umweltbundesamt
ENVIRONMENT AGENCY AUSTRIA

Proficiency Testing Scheme für die Wasseranalytik - Realproben

H117 Herbizide/Pestizide

Proficiency Testing Scheme for Water Analysis - natural water samples

H117 Herbicides/Pesticides

BERICHT / REPORT

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D1. Beschreibung des Ringversuchs

D1.1. Ausgestaltung und Durchführung

- Anzahl der Anmeldungen: 17
- Anzahl der übermittelten Datensätze: 17
- Probenversand: 10.10.2023
- Einsendeschluss der Daten: 14.11.2023

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

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

D1.2. Beschreibung der Prüfgegenstände

Die Probenahme von Grundwasser und Oberflächenwasser erfolgte am 06.10.2023. Das Probenmaterial umfasste:

- 1 Probe Grundwasser (H117 A)
- 1 Probe Oberflächenwasser (H117 B)

Alle Proben wurden bis zur weiteren Verarbeitung gekühlt gelagert (4 +/- 3 °C).

Das Abfüllen der Proben erfolgte nach Filtration (40 µm) unter ständigem Rühren (Rührkessel). Die o.a. Proben wurden zusätzlich mit einzelnen Substanzen im Rührkessel dotiert. Die Stabilisierung erfolgte durch Kühlung.

Die homogenen Prüfgegenstände wurden am 10.10.2023 verschickt.

Jedes Teilnehmerlabor erhielt, je nach Bestellung:

- 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

D1.3. Anweisungen für die Teilnehmenden

Aus Stabilitätsgründen wurde empfohlen bis spätestens 18.10.2023 mit den Analysen zu beginnen.

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

D1.4. Kontrollanalytik zur Bewertung der Homogenität

Im Zuge der Abfüllung wurden zu willkürlichen Zeitpunkten mehrere Aliquote pro Probe zur Kontrollanalytik entnommen.
Es wurden für die A- bzw. B-Probe jeweils n=5 Kontrollproben sowie n=1 undotierte Realprobe dem Labor zur Analyse übergeben.

Alle Parameter wurden in der Prüfstelle am Umweltbundesamt (Prüfstelle für Umwelt-, GVO- & Treibstoffanalytik, akkreditiert nach EN ISO/IEC 17025 für die angeführten Substanzen) zeitnah zum Probenversand analysiert.

Im Zuge der Auswertung wurde die relative Standardabweichung zwischen den Kontrollprobenabfüllungen bewertet und mit der Vergleichsstandardabweichung beim aktuellen Ringversuch verglichen.
Die Ergebnisse der Kontrollanalytik sind in der parameterorientieren Auswertung (E7) in Form von Mittelwerten ± Messunsicherheit als Kontrollwert (control test value) ± U gelistet (jeweils angegeben als erweiterte Messunsicherheit, k=2).

D1.5. Trendtest zur Bewertung der Stabilität

Die Bewertung der Stabilität der Prüfgegenstände (Realproben) erfolgte auf Basis der Datenstatistik aus den vergangenen Runden im Zeitraum 2013 bis 2021.

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

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

D1.6. Ermittlung des zugewiesenen Wertes

Die Ergebnisse der Analysen mussten spätestens bis zum 14.11.2023 beim Veranstalter vorliegen. Später eingehende Werte wurden nicht berücksichtigt.

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

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

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

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

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

D2. Kriterien der Leistungsbewertung

D2.1. Leistungskriterium z-Score

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

Die Ermittlung der z-Scores erfolgte gemäß nachfolgender Formel:

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

Dabei ist:

x_i	Messergebnis des teilnehmenden Labors
$\overline{X}$	zugewiesener Wert Sollwert für die Leistungsbewertung der Teilnehmenden (angegeben auf 3 signifikante Stellen); im Regelfall: ausreißerbereinigter Mittelwert der Ergebnisse der Teilnehmenden. Eine davon abweichende Vorgehensweise wird unter Punkt D4 des Berichts beschrieben.
Kriterium	Vergleichsstandardabweichung berechnet aus den Statistiken für reale Wasserproben der vorangegangenen Runden im Zeitraum 2013 bis 2021 (RSDpooled) bzw. aus den ausreißerbereinigten Ergebnissen der Teilnehmenden (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 Teilnehmenden und der erweiterten Messunsicherheit des zugewiesenen Wertes, gemäß E_n-Score. Diese Auswertungen werden für die Teilnehmenden im Bericht unter Punkt E8, jeweils im Anschluss an die z-Score Auswertung dargestellt.

Die Ermittlung der E_n-Scores erfolgte gemäß nachfolgender Formel:

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

Dabei ist:

x_i	Messergebnis des teilnehmenden Labors
$\overline{X}$	zugewiesener Wert Sollwert für die Leistungsbewertung der Teilnehmenden (angegeben auf 3 signifikante Stellen); im Regelfall: ausreißerbereinigter Mittelwert der

Ergebnisse der Teilnehmenden. Eine davon abweichende Vorgehensweise wird unter Punkt D4 des Berichts beschrieben.

U(x_i) erweiterte Messunsicherheit des Messergebnisses (Ergebnisse der Teilnehmenden), k=2

U($\bar{X}$) erweiterte Messunsicherheit des zugewiesenen Wertes, k=2

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

Interpretation der z-Scores:

- |z-Score| ≤ 2.0 Ergebnis gut
- 2.0 < |z-Score| < 3.0 Ergebnis fragwürdig
- |z-Score| ≥ 3.0 Ergebnis nicht zufriedenstellend

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

Interpretation der E_n-Scores:

- |E_n-Score| ≤ 1.0 zufriedenstellende Leistung
- |E_n-Score| > 1.0 nicht zufriedenstellende Leistung

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

D3. Darstellung und Interpretation der Messergebnisse

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

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

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

D4. Anmerkungen zur Auswertung

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

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

Als Ergebnis einer Langzeitauswertung über aktuell 9 Eignungsprüfungsrunden (2013–2021) in Realproben wurden Kriterien (RSDpooled) zur Ergebnisbewertung berechnet. Diese wurden im Zuge der Auswertung den relativen Vergleichs-standardabweichungen (vR) des aktuellen Ringversuchs gegenübergestellt.

Parameter Aldrin, Atrazin-desisopropyl, Atrazin-desethyl, Atrazin, Propazin, Prometryn, Clothianidin, Cyanazin, Thiacloprid, Imidacloprid, Bromacil, Thiamethoxam bei Probe H117 A und Parameter Atrazin-desisopropyl, Atrazin-desethyl, Atrazin, Propazin, Prometryn, Clothianidin, Cyanazin, Thiacloprid, Imidacloprid, Bromacil, Thiamethoxam bei Probe H117 B: Bei diesen Parametern erfolgt die Berechnung der Scores nach D2 (inkl. Kriterium RSDpooled).

Parameter Acetamiprid, Dieldrin, Dinotefuran, Endrin, Lindan, Nitenpyram, Summe Chlordan, Summe DDD, Summe DDE, Summe DDT, Summe Endosulfan bei Probe H117 A und Parameter Acetamiprid, Dinotefuran, Endrin, Lindan, Nitenpyram, Summe Chlordan, Summe DDD, Summe DDE, Summe DDT, Summe Endosulfan bei Probe H117 B: Aufgrund einer zu geringen Anzahl an übermittelten Ergebnissen der Teilnehmenden ($n < 6$) bzw. aufgrund von weniger als 6 vorliegenden Ergebnissen nach Ausreißerbereinigung konnte kein Sollwert berechnet werden. Für diese Parameter empfehlen wir einen Vergleich mit den in D6.1 angeführten informativen Werten.

Parameter Heptachlor bei Proben H117 A und H117 B: Die relative Vergleichs-standardabweichung lag hier über 50 %. Bei diesem Parameter gab es keine ausreichende Anzahl an Messergebnissen der akkreditierten Labore, um einen zugewiesenen Wert zu berechnen ($n < 6$). Wir empfehlen einen Vergleich mit den in D.6.1 angeführten informativen Werten.

Parameter Aldrin bei Probe H117 B: Die Ermittlung des zugewiesenen Wertes erfolgte nach Ausreißerelimination des Messergebnisses von LC0010 (H95). Als Kriterium wurde RSDpooled herangezogen.

Parameter Dieldrin bei Probe H117 B: Der auf Basis der Ergebnisse der Teilnehmenden berechnete Sollwert lag außerhalb der Messunsicherheit des Kontrollwertes und es ist über das Kontrolllabor keine Rückführbarkeit möglich. Bei diesem Parameter lagen weniger als 6 Messergebnisse von akkreditierten Laboren vor, um einen zugewiesenen Wert zu berechnen. Wir empfehlen einen Vergleich mit den in D6.1 angeführten informativen Werten.

D5. Erläuterung zu Tabellen und Grafiken

D5.1. Angaben und Abkürzungen in Tabellen

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

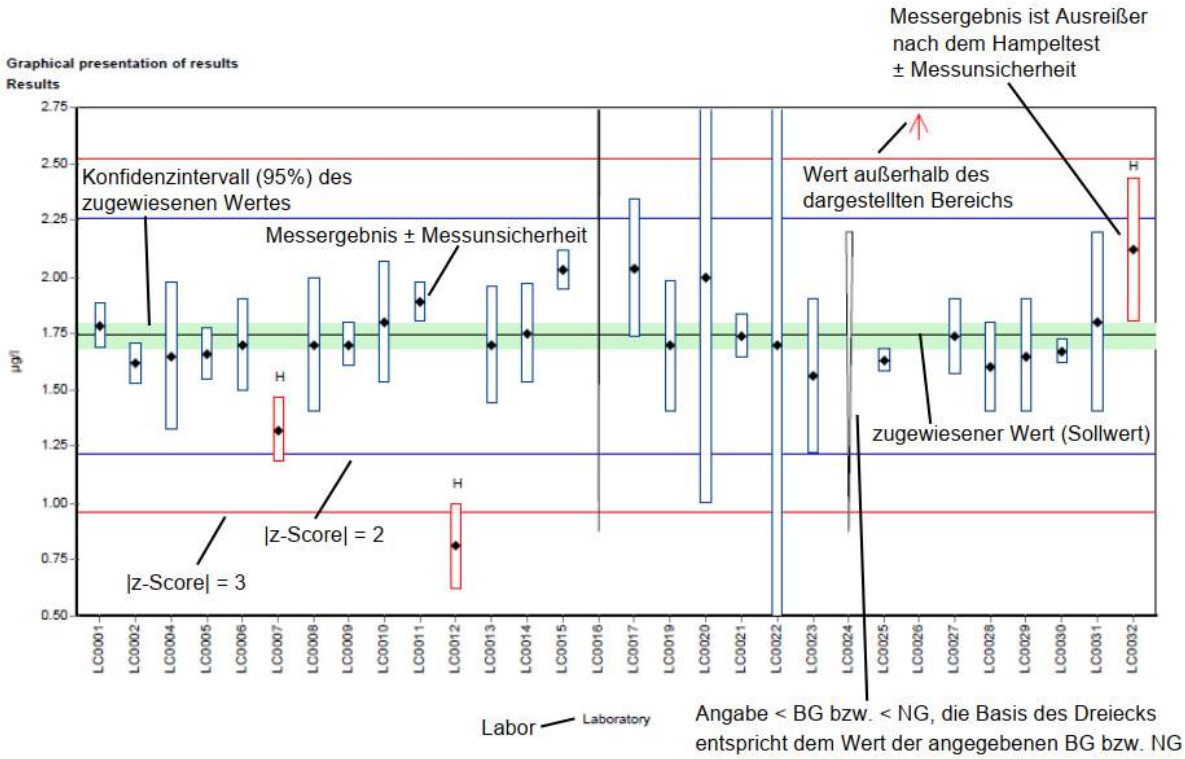
vR	relative Vergleichsstandardabweichung in %, berechnet aus den ausreißerbereinigten Ergebnissen der Teilnehmenden des aktuellen Ringversuchs bezogen auf den Mittelwert (angegeben auf 2 signifikante Stellen)
Kontrollwert ± U (k=2)	Mittelwert der Kontrollmessungen des Veranstalters ± erweiterte Ergebnisunsicherheit des Kontrollwertes (jeweils angegeben auf 3 signifikante Stellen)
Laborcode	anonymisierte, eindeutige Kennung des teilnehmenden Labors im jeweiligen Ringversuch
Messwert	einzelne(r) Messwert(e) lt. Angabe der Teilnehmenden (maximal 5 Nachkommastellen dargestellt)
Messergebnis	Für die Bewertung herangezogenes Ergebnis lt. Angabe der Teilnehmenden (maximal 5 Nachkommastellen dargestellt). Bei Eignungsprüfungsrunden mit Vorgabe von unabhängigen Mehrfachbestimmungen, entspricht dies dem berechneten Mittelwert aus den einzelnen Messwerten der Teilnehmenden.
± U	kombinierte Messunsicherheit ohne Erweiterungsfaktor (k=1) lt. Angabe der Teilnehmenden (maximal 5 Nachkommastellen dargestellt)
BG	Bestimmungsgrenze
NG	Nachweisgrenze
WF	Wiederfindungsrate in %, bezogen auf den zugewiesenen Wert (angegeben auf 3 signifikante Stellen, dargestellt maximal 1 Nachkommastelle)
MW	Mittelwert
z-Score	Abweichung des Messergebnisses zum zugewiesenen Wert, ausgedrückt als Vielfaches des Kriteriums (angegeben auf 3 signifikante Stellen, dargestellt maximal 2 Nachkommastellen)
E_n-Score	Abweichung des Messergebnisses zum zugewiesenen Wert, ausgedrückt als Vielfaches der kombinierten Messunsicherheiten, bestehend aus erweiterter Unsicherheit des zugewiesenen Wertes und der erweiterten Unsicherheit der Messergebnisse der Teilnehmenden (angegeben auf 3 signifikante Stellen, dargestellt maximal 2 Nachkommastellen). Beim E_n-Score erfolgt die Berücksichtigung der Messunsicherheit der Teilnehmenden.
-	Keine Daten übermittelt bzw. keine Berechnung möglich
Anmerkungen	Anmerkungen zum jeweiligen Messergebnis (z.B. H, FN, FP)

H	Ausreißer nach dem Hampel-Test
FN	Falsch negativ – Messergebnis kleiner Bestimmungs- bzw. Nachweisgrenze dessen Betrag die Bedingungen eines Ausreißers nach dem Hampeltest erfüllt.
FP	Falsch positiv – Falls aufgrund des geringen Analytgehalts kein zugewiesener Wert ermittelt werden kann (n < 6), wird der Median der Beträge der übermittelten Nachweis- bzw. Bestimmungsgrenzen ermittelt. Als falsch positiv wird ein Messergebnis bewertet, welches diesen Median um mehr als 100 % übersteigt.
Standardabweichung	Vergleichsstandardabweichung berechnet aus den Ergebnissen der Teilnehmenden des aktuellen Ringversuchs (angegeben auf 3 signifikante Stellen)
rel. Standardabweichung	relative Vergleichsstandardabweichung in %, berechnet aus den Ergebnissen der Teilnehmenden des aktuellen Ringversuchs bezogen auf den Mittelwert (angegeben auf 3 signifikante Stellen)
n	Anzahl der Messergebnisse
*	Kennzeichnung für informative Werte, ermittelt über alle verfügbaren validen Messergebnissen der teilnehmenden Labore
**	Kennzeichnung für informative Werte, ermittelt über die Messergebnisse des Kontrolllabores
***	Kennzeichnung für informative Werte, welche auf Basis der verfügbaren Messergebnisse der akkreditierten teilnehmenden Labore berechnet wurden

D5.2. Graphische Darstellung der Ergebnisse

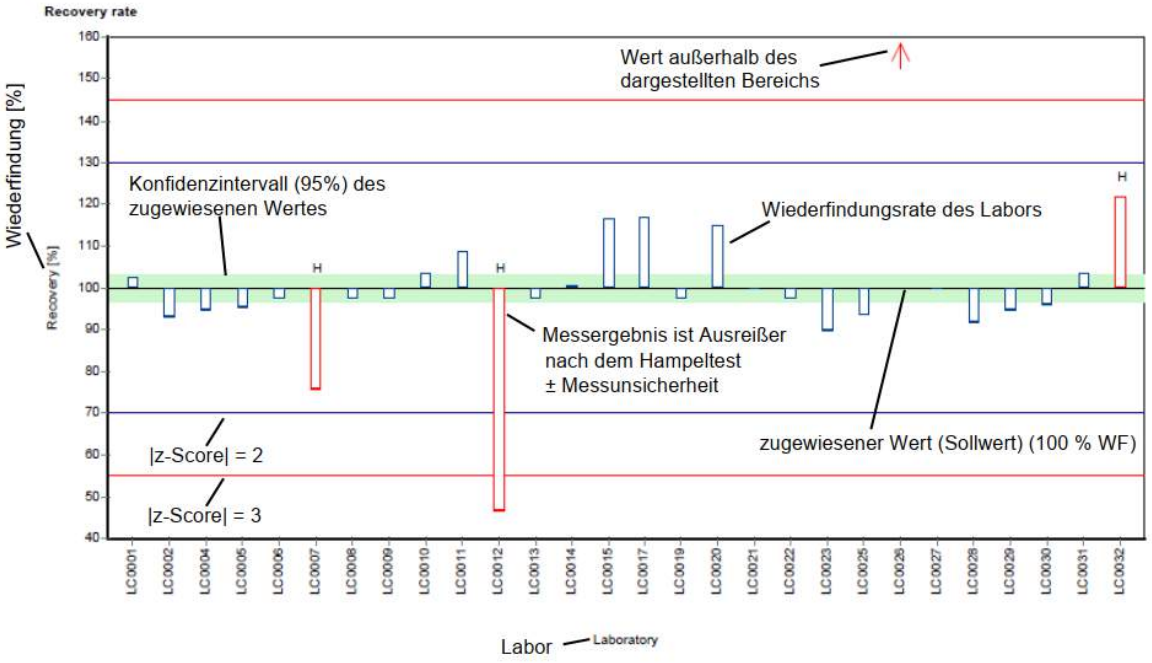
Nachfolgend wird die graphische Darstellung anhand von kommentierten Beispieldiagrammen erläutert.

Beispieldiagramm: Messwerte



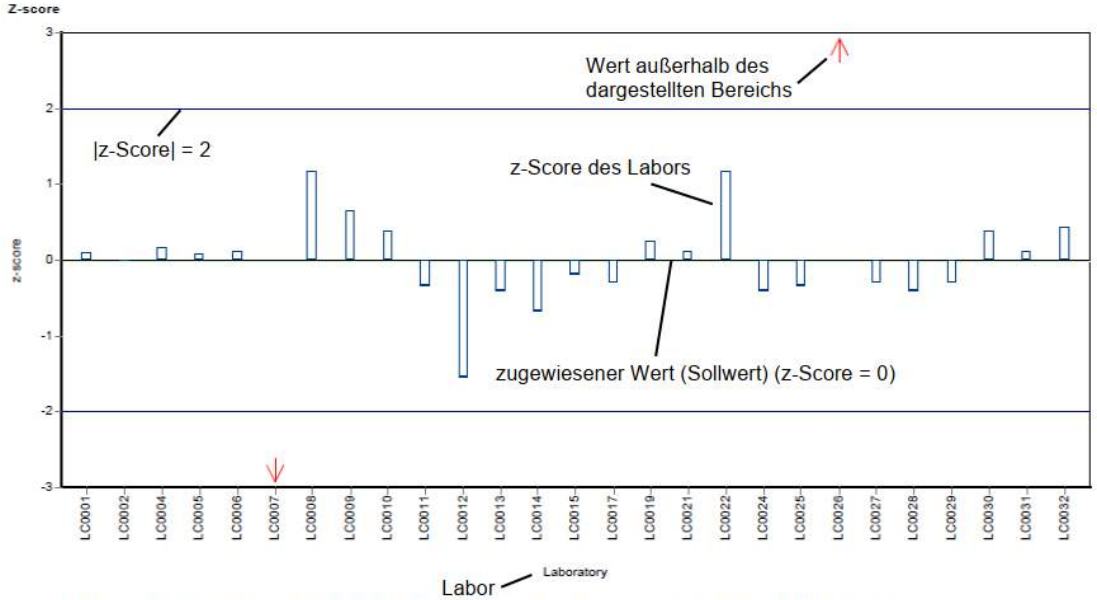
Unterschiedliche Analysenmethoden werden mit unterschiedlichen Farben kenntlich gemacht.

Beispieldiagramm: Wiederfindung zum zugewiesenen Wert



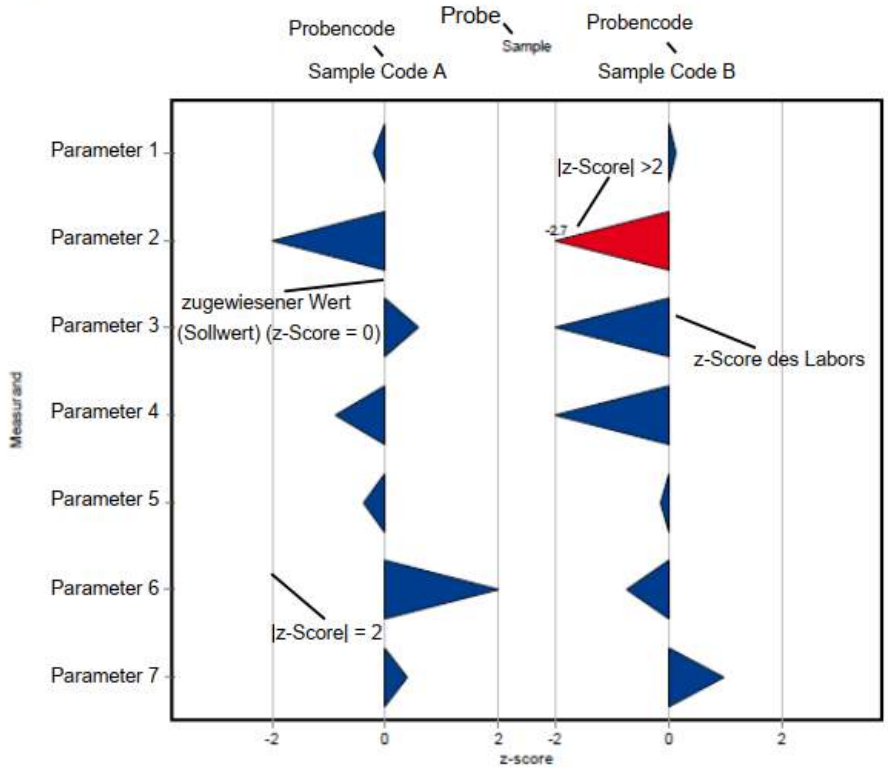
Unterschiedliche Analysenmethoden werden mit unterschiedlichen Farben kenntlich gemacht.

Beispieldiagramm: z-Score

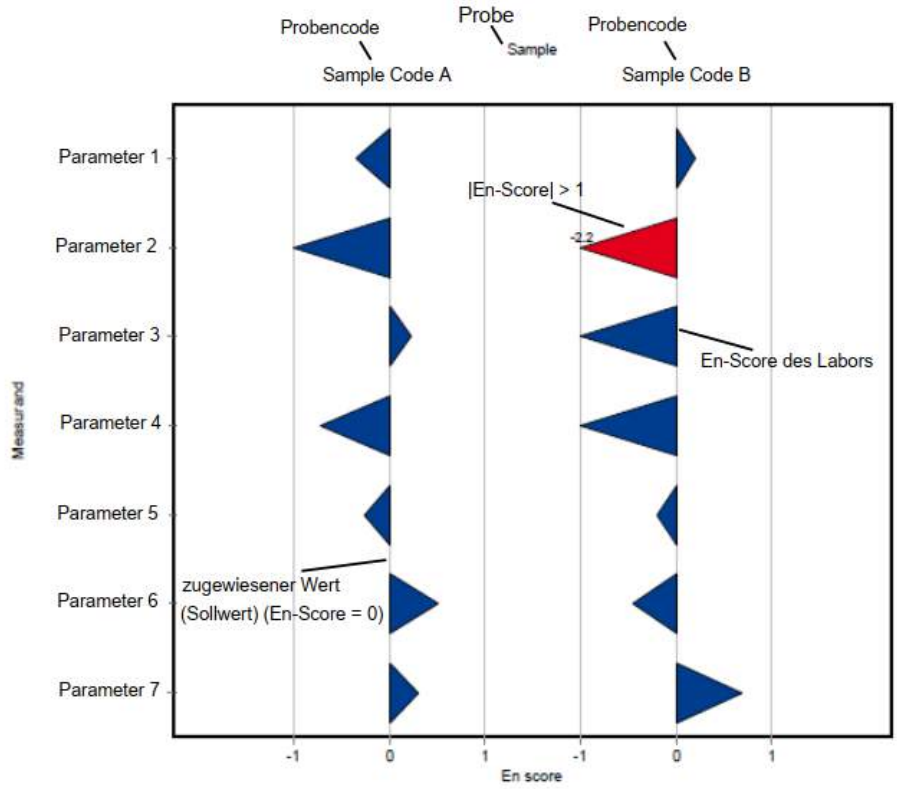


Unterschiedliche Analysenmethoden werden mit unterschiedlichen Farben kenntlich gemacht.

Beispieldiagramm: z-Score (laborientierte Auswertung)



Beispieldiagramm: En-Score (laborientierte Auswertung)



D6. Zusammenfassung

D6.1. Tabelle der zugewiesenen Werte

Parameter	Probe	Einheit	zugewiesener Wert	±	U (k=2)	Kriterium	Kriterium [%]
Acetamiprid	H117 A*	µg/l	-	±	-	-	-
	H117 B*	µg/l	-	±	-	-	-
Aldrin	H117 A	µg/l	0.0840	±	0.0243	0.0252	30
	H117 B	µg/l	0.251	±	0.0451	0.0754	30
Atrazin	H117 A	µg/l	0.242	±	0.0115	0.0266	11
	H117 B	µg/l	1.00	±	0.0233	0.110	11
Atrazin-Desethyl	H117 A	µg/l	0.563	±	0.0319	0.0675	12
	H117 B	µg/l	1.64	±	0.102	0.197	12
Atrazin-Desisopropyl	H117 A	µg/l	0.279	±	0.00831	0.0390	14
	H117 B	µg/l	1.31	±	0.0528	0.183	14
Bromacil	H117 A	µg/l	0.419	±	0.0105	0.0586	14
	H117 B	µg/l	1.19	±	0.126	0.166	14
Clothianidin	H117 A	µg/l	0.195	±	0.00864	0.0215	11
	H117 B	µg/l	2.03	±	0.138	0.223	11
Cyanazin	H117 A***	µg/l	-	±	-	-	-
	H117 B***	µg/l	-	±	-	-	-
Dieldrin	H117 A*	µg/l	-	±	-	-	-
	H117 B*	µg/l	-	±	-	-	-
Dinotefuran	H117 A*	µg/l	-	±	-	-	-
	H117 B*	µg/l	-	±	-	-	-
Endrin	H117 A*	µg/l	-	±	-	-	-
	H117 B*	µg/l	-	±	-	-	-
Heptachlor	H117 A*	µg/l	-	±	-	-	-
	H117 B*	µg/l	-	±	-	-	-
Imidacloprid	H117 A	µg/l	0.212	±	0.00461	0.0319	15
	H117 B	µg/l	1.06	±	0.0680	0.159	15
Lindan (Gamma-HCH)	H117 A*	µg/l	-	±	-	-	-
	H117 B*	µg/l	-	±	-	-	-
Nitenpyram	H117 A**	µg/l	-	±	-	-	-
	H117 B**	µg/l	-	±	-	-	-
Prometryn	H117 A	µg/l	0.419	±	0.0219	0.0545	13
	H117 B	µg/l	1.56	±	0.108	0.202	13
Propazin	H117 A	µg/l	0.218	±	0.00746	0.0284	13
	H117 B	µg/l	0.833	±	0.0470	0.108	13
Summe Chlordan	H117 A**	µg/l	-	±	-	-	-
	H117 B**	µg/l	-	±	-	-	-
Summe DDD	H117 A**	µg/l	-	±	-	-	-
	H117 B*	µg/l	-	±	-	-	-
Summe DDE	H117 A**	µg/l	-	±	-	-	-

Parameter	Probe	Einheit	zugewiesener Wert	±	U (k=2)	Kriterium	Kriterium [%]
Summe DDE	H117 B**	µg/l	-	±	-	-	-
Summe DDT	H117 A**	µg/l	-	±	-	-	-
	H117 B*	µg/l	-	±	-	-	-
Summe Endosulfan	H117 A*	µg/l	-	±	-	-	-
	H117 B*	µg/l	-	±	-	-	-
Thiacloprid	H117 A	µg/l	0.360	±	0.0247	0.0505	14
	H117 B	µg/l	1.13	±	0.106	0.158	14
Thiamethoxam	H117 A	µg/l	0.249	±	0.0129	0.0424	17
	H117 B	µg/l	1.40	±	0.0245	0.239	17

* Für nachfolgende Substanzen sind zur Information die berechneten Mittelwerte MW +/- U(k=2) über alle verfügbaren Daten der Labore (n) angeführt.

Diese können zum Vergleich im Rahmen Ihrer QS-Maßnahmen herangezogen werden.

H117 A Acetamiprid: MW (n=5) +/- U(k=2): 0.295 +/- 0.0111 µg/l
H117 B Acetamiprid: MW (n=4) +/- U(k=2): 0.994 +/- 0.0520 µg/l

H117 A Dieldrin: MW (n=5) +/- U(k=2): 0.207 +/- 0.0122 µg/l
H117 B Dieldrin: MW (n=6) +/- U(k=2): 0.444 +/- 0.0424 µg/l

H117 A Dinotefuran: MW (n=2) +/- U(k=2): 0.329 +/- 0.077 µg/l
H117 B Dinotefuran: MW (n=2) +/- U(k=2): 2.27 +/- 0.330 µg/l
H117 A Endrin: MW (n=4) +/- U(k=2): 0.296 +/- 0.189 µg/l
H117 B Endrin: MW (n=4) +/- U(k=2): 0.627 +/- 0.273 µg/l
H117 A Heptachlor: MW (n=4) +/- U(k=2): 0.179 +/- 0.0262 µg/l
H117 B Heptachlor: MW (n=4) +/- U(k=2): 0.595 +/- 0.157 µg/l

H117 A Lindan (Gamma-HCH): MW (n=5) +/- U(k=2): 0.152 +/- 0.0559 µg/l
H117 B Lindan (Gamma-HCH): MW (n=4) +/- U(k=2): 0.451 +/- 0.0410 µg/l

H117 B Summe DDD: MW (n=4) +/- U(k=2): 0.532+/- 0.143 µg/l

H117 B Summe DDT: MW (n=4) +/- U(k=2): 0.464 +/- 0.204 µg/l

H117 A Summe Endosulfan: MW (n=3) +/- U(k=2): 0.309+/- 0.0188 µg/l
H117 B Summe Endosulfan: MW (n=4) +/- U(k=2): 0.492 +/- 0.0446 µg/l

** Für nachfolgende Substanzen sind zur Information die berechneten Mittelwerte des Kontrolllabors KL-MW +/- U(k=2) angeführt.

Diese können zum Vergleich im Rahmen Ihrer QS-Maßnahmen herangezogen werden.

H117 A Nitenpyram: KL-MW (n=5) +/- U(k=2): 0.218 +/- 0.0327 µg/l
H117 B Nitenpyram: KL-MW (n=5) +/- U(k=2): 1.08 +/- 0.161 µg/l
H117 A Summe Chlordan: KL-MW (n=5) +/- U(k=2): 0.508 +/- 0.178 µg/l
H117 B Summe Chlordan: KL-MW (n=5) +/- U(k=2): 0.489 +/- 0.171 µg/l
H117 A Summe DDD: KL-MW (n=5) +/- U(k=2): 0.501 +/- 0.150 µg/l
H117 A Summe DDE: KL-MW (n=5) +/- U(k=2): 0.715 +/- 0.214 µg/l
H117 B Summe DDE: KL-MW (n=5) +/- U(k=2): 0.855 +/- 0.256 µg/l
H117 A Summe DDT: KL-MW (n=5) +/- U(k=2): 0.438 +/- 0.175 µg/l

*** Für nachfolgende Substanzen sind zur Information die berechneten Mittelwerte MW +/- U(k=2) über die Daten der akkreditierten Labore (n) angeführt.

Diese können zum Vergleich im Rahmen Ihrer QS-Maßnahmen herangezogen werden.

H117 A Cyanazin: MW (n=4, akkr.) +/- U(k=2): 0.248 +/- 0.0105 µg/l
H117 B Cyanazin: MW (n=4, akkr.) +/- U(k=2): 2.03 +/- 0.044 µg/l

D6.2. Zusammenfassung der ausreißerbereinigten Ringversuchsergebnisse

Parameter	Probe	Anzahl Labors für Berechnung	Anzahl Ausreißer Labors	Einheit	Mittelwert	±	VB (99%)	Minimum	Maximum	sR	vR [%]
Acetamiprid	H117 A	5	1	µg/l	-	±	-	0.273	0.303	-	-
	H117 B	4	1	µg/l	-	±	-	0.921	1.04	-	-
Aldrin	H117 A	6	0	µg/l	0.084	±	0.0365	0.034	0.123	0.0298	35
	H117 B	6	1	µg/l	0.251	±	0.0677	0.177	0.329	0.0553	22
Atrazin	H117 A	12	2	µg/l	0.242	±	0.0172	0.208	0.284	0.0199	8.2
	H117 B	9	4	µg/l	1	±	0.035	0.973	1.08	0.035	3.5
Atrazin-Desethyl	H117 A	10	2	µg/l	0.563	±	0.0479	0.454	0.631	0.0505	9
	H117 B	10	2	µg/l	1.64	±	0.153	1.33	1.86	0.161	9.8
Atrazin-Desisopropyl	H117 A	8	3	µg/l	0.279	±	0.0125	0.258	0.291	0.0117	4.2
	H117 B	9	2	µg/l	1.31	±	0.0792	1.13	1.4	0.0792	6.1
Bromacil	H117 A	6	3	µg/l	0.419	±	0.0158	0.394	0.431	0.0129	3.1
	H117 B	8	0	µg/l	1.19	±	0.189	1	1.42	0.178	15
Clothianidin	H117 A	10	1	µg/l	0.195	±	0.013	0.174	0.223	0.0137	7
	H117 B	10	0	µg/l	2.03	±	0.207	1.68	2.28	0.218	11
Cyanazin	H117 A	4	1	µg/l	-	±	-	0.237	0.262	-	-
	H117 B	4	1	µg/l	-	±	-	1.99	2.09	-	-
Dieldrin	H117 A	5	2	µg/l	-	±	-	0.184	0.218	-	-
	H117 B	6	1	µg/l	0.444	±	0.0636	0.393	0.531	0.0519	12
Dinotefuran	H117 A	2	0	µg/l	-	±	-	0.29	0.367	-	-
	H117 B	2	0	µg/l	-	±	-	2.1	2.43	-	-
Endrin	H117 A	4	0	µg/l	-	±	-	0.108	0.557	-	-
	H117 B	4	0	µg/l	-	±	-	0.266	0.859	-	-
Heptachlor	H117 A	4	2	µg/l	-	±	-	0.157	0.216	-	-
	H117 B	4	2	µg/l	-	±	-	0.395	0.726	-	-
Imidacloprid	H117 A	9	3	µg/l	0.212	±	0.00691	0.202	0.223	0.00691	3.3
	H117 B	10	1	µg/l	1.06	±	0.102	0.844	1.23	0.107	10
Lindan (Gamma-HCH)	H117 A	5	0	µg/l	-	±	-	0.072	0.215	-	-

Parameter	Probe	Anzahl Labors für Berechnung	Anzahl Ausreißer Labors	Einheit	Mittelwert	±	VB (99%)	Minimum	Maximum	sR	vR [%]
Lindan (Gamma-HCH)	H117 B	4	1	µg/l	-	±	-	0.395	0.493	-	-
Nitenpyram	H117 A	1	0	µg/l	-	±	-	0.228	0.228	-	-
	H117 B	1	0	µg/l	-	±	-	1.25	1.25	-	-
Prometryn	H117 A	7	1	µg/l	0.419	±	0.0329	0.368	0.453	0.029	6.9
	H117 B	7	1	µg/l	1.56	±	0.163	1.32	1.7	0.143	9.2
Propazin	H117 A	7	2	µg/l	0.218	±	0.0112	0.199	0.23	0.00987	4.5
	H117 B	8	1	µg/l	0.833	±	0.0705	0.704	0.927	0.0665	8
Summe Chlordan	H117 A	0	0	µg/l	-	±	-	-	-	-	-
	H117 B	0	0	µg/l	-	±	-	-	-	-	-
Summe DDD	H117 A	4	0	µg/l	-	±	-	0.152	0.254	-	-
	H117 B	4	0	µg/l	-	±	-	0.442	0.743	-	-
Summe DDE	H117 A	4	0	µg/l	-	±	-	0.0752	0.275	-	-
	H117 B	4	0	µg/l	-	±	-	0.218	0.515	-	-
Summe DDT	H117 A	4	0	µg/l	-	±	-	0.137	0.353	-	-
	H117 B	4	0	µg/l	-	±	-	0.263	0.731	-	-
Summe Endosulfan	H117 A	3	1	µg/l	-	±	-	0.291	0.322	-	-
	H117 B	4	0	µg/l	-	±	-	0.436	0.537	-	-
Thiacloprid	H117 A	10	1	µg/l	0.36	±	0.0371	0.286	0.41	0.0391	11
	H117 B	9	1	µg/l	1.13	±	0.159	0.863	1.3	0.159	14
Thiamethoxam	H117 A	10	1	µg/l	0.249	±	0.0193	0.207	0.281	0.0203	8.2
	H117 B	8	2	µg/l	1.4	±	0.0367	1.37	1.47	0.0346	2.5

E1. Description of the proficiency test

E1.1. Design and implementation

- Number of registrations: 17
- Number of submitted data records: 17
- Dispatch of samples: October 10th, 2023
- Closing date for submission of data: November 14th, 2023

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 each on October 6th, 2023.

The following samples were made available

- 1 sample ground water (H117 A)
- 1 sample surface water (H117 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 October 10th, 2023.

All participating laboratories received (depending on the order):

- 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.

E1.3. Instructions for the participants

For reasons of stability, it was recommended to start the analysis by the 18th of October, 2023 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 analysed in the testing laboratory at the Environment Agency Austria (Prüfstelle für Umwelt-, GVO- & Treibstoffanalytik; accredited acc. to EN ISO/IEC 17025 for the parameters listed) close to the time of sample dispatch.

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

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

E1.5. Trend test for stability evaluation

The evaluation of stability of the proficiency test items was performed using the data statistics of the results of previous proficiency testing rounds for real water samples of the period from 2013 to 2021.

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

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

According to data obtained from previous rounds and based on the trend test evaluation of the current round, the stability of the test items for proficiency testing of real water samples can be confirmed for the recommended analysis period until deadline for submission of data.

E1.6. Determination of the assigned values

The analytical results had to be made available to the organiser not later than 14th of November 2023. Any values received at a later date were not considered.

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

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

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

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

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

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

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

E2. Criteria of performance evaluation

E2.1. Performance criterion z-Score

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

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

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

In this context,

x_i	is the measurement value (result) of the participating laboratory;
$\overline{X}$	assigned value the target value for the assessment of the performance of the participants (3 significant digits), normally the average value of the participants' results after removal of outliers; if this approach is not applicable, the target value is assigned according to the procedure given in section E4
Criteria	is the reproducibility standard deviation calculated from previous rounds for proficiency testing for real water samples from 2013 to 2021 (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

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

U(x_i) expanded measurement uncertainty for the result of the participating laboratory, k=2

U($\bar{X}$) expanded measurement uncertainty for the assigned value, k=2

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

Interpretation of z-Scores:

- |z-Score| ≤ 2.0 good result
- 2.0 < |z-Score| < 3.0 questionable result
- |z-Score| ≥ 3.0 unsatisfactory result

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

Interpretation of E_n-Scores:

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

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

E3. Representation and interpretation of measurement results

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

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

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

An annotation of the tables and graphics is given in section E5.

E4. Explanatory notes

As explained in section E2, the z-Score can also be calculated using the reproducibility standard deviation, calculated from the participants' results (after removal of outliers) in the relevant test round. It might occur that the z-Score between -2 and 2 covers a large range of measurement values when the variance of the results is high. On the other hand, the range of good results can be very narrow, when the variation of the participants' results is small.
The recovery rate is calculated for the individual result based on the assigned value and is thus independent of the reproducibility standard deviation. In the case of a high variance of the results, participants should also consider recovery rates as additional criteria to decide on the necessity of internal quality assurance measures.
As a result of a long-term evaluation of 9 proficiency testing rounds (2013–2021 in real samples, evaluation criteria (RSDpool) were calculated.
These criteria were compared with the relative reproducibility standard deviation (vR) of the current proficiency testing.

Parameter Aldrin, Atrazine-desisopropyl, Atrazine-desethyl, Atrazine, Propazine, Prometryn, Clothiandin, Cyanazine, Thiacloprid, Imidacloprid, Bromacil, Thiamethoxam sample H117 A and parameter Atrazine-desisopropyl, Atrazine-desethyl, Atrazine, Propazine, Prometryn, Clothiandin, Cyanazine, Thiacloprid, Imidacloprid, Bromacil, Thiamethoxam sample H117 B: Scores for all listed parameters were calculated according to E2 (criterion RSDpooled).

Parameter Acetamiprid, Dieldrin, Dinotefurane, Endrin, Lindane, Nitenpyram, Sum Chlordane, Sum DDD, Sum DDE, Sum DDT, Sum Endosulfan sample H117 A and parameter Acetamiprid, Dinotefurane, Endrin, Lindane, Nitenpyram, Sum Chlordane, Sum DDD, Sum DDE, Sum DDT, Sum Endosulfan sample H117 B:
Assigned values could not be defined because of the small number of submitted results ($n < 6$) or due to the small number of valid results after outlier removal. For these parameters, we recommend a comparison with the informative values listed in E6.1.

Parameter Heptachlor for samples H117 A and H117 B:
The relative reproducibility standard deviation in the current proficiency testing was higher than 50 %. For this parameter, there were not enough results from accredited participating laboratories to define the assigned value ($n < 6$). For this parameter, we recommend a comparison with the informative values listed in E6.1.

Parameter Aldrin sample H117 B: The assigned value was calculated after outlier elimination of the measurement result of LC0010 (H95). RSDpooled was used as criterion.

Parameter Dieldrin sample H117 B: The assigned value calculated based on the participant results was outside the measurement uncertainty of the control value and thus traceability could not be proven by this procedure. There were not enough results from accredited participating laboratories to define the assigned value (n < 6). We recommend a comparison with the informative values listed in E6.1.

E5. Annotations on tables and charts

E5.1. Information and abbreviations in tables

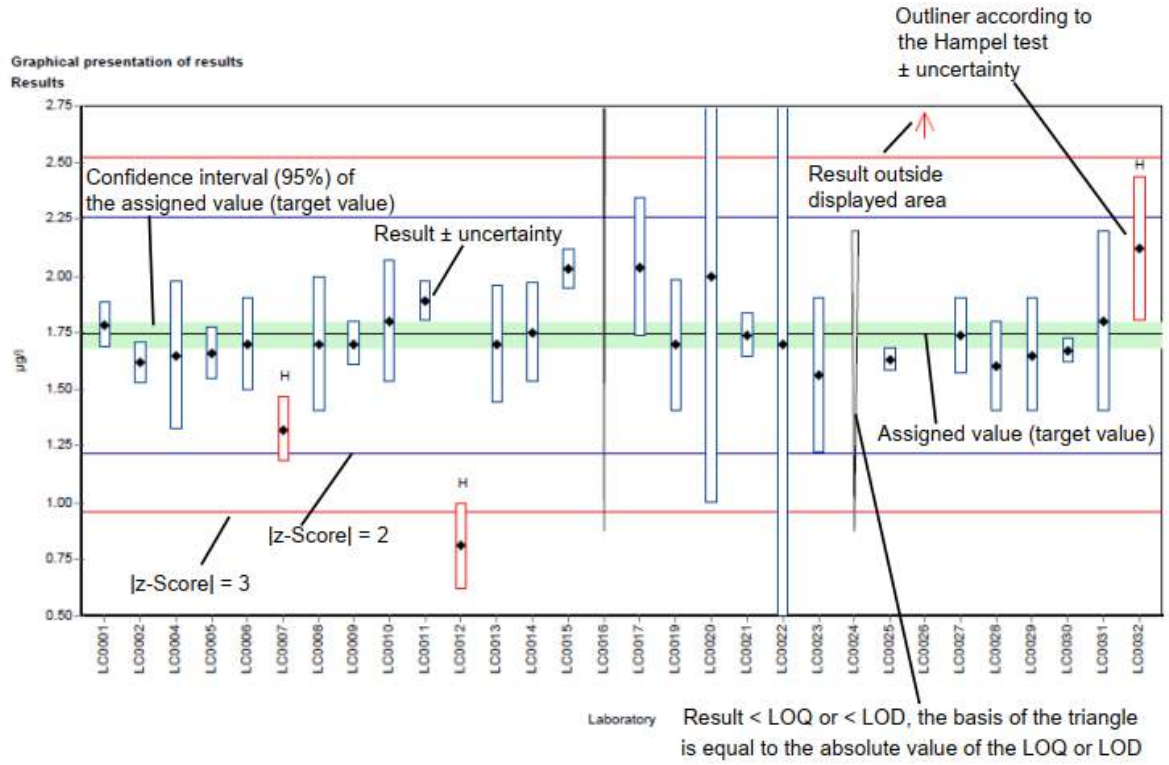
Parameter	Analyte identifier
Sample	Sample identifier
Unit	Given unit for result and uncertainty (e.g. µg/l)
Assigned value	Target value for proficiency assessment of the participants (3 significant digits)
U (k=2)	Expanded uncertainty (k=2) of the assigned value (3 significant digits)
Criteria	Specified value for the determination of the z-score in the given unit (3 significant digits)
Criteria [%]	Specified value for the determination of the z-score in % of the assigned value (2 significant digits)
Mean	Mean of the participants results, without outliers (3 significant digits)
CI (99 %)	99 % confidence interval (3 significant digits)
Minimum	Minimum of all submitted results, after removal of outliers (3 significant digits)
Maximum	Maximum of all submitted results, after removal of outliers (3 significant digits)
SD	Reproducibility standard deviation, calculated from the participants results, after removal of outliers (3 significant digits)
RSD %	Reproducibility standard deviation, calculated from the participants results relative to the target value, given in %, after removal of outliers (2 significant digits)
Control test value ± U (k=2)	Mean of control test value ± expanded measurement uncertainty (3 significant digits)
Labcode	Laboratory identifier (anonymized)
Result	Result as indicated by participant (max. 5 decimal places)

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

E5.2. Graphical presentation of results

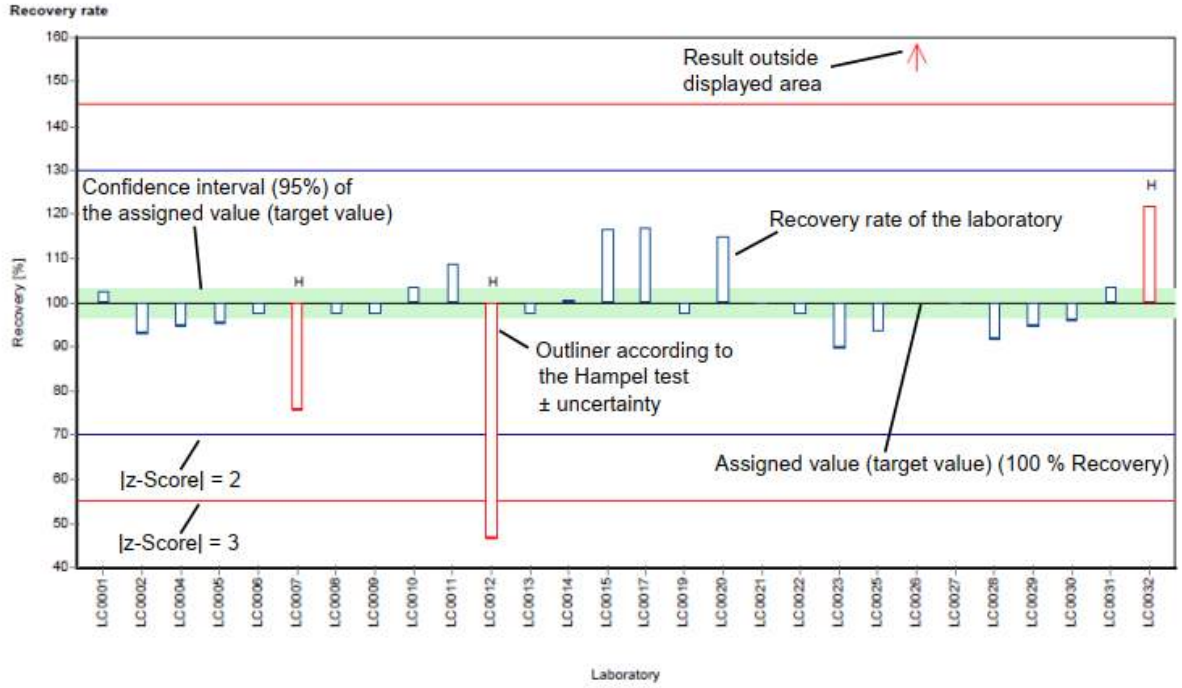
The graphic representation in the report is explained below by means of commented example diagrams:

Example chart: Results



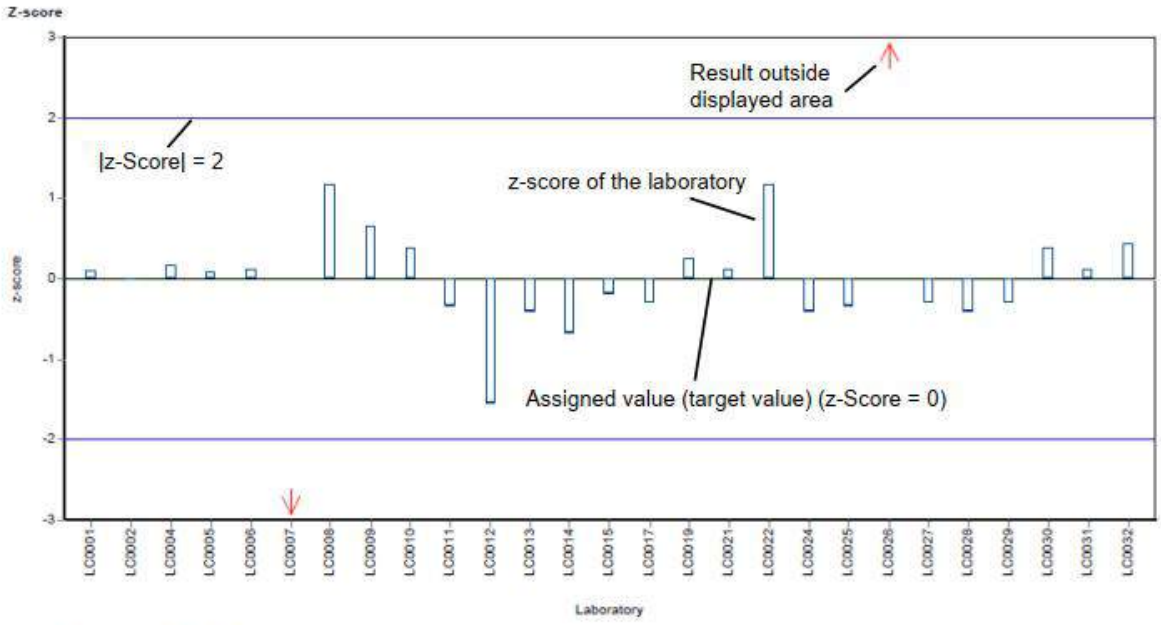
Different analysis methods are represented with different colors.

Example chart: Recovery



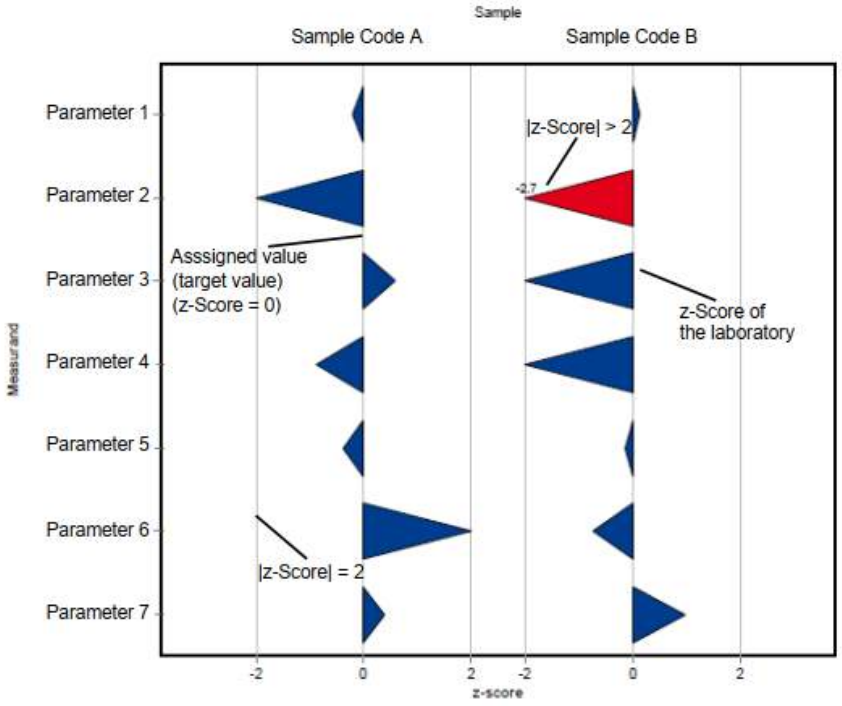
Different analysis methods are represented with different colors.

Example chart: z-Score

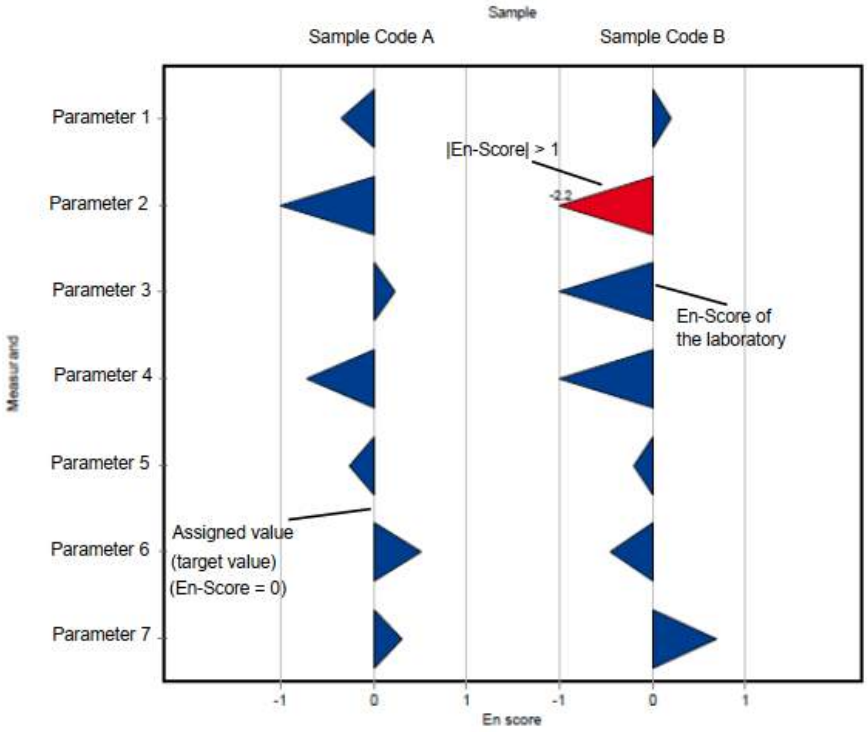


Different analysis methods are represented with different colors.

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 [%]
Acetamiprid	H117 A*	µg/l	-	±	-	-	-
	H117 B*	µg/l	-	±	-	-	-
Aldrin	H117 A	µg/l	0.0840	±	0.0243	0.0252	30
	H117 B	µg/l	0.251	±	0.0451	0.0754	30
Atrazine	H117 A	µg/l	0.242	±	0.0115	0.0266	11
	H117 B	µg/l	1.00	±	0.0233	0.110	11
Atrazine-desethyl	H117 A	µg/l	0.563	±	0.0319	0.0675	12
	H117 B	µg/l	1.64	±	0.102	0.197	12
Atrazine-desisopropyl	H117 A	µg/l	0.279	±	0.00831	0.0390	14
	H117 B	µg/l	1.31	±	0.0528	0.183	14
Bromacil	H117 A	µg/l	0.419	±	0.0105	0.0586	14
	H117 B	µg/l	1.19	±	0.126	0.166	14
Clothianidin	H117 A	µg/l	0.195	±	0.00864	0.0215	11
	H117 B	µg/l	2.03	±	0.138	0.223	11
Cyanazine	H117 A***	µg/l	-	±	-	-	-
	H117 B***	µg/l	-	±	-	-	-
Dieldrin	H117 A*	µg/l	-	±	-	-	-
	H117 B*	µg/l	-	±	-	-	-
Dinotefurane	H117 A*	µg/l	-	±	-	-	-
	H117 B*	µg/l	-	±	-	-	-
Endrin	H117 A*	µg/l	-	±	-	-	-
	H117 B*	µg/l	-	±	-	-	-
Heptachlor	H117 A*	µg/l	-	±	-	-	-
	H117 B*	µg/l	-	±	-	-	-
Imidacloprid	H117 A	µg/l	0.212	±	0.00461	0.0319	15
	H117 B	µg/l	1.06	±	0.0680	0.159	15
Lindane (Gamma-HCH)	H117 A*	µg/l	-	±	-	-	-
	H117 B*	µg/l	-	±	-	-	-
Nitenpyram	H117 A**	µg/l	-	±	-	-	-
	H117 B**	µg/l	-	±	-	-	-
Prometryn	H117 A	µg/l	0.419	±	0.0219	0.0545	13
	H117 B	µg/l	1.56	±	0.108	0.202	13
Propazine	H117 A	µg/l	0.218	±	0.00746	0.0284	13
	H117 B	µg/l	0.833	±	0.0470	0.108	13
Sum Chlordane	H117 A**	µg/l	-	±	-	-	-
	H117 B**	µg/l	-	±	-	-	-
Sum DDD	H117 A**	µg/l	-	±	-	-	-
	H117 B*	µg/l	-	±	-	-	-

Parameter	Sample	Unit	Assigned value	±	U (k=2)	Criterion	Criterion [%]
Sum DDE	H117 A **	µg/l	-	±	-	-	-
	H117 B **	µg/l	-	±	-	-	-
Sum DDT	H117 A **	µg/l	-	±	-	-	-
	H117 B *	µg/l	-	±	-	-	-
Sum Endosulfan	H117 A *	µg/l	-	±	-	-	-
	H117 B *	µg/l	-	±	-	-	-
Thiacloprid	H117 A	µg/l	0.360	±	0.0247	0.0505	14
	H117 B	µg/l	1.13	±	0.106	0.158	14
Thiamethoxam	H117 A	µg/l	0.249	±	0.0129	0.0424	17
	H117 B	µg/l	1.40	±	0.0245	0.239	17

* For the following substances, the calculated mean values MV +/- U(k=2) based on all available data of the laboratories (n) are listed for information.

These can be used for comparison as part of your internal QA measures:

H117 A Acetamiprid: MV (n=5) +/- U(k=2): 0.295 +/- 0.0111 µg/l
H117 B Acetamiprid: MV (n=4) +/- U(k=2): 0.994 +/- 0.0520 µg/l

H117 A Dieldrin: MV (n=5) +/- U(k=2): 0.207 +/- 0.0122 µg/l
H117 B Dieldrin: MV (n=6) +/- U(k=2): 0.444 +/- 0.0424 µg/l

H117 A Dinotefurane: MV (n=2) +/- U(k=2): 0.329 +/- 0.077 µg/l
H117 B Dinotefurane: MV (n=2) +/- U(k=2): 2.27 +/- 0.330 µg/l
H117 A Endrin: MV (n=4) +/- U(k=2): 0.296 +/- 0.189 µg/l
H117 B Endrin: MV (n=4) +/- U(k=2): 0.627 +/- 0.273 µg/l
H117 A Heptachlor: MV (n=4) +/- U(k=2): 0.179 +/- 0.0262 µg/l
H117 B Heptachlor: MV (n=4) +/- U(k=2): 0.595 +/- 0.157 µg/l

H117 A Lindane (Gamma-HCH): MV (n=5) +/- U(k=2): 0.152 +/- 0.0559 µg/l
H117 B Lindane (Gamma-HCH): MV (n=4) +/- U(k=2): 0.451 +/- 0.0410 µg/l

H117 B Sum DDD: MV (n=4) +/- U(k=2): 0.532+/- 0.143 µg/l
H117 B Sum DDT: MV (n=4) +/- U(k=2): 0.464 +/- 0.204 µg/l

H117 A Sum Endosulfan: MV (n=3) +/- U(k=2): 0.309+/- 0.0188 µg/l
H117 B Sum Endosulfan: MV (n=4) +/- U(k=2): 0.492 +/- 0.0446 µg/l

**For the following substances, the calculated mean values CL-MV +/- U(k=2) based on the control laboratory are listed for information.

These can be used for comparison as part of your internal QA measures:

H117 A Nitenpyram: CL-MV (n=5) +/- U(k=2): 0.218 +/- 0.0327 µg/l
H117 B Nitenpyram: CL-MV (n=5) +/- U(k=2): 1.08 +/- 0.161 µg/l
H117 A Sum Chlordane: CL-MV (n=5) +/- U(k=2): 0.508 +/- 0.178 µg/l
H117 B Sum Chlordane: CL-MV (n=5) +/- U(k=2): 0.489 +/- 0.171 µg/l
H117 A Sum DDD: CL-MV (n=5) +/- U(k=2): 0.501 +/- 0.150 µg/l
H117 A Sum DDE: CL-MV (n=5) +/- U(k=2): 0.715 +/- 0.214 µg/l
H117 B Sum DDE: CL-MV (n=5) +/- U(k=2): 0.855 +/- 0.256 µg/l
H117 A Sum DDT: CL-MV (n=5) +/- U(k=2): 0.438 +/- 0.175 µg/l

*** For the following substances, the calculated mean values MV +/- U(k=2) based on the data of the accredited laboratories (n) are listed for information.

These can be used for comparison as part of your internal QA measures:

H117 A Cyanazine: MV (n=4, accr.) +/- U(k=2): 0.248 +/- 0.0105 µg/l
H117 B Cyanazine: MV (n=4, accr.) +/- U(k=2): 2.03 +/- 0.044 µg/l

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

Parameter	Sample	Number of results for calculation	Number of outliers	Unit	Mean	± CI (99%)	Minimum	Maximum	sR	vR [%]
Acetamiprid	H117 A	5	1	µg/l	-	± -	0.273	0.303	-	-
	H117 B	4	1	µg/l	-	± -	0.921	1.04	-	-
Aldrin	H117 A	6	0	µg/l	0.084	± 0.0365	0.034	0.123	0.0298	35
	H117 B	6	1	µg/l	0.251	± 0.0677	0.177	0.329	0.0553	22
Atrazine	H117 A	12	2	µg/l	0.242	± 0.0172	0.208	0.284	0.0199	8.2
	H117 B	9	4	µg/l	1	± 0.035	0.973	1.08	0.035	3.5
Atrazine-desethyl	H117 A	10	2	µg/l	0.563	± 0.0479	0.454	0.631	0.0505	9
	H117 B	10	2	µg/l	1.64	± 0.153	1.33	1.86	0.161	9.8
Atrazine-desisopropyl	H117 A	8	3	µg/l	0.279	± 0.0125	0.258	0.291	0.0117	4.2
	H117 B	9	2	µg/l	1.31	± 0.0792	1.13	1.4	0.0792	6.1
Bromacil	H117 A	6	3	µg/l	0.419	± 0.0158	0.394	0.431	0.0129	3.1
	H117 B	8	0	µg/l	1.19	± 0.189	1	1.42	0.178	15
Clothianidin	H117 A	10	1	µg/l	0.195	± 0.013	0.174	0.223	0.0137	7
	H117 B	10	0	µg/l	2.03	± 0.207	1.68	2.28	0.218	11
Cyanazine	H117 A	4	1	µg/l	-	± -	0.237	0.262	-	-
	H117 B	4	1	µg/l	-	± -	1.99	2.09	-	-
Dieldrin	H117 A	5	2	µg/l	-	± -	0.184	0.218	-	-
	H117 B	6	1	µg/l	0.444	± 0.0636	0.393	0.531	0.0519	12
Dinotefurane	H117 A	2	0	µg/l	-	± -	0.29	0.367	-	-
	H117 B	2	0	µg/l	-	± -	2.1	2.43	-	-
Endrin	H117 A	4	0	µg/l	-	± -	0.108	0.557	-	-
	H117 B	4	0	µg/l	-	± -	0.266	0.859	-	-
Heptachlor	H117 A	4	2	µg/l	-	± -	0.157	0.216	-	-
	H117 B	4	2	µg/l	-	± -	0.395	0.726	-	-
Imidacloprid	H117 A	9	3	µg/l	0.212	± 0.00691	0.202	0.223	0.00691	3.3
	H117 B	10	1	µg/l	1.06	± 0.102	0.844	1.23	0.107	10
Lindane (Gamma-HCH)	H117 A	5	0	µg/l	-	± -	0.072	0.215	-	-
	H117 B	4	1	µg/l	-	± -	0.395	0.493	-	-
Nitenpyram	H117 A	1	0	µg/l	-	± -	0.228	0.228	-	-
	H117 B	1	0	µg/l	-	± -	1.25	1.25	-	-
Prometryn	H117 A	7	1	µg/l	0.419	± 0.0329	0.368	0.453	0.029	6.9

Parameter	Sample	Number of results for calculation	Number of outliers	Unit	Mean	± CI (99%)	Minimum	Maximum	sR	vR [%]
Prometryn	H117 B	7	1	µg/l	1.56	± 0.163	1.32	1.7	0.143	9.2
Propazine	H117 A	7	2	µg/l	0.218	± 0.0112	0.199	0.23	0.00987	4.5
	H117 B	8	1	µg/l	0.833	± 0.0705	0.704	0.927	0.0665	8
Sum Chlordane	H117 A	0	0	µg/l	-	± -	-	-	-	-
	H117 B	0	0	µg/l	-	± -	-	-	-	-
Sum DDD	H117 A	4	0	µg/l	-	± -	0.152	0.254	-	-
	H117 B	4	0	µg/l	-	± -	0.442	0.743	-	-
Sum DDE	H117 A	4	0	µg/l	-	± -	0.0752	0.275	-	-
	H117 B	4	0	µg/l	-	± -	0.218	0.515	-	-
Sum DDT	H117 A	4	0	µg/l	-	± -	0.137	0.353	-	-
	H117 B	4	0	µg/l	-	± -	0.263	0.731	-	-
Sum Endosulfan	H117 A	3	1	µg/l	-	± -	0.291	0.322	-	-
	H117 B	4	0	µg/l	-	± -	0.436	0.537	-	-
Thiacloprid	H117 A	10	1	µg/l	0.36	± 0.0371	0.286	0.41	0.0391	11
	H117 B	9	1	µg/l	1.13	± 0.159	0.863	1.3	0.159	14
Thiamethoxam	H117 A	10	1	µg/l	0.249	± 0.0193	0.207	0.281	0.0203	8.2
	H117 B	8	2	µg/l	1.4	± 0.0367	1.37	1.47	0.0346	2.5

E7. Parameterorientierte Auswertung / Parameter oriented report

Parameter oriented report

H117 A

Acetamiprid*

Unit	µg/l
Assigned value ± U (k=2)	-
Criterion	-
Minimum - Maximum	0.273 - 0.303
Control test value ± U (k=2)	0.287 ± 0.0431

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

This can be used for comparison as part of your internal QA measures: MV(n=5) +/- U(k=2): 0.295 +/- 0.0111 µg/l

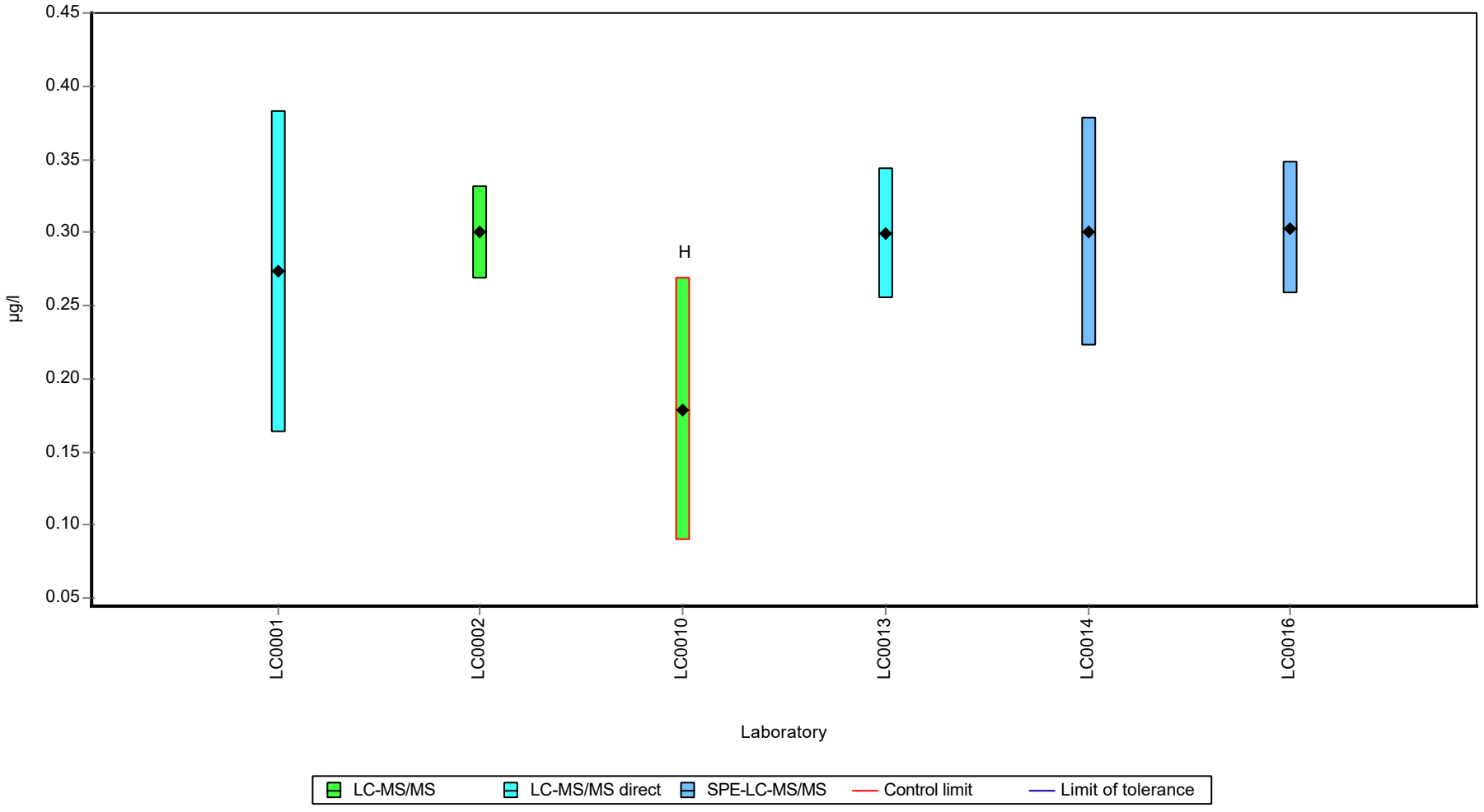
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.273	0.11	-	-	
LC0002	0.3	0.032	-	-	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	-	-	-	-	
LC0006	-	-	-	-	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	-	-	-	-	
LC0010	0.179	0.09	-	-	H
LC0011	-	-	-	-	
LC0012	-	-	-	-	
LC0013	0.299	0.045	-	-	
LC0014	0.3002	0.0781	-	-	
LC0015	-	-	-	-	
LC0016	0.303	0.045	-	-	
LC0017	-	-	-	-	

Characteristics of parameter

	all results	w ithout outliers	Unit
Mean ± Cl (99%)	0.276 ± 0.0596	-	µg/l
Minimum	0.179	0.273	µg/l
Maximum	0.303	0.303	µg/l
Standard deviation	0.0487	-	µg/l
rel. standard deviation	17.6	-	%
n	6	5	-

Graphical presentation of results

Results



Parameter oriented report

H117 B

Acetamiprid*

Unit	µg/l
Assigned value ± U (k=2)	-
Criterion	-
Minimum - Maximum	0.921 - 1.04
Control test value ± U (k=2)	0.956 ± 0.143

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

This can be used for comparison as part of your internal QA measures: MV(n=4) +/- U(k=2): 0.994 +/- 0.0520 µg/l

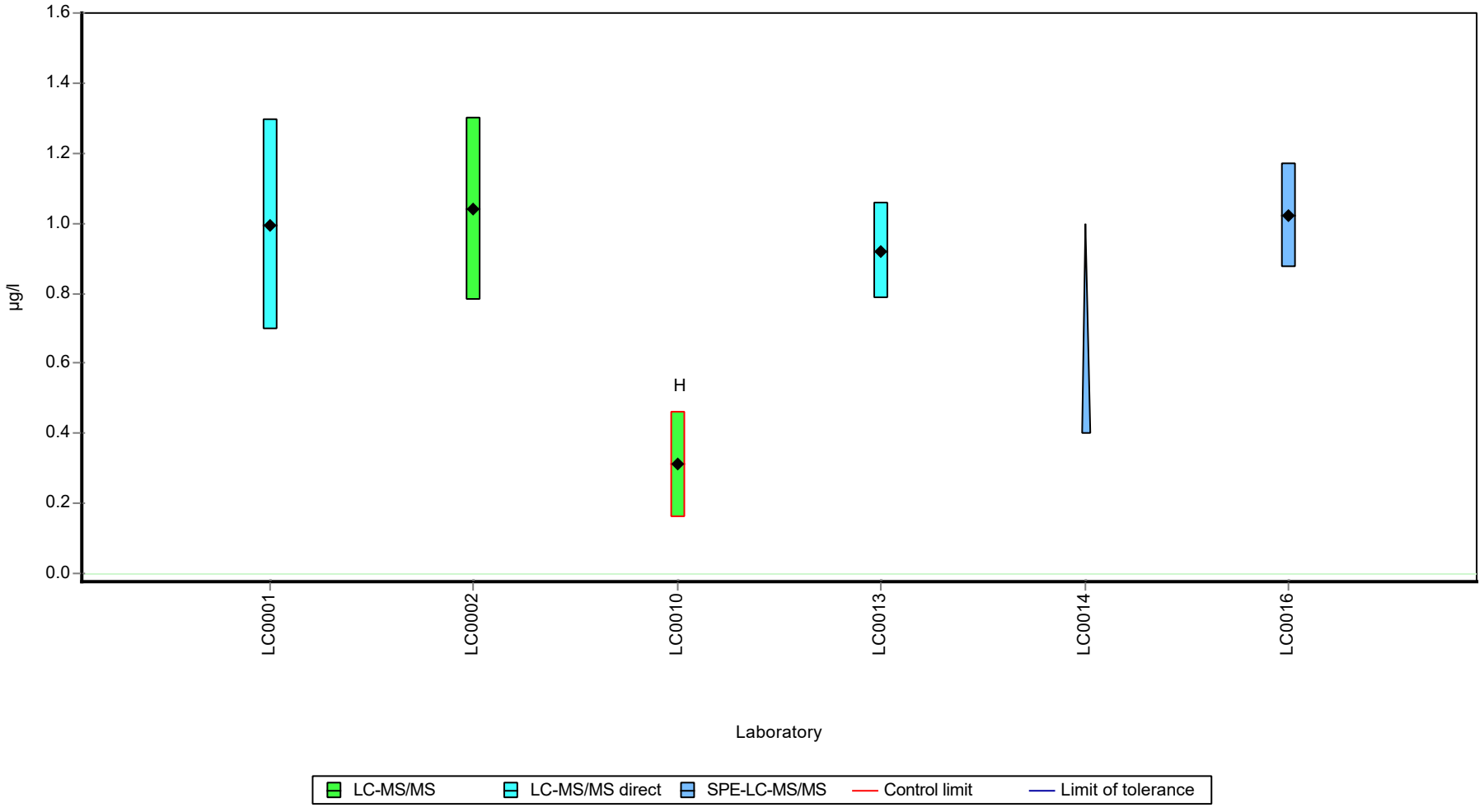
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.995	0.3	-	-	
LC0002	1.04	0.26	-	-	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	-	-	-	-	
LC0006	-	-	-	-	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	-	-	-	-	
LC0010	0.311	0.151	-	-	H
LC0011	-	-	-	-	
LC0012	-	-	-	-	
LC0013	0.921	0.138	-	-	
LC0014	>0.4	-	-	-	
LC0015	-	-	-	-	
LC0016	1.02	0.15	-	-	
LC0017	-	-	-	-	

Characteristics of parameter

	all results	w ithout outliers	Unit
Mean ± Cl (99%)	0.857 ± 0.414	-	µg/l
Minimum	0.311	0.921	µg/l
Maximum	1.04	1.04	µg/l
Standard deviation	0.309	-	µg/l
rel. standard deviation	36	-	%
n	5	4	-

Graphical presentation of results

Results



Parameter oriented report

H117 A

Aldrin

Unit	µg/l
Assigned value ± U (k=2)	0.084 ± 0.0243
Criterion	0.0252 (30 %)
Minimum - Maximum	0.034 - 0.123
Control test value ± U (k=2)	0.119 ± 0.0474

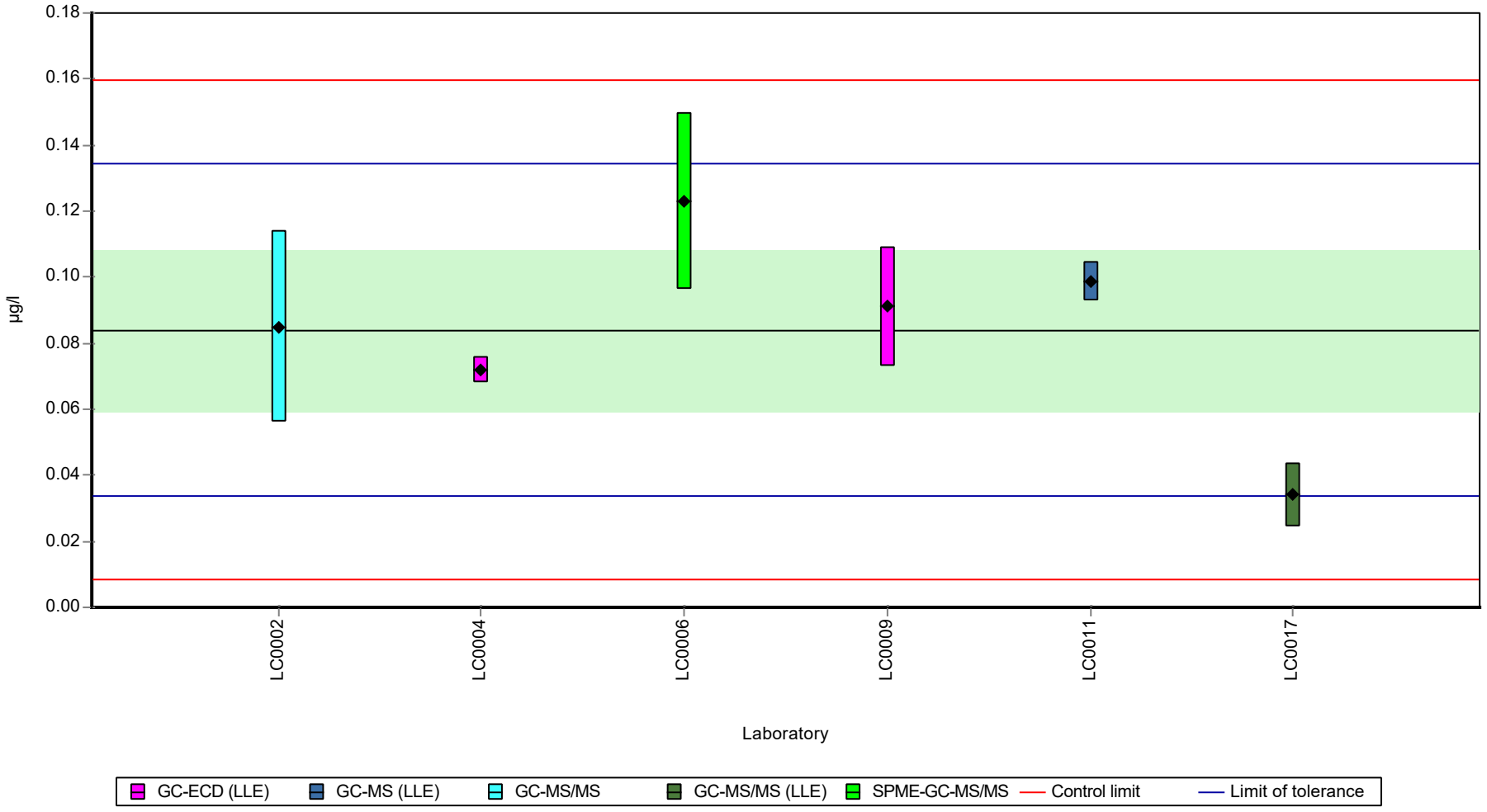
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	0.085	0.029	101	0.04	
LC0003	-	-	-	-	
LC0004	0.072	0.004	85.7	-0.48	
LC0005	-	-	-	-	
LC0006	0.123	0.027	146	1.55	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	0.091	0.018	108	0.28	
LC0010	-	-	-	-	
LC0011	0.0988	0.006	118	0.59	
LC0012	-	-	-	-	
LC0013	-	-	-	-	
LC0014	-	-	-	-	
LC0015	-	-	-	-	
LC0016	-	-	-	-	
LC0017	0.034	0.0095	40.5	-1.98	

Characteristics of parameter

	all results	w ithout outliers	Unit
Mean ± Cl (99%)	0.084 ± 0.0365	0.084 ± 0.0365	µg/l
Minimum	0.034	0.034	µg/l
Maximum	0.123	0.123	µg/l
Standard deviation	0.0298	0.0298	µg/l
rel. standard deviation	35.5	35.5	%
n	6	6	-

Graphical presentation of results

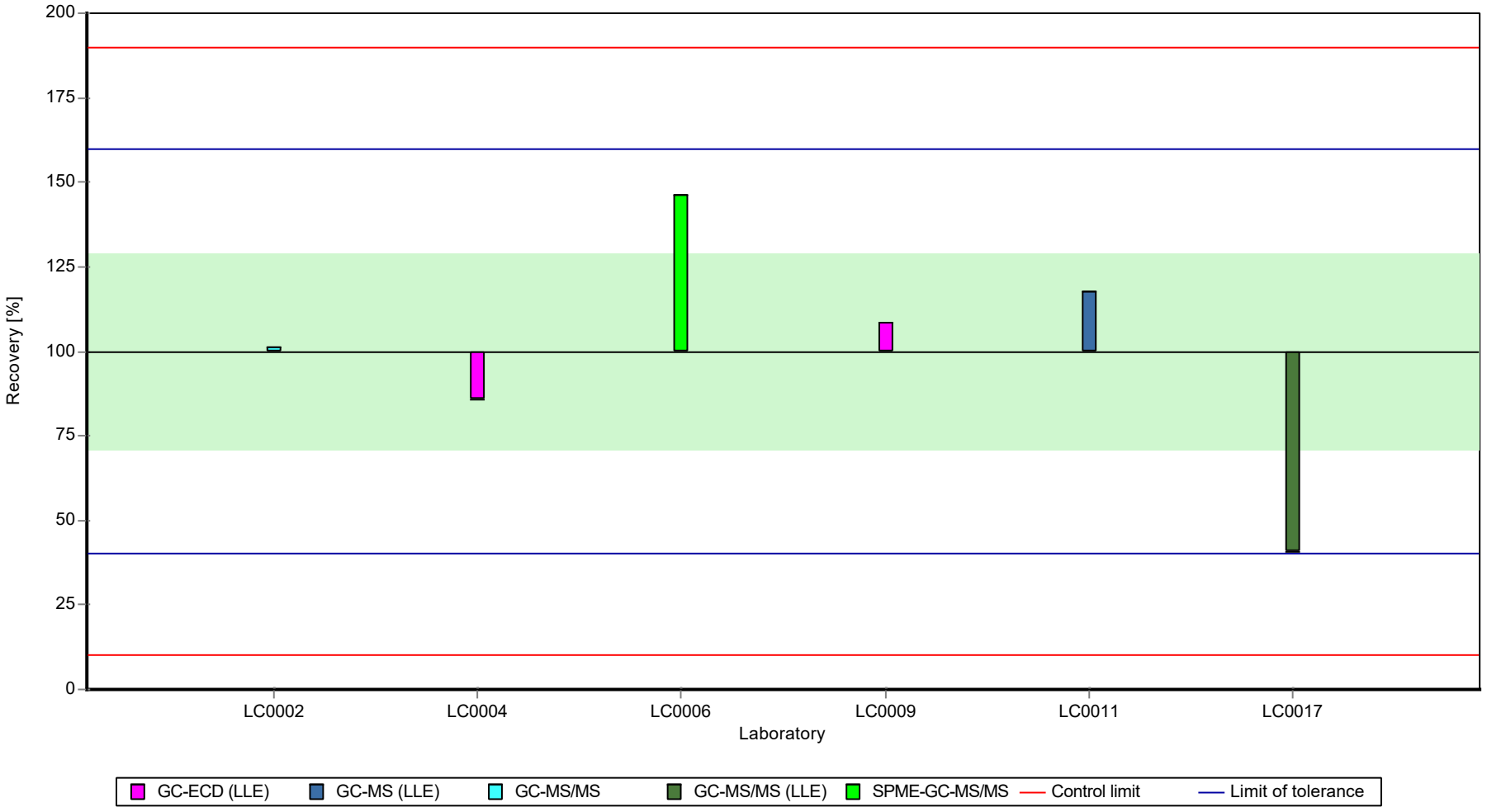
Results



Parameter oriented report Pesticides H117

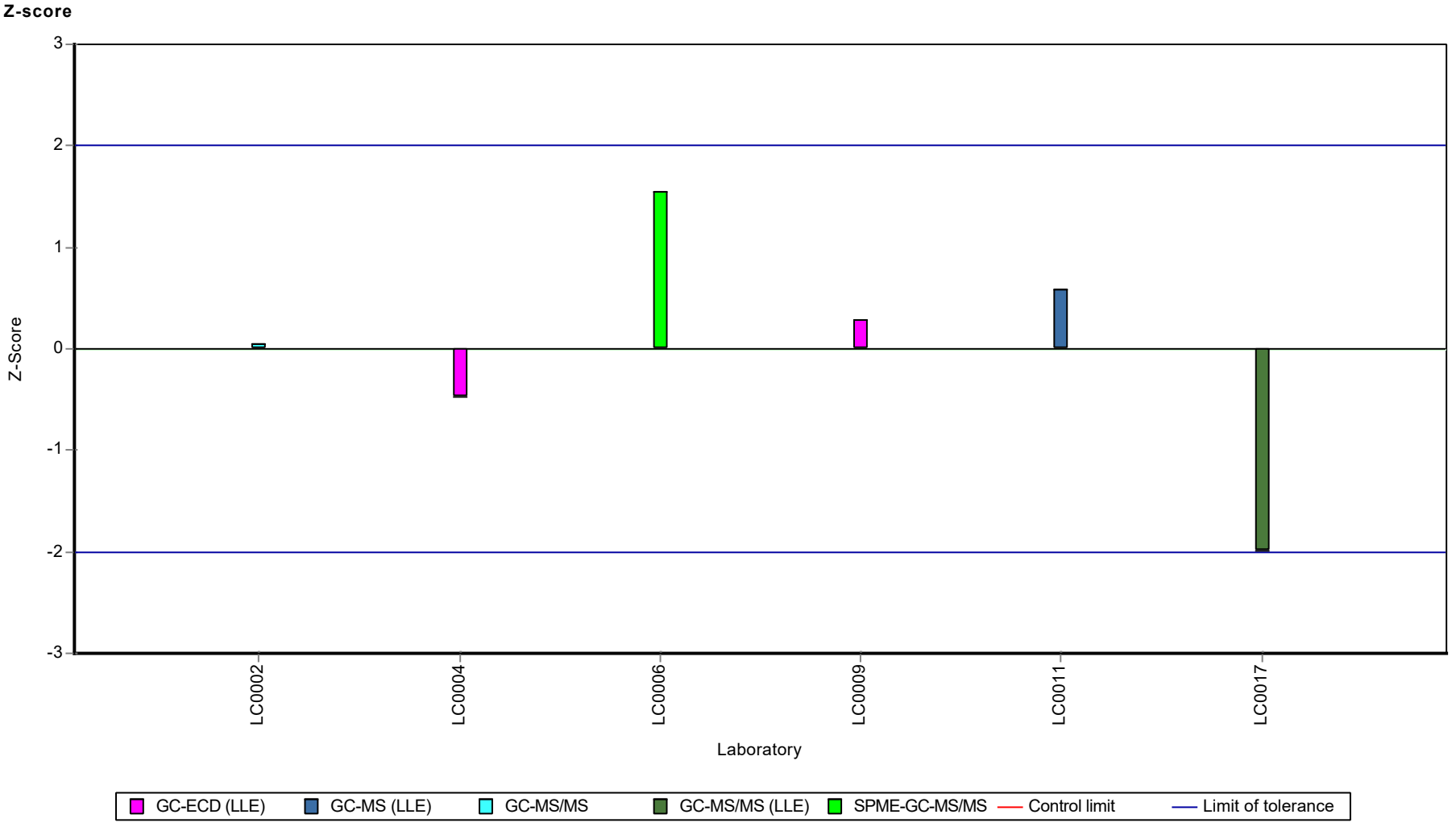
Sample: H117A, Parameter: Aldrin

Recovery rate



Parameter oriented report Pesticides H117

Sample: H117A, Parameter: Aldrin



Parameter oriented report

H117 B

Aldrin

Unit	µg/l
Assigned value ± U (k=2)	0.251 ± 0.0451
Criterion	0.0754 (30 %)
Minimum - Maximum	0.177 - 0.329
Control test value ± U (k=2)	0.333 ± 0.133

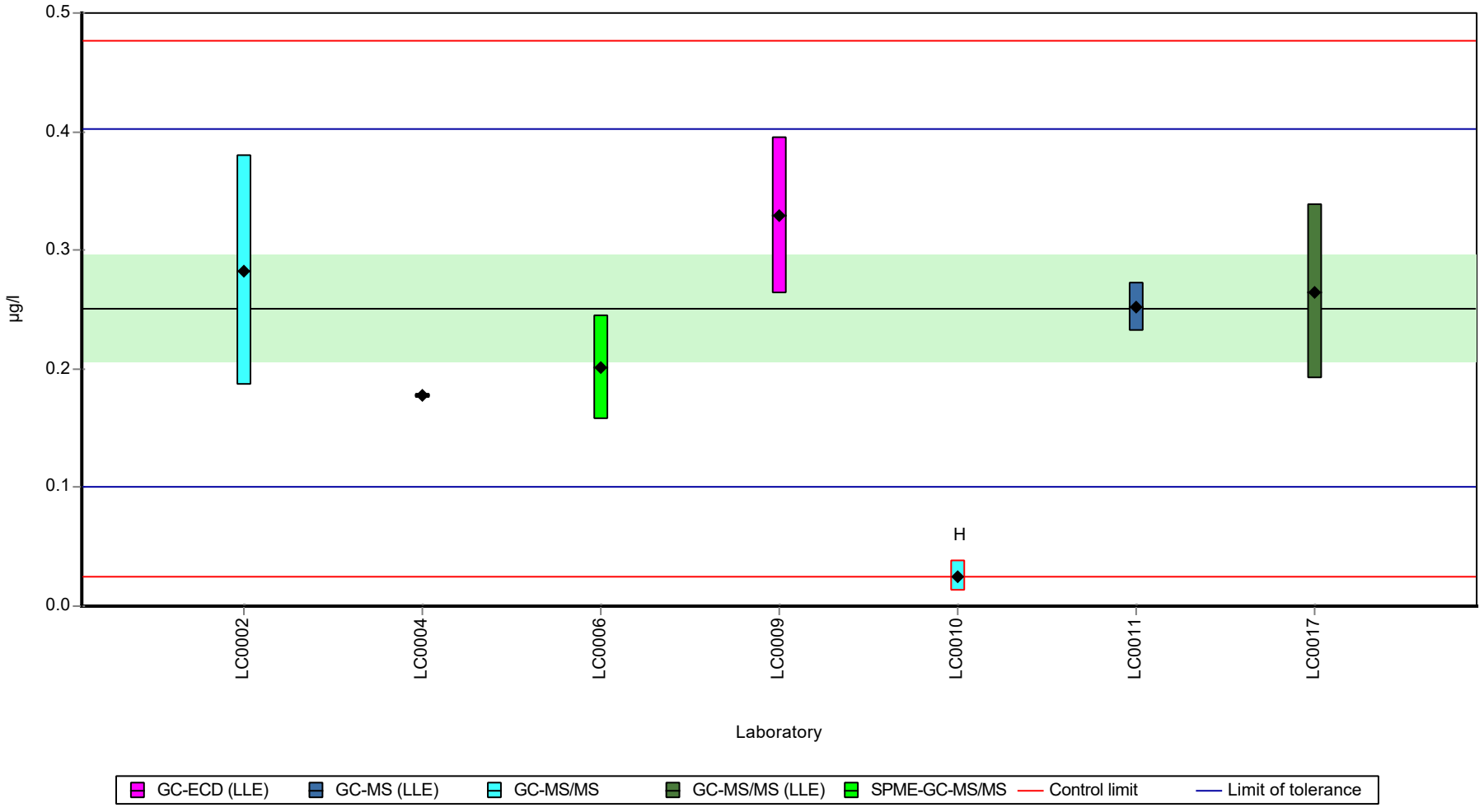
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	0.283	0.097	113	0.42	
LC0003	-	-	-	-	
LC0004	0.177	0.002	70.5	-0.98	
LC0005	-	-	-	-	
LC0006	0.201	0.044	80	-0.67	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	0.329	0.066	131	1.03	
LC0010	0.0251	0.013	10	-3	H
LC0011	0.252	0.021	100	0.01	
LC0012	-	-	-	-	
LC0013	-	-	-	-	
LC0014	-	-	-	-	
LC0015	-	-	-	-	
LC0016	-	-	-	-	
LC0017	0.265	0.074	106	0.18	

Characteristics of parameter

	all results	w ithout outliers	Unit
Mean ± Cl (99%)	0.219 ± 0.113	0.251 ± 0.0677	µg/l
Minimum	0.0251	0.177	µg/l
Maximum	0.329	0.329	µg/l
Standard deviation	0.0992	0.0553	µg/l
rel. standard deviation	45.3	22	%
n	7	6	-

Graphical presentation of results

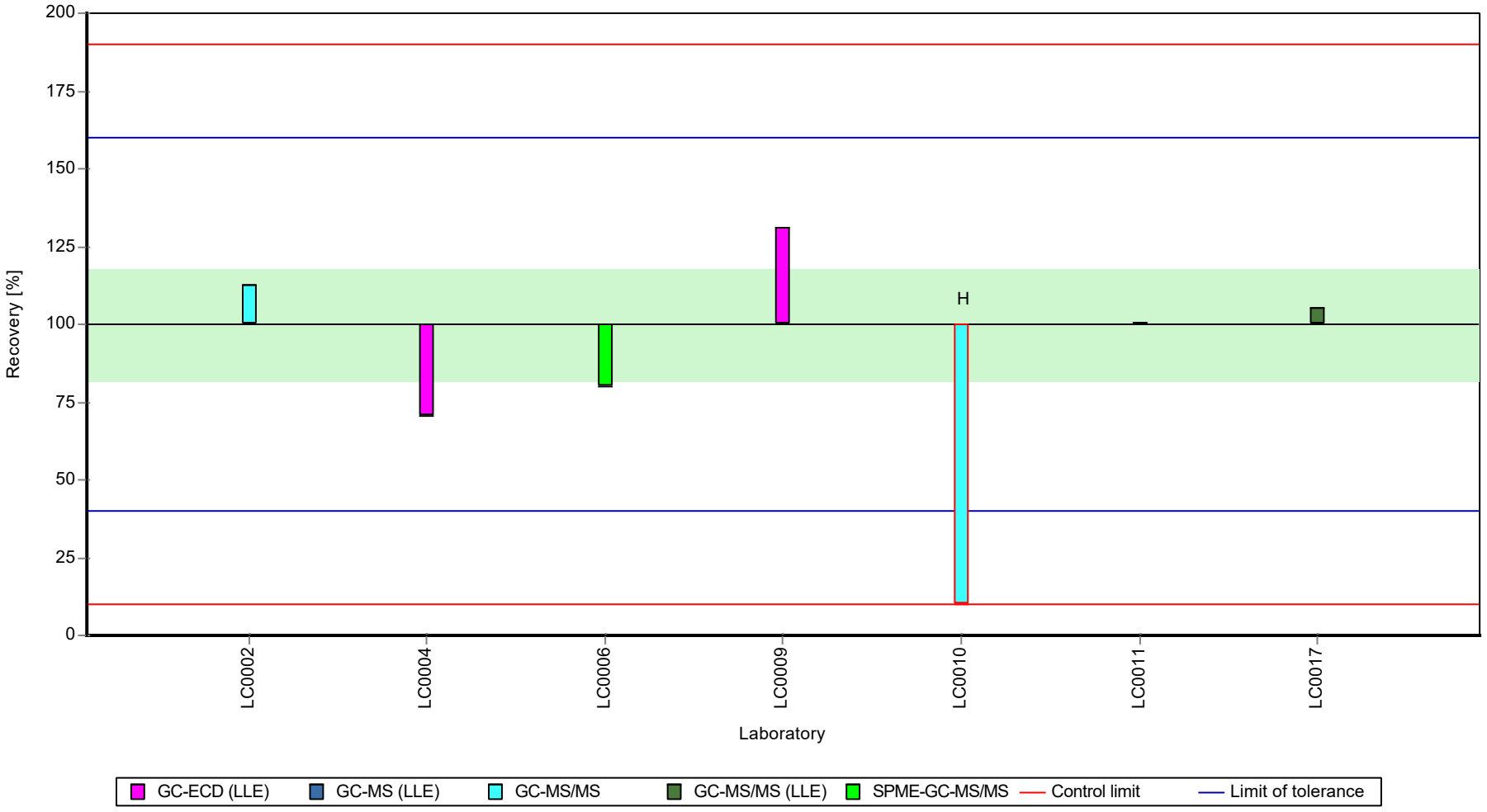
Results

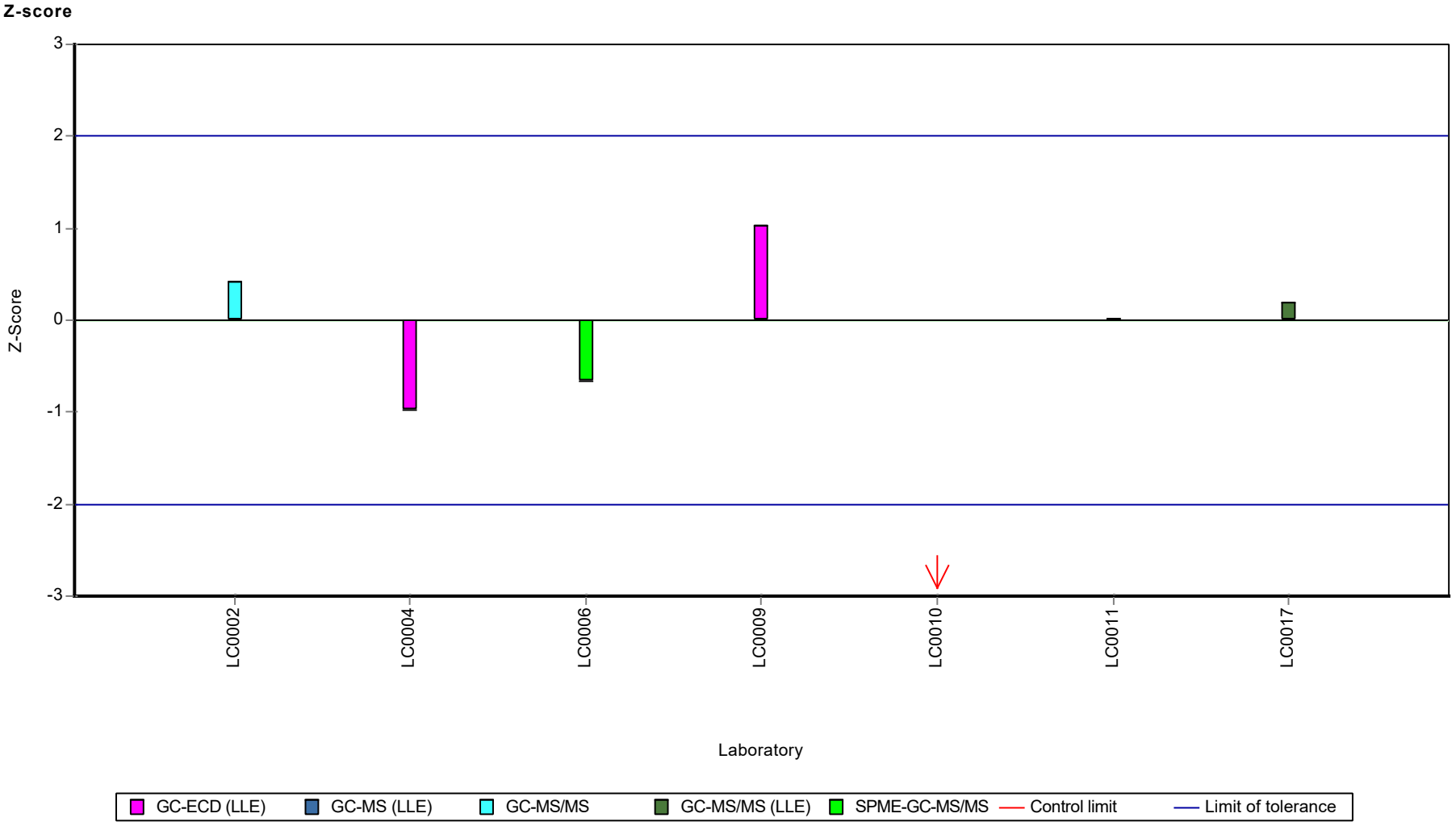


Parameter oriented report Pesticides H117

Sample: H117B, Parameter: Aldrin

Recovery rate




Z-score
3
2
1
0
-1
-2
-3
Z-Score
LC0002
LC0004
LC0006
LC0009
LC0010
LC0011
LC0017
Laboratory
GC-ECD (LLE)
GC-MS (LLE)
GC-MS/MS
GC-MS/MS (LLE)
SPME-GC-MS/MS
Control limit
Limit of tolerance

Parameter oriented report

H117 A

Atrazine

Unit	µg/l
Assigned value ± U (k=2)	0.242 ± 0.0115
Criterion	0.0266 (11 %)
Minimum - Maximum	0.208 - 0.284
Control test value ± U (k=2)	0.252 ± 0.0631

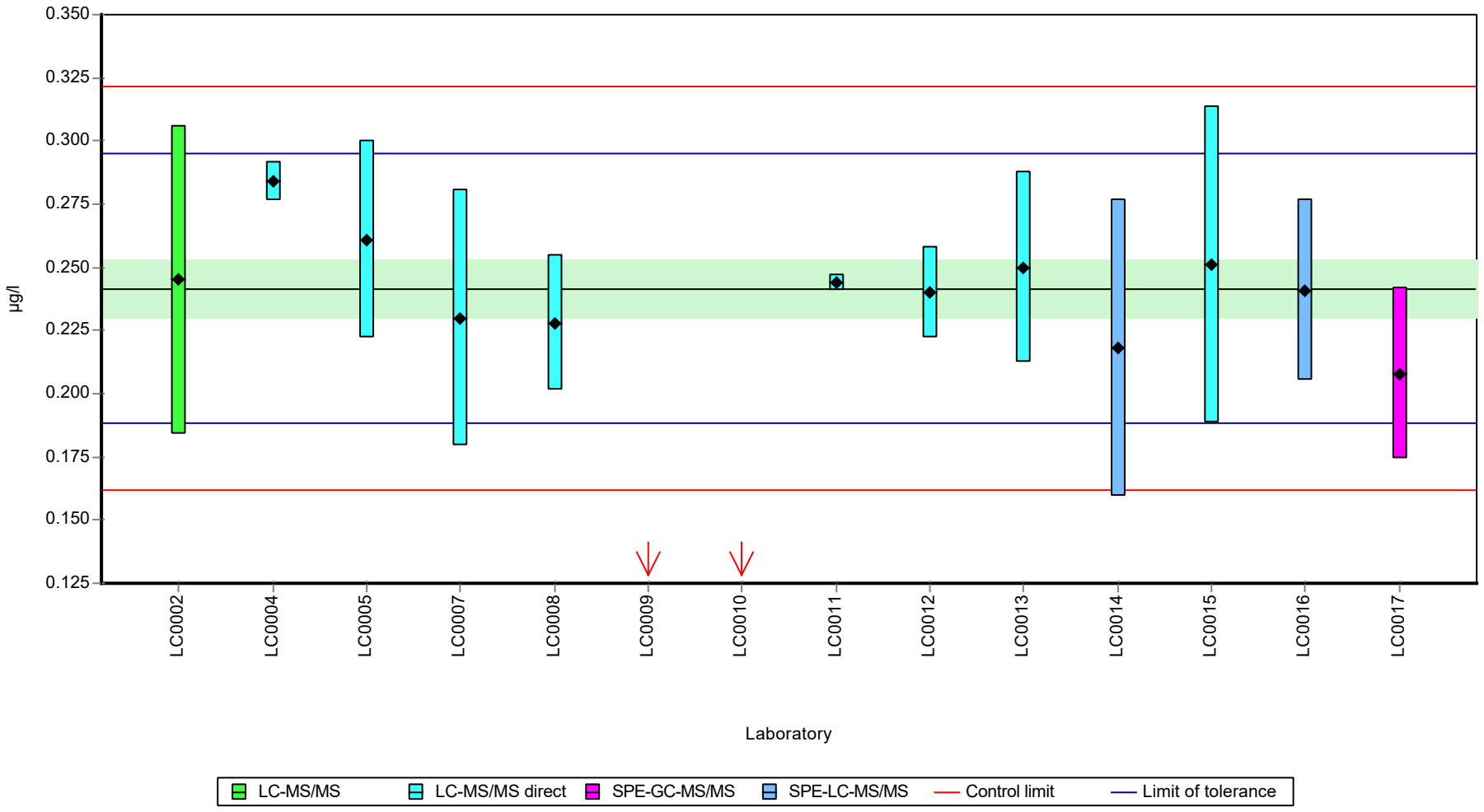
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	0.245	0.061	101	0.13	
LC0003	-	-	-	-	
LC0004	0.284	0.008	118	1.59	
LC0005	0.261	0.039	108	0.73	
LC0006	-	-	-	-	
LC0007	0.23	0.05058	95.2	-0.44	
LC0008	0.228	0.027	94.4	-0.51	
LC0009	0.023	0.005	9.5	-8.23	H
LC0010	0.0598	0.029	24.7	-6.84	H
LC0011	0.244	0.003	101	0.09	
LC0012	0.24	0.018	99.3	-0.06	
LC0013	0.25	0.038	103	0.31	
LC0014	0.218	0.0589	90.2	-0.89	
LC0015	0.2508	0.0627	104	0.34	
LC0016	0.241	0.036	99.7	-0.02	
LC0017	0.208	0.0341	86.1	-1.27	

Characteristics of parameter

	all results	w ithout outliers	Unit
Mean ± CI (99%)	0.213 ± 0.0604	0.242 ± 0.0172	µg/l
Minimum	0.023	0.208	µg/l
Maximum	0.284	0.284	µg/l
Standard deviation	0.0753	0.0199	µg/l
rel. standard deviation	35.4	8.23	%
n	14	12	-

Graphical presentation of results

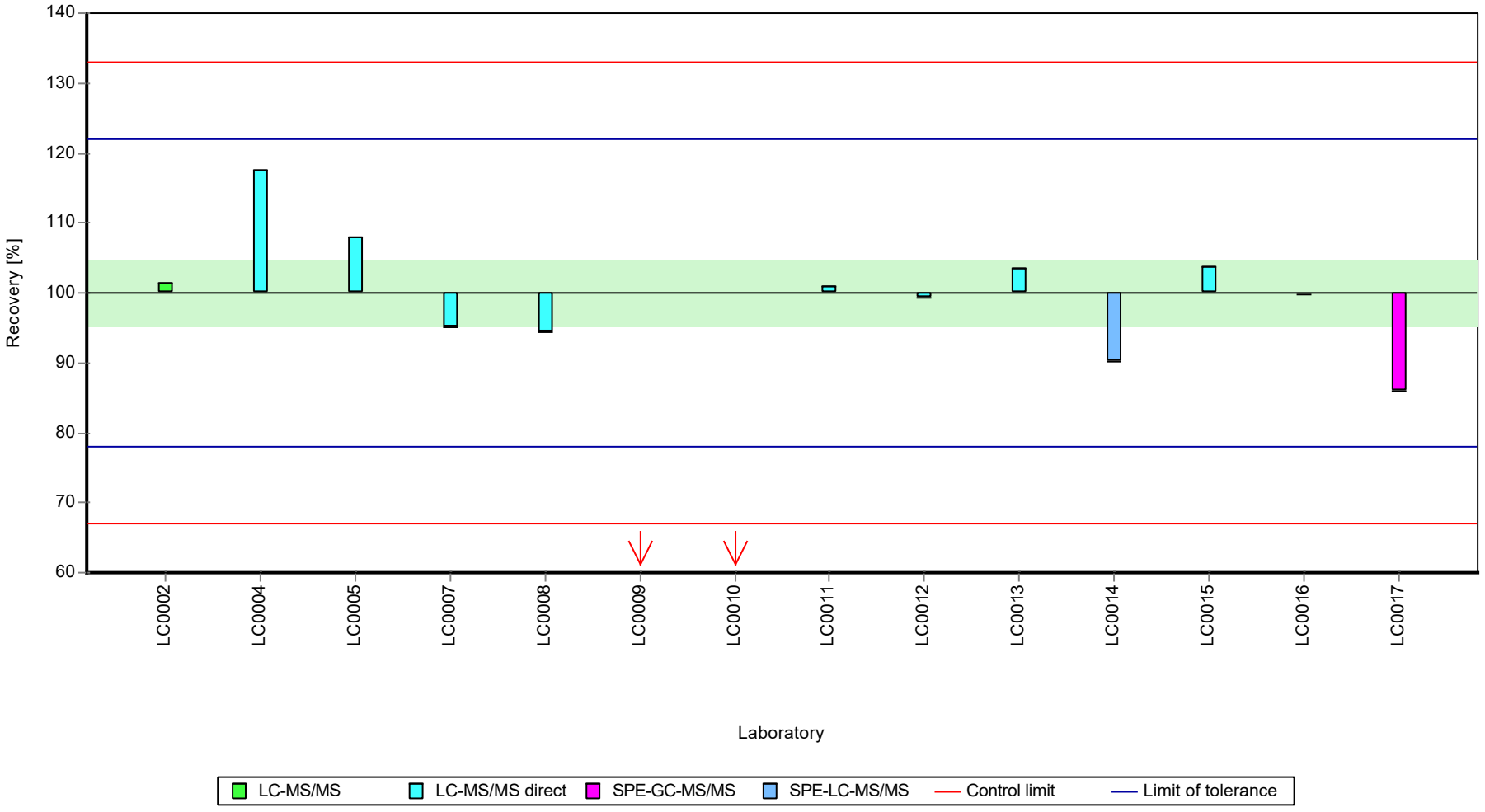
Results



Parameter oriented report Pesticides H117

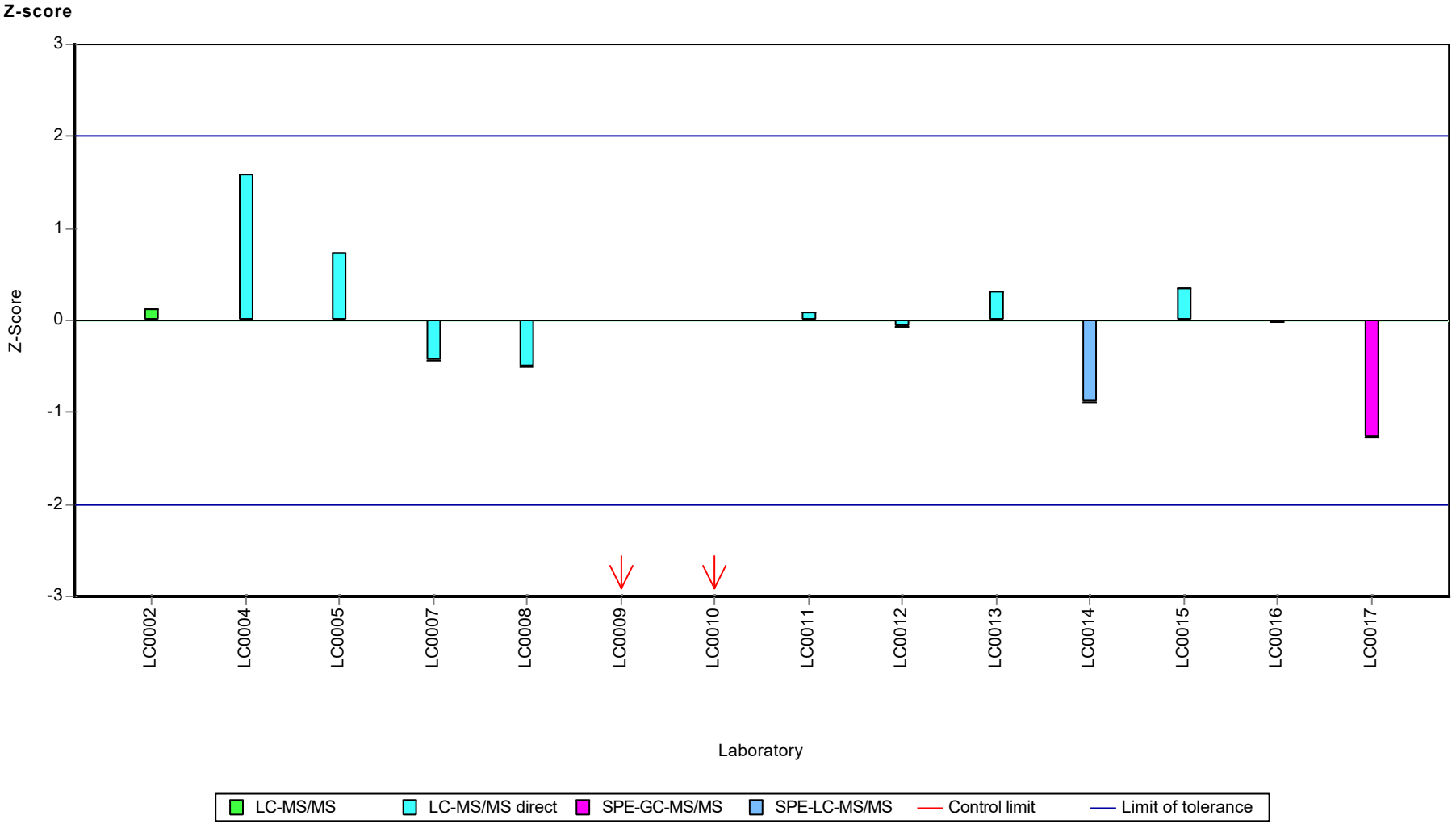
Sample: H117A, Parameter: Atrazine

Recovery rate



Parameter oriented report Pesticides H117

Sample: H117A, Parameter: Atrazine



Parameter oriented report

H117 B

Atrazine

Unit	µg/l
Assigned value ± U (k=2)	1 ± 0.0233
Criterion	0.11 (11 %)
Minimum - Maximum	0.973 - 1.08
Control test value ± U (k=2)	1.04 ± 0.26

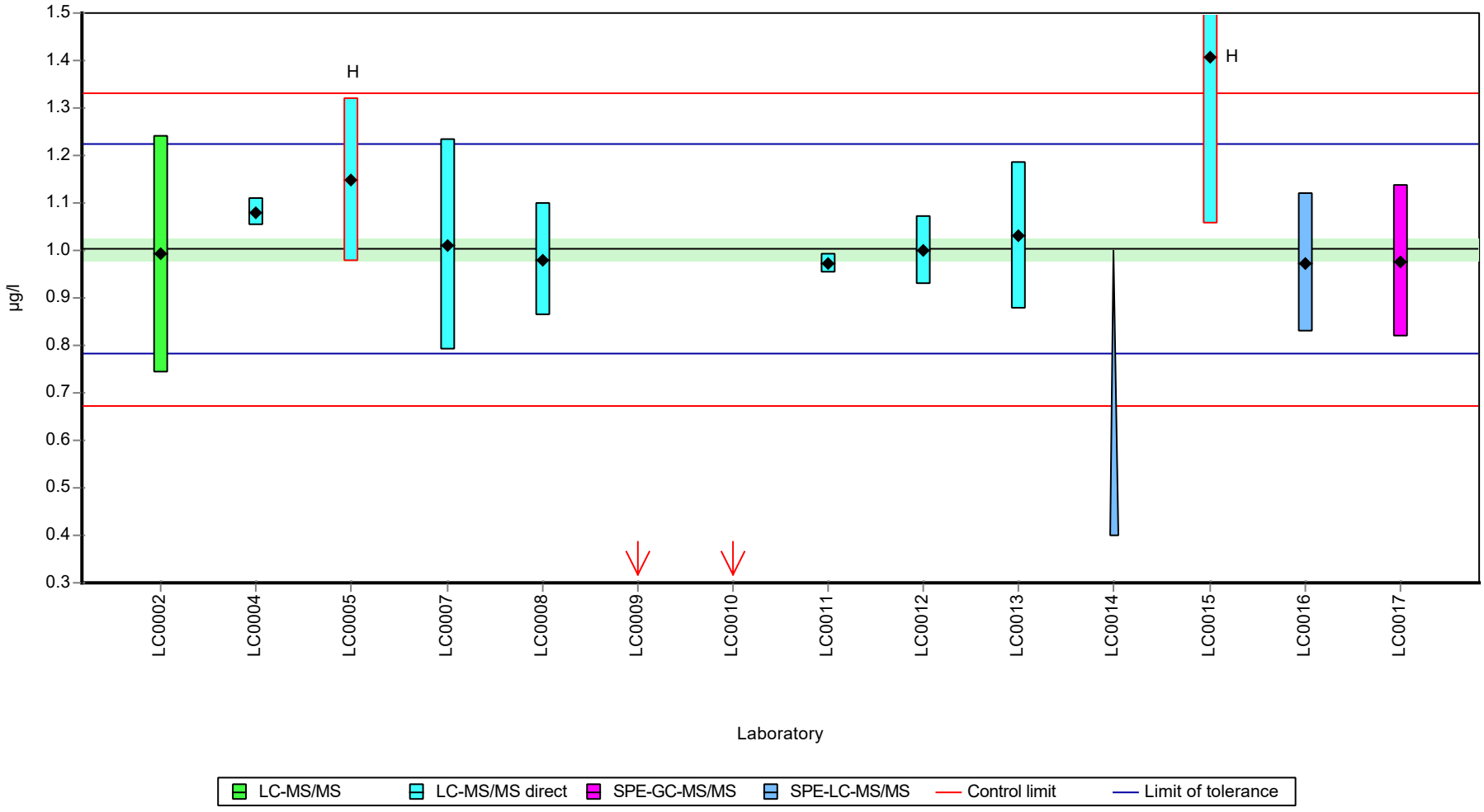
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	0.993	0.25	99.1	-0.08	
LC0003	-	-	-	-	
LC0004	1.08	0.03	108	0.71	
LC0005	1.149	0.172	115	1.33	H
LC0006	-	-	-	-	
LC0007	1.0115	0.22243	101	0.09	
LC0008	0.981	0.12	97.9	-0.19	
LC0009	0.096	0.019	9.6	-8.22	H
LC0010	0.139	0.07	13.9	-7.83	H
LC0011	0.973	0.02	97.1	-0.26	
LC0012	1	0.074	99.8	-0.02	
LC0013	1.03	0.155	103	0.25	
LC0014	>0.4	-	-	-	
LC0015	1.407	0.3518	140	3.67	H
LC0016	0.973	0.146	97.1	-0.26	
LC0017	0.977	0.1602	97.5	-0.23	

Characteristics of parameter

	all results	w ithout outliers	Unit
Mean ± CI (99%)	0.908 ± 0.308	1 ± 0.035	µg/l
Minimum	0.096	0.973	µg/l
Maximum	1.41	1.08	µg/l
Standard deviation	0.37	0.035	µg/l
rel. standard deviation	40.8	3.49	%
n	13	9	-

Graphical presentation of results

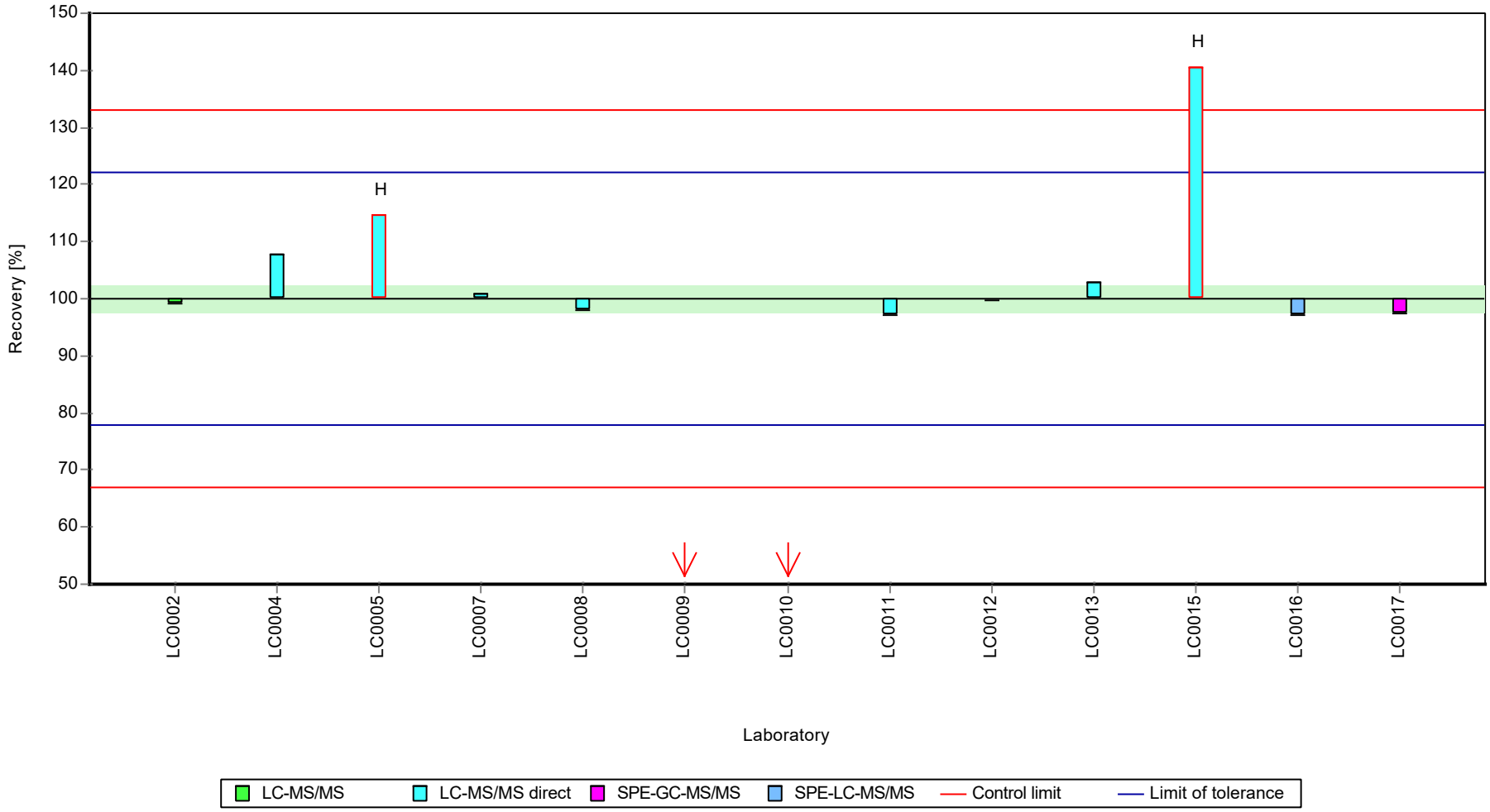
Results



Parameter oriented report Pesticides H117

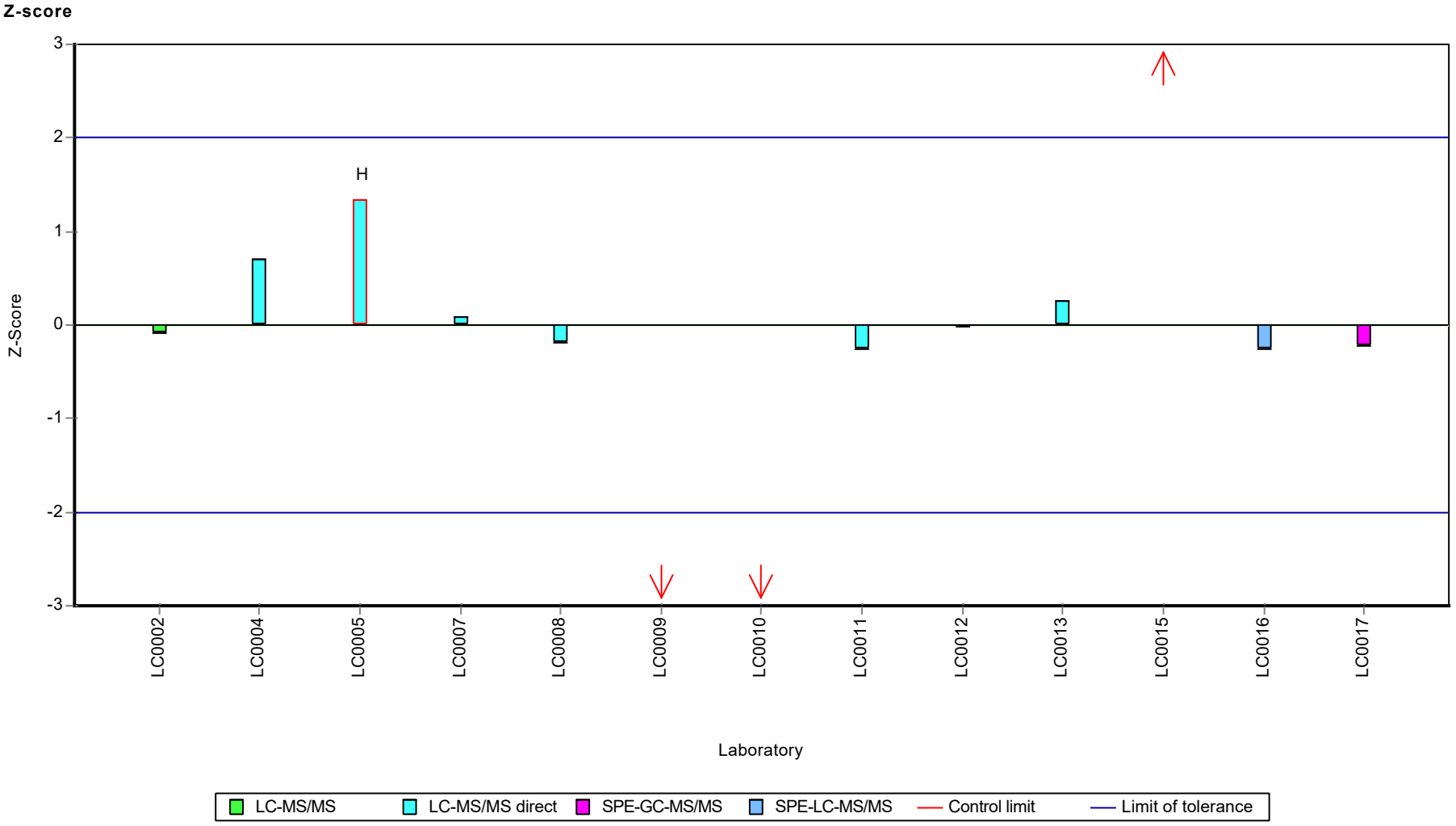
Sample: H117B, Parameter: Atrazine

Recovery rate



Parameter oriented report Pesticides H117

Sample: H117B, Parameter: Atrazine



Parameter oriented report

H117 A

Atrazine-desethyl

Unit	µg/l
Assigned value ± U (k=2)	0.563 ± 0.0319
Criterion	0.0675 (12 %)
Minimum - Maximum	0.454 - 0.631
Control test value ± U (k=2)	0.548 ± 0.11

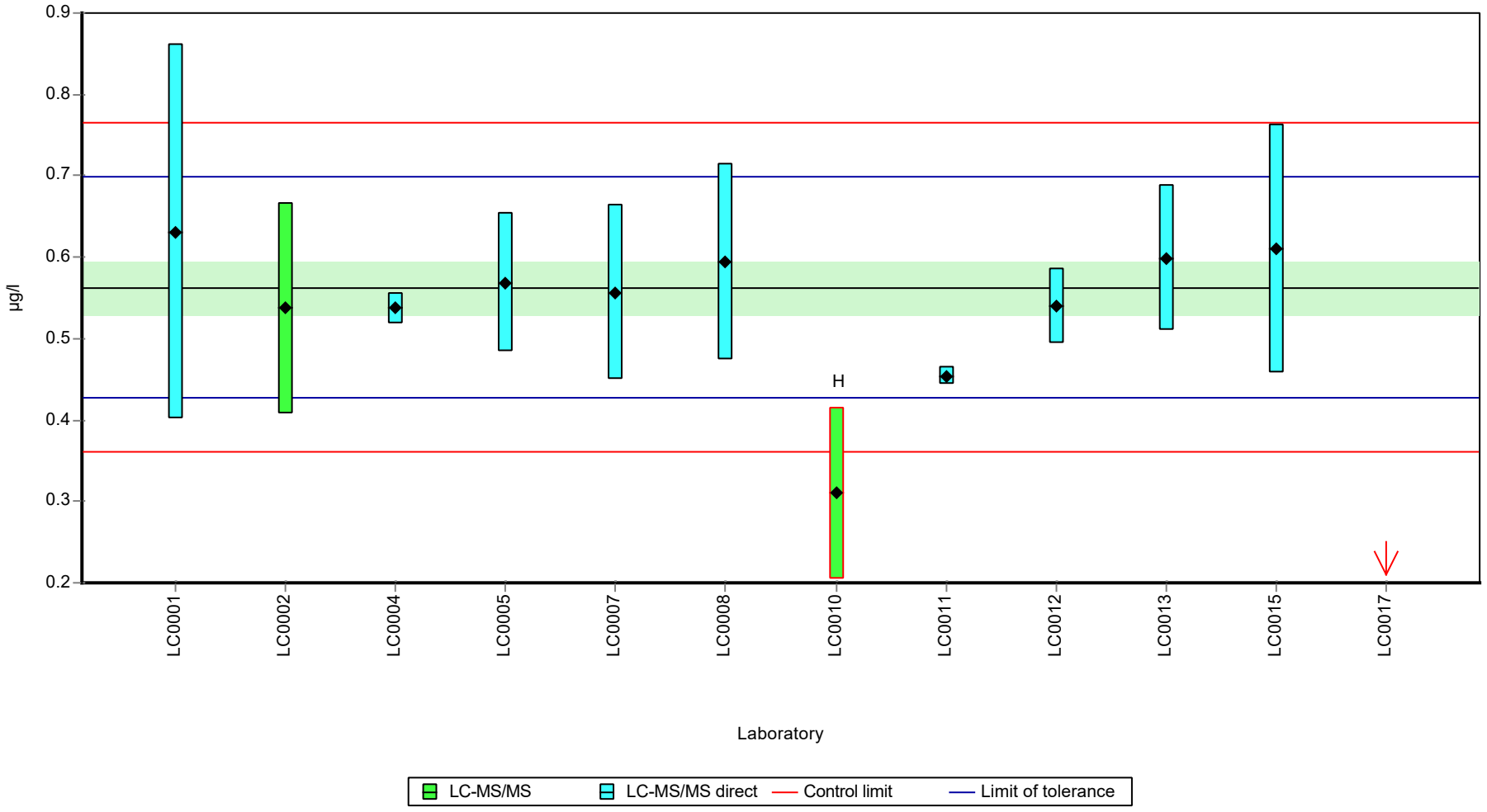
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.631	0.23	112	1.01	
LC0002	0.537	0.13	95.4	-0.38	
LC0003	-	-	-	-	
LC0004	0.537	0.02	95.4	-0.38	
LC0005	0.569	0.085	101	0.09	
LC0006	-	-	-	-	
LC0007	0.557	0.10856	99	-0.09	
LC0008	0.594	0.12	106	0.46	
LC0009	-	-	-	-	
LC0010	0.31	0.105	55.1	-3.74	H
LC0011	0.454	0.011	80.7	-1.61	
LC0012	0.54	0.046	96	-0.34	
LC0013	0.599	0.09	106	0.54	
LC0014	-	-	-	-	
LC0015	0.6099	0.1525	108	0.7	
LC0016	-	-	-	-	
LC0017	0.228	0.031	40.5	-4.96	H

Characteristics of parameter

	all results	w ithout outliers	Unit
Mean ± CI (99%)	0.514 ± 0.108	0.563 ± 0.0479	µg/l
Minimum	0.228	0.454	µg/l
Maximum	0.631	0.631	µg/l
Standard deviation	0.124	0.0505	µg/l
rel. standard deviation	24.2	8.97	%
n	12	10	-

Graphical presentation of results

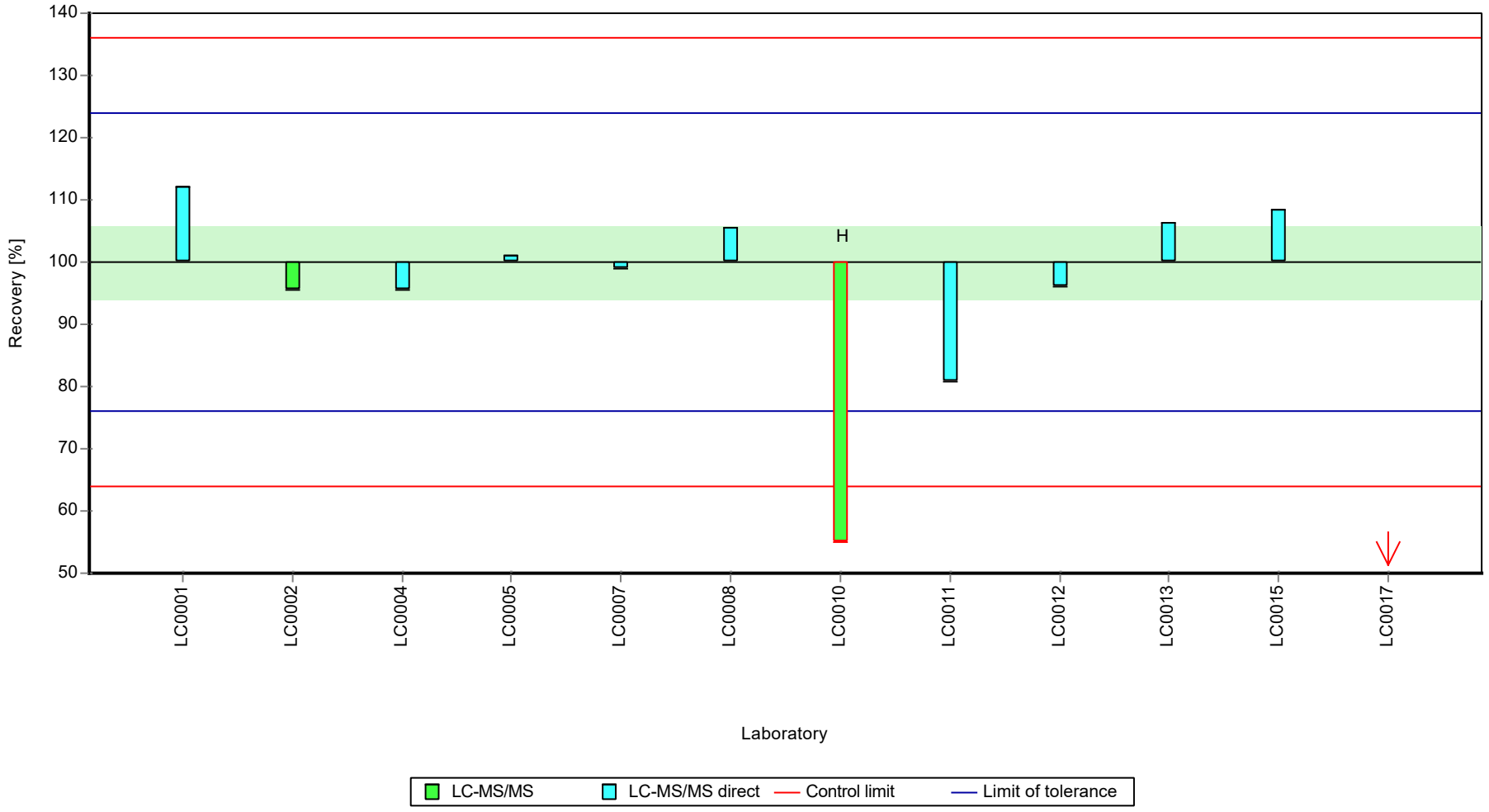
Results



Parameter oriented report Pesticides H117

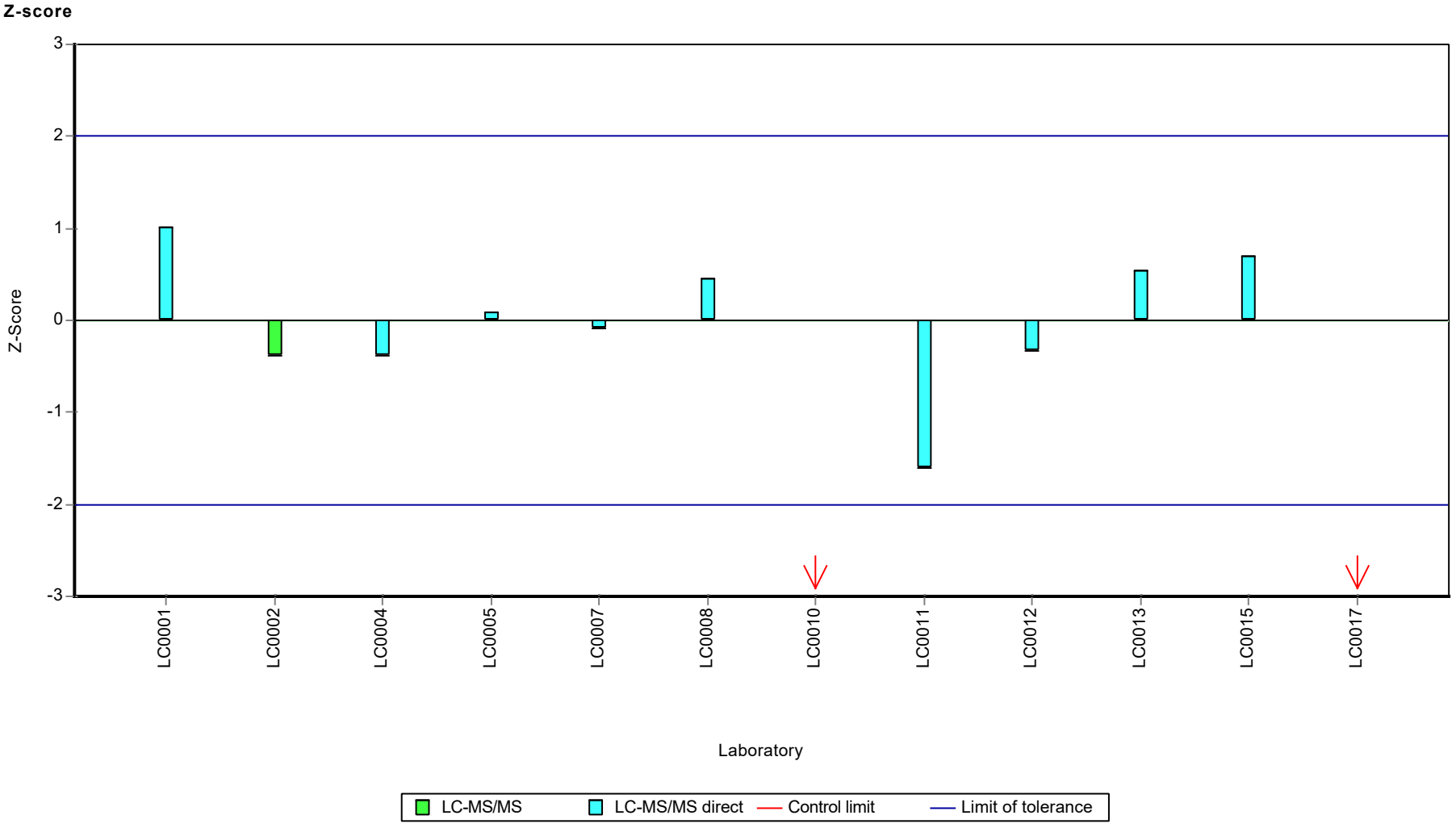
Sample: H117A, Parameter: Atrazine-desethyl

Recovery rate



Parameter oriented report Pesticides H117

Sample: H117A, Parameter: Atrazine-desethyl



Parameter oriented report

H117 B

Atrazine-desethyl

Unit	µg/l
Assigned value ± U (k=2)	1.64 ± 0.102
Criterion	0.197 (12 %)
Minimum - Maximum	1.33 - 1.86
Control test value ± U (k=2)	1.53 ± 0.306

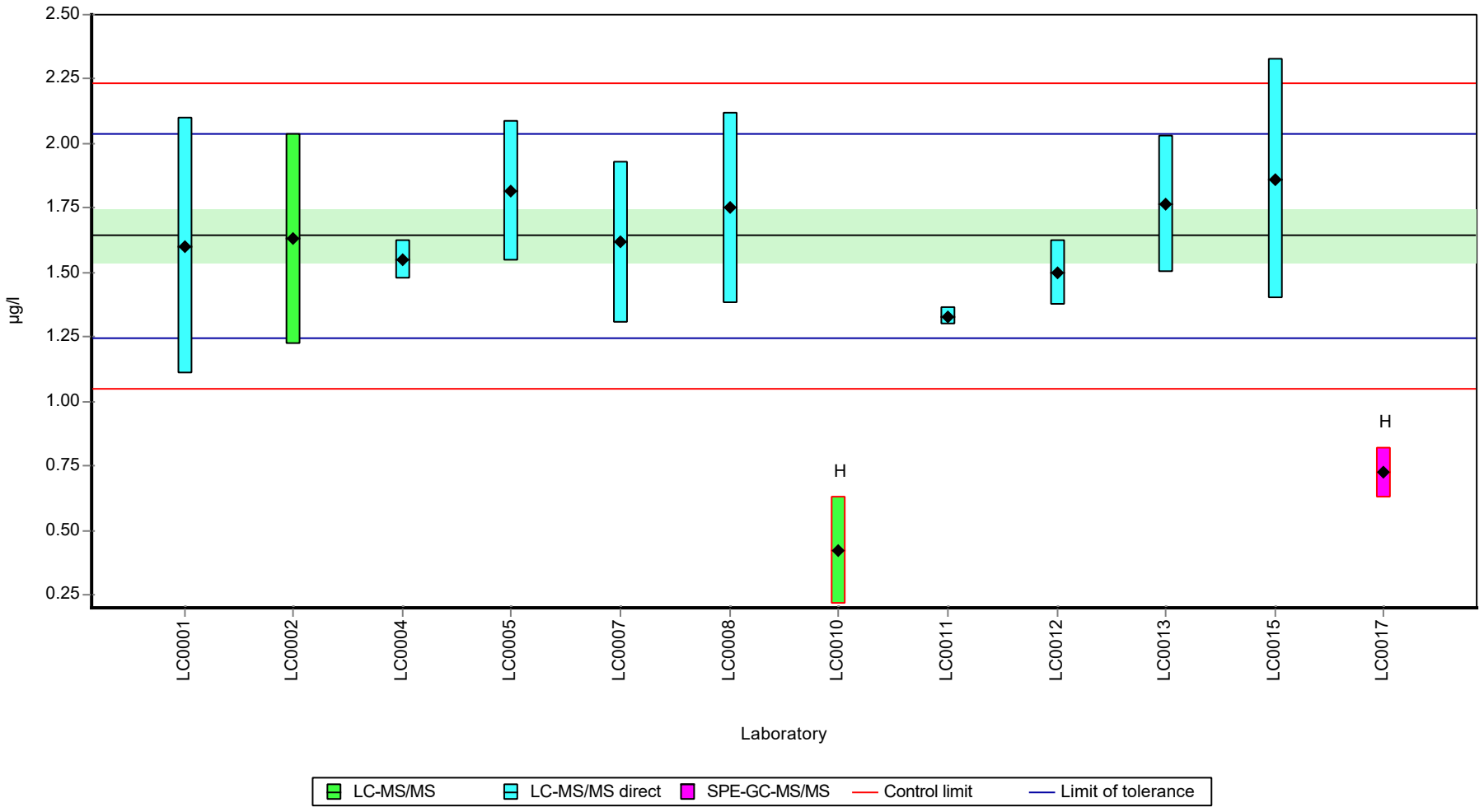
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	1.603	0.5	97.6	-0.2	
LC0002	1.63	0.41	99.3	-0.06	
LC0003	-	-	-	-	
LC0004	1.55	0.075	94.4	-0.47	
LC0005	1.814	0.272	110	0.87	
LC0006	-	-	-	-	
LC0007	1.617	0.31515	98.5	-0.13	
LC0008	1.75	0.37	107	0.55	
LC0009	-	-	-	-	
LC0010	0.42	0.21	25.6	-6.2	H
LC0011	1.33	0.035	81	-1.58	
LC0012	1.5	0.128	91.4	-0.72	
LC0013	1.763	0.265	107	0.61	
LC0014	-	-	-	-	
LC0015	1.863	0.4659	113	1.12	
LC0016	-	-	-	-	
LC0017	0.725	0.0987	44.2	-4.65	H

Characteristics of parameter

	all results	w ithout outliers	Unit
Mean ± Cl (99%)	1.46 ± 0.386	1.64 ± 0.153	µg/l
Minimum	0.42	1.33	µg/l
Maximum	1.86	1.86	µg/l
Standard deviation	0.446	0.161	µg/l
rel. standard deviation	30.5	9.8	%
n	12	10	-

Graphical presentation of results

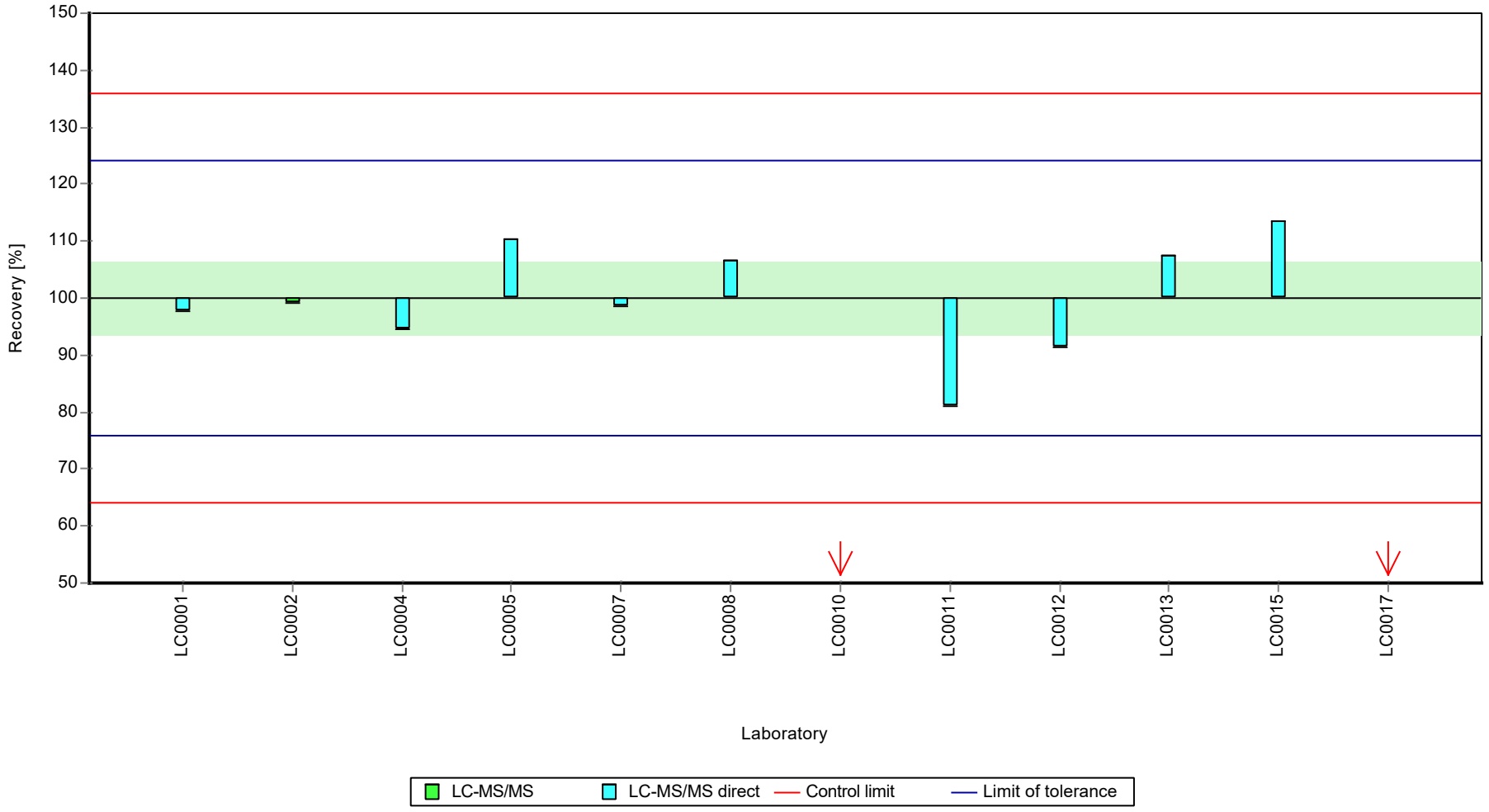
Results



Parameter oriented report Pesticides H117

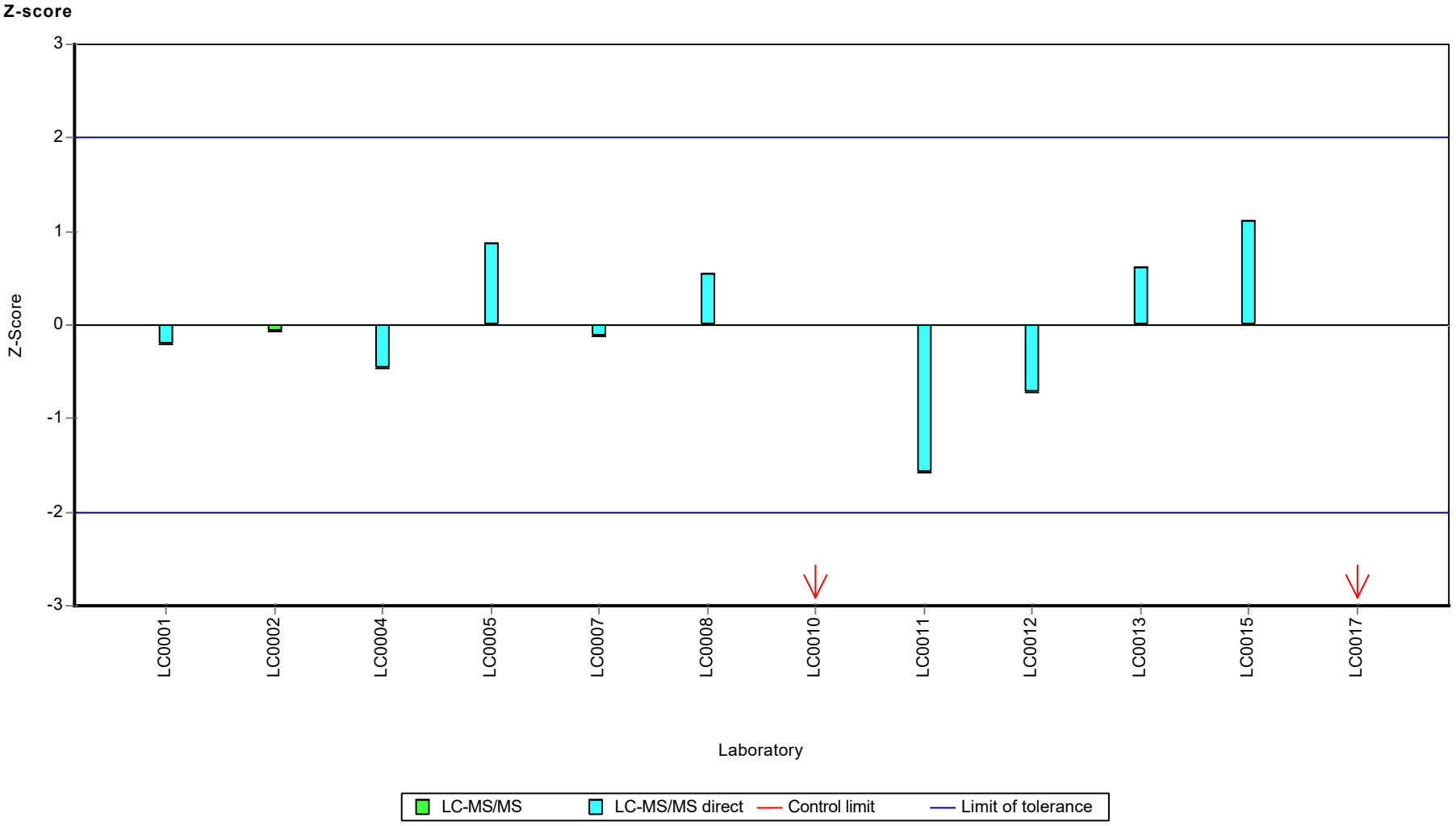
Sample: H117B, Parameter: Atrazine-desethyl

Recovery rate



Parameter oriented report Pesticides H117

Sample: H117B, Parameter: Atrazine-desethyl



Parameter oriented report

H117 A

Atrazine-desisopropyl

Unit	µg/l
Assigned value ± U (k=2)	0.279 ± 0.00831
Criterion	0.039 (14 %)
Minimum - Maximum	0.258 - 0.291
Control test value ± U (k=2)	0.310 ± 0.109

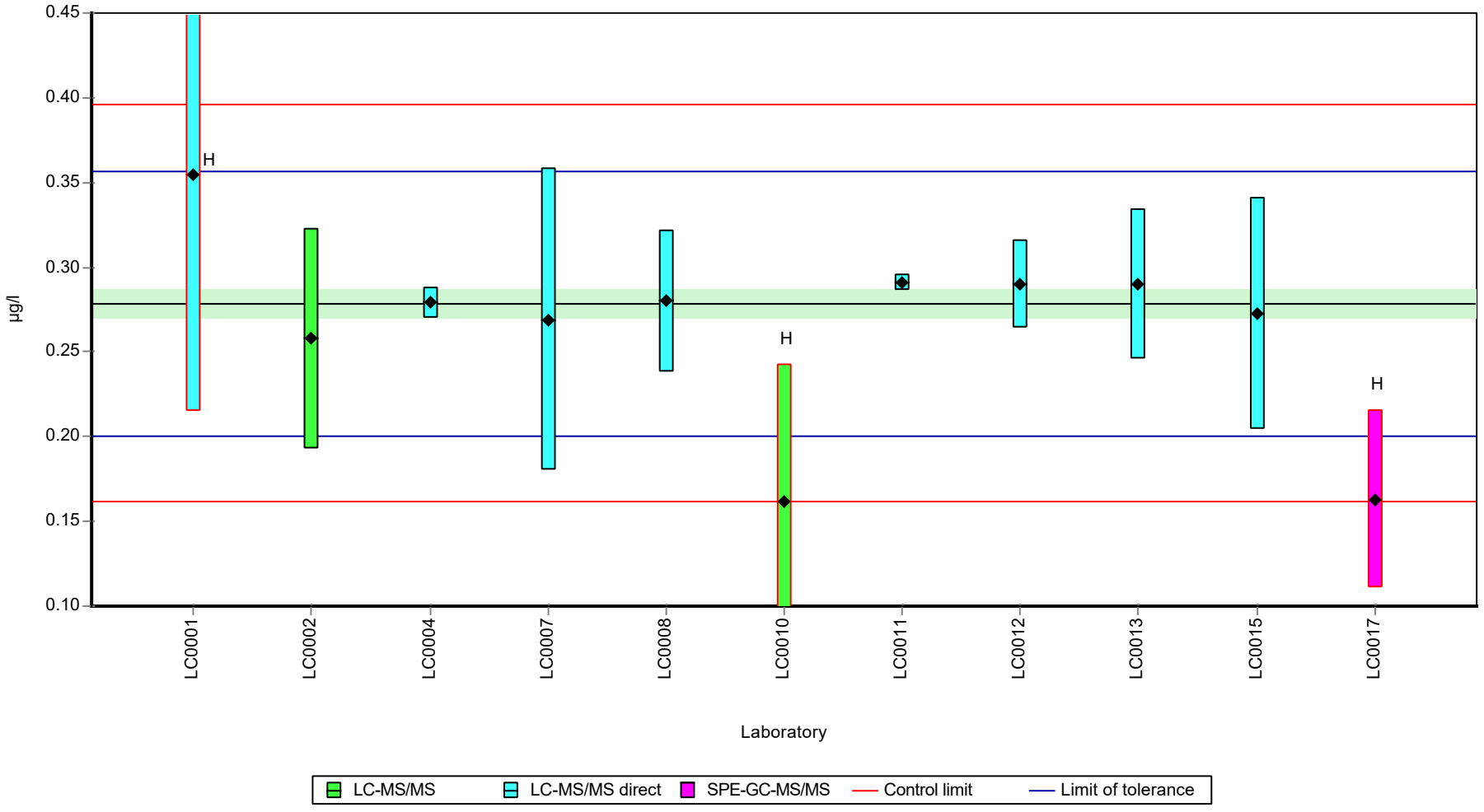
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.355	0.14	127	1.95	H
LC0002	0.258	0.065	92.6	-0.53	
LC0003	-	-	-	-	
LC0004	0.279	0.009	100	0.01	
LC0005	-	-	-	-	
LC0006	-	-	-	-	
LC0007	0.269	0.0892	96.5	-0.25	
LC0008	0.28	0.042	100	0.03	
LC0009	-	-	-	-	
LC0010	0.162	0.081	58.1	-2.99	H
LC0011	0.291	0.005	104	0.31	
LC0012	0.29	0.026	104	0.29	
LC0013	0.29	0.044	104	0.29	
LC0014	-	-	-	-	
LC0015	0.2728	0.0682	97.9	-0.15	
LC0016	-	-	-	-	
LC0017	0.163	0.0523	58.5	-2.97	H

Characteristics of parameter

	all results	w ithout outliers	Unit
Mean ± Cl (99%)	0.265 ± 0.0508	0.279 ± 0.0125	µg/l
Minimum	0.162	0.258	µg/l
Maximum	0.355	0.291	µg/l
Standard deviation	0.0562	0.0117	µg/l
rel. standard deviation	21.2	4.21	%
n	11	8	-

Graphical presentation of results

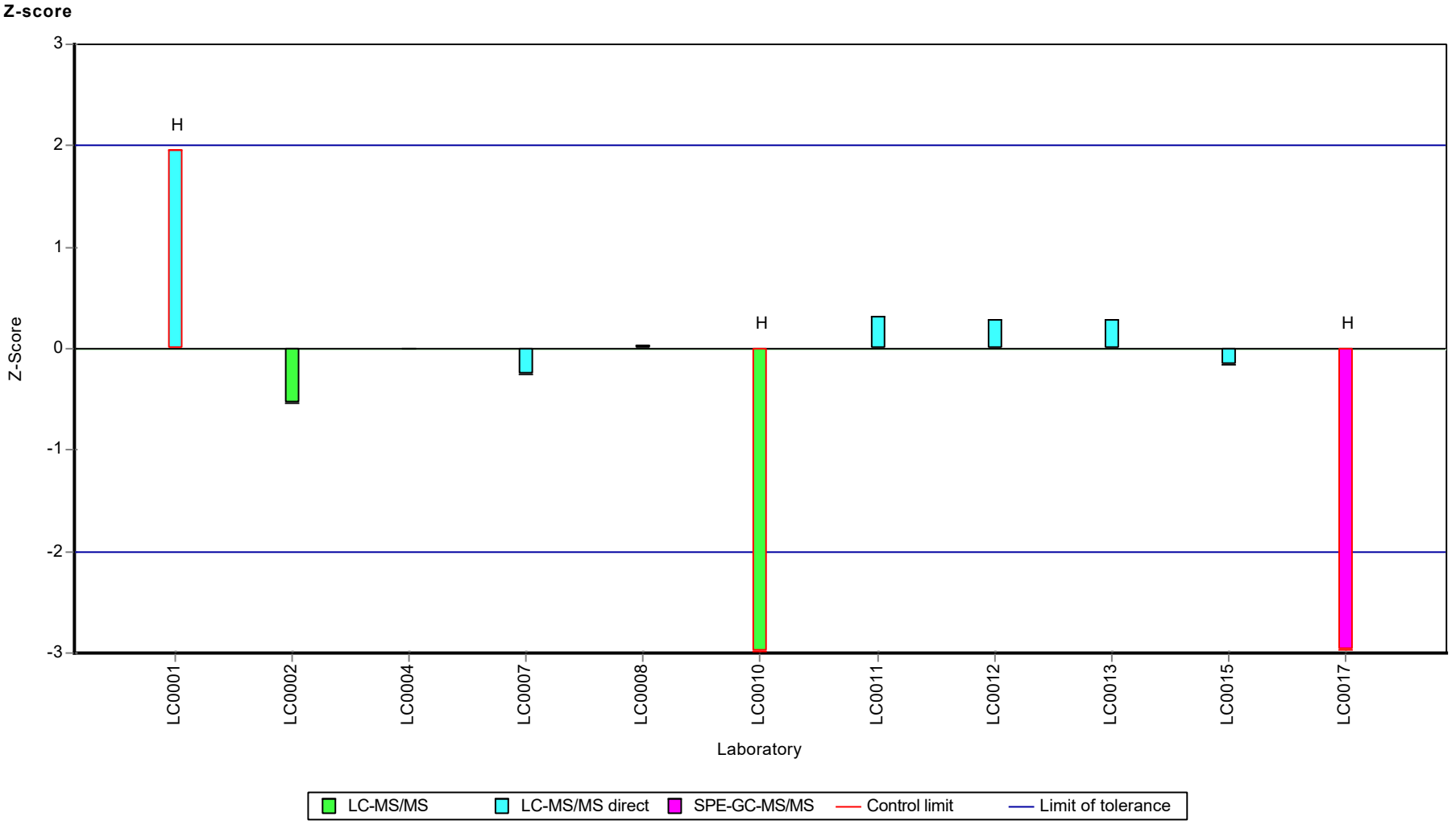
Results



Recovery rate

Parameter oriented report Pesticides H117

Sample: H117A, Parameter: Atrazine-desisopropyl



Parameter oriented report

H117 B

Atrazine-desisopropyl

Unit	µg/l
Assigned value ± U (k=2)	1.31 ± 0.0528
Criterion	0.183 (14 %)
Minimum - Maximum	1.13 - 1.4
Control test value ± U (k=2)	1.43 ± 0.501

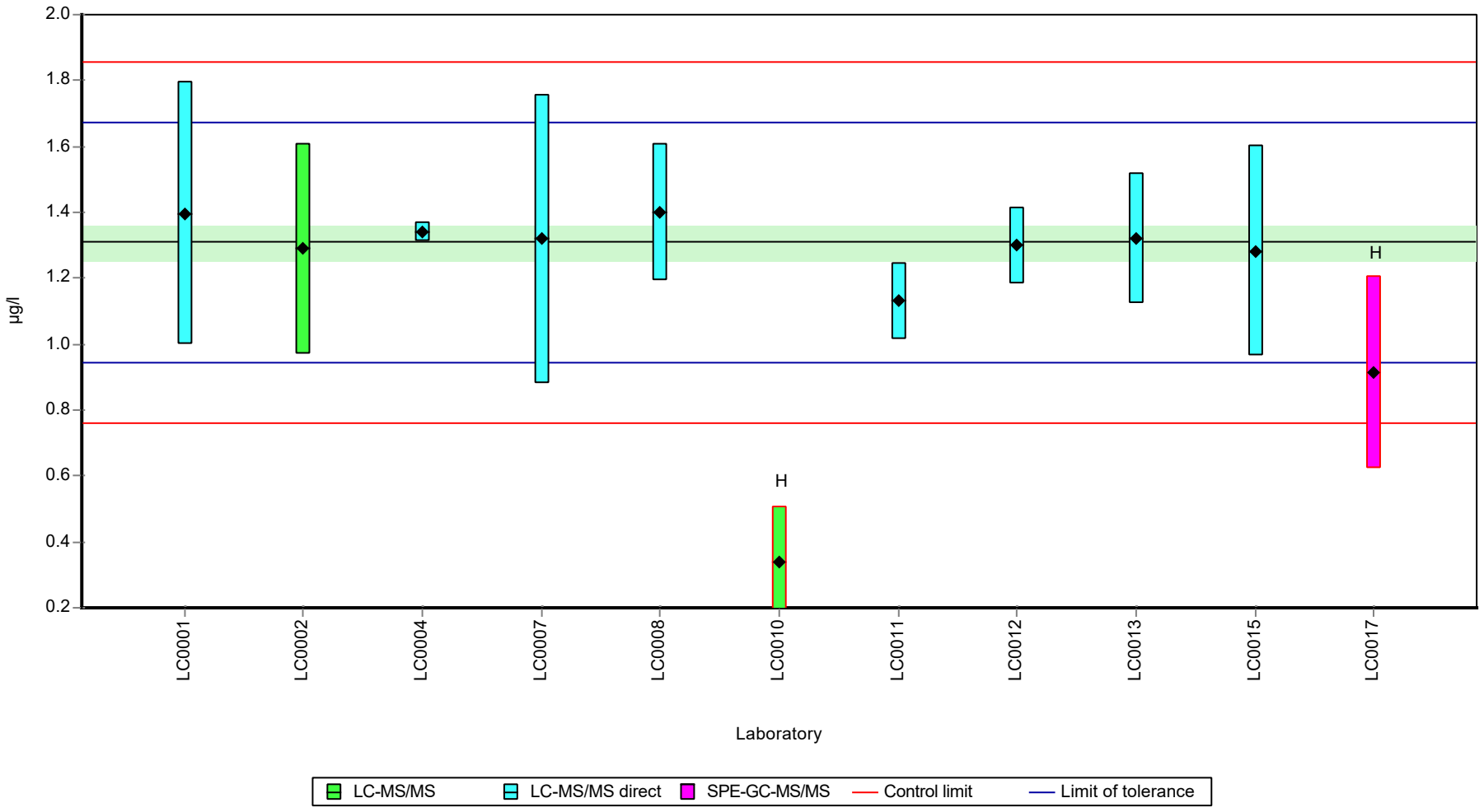
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	1.396	0.4	107	0.48	
LC0002	1.29	0.32	98.6	-0.1	
LC0003	-	-	-	-	
LC0004	1.34	0.029	102	0.17	
LC0005	-	-	-	-	
LC0006	-	-	-	-	
LC0007	1.319	0.43738	101	0.06	
LC0008	1.4	0.21	107	0.5	
LC0009	-	-	-	-	
LC0010	0.337	0.169	25.8	-5.3	H
LC0011	1.13	0.115	86.4	-0.97	
LC0012	1.3	0.116	99.4	-0.05	
LC0013	1.319	0.198	101	0.06	
LC0014	-	-	-	-	
LC0015	1.282	0.3206	98	-0.14	
LC0016	-	-	-	-	
LC0017	0.912	0.2928	69.7	-2.16	H

Characteristics of parameter

	all results	w ithout outliers	Unit
Mean ± Cl (99%)	1.18 ± 0.283	1.31 ± 0.0792	µg/l
Minimum	0.337	1.13	µg/l
Maximum	1.4	1.4	µg/l
Standard deviation	0.313	0.0792	µg/l
rel. standard deviation	26.5	6.06	%
n	11	9	-

Graphical presentation of results

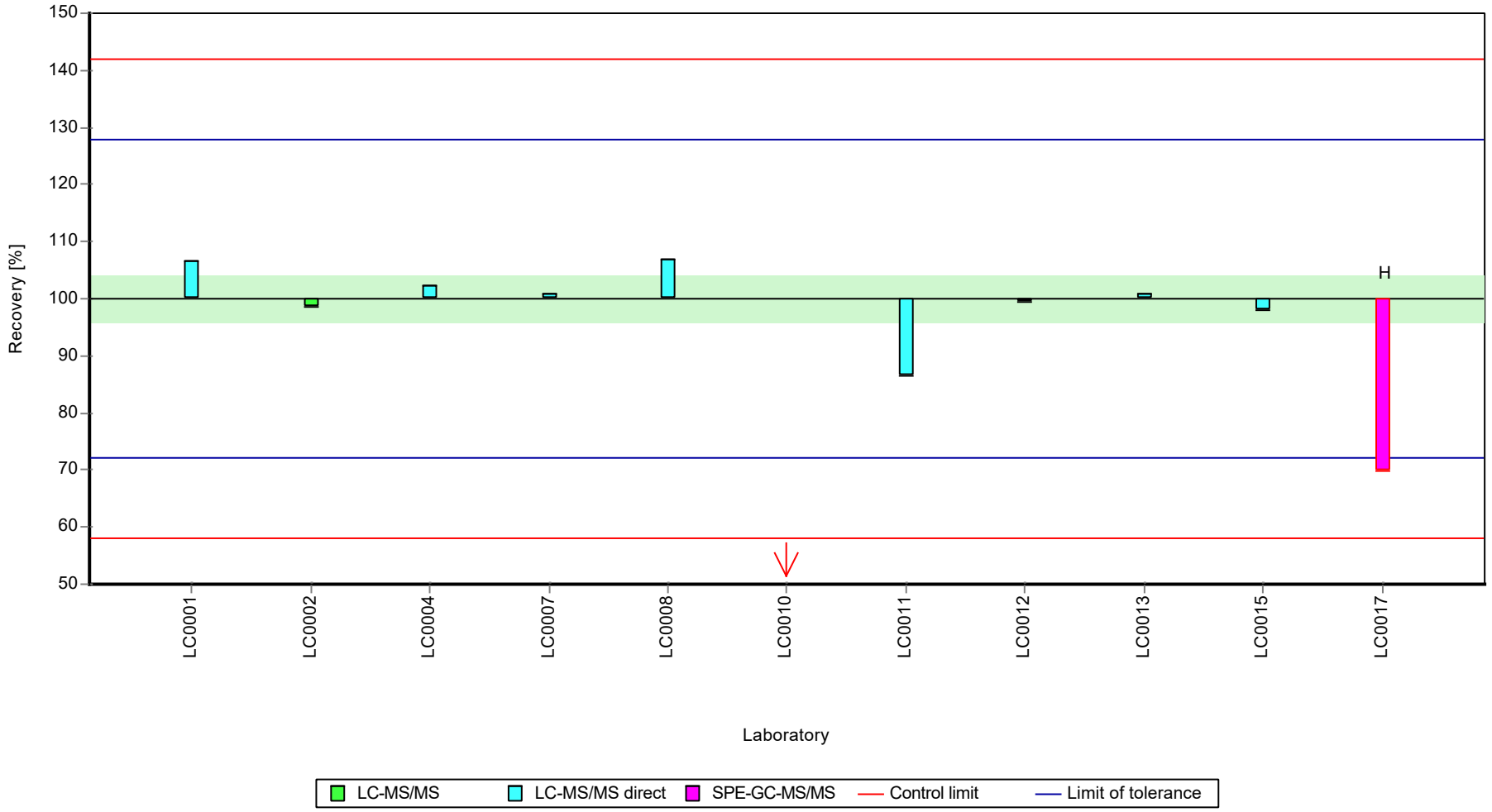
Results



Parameter oriented report Pesticides H117

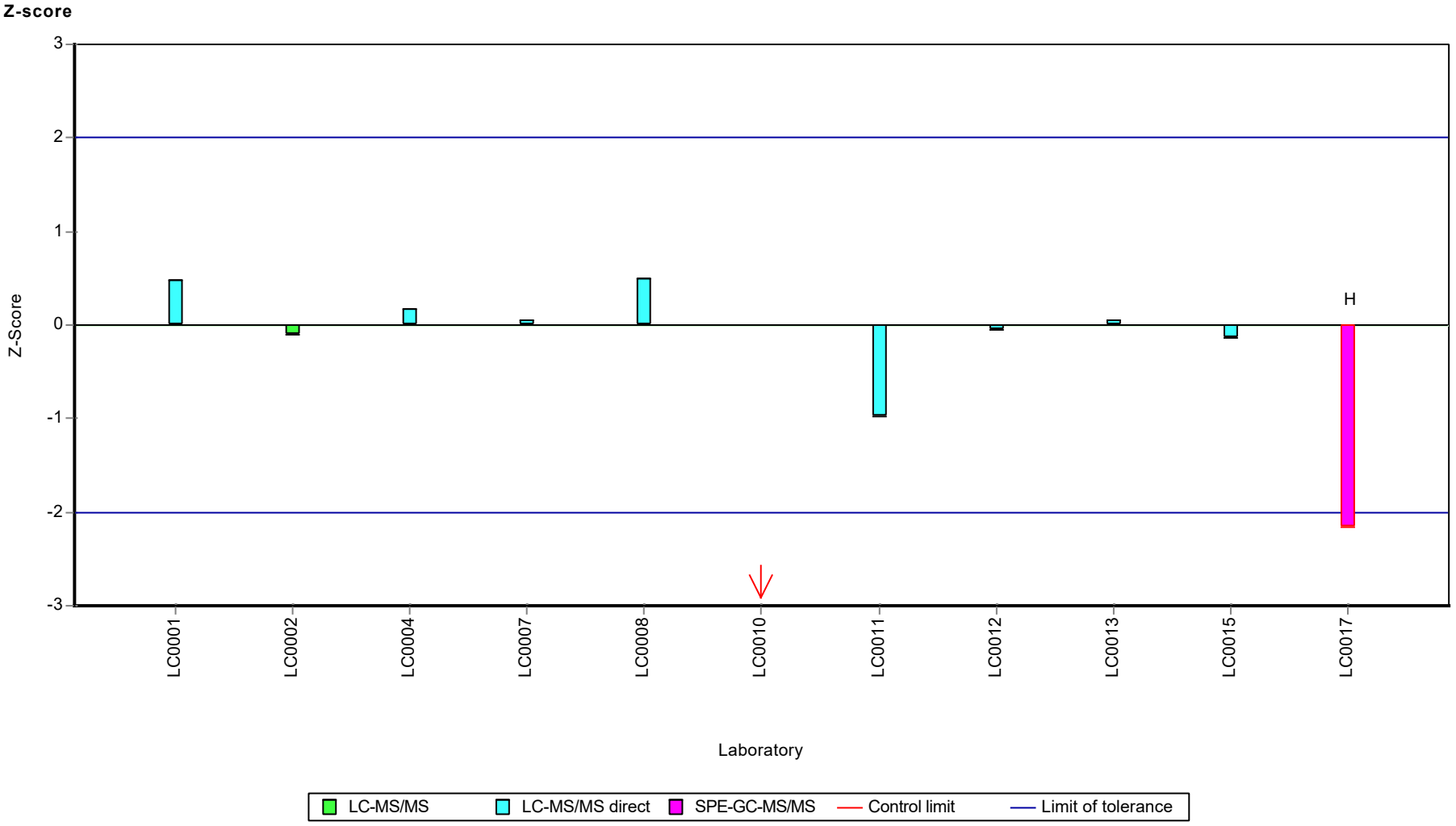
Sample: H117B, Parameter: Atrazine-desisopropyl

Recovery rate



Parameter oriented report Pesticides H117

Sample: H117B, Parameter: Atrazine-desisopropyl



Parameter oriented report

H117 A

Bromacil

Unit	µg/l
Assigned value ± U (k=2)	0.419 ± 0.0105
Criterion	0.0586 (14 %)
Minimum - Maximum	0.394 - 0.431
Control test value ± U (k=2)	0.493 ± 0.0985

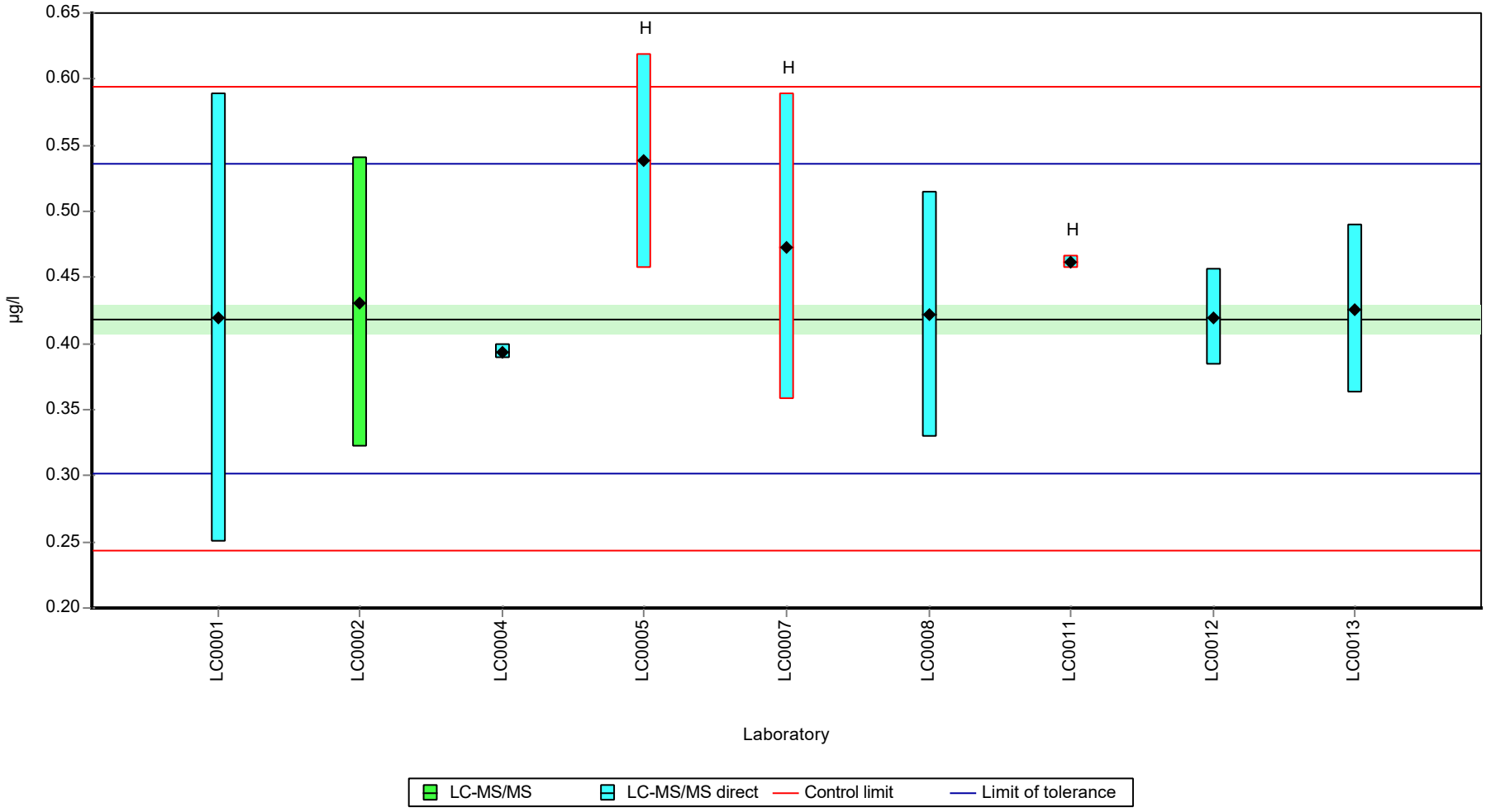
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.419	0.17	100	0.01	
LC0002	0.431	0.11	103	0.21	
LC0003	-	-	-	-	
LC0004	0.394	0.006	94.1	-0.42	
LC0005	0.538	0.081	129	2.04	H
LC0006	-	-	-	-	
LC0007	0.473	0.11584	113	0.93	H
LC0008	0.422	0.093	101	0.06	
LC0009	-	-	-	-	
LC0010	-	-	-	-	
LC0011	0.462	0.005	110	0.74	H
LC0012	0.42	0.037	100	0.02	
LC0013	0.426	0.064	102	0.13	
LC0014	-	-	-	-	
LC0015	-	-	-	-	
LC0016	-	-	-	-	
LC0017	-	-	-	-	

Characteristics of parameter

	all results	w ithout outliers	Unit
Mean ± Cl (99%)	0.443 ± 0.0428	0.419 ± 0.0158	µg/l
Minimum	0.394	0.394	µg/l
Maximum	0.538	0.431	µg/l
Standard deviation	0.0428	0.0129	µg/l
rel. standard deviation	9.67	3.07	%
n	9	6	-

Graphical presentation of results

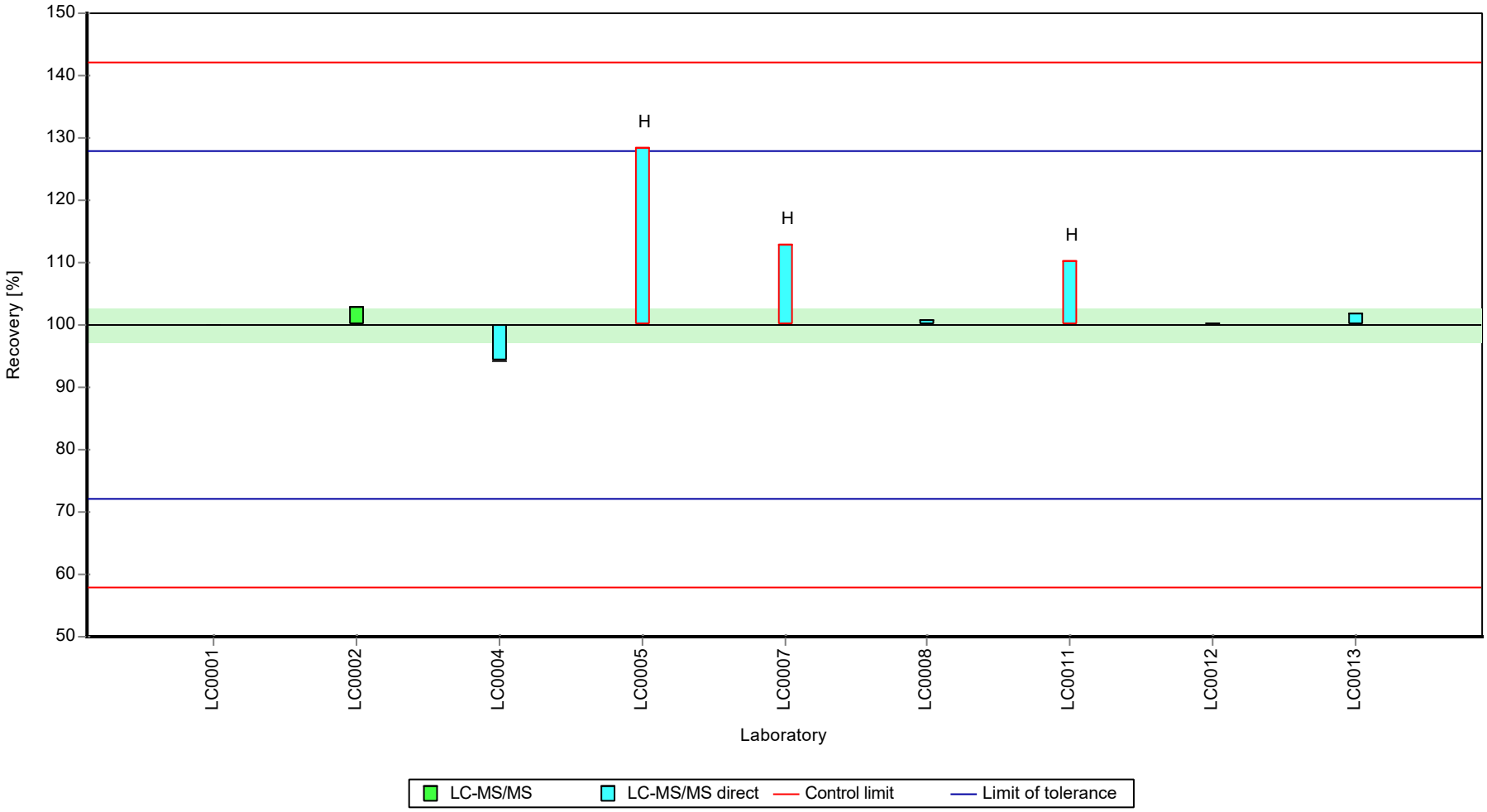
Results



Parameter oriented report Pesticides H117

Sample: H117A, Parameter: Bromacil

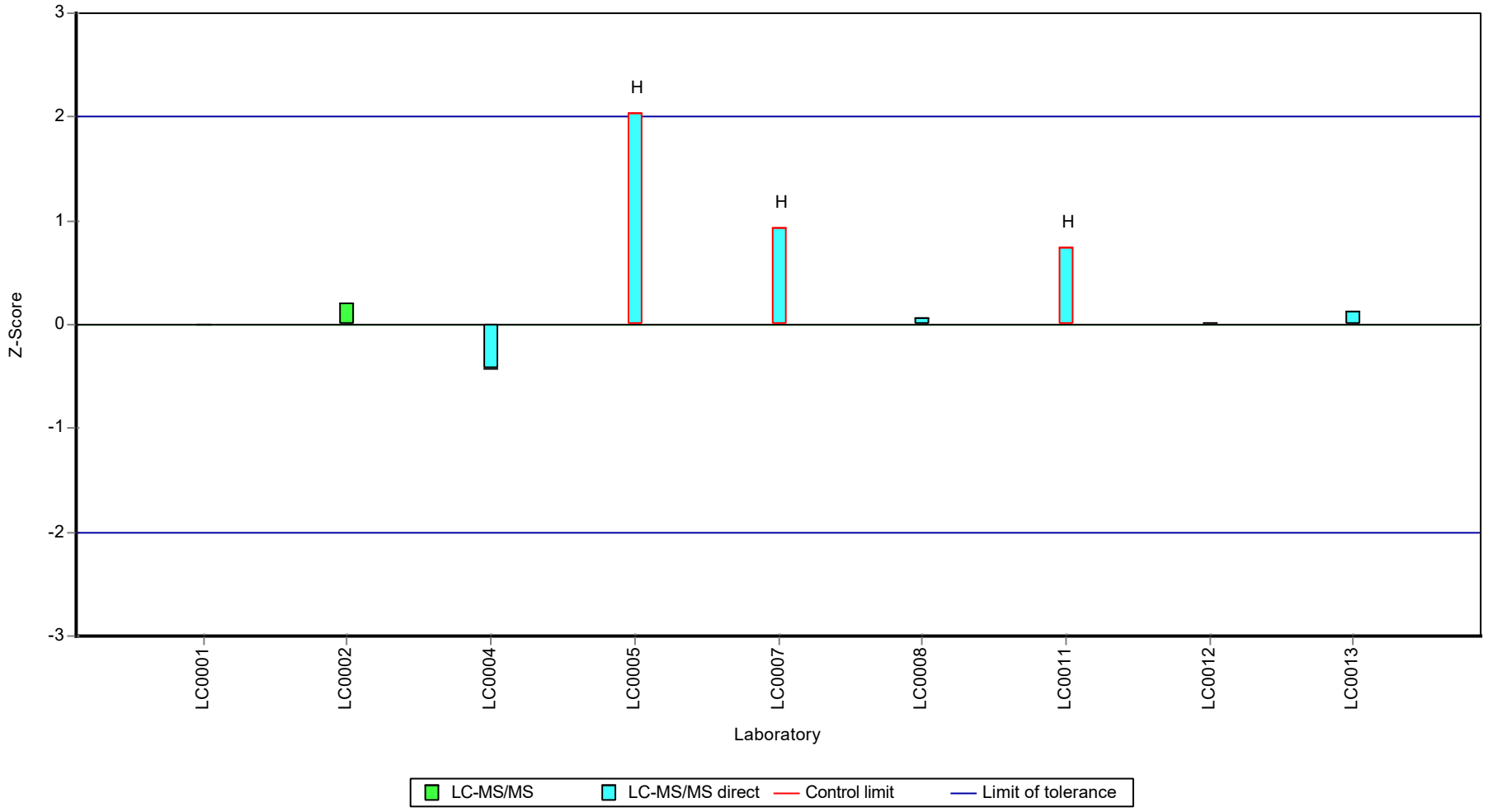
Recovery rate



Parameter oriented report Pesticides H117

Sample: H117A, Parameter: Bromacil

Z-score



Parameter oriented report

H117 B

Bromacil

Unit	µg/l
Assigned value ± U (k=2)	1.19 ± 0.126
Criterion	0.166 (14 %)
Minimum - Maximum	1 - 1.42
Control test value ± U (k=2)	1.04 ± 0.208

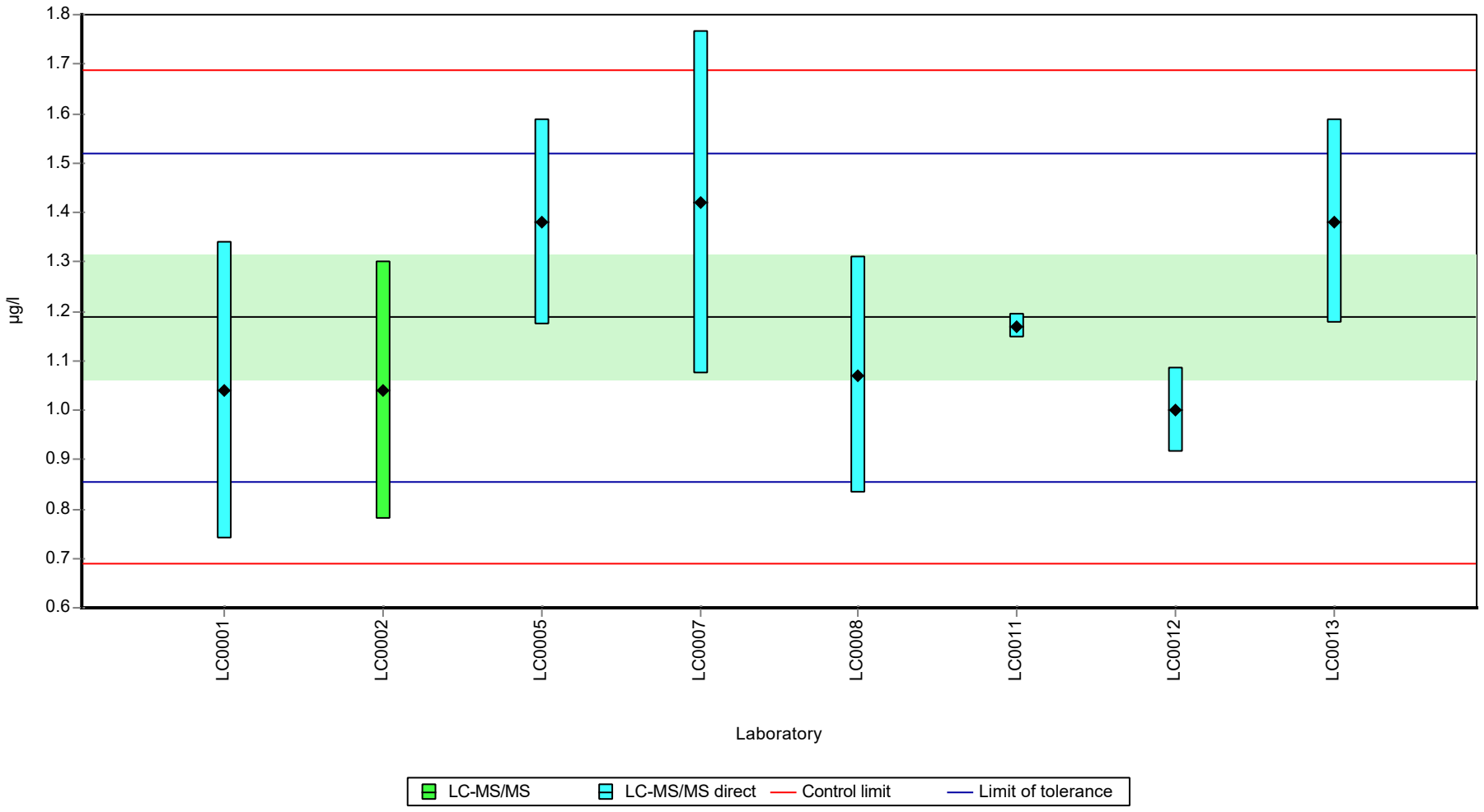
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	1.039	0.3	87.5	-0.89	
LC0002	1.04	0.26	87.6	-0.89	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	1.38	0.207	116	1.16	
LC0006	-	-	-	-	
LC0007	1.42	0.34776	120	1.4	
LC0008	1.07	0.24	90.1	-0.71	
LC0009	-	-	-	-	
LC0010	-	-	-	-	
LC0011	1.17	0.025	98.5	-0.11	
LC0012	1	0.087	84.2	-1.13	
LC0013	1.381	0.207	116	1.16	
LC0014	-	-	-	-	
LC0015	-	-	-	-	
LC0016	-	-	-	-	
LC0017	-	-	-	-	

Characteristics of parameter

	all results	w ithout outliers	Unit
Mean ± Cl (99%)	1.19 ± 0.189	1.19 ± 0.189	µg/l
Minimum	1	1	µg/l
Maximum	1.42	1.42	µg/l
Standard deviation	0.178	0.178	µg/l
rel. standard deviation	15	15	%
n	8	8	-

Graphical presentation of results

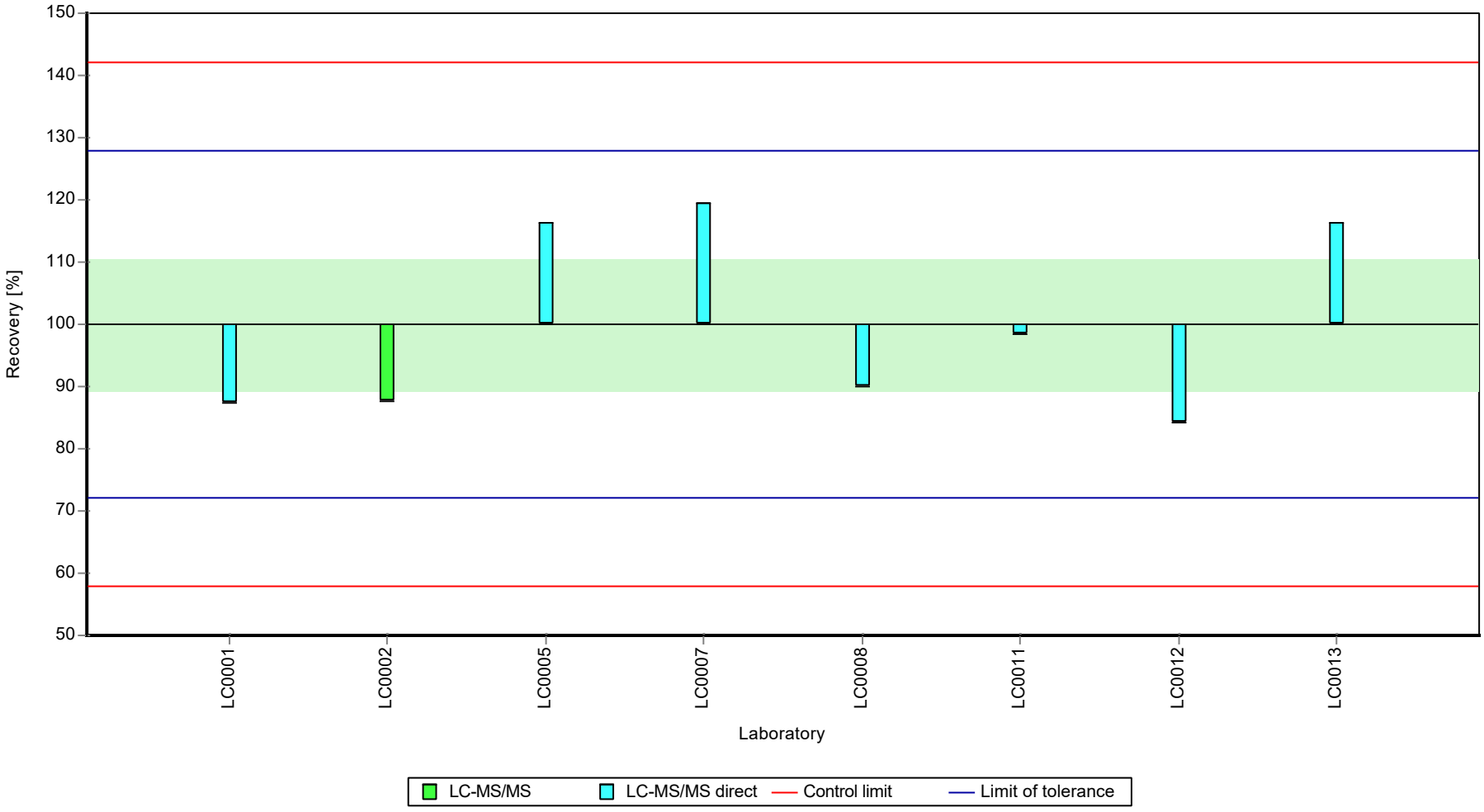
Results



Parameter oriented report Pesticides H117

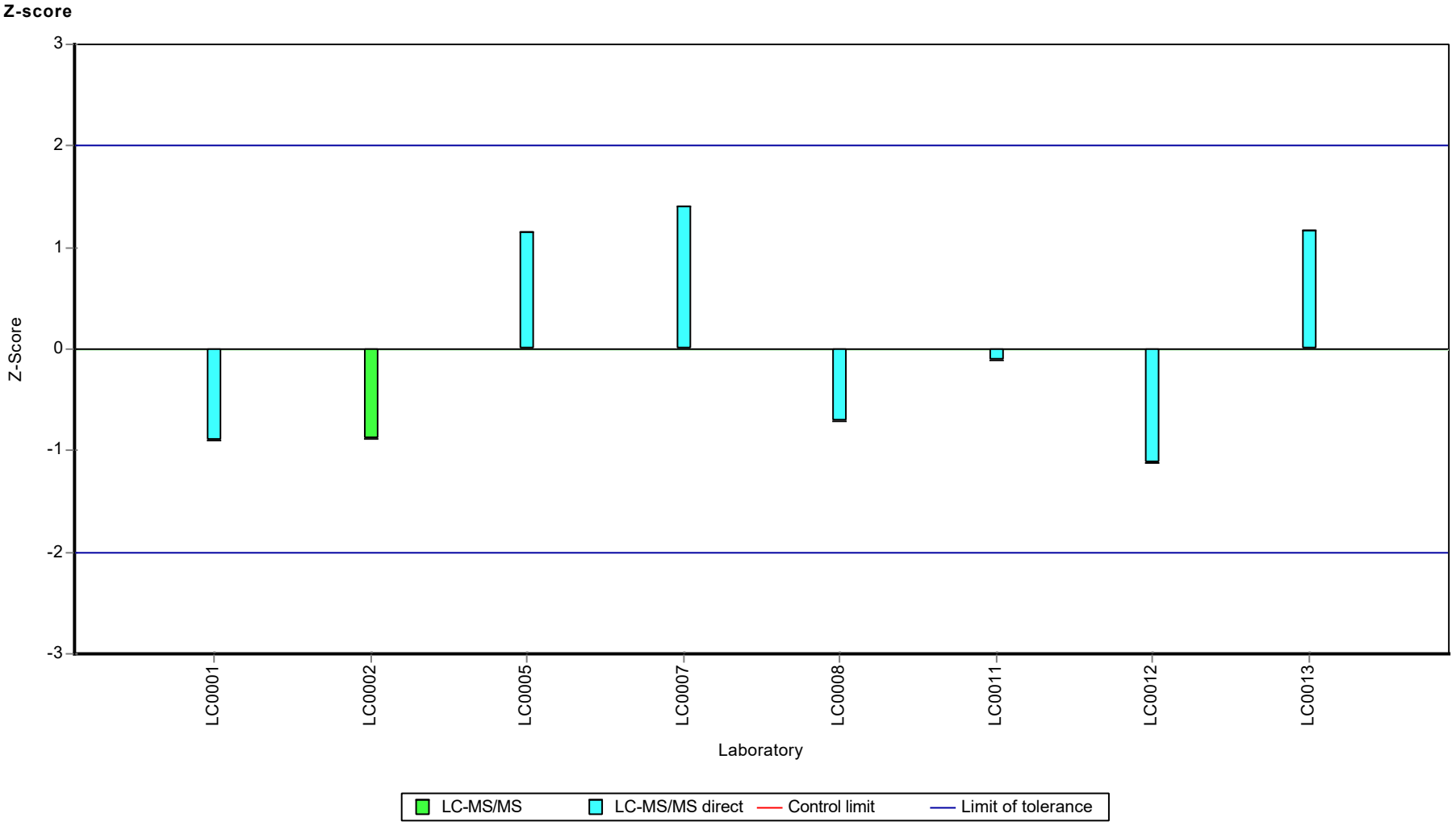
Sample: H117B, Parameter: Bromacil

Recovery rate



Parameter oriented report Pesticides H117

Sample: H117B, Parameter: Bromacil



Parameter oriented report

H117 A

Clothianidin

Unit	µg/l
Assigned value ± U (k=2)	0.195 ± 0.00864
Criterion	0.0215 (11 %)
Minimum - Maximum	0.174 - 0.223
Control test value ± U (k=2)	0.222 ± 0.0333

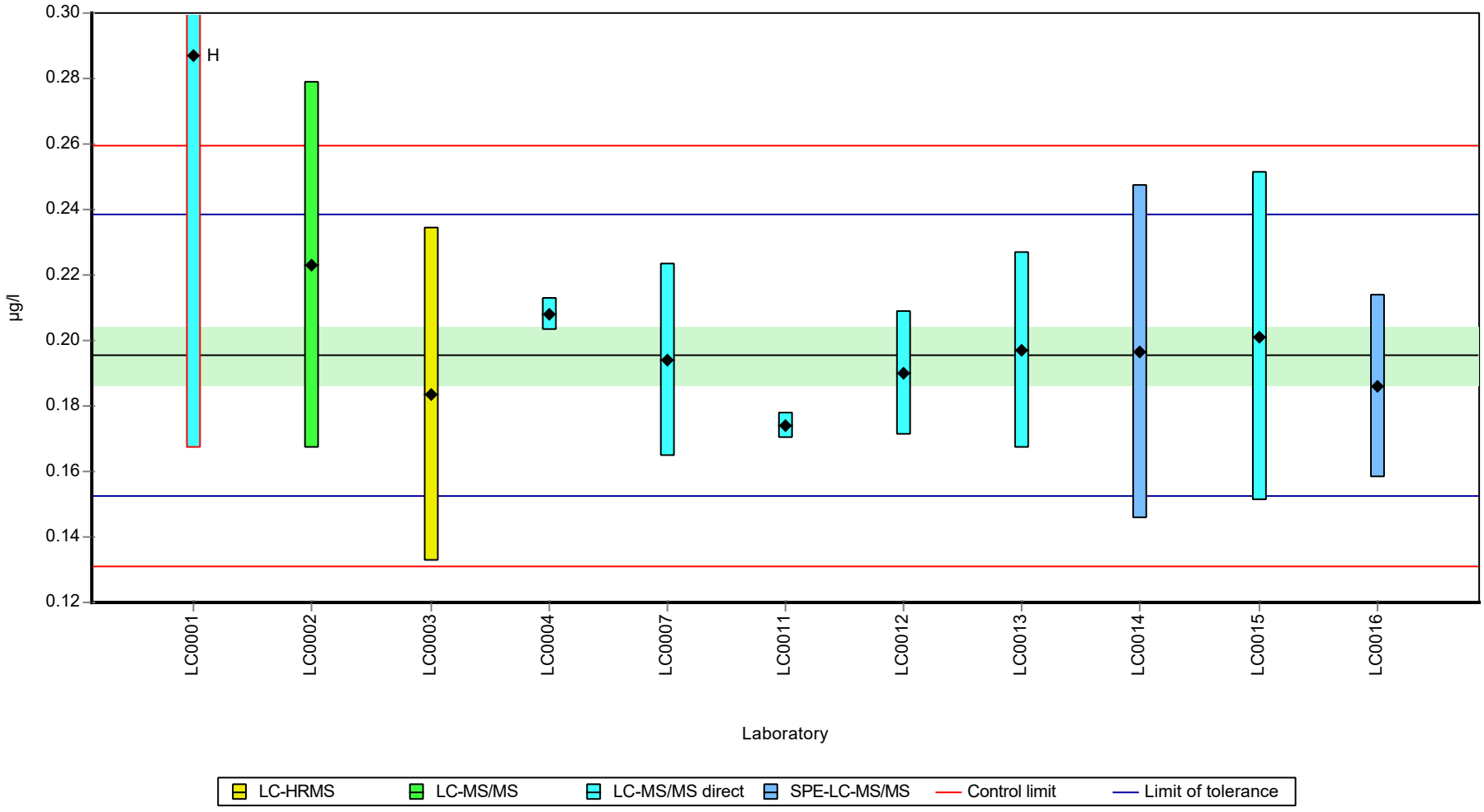
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.287	0.12	147	4.27	H
LC0002	0.223	0.056	114	1.29	
LC0003	0.1834	0.051	93.9	-0.55	
LC0004	0.208	0.005	107	0.59	
LC0005	-	-	-	-	
LC0006	-	-	-	-	
LC0007	0.194	0.02964	99.3	-0.06	
LC0008	-	-	-	-	
LC0009	-	-	-	-	
LC0010	-	-	-	-	
LC0011	0.174	0.004	89.1	-0.99	
LC0012	0.19	0.019	97.3	-0.25	
LC0013	0.197	0.03	101	0.08	
LC0014	0.1964	0.051	101	0.05	
LC0015	0.2011	0.0503	103	0.27	
LC0016	0.186	0.028	95.2	-0.43	
LC0017	-	-	-	-	

Characteristics of parameter

	all results	w ithout outliers	Unit
Mean ± Cl (99%)	0.204 ± 0.0276	0.195 ± 0.013	µg/l
Minimum	0.174	0.174	µg/l
Maximum	0.287	0.223	µg/l
Standard deviation	0.0305	0.0137	µg/l
rel. standard deviation	15	6.99	%
n	11	10	-

Graphical presentation of results

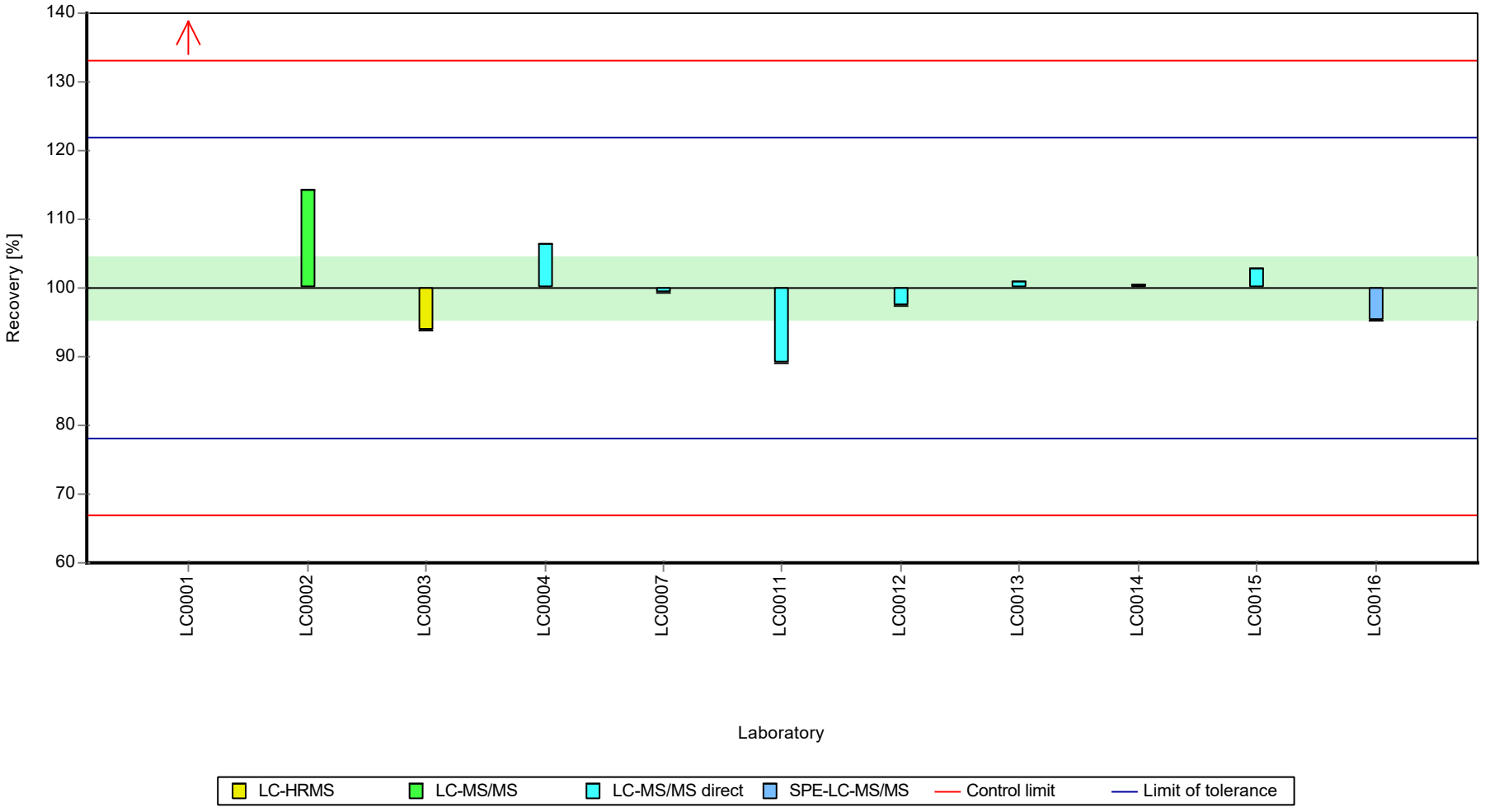
Results



Parameter oriented report Pesticides H117

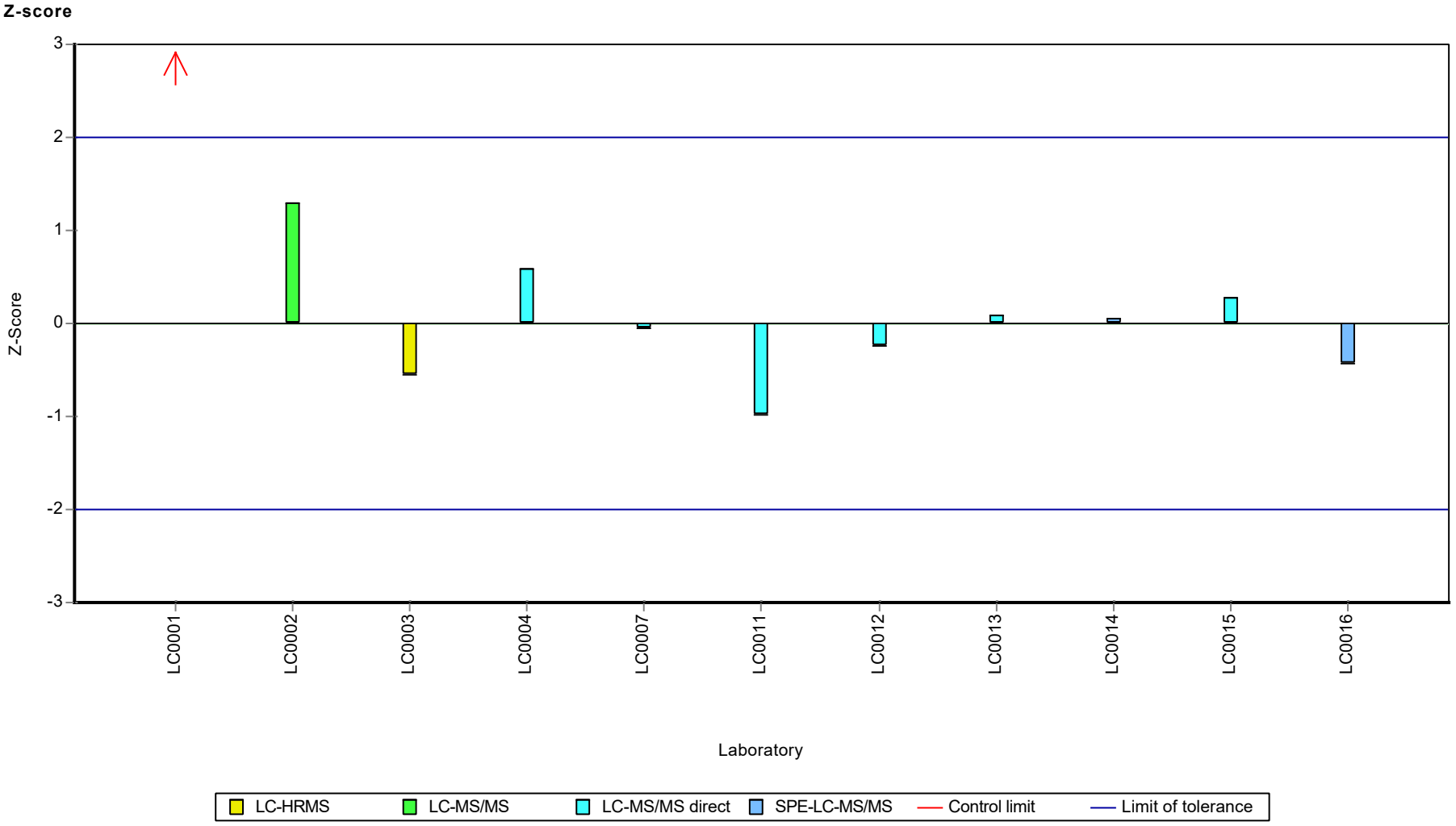
Sample: H117A, Parameter: Clothianidin

Recovery rate



Parameter oriented report Pesticides H117

Sample: H117A, Parameter: Clothianidin



Parameter oriented report

H117 B

Clothianidin

Unit	µg/l
Assigned value ± U (k=2)	2.03 ± 0.138
Criterion	0.223 (11 %)
Minimum - Maximum	1.68 - 2.28
Control test value ± U (k=2)	1.98 ± 0.297

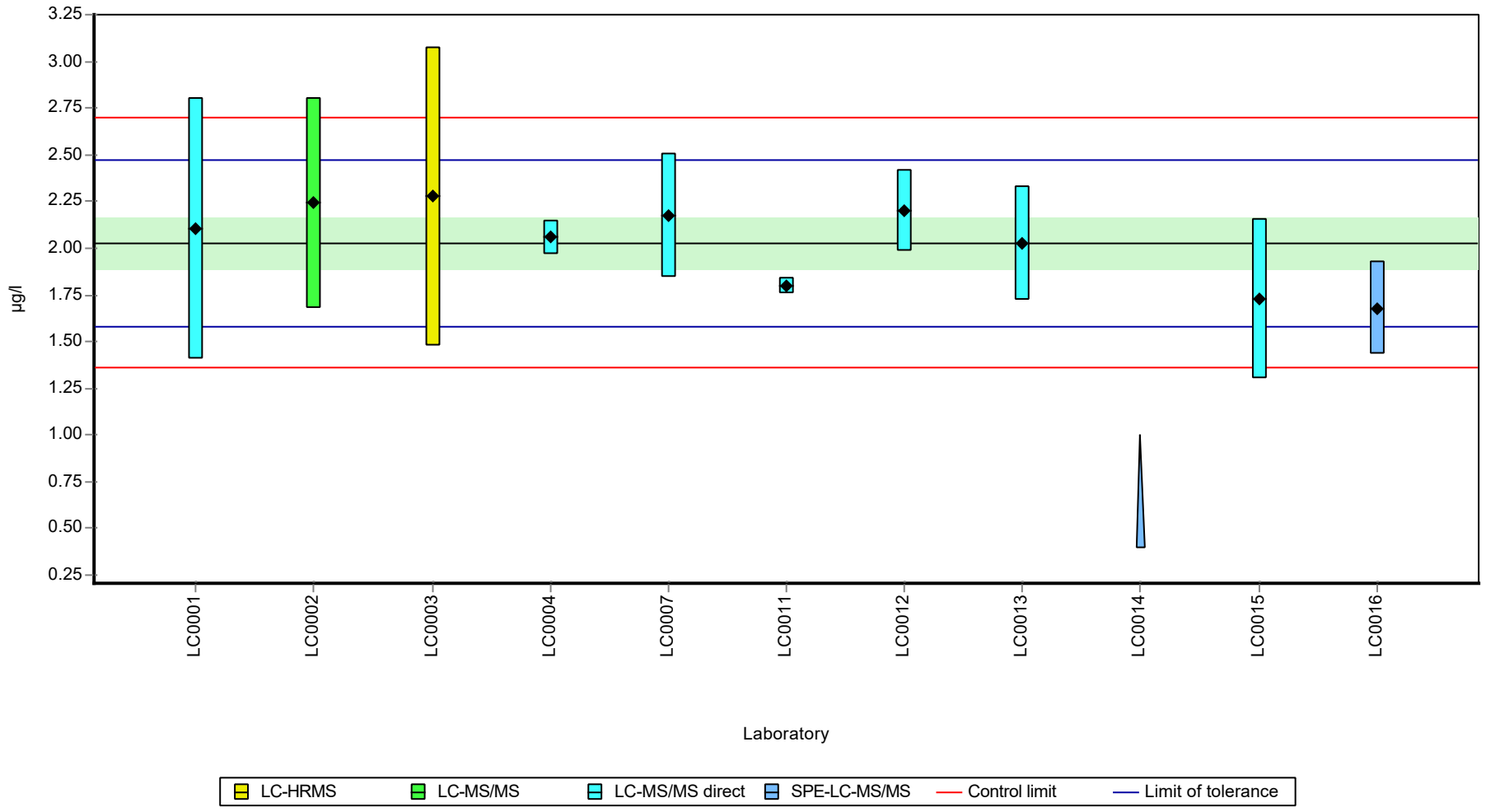
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	2.107	0.7	104	0.35	
LC0002	2.24	0.56	110	0.95	
LC0003	2.2778	0.7995	112	1.11	
LC0004	2.06	0.092	102	0.14	
LC0005	-	-	-	-	
LC0006	-	-	-	-	
LC0007	2.174	0.33219	107	0.65	
LC0008	-	-	-	-	
LC0009	-	-	-	-	
LC0010	-	-	-	-	
LC0011	1.8	0.045	88.7	-1.03	
LC0012	2.2	0.222	108	0.77	
LC0013	2.024	0.307	99.8	-0.02	
LC0014	>0.4	-	-	-	
LC0015	1.7279	0.432	85.2	-1.35	
LC0016	1.68	0.25	82.8	-1.56	
LC0017	-	-	-	-	

Characteristics of parameter

	all results	w ithout outliers	Unit
Mean ± CI (99%)	2.03 ± 0.207	2.03 ± 0.207	µg/l
Minimum	1.68	1.68	µg/l
Maximum	2.28	2.28	µg/l
Standard deviation	0.218	0.218	µg/l
rel. standard deviation	10.8	10.8	%
n	10	10	-

Graphical presentation of results

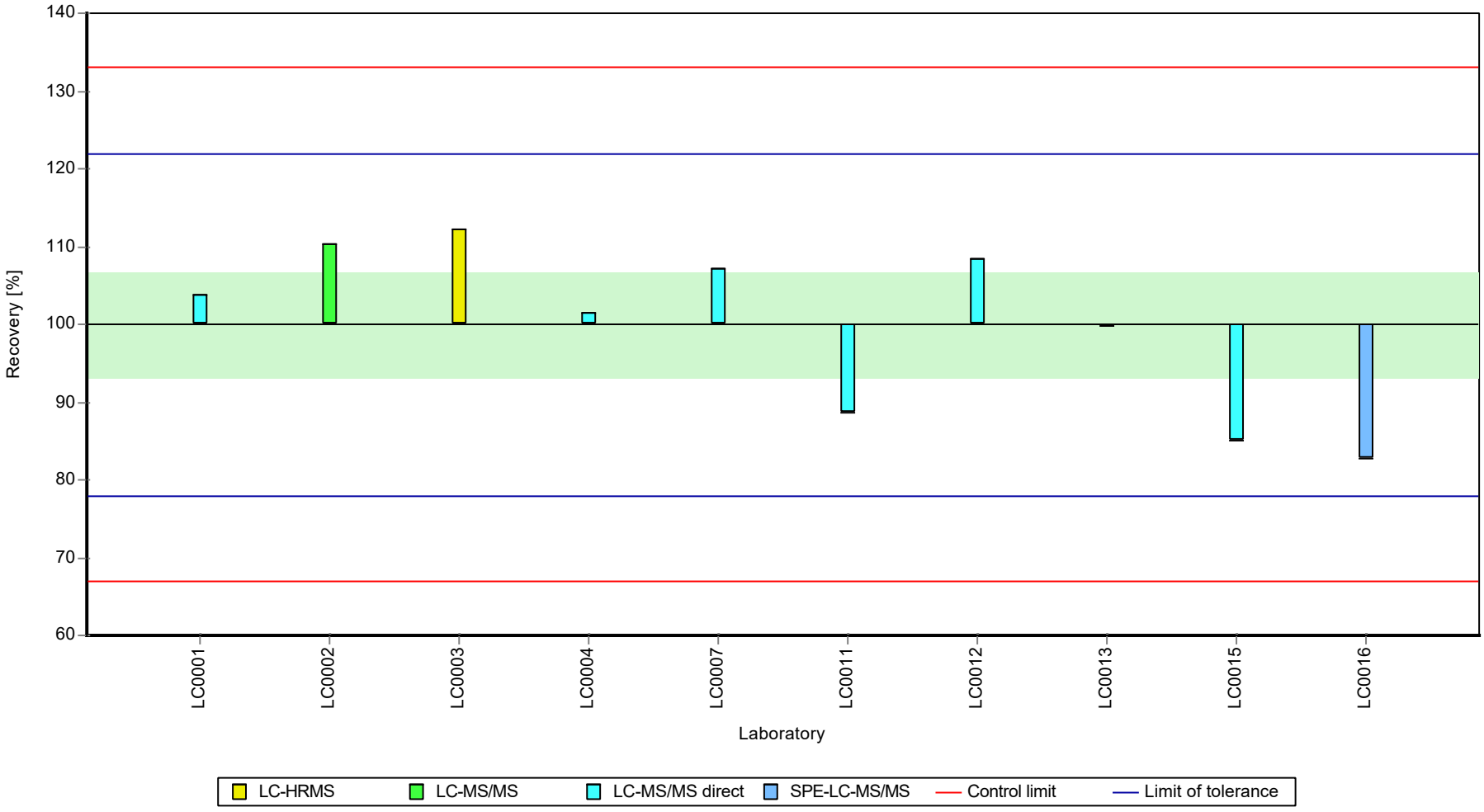
Results



Parameter oriented report Pesticides H117

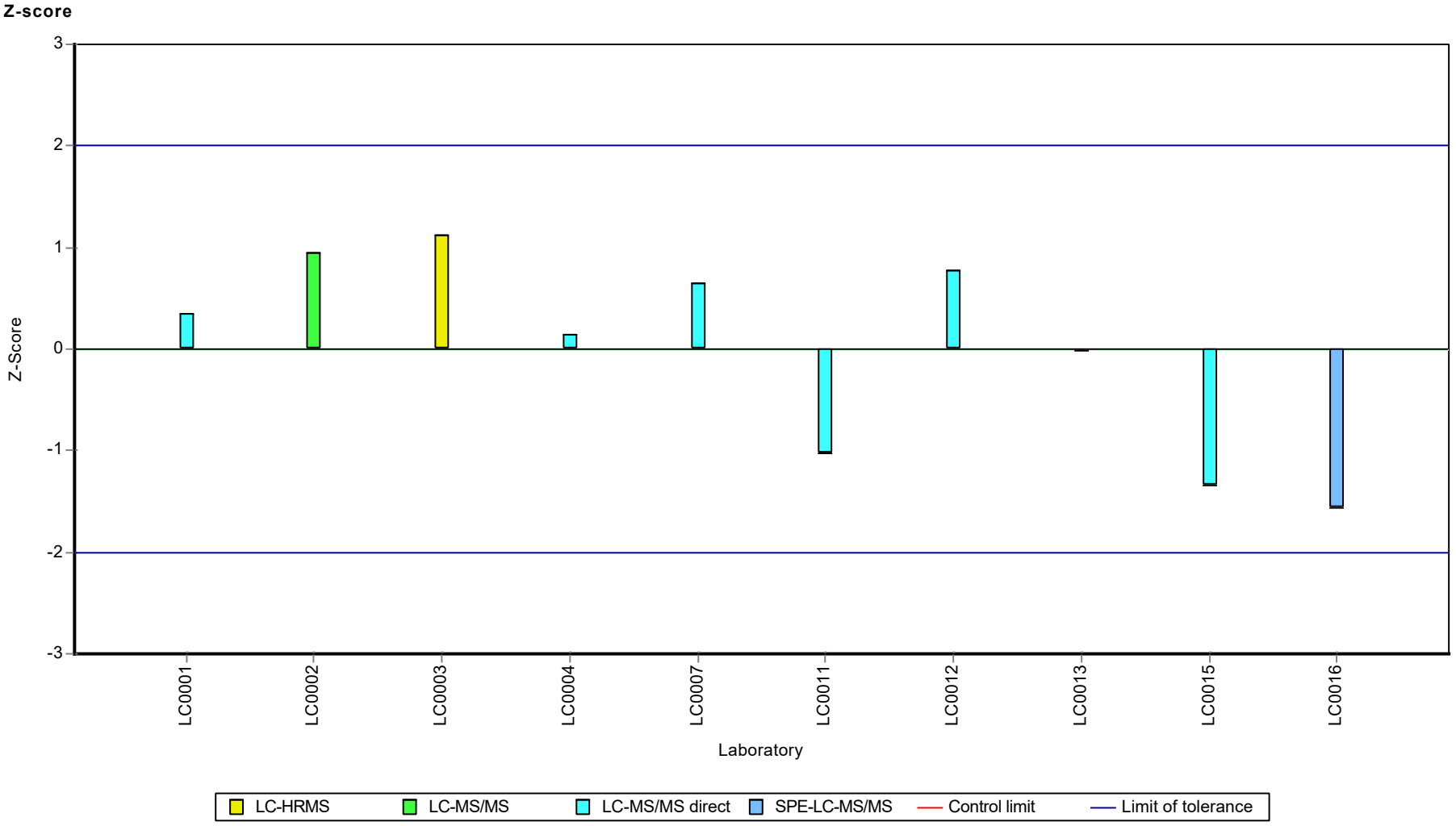
Sample: H117B, Parameter: Clothianidin

Recovery rate



Parameter oriented report Pesticides H117

Sample: H117B, Parameter: Clothianidin



Parameter oriented report

H117 A

Cyanazine***

Unit	µg/l
Assigned value ± U (k=2)	-
Criterion	-
Minimum - Maximum	0.237 - 0.262
Control test value ± U (k=2)	0.271 ± 0.0947

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

This can be used for comparison as part of your internal QA measures: MV(n=4, accr.) +/- U(k=2): 0.248 +/- 0.0105 µg/l

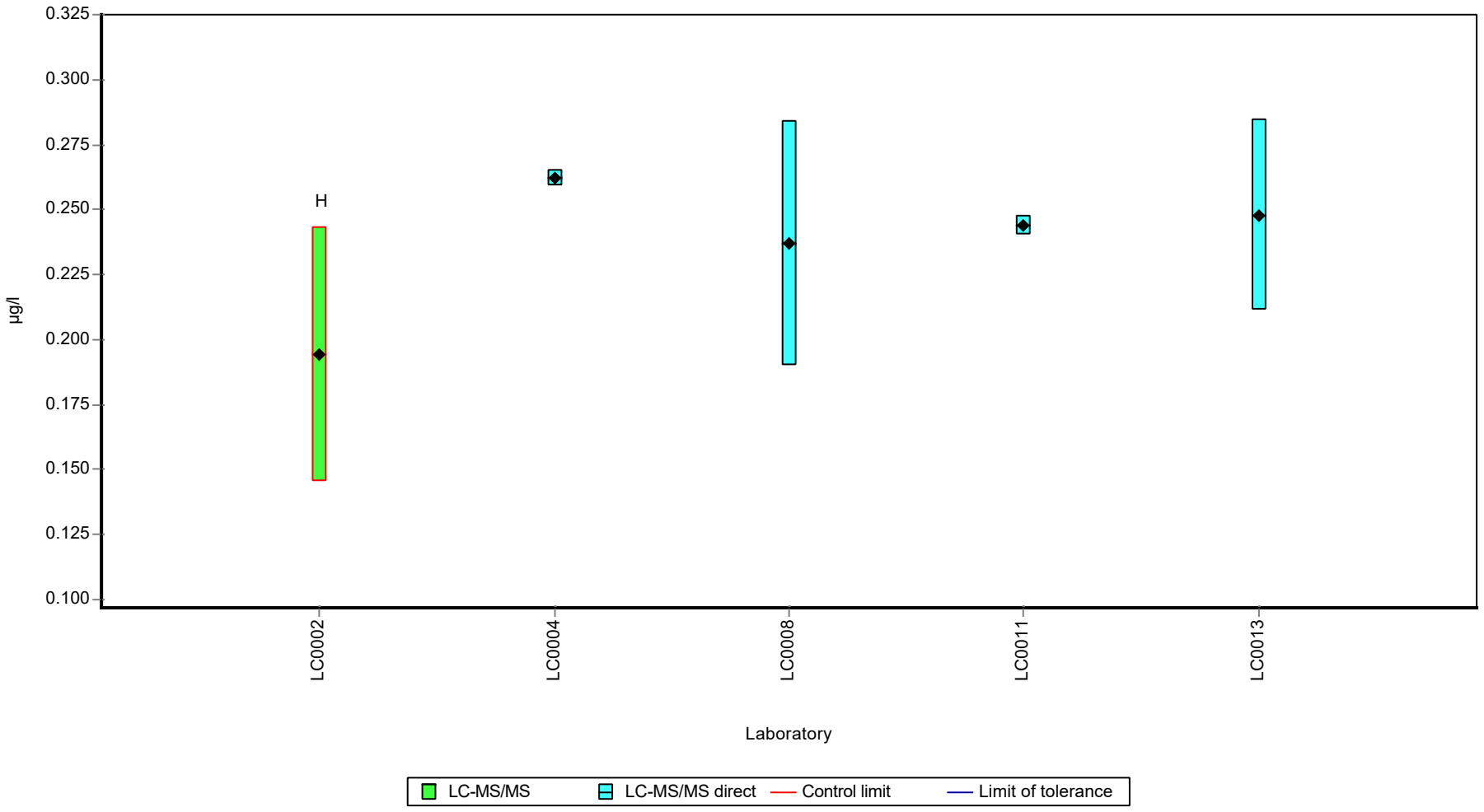
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	0.194	0.049	-	-	H
LC0003	-	-	-	-	
LC0004	0.262	0.003	-	-	
LC0005	-	-	-	-	
LC0006	-	-	-	-	
LC0007	-	-	-	-	
LC0008	0.237	0.047	-	-	
LC0009	-	-	-	-	
LC0010	-	-	-	-	
LC0011	0.244	0.004	-	-	
LC0012	-	-	-	-	
LC0013	0.248	0.037	-	-	
LC0014	-	-	-	-	
LC0015	-	-	-	-	
LC0016	-	-	-	-	
LC0017	-	-	-	-	

Characteristics of parameter

	all results	w ithout outliers	Unit
Mean ± Cl (99%)	0.237 ± 0.0345	-	µg/l
Minimum	0.194	0.237	µg/l
Maximum	0.262	0.262	µg/l
Standard deviation	0.0257	-	µg/l
rel. standard deviation	10.8	-	%
n	5	4	-

Graphical presentation of results

Results



Parameter oriented report

H117 B

Cyanazine***

Unit	µg/l
Assigned value ± U (k=2)	-
Criterion	-
Minimum - Maximum	1.99 - 2.09
Control test value ± U (k=2)	1.82 ± 0.637

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

This can be used for comparison as part of your internal QA measures: MV(n=4, accr.) +/- U(k=2): 2.03 +/- 0.044 µg/l

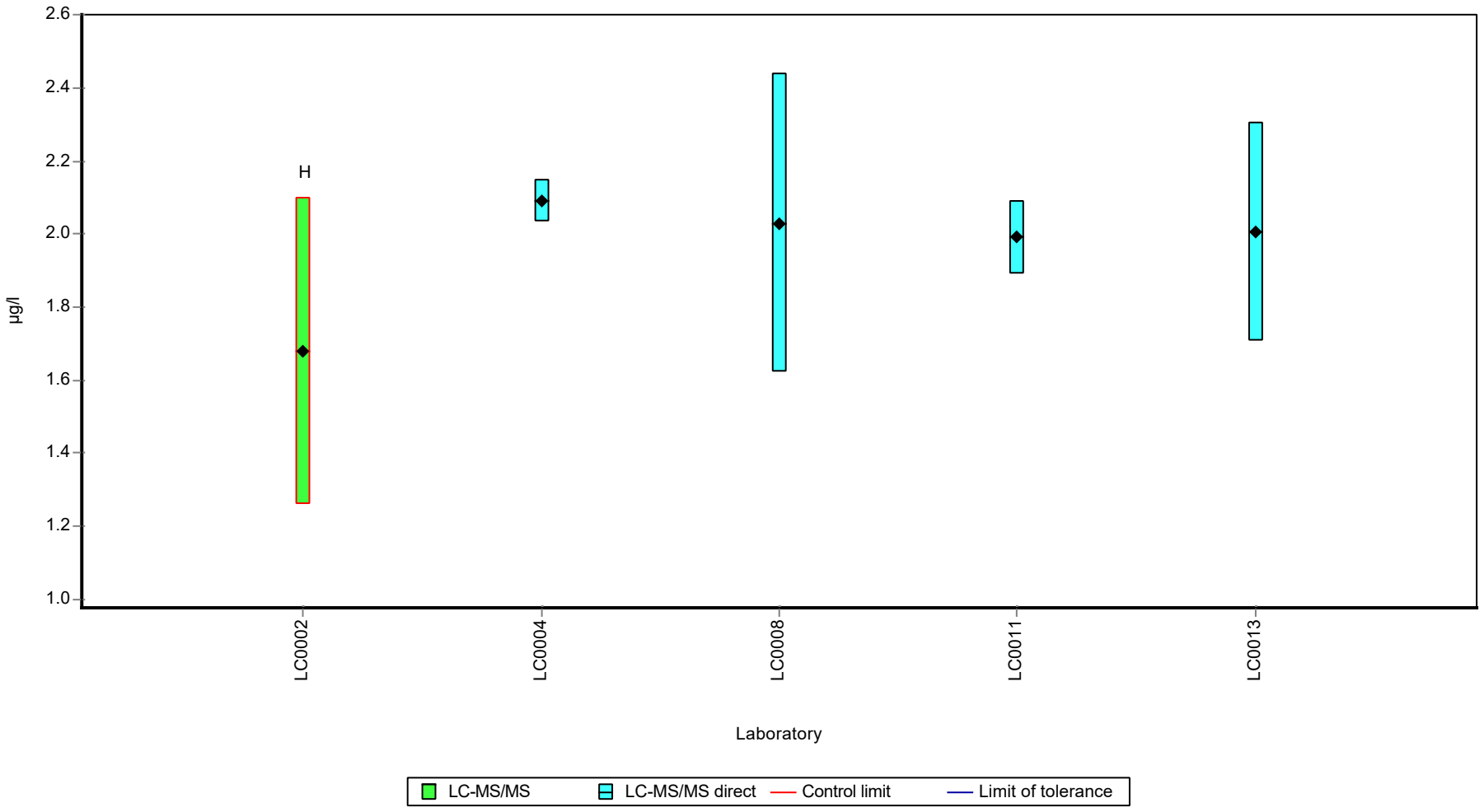
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	1.68	0.42	-	-	H
LC0003	-	-	-	-	
LC0004	2.09	0.057	-	-	
LC0005	-	-	-	-	
LC0006	-	-	-	-	
LC0007	-	-	-	-	
LC0008	2.03	0.41	-	-	
LC0009	-	-	-	-	
LC0010	-	-	-	-	
LC0011	1.99	0.1	-	-	
LC0012	-	-	-	-	
LC0013	2.005	0.301	-	-	
LC0014	-	-	-	-	
LC0015	-	-	-	-	
LC0016	-	-	-	-	
LC0017	-	-	-	-	

Characteristics of parameter

	all results	w ithout outliers	Unit
Mean ± Cl (99%)	1.96 ± 0.215	-	µg/l
Minimum	1.68	1.99	µg/l
Maximum	2.09	2.09	µg/l
Standard deviation	0.161	-	µg/l
rel. standard deviation	8.2	-	%
n	5	4	-

Graphical presentation of results

Results



Parameter oriented report

H117 A

Dieldrin*

Unit	µg/l
Assigned value ± U (k=2)	-
Criterion	-
Minimum - Maximum	0.184 - 0.218
Control test value ± U (k=2)	0.323 ± 0.0647

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

This can be used for comparison as part of your internal QA measures: MV(n=5) +/- U(k=2): 0.207 +/- 0.0122 µg/l

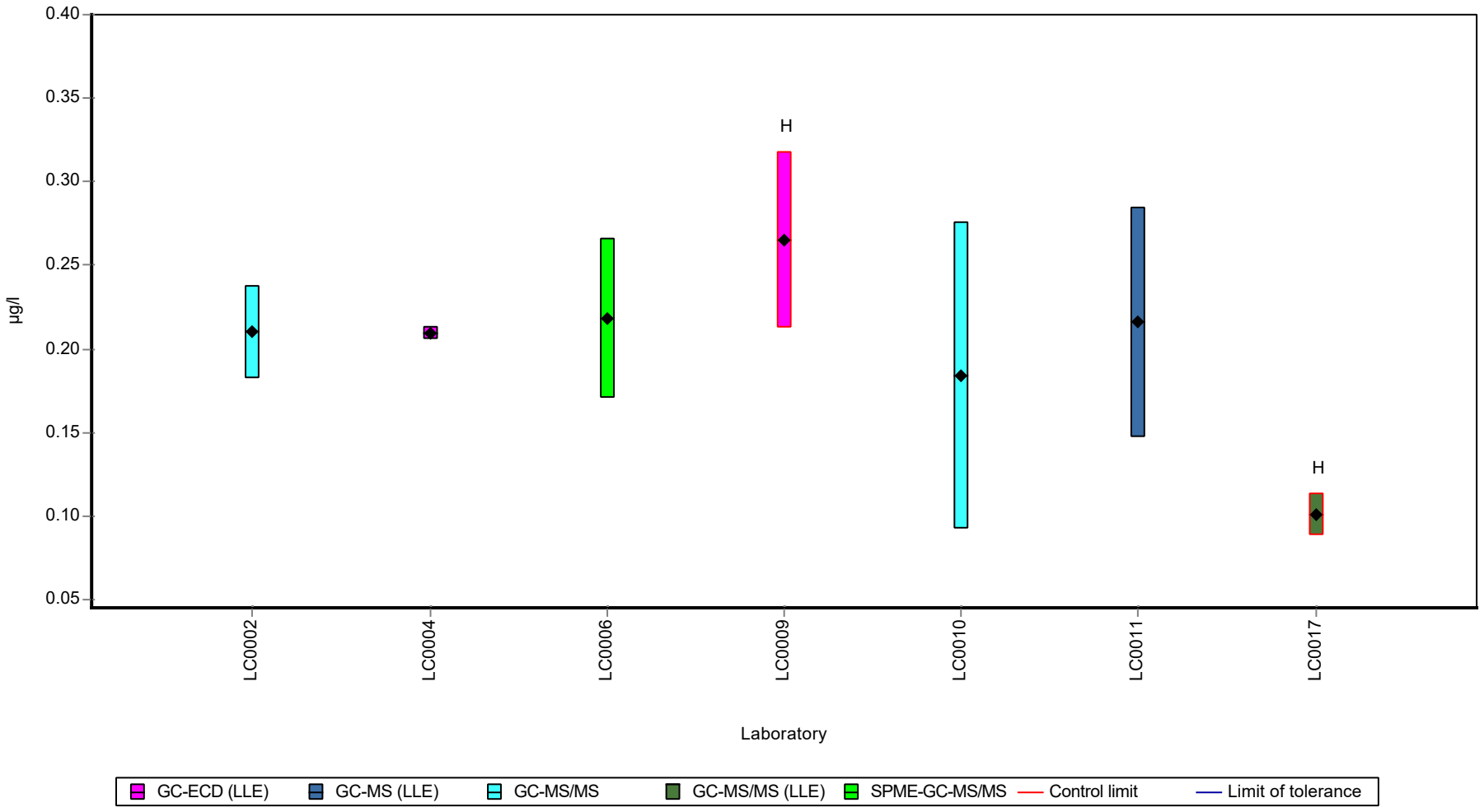
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	0.21	0.028	-	-	
LC0003	-	-	-	-	
LC0004	0.209	0.004	-	-	
LC0005	-	-	-	-	
LC0006	0.218	0.048	-	-	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	0.265	0.053	-	-	H
LC0010	0.184	0.092	-	-	
LC0011	0.216	0.069	-	-	
LC0012	-	-	-	-	
LC0013	-	-	-	-	
LC0014	-	-	-	-	
LC0015	-	-	-	-	
LC0016	-	-	-	-	
LC0017	0.101	0.0129	-	-	H

Characteristics of parameter

	all results	w ithout outliers	Unit
Mean ± Cl (99%)	0.2 ± 0.0568	-	µg/l
Minimum	0.101	0.184	µg/l
Maximum	0.265	0.218	µg/l
Standard deviation	0.0501	-	µg/l
rel. standard deviation	25	-	%
n	7	5	-

Graphical presentation of results

Results



Parameter oriented report

H117 B

Dieldrin*

Unit	µg/l
Assigned value ± U (k=2)	-
Criterion	-
Minimum - Maximum	0.393 - 0.531
Control test value ± U (k=2)	0.597 ± 0.119

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

This can be used for comparison as part of your internal QA measures: MV(n=6) +/- U(k=2): 0.444 +/- 0.0424 µg/l

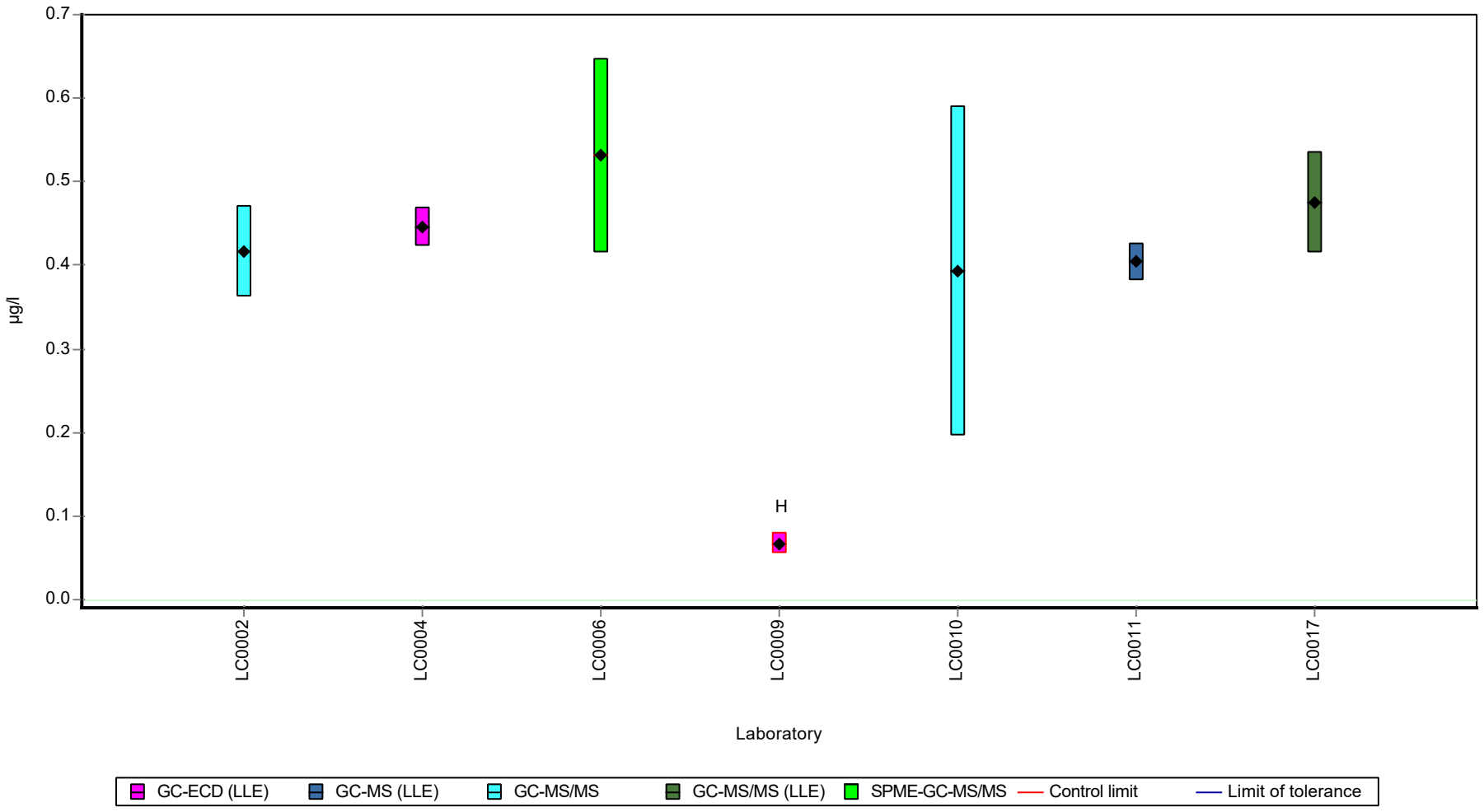
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	0.417	0.055	-	-	
LC0003	-	-	-	-	
LC0004	0.446	0.024	-	-	
LC0005	-	-	-	-	
LC0006	0.531	0.117	-	-	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	0.067	0.013	-	-	H
LC0010	0.393	0.197	-	-	
LC0011	0.404	0.023	-	-	
LC0012	-	-	-	-	
LC0013	-	-	-	-	
LC0014	-	-	-	-	
LC0015	-	-	-	-	
LC0016	-	-	-	-	
LC0017	0.475	0.0609	-	-	

Characteristics of parameter

	all results	w ithout outliers	Unit
Mean ± CI (99%)	0.39 ± 0.17	0.444 ± 0.0636	µg/l
Minimum	0.067	0.393	µg/l
Maximum	0.531	0.531	µg/l
Standard deviation	0.15	0.0519	µg/l
rel. standard deviation	38.5	11.7	%
n	7	6	-

Graphical presentation of results

Results



Parameter oriented report

H117 A

Dinotefurane*

Unit	µg/l
Assigned value ± U (k=2)	-
Criterion	-
Minimum - Maximum	0.29 - 0.367
Control test value ± U (k=2)	0.387 ± 0.0581

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

This can be used for comparison as part of your internal QA measures: MV(n=2) +/- U(k=2): 0.329 +/- 0.077 µg/l

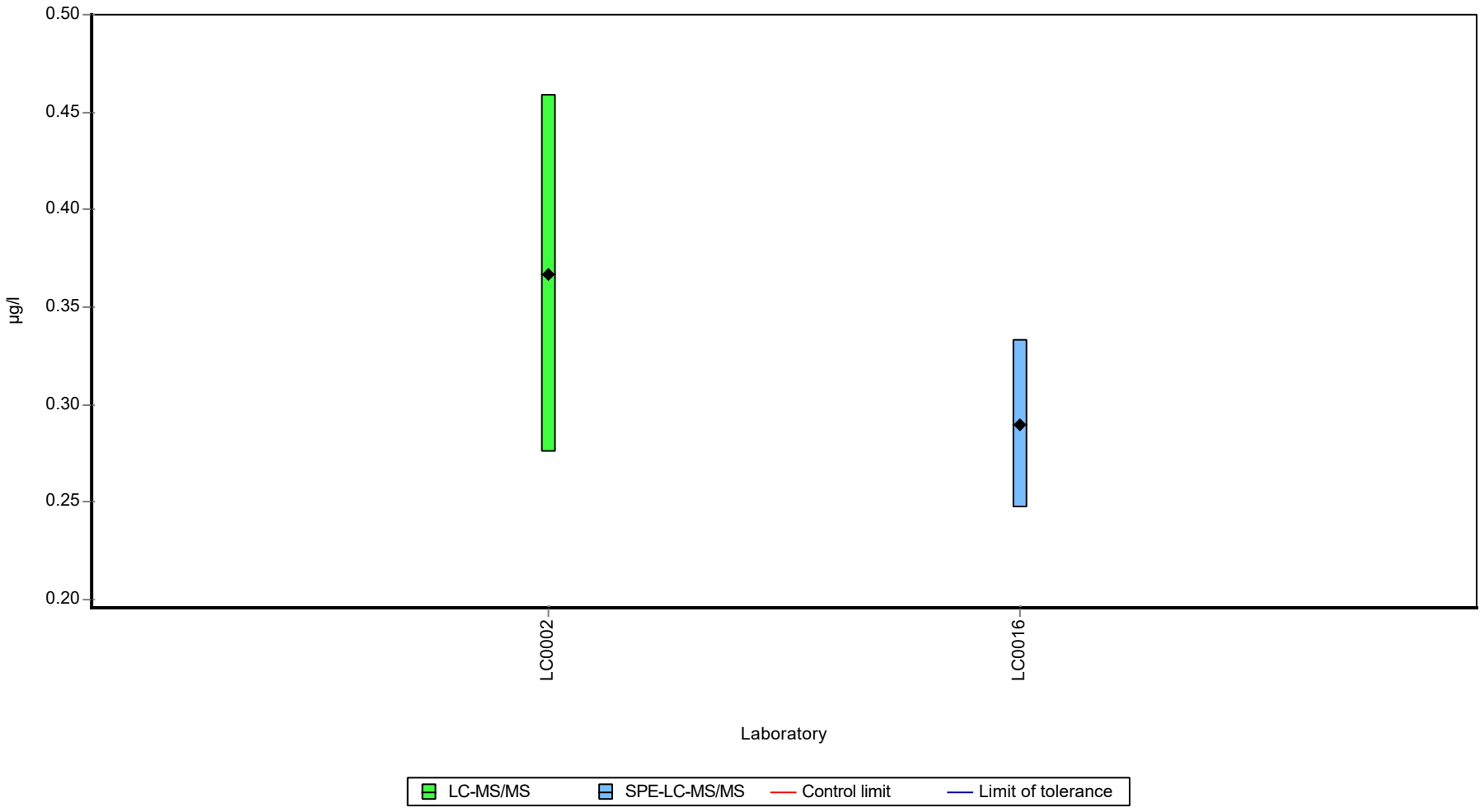
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	0.367	0.092	-	-	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	-	-	-	-	
LC0006	-	-	-	-	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	-	-	-	-	
LC0010	-	-	-	-	
LC0011	-	-	-	-	
LC0012	-	-	-	-	
LC0013	-	-	-	-	
LC0014	-	-	-	-	
LC0015	-	-	-	-	
LC0016	0.29	0.043	-	-	
LC0017	-	-	-	-	

Characteristics of parameter

	all results	w ithout outliers	Unit
Mean ± Cl (99%)	0.329 ± 0.115	-	µg/l
Minimum	0.29	0.29	µg/l
Maximum	0.367	0.367	µg/l
Standard deviation	0.0544	-	µg/l
rel. standard deviation	16.6	-	%
n	2	2	-

Graphical presentation of results

Results



Parameter oriented report

H117 B

Dinotefurane*

Unit	µg/l
Assigned value ± U (k=2)	-
Criterion	-
Minimum - Maximum	2.1 - 2.43
Control test value ± U (k=2)	2.13 ± 0.319

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

This can be used for comparison as part of your internal QA measures: MV(n=2) +/- U(k=2): 2.27 +/- 0.330 µg/l

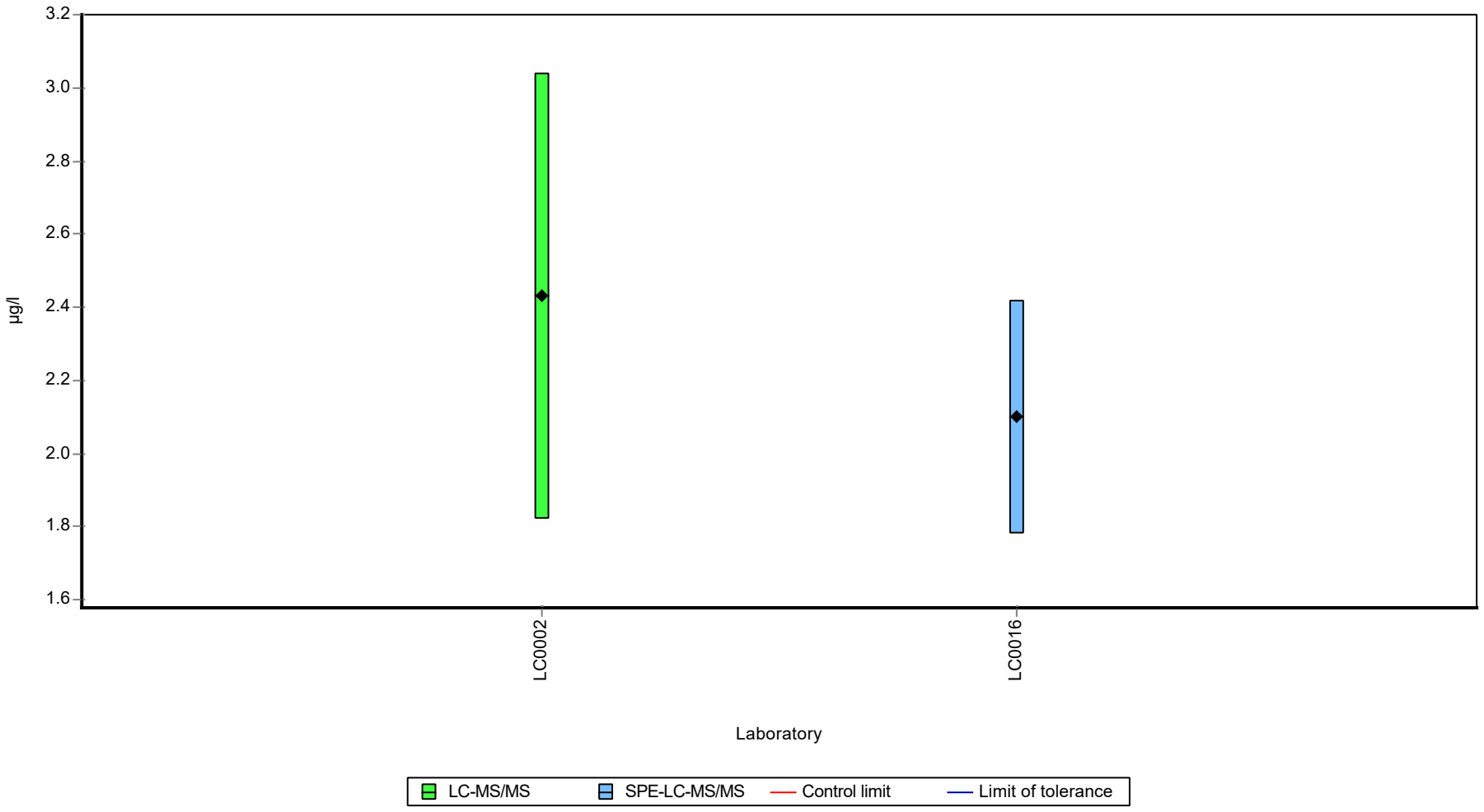
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	2.43	0.61	-	-	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	-	-	-	-	
LC0006	-	-	-	-	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	-	-	-	-	
LC0010	-	-	-	-	
LC0011	-	-	-	-	
LC0012	-	-	-	-	
LC0013	-	-	-	-	
LC0014	-	-	-	-	
LC0015	-	-	-	-	
LC0016	2.1	0.32	-	-	
LC0017	-	-	-	-	

Characteristics of parameter

	all results	w ithout outliers	Unit
Mean ± Cl (99%)	2.27 ± 0.495	-	µg/l
Minimum	2.1	2.1	µg/l
Maximum	2.43	2.43	µg/l
Standard deviation	0.233	-	µg/l
rel. standard deviation	10.3	-	%
n	2	2	-

Graphical presentation of results

Results



Parameter oriented report

H117 A

Endrin*

Unit	µg/l
Assigned value ± U (k=2)	-
Criterion	-
Minimum - Maximum	0.108 - 0.557
Control test value ± U (k=2)	0.415 ± 0.083

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

This can be used for comparison as part of your internal QA measures: MV(n=4) +/- U(k=2): 0.296 +/- 0.189 µg/l

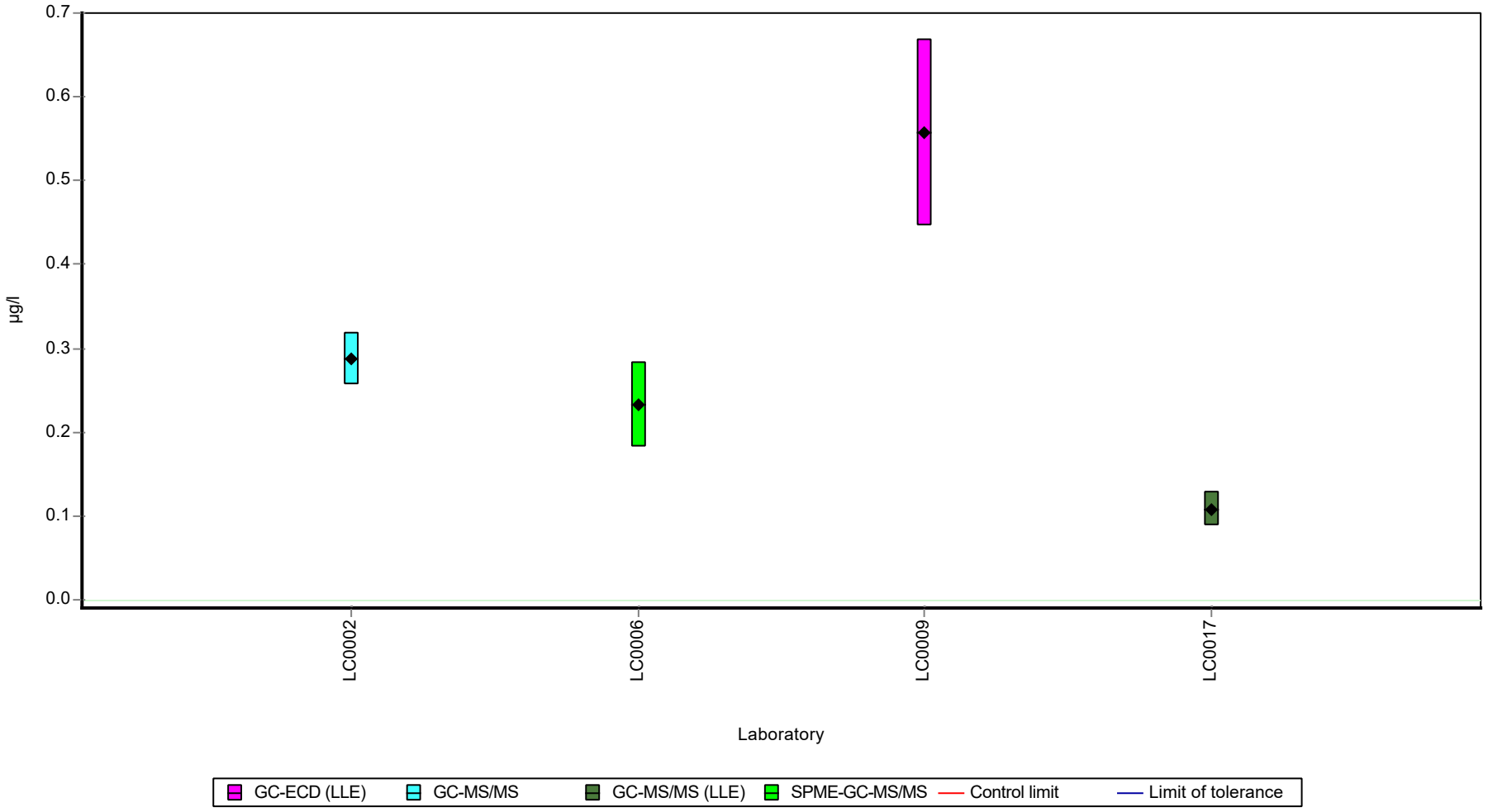
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	0.288	0.031	-	-	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	-	-	-	-	
LC0006	0.232	0.051	-	-	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	0.557	0.111	-	-	
LC0010	-	-	-	-	
LC0011	-	-	-	-	
LC0012	-	-	-	-	
LC0013	-	-	-	-	
LC0014	-	-	-	-	
LC0015	-	-	-	-	
LC0016	-	-	-	-	
LC0017	0.108	0.0202	-	-	

Characteristics of parameter

	all results	w ithout outliers	Unit
Mean ± CI (99%)	0.296 ± 0.284	-	µg/l
Minimum	0.108	0.108	µg/l
Maximum	0.557	0.557	µg/l
Standard deviation	0.189	-	µg/l
rel. standard deviation	63.9	-	%
n	4	4	-

Graphical presentation of results

Results



Parameter oriented report

H117 B

Endrin*

Unit	µg/l
Assigned value ± U (k=2)	-
Criterion	-
Minimum - Maximum	0.266 - 0.859
Control test value ± U (k=2)	1.02 ± 0.205

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

This can be used for comparison as part of your internal QA measures: MV(n=4) +/- U(k=2): 0.627 +/- 0.273 µg/l

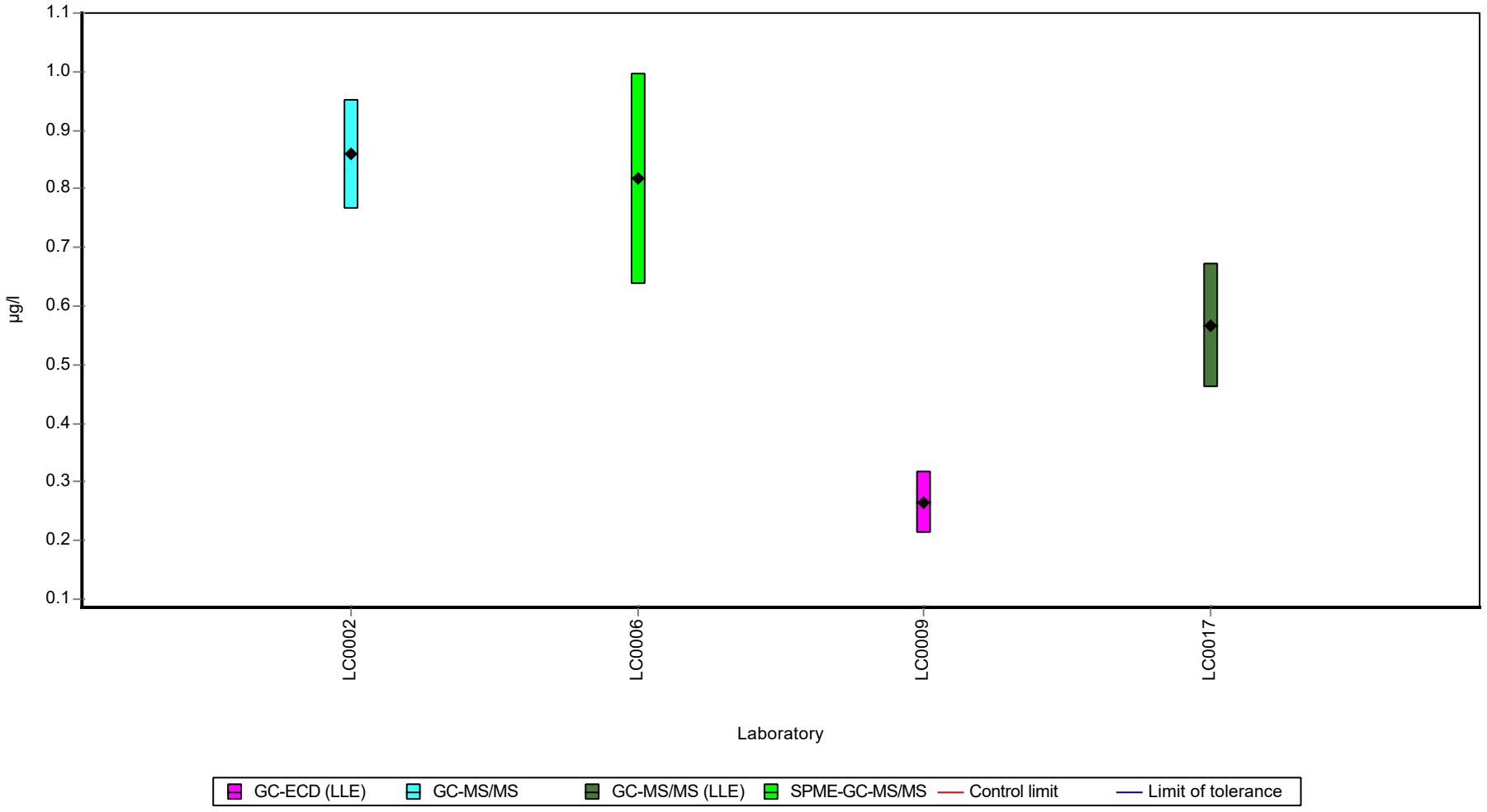
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	0.859	0.094	-	-	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	-	-	-	-	
LC0006	0.817	0.18	-	-	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	0.266	0.053	-	-	
LC0010	-	-	-	-	
LC0011	-	-	-	-	
LC0012	-	-	-	-	
LC0013	-	-	-	-	
LC0014	-	-	-	-	
LC0015	-	-	-	-	
LC0016	-	-	-	-	
LC0017	0.567	0.1061	-	-	

Characteristics of parameter

	all results	w ithout outliers	Unit
Mean ± Cl (99%)	0.627 ± 0.41	-	µg/l
Minimum	0.266	0.266	µg/l
Maximum	0.859	0.859	µg/l
Standard deviation	0.273	-	µg/l
rel. standard deviation	43.5	-	%
n	4	4	-

Graphical presentation of results

Results



Parameter oriented report

H117 A

Heptachlor*

Unit	µg/l
Assigned value ± U (k=2)	-
Criterion	-
Minimum - Maximum	0.157 - 0.216
Control test value ± U (k=2)	0.259 ± 0.104

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

This can be used for comparison as part of your internal QA measures: MV(n=4) +/- U(k=2): 0.179 +/- 0.0262 µg/l

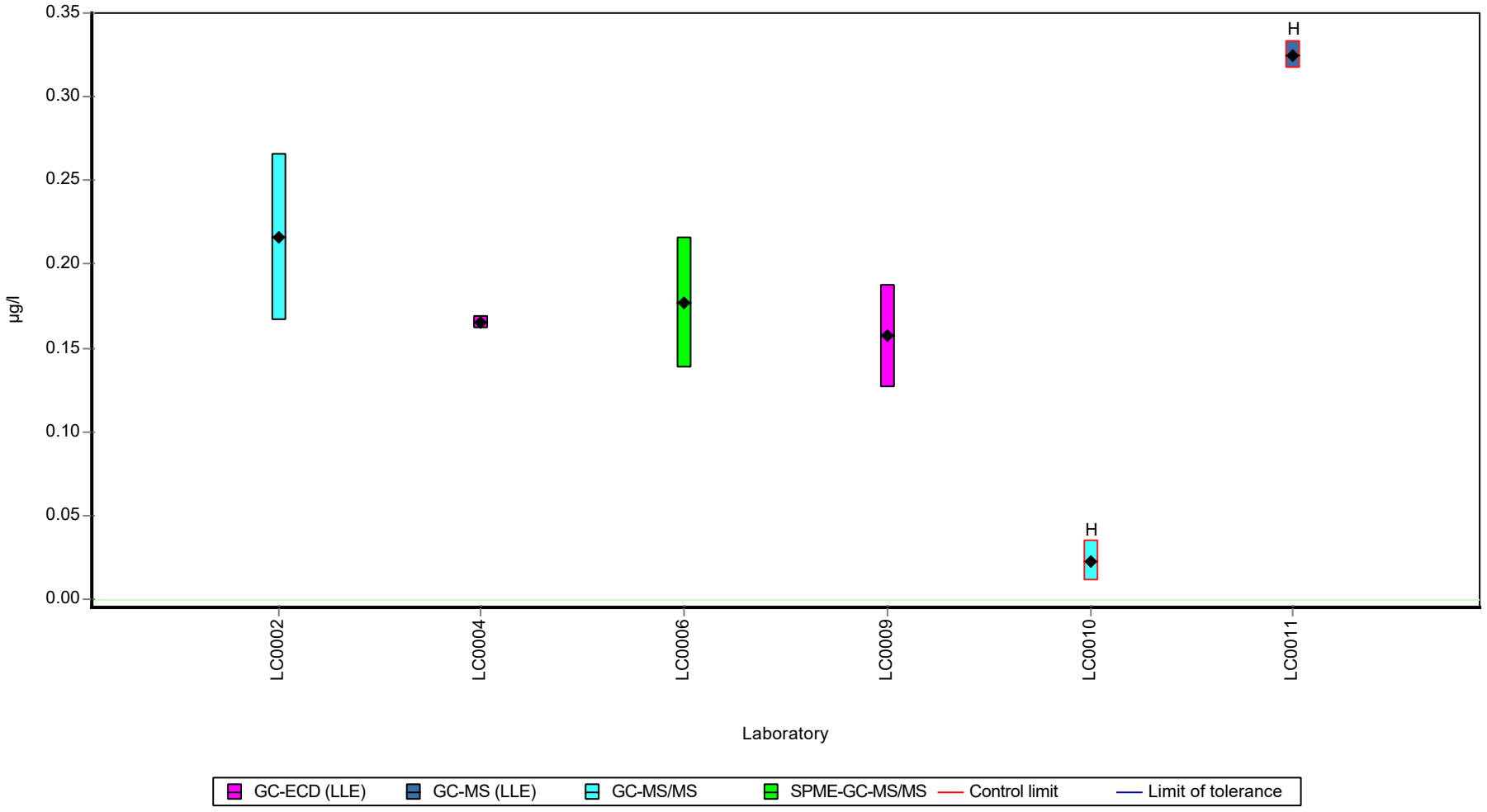
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	0.216	0.05	-	-	
LC0003	-	-	-	-	
LC0004	0.165	0.004	-	-	
LC0005	-	-	-	-	
LC0006	0.177	0.039	-	-	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	0.157	0.031	-	-	
LC0010	0.0228	0.012	-	-	H
LC0011	0.325	0.008	-	-	H
LC0012	-	-	-	-	
LC0013	-	-	-	-	
LC0014	-	-	-	-	
LC0015	-	-	-	-	
LC0016	-	-	-	-	
LC0017	-	-	-	-	

Characteristics of parameter

	all results	w ithout outliers	Unit
Mean ± Cl (99%)	0.177 ± 0.12	-	µg/l
Minimum	0.0228	0.157	µg/l
Maximum	0.325	0.216	µg/l
Standard deviation	0.0977	-	µg/l
rel. standard deviation	55.2	-	%
n	6	4	-

Graphical presentation of results

Results



Parameter oriented report

H117 B

Heptachlor*

Unit	µg/l
Assigned value ± U (k=2)	-
Criterion	-
Minimum - Maximum	0.395 - 0.726
Control test value ± U (k=2)	0.762 ± 0.305

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

This can be used for comparison as part of your internal QA measures: MV(n=4) +/- U(k=2): 0.595 +/- 0.157 µg/l

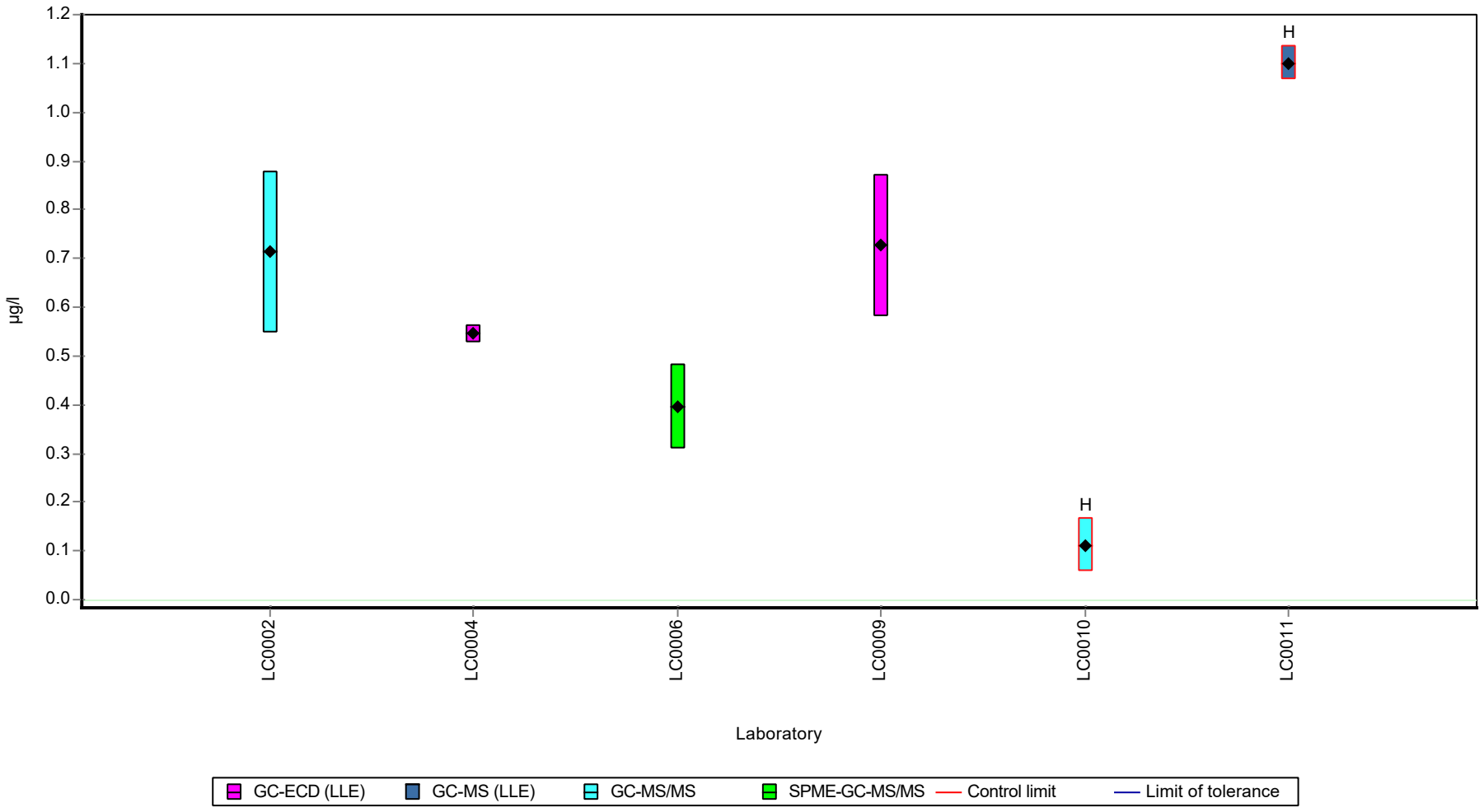
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	0.713	0.165	-	-	
LC0003	-	-	-	-	
LC0004	0.545	0.019	-	-	
LC0005	-	-	-	-	
LC0006	0.395	0.087	-	-	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	0.726	0.145	-	-	
LC0010	0.112	0.056	-	-	H
LC0011	1.1	0.035	-	-	H
LC0012	-	-	-	-	
LC0013	-	-	-	-	
LC0014	-	-	-	-	
LC0015	-	-	-	-	
LC0016	-	-	-	-	
LC0017	-	-	-	-	

Characteristics of parameter

	all results	w ithout outliers	Unit
Mean ± Cl (99%)	0.599 ± 0.411	-	µg/l
Minimum	0.112	0.395	µg/l
Maximum	1.1	0.726	µg/l
Standard deviation	0.335	-	µg/l
rel. standard deviation	56	-	%
n	6	4	-

Graphical presentation of results

Results



Parameter oriented report

H117 A

Imidacloprid

Unit	µg/l
Assigned value ± U (k=2)	0.212 ± 0.00461
Criterion	0.0319 (15 %)
Minimum - Maximum	0.202 - 0.223
Control test value ± U (k=2)	0.200 ± 0.05

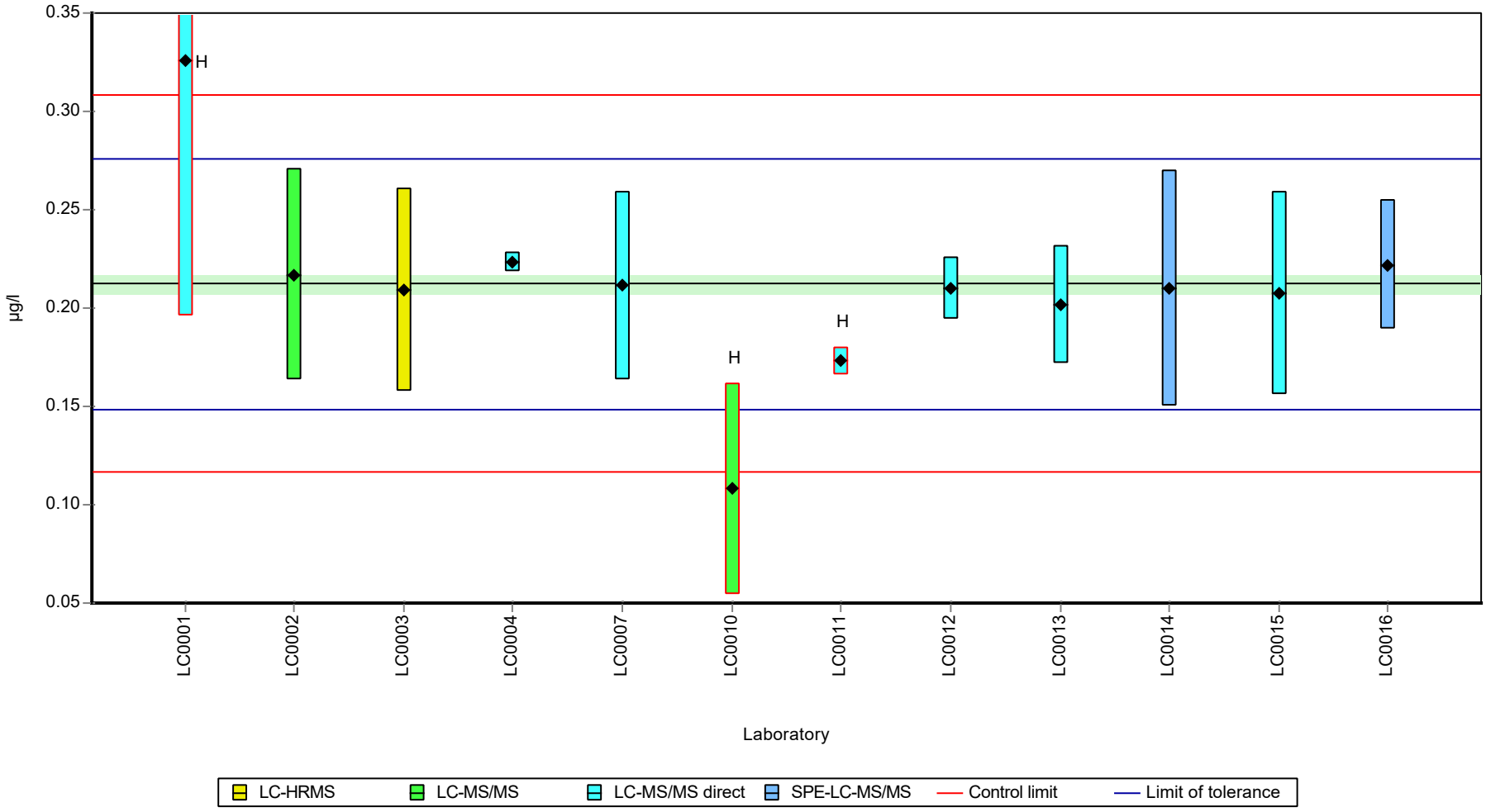
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.326	0.13	153	3.56	H
LC0002	0.217	0.054	102	0.14	
LC0003	0.2091	0.052	98.4	-0.1	
LC0004	0.223	0.005	105	0.33	
LC0005	-	-	-	-	
LC0006	-	-	-	-	
LC0007	0.2115	0.04782	99.6	-0.03	
LC0008	-	-	-	-	
LC0009	-	-	-	-	
LC0010	0.108	0.054	50.8	-3.28	H
LC0011	0.173	0.007	81.4	-1.24	H
LC0012	0.21	0.016	98.9	-0.08	
LC0013	0.202	0.03	95.1	-0.33	
LC0014	0.2098	0.06	98.8	-0.08	
LC0015	0.2075	0.0519	97.7	-0.15	
LC0016	0.222	0.033	105	0.3	
LC0017	-	-	-	-	

Characteristics of parameter

	all results	w ithout outliers	Unit
Mean ± CI (99%)	0.21 ± 0.0418	0.212 ± 0.00691	µg/l
Minimum	0.108	0.202	µg/l
Maximum	0.326	0.223	µg/l
Standard deviation	0.0483	0.00691	µg/l
rel. standard deviation	23	3.25	%
n	12	9	-

Graphical presentation of results

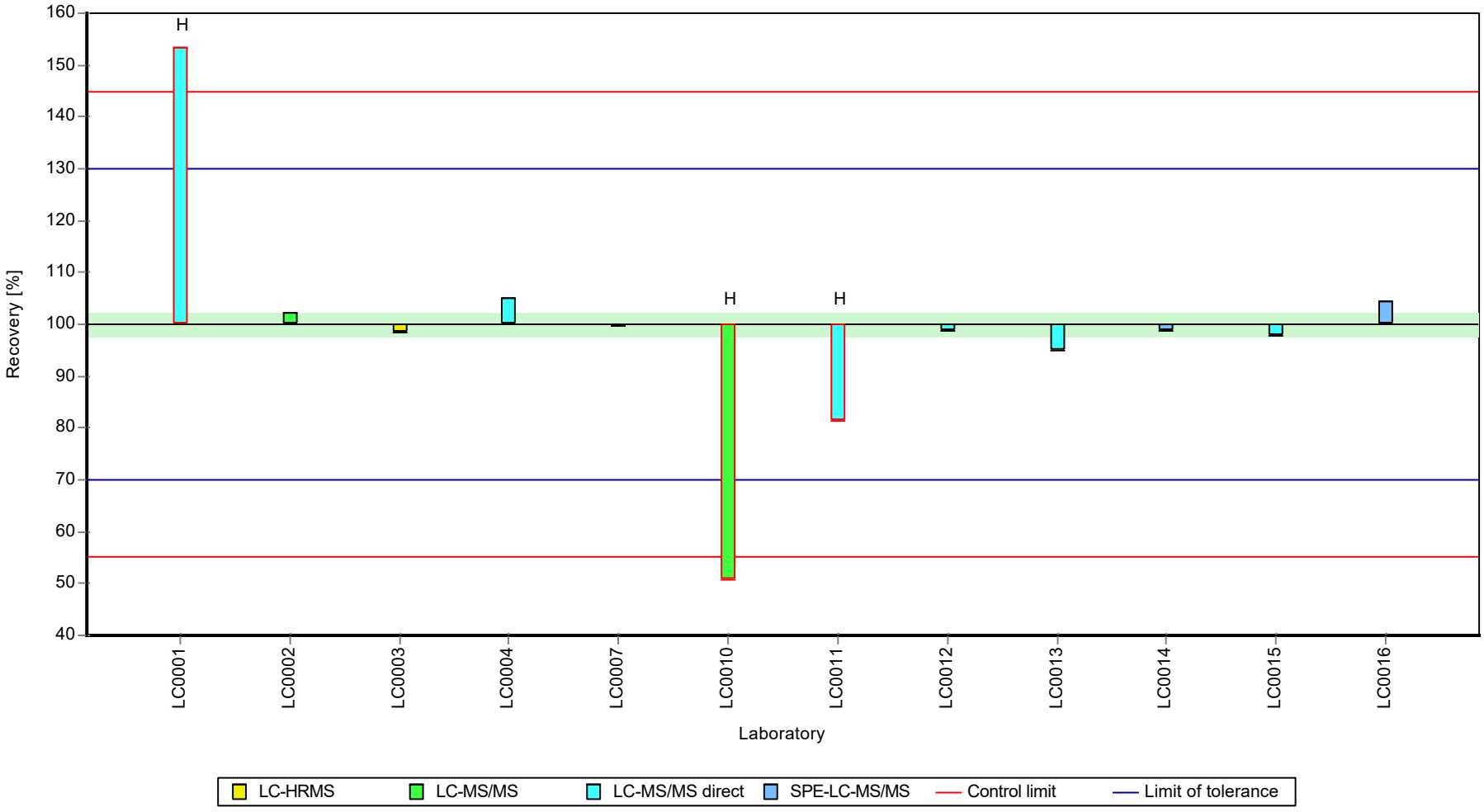
Results



Parameter oriented report Pesticides H117

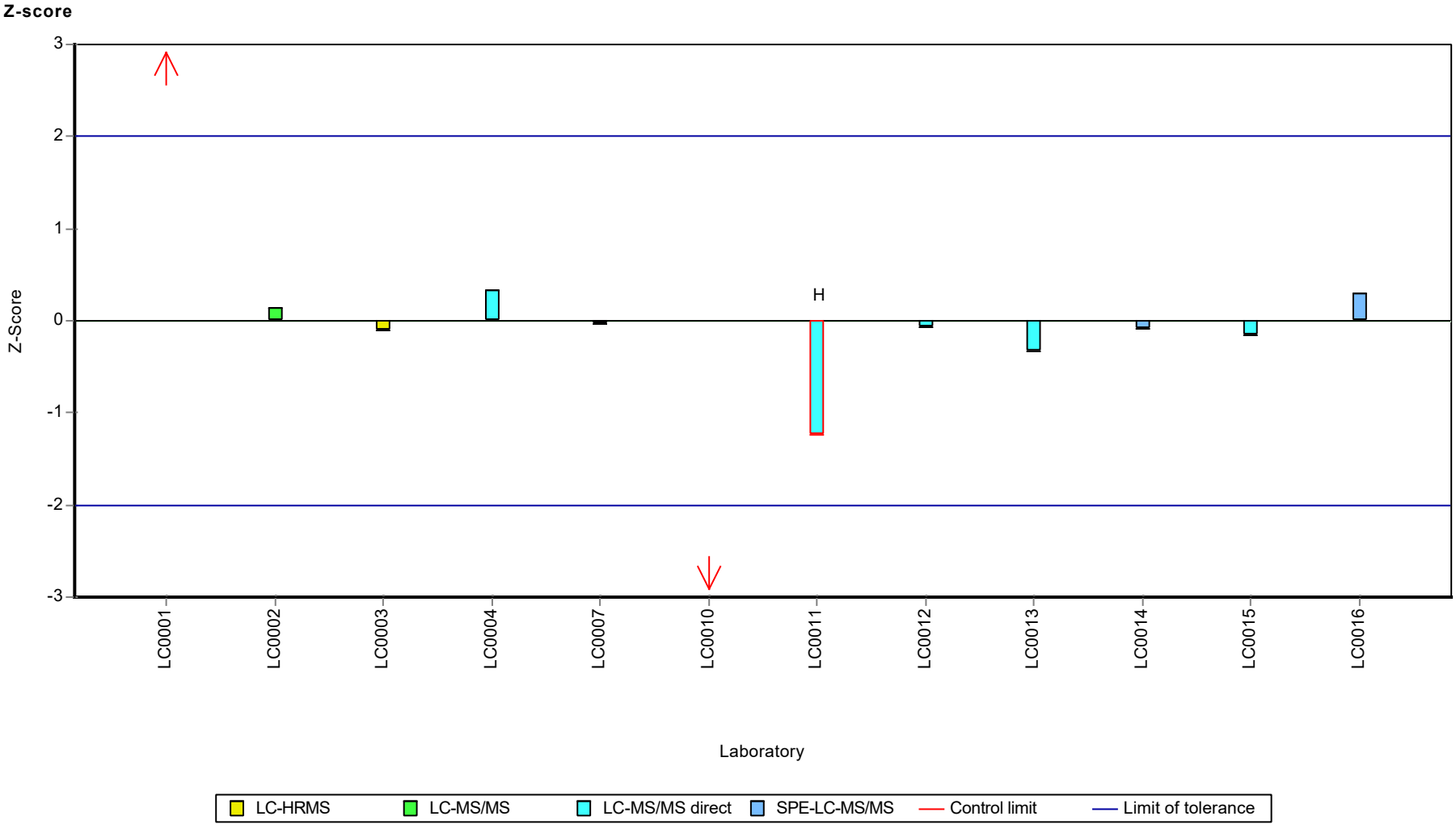
Sample: H117A, Parameter: Imidacloprid

Recovery rate



Parameter oriented report Pesticides H117

Sample: H117A, Parameter: Imidacloprid



Parameter oriented report

H117 B

Imidacloprid

Unit	µg/l
Assigned value ± U (k=2)	1.06 ± 0.068
Criterion	0.159 (15 %)
Minimum - Maximum	0.844 - 1.23
Control test value ± U (k=2)	0.972 ± 0.243

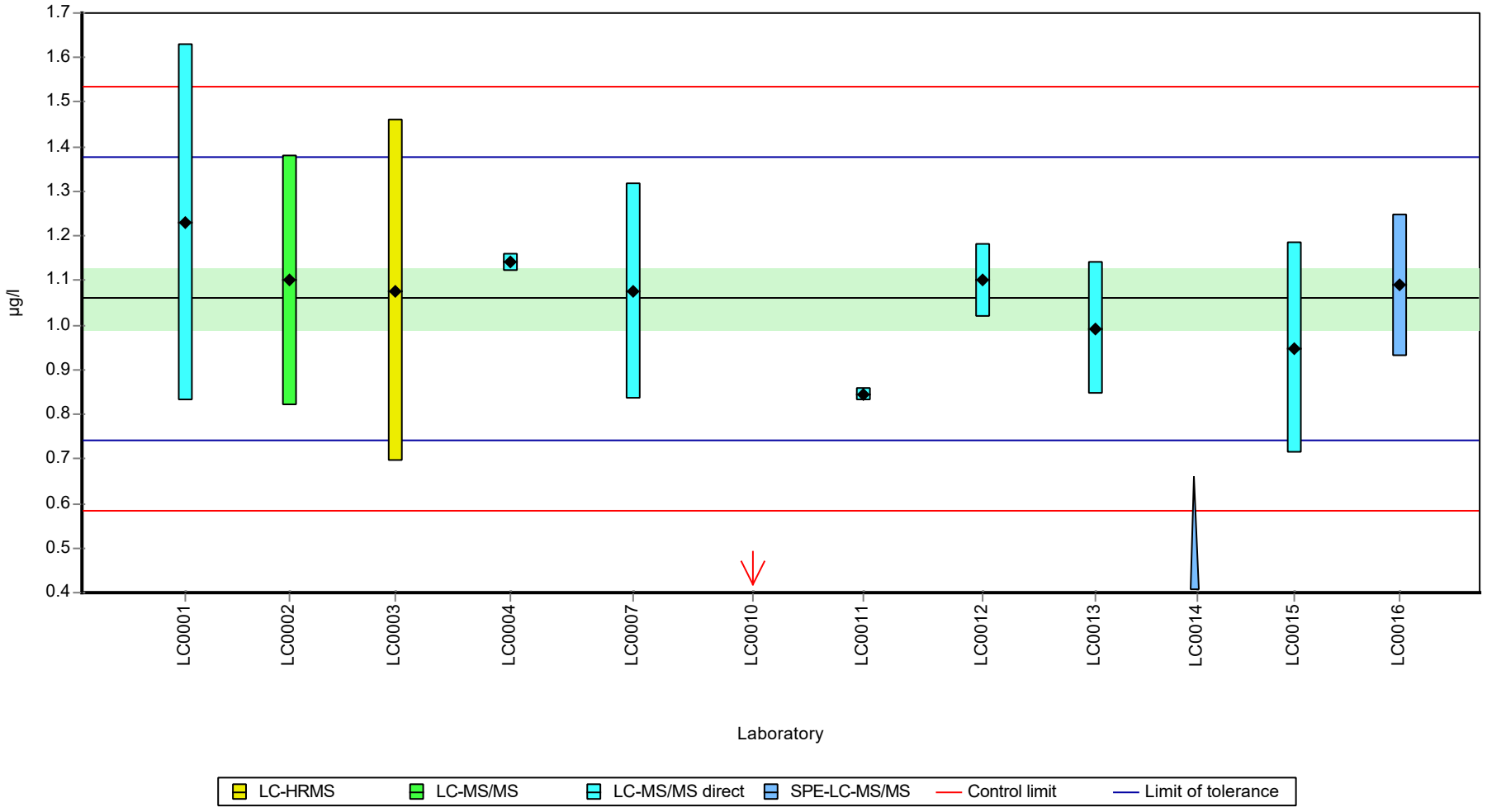
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	1.231	0.4	116	1.08	
LC0002	1.1	0.28	104	0.25	
LC0003	1.0767	0.3844	102	0.11	
LC0004	1.14	0.019	108	0.51	
LC0005	-	-	-	-	
LC0006	-	-	-	-	
LC0007	1.0745	0.24294	101	0.09	
LC0008	-	-	-	-	
LC0009	-	-	-	-	
LC0010	0.269	0.135	25.4	-4.97	H
LC0011	0.844	0.016	79.6	-1.36	
LC0012	1.1	0.084	104	0.25	
LC0013	0.993	0.149	93.7	-0.42	
LC0014	>0.4	-	-	-	
LC0015	0.948	0.237	89.5	-0.7	
LC0016	1.09	0.16	103	0.19	
LC0017	-	-	-	-	

Characteristics of parameter

	all results	w ithout outliers	Unit
Mean ± Cl (99%)	0.988 ± 0.235	1.06 ± 0.102	µg/l
Minimum	0.269	0.844	µg/l
Maximum	1.23	1.23	µg/l
Standard deviation	0.259	0.107	µg/l
rel. standard deviation	26.2	10.1	%
n	11	10	-

Graphical presentation of results

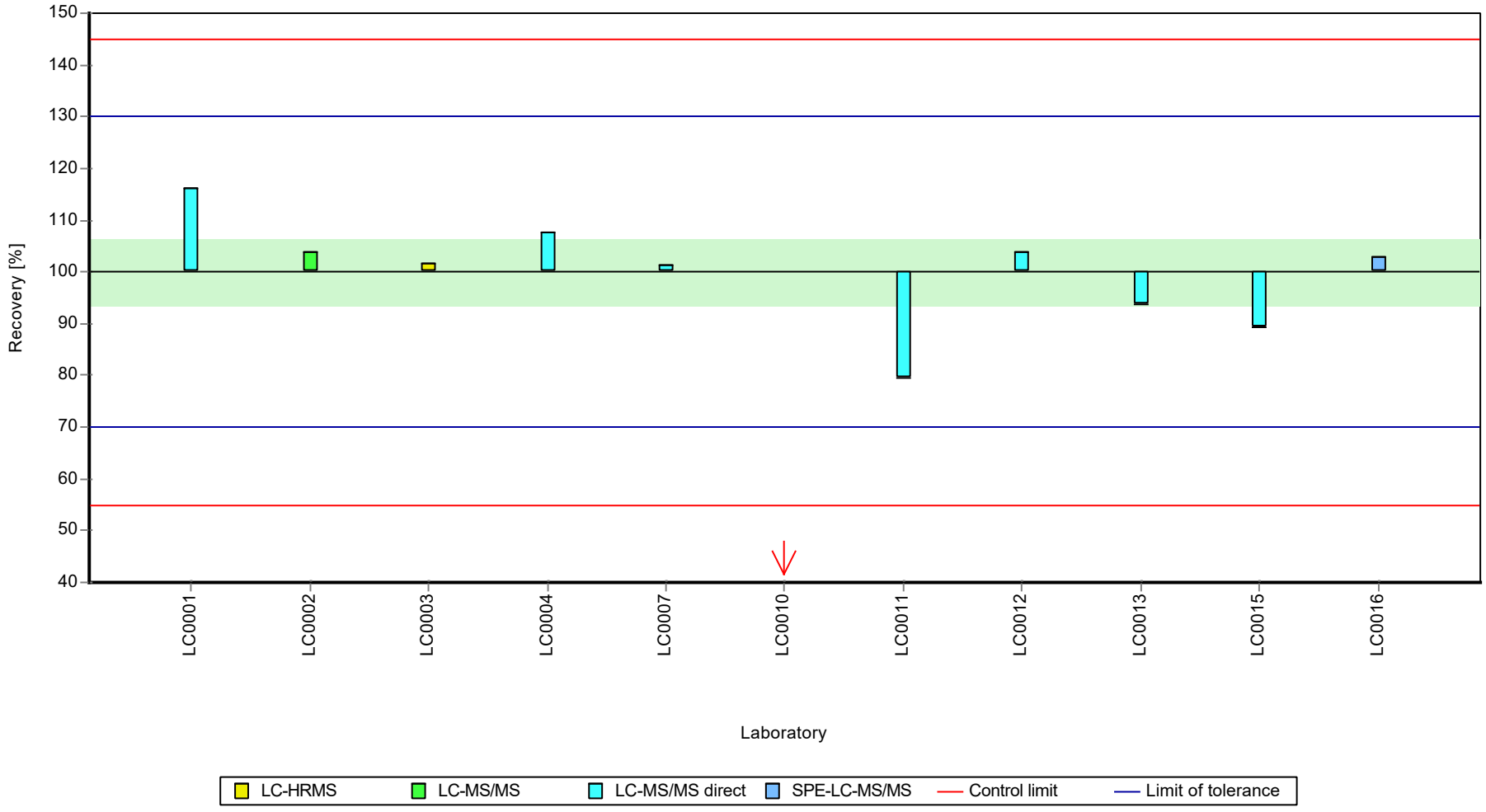
Results



Parameter oriented report Pesticides H117

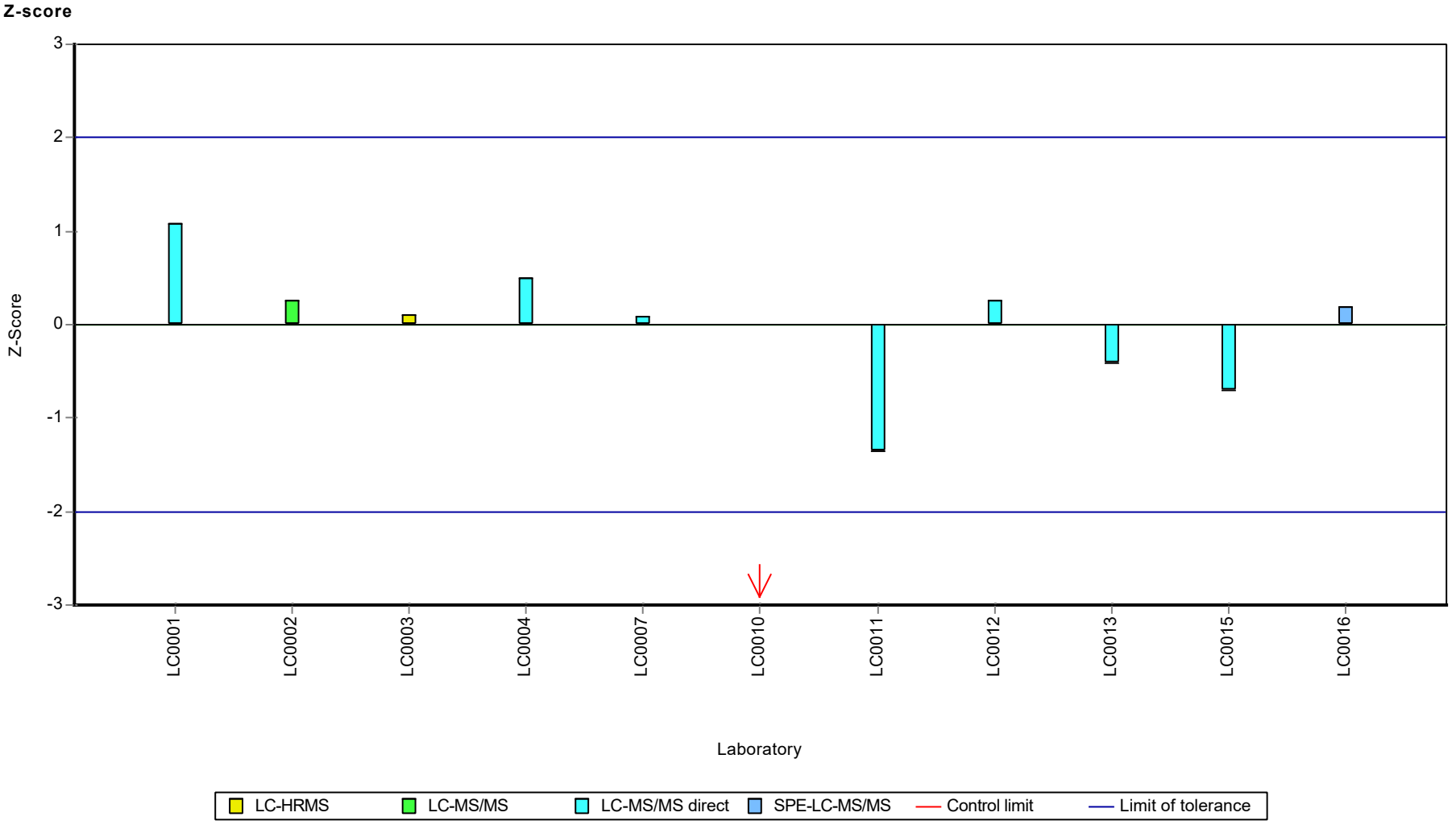
Sample: H117B, Parameter: Imidacloprid

Recovery rate



Parameter oriented report Pesticides H117

Sample: H117B, Parameter: Imidacloprid



Parameter oriented report

H117 A

Lindane (Gamma-HCH)*

Unit	µg/l
Assigned value ± U (k=2)	-
Criterion	-
Minimum - Maximum	0.072 - 0.215
Control test value ± U (k=2)	0.287 ± 0.0861

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

This can be used for comparison as part of your internal QA measures: MV(n=5) +/- U(k=2): 0.152 +/- 0.0559 µg/l

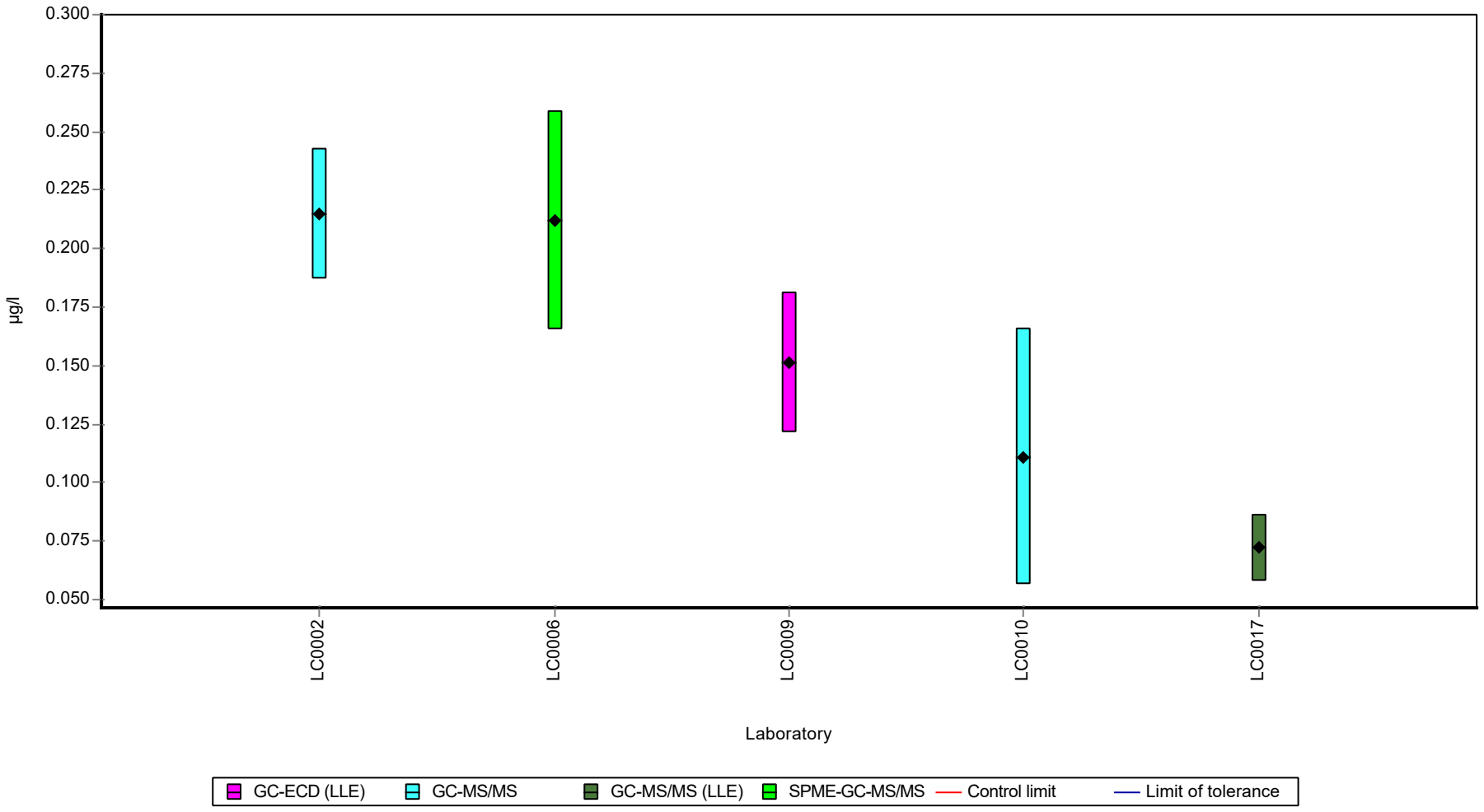
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	0.215	0.028	-	-	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	-	-	-	-	
LC0006	0.212	0.047	-	-	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	0.151	0.03	-	-	
LC0010	0.111	0.055	-	-	
LC0011	-	-	-	-	
LC0012	-	-	-	-	
LC0013	-	-	-	-	
LC0014	-	-	-	-	
LC0015	-	-	-	-	
LC0016	-	-	-	-	
LC0017	0.072	0.0146	-	-	

Characteristics of parameter

	all results	w ithout outliers	Unit
Mean ± CI (99%)	0.152 ± 0.0839	-	µg/l
Minimum	0.072	0.072	µg/l
Maximum	0.215	0.215	µg/l
Standard deviation	0.0626	-	µg/l
rel. standard deviation	41.1	-	%
n	5	5	-

Graphical presentation of results

Results



Parameter oriented report

H117 B

Lindane (Gamma-HCH)*

Unit	µg/l
Assigned value ± U (k=2)	-
Criterion	-
Minimum - Maximum	0.395 - 0.493
Control test value ± U (k=2)	0.567 ± 0.17

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

This can be used for comparison as part of your internal QA measures: MV(n=4) +/- U(k=2): 0.451 +/- 0.0410 µg/l

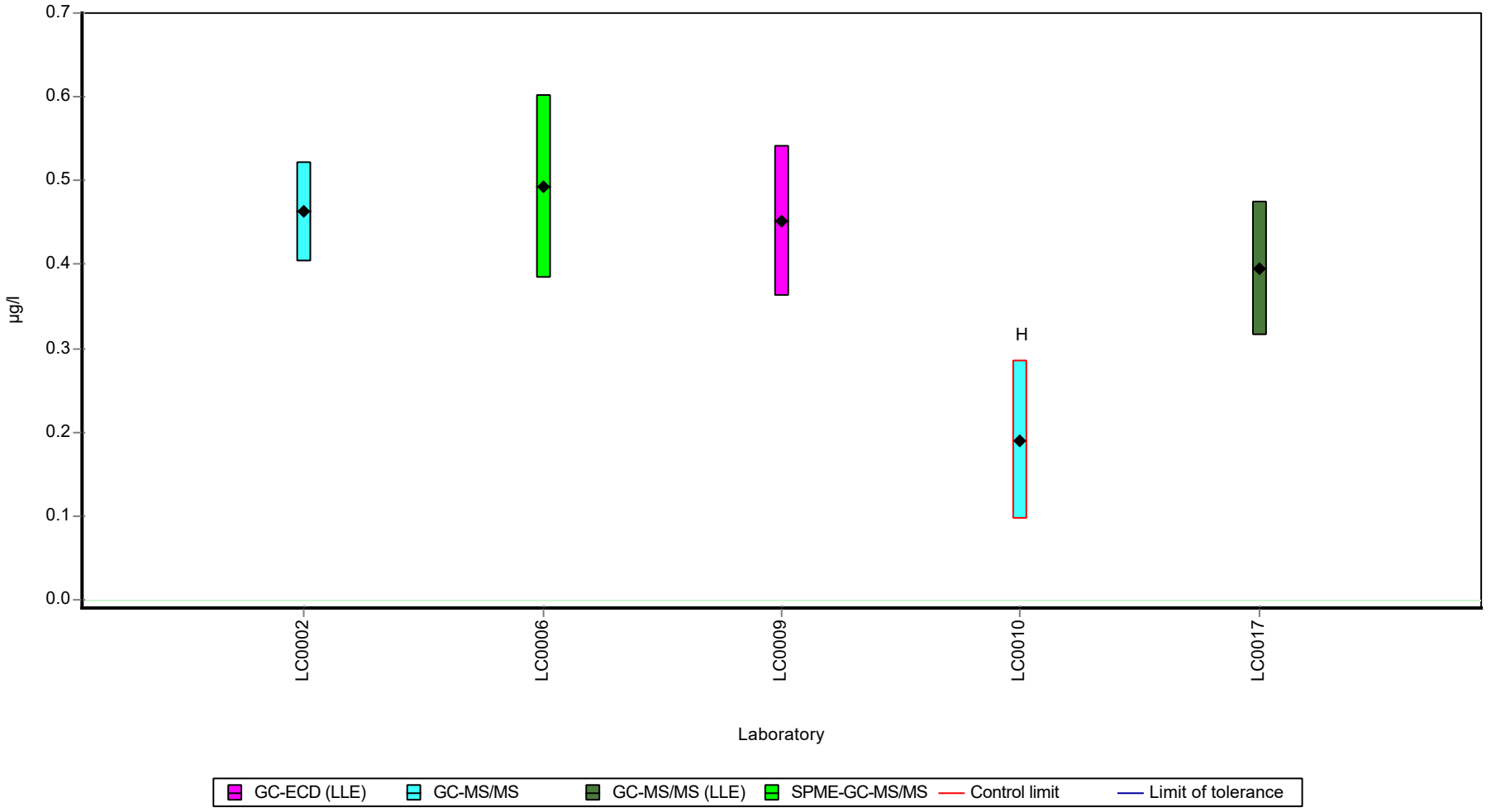
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	0.463	0.06	-	-	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	-	-	-	-	
LC0006	0.493	0.109	-	-	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	0.452	0.09	-	-	
LC0010	0.19	0.095	-	-	H
LC0011	-	-	-	-	
LC0012	-	-	-	-	
LC0013	-	-	-	-	
LC0014	-	-	-	-	
LC0015	-	-	-	-	
LC0016	-	-	-	-	
LC0017	0.395	0.0802	-	-	

Characteristics of parameter

	all results	w ithout outliers	Unit
Mean ± CI (99%)	0.399 ± 0.164	-	µg/l
Minimum	0.19	0.395	µg/l
Maximum	0.493	0.493	µg/l
Standard deviation	0.122	-	µg/l
rel. standard deviation	30.6	-	%
n	5	4	-

Graphical presentation of results

Results



Parameter oriented report

H117 A

Nitenpyram**

Unit	µg/l
Assigned value ± U (k=2)	-
Criterion	-
Minimum - Maximum	0.228 - 0.228
Control test value ± U (k=2)	0.218 ± 0.0327

**the calculated mean value CL-MV +/- U(k=2) based on the control laboratory is listed for information.

This can be used for comparison as part of your internal QA measures: CL-MV(n=5) +/- U(k=2): 0.218 +/- 0.0327 µg/l

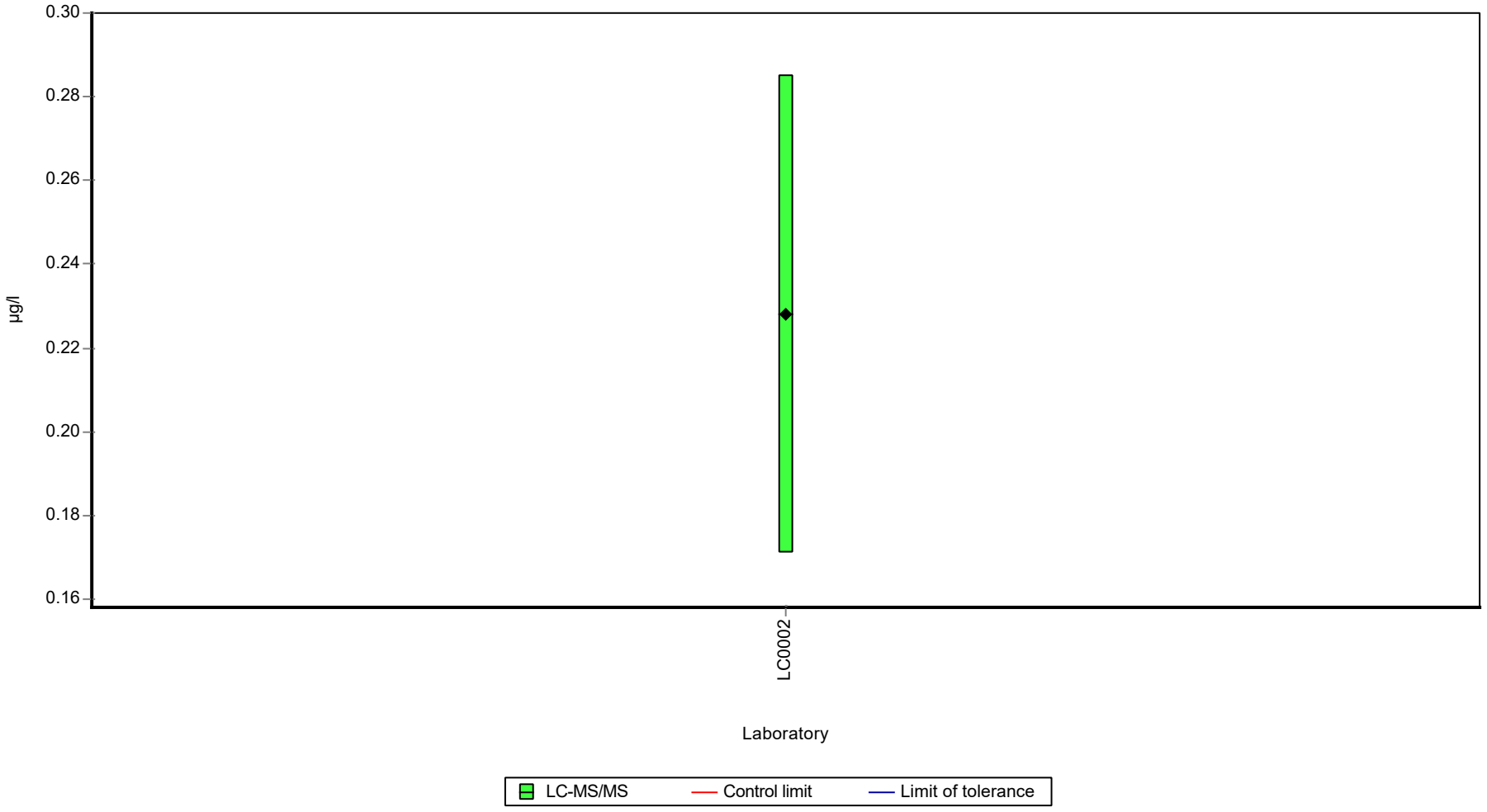
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	0.228	0.057	-	-	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	-	-	-	-	
LC0006	-	-	-	-	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	-	-	-	-	
LC0010	-	-	-	-	
LC0011	-	-	-	-	
LC0012	-	-	-	-	
LC0013	-	-	-	-	
LC0014	-	-	-	-	
LC0015	-	-	-	-	
LC0016	-	-	-	-	
LC0017	-	-	-	-	

Characteristics of parameter

	all results	w ithout outliers	Unit
Mean ± Cl (99%)	-	-	µg/l
Minimum	0.228	0.228	µg/l
Maximum	0.228	0.228	µg/l
Standard deviation	-	-	µg/l
rel. standard deviation	-	-	%
n	1	1	-

Graphical presentation of results

Results



Parameter oriented report

H117 B

Nitenpyram**

Unit	µg/l
Assigned value ± U (k=2)	-
Criterion	-
Minimum - Maximum	1.25 - 1.25
Control test value ± U (k=2)	1.08 ± 0.161

**the calculated mean value CL-MV +/- U(k=2) based on the control laboratory is listed for information.

This can be used for comparison as part of your internal QA measures: CL-MV(n=5) +/- U(k=2): 1.08 +/- 0.161 µg/l

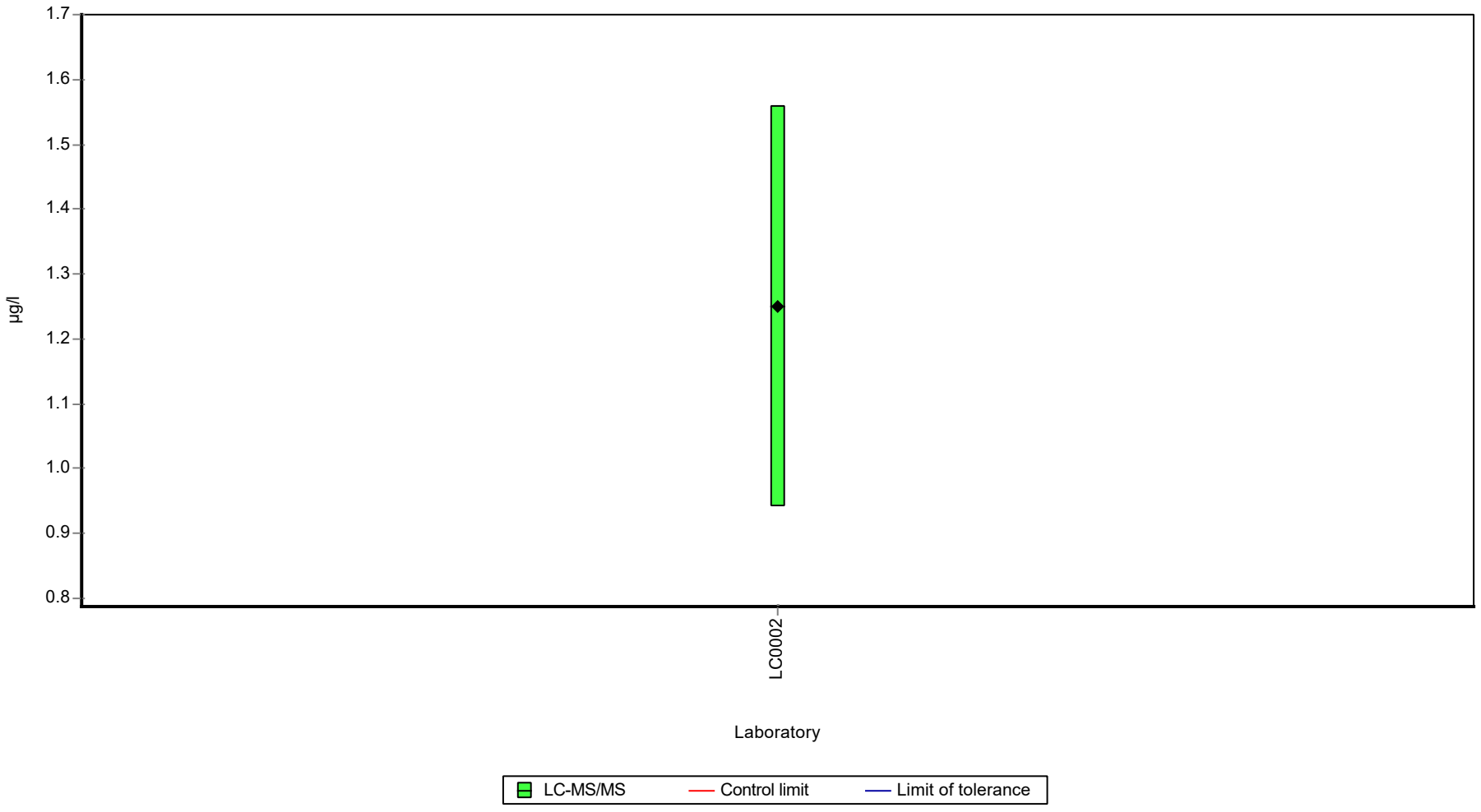
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	1.25	0.31	-	-	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	-	-	-	-	
LC0006	-	-	-	-	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	-	-	-	-	
LC0010	-	-	-	-	
LC0011	-	-	-	-	
LC0012	-	-	-	-	
LC0013	-	-	-	-	
LC0014	-	-	-	-	
LC0015	-	-	-	-	
LC0016	-	-	-	-	
LC0017	-	-	-	-	

Characteristics of parameter

	all results	w ithout outliers	Unit
Mean ± Cl (99%)	-	-	µg/l
Minimum	1.25	1.25	µg/l
Maximum	1.25	1.25	µg/l
Standard deviation	-	-	µg/l
rel. standard deviation	-	-	%
n	1	1	-

Graphical presentation of results

Results



Parameter oriented report

H117 A

Prometryn

Unit	µg/l
Assigned value ± U (k=2)	0.419 ± 0.0219
Criterion	0.0545 (13 %)
Minimum - Maximum	0.368 - 0.453
Control test value ± U (k=2)	0.411 ± 0.185

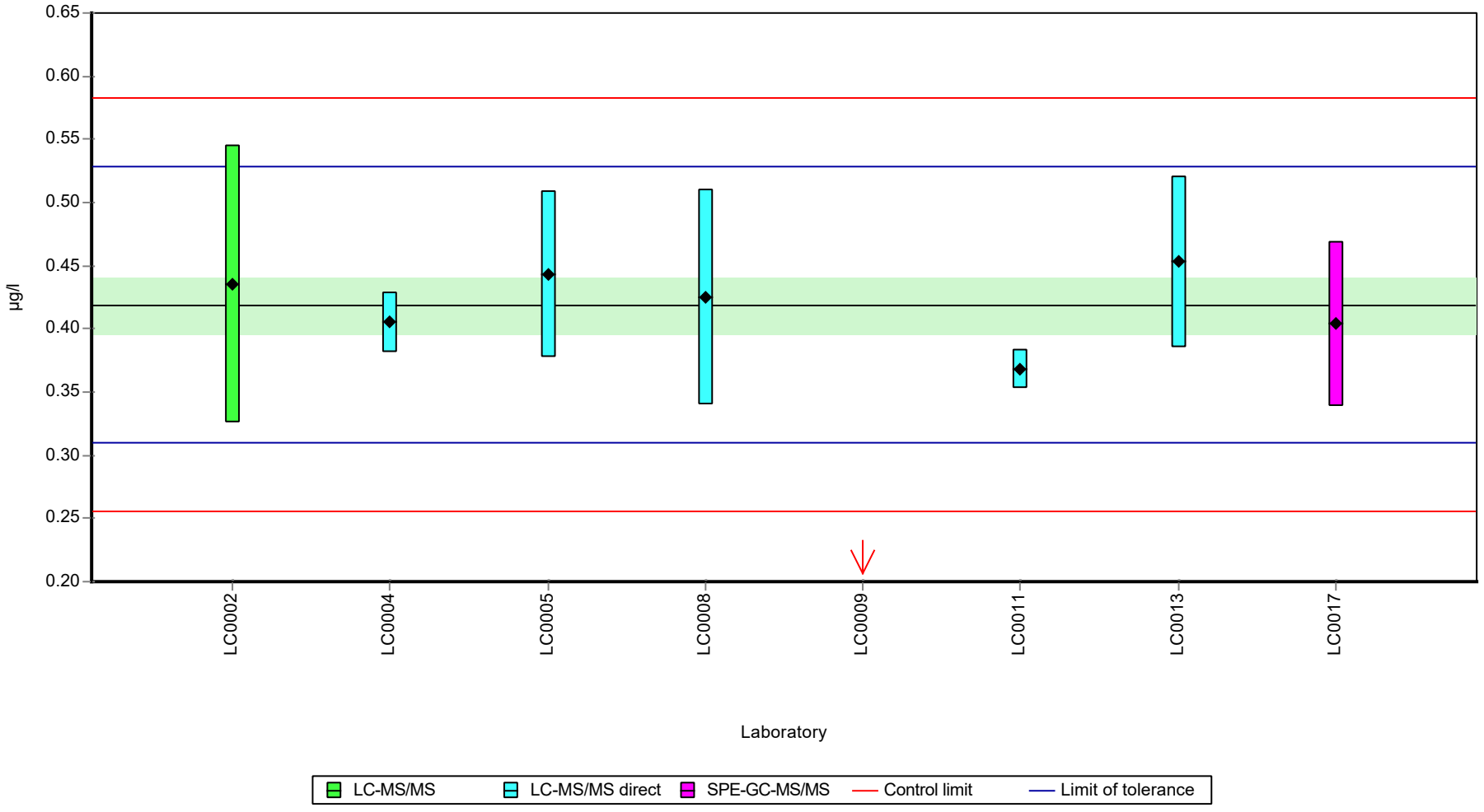
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	0.435	0.11	104	0.29	
LC0003	-	-	-	-	
LC0004	0.405	0.024	96.7	-0.26	
LC0005	0.443	0.066	106	0.44	
LC0006	-	-	-	-	
LC0007	-	-	-	-	
LC0008	0.425	0.085	101	0.11	
LC0009	0.163	0.033	38.9	-4.7	H
LC0010	-	-	-	-	
LC0011	0.368	0.015	87.8	-0.94	
LC0012	-	-	-	-	
LC0013	0.453	0.068	108	0.62	
LC0014	-	-	-	-	
LC0015	-	-	-	-	
LC0016	-	-	-	-	
LC0017	0.404	0.0654	96.4	-0.28	

Characteristics of parameter

	all results	w ithout outliers	Unit
Mean ± Cl (99%)	0.387 ± 0.1	0.419 ± 0.0329	µg/l
Minimum	0.163	0.368	µg/l
Maximum	0.453	0.453	µg/l
Standard deviation	0.0944	0.029	µg/l
rel. standard deviation	24.4	6.92	%
n	8	7	-

Graphical presentation of results

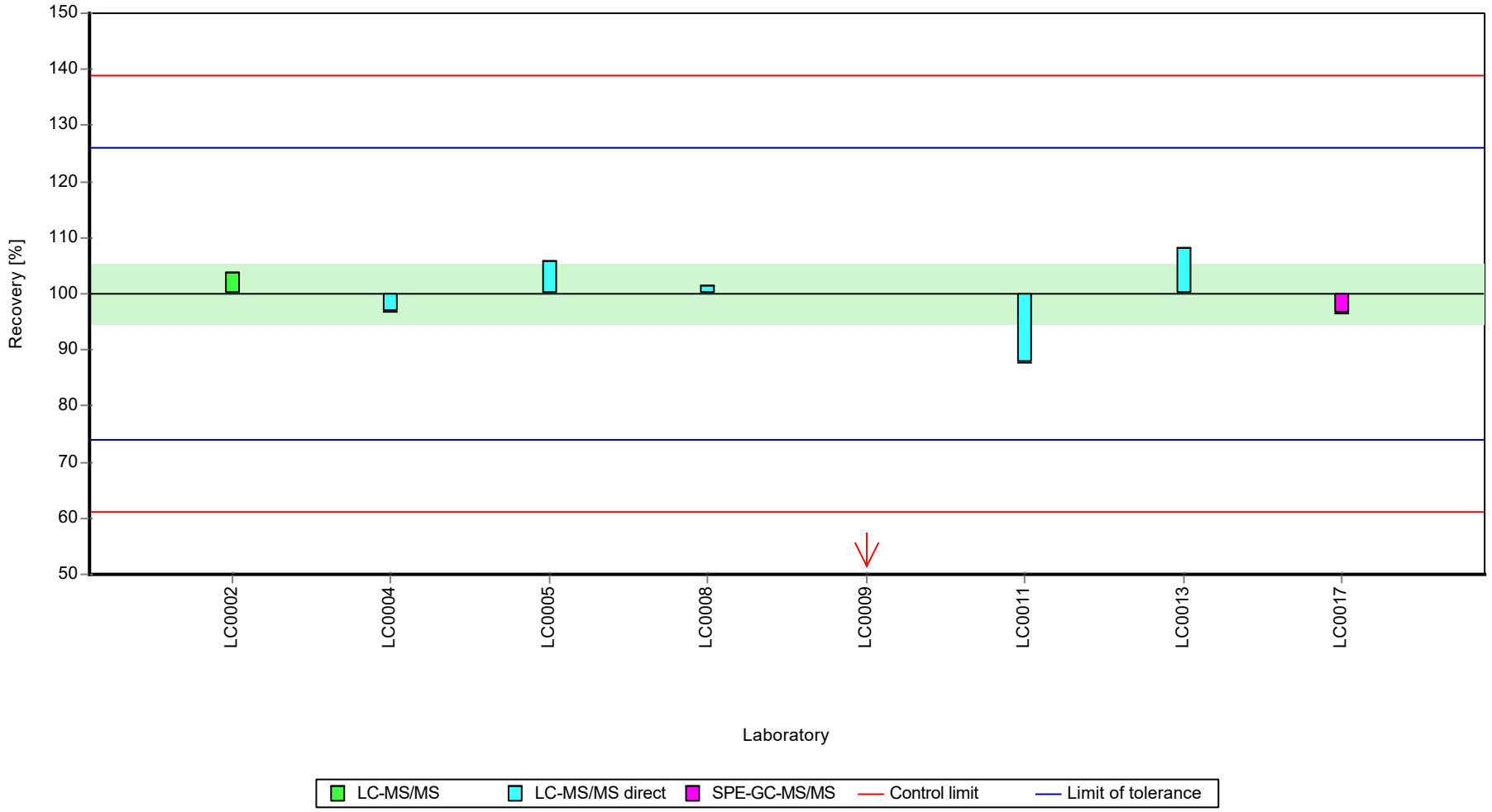
Results



Parameter oriented report Pesticides H117

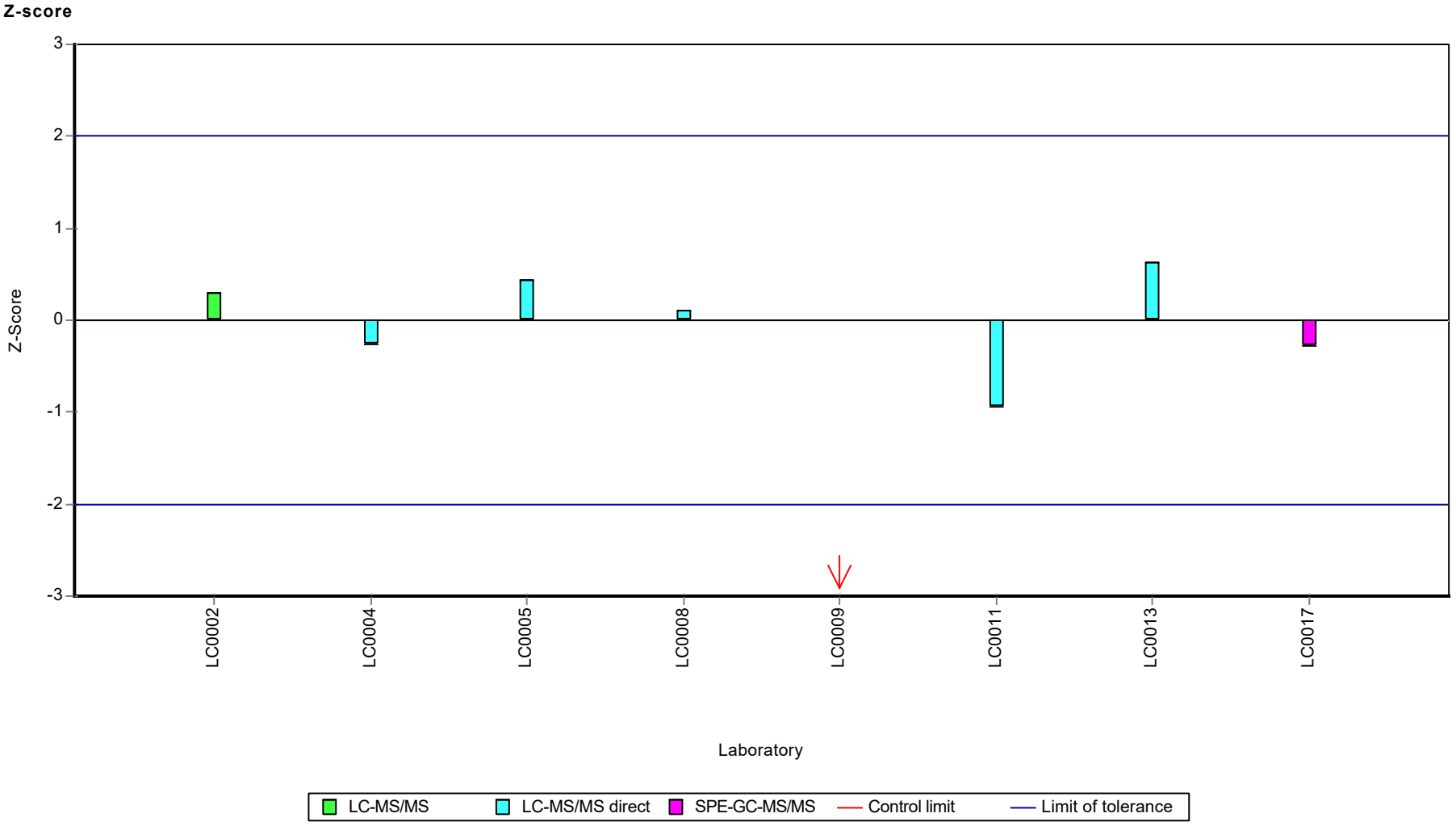
Sample: H117A, Parameter: Prometryn

Recovery rate



Parameter oriented report Pesticides H117

Sample: H117A, Parameter: Prometryn



Parameter oriented report

H117 B

Prometryn

Unit	µg/l
Assigned value ± U (k=2)	1.56 ± 0.108
Criterion	0.202 (13 %)
Minimum - Maximum	1.32 - 1.7
Control test value ± U (k=2)	1.51 ± 0.68

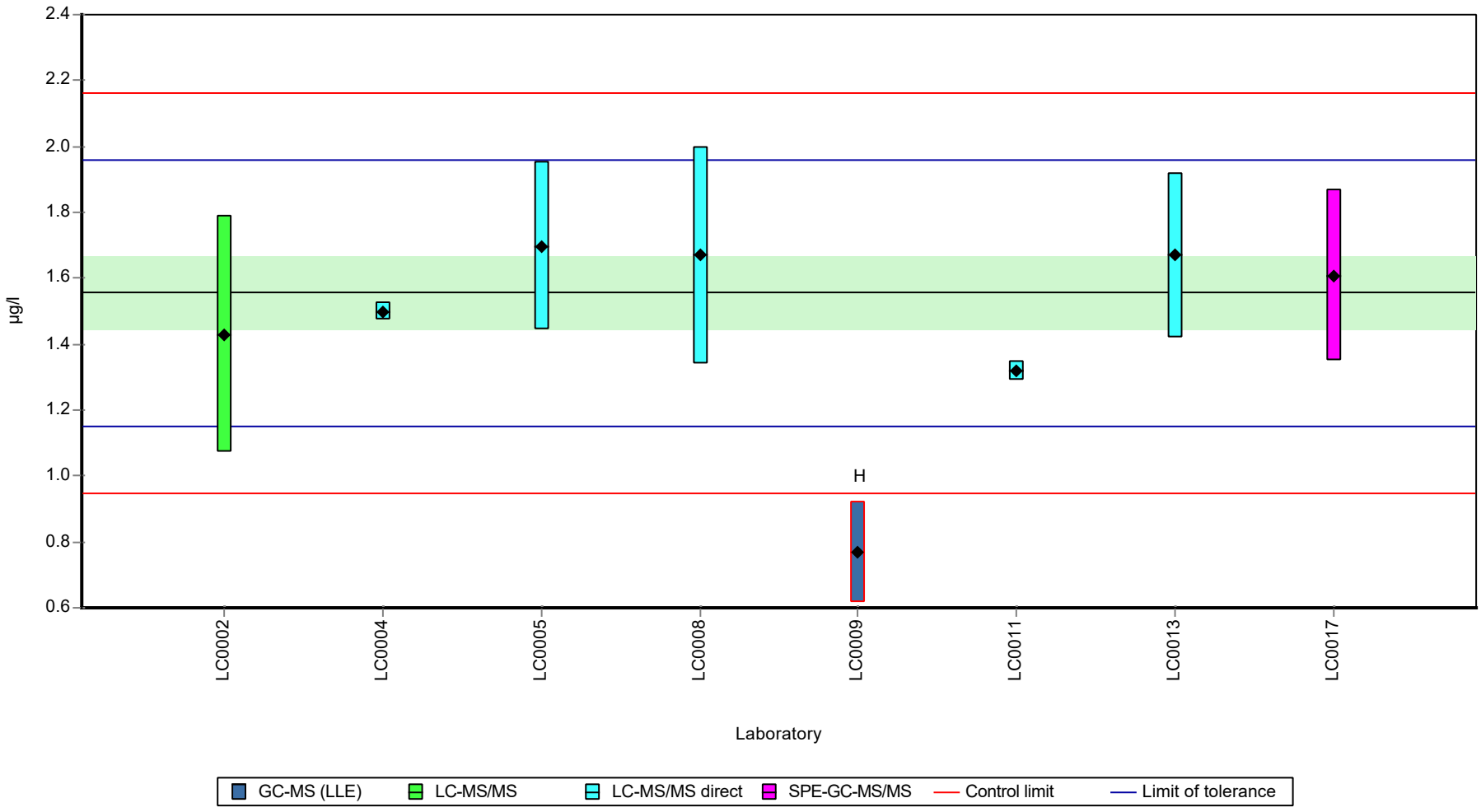
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	1.43	0.36	91.9	-0.62	
LC0003	-	-	-	-	
LC0004	1.5	0.027	96.4	-0.28	
LC0005	1.698	0.255	109	0.7	
LC0006	-	-	-	-	
LC0007	-	-	-	-	
LC0008	1.67	0.33	107	0.56	
LC0009	0.767	0.153	49.3	-3.9	H
LC0010	-	-	-	-	
LC0011	1.32	0.03	84.8	-1.17	
LC0012	-	-	-	-	
LC0013	1.669	0.25	107	0.56	
LC0014	-	-	-	-	
LC0015	-	-	-	-	
LC0016	-	-	-	-	
LC0017	1.607	0.26	103	0.25	

Characteristics of parameter

	all results	w ithout outliers	Unit
Mean ± Cl (99%)	1.46 ± 0.328	1.56 ± 0.163	µg/l
Minimum	0.767	1.32	µg/l
Maximum	1.7	1.7	µg/l
Standard deviation	0.309	0.143	µg/l
rel. standard deviation	21.2	9.21	%
n	8	7	-

Graphical presentation of results

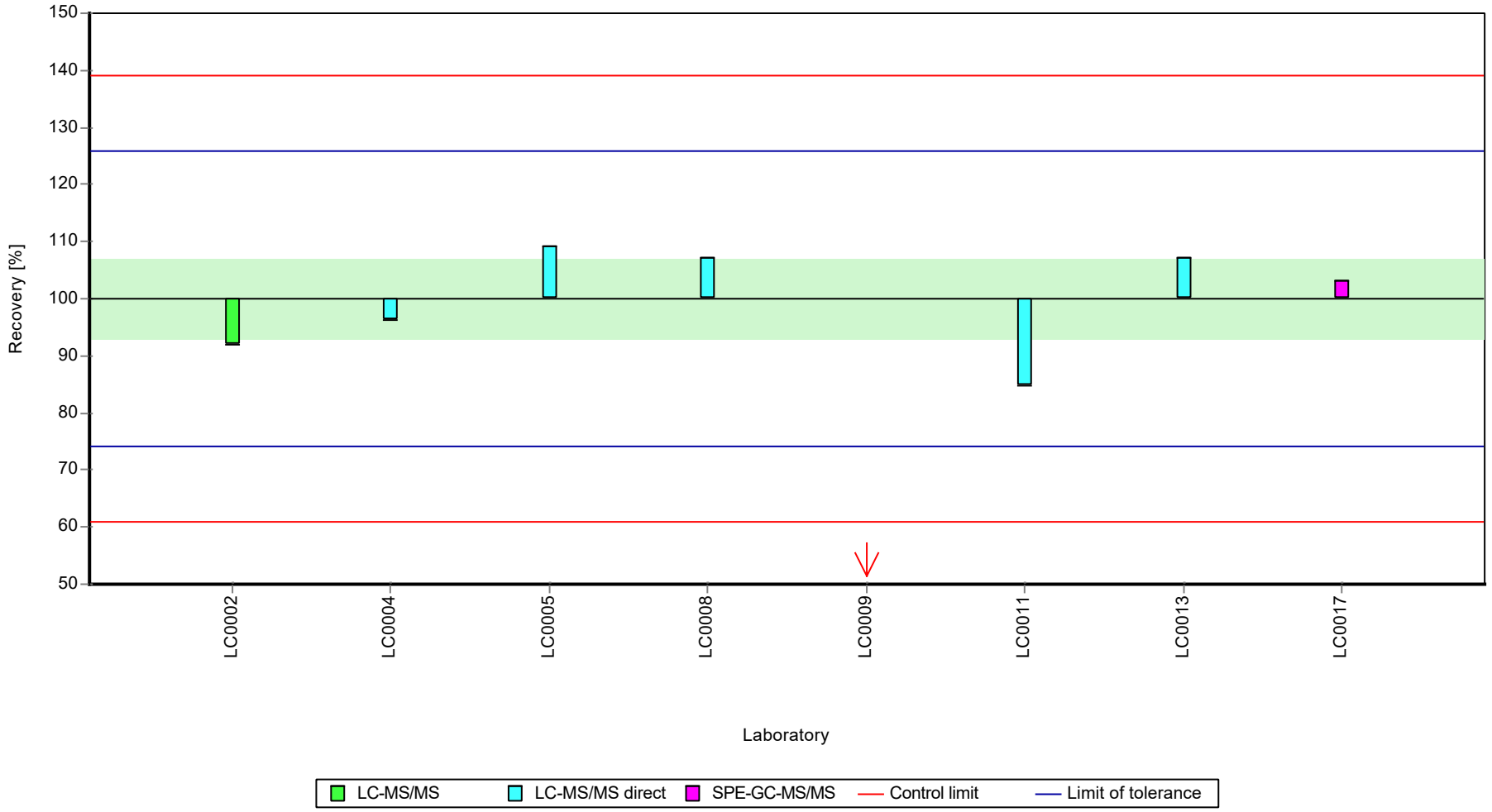
Results



Parameter oriented report Pesticides H117

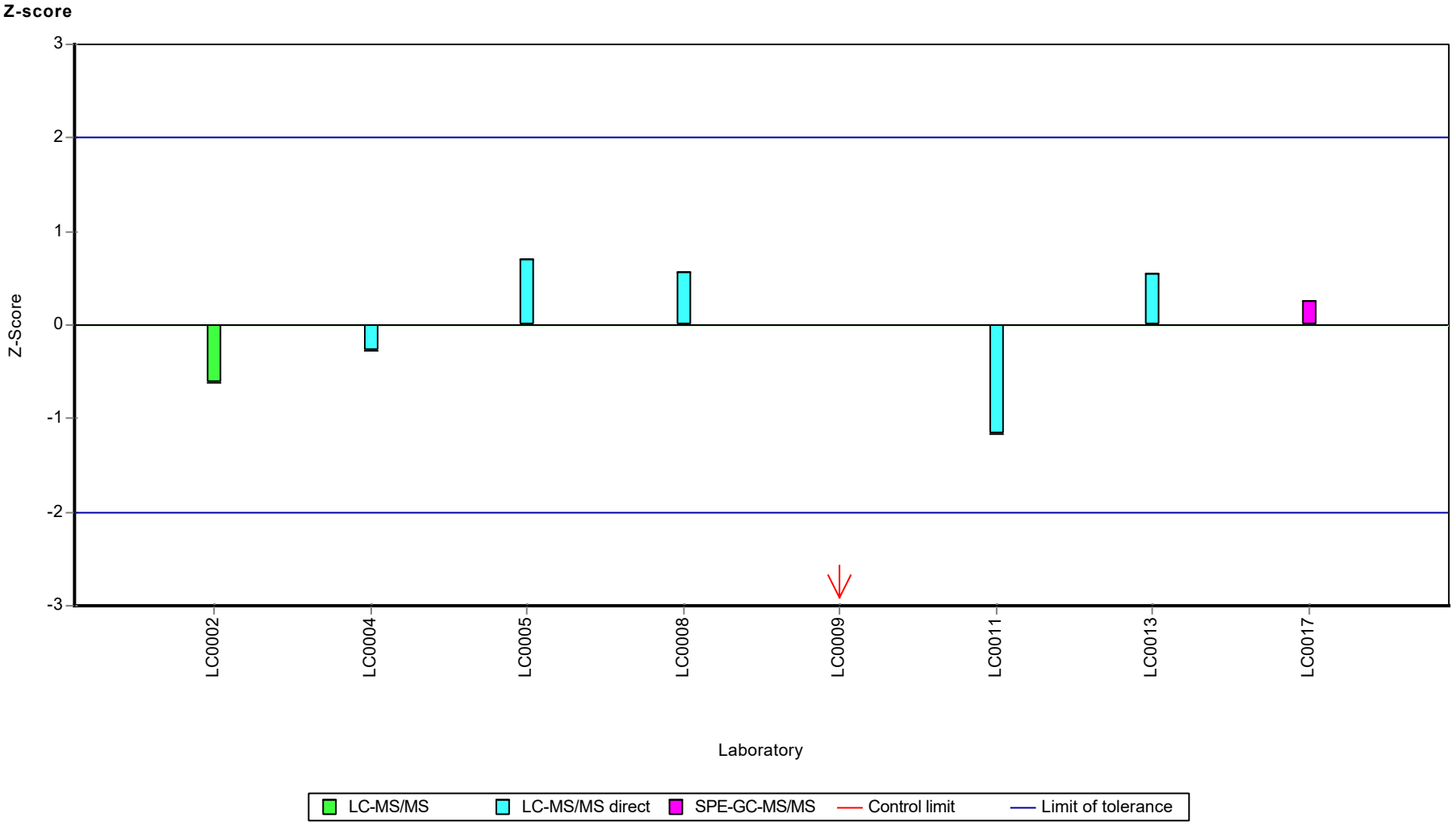
Sample: H117B, Parameter: Prometryn

Recovery rate



Parameter oriented report Pesticides H117

Sample: H117B, Parameter: Prometryn



Parameter oriented report

H117 A

Propazine

Unit	µg/l
Assigned value ± U (k=2)	0.218 ± 0.00746
Criterion	0.0284 (13 %)
Minimum - Maximum	0.199 - 0.23
Control test value ± U (k=2)	0.218 ± 0.0763

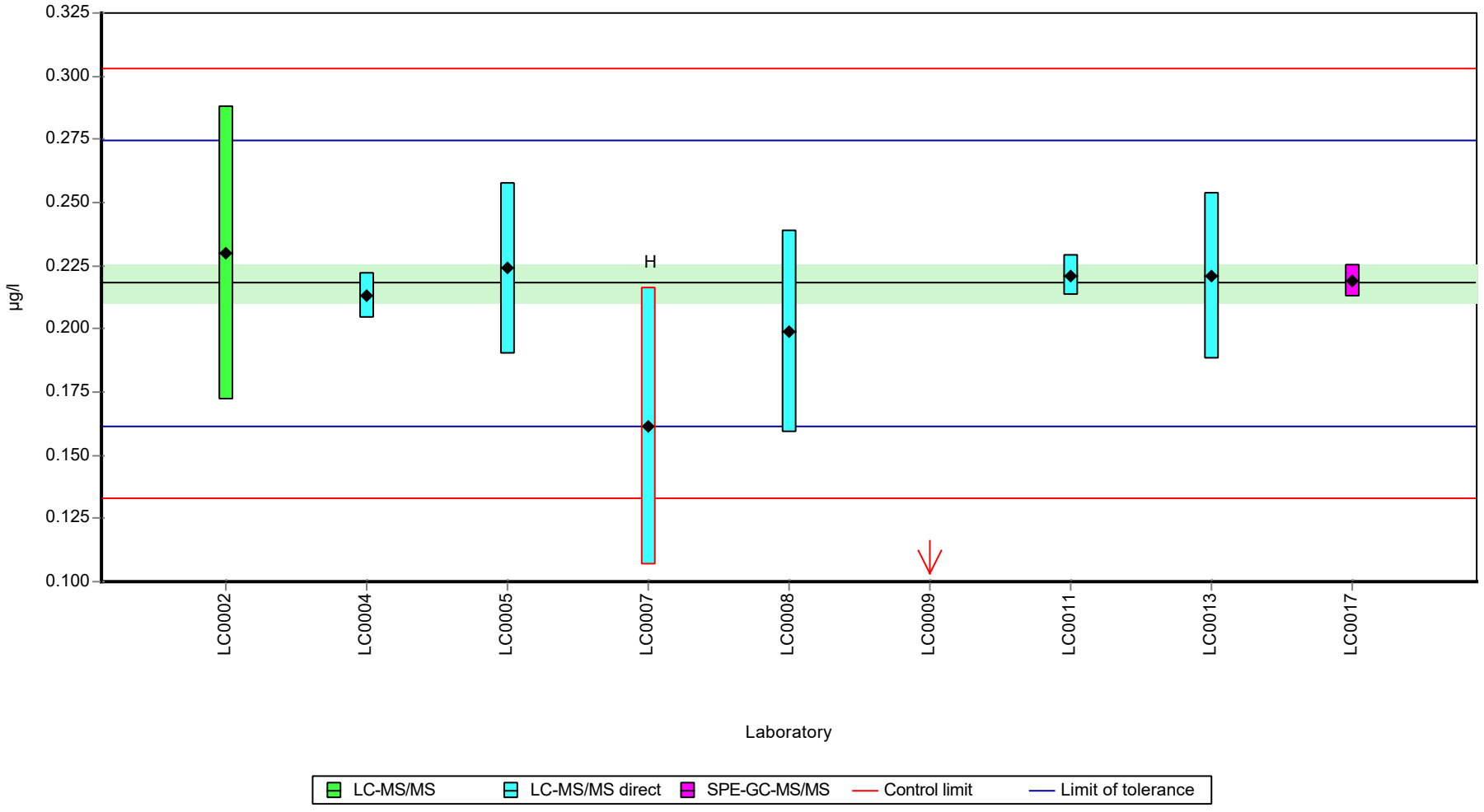
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	0.23	0.058	105	0.42	
LC0003	-	-	-	-	
LC0004	0.213	0.009	97.6	-0.18	
LC0005	0.224	0.034	103	0.21	
LC0006	-	-	-	-	
LC0007	0.1615	0.05488	74	-2	H
LC0008	0.199	0.04	91.2	-0.68	
LC0009	0.054	0.011	24.8	-5.79	H
LC0010	-	-	-	-	
LC0011	0.221	0.008	101	0.1	
LC0012	-	-	-	-	
LC0013	0.221	0.033	101	0.1	
LC0014	-	-	-	-	
LC0015	-	-	-	-	
LC0016	-	-	-	-	
LC0017	0.219	0.0062	100	0.03	

Characteristics of parameter

	all results	w ithout outliers	Unit
Mean ± Cl (99%)	0.194 ± 0.0563	0.218 ± 0.0112	µg/l
Minimum	0.054	0.199	µg/l
Maximum	0.23	0.23	µg/l
Standard deviation	0.0563	0.00987	µg/l
rel. standard deviation	29.1	4.53	%
n	9	7	-

Graphical presentation of results

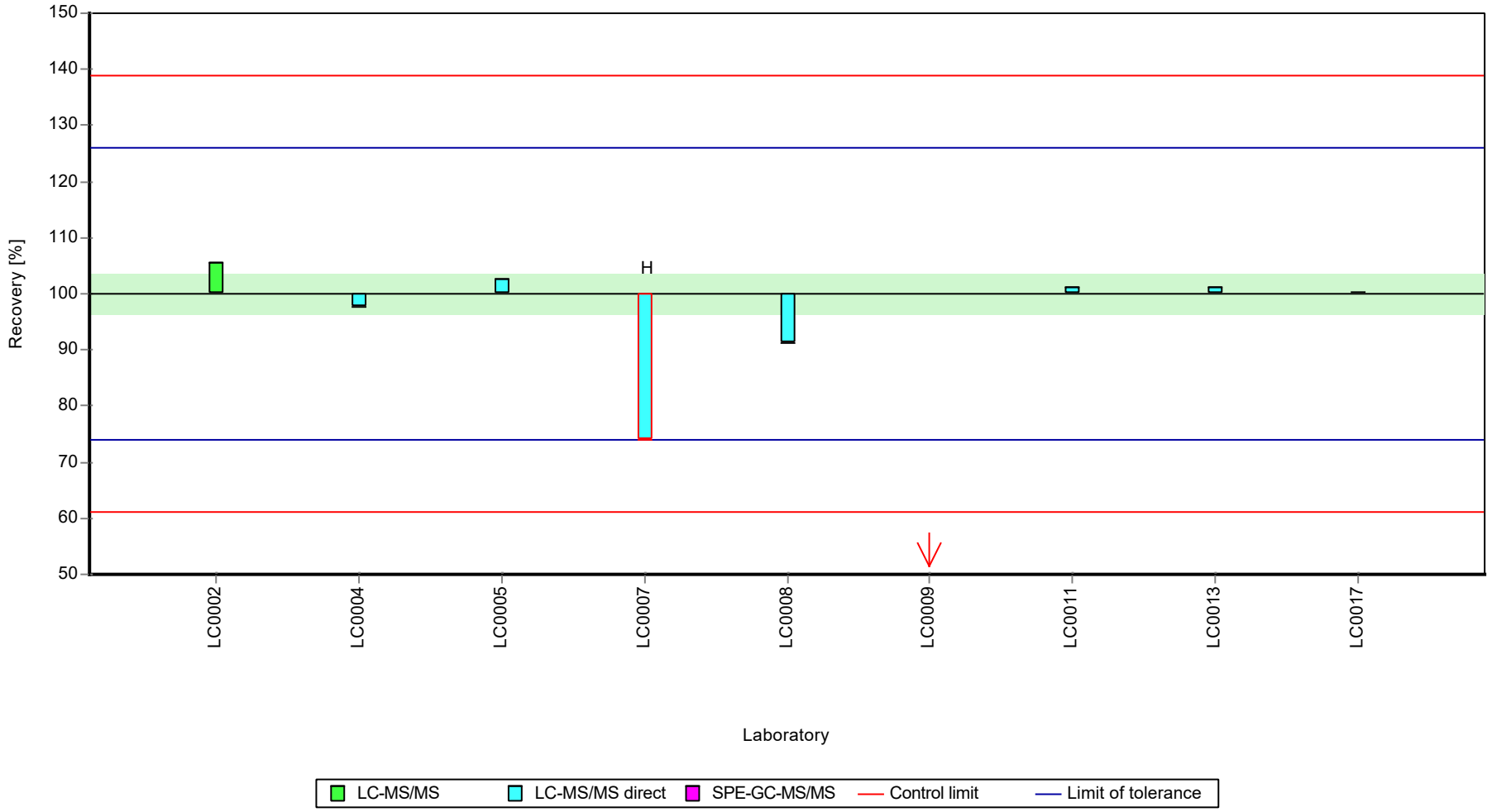
Results



Parameter oriented report Pesticides H117

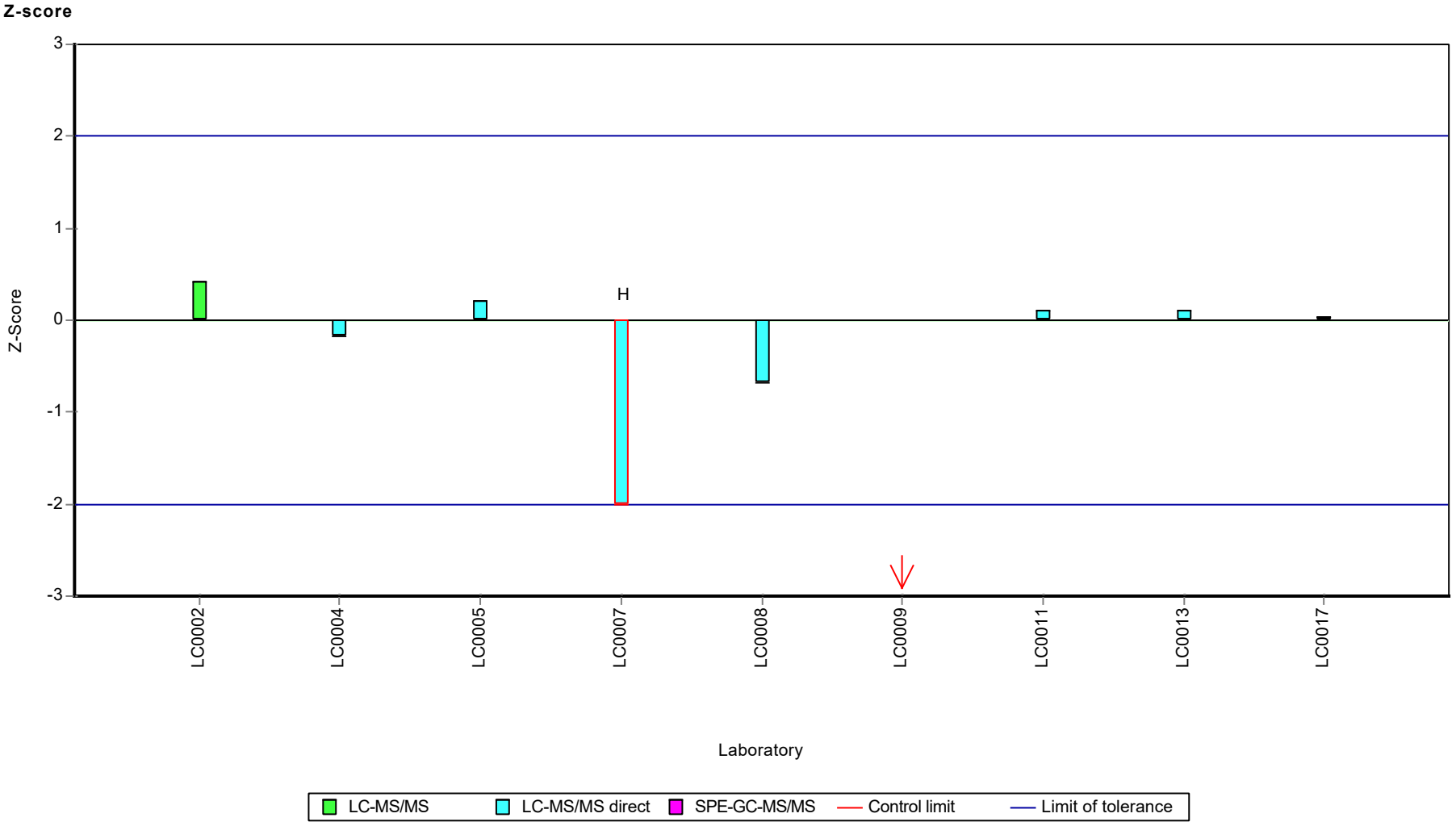
Sample: H117A, Parameter: Propazine

Recovery rate



Parameter oriented report Pesticides H117

Sample: H117A, Parameter: Propazine



Parameter oriented report

H117 B

Propazine

Unit	µg/l
Assigned value ± U (k=2)	0.833 ± 0.047
Criterion	0.108 (13 %)
Minimum - Maximum	0.704 - 0.927
Control test value ± U (k=2)	0.825 ± 0.289

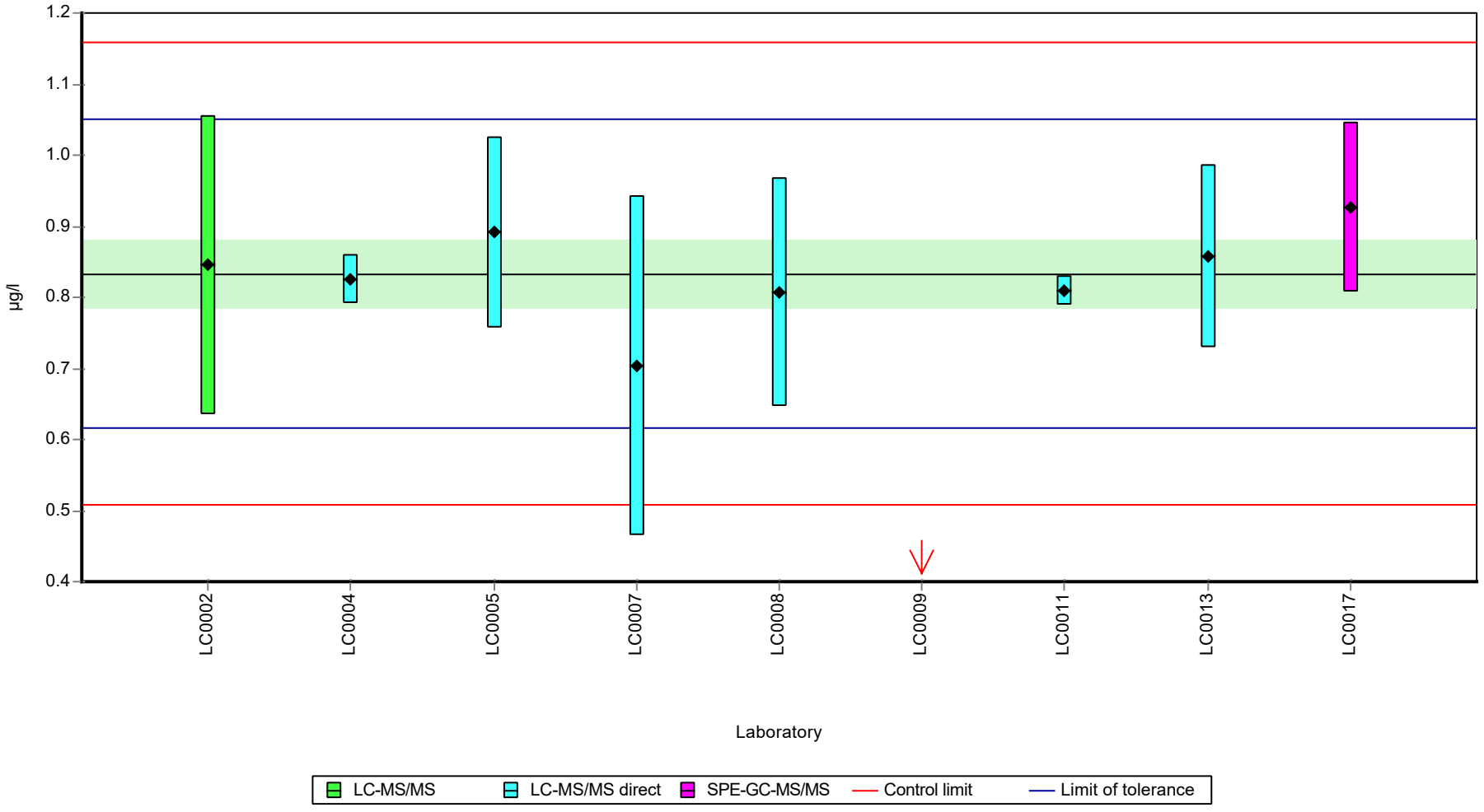
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	0.845	0.21	101	0.11	
LC0003	-	-	-	-	
LC0004	0.825	0.035	99	-0.08	
LC0005	0.891	0.134	107	0.53	
LC0006	-	-	-	-	
LC0007	0.7035	0.23905	84.4	-1.2	
LC0008	0.807	0.16	96.9	-0.24	
LC0009	0.241	0.048	28.9	-5.47	H
LC0010	-	-	-	-	
LC0011	0.81	0.021	97.2	-0.21	
LC0012	-	-	-	-	
LC0013	0.857	0.129	103	0.22	
LC0014	-	-	-	-	
LC0015	-	-	-	-	
LC0016	-	-	-	-	
LC0017	0.927	0.1199	111	0.87	

Characteristics of parameter

	all results	w ithout outliers	Unit
Mean ± CI (99%)	0.767 ± 0.207	0.833 ± 0.0705	µg/l
Minimum	0.241	0.704	µg/l
Maximum	0.927	0.927	µg/l
Standard deviation	0.207	0.0665	µg/l
rel. standard deviation	27	7.98	%
n	9	8	-

Graphical presentation of results

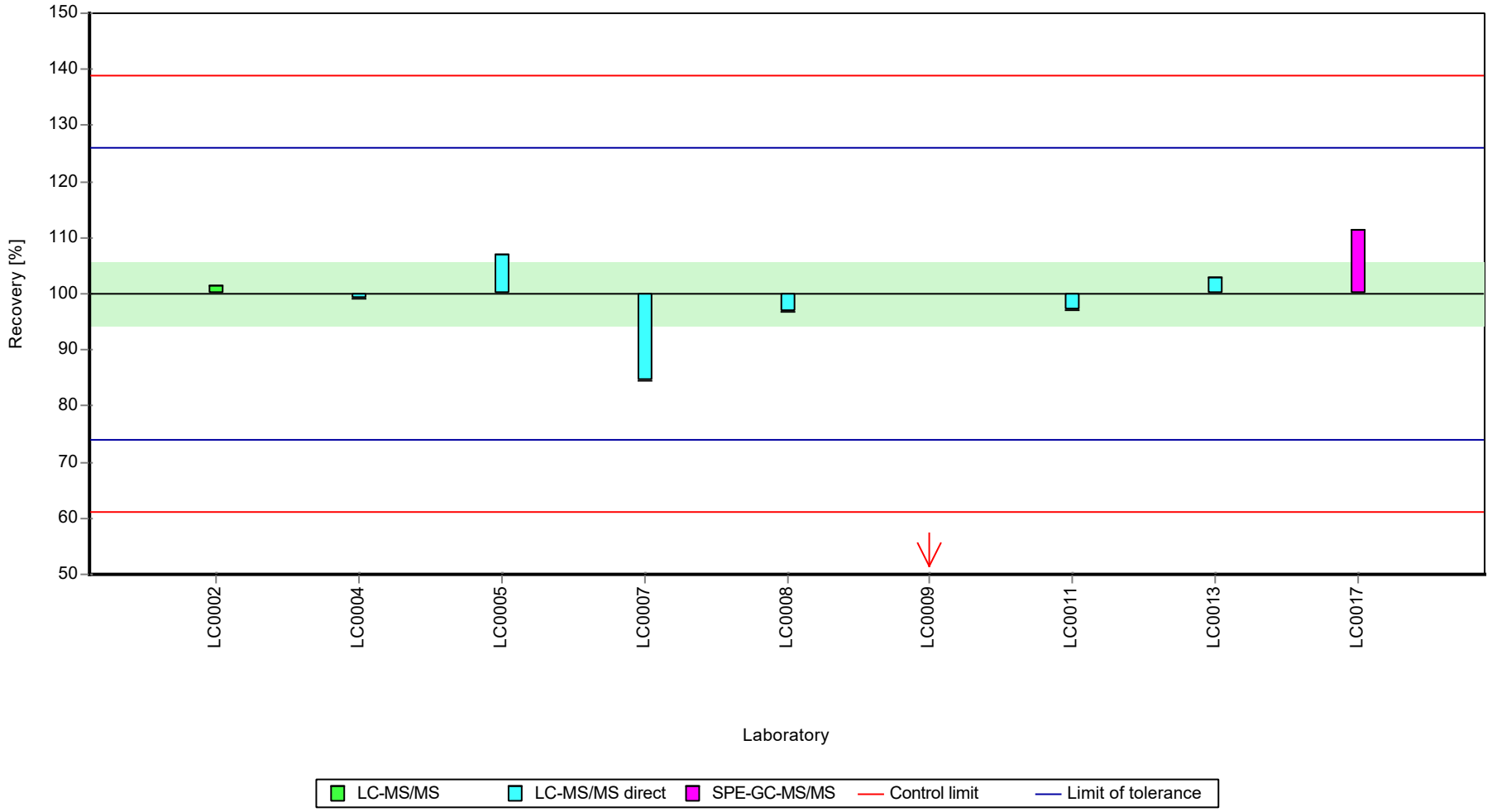
Results



Parameter oriented report Pesticides H117

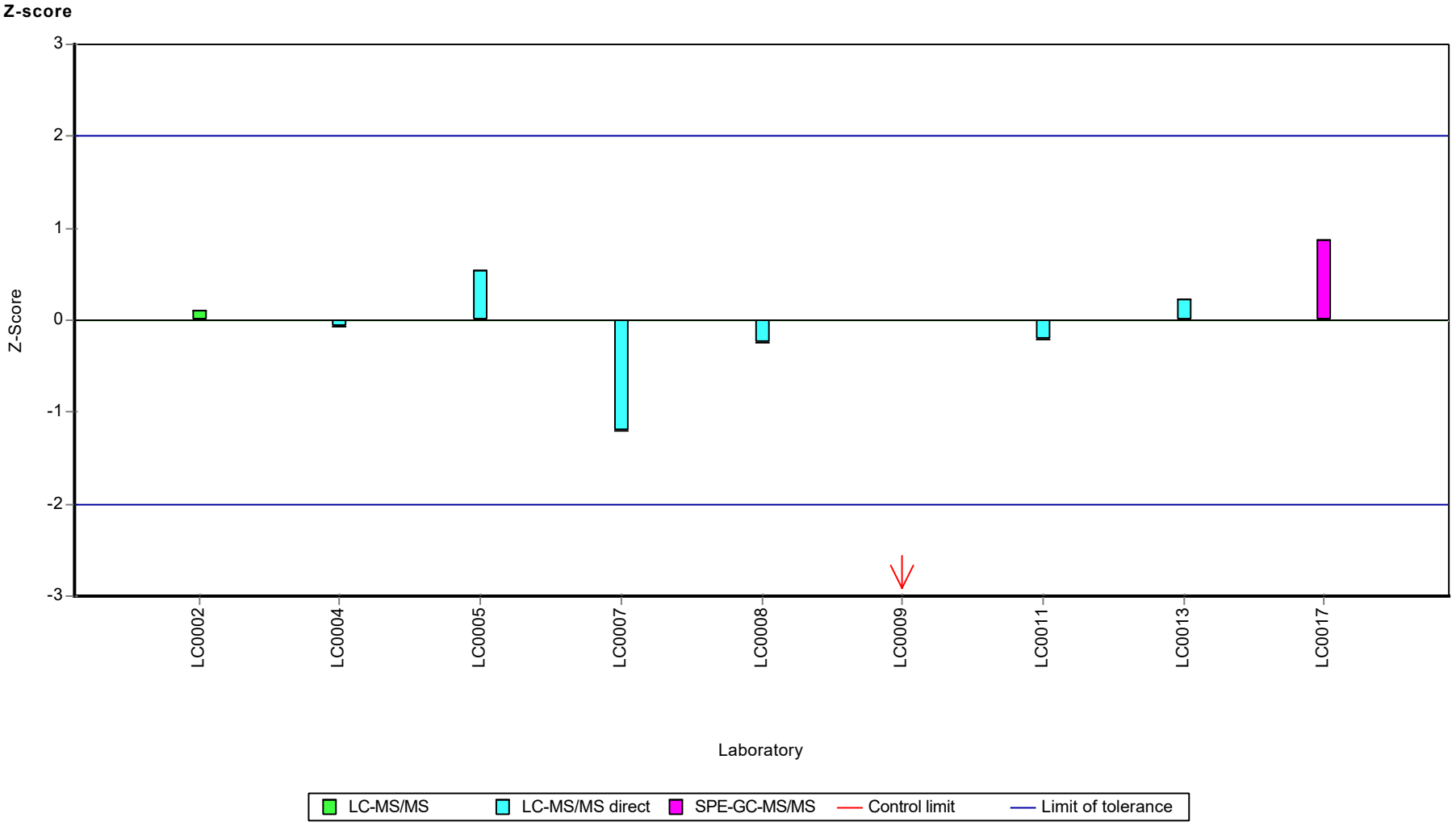
Sample: H117B, Parameter: Propazine

Recovery rate



Parameter oriented report Pesticides H117

Sample: H117B, Parameter: Propazine



Parameter oriented report

H117 A

Sum Chlordane**

Unit	µg/l
Assigned value ± U (k=2)	-
Criterion	-
Minimum - Maximum	-
Control test value ± U (k=2)	0.508 ± 0.178

**the calculated mean value CL-MV +/- U(k=2) based on the control laboratory is listed for information.

This can be used for comparison as part of your internal QA measures: CL-MV(n=5) +/- U(k=2): 0.508 +/- 0.178 µg/l

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	-	-	-	-	
LC0006	-	-	-	-	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	-	-	-	-	
LC0010	-	-	-	-	
LC0011	-	-	-	-	
LC0012	-	-	-	-	
LC0013	-	-	-	-	
LC0014	-	-	-	-	
LC0015	-	-	-	-	
LC0016	-	-	-	-	
LC0017	-	-	-	-	

Characteristics of parameter

	all results	w ithout outliers	Unit
Mean ± Cl (99%)	-	-	µg/l
Minimum	-	-	µg/l
Maximum	-	-	µg/l
Standard deviation	-	-	µg/l
rel. standard deviation	-	-	%
n	0	0	-

Parameter oriented report

H117 B

Sum Chlordane**

Unit	µg/l
Assigned value ± U (k=2)	-
Criterion	-
Minimum - Maximum	-
Control test value ± U (k=2)	0.489 ± 0.171

**the calculated mean value CL-MV +/- U(k=2) based on the control laboratory is listed for information.

This can be used for comparison as part of your internal QA measures: CL-MV(n=5) +/- U(k=2): 0.489 +/- 0.171 µg/l

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	-	-	-	-	
LC0006	-	-	-	-	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	-	-	-	-	
LC0010	-	-	-	-	
LC0011	-	-	-	-	
LC0012	-	-	-	-	
LC0013	-	-	-	-	
LC0014	-	-	-	-	
LC0015	-	-	-	-	
LC0016	-	-	-	-	
LC0017	-	-	-	-	

Characteristics of parameter

	all results	w ithout outliers	Unit
Mean ± Cl (99%)	-	-	µg/l
Minimum	-	-	µg/l
Maximum	-	-	µg/l
Standard deviation	-	-	µg/l
rel. standard deviation	-	-	%
n	0	0	-

Parameter oriented report

H117 A

Sum DDD**

Unit	µg/l
Assigned value ± U (k=2)	-
Criterion	-
Minimum - Maximum	0.152 - 0.254
Control test value ± U (k=2)	0.501 ± 0.15

**the calculated mean value CL-MV +/- U(k=2) based on the control laboratory is listed for information.

This can be used for comparison as part of your internal QA measures: CL-MV(n=5) +/- U(k=2): 0.501 +/- 0.150 µg/l

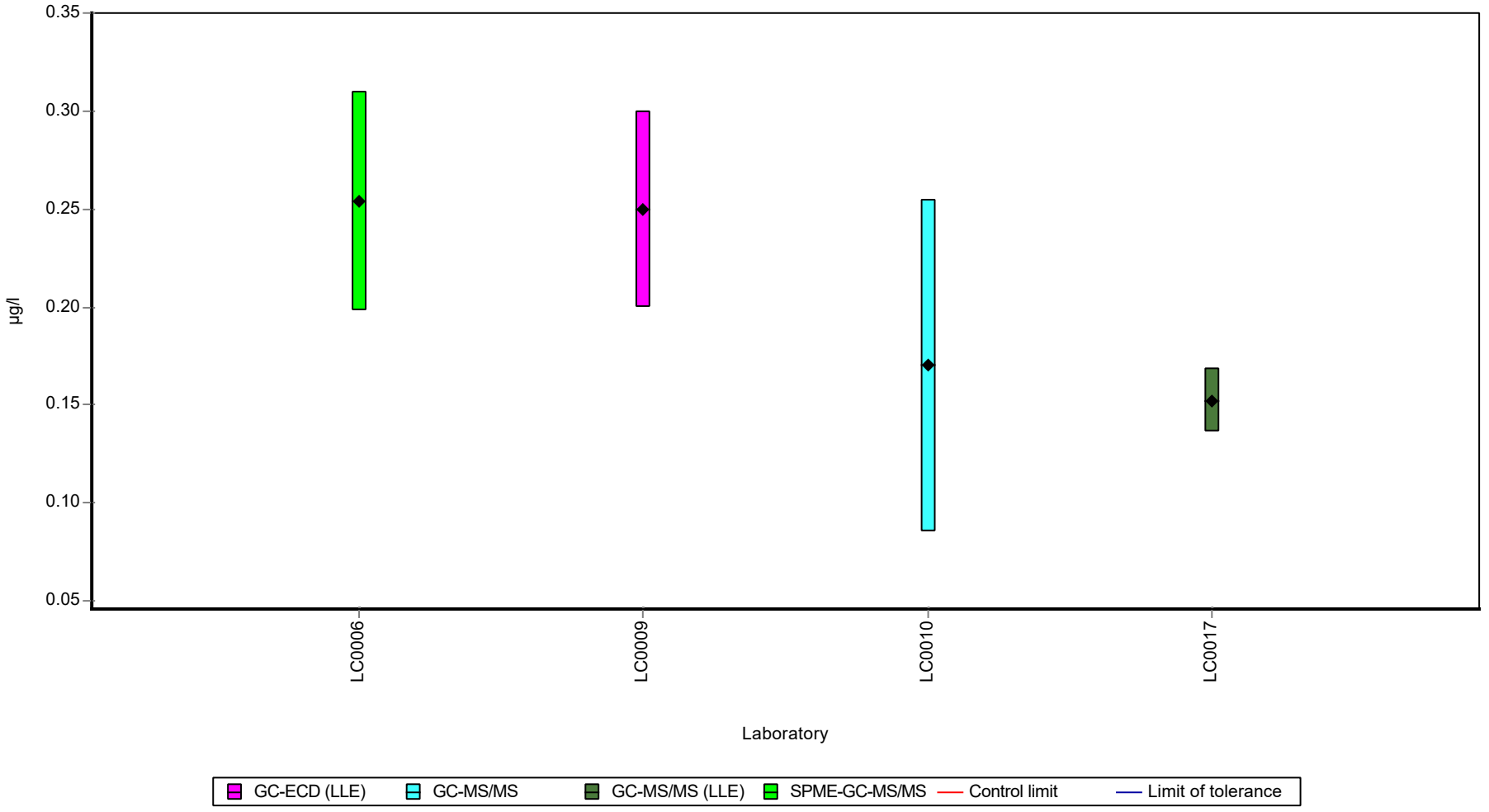
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	-	-	-	-	
LC0006	0.254	0.056	-	-	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	0.25	0.05	-	-	
LC0010	0.17	0.085	-	-	
LC0011	-	-	-	-	
LC0012	-	-	-	-	
LC0013	-	-	-	-	
LC0014	-	-	-	-	
LC0015	-	-	-	-	
LC0016	-	-	-	-	
LC0017	0.152	0.0163	-	-	

Characteristics of parameter

	all results	w ithout outliers	Unit
Mean ± Cl (99%)	0.206 ± 0.0796	-	µg/l
Minimum	0.152	0.152	µg/l
Maximum	0.254	0.254	µg/l
Standard deviation	0.0531	-	µg/l
rel. standard deviation	25.7	-	%
n	4	4	-

Graphical presentation of results

Results



Parameter oriented report

H117 B

Sum DDD*

Unit	µg/l
Assigned value ± U (k=2)	-
Criterion	-
Minimum - Maximum	0.442 - 0.743
Control test value ± U (k=2)	0.893 ± 0.268

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

This can be used for comparison as part of your internal QA measures: MV(n=4) +/- U(k=2): 0.532 +/- 0.143 µg/l

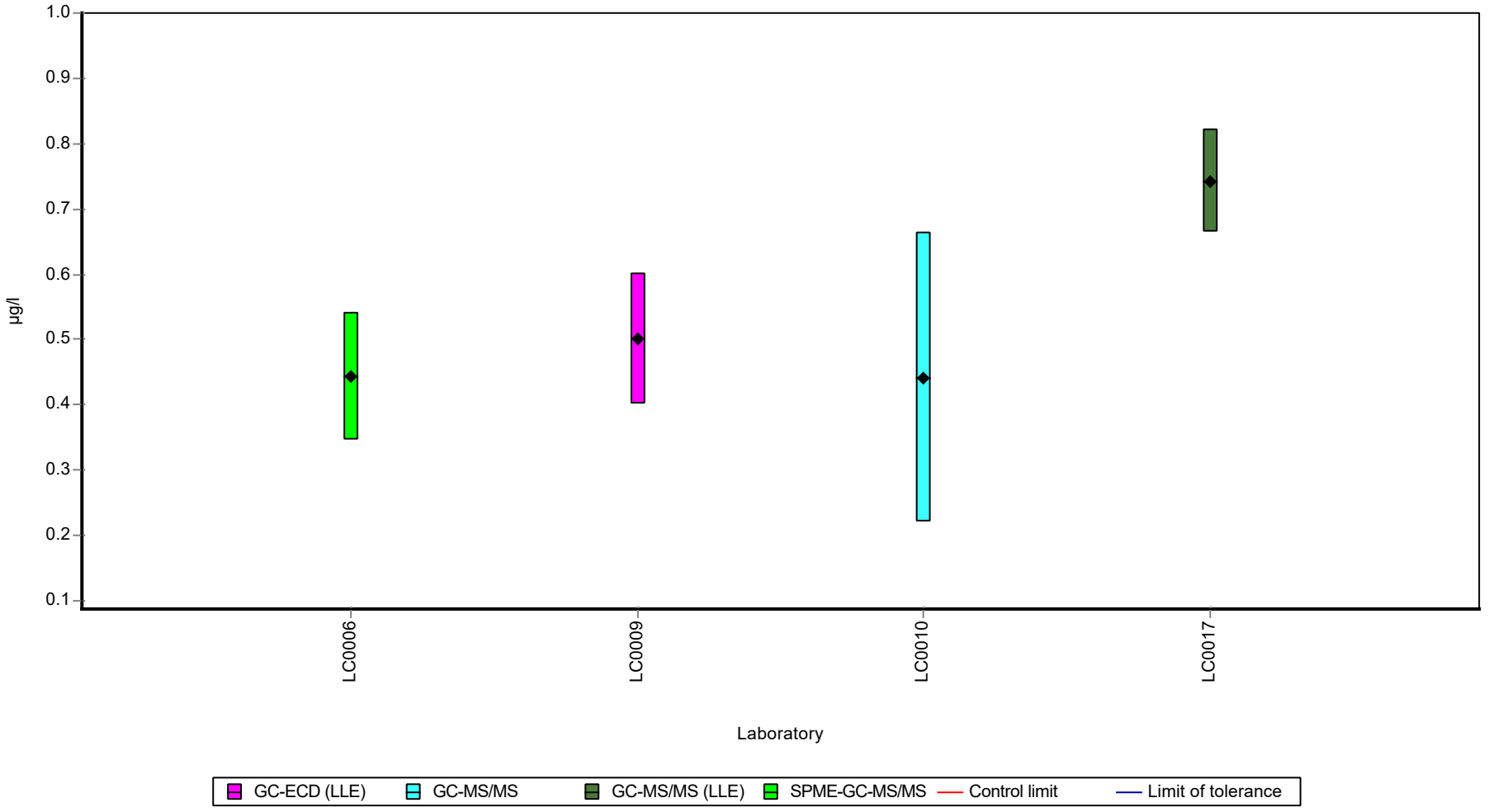
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	-	-	-	-	
LC0006	0.443	0.098	-	-	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	0.501	0.1	-	-	
LC0010	0.442	0.221	-	-	
LC0011	-	-	-	-	
LC0012	-	-	-	-	
LC0013	-	-	-	-	
LC0014	-	-	-	-	
LC0015	-	-	-	-	
LC0016	-	-	-	-	
LC0017	0.743	0.0795	-	-	

Characteristics of parameter

	all results	w ithout outliers	Unit
Mean ± Cl (99%)	0.532 ± 0.215	-	µg/l
Minimum	0.442	0.442	µg/l
Maximum	0.743	0.743	µg/l
Standard deviation	0.143	-	µg/l
rel. standard deviation	26.9	-	%
n	4	4	-

Graphical presentation of results

Results



Parameter oriented report

H117 A

Sum DDE**

Unit	µg/l
Assigned value ± U (k=2)	-
Criterion	-
Minimum - Maximum	0.0752 - 0.275
Control test value ± U (k=2)	0.715 ± 0.214

**the calculated mean value CL-MV +/- U(k=2) based on the control laboratory is listed for information.

This can be used for comparison as part of your internal QA measures: CL-MV(n=5) +/- U(k=2): 0.715 +/- 0.214 µg/l

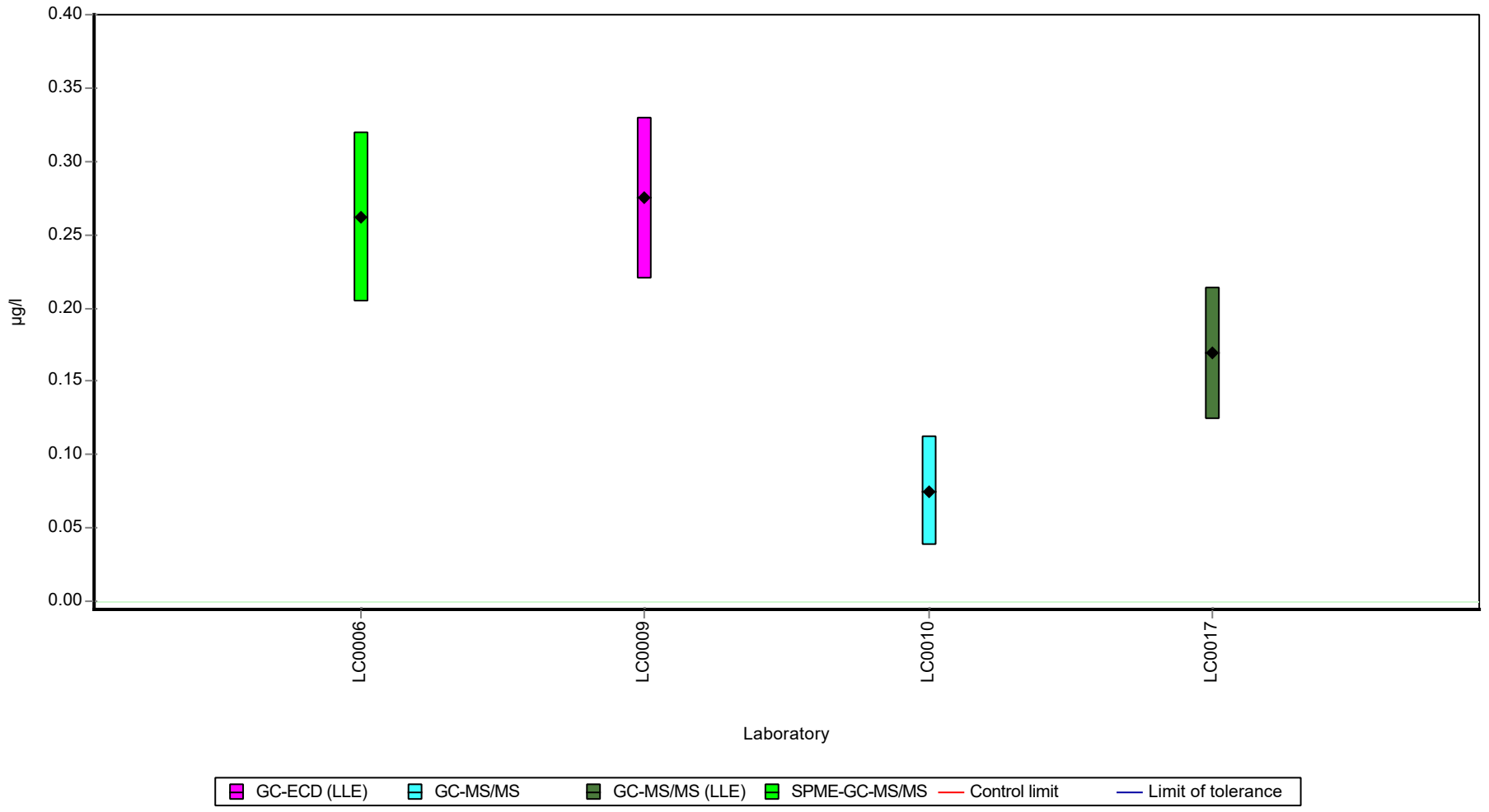
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	-	-	-	-	
LC0006	0.262	0.058	-	-	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	0.275	0.055	-	-	
LC0010	0.0752	0.037	-	-	
LC0011	-	-	-	-	
LC0012	-	-	-	-	
LC0013	-	-	-	-	
LC0014	-	-	-	-	
LC0015	-	-	-	-	
LC0016	-	-	-	-	
LC0017	0.169	0.0451	-	-	

Characteristics of parameter

	all results	w ithout outliers	Unit
Mean ± Cl (99%)	0.195 ± 0.139	-	µg/l
Minimum	0.0752	0.0752	µg/l
Maximum	0.275	0.275	µg/l
Standard deviation	0.0929	-	µg/l
rel. standard deviation	47.6	-	%
n	4	4	-

Graphical presentation of results

Results



Parameter oriented report

H117 B

Sum DDE**

Unit	µg/l
Assigned value ± U (k=2)	-
Criterion	-
Minimum - Maximum	0.218 - 0.515
Control test value ± U (k=2)	0.855 ± 0.256

**the calculated mean value CL-MV +/- U(k=2) based on the control laboratory is listed for information.

This can be used for comparison as part of your internal QA measures: CL-MV(n=5) +/- U(k=2): 0.855 +/- 0.256 µg/l

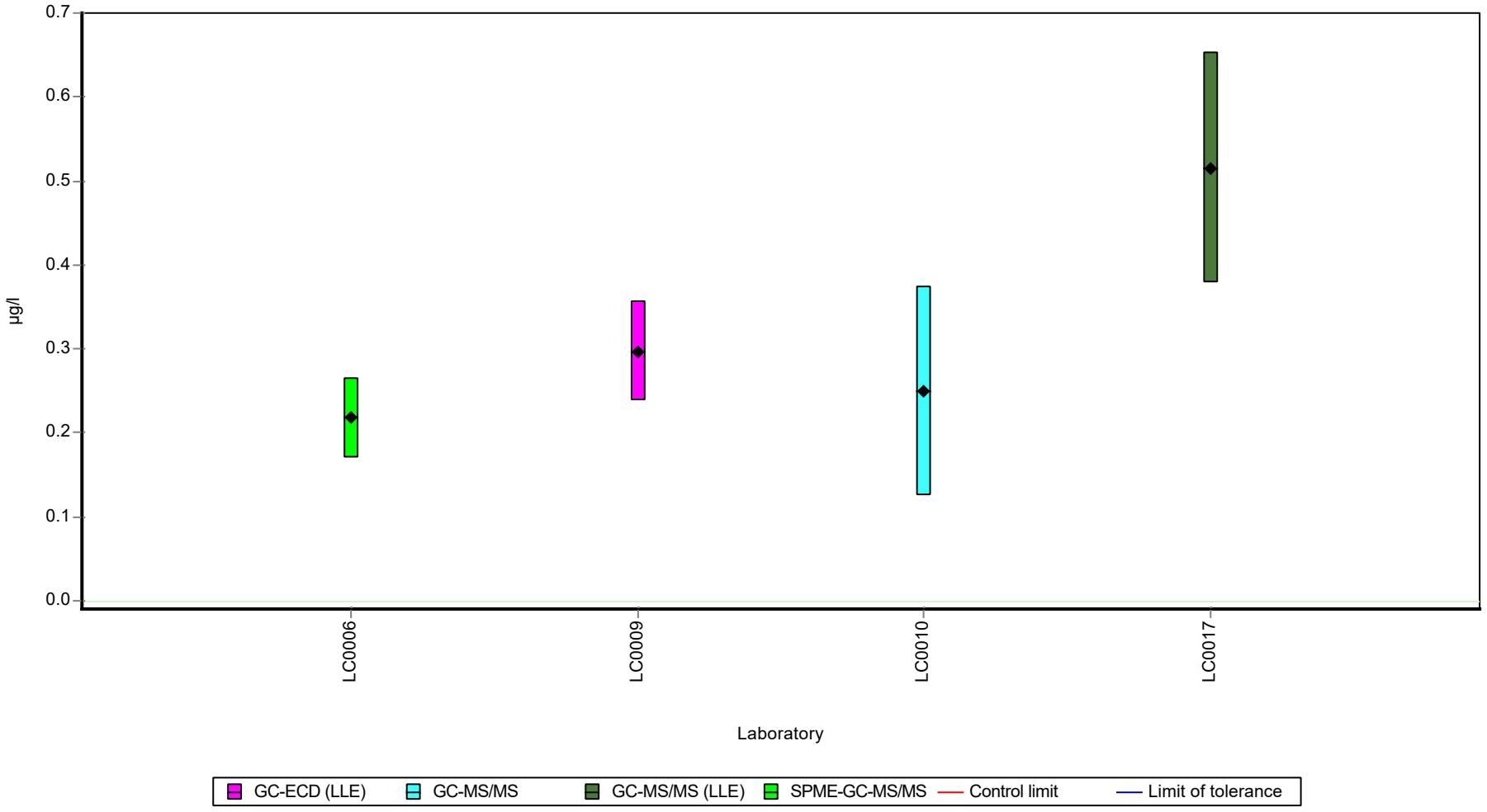
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	-	-	-	-	
LC0006	0.218	0.048	-	-	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	0.297	0.059	-	-	
LC0010	0.25	0.125	-	-	
LC0011	-	-	-	-	
LC0012	-	-	-	-	
LC0013	-	-	-	-	
LC0014	-	-	-	-	
LC0015	-	-	-	-	
LC0016	-	-	-	-	
LC0017	0.515	0.1375	-	-	

Characteristics of parameter

	all results	w ithout outliers	Unit
Mean ± Cl (99%)	0.32 ± 0.201	-	µg/l
Minimum	0.218	0.218	µg/l
Maximum	0.515	0.515	µg/l
Standard deviation	0.134	-	µg/l
rel. standard deviation	41.9	-	%
n	4	4	-

Graphical presentation of results

Results



Parameter oriented report

H117 A

Sum DDT**

Unit	µg/l
Assigned value ± U (k=2)	-
Criterion	-
Minimum - Maximum	0.137 - 0.353
Control test value ± U (k=2)	0.438 ± 0.175

**the calculated mean value CL-MV +/- U(k=2) based on the control laboratory is listed for information.

This can be used for comparison as part of your internal QA measures: CL-MV(n=5) +/- U(k=2): 0.438 +/- 0.175 µg/l

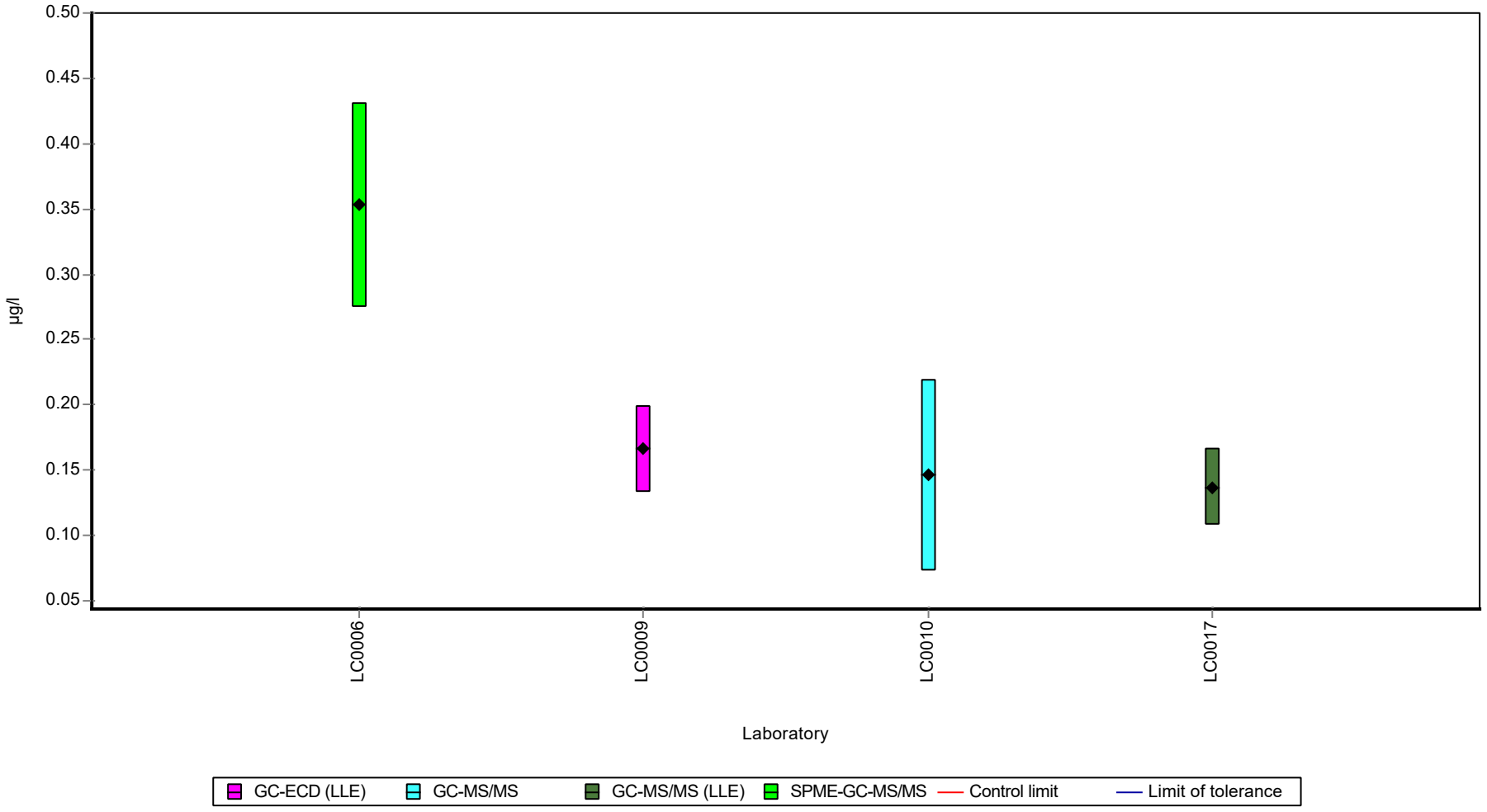
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	-	-	-	-	
LC0006	0.353	0.078	-	-	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	0.166	0.033	-	-	
LC0010	0.146	0.073	-	-	
LC0011	-	-	-	-	
LC0012	-	-	-	-	
LC0013	-	-	-	-	
LC0014	-	-	-	-	
LC0015	-	-	-	-	
LC0016	-	-	-	-	
LC0017	0.137	0.0294	-	-	

Characteristics of parameter

	all results	w ithout outliers	Unit
Mean ± Cl (99%)	0.201 ± 0.154	-	µg/l
Minimum	0.137	0.137	µg/l
Maximum	0.353	0.353	µg/l
Standard deviation	0.102	-	µg/l
rel. standard deviation	51.1	-	%
n	4	4	-

Graphical presentation of results

Results



Parameter oriented report

H117 B

Sum DDT*

Unit	µg/l
Assigned value ± U (k=2)	-
Criterion	-
Minimum - Maximum	0.263 - 0.731
Control test value ± U (k=2)	0.703 ± 0.281

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

This can be used for comparison as part of your internal QA measures: MV(n=4) +/- U(k=2): 0.464 +/- 0.204 µg/l

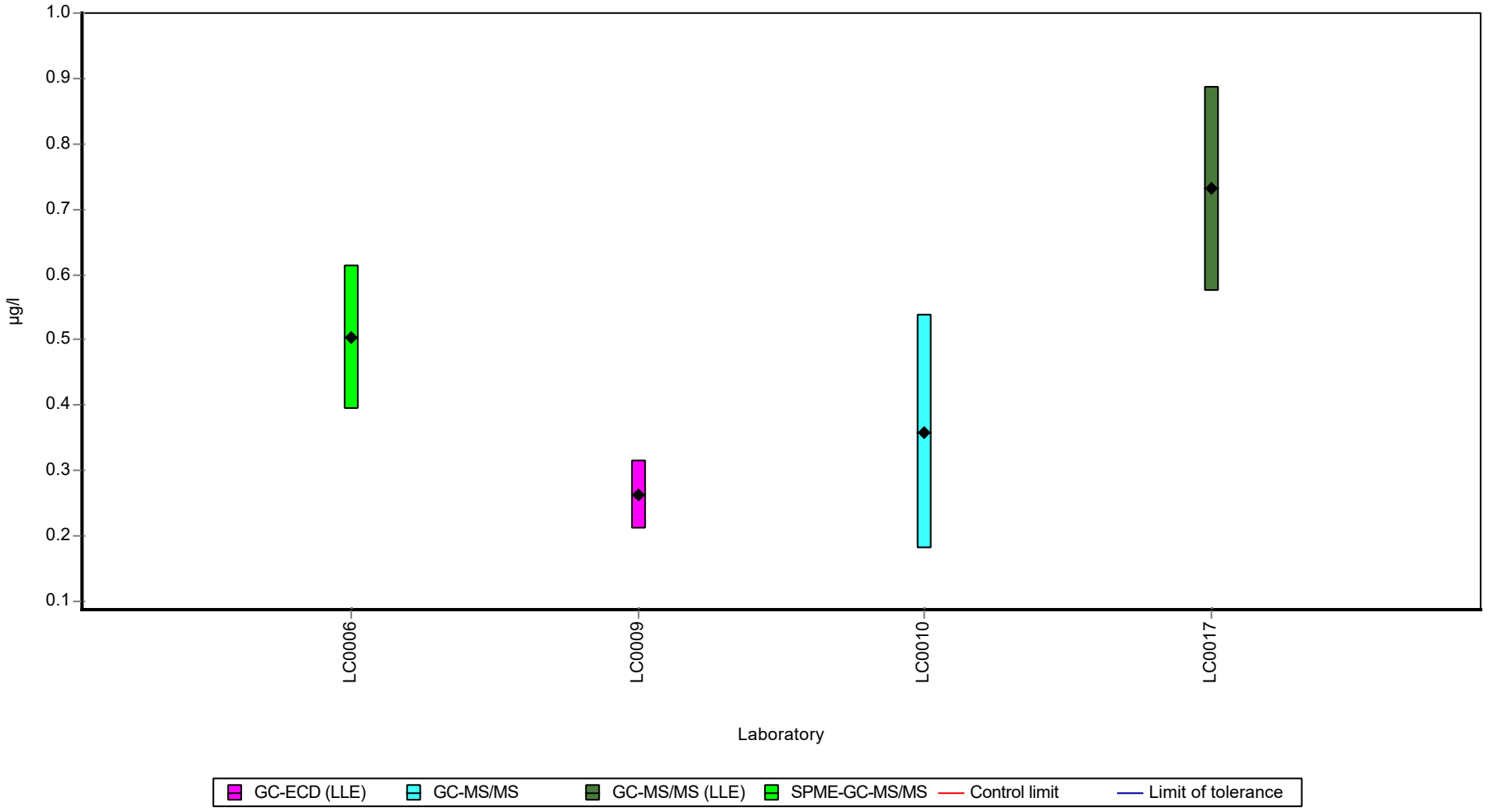
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	-	-	-	-	
LC0006	0.504	0.11	-	-	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	0.263	0.053	-	-	
LC0010	0.359	0.18	-	-	
LC0011	-	-	-	-	
LC0012	-	-	-	-	
LC0013	-	-	-	-	
LC0014	-	-	-	-	
LC0015	-	-	-	-	
LC0016	-	-	-	-	
LC0017	0.731	0.1567	-	-	

Characteristics of parameter

	all results	w ithout outliers	Unit
Mean ± Cl (99%)	0.464 ± 0.305	-	µg/l
Minimum	0.263	0.263	µg/l
Maximum	0.731	0.731	µg/l
Standard deviation	0.204	-	µg/l
rel. standard deviation	43.8	-	%
n	4	4	-

Graphical presentation of results

Results



Parameter oriented report

H117 A

Sum Endosulfan*

Unit	µg/l
Assigned value ± U (k=2)	-
Criterion	-
Minimum - Maximum	0.291 - 0.322
Control test value ± U (k=2)	0.453 ± 0.204

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

This can be used for comparison as part of your internal QA measures: MV(n=3) +/- U(k=2): 0.309 +/- 0.0188 µg/l

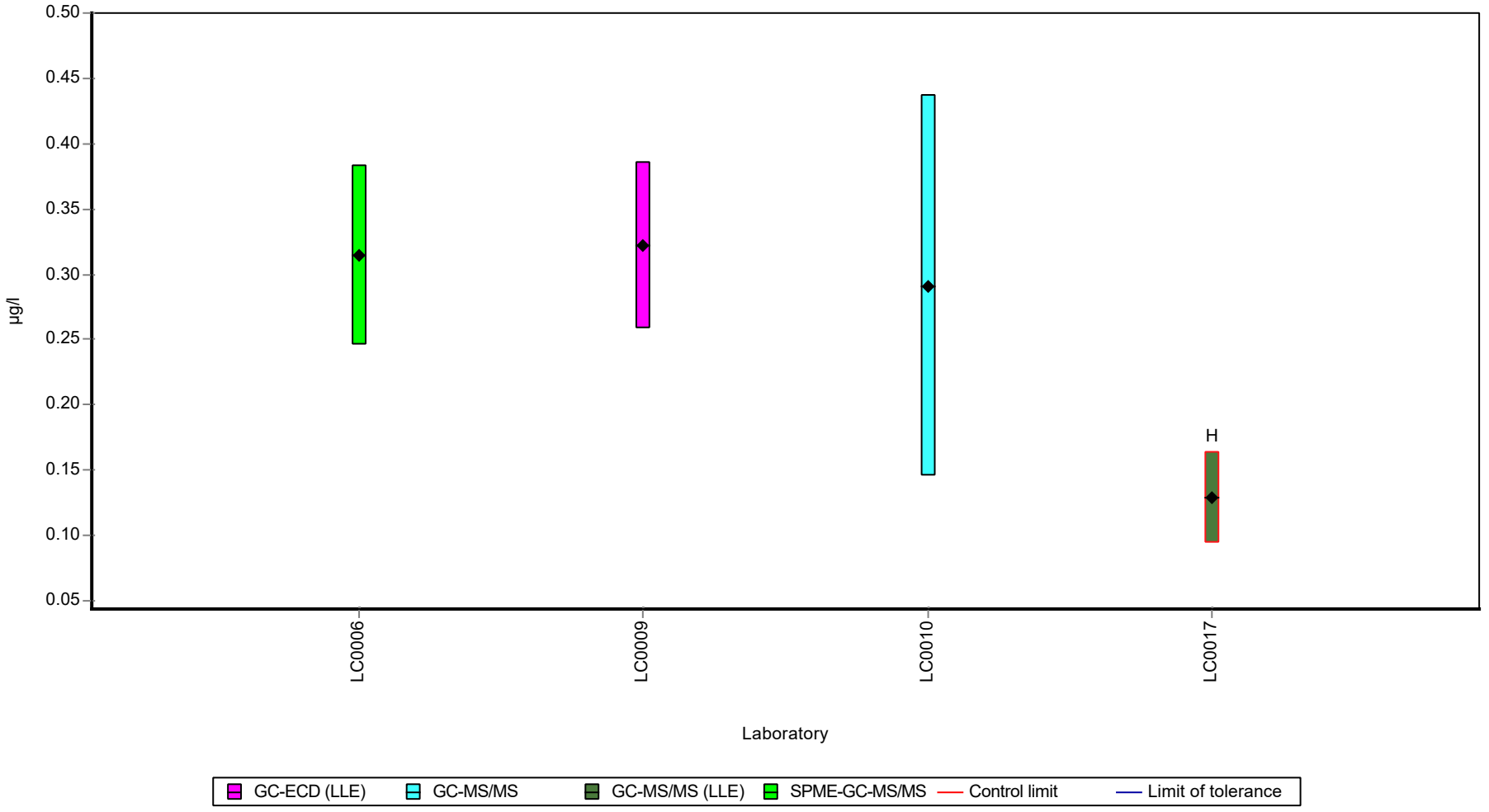
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	-	-	-	-	
LC0006	0.315	0.069	-	-	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	0.322	0.064	-	-	
LC0010	0.291	0.146	-	-	
LC0011	-	-	-	-	
LC0012	-	-	-	-	
LC0013	-	-	-	-	
LC0014	-	-	-	-	
LC0015	-	-	-	-	
LC0016	-	-	-	-	
LC0017	0.129	0.0348	-	-	H

Characteristics of parameter

	all results	w ithout outliers	Unit
Mean ± Cl (99%)	0.264 ± 0.137	-	µg/l
Minimum	0.129	0.291	µg/l
Maximum	0.322	0.322	µg/l
Standard deviation	0.0911	-	µg/l
rel. standard deviation	34.5	-	%
n	4	3	-

Graphical presentation of results

Results



Parameter oriented report

H117 B

Sum Endosulfan*

Unit	µg/l
Assigned value ± U (k=2)	-
Criterion	-
Minimum - Maximum	0.436 - 0.537
Control test value ± U (k=2)	0.716 ± 0.322

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

This can be used for comparison as part of your internal QA measures: MV(n=4) +/- U(k=2): 0.492 +/- 0.0446 µg/l

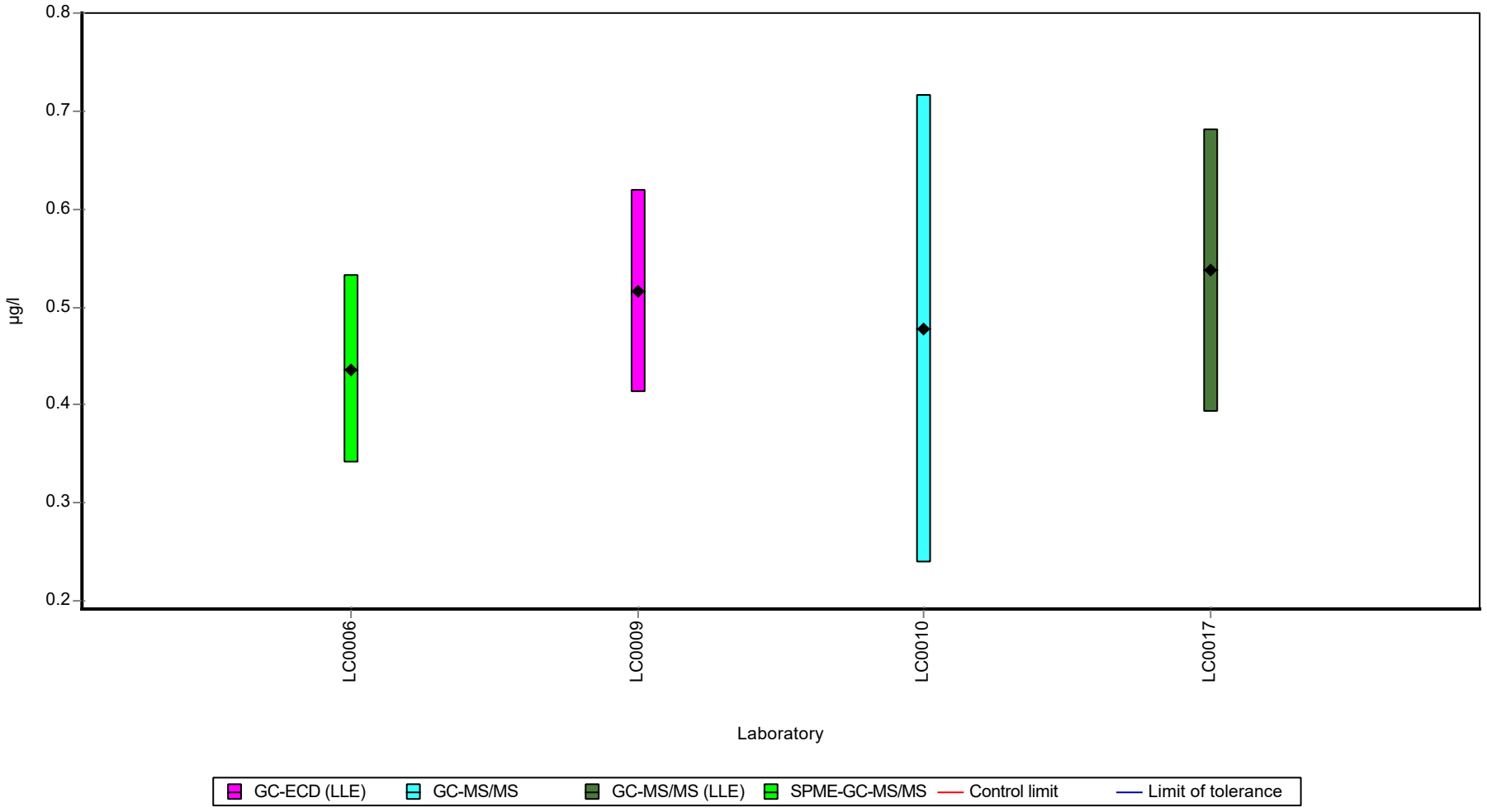
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	-	-	-	-	
LC0006	0.436	0.096	-	-	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	0.516	0.103	-	-	
LC0010	0.477	0.239	-	-	
LC0011	-	-	-	-	
LC0012	-	-	-	-	
LC0013	-	-	-	-	
LC0014	-	-	-	-	
LC0015	-	-	-	-	
LC0016	-	-	-	-	
LC0017	0.537	0.145	-	-	

Characteristics of parameter

	all results	w ithout outliers	Unit
Mean ± Cl (99%)	0.491 ± 0.0669	-	µg/l
Minimum	0.436	0.436	µg/l
Maximum	0.537	0.537	µg/l
Standard deviation	0.0446	-	µg/l
rel. standard deviation	9.07	-	%
n	4	4	-

Graphical presentation of results

Results



Parameter oriented report

H117 A

Thiacloprid

Unit	µg/l
Assigned value ± U (k=2)	0.36 ± 0.0247
Criterion	0.0505 (14 %)
Minimum - Maximum	0.286 - 0.41
Control test value ± U (k=2)	0.454 ± 0.113

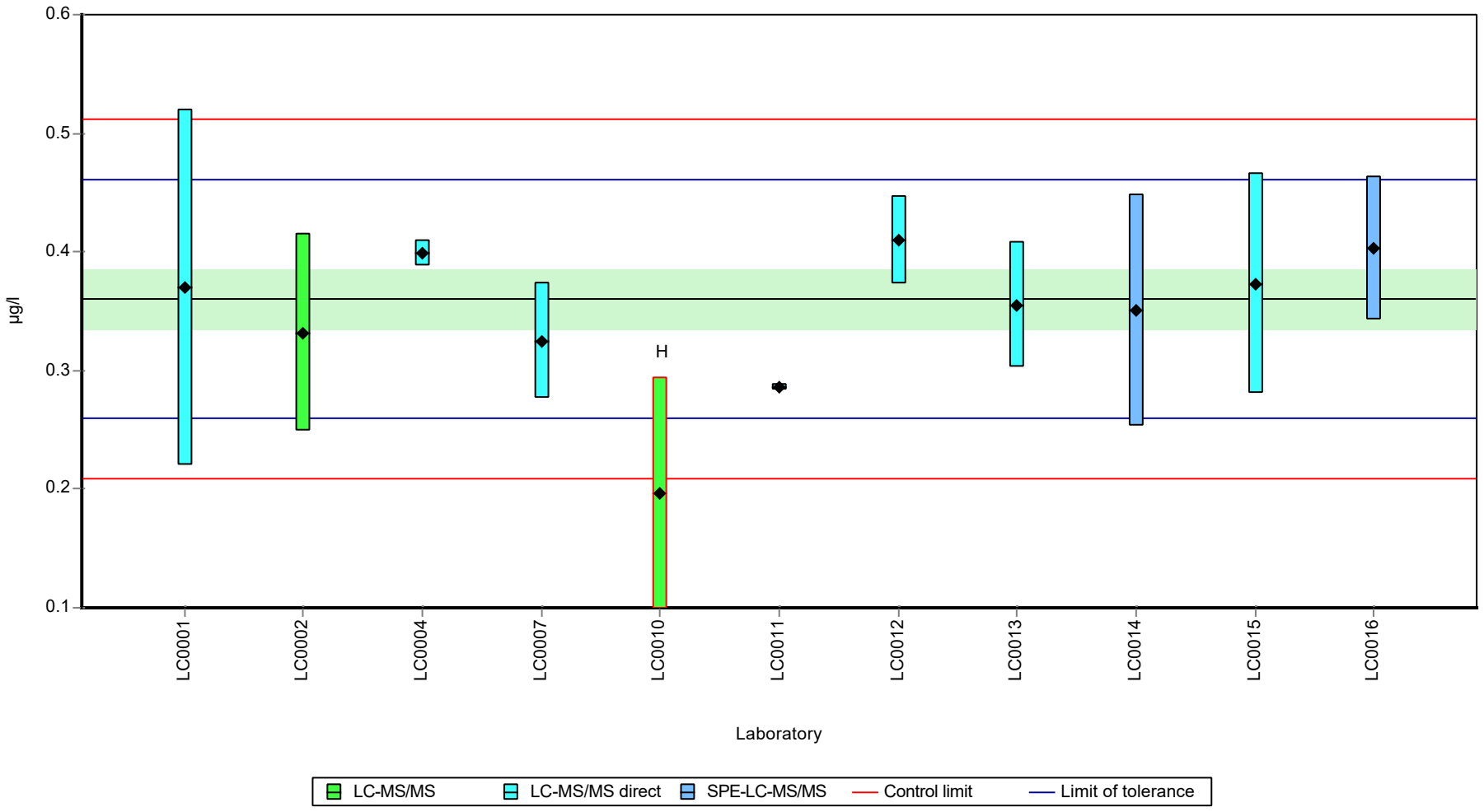
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.37	0.15	103	0.19	
LC0002	0.332	0.083	92.1	-0.56	
LC0003	-	-	-	-	
LC0004	0.399	0.011	111	0.76	
LC0005	-	-	-	-	
LC0006	-	-	-	-	
LC0007	0.325	0.04888	90.2	-0.7	
LC0008	-	-	-	-	
LC0009	-	-	-	-	
LC0010	0.196	0.098	54.4	-3.26	H
LC0011	0.286	0.003	79.3	-1.48	
LC0012	0.41	0.037	114	0.98	
LC0013	0.355	0.053	98.5	-0.11	
LC0014	0.3511	0.098	97.4	-0.18	
LC0015	0.3732	0.0933	104	0.25	
LC0016	0.403	0.06	112	0.84	
LC0017	-	-	-	-	

Characteristics of parameter

	all results	w ithout outliers	Unit
Mean ± Cl (99%)	0.345 ± 0.056	0.36 ± 0.0371	µg/l
Minimum	0.196	0.286	µg/l
Maximum	0.41	0.41	µg/l
Standard deviation	0.0619	0.0391	µg/l
rel. standard deviation	17.9	10.8	%
n	11	10	-

Graphical presentation of results

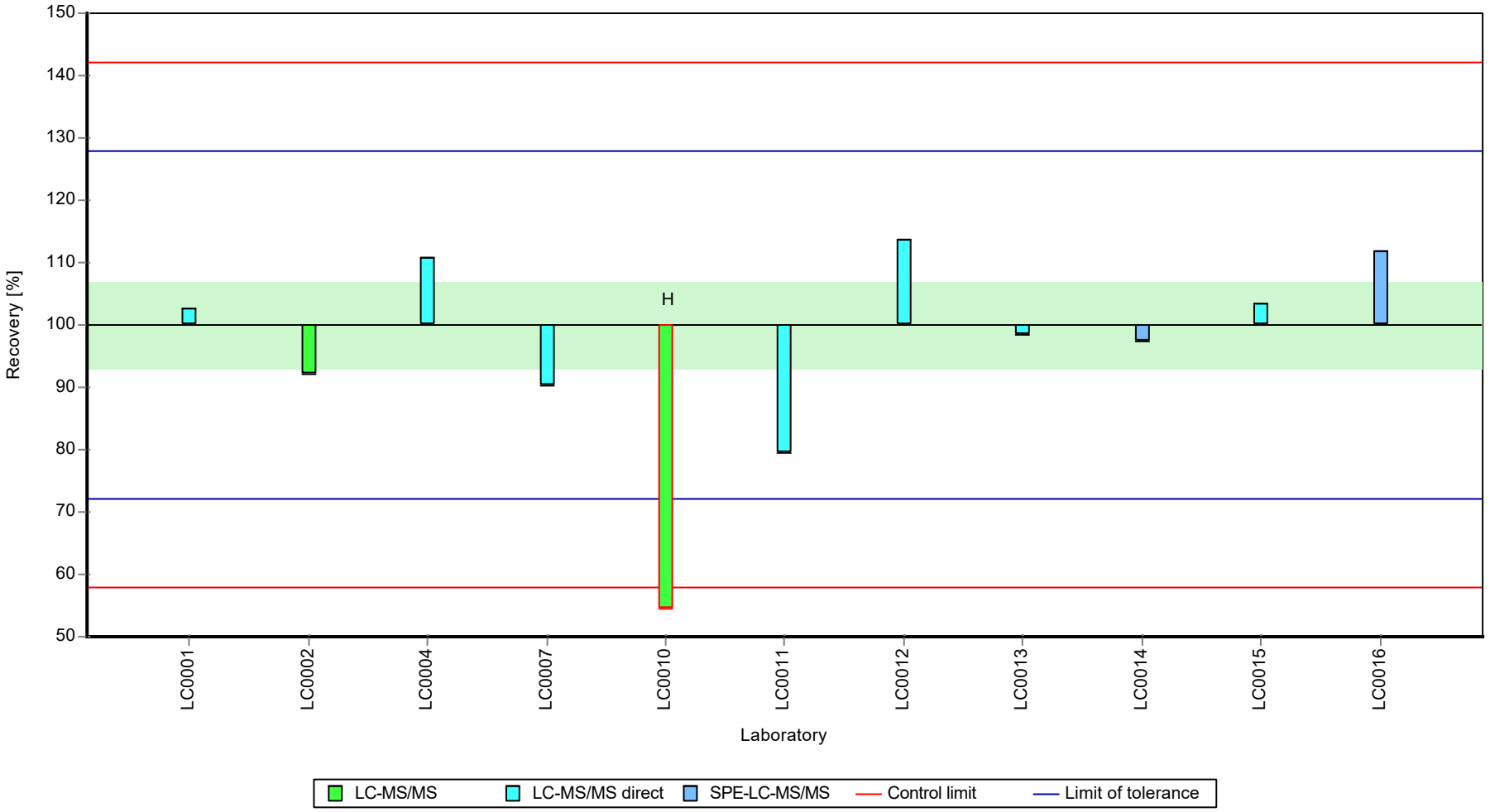
Results



Parameter oriented report Pesticides H117

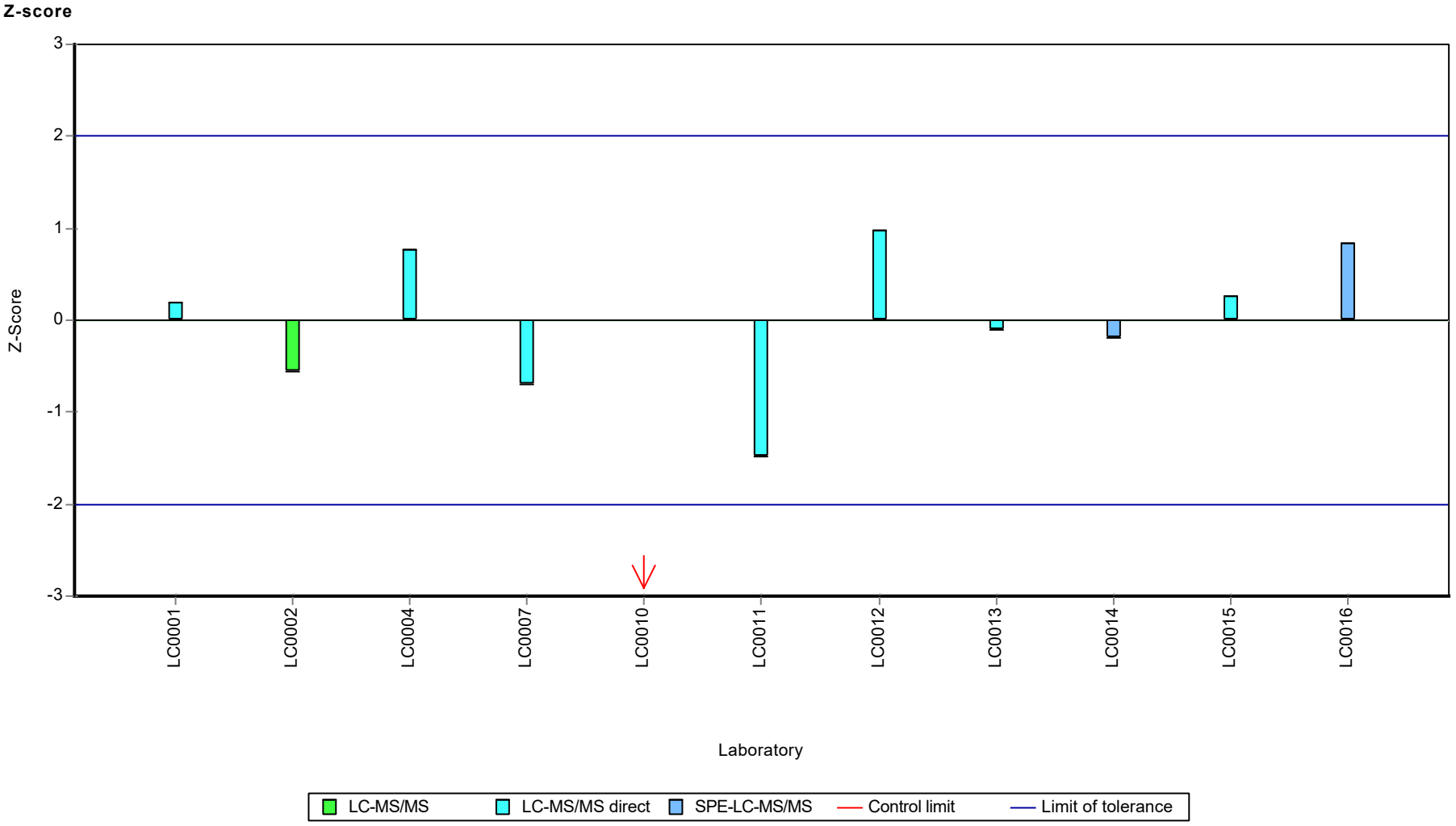
Sample: H117A, Parameter: Thiacloprid

Recovery rate



Parameter oriented report Pesticides H117

Sample: H117A, Parameter: Thiacloprid



Parameter oriented report

H117 B

Thiacloprid

Unit	µg/l
Assigned value ± U (k=2)	1.13 ± 0.106
Criterion	0.158 (14 %)
Minimum - Maximum	0.863 - 1.3
Control test value ± U (k=2)	1.24 ± 0.311

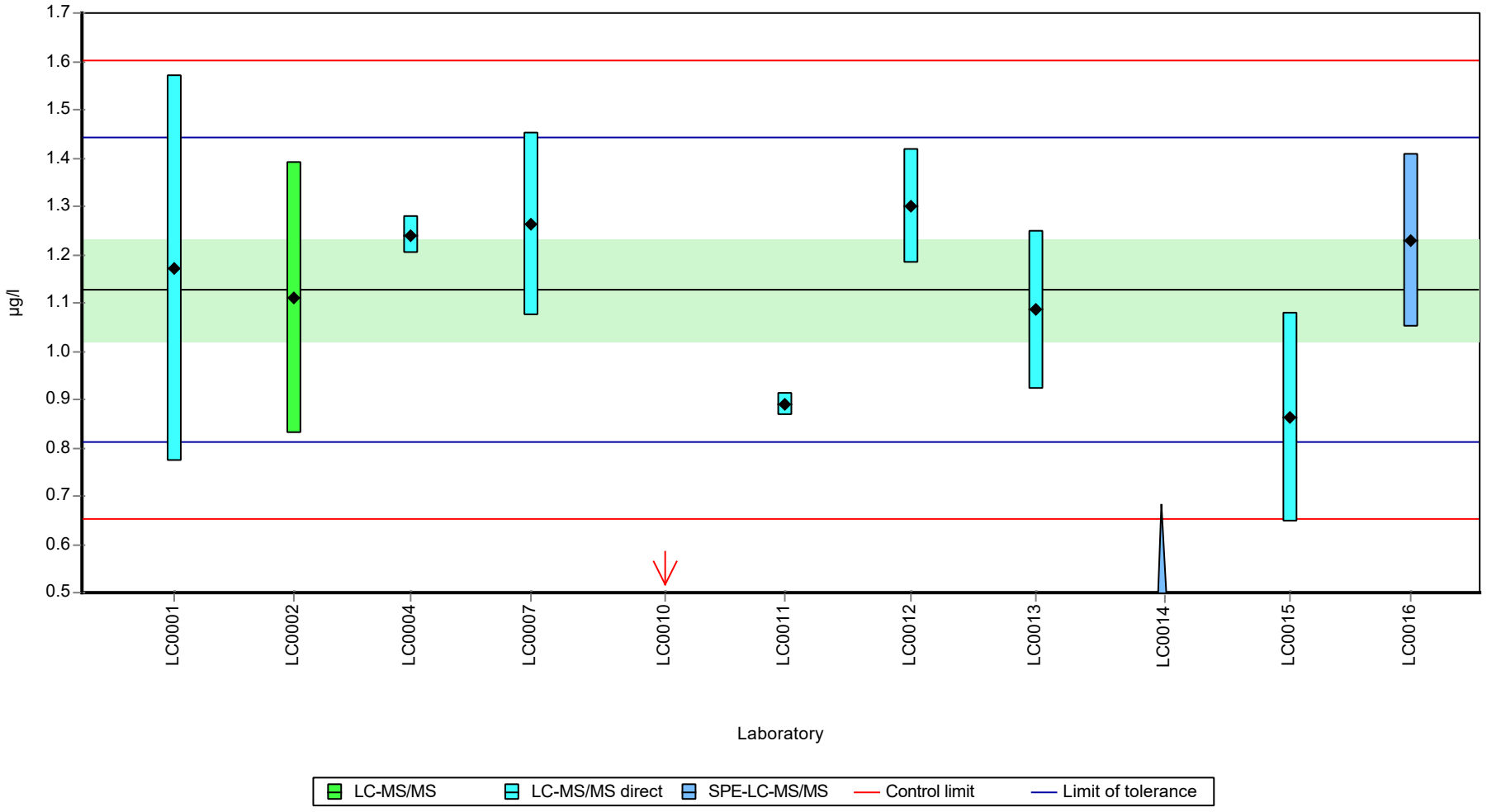
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	1.172	0.4	104	0.28	
LC0002	1.11	0.28	98.4	-0.11	
LC0003	-	-	-	-	
LC0004	1.24	0.039	110	0.71	
LC0005	-	-	-	-	
LC0006	-	-	-	-	
LC0007	1.2615	0.18973	112	0.85	
LC0008	-	-	-	-	
LC0009	-	-	-	-	
LC0010	0.294	0.147	26.1	-5.28	H
LC0011	0.889	0.023	78.8	-1.51	
LC0012	1.3	0.118	115	1.09	
LC0013	1.085	0.163	96.2	-0.27	
LC0014	>0.4	-	-	-	
LC0015	0.8625	0.2156	76.5	-1.68	
LC0016	1.23	0.18	109	0.65	
LC0017	-	-	-	-	

Characteristics of parameter

	all results	w ithout outliers	Unit
Mean ± Cl (99%)	1.04 ± 0.288	1.13 ± 0.159	µg/l
Minimum	0.294	0.863	µg/l
Maximum	1.3	1.3	µg/l
Standard deviation	0.303	0.159	µg/l
rel. standard deviation	29	14.1	%
n	10	9	-

Graphical presentation of results

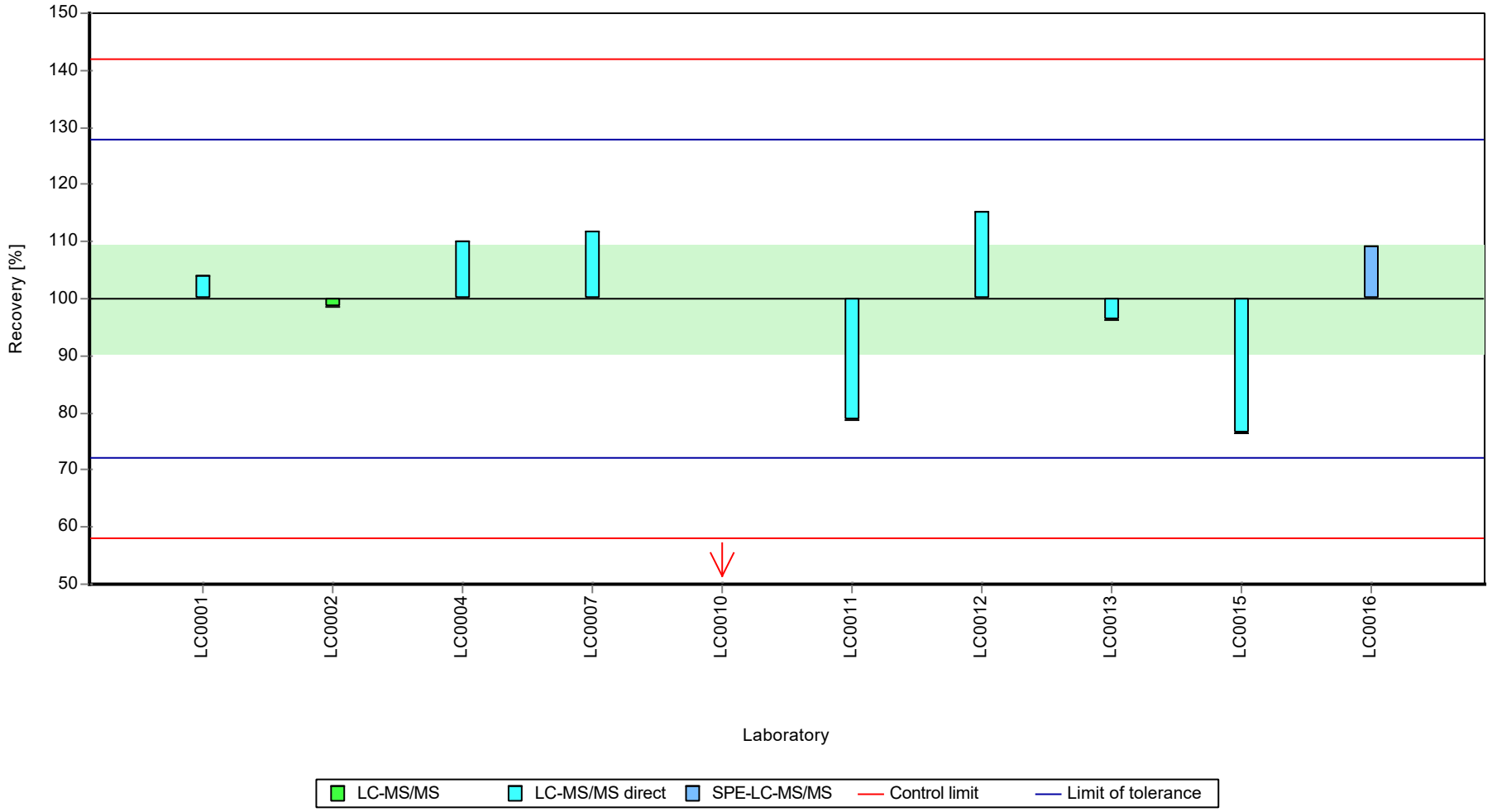
Results



Parameter oriented report Pesticides H117

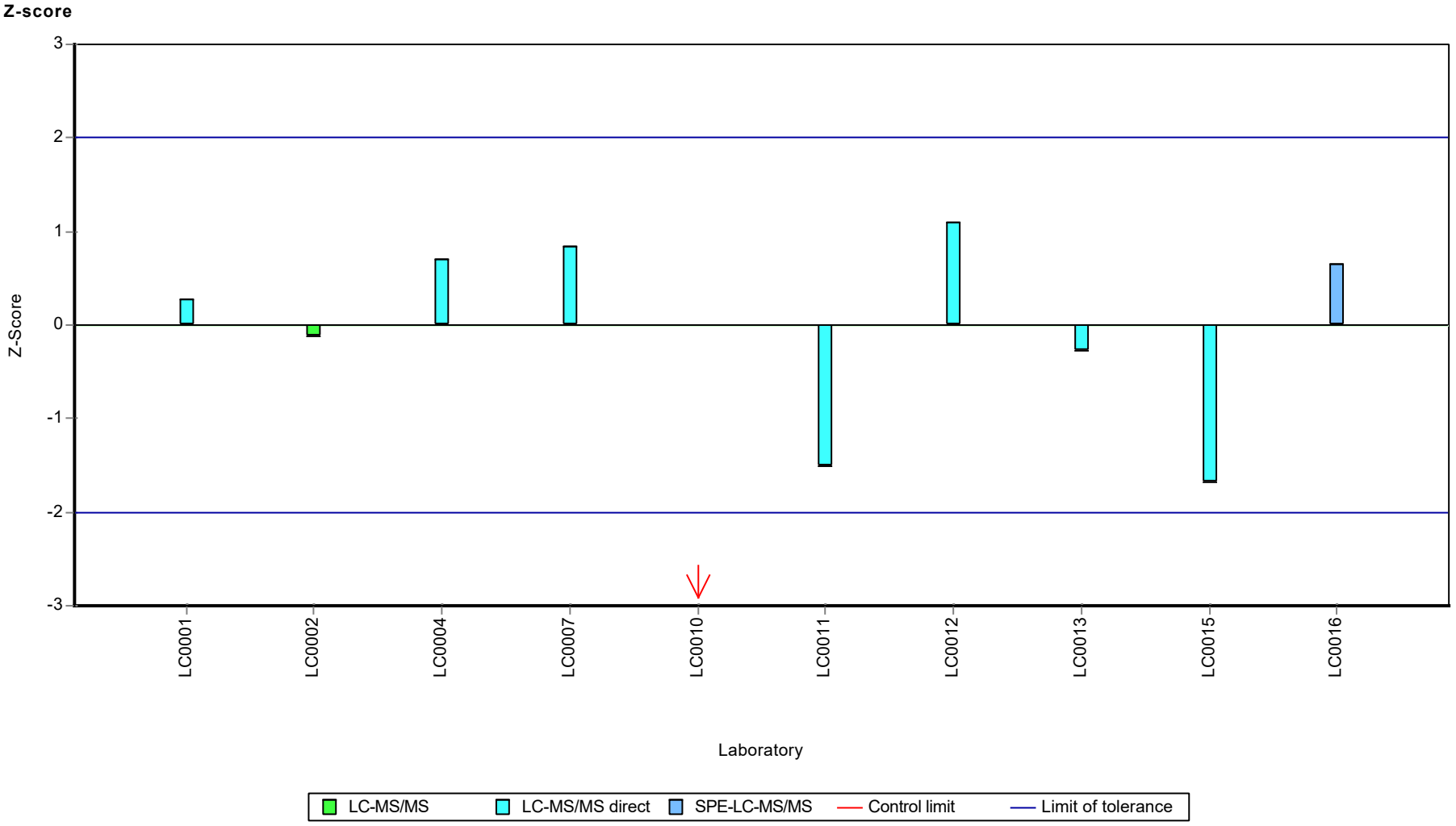
Sample: H117B, Parameter: Thiacloprid

Recovery rate



Parameter oriented report Pesticides H117

Sample: H117B, Parameter: Thiacloprid



Parameter oriented report

H117 A

Thiamethoxam

Unit	µg/l
Assigned value ± U (k=2)	0.249 ± 0.0129
Criterion	0.0424 (17 %)
Minimum - Maximum	0.207 - 0.281
Control test value ± U (k=2)	0.276 ± 0.0414

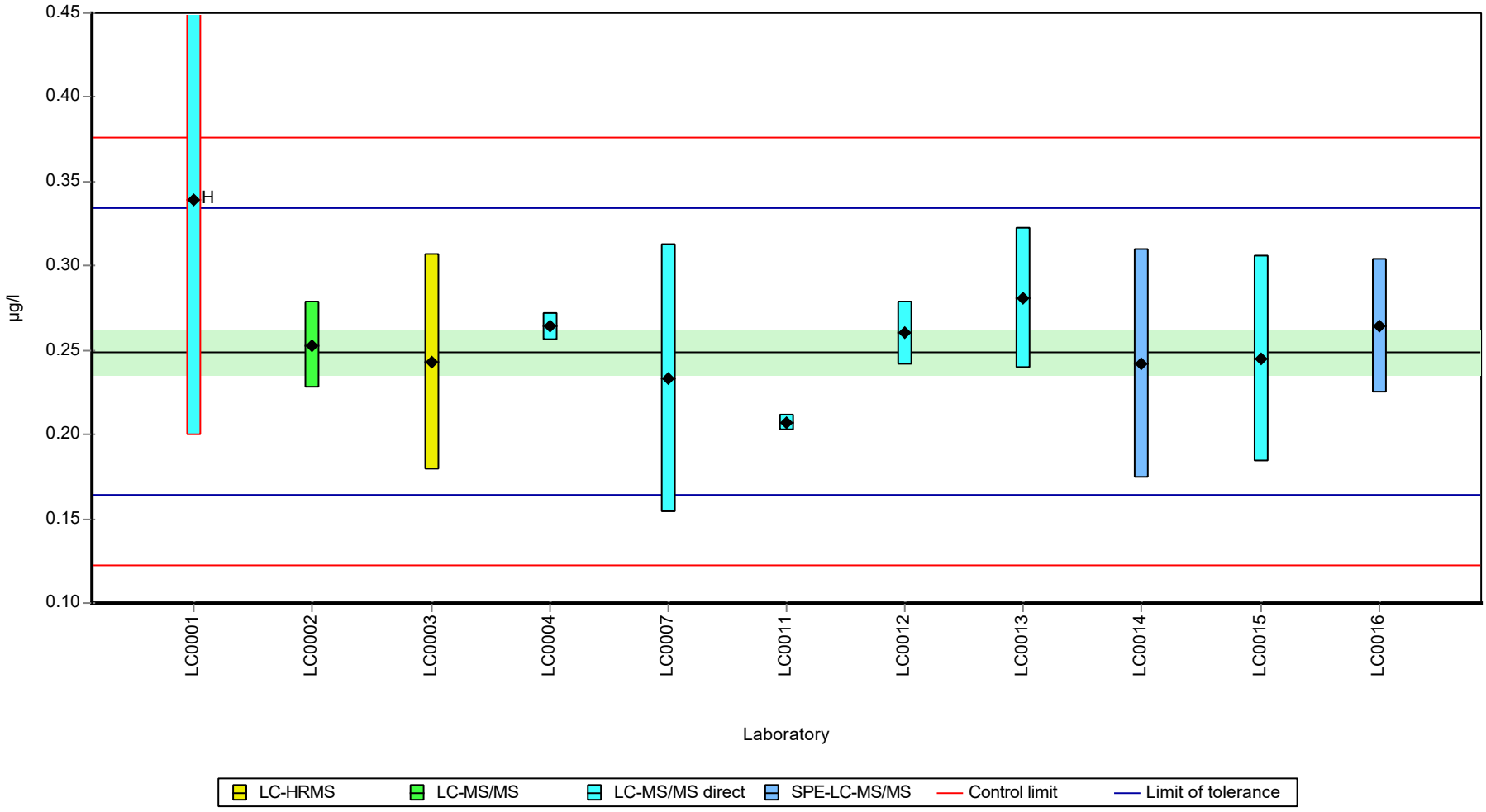
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.339	0.14	136	2.12	H
LC0002	0.253	0.026	102	0.09	
LC0003	0.2426	0.064	97.4	-0.16	
LC0004	0.264	0.008	106	0.35	
LC0005	-	-	-	-	
LC0006	-	-	-	-	
LC0007	0.2335	0.07958	93.7	-0.37	
LC0008	-	-	-	-	
LC0009	-	-	-	-	
LC0010	-	-	-	-	
LC0011	0.207	0.005	83.1	-1	
LC0012	0.26	0.019	104	0.25	
LC0013	0.281	0.042	113	0.75	
LC0014	0.2423	0.068	97.2	-0.16	
LC0015	0.2446	0.0612	98.2	-0.11	
LC0016	0.264	0.04	106	0.35	
LC0017	-	-	-	-	

Characteristics of parameter

	all results	w ithout outliers	Unit
Mean ± Cl (99%)	0.257 ± 0.0301	0.249 ± 0.0193	µg/l
Minimum	0.207	0.207	µg/l
Maximum	0.339	0.281	µg/l
Standard deviation	0.0332	0.0203	µg/l
rel. standard deviation	12.9	8.16	%
n	11	10	-

Graphical presentation of results

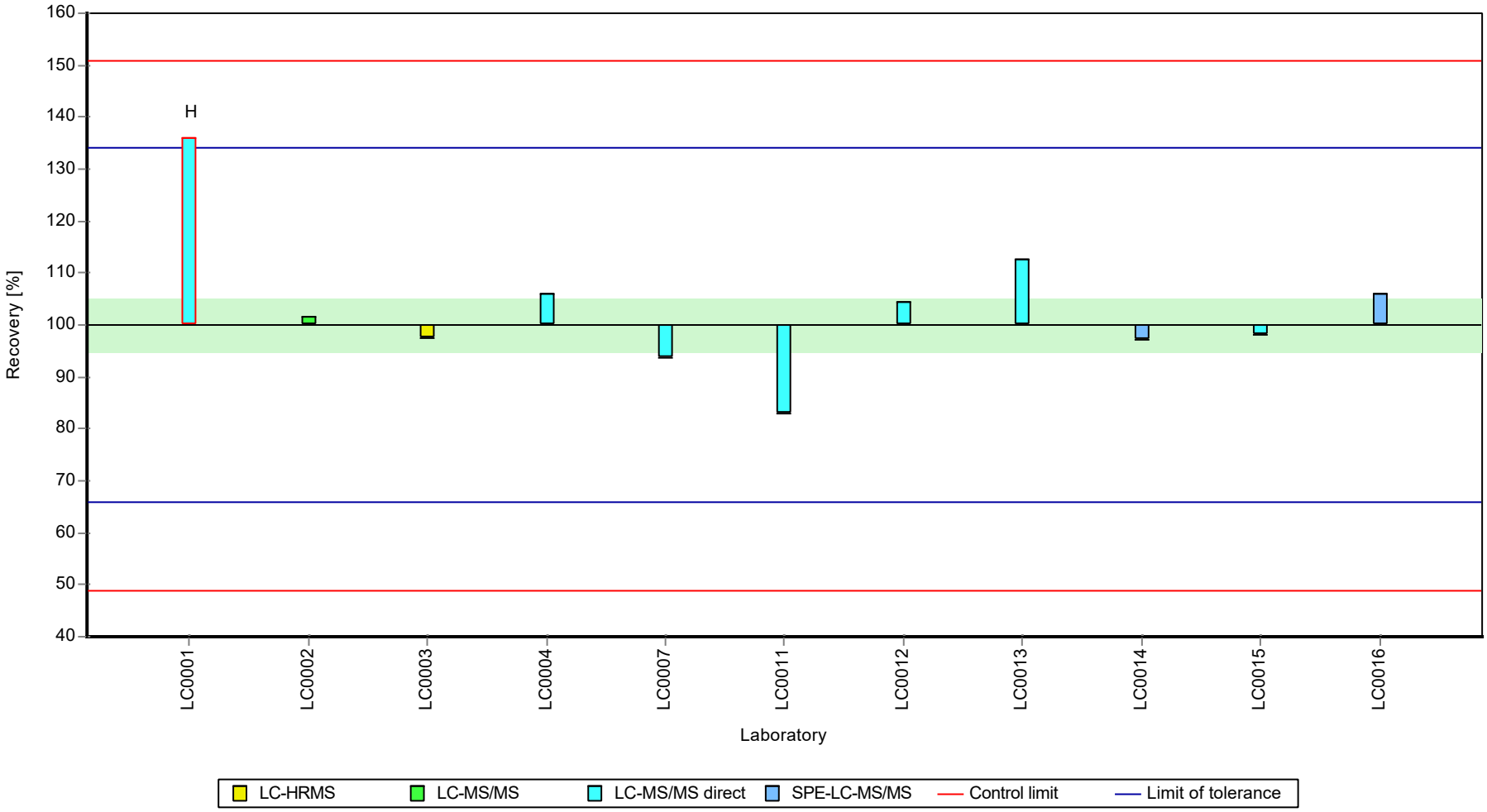
Results

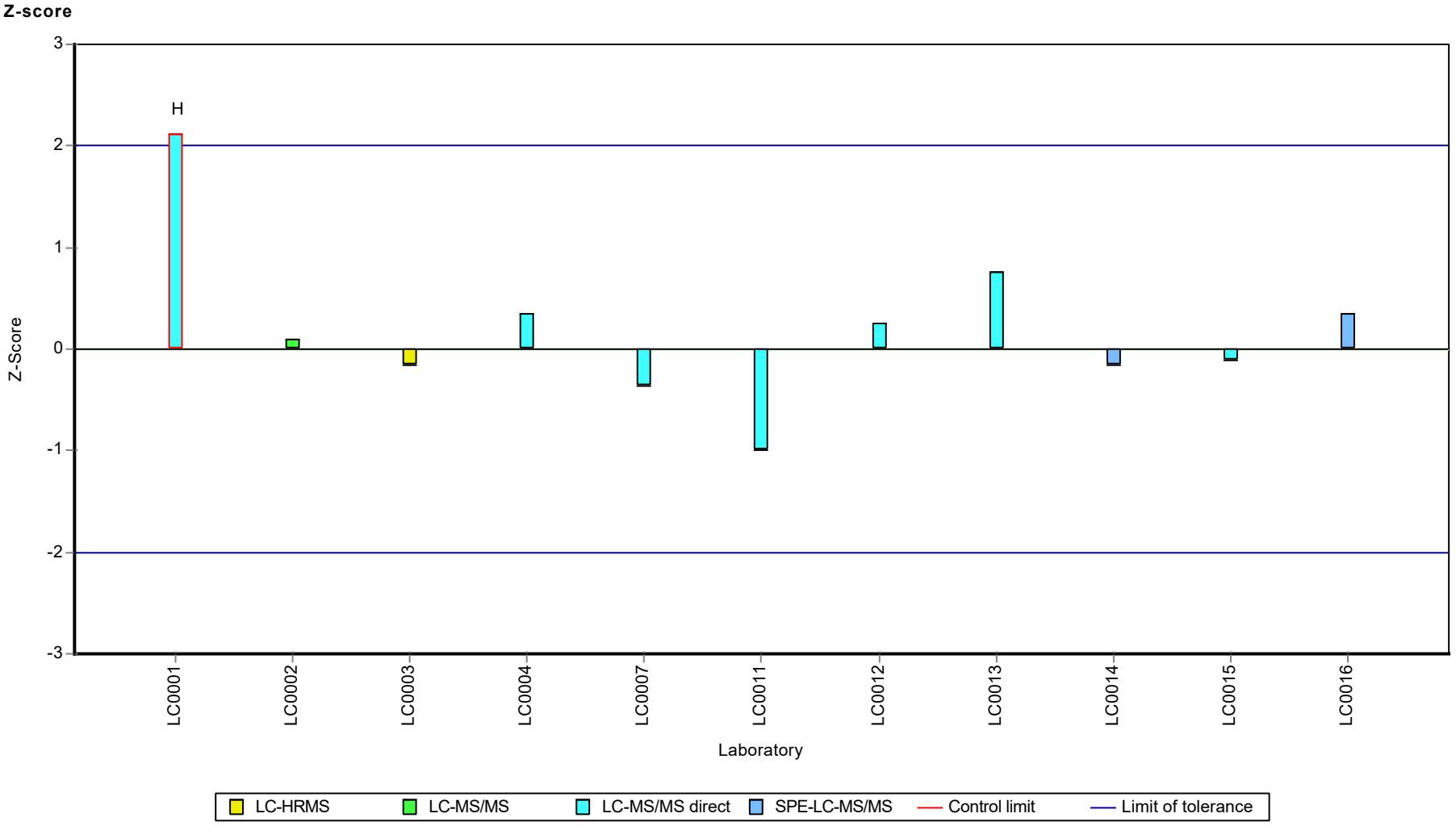


Parameter oriented report Pesticides H117

Sample: H117A, Parameter: Thiamethoxam

Recovery rate




Z-score
3
2
1
0
-1
-2
-3
Z-Score
H
LC0001
LC0002
LC0003
LC0004
LC0007
LC0011
LC0012
LC0013
LC0014
LC0015
LC0016
Laboratory
LC-HRMS
LC-MS/MS
LC-MS/MS direct
SPE-LC-MS/MS
Control limit
Limit of tolerance

Parameter oriented report

H117 B

Thiamethoxam

Unit	µg/l
Assigned value ± U (k=2)	1.4 ± 0.0245
Criterion	0.239 (17 %)
Minimum - Maximum	1.37 - 1.47
Control test value ± U (k=2)	1.30 ± 0.195

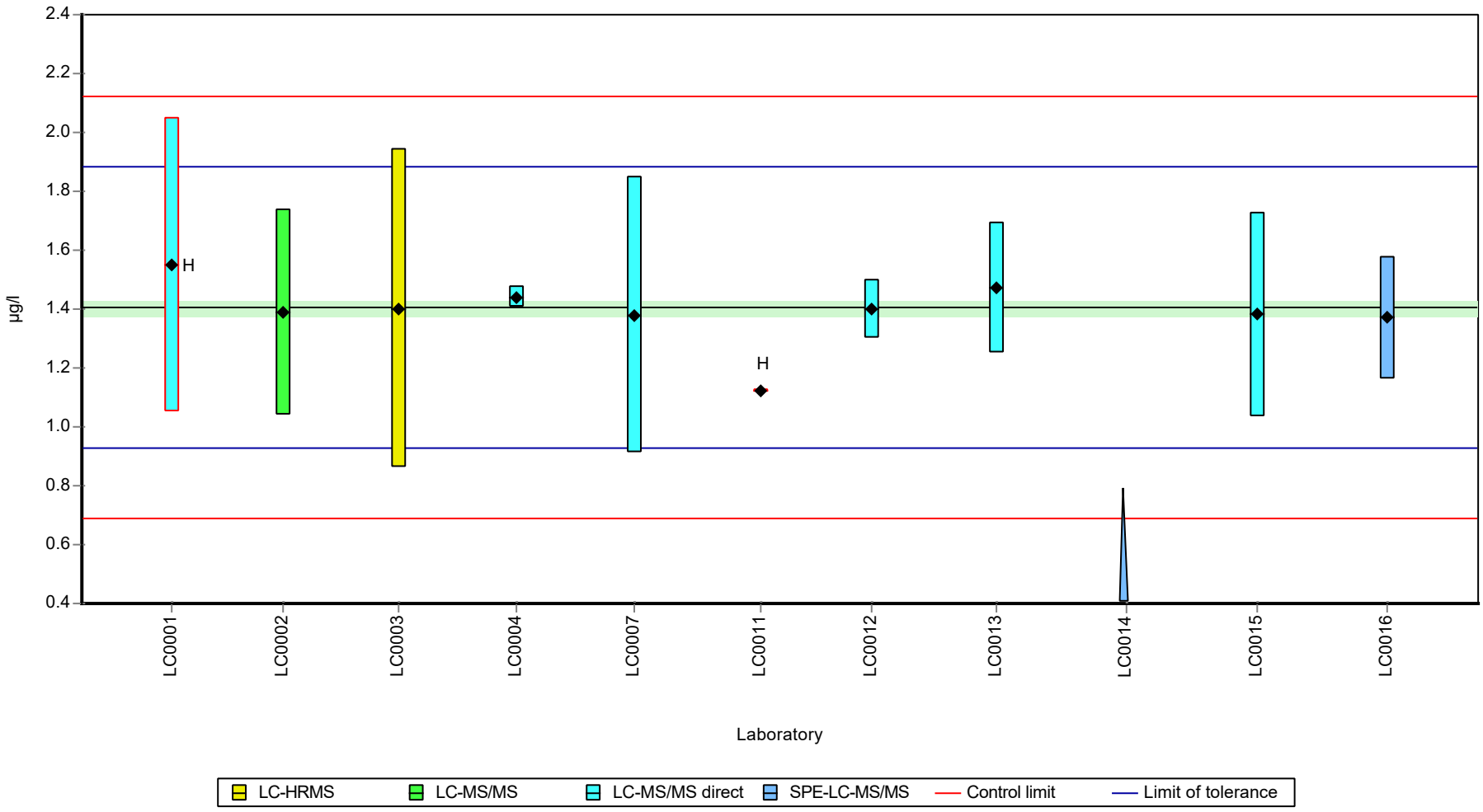
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	1.552	0.5	111	0.62	H
LC0002	1.39	0.35	99	-0.06	
LC0003	1.402	0.5397	99.8	-0.01	
LC0004	1.44	0.036	103	0.15	
LC0005	-	-	-	-	
LC0006	-	-	-	-	
LC0007	1.3805	0.47047	98.3	-0.1	
LC0008	-	-	-	-	
LC0009	-	-	-	-	
LC0010	-	-	-	-	
LC0011	1.12	0.006	79.7	-1.19	H
LC0012	1.4	0.101	99.7	-0.02	
LC0013	1.472	0.221	105	0.28	
LC0014	>0.4	-	-	-	
LC0015	1.3809	0.3452	98.3	-0.1	
LC0016	1.37	0.21	97.5	-0.14	
LC0017	-	-	-	-	

Characteristics of parameter

	all results	w ithout outliers	Unit
Mean ± Cl (99%)	1.39 ± 0.104	1.4 ± 0.0367	µg/l
Minimum	1.12	1.37	µg/l
Maximum	1.55	1.47	µg/l
Standard deviation	0.11	0.0346	µg/l
rel. standard deviation	7.92	2.46	%
n	10	8	-

Graphical presentation of results

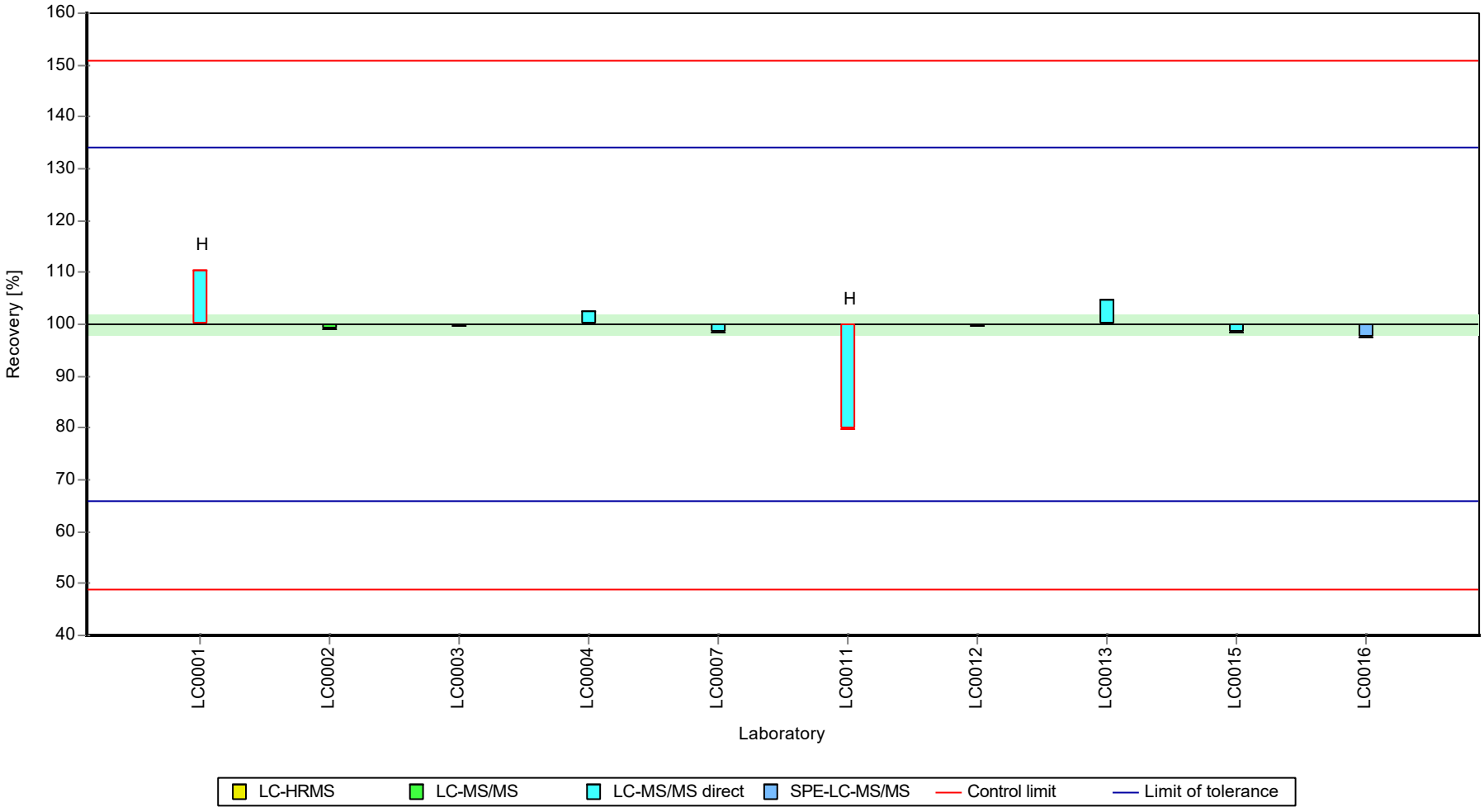
Results



Parameter oriented report Pesticides H117

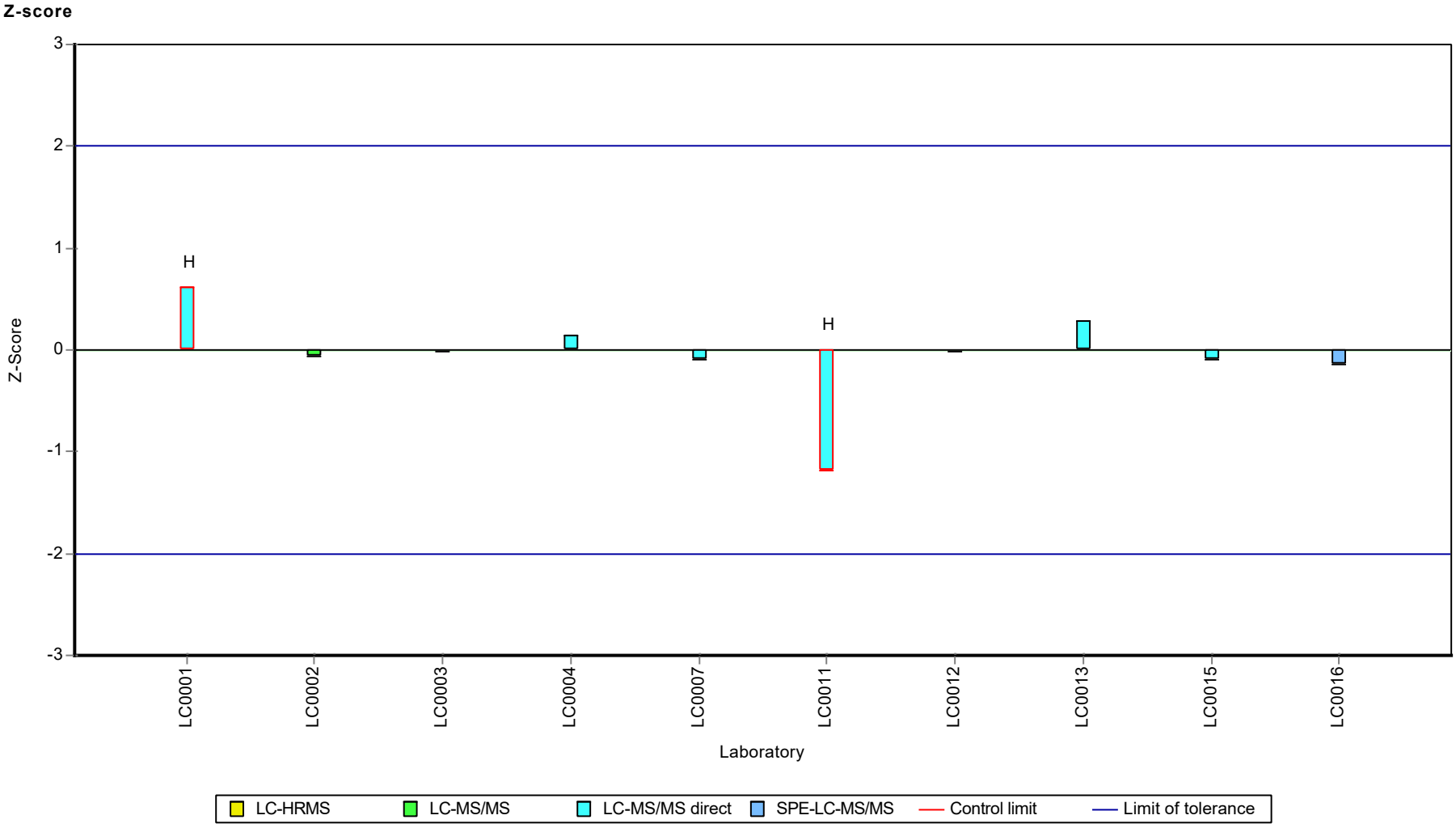
Sample: H117B, Parameter: Thiamethoxam

Recovery rate



Parameter oriented report Pesticides H117

Sample: H117B, Parameter: Thiamethoxam



E8. Laborорientierte Auswertung / Laboratory oriented report

Die Laborорientierte Auswertung ist nach dem Laborcode sortiert.

The laboratory oriented report is sorted by laboratory code.

Summary of results Pesticides H117

Labcode: LC0001

Sample: H117A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Acetamiprid	µg/l	- ± -	0.273 ± 0.11	-	-	-
Aldrin	µg/l	0.084 ± 0.0243	- ± -	0.0252	-	-
Atrazine	µg/l	0.242 ± 0.0115	- ± -	0.0266	-	-
Atrazine-desethyl	µg/l	0.563 ± 0.0319	0.631 ± 0.23	0.0675	112	1.01
Atrazine-desisopropyl	µg/l	0.279 ± 0.00831	0.355 ± 0.14	0.039	127	1.95
Bromacil	µg/l	0.419 ± 0.0105	0.419 ± 0.17	0.0586	100	0.01
Clothianidin	µg/l	0.195 ± 0.00864	0.287 ± 0.12	0.0215	147	4.27
Cyanazine	µg/l	- ± -	- ± -	-	-	-
Dieldrin	µg/l	- ± -	- ± -	-	-	-
Dinotefurane	µg/l	- ± -	- ± -	-	-	-
Endrin	µg/l	- ± -	- ± -	-	-	-
Heptachlor	µg/l	- ± -	- ± -	-	-	-
Imidacloprid	µg/l	0.212 ± 0.00461	0.326 ± 0.13	0.0319	153	3.56
Lindane (Gamma-HCH)	µg/l	- ± -	- ± -	-	-	-
Nitenpyram	µg/l	- ± -	- ± -	-	-	-
Prometryn	µg/l	0.419 ± 0.0219	- ± -	0.0545	-	-
Propazine	µg/l	0.218 ± 0.00746	- ± -	0.0284	-	-
Sum Chlordane	µg/l	- ± -	- ± -	-	-	-
Sum DDD	µg/l	- ± -	- ± -	-	-	-
Sum DDE	µg/l	- ± -	- ± -	-	-	-
Sum DDT	µg/l	- ± -	- ± -	-	-	-
Sum Endosulfan	µg/l	- ± -	- ± -	-	-	-
Thiacloprid	µg/l	0.36 ± 0.0247	0.37 ± 0.15	0.0505	103	0.19
Thiamethoxam	µg/l	0.249 ± 0.0129	0.339 ± 0.14	0.0424	136	2.12

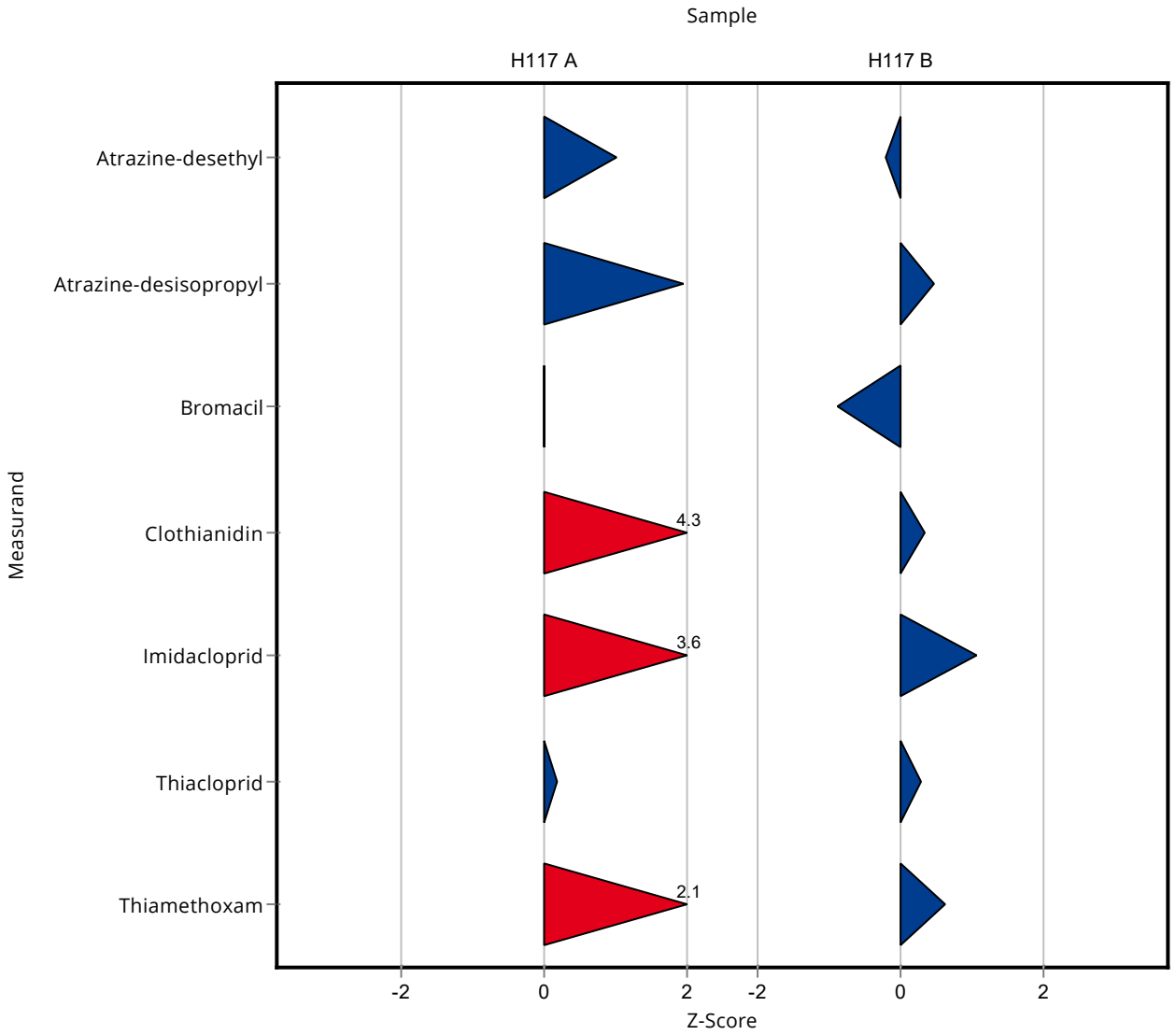
Sample: H117B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Acetamiprid	µg/l	- ± -	0.995 ± 0.3	-	-	-
Aldrin	µg/l	0.251 ± 0.0451	- ± -	0.0754	-	-
Atrazine	µg/l	1 ± 0.0233	- ± -	0.11	-	-

Summary of results Pesticides H117

Labcode: LC0001

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Atrazine-desethyl	µg/l	1.64 ± 0.102	1.603 ± 0.5	0.197	97.6	-0.20
Atrazine-desisopropyl	µg/l	1.31 ± 0.0528	1.396 ± 0.4	0.183	107	0.48
Bromacil	µg/l	1.19 ± 0.126	1.039 ± 0.3	0.166	87.5	-0.89
Clothianidin	µg/l	2.03 ± 0.138	2.107 ± 0.7	0.223	104	0.35
Cyanazine	µg/l	- ± -	- ± -	-	-	-
Dieldrin	µg/l	- ± -	- ± -	-	-	-
Dinotefurane	µg/l	- ± -	- ± -	-	-	-
Endrin	µg/l	- ± -	- ± -	-	-	-
Heptachlor	µg/l	- ± -	- ± -	-	-	-
Imidacloprid	µg/l	1.06 ± 0.068	1.231 ± 0.4	0.159	116	1.08
Lindane (Gamma-HCH)	µg/l	- ± -	- ± -	-	-	-
Nitenpyram	µg/l	- ± -	- ± -	-	-	-
Prometryn	µg/l	1.56 ± 0.108	- ± -	0.202	-	-
Propazine	µg/l	0.833 ± 0.047	- ± -	0.108	-	-
Sum Chlordane	µg/l	- ± -	- ± -	-	-	-
Sum DDD	µg/l	- ± -	- ± -	-	-	-
Sum DDE	µg/l	- ± -	- ± -	-	-	-
Sum DDT	µg/l	- ± -	- ± -	-	-	-
Sum Endosulfan	µg/l	- ± -	- ± -	-	-	-
Thiacloprid	µg/l	1.13 ± 0.106	1.172 ± 0.4	0.158	104	0.28
Thiamethoxam	µg/l	1.4 ± 0.0245	1.552 ± 0.5	0.239	111	0.62


Sample
H117 A
H117 B
Atrazine-desethyl
Atrazine-desisopropyl
Bromacil
Clothianidin
Imidacloprid
Thiacloprid
Thiamethoxam
Measurand
4.3
3.6
2.1
-2
0
2
-2
0
2
Z-Score

Sample: H117A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Acetamiprid	µg/l	- ± -	0.273 ± 0.11	-	-	-
Aldrin	µg/l	0.084 ± 0.0243	- ± -	0.0252	-	-
Atrazine	µg/l	0.242 ± 0.0115	- ± -	0.0266	-	-
Atrazine-desethyl	µg/l	0.563 ± 0.0319	0.631 ± 0.23	0.0675	112	0.15
Atrazine-desisopropyl	µg/l	0.279 ± 0.00831	0.355 ± 0.14	0.039	127	0.27
Bromacil	µg/l	0.419 ± 0.0105	0.419 ± 0.17	0.0586	100	0.00
Clothianidin	µg/l	0.195 ± 0.00864	0.287 ± 0.12	0.0215	147	0.38
Cyanazine	µg/l	- ± -	- ± -	-	-	-
Dieldrin	µg/l	- ± -	- ± -	-	-	-
Dinotefurane	µg/l	- ± -	- ± -	-	-	-
Endrin	µg/l	- ± -	- ± -	-	-	-
Heptachlor	µg/l	- ± -	- ± -	-	-	-
Imidacloprid	µg/l	0.212 ± 0.00461	0.326 ± 0.13	0.0319	153	0.44
Lindane (Gamma-HCH)	µg/l	- ± -	- ± -	-	-	-
Nitenpyram	µg/l	- ± -	- ± -	-	-	-
Prometryn	µg/l	0.419 ± 0.0219	- ± -	0.0545	-	-
Propazine	µg/l	0.218 ± 0.00746	- ± -	0.0284	-	-
Sum Chlordane	µg/l	- ± -	- ± -	-	-	-
Sum DDD	µg/l	- ± -	- ± -	-	-	-
Sum DDE	µg/l	- ± -	- ± -	-	-	-
Sum DDT	µg/l	- ± -	- ± -	-	-	-
Sum Endosulfan	µg/l	- ± -	- ± -	-	-	-
Thiacloprid	µg/l	0.36 ± 0.0247	0.37 ± 0.15	0.0505	103	0.03

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Thiamethoxam	µg/l	0.249 ± 0.0129	0.339 ± 0.14	0.0424	136	0.32

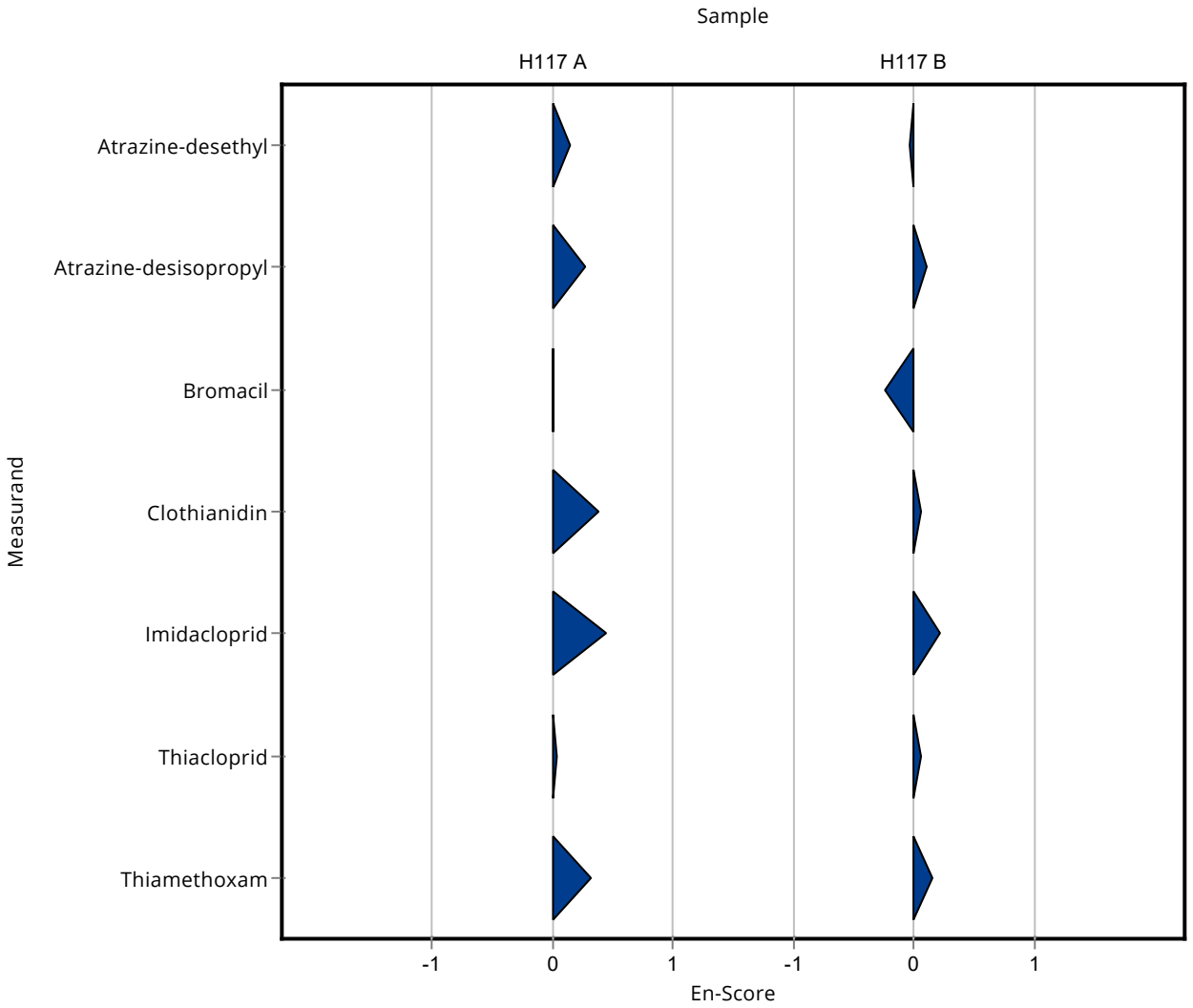
Sample: H117B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Acetamiprid	µg/l	- ± -	0.995 ± 0.3	-	-	-
Aldrin	µg/l	0.251 ± 0.0451	- ± -	0.0754	-	-
Atrazine	µg/l	1 ± 0.0233	- ± -	0.11	-	-
Atrazine-desethyl	µg/l	1.64 ± 0.102	1.603 ± 0.5	0.197	97.6	-0.04
Atrazine-desisopropyl	µg/l	1.31 ± 0.0528	1.396 ± 0.4	0.183	107	0.11
Bromacil	µg/l	1.19 ± 0.126	1.039 ± 0.3	0.166	87.5	-0.24
Clothianidin	µg/l	2.03 ± 0.138	2.107 ± 0.7	0.223	104	0.06
Cyanazine	µg/l	- ± -	- ± -	-	-	-
Dieldrin	µg/l	- ± -	- ± -	-	-	-
Dinotefurane	µg/l	- ± -	- ± -	-	-	-
Endrin	µg/l	- ± -	- ± -	-	-	-
Heptachlor	µg/l	- ± -	- ± -	-	-	-
Imidacloprid	µg/l	1.06 ± 0.068	1.231 ± 0.4	0.159	116	0.21
Lindane (Gamma-HCH)	µg/l	- ± -	- ± -	-	-	-
Nitenpyram	µg/l	- ± -	- ± -	-	-	-
Prometryn	µg/l	1.56 ± 0.108	- ± -	0.202	-	-
Propazine	µg/l	0.833 ± 0.047	- ± -	0.108	-	-
Sum Chlordane	µg/l	- ± -	- ± -	-	-	-
Sum DDD	µg/l	- ± -	- ± -	-	-	-
Sum DDE	µg/l	- ± -	- ± -	-	-	-
Sum DDT	µg/l	- ± -	- ± -	-	-	-

Summary of results Pesticides H117 - En-Score

Labcode: LC0001

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Sum Endosulfan	µg/l	- ± -	- ± -	-	-	-
Thiacloprid	µg/l	1.13 ± 0.106	1.172 ± 0.4	0.158	104	0.05
Thiamethoxam	µg/l	1.4 ± 0.0245	1.552 ± 0.5	0.239	111	0.15



Summary of results Pesticides H117

Labcode: LC0002

Sample: H117A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Acetamiprid	µg/l	- ± -	0.3 ± 0.032	-	-	-
Aldrin	µg/l	0.084 ± 0.0243	0.085 ± 0.029	0.0252	101	0.04
Atrazine	µg/l	0.242 ± 0.0115	0.245 ± 0.061	0.0266	101	0.13
Atrazine-desethyl	µg/l	0.563 ± 0.0319	0.537 ± 0.13	0.0675	95.4	-0.38
Atrazine-desisopropyl	µg/l	0.279 ± 0.00831	0.258 ± 0.065	0.039	92.6	-0.53
Bromacil	µg/l	0.419 ± 0.0105	0.431 ± 0.11	0.0586	103	0.21
Clothianidin	µg/l	0.195 ± 0.00864	0.223 ± 0.056	0.0215	114	1.29
Cyanazine	µg/l	- ± -	0.194 ± 0.049	-	-	-
Dieldrin	µg/l	- ± -	0.21 ± 0.028	-	-	-
Dinotefurane	µg/l	- ± -	0.367 ± 0.092	-	-	-
Endrin	µg/l	- ± -	0.288 ± 0.031	-	-	-
Heptachlor	µg/l	- ± -	0.216 ± 0.05	-	-	-
Imidacloprid	µg/l	0.212 ± 0.00461	0.217 ± 0.054	0.0319	102	0.14
Lindane (Gamma-HCH)	µg/l	- ± -	0.215 ± 0.028	-	-	-
Nitenpyram	µg/l	- ± -	0.228 ± 0.057	-	-	-
Prometryn	µg/l	0.419 ± 0.0219	0.435 ± 0.11	0.0545	104	0.29
Propazine	µg/l	0.218 ± 0.00746	0.23 ± 0.058	0.0284	105	0.42
Sum Chlordane	µg/l	- ± -	- ± -	-	-	-
Sum DDD	µg/l	- ± -	- ± -	-	-	-
Sum DDE	µg/l	- ± -	- ± -	-	-	-
Sum DDT	µg/l	- ± -	- ± -	-	-	-
Sum Endosulfan	µg/l	- ± -	- ± -	-	-	-
Thiacloprid	µg/l	0.36 ± 0.0247	0.332 ± 0.083	0.0505	92.1	-0.56
Thiamethoxam	µg/l	0.249 ± 0.0129	0.253 ± 0.026	0.0424	102	0.09

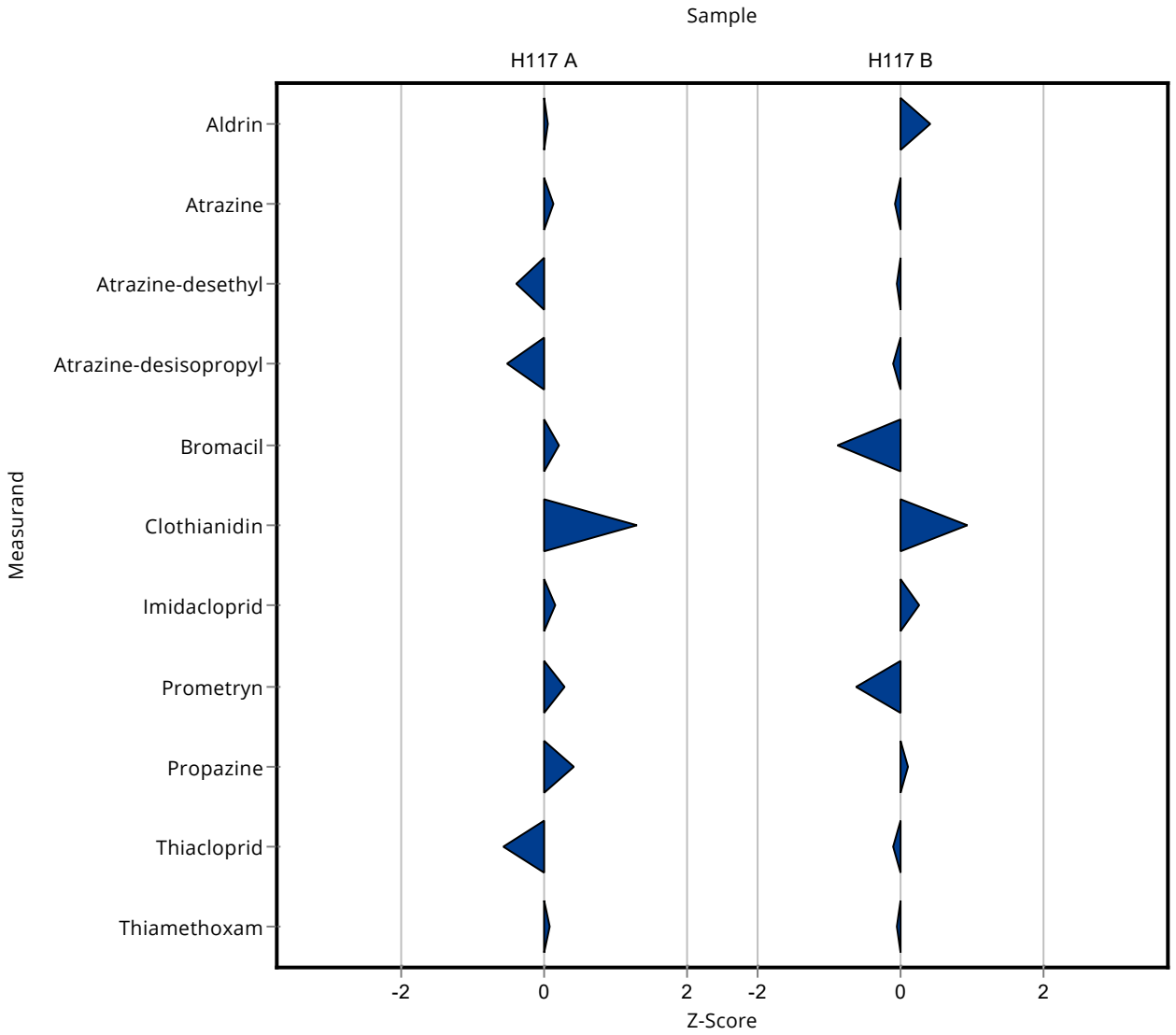
Sample: H117B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Acetamiprid	µg/l	- ± -	1.04 ± 0.26	-	-	-
Aldrin	µg/l	0.251 ± 0.0451	0.283 ± 0.097	0.0754	113	0.42
Atrazine	µg/l	1 ± 0.0233	0.993 ± 0.25	0.11	99.1	-0.08

Summary of results Pesticides H117

Labcode: LC0002

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Atrazine-desethyl	µg/l	1.64 ± 0.102	1.63 ± 0.41	0.197	99.3	-0.06
Atrazine-desisopropyl	µg/l	1.31 ± 0.0528	1.29 ± 0.32	0.183	98.6	-0.10
Bromacil	µg/l	1.19 ± 0.126	1.04 ± 0.26	0.166	87.6	-0.89
Clothianidin	µg/l	2.03 ± 0.138	2.24 ± 0.56	0.223	110	0.95
Cyanazine	µg/l	- ± -	1.68 ± 0.42	-	-	-
Dieldrin	µg/l	- ± -	0.417 ± 0.055	-	-	-
Dinotefurane	µg/l	- ± -	2.43 ± 0.61	-	-	-
Endrin	µg/l	- ± -	0.859 ± 0.094	-	-	-
Heptachlor	µg/l	- ± -	0.713 ± 0.165	-	-	-
Imidacloprid	µg/l	1.06 ± 0.068	1.1 ± 0.28	0.159	104	0.25
Lindane (Gamma-HCH)	µg/l	- ± -	0.463 ± 0.06	-	-	-
Nitenpyram	µg/l	- ± -	1.25 ± 0.31	-	-	-
Prometryn	µg/l	1.56 ± 0.108	1.43 ± 0.36	0.202	91.9	-0.62
Propazine	µg/l	0.833 ± 0.047	0.845 ± 0.21	0.108	101	0.11
Sum Chlordane	µg/l	- ± -	- ± -	-	-	-
Sum DDD	µg/l	- ± -	- ± -	-	-	-
Sum DDE	µg/l	- ± -	- ± -	-	-	-
Sum DDT	µg/l	- ± -	- ± -	-	-	-
Sum Endosulfan	µg/l	- ± -	- ± -	-	-	-
Thiacloprid	µg/l	1.13 ± 0.106	1.11 ± 0.28	0.158	98.4	-0.11
Thiamethoxam	µg/l	1.4 ± 0.0245	1.39 ± 0.35	0.239	99	-0.06


Sample
H117 A
H117 B
Aldrin
Atrazine
Atrazine-desethyl
Atrazine-desisopropyl
Bromacil
Clothianidin
Imidacloprid
Prometryn
Propazine
Thiacloprid
Thiamethoxam
Measurand
-2
0
2
-2
0
2
Z-Score

Sample: H117A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Acetamiprid	µg/l	- ± -	0.3 ± 0.032	-	-	-
Aldrin	µg/l	0.084 ± 0.0243	0.085 ± 0.029	0.0252	101	0.02
Atrazine	µg/l	0.242 ± 0.0115	0.245 ± 0.061	0.0266	101	0.03
Atrazine-desethyl	µg/l	0.563 ± 0.0319	0.537 ± 0.13	0.0675	95.4	-0.10
Atrazine-desisopropyl	µg/l	0.279 ± 0.00831	0.258 ± 0.065	0.039	92.6	-0.16
Bromacil	µg/l	0.419 ± 0.0105	0.431 ± 0.11	0.0586	103	0.06
Clothianidin	µg/l	0.195 ± 0.00864	0.223 ± 0.056	0.0215	114	0.25
Cyanazine	µg/l	- ± -	0.194 ± 0.049	-	-	-
Dieldrin	µg/l	- ± -	0.21 ± 0.028	-	-	-
Dinotefurane	µg/l	- ± -	0.367 ± 0.092	-	-	-
Endrin	µg/l	- ± -	0.288 ± 0.031	-	-	-
Heptachlor	µg/l	- ± -	0.216 ± 0.05	-	-	-
Imidacloprid	µg/l	0.212 ± 0.00461	0.217 ± 0.054	0.0319	102	0.04
Lindane (Gamma-HCH)	µg/l	- ± -	0.215 ± 0.028	-	-	-
Nitenpyram	µg/l	- ± -	0.228 ± 0.057	-	-	-
Prometryn	µg/l	0.419 ± 0.0219	0.435 ± 0.11	0.0545	104	0.07
Propazine	µg/l	0.218 ± 0.00746	0.23 ± 0.058	0.0284	105	0.10
Sum Chlordane	µg/l	- ± -	- ± -	-	-	-
Sum DDD	µg/l	- ± -	- ± -	-	-	-
Sum DDE	µg/l	- ± -	- ± -	-	-	-
Sum DDT	µg/l	- ± -	- ± -	-	-	-
Sum Endosulfan	µg/l	- ± -	- ± -	-	-	-
Thiacloprid	µg/l	0.36 ± 0.0247	0.332 ± 0.083	0.0505	92.1	-0.17

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Thiamethoxam	µg/l	0.249 ± 0.0129	0.253 ± 0.026	0.0424	102	0.07

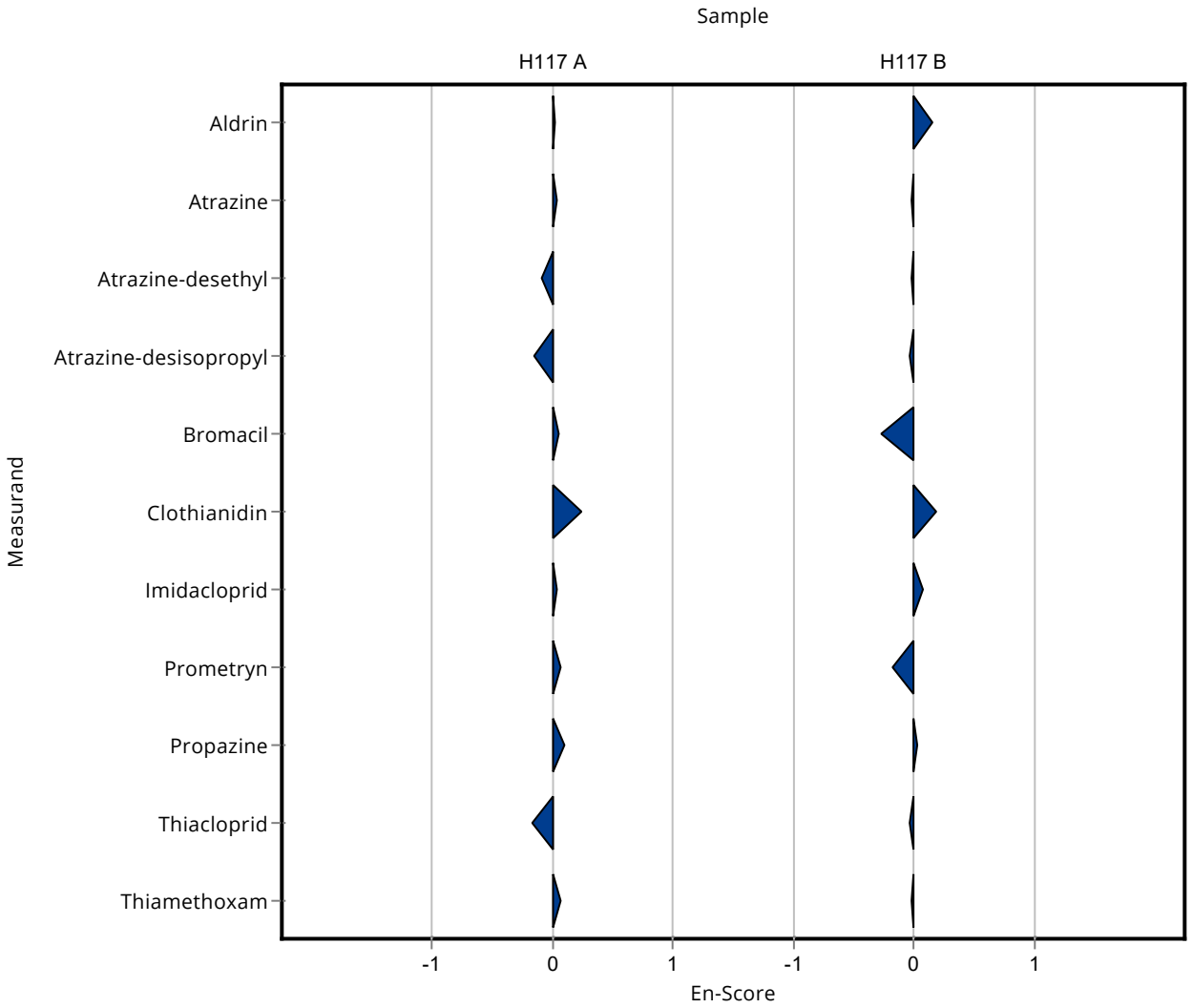
Sample: H117B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Acetamiprid	µg/l	- ± -	1.04 ± 0.26	-	-	-
Aldrin	µg/l	0.251 ± 0.0451	0.283 ± 0.097	0.0754	113	0.16
Atrazine	µg/l	1 ± 0.0233	0.993 ± 0.25	0.11	99.1	-0.02
Atrazine-desethyl	µg/l	1.64 ± 0.102	1.63 ± 0.41	0.197	99.3	-0.01
Atrazine-desisopropyl	µg/l	1.31 ± 0.0528	1.29 ± 0.32	0.183	98.6	-0.03
Bromacil	µg/l	1.19 ± 0.126	1.04 ± 0.26	0.166	87.6	-0.28
Clothianidin	µg/l	2.03 ± 0.138	2.24 ± 0.56	0.223	110	0.19
Cyanazine	µg/l	- ± -	1.68 ± 0.42	-	-	-
Dieldrin	µg/l	- ± -	0.417 ± 0.055	-	-	-
Dinotefurane	µg/l	- ± -	2.43 ± 0.61	-	-	-
Endrin	µg/l	- ± -	0.859 ± 0.094	-	-	-
Heptachlor	µg/l	- ± -	0.713 ± 0.165	-	-	-
Imidacloprid	µg/l	1.06 ± 0.068	1.1 ± 0.28	0.159	104	0.07
Lindane (Gamma-HCH)	µg/l	- ± -	0.463 ± 0.06	-	-	-
Nitenpyram	µg/l	- ± -	1.25 ± 0.31	-	-	-
Prometryn	µg/l	1.56 ± 0.108	1.43 ± 0.36	0.202	91.9	-0.17
Propazine	µg/l	0.833 ± 0.047	0.845 ± 0.21	0.108	101	0.03
Sum Chlordane	µg/l	- ± -	- ± -	-	-	-
Sum DDD	µg/l	- ± -	- ± -	-	-	-
Sum DDE	µg/l	- ± -	- ± -	-	-	-
Sum DDT	µg/l	- ± -	- ± -	-	-	-

Summary of results Pesticides H117 - En-Score

Labcode: LC0002

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Sum Endosulfan	µg/l	- ± -	- ± -	-	-	-
Thiacloprid	µg/l	1.13 ± 0.106	1.11 ± 0.28	0.158	98.4	-0.03
Thiamethoxam	µg/l	1.4 ± 0.0245	1.39 ± 0.35	0.239	99	-0.02



Summary of results Pesticides H117

Labcode: LC0003

Sample: H117A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Acetamiprid	µg/l	- ± -	- ± -	-	-	-
Aldrin	µg/l	0.084 ± 0.0243	- ± -	0.0252	-	-
Atrazine	µg/l	0.242 ± 0.0115	- ± -	0.0266	-	-
Atrazine-desethyl	µg/l	0.563 ± 0.0319	- ± -	0.0675	-	-
Atrazine-desisopropyl	µg/l	0.279 ± 0.00831	- ± -	0.039	-	-
Bromacil	µg/l	0.419 ± 0.0105	- ± -	0.0586	-	-
Clothianidin	µg/l	0.195 ± 0.00864	0.1834 ± 0.051	0.0215	93.9	-0.55
Cyanazine	µg/l	- ± -	- ± -	-	-	-
Dieldrin	µg/l	- ± -	- ± -	-	-	-
Dinotefurane	µg/l	- ± -	- ± -	-	-	-
Endrin	µg/l	- ± -	- ± -	-	-	-
Heptachlor	µg/l	- ± -	- ± -	-	-	-
Imidacloprid	µg/l	0.212 ± 0.00461	0.2091 ± 0.052	0.0319	98.4	-0.10
Lindane (Gamma-HCH)	µg/l	- ± -	- ± -	-	-	-
Nitenpyram	µg/l	- ± -	- ± -	-	-	-
Prometryn	µg/l	0.419 ± 0.0219	- ± -	0.0545	-	-
Propazine	µg/l	0.218 ± 0.00746	- ± -	0.0284	-	-
Sum Chlordane	µg/l	- ± -	- ± -	-	-	-
Sum DDD	µg/l	- ± -	- ± -	-	-	-
Sum DDE	µg/l	- ± -	- ± -	-	-	-
Sum DDT	µg/l	- ± -	- ± -	-	-	-
Sum Endosulfan	µg/l	- ± -	- ± -	-	-	-
Thiacloprid	µg/l	0.36 ± 0.0247	- ± -	0.0505	-	-
Thiamethoxam	µg/l	0.249 ± 0.0129	0.2426 ± 0.064	0.0424	97.4	-0.16

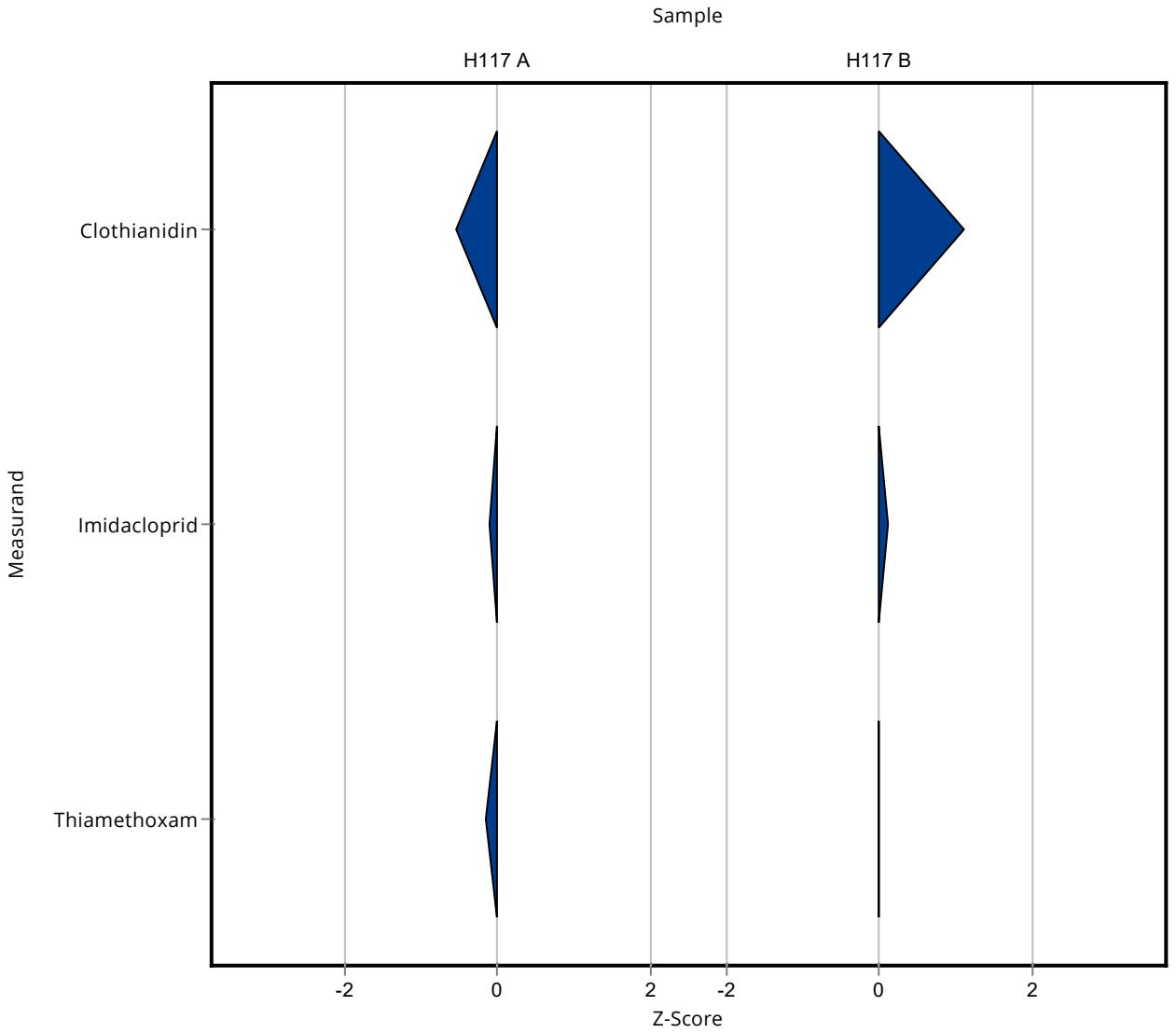
Sample: H117B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Acetamiprid	µg/l	- ± -	- ± -	-	-	-
Aldrin	µg/l	0.251 ± 0.0451	- ± -	0.0754	-	-
Atrazine	µg/l	1 ± 0.0233	- ± -	0.11	-	-

Summary of results Pesticides H117

Labcode: LC0003

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Atrazine-desethyl	µg/l	1.64 ± 0.102	- ± -	0.197	-	-
Atrazine-desisopropyl	µg/l	1.31 ± 0.0528	- ± -	0.183	-	-
Bromacil	µg/l	1.19 ± 0.126	- ± -	0.166	-	-
Clothianidin	µg/l	2.03 ± 0.138	2.2778 ± 0.7995	0.223	112	1.11
Cyanazine	µg/l	- ± -	- ± -	-	-	-
Dieldrin	µg/l	- ± -	- ± -	-	-	-
Dinotefurane	µg/l	- ± -	- ± -	-	-	-
Endrin	µg/l	- ± -	- ± -	-	-	-
Heptachlor	µg/l	- ± -	- ± -	-	-	-
Imidacloprid	µg/l	1.06 ± 0.068	1.0767 ± 0.3844	0.159	102	0.11
Lindane (Gamma-HCH)	µg/l	- ± -	- ± -	-	-	-
Nitenpyram	µg/l	- ± -	- ± -	-	-	-
Prometryn	µg/l	1.56 ± 0.108	- ± -	0.202	-	-
Propazine	µg/l	0.833 ± 0.047	- ± -	0.108	-	-
Sum Chlordane	µg/l	- ± -	- ± -	-	-	-
Sum DDD	µg/l	- ± -	- ± -	-	-	-
Sum DDE	µg/l	- ± -	- ± -	-	-	-
Sum DDT	µg/l	- ± -	- ± -	-	-	-
Sum Endosulfan	µg/l	- ± -	- ± -	-	-	-
Thiacloprid	µg/l	1.13 ± 0.106	- ± -	0.158	-	-
Thiamethoxam	µg/l	1.4 ± 0.0245	1.402 ± 0.5397	0.239	99.8	-0.01


Sample
H117 A
H117 B
Clothianidin
Imidacloprid
Thiamethoxam
Measurand
-2
0
2
-2
0
2
Z-Score

Summary of results Pesticides H117 - En-Score

Labcode: LC0003

Sample: H117A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Acetamiprid	µg/l	- ± -	- ± -	-	-	-
Aldrin	µg/l	0.084 ± 0.0243	- ± -	0.0252	-	-
Atrazine	µg/l	0.242 ± 0.0115	- ± -	0.0266	-	-
Atrazine-desethyl	µg/l	0.563 ± 0.0319	- ± -	0.0675	-	-
Atrazine-desisopropyl	µg/l	0.279 ± 0.00831	- ± -	0.039	-	-
Bromacil	µg/l	0.419 ± 0.0105	- ± -	0.0586	-	-
Clothianidin	µg/l	0.195 ± 0.00864	0.1834 ± 0.051	0.0215	93.9	-0.12
Cyanazine	µg/l	- ± -	- ± -	-	-	-
Dieldrin	µg/l	- ± -	- ± -	-	-	-
Dinotefurane	µg/l	- ± -	- ± -	-	-	-
Endrin	µg/l	- ± -	- ± -	-	-	-
Heptachlor	µg/l	- ± -	- ± -	-	-	-
Imidacloprid	µg/l	0.212 ± 0.00461	0.2091 ± 0.052	0.0319	98.4	-0.03
Lindane (Gamma-HCH)	µg/l	- ± -	- ± -	-	-	-
Nitenpyram	µg/l	- ± -	- ± -	-	-	-
Prometryn	µg/l	0.419 ± 0.0219	- ± -	0.0545	-	-
Propazine	µg/l	0.218 ± 0.00746	- ± -	0.0284	-	-
Sum Chlordane	µg/l	- ± -	- ± -	-	-	-
Sum DDD	µg/l	- ± -	- ± -	-	-	-
Sum DDE	µg/l	- ± -	- ± -	-	-	-
Sum DDT	µg/l	- ± -	- ± -	-	-	-
Sum Endosulfan	µg/l	- ± -	- ± -	-	-	-
Thiacloprid	µg/l	0.36 ± 0.0247	- ± -	0.0505	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Thiamethoxam	µg/l	0.249 ± 0.0129	0.2426 ± 0.064	0.0424	97.4	-0.05

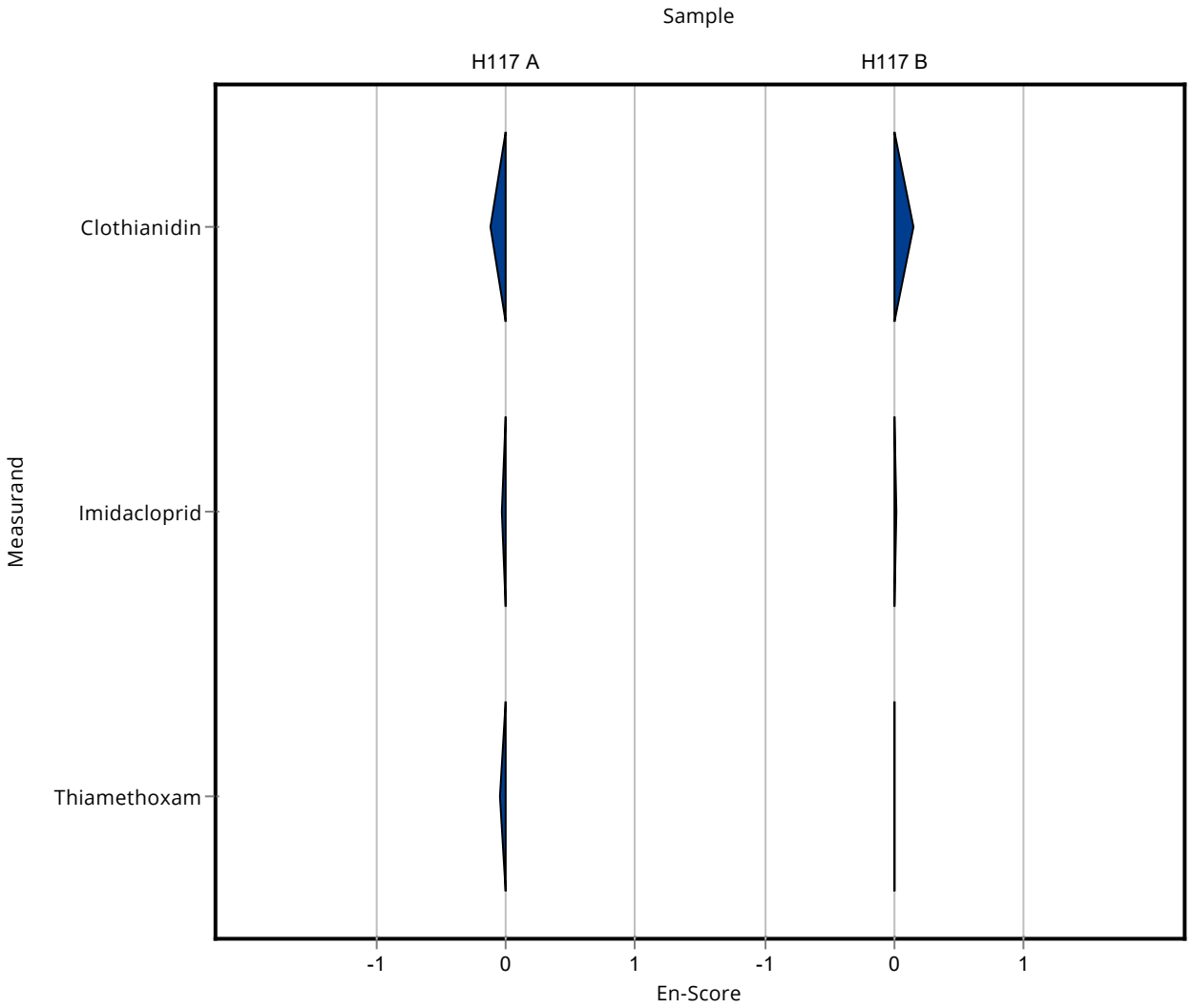
Sample: H117B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Acetamiprid	µg/l	- ± -	- ± -	-	-	-
Aldrin	µg/l	0.251 ± 0.0451	- ± -	0.0754	-	-
Atrazine	µg/l	1 ± 0.0233	- ± -	0.11	-	-
Atrazine-desethyl	µg/l	1.64 ± 0.102	- ± -	0.197	-	-
Atrazine-desisopropyl	µg/l	1.31 ± 0.0528	- ± -	0.183	-	-
Bromacil	µg/l	1.19 ± 0.126	- ± -	0.166	-	-
Clothianidin	µg/l	2.03 ± 0.138	2.2778 ± 0.7995	0.223	112	0.15
Cyanazine	µg/l	- ± -	- ± -	-	-	-
Dieldrin	µg/l	- ± -	- ± -	-	-	-
Dinotefurane	µg/l	- ± -	- ± -	-	-	-
Endrin	µg/l	- ± -	- ± -	-	-	-
Heptachlor	µg/l	- ± -	- ± -	-	-	-
Imidacloprid	µg/l	1.06 ± 0.068	1.0767 ± 0.3844	0.159	102	0.02
Lindane (Gamma-HCH)	µg/l	- ± -	- ± -	-	-	-
Nitenpyram	µg/l	- ± -	- ± -	-	-	-
Prometryn	µg/l	1.56 ± 0.108	- ± -	0.202	-	-
Propazine	µg/l	0.833 ± 0.047	- ± -	0.108	-	-
Sum Chlordane	µg/l	- ± -	- ± -	-	-	-
Sum DDD	µg/l	- ± -	- ± -	-	-	-
Sum DDE	µg/l	- ± -	- ± -	-	-	-
Sum DDT	µg/l	- ± -	- ± -	-	-	-

Summary of results Pesticides H117 - En-Score

Labcode: LC0003

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Sum Endosulfan	µg/l	- ± -	- ± -	-	-	-
Thiacloprid	µg/l	1.13 ± 0.106	- ± -	0.158	-	-
Thiamethoxam	µg/l	1.4 ± 0.0245	1.402 ± 0.5397	0.239	99.8	0.00



Summary of results Pesticides H117

Labcode: LC0004

Sample: H117A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Acetamiprid	µg/l	- ± -	- ± -	-	-	-
Aldrin	µg/l	0.084 ± 0.0243	0.072 ± 0.004	0.0252	85.7	-0.48
Atrazine	µg/l	0.242 ± 0.0115	0.284 ± 0.008	0.0266	118	1.59
Atrazine-desethyl	µg/l	0.563 ± 0.0319	0.537 ± 0.02	0.0675	95.4	-0.38
Atrazine-desisopropyl	µg/l	0.279 ± 0.00831	0.279 ± 0.009	0.039	100	0.01
Bromacil	µg/l	0.419 ± 0.0105	0.394 ± 0.006	0.0586	94.1	-0.42
Clothianidin	µg/l	0.195 ± 0.00864	0.208 ± 0.005	0.0215	107	0.59
Cyanazine	µg/l	- ± -	0.262 ± 0.003	-	-	-
Dieldrin	µg/l	- ± -	0.209 ± 0.004	-	-	-
Dinotefurane	µg/l	- ± -	- ± -	-	-	-
Endrin	µg/l	- ± -	- ± -	-	-	-
Heptachlor	µg/l	- ± -	0.165 ± 0.004	-	-	-
Imidacloprid	µg/l	0.212 ± 0.00461	0.223 ± 0.005	0.0319	105	0.33
Lindane (Gamma-HCH)	µg/l	- ± -	- ± -	-	-	-
Nitenpyram	µg/l	- ± -	- ± -	-	-	-
Prometryn	µg/l	0.419 ± 0.0219	0.405 ± 0.024	0.0545	96.7	-0.26
Propazine	µg/l	0.218 ± 0.00746	0.213 ± 0.009	0.0284	97.6	-0.18
Sum Chlordane	µg/l	- ± -	- ± -	-	-	-
Sum DDD	µg/l	- ± -	- ± -	-	-	-
Sum DDE	µg/l	- ± -	- ± -	-	-	-
Sum DDT	µg/l	- ± -	- ± -	-	-	-
Sum Endosulfan	µg/l	- ± -	- ± -	-	-	-
Thiacloprid	µg/l	0.36 ± 0.0247	0.399 ± 0.011	0.0505	111	0.76
Thiamethoxam	µg/l	0.249 ± 0.0129	0.264 ± 0.008	0.0424	106	0.35

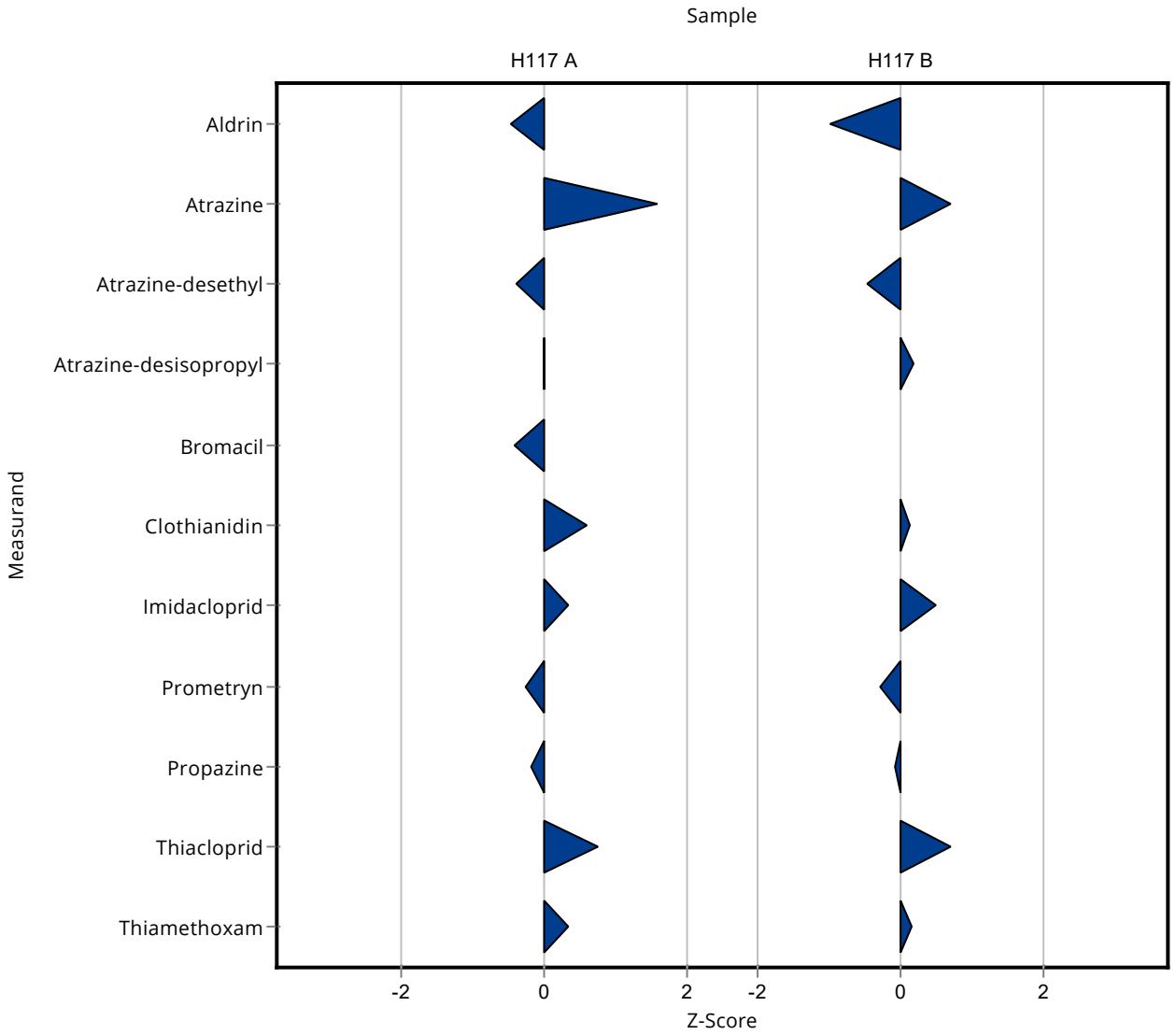
Sample: H117B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Acetamiprid	µg/l	- ± -	- ± -	-	-	-
Aldrin	µg/l	0.251 ± 0.0451	0.177 ± 0.002	0.0754	70.5	-0.98
Atrazine	µg/l	1 ± 0.0233	1.08 ± 0.03	0.11	108	0.71

Summary of results Pesticides H117

Labcode: LC0004

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Atrazine-desethyl	µg/l	1.64 ± 0.102	1.55 ± 0.075	0.197	94.4	-0.47
Atrazine-desisopropyl	µg/l	1.31 ± 0.0528	1.34 ± 0.029	0.183	102	0.17
Bromacil	µg/l	1.19 ± 0.126	- ± -	0.166	-	-
Clothianidin	µg/l	2.03 ± 0.138	2.06 ± 0.092	0.223	102	0.14
Cyanazine	µg/l	- ± -	2.09 ± 0.057	-	-	-
Dieldrin	µg/l	- ± -	0.446 ± 0.024	-	-	-
Dinotefurane	µg/l	- ± -	- ± -	-	-	-
Endrin	µg/l	- ± -	- ± -	-	-	-
Heptachlor	µg/l	- ± -	0.545 ± 0.019	-	-	-
Imidacloprid	µg/l	1.06 ± 0.068	1.14 ± 0.019	0.159	108	0.51
Lindane (Gamma-HCH)	µg/l	- ± -	- ± -	-	-	-
Nitenpyram	µg/l	- ± -	- ± -	-	-	-
Prometryn	µg/l	1.56 ± 0.108	1.5 ± 0.027	0.202	96.4	-0.28
Propazine	µg/l	0.833 ± 0.047	0.825 ± 0.035	0.108	99	-0.08
Sum Chlordane	µg/l	- ± -	- ± -	-	-	-
Sum DDD	µg/l	- ± -	- ± -	-	-	-
Sum DDE	µg/l	- ± -	- ± -	-	-	-
Sum DDT	µg/l	- ± -	- ± -	-	-	-
Sum Endosulfan	µg/l	- ± -	- ± -	-	-	-
Thiacloprid	µg/l	1.13 ± 0.106	1.24 ± 0.039	0.158	110	0.71
Thiamethoxam	µg/l	1.4 ± 0.0245	1.44 ± 0.036	0.239	103	0.15


Sample
H117 A
H117 B
Aldrin
Atrazine
Atrazine-desethyl
Atrazine-desisopropyl
Bromacil
Clothianidin
Imidacloprid
Prometryn
Propazine
Thiacloprid
Thiamethoxam
Measurand
-2
0
2
-2
0
2
Z-Score

Summary of results Pesticides H117 - En-Score

Labcode: LC0004

Sample: H117A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Acetamiprid	µg/l	- ± -	- ± -	-	-	-
Aldrin	µg/l	0.084 ± 0.0243	0.072 ± 0.004	0.0252	85.7	-0.47
Atrazine	µg/l	0.242 ± 0.0115	0.284 ± 0.008	0.0266	118	2.15
Atrazine-desethyl	µg/l	0.563 ± 0.0319	0.537 ± 0.02	0.0675	95.4	-0.50
Atrazine-desisopropyl	µg/l	0.279 ± 0.00831	0.279 ± 0.009	0.039	100	0.01
Bromacil	µg/l	0.419 ± 0.0105	0.394 ± 0.006	0.0586	94.1	-1.55
Clothianidin	µg/l	0.195 ± 0.00864	0.208 ± 0.005	0.0215	107	0.96
Cyanazine	µg/l	- ± -	0.262 ± 0.003	-	-	-
Dieldrin	µg/l	- ± -	0.209 ± 0.004	-	-	-
Dinotefurane	µg/l	- ± -	- ± -	-	-	-
Endrin	µg/l	- ± -	- ± -	-	-	-
Heptachlor	µg/l	- ± -	0.165 ± 0.004	-	-	-
Imidacloprid	µg/l	0.212 ± 0.00461	0.223 ± 0.005	0.0319	105	0.96
Lindane (Gamma-HCH)	µg/l	- ± -	- ± -	-	-	-
Nitenpyram	µg/l	- ± -	- ± -	-	-	-
Prometryn	µg/l	0.419 ± 0.0219	0.405 ± 0.024	0.0545	96.7	-0.27
Propazine	µg/l	0.218 ± 0.00746	0.213 ± 0.009	0.0284	97.6	-0.26
Sum Chlordane	µg/l	- ± -	- ± -	-	-	-
Sum DDD	µg/l	- ± -	- ± -	-	-	-
Sum DDE	µg/l	- ± -	- ± -	-	-	-
Sum DDT	µg/l	- ± -	- ± -	-	-	-
Sum Endosulfan	µg/l	- ± -	- ± -	-	-	-
Thiacloprid	µg/l	0.36 ± 0.0247	0.399 ± 0.011	0.0505	111	1.17

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Thiamethoxam	µg/l	0.249 ± 0.0129	0.264 ± 0.008	0.0424	106	0.72

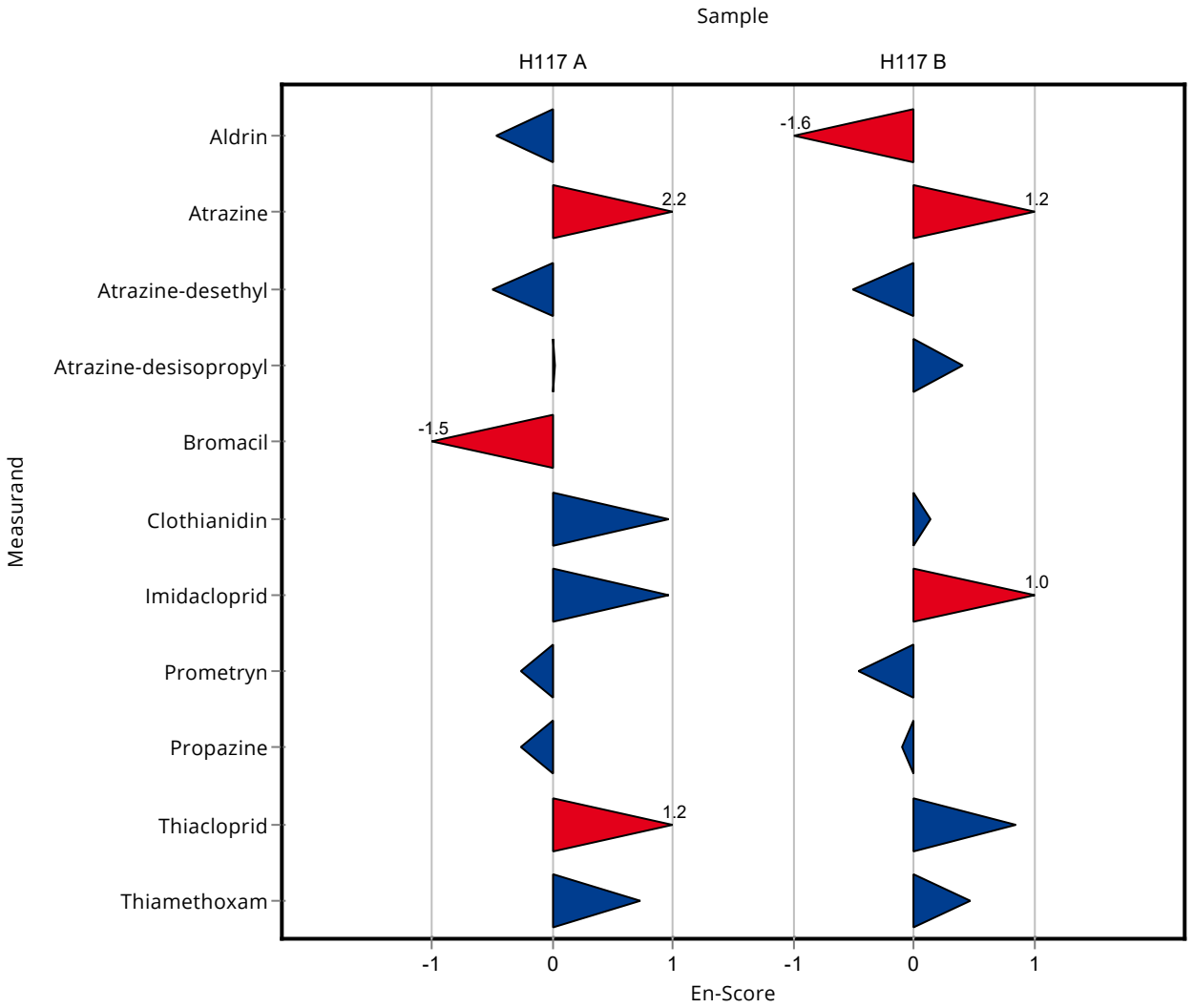
Sample: H117B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Acetamiprid	µg/l	- ± -	- ± -	-	-	-
Aldrin	µg/l	0.251 ± 0.0451	0.177 ± 0.002	0.0754	70.5	-1.64
Atrazine	µg/l	1 ± 0.0233	1.08 ± 0.03	0.11	108	1.21
Atrazine-desethyl	µg/l	1.64 ± 0.102	1.55 ± 0.075	0.197	94.4	-0.51
Atrazine-desisopropyl	µg/l	1.31 ± 0.0528	1.34 ± 0.029	0.183	102	0.40
Bromacil	µg/l	1.19 ± 0.126	- ± -	0.166	-	-
Clothianidin	µg/l	2.03 ± 0.138	2.06 ± 0.092	0.223	102	0.13
Cyanazine	µg/l	- ± -	2.09 ± 0.057	-	-	-
Dieldrin	µg/l	- ± -	0.446 ± 0.024	-	-	-
Dinotefurane	µg/l	- ± -	- ± -	-	-	-
Endrin	µg/l	- ± -	- ± -	-	-	-
Heptachlor	µg/l	- ± -	0.545 ± 0.019	-	-	-
Imidacloprid	µg/l	1.06 ± 0.068	1.14 ± 0.019	0.159	108	1.03
Lindane (Gamma-HCH)	µg/l	- ± -	- ± -	-	-	-
Nitenpyram	µg/l	- ± -	- ± -	-	-	-
Prometryn	µg/l	1.56 ± 0.108	1.5 ± 0.027	0.202	96.4	-0.46
Propazine	µg/l	0.833 ± 0.047	0.825 ± 0.035	0.108	99	-0.10
Sum Chlordane	µg/l	- ± -	- ± -	-	-	-
Sum DDD	µg/l	- ± -	- ± -	-	-	-
Sum DDE	µg/l	- ± -	- ± -	-	-	-
Sum DDT	µg/l	- ± -	- ± -	-	-	-

Summary of results Pesticides H117 - En-Score

Labcode: LC0004

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Sum Endosulfan	µg/l	- ± -	- ± -	-	-	-
Thiacloprid	µg/l	1.13 ± 0.106	1.24 ± 0.039	0.158	110	0.85
Thiamethoxam	µg/l	1.4 ± 0.0245	1.44 ± 0.036	0.239	103	0.47



Summary of results Pesticides H117

Labcode: LC0005

Sample: H117A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Acetamiprid	µg/l	- ± -	- ± -	-	-	-
Aldrin	µg/l	0.084 ± 0.0243	- ± -	0.0252	-	-
Atrazine	µg/l	0.242 ± 0.0115	0.261 ± 0.039	0.0266	108	0.73
Atrazine-desethyl	µg/l	0.563 ± 0.0319	0.569 ± 0.085	0.0675	101	0.09
Atrazine-desisopropyl	µg/l	0.279 ± 0.00831	- ± -	0.039	-	-
Bromacil	µg/l	0.419 ± 0.0105	0.538 ± 0.081	0.0586	129	2.04
Clothianidin	µg/l	0.195 ± 0.00864	- ± -	0.0215	-	-
Cyanazine	µg/l	- ± -	- ± -	-	-	-
Dieldrin	µg/l	- ± -	- ± -	-	-	-
Dinotefurane	µg/l	- ± -	- ± -	-	-	-
Endrin	µg/l	- ± -	- ± -	-	-	-
Heptachlor	µg/l	- ± -	- ± -	-	-	-
Imidacloprid	µg/l	0.212 ± 0.00461	- ± -	0.0319	-	-
Lindane (Gamma-HCH)	µg/l	- ± -	- ± -	-	-	-
Nitenpyram	µg/l	- ± -	- ± -	-	-	-
Prometryn	µg/l	0.419 ± 0.0219	0.443 ± 0.066	0.0545	106	0.44
Propazine	µg/l	0.218 ± 0.00746	0.224 ± 0.034	0.0284	103	0.21
Sum Chlordane	µg/l	- ± -	- ± -	-	-	-
Sum DDD	µg/l	- ± -	- ± -	-	-	-
Sum DDE	µg/l	- ± -	- ± -	-	-	-
Sum DDT	µg/l	- ± -	- ± -	-	-	-
Sum Endosulfan	µg/l	- ± -	- ± -	-	-	-
Thiacloprid	µg/l	0.36 ± 0.0247	- ± -	0.0505	-	-
Thiamethoxam	µg/l	0.249 ± 0.0129	- ± -	0.0424	-	-

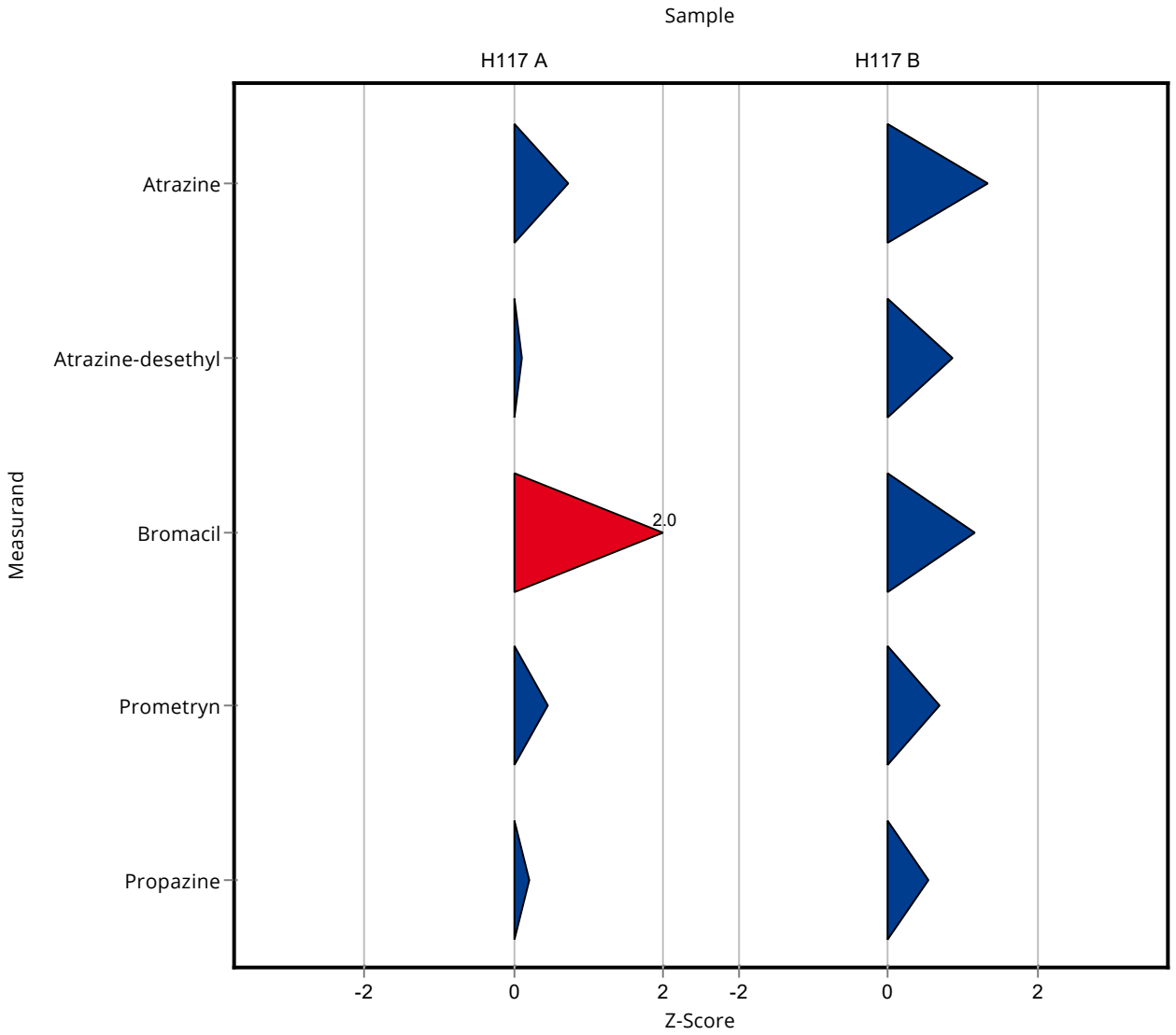
Sample: H117B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Acetamiprid	µg/l	- ± -	- ± -	-	-	-
Aldrin	µg/l	0.251 ± 0.0451	- ± -	0.0754	-	-
Atrazine	µg/l	1 ± 0.0233	1.149 ± 0.172	0.11	115	1.33

Summary of results Pesticides H117

Labcode: LC0005

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Atrazine-desethyl	µg/l	1.64 ± 0.102	1.814 ± 0.272	0.197	110	0.87
Atrazine-desisopropyl	µg/l	1.31 ± 0.0528	- ± -	0.183	-	-
Bromacil	µg/l	1.19 ± 0.126	1.38 ± 0.207	0.166	116	1.16
Clothianidin	µg/l	2.03 ± 0.138	- ± -	0.223	-	-
Cyanazine	µg/l	- ± -	- ± -	-	-	-
Dieldrin	µg/l	- ± -	- ± -	-	-	-
Dinotefurane	µg/l	- ± -	- ± -	-	-	-
Endrin	µg/l	- ± -	- ± -	-	-	-
Heptachlor	µg/l	- ± -	- ± -	-	-	-
Imidacloprid	µg/l	1.06 ± 0.068	- ± -	0.159	-	-
Lindane (Gamma-HCH)	µg/l	- ± -	- ± -	-	-	-
Nitenpyram	µg/l	- ± -	- ± -	-	-	-
Prometryn	µg/l	1.56 ± 0.108	1.698 ± 0.255	0.202	109	0.70
Propazine	µg/l	0.833 ± 0.047	0.891 ± 0.134	0.108	107	0.53
Sum Chlordane	µg/l	- ± -	- ± -	-	-	-
Sum DDD	µg/l	- ± -	- ± -	-	-	-
Sum DDE	µg/l	- ± -	- ± -	-	-	-
Sum DDT	µg/l	- ± -	- ± -	-	-	-
Sum Endosulfan	µg/l	- ± -	- ± -	-	-	-
Thiacloprid	µg/l	1.13 ± 0.106	- ± -	0.158	-	-
Thiamethoxam	µg/l	1.4 ± 0.0245	- ± -	0.239	-	-


Sample
H117 A
H117 B
Atrazine
Atrazine-desethyl
Bromacil
Prometryn
Propazine
Measurand
2.0
-2
0
2
-2
0
2
Z-Score

Summary of results Pesticides H117 - En-Score

Labcode: LC0005

Sample: H117A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Acetamiprid	µg/l	- ± -	- ± -	-	-	-
Aldrin	µg/l	0.084 ± 0.0243	- ± -	0.0252	-	-
Atrazine	µg/l	0.242 ± 0.0115	0.261 ± 0.039	0.0266	108	0.25
Atrazine-desethyl	µg/l	0.563 ± 0.0319	0.569 ± 0.085	0.0675	101	0.04
Atrazine-desisopropyl	µg/l	0.279 ± 0.00831	- ± -	0.039	-	-
Bromacil	µg/l	0.419 ± 0.0105	0.538 ± 0.081	0.0586	129	0.74
Clothianidin	µg/l	0.195 ± 0.00864	- ± -	0.0215	-	-
Cyanazine	µg/l	- ± -	- ± -	-	-	-
Dieldrin	µg/l	- ± -	- ± -	-	-	-
Dinotefurane	µg/l	- ± -	- ± -	-	-	-
Endrin	µg/l	- ± -	- ± -	-	-	-
Heptachlor	µg/l	- ± -	- ± -	-	-	-
Imidacloprid	µg/l	0.212 ± 0.00461	- ± -	0.0319	-	-
Lindane (Gamma-HCH)	µg/l	- ± -	- ± -	-	-	-
Nitenpyram	µg/l	- ± -	- ± -	-	-	-
Prometryn	µg/l	0.419 ± 0.0219	0.443 ± 0.066	0.0545	106	0.18
Propazine	µg/l	0.218 ± 0.00746	0.224 ± 0.034	0.0284	103	0.09
Sum Chlordane	µg/l	- ± -	- ± -	-	-	-
Sum DDD	µg/l	- ± -	- ± -	-	-	-
Sum DDE	µg/l	- ± -	- ± -	-	-	-
Sum DDT	µg/l	- ± -	- ± -	-	-	-
Sum Endosulfan	µg/l	- ± -	- ± -	-	-	-
Thiacloprid	µg/l	0.36 ± 0.0247	- ± -	0.0505	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Thiamethoxam	µg/l	0.249 ± 0.0129	- ± -	0.0424	-	-

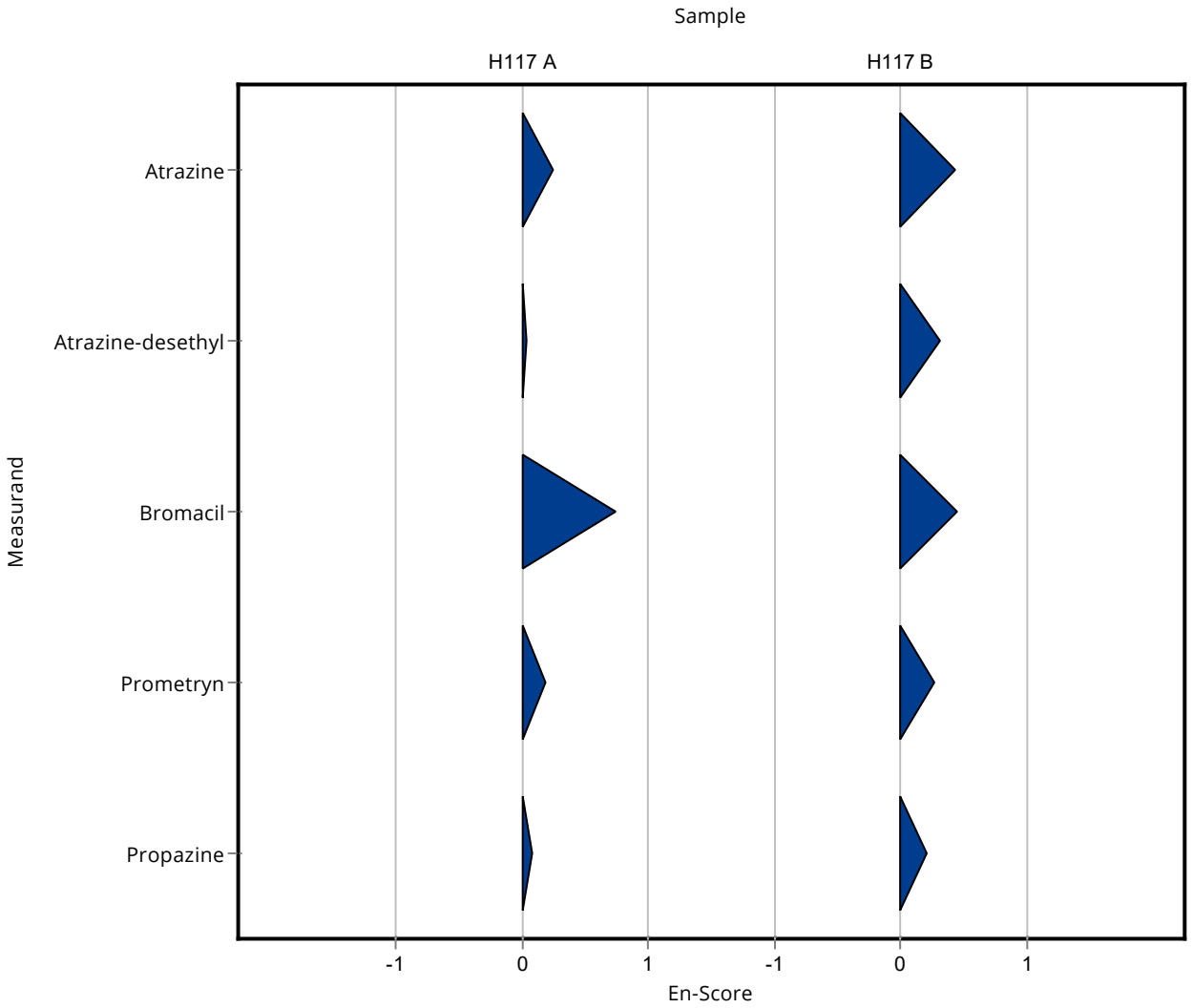
Sample: H117B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Acetamiprid	µg/l	- ± -	- ± -	-	-	-
Aldrin	µg/l	0.251 ± 0.0451	- ± -	0.0754	-	-
Atrazine	µg/l	1 ± 0.0233	1.149 ± 0.172	0.11	115	0.43
Atrazine-desethyl	µg/l	1.64 ± 0.102	1.814 ± 0.272	0.197	110	0.31
Atrazine-desisopropyl	µg/l	1.31 ± 0.0528	- ± -	0.183	-	-
Bromacil	µg/l	1.19 ± 0.126	1.38 ± 0.207	0.166	116	0.44
Clothianidin	µg/l	2.03 ± 0.138	- ± -	0.223	-	-
Cyanazine	µg/l	- ± -	- ± -	-	-	-
Dieldrin	µg/l	- ± -	- ± -	-	-	-
Dinotefurane	µg/l	- ± -	- ± -	-	-	-
Endrin	µg/l	- ± -	- ± -	-	-	-
Heptachlor	µg/l	- ± -	- ± -	-	-	-
Imidacloprid	µg/l	1.06 ± 0.068	- ± -	0.159	-	-
Lindane (Gamma-HCH)	µg/l	- ± -	- ± -	-	-	-
Nitenpyram	µg/l	- ± -	- ± -	-	-	-
Prometryn	µg/l	1.56 ± 0.108	1.698 ± 0.255	0.202	109	0.27
Propazine	µg/l	0.833 ± 0.047	0.891 ± 0.134	0.108	107	0.21
Sum Chlordane	µg/l	- ± -	- ± -	-	-	-
Sum DDD	µg/l	- ± -	- ± -	-	-	-
Sum DDE	µg/l	- ± -	- ± -	-	-	-
Sum DDT	µg/l	- ± -	- ± -	-	-	-

Summary of results Pesticides H117 - En-Score

Labcode: LC0005

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Sum Endosulfan	µg/l	- ± -	- ± -	-	-	-
Thiacloprid	µg/l	1.13 ± 0.106	- ± -	0.158	-	-
Thiamethoxam	µg/l	1.4 ± 0.0245	- ± -	0.239	-	-



Summary of results Pesticides H117

Labcode: LC0006

Sample: H117A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Acetamiprid	µg/l	- ± -	- ± -	-	-	-
Aldrin	µg/l	0.084 ± 0.0243	0.123 ± 0.027	0.0252	146	1.55
Atrazine	µg/l	0.242 ± 0.0115	- ± -	0.0266	-	-
Atrazine-desethyl	µg/l	0.563 ± 0.0319	- ± -	0.0675	-	-
Atrazine-desisopropyl	µg/l	0.279 ± 0.00831	- ± -	0.039	-	-
Bromacil	µg/l	0.419 ± 0.0105	- ± -	0.0586	-	-
Clothianidin	µg/l	0.195 ± 0.00864	- ± -	0.0215	-	-
Cyanazine	µg/l	- ± -	- ± -	-	-	-
Dieldrin	µg/l	- ± -	0.218 ± 0.048	-	-	-
Dinotefurane	µg/l	- ± -	- ± -	-	-	-
Endrin	µg/l	- ± -	0.232 ± 0.051	-	-	-
Heptachlor	µg/l	- ± -	0.177 ± 0.039	-	-	-
Imidacloprid	µg/l	0.212 ± 0.00461	- ± -	0.0319	-	-
Lindane (Gamma-HCH)	µg/l	- ± -	0.212 ± 0.047	-	-	-
Nitenpyram	µg/l	- ± -	- ± -	-	-	-
Prometryn	µg/l	0.419 ± 0.0219	- ± -	0.0545	-	-
Propazine	µg/l	0.218 ± 0.00746	- ± -	0.0284	-	-
Sum Chlordane	µg/l	- ± -	- ± -	-	-	-
Sum DDD	µg/l	- ± -	0.254 ± 0.056	-	-	-
Sum DDE	µg/l	- ± -	0.262 ± 0.058	-	-	-
Sum DDT	µg/l	- ± -	0.353 ± 0.078	-	-	-
Sum Endosulfan	µg/l	- ± -	0.315 ± 0.069	-	-	-
Thiacloprid	µg/l	0.36 ± 0.0247	- ± -	0.0505	-	-
Thiamethoxam	µg/l	0.249 ± 0.0129	- ± -	0.0424	-	-

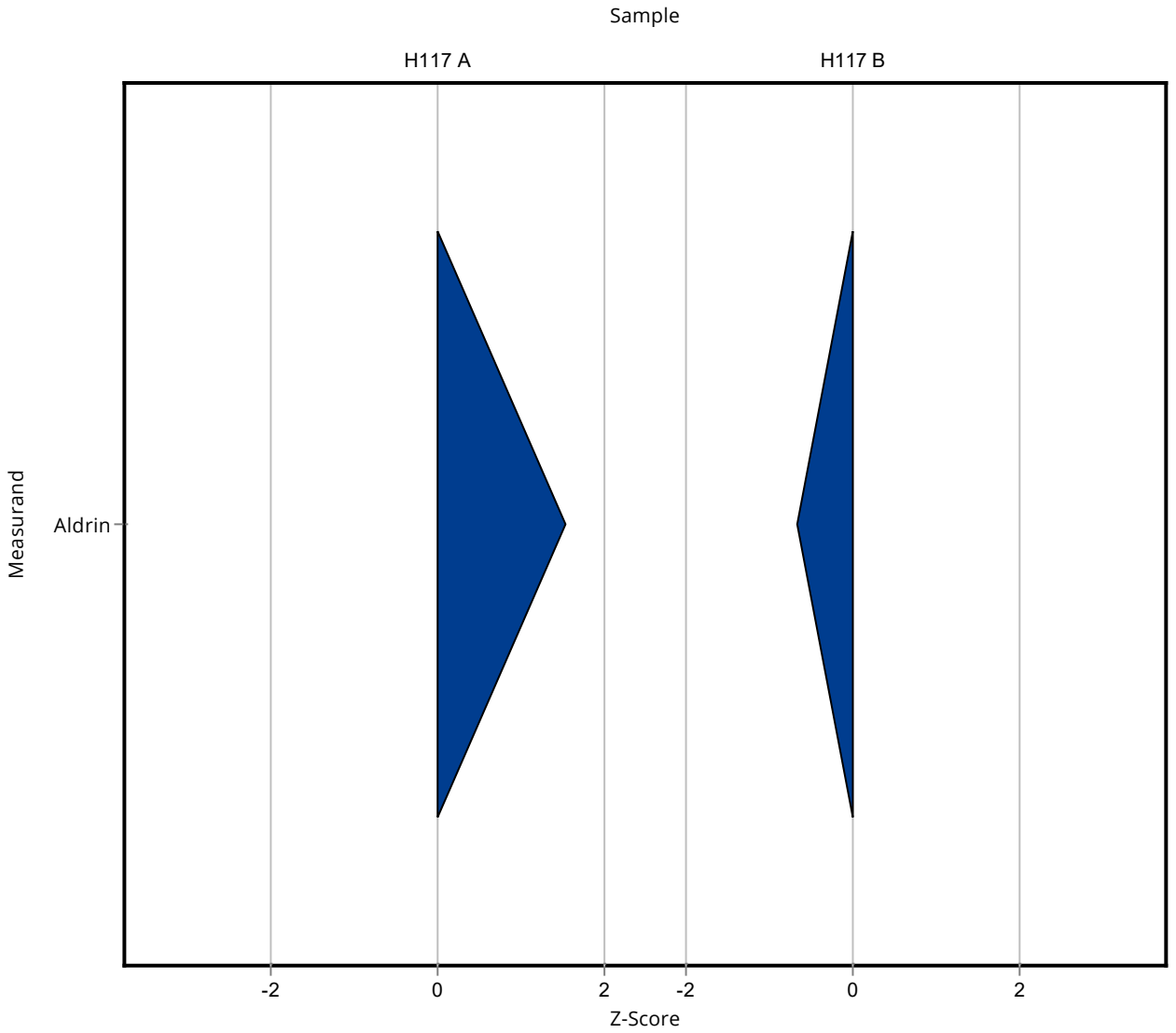
Sample: H117B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Acetamiprid	µg/l	- ± -	- ± -	-	-	-
Aldrin	µg/l	0.251 ± 0.0451	0.201 ± 0.044	0.0754	80	-0.67
Atrazine	µg/l	1 ± 0.0233	- ± -	0.11	-	-

Summary of results Pesticides H117

Labcode: LC0006

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Atrazine-desethyl	µg/l	1.64 ± 0.102	- ± -	0.197	-	-
Atrazine-desisopropyl	µg/l	1.31 ± 0.0528	- ± -	0.183	-	-
Bromacil	µg/l	1.19 ± 0.126	- ± -	0.166	-	-
Clothianidin	µg/l	2.03 ± 0.138	- ± -	0.223	-	-
Cyanazine	µg/l	- ± -	- ± -	-	-	-
Dieldrin	µg/l	- ± -	0.531 ± 0.117	-	-	-
Dinotefurane	µg/l	- ± -	- ± -	-	-	-
Endrin	µg/l	- ± -	0.817 ± 0.18	-	-	-
Heptachlor	µg/l	- ± -	0.395 ± 0.087	-	-	-
Imidacloprid	µg/l	1.06 ± 0.068	- ± -	0.159	-	-
Lindane (Gamma-HCH)	µg/l	- ± -	0.493 ± 0.109	-	-	-
Nitenpyram	µg/l	- ± -	- ± -	-	-	-
Prometryn	µg/l	1.56 ± 0.108	- ± -	0.202	-	-
Propazine	µg/l	0.833 ± 0.047	- ± -	0.108	-	-
Sum Chlordane	µg/l	- ± -	- ± -	-	-	-
Sum DDD	µg/l	- ± -	0.443 ± 0.098	-	-	-
Sum DDE	µg/l	- ± -	0.218 ± 0.048	-	-	-
Sum DDT	µg/l	- ± -	0.504 ± 0.11	-	-	-
Sum Endosulfan	µg/l	- ± -	0.436 ± 0.096	-	-	-
Thiacloprid	µg/l	1.13 ± 0.106	- ± -	0.158	-	-
Thiamethoxam	µg/l	1.4 ± 0.0245	- ± -	0.239	-	-


Sample
H117 A
H117 B
Measurand
Aldrin
-2
0
2
-2
0
2
Z-Score

Sample: H117A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Acetamiprid	µg/l	- ± -	- ± -	-	-	-
Aldrin	µg/l	0.084 ± 0.0243	0.123 ± 0.027	0.0252	146	0.66
Atrazine	µg/l	0.242 ± 0.0115	- ± -	0.0266	-	-
Atrazine-desethyl	µg/l	0.563 ± 0.0319	- ± -	0.0675	-	-
Atrazine-desisopropyl	µg/l	0.279 ± 0.00831	- ± -	0.039	-	-
Bromacil	µg/l	0.419 ± 0.0105	- ± -	0.0586	-	-
Clothianidin	µg/l	0.195 ± 0.00864	- ± -	0.0215	-	-
Cyanazine	µg/l	- ± -	- ± -	-	-	-
Dieldrin	µg/l	- ± -	0.218 ± 0.048	-	-	-
Dinotefurane	µg/l	- ± -	- ± -	-	-	-
Endrin	µg/l	- ± -	0.232 ± 0.051	-	-	-
Heptachlor	µg/l	- ± -	0.177 ± 0.039	-	-	-
Imidacloprid	µg/l	0.212 ± 0.00461	- ± -	0.0319	-	-
Lindane (Gamma-HCH)	µg/l	- ± -	0.212 ± 0.047	-	-	-
Nitenpyram	µg/l	- ± -	- ± -	-	-	-
Prometryn	µg/l	0.419 ± 0.0219	- ± -	0.0545	-	-
Propazine	µg/l	0.218 ± 0.00746	- ± -	0.0284	-	-
Sum Chlordane	µg/l	- ± -	- ± -	-	-	-
Sum DDD	µg/l	- ± -	0.254 ± 0.056	-	-	-
Sum DDE	µg/l	- ± -	0.262 ± 0.058	-	-	-
Sum DDT	µg/l	- ± -	0.353 ± 0.078	-	-	-
Sum Endosulfan	µg/l	- ± -	0.315 ± 0.069	-	-	-
Thiacloprid	µg/l	0.36 ± 0.0247	- ± -	0.0505	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Thiamethoxam	µg/l	0.249 ± 0.0129	- ± -	0.0424	-	-

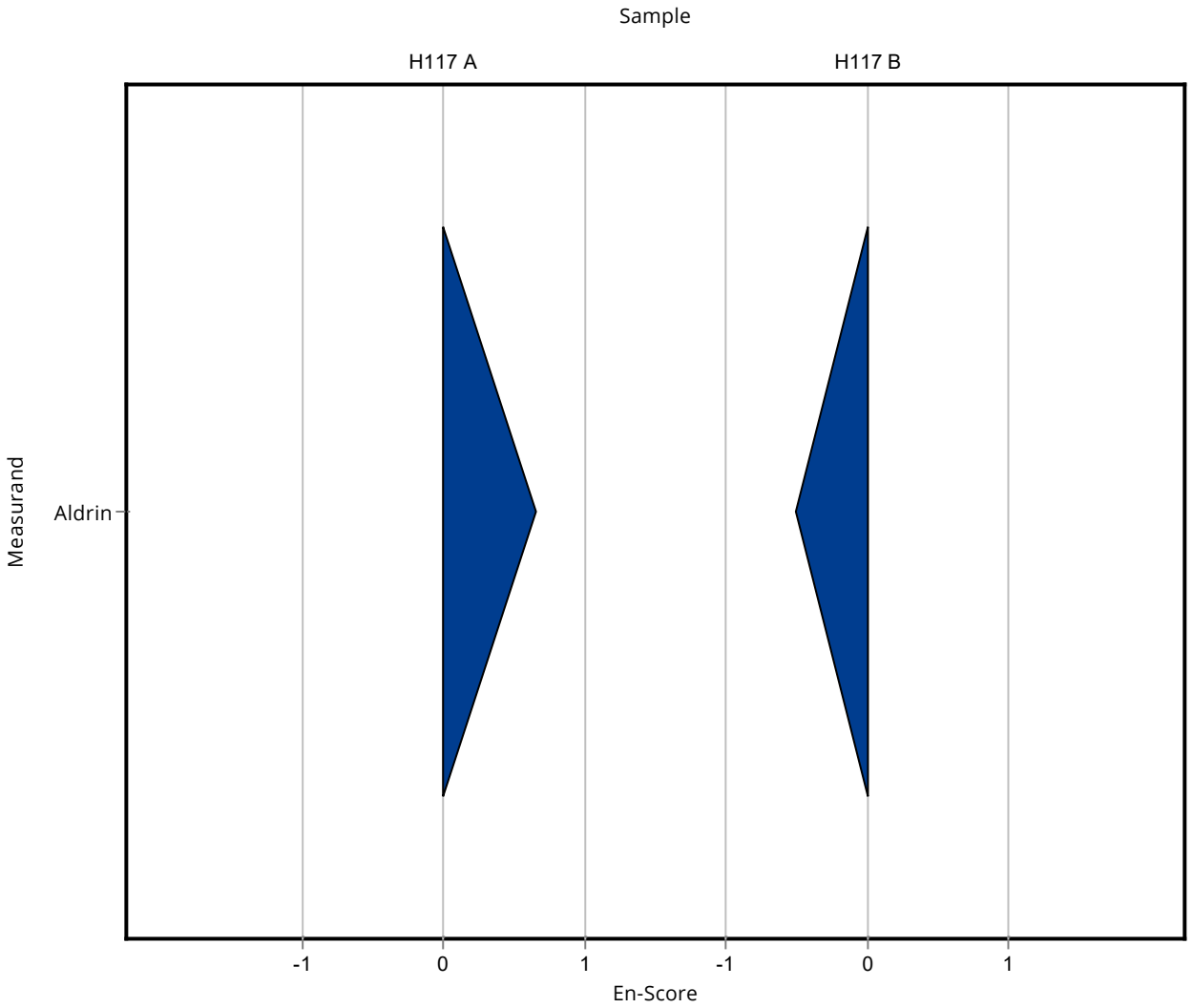
Sample: H117B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Acetamiprid	µg/l	- ± -	- ± -	-	-	-
Aldrin	µg/l	0.251 ± 0.0451	0.201 ± 0.044	0.0754	80	-0.51
Atrazine	µg/l	1 ± 0.0233	- ± -	0.11	-	-
Atrazine-desethyl	µg/l	1.64 ± 0.102	- ± -	0.197	-	-
Atrazine-desisopropyl	µg/l	1.31 ± 0.0528	- ± -	0.183	-	-
Bromacil	µg/l	1.19 ± 0.126	- ± -	0.166	-	-
Clothianidin	µg/l	2.03 ± 0.138	- ± -	0.223	-	-
Cyanazine	µg/l	- ± -	- ± -	-	-	-
Dieldrin	µg/l	- ± -	0.531 ± 0.117	-	-	-
Dinotefurane	µg/l	- ± -	- ± -	-	-	-
Endrin	µg/l	- ± -	0.817 ± 0.18	-	-	-
Heptachlor	µg/l	- ± -	0.395 ± 0.087	-	-	-
Imidacloprid	µg/l	1.06 ± 0.068	- ± -	0.159	-	-
Lindane (Gamma-HCH)	µg/l	- ± -	0.493 ± 0.109	-	-	-
Nitenpyram	µg/l	- ± -	- ± -	-	-	-
Prometryn	µg/l	1.56 ± 0.108	- ± -	0.202	-	-
Propazine	µg/l	0.833 ± 0.047	- ± -	0.108	-	-
Sum Chlordane	µg/l	- ± -	- ± -	-	-	-
Sum DDD	µg/l	- ± -	0.443 ± 0.098	-	-	-
Sum DDE	µg/l	- ± -	0.218 ± 0.048	-	-	-
Sum DDT	µg/l	- ± -	0.504 ± 0.11	-	-	-

Summary of results Pesticides H117 - En-Score

Labcode: LC0006

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Sum Endosulfan	µg/l	- ± -	0.436 ± 0.096	-	-	-
Thiacloprid	µg/l	1.13 ± 0.106	- ± -	0.158	-	-
Thiamethoxam	µg/l	1.4 ± 0.0245	- ± -	0.239	-	-



Summary of results Pesticides H117

Labcode: LC0007

Sample: H117A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Acetamiprid	µg/l	- ± -	- ± -	-	-	-
Aldrin	µg/l	0.084 ± 0.0243	- ± -	0.0252	-	-
Atrazine	µg/l	0.242 ± 0.0115	0.23 ± 0.050577	0.0266	95.2	-0.44
Atrazine-desethyl	µg/l	0.563 ± 0.0319	0.557 ± 0.108559	0.0675	99	-0.09
Atrazine-desisopropyl	µg/l	0.279 ± 0.00831	0.269 ± 0.0892	0.039	96.5	-0.25
Bromacil	µg/l	0.419 ± 0.0105	0.473 ± 0.115838	0.0586	113	0.93
Clothianidin	µg/l	0.195 ± 0.00864	0.194 ± 0.029643	0.0215	99.3	-0.06
Cyanazine	µg/l	- ± -	- ± -	-	-	-
Dieldrin	µg/l	- ± -	- ± -	-	-	-
Dinotefurane	µg/l	- ± -	- ± -	-	-	-
Endrin	µg/l	- ± -	- ± -	-	-	-
Heptachlor	µg/l	- ± -	- ± -	-	-	-
Imidacloprid	µg/l	0.212 ± 0.00461	0.2115 ± 0.04782	0.0319	99.6	-0.03
Lindane (Gamma-HCH)	µg/l	- ± -	- ± -	-	-	-
Nitenpyram	µg/l	- ± -	- ± -	-	-	-
Prometryn	µg/l	0.419 ± 0.0219	- ± -	0.0545	-	-
Propazine	µg/l	0.218 ± 0.00746	0.1615 ± 0.054878	0.0284	74	-2.00
Sum Chlordane	µg/l	- ± -	- ± -	-	-	-
Sum DDD	µg/l	- ± -	- ± -	-	-	-
Sum DDE	µg/l	- ± -	- ± -	-	-	-
Sum DDT	µg/l	- ± -	- ± -	-	-	-
Sum Endosulfan	µg/l	- ± -	- ± -	-	-	-
Thiacloprid	µg/l	0.36 ± 0.0247	0.325 ± 0.04888	0.0505	90.2	-0.70
Thiamethoxam	µg/l	0.249 ± 0.0129	0.2335 ± 0.079577	0.0424	93.7	-0.37

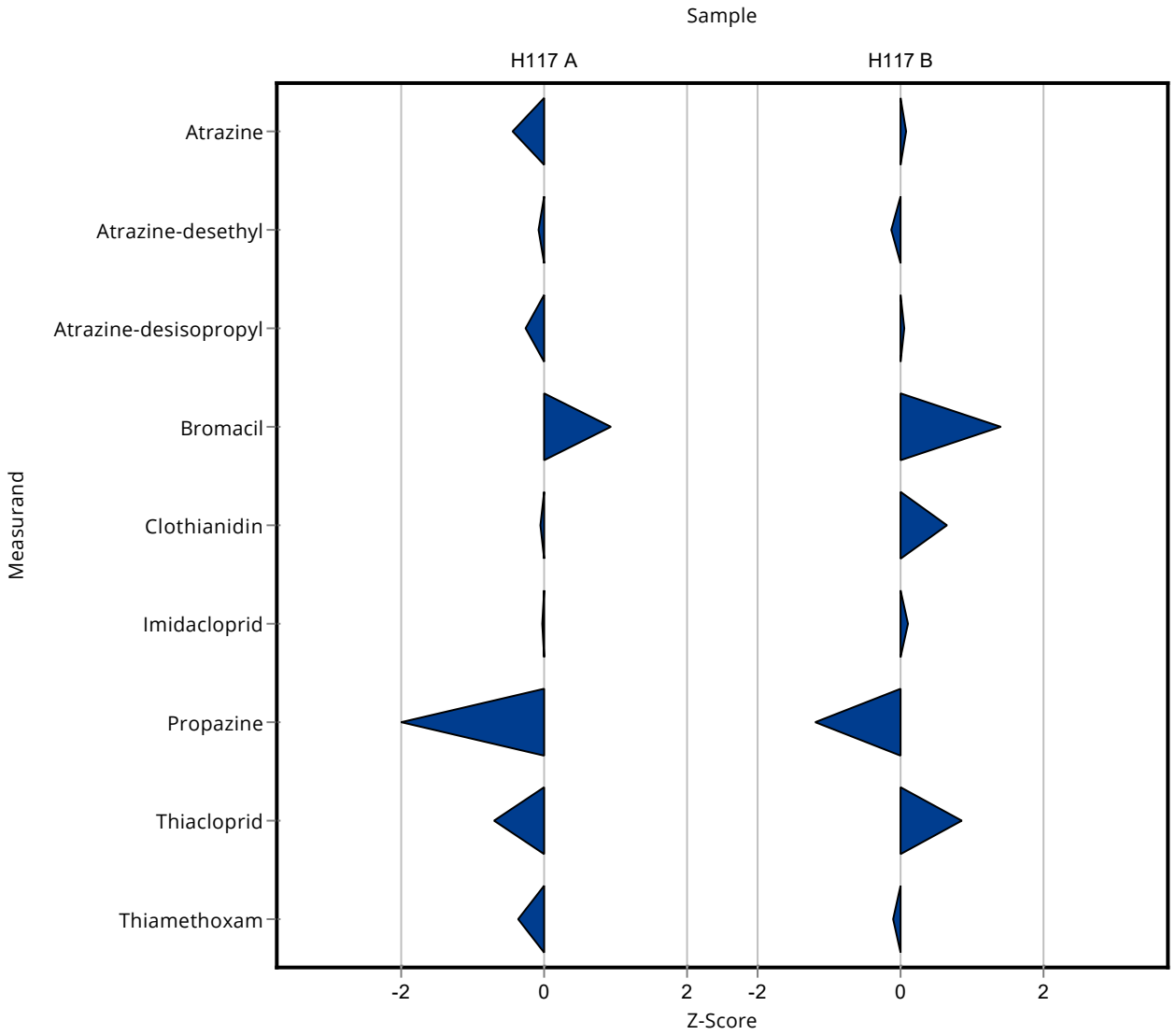
Sample: H117B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Acetamiprid	µg/l	- ± -	- ± -	-	-	-
Aldrin	µg/l	0.251 ± 0.0451	- ± -	0.0754	-	-
Atrazine	µg/l	1 ± 0.0233	1.0115 ± 0.222429	0.11	101	0.09

Summary of results Pesticides H117

Labcode: LC0007

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Atrazine-desethyl	µg/l	1.64 ± 0.102	1.617 ± 0.315153	0.197	98.5	-0.13
Atrazine-desisopropyl	µg/l	1.31 ± 0.0528	1.319 ± 0.43738	0.183	101	0.06
Bromacil	µg/l	1.19 ± 0.126	1.42 ± 0.347758	0.166	120	1.40
Clothianidin	µg/l	2.03 ± 0.138	2.174 ± 0.332187	0.223	107	0.65
Cyanazine	µg/l	- ± -	- ± -	-	-	-
Dieldrin	µg/l	- ± -	- ± -	-	-	-
Dinotefurane	µg/l	- ± -	- ± -	-	-	-
Endrin	µg/l	- ± -	- ± -	-	-	-
Heptachlor	µg/l	- ± -	- ± -	-	-	-
Imidacloprid	µg/l	1.06 ± 0.068	1.0745 ± 0.242944	0.159	101	0.09
Lindane (Gamma-HCH)	µg/l	- ± -	- ± -	-	-	-
Nitenpyram	µg/l	- ± -	- ± -	-	-	-
Prometryn	µg/l	1.56 ± 0.108	- ± -	0.202	-	-
Propazine	µg/l	0.833 ± 0.047	0.7035 ± 0.239049	0.108	84.4	-1.20
Sum Chlordane	µg/l	- ± -	- ± -	-	-	-
Sum DDD	µg/l	- ± -	- ± -	-	-	-
Sum DDE	µg/l	- ± -	- ± -	-	-	-
Sum DDT	µg/l	- ± -	- ± -	-	-	-
Sum Endosulfan	µg/l	- ± -	- ± -	-	-	-
Thiacloprid	µg/l	1.13 ± 0.106	1.2615 ± 0.18973	0.158	112	0.85
Thiamethoxam	µg/l	1.4 ± 0.0245	1.3805 ± 0.470474	0.239	98.3	-0.10


Sample
H117 A
H117 B
Atrazine
Atrazine-desethyl
Atrazine-desisopropyl
Bromacil
Clothianidin
Imidacloprid
Propazine
Thiacloprid
Thiamethoxam
Measurand
-2
0
2
-2
0
2
Z-Score

Summary of results Pesticides H117 - En-Score

Labcode: LC0007

Sample: H117A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Acetamiprid	µg/l	- ± -	- ± -	-	-	-
Aldrin	µg/l	0.084 ± 0.0243	- ± -	0.0252	-	-
Atrazine	µg/l	0.242 ± 0.0115	0.23 ± 0.050577	0.0266	95.2	-0.11
Atrazine-desethyl	µg/l	0.563 ± 0.0319	0.557 ± 0.108559	0.0675	99	-0.03
Atrazine-desisopropyl	µg/l	0.279 ± 0.00831	0.269 ± 0.0892	0.039	96.5	-0.05
Bromacil	µg/l	0.419 ± 0.0105	0.473 ± 0.115838	0.0586	113	0.23
Clothianidin	µg/l	0.195 ± 0.00864	0.194 ± 0.029643	0.0215	99.3	-0.02
Cyanazine	µg/l	- ± -	- ± -	-	-	-
Dieldrin	µg/l	- ± -	- ± -	-	-	-
Dinotefurane	µg/l	- ± -	- ± -	-	-	-
Endrin	µg/l	- ± -	- ± -	-	-	-
Heptachlor	µg/l	- ± -	- ± -	-	-	-
Imidacloprid	µg/l	0.212 ± 0.00461	0.2115 ± 0.04782	0.0319	99.6	-0.01
Lindane (Gamma-HCH)	µg/l	- ± -	- ± -	-	-	-
Nitenpyram	µg/l	- ± -	- ± -	-	-	-
Prometryn	µg/l	0.419 ± 0.0219	- ± -	0.0545	-	-
Propazine	µg/l	0.218 ± 0.00746	0.1615 ± 0.054878	0.0284	74	-0.51
Sum Chlordane	µg/l	- ± -	- ± -	-	-	-
Sum DDD	µg/l	- ± -	- ± -	-	-	-
Sum DDE	µg/l	- ± -	- ± -	-	-	-
Sum DDT	µg/l	- ± -	- ± -	-	-	-
Sum Endosulfan	µg/l	- ± -	- ± -	-	-	-
Thiacloprid	µg/l	0.36 ± 0.0247	0.325 ± 0.04888	0.0505	90.2	-0.35

Summary of results Pesticides H117 - En-Score

Labcode: LC0007

Parameter	Unit	Assigned value	±	U (k=2)	Result	±	U	Criterion	Recovery [%]	En-Score
Thiamethoxam	µg/l	0.249	±	0.0129	0.2335	±	0.079577	0.0424	93.7	-0.10

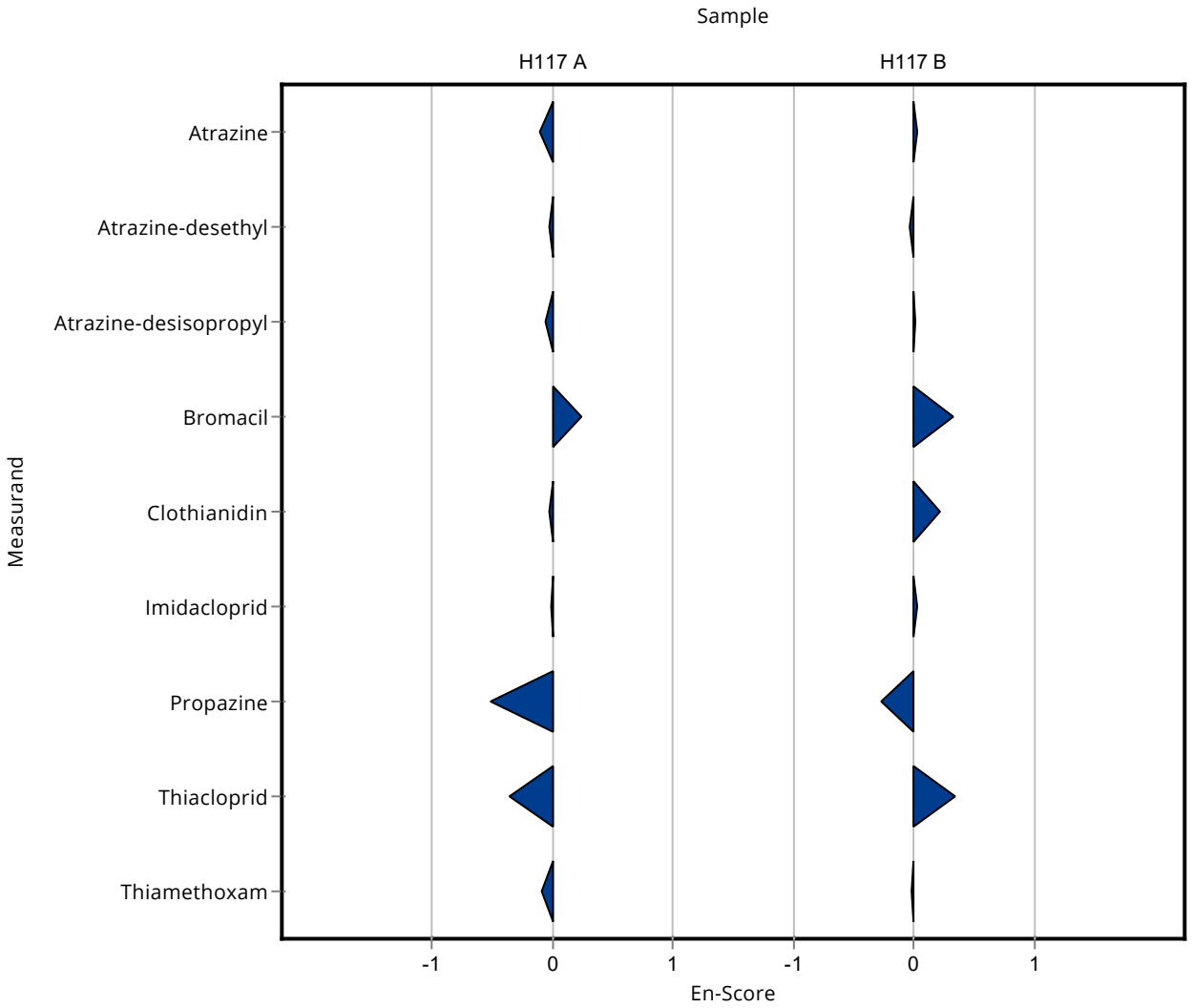
Sample: H117B

Parameter	Unit	Assigned value	±	U (k=2)	Result	±	U	Criterion	Recovery [%]	En-Score
Acetamiprid	µg/l	-	±	-	-	±	-	-	-	-
Aldrin	µg/l	0.251	±	0.0451	-	±	-	0.0754	-	-
Atrazine	µg/l	1	±	0.0233	1.0115	±	0.222429	0.11	101	0.02
Atrazine-desethyl	µg/l	1.64	±	0.102	1.617	±	0.315153	0.197	98.5	-0.04
Atrazine-desisopropyl	µg/l	1.31	±	0.0528	1.319	±	0.43738	0.183	101	0.01
Bromacil	µg/l	1.19	±	0.126	1.42	±	0.347758	0.166	120	0.33
Clothianidin	µg/l	2.03	±	0.138	2.174	±	0.332187	0.223	107	0.21
Cyanazine	µg/l	-	±	-	-	±	-	-	-	-
Dieldrin	µg/l	-	±	-	-	±	-	-	-	-
Dinotefurane	µg/l	-	±	-	-	±	-	-	-	-
Endrin	µg/l	-	±	-	-	±	-	-	-	-
Heptachlor	µg/l	-	±	-	-	±	-	-	-	-
Imidacloprid	µg/l	1.06	±	0.068	1.0745	±	0.242944	0.159	101	0.03
Lindane (Gamma-HCH)	µg/l	-	±	-	-	±	-	-	-	-
Nitenpyram	µg/l	-	±	-	-	±	-	-	-	-
Prometryn	µg/l	1.56	±	0.108	-	±	-	0.202	-	-
Propazine	µg/l	0.833	±	0.047	0.7035	±	0.239049	0.108	84.4	-0.27
Sum Chlordane	µg/l	-	±	-	-	±	-	-	-	-
Sum DDD	µg/l	-	±	-	-	±	-	-	-	-
Sum DDE	µg/l	-	±	-	-	±	-	-	-	-
Sum DDT	µg/l	-	±	-	-	±	-	-	-	-

Summary of results Pesticides H117 - En-Score

Labcode: LC0007

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Sum Endosulfan	µg/l	- ± -	- ± -	-	-	-
Thiacloprid	µg/l	1.13 ± 0.106	1.2615 ± 0.18973	0.158	112	0.34
Thiamethoxam	µg/l	1.4 ± 0.0245	1.3805 ± 0.470474	0.239	98.3	-0.03



Summary of results Pesticides H117

Labcode: LC0008

Sample: H117A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Acetamiprid	µg/l	- ± -	- ± -	-	-	-
Aldrin	µg/l	0.084 ± 0.0243	- ± -	0.0252	-	-
Atrazine	µg/l	0.242 ± 0.0115	0.228 ± 0.027	0.0266	94.4	-0.51
Atrazine-desethyl	µg/l	0.563 ± 0.0319	0.594 ± 0.12	0.0675	106	0.46
Atrazine-desisopropyl	µg/l	0.279 ± 0.00831	0.28 ± 0.042	0.039	100	0.03
Bromacil	µg/l	0.419 ± 0.0105	0.422 ± 0.093	0.0586	101	0.06
Clothianidin	µg/l	0.195 ± 0.00864	- ± -	0.0215	-	-
Cyanazine	µg/l	- ± -	0.237 ± 0.047	-	-	-
Dieldrin	µg/l	- ± -	- ± -	-	-	-
Dinotefurane	µg/l	- ± -	- ± -	-	-	-
Endrin	µg/l	- ± -	- ± -	-	-	-
Heptachlor	µg/l	- ± -	- ± -	-	-	-
Imidacloprid	µg/l	0.212 ± 0.00461	- ± -	0.0319	-	-
Lindane (Gamma-HCH)	µg/l	- ± -	- ± -	-	-	-
Nitenpyram	µg/l	- ± -	- ± -	-	-	-
Prometryn	µg/l	0.419 ± 0.0219	0.425 ± 0.085	0.0545	101	0.11
Propazine	µg/l	0.218 ± 0.00746	0.199 ± 0.04	0.0284	91.2	-0.68
Sum Chlordane	µg/l	- ± -	- ± -	-	-	-
Sum DDD	µg/l	- ± -	- ± -	-	-	-
Sum DDE	µg/l	- ± -	- ± -	-	-	-
Sum DDT	µg/l	- ± -	- ± -	-	-	-
Sum Endosulfan	µg/l	- ± -	- ± -	-	-	-
Thiacloprid	µg/l	0.36 ± 0.0247	- ± -	0.0505	-	-
Thiamethoxam	µg/l	0.249 ± 0.0129	- ± -	0.0424	-	-

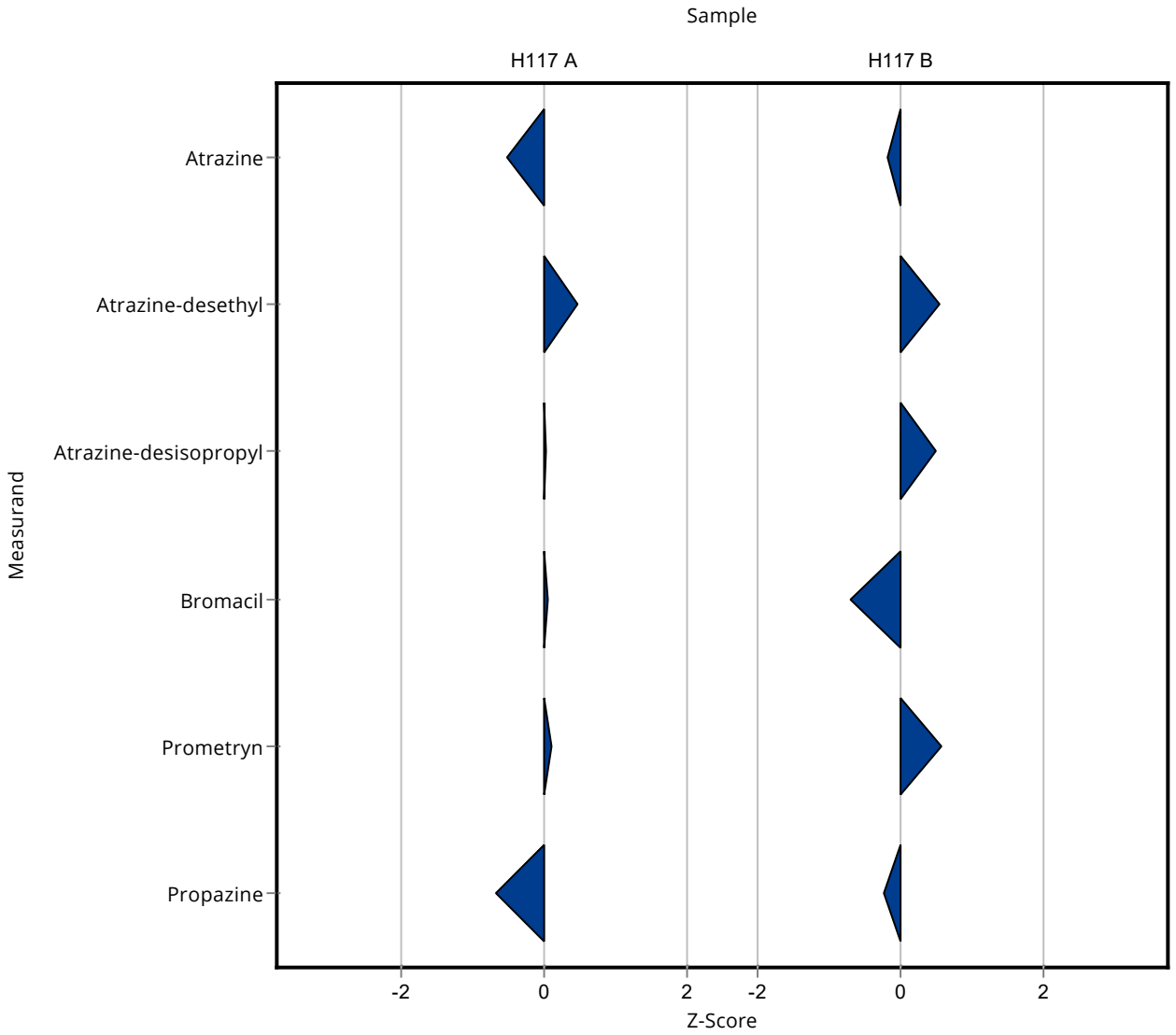
Sample: H117B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Acetamiprid	µg/l	- ± -	- ± -	-	-	-
Aldrin	µg/l	0.251 ± 0.0451	- ± -	0.0754	-	-
Atrazine	µg/l	1 ± 0.0233	0.981 ± 0.12	0.11	97.9	-0.19

Summary of results Pesticides H117

Labcode: LC0008

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Atrazine-desethyl	µg/l	1.64 ± 0.102	1.75 ± 0.37	0.197	107	0.55
Atrazine-desisopropyl	µg/l	1.31 ± 0.0528	1.4 ± 0.21	0.183	107	0.50
Bromacil	µg/l	1.19 ± 0.126	1.07 ± 0.24	0.166	90.1	-0.71
Clothianidin	µg/l	2.03 ± 0.138	- ± -	0.223	-	-
Cyanazine	µg/l	- ± -	2.03 ± 0.41	-	-	-
Dieldrin	µg/l	- ± -	- ± -	-	-	-
Dinotefurane	µg/l	- ± -	- ± -	-	-	-
Endrin	µg/l	- ± -	- ± -	-	-	-
Heptachlor	µg/l	- ± -	- ± -	-	-	-
Imidacloprid	µg/l	1.06 ± 0.068	- ± -	0.159	-	-
Lindane (Gamma-HCH)	µg/l	- ± -	- ± -	-	-	-
Nitenpyram	µg/l	- ± -	- ± -	-	-	-
Prometryn	µg/l	1.56 ± 0.108	1.67 ± 0.33	0.202	107	0.56
Propazine	µg/l	0.833 ± 0.047	0.807 ± 0.16	0.108	96.9	-0.24
Sum Chlordane	µg/l	- ± -	- ± -	-	-	-
Sum DDD	µg/l	- ± -	- ± -	-	-	-
Sum DDE	µg/l	- ± -	- ± -	-	-	-
Sum DDT	µg/l	- ± -	- ± -	-	-	-
Sum Endosulfan	µg/l	- ± -	- ± -	-	-	-
Thiacloprid	µg/l	1.13 ± 0.106	- ± -	0.158	-	-
Thiamethoxam	µg/l	1.4 ± 0.0245	- ± -	0.239	-	-


Sample
H117 A
H117 B
Atrazine
Atrazine-desethyl
Atrazine-desisopropyl
Bromacil
Prometryn
Propazine
Measurand
-2
0
2
-2
0
2
Z-Score

Sample: H117A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Acetamiprid	µg/l	- ± -	- ± -	-	-	-
Aldrin	µg/l	0.084 ± 0.0243	- ± -	0.0252	-	-
Atrazine	µg/l	0.242 ± 0.0115	0.228 ± 0.027	0.0266	94.4	-0.25
Atrazine-desethyl	µg/l	0.563 ± 0.0319	0.594 ± 0.12	0.0675	106	0.13
Atrazine-desisopropyl	µg/l	0.279 ± 0.00831	0.28 ± 0.042	0.039	100	0.02
Bromacil	µg/l	0.419 ± 0.0105	0.422 ± 0.093	0.0586	101	0.02
Clothianidin	µg/l	0.195 ± 0.00864	- ± -	0.0215	-	-
Cyanazine	µg/l	- ± -	0.237 ± 0.047	-	-	-
Dieldrin	µg/l	- ± -	- ± -	-	-	-
Dinotefurane	µg/l	- ± -	- ± -	-	-	-
Endrin	µg/l	- ± -	- ± -	-	-	-
Heptachlor	µg/l	- ± -	- ± -	-	-	-
Imidacloprid	µg/l	0.212 ± 0.00461	- ± -	0.0319	-	-
Lindane (Gamma-HCH)	µg/l	- ± -	- ± -	-	-	-
Nitenpyram	µg/l	- ± -	- ± -	-	-	-
Prometryn	µg/l	0.419 ± 0.0219	0.425 ± 0.085	0.0545	101	0.04
Propazine	µg/l	0.218 ± 0.00746	0.199 ± 0.04	0.0284	91.2	-0.24
Sum Chlordane	µg/l	- ± -	- ± -	-	-	-
Sum DDD	µg/l	- ± -	- ± -	-	-	-
Sum DDE	µg/l	- ± -	- ± -	-	-	-
Sum DDT	µg/l	- ± -	- ± -	-	-	-
Sum Endosulfan	µg/l	- ± -	- ± -	-	-	-
Thiacloprid	µg/l	0.36 ± 0.0247	- ± -	0.0505	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Thiamethoxam	µg/l	0.249 ± 0.0129	- ± -	0.0424	-	-

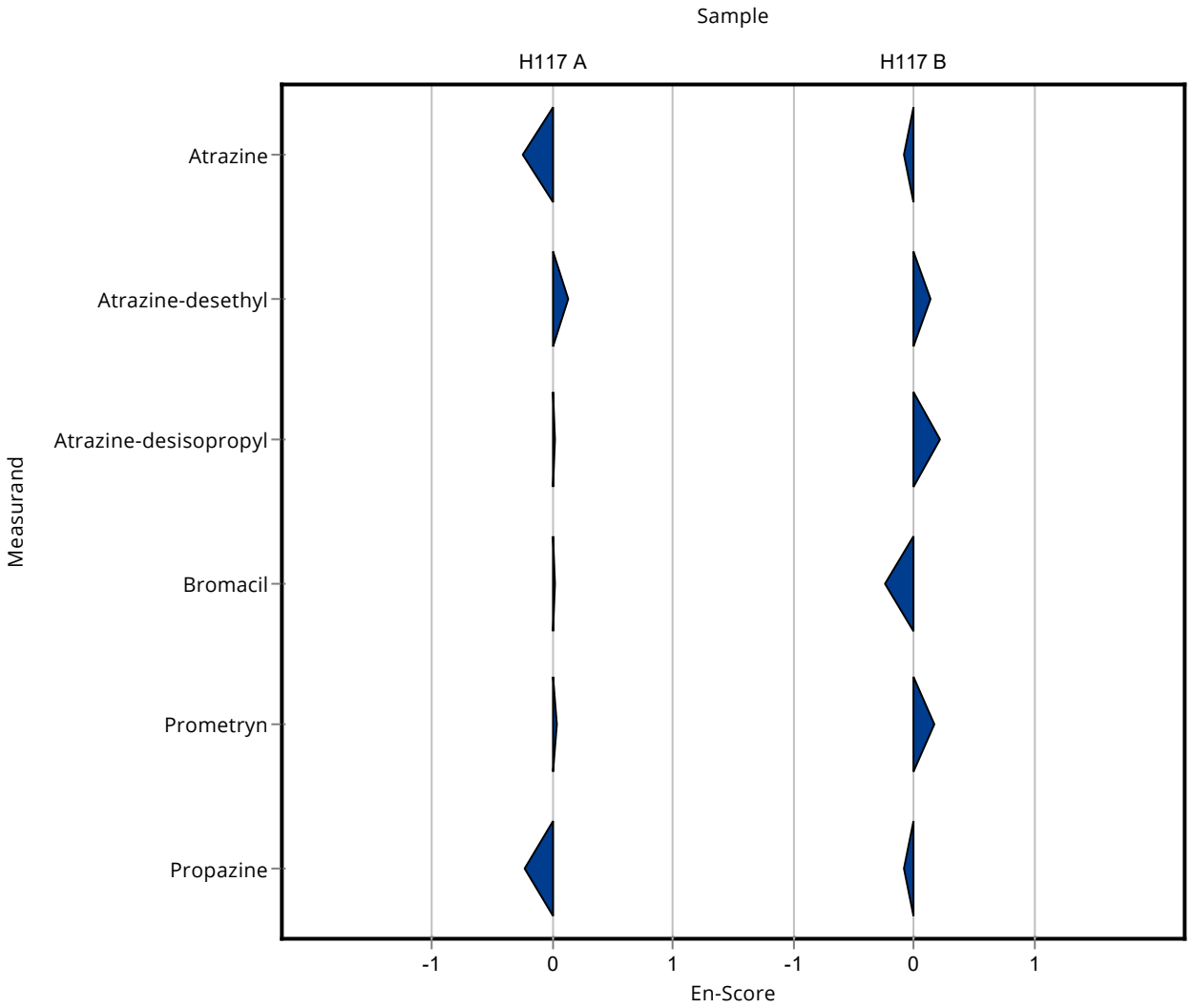
Sample: H117B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Acetamiprid	µg/l	- ± -	- ± -	-	-	-
Aldrin	µg/l	0.251 ± 0.0451	- ± -	0.0754	-	-
Atrazine	µg/l	1 ± 0.0233	0.981 ± 0.12	0.11	97.9	-0.09
Atrazine-desethyl	µg/l	1.64 ± 0.102	1.75 ± 0.37	0.197	107	0.14
Atrazine-desisopropyl	µg/l	1.31 ± 0.0528	1.4 ± 0.21	0.183	107	0.22
Bromacil	µg/l	1.19 ± 0.126	1.07 ± 0.24	0.166	90.1	-0.24
Clothianidin	µg/l	2.03 ± 0.138	- ± -	0.223	-	-
Cyanazine	µg/l	- ± -	2.03 ± 0.41	-	-	-
Dieldrin	µg/l	- ± -	- ± -	-	-	-
Dinotefurane	µg/l	- ± -	- ± -	-	-	-
Endrin	µg/l	- ± -	- ± -	-	-	-
Heptachlor	µg/l	- ± -	- ± -	-	-	-
Imidacloprid	µg/l	1.06 ± 0.068	- ± -	0.159	-	-
Lindane (Gamma-HCH)	µg/l	- ± -	- ± -	-	-	-
Nitenpyram	µg/l	- ± -	- ± -	-	-	-
Prometryn	µg/l	1.56 ± 0.108	1.67 ± 0.33	0.202	107	0.17
Propazine	µg/l	0.833 ± 0.047	0.807 ± 0.16	0.108	96.9	-0.08
Sum Chlordane	µg/l	- ± -	- ± -	-	-	-
Sum DDD	µg/l	- ± -	- ± -	-	-	-
Sum DDE	µg/l	- ± -	- ± -	-	-	-
Sum DDT	µg/l	- ± -	- ± -	-	-	-

Summary of results Pesticides H117 - En-Score

Labcode: LC0008

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Sum Endosulfan	µg/l	- ± -	- ± -	-	-	-
Thiacloprid	µg/l	1.13 ± 0.106	- ± -	0.158	-	-
Thiamethoxam	µg/l	1.4 ± 0.0245	- ± -	0.239	-	-



Summary of results Pesticides H117

Labcode: LC0009

Sample: H117A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Acetamiprid	µg/l	- ± -	- ± -	-	-	-
Aldrin	µg/l	0.084 ± 0.0243	0.091 ± 0.018	0.0252	108	0.28
Atrazine	µg/l	0.242 ± 0.0115	0.023 ± 0.005	0.0266	9.52	-8.23
Atrazine-desethyl	µg/l	0.563 ± 0.0319	- ± -	0.0675	-	-
Atrazine-desisopropyl	µg/l	0.279 ± 0.00831	- ± -	0.039	-	-
Bromacil	µg/l	0.419 ± 0.0105	- ± -	0.0586	-	-
Clothianidin	µg/l	0.195 ± 0.00864	- ± -	0.0215	-	-
Cyanazine	µg/l	- ± -	- ± -	-	-	-
Dieldrin	µg/l	- ± -	0.265 ± 0.053	-	-	-
Dinotefurane	µg/l	- ± -	- ± -	-	-	-
Endrin	µg/l	- ± -	0.557 ± 0.111	-	-	-
Heptachlor	µg/l	- ± -	0.157 ± 0.031	-	-	-
Imidacloprid	µg/l	0.212 ± 0.00461	- ± -	0.0319	-	-
Lindane (Gamma-HCH)	µg/l	- ± -	0.151 ± 0.03	-	-	-
Nitenpyram	µg/l	- ± -	- ± -	-	-	-
Prometryn	µg/l	0.419 ± 0.0219	0.163 ± 0.033	0.0545	38.9	-4.70
Propazine	µg/l	0.218 ± 0.00746	0.054 ± 0.011	0.0284	24.8	-5.79
Sum Chlordane	µg/l	- ± -	- ± -	-	-	-
Sum DDD	µg/l	- ± -	0.25 ± 0.05	-	-	-
Sum DDE	µg/l	- ± -	0.275 ± 0.055	-	-	-
Sum DDT	µg/l	- ± -	0.166 ± 0.033	-	-	-
Sum Endosulfan	µg/l	- ± -	0.322 ± 0.064	-	-	-
Thiacloprid	µg/l	0.36 ± 0.0247	- ± -	0.0505	-	-
Thiamethoxam	µg/l	0.249 ± 0.0129	- ± -	0.0424	-	-

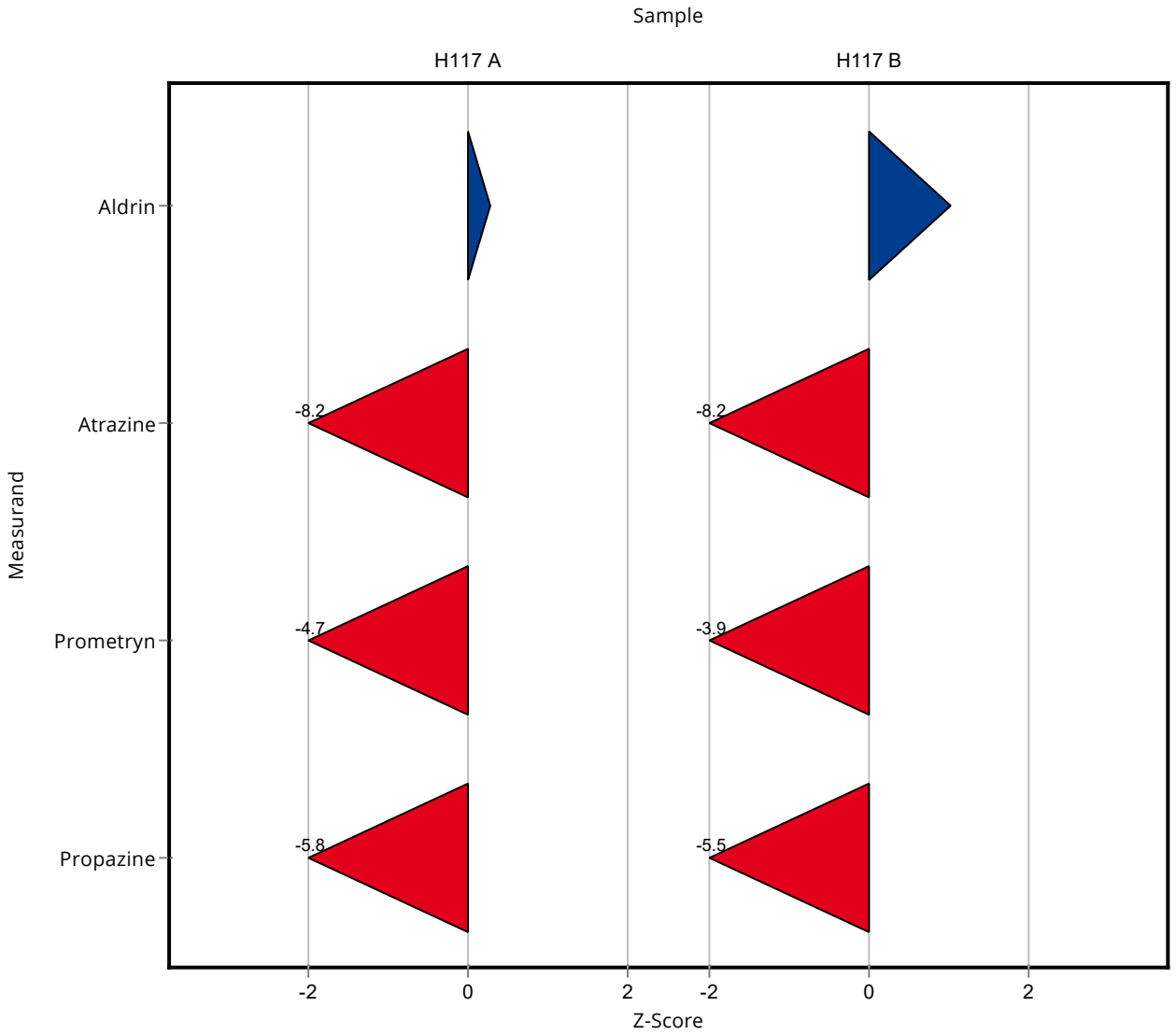
Sample: H117B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Acetamiprid	µg/l	- ± -	- ± -	-	-	-
Aldrin	µg/l	0.251 ± 0.0451	0.329 ± 0.066	0.0754	131	1.03
Atrazine	µg/l	1 ± 0.0233	0.096 ± 0.019	0.11	9.58	-8.22

Summary of results Pesticides H117

Labcode: LC0009

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Atrazine-desethyl	µg/l	1.64 ± 0.102	- ± -	0.197	-	-
Atrazine-desisopropyl	µg/l	1.31 ± 0.0528	- ± -	0.183	-	-
Bromacil	µg/l	1.19 ± 0.126	- ± -	0.166	-	-
Clothianidin	µg/l	2.03 ± 0.138	- ± -	0.223	-	-
Cyanazine	µg/l	- ± -	- ± -	-	-	-
Dieldrin	µg/l	- ± -	0.067 ± 0.013	-	-	-
Dinotefurane	µg/l	- ± -	- ± -	-	-	-
Endrin	µg/l	- ± -	0.266 ± 0.053	-	-	-
Heptachlor	µg/l	- ± -	0.726 ± 0.145	-	-	-
Imidacloprid	µg/l	1.06 ± 0.068	- ± -	0.159	-	-
Lindane (Gamma-HCH)	µg/l	- ± -	0.452 ± 0.09	-	-	-
Nitenpyram	µg/l	- ± -	- ± -	-	-	-
Prometryn	µg/l	1.56 ± 0.108	0.767 ± 0.153	0.202	49.3	-3.90
Propazine	µg/l	0.833 ± 0.047	0.241 ± 0.048	0.108	28.9	-5.47
Sum Chlordane	µg/l	- ± -	- ± -	-	-	-
Sum DDD	µg/l	- ± -	0.501 ± 0.1	-	-	-
Sum DDE	µg/l	- ± -	0.297 ± 0.059	-	-	-
Sum DDT	µg/l	- ± -	0.263 ± 0.053	-	-	-
Sum Endosulfan	µg/l	- ± -	0.516 ± 0.103	-	-	-
Thiacloprid	µg/l	1.13 ± 0.106	- ± -	0.158	-	-
Thiamethoxam	µg/l	1.4 ± 0.0245	- ± -	0.239	-	-


Sample
H117 A
H117 B
Measurand
Aldrin
Atrazine
Prometryn
Propazine
-8.2
-8.2
-4.7
-3.9
-5.8
-5.5
-2
0
2
-2
0
2
Z-Score

Sample: H117A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Acetamiprid	µg/l	- ± -	- ± -	-	-	-
Aldrin	µg/l	0.084 ± 0.0243	0.091 ± 0.018	0.0252	108	0.16
Atrazine	µg/l	0.242 ± 0.0115	0.023 ± 0.005	0.0266	9.52	-14.36
Atrazine-desethyl	µg/l	0.563 ± 0.0319	- ± -	0.0675	-	-
Atrazine-desisopropyl	µg/l	0.279 ± 0.00831	- ± -	0.039	-	-
Bromacil	µg/l	0.419 ± 0.0105	- ± -	0.0586	-	-
Clothianidin	µg/l	0.195 ± 0.00864	- ± -	0.0215	-	-
Cyanazine	µg/l	- ± -	- ± -	-	-	-
Dieldrin	µg/l	- ± -	0.265 ± 0.053	-	-	-
Dinotefurane	µg/l	- ± -	- ± -	-	-	-
Endrin	µg/l	- ± -	0.557 ± 0.111	-	-	-
Heptachlor	µg/l	- ± -	0.157 ± 0.031	-	-	-
Imidacloprid	µg/l	0.212 ± 0.00461	- ± -	0.0319	-	-
Lindane (Gamma-HCH)	µg/l	- ± -	0.151 ± 0.03	-	-	-
Nitenpyram	µg/l	- ± -	- ± -	-	-	-
Prometryn	µg/l	0.419 ± 0.0219	0.163 ± 0.033	0.0545	38.9	-3.68
Propazine	µg/l	0.218 ± 0.00746	0.054 ± 0.011	0.0284	24.8	-7.07
Sum Chlordane	µg/l	- ± -	- ± -	-	-	-
Sum DDD	µg/l	- ± -	0.25 ± 0.05	-	-	-
Sum DDE	µg/l	- ± -	0.275 ± 0.055	-	-	-
Sum DDT	µg/l	- ± -	0.166 ± 0.033	-	-	-
Sum Endosulfan	µg/l	- ± -	0.322 ± 0.064	-	-	-
Thiacloprid	µg/l	0.36 ± 0.0247	- ± -	0.0505	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Thiamethoxam	µg/l	0.249 ± 0.0129	- ± -	0.0424	-	-

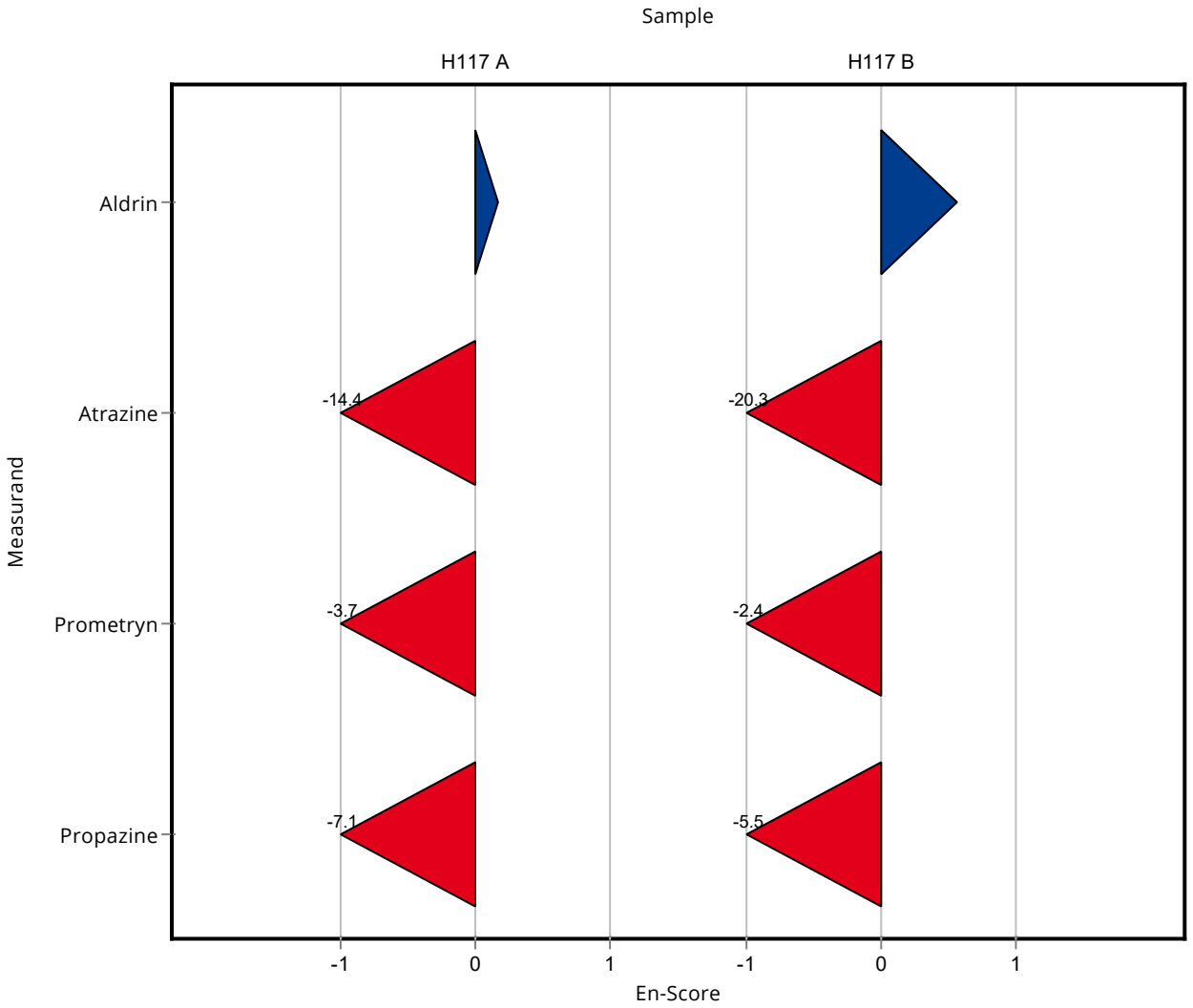
Sample: H117B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Acetamiprid	µg/l	- ± -	- ± -	-	-	-
Aldrin	µg/l	0.251 ± 0.0451	0.329 ± 0.066	0.0754	131	0.56
Atrazine	µg/l	1 ± 0.0233	0.096 ± 0.019	0.11	9.58	-20.32
Atrazine-desethyl	µg/l	1.64 ± 0.102	- ± -	0.197	-	-
Atrazine-desisopropyl	µg/l	1.31 ± 0.0528	- ± -	0.183	-	-
Bromacil	µg/l	1.19 ± 0.126	- ± -	0.166	-	-
Clothianidin	µg/l	2.03 ± 0.138	- ± -	0.223	-	-
Cyanazine	µg/l	- ± -	- ± -	-	-	-
Dieldrin	µg/l	- ± -	0.067 ± 0.013	-	-	-
Dinotefurane	µg/l	- ± -	- ± -	-	-	-
Endrin	µg/l	- ± -	0.266 ± 0.053	-	-	-
Heptachlor	µg/l	- ± -	0.726 ± 0.145	-	-	-
Imidacloprid	µg/l	1.06 ± 0.068	- ± -	0.159	-	-
Lindane (Gamma-HCH)	µg/l	- ± -	0.452 ± 0.09	-	-	-
Nitenpyram	µg/l	- ± -	- ± -	-	-	-
Prometryn	µg/l	1.56 ± 0.108	0.767 ± 0.153	0.202	49.3	-2.43
Propazine	µg/l	0.833 ± 0.047	0.241 ± 0.048	0.108	28.9	-5.54
Sum Chlordane	µg/l	- ± -	- ± -	-	-	-
Sum DDD	µg/l	- ± -	0.501 ± 0.1	-	-	-
Sum DDE	µg/l	- ± -	0.297 ± 0.059	-	-	-
Sum DDT	µg/l	- ± -	0.263 ± 0.053	-	-	-

Summary of results Pesticides H117 - En-Score

Labcode: LC0009

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Sum Endosulfan	µg/l	- ± -	0.516 ± 0.103	-	-	-
Thiacloprid	µg/l	1.13 ± 0.106	- ± -	0.158	-	-
Thiamethoxam	µg/l	1.4 ± 0.0245	- ± -	0.239	-	-



Summary of results Pesticides H117

Labcode: LC0010

Sample: H117A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Acetamiprid	µg/l	- ± -	0.179 ± 0.09	-	-	-
Aldrin	µg/l	0.084 ± 0.0243	- ± -	0.0252	-	-
Atrazine	µg/l	0.242 ± 0.0115	0.0598 ± 0.029	0.0266	24.7	-6.84
Atrazine-desethyl	µg/l	0.563 ± 0.0319	0.31 ± 0.105	0.0675	55.1	-3.74
Atrazine-desisopropyl	µg/l	0.279 ± 0.00831	0.162 ± 0.081	0.039	58.1	-2.99
Bromacil	µg/l	0.419 ± 0.0105	- ± -	0.0586	-	-
Clothianidin	µg/l	0.195 ± 0.00864	- ± -	0.0215	-	-
Cyanazine	µg/l	- ± -	- ± -	-	-	-
Dieldrin	µg/l	- ± -	0.184 ± 0.092	-	-	-
Dinotefurane	µg/l	- ± -	- ± -	-	-	-
Endrin	µg/l	- ± -	- ± -	-	-	-
Heptachlor	µg/l	- ± -	0.0228 ± 0.012	-	-	-
Imidacloprid	µg/l	0.212 ± 0.00461	0.108 ± 0.054	0.0319	50.8	-3.28
Lindane (Gamma-HCH)	µg/l	- ± -	0.111 ± 0.055	-	-	-
Nitenpyram	µg/l	- ± -	- ± -	-	-	-
Prometryn	µg/l	0.419 ± 0.0219	- ± -	0.0545	-	-
Propazine	µg/l	0.218 ± 0.00746	- ± -	0.0284	-	-
Sum Chlordane	µg/l	- ± -	- ± -	-	-	-
Sum DDD	µg/l	- ± -	0.17 ± 0.085	-	-	-
Sum DDE	µg/l	- ± -	0.0752 ± 0.037	-	-	-
Sum DDT	µg/l	- ± -	0.146 ± 0.073	-	-	-
Sum Endosulfan	µg/l	- ± -	0.291 ± 0.146	-	-	-
Thiacloprid	µg/l	0.36 ± 0.0247	0.196 ± 0.098	0.0505	54.4	-3.26
Thiamethoxam	µg/l	0.249 ± 0.0129	- ± -	0.0424	-	-

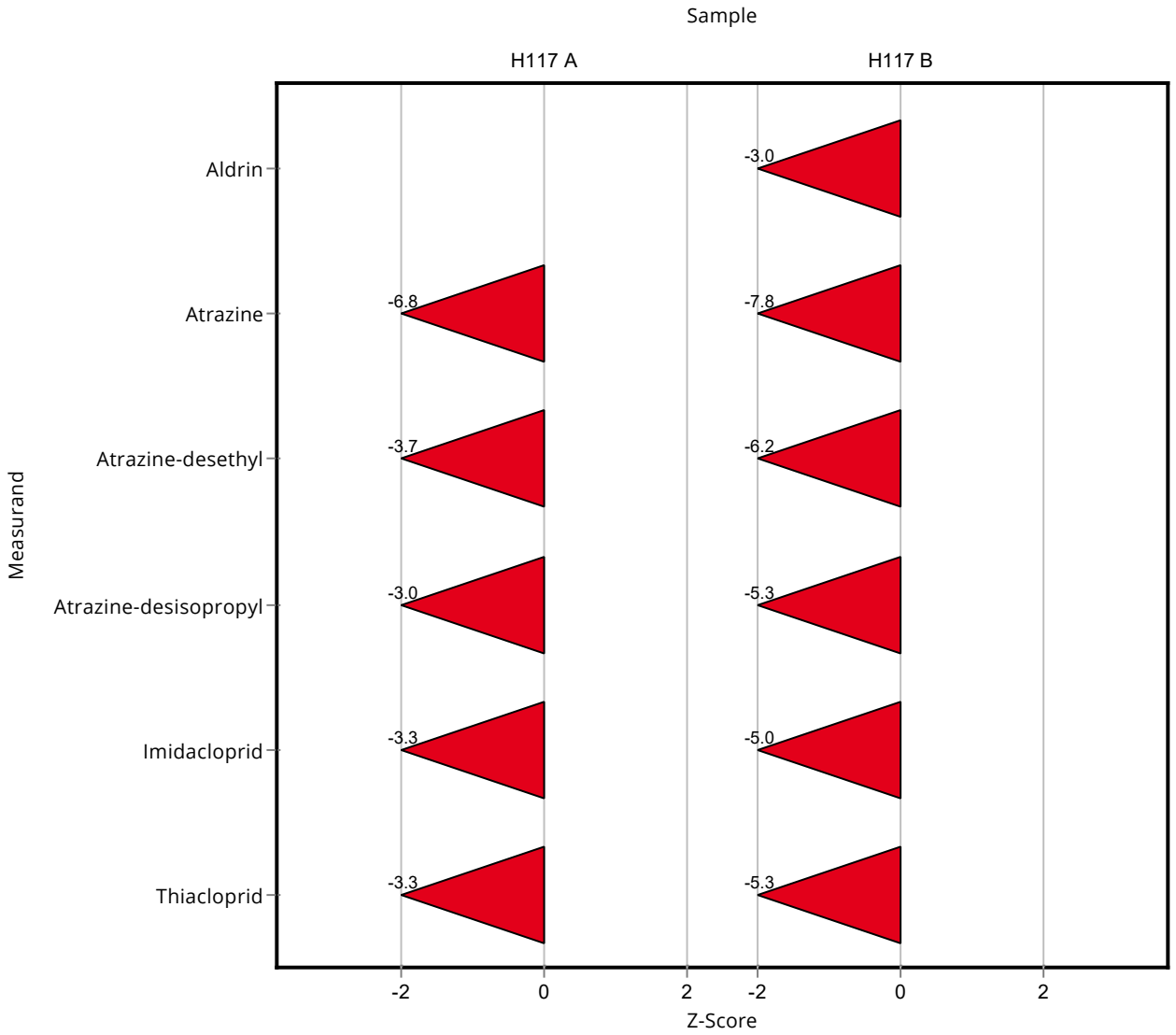
Sample: H117B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Acetamiprid	µg/l	- ± -	0.311 ± 0.151	-	-	-
Aldrin	µg/l	0.251 ± 0.0451	0.0251 ± 0.013	0.0754	9.99	-3.00
Atrazine	µg/l	1 ± 0.0233	0.139 ± 0.07	0.11	13.9	-7.83

Summary of results Pesticides H117

Labcode: LC0010

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Atrazine-desethyl	µg/l	1.64 ± 0.102	0.42 ± 0.21	0.197	25.6	-6.20
Atrazine-desisopropyl	µg/l	1.31 ± 0.0528	0.337 ± 0.169	0.183	25.8	-5.30
Bromacil	µg/l	1.19 ± 0.126	- ± -	0.166	-	-
Clothianidin	µg/l	2.03 ± 0.138	- ± -	0.223	-	-
Cyanazine	µg/l	- ± -	- ± -	-	-	-
Dieldrin	µg/l	- ± -	0.393 ± 0.197	-	-	-
Dinotefurane	µg/l	- ± -	- ± -	-	-	-
Endrin	µg/l	- ± -	- ± -	-	-	-
Heptachlor	µg/l	- ± -	0.112 ± 0.056	-	-	-
Imidacloprid	µg/l	1.06 ± 0.068	0.269 ± 0.135	0.159	25.4	-4.97
Lindane (Gamma-HCH)	µg/l	- ± -	0.19 ± 0.095	-	-	-
Nitenpyram	µg/l	- ± -	- ± -	-	-	-
Prometryn	µg/l	1.56 ± 0.108	- ± -	0.202	-	-
Propazine	µg/l	0.833 ± 0.047	- ± -	0.108	-	-
Sum Chlordane	µg/l	- ± -	- ± -	-	-	-
Sum DDD	µg/l	- ± -	0.442 ± 0.221	-	-	-
Sum DDE	µg/l	- ± -	0.25 ± 0.125	-	-	-
Sum DDT	µg/l	- ± -	0.359 ± 0.18	-	-	-
Sum Endosulfan	µg/l	- ± -	0.477 ± 0.239	-	-	-
Thiacloprid	µg/l	1.13 ± 0.106	0.294 ± 0.147	0.158	26.1	-5.28
Thiamethoxam	µg/l	1.4 ± 0.0245	- ± -	0.239	-	-


Sample
H117 A
H117 B
Measurand
Aldrin
Atrazine
Atrazine-desethyl
Atrazine-desisopropyl
Imidacloprid
Thiacloprid
-3.0
-6.8
-7.8
-3.7
-6.2
-3.0
-5.3
-3.3
-5.0
-3.3
-5.3
-2
0
2
-2
0
2
Z-Score

Sample: H117A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Acetamiprid	µg/l	- ± -	0.179 ± 0.09	-	-	-
Aldrin	µg/l	0.084 ± 0.0243	- ± -	0.0252	-	-
Atrazine	µg/l	0.242 ± 0.0115	0.0598 ± 0.029	0.0266	24.7	-3.08
Atrazine-desethyl	µg/l	0.563 ± 0.0319	0.31 ± 0.105	0.0675	55.1	-1.19
Atrazine-desisopropyl	µg/l	0.279 ± 0.00831	0.162 ± 0.081	0.039	58.1	-0.72
Bromacil	µg/l	0.419 ± 0.0105	- ± -	0.0586	-	-
Clothianidin	µg/l	0.195 ± 0.00864	- ± -	0.0215	-	-
Cyanazine	µg/l	- ± -	- ± -	-	-	-
Dieldrin	µg/l	- ± -	0.184 ± 0.092	-	-	-
Dinotefurane	µg/l	- ± -	- ± -	-	-	-
Endrin	µg/l	- ± -	- ± -	-	-	-
Heptachlor	µg/l	- ± -	0.0228 ± 0.012	-	-	-
Imidacloprid	µg/l	0.212 ± 0.00461	0.108 ± 0.054	0.0319	50.8	-0.97
Lindane (Gamma-HCH)	µg/l	- ± -	0.111 ± 0.055	-	-	-
Nitenpyram	µg/l	- ± -	- ± -	-	-	-
Prometryn	µg/l	0.419 ± 0.0219	- ± -	0.0545	-	-
Propazine	µg/l	0.218 ± 0.00746	- ± -	0.0284	-	-
Sum Chlordane	µg/l	- ± -	- ± -	-	-	-
Sum DDD	µg/l	- ± -	0.17 ± 0.085	-	-	-
Sum DDE	µg/l	- ± -	0.0752 ± 0.037	-	-	-
Sum DDT	µg/l	- ± -	0.146 ± 0.073	-	-	-
Sum Endosulfan	µg/l	- ± -	0.291 ± 0.146	-	-	-
Thiacloprid	µg/l	0.36 ± 0.0247	0.196 ± 0.098	0.0505	54.4	-0.83

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Thiamethoxam	µg/l	0.249 ± 0.0129	- ± -	0.0424	-	-

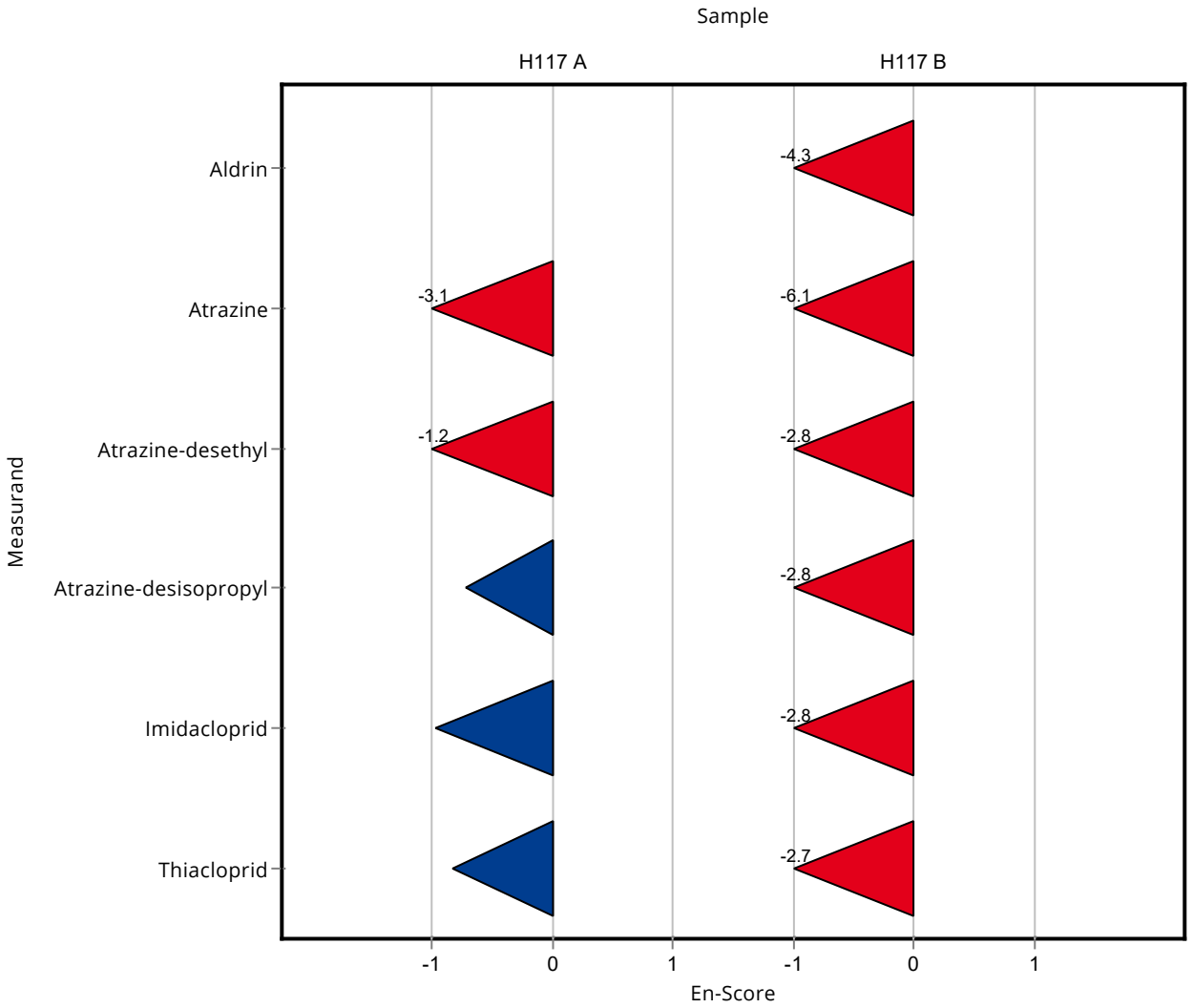
Sample: H117B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Acetamiprid	µg/l	- ± -	0.311 ± 0.151	-	-	-
Aldrin	µg/l	0.251 ± 0.0451	0.0251 ± 0.013	0.0754	9.99	-4.34
Atrazine	µg/l	1 ± 0.0233	0.139 ± 0.07	0.11	13.9	-6.08
Atrazine-desethyl	µg/l	1.64 ± 0.102	0.42 ± 0.21	0.197	25.6	-2.83
Atrazine-desisopropyl	µg/l	1.31 ± 0.0528	0.337 ± 0.169	0.183	25.8	-2.84
Bromacil	µg/l	1.19 ± 0.126	- ± -	0.166	-	-
Clothianidin	µg/l	2.03 ± 0.138	- ± -	0.223	-	-
Cyanazine	µg/l	- ± -	- ± -	-	-	-
Dieldrin	µg/l	- ± -	0.393 ± 0.197	-	-	-
Dinotefurane	µg/l	- ± -	- ± -	-	-	-
Endrin	µg/l	- ± -	- ± -	-	-	-
Heptachlor	µg/l	- ± -	0.112 ± 0.056	-	-	-
Imidacloprid	µg/l	1.06 ± 0.068	0.269 ± 0.135	0.159	25.4	-2.84
Lindane (Gamma-HCH)	µg/l	- ± -	0.19 ± 0.095	-	-	-
Nitenpyram	µg/l	- ± -	- ± -	-	-	-
Prometryn	µg/l	1.56 ± 0.108	- ± -	0.202	-	-
Propazine	µg/l	0.833 ± 0.047	- ± -	0.108	-	-
Sum Chlordane	µg/l	- ± -	- ± -	-	-	-
Sum DDD	µg/l	- ± -	0.442 ± 0.221	-	-	-
Sum DDE	µg/l	- ± -	0.25 ± 0.125	-	-	-
Sum DDT	µg/l	- ± -	0.359 ± 0.18	-	-	-

Summary of results Pesticides H117 - En-Score

Labcode: LC0010

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Sum Endosulfan	µg/l	- ± -	0.477 ± 0.239	-	-	-
Thiacloprid	µg/l	1.13 ± 0.106	0.294 ± 0.147	0.158	26.1	-2.67
Thiamethoxam	µg/l	1.4 ± 0.0245	- ± -	0.239	-	-



Summary of results Pesticides H117

Labcode: LC0011

Sample: H117A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Acetamiprid	µg/l	- ± -	- ± -	-	-	-
Aldrin	µg/l	0.084 ± 0.0243	0.0988 ± 0.006	0.0252	118	0.59
Atrazine	µg/l	0.242 ± 0.0115	0.244 ± 0.003	0.0266	101	0.09
Atrazine-desethyl	µg/l	0.563 ± 0.0319	0.454 ± 0.011	0.0675	80.7	-1.61
Atrazine-desisopropyl	µg/l	0.279 ± 0.00831	0.291 ± 0.005	0.039	104	0.31
Bromacil	µg/l	0.419 ± 0.0105	0.462 ± 0.005	0.0586	110	0.74
Clothianidin	µg/l	0.195 ± 0.00864	0.174 ± 0.004	0.0215	89.1	-0.99
Cyanazine	µg/l	- ± -	0.244 ± 0.004	-	-	-
Dieldrin	µg/l	- ± -	0.216 ± 0.069	-	-	-
Dinotefurane	µg/l	- ± -	- ± -	-	-	-
Endrin	µg/l	- ± -	- ± -	-	-	-
Heptachlor	µg/l	- ± -	0.325 ± 0.008	-	-	-
Imidacloprid	µg/l	0.212 ± 0.00461	0.173 ± 0.007	0.0319	81.4	-1.24
Lindane (Gamma-HCH)	µg/l	- ± -	- ± -	-	-	-
Nitenpyram	µg/l	- ± -	- ± -	-	-	-
Prometryn	µg/l	0.419 ± 0.0219	0.368 ± 0.015	0.0545	87.8	-0.94
Propazine	µg/l	0.218 ± 0.00746	0.221 ± 0.008	0.0284	101	0.10
Sum Chlordane	µg/l	- ± -	- ± -	-	-	-
Sum DDD	µg/l	- ± -	- ± -	-	-	-
Sum DDE	µg/l	- ± -	- ± -	-	-	-
Sum DDT	µg/l	- ± -	- ± -	-	-	-
Sum Endosulfan	µg/l	- ± -	- ± -	-	-	-
Thiacloprid	µg/l	0.36 ± 0.0247	0.286 ± 0.003	0.0505	79.3	-1.48
Thiamethoxam	µg/l	0.249 ± 0.0129	0.207 ± 0.005	0.0424	83.1	-1.00

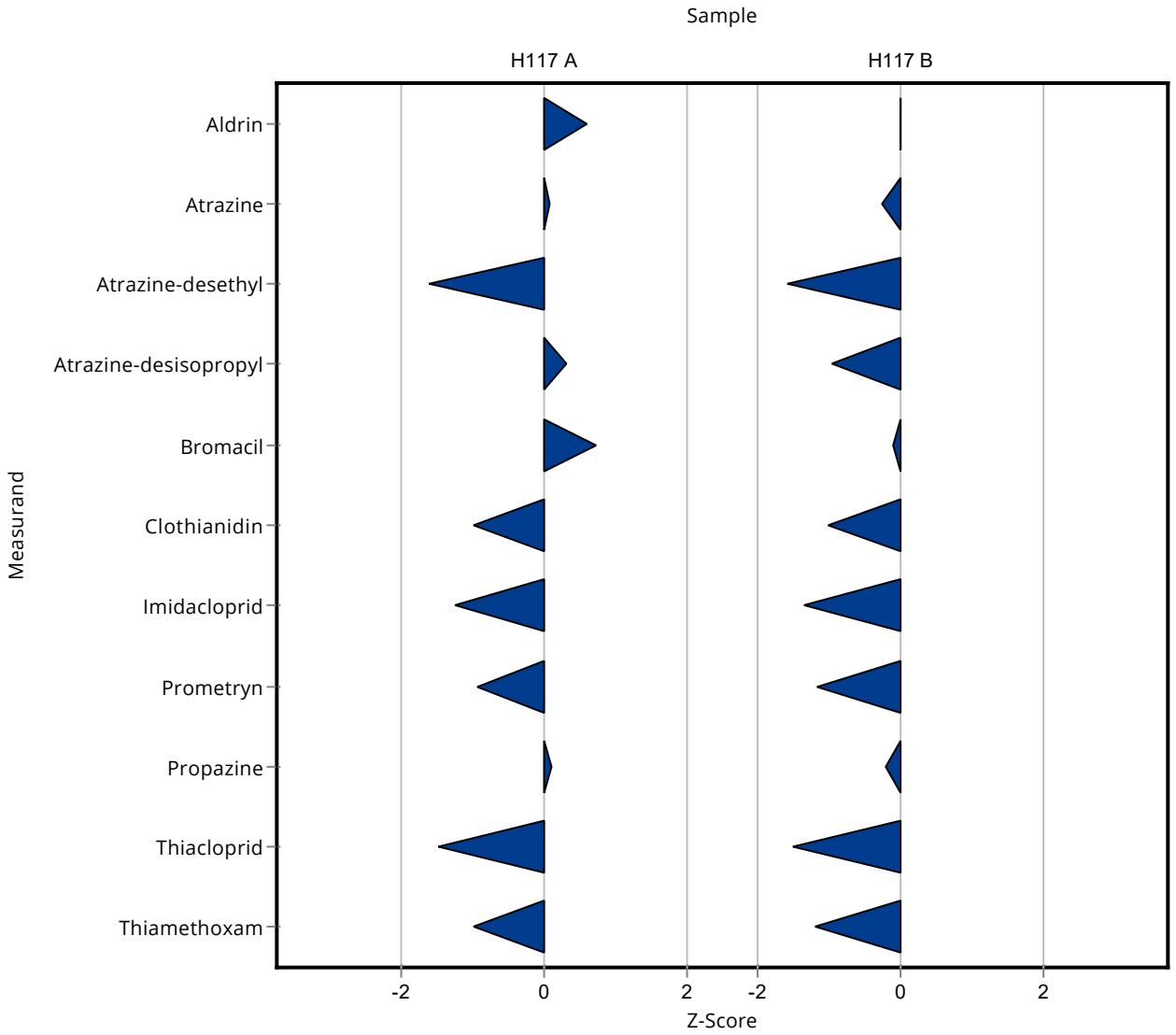
Sample: H117B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Acetamiprid	µg/l	- ± -	- ± -	-	-	-
Aldrin	µg/l	0.251 ± 0.0451	0.252 ± 0.021	0.0754	100	0.01
Atrazine	µg/l	1 ± 0.0233	0.973 ± 0.02	0.11	97.1	-0.26

Summary of results Pesticides H117

Labcode: LC0011

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Atrazine-desethyl	µg/l	1.64 ± 0.102	1.33 ± 0.035	0.197	81	-1.58
Atrazine-desisopropyl	µg/l	1.31 ± 0.0528	1.13 ± 0.115	0.183	86.4	-0.97
Bromacil	µg/l	1.19 ± 0.126	1.17 ± 0.025	0.166	98.5	-0.11
Clothianidin	µg/l	2.03 ± 0.138	1.8 ± 0.045	0.223	88.7	-1.03
Cyanazine	µg/l	- ± -	1.99 ± 0.1	-	-	-
Dieldrin	µg/l	- ± -	0.404 ± 0.023	-	-	-
Dinotefurane	µg/l	- ± -	- ± -	-	-	-
Endrin	µg/l	- ± -	- ± -	-	-	-
Heptachlor	µg/l	- ± -	1.1 ± 0.035	-	-	-
Imidacloprid	µg/l	1.06 ± 0.068	0.844 ± 0.016	0.159	79.6	-1.36
Lindane (Gamma-HCH)	µg/l	- ± -	- ± -	-	-	-
Nitenpyram	µg/l	- ± -	- ± -	-	-	-
Prometryn	µg/l	1.56 ± 0.108	1.32 ± 0.03	0.202	84.8	-1.17
Propazine	µg/l	0.833 ± 0.047	0.81 ± 0.021	0.108	97.2	-0.21
Sum Chlordane	µg/l	- ± -	- ± -	-	-	-
Sum DDD	µg/l	- ± -	- ± -	-	-	-
Sum DDE	µg/l	- ± -	- ± -	-	-	-
Sum DDT	µg/l	- ± -	- ± -	-	-	-
Sum Endosulfan	µg/l	- ± -	- ± -	-	-	-
Thiacloprid	µg/l	1.13 ± 0.106	0.889 ± 0.023	0.158	78.8	-1.51
Thiamethoxam	µg/l	1.4 ± 0.0245	1.12 ± 0.006	0.239	79.7	-1.19


Sample
H117 A
H117 B
Aldrin
Atrazine
Atrazine-desethyl
Atrazine-desisopropyl
Bromacil
Clothianidin
Imidacloprid
Prometryn
Propazine
Thiacloprid
Thiamethoxam
Measurand
-2
0
2
-2
0
2
Z-Score

Sample: H117A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Acetamiprid	µg/l	- ± -	- ± -	-	-	-
Aldrin	µg/l	0.084 ± 0.0243	0.0988 ± 0.006	0.0252	118	0.55
Atrazine	µg/l	0.242 ± 0.0115	0.244 ± 0.003	0.0266	101	0.18
Atrazine-desethyl	µg/l	0.563 ± 0.0319	0.454 ± 0.011	0.0675	80.7	-2.81
Atrazine-desisopropyl	µg/l	0.279 ± 0.00831	0.291 ± 0.005	0.039	104	0.94
Bromacil	µg/l	0.419 ± 0.0105	0.462 ± 0.005	0.0586	110	2.99
Clothianidin	µg/l	0.195 ± 0.00864	0.174 ± 0.004	0.0215	89.1	-1.81
Cyanazine	µg/l	- ± -	0.244 ± 0.004	-	-	-
Dieldrin	µg/l	- ± -	0.216 ± 0.069	-	-	-
Dinotefurane	µg/l	- ± -	- ± -	-	-	-
Endrin	µg/l	- ± -	- ± -	-	-	-
Heptachlor	µg/l	- ± -	0.325 ± 0.008	-	-	-
Imidacloprid	µg/l	0.212 ± 0.00461	0.173 ± 0.007	0.0319	81.4	-2.68
Lindane (Gamma-HCH)	µg/l	- ± -	- ± -	-	-	-
Nitenpyram	µg/l	- ± -	- ± -	-	-	-
Prometryn	µg/l	0.419 ± 0.0219	0.368 ± 0.015	0.0545	87.8	-1.37
Propazine	µg/l	0.218 ± 0.00746	0.221 ± 0.008	0.0284	101	0.16
Sum Chlordane	µg/l	- ± -	- ± -	-	-	-
Sum DDD	µg/l	- ± -	- ± -	-	-	-
Sum DDE	µg/l	- ± -	- ± -	-	-	-
Sum DDT	µg/l	- ± -	- ± -	-	-	-
Sum Endosulfan	µg/l	- ± -	- ± -	-	-	-
Thiacloprid	µg/l	0.36 ± 0.0247	0.286 ± 0.003	0.0505	79.3	-2.93

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Thiamethoxam	µg/l	0.249 ± 0.0129	0.207 ± 0.005	0.0424	83.1	-2.59

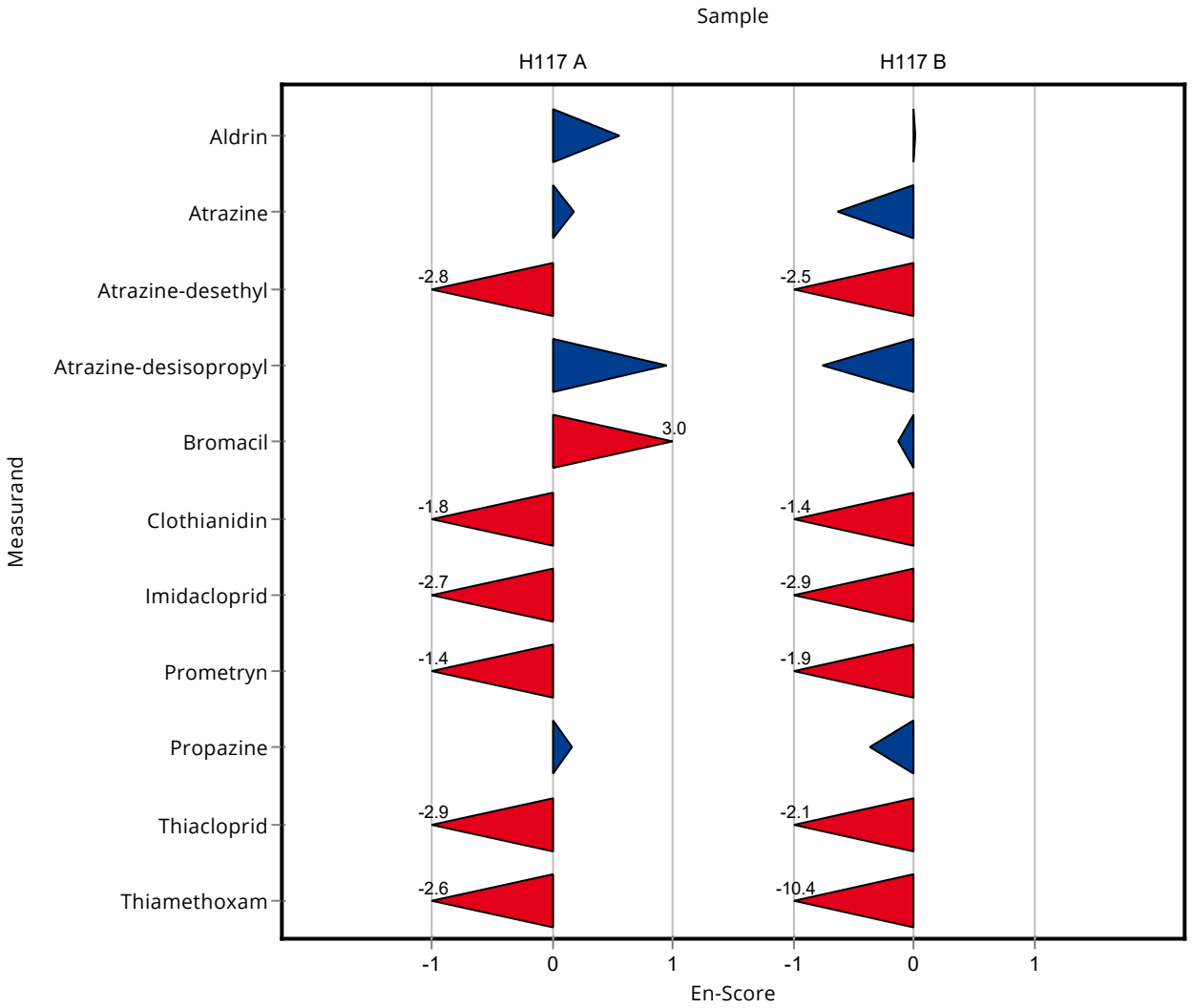
Sample: H117B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Acetamiprid	µg/l	- ± -	- ± -	-	-	-
Aldrin	µg/l	0.251 ± 0.0451	0.252 ± 0.021	0.0754	100	0.01
Atrazine	µg/l	1 ± 0.0233	0.973 ± 0.02	0.11	97.1	-0.63
Atrazine-desethyl	µg/l	1.64 ± 0.102	1.33 ± 0.035	0.197	81	-2.53
Atrazine-desisopropyl	µg/l	1.31 ± 0.0528	1.13 ± 0.115	0.183	86.4	-0.76
Bromacil	µg/l	1.19 ± 0.126	1.17 ± 0.025	0.166	98.5	-0.13
Clothianidin	µg/l	2.03 ± 0.138	1.8 ± 0.045	0.223	88.7	-1.39
Cyanazine	µg/l	- ± -	1.99 ± 0.1	-	-	-
Dieldrin	µg/l	- ± -	0.404 ± 0.023	-	-	-
Dinotefurane	µg/l	- ± -	- ± -	-	-	-
Endrin	µg/l	- ± -	- ± -	-	-	-
Heptachlor	µg/l	- ± -	1.1 ± 0.035	-	-	-
Imidacloprid	µg/l	1.06 ± 0.068	0.844 ± 0.016	0.159	79.6	-2.87
Lindane (Gamma-HCH)	µg/l	- ± -	- ± -	-	-	-
Nitenpyram	µg/l	- ± -	- ± -	-	-	-
Prometryn	µg/l	1.56 ± 0.108	1.32 ± 0.03	0.202	84.8	-1.91
Propazine	µg/l	0.833 ± 0.047	0.81 ± 0.021	0.108	97.2	-0.37
Sum Chlordane	µg/l	- ± -	- ± -	-	-	-
Sum DDD	µg/l	- ± -	- ± -	-	-	-
Sum DDE	µg/l	- ± -	- ± -	-	-	-
Sum DDT	µg/l	- ± -	- ± -	-	-	-

Summary of results Pesticides H117 - En-Score

Labcode: LC0011

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Sum Endosulfan	µg/l	- ± -	- ± -	-	-	-
Thiacloprid	µg/l	1.13 ± 0.106	0.889 ± 0.023	0.158	78.8	-2.07
Thiamethoxam	µg/l	1.4 ± 0.0245	1.12 ± 0.006	0.239	79.7	-10.44



Summary of results Pesticides H117

Labcode: LC0012

Sample: H117A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Acetamiprid	µg/l	- ± -	- ± -	-	-	-
Aldrin	µg/l	0.084 ± 0.0243	- ± -	0.0252	-	-
Atrazine	µg/l	0.242 ± 0.0115	0.24 ± 0.018	0.0266	99.3	-0.06
Atrazine-desethyl	µg/l	0.563 ± 0.0319	0.54 ± 0.046	0.0675	96	-0.34
Atrazine-desisopropyl	µg/l	0.279 ± 0.00831	0.29 ± 0.026	0.039	104	0.29
Bromacil	µg/l	0.419 ± 0.0105	0.42 ± 0.037	0.0586	100	0.02
Clothianidin	µg/l	0.195 ± 0.00864	0.19 ± 0.019	0.0215	97.3	-0.25
Cyanazine	µg/l	- ± -	- ± -	-	-	-
Dieldrin	µg/l	- ± -	- ± -	-	-	-
Dinotefurane	µg/l	- ± -	- ± -	-	-	-
Endrin	µg/l	- ± -	- ± -	-	-	-
Heptachlor	µg/l	- ± -	- ± -	-	-	-
Imidacloprid	µg/l	0.212 ± 0.00461	0.21 ± 0.016	0.0319	98.9	-0.08
Lindane (Gamma-HCH)	µg/l	- ± -	- ± -	-	-	-
Nitenpyram	µg/l	- ± -	- ± -	-	-	-
Prometryn	µg/l	0.419 ± 0.0219	- ± -	0.0545	-	-
Propazine	µg/l	0.218 ± 0.00746	- ± -	0.0284	-	-
Sum Chlordane	µg/l	- ± -	- ± -	-	-	-
Sum DDD	µg/l	- ± -	- ± -	-	-	-
Sum DDE	µg/l	- ± -	- ± -	-	-	-
Sum DDT	µg/l	- ± -	- ± -	-	-	-
Sum Endosulfan	µg/l	- ± -	- ± -	-	-	-
Thiacloprid	µg/l	0.36 ± 0.0247	0.41 ± 0.037	0.0505	114	0.98
Thiamethoxam	µg/l	0.249 ± 0.0129	0.26 ± 0.019	0.0424	104	0.25

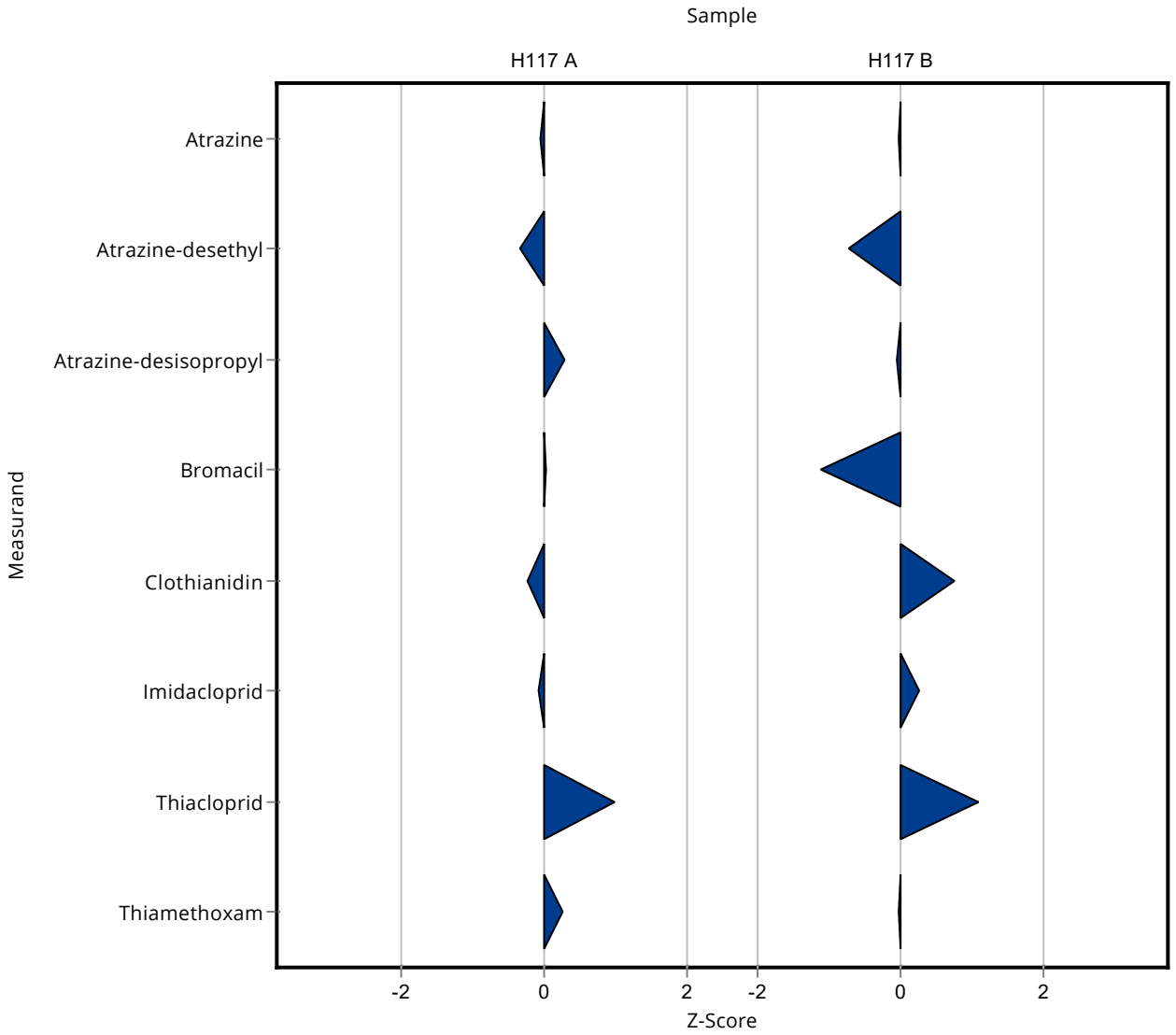
Sample: H117B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Acetamiprid	µg/l	- ± -	- ± -	-	-	-
Aldrin	µg/l	0.251 ± 0.0451	- ± -	0.0754	-	-
Atrazine	µg/l	1 ± 0.0233	1 ± 0.074	0.11	99.8	-0.02

Summary of results Pesticides H117

Labcode: LC0012

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Atrazine-desethyl	µg/l	1.64 ± 0.102	1.5 ± 0.128	0.197	91.4	-0.72
Atrazine-desisopropyl	µg/l	1.31 ± 0.0528	1.3 ± 0.116	0.183	99.4	-0.05
Bromacil	µg/l	1.19 ± 0.126	1 ± 0.087	0.166	84.2	-1.13
Clothianidin	µg/l	2.03 ± 0.138	2.2 ± 0.222	0.223	108	0.77
Cyanazine	µg/l	- ± -	- ± -	-	-	-
Dieldrin	µg/l	- ± -	- ± -	-	-	-
Dinotefurane	µg/l	- ± -	- ± -	-	-	-
Endrin	µg/l	- ± -	- ± -	-	-	-
Heptachlor	µg/l	- ± -	- ± -	-	-	-
Imidacloprid	µg/l	1.06 ± 0.068	1.1 ± 0.084	0.159	104	0.25
Lindane (Gamma-HCH)	µg/l	- ± -	- ± -	-	-	-
Nitenpyram	µg/l	- ± -	- ± -	-	-	-
Prometryn	µg/l	1.56 ± 0.108	- ± -	0.202	-	-
Propazine	µg/l	0.833 ± 0.047	- ± -	0.108	-	-
Sum Chlordane	µg/l	- ± -	- ± -	-	-	-
Sum DDD	µg/l	- ± -	- ± -	-	-	-
Sum DDE	µg/l	- ± -	- ± -	-	-	-
Sum DDT	µg/l	- ± -	- ± -	-	-	-
Sum Endosulfan	µg/l	- ± -	- ± -	-	-	-
Thiacloprid	µg/l	1.13 ± 0.106	1.3 ± 0.118	0.158	115	1.09
Thiamethoxam	µg/l	1.4 ± 0.0245	1.4 ± 0.101	0.239	99.7	-0.02


Sample
H117 A
H117 B
Atrazine
Atrazine-desethyl
Atrazine-desisopropyl
Bromacil
Clothianidin
Imidacloprid
Thiacloprid
Thiamethoxam
Measurand
-2
0
2
-2
0
2
Z-Score

Summary of results Pesticides H117 - En-Score

Labcode: LC0012

Sample: H117A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Acetamiprid	µg/l	- ± -	- ± -	-	-	-
Aldrin	µg/l	0.084 ± 0.0243	- ± -	0.0252	-	-
Atrazine	µg/l	0.242 ± 0.0115	0.24 ± 0.018	0.0266	99.3	-0.04
Atrazine-desethyl	µg/l	0.563 ± 0.0319	0.54 ± 0.046	0.0675	96	-0.23
Atrazine-desisopropyl	µg/l	0.279 ± 0.00831	0.29 ± 0.026	0.039	104	0.21
Bromacil	µg/l	0.419 ± 0.0105	0.42 ± 0.037	0.0586	100	0.02
Clothianidin	µg/l	0.195 ± 0.00864	0.19 ± 0.019	0.0215	97.3	-0.14
Cyanazine	µg/l	- ± -	- ± -	-	-	-
Dieldrin	µg/l	- ± -	- ± -	-	-	-
Dinotefurane	µg/l	- ± -	- ± -	-	-	-
Endrin	µg/l	- ± -	- ± -	-	-	-
Heptachlor	µg/l	- ± -	- ± -	-	-	-
Imidacloprid	µg/l	0.212 ± 0.00461	0.21 ± 0.016	0.0319	98.9	-0.08
Lindane (Gamma-HCH)	µg/l	- ± -	- ± -	-	-	-
Nitenpyram	µg/l	- ± -	- ± -	-	-	-
Prometryn	µg/l	0.419 ± 0.0219	- ± -	0.0545	-	-
Propazine	µg/l	0.218 ± 0.00746	- ± -	0.0284	-	-
Sum Chlordane	µg/l	- ± -	- ± -	-	-	-
Sum DDD	µg/l	- ± -	- ± -	-	-	-
Sum DDE	µg/l	- ± -	- ± -	-	-	-
Sum DDT	µg/l	- ± -	- ± -	-	-	-
Sum Endosulfan	µg/l	- ± -	- ± -	-	-	-
Thiacloprid	µg/l	0.36 ± 0.0247	0.41 ± 0.037	0.0505	114	0.64

Summary of results Pesticides H117 - En-Score

Labcode: LC0012

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Thiamethoxam	µg/l	0.249 ± 0.0129	0.26 ± 0.019	0.0424	104	0.27

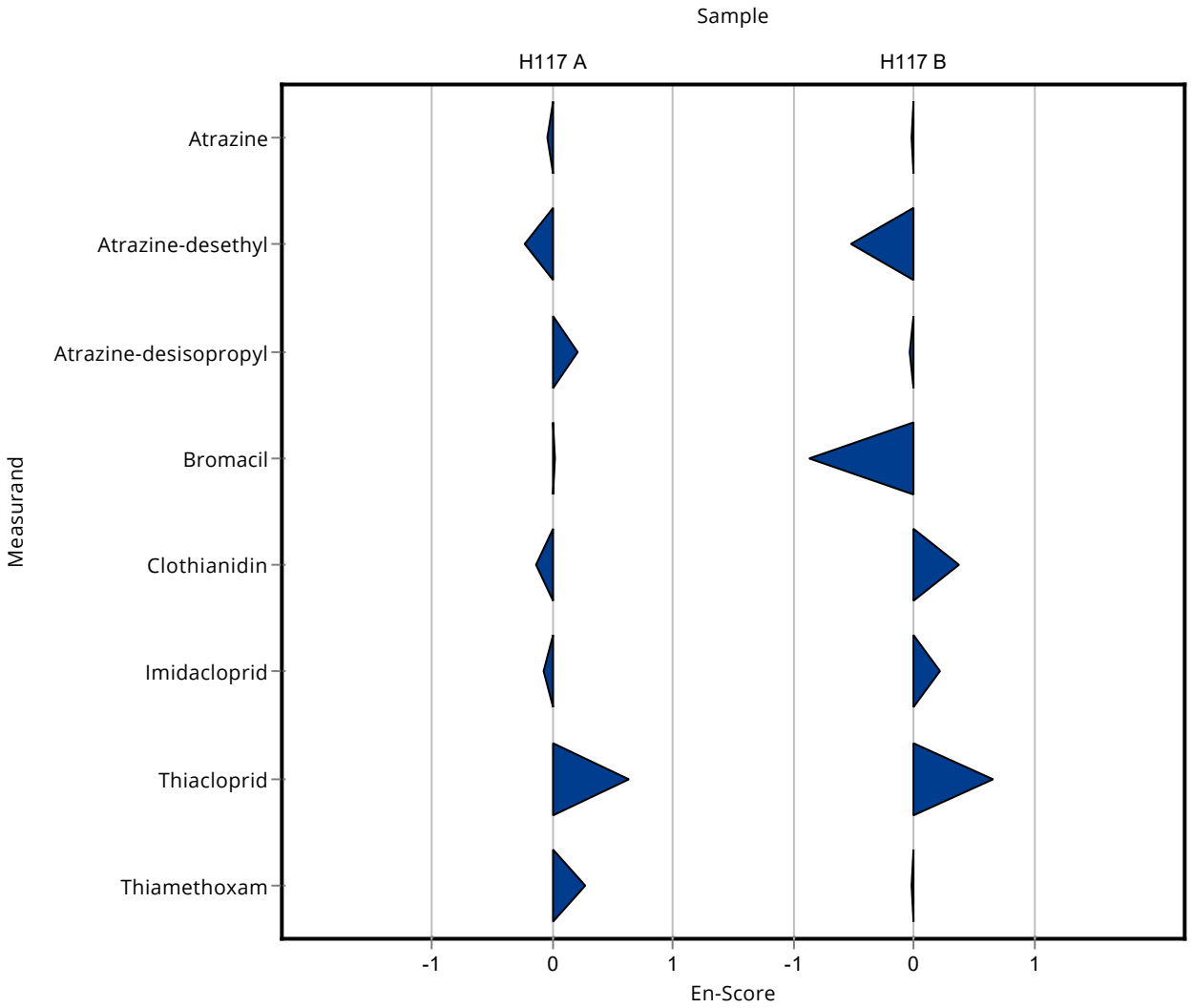
Sample: H117B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Acetamiprid	µg/l	- ± -	- ± -	-	-	-
Aldrin	µg/l	0.251 ± 0.0451	- ± -	0.0754	-	-
Atrazine	µg/l	1 ± 0.0233	1 ± 0.074	0.11	99.8	-0.01
Atrazine-desethyl	µg/l	1.64 ± 0.102	1.5 ± 0.128	0.197	91.4	-0.52
Atrazine-desisopropyl	µg/l	1.31 ± 0.0528	1.3 ± 0.116	0.183	99.4	-0.04
Bromacil	µg/l	1.19 ± 0.126	1 ± 0.087	0.166	84.2	-0.87
Clothianidin	µg/l	2.03 ± 0.138	2.2 ± 0.222	0.223	108	0.37
Cyanazine	µg/l	- ± -	- ± -	-	-	-
Dieldrin	µg/l	- ± -	- ± -	-	-	-
Dinotefurane	µg/l	- ± -	- ± -	-	-	-
Endrin	µg/l	- ± -	- ± -	-	-	-
Heptachlor	µg/l	- ± -	- ± -	-	-	-
Imidacloprid	µg/l	1.06 ± 0.068	1.1 ± 0.084	0.159	104	0.22
Lindane (Gamma-HCH)	µg/l	- ± -	- ± -	-	-	-
Nitenpyram	µg/l	- ± -	- ± -	-	-	-
Prometryn	µg/l	1.56 ± 0.108	- ± -	0.202	-	-
Propazine	µg/l	0.833 ± 0.047	- ± -	0.108	-	-
Sum Chlordane	µg/l	- ± -	- ± -	-	-	-
Sum DDD	µg/l	- ± -	- ± -	-	-	-
Sum DDE	µg/l	- ± -	- ± -	-	-	-
Sum DDT	µg/l	- ± -	- ± -	-	-	-

Summary of results Pesticides H117 - En-Score

Labcode: LC0012

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Sum Endosulfan	µg/l	- ± -	- ± -	-	-	-
Thiacloprid	µg/l	1.13 ± 0.106	1.3 ± 0.118	0.158	115	0.67
Thiamethoxam	µg/l	1.4 ± 0.0245	1.4 ± 0.101	0.239	99.7	-0.02



Summary of results Pesticides H117

Labcode: LC0013

Sample: H117A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Acetamiprid	µg/l	- ± -	0.299 ± 0.045	-	-	-
Aldrin	µg/l	0.084 ± 0.0243	- ± -	0.0252	-	-
Atrazine	µg/l	0.242 ± 0.0115	0.25 ± 0.038	0.0266	103	0.31
Atrazine-desethyl	µg/l	0.563 ± 0.0319	0.599 ± 0.09	0.0675	106	0.54
Atrazine-desisopropyl	µg/l	0.279 ± 0.00831	0.29 ± 0.044	0.039	104	0.29
Bromacil	µg/l	0.419 ± 0.0105	0.426 ± 0.064	0.0586	102	0.13
Clothianidin	µg/l	0.195 ± 0.00864	0.197 ± 0.03	0.0215	101	0.08
Cyanazine	µg/l	- ± -	0.248 ± 0.037	-	-	-
Dieldrin	µg/l	- ± -	- ± -	-	-	-
Dinotefurane	µg/l	- ± -	- ± -	-	-	-
Endrin	µg/l	- ± -	- ± -	-	-	-
Heptachlor	µg/l	- ± -	- ± -	-	-	-
Imidacloprid	µg/l	0.212 ± 0.00461	0.202 ± 0.03	0.0319	95.1	-0.33
Lindane (Gamma-HCH)	µg/l	- ± -	- ± -	-	-	-
Nitenpyram	µg/l	- ± -	- ± -	-	-	-
Prometryn	µg/l	0.419 ± 0.0219	0.453 ± 0.068	0.0545	108	0.62
Propazine	µg/l	0.218 ± 0.00746	0.221 ± 0.033	0.0284	101	0.10
Sum Chlordane	µg/l	- ± -	- ± -	-	-	-
Sum DDD	µg/l	- ± -	- ± -	-	-	-
Sum DDE	µg/l	- ± -	- ± -	-	-	-
Sum DDT	µg/l	- ± -	- ± -	-	-	-
Sum Endosulfan	µg/l	- ± -	- ± -	-	-	-
Thiacloprid	µg/l	0.36 ± 0.0247	0.355 ± 0.053	0.0505	98.5	-0.11
Thiamethoxam	µg/l	0.249 ± 0.0129	0.281 ± 0.042	0.0424	113	0.75

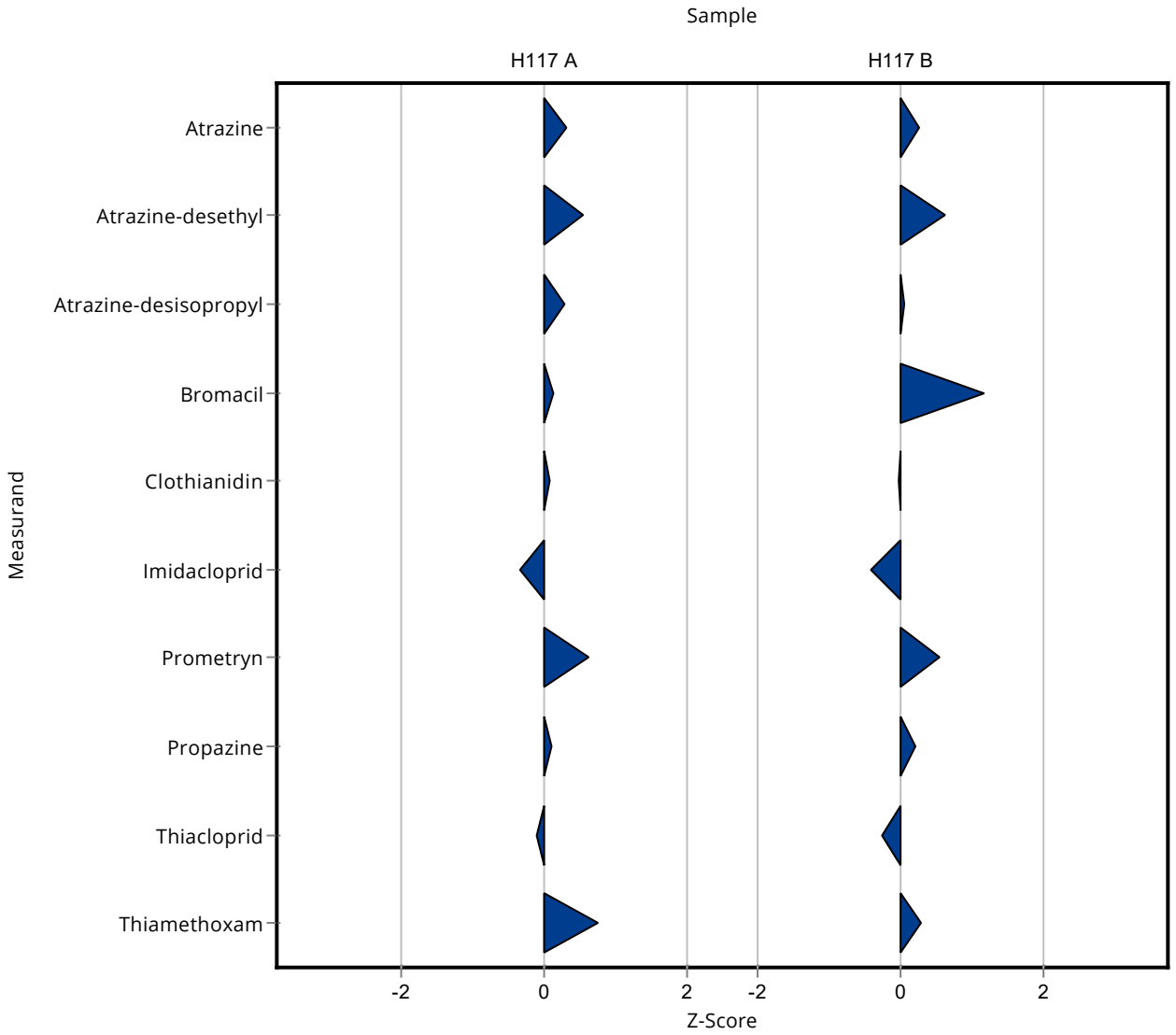
Sample: H117B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Acetamiprid	µg/l	- ± -	0.921 ± 0.138	-	-	-
Aldrin	µg/l	0.251 ± 0.0451	- ± -	0.0754	-	-
Atrazine	µg/l	1 ± 0.0233	1.03 ± 0.155	0.11	103	0.25

Summary of results Pesticides H117

Labcode: LC0013

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Atrazine-desethyl	µg/l	1.64 ± 0.102	1.763 ± 0.265	0.197	107	0.61
Atrazine-desisopropyl	µg/l	1.31 ± 0.0528	1.319 ± 0.198	0.183	101	0.06
Bromacil	µg/l	1.19 ± 0.126	1.381 ± 0.207	0.166	116	1.16
Clothianidin	µg/l	2.03 ± 0.138	2.024 ± 0.307	0.223	99.8	-0.02
Cyanazine	µg/l	- ± -	2.005 ± 0.301	-	-	-
Dieldrin	µg/l	- ± -	- ± -	-	-	-
Dinotefurane	µg/l	- ± -	- ± -	-	-	-
Endrin	µg/l	- ± -	- ± -	-	-	-
Heptachlor	µg/l	- ± -	- ± -	-	-	-
Imidacloprid	µg/l	1.06 ± 0.068	0.993 ± 0.149	0.159	93.7	-0.42
Lindane (Gamma-HCH)	µg/l	- ± -	- ± -	-	-	-
Nitenpyram	µg/l	- ± -	- ± -	-	-	-
Prometryn	µg/l	1.56 ± 0.108	1.669 ± 0.25	0.202	107	0.56
Propazine	µg/l	0.833 ± 0.047	0.857 ± 0.129	0.108	103	0.22
Sum Chlordane	µg/l	- ± -	- ± -	-	-	-
Sum DDD	µg/l	- ± -	- ± -	-	-	-
Sum DDE	µg/l	- ± -	- ± -	-	-	-
Sum DDT	µg/l	- ± -	- ± -	-	-	-
Sum Endosulfan	µg/l	- ± -	- ± -	-	-	-
Thiacloprid	µg/l	1.13 ± 0.106	1.085 ± 0.163	0.158	96.2	-0.27
Thiamethoxam	µg/l	1.4 ± 0.0245	1.472 ± 0.221	0.239	105	0.28


Sample
H117 A
H117 B
Atrazine
Atrazine-desethyl
Atrazine-desisopropyl
Bromacil
Clothianidin
Imidacloprid
Prometryn
Propazine
Thiacloprid
Thiamethoxam
Measurand
-2
0
2
-2
0
2
Z-Score

Summary of results Pesticides H117 - En-Score

Labcode: LC0013

Sample: H117A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Acetamiprid	µg/l	- ± -	0.299 ± 0.045	-	-	-
Aldrin	µg/l	0.084 ± 0.0243	- ± -	0.0252	-	-
Atrazine	µg/l	0.242 ± 0.0115	0.25 ± 0.038	0.0266	103	0.11
Atrazine-desethyl	µg/l	0.563 ± 0.0319	0.599 ± 0.09	0.0675	106	0.20
Atrazine-desisopropyl	µg/l	0.279 ± 0.00831	0.29 ± 0.044	0.039	104	0.13
Bromacil	µg/l	0.419 ± 0.0105	0.426 ± 0.064	0.0586	102	0.06
Clothianidin	µg/l	0.195 ± 0.00864	0.197 ± 0.03	0.0215	101	0.03
Cyanazine	µg/l	- ± -	0.248 ± 0.037	-	-	-
Dieldrin	µg/l	- ± -	- ± -	-	-	-
Dinotefurane	µg/l	- ± -	- ± -	-	-	-
Endrin	µg/l	- ± -	- ± -	-	-	-
Heptachlor	µg/l	- ± -	- ± -	-	-	-
Imidacloprid	µg/l	0.212 ± 0.00461	0.202 ± 0.03	0.0319	95.1	-0.17
Lindane (Gamma-HCH)	µg/l	- ± -	- ± -	-	-	-
Nitenpyram	µg/l	- ± -	- ± -	-	-	-
Prometryn	µg/l	0.419 ± 0.0219	0.453 ± 0.068	0.0545	108	0.25
Propazine	µg/l	0.218 ± 0.00746	0.221 ± 0.033	0.0284	101	0.04
Sum Chlordane	µg/l	- ± -	- ± -	-	-	-
Sum DDD	µg/l	- ± -	- ± -	-	-	-
Sum DDE	µg/l	- ± -	- ± -	-	-	-
Sum DDT	µg/l	- ± -	- ± -	-	-	-
Sum Endosulfan	µg/l	- ± -	- ± -	-	-	-
Thiacloprid	µg/l	0.36 ± 0.0247	0.355 ± 0.053	0.0505	98.5	-0.05

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Thiamethoxam	µg/l	0.249 ± 0.0129	0.281 ± 0.042	0.0424	113	0.37

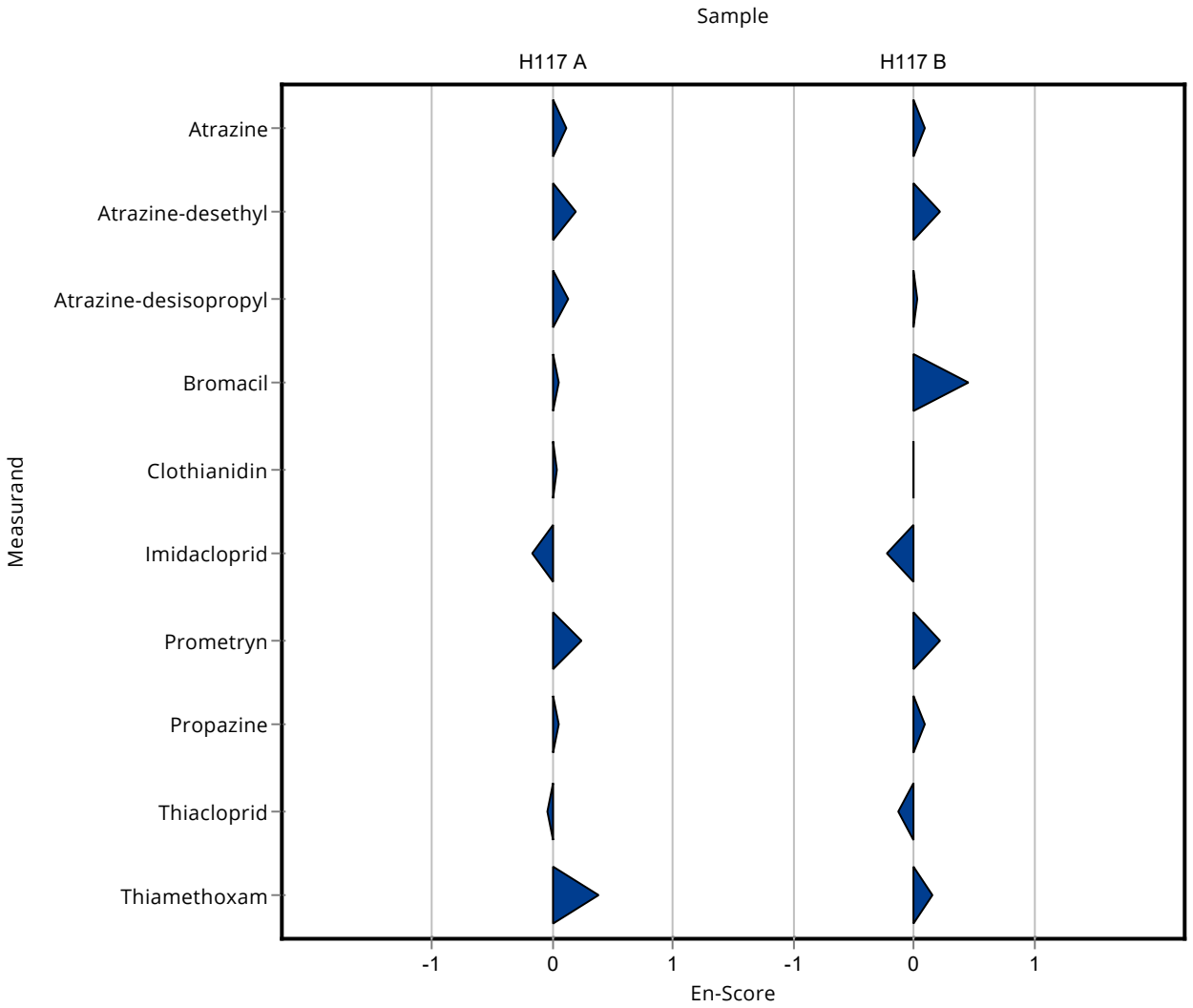
Sample: H117B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Acetamiprid	µg/l	- ± -	0.921 ± 0.138	-	-	-
Aldrin	µg/l	0.251 ± 0.0451	- ± -	0.0754	-	-
Atrazine	µg/l	1 ± 0.0233	1.03 ± 0.155	0.11	103	0.09
Atrazine-desethyl	µg/l	1.64 ± 0.102	1.763 ± 0.265	0.197	107	0.22
Atrazine-desisopropyl	µg/l	1.31 ± 0.0528	1.319 ± 0.198	0.183	101	0.03
Bromacil	µg/l	1.19 ± 0.126	1.381 ± 0.207	0.166	116	0.45
Clothianidin	µg/l	2.03 ± 0.138	2.024 ± 0.307	0.223	99.8	-0.01
Cyanazine	µg/l	- ± -	2.005 ± 0.301	-	-	-
Dieldrin	µg/l	- ± -	- ± -	-	-	-
Dinotefurane	µg/l	- ± -	- ± -	-	-	-
Endrin	µg/l	- ± -	- ± -	-	-	-
Heptachlor	µg/l	- ± -	- ± -	-	-	-
Imidacloprid	µg/l	1.06 ± 0.068	0.993 ± 0.149	0.159	93.7	-0.22
Lindane (Gamma-HCH)	µg/l	- ± -	- ± -	-	-	-
Nitenpyram	µg/l	- ± -	- ± -	-	-	-
Prometryn	µg/l	1.56 ± 0.108	1.669 ± 0.25	0.202	107	0.22
Propazine	µg/l	0.833 ± 0.047	0.857 ± 0.129	0.108	103	0.09
Sum Chlordane	µg/l	- ± -	- ± -	-	-	-
Sum DDD	µg/l	- ± -	- ± -	-	-	-
Sum DDE	µg/l	- ± -	- ± -	-	-	-
Sum DDT	µg/l	- ± -	- ± -	-	-	-

Summary of results Pesticides H117 - En-Score

Labcode: LC0013

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Sum Endosulfan	µg/l	- ± -	- ± -	-	-	-
Thiacloprid	µg/l	1.13 ± 0.106	1.085 ± 0.163	0.158	96.2	-0.12
Thiamethoxam	µg/l	1.4 ± 0.0245	1.472 ± 0.221	0.239	105	0.15



Summary of results Pesticides H117

Labcode: LC0014

Sample: H117A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Acetamiprid	µg/l	- ± -	0.3002 ± 0.0781	-	-	-
Aldrin	µg/l	0.084 ± 0.0243	- ± -	0.0252	-	-
Atrazine	µg/l	0.242 ± 0.0115	0.218 ± 0.0589	0.0266	90.2	-0.89
Atrazine-desethyl	µg/l	0.563 ± 0.0319	- ± -	0.0675	-	-
Atrazine-desisopropyl	µg/l	0.279 ± 0.00831	- ± -	0.039	-	-
Bromacil	µg/l	0.419 ± 0.0105	- ± -	0.0586	-	-
Clothianidin	µg/l	0.195 ± 0.00864	0.1964 ± 0.051	0.0215	101	0.05
Cyanazine	µg/l	- ± -	- ± -	-	-	-
Dieldrin	µg/l	- ± -	- ± -	-	-	-
Dinotefurane	µg/l	- ± -	- ± -	-	-	-
Endrin	µg/l	- ± -	- ± -	-	-	-
Heptachlor	µg/l	- ± -	- ± -	-	-	-
Imidacloprid	µg/l	0.212 ± 0.00461	0.2098 ± 0.06	0.0319	98.8	-0.08
Lindane (Gamma-HCH)	µg/l	- ± -	- ± -	-	-	-
Nitenpyram	µg/l	- ± -	- ± -	-	-	-
Prometryn	µg/l	0.419 ± 0.0219	- ± -	0.0545	-	-
Propazine	µg/l	0.218 ± 0.00746	- ± -	0.0284	-	-
Sum Chlordane	µg/l	- ± -	- ± -	-	-	-
Sum DDD	µg/l	- ± -	- ± -	-	-	-
Sum DDE	µg/l	- ± -	- ± -	-	-	-
Sum DDT	µg/l	- ± -	- ± -	-	-	-
Sum Endosulfan	µg/l	- ± -	- ± -	-	-	-
Thiacloprid	µg/l	0.36 ± 0.0247	0.3511 ± 0.098	0.0505	97.4	-0.18
Thiamethoxam	µg/l	0.249 ± 0.0129	0.2423 ± 0.068	0.0424	97.2	-0.16

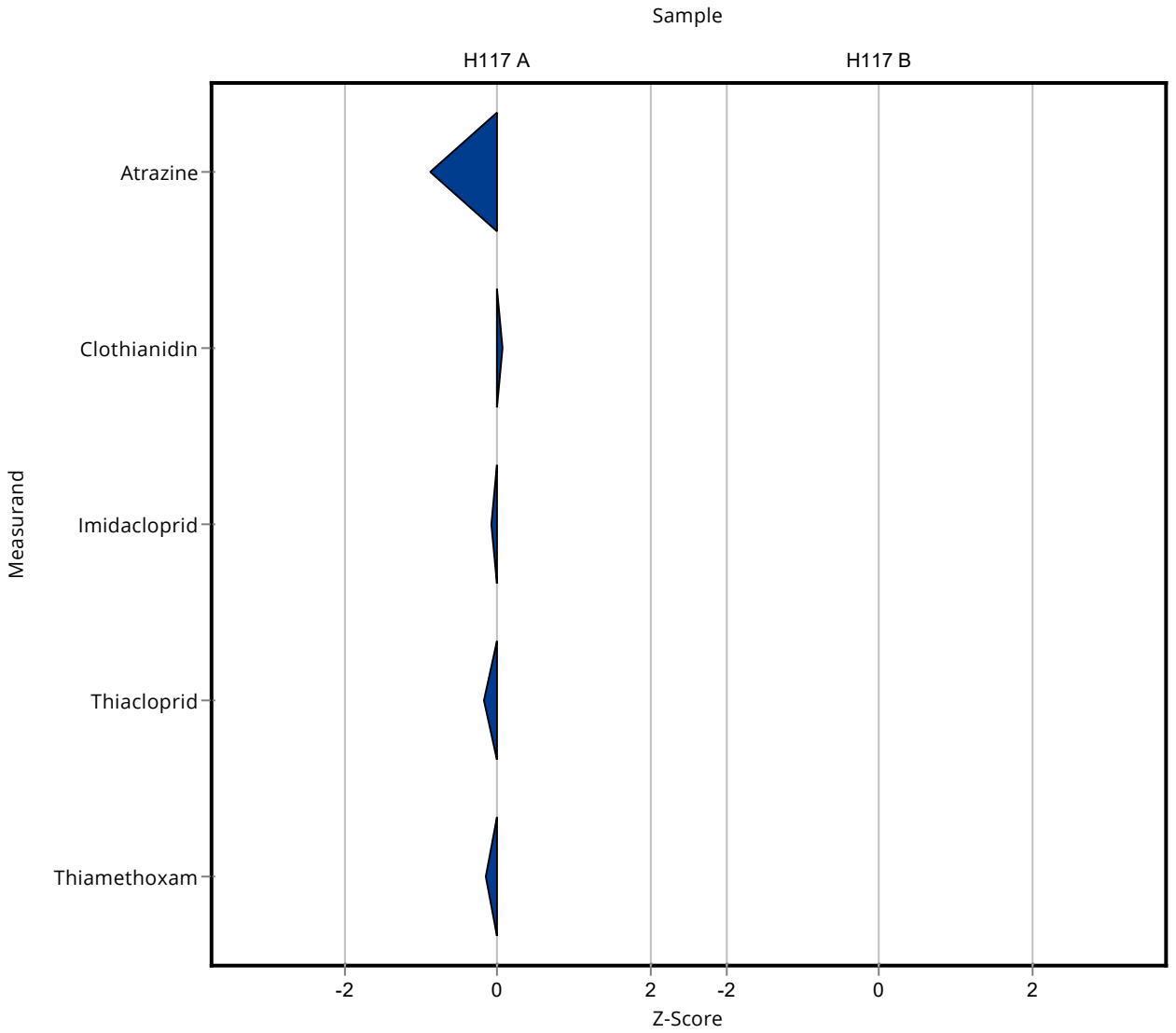
Sample: H117B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Acetamiprid	µg/l	- ± -	- ± -	-	-	-
Aldrin	µg/l	0.251 ± 0.0451	- ± -	0.0754	-	-
Atrazine	µg/l	1 ± 0.0233	- ± -	0.11	-	-

Summary of results Pesticides H117

Labcode: LC0014

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Atrazine-desethyl	µg/l	1.64 ± 0.102	- ± -	0.197	-	-
Atrazine-desisopropyl	µg/l	1.31 ± 0.0528	- ± -	0.183	-	-
Bromacil	µg/l	1.19 ± 0.126	- ± -	0.166	-	-
Clothianidin	µg/l	2.03 ± 0.138	- ± -	0.223	-	-
Cyanazine	µg/l	- ± -	- ± -	-	-	-
Dieldrin	µg/l	- ± -	- ± -	-	-	-
Dinotefurane	µg/l	- ± -	- ± -	-	-	-
Endrin	µg/l	- ± -	- ± -	-	-	-
Heptachlor	µg/l	- ± -	- ± -	-	-	-
Imidacloprid	µg/l	1.06 ± 0.068	- ± -	0.159	-	-
Lindane (Gamma-HCH)	µg/l	- ± -	- ± -	-	-	-
Nitenpyram	µg/l	- ± -	- ± -	-	-	-
Prometryn	µg/l	1.56 ± 0.108	- ± -	0.202	-	-
Propazine	µg/l	0.833 ± 0.047	- ± -	0.108	-	-
Sum Chlordane	µg/l	- ± -	- ± -	-	-	-
Sum DDD	µg/l	- ± -	- ± -	-	-	-
Sum DDE	µg/l	- ± -	- ± -	-	-	-
Sum DDT	µg/l	- ± -	- ± -	-	-	-
Sum Endosulfan	µg/l	- ± -	- ± -	-	-	-
Thiacloprid	µg/l	1.13 ± 0.106	- ± -	0.158	-	-
Thiamethoxam	µg/l	1.4 ± 0.0245	- ± -	0.239	-	-


Sample
H117 A
H117 B
Atrazine
Clothianidin
Imidacloprid
Thiacloprid
Thiamethoxam
Measurand
-2
0
2
-2
0
2
Z-Score

Summary of results Pesticides H117 - En-Score

Labcode: LC0014

Sample: H117A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Acetamiprid	µg/l	- ± -	0.3002 ± 0.0781	-	-	-
Aldrin	µg/l	0.084 ± 0.0243	- ± -	0.0252	-	-
Atrazine	µg/l	0.242 ± 0.0115	0.218 ± 0.0589	0.0266	90.2	-0.20
Atrazine-desethyl	µg/l	0.563 ± 0.0319	- ± -	0.0675	-	-
Atrazine-desisopropyl	µg/l	0.279 ± 0.00831	- ± -	0.039	-	-
Bromacil	µg/l	0.419 ± 0.0105	- ± -	0.0586	-	-
Clothianidin	µg/l	0.195 ± 0.00864	0.1964 ± 0.051	0.0215	101	0.01
Cyanazine	µg/l	- ± -	- ± -	-	-	-
Dieldrin	µg/l	- ± -	- ± -	-	-	-
Dinotefurane	µg/l	- ± -	- ± -	-	-	-
Endrin	µg/l	- ± -	- ± -	-	-	-
Heptachlor	µg/l	- ± -	- ± -	-	-	-
Imidacloprid	µg/l	0.212 ± 0.00461	0.2098 ± 0.06	0.0319	98.8	-0.02
Lindane (Gamma-HCH)	µg/l	- ± -	- ± -	-	-	-
Nitenpyram	µg/l	- ± -	- ± -	-	-	-
Prometryn	µg/l	0.419 ± 0.0219	- ± -	0.0545	-	-
Propazine	µg/l	0.218 ± 0.00746	- ± -	0.0284	-	-
Sum Chlordane	µg/l	- ± -	- ± -	-	-	-
Sum DDD	µg/l	- ± -	- ± -	-	-	-
Sum DDE	µg/l	- ± -	- ± -	-	-	-
Sum DDT	µg/l	- ± -	- ± -	-	-	-
Sum Endosulfan	µg/l	- ± -	- ± -	-	-	-
Thiacloprid	µg/l	0.36 ± 0.0247	0.3511 ± 0.098	0.0505	97.4	-0.05

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Thiamethoxam	µg/l	0.249 ± 0.0129	0.2423 ± 0.068	0.0424	97.2	-0.05

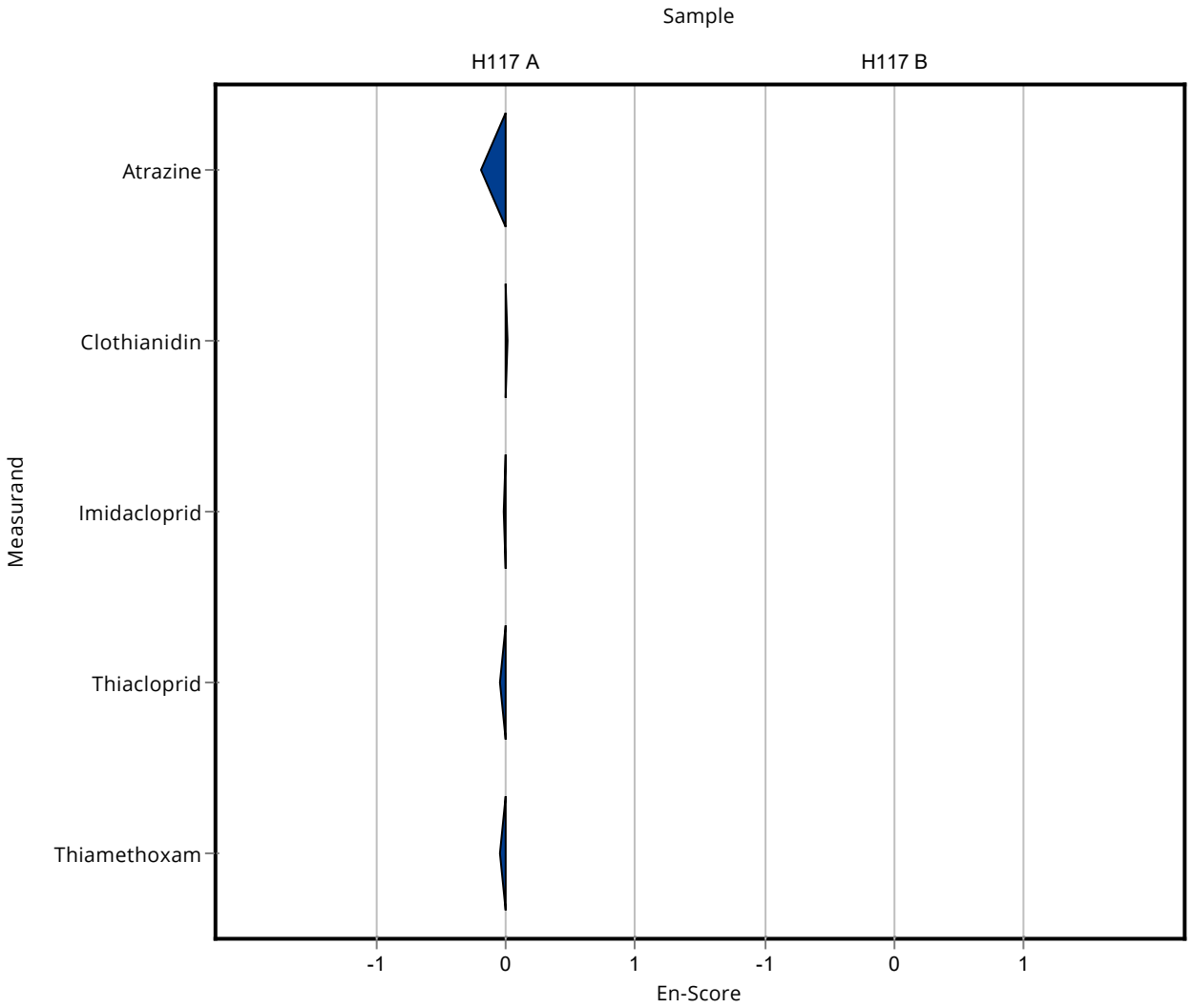
Sample: H117B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Acetamiprid	µg/l	- ± -	- ± -	-	-	-
Aldrin	µg/l	0.251 ± 0.0451	- ± -	0.0754	-	-
Atrazine	µg/l	1 ± 0.0233	- ± -	0.11	-	-
Atrazine-desethyl	µg/l	1.64 ± 0.102	- ± -	0.197	-	-
Atrazine-desisopropyl	µg/l	1.31 ± 0.0528	- ± -	0.183	-	-
Bromacil	µg/l	1.19 ± 0.126	- ± -	0.166	-	-
Clothianidin	µg/l	2.03 ± 0.138	- ± -	0.223	-	-
Cyanazine	µg/l	- ± -	- ± -	-	-	-
Dieldrin	µg/l	- ± -	- ± -	-	-	-
Dinotefurane	µg/l	- ± -	- ± -	-	-	-
Endrin	µg/l	- ± -	- ± -	-	-	-
Heptachlor	µg/l	- ± -	- ± -	-	-	-
Imidacloprid	µg/l	1.06 ± 0.068	- ± -	0.159	-	-
Lindane (Gamma-HCH)	µg/l	- ± -	- ± -	-	-	-
Nitenpyram	µg/l	- ± -	- ± -	-	-	-
Prometryn	µg/l	1.56 ± 0.108	- ± -	0.202	-	-
Propazine	µg/l	0.833 ± 0.047	- ± -	0.108	-	-
Sum Chlordane	µg/l	- ± -	- ± -	-	-	-
Sum DDD	µg/l	- ± -	- ± -	-	-	-
Sum DDE	µg/l	- ± -	- ± -	-	-	-
Sum DDT	µg/l	- ± -	- ± -	-	-	-

Summary of results Pesticides H117 - En-Score

Labcode: LC0014

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Sum Endosulfan	µg/l	- ± -	- ± -	-	-	-
Thiacloprid	µg/l	1.13 ± 0.106	- ± -	0.158	-	-
Thiamethoxam	µg/l	1.4 ± 0.0245	- ± -	0.239	-	-



Summary of results Pesticides H117

Labcode: LC0015

Sample: H117A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Acetamiprid	µg/l	- ± -	- ± -	-	-	-
Aldrin	µg/l	0.084 ± 0.0243	- ± -	0.0252	-	-
Atrazine	µg/l	0.242 ± 0.0115	0.2508 ± 0.0627	0.0266	104	0.34
Atrazine-desethyl	µg/l	0.563 ± 0.0319	0.6099 ± 0.1525	0.0675	108	0.70
Atrazine-desisopropyl	µg/l	0.279 ± 0.00831	0.2728 ± 0.0682	0.039	97.9	-0.15
Bromacil	µg/l	0.419 ± 0.0105	- ± -	0.0586	-	-
Clothianidin	µg/l	0.195 ± 0.00864	0.2011 ± 0.0503	0.0215	103	0.27
Cyanazine	µg/l	- ± -	- ± -	-	-	-
Dieldrin	µg/l	- ± -	- ± -	-	-	-
Dinotefurane	µg/l	- ± -	- ± -	-	-	-
Endrin	µg/l	- ± -	- ± -	-	-	-
Heptachlor	µg/l	- ± -	- ± -	-	-	-
Imidacloprid	µg/l	0.212 ± 0.00461	0.2075 ± 0.0519	0.0319	97.7	-0.15
Lindane (Gamma-HCH)	µg/l	- ± -	- ± -	-	-	-
Nitenpyram	µg/l	- ± -	- ± -	-	-	-
Prometryn	µg/l	0.419 ± 0.0219	- ± -	0.0545	-	-
Propazine	µg/l	0.218 ± 0.00746	- ± -	0.0284	-	-
Sum Chlordane	µg/l	- ± -	- ± -	-	-	-
Sum DDD	µg/l	- ± -	- ± -	-	-	-
Sum DDE	µg/l	- ± -	- ± -	-	-	-
Sum DDT	µg/l	- ± -	- ± -	-	-	-
Sum Endosulfan	µg/l	- ± -	- ± -	-	-	-
Thiacloprid	µg/l	0.36 ± 0.0247	0.3732 ± 0.0933	0.0505	104	0.25
Thiamethoxam	µg/l	0.249 ± 0.0129	0.2446 ± 0.0612	0.0424	98.2	-0.11

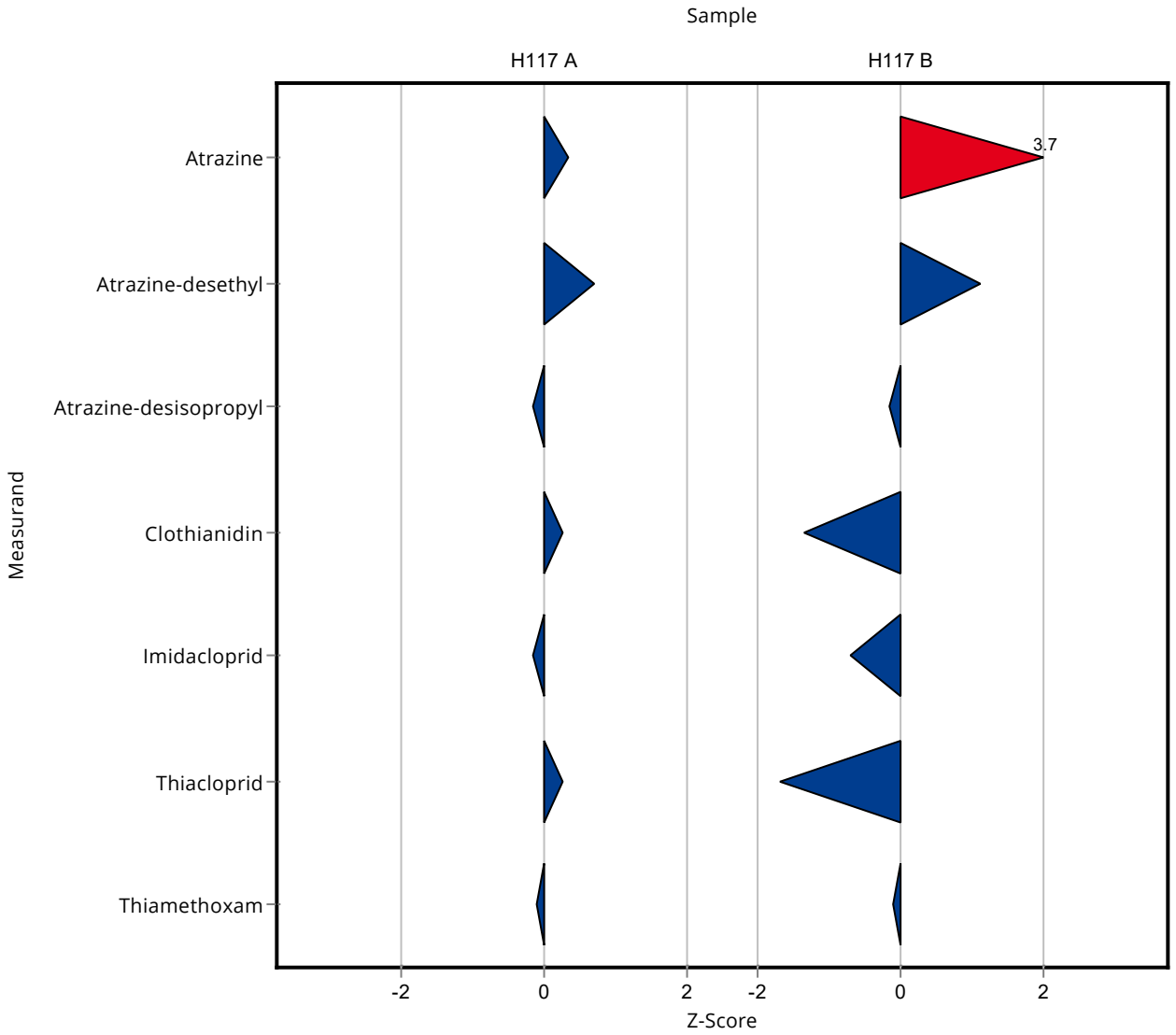
Sample: H117B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Acetamiprid	µg/l	- ± -	- ± -	-	-	-
Aldrin	µg/l	0.251 ± 0.0451	- ± -	0.0754	-	-
Atrazine	µg/l	1 ± 0.0233	1.407 ± 0.3518	0.11	140	3.67

Summary of results Pesticides H117

Labcode: LC0015

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Atrazine-desethyl	µg/l	1.64 ± 0.102	1.863 ± 0.4659	0.197	113	1.12
Atrazine-desisopropyl	µg/l	1.31 ± 0.0528	1.282 ± 0.3206	0.183	98	-0.14
Bromacil	µg/l	1.19 ± 0.126	- ± -	0.166	-	-
Clothianidin	µg/l	2.03 ± 0.138	1.7279 ± 0.432	0.223	85.2	-1.35
Cyanazine	µg/l	- ± -	- ± -	-	-	-
Dieldrin	µg/l	- ± -	- ± -	-	-	-
Dinotefurane	µg/l	- ± -	- ± -	-	-	-
Endrin	µg/l	- ± -	- ± -	-	-	-
Heptachlor	µg/l	- ± -	- ± -	-	-	-
Imidacloprid	µg/l	1.06 ± 0.068	0.948 ± 0.237	0.159	89.5	-0.70
Lindane (Gamma-HCH)	µg/l	- ± -	- ± -	-	-	-
Nitenpyram	µg/l	- ± -	- ± -	-	-	-
Prometryn	µg/l	1.56 ± 0.108	- ± -	0.202	-	-
Propazine	µg/l	0.833 ± 0.047	- ± -	0.108	-	-
Sum Chlordane	µg/l	- ± -	- ± -	-	-	-
Sum DDD	µg/l	- ± -	- ± -	-	-	-
Sum DDE	µg/l	- ± -	- ± -	-	-	-
Sum DDT	µg/l	- ± -	- ± -	-	-	-
Sum Endosulfan	µg/l	- ± -	- ± -	-	-	-
Thiacloprid	µg/l	1.13 ± 0.106	0.8625 ± 0.2156	0.158	76.5	-1.68
Thiamethoxam	µg/l	1.4 ± 0.0245	1.3809 ± 0.3452	0.239	98.3	-0.10


Sample
H117 A
H117 B
Atrazine
Atrazine-desethyl
Atrazine-desisopropyl
Clothianidin
Imidacloprid
Thiacloprid
Thiamethoxam
Measurand
3.7
-2
0
2
-2
0
2
Z-Score

Summary of results Pesticides H117 - En-Score

Labcode: LC0015

Sample: H117A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Acetamiprid	µg/l	- ± -	- ± -	-	-	-
Aldrin	µg/l	0.084 ± 0.0243	- ± -	0.0252	-	-
Atrazine	µg/l	0.242 ± 0.0115	0.2508 ± 0.0627	0.0266	104	0.07
Atrazine-desethyl	µg/l	0.563 ± 0.0319	0.6099 ± 0.1525	0.0675	108	0.15
Atrazine-desisopropyl	µg/l	0.279 ± 0.00831	0.2728 ± 0.0682	0.039	97.9	-0.04
Bromacil	µg/l	0.419 ± 0.0105	- ± -	0.0586	-	-
Clothianidin	µg/l	0.195 ± 0.00864	0.2011 ± 0.0503	0.0215	103	0.06
Cyanazine	µg/l	- ± -	- ± -	-	-	-
Dieldrin	µg/l	- ± -	- ± -	-	-	-
Dinotefurane	µg/l	- ± -	- ± -	-	-	-
Endrin	µg/l	- ± -	- ± -	-	-	-
Heptachlor	µg/l	- ± -	- ± -	-	-	-
Imidacloprid	µg/l	0.212 ± 0.00461	0.2075 ± 0.0519	0.0319	97.7	-0.05
Lindane (Gamma-HCH)	µg/l	- ± -	- ± -	-	-	-
Nitenpyram	µg/l	- ± -	- ± -	-	-	-
Prometryn	µg/l	0.419 ± 0.0219	- ± -	0.0545	-	-
Propazine	µg/l	0.218 ± 0.00746	- ± -	0.0284	-	-
Sum Chlordane	µg/l	- ± -	- ± -	-	-	-
Sum DDD	µg/l	- ± -	- ± -	-	-	-
Sum DDE	µg/l	- ± -	- ± -	-	-	-
Sum DDT	µg/l	- ± -	- ± -	-	-	-
Sum Endosulfan	µg/l	- ± -	- ± -	-	-	-
Thiacloprid	µg/l	0.36 ± 0.0247	0.3732 ± 0.0933	0.0505	104	0.07

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Thiamethoxam	µg/l	0.249 ± 0.0129	0.2446 ± 0.0612	0.0424	98.2	-0.04

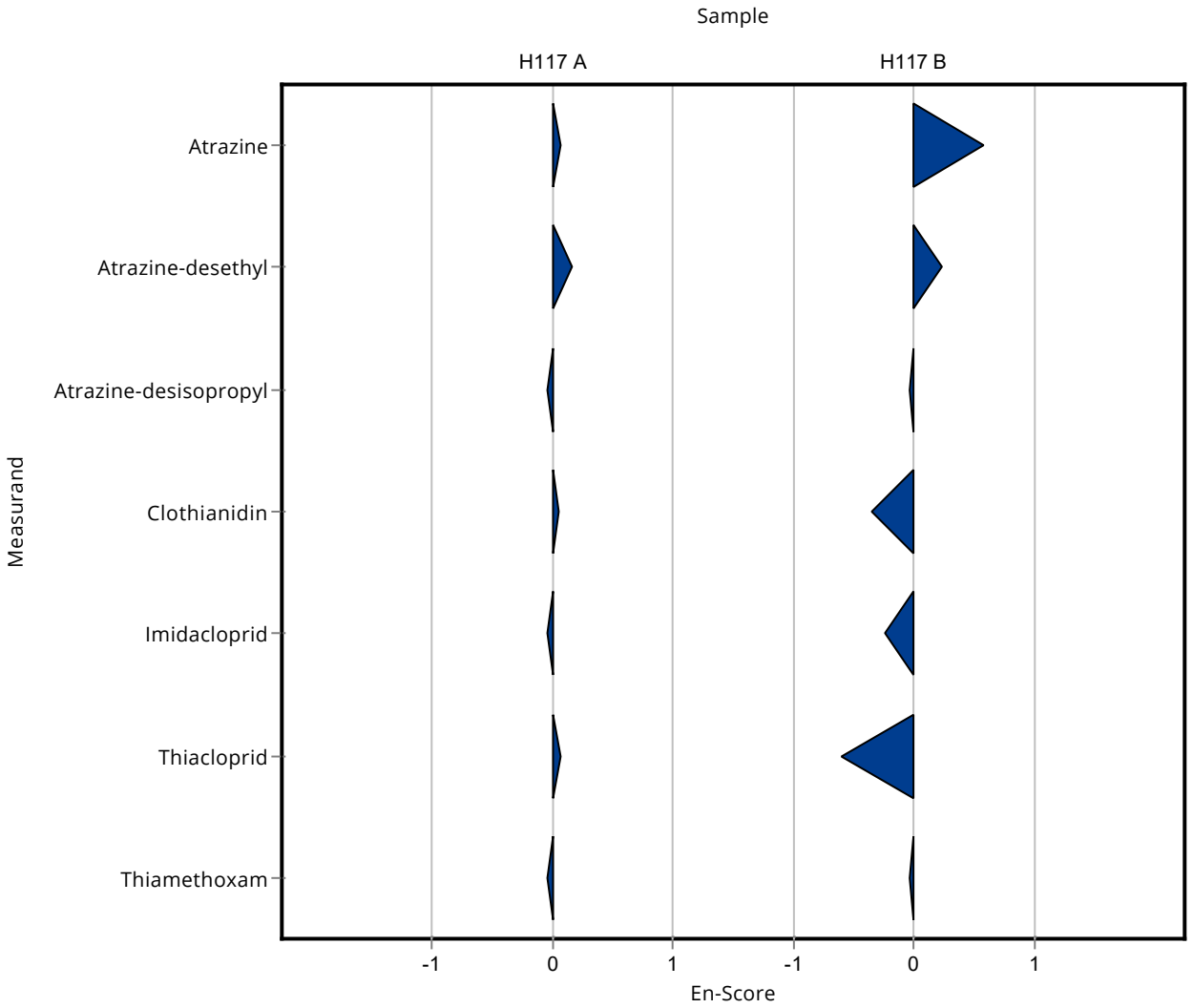
Sample: H117B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Acetamiprid	µg/l	- ± -	- ± -	-	-	-
Aldrin	µg/l	0.251 ± 0.0451	- ± -	0.0754	-	-
Atrazine	µg/l	1 ± 0.0233	1.407 ± 0.3518	0.11	140	0.58
Atrazine-desethyl	µg/l	1.64 ± 0.102	1.863 ± 0.4659	0.197	113	0.24
Atrazine-desisopropyl	µg/l	1.31 ± 0.0528	1.282 ± 0.3206	0.183	98	-0.04
Bromacil	µg/l	1.19 ± 0.126	- ± -	0.166	-	-
Clothianidin	µg/l	2.03 ± 0.138	1.7279 ± 0.432	0.223	85.2	-0.34
Cyanazine	µg/l	- ± -	- ± -	-	-	-
Dieldrin	µg/l	- ± -	- ± -	-	-	-
Dinotefurane	µg/l	- ± -	- ± -	-	-	-
Endrin	µg/l	- ± -	- ± -	-	-	-
Heptachlor	µg/l	- ± -	- ± -	-	-	-
Imidacloprid	µg/l	1.06 ± 0.068	0.948 ± 0.237	0.159	89.5	-0.23
Lindane (Gamma-HCH)	µg/l	- ± -	- ± -	-	-	-
Nitenpyram	µg/l	- ± -	- ± -	-	-	-
Prometryn	µg/l	1.56 ± 0.108	- ± -	0.202	-	-
Propazine	µg/l	0.833 ± 0.047	- ± -	0.108	-	-
Sum Chlordane	µg/l	- ± -	- ± -	-	-	-
Sum DDD	µg/l	- ± -	- ± -	-	-	-
Sum DDE	µg/l	- ± -	- ± -	-	-	-
Sum DDT	µg/l	- ± -	- ± -	-	-	-

Summary of results Pesticides H117 - En-Score

Labcode: LC0015

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Sum Endosulfan	µg/l	- ± -	- ± -	-	-	-
Thiacloprid	µg/l	1.13 ± 0.106	0.8625 ± 0.2156	0.158	76.5	-0.60
Thiamethoxam	µg/l	1.4 ± 0.0245	1.3809 ± 0.3452	0.239	98.3	-0.03



Summary of results Pesticides H117

Labcode: LC0016

Sample: H117A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Acetamiprid	µg/l	- ± -	0.303 ± 0.045	-	-	-
Aldrin	µg/l	0.084 ± 0.0243	- ± -	0.0252	-	-
Atrazine	µg/l	0.242 ± 0.0115	0.241 ± 0.036	0.0266	99.7	-0.02
Atrazine-desethyl	µg/l	0.563 ± 0.0319	- ± -	0.0675	-	-
Atrazine-desisopropyl	µg/l	0.279 ± 0.00831	- ± -	0.039	-	-
Bromacil	µg/l	0.419 ± 0.0105	- ± -	0.0586	-	-
Clothianidin	µg/l	0.195 ± 0.00864	0.186 ± 0.028	0.0215	95.2	-0.43
Cyanazine	µg/l	- ± -	- ± -	-	-	-
Dieldrin	µg/l	- ± -	- ± -	-	-	-
Dinotefurane	µg/l	- ± -	0.29 ± 0.043	-	-	-
Endrin	µg/l	- ± -	- ± -	-	-	-
Heptachlor	µg/l	- ± -	- ± -	-	-	-
Imidacloprid	µg/l	0.212 ± 0.00461	0.222 ± 0.033	0.0319	105	0.30
Lindane (Gamma-HCH)	µg/l	- ± -	- ± -	-	-	-
Nitenpyram	µg/l	- ± -	- ± -	-	-	-
Prometryn	µg/l	0.419 ± 0.0219	- ± -	0.0545	-	-
Propazine	µg/l	0.218 ± 0.00746	- ± -	0.0284	-	-
Sum Chlordane	µg/l	- ± -	- ± -	-	-	-
Sum DDD	µg/l	- ± -	- ± -	-	-	-
Sum DDE	µg/l	- ± -	- ± -	-	-	-
Sum DDT	µg/l	- ± -	- ± -	-	-	-
Sum Endosulfan	µg/l	- ± -	- ± -	-	-	-
Thiacloprid	µg/l	0.36 ± 0.0247	0.403 ± 0.06	0.0505	112	0.84
Thiamethoxam	µg/l	0.249 ± 0.0129	0.264 ± 0.04	0.0424	106	0.35

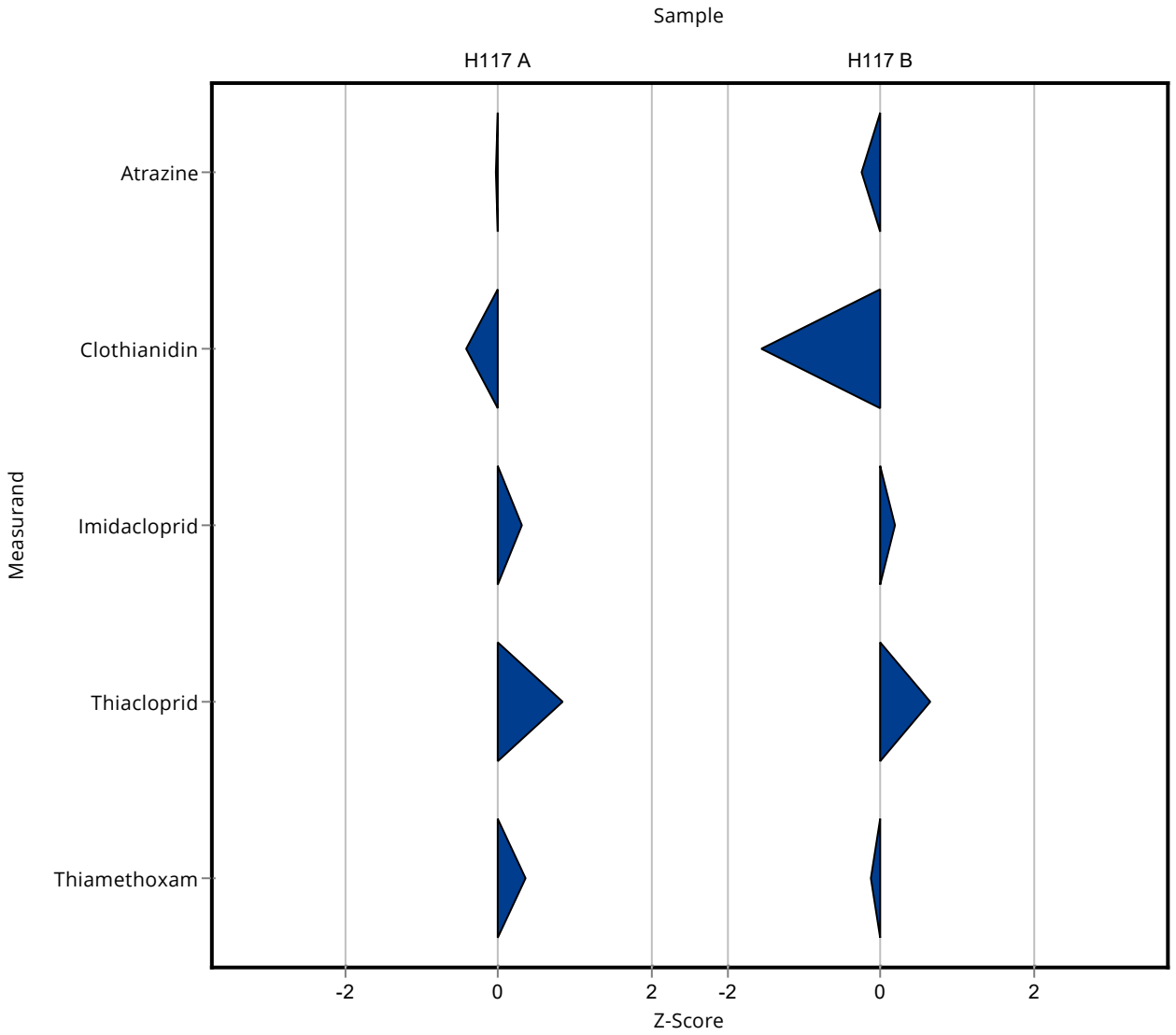
Sample: H117B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Acetamiprid	µg/l	- ± -	1.02 ± 0.15	-	-	-
Aldrin	µg/l	0.251 ± 0.0451	- ± -	0.0754	-	-
Atrazine	µg/l	1 ± 0.0233	0.973 ± 0.146	0.11	97.1	-0.26

Summary of results Pesticides H117

Labcode: LC0016

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Atrazine-desethyl	µg/l	1.64 ± 0.102	- ± -	0.197	-	-
Atrazine-desisopropyl	µg/l	1.31 ± 0.0528	- ± -	0.183	-	-
Bromacil	µg/l	1.19 ± 0.126	- ± -	0.166	-	-
Clothianidin	µg/l	2.03 ± 0.138	1.68 ± 0.25	0.223	82.8	-1.56
Cyanazine	µg/l	- ± -	- ± -	-	-	-
Dieldrin	µg/l	- ± -	- ± -	-	-	-
Dinotefurane	µg/l	- ± -	2.1 ± 0.32	-	-	-
Endrin	µg/l	- ± -	- ± -	-	-	-
Heptachlor	µg/l	- ± -	- ± -	-	-	-
Imidacloprid	µg/l	1.06 ± 0.068	1.09 ± 0.16	0.159	103	0.19
Lindane (Gamma-HCH)	µg/l	- ± -	- ± -	-	-	-
Nitenpyram	µg/l	- ± -	- ± -	-	-	-
Prometryn	µg/l	1.56 ± 0.108	- ± -	0.202	-	-
Propazine	µg/l	0.833 ± 0.047	- ± -	0.108	-	-
Sum Chlordane	µg/l	- ± -	- ± -	-	-	-
Sum DDD	µg/l	- ± -	- ± -	-	-	-
Sum DDE	µg/l	- ± -	- ± -	-	-	-
Sum DDT	µg/l	- ± -	- ± -	-	-	-
Sum Endosulfan	µg/l	- ± -	- ± -	-	-	-
Thiacloprid	µg/l	1.13 ± 0.106	1.23 ± 0.18	0.158	109	0.65
Thiamethoxam	µg/l	1.4 ± 0.0245	1.37 ± 0.21	0.239	97.5	-0.14


Sample
H117 A
H117 B
Atrazine
Clothianidin
Imidacloprid
Thiacloprid
Thiamethoxam
Measurand
-2
0
2
-2
0
2
Z-Score

Sample: H117A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Acetamiprid	µg/l	- ± -	0.303 ± 0.045	-	-	-
Aldrin	µg/l	0.084 ± 0.0243	- ± -	0.0252	-	-
Atrazine	µg/l	0.242 ± 0.0115	0.241 ± 0.036	0.0266	99.7	-0.01
Atrazine-desethyl	µg/l	0.563 ± 0.0319	- ± -	0.0675	-	-
Atrazine-desisopropyl	µg/l	0.279 ± 0.00831	- ± -	0.039	-	-
Bromacil	µg/l	0.419 ± 0.0105	- ± -	0.0586	-	-
Clothianidin	µg/l	0.195 ± 0.00864	0.186 ± 0.028	0.0215	95.2	-0.16
Cyanazine	µg/l	- ± -	- ± -	-	-	-
Dieldrin	µg/l	- ± -	- ± -	-	-	-
Dinotefurane	µg/l	- ± -	0.29 ± 0.043	-	-	-
Endrin	µg/l	- ± -	- ± -	-	-	-
Heptachlor	µg/l	- ± -	- ± -	-	-	-
Imidacloprid	µg/l	0.212 ± 0.00461	0.222 ± 0.033	0.0319	105	0.14
Lindane (Gamma-HCH)	µg/l	- ± -	- ± -	-	-	-
Nitenpyram	µg/l	- ± -	- ± -	-	-	-
Prometryn	µg/l	0.419 ± 0.0219	- ± -	0.0545	-	-
Propazine	µg/l	0.218 ± 0.00746	- ± -	0.0284	-	-
Sum Chlordane	µg/l	- ± -	- ± -	-	-	-
Sum DDD	µg/l	- ± -	- ± -	-	-	-
Sum DDE	µg/l	- ± -	- ± -	-	-	-
Sum DDT	µg/l	- ± -	- ± -	-	-	-
Sum Endosulfan	µg/l	- ± -	- ± -	-	-	-
Thiacloprid	µg/l	0.36 ± 0.0247	0.403 ± 0.06	0.0505	112	0.35

Summary of results Pesticides H117 - En-Score

Labcode: LC0016

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Thiamethoxam	µg/l	0.249 ± 0.0129	0.264 ± 0.04	0.0424	106	0.18

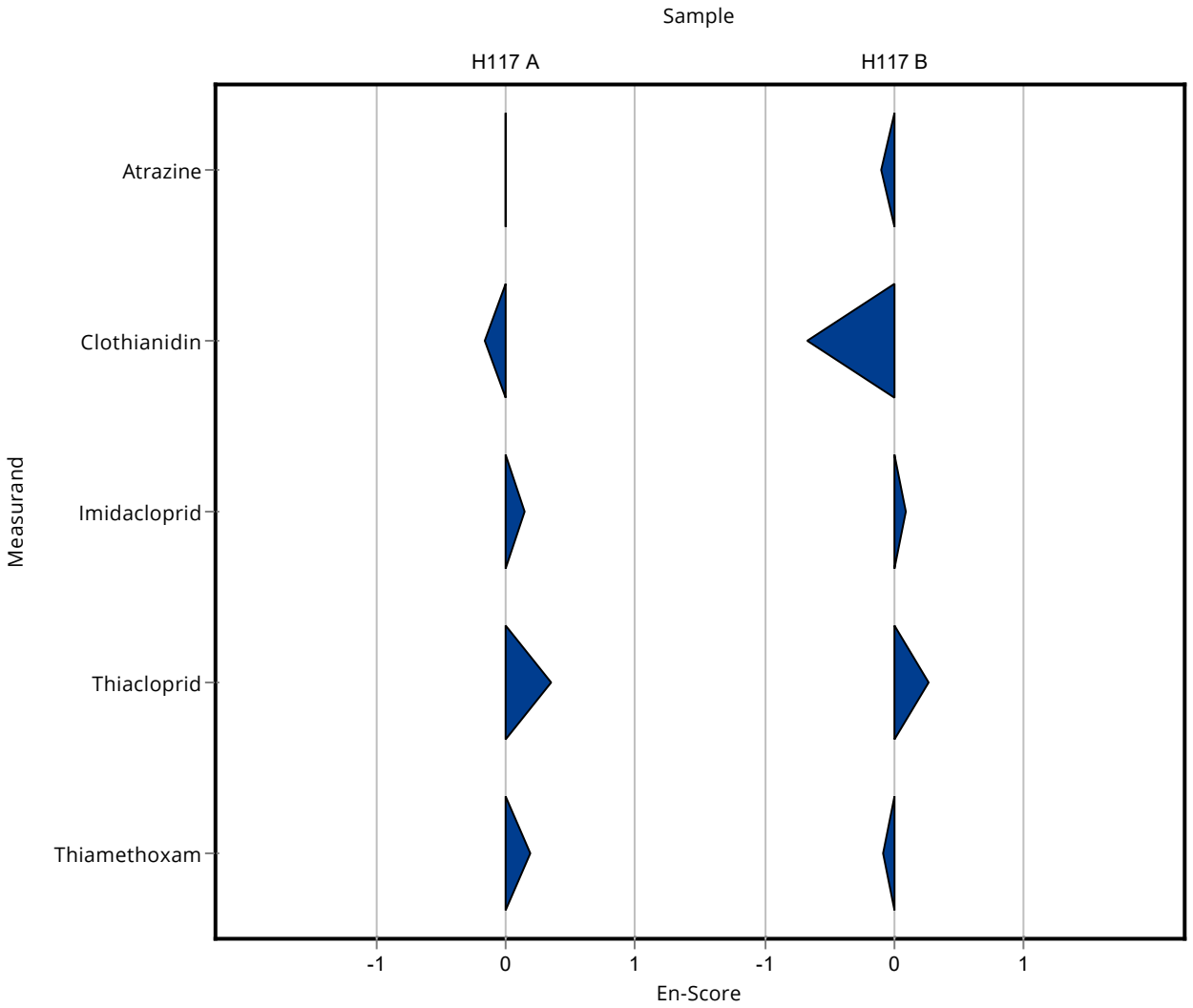
Sample: H117B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Acetamiprid	µg/l	- ± -	1.02 ± 0.15	-	-	-
Aldrin	µg/l	0.251 ± 0.0451	- ± -	0.0754	-	-
Atrazine	µg/l	1 ± 0.0233	0.973 ± 0.146	0.11	97.1	-0.10
Atrazine-desethyl	µg/l	1.64 ± 0.102	- ± -	0.197	-	-
Atrazine-desisopropyl	µg/l	1.31 ± 0.0528	- ± -	0.183	-	-
Bromacil	µg/l	1.19 ± 0.126	- ± -	0.166	-	-
Clothianidin	µg/l	2.03 ± 0.138	1.68 ± 0.25	0.223	82.8	-0.67
Cyanazine	µg/l	- ± -	- ± -	-	-	-
Dieldrin	µg/l	- ± -	- ± -	-	-	-
Dinotefurane	µg/l	- ± -	2.1 ± 0.32	-	-	-
Endrin	µg/l	- ± -	- ± -	-	-	-
Heptachlor	µg/l	- ± -	- ± -	-	-	-
Imidacloprid	µg/l	1.06 ± 0.068	1.09 ± 0.16	0.159	103	0.09
Lindane (Gamma-HCH)	µg/l	- ± -	- ± -	-	-	-
Nitenpyram	µg/l	- ± -	- ± -	-	-	-
Prometryn	µg/l	1.56 ± 0.108	- ± -	0.202	-	-
Propazine	µg/l	0.833 ± 0.047	- ± -	0.108	-	-
Sum Chlordane	µg/l	- ± -	- ± -	-	-	-
Sum DDD	µg/l	- ± -	- ± -	-	-	-
Sum DDE	µg/l	- ± -	- ± -	-	-	-
Sum DDT	µg/l	- ± -	- ± -	-	-	-

Summary of results Pesticides H117 - En-Score

Labcode: LC0016

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Sum Endosulfan	µg/l	- ± -	- ± -	-	-	-
Thiacloprid	µg/l	1.13 ± 0.106	1.23 ± 0.18	0.158	109	0.27
Thiamethoxam	µg/l	1.4 ± 0.0245	1.37 ± 0.21	0.239	97.5	-0.08



Summary of results Pesticides H117

Labcode: LC0017

Sample: H117A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Acetamiprid	µg/l	- ± -	- ± -	-	-	-
Aldrin	µg/l	0.084 ± 0.0243	0.034 ± 0.0095	0.0252	40.5	-1.98
Atrazine	µg/l	0.242 ± 0.0115	0.208 ± 0.0341	0.0266	86.1	-1.27
Atrazine-desethyl	µg/l	0.563 ± 0.0319	0.228 ± 0.031	0.0675	40.5	-4.96
Atrazine-desisopropyl	µg/l	0.279 ± 0.00831	0.163 ± 0.0523	0.039	58.5	-2.97
Bromacil	µg/l	0.419 ± 0.0105	- ± -	0.0586	-	-
Clothianidin	µg/l	0.195 ± 0.00864	- ± -	0.0215	-	-
Cyanazine	µg/l	- ± -	- ± -	-	-	-
Dieldrin	µg/l	- ± -	0.101 ± 0.0129	-	-	-
Dinotefurane	µg/l	- ± -	- ± -	-	-	-
Endrin	µg/l	- ± -	0.108 ± 0.0202	-	-	-
Heptachlor	µg/l	- ± -	- ± -	-	-	-
Imidacloprid	µg/l	0.212 ± 0.00461	- ± -	0.0319	-	-
Lindane (Gamma-HCH)	µg/l	- ± -	0.072 ± 0.0146	-	-	-
Nitenpyram	µg/l	- ± -	- ± -	-	-	-
Prometryn	µg/l	0.419 ± 0.0219	0.404 ± 0.0654	0.0545	96.4	-0.28
Propazine	µg/l	0.218 ± 0.00746	0.219 ± 0.0062	0.0284	100	0.03
Sum Chlordane	µg/l	- ± -	- ± -	-	-	-
Sum DDD	µg/l	- ± -	0.152 ± 0.0163	-	-	-
Sum DDE	µg/l	- ± -	0.169 ± 0.0451	-	-	-
Sum DDT	µg/l	- ± -	0.137 ± 0.0294	-	-	-
Sum Endosulfan	µg/l	- ± -	0.129 ± 0.0348	-	-	-
Thiacloprid	µg/l	0.36 ± 0.0247	- ± -	0.0505	-	-
Thiamethoxam	µg/l	0.249 ± 0.0129	- ± -	0.0424	-	-

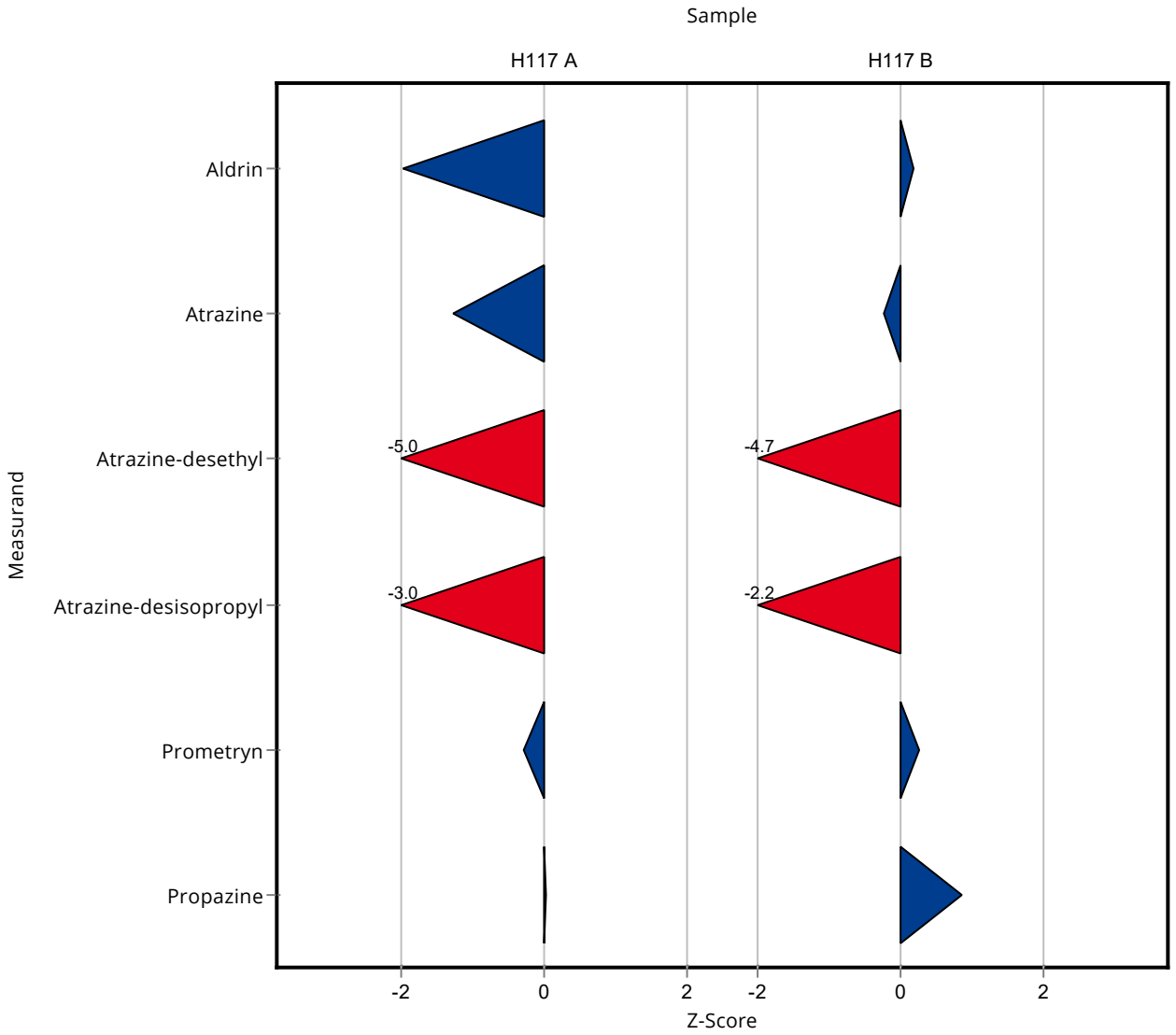
Sample: H117B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Acetamiprid	µg/l	- ± -	- ± -	-	-	-
Aldrin	µg/l	0.251 ± 0.0451	0.265 ± 0.074	0.0754	106	0.18
Atrazine	µg/l	1 ± 0.0233	0.977 ± 0.1602	0.11	97.5	-0.23

Summary of results Pesticides H117

Labcode: LC0017

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Atrazine-desethyl	µg/l	1.64 ± 0.102	0.725 ± 0.0987	0.197	44.2	-4.65
Atrazine-desisopropyl	µg/l	1.31 ± 0.0528	0.912 ± 0.2928	0.183	69.7	-2.16
Bromacil	µg/l	1.19 ± 0.126	- ± -	0.166	-	-
Clothianidin	µg/l	2.03 ± 0.138	- ± -	0.223	-	-
Cyanazine	µg/l	- ± -	- ± -	-	-	-
Dieldrin	µg/l	- ± -	0.475 ± 0.0609	-	-	-
Dinotefurane	µg/l	- ± -	- ± -	-	-	-
Endrin	µg/l	- ± -	0.567 ± 0.1061	-	-	-
Heptachlor	µg/l	- ± -	- ± -	-	-	-
Imidacloprid	µg/l	1.06 ± 0.068	- ± -	0.159	-	-
Lindane (Gamma-HCH)	µg/l	- ± -	0.395 ± 0.0802	-	-	-
Nitenpyram	µg/l	- ± -	- ± -	-	-	-
Prometryn	µg/l	1.56 ± 0.108	1.607 ± 0.26	0.202	103	0.25
Propazine	µg/l	0.833 ± 0.047	0.927 ± 0.1199	0.108	111	0.87
Sum Chlordane	µg/l	- ± -	- ± -	-	-	-
Sum DDD	µg/l	- ± -	0.743 ± 0.0795	-	-	-
Sum DDE	µg/l	- ± -	0.515 ± 0.1375	-	-	-
Sum DDT	µg/l	- ± -	0.731 ± 0.1567	-	-	-
Sum Endosulfan	µg/l	- ± -	0.537 ± 0.145	-	-	-
Thiacloprid	µg/l	1.13 ± 0.106	- ± -	0.158	-	-
Thiamethoxam	µg/l	1.4 ± 0.0245	- ± -	0.239	-	-


Sample
H117 A
H117 B
Aldrin
Atrazine
Atrazine-desethyl
Atrazine-desisopropyl
Prometryn
Propazine
Measurand
-5.0
-4.7
-3.0
-2.2
-2
0
2
-2
0
2
Z-Score

Sample: H117A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Acetamiprid	µg/l	- ± -	- ± -	-	-	-
Aldrin	µg/l	0.084 ± 0.0243	0.034 ± 0.0095	0.0252	40.5	-1.62
Atrazine	µg/l	0.242 ± 0.0115	0.208 ± 0.0341	0.0266	86.1	-0.49
Atrazine-desethyl	µg/l	0.563 ± 0.0319	0.228 ± 0.031	0.0675	40.5	-4.80
Atrazine-desisopropyl	µg/l	0.279 ± 0.00831	0.163 ± 0.0523	0.039	58.5	-1.10
Bromacil	µg/l	0.419 ± 0.0105	- ± -	0.0586	-	-
Clothianidin	µg/l	0.195 ± 0.00864	- ± -	0.0215	-	-
Cyanazine	µg/l	- ± -	- ± -	-	-	-
Dieldrin	µg/l	- ± -	0.101 ± 0.0129	-	-	-
Dinotefurane	µg/l	- ± -	- ± -	-	-	-
Endrin	µg/l	- ± -	0.108 ± 0.0202	-	-	-
Heptachlor	µg/l	- ± -	- ± -	-	-	-
Imidacloprid	µg/l	0.212 ± 0.00461	- ± -	0.0319	-	-
Lindane (Gamma-HCH)	µg/l	- ± -	0.072 ± 0.0146	-	-	-
Nitenpyram	µg/l	- ± -	- ± -	-	-	-
Prometryn	µg/l	0.419 ± 0.0219	0.404 ± 0.0654	0.0545	96.4	-0.11
Propazine	µg/l	0.218 ± 0.00746	0.219 ± 0.0062	0.0284	100	0.06
Sum Chlordane	µg/l	- ± -	- ± -	-	-	-
Sum DDD	µg/l	- ± -	0.152 ± 0.0163	-	-	-
Sum DDE	µg/l	- ± -	0.169 ± 0.0451	-	-	-
Sum DDT	µg/l	- ± -	0.137 ± 0.0294	-	-	-
Sum Endosulfan	µg/l	- ± -	0.129 ± 0.0348	-	-	-
Thiacloprid	µg/l	0.36 ± 0.0247	- ± -	0.0505	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Thiamethoxam	µg/l	0.249 ± 0.0129	- ± -	0.0424	-	-

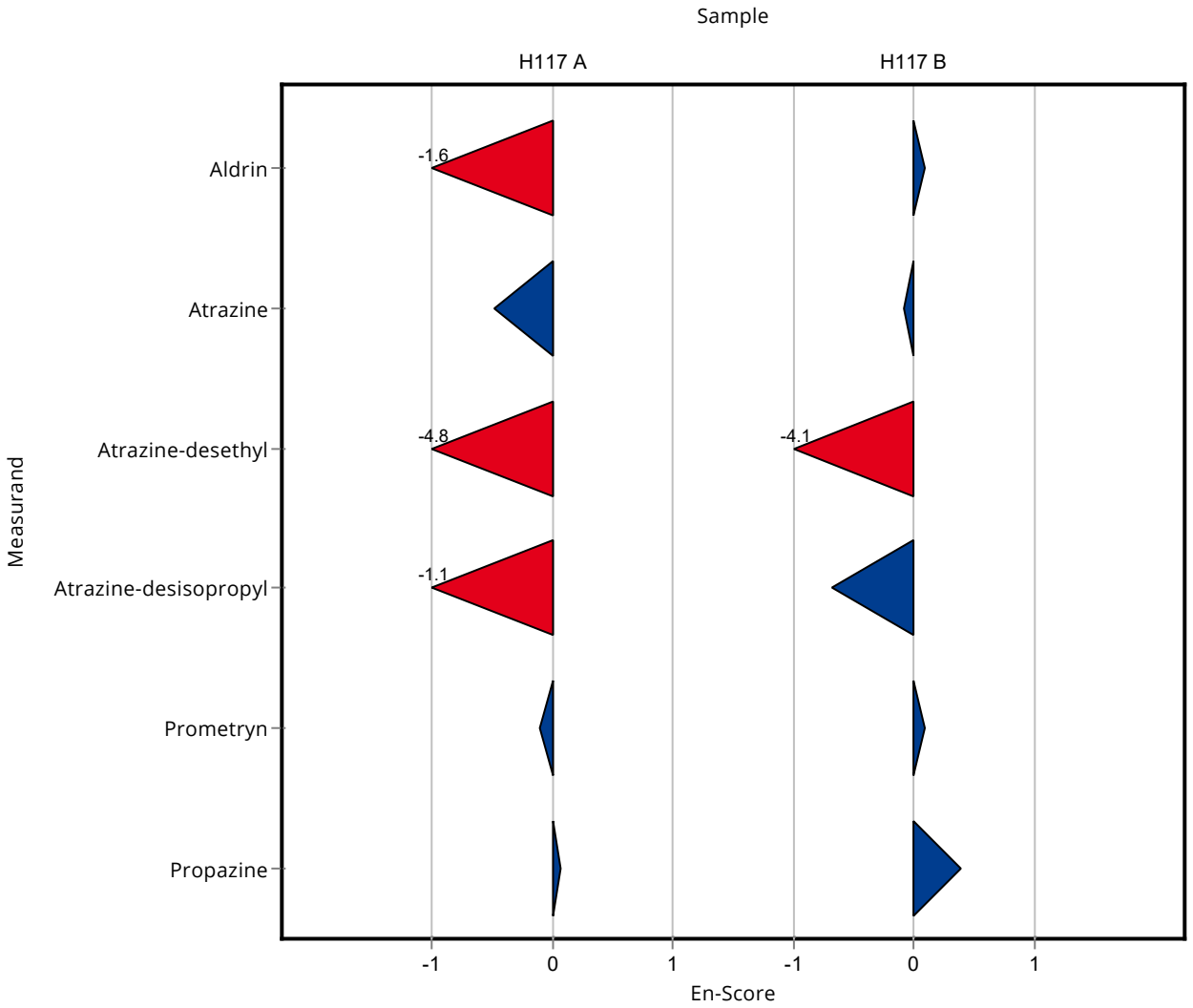
Sample: H117B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Acetamiprid	µg/l	- ± -	- ± -	-	-	-
Aldrin	µg/l	0.251 ± 0.0451	0.265 ± 0.074	0.0754	106	0.09
Atrazine	µg/l	1 ± 0.0233	0.977 ± 0.1602	0.11	97.5	-0.08
Atrazine-desethyl	µg/l	1.64 ± 0.102	0.725 ± 0.0987	0.197	44.2	-4.13
Atrazine-desisopropyl	µg/l	1.31 ± 0.0528	0.912 ± 0.2928	0.183	69.7	-0.67
Bromacil	µg/l	1.19 ± 0.126	- ± -	0.166	-	-
Clothianidin	µg/l	2.03 ± 0.138	- ± -	0.223	-	-
Cyanazine	µg/l	- ± -	- ± -	-	-	-
Dieldrin	µg/l	- ± -	0.475 ± 0.0609	-	-	-
Dinotefurane	µg/l	- ± -	- ± -	-	-	-
Endrin	µg/l	- ± -	0.567 ± 0.1061	-	-	-
Heptachlor	µg/l	- ± -	- ± -	-	-	-
Imidacloprid	µg/l	1.06 ± 0.068	- ± -	0.159	-	-
Lindane (Gamma-HCH)	µg/l	- ± -	0.395 ± 0.0802	-	-	-
Nitenpyram	µg/l	- ± -	- ± -	-	-	-
Prometryn	µg/l	1.56 ± 0.108	1.607 ± 0.26	0.202	103	0.10
Propazine	µg/l	0.833 ± 0.047	0.927 ± 0.1199	0.108	111	0.38
Sum Chlordane	µg/l	- ± -	- ± -	-	-	-
Sum DDD	µg/l	- ± -	0.743 ± 0.0795	-	-	-
Sum DDE	µg/l	- ± -	0.515 ± 0.1375	-	-	-
Sum DDT	µg/l	- ± -	0.731 ± 0.1567	-	-	-

Summary of results Pesticides H117 - En-Score

Labcode: LC0017

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Sum Endosulfan	µg/l	- ± -	0.537 ± 0.145	-	-	-
Thiacloprid	µg/l	1.13 ± 0.106	- ± -	0.158	-	-
Thiamethoxam	µg/l	1.4 ± 0.0245	- ± -	0.239	-	-



E9. Methodenübersicht / Overview of methods

LabCode	Sample	Acetamiprid	Aldrin	Atrazine	Atrazine-desethyl	Atrazine-desisopropyl	Bromacil
LC0001	**H117A**	LC-MS/MS direct;			LC-MS/MS direct;	LC-MS/MS direct;	LC-MS/MS direct;
LC0002	**H117A**	LC-MS/MS; Report 2019/07	GC-MS/MS; Report 2019/07	LC-MS/MS; Report 2019/07	LC-MS/MS; Report 2019/07	LC-MS/MS; Report 2019/07	LC-MS/MS; Report 2019/07
LC0003	**H117A**						
LC0004	**H117A**		GC-ECD (LLE); EN ISO 6468	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
LC0005	**H117A**			LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36		LC-MS/MS direct; DIN 38407-36
LC0006	**H117A**		SPME-GC-MS/MS;				
LC0007	**H117A**			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
LC0008	**H117A**			LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36
LC0009	**H117A**		GC-ECD (LLE); EN ISO 6468	GC-MS (LLE); house method (SOP)			
LC0010	**H117A**	LC-MS/MS;		LC-MS/MS;	LC-MS/MS;	LC-MS/MS;	
LC0011	**H117A**		GC-MS (LLE); DIN 38407-37	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
LC0012	**H117A**			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
LC0013	**H117A**	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	LC-MS/MS direct; DIN 38407-36
LC0014	**H117A**	SPE-LC-MS/MS;		SPE-LC-MS/MS;			
LC0015	**H117A**			LC-MS/MS direct;	LC-MS/MS direct;	LC-MS/MS direct;	
LC0016	**H117A**	SPE-LC-MS/MS; (HPLC-ESI-MS/MS post SPE, house method)		SPE-LC-MS/MS; (HPLC-ESI-MS/MS post SPE, house method)			
LC0017	**H117A**		GC-MS/MS (LLE); DIN 38407-37 (LLE)	SPE-GC-MS/MS; house method (SPE)	SPE-GC-MS/MS; house method (SPE)	SPE-GC-MS/MS; house method (SPE)	

LabCode	Sample	Clothianidin	Cyanazine	Dieldrin	Dinotefurane	Endrin	Heptachlor
LC0001	**H117A**	LC-MS/MS direct;					
LC0002	**H117A**	LC-MS/MS; Report 2019/07	LC-MS/MS; Report 2019/07	GC-MS/MS; Report 2019/07	LC-MS/MS; Report 2019/07	GC-MS/MS; Report 2019/07	GC-MS/MS; Report 2019/07
LC0003	**H117A**	LC-HRMS;					
LC0004	**H117A**	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36	GC-ECD (LLE); EN ISO 6468			GC-ECD (LLE); EN ISO 6468
LC0005	**H117A**						
LC0006	**H117A**			SPME-GC-MS/MS;		SPME-GC-MS/MS;	SPME-GC-MS/MS;
LC0007	**H117A**	LC-MS/MS direct; DIN 38407-36					
LC0008	**H117A**		LC-MS/MS direct; DIN 38407-36				
LC0009	**H117A**			GC-ECD (LLE); EN ISO 6468		GC-ECD (LLE); EN ISO 6468	GC-ECD (LLE); EN ISO 6468
LC0010	**H117A**			GC-MS/MS;			GC-MS/MS;
LC0011	**H117A**	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36	GC-MS (LLE); DIN 38407-37			GC-MS (LLE); DIN 38407-37
LC0012	**H117A**	LC-MS/MS direct; DIN 38407-36					
LC0013	**H117A**	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36				
LC0014	**H117A**	SPE-LC-MS/MS;					
LC0015	**H117A**	LC-MS/MS direct;					
LC0016	**H117A**	SPE-LC-MS/MS; (HPLC-ESI-MS/MS post SPE, house method)			SPE-LC-MS/MS; (HPLC-ESI-MS/MS post SPE, house method)		
LC0017	**H117A**			GC-MS/MS (LLE); DIN 38407-37 (LLE)		GC-MS/MS (LLE); DIN 38407-37 (LLE)	

LabCode	Sample	Imidacloprid	Lindane (Gamma-HCH)	Nitenpyram	Prometryn	Propazine	Sum Chlordane
LC0001	**H117A**	LC-MS/MS direct;					
LC0002	**H117A**	LC-MS/MS; Report 2019/07	GC-MS/MS; Report 2019/07	LC-MS/MS; Report 2019/07	LC-MS/MS; Report 2019/07	LC-MS/MS; Report 2019/07	
LC0003	**H117A**	LC-HRMS;					
LC0004	**H117A**	LC-MS/MS direct; DIN 38407-36			LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36	
LC0005	**H117A**				LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36	
LC0006	**H117A**		SPME-GC-MS/MS;				
LC0007	**H117A**	LC-MS/MS direct; DIN 38407-36				LC-MS/MS direct; DIN 38407-36	
LC0008	**H117A**				LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36	
LC0009	**H117A**		GC-ECD (LLE); EN ISO 6468		GC-MS (LLE); house method (SOP)	GC-MS (LLE); house method (SOP)	
LC0010	**H117A**	LC-MS/MS;	GC-MS/MS;				
LC0011	**H117A**	LC-MS/MS direct; DIN 38407-36			LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36	
LC0012	**H117A**	LC-MS/MS direct; DIN 38407-36					
LC0013	**H117A**	LC-MS/MS direct; DIN 38407-36			LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36	
LC0014	**H117A**	SPE-LC-MS/MS;					
LC0015	**H117A**	LC-MS/MS direct;					
LC0016	**H117A**	SPE-LC-MS/MS; (HPLC-ESI-MS/MS post SPE, house method)					
LC0017	**H117A**		GC-MS/MS (LLE); DIN 38407-37 (LLE)		SPE-GC-MS/MS; house method (SPE)	SPE-GC-MS/MS; house method (SPE)	

LabCode	Sample	Sum DDD	Sum DDE	Sum DDT	Sum Endosulfan	Thiacloprid	Thiamethoxam
LC0001	**H117A**					LC-MS/MS direct;	LC-MS/MS direct;
LC0002	**H117A**				GC-MS/MS; Report 2019/07	LC-MS/MS; Report 2019/07	LC-MS/MS; Report 2019/07
LC0003	**H117A**						LC-HRMS;
LC0004	**H117A**					LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36
LC0005	**H117A**						
LC0006	**H117A**	SPME-GC-MS/MS;	SPME-GC-MS/MS;	SPME-GC-MS/MS;	SPME-GC-MS/MS;		
LC0007	**H117A**					LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36
LC0008	**H117A**						
LC0009	**H117A**	GC-ECD (LLE); EN ISO 6468	GC-ECD (LLE); EN ISO 6468	GC-ECD (LLE); EN ISO 6468	GC-ECD (LLE); EN ISO 6468		
LC0010	**H117A**	GC-MS/MS;	GC-MS/MS;	GC-MS/MS;	GC-MS/MS;	LC-MS/MS;	
LC0011	**H117A**					LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36
LC0012	**H117A**					LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36
LC0013	**H117A**					LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36
LC0014	**H117A**					SPE-LC-MS/MS;	SPE-LC-MS/MS;
LC0015	**H117A**					LC-MS/MS direct;	LC-MS/MS direct;
LC0016	**H117A**					SPE-LC-MS/MS; (HPLC-ESI-MS/MS post SPE, house method)	SPE-LC-MS/MS; (HPLC-ESI-MS/MS post SPE, house method)
LC0017	**H117A**	GC-MS/MS (LLE); DIN 38407-37 (LLE)	GC-MS/MS (LLE); DIN 38407-37 (LLE)	GC-MS/MS (LLE); DIN 38407-37 (LLE)	GC-MS/MS (LLE); DIN 38407-37 (LLE)		

LabCode	Sample	Acetamiprid	Aldrin	Atrazine	Atrazine-desethyl	Atrazine-desisopropyl	Bromacil
LC0001	**H117B**	LC-MS/MS direct;			LC-MS/MS direct;	LC-MS/MS direct;	LC-MS/MS direct;
LC0002	**H117B**	LC-MS/MS; Report 2019/07	GC-MS/MS; Report 2019/07	LC-MS/MS; Report 2019/07	LC-MS/MS; Report 2019/07	LC-MS/MS; Report 2019/07	LC-MS/MS; Report 2019/07
LC0003	**H117B**						
LC0004	**H117B**		GC-ECD (LLE); EN ISO 6468	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36	
LC0005	**H117B**			LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36		LC-MS/MS direct; DIN 38407-36
LC0006	**H117B**		SPME-GC-MS/MS;				
LC0007	**H117B**			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
LC0008	**H117B**			LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36
LC0009	**H117B**		GC-ECD (LLE); EN ISO 6468	GC-MS (LLE); house method (SOP)			
LC0010	**H117B**	LC-MS/MS;	GC-MS/MS;	LC-MS/MS;	LC-MS/MS;	LC-MS/MS;	
LC0011	**H117B**		GC-MS (LLE); DIN 38407-37	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
LC0012	**H117B**			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
LC0013	**H117B**	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	LC-MS/MS direct; DIN 38407-36
LC0014	**H117B**	SPE-LC-MS/MS;		SPE-LC-MS/MS;			
LC0015	**H117B**			LC-MS/MS direct;	LC-MS/MS direct;	LC-MS/MS direct;	
LC0016	**H117B**	SPE-LC-MS/MS; (HPLC-ESI-MS/MS post SPE, house method)		SPE-LC-MS/MS; (HPLC-ESI-MS/MS post SPE, house method)			
LC0017	**H117B**		GC-MS/MS (LLE); DIN 38407-37 (LLE)	SPE-GC-MS/MS; house method (SPE)	SPE-GC-MS/MS; house method (SPE)	SPE-GC-MS/MS; house method (SPE)	

LabCode	Sample	Clothianidin	Cyanazine	Dieldrin	Dinotefurane	Endrin	Heptachlor
LC0001	**H117B**	LC-MS/MS direct;					
LC0002	**H117B**	LC-MS/MS; Report 2019/07	LC-MS/MS; Report 2019/07	GC-MS/MS; Report 2019/07	LC-MS/MS; Report 2019/07	GC-MS/MS; Report 2019/07	GC-MS/MS; Report 2019/07
LC0003	**H117B**	LC-HRMS;					
LC0004	**H117B**	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36	GC-ECD (LLE); EN ISO 6468			GC-ECD (LLE); EN ISO 6468
LC0005	**H117B**						
LC0006	**H117B**			SPME-GC-MS/MS;		SPME-GC-MS/MS;	SPME-GC-MS/MS;
LC0007	**H117B**	LC-MS/MS direct; DIN 38407-36					
LC0008	**H117B**		LC-MS/MS direct; DIN 38407-36				
LC0009	**H117B**			GC-ECD (LLE); EN ISO 6468		GC-ECD (LLE); EN ISO 6468	GC-ECD (LLE); EN ISO 6468
LC0010	**H117B**			GC-MS/MS;			GC-MS/MS;
LC0011	**H117B**	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36	GC-MS (LLE); DIN 38407-37			GC-MS (LLE); DIN 38407-37
LC0012	**H117B**	LC-MS/MS direct; DIN 38407-36					
LC0013	**H117B**	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36				
LC0014	**H117B**	SPE-LC-MS/MS;					
LC0015	**H117B**	LC-MS/MS direct;					
LC0016	**H117B**	SPE-LC-MS/MS; (HPLC-ESI-MS/MS post SPE, house method)			SPE-LC-MS/MS; (HPLC-ESI-MS/MS post SPE, house method)		
LC0017	**H117B**			GC-MS/MS (LLE); DIN 38407-37 (LLE)		GC-MS/MS (LLE); DIN 38407-37 (LLE)	

LabCode	Sample	Imidacloprid	Lindane (Gamma-HCH)	Nitenpyram	Prometryn	Propazine	Sum Chlordane
LC0001	**H117B**	LC-MS/MS direct;					
LC0002	**H117B**	LC-MS/MS; Report 2019/07	GC-MS/MS; Report 2019/07	LC-MS/MS; Report 2019/07	LC-MS/MS; Report 2019/07	LC-MS/MS; Report 2019/07	
LC0003	**H117B**	LC-HRMS;					
LC0004	**H117B**	LC-MS/MS direct; DIN 38407-36			LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36	
LC0005	**H117B**				LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36	
LC0006	**H117B**		SPME-GC-MS/MS;				
LC0007	**H117B**	LC-MS/MS direct; DIN 38407-36				LC-MS/MS direct; DIN 38407-36	
LC0008	**H117B**				LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36	
LC0009	**H117B**		GC-ECD (LLE); EN ISO 6468		GC-MS (LLE); house method (SOP)	GC-MS (LLE); house method (SOP)	
LC0010	**H117B**	LC-MS/MS;	GC-MS/MS;				
LC0011	**H117B**	LC-MS/MS direct; DIN 38407-36			LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36	
LC0012	**H117B**	LC-MS/MS direct; DIN 38407-36					
LC0013	**H117B**	LC-MS/MS direct; DIN 38407-36			LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36	
LC0014	**H117B**	SPE-LC-MS/MS;					
LC0015	**H117B**	LC-MS/MS direct;					
LC0016	**H117B**	SPE-LC-MS/MS; (HPLC-ESI-MS/MS post SPE, house method)					
LC0017	**H117B**		GC-MS/MS (LLE); DIN 38407-37 (LLE)		SPE-GC-MS/MS; house method (SPE)	SPE-GC-MS/MS; house method (SPE)	

LabCode	Sample	Sum DDD	Sum DDE	Sum DDT	Sum Endosulfan	Thiacloprid	Thiamethoxam
LC0001	**H117B**					LC-MS/MS direct;	LC-MS/MS direct;
LC0002	**H117B**				GC-MS/MS; Report 2019/07	LC-MS/MS; Report 2019/07	LC-MS/MS; Report 2019/07
LC0003	**H117B**						LC-HRMS;
LC0004	**H117B**					LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36
LC0005	**H117B**						
LC0006	**H117B**	SPME-GC-MS/MS;	SPME-GC-MS/MS;	SPME-GC-MS/MS;	SPME-GC-MS/MS;		
LC0007	**H117B**					LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36
LC0008	**H117B**						
LC0009	**H117B**	GC-ECD (LLE); EN ISO 6468	GC-ECD (LLE); EN ISO 6468	GC-ECD (LLE); EN ISO 6468	GC-ECD (LLE); EN ISO 6468		
LC0010	**H117B**	GC-MS/MS;	GC-MS/MS;	GC-MS/MS;	GC-MS/MS;	LC-MS/MS;	
LC0011	**H117B**					LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36
LC0012	**H117B**					LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36
LC0013	**H117B**					LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36
LC0014	**H117B**					SPE-LC-MS/MS;	SPE-LC-MS/MS;
LC0015	**H117B**					LC-MS/MS direct;	LC-MS/MS direct;
LC0016	**H117B**					SPE-LC-MS/MS; (HPLC-ESI-MS/MS post SPE, house method)	SPE-LC-MS/MS; (HPLC-ESI-MS/MS post SPE, house method)
LC0017	**H117B**	GC-MS/MS (LLE); DIN 38407-37 (LLE)	GC-MS/MS (LLE); DIN 38407-37 (LLE)	GC-MS/MS (LLE); DIN 38407-37 (LLE)	GC-MS/MS (LLE); DIN 38407-37 (LLE)		