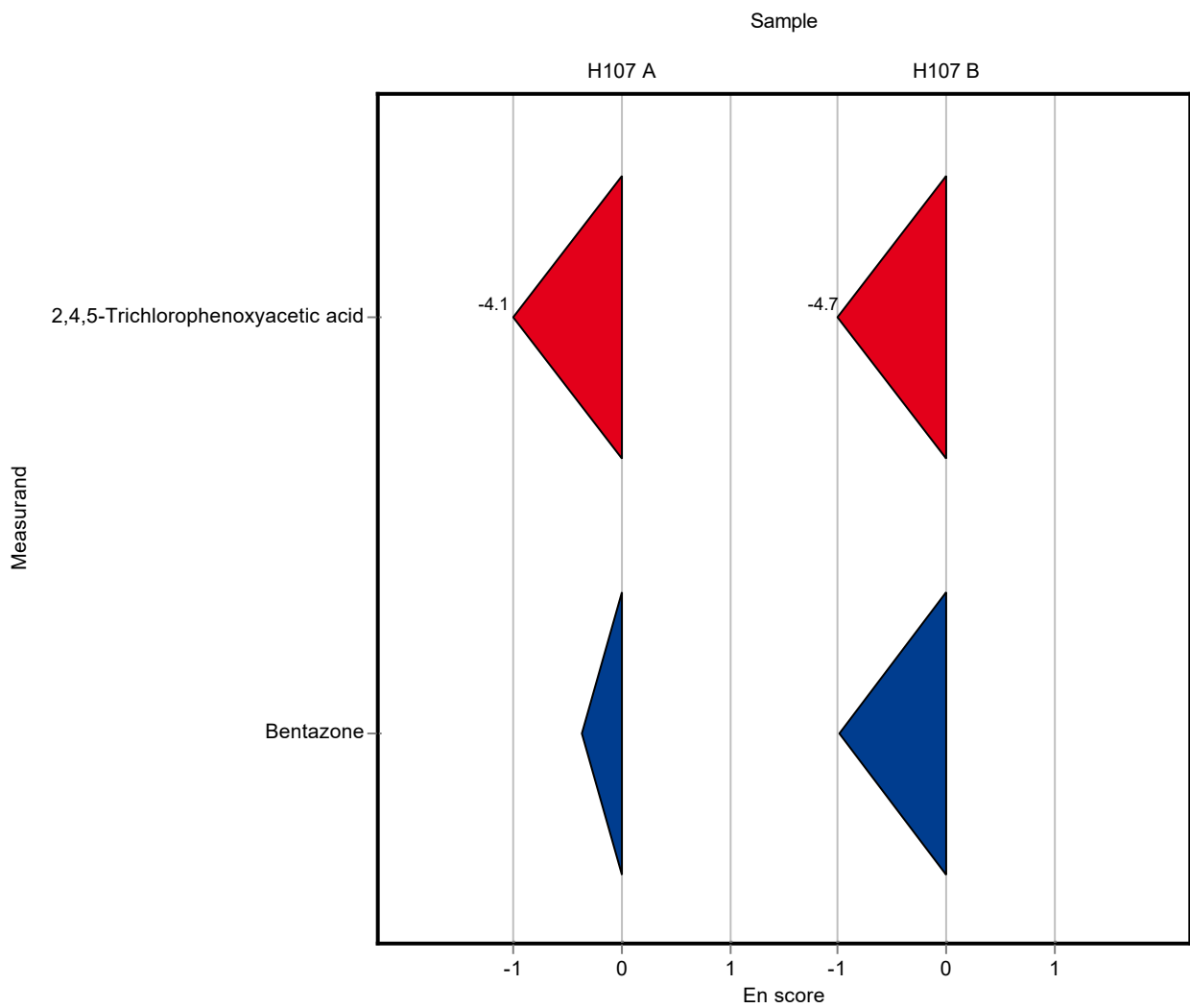
Sample: H107A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
2,4,5-Trichlorophenoxyacetic acid	µg/l	0.71 ± 0.0223	0.495 ± 0.024	0.128	69.7	-4.06
2,4-D (2,4-Dichlorphenoxyaceticacid)	µg/l	0.472 ± 0.0351	- ± -	0.0661	-	-
Alachlor	µg/l	0.746 ± 0.0719	- ± -	0.0895	-	-
Alachlor-t-acid (Alachlor-OA)	µg/l	0.271 ± 0.0693	- ± -	0.0406	-	-
Alachlor-t-sulfonic acid (Alachlor-ESA)	µg/l	0.164 ± 0.0375	- ± -	0.0459	-	-
AMPA	µg/l	- ± -	- ± -	-	-	-
Bentazone	µg/l	0.353 ± 0.0127	0.332 ± 0.028	0.053	94.1	-0.37
Dicamba	µg/l	0.931 ± 0.051	- ± -	0.186	-	-
Dichlorprop	µg/l	0.569 ± 0.0236	- ± -	0.0683	-	-
Glufosinate	µg/l	- ± -	- ± -	-	-	-
Glyphosate	µg/l	- ± -	- ± -	-	-	-
MCPP (Mecoprop)	µg/l	0.309 ± 0.012	- ± -	0.0402	-	-
Metazachlor	µg/l	- ± -	- ± -	-	-	-
Metazachlor ethane sulfonic acid (Metazachlor-ESA)	µg/l	0.357 ± 0.0245	- ± -	0.0679	-	-
Metazachlor oxanilic acid (Metazachlor-OA)	µg/l	0.304 ± 0.0331	- ± -	0.0639	-	-
Metolachlor	µg/l	- ± -	- ± -	-	-	-
s-Metolachlor ethanesulfonic acid (Metolachlor-ESA)	µg/l	0.394 ± 0.0335	- ± -	0.0788	-	-
s-Metolachlor oxanilic acid (Metolachlor-OA)	µg/l	0.206 ± 0.00504	- ± -	0.0289	-	-

Sample: H107B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
2,4,5-Trichlorophenoxyacetic acid	µg/l	0.443 ± 0.0161	0.206 ± 0.024	0.0798	46.5	-4.68
2,4-D (2,4-Dichlorphenoxyaceticacid)	µg/l	0.323 ± 0.00337	- ± -	0.0452	-	-
Alachlor	µg/l	0.424 ± 0.0538	- ± -	0.0508	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alachlor-t-acid (Alachlor-OA)	µg/l	0.564 ± 0.134	- ± -	0.0846	-	-
Alachlor-t-sulfonic acid (Alachlor-ESA)	µg/l	- ± -	- ± -	-	-	-
AMPA	µg/l	0.184 ± 0.0175	- ± -	0.0239	-	-
Bentazone	µg/l	0.285 ± 0.0158	0.227 ± 0.028	0.0427	79.8	-0.99
Dicamba	µg/l	0.468 ± 0.0149	- ± -	0.0936	-	-
Dichlorprop	µg/l	0.223 ± 0.00566	- ± -	0.0267	-	-
Glufosinate	µg/l	- ± -	- ± -	-	-	-
Glyphosate	µg/l	0.247 ± 0.0123	- ± -	0.0495	-	-
MCP (Mecoprop)	µg/l	0.322 ± 0.017	- ± -	0.0419	-	-
Metazachlor	µg/l	0.476 ± 0.0236	- ± -	0.0571	-	-
Metazachlor ethane sulfonic acid (Metazachlor-ESA)	µg/l	0.136 ± 0.00969	- ± -	0.0258	-	-
Metazachlor oxanilic acid (Metazachlor-OA)	µg/l	- ± -	- ± -	-	-	-
Metolachlor	µg/l	0.513 ± 0.0147	- ± -	0.077	-	-
s-Metolachlor ethanesulfonic acid (Metolachlor-ESA)	µg/l	0.318 ± 0.0329	- ± -	0.0636	-	-
s-Metolachlor oxanilic acid (Metolachlor-OA)	µg/l	0.394 ± 0.0167	- ± -	0.0552	-	-



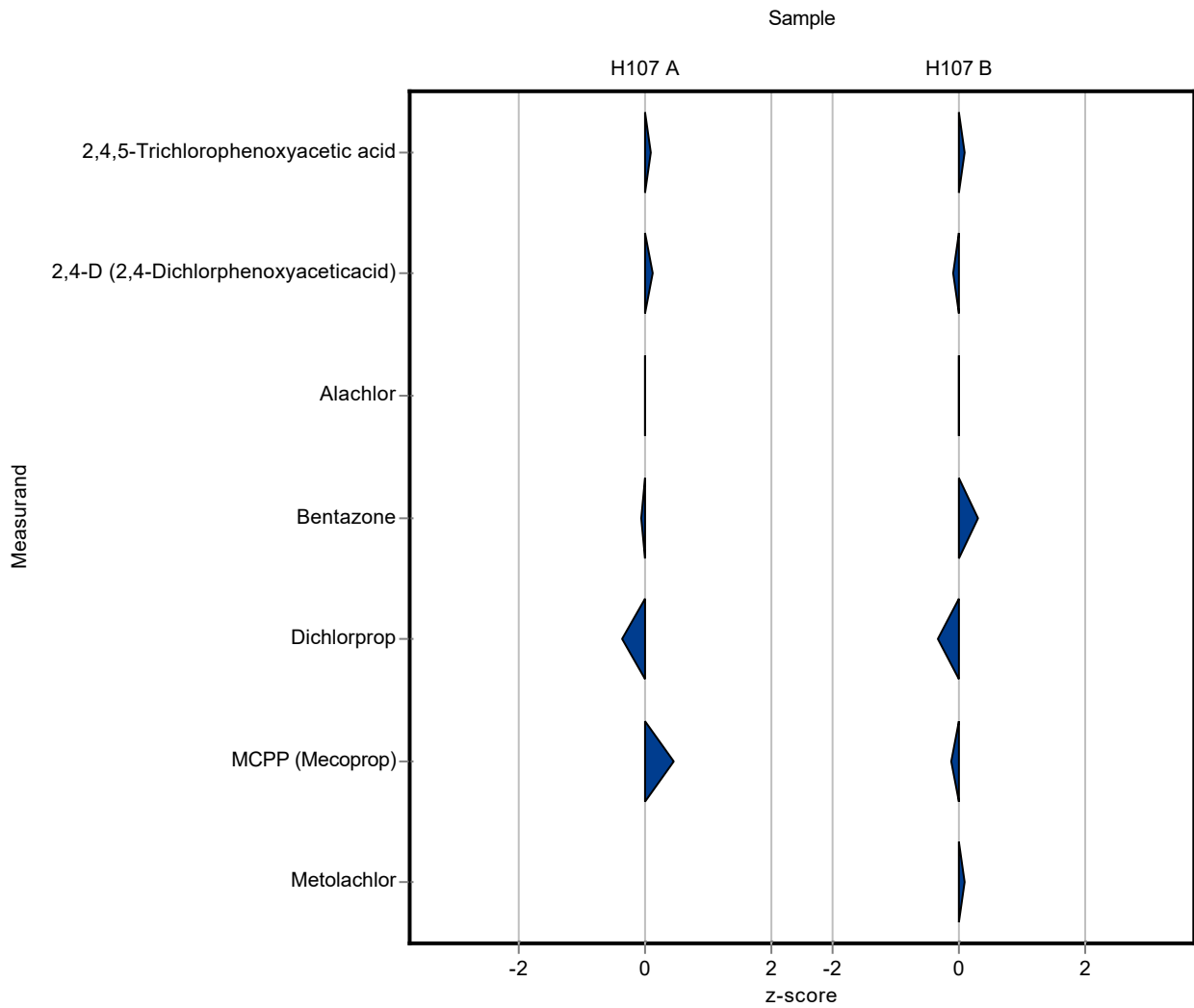
Sample: H107A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
2,4,5-Trichlorophenoxyacetic acid	µg/l	0.71 ± 0.0223	0.722 ± 0.217	0.128	102	0.09
2,4-D (2,4-Dichlorphenoxyaceticacid)	µg/l	0.472 ± 0.0351	0.481 ± 0.144	0.0661	102	0.14
Alachlor	µg/l	0.746 ± 0.0719	0.747 ± 0.224	0.0895	100	0.01
Alachlor-t-acid (Alachlor-OA)	µg/l	0.271 ± 0.0693	- ± -	0.0406	-	-
Alachlor-t-sulfonic acid (Alachlor-ESA)	µg/l	0.164 ± 0.0375	- ± -	0.0459	-	-
AMPA	µg/l	- ± -	- ± -	-	-	-
Bentazone	µg/l	0.353 ± 0.0127	0.349 ± 0.139	0.053	98.9	-0.08
Dicamba	µg/l	0.931 ± 0.051	- ± -	0.186	-	-
Dichlorprop	µg/l	0.569 ± 0.0236	0.545 ± 0.163	0.0683	95.8	-0.35
Glufosinate	µg/l	- ± -	- ± -	-	-	-
Glyphosate	µg/l	- ± -	- ± -	-	-	-
MCPP (Mecoprop)	µg/l	0.309 ± 0.012	0.327 ± 0.131	0.0402	106	0.45
Metazachlor	µg/l	- ± -	- ± -	-	-	-
Metazachlor ethane sulfonic acid (Metazachlor-ESA)	µg/l	0.357 ± 0.0245	- ± -	0.0679	-	-
Metazachlor oxanilic acid (Metazachlor-OA)	µg/l	0.304 ± 0.0331	- ± -	0.0639	-	-
Metolachlor	µg/l	- ± -	<0.05 (LOQ) ± -	-	-	-
s-Metolachlor ethanesulfonic acid (Metolachlor-ESA)	µg/l	0.394 ± 0.0335	- ± -	0.0788	-	-
s-Metolachlor oxanilic acid (Metolachlor-OA)	µg/l	0.206 ± 0.00504	- ± -	0.0289	-	-

Sample: H107B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
2,4,5-Trichlorophenoxyacetic acid	µg/l	0.443 ± 0.0161	0.451 ± 0.135	0.0798	102	0.10
2,4-D (2,4-Dichlorphenoxyaceticacid)	µg/l	0.323 ± 0.00337	0.319 ± 0.096	0.0452	98.7	-0.09
Alachlor	µg/l	0.424 ± 0.0538	0.423 ± 0.127	0.0508	99.9	-0.01

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alachlor-t-acid (Alachlor-OA)	µg/l	0.564 ± 0.134	- ± -	0.0846	-	-
Alachlor-t-sulfonic acid (Alachlor-ESA)	µg/l	- ± -	- ± -	-	-	-
AMPA	µg/l	0.184 ± 0.0175	- ± -	0.0239	-	-
Bentazone	µg/l	0.285 ± 0.0158	0.297 ± 0.119	0.0427	104	0.29
Dicamba	µg/l	0.468 ± 0.0149	- ± -	0.0936	-	-
Dichlorprop	µg/l	0.223 ± 0.00566	0.214 ± 0.064	0.0267	96.1	-0.33
Glufosinate	µg/l	- ± -	- ± -	-	-	-
Glyphosate	µg/l	0.247 ± 0.0123	- ± -	0.0495	-	-
MCP (Mecoprop)	µg/l	0.322 ± 0.017	0.317 ± 0.127	0.0419	98.4	-0.12
Metazachlor	µg/l	0.476 ± 0.0236	- ± -	0.0571	-	-
Metazachlor ethane sulfonic acid (Metazachlor-ESA)	µg/l	0.136 ± 0.00969	- ± -	0.0258	-	-
Metazachlor oxanilic acid (Metazachlor-OA)	µg/l	- ± -	- ± -	-	-	-
Metolachlor	µg/l	0.513 ± 0.0147	0.519 ± 0.156	0.077	101	0.08
s-Metolachlor ethanesulfonic acid (Metolachlor-ESA)	µg/l	0.318 ± 0.0329	- ± -	0.0636	-	-
s-Metolachlor oxanilic acid (Metolachlor-OA)	µg/l	0.394 ± 0.0167	- ± -	0.0552	-	-



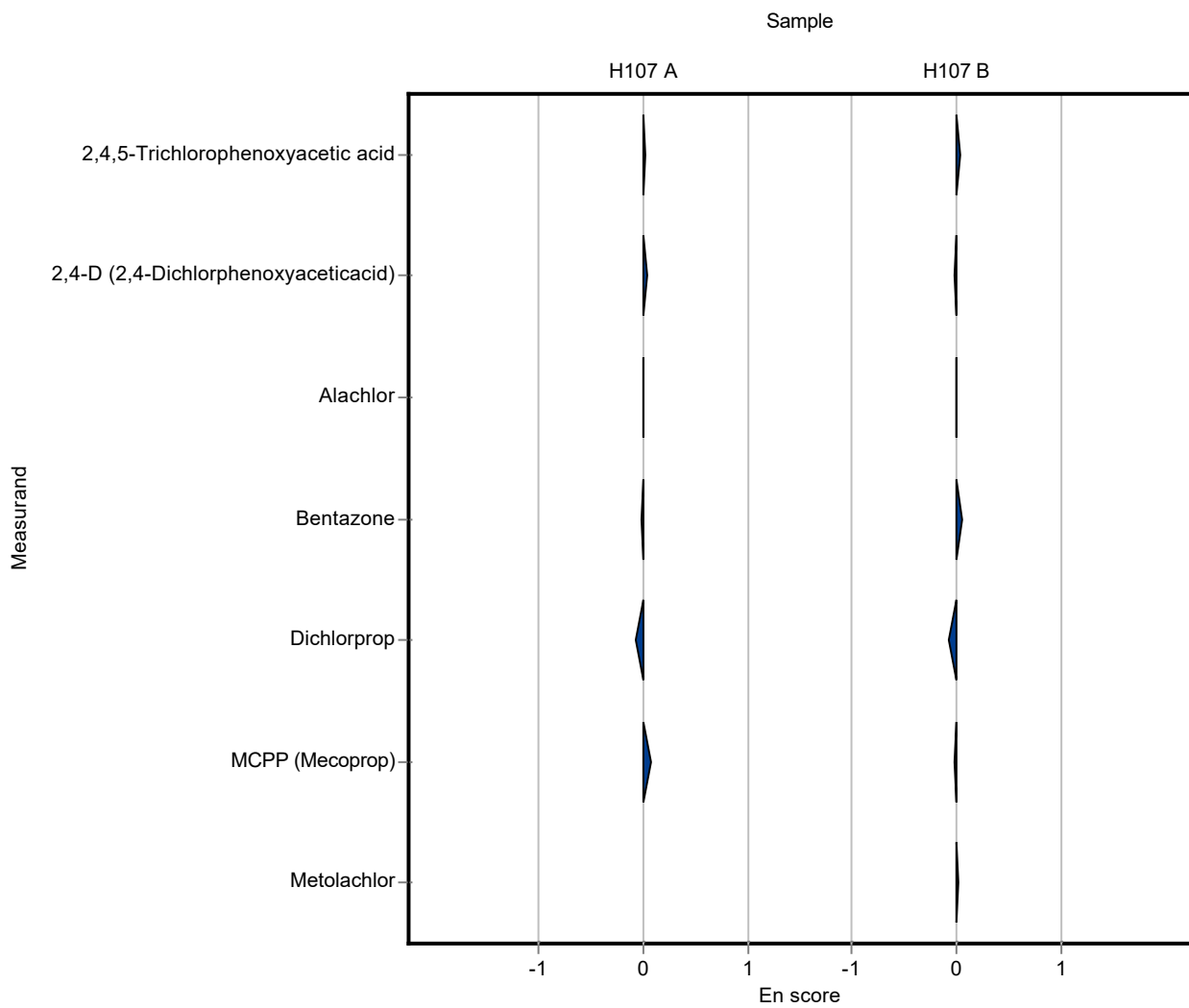
Sample: H107A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
2,4,5-Trichlorophenoxyacetic acid	µg/l	0.71 ± 0.0223	0.722 ± 0.217	0.128	102	0.03
2,4-D (2,4-Dichlorphenoxyaceticacid)	µg/l	0.472 ± 0.0351	0.481 ± 0.144	0.0661	102	0.03
Alachlor	µg/l	0.746 ± 0.0719	0.747 ± 0.224	0.0895	100	0.00
Alachlor-t-acid (Alachlor-OA)	µg/l	0.271 ± 0.0693	- ± -	0.0406	-	-
Alachlor-t-sulfonic acid (Alachlor-ESA)	µg/l	0.164 ± 0.0375	- ± -	0.0459	-	-
AMPA	µg/l	- ± -	- ± -	-	-	-
Bentazone	µg/l	0.353 ± 0.0127	0.349 ± 0.139	0.053	98.9	-0.01
Dicamba	µg/l	0.931 ± 0.051	- ± -	0.186	-	-
Dichlorprop	µg/l	0.569 ± 0.0236	0.545 ± 0.163	0.0683	95.8	-0.07
Glufosinate	µg/l	- ± -	- ± -	-	-	-
Glyphosate	µg/l	- ± -	- ± -	-	-	-
MCPP (Mecoprop)	µg/l	0.309 ± 0.012	0.327 ± 0.131	0.0402	106	0.07
Metazachlor	µg/l	- ± -	- ± -	-	-	-
Metazachlor ethane sulfonic acid (Metazachlor-ESA)	µg/l	0.357 ± 0.0245	- ± -	0.0679	-	-
Metazachlor oxanilic acid (Metazachlor-OA)	µg/l	0.304 ± 0.0331	- ± -	0.0639	-	-
Metolachlor	µg/l	- ± -	<0.05 (LOQ) ± -	-	-	-
s-Metolachlor ethanesulfonic acid (Metolachlor-ESA)	µg/l	0.394 ± 0.0335	- ± -	0.0788	-	-
s-Metolachlor oxanilic acid (Metolachlor-OA)	µg/l	0.206 ± 0.00504	- ± -	0.0289	-	-

Sample: H107B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
2,4,5-Trichlorophenoxyacetic acid	µg/l	0.443 ± 0.0161	0.451 ± 0.135	0.0798	102	0.03
2,4-D (2,4-Dichlorphenoxyaceticacid)	µg/l	0.323 ± 0.00337	0.319 ± 0.096	0.0452	98.7	-0.02
Alachlor	µg/l	0.424 ± 0.0538	0.423 ± 0.127	0.0508	99.9	0.00

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion Recovery [%]	En-Score
Alachlor-t-acid (Alachlor-OA)	µg/l	0.564 ± 0.134	- ± -	0.0846	-
Alachlor-t-sulfonic acid (Alachlor-ESA)	µg/l	- ± -	- ± -	-	-
AMPA	µg/l	0.184 ± 0.0175	- ± -	0.0239	-
Bentazone	µg/l	0.285 ± 0.0158	0.297 ± 0.119	0.0427	104
Dicamba	µg/l	0.468 ± 0.0149	- ± -	0.0936	-
Dichlorprop	µg/l	0.223 ± 0.00566	0.214 ± 0.064	0.0267	96.1
Glufosinate	µg/l	- ± -	- ± -	-	-
Glyphosate	µg/l	0.247 ± 0.0123	- ± -	0.0495	-
MCP (Mecoprop)	µg/l	0.322 ± 0.017	0.317 ± 0.127	0.0419	98.4
Metazachlor	µg/l	0.476 ± 0.0236	- ± -	0.0571	-
Metazachlor ethane sulfonic acid (Metazachlor-ESA)	µg/l	0.136 ± 0.00969	- ± -	0.0258	-
Metazachlor oxanilic acid (Metazachlor-OA)	µg/l	- ± -	- ± -	-	-
Metolachlor	µg/l	0.513 ± 0.0147	0.519 ± 0.156	0.077	101
s-Metolachlor ethanesulfonic acid (Metolachlor-ESA)	µg/l	0.318 ± 0.0329	- ± -	0.0636	-
s-Metolachlor oxanilic acid (Metolachlor-OA)	µg/l	0.394 ± 0.0167	- ± -	0.0552	-



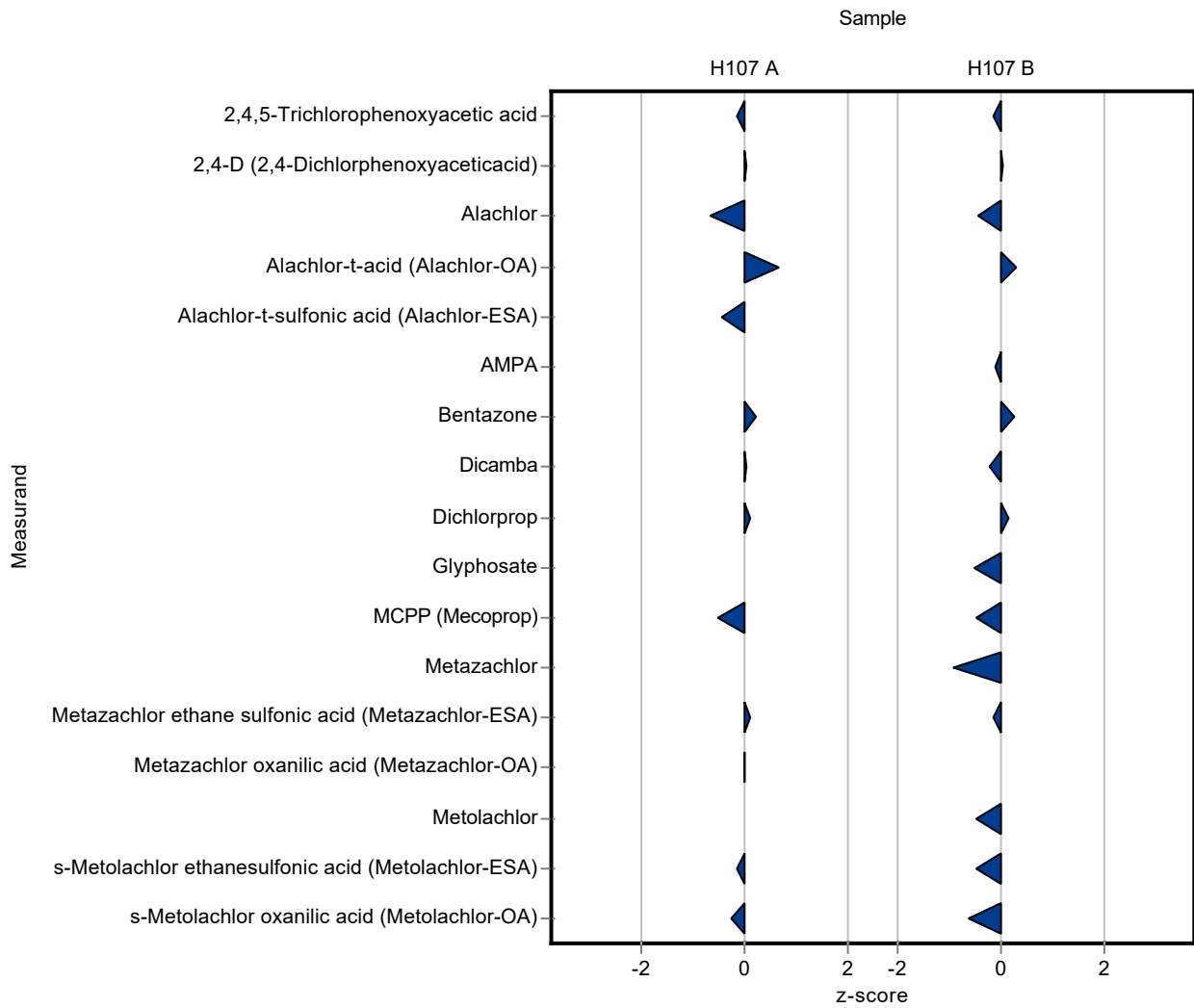
Sample: H107A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
2,4,5-Trichlorophenoxyacetic acid	µg/l	0.71 ± 0.0223	0.694 ± 0.065	0.128	97.7	-0.13
2,4-D (2,4-Dichlorphenoxyaceticacid)	µg/l	0.472 ± 0.0351	0.474 ± 0.036	0.0661	100	0.03
Alachlor	µg/l	0.746 ± 0.0719	0.686 ± 0.037	0.0895	91.9	-0.67
Alachlor-t-acid (Alachlor-OA)	µg/l	0.271 ± 0.0693	0.299 ± 0.034	0.0406	110	0.69
Alachlor-t-sulfonic acid (Alachlor-ESA)	µg/l	0.164 ± 0.0375	0.144 ± 0.016	0.0459	87.6	-0.44
AMPA	µg/l	- ± -	<0.05 (LOQ) ± -	-	-	-
Bentazone	µg/l	0.353 ± 0.0127	0.366 ± 0.026	0.053	104	0.25
Dicamba	µg/l	0.931 ± 0.051	0.94 ± 0.113	0.186	101	0.05
Dichlorprop	µg/l	0.569 ± 0.0236	0.578 ± 0.045	0.0683	102	0.13
Glufosinate	µg/l	- ± -	0.235 ± 0.049	-	-	-
Glyphosate	µg/l	- ± -	<0.05 (LOQ) ± -	-	-	-
MCPP (Mecoprop)	µg/l	0.309 ± 0.012	0.288 ± 0.027	0.0402	93.2	-0.52
Metazachlor	µg/l	- ± -	<0.025 (LOQ) ± -	-	-	-
Metazachlor ethane sulfonic acid (Metazachlor-ESA)	µg/l	0.357 ± 0.0245	0.366 ± 0.036	0.0679	102	0.13
Metazachlor oxanilic acid (Metazachlor-OA)	µg/l	0.304 ± 0.0331	0.305 ± 0.03	0.0639	100	0.01
Metolachlor	µg/l	- ± -	<0.025 (LOQ) ± -	-	-	-
s-Metolachlor ethanesulfonic acid (Metolachlor-ESA)	µg/l	0.394 ± 0.0335	0.384 ± 0.031	0.0788	97.5	-0.13
s-Metolachlor oxanilic acid (Metolachlor-OA)	µg/l	0.206 ± 0.00504	0.199 ± 0.028	0.0289	96.5	-0.25

Sample: H107B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
2,4,5-Trichlorophenoxyacetic acid	µg/l	0.443 ± 0.0161	0.43 ± 0.04	0.0798	97	-0.17
2,4-D (2,4-Dichlorphenoxyaceticacid)	µg/l	0.323 ± 0.00337	0.324 ± 0.025	0.0452	100	0.02
Alachlor	µg/l	0.424 ± 0.0538	0.401 ± 0.021	0.0508	94.7	-0.45

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alachlor-t-acid (Alachlor-OA)	µg/l	0.564 ± 0.134	0.588 ± 0.066	0.0846	104	0.29
Alachlor-t-sulfonic acid (Alachlor-ESA)	µg/l	- ± -	0.155 ± 0.017	-	-	-
AMPA	µg/l	0.184 ± 0.0175	0.181 ± 0.019	0.0239	98.5	-0.11
Bentazone	µg/l	0.285 ± 0.0158	0.296 ± 0.021	0.0427	104	0.27
Dicamba	µg/l	0.468 ± 0.0149	0.446 ± 0.054	0.0936	95.3	-0.23
Dichlorprop	µg/l	0.223 ± 0.00566	0.227 ± 0.018	0.0267	102	0.16
Glufosinate	µg/l	- ± -	<0.05 (LOQ) ± -	-	-	-
Glyphosate	µg/l	0.247 ± 0.0123	0.221 ± 0.019	0.0495	89.3	-0.53
MCP (Mecoprop)	µg/l	0.322 ± 0.017	0.301 ± 0.029	0.0419	93.4	-0.51
Metazachlor	µg/l	0.476 ± 0.0236	0.422 ± 0.029	0.0571	88.7	-0.94
Metazachlor ethane sulfonic acid (Metazachlor-ESA)	µg/l	0.136 ± 0.00969	0.132 ± 0.013	0.0258	97.2	-0.14
Metazachlor oxanilic acid (Metazachlor-OA)	µg/l	- ± -	<0.025 (LOQ) ± -	-	-	-
Metolachlor	µg/l	0.513 ± 0.0147	0.474 ± 0.039	0.077	92.4	-0.51
s-Metolachlor ethanesulfonic acid (Metolachlor-ESA)	µg/l	0.318 ± 0.0329	0.287 ± 0.024	0.0636	90.3	-0.49
s-Metolachlor oxanilic acid (Metolachlor-OA)	µg/l	0.394 ± 0.0167	0.359 ± 0.05	0.0552	91	-0.64



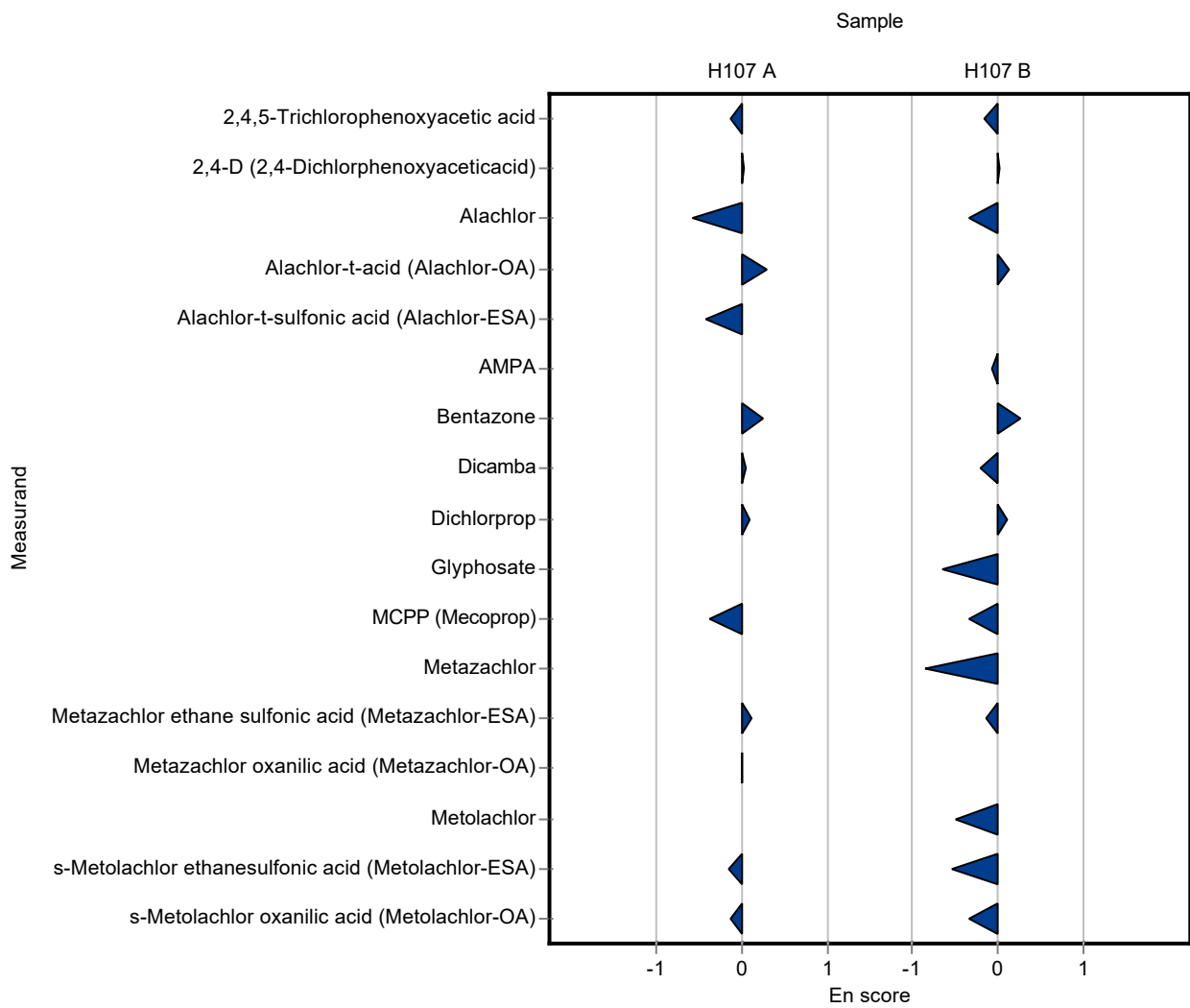
Sample: H107A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
2,4,5-Trichlorophenoxyacetic acid	µg/l	0.71 ± 0.0223	0.694 ± 0.065	0.128	97.7	-0.12
2,4-D (2,4-Dichlorphenoxyaceticacid)	µg/l	0.472 ± 0.0351	0.474 ± 0.036	0.0661	100	0.02
Alachlor	µg/l	0.746 ± 0.0719	0.686 ± 0.037	0.0895	91.9	-0.58
Alachlor-t-acid (Alachlor-OA)	µg/l	0.271 ± 0.0693	0.299 ± 0.034	0.0406	110	0.29
Alachlor-t-sulfonic acid (Alachlor-ESA)	µg/l	0.164 ± 0.0375	0.144 ± 0.016	0.0459	87.6	-0.41
AMPA	µg/l	- ± -	<0.05 (LOQ) ± -	-	-	-
Bentazone	µg/l	0.353 ± 0.0127	0.366 ± 0.026	0.053	104	0.24
Dicamba	µg/l	0.931 ± 0.051	0.94 ± 0.113	0.186	101	0.04
Dichlorprop	µg/l	0.569 ± 0.0236	0.578 ± 0.045	0.0683	102	0.10
Glufosinate	µg/l	- ± -	0.235 ± 0.049	-	-	-
Glyphosate	µg/l	- ± -	<0.05 (LOQ) ± -	-	-	-
MCPP (Mecoprop)	µg/l	0.309 ± 0.012	0.288 ± 0.027	0.0402	93.2	-0.38
Metazachlor	µg/l	- ± -	<0.025 (LOQ) ± -	-	-	-
Metazachlor ethane sulfonic acid (Metazachlor-ESA)	µg/l	0.357 ± 0.0245	0.366 ± 0.036	0.0679	102	0.12
Metazachlor oxanilic acid (Metazachlor-OA)	µg/l	0.304 ± 0.0331	0.305 ± 0.03	0.0639	100	0.01
Metolachlor	µg/l	- ± -	<0.025 (LOQ) ± -	-	-	-
s-Metolachlor ethanesulfonic acid (Metolachlor-ESA)	µg/l	0.394 ± 0.0335	0.384 ± 0.031	0.0788	97.5	-0.14
s-Metolachlor oxanilic acid (Metolachlor-OA)	µg/l	0.206 ± 0.00504	0.199 ± 0.028	0.0289	96.5	-0.13

Sample: H107B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
2,4,5-Trichlorophenoxyacetic acid	µg/l	0.443 ± 0.0161	0.43 ± 0.04	0.0798	97	-0.16
2,4-D (2,4-Dichlorphenoxyaceticacid)	µg/l	0.323 ± 0.00337	0.324 ± 0.025	0.0452	100	0.02
Alachlor	µg/l	0.424 ± 0.0538	0.401 ± 0.021	0.0508	94.7	-0.33

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alachlor-t-acid (Alachlor-OA)	µg/l	0.564 ± 0.134	0.588 ± 0.066	0.0846	104	0.13
Alachlor-t-sulfonic acid (Alachlor-ESA)	µg/l	- ± -	0.155 ± 0.017	-	-	-
AMPA	µg/l	0.184 ± 0.0175	0.181 ± 0.019	0.0239	98.5	-0.07
Bentazone	µg/l	0.285 ± 0.0158	0.296 ± 0.021	0.0427	104	0.25
Dicamba	µg/l	0.468 ± 0.0149	0.446 ± 0.054	0.0936	95.3	-0.20
Dichlorprop	µg/l	0.223 ± 0.00566	0.227 ± 0.018	0.0267	102	0.12
Glufosinate	µg/l	- ± -	<0.05 (LOQ) ± -	-	-	-
Glyphosate	µg/l	0.247 ± 0.0123	0.221 ± 0.019	0.0495	89.3	-0.66
MCP (Mecoprop)	µg/l	0.322 ± 0.017	0.301 ± 0.029	0.0419	93.4	-0.35
Metazachlor	µg/l	0.476 ± 0.0236	0.422 ± 0.029	0.0571	88.7	-0.85
Metazachlor ethane sulfonic acid (Metazachlor-ESA)	µg/l	0.136 ± 0.00969	0.132 ± 0.013	0.0258	97.2	-0.14
Metazachlor oxanilic acid (Metazachlor-OA)	µg/l	- ± -	<0.025 (LOQ) ± -	-	-	-
Metolachlor	µg/l	0.513 ± 0.0147	0.474 ± 0.039	0.077	92.4	-0.49
s-Metolachlor ethanesulfonic acid (Metolachlor-ESA)	µg/l	0.318 ± 0.0329	0.287 ± 0.024	0.0636	90.3	-0.53
s-Metolachlor oxanilic acid (Metolachlor-OA)	µg/l	0.394 ± 0.0167	0.359 ± 0.05	0.0552	91	-0.35



E9. Methodenübersicht / Overview of methods

LabCode	Sample	Alachlor	Metazachlor	Metolachlor	2,4-D (2,4-Dichlorphenoxyaceticacid)
LC0001	H107A		LC-MS/MS direct;	LC-MS/MS direct;	LC-MS/MS direct;
LC0002	H107A	LC-MS/MS direct;	LC-MS/MS direct;	LC-MS/MS direct;	LC-MS/MS direct;
LC0003	H107A				
LC0004	H107A		LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36
LC0005	H107A	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36
LC0006	H107A		LC-MS/MS direct;	LC-MS/MS direct;	LC-MS/MS direct;
LC0007	H107A			LC-MS/MS direct;	
LC0008	H107A				
LC0009	H107A	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36
LC0010	H107A	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36	LC-MS/MS; DIN 38407-35
LC0011	H107A	HPLC-UV; EN ISO 11369		HPLC-UV; EN ISO 11369	
LC0012	H107A		LC-MS/MS direct;	LC-MS/MS direct;	
LC0013	H107A	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36
LC0014	H107A	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36	LC-MS/MS; DIN 38407-35
LC0015	H107A	HPLC-UV; EN ISO 11369	HPLC-UV; EN ISO 11369	HPLC-UV; EN ISO 11369	HPLC-UV; EN ISO 11369
LC0016	H107A				
LC0017	H107A	LC-MS/MS ; (UPLC)		LC-MS/MS ; (UPLC)	LC-MS/MS ; (UPLC)
LC0018	H107A	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36	LC-MS/MS; DIN 38407-35
LC0001	H107B		LC-MS/MS direct;	LC-MS/MS direct;	LC-MS/MS direct;
LC0002	H107B	LC-MS/MS direct;	LC-MS/MS direct;	LC-MS/MS direct;	LC-MS/MS direct;
LC0003	H107B				
LC0004	H107B		LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36
LC0005	H107B	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36
LC0006	H107B		LC-MS/MS direct;	LC-MS/MS direct;	LC-MS/MS direct;
LC0007	H107B			LC-MS/MS direct;	
LC0008	H107B				
LC0009	H107B	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36
LC0010	H107B	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36	LC-MS/MS; DIN 38407-35
LC0011	H107B	HPLC-UV; EN ISO 11369		HPLC-UV; EN ISO 11369	
LC0012	H107B		LC-MS/MS direct;	LC-MS/MS direct;	
LC0013	H107B	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36
LC0014	H107B	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36	LC-MS/MS; DIN 38407-35
LC0015	H107B	HPLC-UV; EN ISO 11369	HPLC-UV; EN ISO 11369	HPLC-UV; EN ISO 11369	HPLC-UV; EN ISO 11369
LC0016	H107B				
LC0017	H107B	LC-MS/MS ; (UPLC)		LC-MS/MS ; (UPLC)	LC-MS/MS ; (UPLC)
LC0018	H107B	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36	LC-MS/MS; DIN 38407-35

LabCode	Sample	Bentazone	2,4,5-Trichlorophenoxyacetic acid	Dichlorprop	MCPP (Mecoprop)
LC0001	H107A		LC-MS/MS direct;	LC-MS/MS direct;	LC-MS/MS direct;
LC0002	H107A	LC-MS/MS direct;	LC-MS/MS direct;	LC-MS/MS direct;	LC-MS/MS direct;
LC0003	H107A				
LC0004	H107A		LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36
LC0005	H107A	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36
LC0006	H107A		LC-MS/MS direct;	LC-MS/MS direct;	LC-MS/MS direct;
LC0007	H107A			LC-MS/MS direct;	
LC0008	H107A				
LC0009	H107A	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36
LC0010	H107A	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36	LC-MS/MS; DIN 38407-35
LC0011	H107A	HPLC-UV; EN ISO 11369		HPLC-UV; EN ISO 11369	
LC0012	H107A		LC-MS/MS direct;	LC-MS/MS direct;	
LC0013	H107A	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36
LC0014	H107A	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36	LC-MS/MS; DIN 38407-35
LC0015	H107A	HPLC-UV; EN ISO 11369	HPLC-UV; EN ISO 11369	HPLC-UV; EN ISO 11369	HPLC-UV; EN ISO 11369
LC0016	H107A				
LC0017	H107A	LC-MS/MS ; (UPLC)		LC-MS/MS ; (UPLC)	LC-MS/MS ; (UPLC)
LC0018	H107A	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36	LC-MS/MS; DIN 38407-35
LC0001	H107B		LC-MS/MS direct;	LC-MS/MS direct;	LC-MS/MS direct;
LC0002	H107B	LC-MS/MS direct;	LC-MS/MS direct;	LC-MS/MS direct;	LC-MS/MS direct;
LC0003	H107B				
LC0004	H107B		LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36
LC0005	H107B	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36
LC0006	H107B		LC-MS/MS direct;	LC-MS/MS direct;	LC-MS/MS direct;
LC0007	H107B			LC-MS/MS direct;	
LC0008	H107B				
LC0009	H107B	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36
LC0010	H107B	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36	LC-MS/MS; DIN 38407-35
LC0011	H107B	HPLC-UV; EN ISO 11369		HPLC-UV; EN ISO 11369	
LC0012	H107B		LC-MS/MS direct;	LC-MS/MS direct;	
LC0013	H107B	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36
LC0014	H107B	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36	LC-MS/MS; DIN 38407-35
LC0015	H107B	HPLC-UV; EN ISO 11369	HPLC-UV; EN ISO 11369	HPLC-UV; EN ISO 11369	HPLC-UV; EN ISO 11369
LC0016	H107B				
LC0017	H107B	LC-MS/MS ; (UPLC)		LC-MS/MS ; (UPLC)	LC-MS/MS ; (UPLC)
LC0018	H107B	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36	LC-MS/MS; DIN 38407-35

LabCode	Sample	Dicamba	Glyphosate	Glufosinate	AMPA
LC0001	H107A		LC-MS/MS direct;	LC-MS/MS direct;	LC-MS/MS direct;
LC0002	H107A	LC-MS/MS direct;	LC-MS/MS direct;	LC-MS/MS direct;	LC-MS/MS direct;
LC0003	H107A				
LC0004	H107A		LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36
LC0005	H107A	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36
LC0006	H107A		LC-MS/MS direct;	LC-MS/MS direct;	LC-MS/MS direct;
LC0007	H107A			LC-MS/MS direct;	
LC0008	H107A				
LC0009	H107A	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36
LC0010	H107A	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36	LC-MS/MS; DIN 38407-35
LC0011	H107A	HPLC-UV; EN ISO 11369		HPLC-UV; EN ISO 11369	
LC0012	H107A		LC-MS/MS direct;	LC-MS/MS direct;	
LC0013	H107A	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36
LC0014	H107A	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36	LC-MS/MS; DIN 38407-35
LC0015	H107A	HPLC-UV; EN ISO 11369	HPLC-UV; EN ISO 11369	HPLC-UV; EN ISO 11369	HPLC-UV; EN ISO 11369
LC0016	H107A				
LC0017	H107A	LC-MS/MS ; (UPLC)		LC-MS/MS ; (UPLC)	LC-MS/MS ; (UPLC)
LC0018	H107A	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36	LC-MS/MS; DIN 38407-35
LC0001	H107B		LC-MS/MS direct;	LC-MS/MS direct;	LC-MS/MS direct;
LC0002	H107B	LC-MS/MS direct;	LC-MS/MS direct;	LC-MS/MS direct;	LC-MS/MS direct;
LC0003	H107B				
LC0004	H107B		LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36
LC0005	H107B	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36
LC0006	H107B		LC-MS/MS direct;	LC-MS/MS direct;	LC-MS/MS direct;
LC0007	H107B			LC-MS/MS direct;	
LC0008	H107B				
LC0009	H107B	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36
LC0010	H107B	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36	LC-MS/MS; DIN 38407-35
LC0011	H107B	HPLC-UV; EN ISO 11369		HPLC-UV; EN ISO 11369	
LC0012	H107B		LC-MS/MS direct;	LC-MS/MS direct;	
LC0013	H107B	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36
LC0014	H107B	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36	LC-MS/MS; DIN 38407-35
LC0015	H107B	HPLC-UV; EN ISO 11369	HPLC-UV; EN ISO 11369	HPLC-UV; EN ISO 11369	HPLC-UV; EN ISO 11369
LC0016	H107B				
LC0017	H107B	LC-MS/MS ; (UPLC)		LC-MS/MS ; (UPLC)	LC-MS/MS ; (UPLC)
LC0018	H107B	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36	LC-MS/MS; DIN 38407-35

LabCode	Sample	s-Metolachlor ethanesulfonic acid (Metolachlor-ESA)	s-Metolachlor oxanilic acid (Metolachlor-OA)	Alachlor-t-sulfonic acid (Alachlor-ESA)	Alachlor-t-acid (Alachlor-OA)
C0001	H107A		LC-MS/MS direct;	LC-MS/MS direct;	LC-MS/MS direct;
C0002	H107A	LC-MS/MS direct;	LC-MS/MS direct;	LC-MS/MS direct;	LC-MS/MS direct;
LC0003	H107A				
LC0004	H107A		LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36
LC0005	H107A	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36
LC0006	H107A		LC-MS/MS direct;	LC-MS/MS direct;	LC-MS/MS direct;
LC0007	H107A			LC-MS/MS direct;	
LC0008	H107A				
LC0009	H107A	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36
LC0010	H107A	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36	LC-MS/MS; DIN 38407-35
LC0011	H107A	HPLC-UV; EN ISO 11369		HPLC-UV; EN ISO 11369	
LC0012	H107A		LC-MS/MS direct;	LC-MS/MS direct;	
LC0013	H107A	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36
LC0014	H107A	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36	LC-MS/MS; DIN 38407-35
LC0015	H107A	HPLC-UV; EN ISO 11369	HPLC-UV; EN ISO 11369	HPLC-UV; EN ISO 11369	HPLC-UV; EN ISO 11369
LC0016	H107A				
LC0017	H107A	LC-MS/MS ; (UPLC)		LC-MS/MS ; (UPLC)	LC-MS/MS ; (UPLC)
LC0018	H107A	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36	LC-MS/MS; DIN 38407-35
LC0001	H107B		LC-MS/MS direct;	LC-MS/MS direct;	LC-MS/MS direct;
LC0002	H107B	LC-MS/MS direct;	LC-MS/MS direct;	LC-MS/MS direct;	LC-MS/MS direct;
LC0003	H107B				
LC0004	H107B		LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36
LC0005	H107B	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36
LC0006	H107B		LC-MS/MS direct;	LC-MS/MS direct;	LC-MS/MS direct;
LC0007	H107B			LC-MS/MS direct;	
LC0008	H107B				
LC0009	H107B	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36
LC0010	H107B	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36	LC-MS/MS; DIN 38407-35
LC0011	H107B	HPLC-UV; EN ISO 11369		HPLC-UV; EN ISO 11369	
LC0012	H107B		LC-MS/MS direct;	LC-MS/MS direct;	
LC0013	H107B	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36
LC0014	H107B	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36	LC-MS/MS; DIN 38407-35
LC0015	H107B	HPLC-UV; EN ISO 11369	HPLC-UV; EN ISO 11369	HPLC-UV; EN ISO 11369	HPLC-UV; EN ISO 11369
LC0016	H107B				
LC0017	H107B	LC-MS/MS ; (UPLC)		LC-MS/MS ; (UPLC)	LC-MS/MS ; (UPLC)
LC0018	H107B	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36	LC-MS/MS; DIN 38407-35

LabCode	Sample	Metazachlor ethane sulfonic acid (Metazachlor-ESA)	Metazachlor oxanilic acid (Metazachlor-OA)
LC0001	H107A		LC-MS/MS direct;
LC0002	H107A	LC-MS/MS direct;	LC-MS/MS direct;
LC0003	H107A		
LC0004	H107A		LC-MS/MS direct; DIN 38407-36
LC0005	H107A	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36
LC0006	H107A		LC-MS/MS direct;
LC0007	H107A		
LC0008	H107A		
LC0009	H107A	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36
LC0010	H107A	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36
LC0011	H107A	HPLC-UV; EN ISO 11369	
LC0012	H107A		LC-MS/MS direct;
LC0013	H107A	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36
LC0014	H107A	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36
LC0015	H107A	HPLC-UV; EN ISO 11369	HPLC-UV; EN ISO 11369
LC0016	H107A		
LC0017	H107A	LC-MS/MS ; (UPLC)	
LC0018	H107A	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36
LC0001	H107B		LC-MS/MS direct;
LC0002	H107B	LC-MS/MS direct;	LC-MS/MS direct;
LC0003	H107B		
LC0004	H107B		LC-MS/MS direct; DIN 38407-36
LC0005	H107B	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36
LC0006	H107B		LC-MS/MS direct;
LC0007	H107B		
LC0008	H107B		
LC0009	H107B	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36
LC0010	H107B	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36
LC0011	H107B	HPLC-UV; EN ISO 11369	
LC0012	H107B		LC-MS/MS direct;
LC0013	H107B	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36
LC0014	H107B	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36
LC0015	H107B	HPLC-UV; EN ISO 11369	HPLC-UV; EN ISO 11369
LC0016	H107B		
LC0017	H107B	LC-MS/MS ; (UPLC)	
LC0018	H107B	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36