

Proficiency Testing Scheme für die Wasseranalytik - Realproben H119 Herbizide/Pestizide

Proficiency Testing Scheme for Water Analysis - natural water samples H119 Herbicides/Pesticides

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

Inhaltsverzeichnis / Table of Contents

| | |
|---|----|
| D1. Beschreibung des Ringversuchs..... | 5 |
| D1.1. Ausgestaltung und Durchführung | 5 |
| D1.2. Beschreibung der Prüfgegenstände | 5 |
| D1.3. Anweisungen für die Teilnehmenden..... | 6 |
| D1.4. Kontrollanalytik zur Bewertung der Homogenität | 6 |
| D1.5. Trendtest zur Bewertung der Stabilität..... | 6 |
| D1.6. Ermittlung des zugewiesenen Wertes..... | 7 |
| D2. Kriterien der Leistungsbewertung | 8 |
| D2.1. Leistungskriterium z-Score..... | 8 |
| D2.2. Leistungskriterium E _n -Score | 8 |
| D2.3. Leistungsbewertung z-Score und E _n -Score..... | 9 |
| D3. Darstellung und Interpretation der Messergebnisse..... | 9 |
| D4. Anmerkungen zur Auswertung..... | 10 |
| D5. Erläuterung zu Tabellen und Grafiken | 12 |
| D5.1. Angaben und Abkürzungen in Tabellen..... | 12 |
| D5.2. Graphische Darstellung der Ergebnisse | 14 |
| D6. Zusammenfassung | 17 |
| D6.1. Tabelle der zugewiesenen Werte | 17 |
| D6.2. Zusammenfassung der ausreißerbereinigten Ringversuchsergebnisse .. | 20 |
| E1. Description of the proficiency test | 23 |
| E1.1. Design and implementation | 23 |
| E1.2. Description of the proficiency test items | 23 |
| E1.3. Instructions for the participants..... | 24 |
| E1.4. Control testing for homogeneity evaluation..... | 24 |
| E1.5. Trend test for stability evaluation | 24 |
| E1.6. Determination of the assigned values..... | 25 |
| E2. Criteria of performance evaluation | 26 |
| E2.1. Performance criterion z-Score | 26 |
| E2.2. Performance criterion E _n -Score | 26 |
| E2.3. Performance evaluation z-Score and E _n -Score | 27 |
| E3. Representation and interpretation of measurement results..... | 27 |
| E4. Explanatory notes | 28 |

| | |
|--|-----|
| E5. Annotations on tables and charts | 30 |
| E5.1. Information and abbreviations in tables | 30 |
| E5.2. Graphical presentation of results | 32 |
| E6. Summary | 35 |
| E6.1. Table of assigned values | 35 |
| E6.2. Summary of results, after removal of outliers..... | 38 |
| E7. Parameterorientierte Auswertung / Parameter oriented report..... | 40 |
| E8. Labororientierte Auswertung / Laboratory oriented report..... | 209 |
| E9. Methodenübersicht / Overview of methods | 314 |

D1. Beschreibung des Ringversuchs

D1.1. Ausgestaltung und Durchführung

- Anzahl der Anmeldungen: 15
- Anzahl der übermittelten Datensätze: 14
- Probenversand: 18.06.2024
- Einsendeschluss der Daten: 23.07.2024

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 13.06.2024. Das Probenmaterial umfasste:

- 1 Probe Grundwasser (H119 A)
- 1 Probe Oberflächenwasser (H119 B)

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

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

Die homogenen Prüfgegenstände wurden am 18.06.2024 verschickt.

Jedes teilnehmende Labor erhielt:

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

D1.3. Anweisungen für die Teilnehmenden

Aus Stabilitätsgründen wurde empfohlen bis spätestens 26.06.2024 mit den Analysen zu beginnen.

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

D1.4. Kontrollanalytik zur Bewertung der Homogenität

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

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

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

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

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

D1.5. Trendtest zur Bewertung der Stabilität

Die Bewertung der Stabilität der Prüfgegenstände (Realproben) erfolgte auf Basis der Datenstatistik aus den vergangenen Runden für Realproben im Zeitraum 2013 bis 2023.

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 23.07.2024 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 eingestuft Werte wurden in der Auswertung gekennzeichnet („H“). In begründeten Fällen, z.B. wenn der Ausreißertest nach Hampel nicht anwendbar ist (z.B. Ergebnisse liegen sehr eng beieinander oder überwiegend selber Zahlenwert bzw. bei wenig abgegebenen Daten mit sehr hoher Streuung), kann eine Ausreißereliminierung nach weiteren Kriterien erfolgen (z.B. Dean- und Dixon Test bzw. manuelle Ausreißerdefinition aufgrund Expertenbefund). Diese Vorgangsweise wird nach Anwendung unter Punkt D4 des Berichts dokumentiert.

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

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

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

D2. Kriterien der Leistungsbewertung

D2.1. Leistungskriterium z-Score

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

Die Ermittlung der z-Scores erfolgte gemäß nachfolgender Formel:

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

Dabei ist:

| | |
|------------------|--|
| x_i | Messergebnis des teilnehmenden Labors |
| \bar{X} | zugewiesener Wert Sollwert für die Leistungsbewertung der Teilnehmenden (angegeben auf 3 signifikante Stellen); im Regelfall: ausreißerbereinigter Mittelwert der Ergebnisse der Teilnehmenden. Eine davon abweichende Vorgehensweise wird unter Punkt D4 des Berichts beschrieben. |
| <i>Kriterium</i> | Vergleichsstandardabweichung berechnet aus den Statistiken für reale Wasserproben der vorangegangenen Runden im Zeitraum 2013 bis 2023 (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 |
| \bar{X} | zugewiesener Wert Sollwert für die Leistungsbewertung der Teilnehmenden (angegeben auf 3 signifikante Stellen); im Regelfall: ausreißerbereinigter Mittelwert der Ergebnisse der Teilnehmenden. Eine davon abweichende Vorgehensweise wird unter Punkt D4 des Berichts beschrieben. |
| $U(x_i)$ | erweiterte Messunsicherheit des Messergebnisses (Ergebnisse der Teilnehmenden), $k=2$ |
| $U(\bar{X})$ | erweiterte Messunsicherheit des zugewiesenen Wertes, $k=2$ |

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

Interpretation der z-Scores:

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

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

Interpretation der E_n-Scores:

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

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

D3. Darstellung und Interpretation der Messergebnisse

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

In der labororientierten Auswertung werden pro Labor in anonymisierter Form die Ergebnisse der einzelnen Labore als Messergebnis $\pm U$ sowie die Wiederfindungen

und die ermittelten z-Scores bezugnehmend auf das Kriterium dargestellt. Weiters werden die E_n -Scores unter Berücksichtigung der erweiterten Unsicherheiten in unabhängigen Tabellen ausgegeben. Die labororientierten Auswertungen enthalten jeweils die Bewertungsgrundlagen wie zugewiesener Wert samt erweiterter Messunsicherheit sowie das Kriterium.

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

D4. Anmerkungen zur Auswertung

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

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

Als Ergebnis einer Langzeitauswertung über aktuell 11 Eignungsprüfungsrunden (2013–2023) in Realproben wurden Kriterien (RSDpool) zur Ergebnisbewertung berechnet. Diese wurden im Zuge der Auswertung den relativen Vergleichsstandardabweichungen (vR) des aktuellen Ringversuchs gegenübergestellt.

****Die Bewertung der Chlorthalonil-Metaboliten dient zur Information. Für die mit „**“ gekennzeichneten Parameter liegt keine Akkreditierung gemäß EN ISO/IEC 17043 vor.**

Für folgende Parameter konnte bei Probe H119 A und H119 B aufgrund einer geringen Anzahl an übermittelten gültigen Ergebnissen der Teilnehmenden ($n < 6$) kein zugewiesener Wert berechnet werden. Für diese Parameter wurden zur Information die Mittelwerte aus den akkreditierten Laborergebnissen ermittelt, welche im Rahmen Ihrer internen Qualitätssichernden Maßnahmen (QS) als Vergleichswerte herangezogen werden können:

2,4,5-Trichlorphenoxyessigsäure, Alachlor-Säure (Alachlor-OA), Alachlor-Sulfonsäure (Alachlor-ESA), **Chlorthalonil-4-hydroxy, **Chlorthalonil Metabolit R611965, **Chlorthalonil Metabolit R611968, **Chlorthalonil Metabolit SYN507900, **Chlorthalonil Metabolit SYN548580, **Chlorthalonil Metabolit SYN548581, Dicamba, **Dimethachlor Metabolit CGA369873, Glufosinat.

Probe H119 B Bentazon, Metazachlor-Säure (Metazachlor OA):

Die auf Basis der Ergebnisse der Teilnehmenden berechneten Sollwerte lagen außerhalb der Messunsicherheit des Kontrollwertes und es ist über das Kontrolllabor keine Rückführbarkeit möglich. Der zugewiesene Wert wurde daher über die ausreißerbereinigten Mittelwerte aus der Gruppe der akkreditierten Teilnehmenden berechnet.

H119 A Metazachlor:

Der Großteil der Laborergebnisse lag in einem engen Konzentrationsbereich, daher wurde das als „Hampelausreißer (H99)“ eingestufte Messergebnis auf Vorliegen eines Dean-Dixon-Ausreißers (DD99) geprüft. Die Prüfung ergab, dass das Ergebnis von LC0013 für die Auswertung heranzuziehen ist (kein DD99 Ausreißer).

H119 B s-Metolachlor-Säure (Metolachlor OA):

Der Großteil der Laborergebnisse lag in einem engen Konzentrationsbereich, daher wurden die als „Hampelausreißer (H99)“ eingestuften Messergebnisse (LC0003, LC0008, LC0011) auf Vorliegen von Dean-Dixon-Ausreißers(DD99) geprüft. Die Prüfung ergab, dass die Ergebnisse von LC0003 und LC0011 für die Auswertung heranzuziehen sind (keine DD99 Ausreißer).

Bei allen anderen Parametern erfolgte die Berechnung der Scores nach D2:

Probe H119 A und H119 B: 2,4-Dichlorphenoxyessigsäure, Alachlor, AMPA, Dichlorprop, Glyphosat, MCP (Mecoprop), Metazachlor-Sulfonsäure (Metazachlor ESA), Metolachlor, Metolachlor-Sulfonsäure (Metolachlor-ESA), **Chlorthalonil Metabolit R471811, **Chlorthalonil Sulfonsäure (Chlorthalonil-ESA);

Probe H119 A: Bentazon, Metazachlor-Säure (Metazachlor OA), s-Metolachlor-Säure (Metolachlor OA);

Probe H119 B: Metazachlor.

Zur Bewertung von **Chlorthalonil Metabolit R471811 und **Chlorthalonil Sulfonsäure für Probe H119 A und H119 B wurde die jeweils aktuelle Vergleichsstandardabweichung auf 10 % aufgerundet bzw. auf 2 signifikante Stellen gerundet.

D5. Erläuterung zu Tabellen und Grafiken

D5.1. Angaben und Abkürzungen in Tabellen

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

| | |
|-----------------------|---|
| | Bei 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 Bestimmungsgrenze dessen Betrag die Bedingungen eines Ausreißers nach dem Hampeltest erfüllt. |
| FP | Falsch positiv – Falls aufgrund des geringen Analytgehalts kein zugewiesener Wert ermittelt werden kann (n < 6), wird der Median der Beträge der übermittelten Nachweis- bzw. Bestimmungsgrenzen ermittelt. Als falsch positiv wird ein Messergebnis bewertet, welches diesen Median um mehr als 100 % übersteigt. |
| Standardabweichung | Vergleichsstandardabweichung berechnet aus den Ergebnissen der Teilnehmenden des aktuellen Ringversuchs (angegeben auf 3 signifikante Stellen) |

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

n Anzahl der Messergebnisse

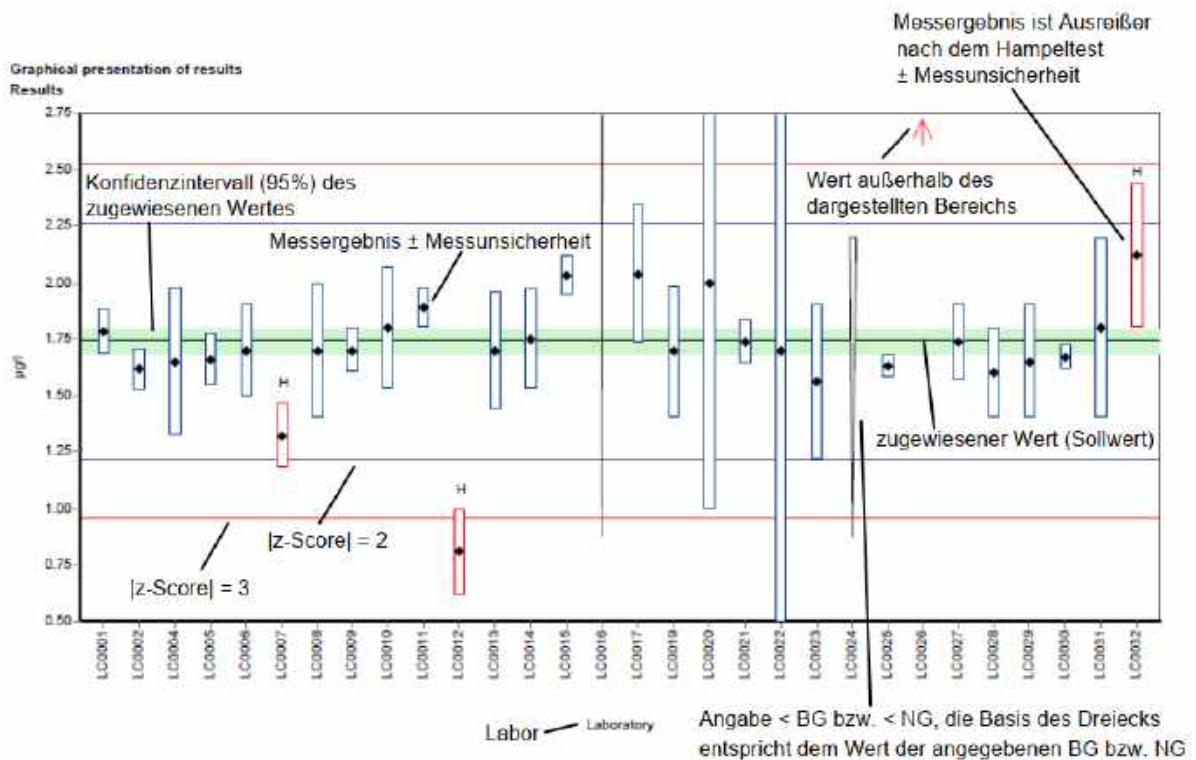
* Kennzeichnung für Hinweise zur Erläuterung

** Kennzeichnung für Parameter außerhalb der Akkreditierung gemäß EN ISO/IEC 17043

D5.2. Graphische Darstellung der Ergebnisse

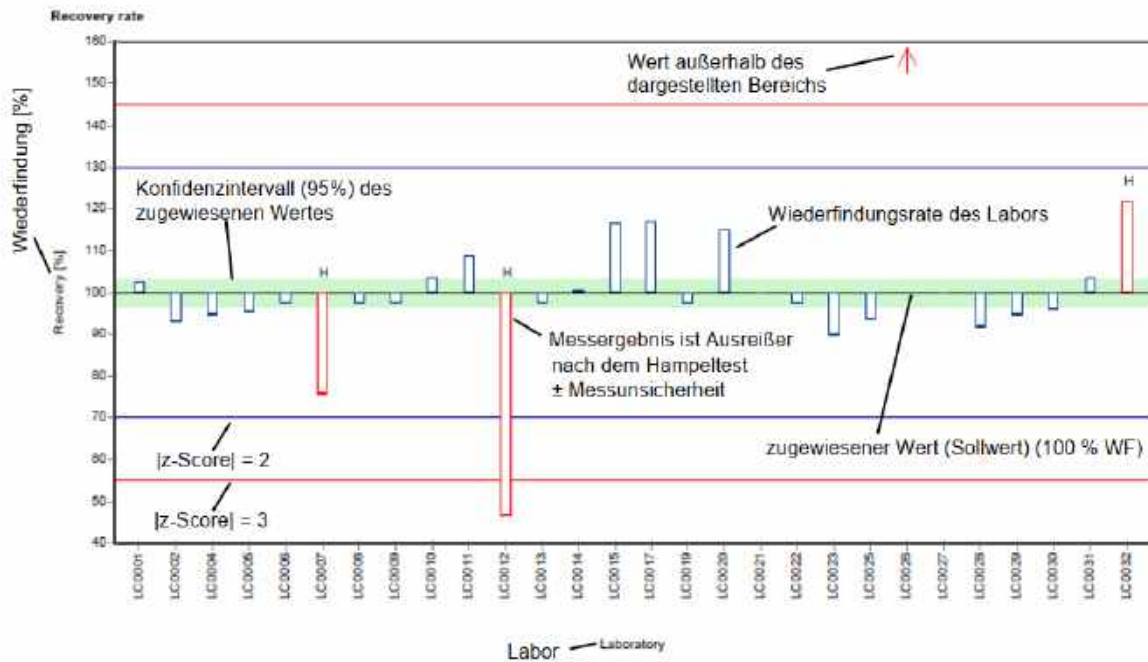
Nachfolgend wird die graphische Darstellung anhand von kommentierten Beispieldiagrammen erläutert.

Beispieldiagramm: Messwerte



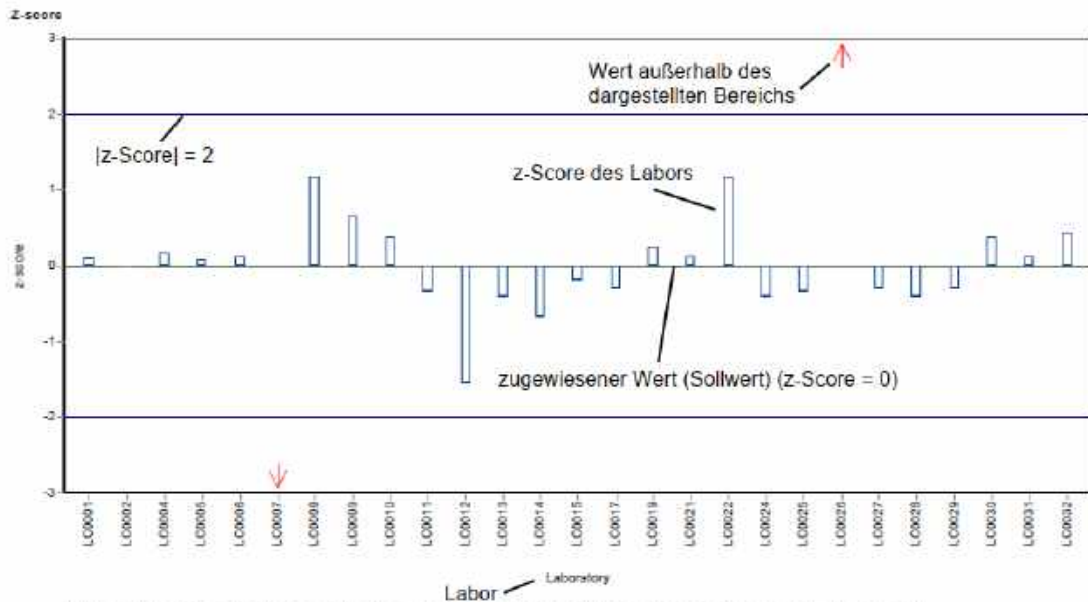
Unterschiedliche Analysemethoden werden mit unterschiedlichen Farben kenntlich gemacht.

Beispieldiagramm: Wiederfindung zum zugewiesenen Wert



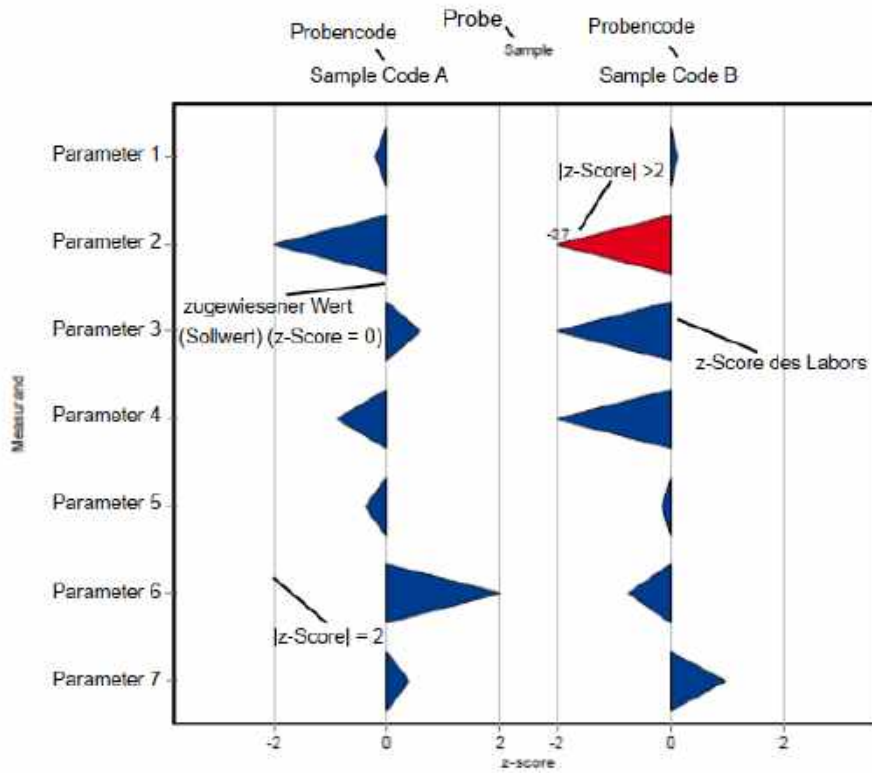
Unterschiedliche Analysenmethoden werden mit unterschiedlichen Farben kenntlich gemacht.

Beispieldiagramm: z-Score

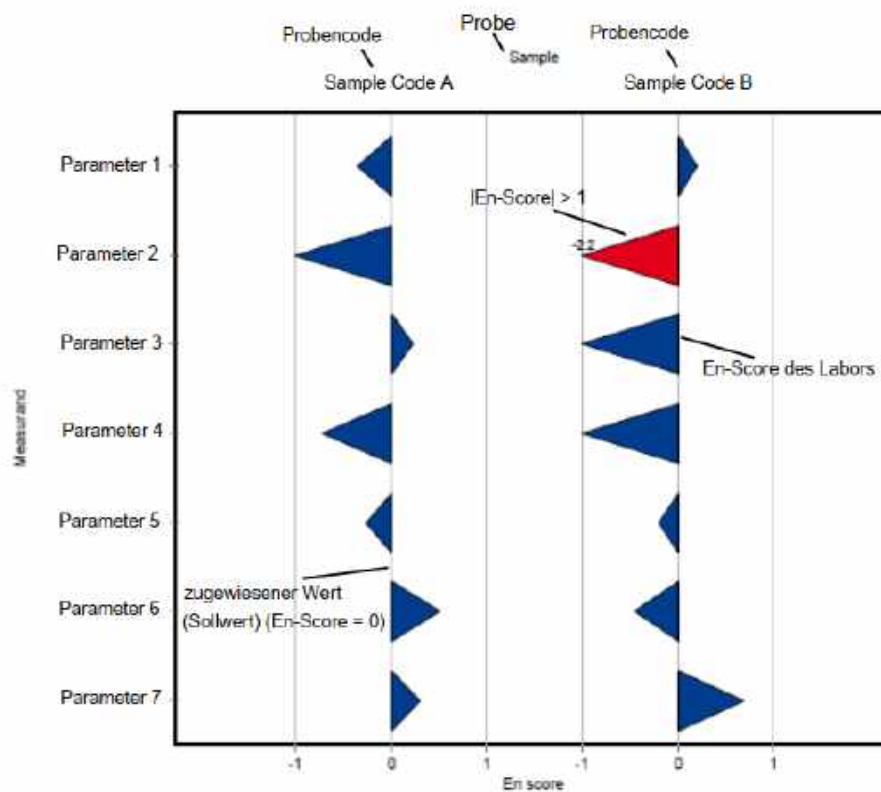


Unterschiedliche Analysenmethoden werden mit unterschiedlichen Farben kenntlich gemacht.

Beispieldiagramm: z-Score (labororientierte Auswertung)



Beispieldiagramm: En-Score (labororientierte Auswertung)



D6. Zusammenfassung

D6.1. Tabelle der zugewiesenen Werte

| Parameter | Probe | Einheit | zugewiesener Wert | ± | U (k=2) | Kriterium | Kriterium [%] |
|--|--------|---------|-------------------|---|---------|-----------|---------------|
| 2,4,5-Trichlorphenoxyessigsäure* | H119 A | µg/l | - | ± | - | - | - |
| | H119 B | µg/l | - | ± | - | - | - |
| 2,4-D (2,4-Dichlorphenoxyessigsäure) | H119 A | µg/l | 0.317 | ± | 0.0271 | 0.0444 | 14 |
| | H119 B | µg/l | 0.312 | ± | 0.0206 | 0.0437 | 14 |
| Alachlor | H119 A | µg/l | 0.297 | ± | 0.0282 | 0.0356 | 12 |
| | H119 B | µg/l | 0.287 | ± | 0.0139 | 0.0345 | 12 |
| Alachlor-Säure (Alachlor-OA)* | H119 A | µg/l | - | ± | - | - | - |
| | H119 B | µg/l | - | ± | - | - | - |
| Alachlor-Sulfonsäure (Alachlor-ESA)* | H119 A | µg/l | - | ± | - | - | - |
| | H119 B | µg/l | - | ± | - | - | - |
| Ampa | H119 A | µg/l | 0.622 | ± | 0.0447 | 0.0808 | 13 |
| | H119 B | µg/l | 0.308 | ± | 0.0129 | 0.04 | 13 |
| Bentazon | H119 A | µg/l | 0.216 | ± | 0.0126 | 0.0323 | 15 |
| | H119 B | µg/l | 0.449 | ± | 0.0346 | 0.0674 | 15 |
| Chlorthalonil-4-hydroxy ^{†*} | H119 A | µg/l | - | ± | - | - | - |
| | H119 B | µg/l | - | ± | - | - | - |
| Chlorthalonil Metabolit R471811 ^{**} | H119 A | µg/l | 0.479 | ± | 0.0341 | 0.0479 | 10 |
| | H119 B | µg/l | 0.637 | ± | 0.0559 | 0.0701 | 11 |
| Chlorthalonil Metabolit R611965 (3-carbamyl-2,4,5-trichlorbenzoesäure) ^{†*} | H119 A | µg/l | - | ± | - | - | - |
| | H119 B | µg/l | - | ± | - | - | - |
| Chlorthalonil Metabolit R611968 ^{†*} | H119 A | µg/l | - | ± | - | - | - |
| | H119 B | µg/l | - | ± | - | - | - |
| Chlorthalonil Metabolit SYN507900 ^{†*} | H119 A | µg/l | - | ± | - | - | - |
| | H119 B | µg/l | - | ± | - | - | - |
| Chlorthalonil Metabolit SYN548580 ^{†*} | H119 A | µg/l | - | ± | - | - | - |
| | H119 B | µg/l | - | ± | - | - | - |
| Chlorthalonil Metabolit SYN548581 ^{†*} | H119 A | µg/l | - | ± | - | - | - |
| | H119 B | µg/l | - | ± | - | - | - |
| Chlorthalonil Sulfonsäure (Chlorthalonil-ESA) ^{**} | H119 A | µg/l | 0.447 | ± | 0.032 | 0.0447 | 10 |
| | H119 B | µg/l | 0.224 | ± | 0.018 | 0.0246 | 11 |
| Dicamba* | H119 A | µg/l | - | ± | - | - | - |
| | H119 B | µg/l | - | ± | - | - | - |
| Dichlorprop | H119 A | µg/l | 0.361 | ± | 0.0153 | 0.0433 | 12 |
| | H119 B | µg/l | 0.615 | ± | 0.0303 | 0.0737 | 12 |
| Dimethachlor Metabolit - CGA 369873 ^{†*} | H119 A | µg/l | - | ± | - | - | - |
| | H119 B | µg/l | - | ± | - | - | - |
| Glufosinat* | H119 A | µg/l | - | ± | - | - | - |

| Parameter | Probe | Einheit | zugewiesener Wert | ± | U (k=2) | Kriterium | Kriterium [%] |
|---|--------|---------|-------------------|---|---------|-----------|---------------|
| Glufosinat* | H119 B | µg/l | - | ± | - | - | - |
| Glyphosat | H119 A | µg/l | 0.219 | ± | 0.0216 | 0.0438 | 20 |
| | H119 B | µg/l | 0.517 | ± | 0.0538 | 0.103 | 20 |
| MCP (Mecoprop) | H119 A | µg/l | 0.189 | ± | 0.006 | 0.0245 | 13 |
| | H119 B | µg/l | 0.315 | ± | 0.0145 | 0.041 | 13 |
| Metazachlor | H119 A | µg/l | 0.201 | ± | 0.00507 | 0.0242 | 12 |
| | H119 B | µg/l | 0.413 | ± | 0.00694 | 0.0495 | 12 |
| Metazachlor-Sulfonsäure (Metazachlor ESA) | H119 A | µg/l | 0.298 | ± | 0.0233 | 0.0567 | 19 |
| | H119 B | µg/l | 0.13 | ± | 0.0077 | 0.0248 | 19 |
| Metazachlor-Säure (Metazachlor OA) | H119 A | µg/l | 0.345 | ± | 0.0304 | 0.0725 | 21 |
| | H119 B | µg/l | 0.14 | ± | 0.0186 | 0.0295 | 21 |
| Metolachlor | H119 A | µg/l | 0.123 | ± | 0.0045 | 0.0185 | 15 |
| | H119 B | µg/l | 0.378 | ± | 0.0128 | 0.0567 | 15 |
| s-Metolachlor-Sulfonsäure (Metolachlor-ESA) | H119 A | µg/l | 0.333 | ± | 0.0193 | 0.0666 | 20 |
| | H119 B | µg/l | 0.222 | ± | 0.0102 | 0.0443 | 20 |
| s-Metolachlor-Säure (Metolachlor OA) | H119 A | µg/l | 0.573 | ± | 0.0171 | 0.0802 | 14 |
| | H119 B | µg/l | 0.314 | ± | 0.0144 | 0.0439 | 14 |

* Für nachfolgende Substanzen liegen zu wenige Laborergebnisse vor (n<6), daher sind zur Information die berechneten Mittelwerte MW±/ U(k=2) über die Daten der akkreditierten Labore (n) nach Ausreißerbereinigung angeführt.

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

2,4,5-Trichlorphenoxyessigsäure:

H119 A: MW (n=4; akkr.) +/- U(k=2): 0.263 +/- 0.00873 µg/l

H119 B: MW (n=4; akkr.) +/- U(k=2): 0.249 +/- 0.0473 µg/l

Alachlor-Säure (Alachlor-OA):

H119 A: MW (n=4; akkr.) +/- U(k=2): 0.194 +/- 0.00932 µg/l

H119 B: MW (n=4; akkr.) +/- U(k=2): 0.711 +/- 0.0380 µg/l

Alachlor-Sulfonsäure (Alachlor ESA):

H119 A: MW (n=5; akkr.) +/- U(k=2): 0.145 +/- 0.0217 µg/l

H119 B: MW (n=5; akkr.) +/- U(k=2): 0.435 +/- 0.0708 µg/l

**Chlorthalonil-4-hydroxy:

H119 A: MW (n=3; akkr.) +/- U(k=2): 0.651 +/- 0.0404 µg/l

H119 B: MW (n=3; akkr.) +/- U(k=2): 0.498 +/- 0.00467 µg/l

**Chlorthalonil Metabolit R611965 (3-carbamyl-2,4,5-trichlorbenzoesäure):

H119 A: MW (n=4; akkr.) +/- U(k=2): 0.354 +/- 0.0399 µg/l

H119 B: MW (n=4; akkr.) +/- U(k=2): 0.177 +/- 0.0256 µg/l

**Chlorothalonil Metabolit R611968:

H119 A: MW (n=2; akkr.) +/- U(k=2): 0.357 +/- 0.0130 µg/l

H119 B: MW (n=2; akkr.) +/- U(k=2): 0.245 +/- 0.0290 µg/l

**Chlorothalonil Metabolit SYN507900:

H119 A: MW (n=3; akkr.) +/- U(k=2): 0.564 +/- 0.0367 µg/l

H119 B: MW (n=3; akkr.) +/- U(k=2): 0.246 +/- 0.0274 µg/l

**Chlorothalonil Metabolit SYN548580:

H119 A: W (n=1; akkr.) +/- U(k=2): 0.394 +/- 0.142 µg/l

H119 B: W (n=1; akkr.) +/- U(k=2): 0.605 +/- 0.218 µg/l

**Chlorothalonil Metabolit SYN548581:

H119 A: MW (n=2; akkr.) +/- U(k=2): 0.529 +/- 0.0620 µg/l

H119 B: MW (n=2; akkr.) +/- U(k=2): 0.210 +/- 0.060 µg/l

Dicamba:

H119 A: MW (n=4; akkr.) +/- U(k=2): 0.472 +/- 0.0513 µg/l

H119 B: MW (n=3; akkr.) +/- U(k=2): 0.527 +/- 0.0433 µg/l

**Dimethachlor Metabolit - CGA 369873:

H119 A: MW (n=5; akkr.) +/- U(k=2): 0.376 +/- 0.0473 µg/l

H119 B: MW (n=5; akkr.) +/- U(k=2): 0.382 +/- 0.0554 µg/l

Glufosinat:

H119 A: MW (n=4; akkr.) +/- U(k=2): 0.575 +/- 0.0368 µg/l

H119 B: MW (n=5; akkr.) +/- U(k=2): 0.424 +/- 0.112 µg/l

** Chlorthalonil-Metaboliten: Für diese Parameter liegt keine Akkreditierung vor.

D6.2. Zusammenfassung der ausreißerbereinigten Ringversuchsergebnisse

| Parameter | Probe | Anzahl Labors für Berechnung | Anzahl Ausreißer Labors | Einheit | Mittelwert | ± VB (99%) | Minimum | Maximum | sR | vR [%] |
|--|--------|------------------------------|-------------------------|---------|------------|------------|---------|---------|--------|--------|
| 2,4,5-Trichlorphenoxyessigsäure | H119 A | 4 | 1 | µg/l | - | ± - | 0.254 | 0.275 | - | - |
| | H119 B | 5 | 0 | µg/l | - | ± - | 0.185 | 0.385 | - | - |
| 2,4-D (2,4-Dichlorphenoxyessigsäure) | H119 A | 10 | 0 | µg/l | 0.317 | ± 0.0407 | 0.27 | 0.415 | 0.0429 | 14 |
| | H119 B | 9 | 1 | µg/l | 0.312 | ± 0.0309 | 0.26 | 0.351 | 0.0309 | 9.9 |
| Alachlor | H119 A | 8 | 0 | µg/l | 0.297 | ± 0.0423 | 0.258 | 0.358 | 0.0399 | 13 |
| | H119 B | 7 | 1 | µg/l | 0.287 | ± 0.0208 | 0.266 | 0.324 | 0.0183 | 6.4 |
| Alachlor-Säure (Alachlor-OA) | H119 A | 4 | 0 | µg/l | - | ± - | 0.183 | 0.205 | - | - |
| | H119 B | 4 | 0 | µg/l | - | ± - | 0.66 | 0.752 | - | - |
| Alachlor-Sulfonsäure (Alachlor-ESA) | H119 A | 5 | 0 | µg/l | - | ± - | 0.117 | 0.174 | - | - |
| | H119 B | 5 | 0 | µg/l | - | ± - | 0.341 | 0.536 | - | - |
| Ampa | H119 A | 8 | 1 | µg/l | 0.622 | ± 0.067 | 0.55 | 0.75 | 0.0632 | 10 |
| | H119 B | 8 | 1 | µg/l | 0.308 | ± 0.0194 | 0.281 | 0.329 | 0.0183 | 5.9 |
| Bentazon | H119 A | 11 | 1 | µg/l | 0.216 | ± 0.0189 | 0.174 | 0.243 | 0.0209 | 9.7 |
| | H119 B | 11 | 1 | µg/l | 0.451 | ± 0.0473 | 0.356 | 0.555 | 0.0523 | 12 |
| Chlorthalonil-4-hydroxy | H119 A | 3 | 0 | µg/l | - | ± - | 0.612 | 0.68 | - | - |
| | H119 B | 3 | 0 | µg/l | - | ± - | 0.493 | 0.5 | - | - |
| Chlorthalonil Metabolit R471811 | H119 A | 8 | 0 | µg/l | 0.479 | ± 0.0511 | 0.411 | 0.542 | 0.0482 | 10 |
| | H119 B | 6 | 1 | µg/l | 0.637 | ± 0.0839 | 0.537 | 0.745 | 0.0685 | 11 |
| Chlorthalonil Metabolit R611965 (3-carbamyl-2,4,5-trichlorbenzoesäure) | H119 A | 4 | 0 | µg/l | - | ± - | 0.305 | 0.394 | - | - |
| | H119 B | 4 | 0 | µg/l | - | ± - | 0.154 | 0.21 | - | - |
| Chlorthalonil Metabolit R611968 | H119 A | 2 | 0 | µg/l | - | ± - | 0.35 | 0.363 | - | - |
| | H119 B | 2 | 0 | µg/l | - | ± - | 0.23 | 0.259 | - | - |
| Chlorthalonil Metabolit SYN507900 | H119 A | 3 | 0 | µg/l | - | ± - | 0.541 | 0.6 | - | - |
| | H119 B | 3 | 0 | µg/l | - | ± - | 0.22 | 0.266 | - | - |
| Chlorthalonil Metabolit SYN548580 | H119 A | 1 | 0 | µg/l | - | ± - | 0.394 | 0.394 | - | - |
| | H119 B | 1 | 0 | µg/l | - | ± - | 0.605 | 0.605 | - | - |

| Parameter | Probe | Anzahl Labors für Berechnung | Anzahl Ausreißer Labors | Einheit | Mittelwert | ± VB (99%) | Minimum | Maximum | sR | vR [%] |
|---|--------|------------------------------|-------------------------|---------|------------|------------|---------|---------|---------|--------|
| Chlorthalonil Metabolit SYN548581 | H119 A | 2 | 0 | µg/l | - | ± - | 0.498 | 0.56 | - | - |
| | H119 B | 2 | 0 | µg/l | - | ± - | 0.18 | 0.24 | - | - |
| Chlorthalonil Sulfonsäure (Chlorthalonil-ESA) | H119 A | 7 | 0 | µg/l | 0.447 | ± 0.048 | 0.375 | 0.51 | 0.0423 | 9.5 |
| | H119 B | 7 | 0 | µg/l | 0.224 | ± 0.027 | 0.181 | 0.246 | 0.0238 | 11 |
| Dicamba | H119 A | 5 | 0 | µg/l | - | ± - | 0.413 | 0.743 | - | - |
| | H119 B | 4 | 0 | µg/l | - | ± - | 0.484 | 0.783 | - | - |
| Dichlorprop | H119 A | 9 | 0 | µg/l | 0.361 | ± 0.0229 | 0.325 | 0.386 | 0.0229 | 6.3 |
| | H119 B | 8 | 1 | µg/l | 0.615 | ± 0.0454 | 0.53 | 0.655 | 0.0428 | 7 |
| Dimethachlor Metabolit - CGA 369873 | H119 A | 5 | 0 | µg/l | - | ± - | 0.294 | 0.438 | - | - |
| | H119 B | 5 | 0 | µg/l | - | ± - | 0.31 | 0.441 | - | - |
| Glufosinat | H119 A | 4 | 1 | µg/l | - | ± - | 0.542 | 0.627 | - | - |
| | H119 B | 5 | 0 | µg/l | - | ± - | 0.273 | 0.605 | - | - |
| Glyphosat | H119 A | 9 | 0 | µg/l | 0.219 | ± 0.0325 | 0.15 | 0.265 | 0.0325 | 15 |
| | H119 B | 9 | 0 | µg/l | 0.517 | ± 0.0808 | 0.361 | 0.617 | 0.0808 | 16 |
| MCP (Mecoprop) | H119 A | 11 | 1 | µg/l | 0.189 | ± 0.00899 | 0.17 | 0.201 | 0.00994 | 5.3 |
| | H119 B | 11 | 1 | µg/l | 0.315 | ± 0.0217 | 0.274 | 0.358 | 0.024 | 7.6 |
| Metazachlor | H119 A | 10 | 0 | µg/l | 0.201 | ± 0.00761 | 0.185 | 0.21 | 0.00802 | 4 |
| | H119 B | 9 | 1 | µg/l | 0.413 | ± 0.0104 | 0.397 | 0.427 | 0.0104 | 2.5 |
| Metazachlor-Sulfonsäure (Metazachlor ESA) | H119 A | 9 | 0 | µg/l | 0.298 | ± 0.0349 | 0.244 | 0.339 | 0.0349 | 12 |
| | H119 B | 8 | 1 | µg/l | 0.13 | ± 0.0116 | 0.109 | 0.144 | 0.0109 | 8.4 |
| Metazachlor-Säure (Metazachlor OA) | H119 A | 9 | 0 | µg/l | 0.345 | ± 0.0457 | 0.283 | 0.41 | 0.0457 | 13 |
| | H119 B | 9 | 0 | µg/l | 0.141 | ± 0.022 | 0.113 | 0.179 | 0.022 | 16 |
| Metolachlor | H119 A | 10 | 1 | µg/l | 0.123 | ± 0.00675 | 0.114 | 0.135 | 0.00712 | 5.8 |
| | H119 B | 10 | 1 | µg/l | 0.378 | ± 0.0193 | 0.354 | 0.411 | 0.0203 | 5.4 |
| s-Metolachlor-Sulfonsäure (Metolachlor-ESA) | H119 A | 8 | 1 | µg/l | 0.333 | ± 0.029 | 0.278 | 0.37 | 0.0274 | 8.2 |
| | H119 B | 8 | 1 | µg/l | 0.222 | ± 0.0154 | 0.194 | 0.24 | 0.0145 | 6.5 |

| Parameter | Probe | Anzahl Labors für Berechnung | Anzahl Ausreißer Labors | Einheit | Mittelwert | ± VB (99%) | Minimum | Maximum | sR | vR [%] |
|--------------------------------------|--------|------------------------------|-------------------------|---------|------------|------------|---------|---------|--------|--------|
| s-Metolachlor-Säure (Metolachlor OA) | H119 A | 6 | 2 | µg/l | 0.573 | ± 0.0256 | 0.545 | 0.61 | 0.0209 | 3.6 |
| | H119 B | 7 | 1 | µg/l | 0.314 | ± 0.0216 | 0.274 | 0.337 | 0.0191 | 6.1 |

E1. Description of the proficiency test

E1.1. Design and implementation

- Number of registrations: 15
- Number of submitted data records: 14
- Dispatch of samples: June 18th, 2024
- Closing date for submission of data: July 23rd, 2024

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

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

E1.2. Description of the proficiency test items

The sampling of ground water and surface water was carried out on 13th of June 2024.

The following samples were made available

- 1 sample ground water (H119 A)
- 1 sample surface water (H119 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 18th of June 2024.

Each participant received:

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

E1.3. Instructions for the participants

For reasons of stability, it was recommended to start the analysis by the 26th of June 2024 at the latest.

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

E1.4. Control testing for homogeneity evaluation

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

All parameters were tested in the testing laboratory at the Environment Agency Austria (Prüfstelle für Umwelt-, GVO- & Treibstoffanalytik) close to the time of sample dispatch (accredited according to EN ISO/IEC 17025 for all parameters listed).

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

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

E1.5. Trend test for stability evaluation

The evaluation of stability of the proficiency test items was performed using the data statistics of the results of previous proficiency testing rounds for real water samples of the period from 2013 to 2023.

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 23rd of July 2024. Any values received at a later date were not considered.

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

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

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

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

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

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

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

E2. Criteria of performance evaluation

E2.1. Performance criterion z-Score

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

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

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

In this context,

| | |
|-----------|--|
| x_i | is the measurement value (result) of the participating laboratory; |
| \bar{X} | assigned value the target value for the assessment of the performance of the participants (3 significant digits), normally the average value of the participants' results after removal of outliers; if this approach is not applicable, the target value is assigned according to the procedure given in section E4 |
| Criteria | is the reproducibility standard deviation calculated from previous rounds for proficiency testing for real water samples from 2013 to 2023 (as RSD pooled) or from the participants' results after removal of outliers (sR) in the current round (if less than 6 previous rounds for the parameters of real water samples A and B are available). Where justified (e.g. results for real water samples are close to minimum quantification limit or in case of regulatory requirements) the criteria is defined by expert judgement and the procedure is clearly described in section E4 of the report. |

E2.2. Performance criterion E_n-Score

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

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

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

In this context,

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

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

Interpretation of z-Scores:

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

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

Interpretation of E_n-Scores:

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

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

E3. Representation and interpretation of measurement results

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

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

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

An annotation of the tables and graphics is given in section 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 11 proficiency testing rounds (2013–2023 in real samples, evaluation criteria (RSD_{pool}) were calculated.

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

****The evaluation of chlorothalonil metabolites is for information only. For the parameters marked with ‘***’ no accreditation according to EN ISO/IEC 17043 is available.**

No assigned values were calculated for the following parameters in sample H119 A and H119 B due to a low number of valid results submitted by participants (n < 6). For these parameters, the mean values from the accredited laboratory results were determined for information purposes, which can be used as comparative values as part of your internal quality assurance measures (QA):

2,4,5-trichlorophenoxyacetic acid, alachlor-t-acid (alachlor-OA), Alachlor-t-sulfonic acid (alachlor-ESA), **chlorothalonil-4-hydroxy, **chlorothalonil metabolite R611965, **chlorothalonil metabolite R611968, **chlorothalonil metabolite SYN507900, **chlorothalonil metabolite SYN548580, **chlorothalonil metabolite SYN548581, dicamba, **dimethachlor metabolite CGA369873, glufosinate.

Sample H119 B bentazone, metazachlor oxanilic acid (metazachlor-OA):

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

H119 A metazachlor and H119 B s-metolachlor oxanilic acid (metolachlor-OA):
The majority of the laboratory results were in a narrow concentration range. Therefore the measurement results classified as "Hampel outliers (H99)" were checked by Dean-Dixon outlier test (DD99). As the result of LC0013 for metazachlor in sample H119 A was no Dean-Dixon outlier (DD99), the result was used for data evaluation. In case of sample H119 B metolachlor OA all results classified as "Hampel outliers (H99)" (LC0003, LC0008, LC0011) were checked for the presence of Dean-Dixon outliers (DD99). The test showed that the results of LC0003 and LC0011 should be used for the evaluation (no DD99 outliers).

For all other parameters, the scores were calculated according to D2:

Sample H119 A and H119 B: 2,4-dichlorophenoxyacetic acid, alachlor, AMPA, dichlorprop, glyphosate, MCPP (mecoprop), Metazachlor ethane sulfonic acid (metazachlor-ESA), metolachlor, s-metolachlor ethanesulfonic acid (metolachlor-ESA), **chlorothalonil metabolite R471811, **chlorothalonil sulfonic acid (chlorothalonil-ESA);

Sample H119 A: bentazone, metazachlor oxanilic acid (metazachlor-OA), s-metolachlor oxanilic acid (metolachlor-OA);

Sample H119 B: metazachlor.

For the evaluation of **chlorothalonil metabolite R471811 and **chlorothalonil sulfonic acid for sample H119 A and H119 B, the actual reproducibility deviation was rounded up to 10 % or rounded to 2 significant digits.

E5. Annotations on tables and charts

E5.1. Information and abbreviations in tables

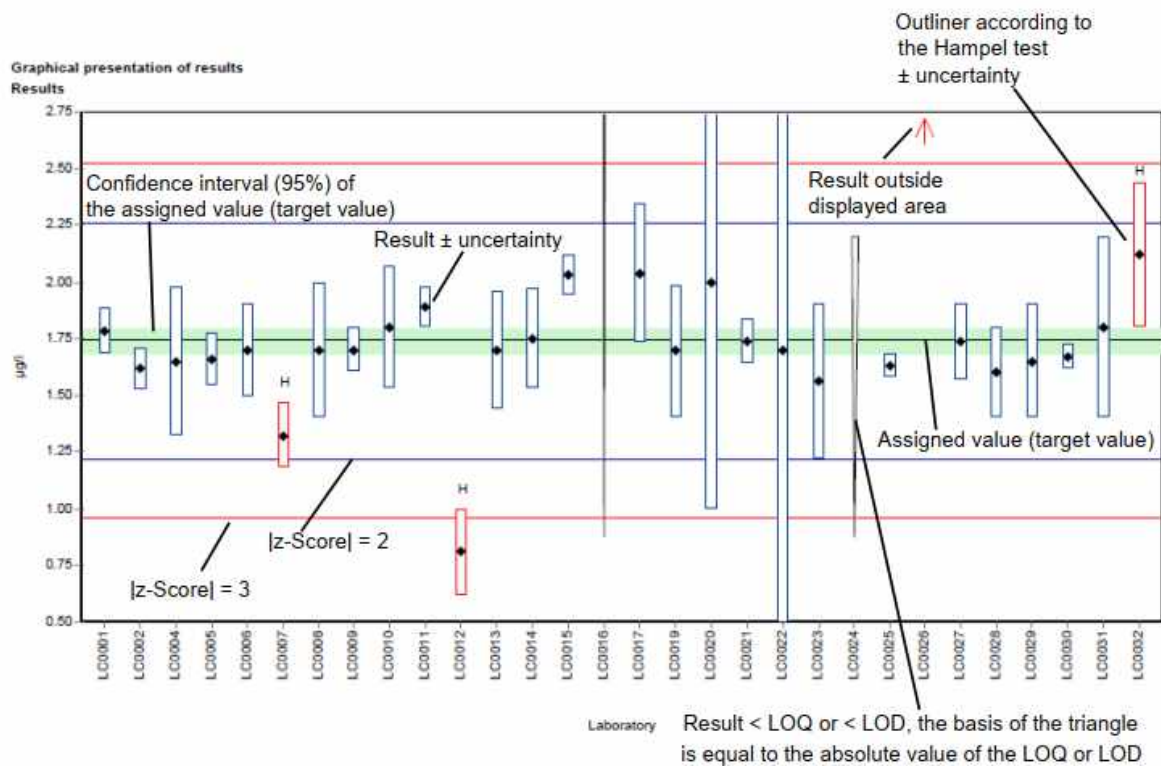
| | |
|------------------------------|---|
| Parameter | Analyte identifier |
| Sample | Sample identifier |
| Unit | Given unit for result and uncertainty (e.g. µg/l) |
| Assigned value | Target value for proficiency assessment of the participants (3 significant digits) |
| U (k=2) | Expanded uncertainty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

| | |
|-------------------------|---|
| | measurement uncertainty of the participant's results and expanded measurement uncertainty for the assigned value (3 significant digits, max. 2 decimal places given). Note: E _n -Score assessment takes into account the measurement uncertainty of the participants. |
| - | No data available or no calculation possible |
| Comments | Comment on the respective result (e.g. H, FN, FP) |
| H | Outlier according to Hampel-Test |
| FN | False negative – for a result < LOQ or result < LOD: The absolute value of the LOQ or LOD fulfils the condition of an outlier according to the Hampel test. |
| FP | False positive – for parameters where no target value is available because of a too low analyte content (n < 6): Result that exceeds the median of the absolute values of the transmitted LOQs or LODs by more than 100 %. |
| Standard deviation | Reproducibility standard deviation, calculated from the participants results (3 significant digits) |
| Rel. standard deviation | Reproducibility standard deviation, calculated from the participants results relative to the target value, given in %, (3 significant digits) |
| n | Number of results |
| * | mark for additional comments |
| ** | mark for parameters outside the scope of accreditation according to EN ISO/IEC 17043 |

E5.2. Graphical presentation of results

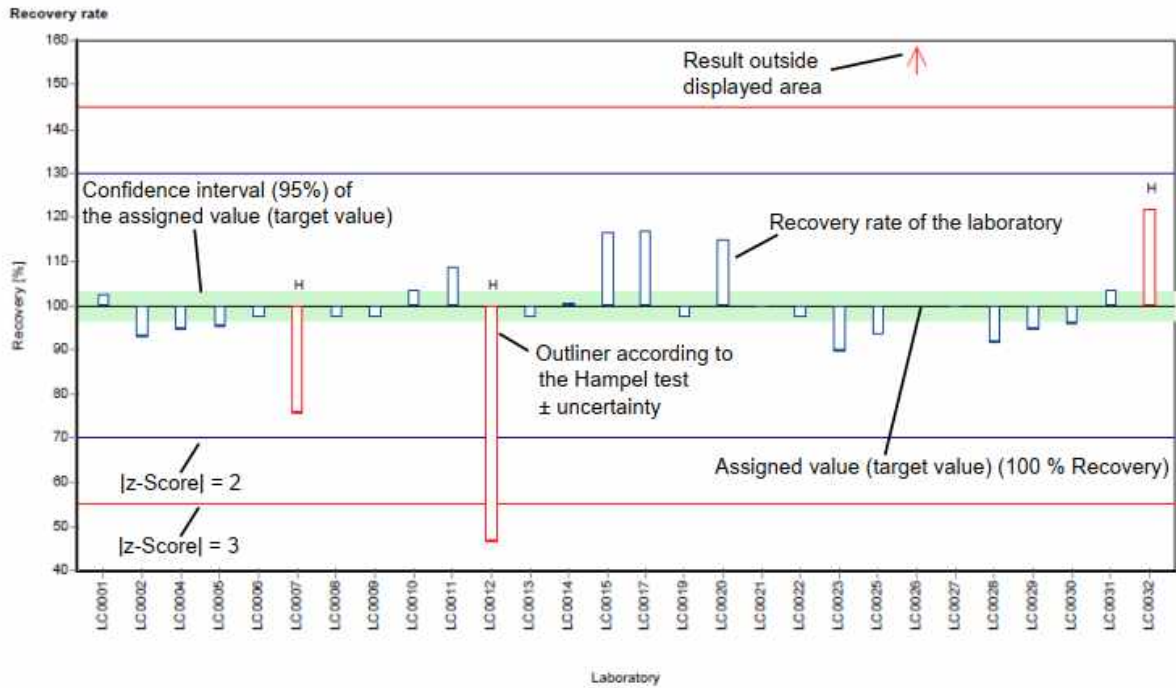
The graphic representation in the report is explained below by means of commented example diagrams:

Example chart: Results



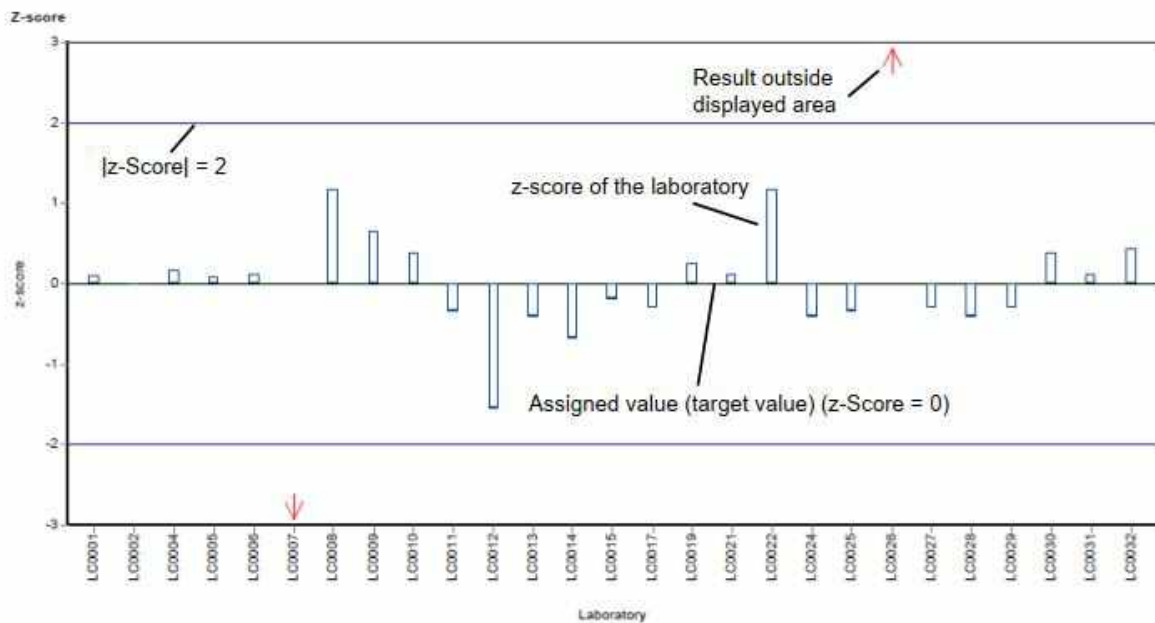
Different analysis methods are represented with different colors.

Example chart: Recovery



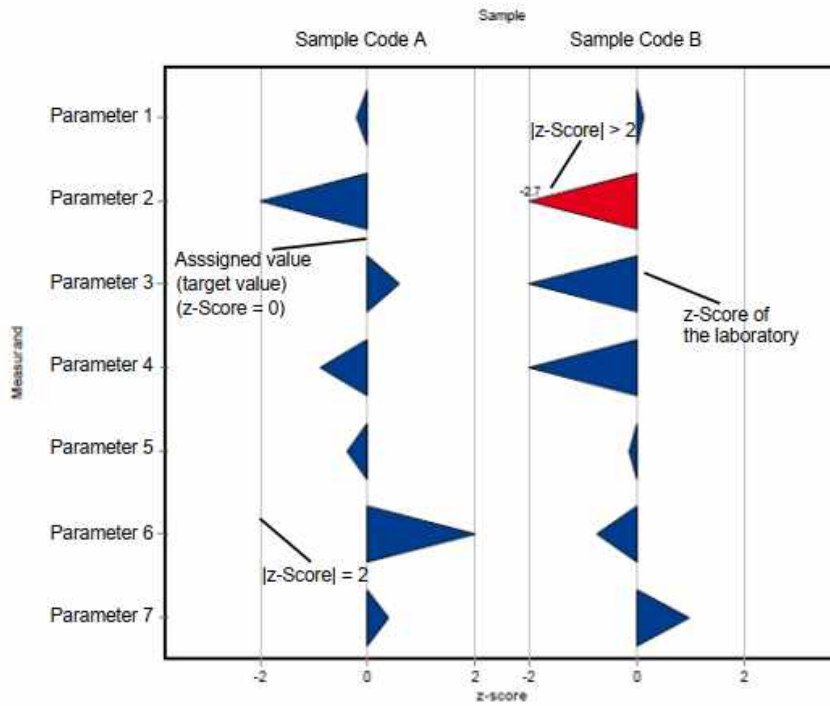
Different analysis methods are represented with different colors.

Example chart: z-Score

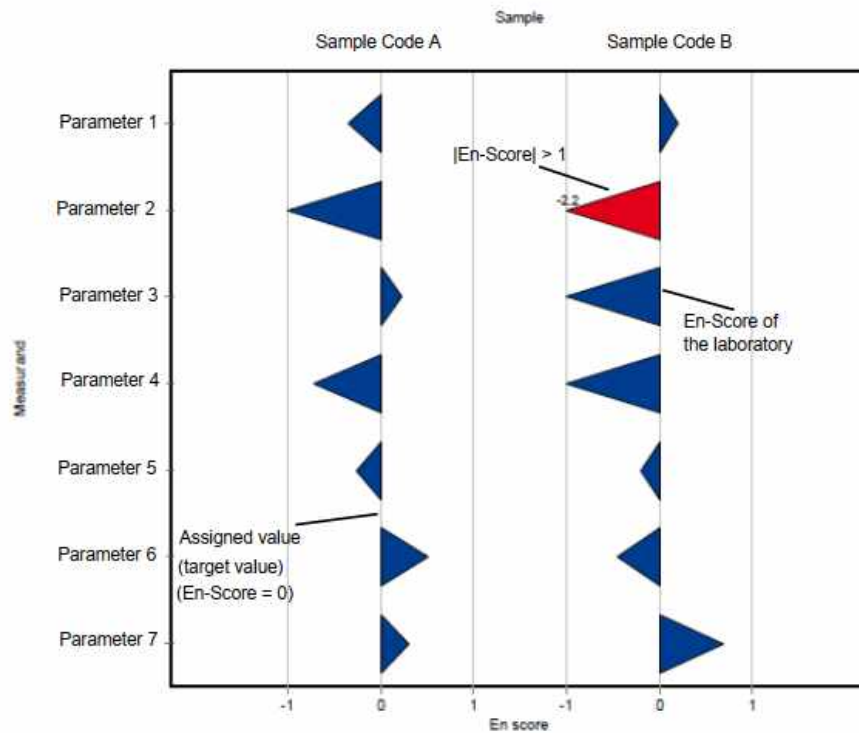


Different analysis methods are represented with different colors.

Example chart: z-Score (laboratory oriented report)



Example chart: En-Score (laboratory oriented report)



E6. Summary

E6.1. Table of assigned values

| Parameter | Sample | Unit | Assigned value | ± | U (k=2) | Criterion | Criterion [%] |
|---|--------|------|----------------|---|---------|-----------|---------------|
| 2,4,5-Trichlorophenoxyacetic acid* | H119 A | µg/l | - | ± | - | - | - |
| | H119 B | µg/l | - | ± | - | - | - |
| 2,4-D (2,4-Dichlorphenoxyaceticacid) | H119 A | µg/l | 0.317 | ± | 0.0271 | 0.0444 | 14 |
| | H119 B | µg/l | 0.312 | ± | 0.0206 | 0.0437 | 14 |
| Alachlor | H119 A | µg/l | 0.297 | ± | 0.0282 | 0.0356 | 12 |
| | H119 B | µg/l | 0.287 | ± | 0.0139 | 0.0345 | 12 |
| Alachlor-t-acid (Alachlor-OA)* | H119 A | µg/l | - | ± | - | - | - |
| | H119 B | µg/l | - | ± | - | - | - |
| Alachlor-t-sulfonic acid (Alachlor-ESA)* | H119 A | µg/l | - | ± | - | - | - |
| | H119 B | µg/l | - | ± | - | - | - |
| AMPA | H119 A | µg/l | 0.622 | ± | 0.0447 | 0.0808 | 13 |
| | H119 B | µg/l | 0.308 | ± | 0.0129 | 0.04 | 13 |
| Bentazone | H119 A | µg/l | 0.216 | ± | 0.0126 | 0.0323 | 15 |
| | H119 B | µg/l | 0.449 | ± | 0.0346 | 0.0674 | 15 |
| Chlorothalonil-4-hydroxy ** | H119 A | µg/l | - | ± | - | - | - |
| | H119 B | µg/l | - | ± | - | - | - |
| Chlorothalonil Metabolite R471811** | H119 A | µg/l | 0.479 | ± | 0.0341 | 0.0479 | 10 |
| | H119 B | µg/l | 0.637 | ± | 0.0559 | 0.0701 | 11 |
| Chlorothalonil Metabolite R611965 (3-carbamyl-2,4,5-trichlorobenzoic acid) ** | H119 A | µg/l | - | ± | - | - | - |
| | H119 B | µg/l | - | ± | - | - | - |
| Chlorothalonil Metabolite R611968 ** | H119 A | µg/l | - | ± | - | - | - |
| | H119 B | µg/l | - | ± | - | - | - |
| Chlorothalonil Metabolite SYN507900** | H119 A | µg/l | - | ± | - | - | - |
| | H119 B | µg/l | - | ± | - | - | - |
| Chlorothalonil Metabolite SYN548580** | H119 A | µg/l | - | ± | - | - | - |
| | H119 B | µg/l | - | ± | - | - | - |
| Chlorothalonil Metabolite SYN548581** | H119 A | µg/l | - | ± | - | - | - |
| | H119 B | µg/l | - | ± | - | - | - |
| Chlorothalonil sulfonic acid (Chlorothalonil-ESA)** | H119 A | µg/l | 0.447 | ± | 0.032 | 0.0447 | 10 |
| | H119 B | µg/l | 0.224 | ± | 0.018 | 0.0246 | 11 |
| Dicamba* | H119 A | µg/l | - | ± | - | - | - |
| | H119 B | µg/l | - | ± | - | - | - |
| Dichlorprop | H119 A | µg/l | 0.361 | ± | 0.0153 | 0.0433 | 12 |
| | H119 B | µg/l | 0.615 | ± | 0.0303 | 0.0737 | 12 |

| Parameter | Sample | Unit | Assigned value | ± | U (k=2) | Criterion | Criterion [%] |
|---|--------|------|----------------|---|---------|-----------|---------------|
| Dimethachlor Metabolite - CGA 369873 ^{*,**} | H119 A | µg/l | - | ± | - | - | - |
| | H119 B | µg/l | - | ± | - | - | - |
| Glufosinate* | H119 A | µg/l | - | ± | - | - | - |
| | H119 B | µg/l | - | ± | - | - | - |
| Glyphosate | H119 A | µg/l | 0.219 | ± | 0.0216 | 0.0438 | 20 |
| | H119 B | µg/l | 0.517 | ± | 0.0538 | 0.103 | 20 |
| MCP (Mecoprop) | H119 A | µg/l | 0.189 | ± | 0.006 | 0.0245 | 13 |
| | H119 B | µg/l | 0.315 | ± | 0.0145 | 0.041 | 13 |
| Metazachlor | H119 A | µg/l | 0.201 | ± | 0.00507 | 0.0242 | 12 |
| | H119 B | µg/l | 0.413 | ± | 0.00694 | 0.0495 | 12 |
| Metazachlor ethane sulfonic acid (Metazachlor-ESA) | H119 A | µg/l | 0.298 | ± | 0.0233 | 0.0567 | 19 |
| | H119 B | µg/l | 0.13 | ± | 0.0077 | 0.0248 | 19 |
| Metazachlor oxanilic acid (Metazachlor-OA) | H119 A | µg/l | 0.345 | ± | 0.0304 | 0.0725 | 21 |
| | H119 B | µg/l | 0.14 | ± | 0.0186 | 0.0295 | 21 |
| Metolachlor | H119 A | µg/l | 0.123 | ± | 0.0045 | 0.0185 | 15 |
| | H119 B | µg/l | 0.378 | ± | 0.0128 | 0.0567 | 15 |
| s-Metolachlor ethanesulfonic acid (Metolachlor-ESA) | H119 A | µg/l | 0.333 | ± | 0.0193 | 0.0666 | 20 |
| | H119 B | µg/l | 0.222 | ± | 0.0102 | 0.0443 | 20 |
| s-Metolachlor oxanilic acid (Metolachlor-OA) | H119 A | µg/l | 0.573 | ± | 0.0171 | 0.0802 | 14 |
| | H119 B | µg/l | 0.314 | ± | 0.0144 | 0.0439 | 14 |

* For the following substances there are too few laboratory results available (n<6), therefore the calculated mean values MV±/± U(k=2) based on the data of the accredited laboratories (n) after outlier removal are given for information.

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

2,4,5-Trichlorophenoxyacetic acid:

H119 A: MV (n=4; accr.) ±/± U(k=2): 0.263 ±/± 0.00873 µg/l

H119 B: MV (n=4; accr.) ±/± U(k=2): 0.249 ±/± 0.0473 µg/l

Alachlor-t-acid (Alachlor-OA):

H119 A: MV (n=4; accr.) ±/± U(k=2): 0.194 ±/± 0.00932 µg/l

H119 B: MV (n=4; accr.) ±/± U(k=2): 0.711 ±/± 0.0380 µg/l

Alachlor-t-sulfonic acid (Alachlor-ESA):

H119 A: MV (n=5; accr.) ±/± U(k=2): 0.145 ±/± 0.0217 µg/l

H119 B: MV (n=5; accr.) ±/± U(k=2): 0.435 ±/± 0.0708 µg/l

**Chlorothalonil-4-hydroxy:

H119 A: MV (n=3; accr.) ±/± U(k=2): 0.651 ±/± 0.0404 µg/l

H119 B: MV (n=3; accr.) ±/± U(k=2): 0.498 ±/± 0.00467 µg/l

**Chlorothalonil Metabolite R611965 (3-carbamyl-2,4,5-trichlorobenzoic acid):

H119 A: MV (n=4; accr.) ±/± U(k=2): 0.354 ±/± 0.0399 µg/l

H119 B: MV (n=4; accr.) ±/± U(k=2): 0.177 ±/± 0.0256 µg/l

**Chlorothalonil Metabolite R611968:

H119 A: MV (n=2; accr.) +/- U(k=2): 0.357 +/- 0.0130 µg/l

H119 B: MV (n=2; accr.) +/- U(k=2): 0.245 +/- 0.0290 µg/l

**Chlorothalonil Metabolite SYN507900:

H119 A: MV (n=3; accr.) +/- U(k=2): 0.564 +/- 0.0367 µg/l

H119 B: MV (n=3; accr.) +/- U(k=2): 0.246 +/- 0.0274 µg/l

**Chlorothalonil Metabolite SYN548580:

H119 A: V (n=1; accr.) +/- U(k=2): 0.394 +/- 0.142 µg/l

H119 B: V (n=1; accr.) +/- U(k=2): 0.605 +/- 0.218 µg/l

**Chlorothalonil Metabolite SYN548581:

H119 A: MV (n=2; accr.) +/- U(k=2): 0.529 +/- 0.0620 µg/l

H119 B: MV (n=2; accr.) +/- U(k=2): 0.210 +/- 0.060 µg/l

Dicamba:

H119 A: MV (n=4; accr.) +/- U(k=2): 0.472 +/- 0.0513 µg/l

H119 B: MV (n=3; accr.) +/- U(k=2): 0.527 +/- 0.0433 µg/l

**Dimethachlor Metabolite - CGA 369873:

H119 A: MV (n=5; accr.) +/- U(k=2): 0.376 +/- 0.0473 µg/l

H119 B: MV (n=5; accr.) +/- U(k=2): 0.382 +/- 0.0554 µg/l

Glufosinate:

H119 A: MV (n=4; accr.) +/- U(k=2): 0.575 +/- 0.0368 µg/l

H119 B: MV (n=5; accr.) +/- U(k=2): 0.424 +/- 0.112 µg/l

** Chlorothalonil metabolites: There is no accreditation for these parameters.

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

| Parameter | Sample | Number of results for calculation | Number of outliers | Unit | Mean | ± | CI (99%) | Minimum | Maximum | sR | vR [%] |
|--|--------|-----------------------------------|--------------------|------|-------|---|----------|---------|---------|--------|--------|
| 2,4,5-Trichlorophenoxyacetic acid | H119 A | 4 | 1 | µg/l | - | ± | - | 0.254 | 0.275 | - | - |
| | H119 B | 5 | 0 | µg/l | - | ± | - | 0.185 | 0.385 | - | - |
| 2,4-D (2,4-Dichlorphenoxyaceticacid) | H119 A | 10 | 0 | µg/l | 0.317 | ± | 0.0407 | 0.27 | 0.415 | 0.0429 | 14 |
| | H119 B | 9 | 1 | µg/l | 0.312 | ± | 0.0309 | 0.26 | 0.351 | 0.0309 | 9.9 |
| Alachlor | H119 A | 8 | 0 | µg/l | 0.297 | ± | 0.0423 | 0.258 | 0.358 | 0.0399 | 13 |
| | H119 B | 7 | 1 | µg/l | 0.287 | ± | 0.0208 | 0.266 | 0.324 | 0.0183 | 6.4 |
| Alachlor-t-acid (Alachlor-OA) | H119 A | 4 | 0 | µg/l | - | ± | - | 0.183 | 0.205 | - | - |
| | H119 B | 4 | 0 | µg/l | - | ± | - | 0.66 | 0.752 | - | - |
| Alachlor-t-sulfonic acid (Alachlor-ESA) | H119 A | 5 | 0 | µg/l | - | ± | - | 0.117 | 0.174 | - | - |
| | H119 B | 5 | 0 | µg/l | - | ± | - | 0.341 | 0.536 | - | - |
| AMPA | H119 A | 8 | 1 | µg/l | 0.622 | ± | 0.067 | 0.55 | 0.75 | 0.0632 | 10 |
| | H119 B | 8 | 1 | µg/l | 0.308 | ± | 0.0194 | 0.281 | 0.329 | 0.0183 | 5.9 |
| Bentazone | H119 A | 11 | 1 | µg/l | 0.216 | ± | 0.0189 | 0.174 | 0.243 | 0.0209 | 9.7 |
| | H119 B | 11 | 1 | µg/l | 0.451 | ± | 0.0473 | 0.356 | 0.555 | 0.0523 | 12 |
| Chlorothalonil-4-hydroxy | H119 A | 3 | 0 | µg/l | - | ± | - | 0.612 | 0.68 | - | - |
| | H119 B | 3 | 0 | µg/l | - | ± | - | 0.493 | 0.5 | - | - |
| Chlorothalonil Metabolite R471811 | H119 A | 8 | 0 | µg/l | 0.479 | ± | 0.0511 | 0.411 | 0.542 | 0.0482 | 10 |
| | H119 B | 6 | 1 | µg/l | 0.637 | ± | 0.0839 | 0.537 | 0.745 | 0.0685 | 11 |
| Chlorothalonil Metabolite R611965 (3-carbamyl-2,4,5-trichlorobenzoic acid) | H119 A | 4 | 0 | µg/l | - | ± | - | 0.305 | 0.394 | - | - |
| | H119 B | 4 | 0 | µg/l | - | ± | - | 0.154 | 0.21 | - | - |
| Chlorothalonil Metabolite R611968 | H119 A | 2 | 0 | µg/l | - | ± | - | 0.35 | 0.363 | - | - |
| | H119 B | 2 | 0 | µg/l | - | ± | - | 0.23 | 0.259 | - | - |
| Chlorothalonil Metabolite SYN507900 | H119 A | 3 | 0 | µg/l | - | ± | - | 0.541 | 0.6 | - | - |
| | H119 B | 3 | 0 | µg/l | - | ± | - | 0.22 | 0.266 | - | - |
| Chlorothalonil Metabolite SYN548580 | H119 A | 1 | 0 | µg/l | - | ± | - | 0.394 | 0.394 | - | - |
| | H119 B | 1 | 0 | µg/l | - | ± | - | 0.605 | 0.605 | - | - |
| Chlorothalonil Metabolite SYN548581 | H119 A | 2 | 0 | µg/l | - | ± | - | 0.498 | 0.56 | - | - |

| Parameter | Sample | Number of results for calculation | Number of outliers | Unit | Mean | ± | CI (99%) | Minimum | Maximum | sR | vR [%] |
|---|--------|-----------------------------------|--------------------|------|-------|---|----------|---------|---------|---------|--------|
| Chlorothalonil Metabolite SYN548581 | H119 B | 2 | 0 | µg/l | - | ± | - | 0.18 | 0.24 | - | - |
| Chlorothalonil sulfonic acid (Chlorothalonil-ESA) | H119 A | 7 | 0 | µg/l | 0.447 | ± | 0.048 | 0.375 | 0.51 | 0.0423 | 9.5 |
| | H119 B | 7 | 0 | µg/l | 0.224 | ± | 0.027 | 0.181 | 0.246 | 0.0238 | 11 |
| Dicamba | H119 A | 5 | 0 | µg/l | - | ± | - | 0.413 | 0.743 | - | - |
| | H119 B | 4 | 0 | µg/l | - | ± | - | 0.484 | 0.783 | - | - |
| Dichlorprop | H119 A | 9 | 0 | µg/l | 0.361 | ± | 0.0229 | 0.325 | 0.386 | 0.0229 | 6.3 |
| | H119 B | 8 | 1 | µg/l | 0.615 | ± | 0.0454 | 0.53 | 0.655 | 0.0428 | 7 |
| Dimethachlor Metabolite - CGA 369873 | H119 A | 5 | 0 | µg/l | - | ± | - | 0.294 | 0.438 | - | - |
| | H119 B | 5 | 0 | µg/l | - | ± | - | 0.31 | 0.441 | - | - |
| Glufosinate | H119 A | 4 | 1 | µg/l | - | ± | - | 0.542 | 0.627 | - | - |
| | H119 B | 5 | 0 | µg/l | - | ± | - | 0.273 | 0.605 | - | - |
| Glyphosate | H119 A | 9 | 0 | µg/l | 0.219 | ± | 0.0325 | 0.15 | 0.265 | 0.0325 | 15 |
| | H119 B | 9 | 0 | µg/l | 0.517 | ± | 0.0808 | 0.361 | 0.617 | 0.0808 | 16 |
| MCPP (Mecoprop) | H119 A | 11 | 1 | µg/l | 0.189 | ± | 0.00899 | 0.17 | 0.201 | 0.00994 | 5.3 |
| | H119 B | 11 | 1 | µg/l | 0.315 | ± | 0.0217 | 0.274 | 0.358 | 0.024 | 7.6 |
| Metazachlor | H119 A | 10 | 0 | µg/l | 0.201 | ± | 0.00761 | 0.185 | 0.21 | 0.00802 | 4 |
| | H119 B | 9 | 1 | µg/l | 0.413 | ± | 0.0104 | 0.397 | 0.427 | 0.0104 | 2.5 |
| Metazachlor ethane sulfonic acid (Metazachlor-ESA) | H119 A | 9 | 0 | µg/l | 0.298 | ± | 0.0349 | 0.244 | 0.339 | 0.0349 | 12 |
| | H119 B | 8 | 1 | µg/l | 0.13 | ± | 0.0116 | 0.109 | 0.144 | 0.0109 | 8.4 |
| Metazachlor oxanilic acid (Metazachlor-OA) | H119 A | 9 | 0 | µg/l | 0.345 | ± | 0.0457 | 0.283 | 0.41 | 0.0457 | 13 |
| | H119 B | 9 | 0 | µg/l | 0.141 | ± | 0.022 | 0.113 | 0.179 | 0.022 | 16 |
| Metolachlor | H119 A | 10 | 1 | µg/l | 0.123 | ± | 0.00675 | 0.114 | 0.135 | 0.00712 | 5.8 |
| | H119 B | 10 | 1 | µg/l | 0.378 | ± | 0.0193 | 0.354 | 0.411 | 0.0203 | 5.4 |
| s-Metolachlor ethanesulfonic acid (Metolachlor-ESA) | H119 A | 8 | 1 | µg/l | 0.333 | ± | 0.029 | 0.278 | 0.37 | 0.0274 | 8.2 |
| | H119 B | 8 | 1 | µg/l | 0.222 | ± | 0.0154 | 0.194 | 0.24 | 0.0145 | 6.5 |
| s-Metolachlor oxanilic acid (Metolachlor-OA) | H119 A | 6 | 2 | µg/l | 0.573 | ± | 0.0256 | 0.545 | 0.61 | 0.0209 | 3.6 |
| | H119 B | 7 | 1 | µg/l | 0.314 | ± | 0.0216 | 0.274 | 0.337 | 0.0191 | 6.1 |

E7. Parameterorientierte Auswertung / Parameter oriented report

| | |
|--|-----|
| 2,4,5-Trichlorophenoxyacetic acid | 41 |
| 2,4-D (2,4-Dichlorphenoxyaceticacid) | 45 |
| Alachlor | 53 |
| Alachlor-t-acid (Alachlor-OA) | 61 |
| Alachlor-t-sulfonic acid (Alachlor-ESA) | 65 |
| AMPA | 69 |
| Bentazone | 77 |
| Chlorothalonil-4-hydroxy | 85 |
| Chlorothalonil Metabolite R471811 | 89 |
| Chlorothalonil Metabolite R611965 (3-carbamyl-2,4,5- trichlorobenzoic acid)..... | 97 |
| Chlorothalonil Metabolite R611968..... | 101 |
| Chlorothalonil Metabolite SYN507900 | 105 |
| Chlorothalonil Metabolite SYN548580 | 109 |
| Chlorothalonil Metabolite SYN548581 | 113 |
| Chlorothalonil Metabolite sulfonic acid (Chlorothalonil-ESA)..... | 117 |
| Dicamba | 125 |
| Dichlorprop..... | 129 |
| Dimethachlor Metabolite – CGA 369873..... | 137 |
| Glufosinate | 141 |
| Glyphosate | 145 |
| MCPP (Mecoprop)..... | 153 |
| Metazachlor..... | 161 |
| Metazachlor ethane sulfonic acid (Metazachlor-ESA)..... | 169 |
| Metazachlor oxanilic acid (Metazachlor-OA)..... | 177 |
| Metolachlor..... | 185 |
| s-Metolachlor ethanesulfonic acid (Metolachlor-ESA)..... | 193 |
| s-Metolachlor oxanilic acid (Metolachlor-OA)..... | 201 |

Parameter oriented report Pesticides H119

Sample: H119A, Parameter: 2,4,5-Trichlorophenoxyacetic acid

Parameter oriented report

H119 A

2,4,5-Trichlorophenoxyacetic acid*

| | |
|------------------------------|---------------|
| Unit | µg/l |
| Assigned value ± U (k=2) | - |
| Criterion | - |
| Minimum - Maximum | 0.254 - 0.275 |
| Control test value ± U (k=2) | 0.303 ± 0.121 |

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

This can be used for comparison as part of your internal QA measures: MV (n=4; accr.) +/- U(k=2): 0.263 +/- 0.00873 µg/l

| Labcode | Result | ± U | Recovery [%] | z-score | Comments |
|---------|--------|--------|--------------|---------|----------|
| LC0001 | 0.275 | 0.069 | - | - | |
| LC0002 | - | - | - | - | |
| LC0003 | 0.263 | 0.04 | - | - | |
| LC0004 | - | - | - | - | |
| LC0005 | 0.349 | 0.077 | - | - | H |
| LC0006 | - | - | - | - | |
| LC0007 | - | - | - | - | |
| LC0008 | 0.262 | 0.03 | - | - | |
| LC0009 | - | - | - | - | |
| LC0010 | - | - | - | - | |
| LC0011 | - | - | - | - | |
| LC0012 | - | - | - | - | |
| LC0013 | 0.2538 | 0.0203 | - | - | |
| LC0014 | - | - | - | - | |
| LC0015 | - | - | - | - | |

Characteristics of parameter

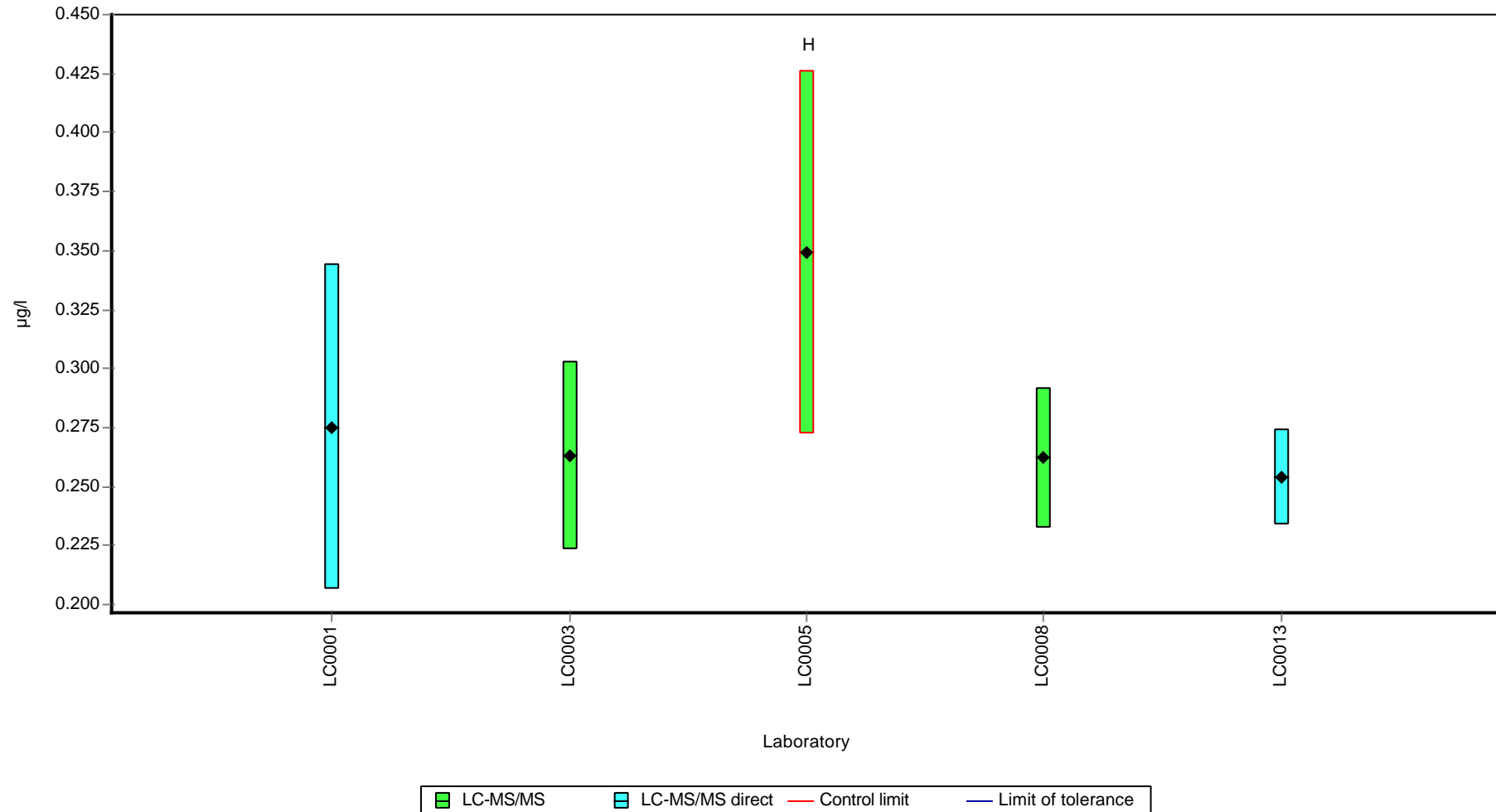
| | all results | without outliers | Unit |
|-------------------------|----------------|------------------|------|
| Mean ± CI (99%) | 0.281 ± 0.0523 | - | µg/l |
| Minimum | 0.254 | 0.254 | µg/l |
| Maximum | 0.349 | 0.275 | µg/l |
| Standard deviation | 0.039 | - | µg/l |
| rel. standard deviation | 13.9 | - | % |
| n | 5 | 4 | - |

Parameter oriented report Pesticides H119

Sample: H119A, Parameter: 2,4,5-Trichlorophenoxyacetic acid

Graphical presentation of results

Results



Parameter oriented report Pesticides H119

Sample: H119B, Parameter: 2,4,5-Trichlorophenoxyacetic acid

Parameter oriented report

H119 B

2,4,5-Trichlorophenoxyacetic acid*

| | |
|------------------------------|---------------|
| Unit | µg/l |
| Assigned value ± U (k=2) | - |
| Criterion | - |
| Minimum - Maximum | 0.185 - 0.385 |
| Control test value ± U (k=2) | 0.332 ± 0.133 |

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

This can be used for comparison as part of your internal QA measures: MV (n=4; accr.) +/- U(k=2): 0.249 +/- 0.0473 µg/l

| Labcode | Result | ± U | Recovery [%] | z-score | Comments |
|---------|--------|--------|--------------|---------|----------|
| LC0001 | 0.287 | 0.072 | - | - | |
| LC0002 | - | - | - | - | |
| LC0003 | 0.282 | 0.045 | - | - | |
| LC0004 | - | - | - | - | |
| LC0005 | 0.385 | 0.085 | - | - | |
| LC0006 | - | - | - | - | |
| LC0007 | - | - | - | - | |
| LC0008 | 0.185 | 0.02 | - | - | |
| LC0009 | - | - | - | - | |
| LC0010 | - | - | - | - | |
| LC0011 | - | - | - | - | |
| LC0012 | - | - | - | - | |
| LC0013 | 0.24 | 0.0192 | - | - | |
| LC0014 | - | - | - | - | |
| LC0015 | - | - | - | - | |

Characteristics of parameter

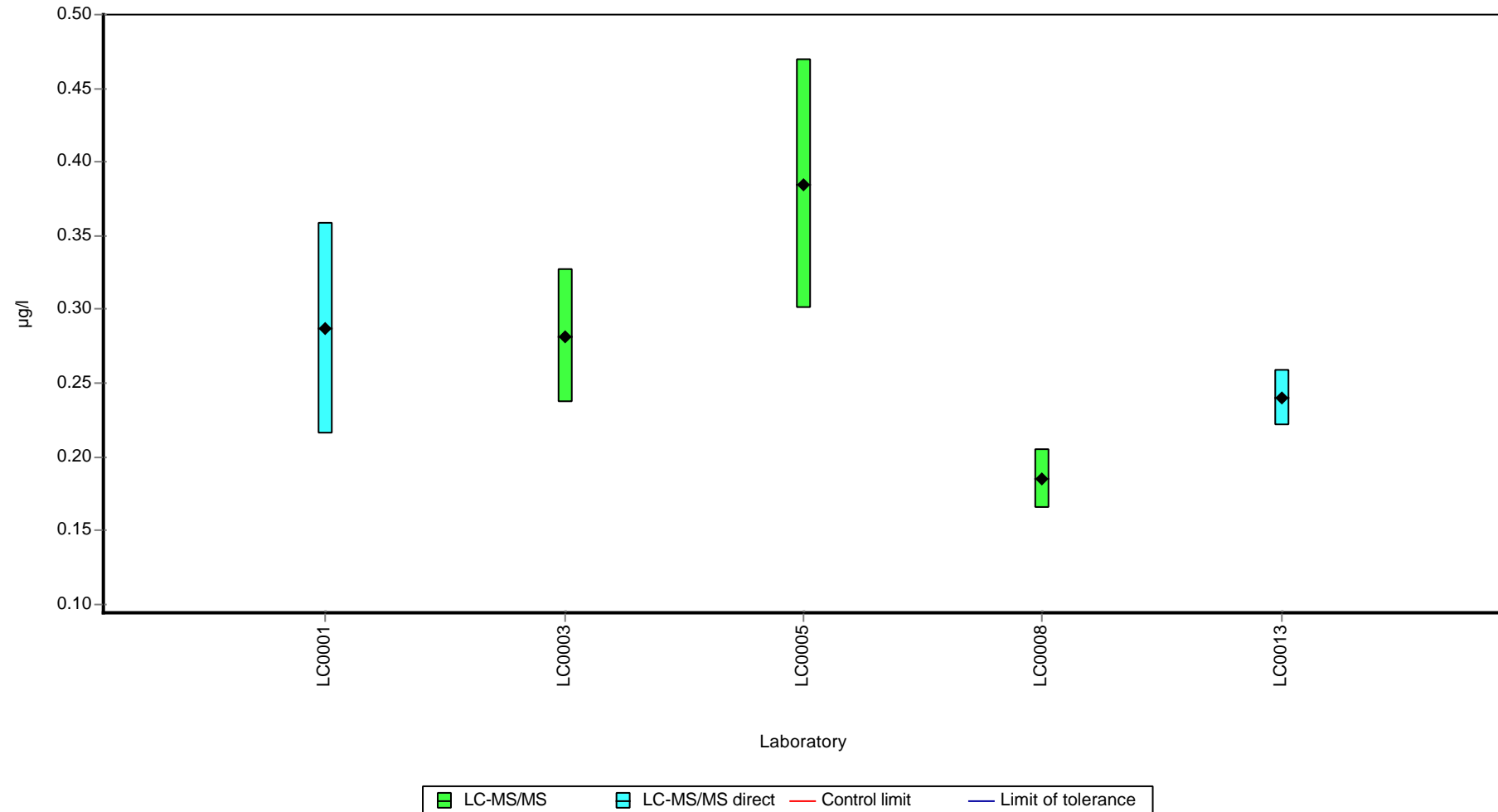
| | all results | w ithout outliers | Unit |
|-------------------------|----------------|-------------------|------|
| Mean ± CI (99%) | 0.276 ± 0.0986 | - | µg/l |
| Minimum | 0.185 | 0.185 | µg/l |
| Maximum | 0.385 | 0.385 | µg/l |
| Standard deviation | 0.0735 | - | µg/l |
| rel. standard deviation | 26.7 | - | % |
| n | 5 | 5 | - |

Parameter oriented report Pesticides H119

Sample: H119B, Parameter: 2,4,5-Trichlorophenoxyacetic acid

Graphical presentation of results

Results



Parameter oriented report Pesticides H119

Sample: H119A, Parameter: 2,4-D (2,4-Dichlorphenoxyaceticacid)

Parameter oriented report

H119 A

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

| | |
|------------------------------|----------------|
| Unit | µg/l |
| Assigned value ± U (k=2) | 0.317 ± 0.0271 |
| Criterion | 0.0444 (14 %) |
| Minimum - Maximum | 0.27 - 0.415 |
| Control test value ± U (k=2) | 0.405 ± 0.142 |

| Labcode | Result | ± U | Recovery [%] | z-score | Comments |
|---------|--------|---------|--------------|---------|----------|
| LC0001 | 0.329 | 0.1 | 104 | 0.27 | |
| LC0002 | 0.341 | 0.003 | 108 | 0.54 | |
| LC0003 | 0.321 | 0.05 | 101 | 0.09 | |
| LC0004 | - | - | - | - | |
| LC0005 | 0.415 | 0.091 | 131 | 2.21 | |
| LC0006 | - | - | - | - | |
| LC0007 | - | - | - | - | |
| LC0008 | 0.333 | 0.13 | 105 | 0.36 | |
| LC0009 | 0.31 | 0.009 | 97.8 | -0.16 | |
| LC0010 | 0.274 | 0.08968 | 86.4 | -0.97 | |
| LC0011 | 0.27 | 0.049 | 85.2 | -1.06 | |
| LC0012 | 0.3 | 0.09 | 94.6 | -0.38 | |
| LC0013 | 0.2776 | 0.0264 | 87.6 | -0.89 | |
| LC0014 | - | - | - | - | |
| LC0015 | - | - | - | - | |

Characteristics of parameter

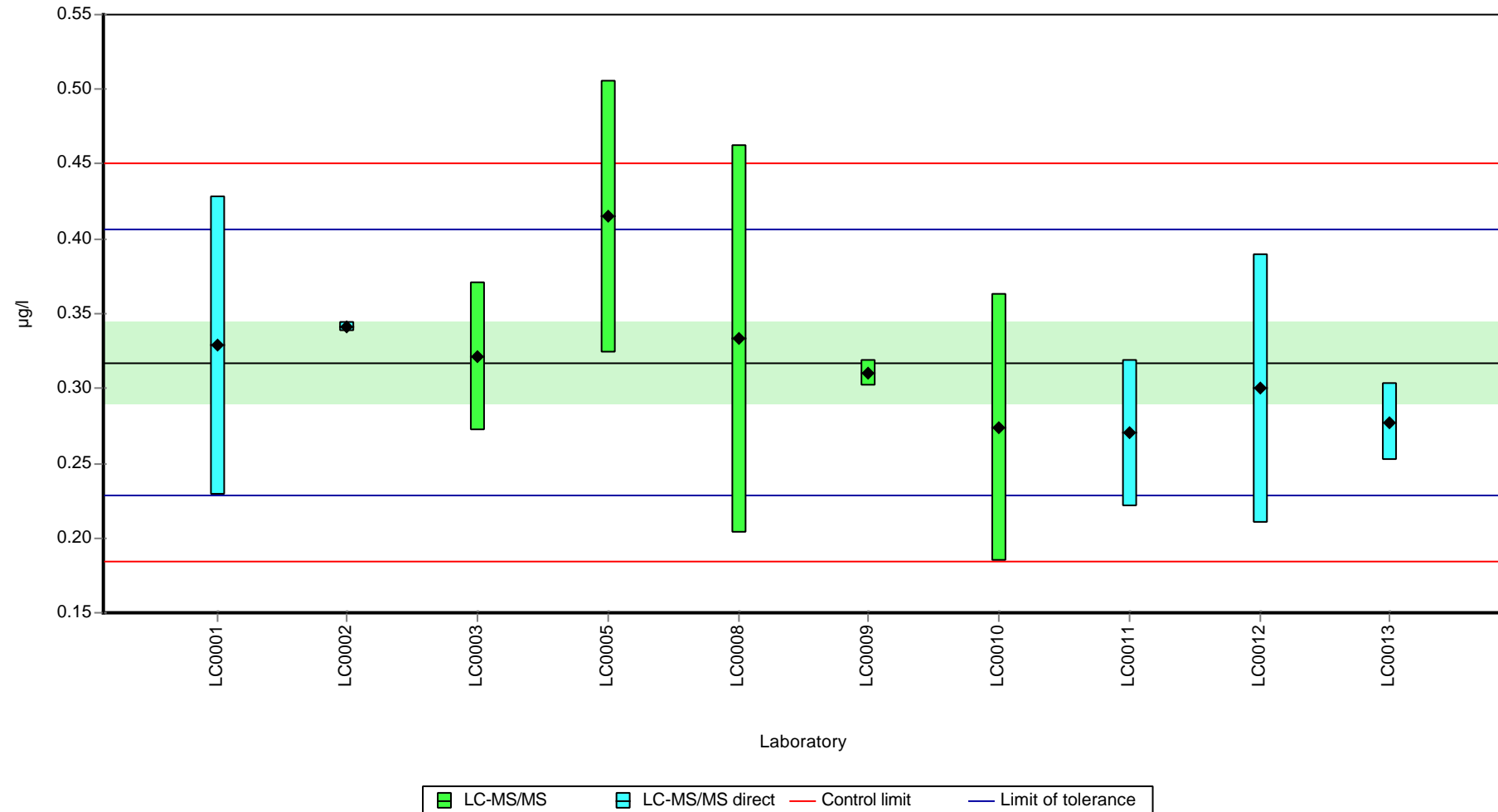
| | all results | without outliers | Unit |
|-------------------------|----------------|------------------|------|
| Mean ± CI (99%) | 0.317 ± 0.0407 | 0.317 ± 0.0407 | µg/l |
| Minimum | 0.27 | 0.27 | µg/l |
| Maximum | 0.415 | 0.415 | µg/l |
| Standard deviation | 0.0429 | 0.0429 | µg/l |
| rel. standard deviation | 13.5 | 13.5 | % |
| n | 10 | 10 | - |

Parameter oriented report Pesticides H119

Sample: H119A, Parameter: 2,4-D (2,4-Dichlorphenoxyaceticacid)

Graphical presentation of results

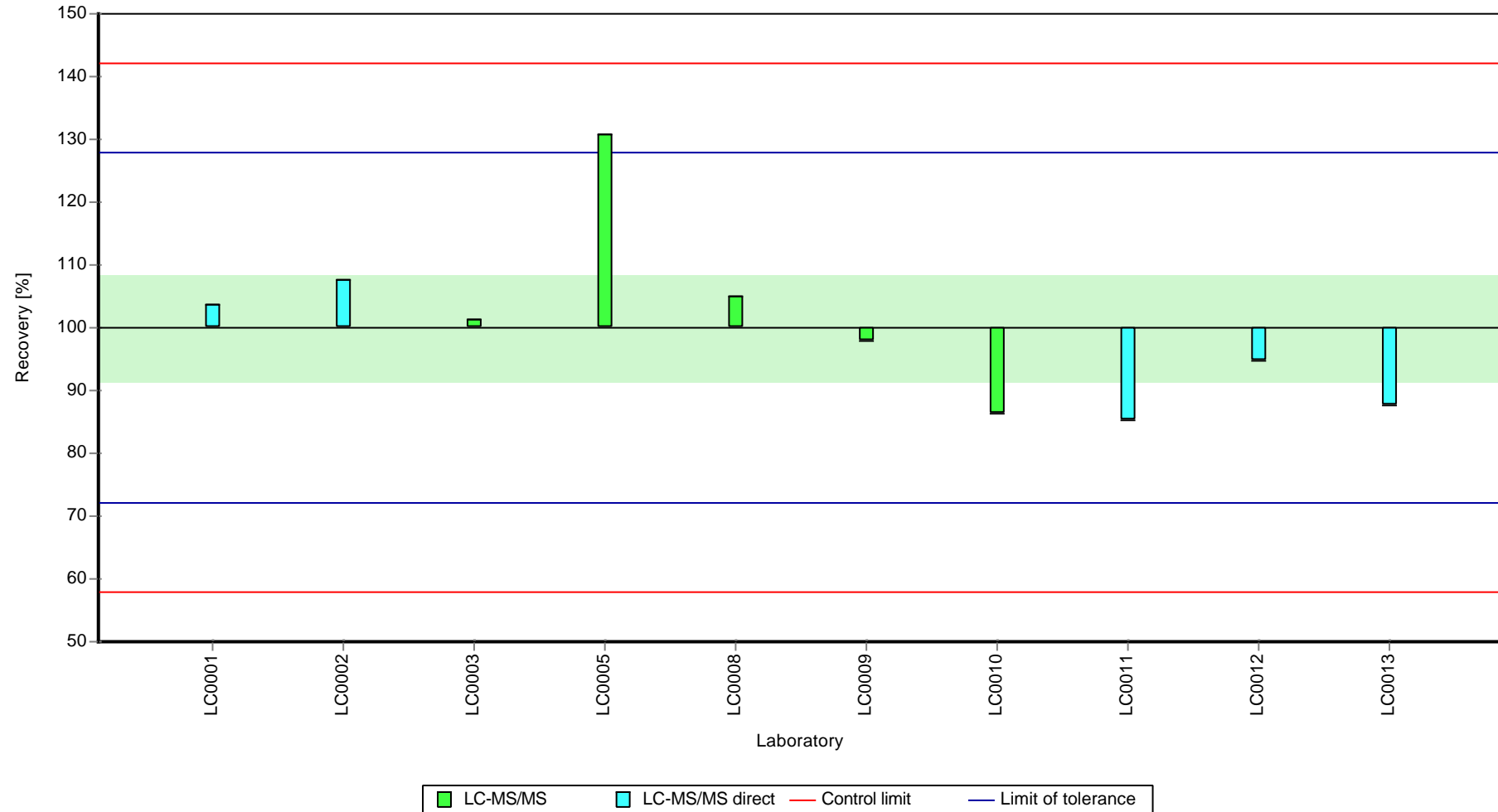
Results



Parameter oriented report Pesticides H119

Sample: H119A, Parameter: 2,4-D (2,4-Dichlorphenoxyaceticacid)

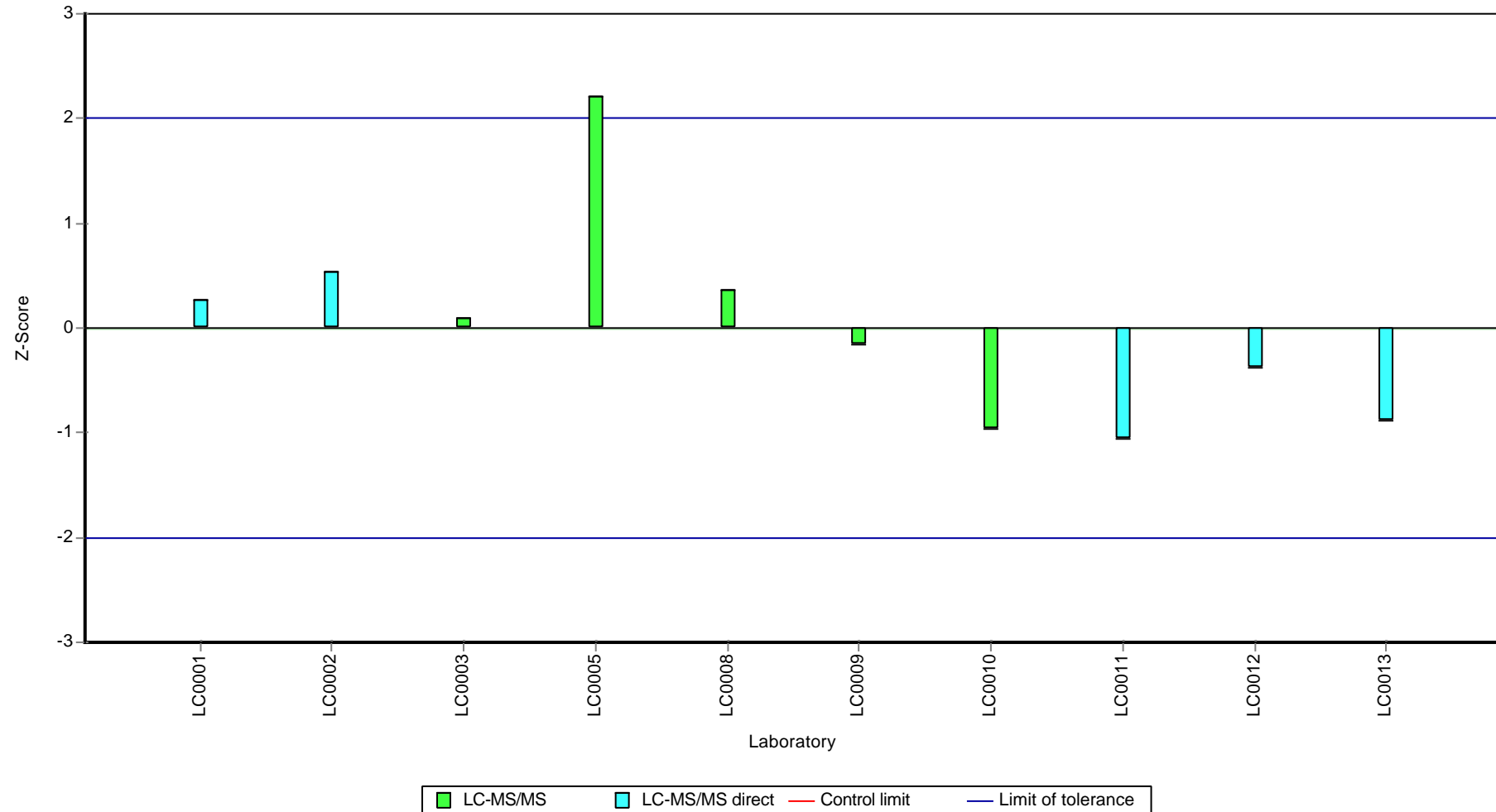
Recovery rate



Parameter oriented report Pesticides H119

Sample: H119A, Parameter: 2,4-D (2,4-Dichlorphenoxyaceticacid)

Z-score



Parameter oriented report Pesticides H119

Sample: H119B, Parameter: 2,4-D (2,4-Dichlorphenoxyaceticacid)

Parameter oriented report

H119 B

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

| | |
|------------------------------|----------------|
| Unit | µg/l |
| Assigned value ± U (k=2) | 0.312 ± 0.0206 |
| Criterion | 0.0437 (14 %) |
| Minimum - Maximum | 0.26 - 0.351 |
| Control test value ± U (k=2) | 0.410 ± 0.143 |

| Labcode | Result | ± U | Recovery [%] | z-score | Comments |
|---------|--------|---------|--------------|---------|----------|
| LC0001 | 0.328 | 0.1 | 105 | 0.37 | |
| LC0002 | 0.337 | 0.01 | 108 | 0.58 | |
| LC0003 | 0.326 | 0.05 | 105 | 0.32 | |
| LC0004 | - | - | - | - | |
| LC0005 | 0.439 | 0.097 | 141 | 2.91 | H |
| LC0006 | - | - | - | - | |
| LC0007 | - | - | - | - | |
| LC0008 | 0.306 | 0.03 | 98.1 | -0.13 | |
| LC0009 | 0.314 | 0.009 | 101 | 0.05 | |
| LC0010 | 0.351 | 0.11488 | 113 | 0.9 | |
| LC0011 | 0.265 | 0.048 | 85 | -1.07 | |
| LC0012 | 0.32 | 0.1 | 103 | 0.19 | |
| LC0013 | 0.26 | 0.0299 | 83.4 | -1.19 | |
| LC0014 | - | - | - | - | |
| LC0015 | - | - | - | - | |

Characteristics of parameter

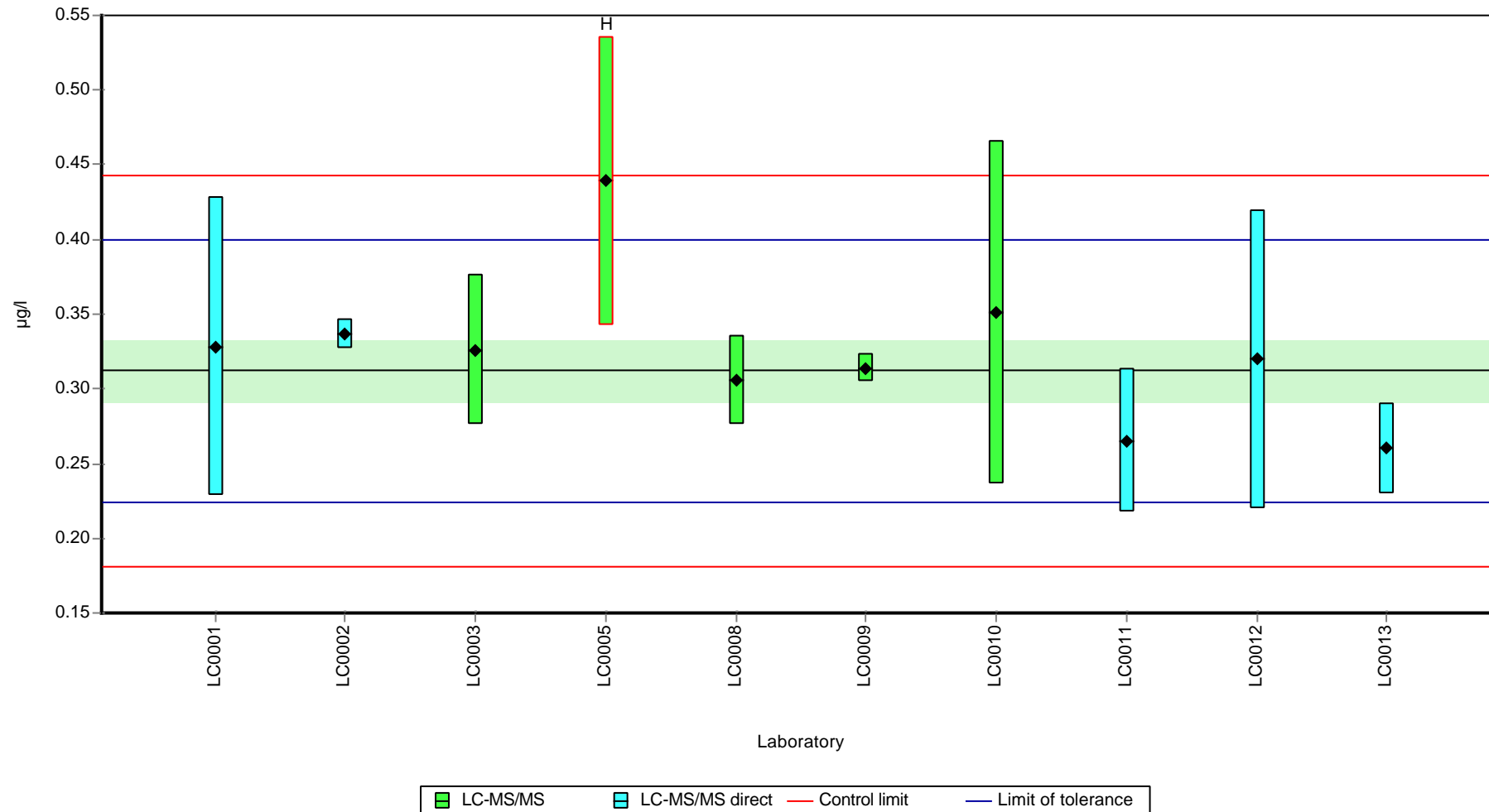
| | all results | without outliers | Unit |
|-------------------------|----------------|------------------|------|
| Mean ± CI (99%) | 0.325 ± 0.0471 | 0.312 ± 0.0309 | µg/l |
| Minimum | 0.26 | 0.26 | µg/l |
| Maximum | 0.439 | 0.351 | µg/l |
| Standard deviation | 0.0496 | 0.0309 | µg/l |
| rel. standard deviation | 15.3 | 9.89 | % |
| n | 10 | 9 | - |

Parameter oriented report Pesticides H119

Sample: H119B, Parameter: 2,4-D (2,4-Dichlorphenoxyaceticacid)

Graphical presentation of results

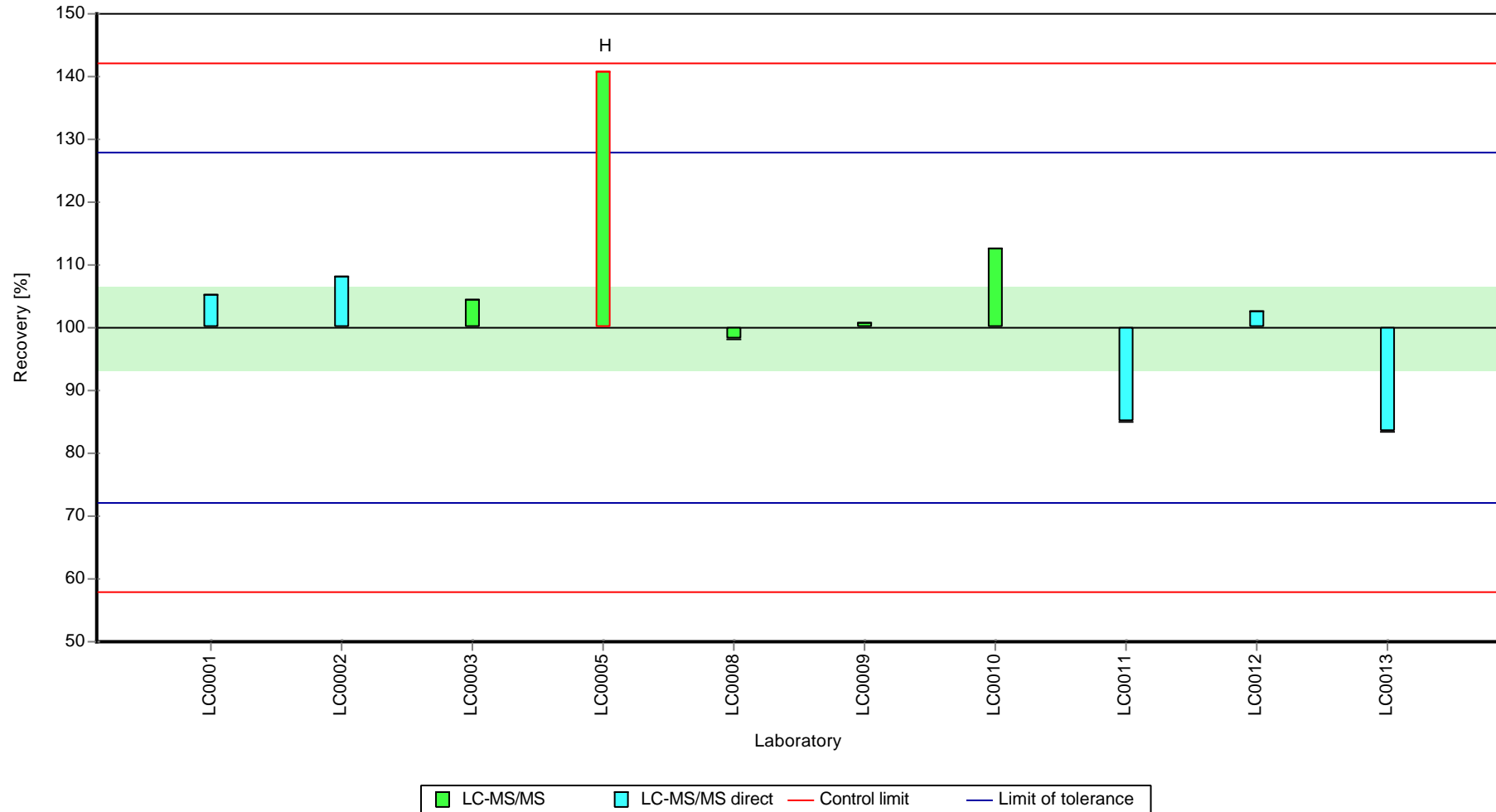
Results



Parameter oriented report Pesticides H119

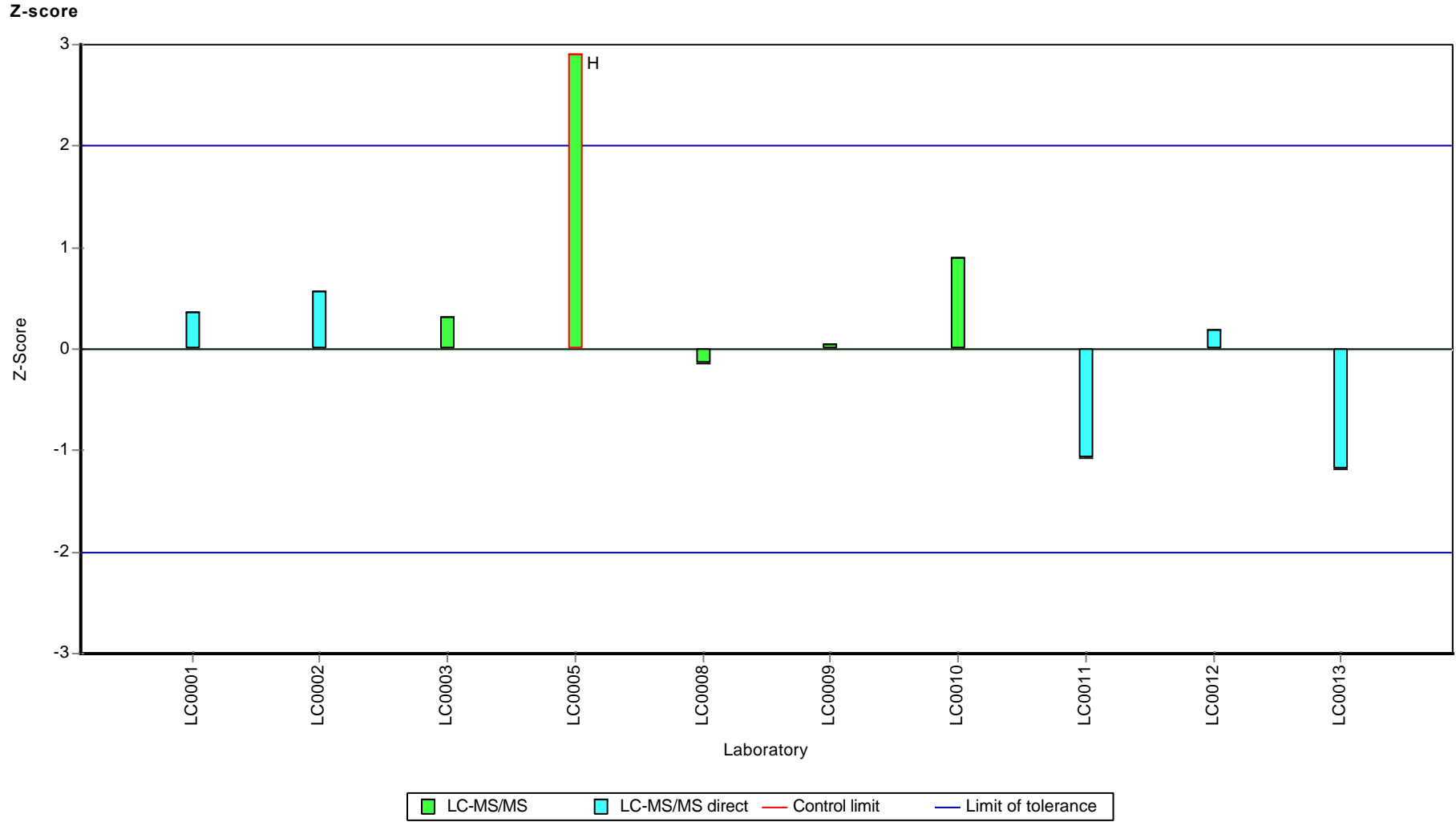
Sample: H119B, Parameter: 2,4-D (2,4-Dichlorphenoxyaceticacid)

Recovery rate



Parameter oriented report Pesticides H119

Sample: H119B, Parameter: 2,4-D (2,4-Dichlorphenoxyaceticacid)



Parameter oriented report Pesticides H119

Sample: H119A, Parameter: Alachlor

Parameter oriented report

H119 A

Alachlor

| | |
|------------------------------|----------------|
| Unit | µg/l |
| Assigned value ± U (k=2) | 0.297 ± 0.0282 |
| Criterion | 0.0356 (12 %) |
| Minimum - Maximum | 0.258 - 0.358 |
| Control test value ± U (k=2) | 0.291 ± 0.0582 |

| Labcode | Result | ± U | Recovery [%] | z-score | Comments |
|---------|--------|---------|--------------|---------|----------|
| LC0001 | 0.291 | 0.058 | 98.1 | -0.15 | |
| LC0002 | 0.284 | 0.004 | 95.8 | -0.35 | |
| LC0003 | 0.354 | 0.055 | 119 | 1.62 | |
| LC0004 | - | - | - | - | |
| LC0005 | 0.358 | 0.079 | 121 | 1.73 | |
| LC0006 | - | - | - | - | |
| LC0007 | - | - | - | - | |
| LC0008 | - | - | - | - | |
| LC0009 | 0.302 | 0.006 | 102 | 0.15 | |
| LC0010 | 0.259 | 0.07993 | 87.4 | -1.05 | |
| LC0011 | 0.266 | 0.048 | 89.7 | -0.86 | |
| LC0012 | - | - | - | - | |
| LC0013 | 0.258 | 0.04902 | 87 | -1.08 | |
| LC0014 | - | - | - | - | |
| LC0015 | - | - | - | - | |

Characteristics of parameter

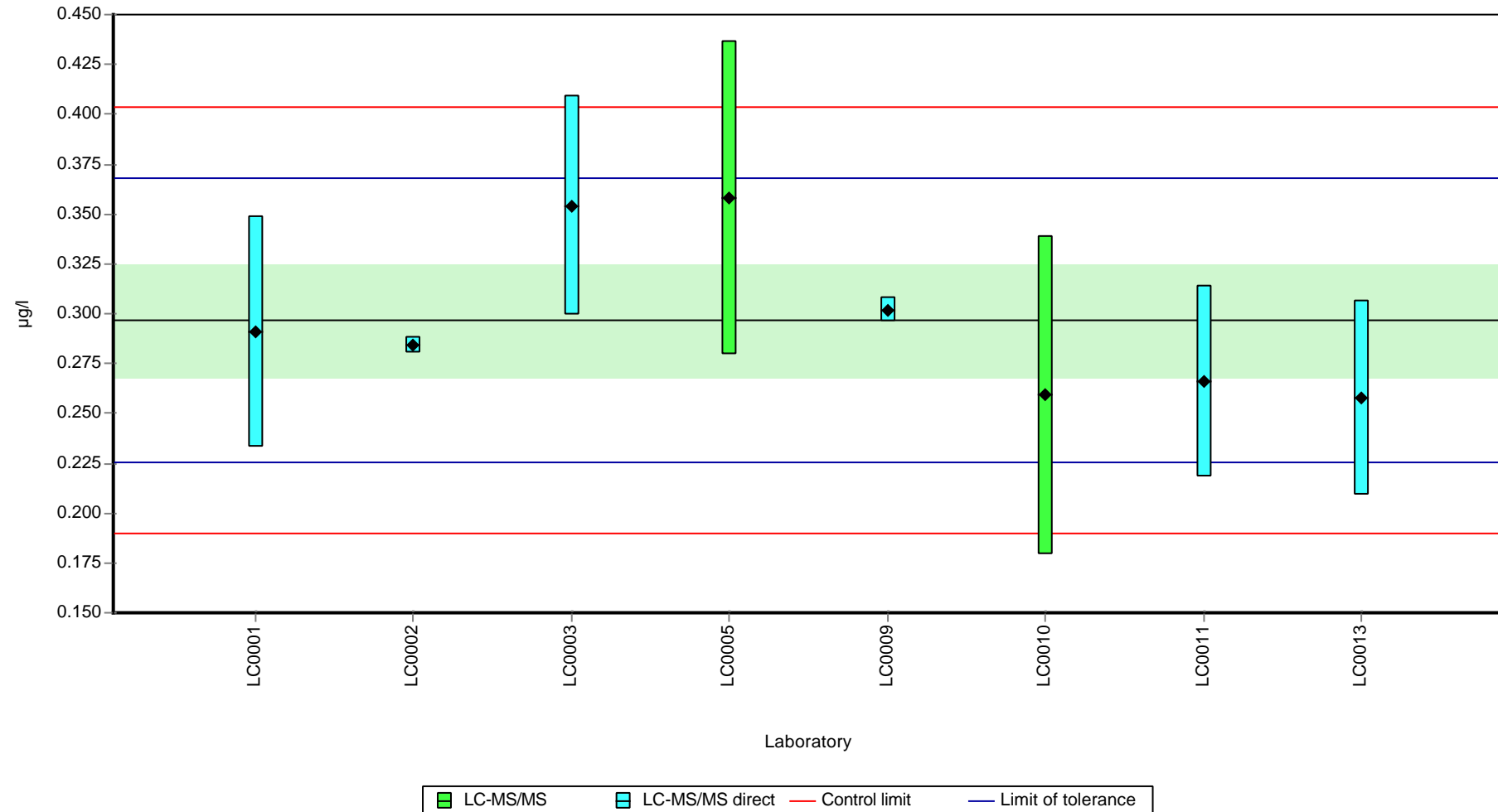
| | all results | without outliers | Unit |
|-------------------------|----------------|------------------|------|
| Mean ± CI (99%) | 0.296 ± 0.0423 | 0.297 ± 0.0423 | µg/l |
| Minimum | 0.258 | 0.258 | µg/l |
| Maximum | 0.358 | 0.358 | µg/l |
| Standard deviation | 0.0399 | 0.0399 | µg/l |
| rel. standard deviation | 13.4 | 13.4 | % |
| n | 8 | 8 | - |

Parameter oriented report Pesticides H119

Sample: H119A, Parameter: Alachlor

Graphical presentation of results

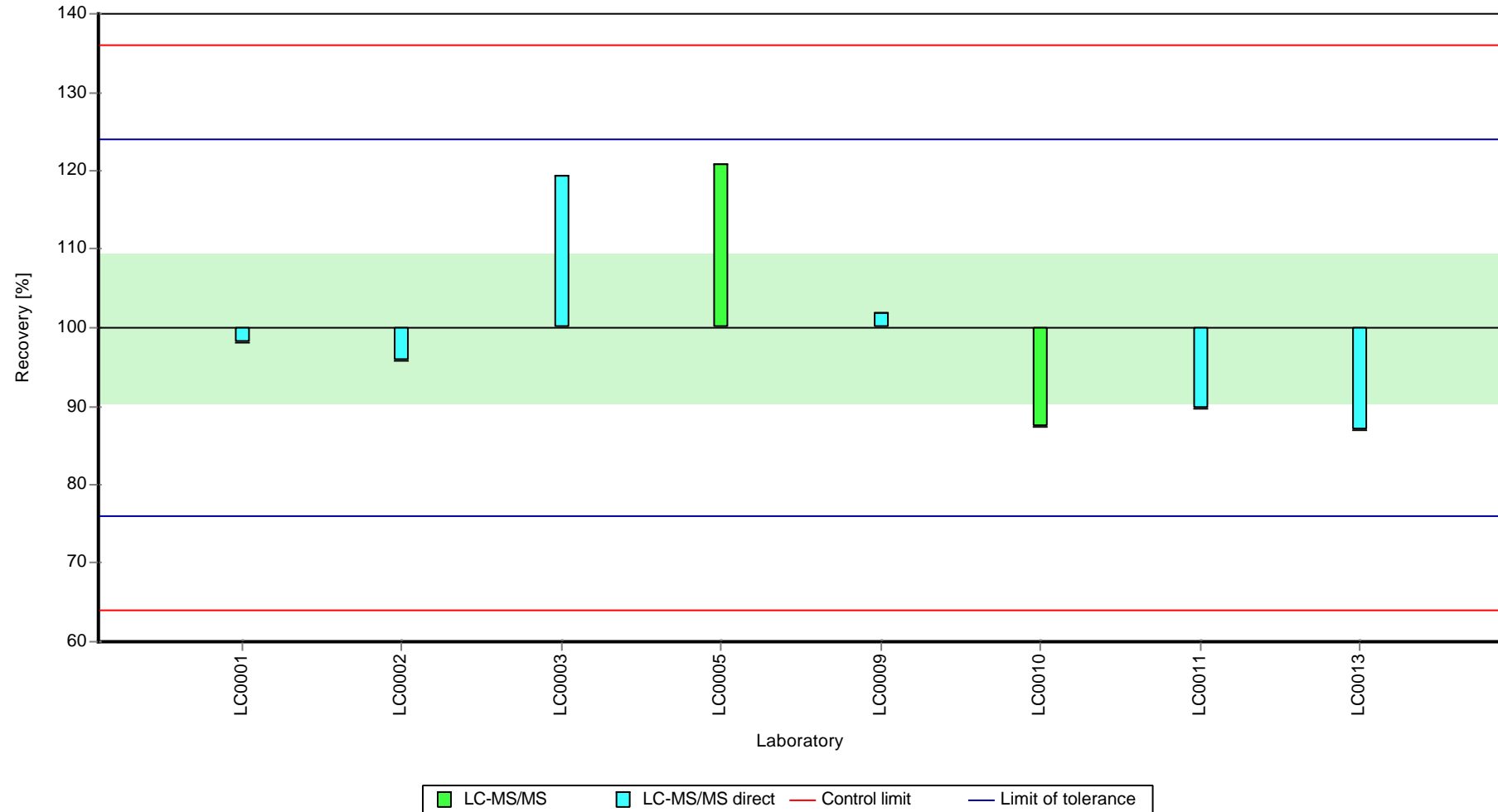
Results



Parameter oriented report Pesticides H119

Sample: H119A, Parameter: Alachlor

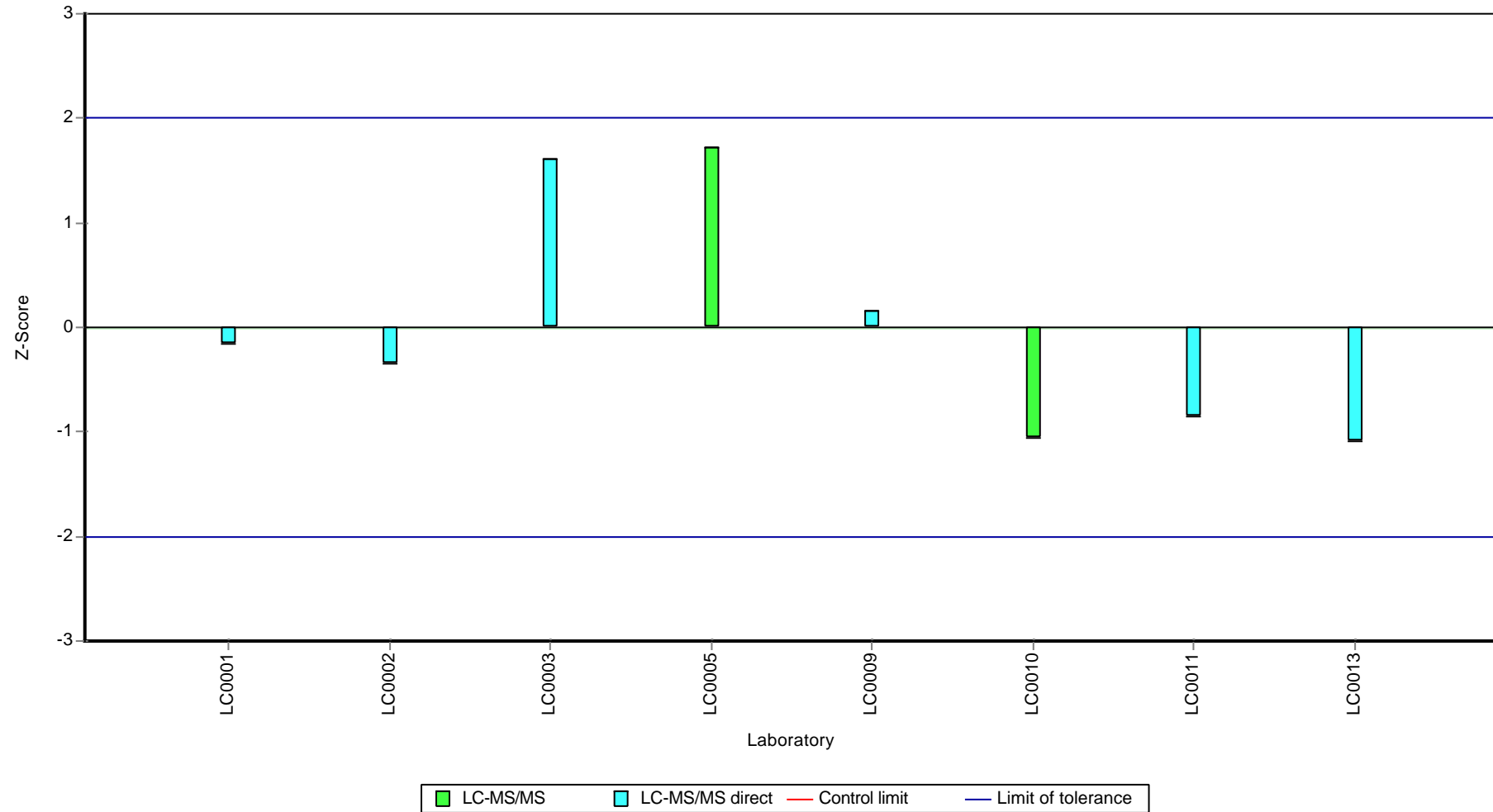
Recovery rate



Parameter oriented report Pesticides H119

Sample: H119A, Parameter: Alachlor

Z-score



Parameter oriented report Pesticides H119

Sample: H119B, Parameter: Alachlor

Parameter oriented report

H119 B

Alachlor

| | |
|------------------------------|----------------|
| Unit | µg/l |
| Assigned value ± U (k=2) | 0.287 ± 0.0139 |
| Criterion | 0.0345 (12 %) |
| Minimum - Maximum | 0.266 - 0.324 |
| Control test value ± U (k=2) | 0.330 ± 0.066 |

| Labcode | Result | ± U | Recovery [%] | z-score | Comments |
|---------|--------|---------|--------------|---------|----------|
| LC0001 | 0.292 | 0.058 | 102 | 0.13 | |
| LC0002 | 0.287 | 0.007 | 99.9 | -0.01 | |
| LC0003 | 0.283 | 0.045 | 98.5 | -0.13 | |
| LC0004 | - | - | - | - | |
| LC0005 | 0.389 | 0.086 | 135 | 2.94 | H |
| LC0006 | - | - | - | - | |
| LC0007 | - | - | - | - | |
| LC0008 | - | - | - | - | |
| LC0009 | 0.324 | 0.006 | 113 | 1.06 | |
| LC0010 | 0.266 | 0.08209 | 92.5 | -0.62 | |
| LC0011 | 0.274 | 0.049 | 95.3 | -0.39 | |
| LC0012 | - | - | - | - | |
| LC0013 | 0.286 | 0.0457 | 99.5 | -0.04 | |
| LC0014 | - | - | - | - | |
| LC0015 | - | - | - | - | |

Characteristics of parameter

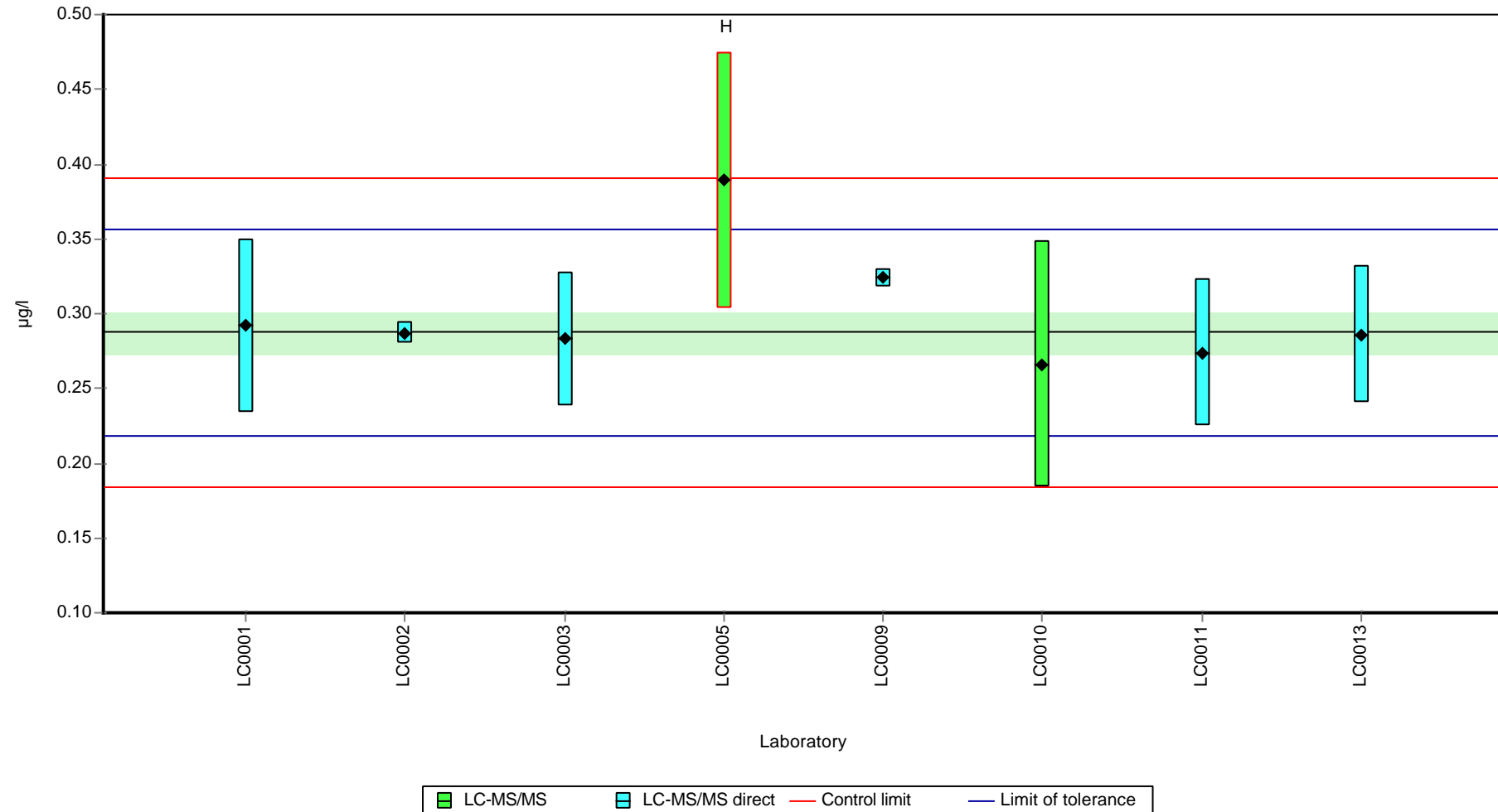
| | all results | without outliers | Unit |
|-------------------------|--------------|------------------|------|
| Mean ± CI (99%) | 0.3 ± 0.0421 | 0.287 ± 0.0208 | µg/l |
| Minimum | 0.266 | 0.266 | µg/l |
| Maximum | 0.389 | 0.324 | µg/l |
| Standard deviation | 0.0397 | 0.0183 | µg/l |
| rel. standard deviation | 13.2 | 6.38 | % |
| n | 8 | 7 | - |

Parameter oriented report Pesticides H119

Sample: H119B, Parameter: Alachlor

Graphical presentation of results

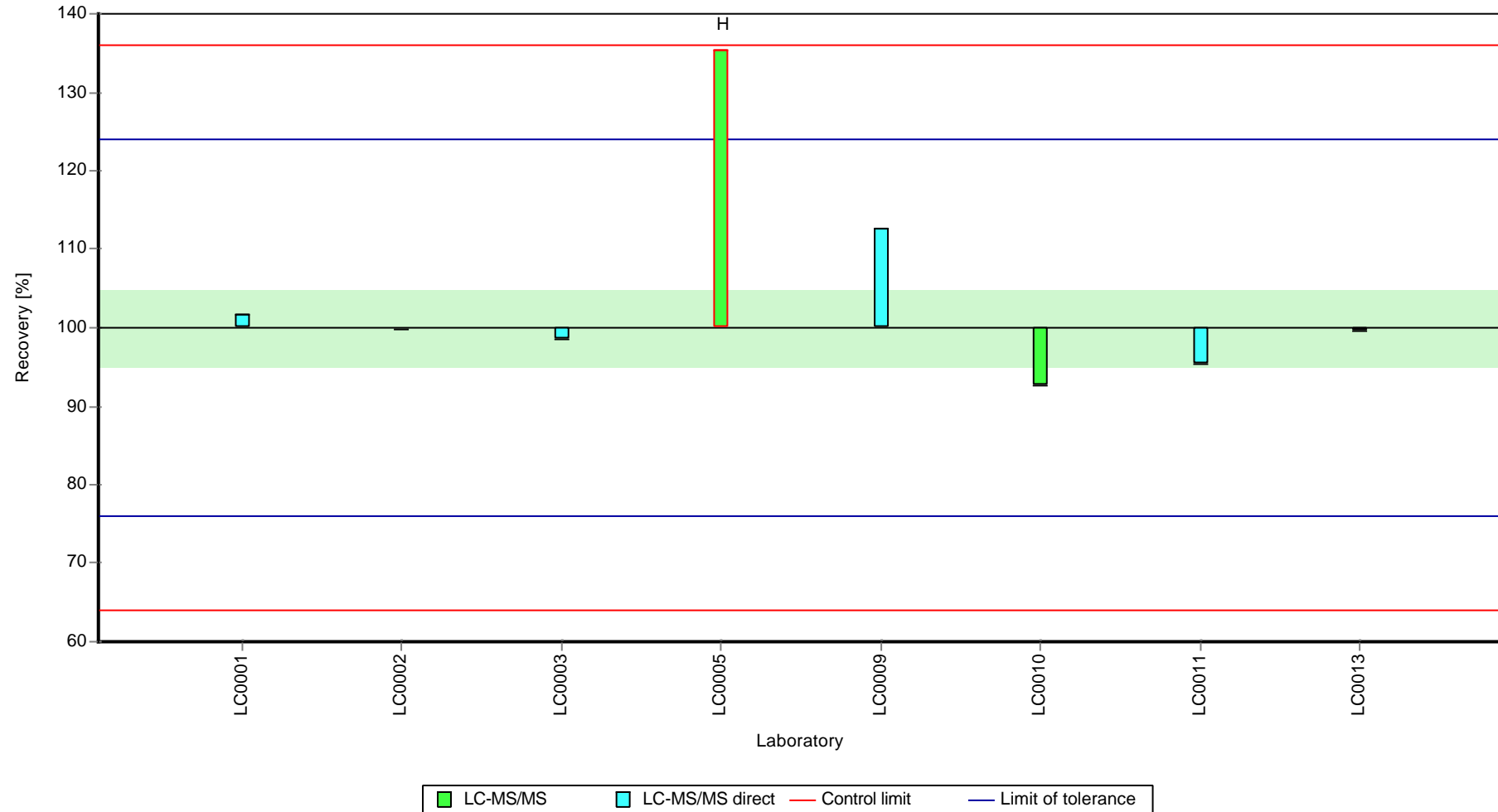
Results



Parameter oriented report Pesticides H119

Sample: H119B, Parameter: Alachlor

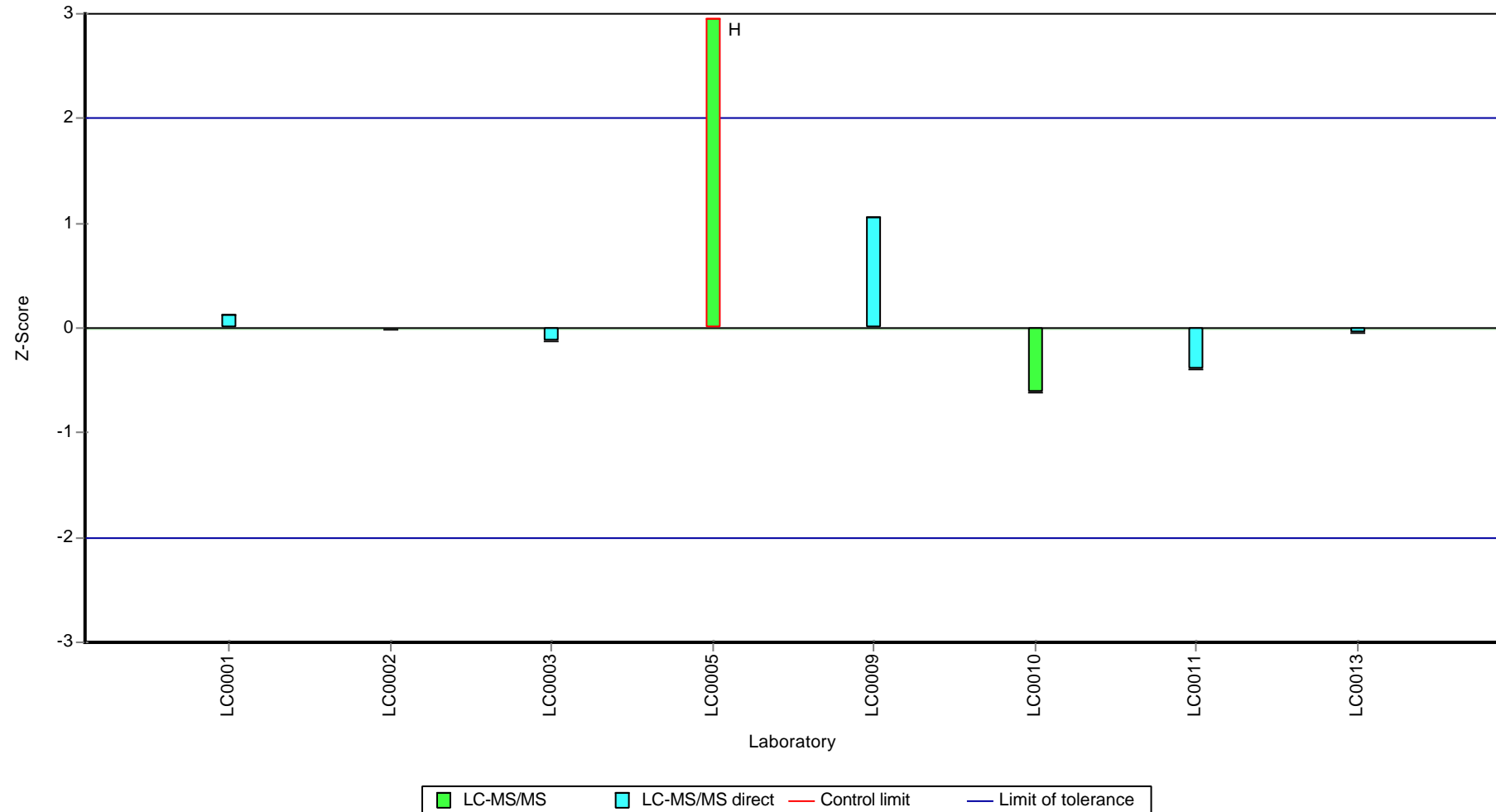
Recovery rate



Parameter oriented report Pesticides H119

Sample: H119B, Parameter: Alachlor

Z-score



Parameter oriented report Pesticides H119

Sample: H119A, Parameter: Alachlor-t-acid (Alachlor-OA)

Parameter oriented report

H119 A

Alachlor-t-acid (Alachlor-OA)*

Unit $\mu\text{g/l}$
Assigned value $\pm U$ (k=2) -
Criterion -
Minimum - Maximum 0.183 - 0.205
Control test value $\pm U$ (k=2) 0.202 ± 0.0303

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

This can be used for comparison as part of your internal QA measures:
MV (n=4; accr.) $\pm U$ (k=2): $0.194 \pm 0.00932 \mu\text{g/l}$

| Labcode | Result | $\pm U$ | Recovery [%] | z-score | Comments |
|---------|--------|---------|--------------|---------|----------|
| LC0001 | - | - | - | - | |
| LC0002 | - | - | - | - | |
| LC0003 | 0.205 | 0.03 | - | - | |
| LC0004 | - | - | - | - | |
| LC0005 | - | - | - | - | |
| LC0006 | - | - | - | - | |
| LC0007 | - | - | - | - | |
| LC0008 | - | - | - | - | |
| LC0009 | - | - | - | - | |
| LC0010 | 0.196 | 0.03693 | - | - | |
| LC0011 | 0.183 | 0.033 | - | - | |
| LC0012 | - | - | - | - | |
| LC0013 | 0.1901 | 0.034 | - | - | |
| LC0014 | - | - | - | - | |
| LC0015 | - | - | - | - | |

Characteristics of parameter

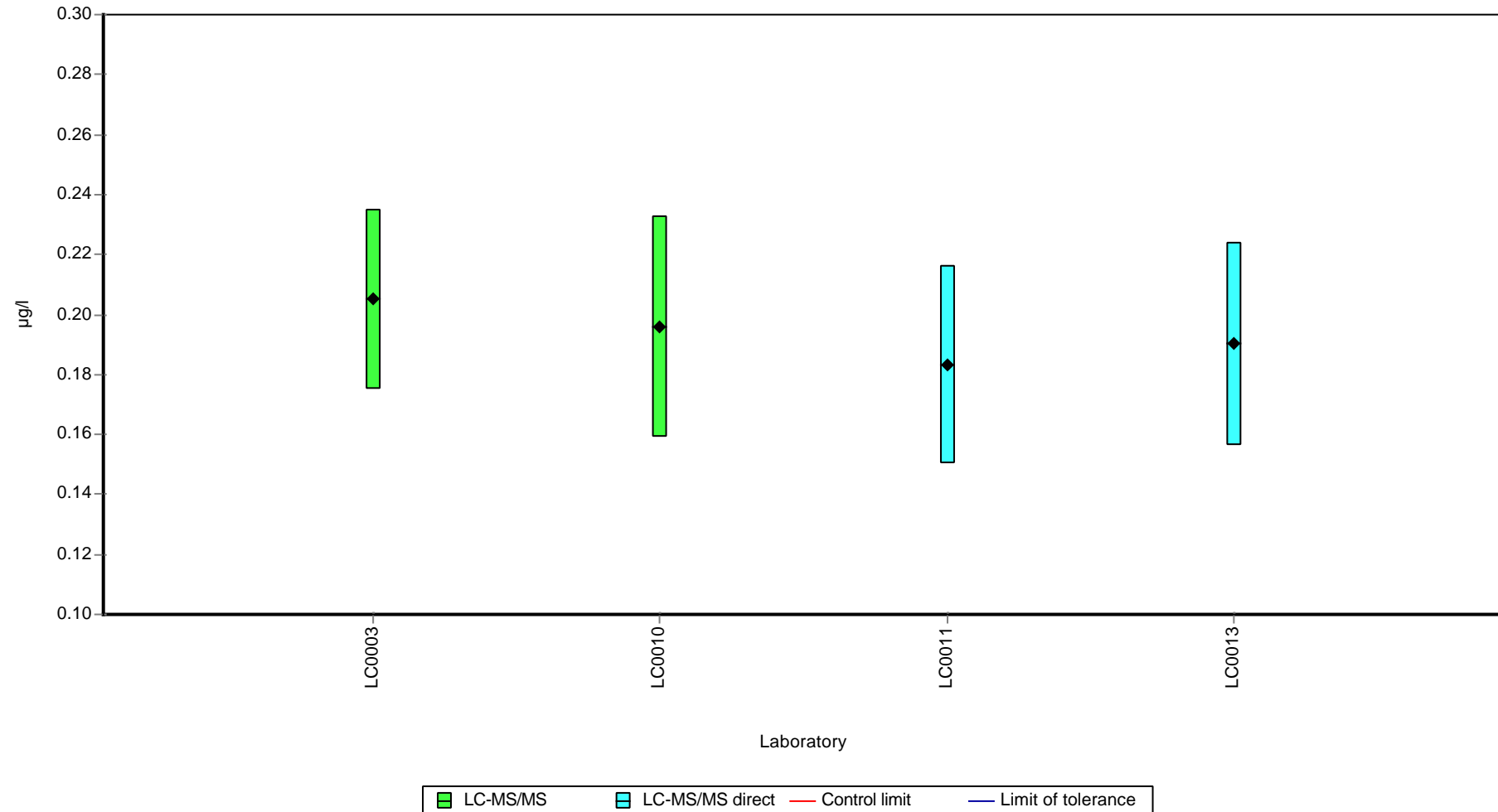
| | all results | without outliers | Unit |
|-------------------------|-------------------|------------------|-----------------|
| Mean \pm CI (99%) | 0.194 ± 0.014 | - | $\mu\text{g/l}$ |
| Minimum | 0.183 | 0.183 | $\mu\text{g/l}$ |
| Maximum | 0.205 | 0.205 | $\mu\text{g/l}$ |
| Standard deviation | 0.00932 | - | $\mu\text{g/l}$ |
| rel. standard deviation | 4.81 | - | % |
| n | 4 | 4 | - |

Parameter oriented report Pesticides H119

Sample: H119A, Parameter: Alachlor-t-acid (Alachlor-OA)

Graphical presentation of results

Results



Parameter oriented report Pesticides H119

Sample: H119B, Parameter: Alachlor-t-acid (Alachlor-OA)

Parameter oriented report

H119 B

Alachlor-t-acid (Alachlor-OA)*

| | |
|------------------------------|---------------|
| Unit | µg/l |
| Assigned value ± U (k=2) | - |
| Criterion | - |
| Minimum - Maximum | 0.66 - 0.752 |
| Control test value ± U (k=2) | 0.776 ± 0.116 |

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

This can be used for comparison as part of your internal QA measures:
MV (n=4; accr.) +/- U(k=2): 0.711 +/- 0.0380 µg/l

| Labcode | Result | ± U | Recovery [%] | z-score | Comments |
|---------|--------|---------|--------------|---------|----------|
| LC0001 | - | - | - | - | |
| LC0002 | - | - | - | - | |
| LC0003 | 0.752 | 0.115 | - | - | |
| LC0004 | - | - | - | - | |
| LC0005 | - | - | - | - | |
| LC0006 | - | - | - | - | |
| LC0007 | - | - | - | - | |
| LC0008 | - | - | - | - | |
| LC0009 | - | - | - | - | |
| LC0010 | 0.714 | 0.13452 | - | - | |
| LC0011 | 0.66 | 0.119 | - | - | |
| LC0012 | - | - | - | - | |
| LC0013 | 0.7172 | 0.0959 | - | - | |
| LC0014 | - | - | - | - | |
| LC0015 | - | - | - | - | |

Characteristics of parameter

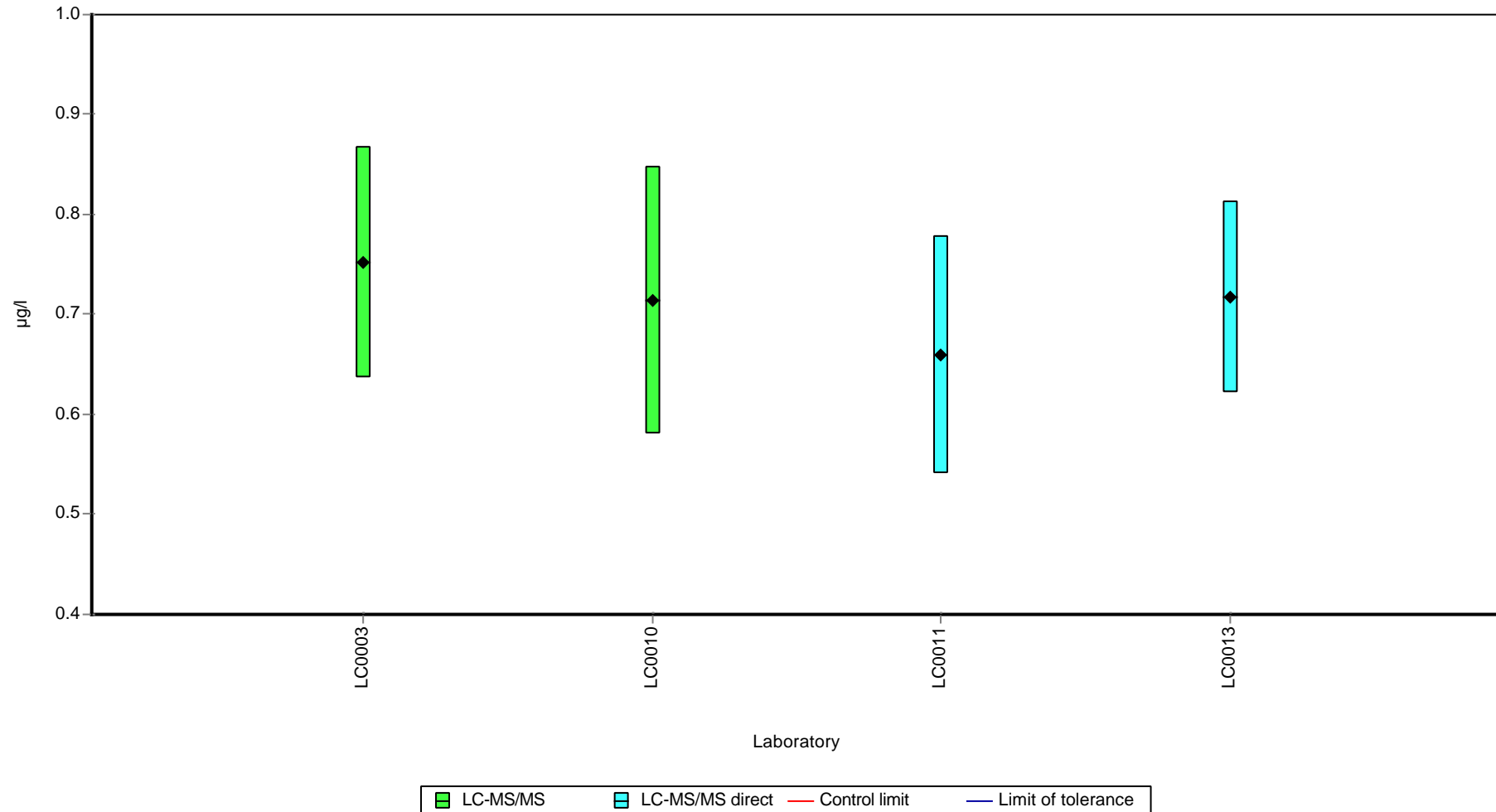
| | all results | without outliers | Unit |
|-------------------------|---------------|------------------|------|
| Mean ± CI (99%) | 0.711 ± 0.057 | - | µg/l |
| Minimum | 0.66 | 0.66 | µg/l |
| Maximum | 0.752 | 0.752 | µg/l |
| Standard deviation | 0.038 | - | µg/l |
| rel. standard deviation | 5.34 | - | % |
| n | 4 | 4 | - |

Parameter oriented report Pesticides H119

Sample: H119B, Parameter: Alachlor-t-acid (Alachlor-OA)

Graphical presentation of results

Results



Parameter oriented report Pesticides H119

Sample: H119A, Parameter: Alachlor-t-sulfonic acid
(Alachlor-ESA)

Parameter oriented report

H119 A

Alachlor-t-sulfonic acid (Alachlor-ESA)*

Unit $\mu\text{g/l}$
Assigned value $\pm U$ (k=2) -
Criterion -
Minimum - Maximum 0.117 - 0.174
Control test value $\pm U$ (k=2) 0.170 ± 0.034

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

This can be used for comparison as part of your internal QA measures:
MV (n=5; accr.) $\pm U$ (k=2): $0.145 \pm 0.0217 \mu\text{g/l}$

| Labcode | Result | $\pm U$ | Recovery [%] | z-score | Comments |
|---------|--------|---------|--------------|---------|----------|
| LC0001 | - | - | - | - | |
| LC0002 | - | - | - | - | |
| LC0003 | 0.159 | 0.025 | - | - | |
| LC0004 | - | - | - | - | |
| LC0005 | - | - | - | - | |
| LC0006 | - | - | - | - | |
| LC0007 | - | - | - | - | |
| LC0008 | - | - | - | - | |
| LC0009 | - | - | - | - | |
| LC0010 | 0.154 | 0.04016 | - | - | |
| LC0011 | 0.123 | 0.022 | - | - | |
| LC0012 | - | - | - | - | |
| LC0013 | 0.1174 | 0.0234 | - | - | |
| LC0014 | 0.174 | 0.0522 | - | - | |
| LC0015 | - | - | - | - | |

Characteristics of parameter

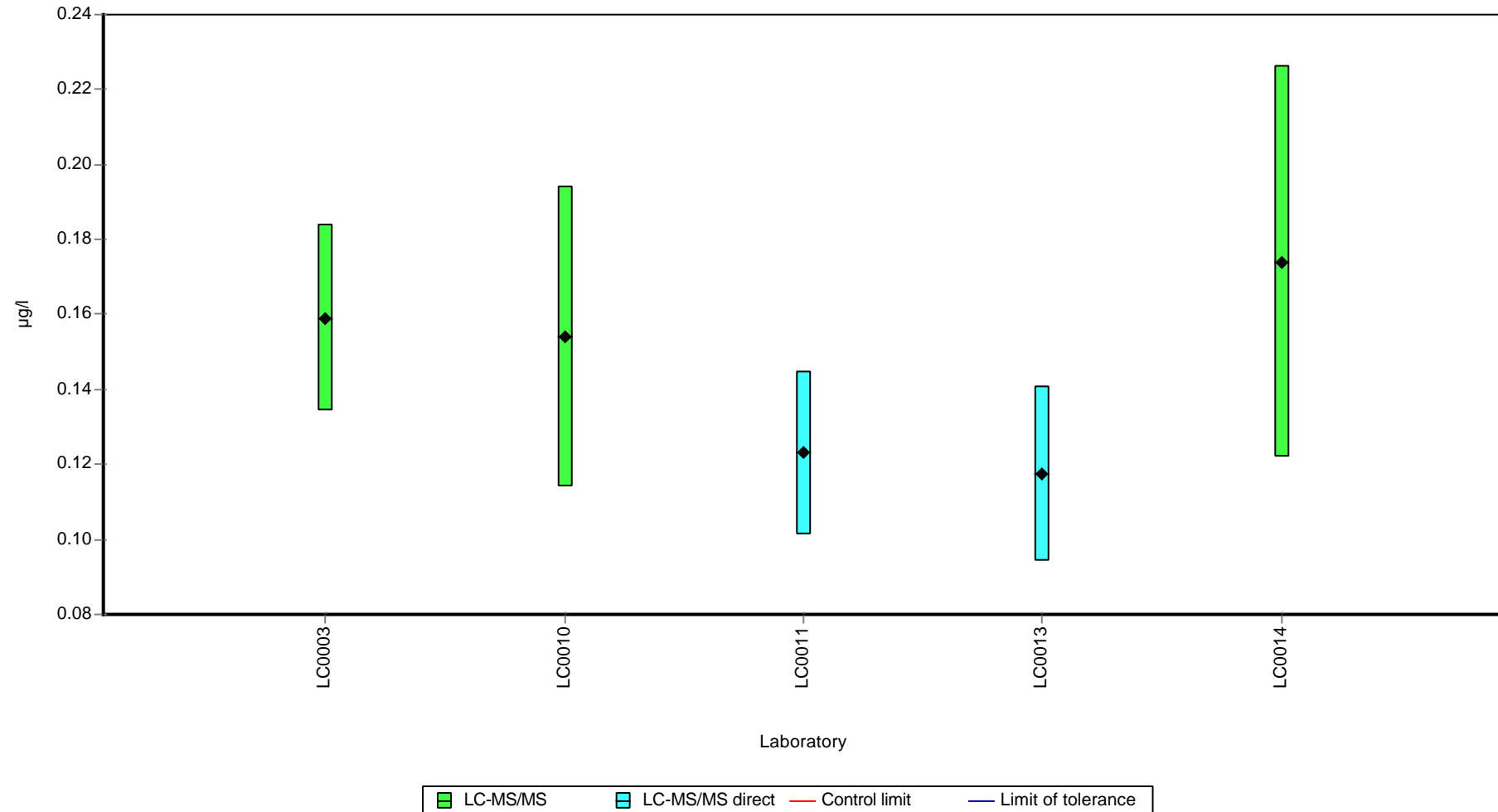
| | all results | without outliers | Unit |
|-------------------------|--------------------|------------------|-----------------|
| Mean \pm CI (99%) | 0.145 ± 0.0326 | - | $\mu\text{g/l}$ |
| Minimum | 0.117 | 0.117 | $\mu\text{g/l}$ |
| Maximum | 0.174 | 0.174 | $\mu\text{g/l}$ |
| Standard deviation | 0.0243 | - | $\mu\text{g/l}$ |
| rel. standard deviation | 16.7 | - | % |
| n | 5 | 5 | - |

Parameter oriented report Pesticides H119

Sample: H119A, Parameter: Alachlor-t-sulfonic acid (Alachlor-ESA)

Graphical presentation of results

Results



Parameter oriented report Pesticides H119

Sample: H119B, Parameter: Alachlor-t-sulfonic acid
(Alachlor-ESA)

Parameter oriented report

H119 B

Alachlor-t-sulfonic acid (Alachlor-ESA)*

Unit $\mu\text{g/l}$
Assigned value $\pm U$ (k=2) -
Criterion -
Minimum - Maximum 0.341 - 0.536
Control test value $\pm U$ (k=2) 0.532 ± 0.106

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

This can be used for comparison as part of your internal QA measures:
 MV (n=5; accr.) $\pm U(k=2)$: $0.435 \pm 0.0708 \mu\text{g/l}$

| Labcode | Result | $\pm U$ | Recovery [%] | z-score | Comments |
|---------|--------|---------|--------------|---------|----------|
| LC0001 | - | - | - | - | |
| LC0002 | - | - | - | - | |
| LC0003 | 0.477 | 0.075 | - | - | |
| LC0004 | - | - | - | - | |
| LC0005 | - | - | - | - | |
| LC0006 | - | - | - | - | |
| LC0007 | - | - | - | - | |
| LC0008 | - | - | - | - | |
| LC0009 | - | - | - | - | |
| LC0010 | 0.451 | 0.11762 | - | - | |
| LC0011 | 0.372 | 0.067 | - | - | |
| LC0012 | - | - | - | - | |
| LC0013 | 0.3407 | 0.0493 | - | - | |
| LC0014 | 0.536 | 0.1608 | - | - | |
| LC0015 | - | - | - | - | |

Characteristics of parameter

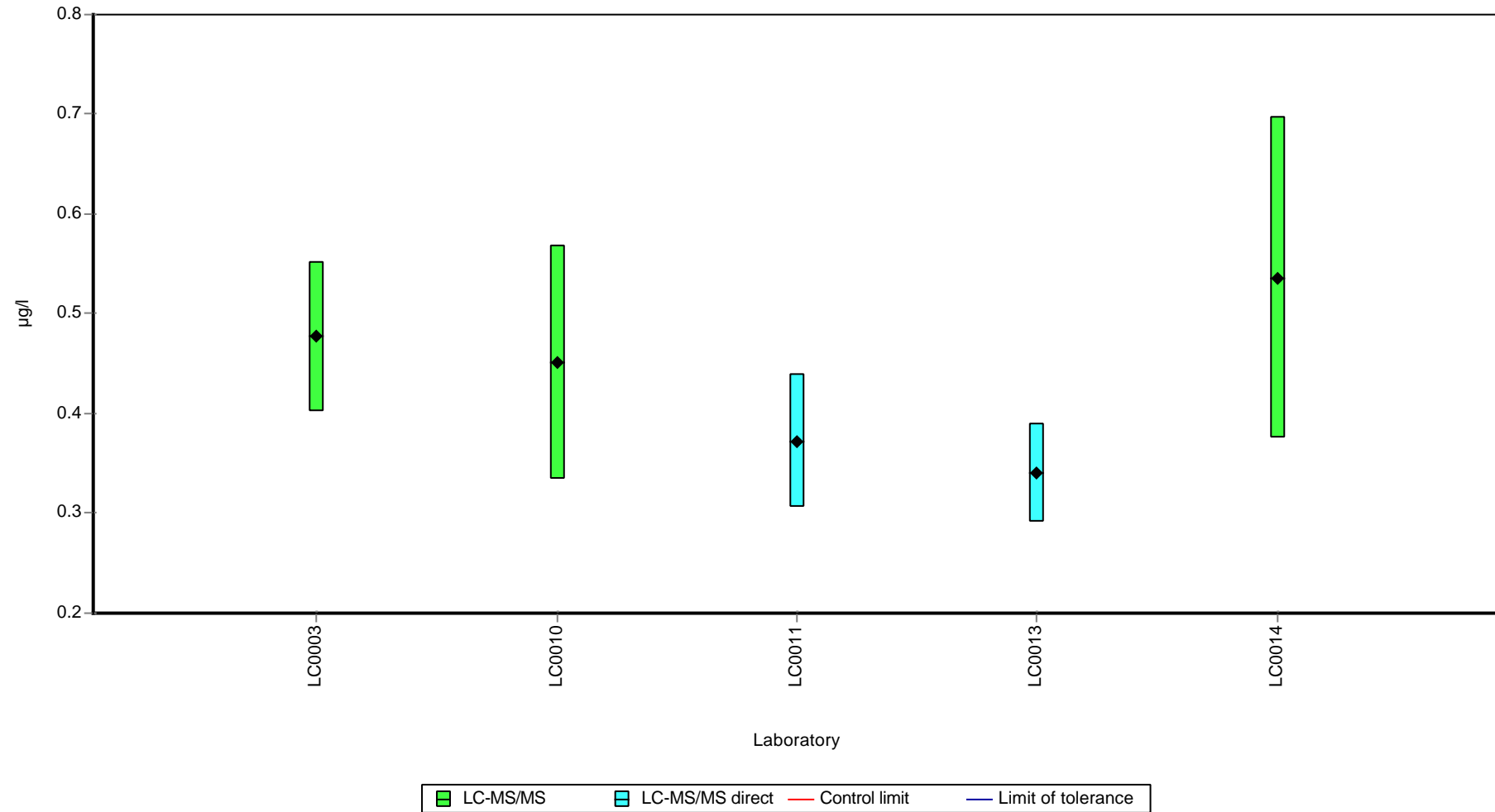
| | all results | without outliers | Unit |
|-------------------------|-------------------|------------------|-----------------|
| Mean \pm CI (99%) | 0.435 ± 0.106 | - | $\mu\text{g/l}$ |
| Minimum | 0.341 | 0.341 | $\mu\text{g/l}$ |
| Maximum | 0.536 | 0.536 | $\mu\text{g/l}$ |
| Standard deviation | 0.0792 | - | $\mu\text{g/l}$ |
| rel. standard deviation | 18.2 | - | % |
| n | 5 | 5 | - |

Parameter oriented report Pesticides H119

Sample: H119B, Parameter: Alachlor-t-sulfonic acid (Alachlor-ESA)

Graphical presentation of results

Results



Parameter oriented report Pesticides H119

Sample: H119A, Parameter: AMPA

Parameter oriented report

H119 A

AMPA

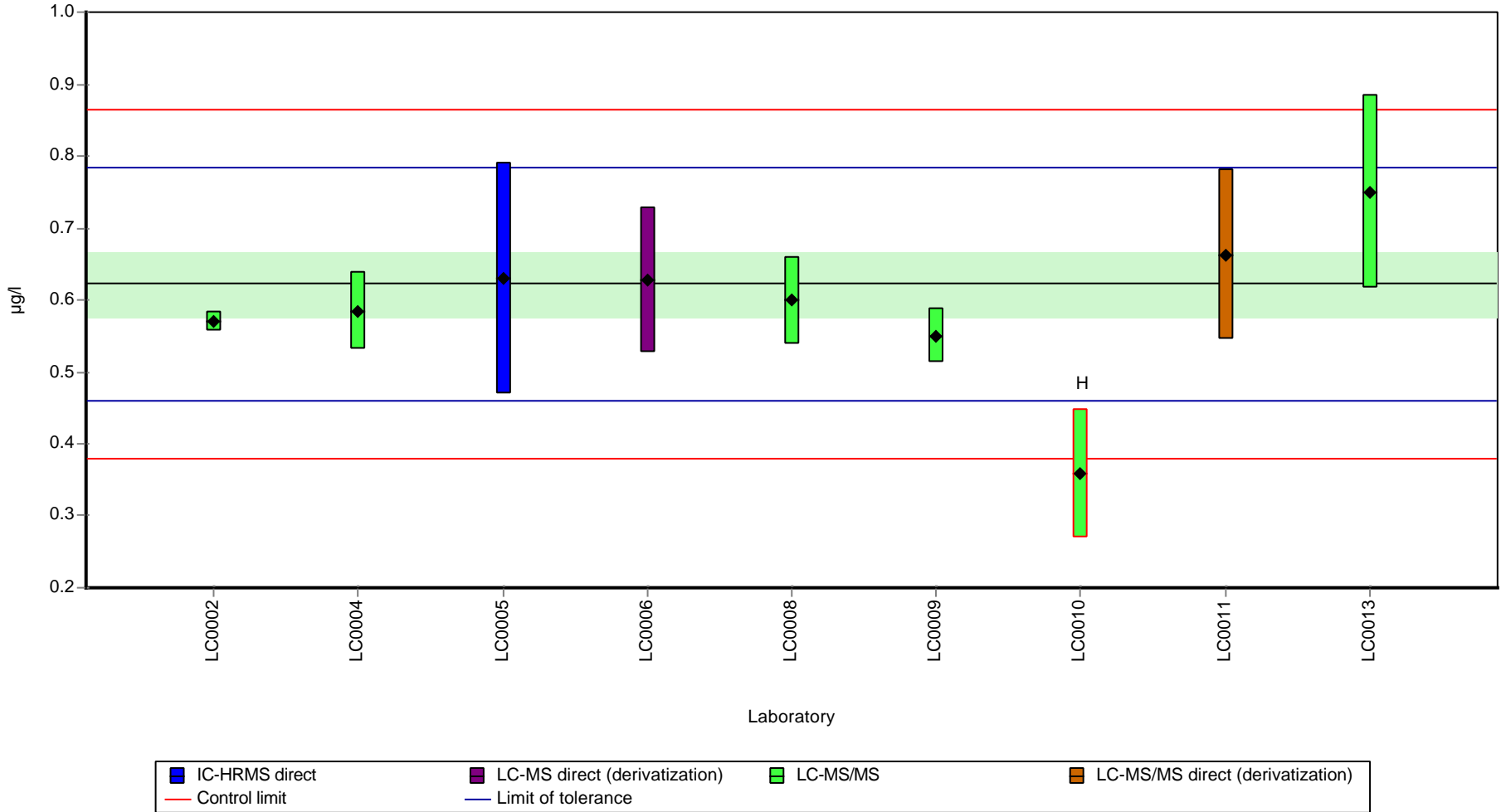
| | |
|------------------------------|----------------|
| Unit | µg/l |
| Assigned value ± U (k=2) | 0.622 ± 0.0447 |
| Criterion | 0.0808 (13 %) |
| Minimum - Maximum | 0.55 - 0.75 |
| Control test value ± U (k=2) | 0.612 ± 0.214 |

| Labcode | Result | ± U | Recovery [%] | z-score | Comments |
|---------|--------|---------|--------------|---------|----------|
| LC0001 | - | - | - | - | |
| LC0002 | 0.57 | 0.0142 | 91.7 | -0.64 | |
| LC0003 | - | - | - | - | |
| LC0004 | 0.585 | 0.054 | 94.1 | -0.46 | |
| LC0005 | 0.63 | 0.16 | 101 | 0.1 | |
| LC0006 | 0.628 | 0.101 | 101 | 0.08 | |
| LC0007 | - | - | - | - | |
| LC0008 | 0.599 | 0.06 | 96.3 | -0.28 | |
| LC0009 | 0.55 | 0.038 | 88.4 | -0.89 | |
| LC0010 | 0.359 | 0.08975 | 57.7 | -3.25 | H |
| LC0011 | 0.663 | 0.119 | 107 | 0.51 | |
| LC0012 | - | - | - | - | |
| LC0013 | 0.75 | 0.135 | 121 | 1.58 | |
| LC0014 | - | - | - | - | |
| LC0015 | - | - | - | - | |

Characteristics of parameter

| | all results | w ithout outliers | Unit |
|-------------------------|---------------|-------------------|------|
| Mean ± CI (99%) | 0.593 ± 0.106 | 0.622 ± 0.067 | µg/l |
| Minimum | 0.359 | 0.55 | µg/l |
| Maximum | 0.75 | 0.75 | µg/l |
| Standard deviation | 0.106 | 0.0632 | µg/l |
| rel. standard deviation | 17.8 | 10.2 | % |
| n | 9 | 8 | - |

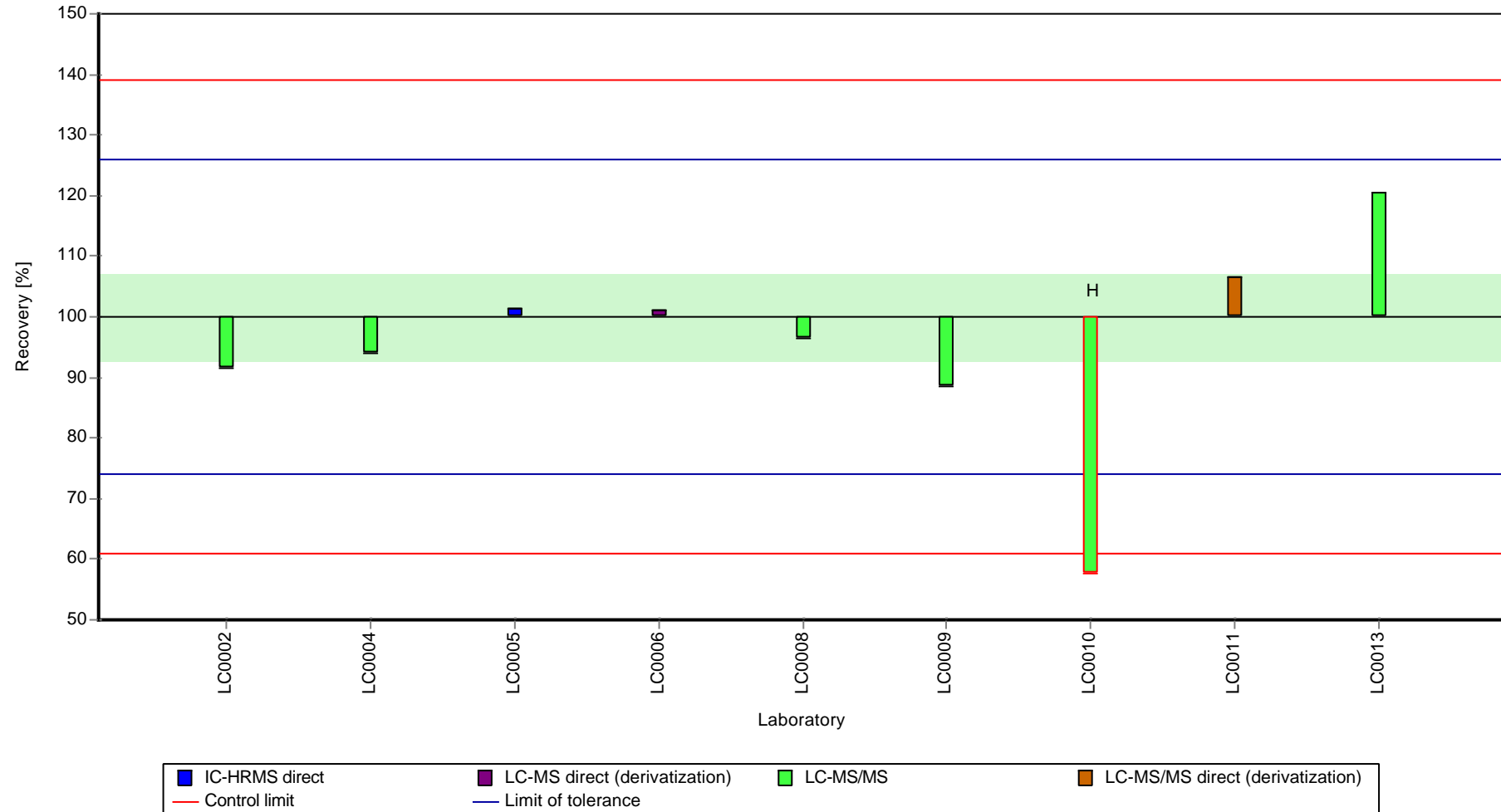
Graphical presentation of results
 Results



Parameter oriented report Pesticides H119

Sample: H119A, Parameter: AMPA

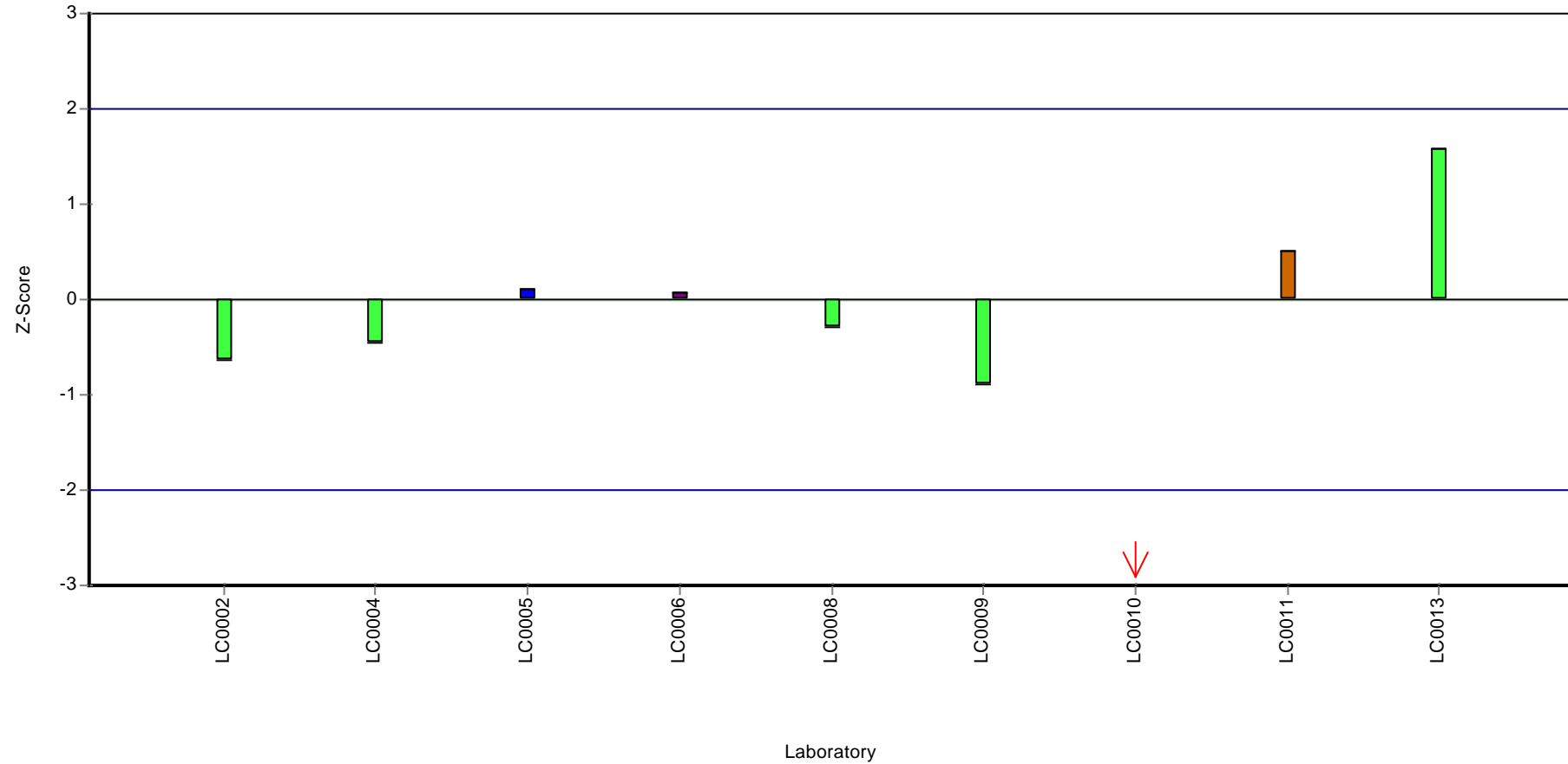
Recovery rate



Parameter oriented report Pesticides H119

Sample: H119A, Parameter: AMPA

Z-score



Parameter oriented report Pesticides H119

Sample: H119B, Parameter: AMPA

Parameter oriented report

H119 B

AMPA

| | |
|------------------------------|----------------|
| Unit | µg/l |
| Assigned value ± U (k=2) | 0.308 ± 0.0129 |
| Criterion | 0.04 (13 %) |
| Minimum - Maximum | 0.281 - 0.329 |
| Control test value ± U (k=2) | 0.296 ± 0.104 |

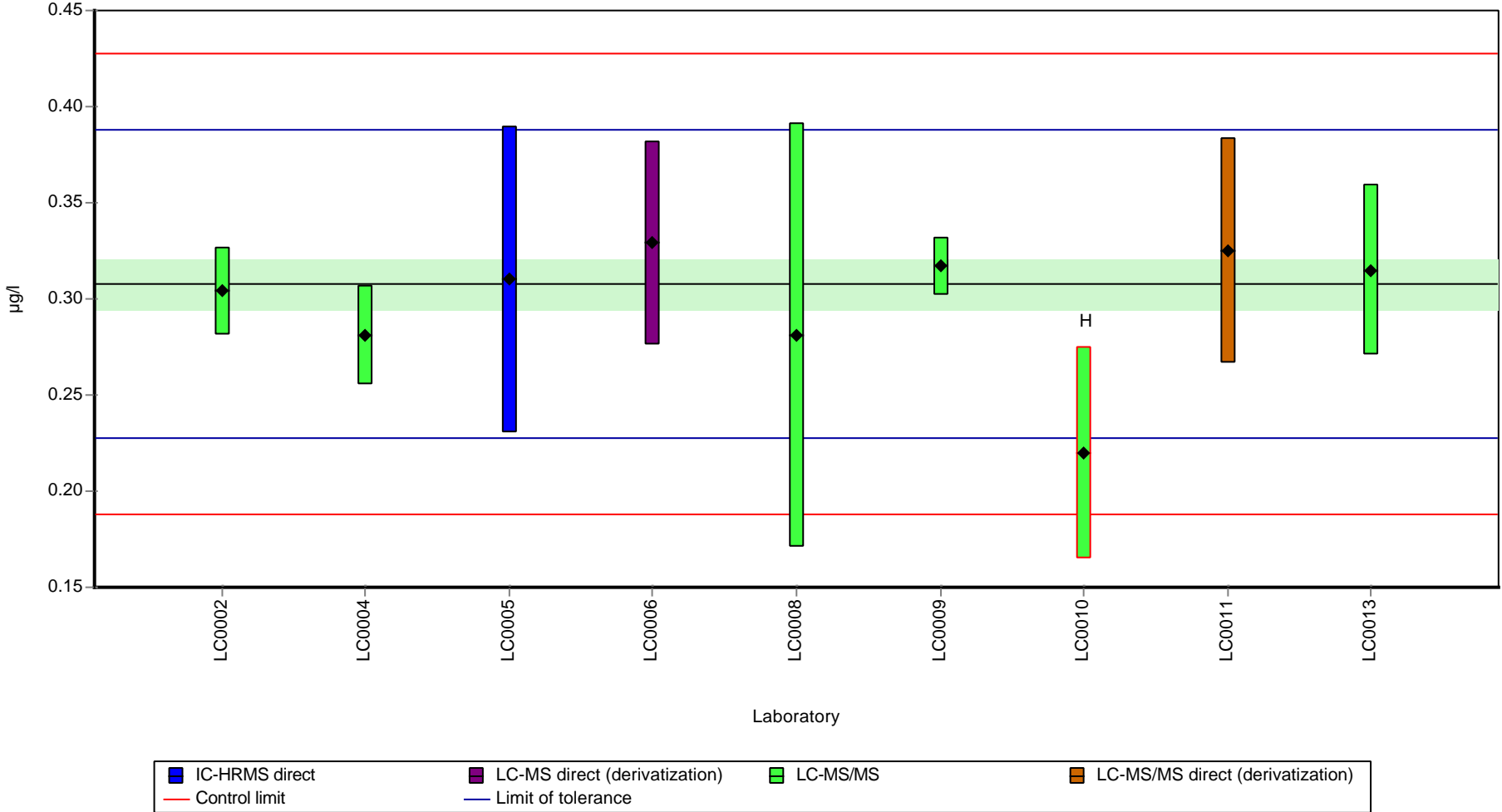
| Labcode | Result | ± U | Recovery [%] | z-score | Comments |
|---------|--------|--------|--------------|---------|----------|
| LC0001 | - | - | - | - | |
| LC0002 | 0.304 | 0.023 | 98.8 | -0.09 | |
| LC0003 | - | - | - | - | |
| LC0004 | 0.281 | 0.026 | 91.3 | -0.67 | |
| LC0005 | 0.31 | 0.08 | 101 | 0.06 | |
| LC0006 | 0.329 | 0.053 | 107 | 0.53 | |
| LC0007 | - | - | - | - | |
| LC0008 | 0.281 | 0.11 | 91.3 | -0.67 | |
| LC0009 | 0.317 | 0.015 | 103 | 0.23 | |
| LC0010 | 0.22 | 0.055 | 71.5 | -2.19 | H |
| LC0011 | 0.325 | 0.059 | 106 | 0.43 | |
| LC0012 | - | - | - | - | |
| LC0013 | 0.315 | 0.0441 | 102 | 0.18 | |
| LC0014 | - | - | - | - | |
| LC0015 | - | - | - | - | |

Characteristics of parameter

| | all results | w ithout outliers | Unit |
|-------------------------|----------------|-------------------|------|
| Mean ± CI (99%) | 0.298 ± 0.0339 | 0.308 ± 0.0194 | µg/l |
| Minimum | 0.22 | 0.281 | µg/l |
| Maximum | 0.329 | 0.329 | µg/l |
| Standard deviation | 0.0339 | 0.0183 | µg/l |
| rel. standard deviation | 11.4 | 5.94 | % |
| n | 9 | 8 | - |

Graphical presentation of results

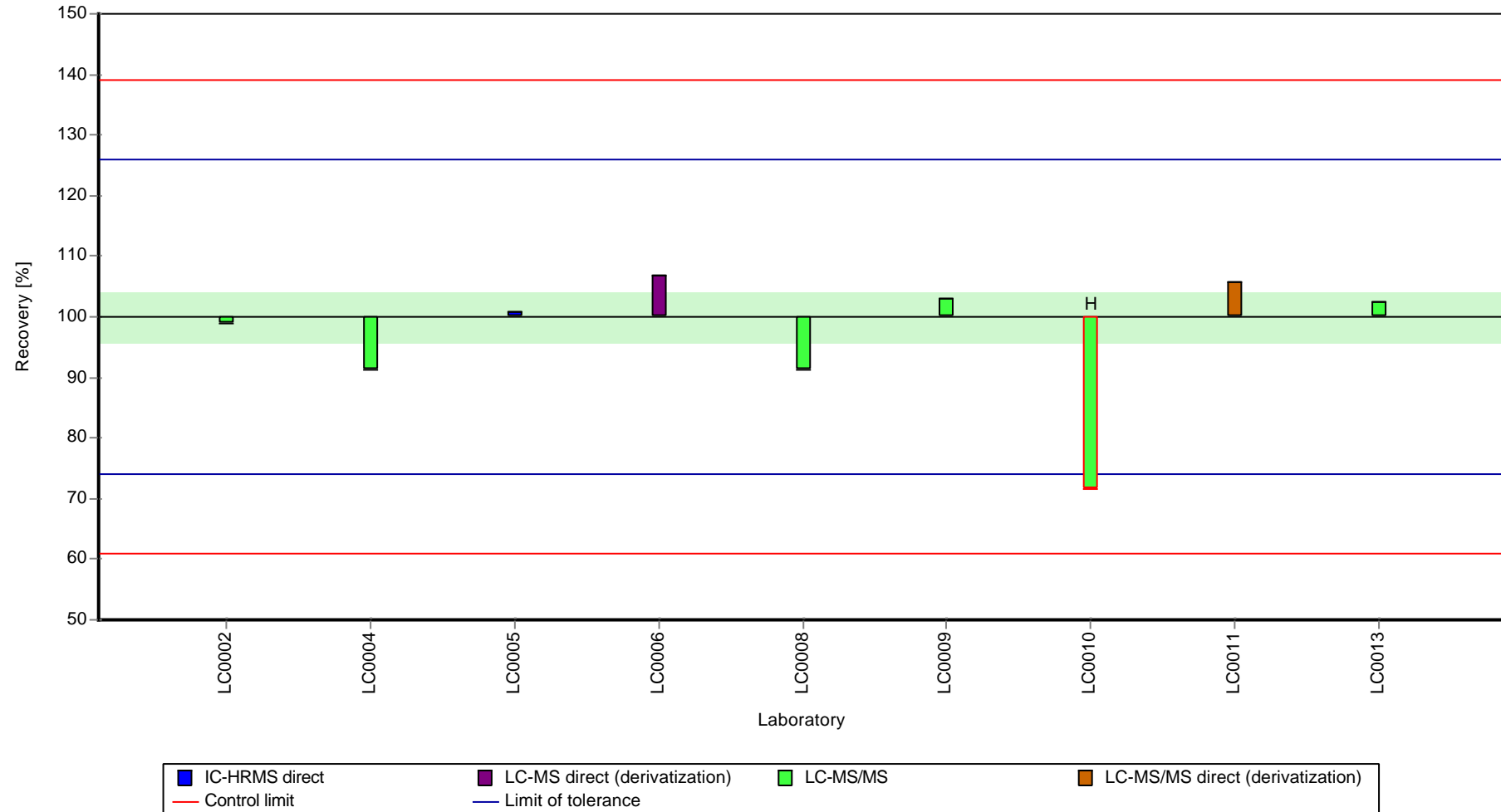
Results



Parameter oriented report Pesticides H119

Sample: H119B, Parameter: AMPA

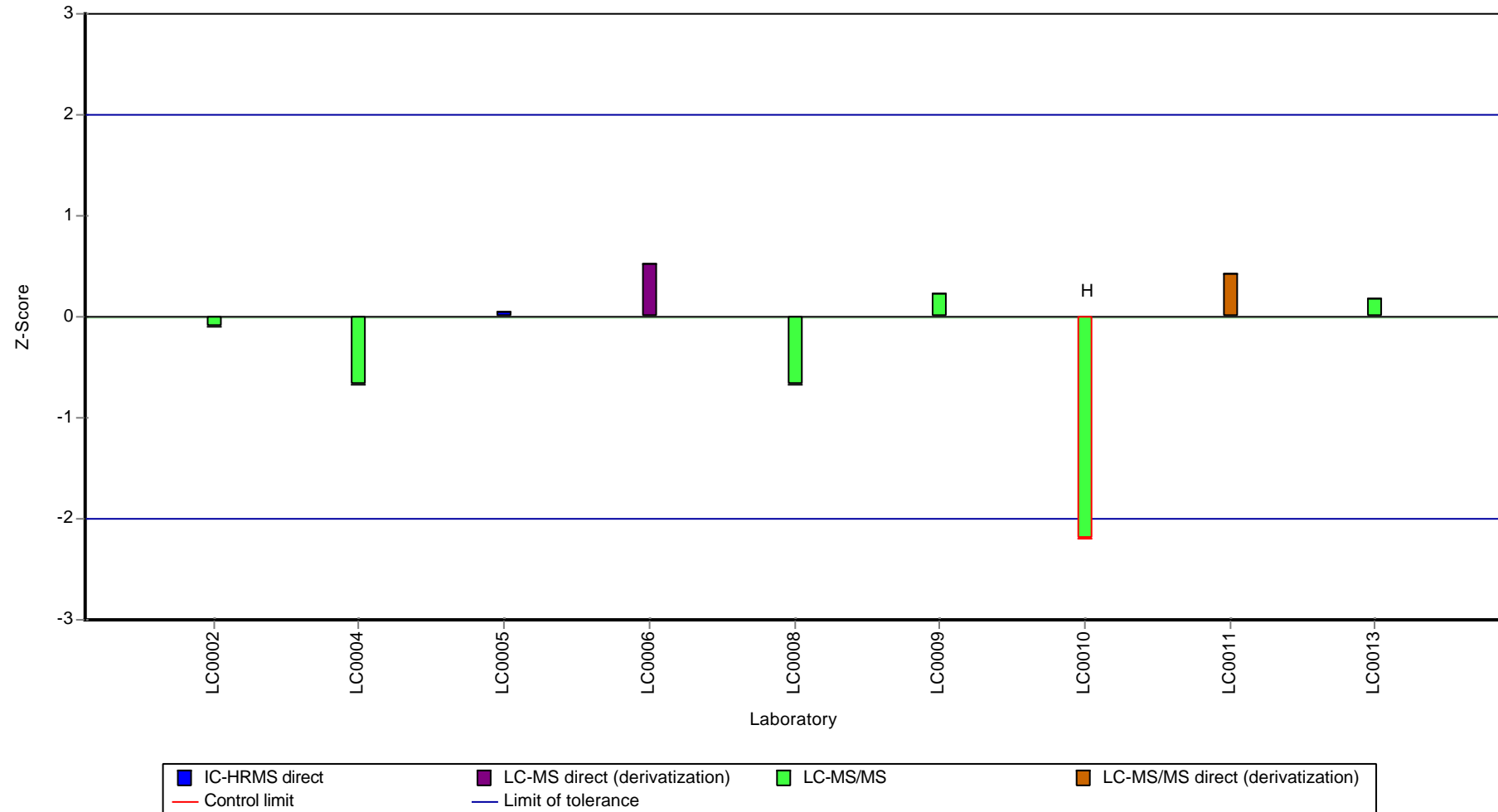
Recovery rate



Parameter oriented report Pesticides H119

Sample: H119B, Parameter: AMPA

Z-score



Parameter oriented report Pesticides H119

Sample: H119A, Parameter: Bentazone

Parameter oriented report

H119 A

Bentazone

| | |
|------------------------------|----------------|
| Unit | µg/l |
| Assigned value ± U (k=2) | 0.216 ± 0.0126 |
| Criterion | 0.0323 (15 %) |
| Minimum - Maximum | 0.174 - 0.243 |
| Control test value ± U (k=2) | 0.252 ± 0.0378 |

| Labcode | Result | ± U | Recovery [%] | z-score | Comments |
|---------|--------|---------|--------------|---------|----------|
| LC0001 | 0.231 | 0.065 | 107 | 0.48 | |
| LC0002 | 0.237 | 0.004 | 110 | 0.66 | |
| LC0003 | 0.228 | 0.035 | 106 | 0.39 | |
| LC0004 | - | - | - | - | |
| LC0005 | 0.243 | 0.053 | 113 | 0.85 | |
| LC0006 | - | - | - | - | |
| LC0007 | 0.2209 | 0.0552 | 103 | 0.17 | |
| LC0008 | 0.304 | 0.08 | 141 | 2.74 | H |
| LC0009 | 0.225 | 0.009 | 104 | 0.29 | |
| LC0010 | 0.189 | 0.02712 | 87.7 | -0.82 | |
| LC0011 | 0.174 | 0.031 | 80.7 | -1.28 | |
| LC0012 | 0.21 | 0.06 | 97.4 | -0.17 | |
| LC0013 | 0.2037 | 0.0122 | 94.5 | -0.37 | |
| LC0014 | 0.209 | 0.0627 | 97 | -0.2 | |
| LC0015 | - | - | - | - | |

Characteristics of parameter

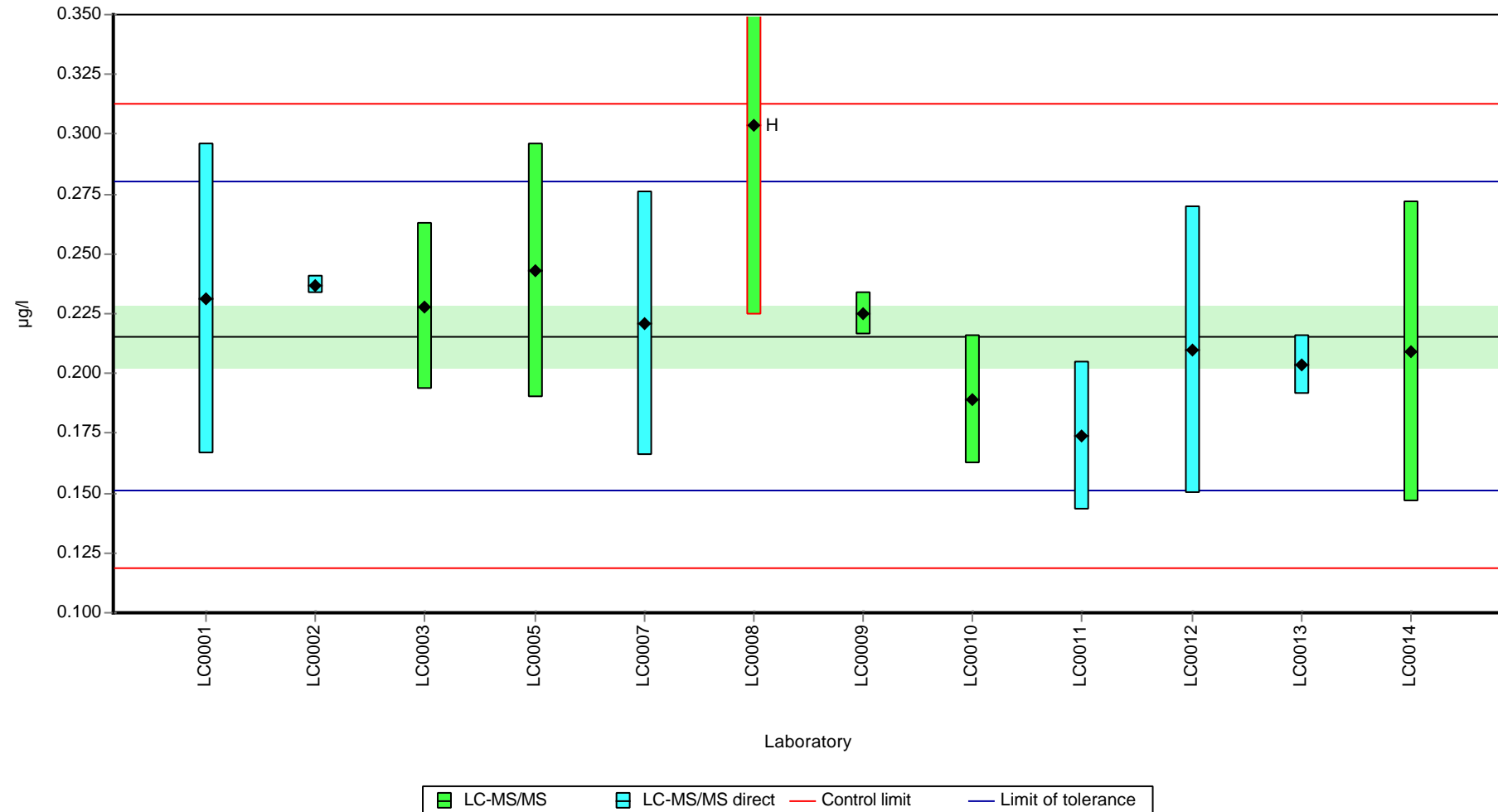
| | all results | without outliers | Unit |
|-------------------------|----------------|------------------|------|
| Mean ± CI (99%) | 0.223 ± 0.0281 | 0.216 ± 0.0189 | µg/l |
| Minimum | 0.174 | 0.174 | µg/l |
| Maximum | 0.304 | 0.243 | µg/l |
| Standard deviation | 0.0324 | 0.0209 | µg/l |
| rel. standard deviation | 14.5 | 9.7 | % |
| n | 12 | 11 | - |

Parameter oriented report Pesticides H119

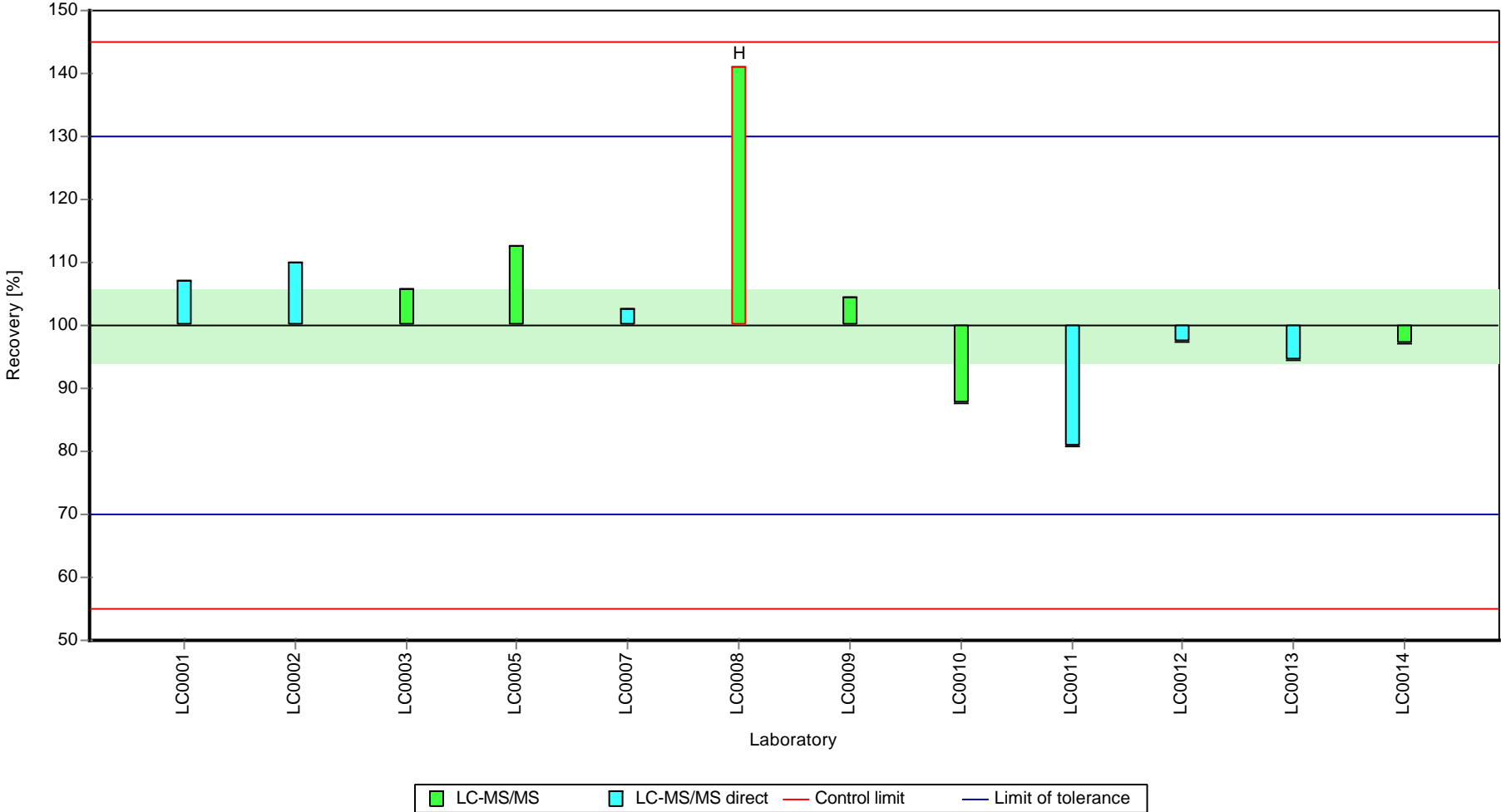
Sample: H119A, Parameter: Bentazone

Graphical presentation of results

Results



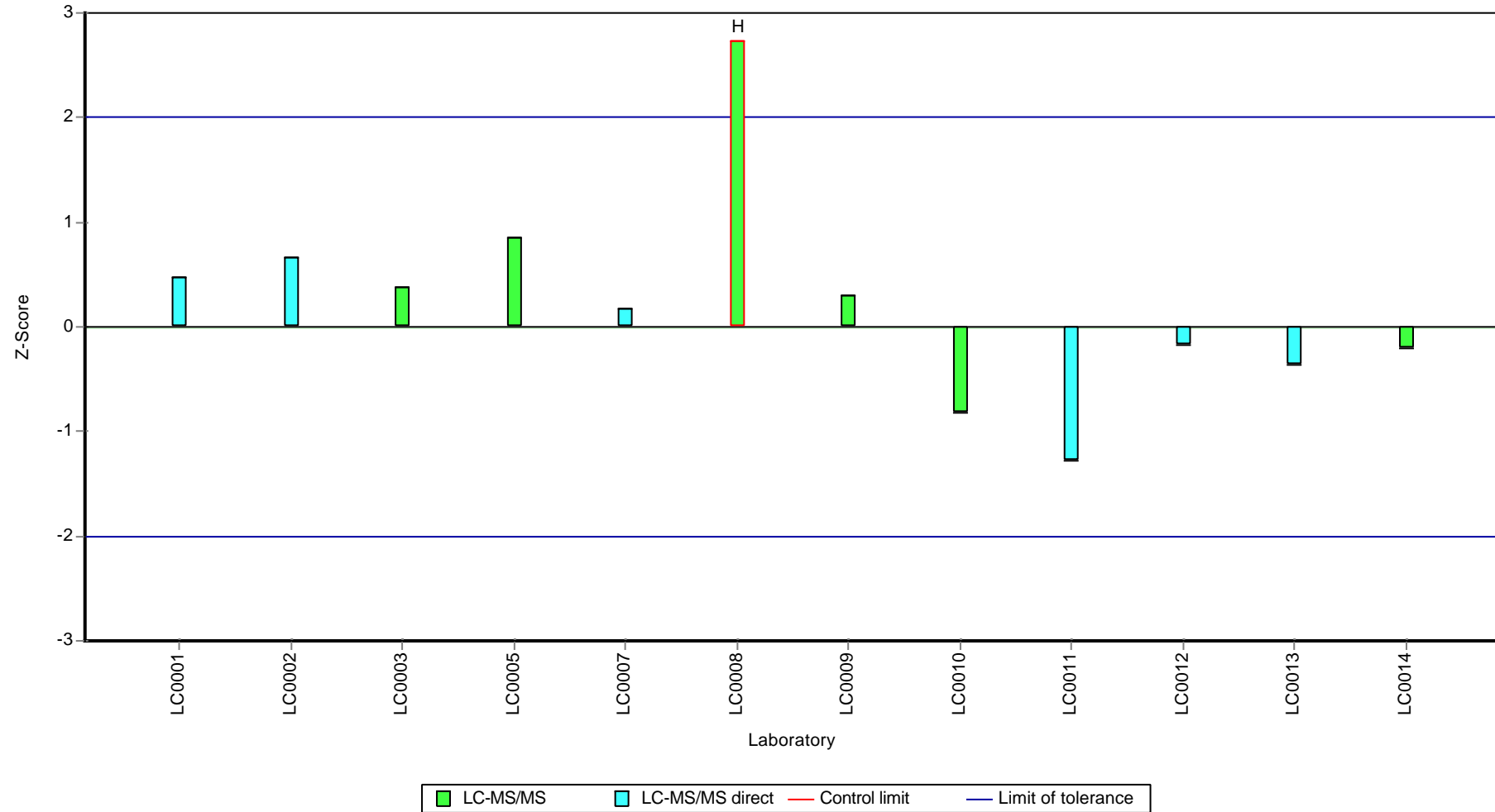
Recovery rate



Parameter oriented report Pesticides H119

Sample: H119A, Parameter: Bentazone

Z-score



Parameter oriented report Pesticides H119

Sample: H119B, Parameter: Bentazone

Parameter oriented report

H119 B

Bentazone

| | |
|------------------------------|----------------|
| Unit | µg/l |
| Assigned value ± U (k=2) | 0.449 ± 0.0346 |
| Criterion | 0.0674 (15 %) |
| Minimum - Maximum | 0.356 - 0.555 |
| Control test value ± U (k=2) | 0.543 ± 0.0815 |

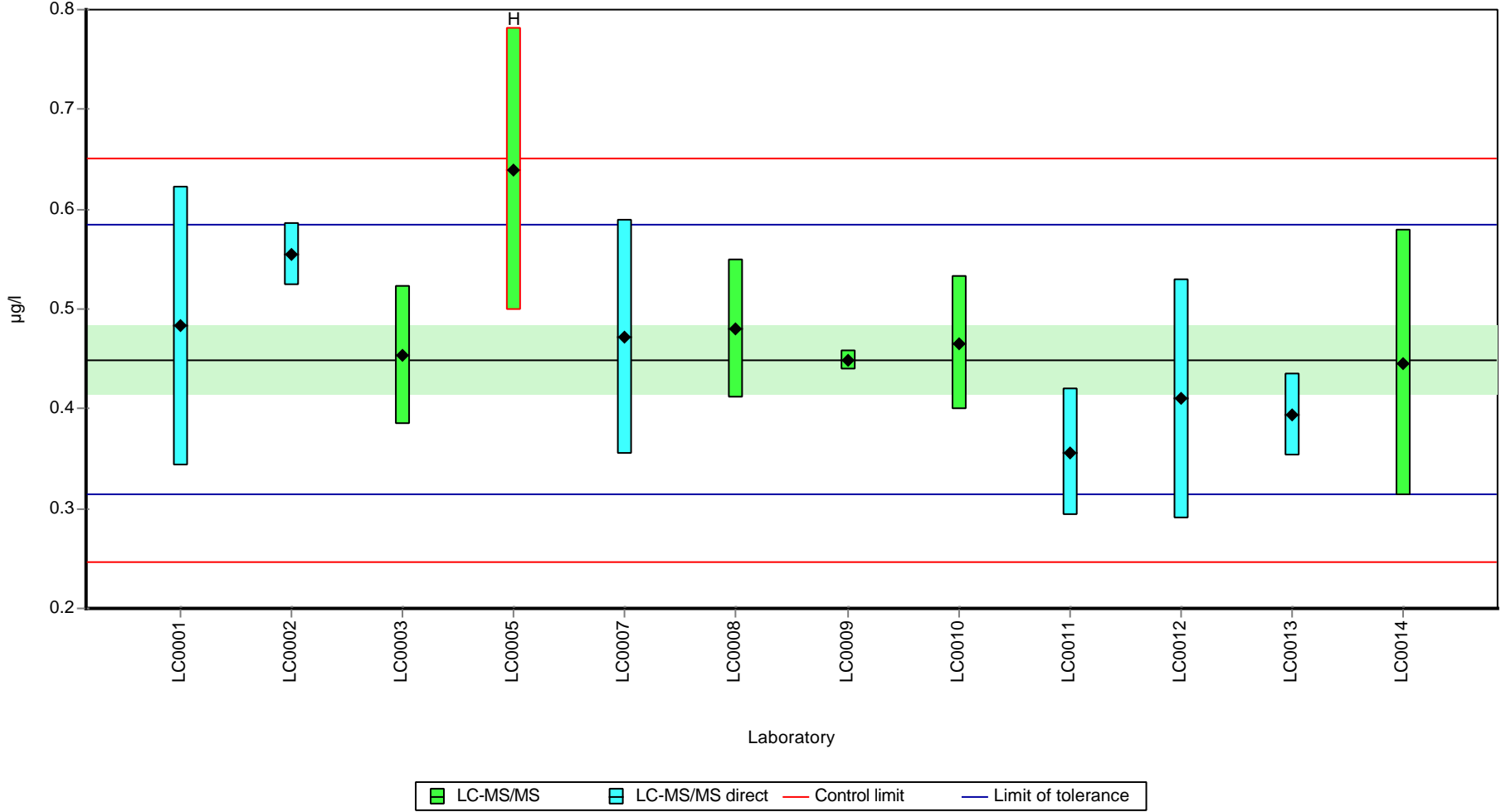
| Labcode | Result | ± U | Recovery [%] | z-score | Comments |
|---------|--------|---------|--------------|---------|----------|
| LC0001 | 0.483 | 0.14 | 108 | 0.5 | |
| LC0002 | 0.555 | 0.031 | 124 | 1.57 | |
| LC0003 | 0.454 | 0.07 | 101 | 0.07 | |
| LC0004 | - | - | - | - | |
| LC0005 | 0.64 | 0.141 | 142 | 2.83 | H |
| LC0006 | - | - | - | - | |
| LC0007 | 0.4717 | 0.1179 | 105 | 0.33 | |
| LC0008 | 0.48 | 0.07 | 107 | 0.46 | |
| LC0009 | 0.448 | 0.01 | 99.7 | -0.02 | |
| LC0010 | 0.466 | 0.06687 | 104 | 0.25 | |
| LC0011 | 0.356 | 0.064 | 79.3 | -1.38 | |
| LC0012 | 0.41 | 0.12 | 91.3 | -0.58 | |
| LC0013 | 0.394 | 0.0414 | 87.7 | -0.82 | |
| LC0014 | 0.446 | 0.1338 | 99.3 | -0.05 | |
| LC0015 | - | - | - | - | |

Characteristics of parameter

| | all results | without outliers | Unit |
|-------------------------|---------------|------------------|------|
| Mean ± CI (99%) | 0.467 ± 0.064 | 0.451 ± 0.0473 | µg/l |
| Minimum | 0.356 | 0.356 | µg/l |
| Maximum | 0.64 | 0.555 | µg/l |
| Standard deviation | 0.0738 | 0.0523 | µg/l |
| rel. standard deviation | 15.8 | 11.6 | % |
| n | 12 | 11 | - |

Graphical presentation of results

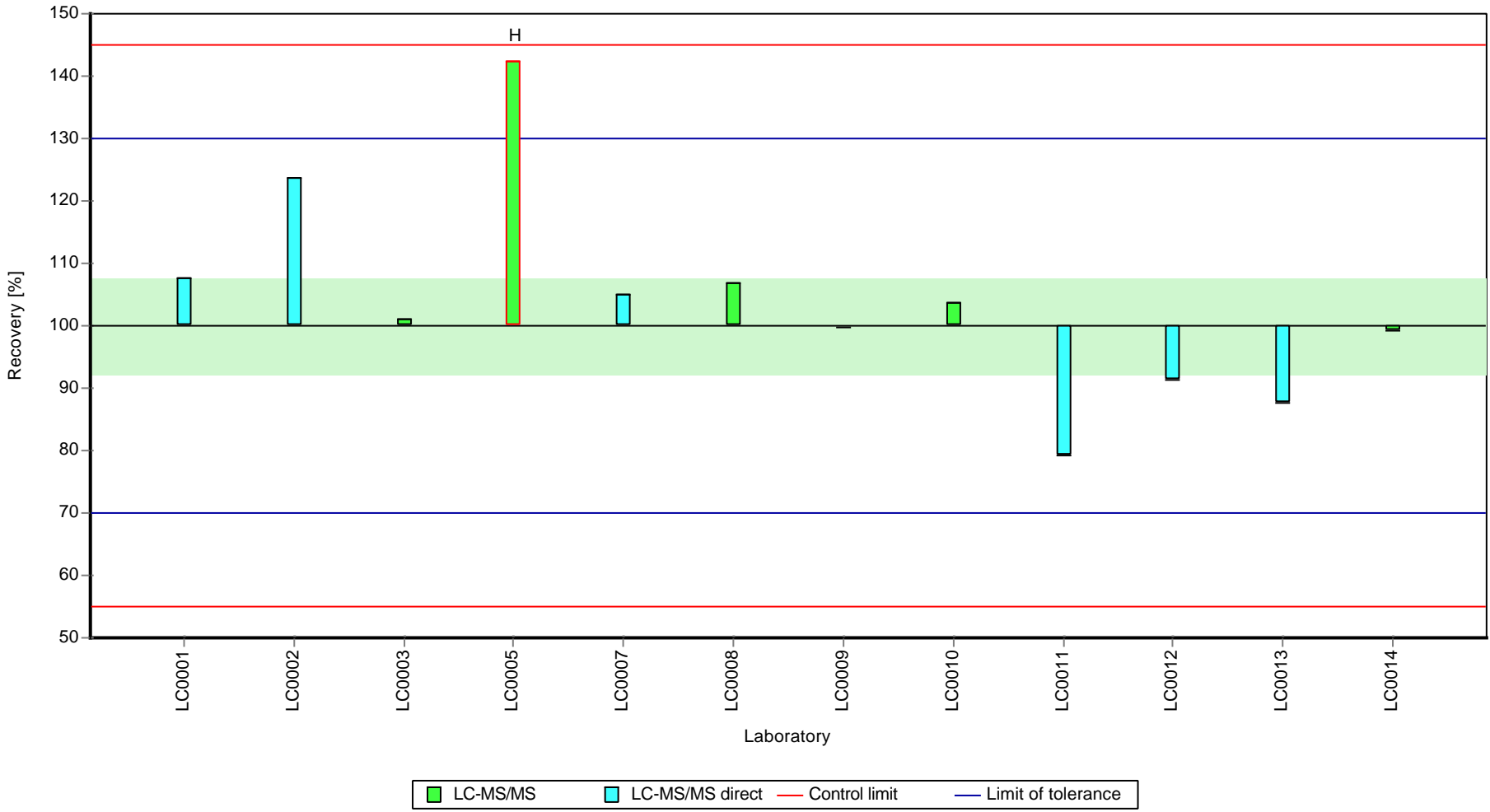
Results



Parameter oriented report Pesticides H119

Sample: H119B, Parameter: Bentazone

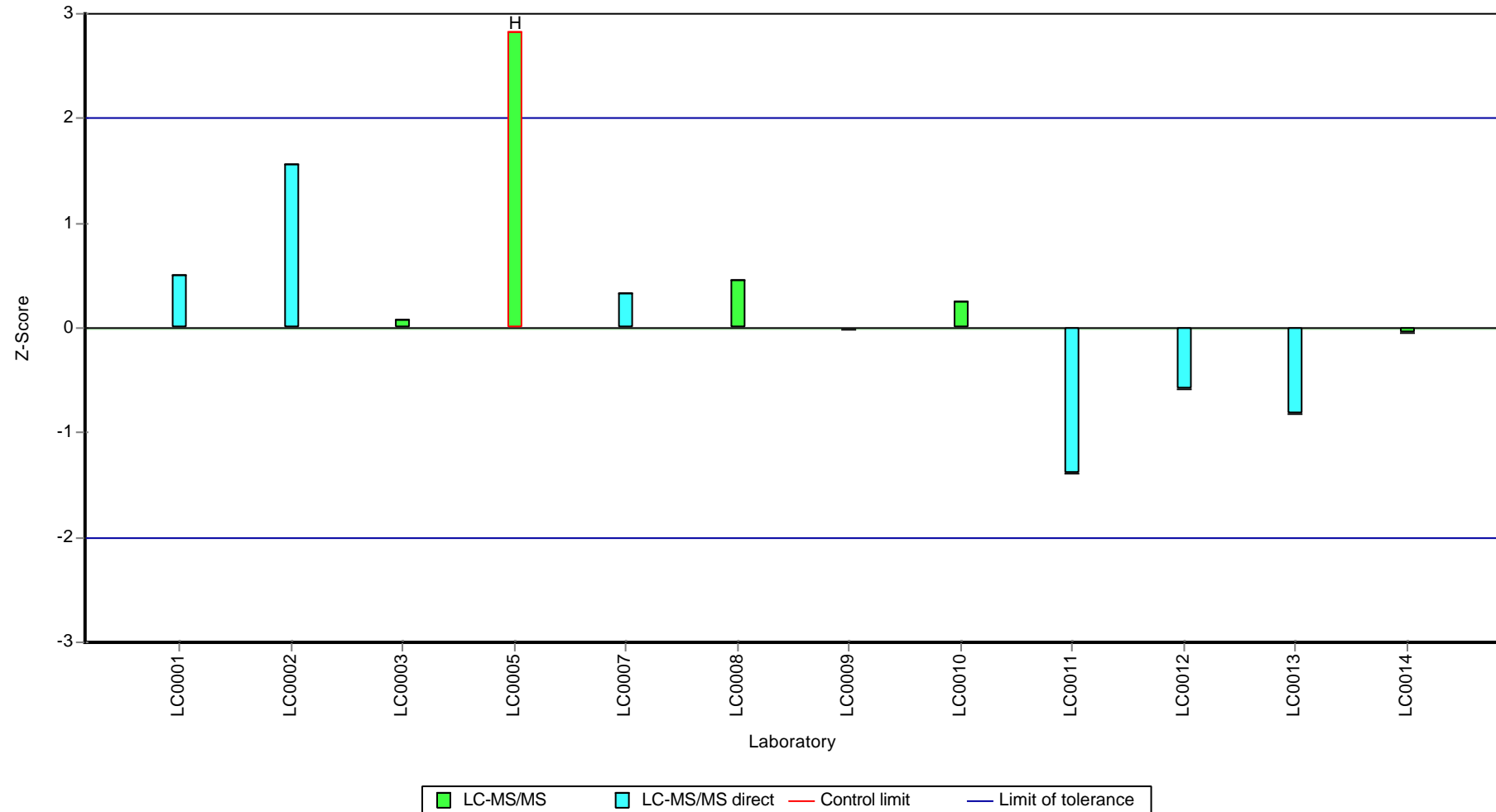
Recovery rate



Parameter oriented report Pesticides H119

Sample: H119B, Parameter: Bentazone

Z-score



Parameter oriented report Pesticides H119

Sample: H119A, Parameter: Chlorothalonil-4-hydroxy

Parameter oriented report

H119 A

**Chlorothalonil-4-hydroxy*

Unit µg/l
Assigned value ± U (k=2) -
Criterion -
Minimum - Maximum 0.612 - 0.68
Control test value ± U (k=2) 0.691 ± 0.346

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

This can be used for comparison as part of your internal QA measures:
MV (n=3; accr.) +/- U(k=2): 0.651 +/- 0.0404 µg/l

**Not accredited according to EN ISO/IEC 17043

| Labcode | Result | ± U | Recovery [%] | z-score | Comments |
|---------|--------|---------|--------------|---------|----------|
| LC0001 | - | - | - | - | |
| LC0002 | - | - | - | - | |
| LC0003 | - | - | - | - | |
| LC0004 | - | - | - | - | |
| LC0005 | - | - | - | - | |
| LC0006 | 0.66 | 0.178 | - | - | |
| LC0007 | - | - | - | - | |
| LC0008 | - | - | - | - | |
| LC0009 | - | - | - | - | |
| LC0010 | 0.612 | 0.08433 | - | - | |
| LC0011 | - | - | - | - | |
| LC0012 | 0.68 | 0.21 | - | - | |
| LC0013 | - | - | - | - | |
| LC0014 | - | - | - | - | |
| LC0015 | - | - | - | - | |

Characteristics of parameter

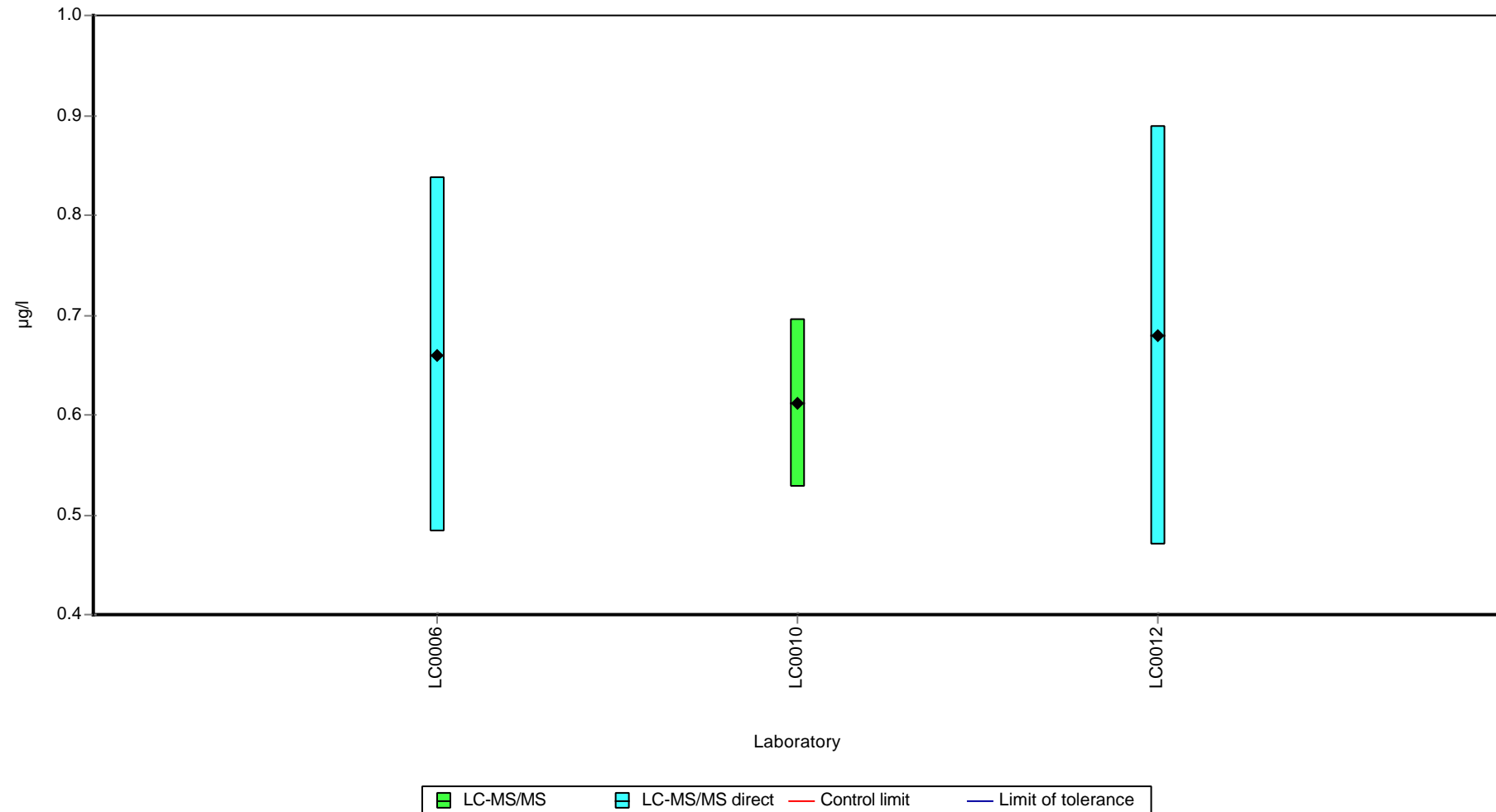
| | all results | w ithout outliers | Unit |
|-------------------------|----------------|-------------------|------|
| Mean ± CI (99%) | 0.651 ± 0.0605 | - | µg/l |
| Minimum | 0.612 | 0.612 | µg/l |
| Maximum | 0.68 | 0.68 | µg/l |
| Standard deviation | 0.0349 | - | µg/l |
| rel. standard deviation | 5.37 | - | % |
| n | 3 | 3 | - |

Parameter oriented report Pesticides H119

Sample: H119A, Parameter: Chlorothalonil-4-hydroxy

Graphical presentation of results

Results



Parameter oriented report Pesticides H119

Sample: H119B, Parameter: Chlorothalonil-4-hydroxy

Parameter oriented report

H119 B

**Chlorothalonil-4-hydroxy*

Unit $\mu\text{g/l}$
Assigned value $\pm U$ (k=2) -
Criterion -
Minimum - Maximum 0.493 - 0.5
Control test value $\pm U$ (k=2) 0.583 ± 0.291

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

This can be used for comparison as part of your internal QA measures:
MV (n=3; accr.) $\pm U$ (k=2): $0.498 \pm 0.00467 \mu\text{g/l}$

**Not accredited according to EN ISO/IEC 17043

| Labcode | Result | $\pm U$ | Recovery [%] | z-score | Comments |
|---------|--------|---------|--------------|---------|----------|
| LC0001 | - | - | - | - | |
| LC0002 | - | - | - | - | |
| LC0003 | - | - | - | - | |
| LC0004 | - | - | - | - | |
| LC0005 | - | - | - | - | |
| LC0006 | 0.5 | 0.135 | - | - | |
| LC0007 | - | - | - | - | |
| LC0008 | - | - | - | - | |
| LC0009 | - | - | - | - | |
| LC0010 | 0.493 | 0.06794 | - | - | |
| LC0011 | - | - | - | - | |
| LC0012 | 0.5 | 0.15 | - | - | |
| LC0013 | - | - | - | - | |
| LC0014 | - | - | - | - | |
| LC0015 | - | - | - | - | |

Characteristics of parameter

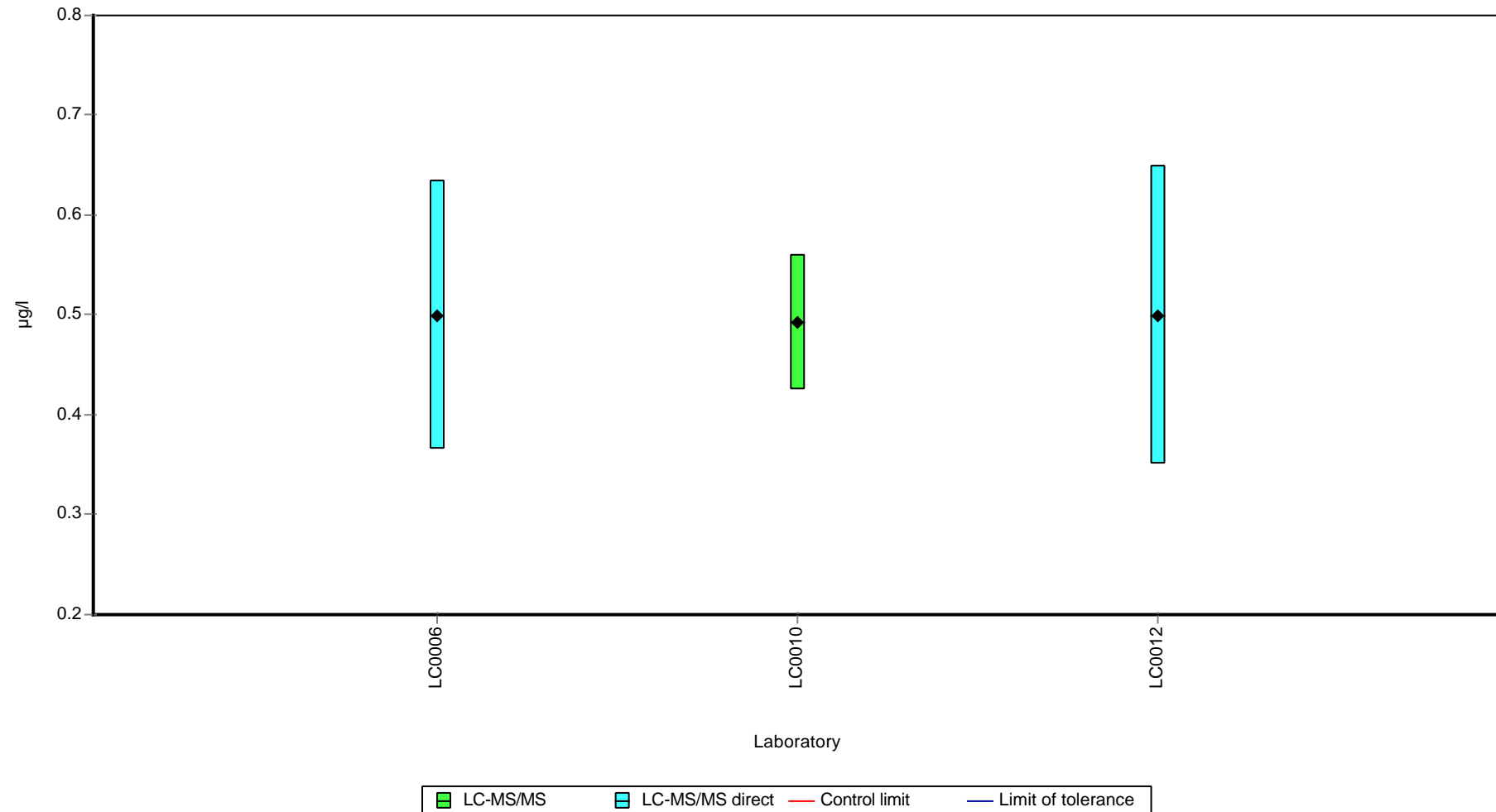
| | all results | without outliers | Unit |
|-------------------------|-------------------|------------------|-----------------|
| Mean \pm CI (99%) | 0.498 ± 0.007 | - | $\mu\text{g/l}$ |
| Minimum | 0.493 | 0.493 | $\mu\text{g/l}$ |
| Maximum | 0.5 | 0.5 | $\mu\text{g/l}$ |
| Standard deviation | 0.00404 | - | $\mu\text{g/l}$ |
| rel. standard deviation | 0.812 | - | % |
| n | 3 | 3 | - |

Parameter oriented report Pesticides H119

Sample: H119B, Parameter: Chlorothalonil-4-hydroxy

Graphical presentation of results

Results



Parameter oriented report Pesticides H119

Sample: H119A, Parameter: Chlorothalonil Metabolite
R471811

Parameter oriented report

H119 A

**Chlorothalonil Metabolite R471811

**Not accredited according to EN ISO/IEC 17043

| | |
|------------------------------|----------------|
| Unit | µg/l |
| Assigned value ± U (k=2) | 0.479 ± 0.0341 |
| Criterion | 0.0479 (10 %) |
| Minimum - Maximum | 0.411 - 0.542 |
| Control test value ± U (k=2) | 0.404 ± 0.101 |

| Labcode | Result | ± U | Recovery [%] | z-score | Comments |
|---------|--------|---------|--------------|---------|----------|
| LC0001 | - | - | - | - | |
| LC0002 | - | - | - | - | |
| LC0003 | 0.467 | 0.07 | 97.5 | -0.25 | |
| LC0004 | - | - | - | - | |
| LC0005 | - | - | - | - | |
| LC0006 | 0.532 | 0.192 | 111 | 1.1 | |
| LC0007 | 0.4883 | 0.1465 | 102 | 0.19 | |
| LC0008 | - | - | - | - | |
| LC0009 | - | - | - | - | |
| LC0010 | 0.411 | 0.09519 | 85.8 | -1.42 | |
| LC0011 | 0.509 | 0.092 | 106 | 0.62 | |
| LC0012 | 0.42 | 0.12 | 87.7 | -1.23 | |
| LC0013 | 0.542 | 0.0542 | 113 | 1.31 | |
| LC0014 | 0.464 | 0.1392 | 96.8 | -0.32 | |
| LC0015 | - | - | - | - | |

Characteristics of parameter

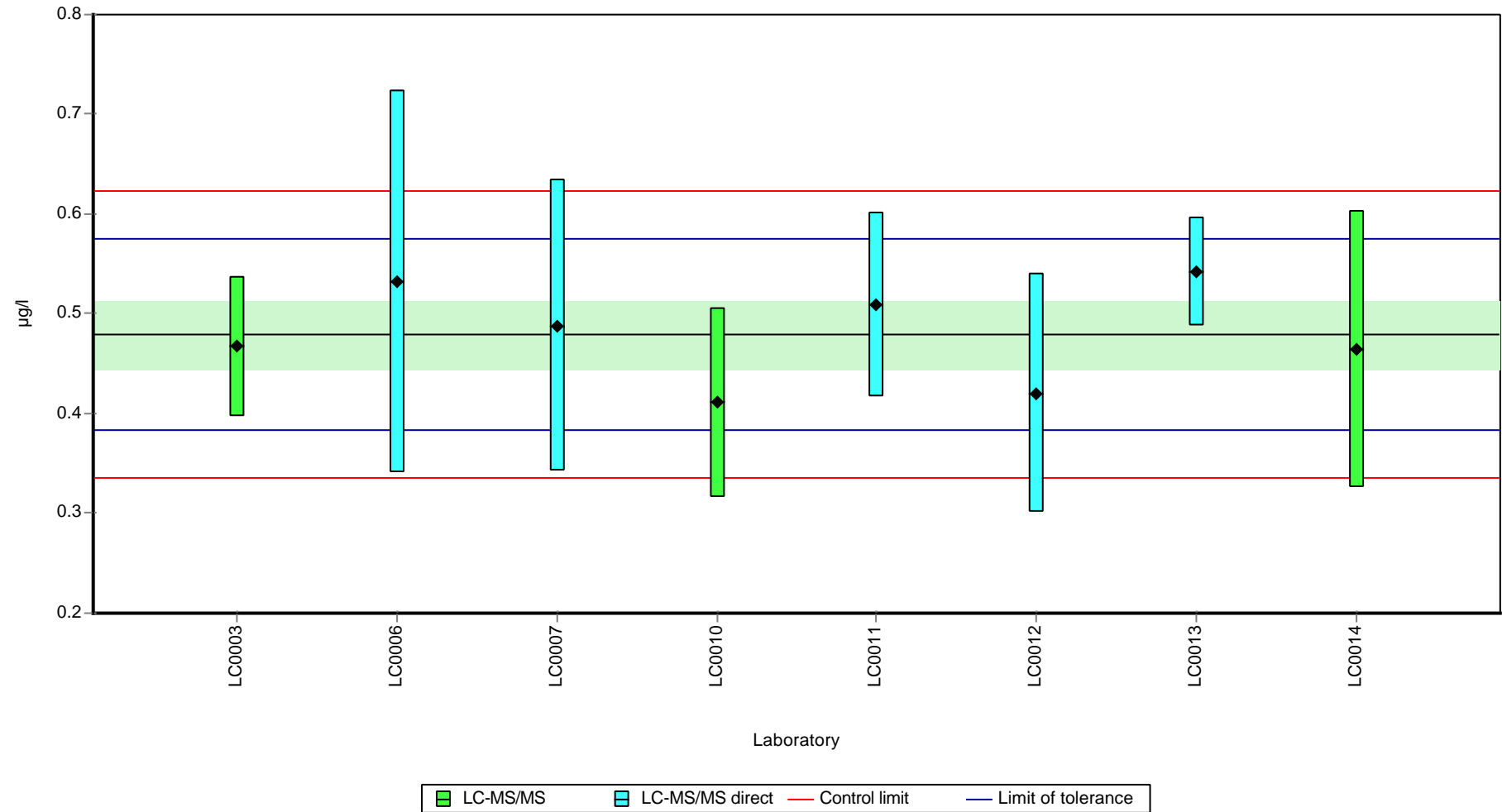
| | all results | without outliers | Unit |
|-------------------------|----------------|------------------|------|
| Mean ± CI (99%) | 0.479 ± 0.0511 | 0.479 ± 0.0511 | µg/l |
| Minimum | 0.411 | 0.411 | µg/l |
| Maximum | 0.542 | 0.542 | µg/l |
| Standard deviation | 0.0482 | 0.0482 | µg/l |
| rel. standard deviation | 10.1 | 10.1 | % |
| n | 8 | 8 | - |

Parameter oriented report Pesticides H119

Sample: H119A, Parameter: Chlorothalonil Metabolite R471811

Graphical presentation of results

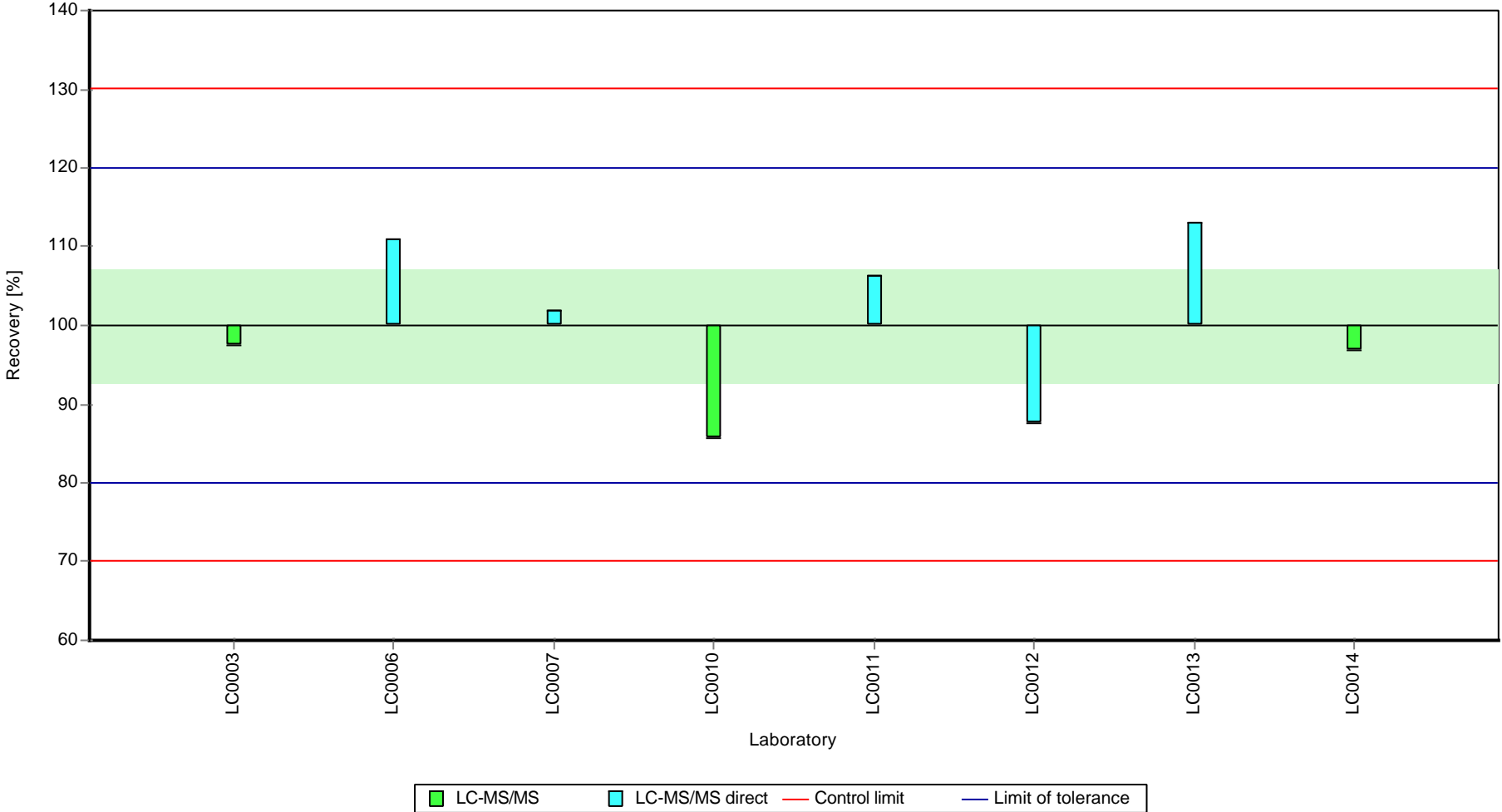
Results



Parameter oriented report Pesticides H119

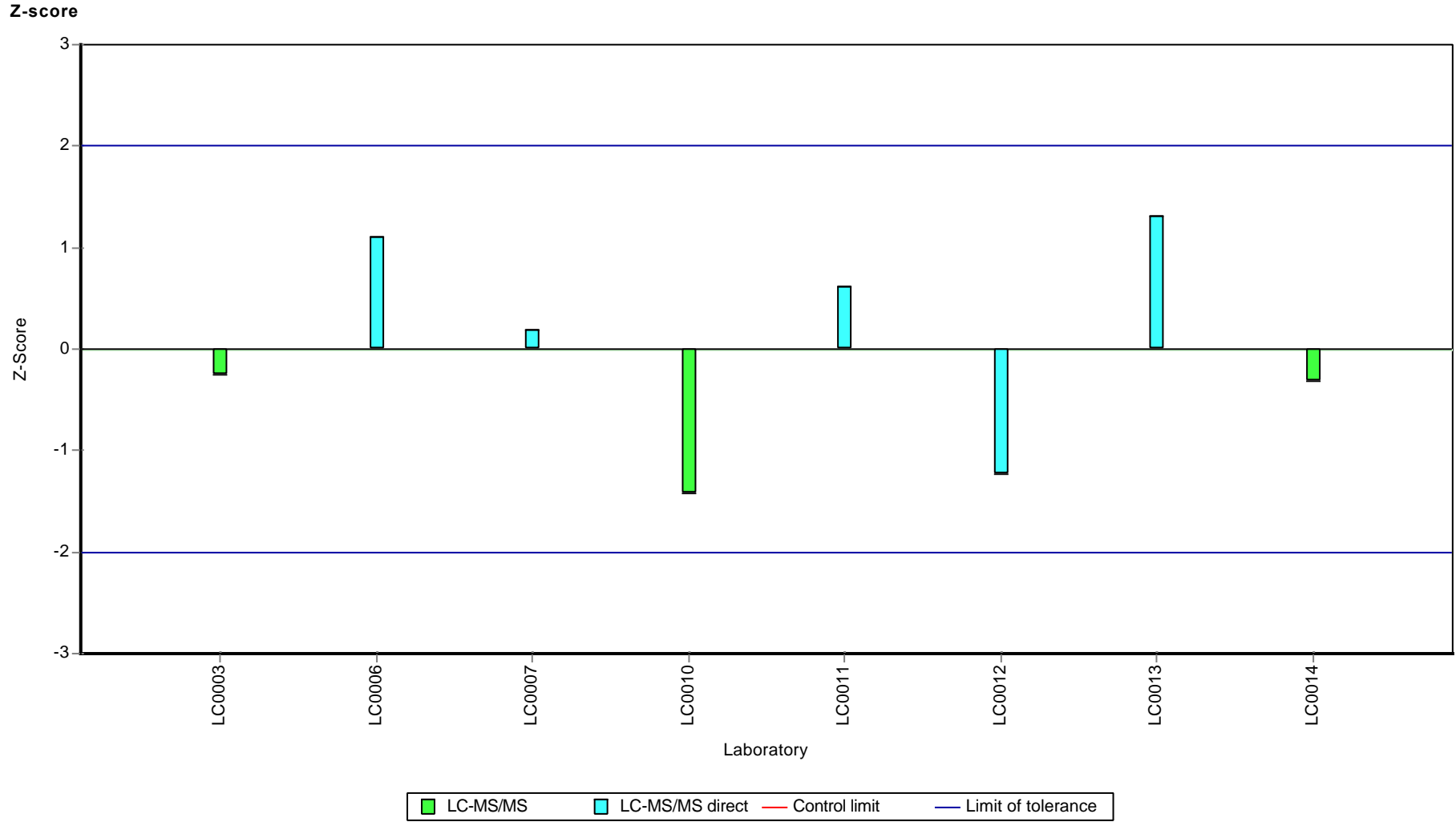
Sample: H119A, Parameter: Chlorothalonil Metabolite R471811

Recovery rate



Parameter oriented report Pesticides H119

Sample: H119A, Parameter: Chlorothalonil Metabolite R471811



Parameter oriented report Pesticides H119

Sample: H119B, Parameter: Chlorothalonil Metabolite
R471811

Parameter oriented report

H119 B

**Chlorothalonil Metabolite R471811

**Not accredited according to EN ISO/IEC 17043

| | |
|------------------------------|----------------|
| Unit | µg/l |
| Assigned value ± U (k=2) | 0.637 ± 0.0559 |
| Criterion | 0.0701 (11 %) |
| Minimum - Maximum | 0.537 - 0.745 |
| Control test value ± U (k=2) | 0.664 ± 0.166 |

| Labcode | Result | ± U | Recovery [%] | z-score | Comments |
|---------|--------|---------|--------------|---------|----------|
| LC0001 | - | - | - | - | |
| LC0002 | - | - | - | - | |
| LC0003 | - | - | - | - | |
| LC0004 | - | - | - | - | |
| LC0005 | - | - | - | - | |
| LC0006 | 0.642 | 0.231 | 101 | 0.07 | |
| LC0007 | 0.6326 | 0.1898 | 99.3 | -0.06 | |
| LC0008 | - | - | - | - | |
| LC0009 | - | - | - | - | |
| LC0010 | 0.537 | 0.12437 | 84.3 | -1.43 | |
| LC0011 | 0.604 | 0.109 | 94.8 | -0.47 | |
| LC0012 | 0.4 | 0.12 | 62.8 | -3.38 | H |
| LC0013 | 0.7453 | 0.0745 | 117 | 1.55 | |
| LC0014 | 0.661 | 0.1983 | 104 | 0.34 | |
| LC0015 | - | - | - | - | |

Characteristics of parameter

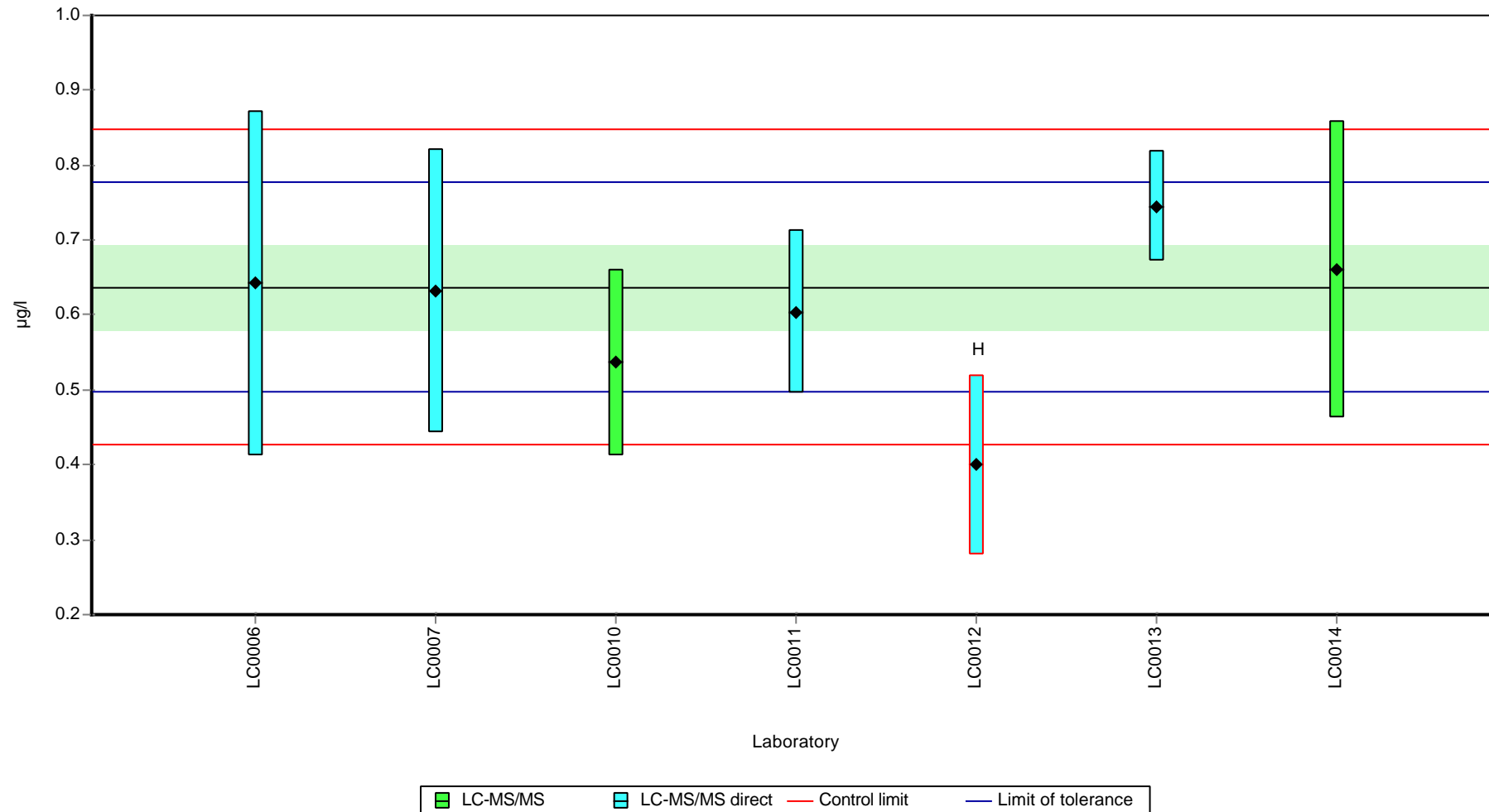
| | all results | without outliers | Unit |
|-------------------------|---------------|------------------|------|
| Mean ± CI (99%) | 0.603 ± 0.124 | 0.637 ± 0.0839 | µg/l |
| Minimum | 0.4 | 0.537 | µg/l |
| Maximum | 0.745 | 0.745 | µg/l |
| Standard deviation | 0.109 | 0.0685 | µg/l |
| rel. standard deviation | 18.1 | 10.7 | % |
| n | 7 | 6 | - |

Parameter oriented report Pesticides H119

Sample: H119B, Parameter: Chlorothalonil Metabolite R471811

Graphical presentation of results

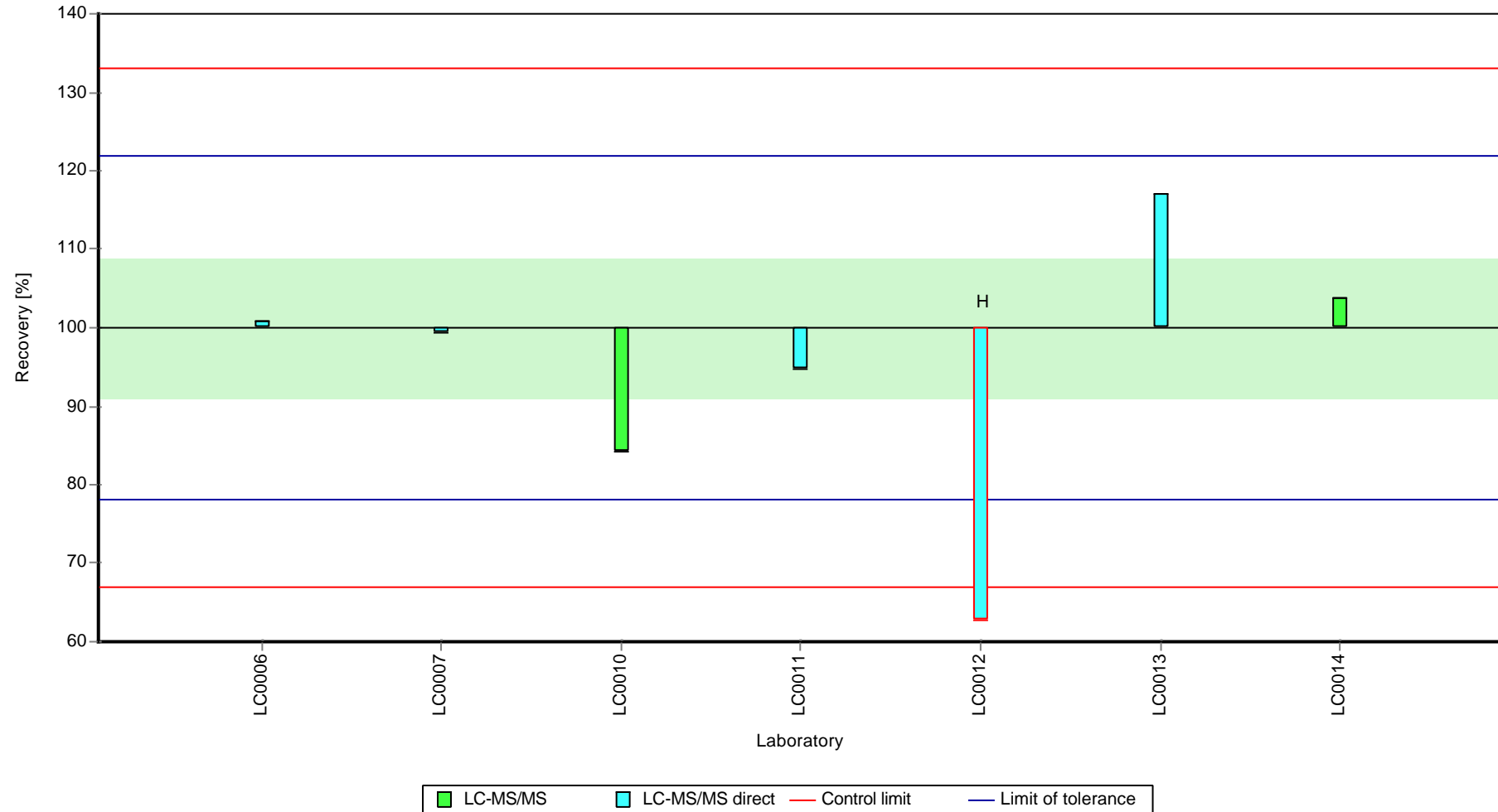
Results



Parameter oriented report Pesticides H119

Sample: H119B, Parameter: Chlorothalonil Metabolite R471811

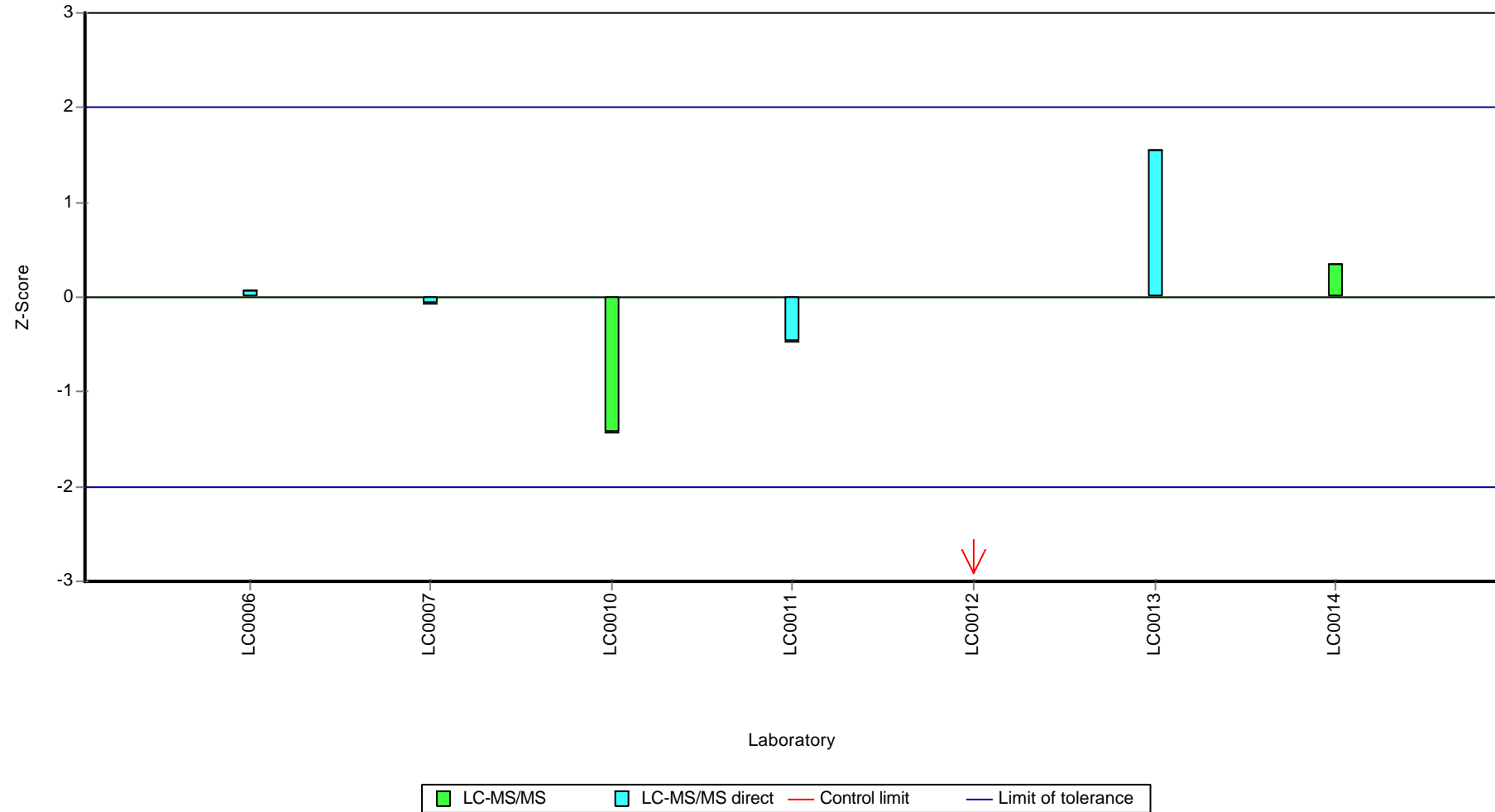
Recovery rate



Parameter oriented report Pesticides H119

Sample: H119B, Parameter: Chlorothalonil Metabolite R471811

Z-score



Parameter oriented report Pesticides H119

Sample: H119A, Parameter: Chlorothalonil Metabolite
R611965 (3-carbamyl-2,4,5-trichlorobenzoic acid)

Parameter oriented report

H119 A

**Chlorothalonil Metabolite R611965 (3-carbamyl-2,4,5-trichlorobenzoic acid)*

| | | |
|------------------------------|---------------|--|
| Unit | µg/l | *The calculated mean value MV +/- U(k=2) based on the data of the accredited laboratories (n) after outlier removal is listed for information. |
| Assigned value ± U (k=2) | - | This can be used for comparison as part of your internal QA measures: MV (n=4; accr.) +/- U(k=2): 0.354 +/- 0.0399 µg/l |
| Criterion | - | **Not accredited according to EN ISO/IEC 17043 |
| Minimum - Maximum | 0.305 - 0.394 | |
| Control test value ± U (k=2) | 0.344 ± 0.155 | |

| Labcode | Result | ± U | Recovery [%] | z-score | Comments |
|---------|--------|---------|--------------|---------|----------|
| LC0001 | - | - | - | - | |
| LC0002 | - | - | - | - | |
| LC0003 | - | - | - | - | |
| LC0004 | - | - | - | - | |
| LC0005 | - | - | - | - | |
| LC0006 | 0.394 | 0.15 | - | - | |
| LC0007 | - | - | - | - | |
| LC0008 | - | - | - | - | |
| LC0009 | - | - | - | - | |
| LC0010 | 0.305 | 0.09058 | - | - | |
| LC0011 | 0.378 | 0.068 | - | - | |
| LC0012 | 0.34 | 0.11 | - | - | |
| LC0013 | - | - | - | - | |
| LC0014 | - | - | - | - | |
| LC0015 | - | - | - | - | |

Characteristics of parameter

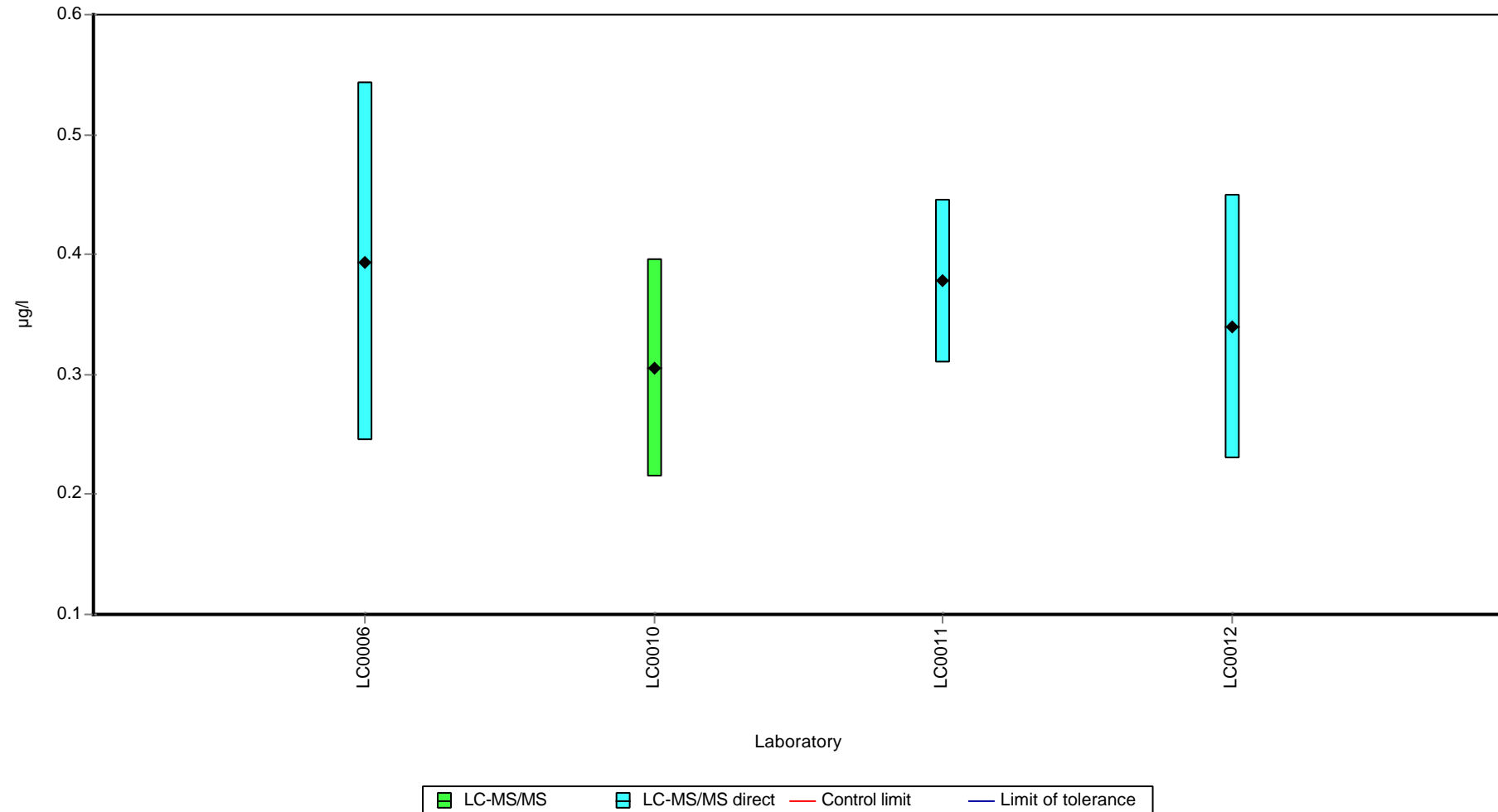
| | all results | without outliers | Unit |
|-------------------------|----------------|------------------|------|
| Mean ± CI (99%) | 0.354 ± 0.0598 | - | µg/l |
| Minimum | 0.305 | 0.305 | µg/l |
| Maximum | 0.394 | 0.394 | µg/l |
| Standard deviation | 0.0399 | - | µg/l |
| rel. standard deviation | 11.3 | - | % |
| n | 4 | 4 | - |

Parameter oriented report Pesticides H119

Sample: H119A, Parameter: Chlorothalonil Metabolite R611965 (3-carbamyl-2,4,5-trichlorobenzoic acid)

Graphical presentation of results

Results



Parameter oriented report Pesticides H119

Sample: H119B, Parameter: Chlorothalonil Metabolite
R611965 (3-carbamyl-2,4,5-trichlorobenzoic acid)

Parameter oriented report

H119 B

**Chlorothalonil Metabolite R611965 (3-carbamyl-2,4,5-trichlorobenzoic acid)*

| | | |
|------------------------------|----------------|--|
| Unit | µg/l | *The calculated mean value MV +/- U(k=2) based on the data of the accredited laboratories (n) after outlier removal is listed for information. |
| Assigned value ± U (k=2) | - | This can be used for comparison as part of your internal QA measures: |
| Criterion | - | MV (n=4; accr.) +/- U(k=2): 0.177 +/- 0.0256 µg/l |
| Minimum - Maximum | 0.154 - 0.21 | **Not accredited according to EN ISO/IEC 17043 |
| Control test value ± U (k=2) | 0.177 ± 0.0797 | |

| Labcode | Result | ± U | Recovery [%] | z-score | Comments |
|---------|--------|---------|--------------|---------|----------|
| LC0001 | - | - | - | - | |
| LC0002 | - | - | - | - | |
| LC0003 | - | - | - | - | |
| LC0004 | - | - | - | - | |
| LC0005 | - | - | - | - | |
| LC0006 | 0.185 | 0.07 | - | - | |
| LC0007 | - | - | - | - | |
| LC0008 | - | - | - | - | |
| LC0009 | - | - | - | - | |
| LC0010 | 0.154 | 0.04574 | - | - | |
| LC0011 | 0.21 | 0.038 | - | - | |
| LC0012 | 0.16 | 0.06 | - | - | |
| LC0013 | - | - | - | - | |
| LC0014 | - | - | - | - | |
| LC0015 | - | - | - | - | |

Characteristics of parameter

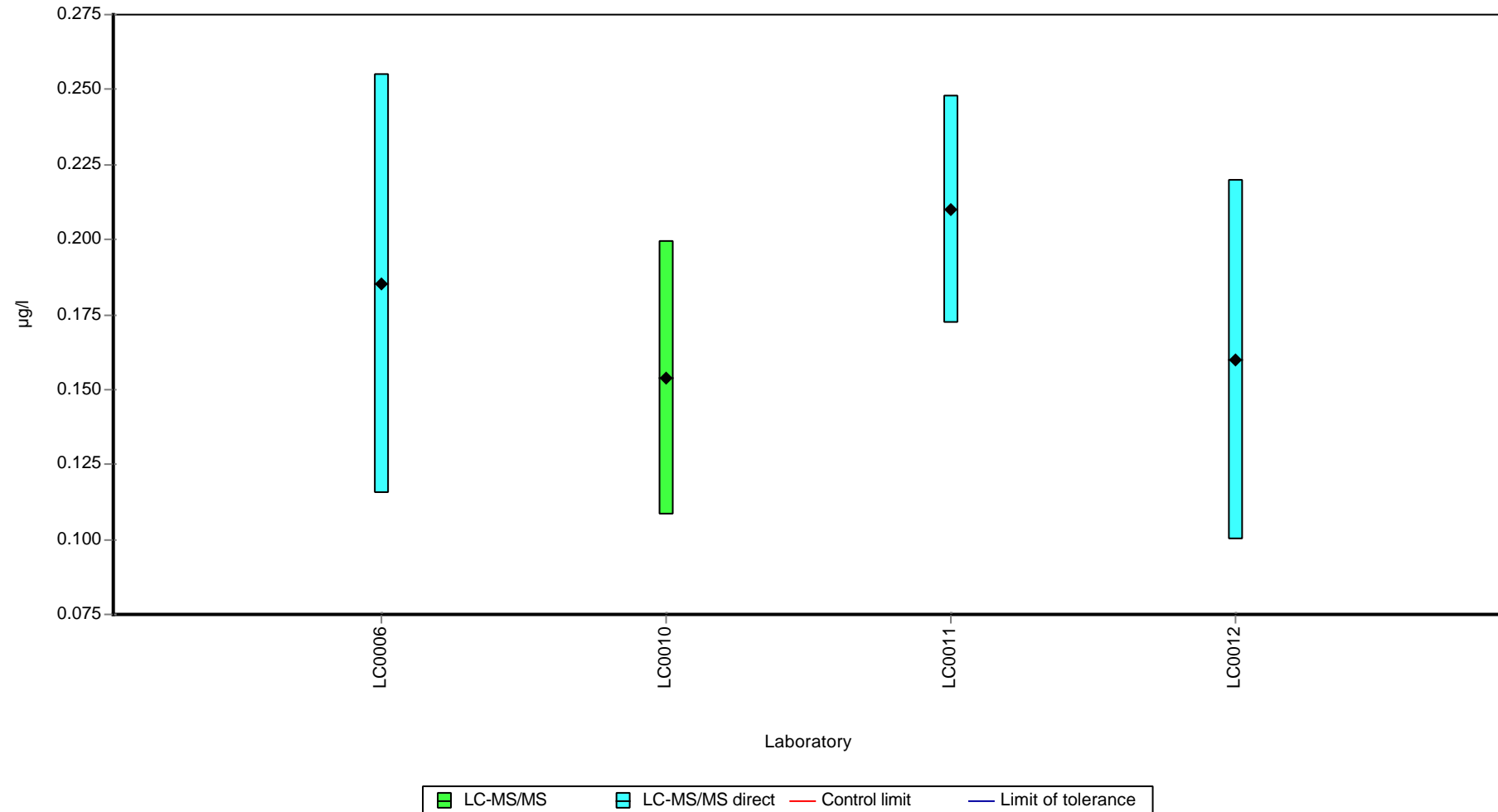
| | all results | without outliers | Unit |
|-------------------------|----------------|------------------|------|
| Mean ± CI (99%) | 0.177 ± 0.0384 | - | µg/l |
| Minimum | 0.154 | 0.154 | µg/l |
| Maximum | 0.21 | 0.21 | µg/l |
| Standard deviation | 0.0256 | - | µg/l |
| rel. standard deviation | 14.5 | - | % |
| n | 4 | 4 | - |

Parameter oriented report Pesticides H119

Sample: H119B, Parameter: Chlorothalonil Metabolite R611965 (3-carbamyl-2,4,5-trichlorobenzoic acid)

Graphical presentation of results

Results



Parameter oriented report Pesticides H119

Sample: H119A, Parameter: Chlorothalonil Metabolite
R611968

Parameter oriented report

H119 A

**Chlorothalonil Metabolite R611968*

Unit $\mu\text{g/l}$
Assigned value $\pm U$ (k=2) -
Criterion -
Minimum - Maximum 0.35 - 0.363
Control test value $\pm U$ (k=2) 0.377 ± 0.0566

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

This can be used for comparison as part of your internal QA measures:
 MV (n=2; accr.) $\pm U(k=2)$: $0.357 \pm 0.0130 \mu\text{g/l}$

**Not accredited according to EN ISO/IEC 17043

| Labcode | Result | $\pm U$ | Recovery [%] | z-score | Comments |
|---------|--------|---------|--------------|---------|----------|
| LC0001 | - | - | - | - | |
| LC0002 | - | - | - | - | |
| LC0003 | - | - | - | - | |
| LC0004 | - | - | - | - | |
| LC0005 | - | - | - | - | |
| LC0006 | - | - | - | - | |
| LC0007 | - | - | - | - | |
| LC0008 | - | - | - | - | |
| LC0009 | - | - | - | - | |
| LC0010 | - | - | - | - | |
| LC0011 | 0.363 | 0.065 | - | - | |
| LC0012 | 0.35 | 0.12 | - | - | |
| LC0013 | - | - | - | - | |
| LC0014 | - | - | - | - | |
| LC0015 | - | - | - | - | |

Characteristics of parameter

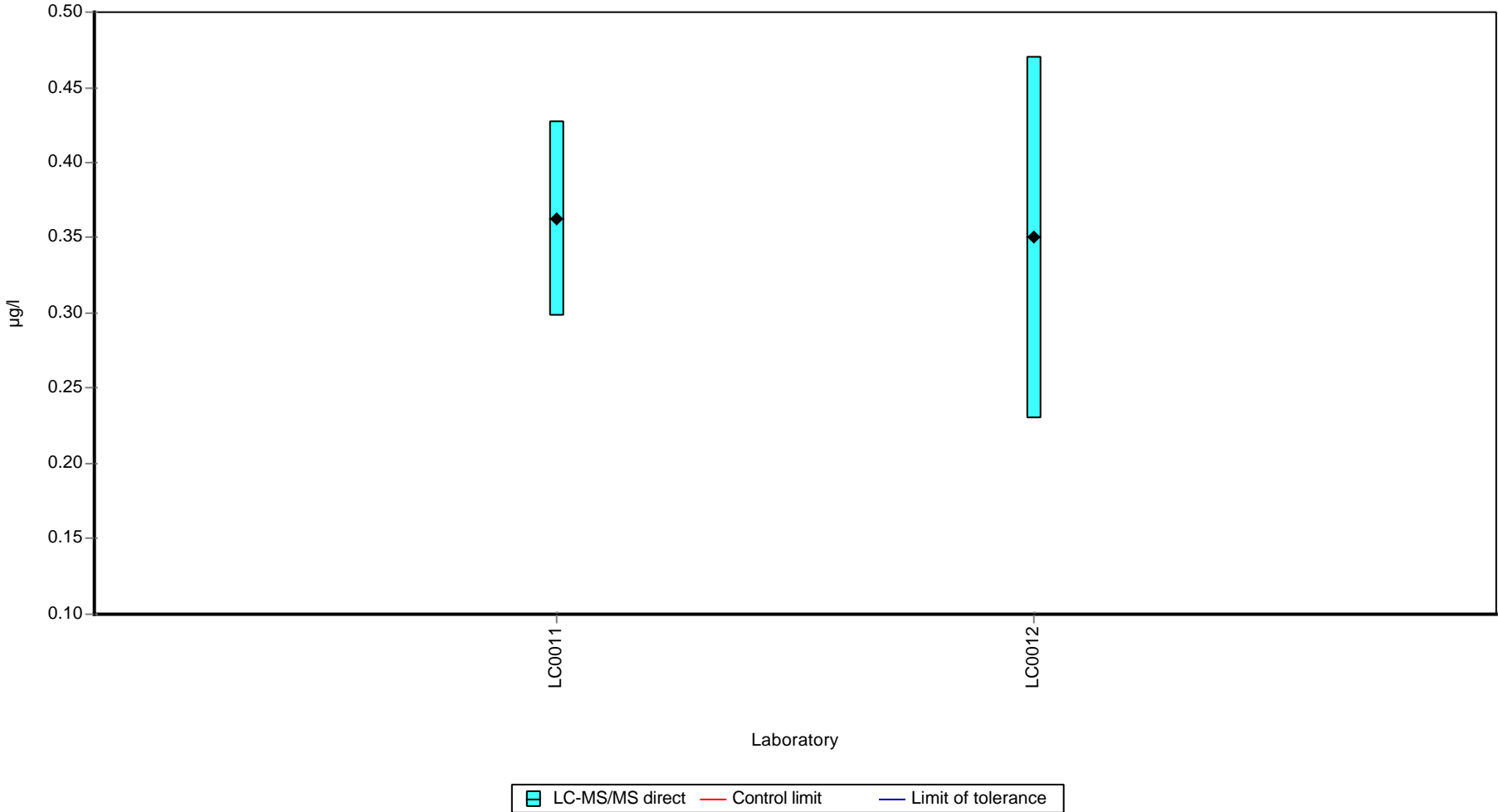
| | all results | w ithout outliers | Unit |
|-------------------------|--------------------|-------------------|-----------------|
| Mean \pm CI (99%) | 0.356 ± 0.0195 | - | $\mu\text{g/l}$ |
| Minimum | 0.35 | 0.35 | $\mu\text{g/l}$ |
| Maximum | 0.363 | 0.363 | $\mu\text{g/l}$ |
| Standard deviation | 0.00919 | - | $\mu\text{g/l}$ |
| rel. standard deviation | 2.58 | - | % |
| n | 2 | 2 | - |

Parameter oriented report Pesticides H119

Sample: H119A, Parameter: Chlorothalonil Metabolite R611968

Graphical presentation of results

Results



Parameter oriented report Pesticides H119

Sample: H119B, Parameter: Chlorothalonil Metabolite
R611968

Parameter oriented report

H119 B

**Chlorothalonil Metabolite R611968*

Unit $\mu\text{g/l}$
Assigned value $\pm U$ (k=2) -
Criterion -
Minimum - Maximum 0.23 - 0.259
Control test value $\pm U$ (k=2) 0.278 ± 0.0417

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

This can be used for comparison as part of your internal QA measures:
 MV (n=2; accr.) $\pm U(k=2)$: $0.245 \pm 0.0290 \mu\text{g/l}$

**Not accredited according to EN ISO/IEC 17043

| Labcode | Result | $\pm U$ | Recovery [%] | z-score | Comments |
|---------|--------|---------|--------------|---------|----------|
| LC0001 | - | - | - | - | |
| LC0002 | - | - | - | - | |
| LC0003 | - | - | - | - | |
| LC0004 | - | - | - | - | |
| LC0005 | - | - | - | - | |
| LC0006 | - | - | - | - | |
| LC0007 | - | - | - | - | |
| LC0008 | - | - | - | - | |
| LC0009 | - | - | - | - | |
| LC0010 | - | - | - | - | |
| LC0011 | 0.259 | 0.047 | - | - | |
| LC0012 | 0.23 | 0.07 | - | - | |
| LC0013 | - | - | - | - | |
| LC0014 | - | - | - | - | |
| LC0015 | - | - | - | - | |

Characteristics of parameter

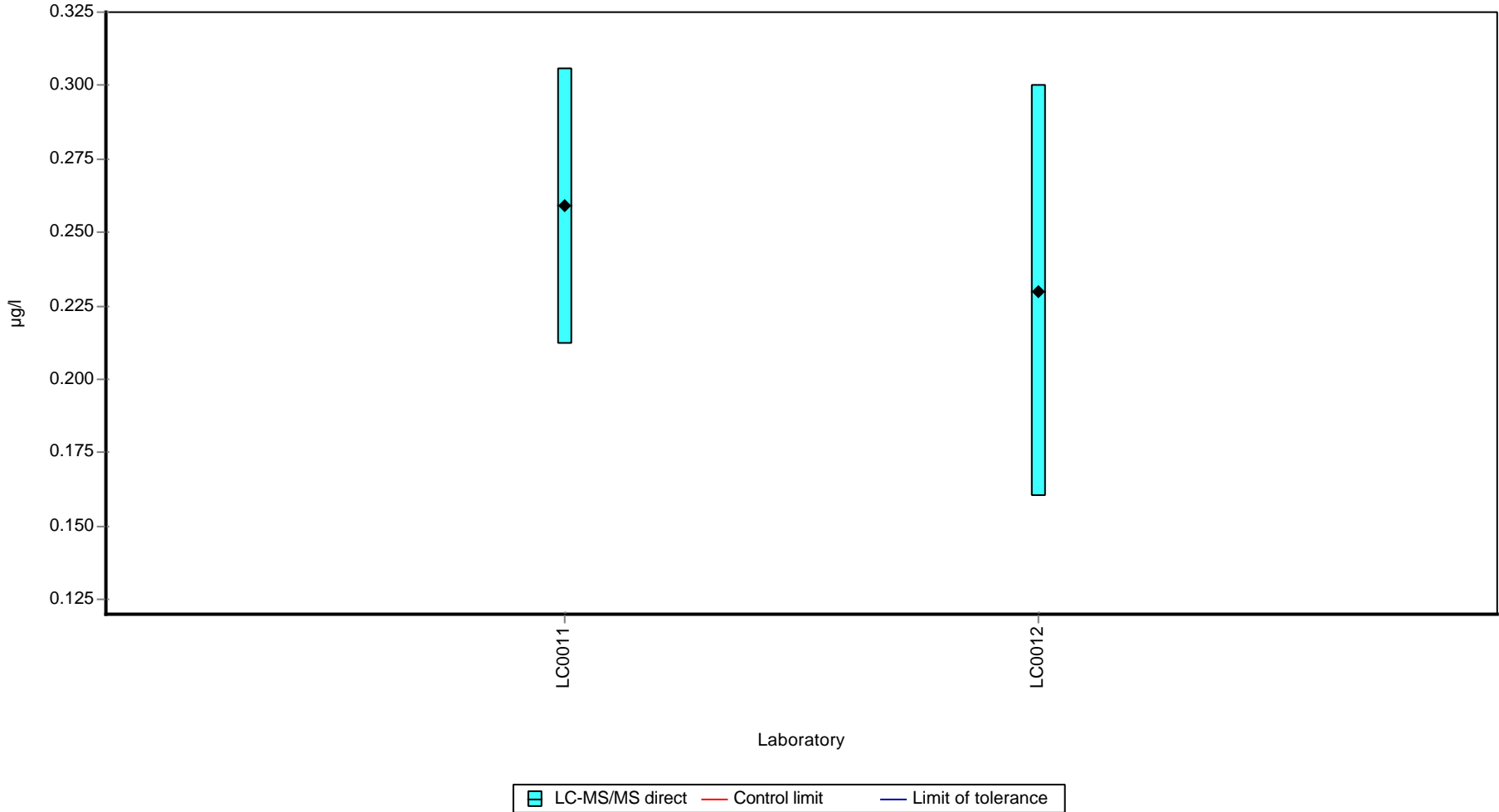
| | all results | w ithout outliers | Unit |
|-------------------------|--------------------|-------------------|-----------------|
| Mean \pm CI (99%) | 0.244 ± 0.0435 | - | $\mu\text{g/l}$ |
| Minimum | 0.23 | 0.23 | $\mu\text{g/l}$ |
| Maximum | 0.259 | 0.259 | $\mu\text{g/l}$ |
| Standard deviation | 0.0205 | - | $\mu\text{g/l}$ |
| rel. standard deviation | 8.39 | - | % |
| n | 2 | 2 | - |

Parameter oriented report Pesticides H119

Sample: H119B, Parameter: Chlorothalonil Metabolite R611968

Graphical presentation of results

Results



Parameter oriented report Pesticides H119

Sample: H119A, Parameter: Chlorothalonil Metabolite
SYN507900

Parameter oriented report

H119 A

**Chlorothalonil Metabolite SYN507900*

Unit $\mu\text{g/l}$
Assigned value $\pm U$ (k=2) -
Criterion -
Minimum - Maximum 0.541 - 0.6
Control test value $\pm U$ (k=2) 0.634 ± 0.158

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

This can be used for comparison as part of your internal QA measures:
MV (n=3; accr.) $\pm U$ (k=2): $0.564 \pm 0.0367 \mu\text{g/l}$

**Not accredited according to EN ISO/IEC 17043

| Labcode | Result | $\pm U$ | Recovery [%] | z-score | Comments |
|---------|--------|---------|--------------|---------|----------|
| LC0001 | - | - | - | - | |
| LC0002 | - | - | - | - | |
| LC0003 | - | - | - | - | |
| LC0004 | - | - | - | - | |
| LC0005 | - | - | - | - | |
| LC0006 | 0.55 | 0.182 | - | - | |
| LC0007 | - | - | - | - | |
| LC0008 | - | - | - | - | |
| LC0009 | - | - | - | - | |
| LC0010 | - | - | - | - | |
| LC0011 | 0.541 | 0.097 | - | - | |
| LC0012 | 0.6 | 0.18 | - | - | |
| LC0013 | - | - | - | - | |
| LC0014 | - | - | - | - | |
| LC0015 | - | - | - | - | |

Characteristics of parameter

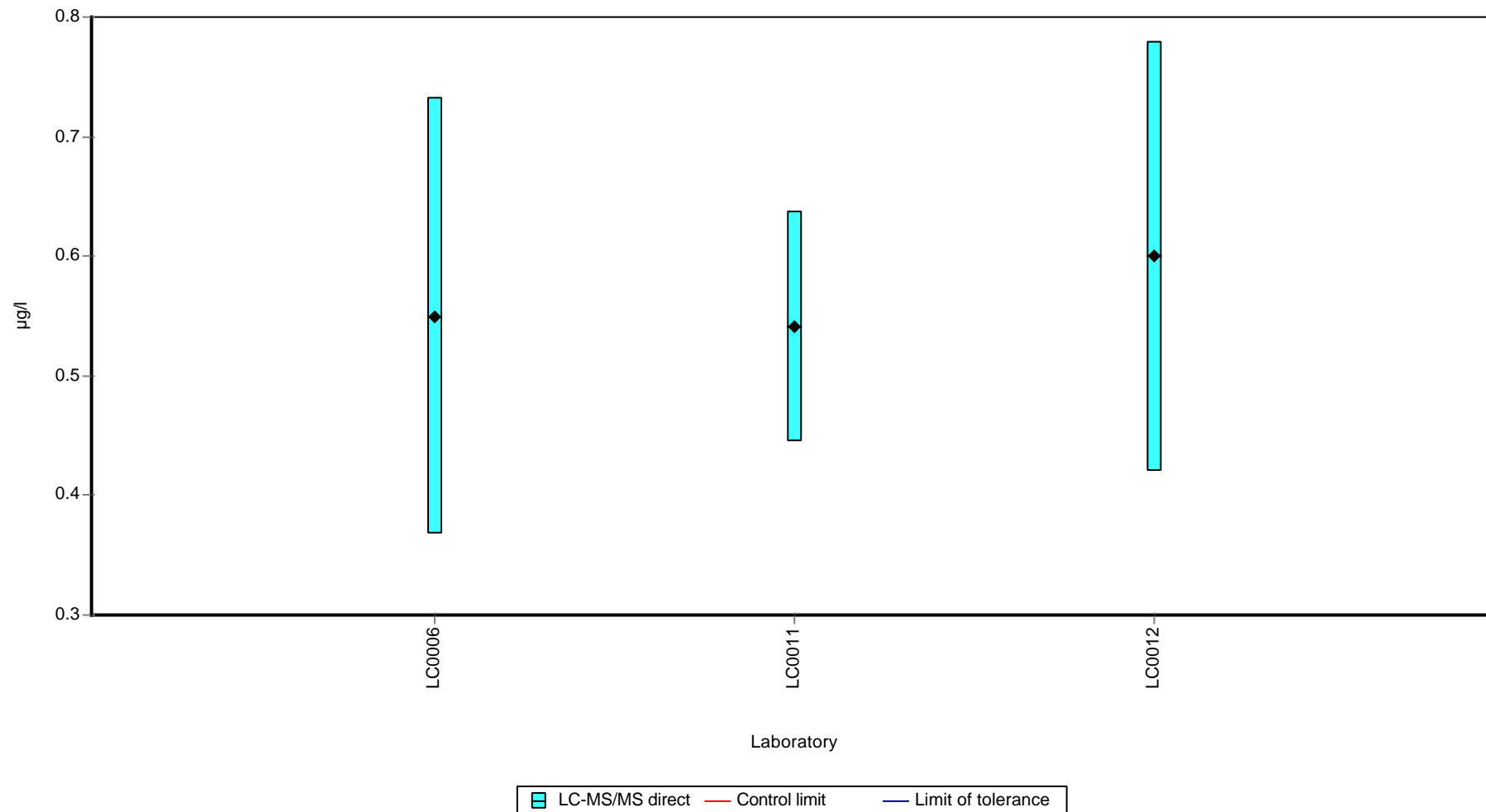
| | all results | w ithout outliers | Unit |
|-------------------------|--------------------|-------------------|-----------------|
| Mean \pm CI (99%) | 0.564 ± 0.0551 | - | $\mu\text{g/l}$ |
| Minimum | 0.541 | 0.541 | $\mu\text{g/l}$ |
| Maximum | 0.6 | 0.6 | $\mu\text{g/l}$ |
| Standard deviation | 0.0318 | - | $\mu\text{g/l}$ |
| rel. standard deviation | 5.64 | - | % |
| n | 3 | 3 | - |

Parameter oriented report Pesticides H119

Sample: H119A, Parameter: Chlorothalonil Metabolite SYN507900

Graphical presentation of results

Results



Parameter oriented report Pesticides H119

Sample: H119B, Parameter: Chlorothalonil Metabolite
SYN507900

Parameter oriented report

H119 B

**Chlorothalonil Metabolite SYN507900*

Unit $\mu\text{g/l}$
Assigned value $\pm U$ (k=2) -
Criterion -
Minimum - Maximum 0.22 - 0.266
Control test value $\pm U$ (k=2) 0.326 ± 0.0814

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

This can be used for comparison as part of your internal QA measures:
 MV (n=3; accr.) $\pm U(k=2)$: $0.246 \pm 0.0274 \mu\text{g/l}$

**Not accredited according to EN ISO/IEC 17043

| Labcode | Result | $\pm U$ | Recovery [%] | z-score | Comments |
|---------|--------|---------|--------------|---------|----------|
| LC0001 | - | - | - | - | |
| LC0002 | - | - | - | - | |
| LC0003 | - | - | - | - | |
| LC0004 | - | - | - | - | |
| LC0005 | - | - | - | - | |
| LC0006 | 0.253 | 0.083 | - | - | |
| LC0007 | - | - | - | - | |
| LC0008 | - | - | - | - | |
| LC0009 | - | - | - | - | |
| LC0010 | - | - | - | - | |
| LC0011 | 0.266 | 0.048 | - | - | |
| LC0012 | 0.22 | 0.07 | - | - | |
| LC0013 | - | - | - | - | |
| LC0014 | - | - | - | - | |
| LC0015 | - | - | - | - | |

Characteristics of parameter

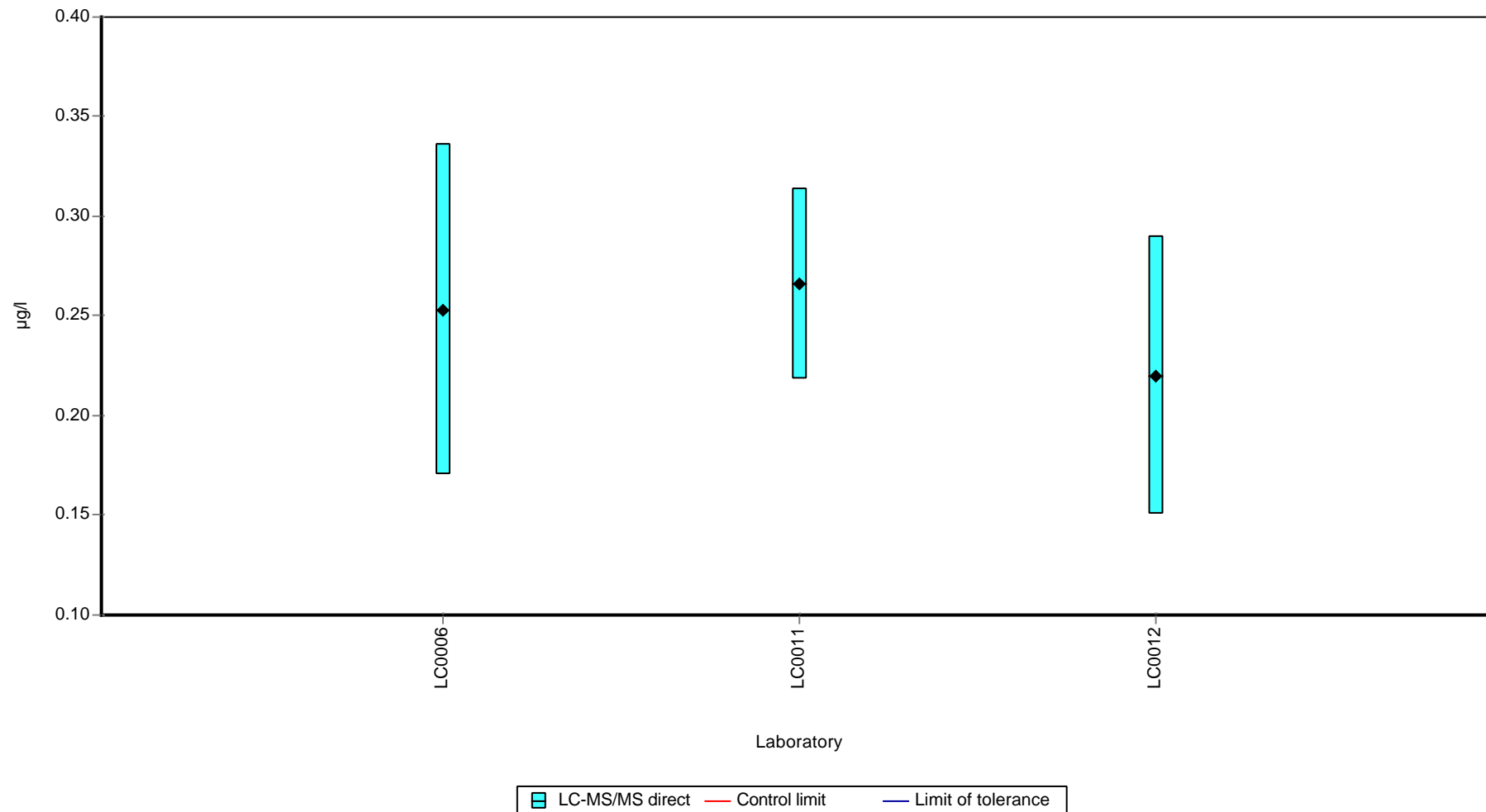
| | all results | w ithout outliers | Unit |
|-------------------------|--------------------|-------------------|-----------------|
| Mean \pm CI (99%) | 0.246 ± 0.0411 | - | $\mu\text{g/l}$ |
| Minimum | 0.22 | 0.22 | $\mu\text{g/l}$ |
| Maximum | 0.266 | 0.266 | $\mu\text{g/l}$ |
| Standard deviation | 0.0237 | - | $\mu\text{g/l}$ |
| rel. standard deviation | 9.63 | - | % |
| n | 3 | 3 | - |

Parameter oriented report Pesticides H119

Sample: H119B, Parameter: Chlorothalonil Metabolite SYN507900

Graphical presentation of results

Results



Parameter oriented report Pesticides H119

Sample: H119A, Parameter: Chlorothalonil Metabolite
SYN548580

Parameter oriented report

H119 A

**Chlorothalonil Metabolite SYN548580*

Unit $\mu\text{g/l}$
Assigned value $\pm U$ (k=2) -
Criterion -
Minimum - Maximum 0.394 - 0.394
Control test value $\pm U$ (k=2) 0.416 ± 0.0624

*The calculated value $V \pm U(k=2)$ based on the data of the accredited laboratory (n) is listed for information.

This can be used for comparison as part of your internal QA measures:
 V (n=1; accr.) $\pm U(k=2)$: $0.394 \pm 0.142 \mu\text{g/l}$

**Not accredited according to EN ISO/IEC 17043

| Labcode | Result | $\pm U$ | Recovery [%] | z-score | Comments |
|---------|--------|---------|--------------|---------|----------|
| LC0001 | - | - | - | - | |
| LC0002 | - | - | - | - | |
| LC0003 | - | - | - | - | |
| LC0004 | - | - | - | - | |
| LC0005 | - | - | - | - | |
| LC0006 | - | - | - | - | |
| LC0007 | - | - | - | - | |
| LC0008 | - | - | - | - | |
| LC0009 | - | - | - | - | |
| LC0010 | - | - | - | - | |
| LC0011 | 0.394 | 0.071 | - | - | |
| LC0012 | - | - | - | - | |
| LC0013 | - | - | - | - | |
| LC0014 | - | - | - | - | |
| LC0015 | - | - | - | - | |

Characteristics of parameter

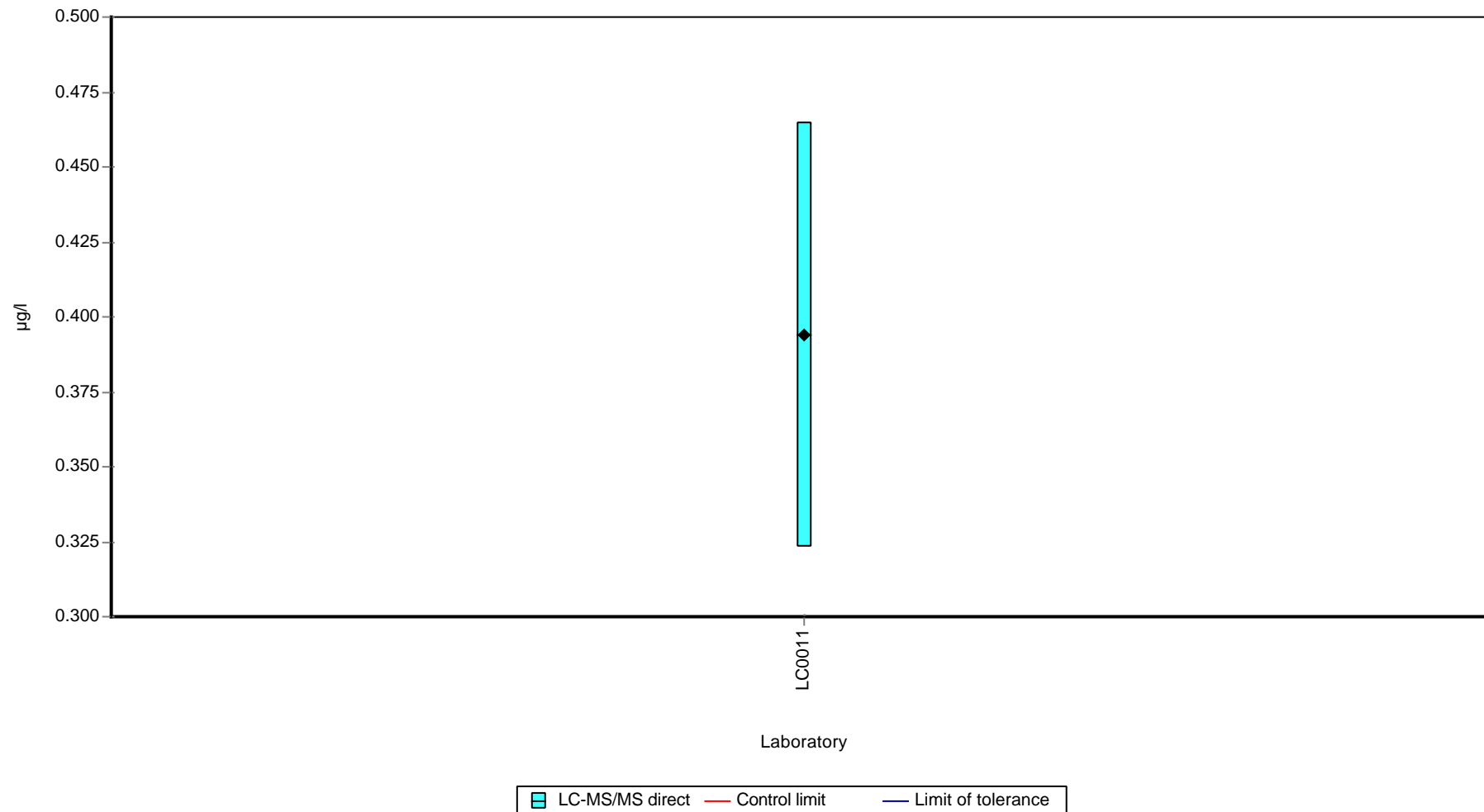
| | all results | w ithout outliers | Unit |
|-------------------------|-------------|-------------------|-----------------|
| Mean \pm CI (99%) | - | - | $\mu\text{g/l}$ |
| Minimum | 0.394 | 0.394 | $\mu\text{g/l}$ |
| Maximum | 0.394 | 0.394 | $\mu\text{g/l}$ |
| Standard deviation | - | - | $\mu\text{g/l}$ |
| rel. standard deviation | - | - | % |
| n | 1 | 1 | - |

Parameter oriented report Pesticides H119

Sample: H119A, Parameter: Chlorothalonil Metabolite SYN548580

Graphical presentation of results

Results



Parameter oriented report Pesticides H119

Sample: H119B, Parameter: Chlorothalonil Metabolite
SYN548580

Parameter oriented report

H119 B

**Chlorothalonil Metabolite SYN548580*

Unit $\mu\text{g/l}$
Assigned value $\pm U$ (k=2) -
Criterion -
Minimum - Maximum 0.605 - 0.605
Control test value $\pm U$ (k=2) 0.671 ± 0.101

*The calculated value $V \pm U$ (k=2) based on the data of the accredited laboratory (n) is listed for information.

This can be used for comparison as part of your internal QA measures:
 V (n=1; accr.) $\pm U$ (k=2): $0.605 \pm 0.218 \mu\text{g/l}$

**Not accredited according to EN ISO/IEC 17043

| Labcode | Result | $\pm U$ | Recovery [%] | z-score | Comments |
|---------|--------|---------|--------------|---------|----------|
| LC0001 | - | - | - | - | |
| LC0002 | - | - | - | - | |
| LC0003 | - | - | - | - | |
| LC0004 | - | - | - | - | |
| LC0005 | - | - | - | - | |
| LC0006 | - | - | - | - | |
| LC0007 | - | - | - | - | |
| LC0008 | - | - | - | - | |
| LC0009 | - | - | - | - | |
| LC0010 | - | - | - | - | |
| LC0011 | 0.605 | 0.109 | - | - | |
| LC0012 | - | - | - | - | |
| LC0013 | - | - | - | - | |
| LC0014 | - | - | - | - | |
| LC0015 | - | - | - | - | |

Characteristics of parameter

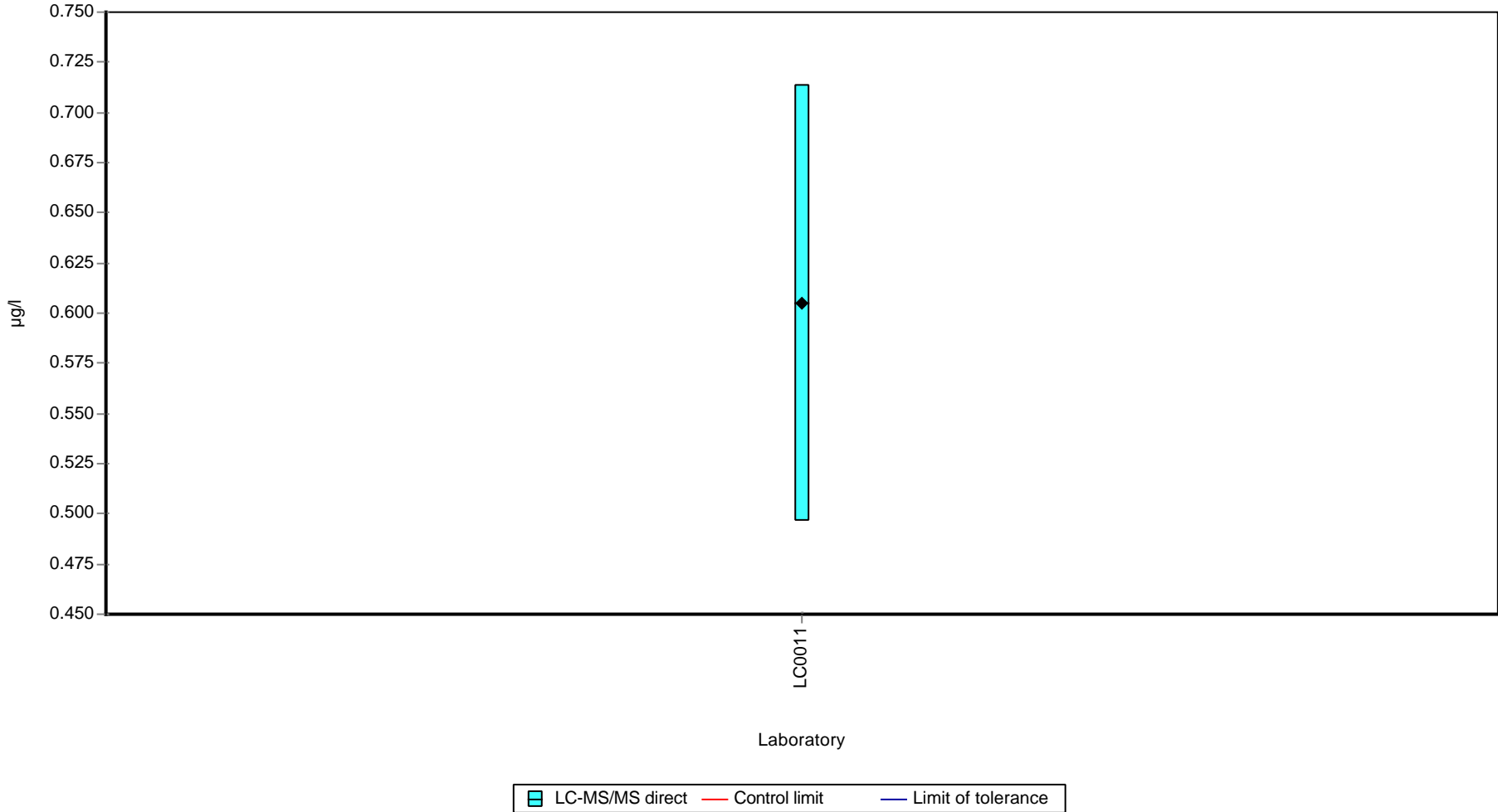
| | all results | without outliers | Unit |
|-------------------------|-------------|------------------|-----------------|
| Mean \pm CI (99%) | - | - | $\mu\text{g/l}$ |
| Minimum | 0.605 | 0.605 | $\mu\text{g/l}$ |
| Maximum | 0.605 | 0.605 | $\mu\text{g/l}$ |
| Standard deviation | - | - | $\mu\text{g/l}$ |
| rel. standard deviation | - | - | % |
| n | 1 | 1 | - |

Parameter oriented report Pesticides H119

Sample: H119B, Parameter: Chlorothalonil Metabolite SYN548580

Graphical presentation of results

Results



Parameter oriented report Pesticides H119

Sample: H119A, Parameter: Chlorothalonil Metabolite
SYN548581

Parameter oriented report

H119 A

**Chlorothalonil Metabolite SYN548581*

Unit $\mu\text{g/l}$
Assigned value $\pm U$ (k=2) -
Criterion -
Minimum - Maximum 0.498 - 0.56
Control test value $\pm U$ (k=2) 0.428 ± 0.128

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

This can be used for comparison as part of your internal QA measures:
 MV (n=2; accr.) $\pm U(k=2)$: $0.529 \pm 0.0620 \mu\text{g/l}$

**Not accredited according to EN ISO/IEC 17043

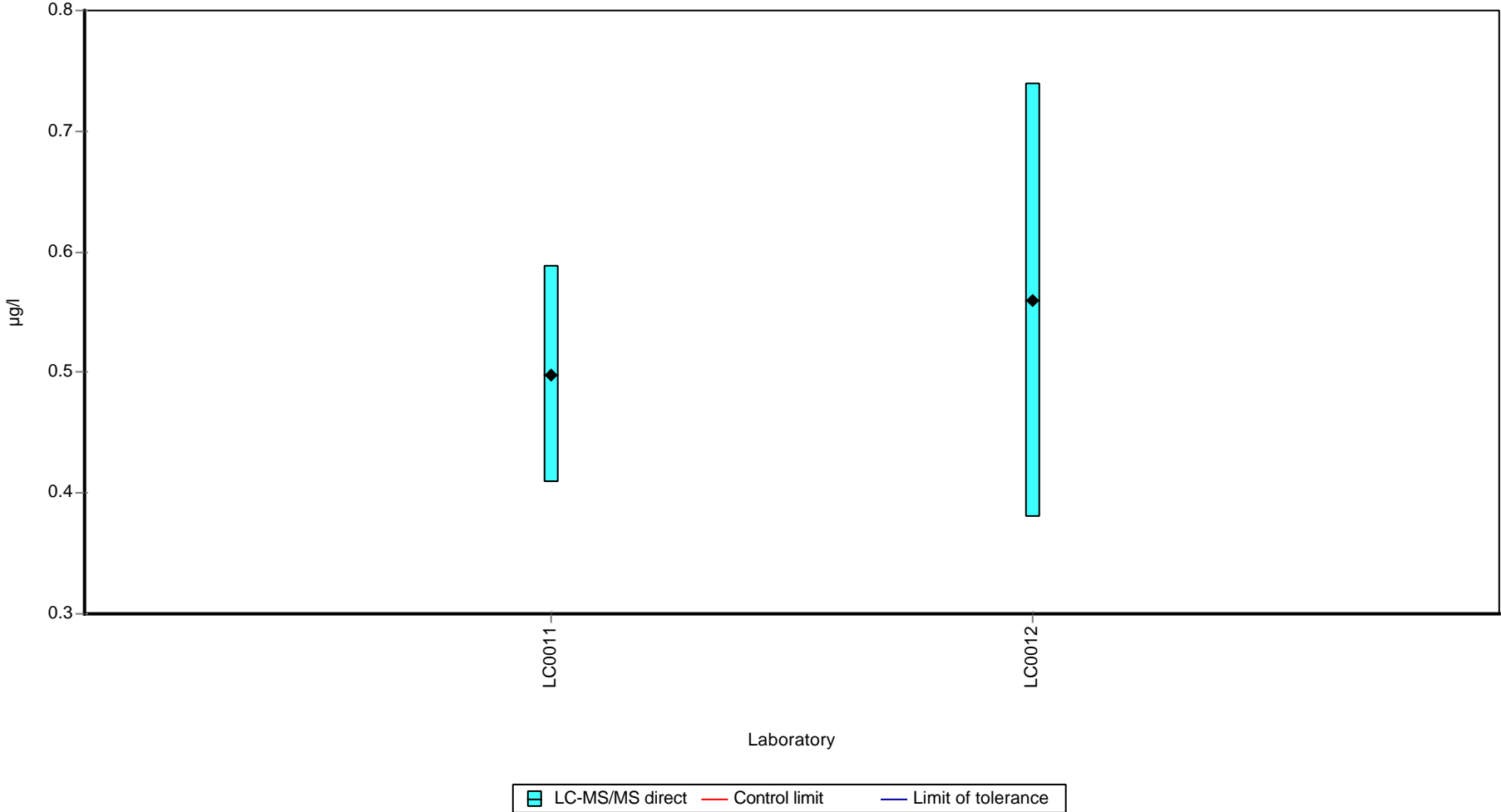
| Labcode | Result | $\pm U$ | Recovery [%] | z-score | Comments |
|---------|--------|---------|--------------|---------|----------|
| LC0001 | - | - | - | - | |
| LC0002 | - | - | - | - | |
| LC0003 | - | - | - | - | |
| LC0004 | - | - | - | - | |
| LC0005 | - | - | - | - | |
| LC0006 | - | - | - | - | |
| LC0007 | - | - | - | - | |
| LC0008 | - | - | - | - | |
| LC0009 | - | - | - | - | |
| LC0010 | - | - | - | - | |
| LC0011 | 0.498 | 0.09 | - | - | |
| LC0012 | 0.56 | 0.18 | - | - | |
| LC0013 | - | - | - | - | |
| LC0014 | - | - | - | - | |
| LC0015 | - | - | - | - | |

Characteristics of parameter

| | all results | w ithout outliers | Unit |
|-------------------------|-------------------|-------------------|-----------------|
| Mean \pm CI (99%) | 0.529 ± 0.093 | - | $\mu\text{g/l}$ |
| Minimum | 0.498 | 0.498 | $\mu\text{g/l}$ |
| Maximum | 0.56 | 0.56 | $\mu\text{g/l}$ |
| Standard deviation | 0.0438 | - | $\mu\text{g/l}$ |
| rel. standard deviation | 8.29 | - | % |
| n | 2 | 2 | - |

Graphical presentation of results

Results



Parameter oriented report Pesticides H119

Sample: H119B, Parameter: Chlorothalonil Metabolite
SYN548581

Parameter oriented report

H119 B

**Chlorothalonil Metabolite SYN548581*

Unit $\mu\text{g/l}$
Assigned value $\pm U$ (k=2) -
Criterion -
Minimum - Maximum 0.18 - 0.24
Control test value $\pm U$ (k=2) 0.207 ± 0.0622

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

This can be used for comparison as part of your internal QA measures:
 MV (n=2; accr.) $\pm U(k=2)$: $0.210 \pm 0.060 \mu\text{g/l}$

**Not accredited according to EN ISO/IEC 17043

| Labcode | Result | $\pm U$ | Recovery [%] | z-score | Comments |
|---------|--------|---------|--------------|---------|----------|
| LC0001 | - | - | - | - | |
| LC0002 | - | - | - | - | |
| LC0003 | - | - | - | - | |
| LC0004 | - | - | - | - | |
| LC0005 | - | - | - | - | |
| LC0006 | - | - | - | - | |
| LC0007 | - | - | - | - | |
| LC0008 | - | - | - | - | |
| LC0009 | - | - | - | - | |
| LC0010 | - | - | - | - | |
| LC0011 | 0.24 | 0.043 | - | - | |
| LC0012 | 0.18 | 0.06 | - | - | |
| LC0013 | - | - | - | - | |
| LC0014 | - | - | - | - | |
| LC0015 | - | - | - | - | |

Characteristics of parameter

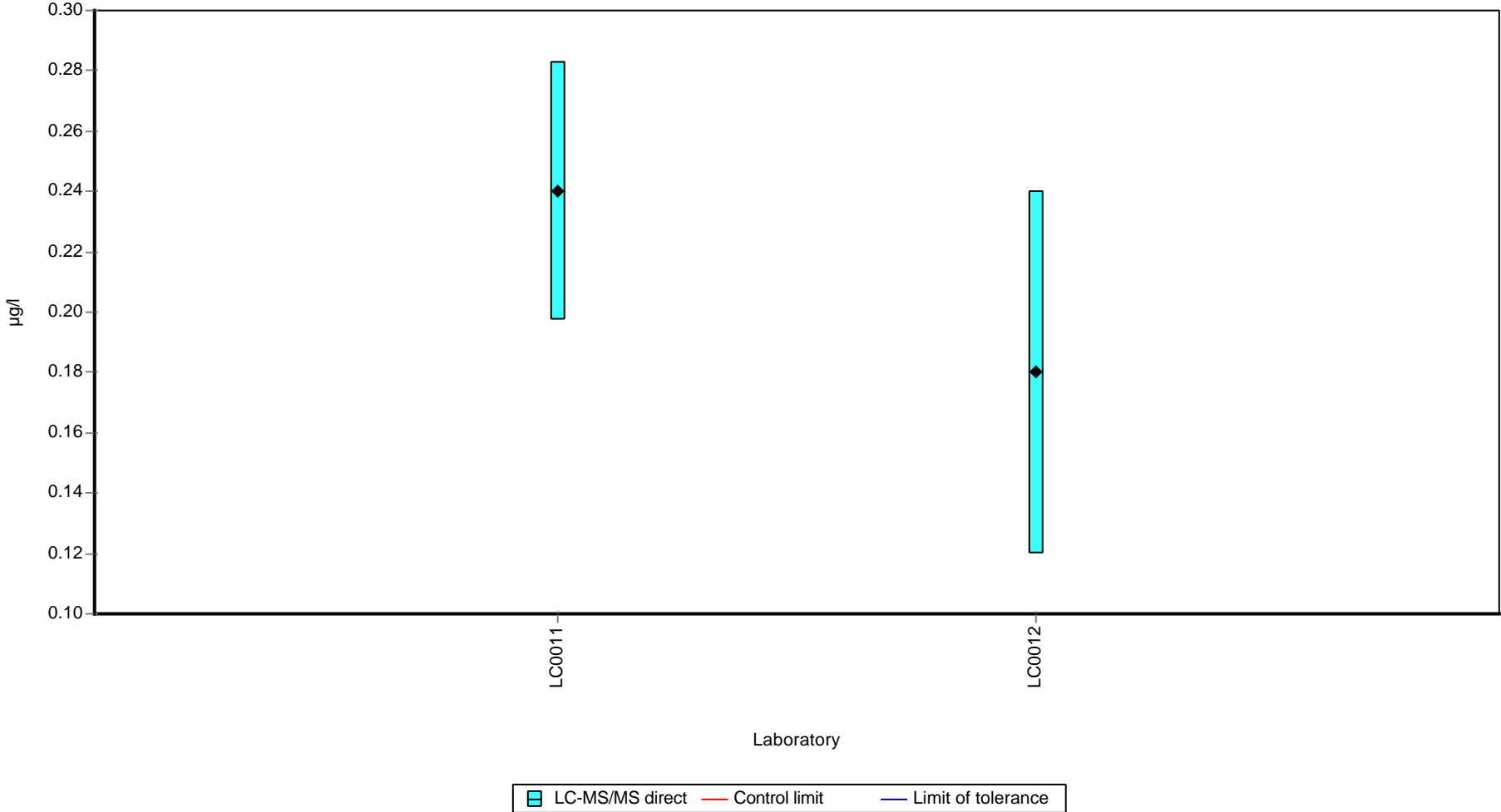
| | all results | w ithout outliers | Unit |
|-------------------------|-----------------|-------------------|-----------------|
| Mean \pm CI (99%) | 0.21 ± 0.09 | - | $\mu\text{g/l}$ |
| Minimum | 0.18 | 0.18 | $\mu\text{g/l}$ |
| Maximum | 0.24 | 0.24 | $\mu\text{g/l}$ |
| Standard deviation | 0.0424 | - | $\mu\text{g/l}$ |
| rel. standard deviation | 20.2 | - | % |
| n | 2 | 2 | - |

Parameter oriented report Pesticides H119

Sample: H119B, Parameter: Chlorothalonil Metabolite SYN548581

Graphical presentation of results

Results



Parameter oriented report Pesticides H119

Sample: H119A, Parameter: Chlorothalonil sulfonic acid (Chlorothalonil-ESA)

Parameter oriented report

H119 A

**Chlorothalonil sulfonic acid (Chlorothalonil-ESA)

| | | |
|------------------------------|----------------|--|
| Unit | µg/l | **Not accredited according to EN ISO/IEC 17043 |
| Assigned value ± U (k=2) | 0.447 ± 0.032 | |
| Criterion | 0.0447 (10 %) | |
| Minimum - Maximum | 0.375 - 0.51 | |
| Control test value ± U (k=2) | 0.471 ± 0.0706 | |

| Labcode | Result | ± U | Recovery [%] | z-score | Comments |
|---------|--------|---------|--------------|---------|----------|
| LC0001 | - | - | - | - | |
| LC0002 | - | - | - | - | |
| LC0003 | - | - | - | - | |
| LC0004 | - | - | - | - | |
| LC0005 | - | - | - | - | |
| LC0006 | 0.456 | 0.1 | 102 | 0.2 | |
| LC0007 | 0.4376 | 0.1094 | 97.8 | -0.22 | |
| LC0008 | - | - | - | - | |
| LC0009 | - | - | - | - | |
| LC0010 | 0.481 | 0.08658 | 108 | 0.76 | |
| LC0011 | 0.434 | 0.078 | 97 | -0.3 | |
| LC0012 | 0.51 | 0.17 | 114 | 1.4 | |
| LC0013 | 0.437 | 0.1794 | 97.7 | -0.23 | |
| LC0014 | 0.375 | 0.1125 | 83.8 | -1.62 | |
| LC0015 | - | - | - | - | |

Characteristics of parameter

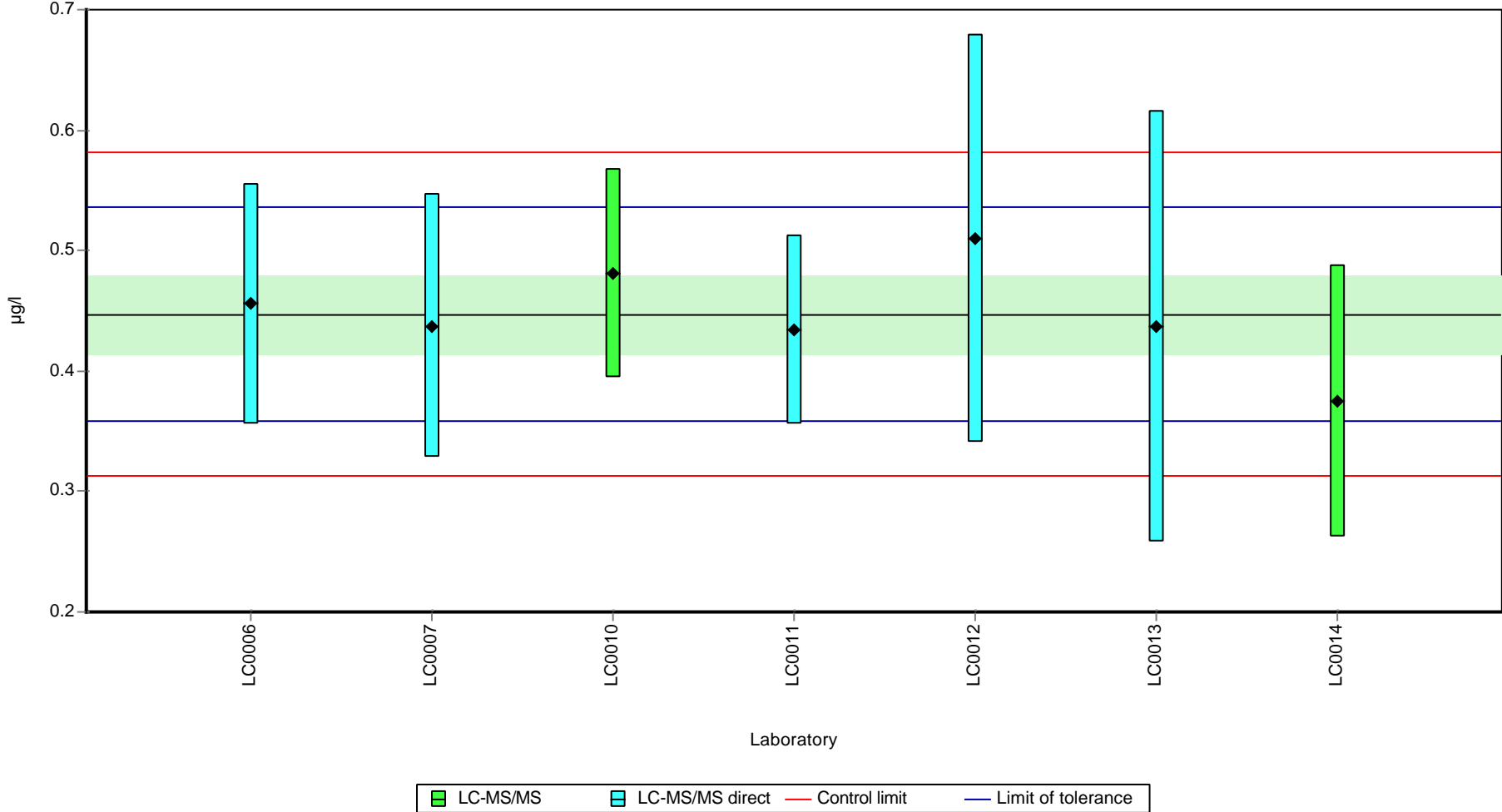
| | all results | without outliers | Unit |
|-------------------------|---------------|------------------|------|
| Mean ± CI (99%) | 0.447 ± 0.048 | 0.447 ± 0.048 | µg/l |
| Minimum | 0.375 | 0.375 | µg/l |
| Maximum | 0.51 | 0.51 | µg/l |
| Standard deviation | 0.0423 | 0.0423 | µg/l |
| rel. standard deviation | 9.46 | 9.46 | % |
| n | 7 | 7 | - |

Parameter oriented report Pesticides H119

Sample: H119A, Parameter: Chlorothalonil sulfonic acid (Chlorothalonil-ESA)

Graphical presentation of results

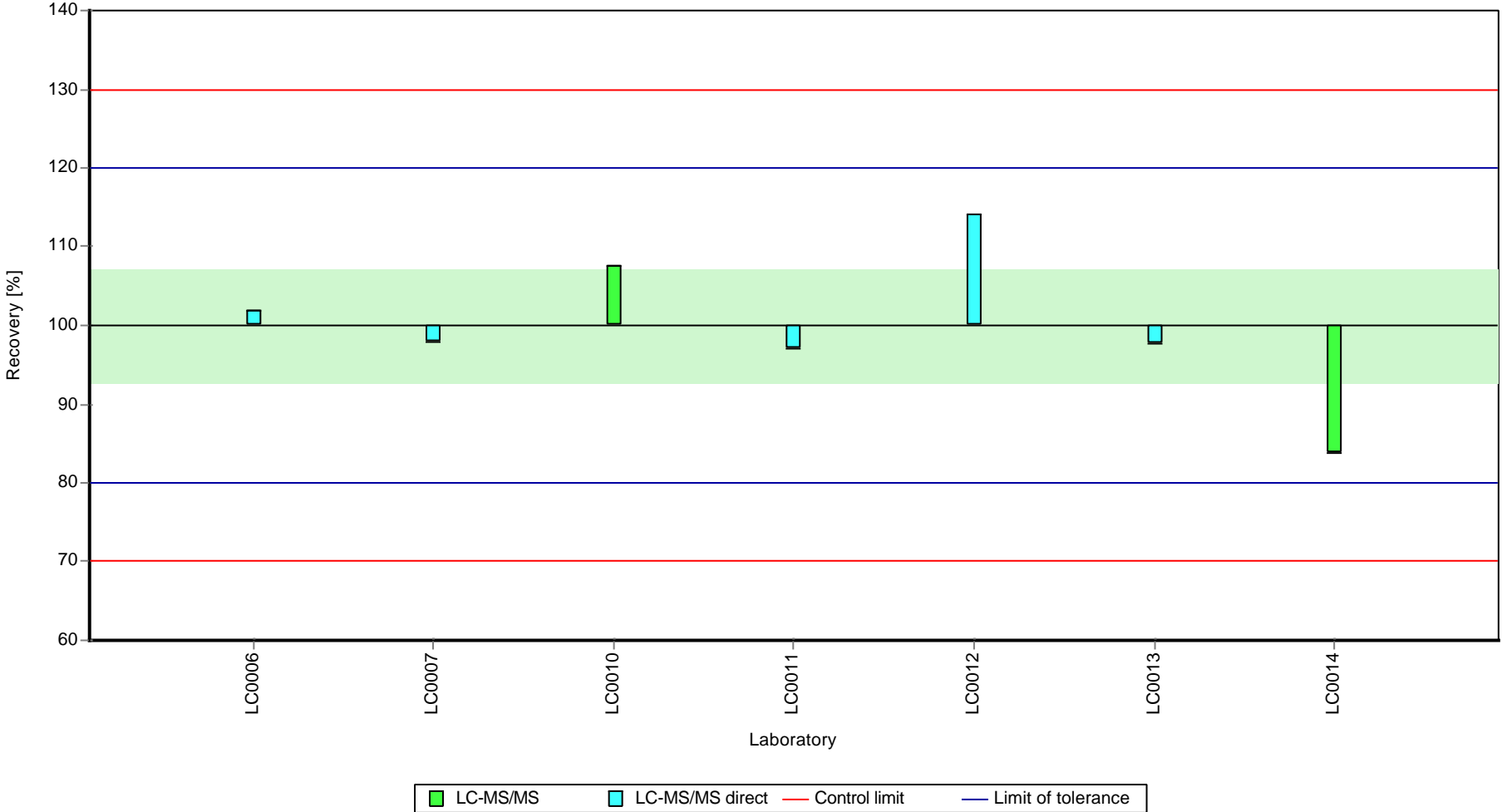
Results



Parameter oriented report Pesticides H119

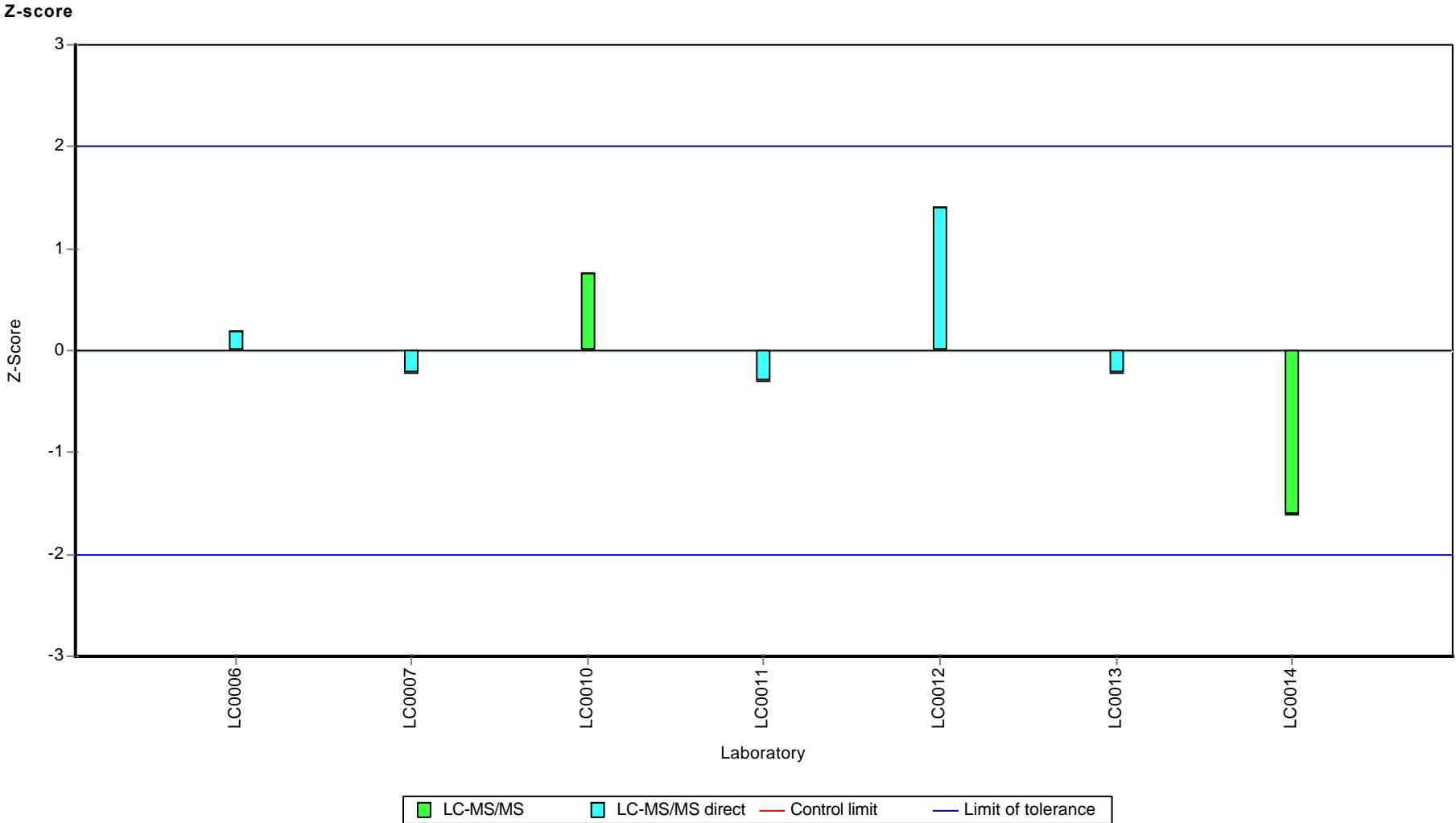
Sample: H119A, Parameter: Chlorothalonil sulfonic acid (Chlorothalonil-ESA)

Recovery rate



Parameter oriented report Pesticides H119

Sample: H119A, Parameter: Chlorothalonil sulfonic acid (Chlorothalonil-ESA)



Parameter oriented report Pesticides H119

Sample: H119B, Parameter: Chlorothalonil sulfonic acid (Chlorothalonil-ESA)

Parameter oriented report

H119 B

**Chlorothalonil sulfonic acid (Chlorothalonil-ESA)

| | | |
|------------------------------|----------------|--|
| Unit | µg/l | **Not accredited according to EN ISO/IEC 17043 |
| Assigned value ± U (k=2) | 0.224 ± 0.018 | |
| Criterion | 0.0246 (11 %) | |
| Minimum - Maximum | 0.181 - 0.246 | |
| Control test value ± U (k=2) | 0.256 ± 0.0384 | |

| Labcode | Result | ± U | Recovery [%] | z-score | Comments |
|---------|--------|--------|--------------|---------|----------|
| LC0001 | - | - | - | - | |
| LC0002 | - | - | - | - | |
| LC0003 | - | - | - | - | |
| LC0004 | - | - | - | - | |
| LC0005 | - | - | - | - | |
| LC0006 | 0.246 | 0.054 | 110 | 0.9 | |
| LC0007 | 0.2226 | 0.0556 | 99.5 | -0.05 | |
| LC0008 | - | - | - | - | |
| LC0009 | - | - | - | - | |
| LC0010 | 0.245 | 0.0441 | 109 | 0.86 | |
| LC0011 | 0.218 | 0.039 | 97.4 | -0.23 | |
| LC0012 | 0.21 | 0.06 | 93.9 | -0.56 | |
| LC0013 | 0.2437 | 0.0986 | 109 | 0.81 | |
| LC0014 | 0.181 | 0.0543 | 80.9 | -1.74 | |
| LC0015 | - | - | - | - | |

Characteristics of parameter

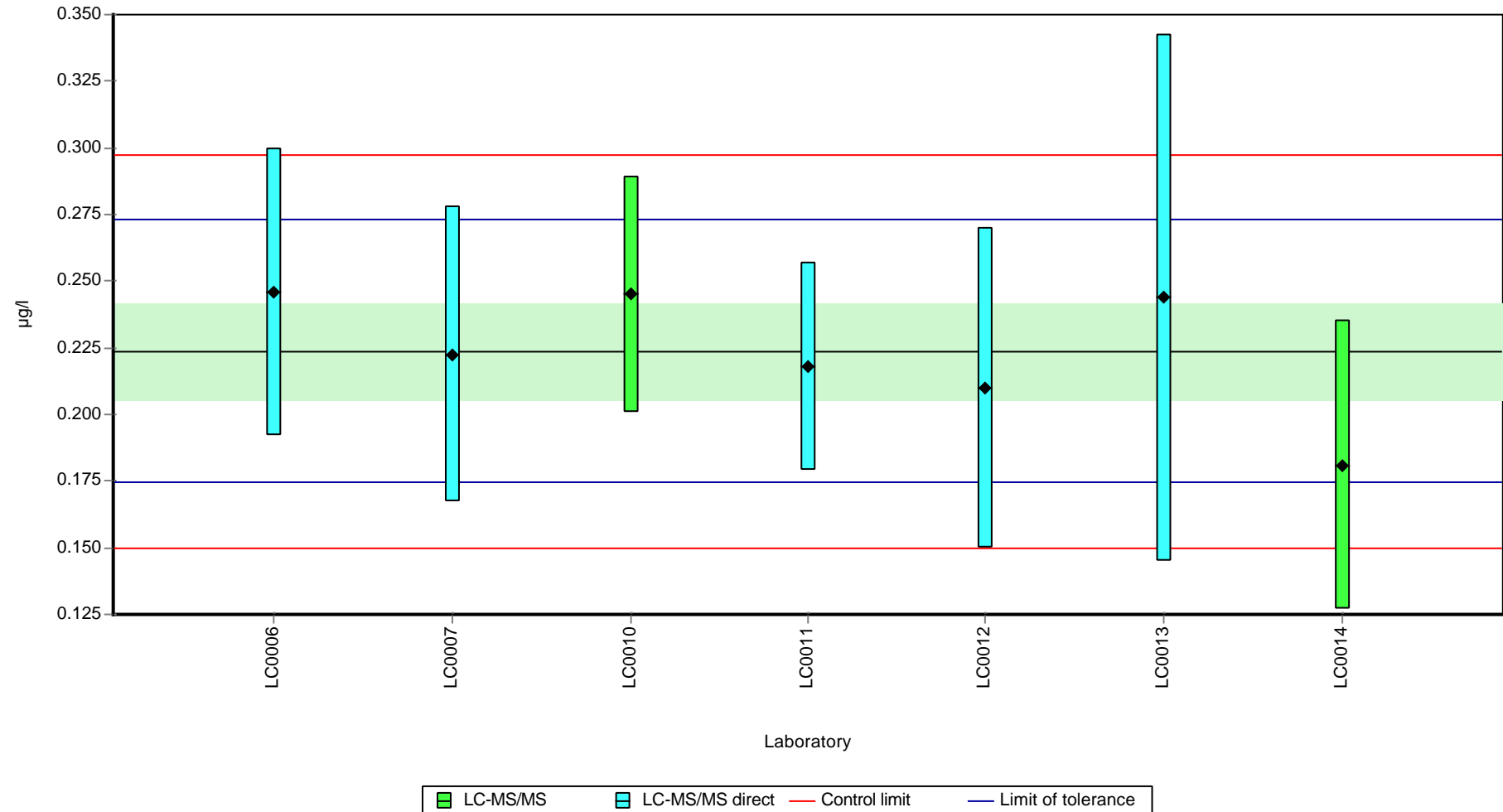
| | all results | without outliers | Unit |
|-------------------------|---------------|------------------|------|
| Mean ± CI (99%) | 0.224 ± 0.027 | 0.224 ± 0.027 | µg/l |
| Minimum | 0.181 | 0.181 | µg/l |
| Maximum | 0.246 | 0.246 | µg/l |
| Standard deviation | 0.0238 | 0.0238 | µg/l |
| rel. standard deviation | 10.6 | 10.6 | % |
| n | 7 | 7 | - |

Parameter oriented report Pesticides H119

Sample: H119B, Parameter: Chlorothalonil sulfonic acid (Chlorothalonil-ESA)

Graphical presentation of results

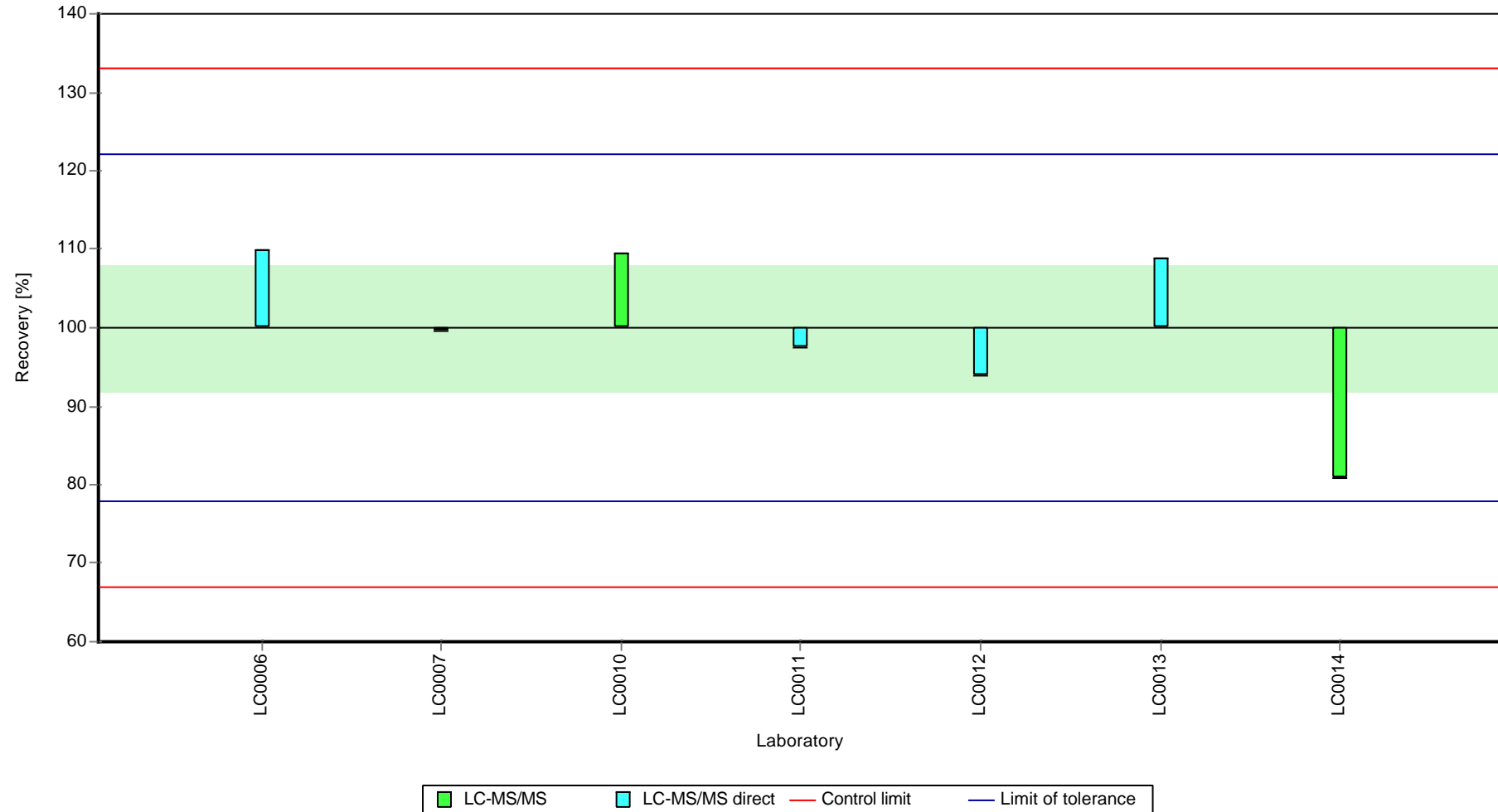
Results



Parameter oriented report Pesticides H119

Sample: H119B, Parameter: Chlorothalonil sulfonic acid (Chlorothalonil-ESA)

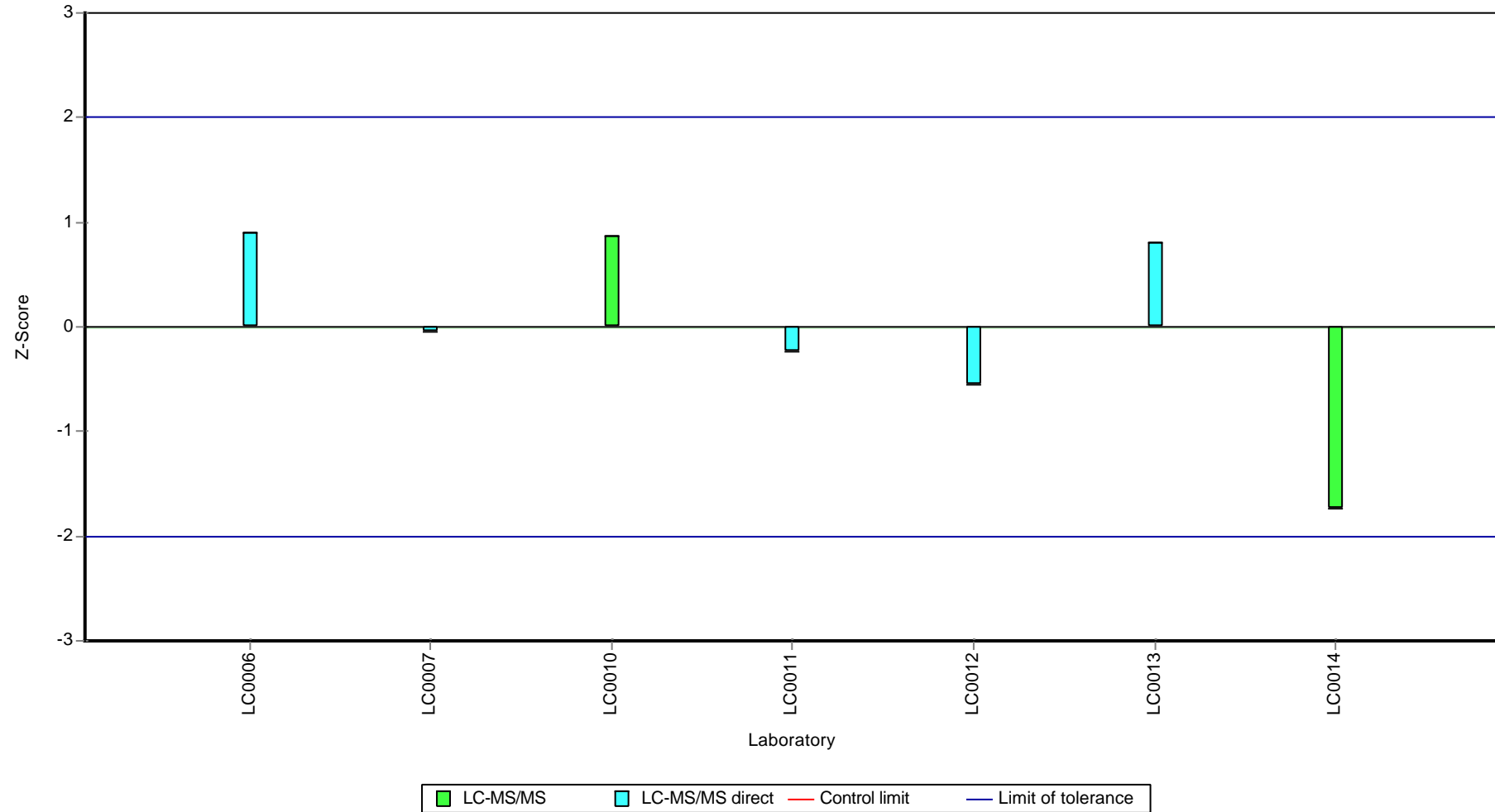
Recovery rate



Parameter oriented report Pesticides H119

Sample: H119B, Parameter: Chlorothalonil sulfonic acid (Chlorothalonil-ESA)

Z-score



Parameter oriented report Pesticides H119

Sample: H119A, Parameter: Dicamba

Parameter oriented report

H119 A

Dicamba*

| | |
|------------------------------|---------------|
| Unit | µg/l |
| Assigned value ± U (k=2) | - |
| Criterion | - |
| Minimum - Maximum | 0.413 - 0.743 |
| Control test value ± U (k=2) | 0.452 ± 0.136 |

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

This can be used for comparison as part of your internal QA measures:
MV (n=4; accr.) +/- U(k=2): 0.472 +/- 0.0513 µg/l

| Labcode | Result | ± U | Recovery [%] | z-score | Comments |
|---------|--------|---------|--------------|---------|----------|
| LC0001 | 0.493 | 0.15 | - | - | |
| LC0002 | - | - | - | - | |
| LC0003 | 0.531 | 0.08 | - | - | |
| LC0004 | - | - | - | - | |
| LC0005 | 0.743 | 0.163 | - | - | |
| LC0006 | - | - | - | - | |
| LC0007 | - | - | - | - | |
| LC0008 | - | - | - | - | |
| LC0009 | 0.45 | 0.011 | - | - | |
| LC0010 | 0.413 | 0.13873 | - | - | |
| LC0011 | - | - | - | - | |
| LC0012 | - | - | - | - | |
| LC0013 | - | - | - | - | |
| LC0014 | - | - | - | - | |
| LC0015 | - | - | - | - | |

Characteristics of parameter

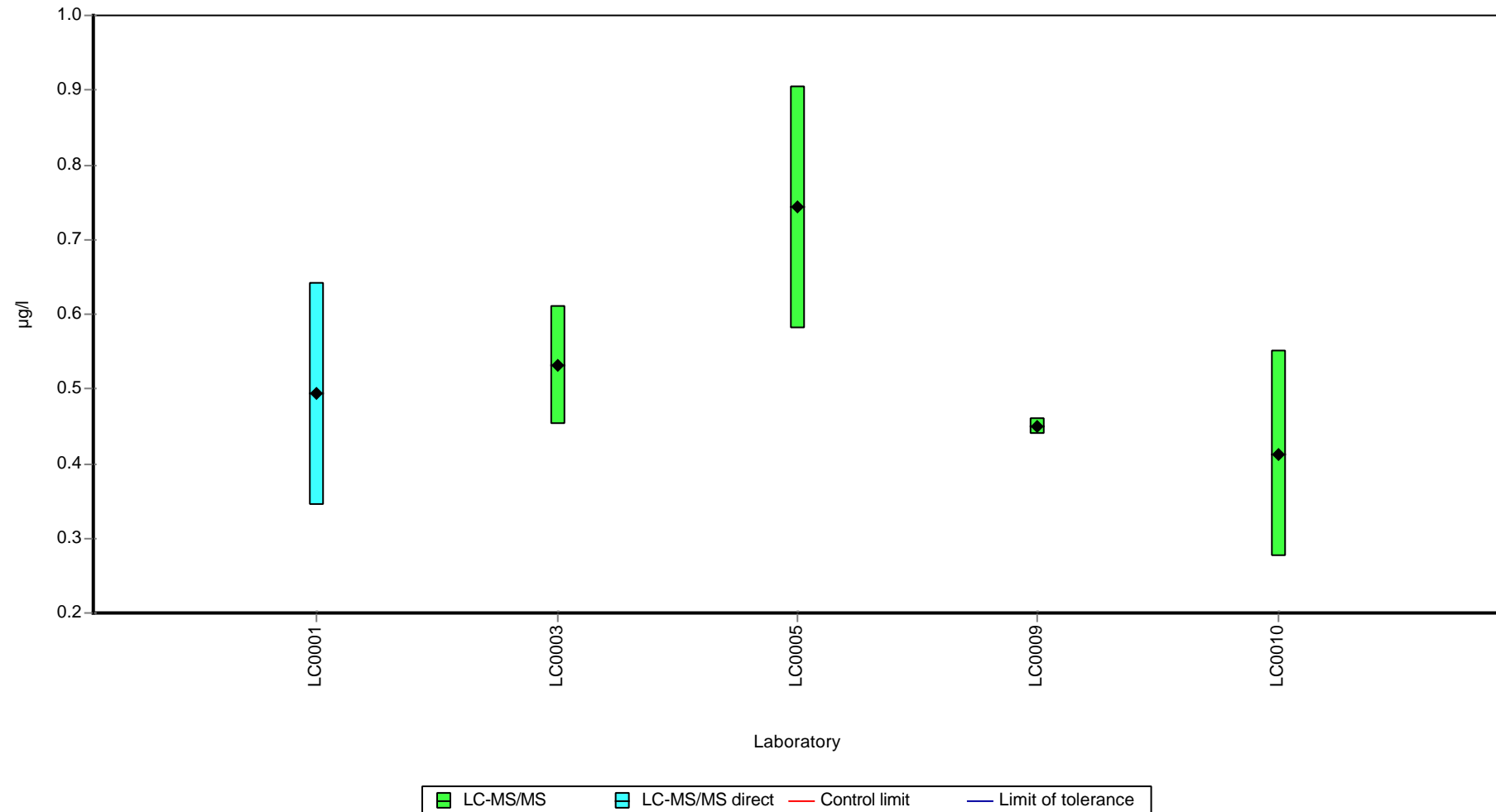
| | all results | w ithout outliers | Unit |
|-------------------------|---------------|-------------------|------|
| Mean ± CI (99%) | 0.526 ± 0.173 | - | µg/l |
| Minimum | 0.413 | 0.413 | µg/l |
| Maximum | 0.743 | 0.743 | µg/l |
| Standard deviation | 0.129 | - | µg/l |
| rel. standard deviation | 24.6 | - | % |
| n | 5 | 5 | - |

Parameter oriented report Pesticides H119

Sample: H119A, Parameter: Dicamba

Graphical presentation of results

Results



Parameter oriented report Pesticides H119

Sample: H119B, Parameter: Dicamba

Parameter oriented report

H119 B

Dicamba*

| | |
|------------------------------|---------------|
| Unit | µg/l |
| Assigned value ± U (k=2) | - |
| Criterion | - |
| Minimum - Maximum | 0.484 - 0.783 |
| Control test value ± U (k=2) | 0.624 ± 0.187 |

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

This can be used for comparison as part of your internal QA measures:
MV (n=3; accr.) +/- U(k=2): 0.527 +/- 0.0433 µg/l

| Labcode | Result | ± U | Recovery [%] | z-score | Comments |
|---------|--------|---------|--------------|---------|----------|
| LC0001 | 0.55 | 0.17 | - | - | |
| LC0002 | - | - | - | - | |
| LC0003 | 0.548 | 0.085 | - | - | |
| LC0004 | - | - | - | - | |
| LC0005 | 0.783 | 0.172 | - | - | |
| LC0006 | - | - | - | - | |
| LC0007 | - | - | - | - | |
| LC0008 | - | - | - | - | |
| LC0009 | - | - | - | - | |
| LC0010 | 0.484 | 0.16258 | - | - | |
| LC0011 | - | - | - | - | |
| LC0012 | - | - | - | - | |
| LC0013 | - | - | - | - | |
| LC0014 | - | - | - | - | |
| LC0015 | - | - | - | - | |

Characteristics of parameter

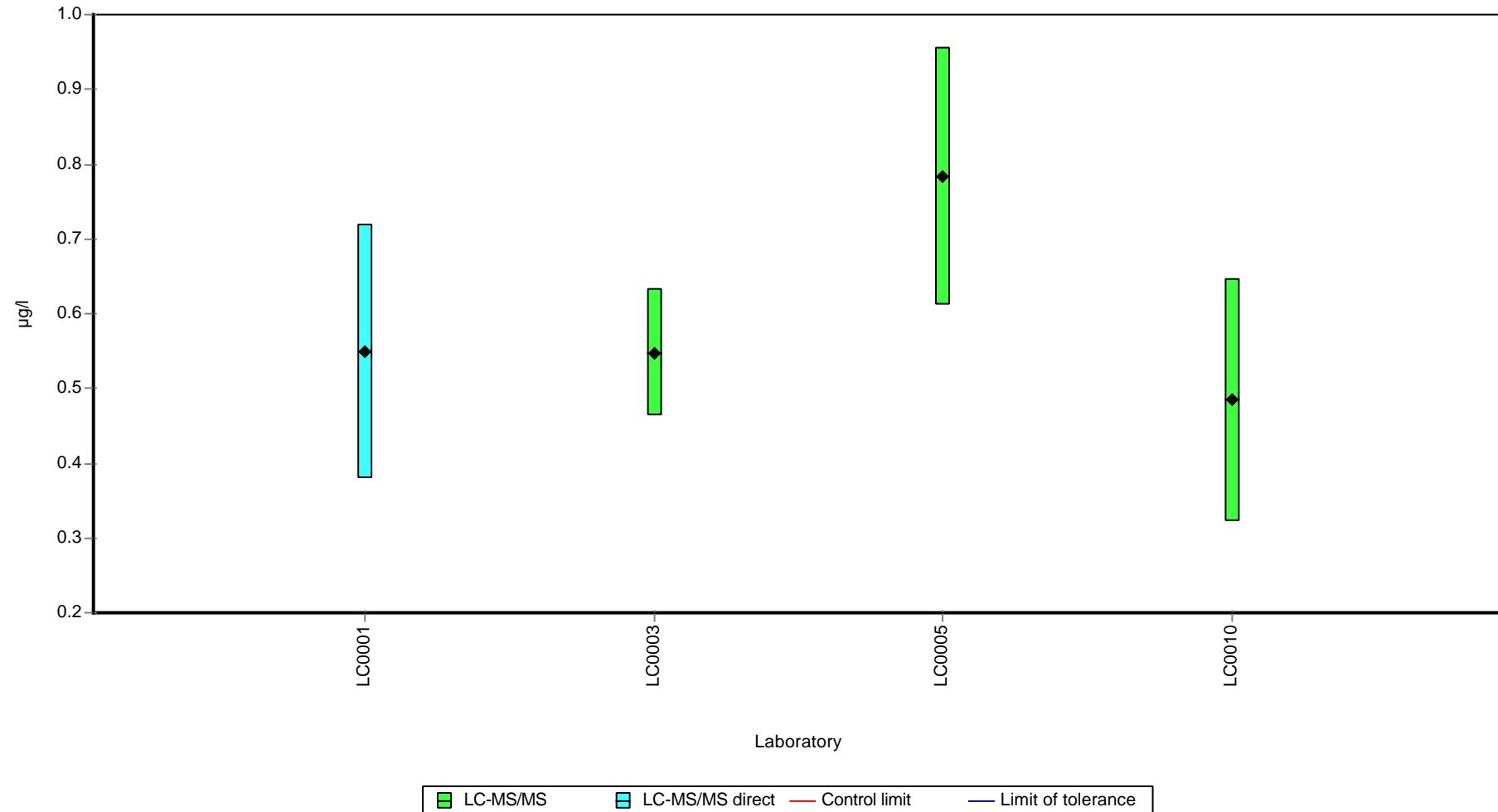
| | all results | without outliers | Unit |
|-------------------------|---------------|------------------|------|
| Mean ± CI (99%) | 0.591 ± 0.197 | - | µg/l |
| Minimum | 0.484 | 0.484 | µg/l |
| Maximum | 0.783 | 0.783 | µg/l |
| Standard deviation | 0.131 | - | µg/l |
| rel. standard deviation | 22.2 | - | % |
| n | 4 | 4 | - |

Parameter oriented report Pesticides H119

Sample: H119B, Parameter: Dicamba

Graphical presentation of results

Results



Parameter oriented report Pesticides H119

Sample: H119A, Parameter: Dichlorprop

Parameter oriented report

H119 A

Dichlorprop

| | |
|------------------------------|----------------|
| Unit | µg/l |
| Assigned value ± U (k=2) | 0.361 ± 0.0153 |
| Criterion | 0.0433 (12 %) |
| Minimum - Maximum | 0.325 - 0.386 |
| Control test value ± U (k=2) | 0.418 ± 0.0627 |

| Labcode | Result | ± U | Recovery [%] | z-score | Comments |
|---------|--------|---------|--------------|---------|----------|
| LC0001 | 0.386 | 0.11 | 107 | 0.59 | |
| LC0002 | 0.365 | 0.012 | 101 | 0.1 | |
| LC0003 | 0.349 | 0.055 | 96.8 | -0.27 | |
| LC0004 | - | - | - | - | |
| LC0005 | - | - | - | - | |
| LC0006 | - | - | - | - | |
| LC0007 | - | - | - | - | |
| LC0008 | 0.377 | 0.13 | 105 | 0.38 | |
| LC0009 | 0.385 | 0.011 | 107 | 0.56 | |
| LC0010 | 0.377 | 0.06371 | 105 | 0.38 | |
| LC0011 | 0.331 | 0.06 | 91.8 | -0.68 | |
| LC0012 | 0.35 | 0.12 | 97.1 | -0.24 | |
| LC0013 | 0.325 | 0.0228 | 90.1 | -0.82 | |
| LC0014 | - | - | - | - | |
| LC0015 | - | - | - | - | |

Characteristics of parameter

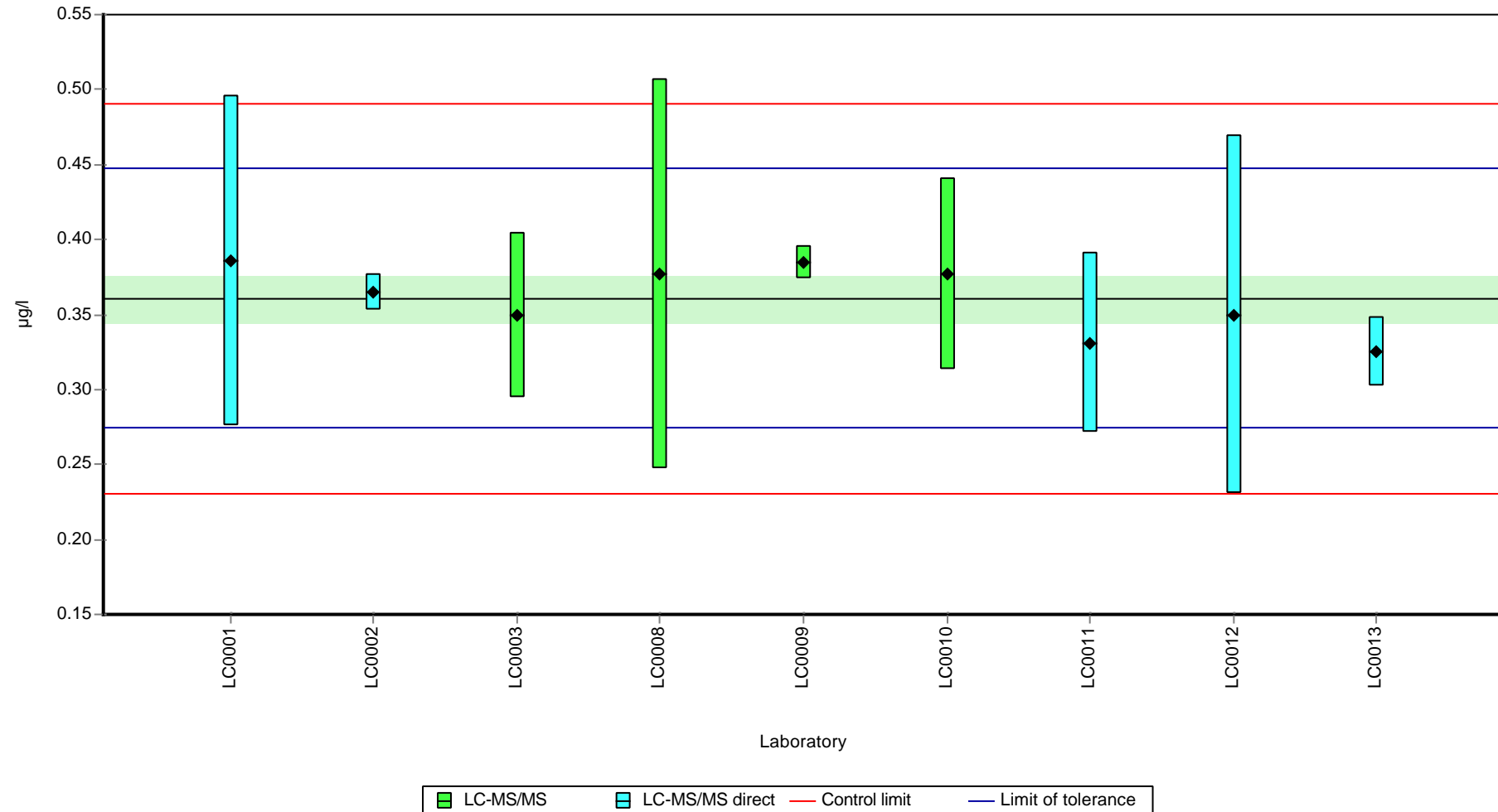
| | all results | without outliers | Unit |
|-------------------------|----------------|------------------|------|
| Mean ± CI (99%) | 0.361 ± 0.0229 | 0.361 ± 0.0229 | µg/l |
| Minimum | 0.325 | 0.325 | µg/l |
| Maximum | 0.386 | 0.386 | µg/l |
| Standard deviation | 0.0229 | 0.0229 | µg/l |
| rel. standard deviation | 6.35 | 6.35 | % |
| n | 9 | 9 | - |

Parameter oriented report Pesticides H119

Sample: H119A, Parameter: Dichlorprop

Graphical presentation of results

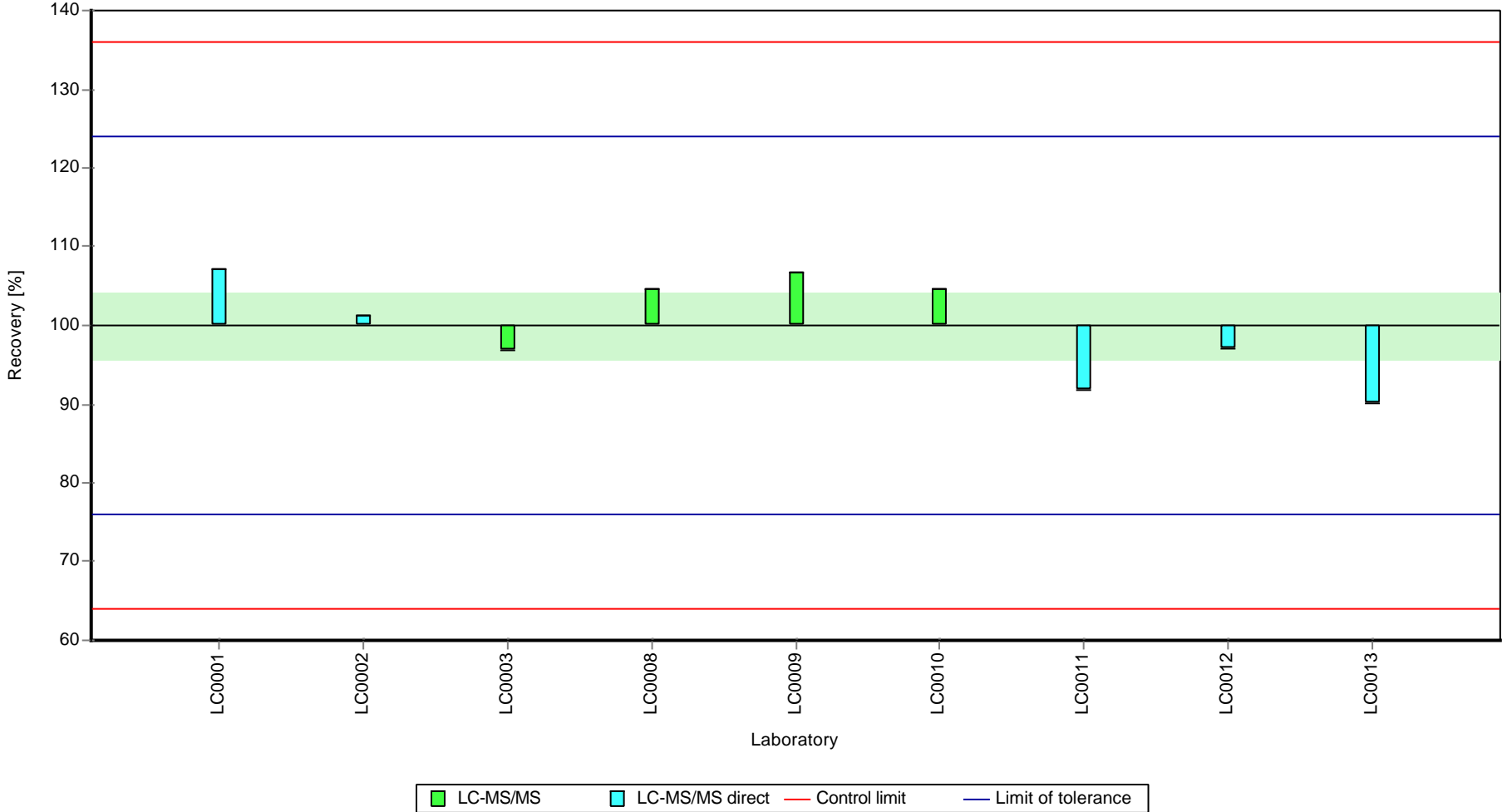
Results



Parameter oriented report Pesticides H119

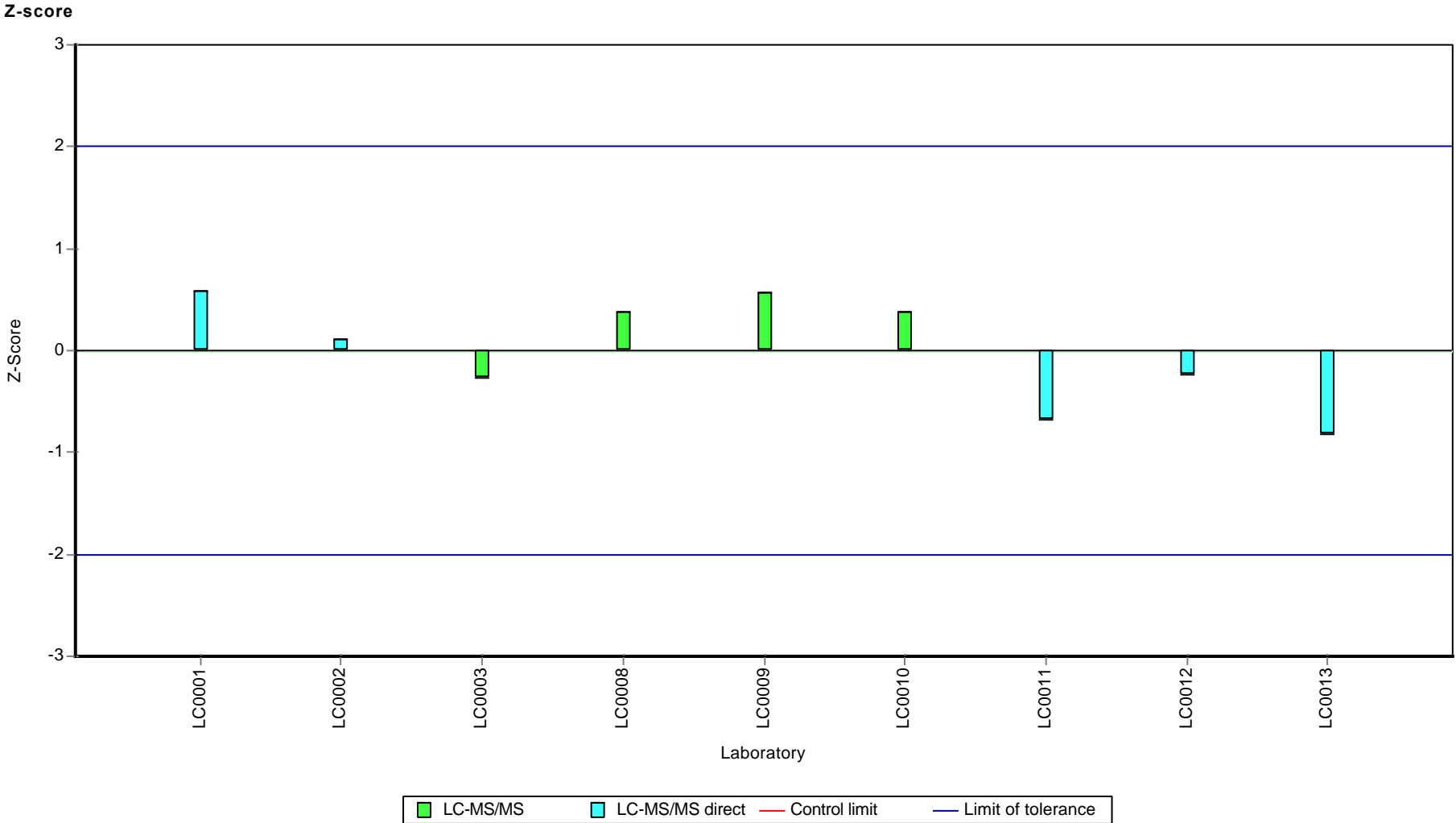
Sample: H119A, Parameter: Dichlorprop

Recovery rate



Parameter oriented report Pesticides H119

Sample: H119A, Parameter: Dichlorprop



Parameter oriented report Pesticides H119

Sample: H119B, Parameter: Dichlorprop

Parameter oriented report

H119 B

Dichlorprop

| | |
|------------------------------|----------------|
| Unit | µg/l |
| Assigned value ± U (k=2) | 0.615 ± 0.0303 |
| Criterion | 0.0737 (12 %) |
| Minimum - Maximum | 0.53 - 0.655 |
| Control test value ± U (k=2) | 0.709 ± 0.106 |

| Labcode | Result | ± U | Recovery [%] | z-score | Comments |
|---------|--------|---------|--------------|---------|----------|
| LC0001 | 0.637 | 0.18 | 104 | 0.31 | |
| LC0002 | 0.633 | 0.027 | 103 | 0.25 | |
| LC0003 | 0.655 | 0.1 | 107 | 0.55 | |
| LC0004 | - | - | - | - | |
| LC0005 | - | - | - | - | |
| LC0006 | - | - | - | - | |
| LC0007 | - | - | - | - | |
| LC0008 | 0.596 | 0.05 | 97 | -0.25 | |
| LC0009 | 0.65 | 0.038 | 106 | 0.48 | |
| LC0010 | 0.635 | 0.10731 | 103 | 0.28 | |
| LC0011 | 0.53 | 0.095 | 86.2 | -1.15 | |
| LC0012 | 0.58 | 0.17 | 94.4 | -0.47 | |
| LC0013 | 0.491 | 0.0418 | 79.9 | -1.67 | H |
| LC0014 | - | - | - | - | |
| LC0015 | - | - | - | - | |

Characteristics of parameter

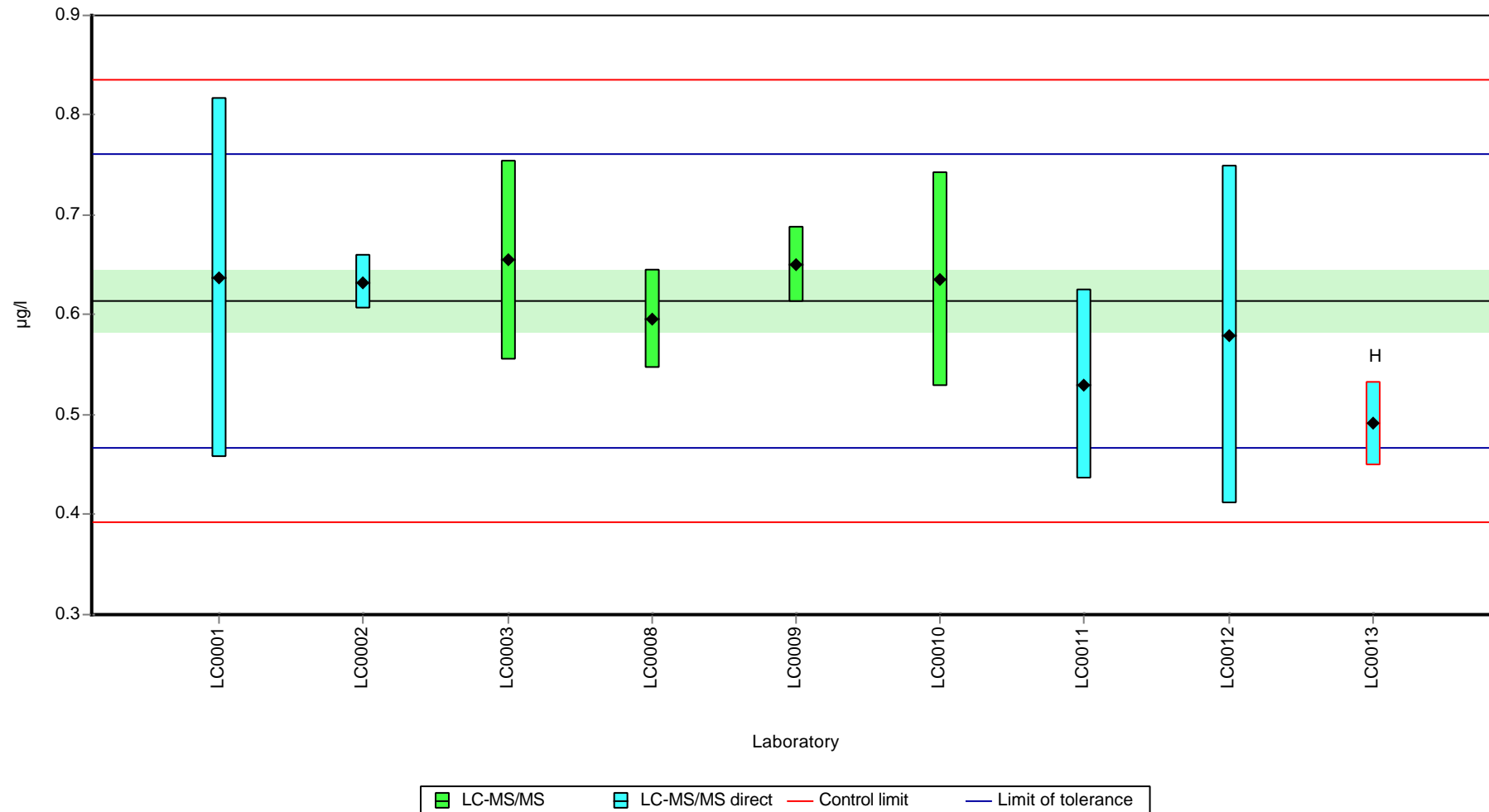
| | all results | w ithout outliers | Unit |
|-------------------------|----------------|-------------------|------|
| Mean ± CI (99%) | 0.601 ± 0.0574 | 0.615 ± 0.0454 | µg/l |
| Minimum | 0.491 | 0.53 | µg/l |
| Maximum | 0.655 | 0.655 | µg/l |
| Standard deviation | 0.0574 | 0.0428 | µg/l |
| rel. standard deviation | 9.56 | 6.97 | % |
| n | 9 | 8 | - |

Parameter oriented report Pesticides H119

Sample: H119B, Parameter: Dichlorprop

Graphical presentation of results

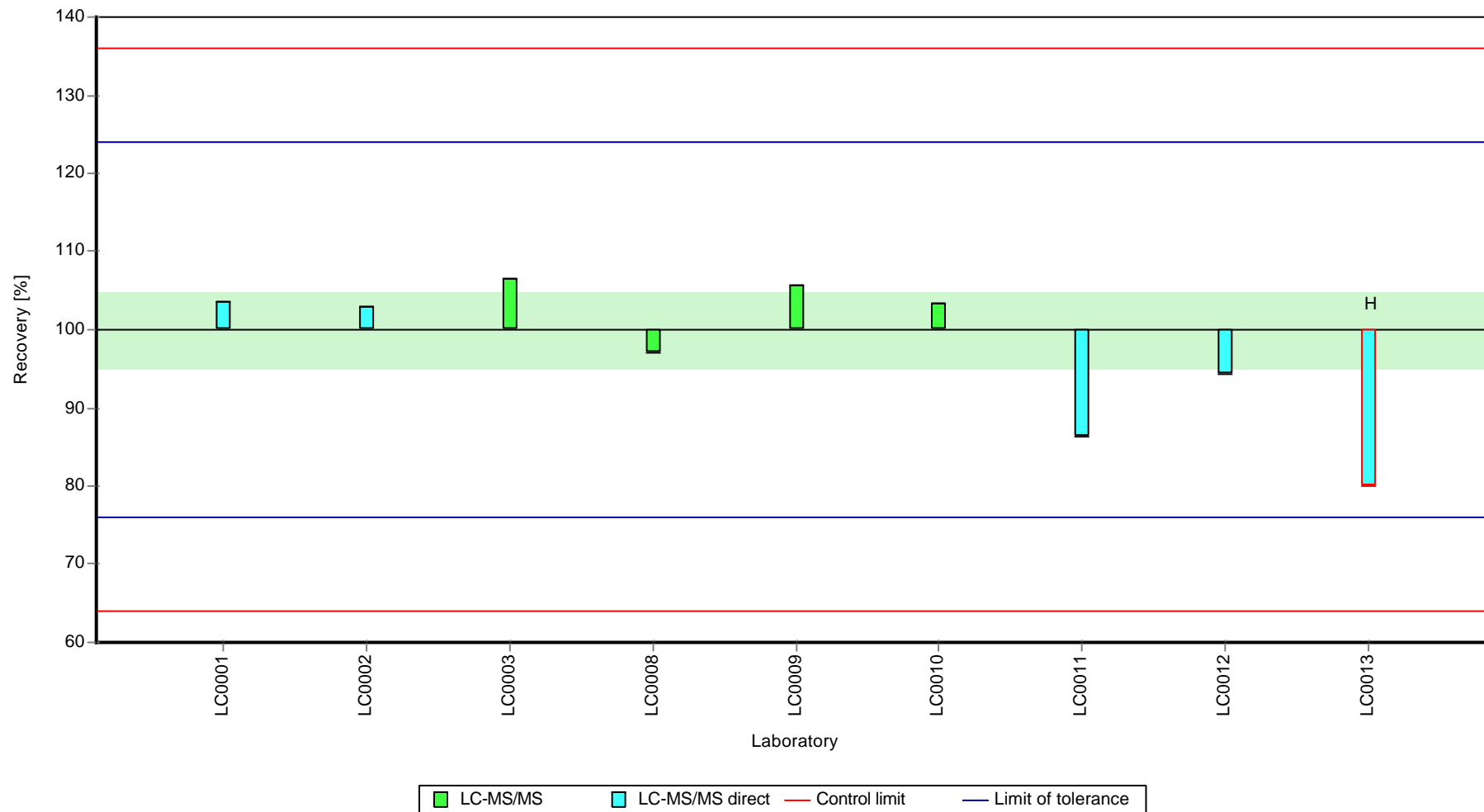
Results



Parameter oriented report Pesticides H119

Sample: H119B, Parameter: Dichlorprop

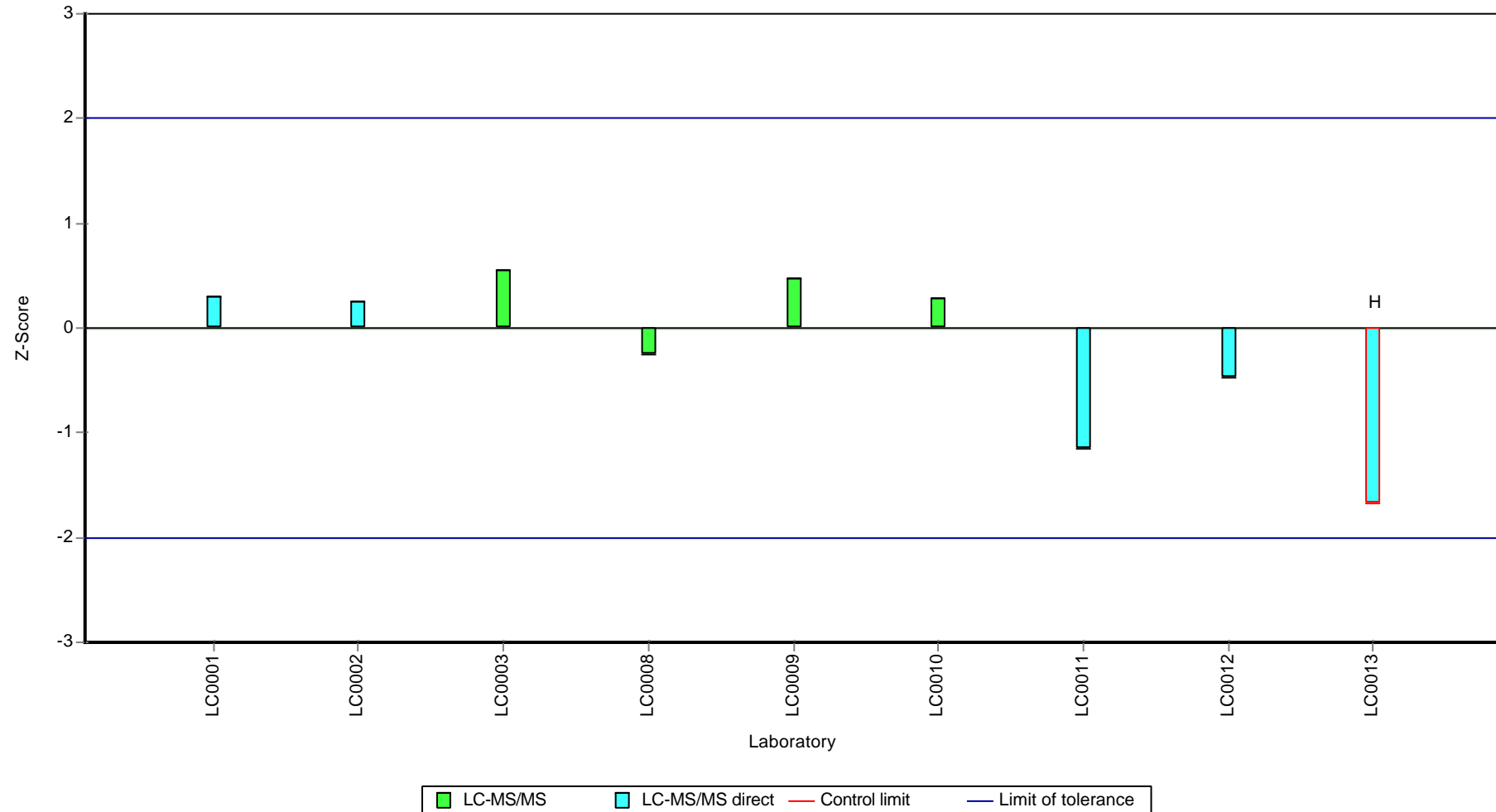
Recovery rate



Parameter oriented report Pesticides H119

Sample: H119B, Parameter: Dichlorprop

Z-score



Parameter oriented report Pesticides H119

Sample: H119A, Parameter: Dimethachlor Metabolite -
CGA 369873

Parameter oriented report

H119 A

**Dimethachlor Metabolite - CGA 369873*

Unit $\mu\text{g/l}$
Assigned value $\pm U$ (k=2) -
Criterion -
Minimum - Maximum 0.294 - 0.438
Control test value $\pm U$ (k=2) 0.344 \pm 0.0689

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

This can be used for comparison as part of your internal QA measures: MV (n=5; accr.) $\pm U$ (k=2): 0.376 \pm 0.0473 $\mu\text{g/l}$

**Not accredited according to EN ISO/IEC 17043

| Labcode | Result | $\pm U$ | Recovery [%] | z-score | Comments |
|---------|--------|---------|--------------|---------|----------|
| LC0001 | - | - | - | - | |
| LC0002 | - | - | - | - | |
| LC0003 | 0.369 | 0.06 | - | - | |
| LC0004 | - | - | - | - | |
| LC0005 | - | - | - | - | |
| LC0006 | - | - | - | - | |
| LC0007 | - | - | - | - | |
| LC0008 | - | - | - | - | |
| LC0009 | 0.294 | 0.004 | - | - | |
| LC0010 | 0.378 | 0.13793 | - | - | |
| LC0011 | - | - | - | - | |
| LC0012 | 0.4 | 0.12 | - | - | |
| LC0013 | - | - | - | - | |
| LC0014 | 0.438 | 0.1314 | - | - | |
| LC0015 | - | - | - | - | |

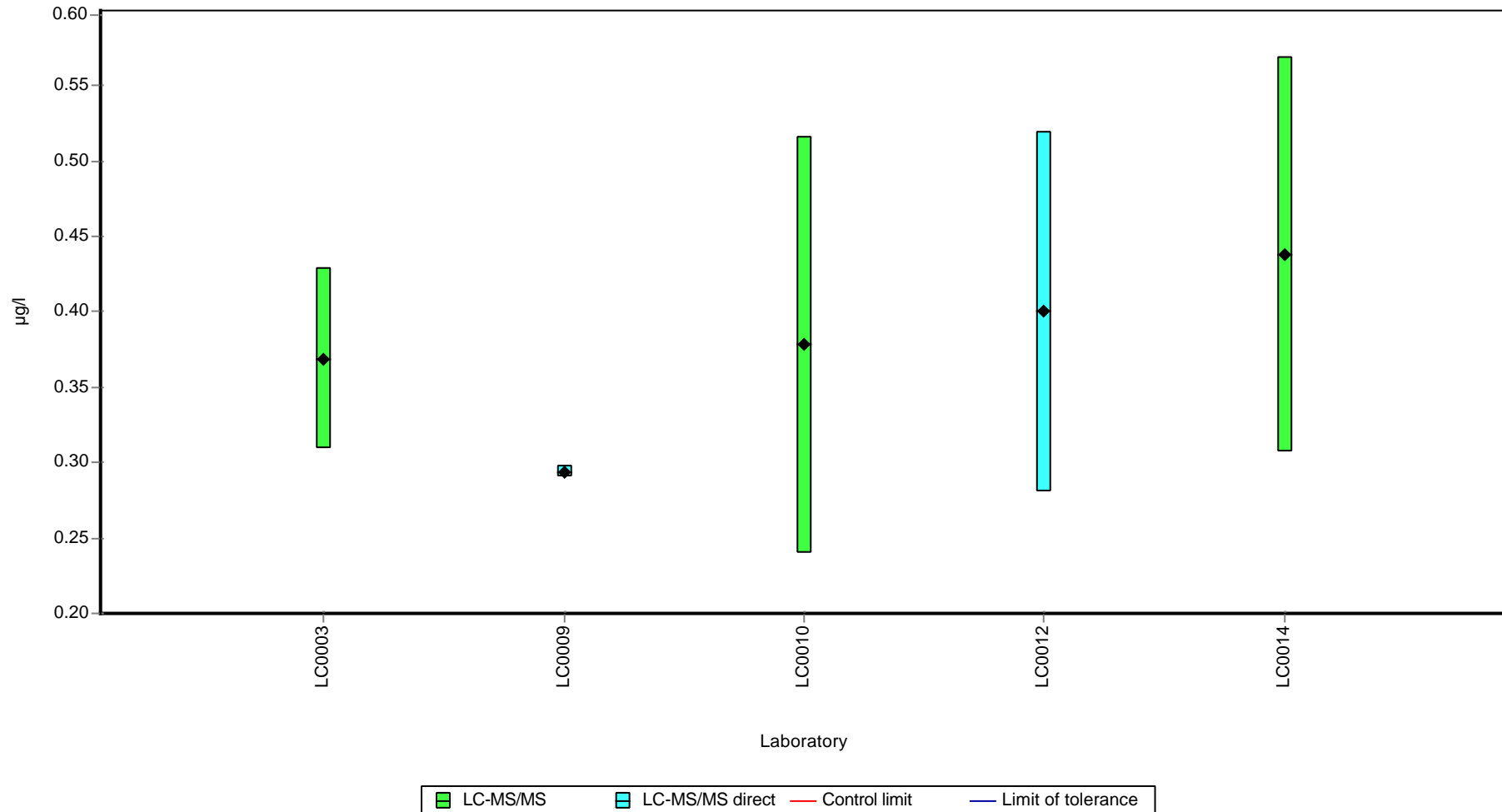
Characteristics of parameter

| | all results | w ithout outliers | Unit |
|-------------------------|-------------------|-------------------|-----------------|
| Mean \pm CI (99%) | 0.376 \pm 0.071 | - | $\mu\text{g/l}$ |
| Minimum | 0.294 | 0.294 | $\mu\text{g/l}$ |
| Maximum | 0.438 | 0.438 | $\mu\text{g/l}$ |
| Standard deviation | 0.0529 | - | $\mu\text{g/l}$ |
| rel. standard deviation | 14.1 | - | % |
| n | 5 | 5 | - |

Parameter oriented report Pesticides H119

Sample: H119A, Parameter: Dimethachlor Metabolite - CGA 369873

Graphical presentation of results
 Results



Parameter oriented report Pesticides H119

Sample: H119B, Parameter: Dimethachlor Metabolite -
CGA 369873

Parameter oriented report

H119 B

**Dimethachlor Metabolite - CGA 369873*

Unit $\mu\text{g/l}$
Assigned value $\pm U$ (k=2) -
Criterion -
Minimum - Maximum 0.31 - 0.441
Control test value $\pm U$ (k=2) 0.388 ± 0.0776

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

This can be used for comparison as part of your internal QA measures: MV (n=5; accr.) $\pm U$ (k=2): $0.382 \pm 0.0554 \mu\text{g/l}$

**Not accredited according to EN ISO/IEC 17043

| Labcode | Result | $\pm U$ | Recovery [%] | z-score | Comments |
|---------|--------|---------|--------------|---------|----------|
| LC0001 | - | - | - | - | |
| LC0002 | - | - | - | - | |
| LC0003 | 0.406 | 0.06 | - | - | |
| LC0004 | - | - | - | - | |
| LC0005 | - | - | - | - | |
| LC0006 | - | - | - | - | |
| LC0007 | - | - | - | - | |
| LC0008 | - | - | - | - | |
| LC0009 | 0.322 | 0.004 | - | - | |
| LC0010 | 0.432 | 0.15764 | - | - | |
| LC0011 | - | - | - | - | |
| LC0012 | 0.31 | 0.1 | - | - | |
| LC0013 | - | - | - | - | |
| LC0014 | 0.441 | 0.1323 | - | - | |
| LC0015 | - | - | - | - | |

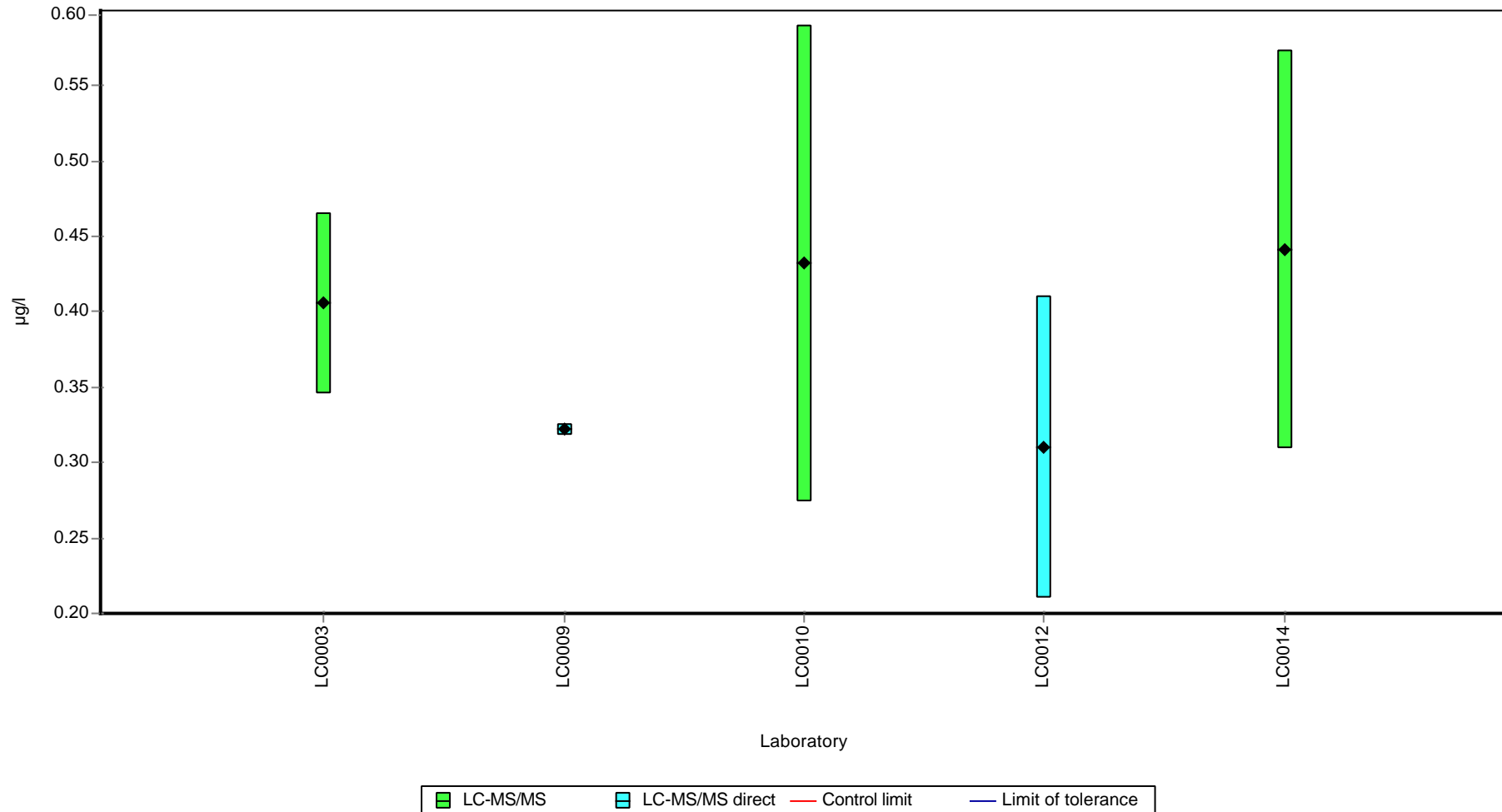
Characteristics of parameter

| | all results | w ithout outliers | Unit |
|-------------------------|--------------------|-------------------|-----------------|
| Mean \pm CI (99%) | 0.382 ± 0.0831 | - | $\mu\text{g/l}$ |
| Minimum | 0.31 | 0.31 | $\mu\text{g/l}$ |
| Maximum | 0.441 | 0.441 | $\mu\text{g/l}$ |
| Standard deviation | 0.0619 | - | $\mu\text{g/l}$ |
| rel. standard deviation | 16.2 | - | % |
| n | 5 | 5 | - |

Parameter oriented report Pesticides H119

Sample: H119B, Parameter: Dimethachlor Metabolite - CGA 369873

Graphical presentation of results
Results



Parameter oriented report Pesticides H119

Sample: H119A, Parameter: Glufosinate

Parameter oriented report

H119 A

Glufosinate*

| | |
|------------------------------|---------------|
| Unit | µg/l |
| Assigned value ± U (k=2) | - |
| Criterion | - |
| Minimum - Maximum | 0.542 - 0.627 |
| Control test value ± U (k=2) | 0.546 ± 0.109 |

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

This can be used for comparison as part of your internal QA measures:
MV (n=4; accr.) +/- U(k=2): 0.575 +/- 0.0368 µg/l

| Labcode | Result | ± U | Recovery [%] | z-score | Comments |
|---------|--------|-------|--------------|---------|----------|
| LC0001 | - | - | - | - | |
| LC0002 | 0.542 | 0.007 | - | - | |
| LC0003 | - | - | - | - | |
| LC0004 | - | - | - | - | |
| LC0005 | 0.57 | 0.09 | - | - | |
| LC0006 | - | - | - | - | |
| LC0007 | - | - | - | - | |
| LC0008 | - | - | - | - | |
| LC0009 | 0.559 | 0.012 | - | - | |
| LC0010 | 0.32 | 0.08 | - | - | H |
| LC0011 | 0.627 | 0.113 | - | - | |
| LC0012 | - | - | - | - | |
| LC0013 | - | - | - | - | |
| LC0014 | - | - | - | - | |
| LC0015 | - | - | - | - | |

Characteristics of parameter

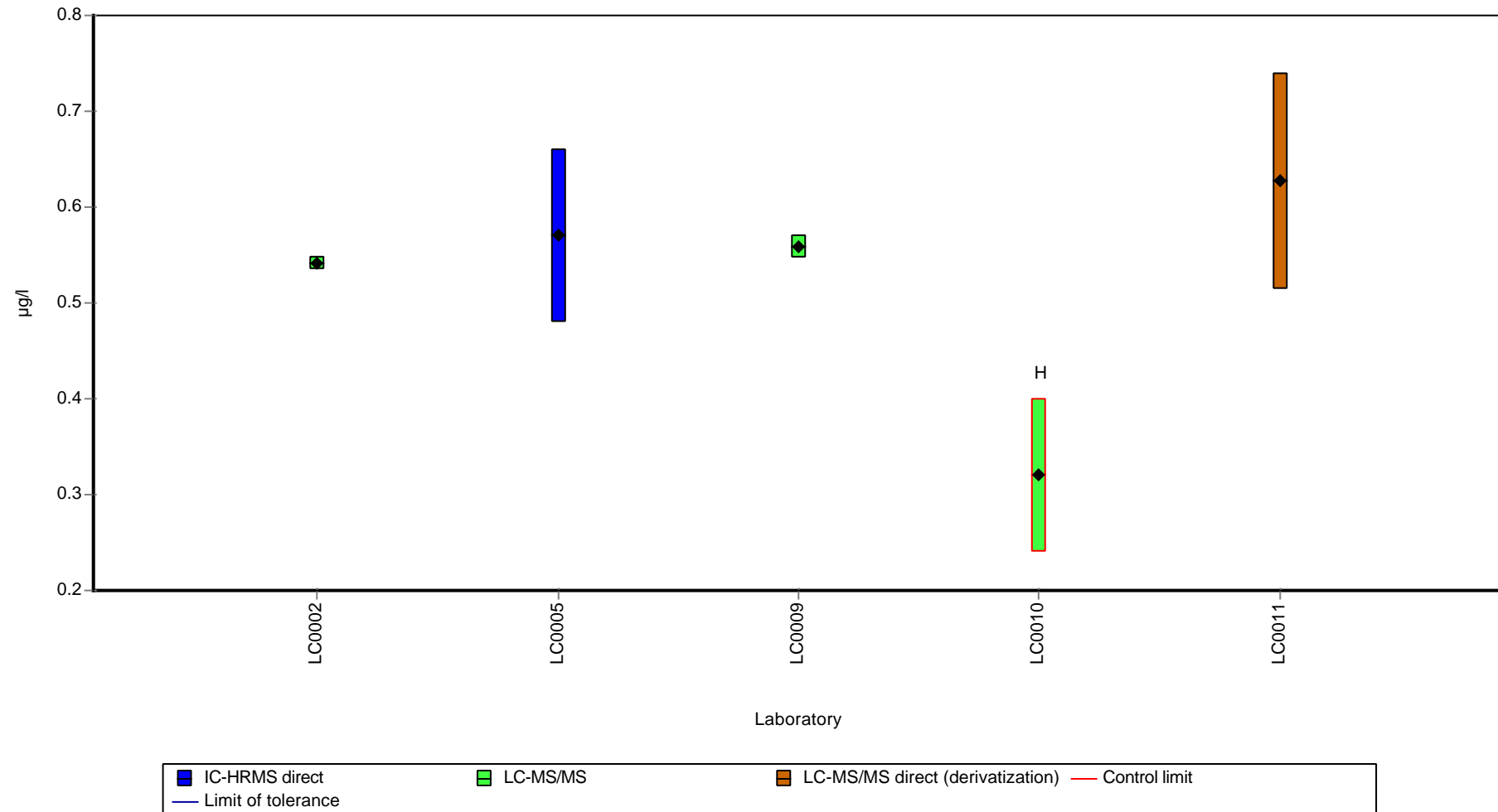
| | all results | without outliers | Unit |
|-------------------------|---------------|------------------|------|
| Mean ± CI (99%) | 0.524 ± 0.159 | - | µg/l |
| Minimum | 0.32 | 0.542 | µg/l |
| Maximum | 0.627 | 0.627 | µg/l |
| Standard deviation | 0.118 | - | µg/l |
| rel. standard deviation | 22.6 | - | % |
| n | 5 | 4 | - |

Parameter oriented report Pesticides H119

Sample: H119A, Parameter: Glufosinate

Graphical presentation of results

Results



Parameter oriented report Pesticides H119

Sample: H119B, Parameter: Glufosinate

Parameter oriented report

H119 B

Glufosinate*

| | |
|------------------------------|----------------|
| Unit | µg/l |
| Assigned value ± U (k=2) | - |
| Criterion | - |
| Minimum - Maximum | 0.273 - 0.605 |
| Control test value ± U (k=2) | 0.310 ± 0.0621 |

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

This can be used for comparison as part of your internal QA measures: MV (n=5; accr.) +/- U(k=2): 0.424 +/- 0.112 µg/l

| Labcode | Result | ± U | Recovery [%] | z-score | Comments |
|---------|--------|-------|--------------|---------|----------|
| LC0001 | - | - | - | - | |
| LC0002 | 0.273 | 0.016 | - | - | |
| LC0003 | - | - | - | - | |
| LC0004 | - | - | - | - | |
| LC0005 | 0.43 | 0.07 | - | - | |
| LC0006 | - | - | - | - | |
| LC0007 | - | - | - | - | |
| LC0008 | - | - | - | - | |
| LC0009 | 0.464 | 0.006 | - | - | |
| LC0010 | 0.348 | 0.087 | - | - | |
| LC0011 | 0.605 | 0.109 | - | - | |
| LC0012 | - | - | - | - | |
| LC0013 | - | - | - | - | |
| LC0014 | - | - | - | - | |
| LC0015 | - | - | - | - | |

Characteristics of parameter

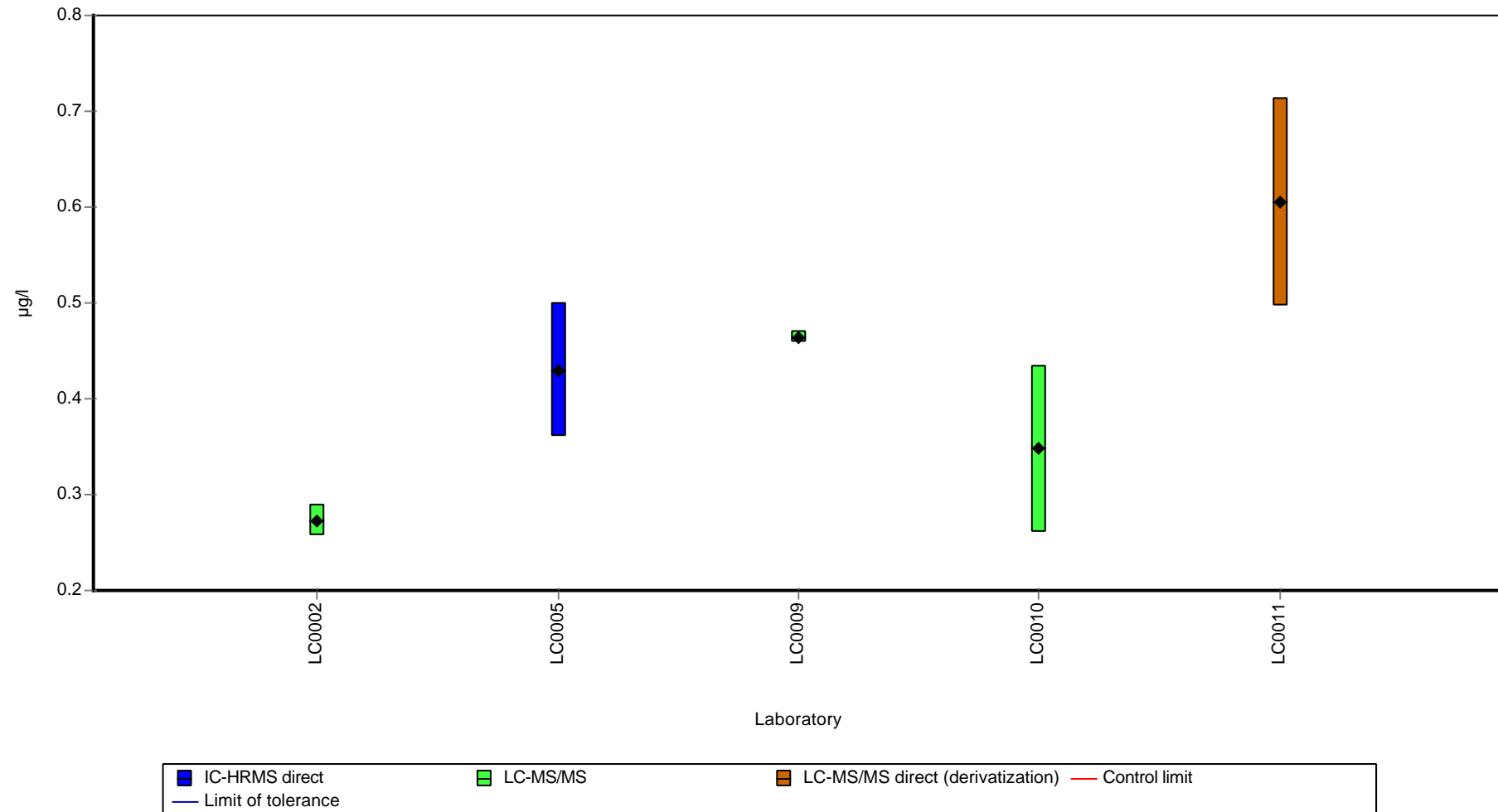
| | all results | without outliers | Unit |
|-------------------------|---------------|------------------|------|
| Mean ± CI (99%) | 0.424 ± 0.168 | - | µg/l |
| Minimum | 0.273 | 0.273 | µg/l |
| Maximum | 0.605 | 0.605 | µg/l |
| Standard deviation | 0.125 | - | µg/l |
| rel. standard deviation | 29.6 | - | % |
| n | 5 | 5 | - |

Parameter oriented report Pesticides H119

Sample: H119B, Parameter: Glufosinate

Graphical presentation of results

Results



Parameter oriented report Pesticides H119

Sample: H119A, Parameter: Glyphosate

Parameter oriented report

H119 A

Glyphosate

| | |
|------------------------------|----------------|
| Unit | µg/l |
| Assigned value ± U (k=2) | 0.219 ± 0.0216 |
| Criterion | 0.0438 (20 %) |
| Minimum - Maximum | 0.15 - 0.265 |
| Control test value ± U (k=2) | 0.235 ± 0.0353 |

| Labcode | Result | ± U | Recovery [%] | z-score | Comments |
|---------|--------|--------|--------------|---------|----------|
| LC0001 | - | - | - | - | |
| LC0002 | 0.224 | 0.005 | 102 | 0.12 | |
| LC0003 | - | - | - | - | |
| LC0004 | 0.222 | 0.018 | 101 | 0.07 | |
| LC0005 | 0.21 | 0.04 | 95.9 | -0.2 | |
| LC0006 | 0.202 | 0.044 | 92.3 | -0.39 | |
| LC0007 | - | - | - | - | |
| LC0008 | 0.213 | 0.15 | 97.3 | -0.13 | |
| LC0009 | 0.265 | 0.005 | 121 | 1.05 | |
| LC0010 | 0.15 | 0.0375 | 68.5 | -1.57 | |
| LC0011 | 0.247 | 0.044 | 113 | 0.64 | |
| LC0012 | - | - | - | - | |
| LC0013 | 0.237 | 0.035 | 108 | 0.41 | |
| LC0014 | - | - | - | - | |
| LC0015 | - | - | - | - | |

Characteristics of parameter

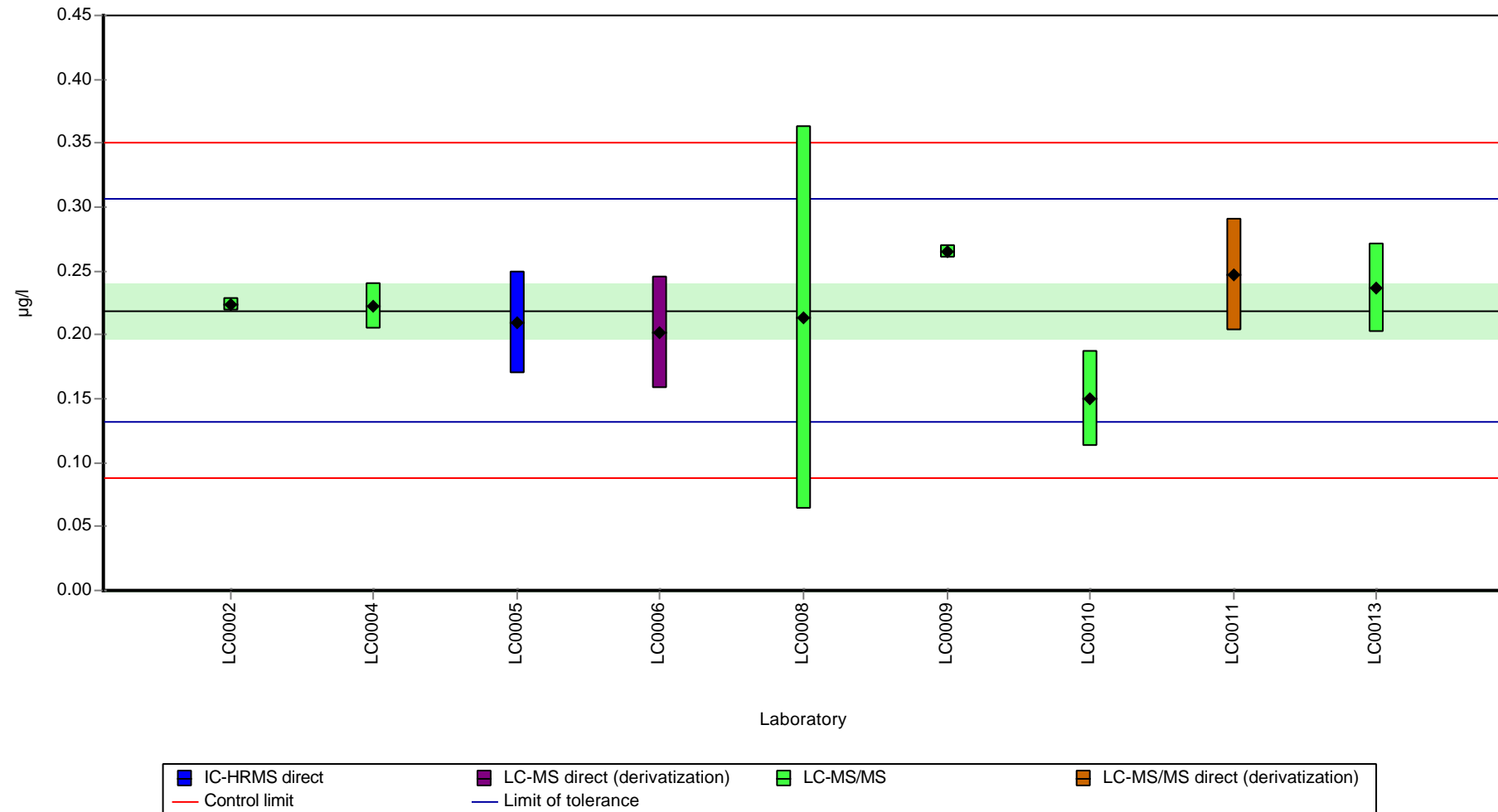
| | all results | without outliers | Unit |
|-------------------------|----------------|------------------|------|
| Mean ± CI (99%) | 0.219 ± 0.0325 | 0.219 ± 0.0325 | µg/l |
| Minimum | 0.15 | 0.15 | µg/l |
| Maximum | 0.265 | 0.265 | µg/l |
| Standard deviation | 0.0325 | 0.0325 | µg/l |
| rel. standard deviation | 14.8 | 14.8 | % |
| n | 9 | 9 | - |

Parameter oriented report Pesticides H119

Sample: H119A, Parameter: Glyphosate

Graphical presentation of results

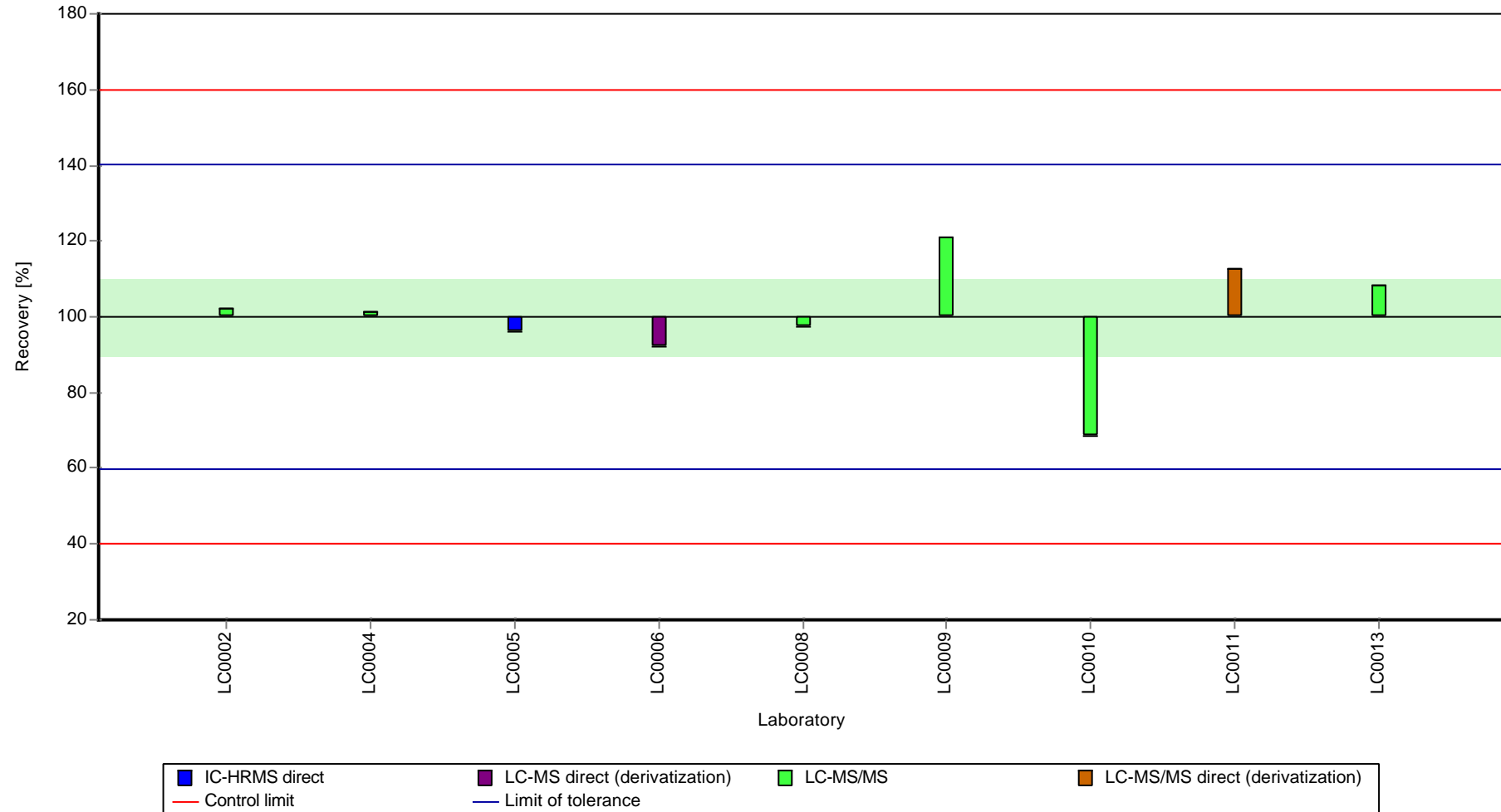
Results



Parameter oriented report Pesticides H119

Sample: H119A, Parameter: Glyphosate

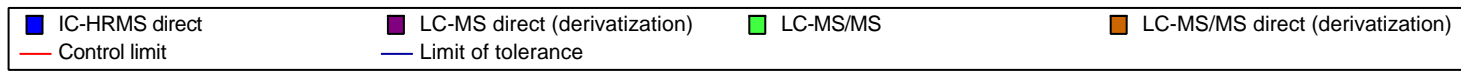
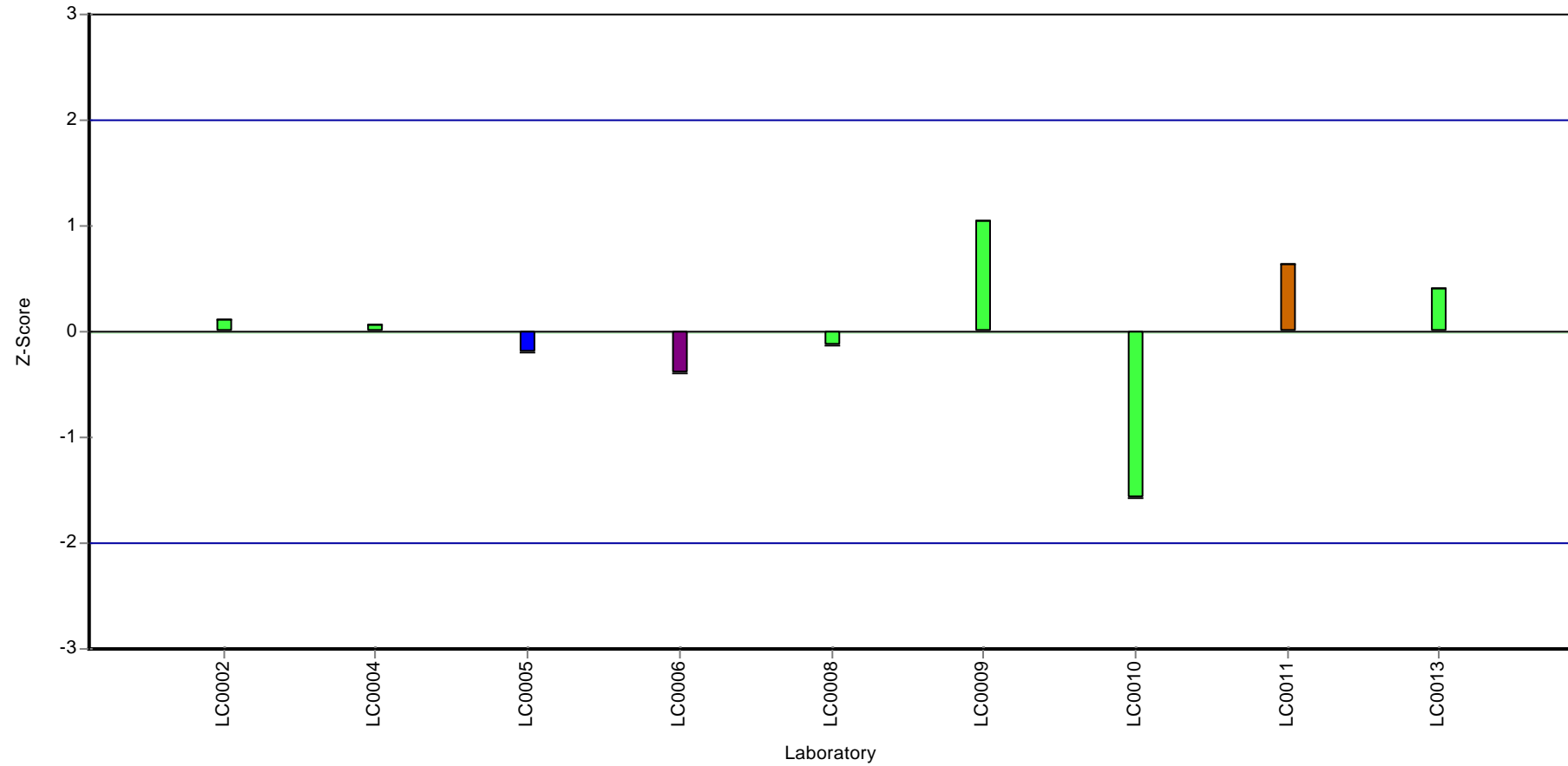
Recovery rate



Parameter oriented report Pesticides H119

Sample: H119A, Parameter: Glyphosate

Z-score



Parameter oriented report Pesticides H119

Sample: H119B, Parameter: Glyphosate

Parameter oriented report

H119 B

Glyphosate

| | |
|------------------------------|----------------|
| Unit | µg/l |
| Assigned value ± U (k=2) | 0.517 ± 0.0538 |
| Criterion | 0.103 (20 %) |
| Minimum - Maximum | 0.361 - 0.617 |
| Control test value ± U (k=2) | 0.578 ± 0.0867 |

| Labcode | Result | ± U | Recovery [%] | z-score | Comments |
|---------|--------|---------|--------------|---------|----------|
| LC0001 | - | - | - | - | |
| LC0002 | 0.617 | 0.034 | 119 | 0.97 | |
| LC0003 | - | - | - | - | |
| LC0004 | 0.551 | 0.045 | 107 | 0.33 | |
| LC0005 | 0.54 | 0.1 | 104 | 0.22 | |
| LC0006 | 0.553 | 0.122 | 107 | 0.35 | |
| LC0007 | - | - | - | - | |
| LC0008 | 0.495 | 0.3 | 95.8 | -0.21 | |
| LC0009 | 0.537 | 0.014 | 104 | 0.2 | |
| LC0010 | 0.361 | 0.09025 | 69.9 | -1.51 | |
| LC0011 | 0.417 | 0.075 | 80.7 | -0.97 | |
| LC0012 | - | - | - | - | |
| LC0013 | 0.58 | 0.0754 | 112 | 0.61 | |
| LC0014 | - | - | - | - | |
| LC0015 | - | - | - | - | |

Characteristics of parameter

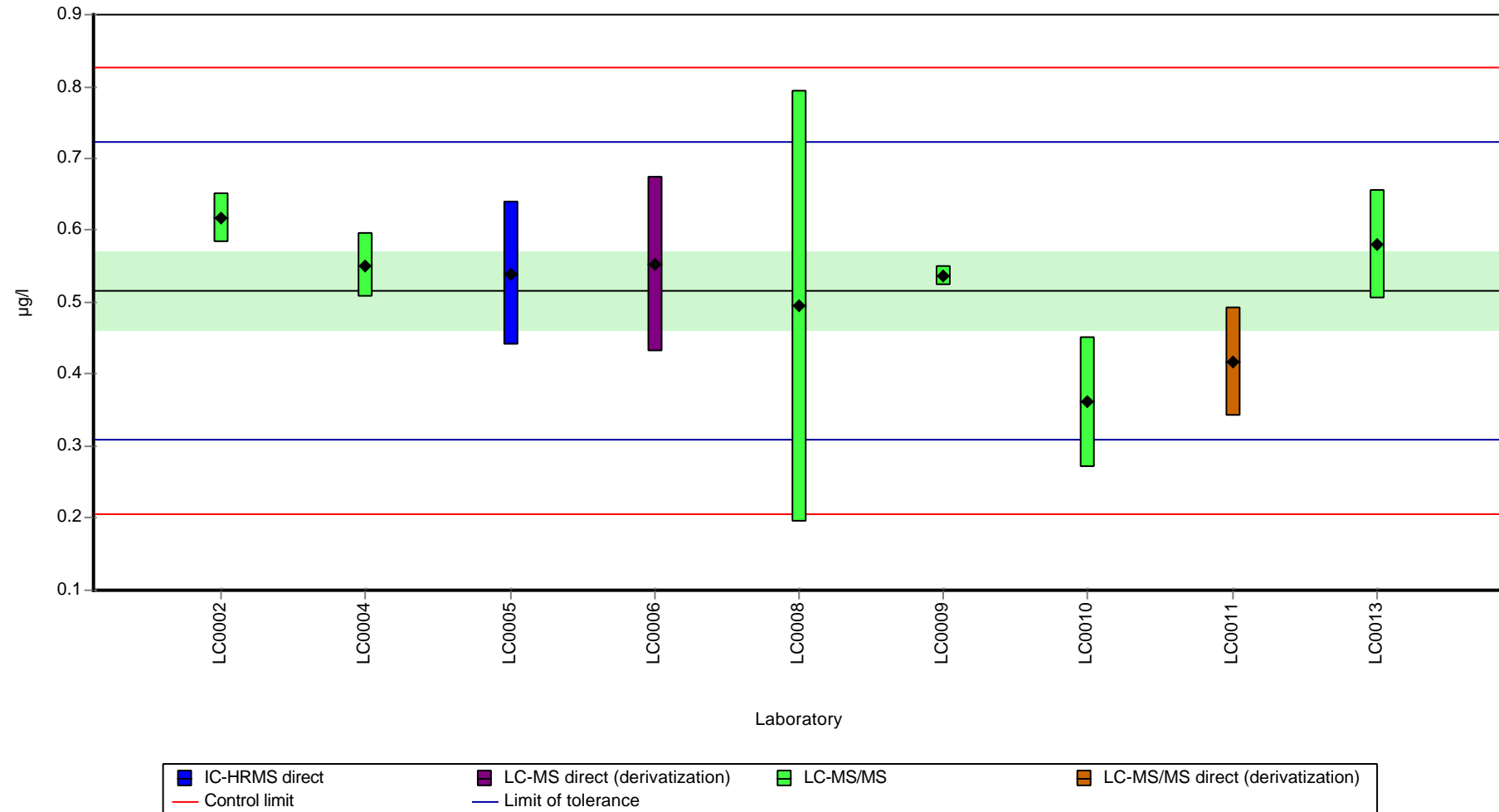
| | all results | without outliers | Unit |
|-------------------------|----------------|------------------|------|
| Mean ± CI (99%) | 0.517 ± 0.0808 | 0.517 ± 0.0808 | µg/l |
| Minimum | 0.361 | 0.361 | µg/l |
| Maximum | 0.617 | 0.617 | µg/l |
| Standard deviation | 0.0808 | 0.0808 | µg/l |
| rel. standard deviation | 15.6 | 15.6 | % |
| n | 9 | 9 | - |

Parameter oriented report Pesticides H119

Sample: H119B, Parameter: Glyphosate

Graphical presentation of results

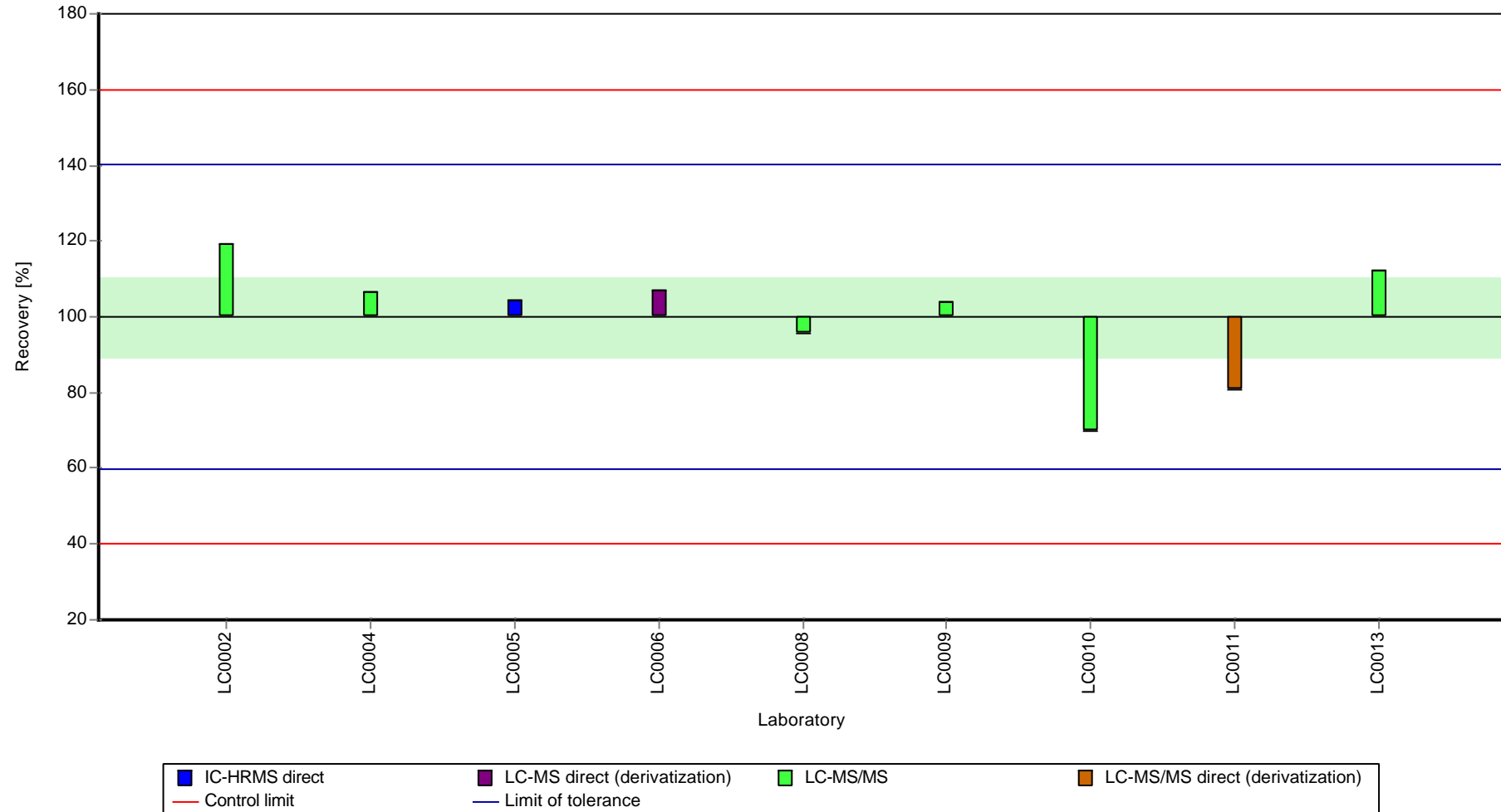
Results



Parameter oriented report Pesticides H119

Sample: H119B, Parameter: Glyphosate

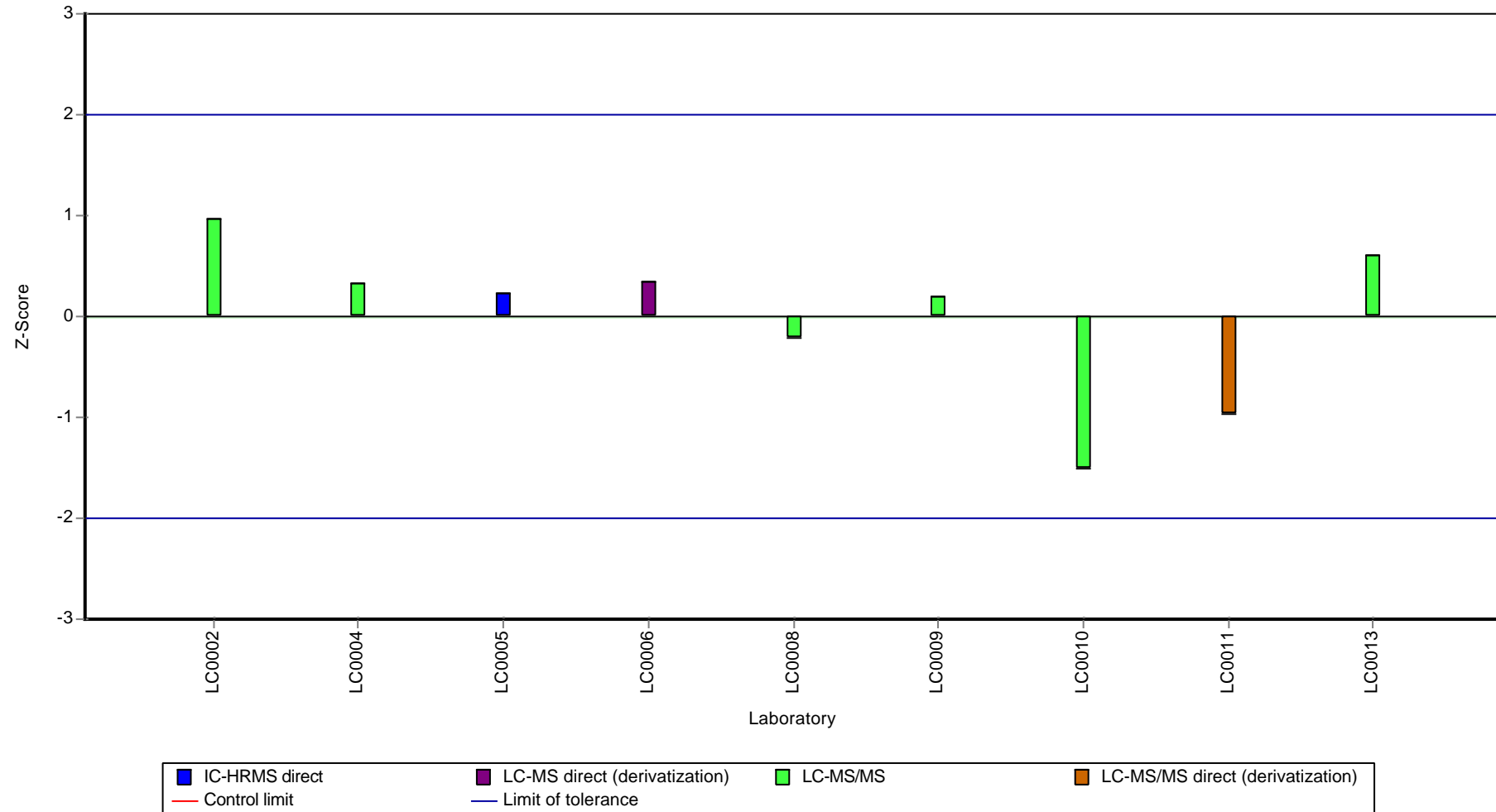
Recovery rate



Parameter oriented report Pesticides H119

Sample: H119B, Parameter: Glyphosate

Z-score



Parameter oriented report Pesticides H119

Sample: H119A, Parameter: MCP (Mecoprop)

Parameter oriented report

H119 A

MCP (Mecoprop)

| | |
|------------------------------|----------------|
| Unit | µg/l |
| Assigned value ± U (k=2) | 0.189 ± 0.006 |
| Criterion | 0.0245 (13 %) |
| Minimum - Maximum | 0.17 - 0.201 |
| Control test value ± U (k=2) | 0.194 ± 0.0291 |

| Labcode | Result | ± U | Recovery [%] | z-score | Comments |
|---------|--------|---------|--------------|---------|----------|
| LC0001 | 0.201 | 0.058 | 107 | 0.51 | |
| LC0002 | 0.192 | 0.012 | 102 | 0.14 | |
| LC0003 | 0.185 | 0.03 | 98.1 | -0.15 | |
| LC0004 | - | - | - | - | |
| LC0005 | 0.261 | 0.057 | 138 | 2.96 | H |
| LC0006 | - | - | - | - | |
| LC0007 | 0.1896 | 0.0474 | 101 | 0.04 | |
| LC0008 | 0.199 | 0.16 | 106 | 0.43 | |
| LC0009 | 0.193 | 0.007 | 102 | 0.18 | |
| LC0010 | 0.188 | 0.03123 | 99.7 | -0.02 | |
| LC0011 | 0.17 | 0.031 | 90.2 | -0.76 | |
| LC0012 | 0.19 | 0.06 | 101 | 0.06 | |
| LC0013 | 0.1715 | 0.0163 | 91 | -0.7 | |
| LC0014 | 0.195 | 0.0585 | 103 | 0.26 | |
| LC0015 | - | - | - | - | |

Characteristics of parameter

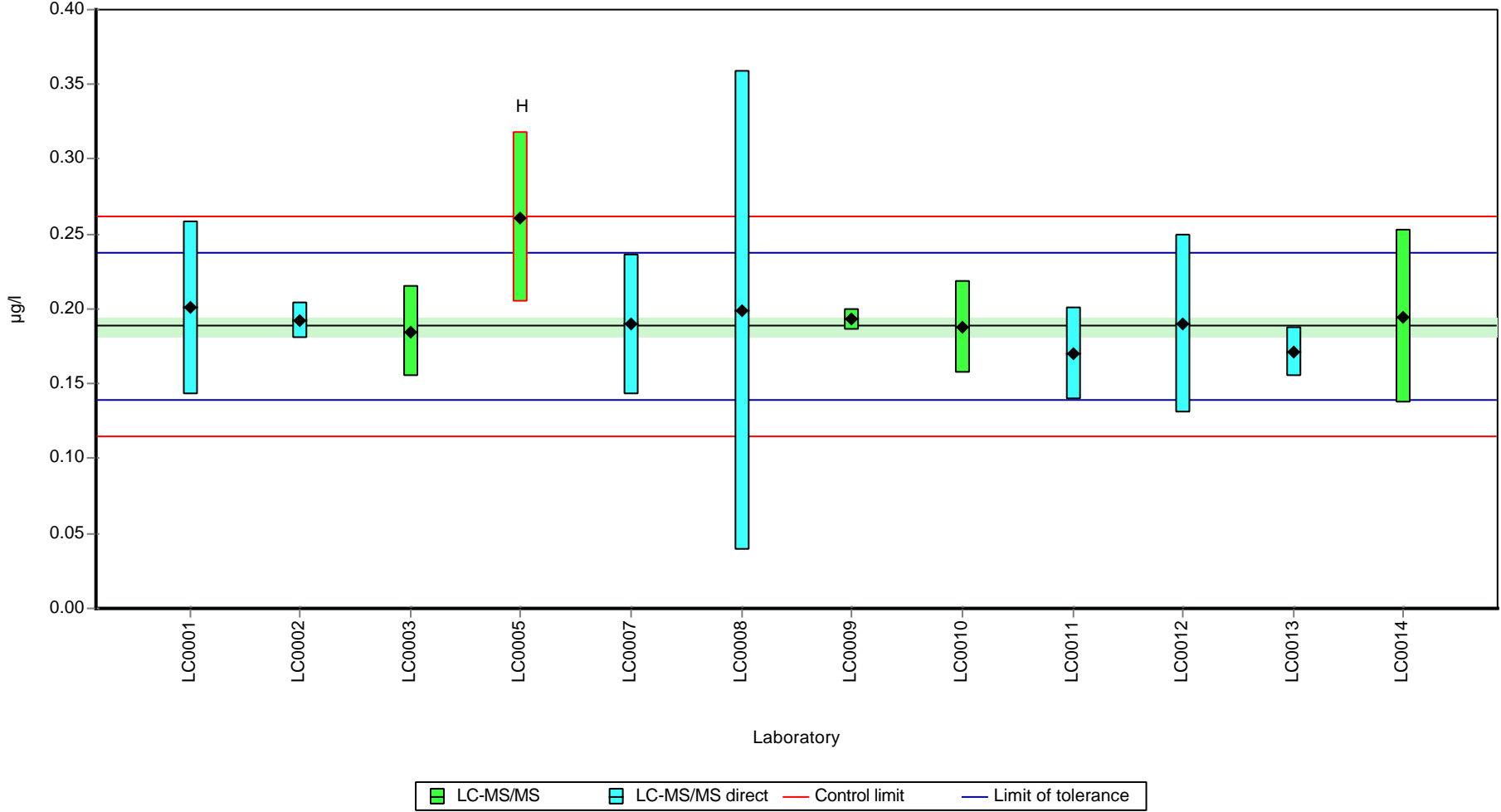
| | all results | without outliers | Unit |
|-------------------------|----------------|------------------|------|
| Mean ± CI (99%) | 0.195 ± 0.0199 | 0.189 ± 0.00899 | µg/l |
| Minimum | 0.17 | 0.17 | µg/l |
| Maximum | 0.261 | 0.201 | µg/l |
| Standard deviation | 0.023 | 0.00994 | µg/l |
| rel. standard deviation | 11.8 | 5.27 | % |
| n | 12 | 11 | - |

Parameter oriented report Pesticides H119

Sample: H119A, Parameter: MCP (Mecoprop)

Graphical presentation of results

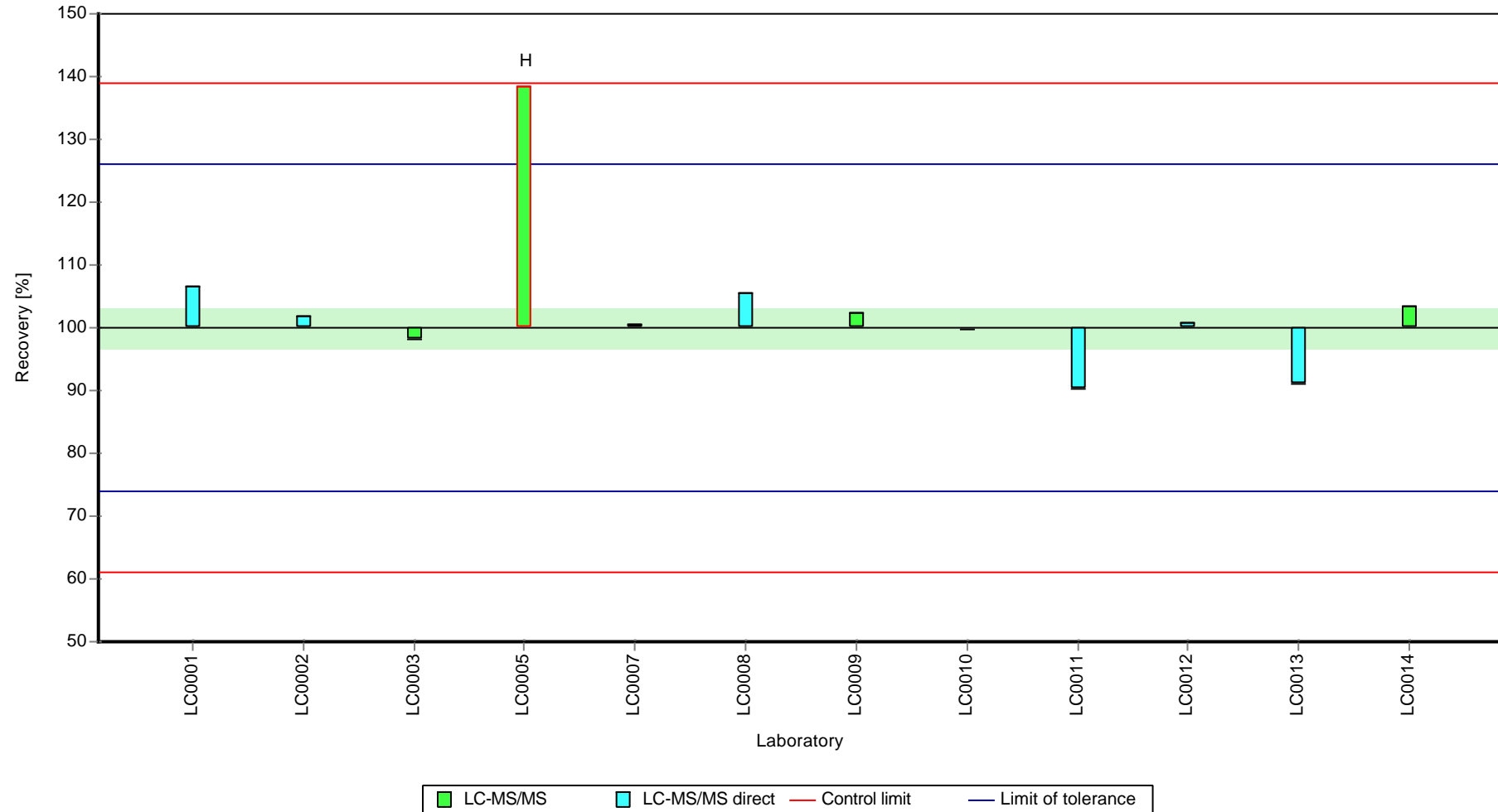
Results



Parameter oriented report Pesticides H119

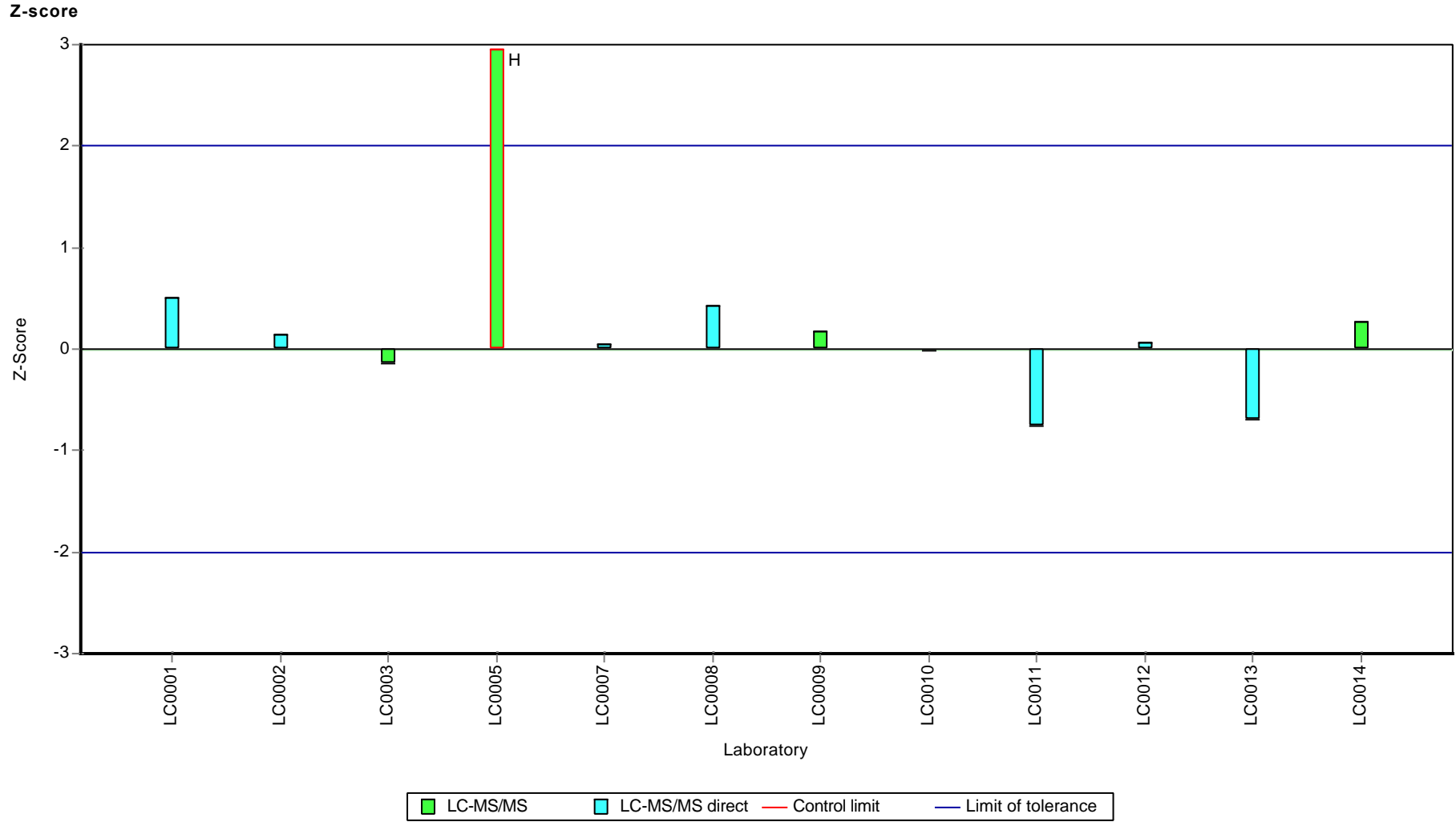
Sample: H119A, Parameter: MCP (Mecoprop)

Recovery rate



Parameter oriented report Pesticides H119

Sample: H119A, Parameter: MCP (Mecoprop)



Parameter oriented report Pesticides H119

Sample: H119B, Parameter: MCPP (Mecoprop)

Parameter oriented report

H119 B

MCPP (Mecoprop)

| | |
|------------------------------|----------------|
| Unit | µg/l |
| Assigned value ± U (k=2) | 0.315 ± 0.0145 |
| Criterion | 0.041 (13 %) |
| Minimum - Maximum | 0.274 - 0.358 |
| Control test value ± U (k=2) | 0.327 ± 0.0491 |

| Labcode | Result | ± U | Recovery [%] | z-score | Comments |
|---------|--------|---------|--------------|---------|----------|
| LC0001 | 0.34 | 0.1 | 108 | 0.61 | |
| LC0002 | 0.318 | 0.01 | 101 | 0.07 | |
| LC0003 | 0.358 | 0.055 | 114 | 1.05 | |
| LC0004 | - | - | - | - | |
| LC0005 | 0.463 | 0.102 | 147 | 3.61 | H |
| LC0006 | - | - | - | - | |
| LC0007 | 0.3139 | 0.0785 | 99.6 | -0.03 | |
| LC0008 | 0.303 | 0.03 | 96.2 | -0.29 | |
| LC0009 | 0.332 | 0.008 | 105 | 0.41 | |
| LC0010 | 0.309 | 0.05132 | 98.1 | -0.15 | |
| LC0011 | 0.282 | 0.051 | 89.5 | -0.81 | |
| LC0012 | 0.32 | 0.1 | 102 | 0.12 | |
| LC0013 | 0.274 | 0.037 | 87 | -1 | |
| LC0014 | 0.316 | 0.0948 | 100 | 0.02 | |
| LC0015 | - | - | - | - | |

Characteristics of parameter

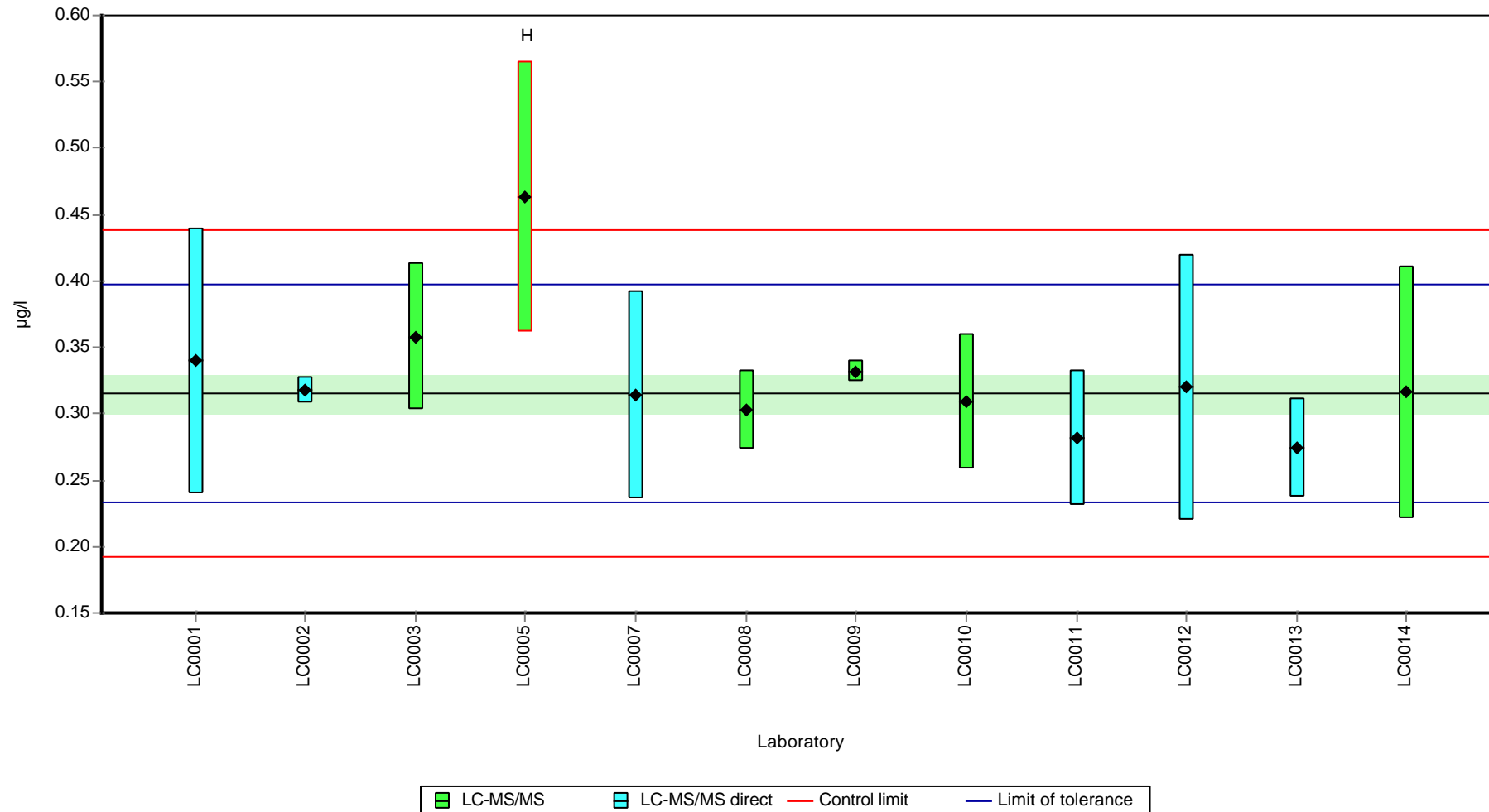
| | all results | w ithout outliers | Unit |
|-------------------------|----------------|-------------------|------|
| Mean ± CI (99%) | 0.327 ± 0.0419 | 0.315 ± 0.0217 | µg/l |
| Minimum | 0.274 | 0.274 | µg/l |
| Maximum | 0.463 | 0.358 | µg/l |
| Standard deviation | 0.0484 | 0.024 | µg/l |
| rel. standard deviation | 14.8 | 7.61 | % |
| n | 12 | 11 | - |

Parameter oriented report Pesticides H119

Sample: H119B, Parameter: MCPP (Mecoprop)

Graphical presentation of results

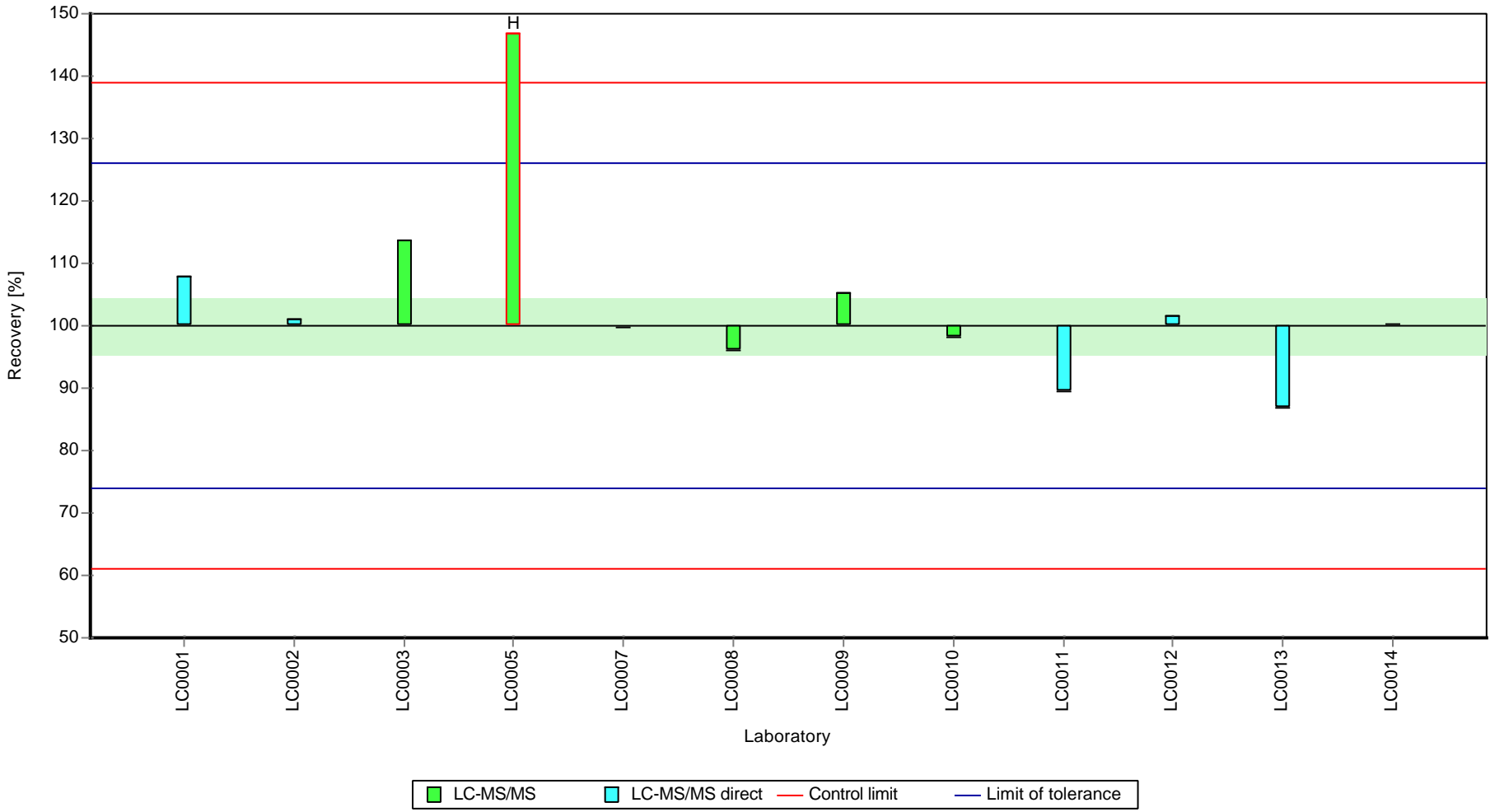
Results



Parameter oriented report Pesticides H119

Sample: H119B, Parameter: MCP (Mecoprop)

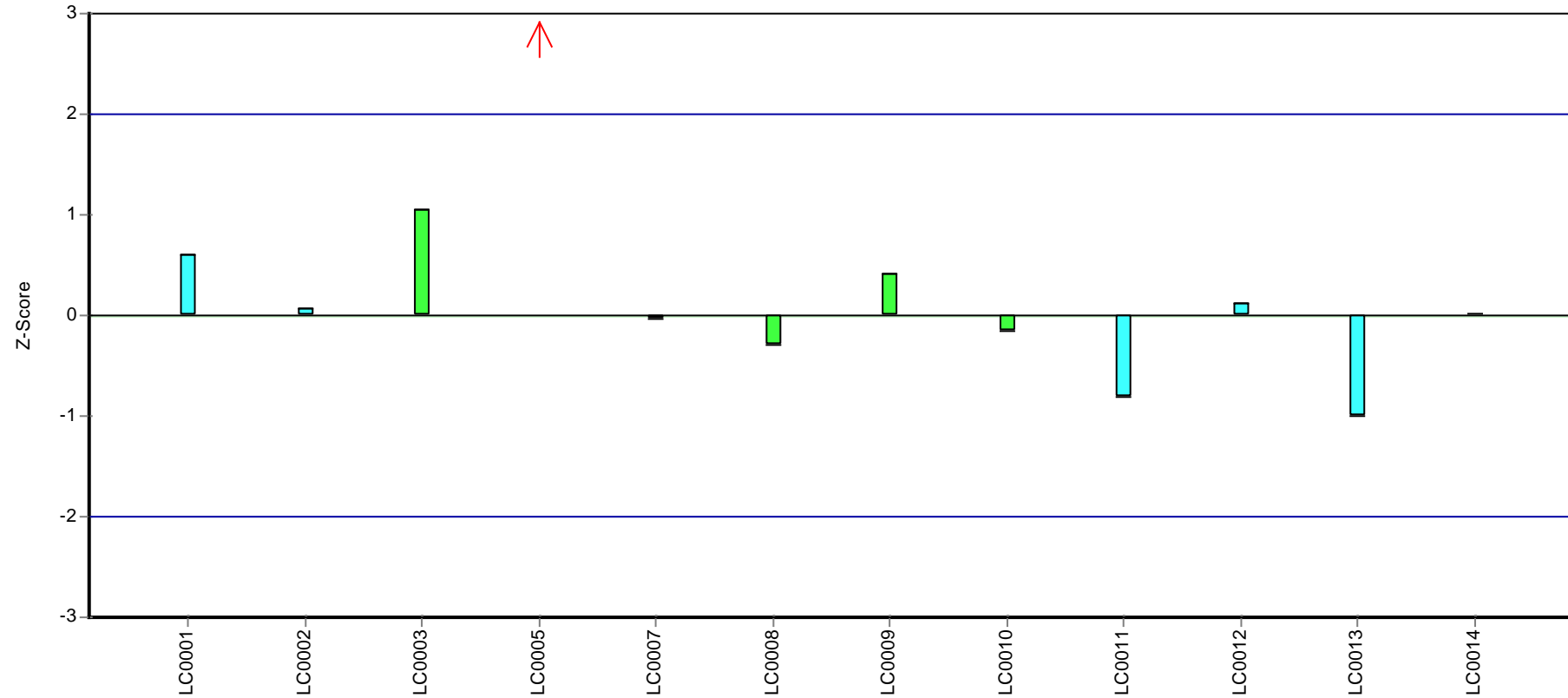
Recovery rate



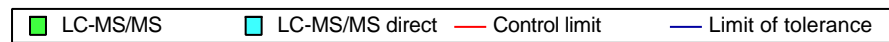
Parameter oriented report Pesticides H119

Sample: H119B, Parameter: MCP (Mecoprop)

Z-score



Laboratory



Parameter oriented report Pesticides H119

Sample: H119A, Parameter: Metazachlor

Parameter oriented report

H119 A

Metazachlor

| | |
|------------------------------|-----------------|
| Unit | µg/l |
| Assigned value ± U (k=2) | 0.201 ± 0.00507 |
| Criterion | 0.0242 (12 %) |
| Minimum - Maximum | 0.185 - 0.21 |
| Control test value ± U (k=2) | 0.208 ± 0.0313 |

| Labcode | Result | ± U | Recovery [%] | z-score | Comments |
|---------|--------|---------|--------------|---------|----------|
| LC0001 | 0.204 | 0.067 | 101 | 0.11 | |
| LC0002 | 0.205 | 0.004 | 102 | 0.15 | |
| LC0003 | 0.209 | 0.03 | 104 | 0.32 | |
| LC0004 | - | - | - | - | |
| LC0005 | 0.203 | 0.045 | 101 | 0.07 | |
| LC0006 | - | - | - | - | |
| LC0007 | 0.19 | 0.0475 | 94.4 | -0.47 | |
| LC0008 | - | - | - | - | |
| LC0009 | 0.199 | 0.003 | 98.9 | -0.09 | |
| LC0010 | 0.204 | 0.03274 | 101 | 0.11 | |
| LC0011 | 0.204 | 0.037 | 101 | 0.11 | |
| LC0012 | 0.21 | 0.06 | 104 | 0.36 | |
| LC0013 | 0.1848 | 0.0314 | 91.8 | -0.68 | |
| LC0014 | - | - | - | - | |
| LC0015 | - | - | - | - | |

Characteristics of parameter

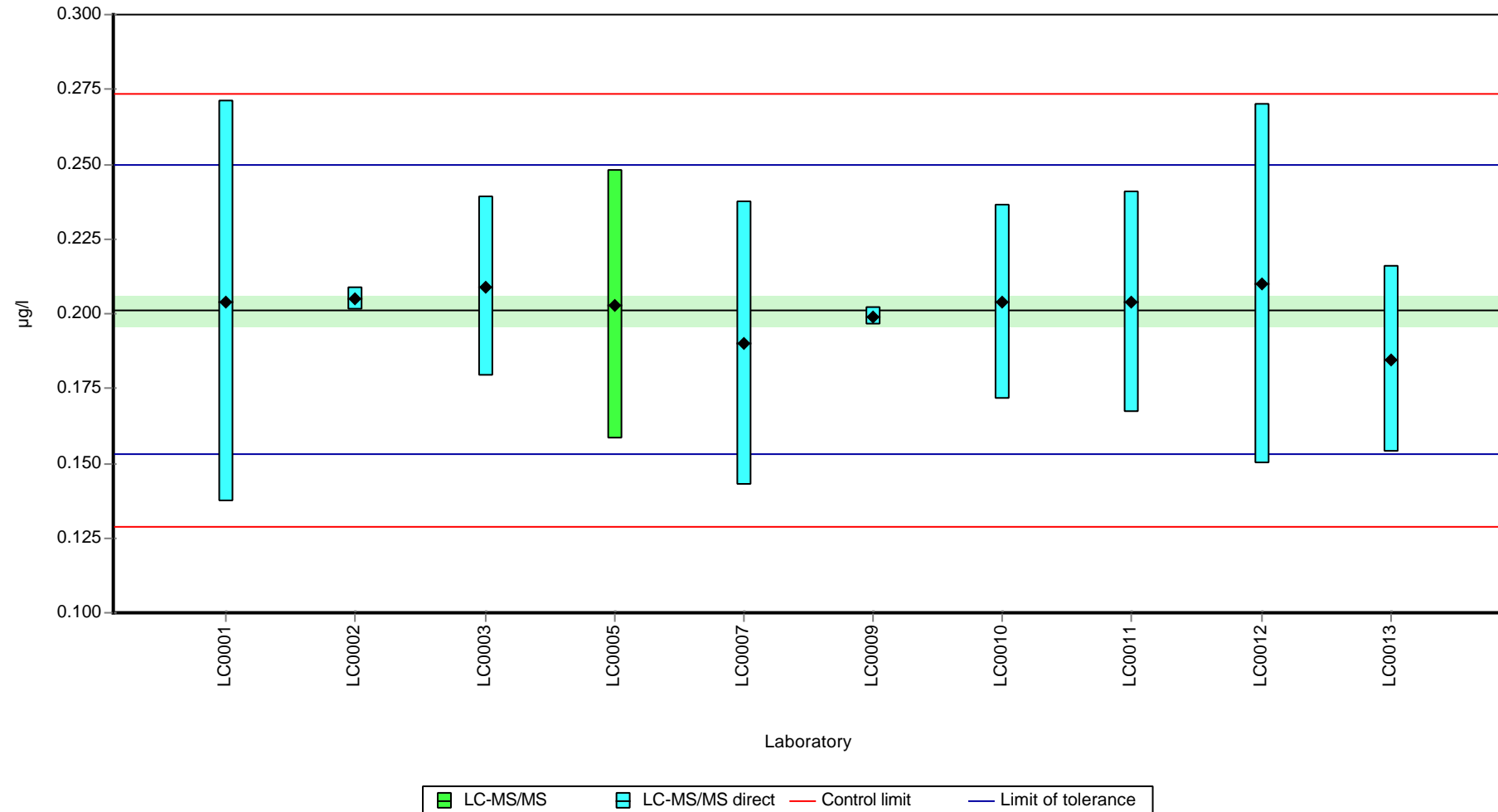
| | all results | without outliers | Unit |
|-------------------------|-----------------|------------------|------|
| Mean ± CI (99%) | 0.201 ± 0.00761 | 0.201 ± 0.00761 | µg/l |
| Minimum | 0.185 | 0.185 | µg/l |
| Maximum | 0.21 | 0.21 | µg/l |
| Standard deviation | 0.00802 | 0.00802 | µg/l |
| rel. standard deviation | 3.98 | 3.98 | % |
| n | 10 | 10 | - |

Parameter oriented report Pesticides H119

Sample: H119A, Parameter: Metazachlor

Graphical presentation of results

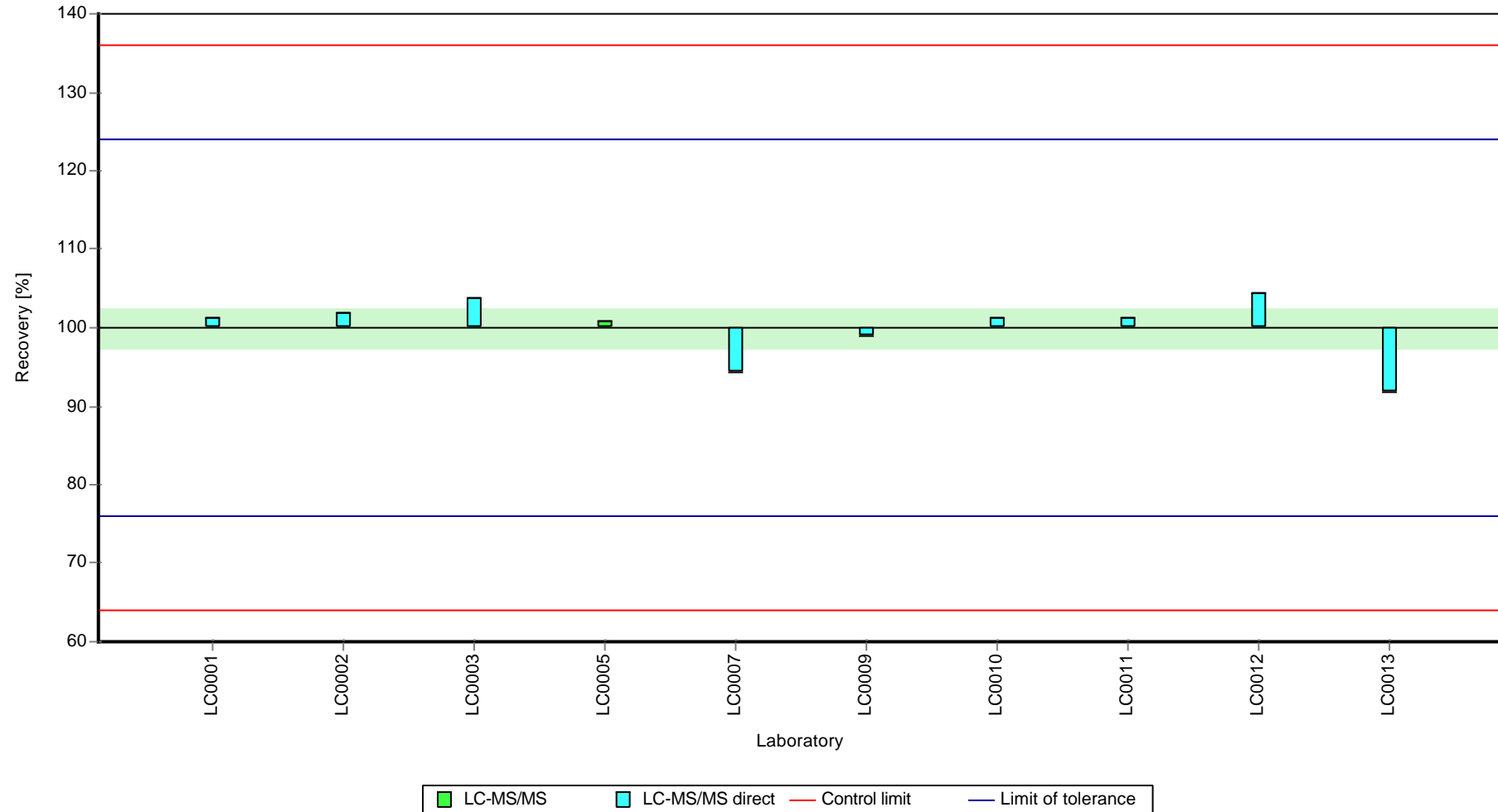
Results



Parameter oriented report Pesticides H119

Sample: H119A, Parameter: Metazachlor

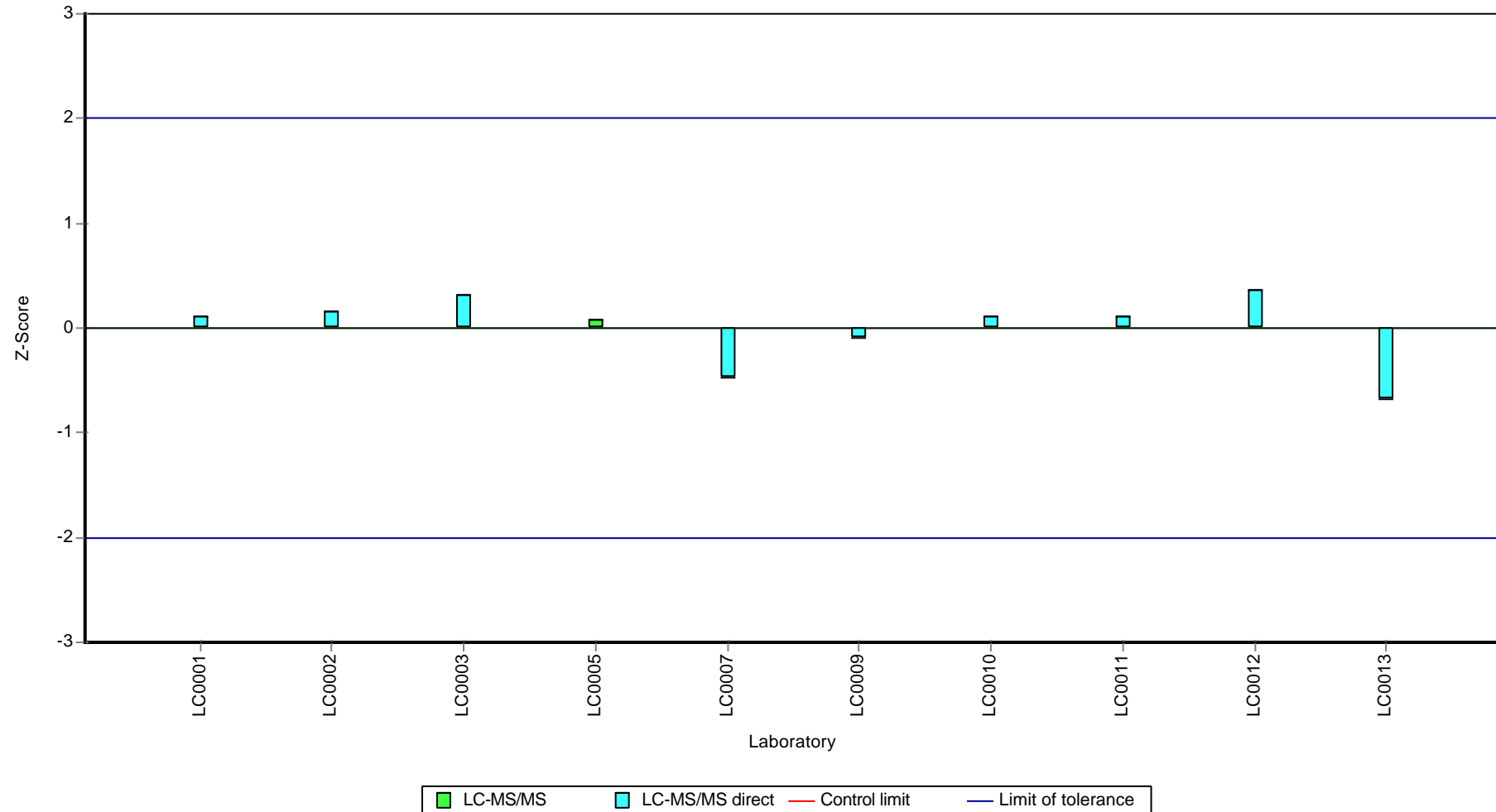
Recovery rate



Parameter oriented report Pesticides H119

Sample: H119A, Parameter: Metazachlor

Z-score



Parameter oriented report Pesticides H119

Sample: H119B, Parameter: Metazachlor

Parameter oriented report

H119 B

Metazachlor

| | |
|------------------------------|-----------------|
| Unit | µg/l |
| Assigned value ± U (k=2) | 0.413 ± 0.00694 |
| Criterion | 0.0495 (12 %) |
| Minimum - Maximum | 0.397 - 0.427 |
| Control test value ± U (k=2) | 0.420 ± 0.063 |

| Labcode | Result | ± U | Recovery [%] | z-score | Comments |
|---------|--------|---------|--------------|---------|----------|
| LC0001 | 0.427 | 0.14 | 103 | 0.29 | |
| LC0002 | 0.41 | 0.005 | 99.3 | -0.06 | |
| LC0003 | 0.413 | 0.065 | 100 | 0.00 | |
| LC0004 | - | - | - | - | |
| LC0005 | 0.507 | 0.112 | 123 | 1.9 | H |
| LC0006 | - | - | - | - | |
| LC0007 | 0.3997 | 0.0999 | 96.8 | -0.26 | |
| LC0008 | - | - | - | - | |
| LC0009 | 0.397 | 0.003 | 96.2 | -0.32 | |
| LC0010 | 0.413 | 0.06629 | 100 | 0.00 | |
| LC0011 | 0.426 | 0.077 | 103 | 0.27 | |
| LC0012 | 0.42 | 0.12 | 102 | 0.14 | |
| LC0013 | 0.4097 | 0.0737 | 99.2 | -0.06 | |
| LC0014 | - | - | - | - | |
| LC0015 | - | - | - | - | |

Characteristics of parameter

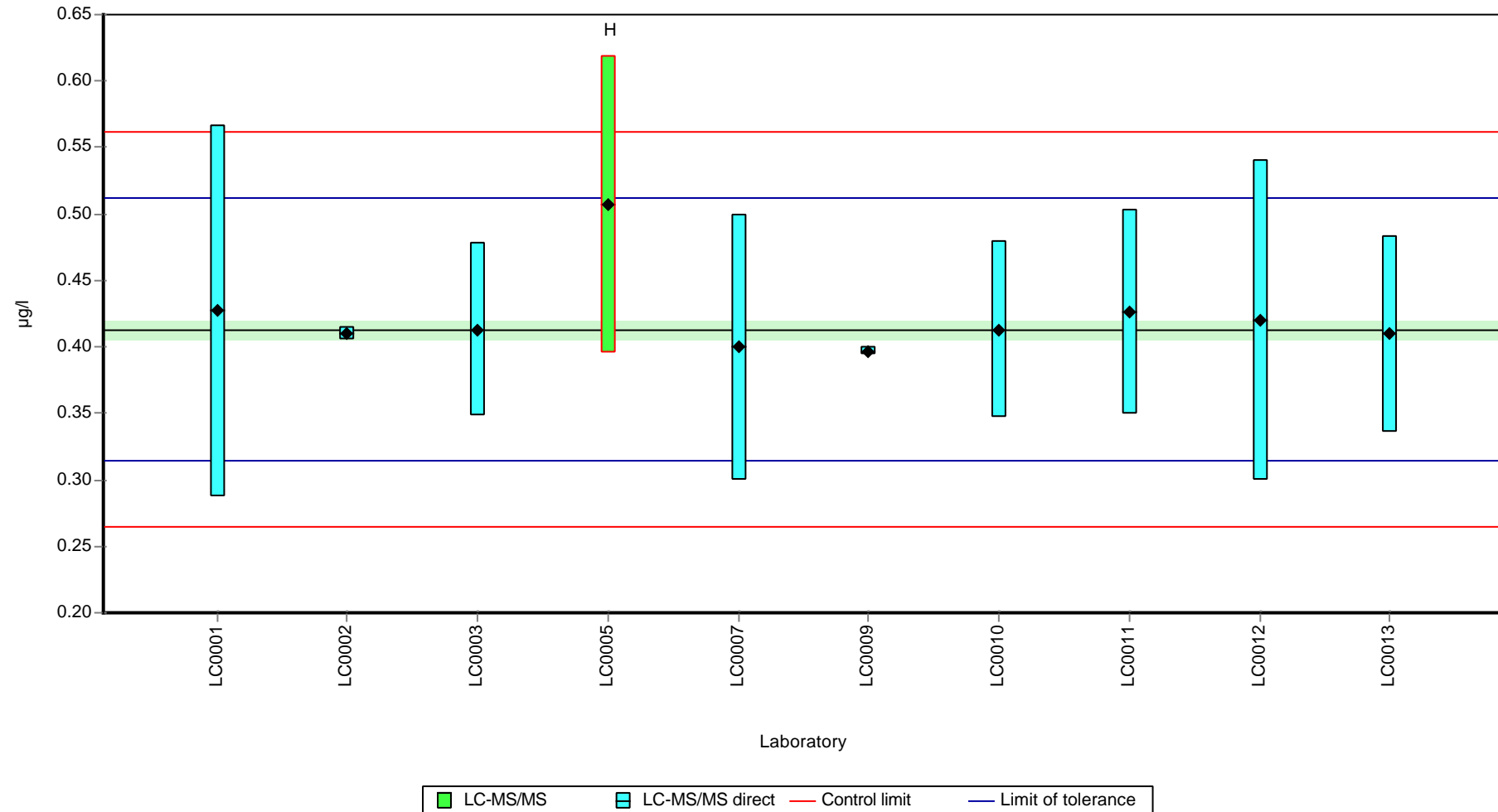
| | all results | w ithout outliers | Unit |
|-------------------------|----------------|-------------------|------|
| Mean ± CI (99%) | 0.422 ± 0.0297 | 0.413 ± 0.0104 | µg/l |
| Minimum | 0.397 | 0.397 | µg/l |
| Maximum | 0.507 | 0.427 | µg/l |
| Standard deviation | 0.0314 | 0.0104 | µg/l |
| rel. standard deviation | 7.43 | 2.52 | % |
| n | 10 | 9 | - |

Parameter oriented report Pesticides H119

Sample: H119B, Parameter: Metazachlor

Graphical presentation of results

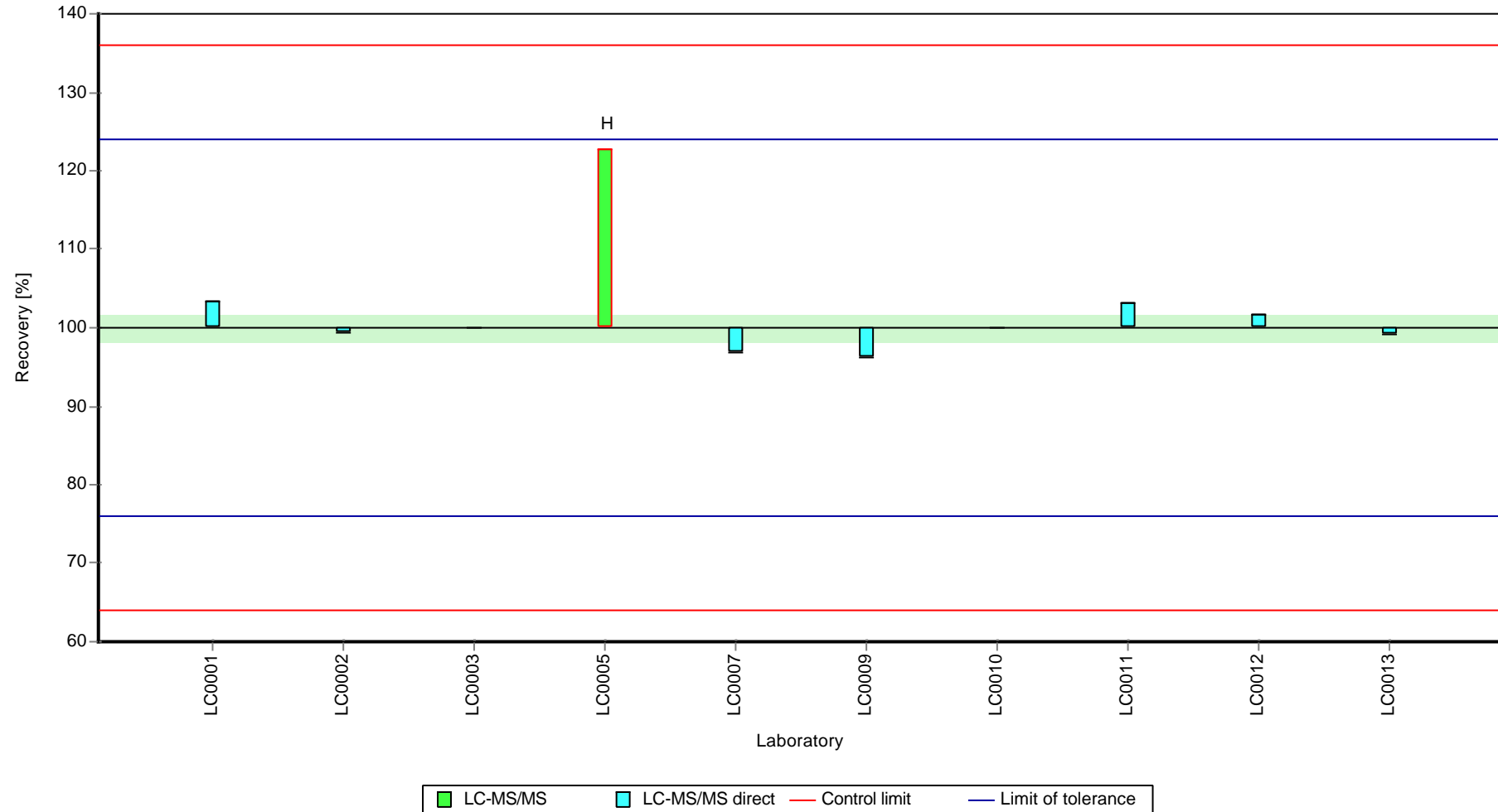
Results



Parameter oriented report Pesticides H119

Sample: H119B, Parameter: Metazachlor

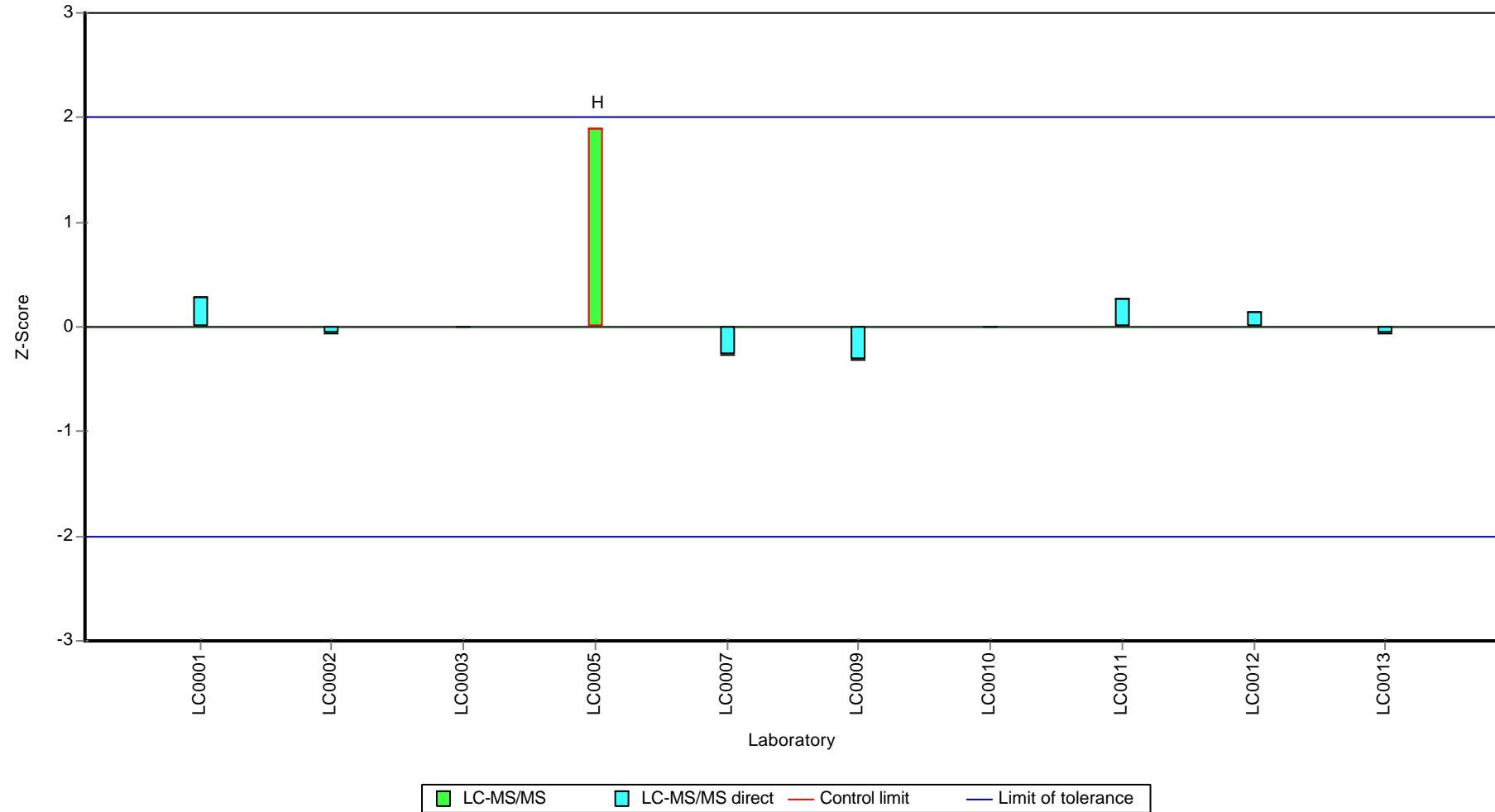
Recovery rate



Parameter oriented report Pesticides H119

Sample: H119B, Parameter: Metazachlor

Z-score



Parameter oriented report Pesticides H119

Sample: H119A, Parameter: Metazachlor ethane sulfonic acid (Metazachlor-ESA)

Parameter oriented report

H119 A

Metazachlor ethane sulfonic acid (Metazachlor-ESA)

| | |
|------------------------------|----------------|
| Unit | µg/l |
| Assigned value ± U (k=2) | 0.298 ± 0.0233 |
| Criterion | 0.0567 (19 %) |
| Minimum - Maximum | 0.244 - 0.339 |
| Control test value ± U (k=2) | 0.316 ± 0.0791 |

| Labcode | Result | ± U | Recovery [%] | z-score | Comments |
|---------|--------|--------|--------------|---------|----------|
| LC0001 | - | - | - | - | |
| LC0002 | - | - | - | - | |
| LC0003 | 0.306 | 0.05 | 103 | 0.14 | |
| LC0004 | - | - | - | - | |
| LC0005 | - | - | - | - | |
| LC0006 | - | - | - | - | |
| LC0007 | 0.3392 | 0.0848 | 114 | 0.72 | |
| LC0008 | 0.339 | 0.05 | 114 | 0.72 | |
| LC0009 | 0.313 | 0.007 | 105 | 0.26 | |
| LC0010 | 0.269 | 0.0623 | 90.2 | -0.52 | |
| LC0011 | 0.259 | 0.047 | 86.8 | -0.69 | |
| LC0012 | 0.29 | 0.09 | 97.2 | -0.15 | |
| LC0013 | 0.325 | 0.0805 | 109 | 0.47 | |
| LC0014 | 0.244 | 0.0732 | 81.8 | -0.96 | |
| LC0015 | - | - | - | - | |

Characteristics of parameter

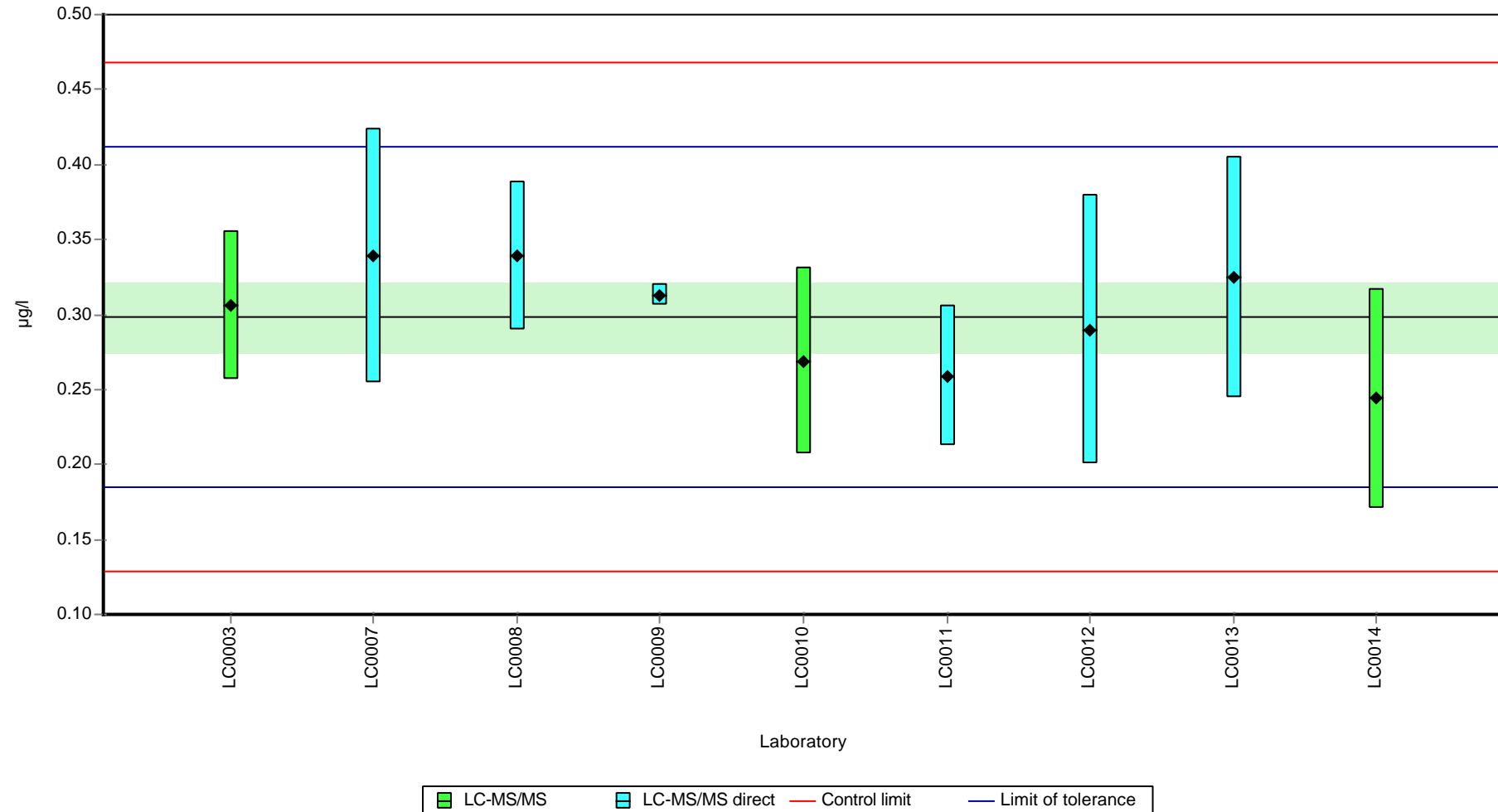
| | all results | without outliers | Unit |
|-------------------------|----------------|------------------|------|
| Mean ± CI (99%) | 0.298 ± 0.0349 | 0.298 ± 0.0349 | µg/l |
| Minimum | 0.244 | 0.244 | µg/l |
| Maximum | 0.339 | 0.339 | µg/l |
| Standard deviation | 0.0349 | 0.0349 | µg/l |
| rel. standard deviation | 11.7 | 11.7 | % |
| n | 9 | 9 | - |

Parameter oriented report Pesticides H119

Sample: H119A, Parameter: Metazachlor ethane sulfonic acid (Metazachlor-ESA)

Graphical presentation of results

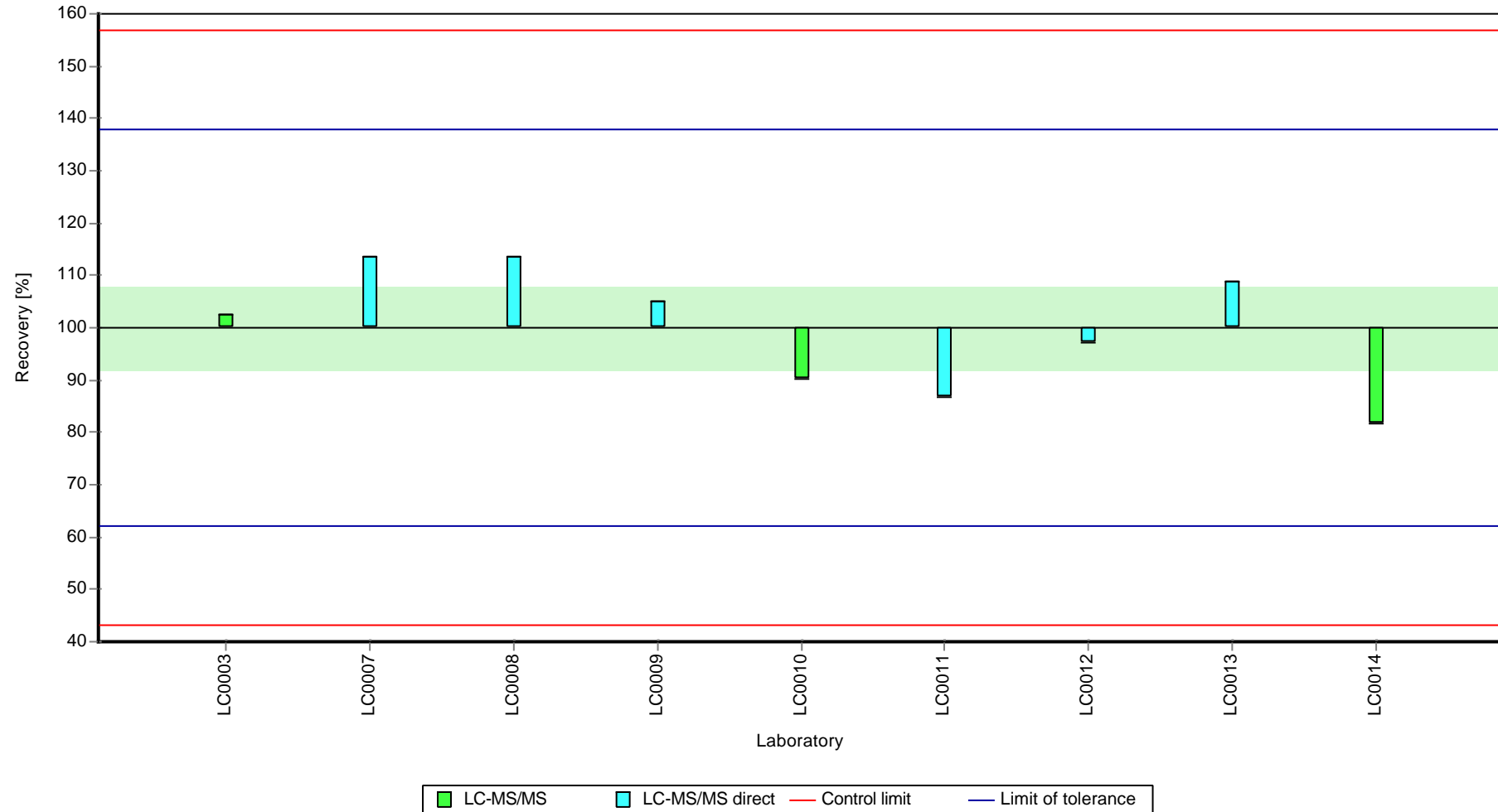
Results



Parameter oriented report Pesticides H119

Sample: H119A, Parameter: Metazachlor ethane sulfonic acid (Metazachlor-ESA)

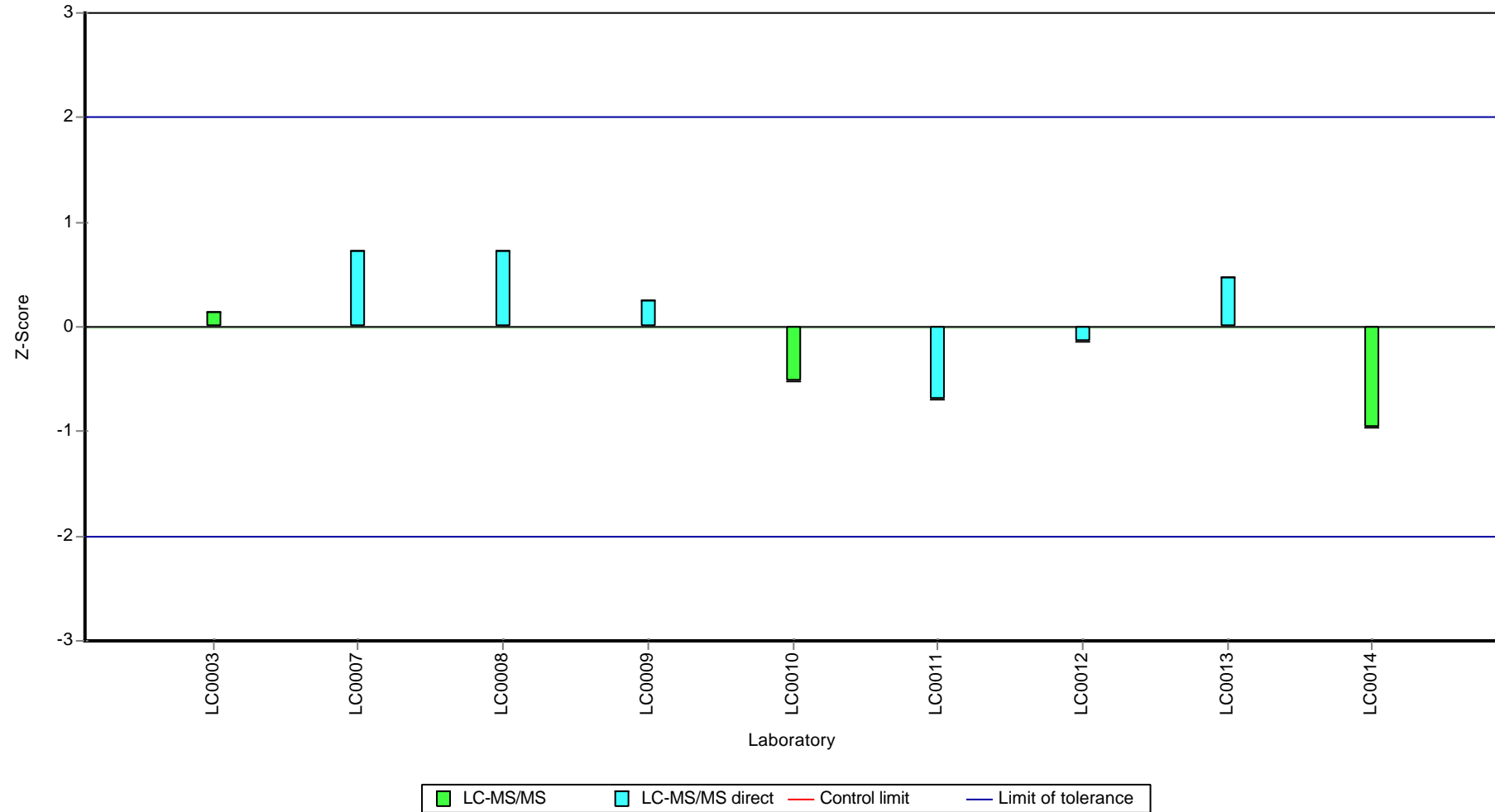
Recovery rate



Parameter oriented report Pesticides H119

Sample: H119A, Parameter: Metazachlor ethane sulfonic acid (Metazachlor-ESA)

Z-score



Parameter oriented report Pesticides H119

Sample: H119B, Parameter: Metazachlor ethane sulfonic acid (Metazachlor-ESA)

Parameter oriented report

H119 B

Metazachlor ethane sulfonic acid (Metazachlor-ESA)

| | |
|------------------------------|----------------|
| Unit | µg/l |
| Assigned value ± U (k=2) | 0.13 ± 0.0077 |
| Criterion | 0.0248 (19 %) |
| Minimum - Maximum | 0.109 - 0.144 |
| Control test value ± U (k=2) | 0.138 ± 0.0345 |

| Labcode | Result | ± U | Recovery [%] | z-score | Comments |
|---------|--------|---------|--------------|---------|----------|
| LC0001 | - | - | - | - | |
| LC0002 | - | - | - | - | |
| LC0003 | 0.126 | 0.02 | 96.7 | -0.17 | |
| LC0004 | - | - | - | - | |
| LC0005 | - | - | - | - | |
| LC0006 | - | - | - | - | |
| LC0007 | 0.1319 | 0.033 | 101 | 0.07 | |
| LC0008 | 0.144 | 0.03 | 111 | 0.55 | |
| LC0009 | 0.125 | 0.007 | 96 | -0.21 | |
| LC0010 | 0.141 | 0.03266 | 108 | 0.43 | |
| LC0011 | 0.109 | 0.02 | 83.7 | -0.86 | |
| LC0012 | 0.13 | 0.04 | 99.8 | -0.01 | |
| LC0013 | 0.1353 | 0.0269 | 104 | 0.2 | |
| LC0014 | 0.081 | 0.0243 | 62.2 | -1.99 | H |
| LC0015 | - | - | - | - | |

Characteristics of parameter

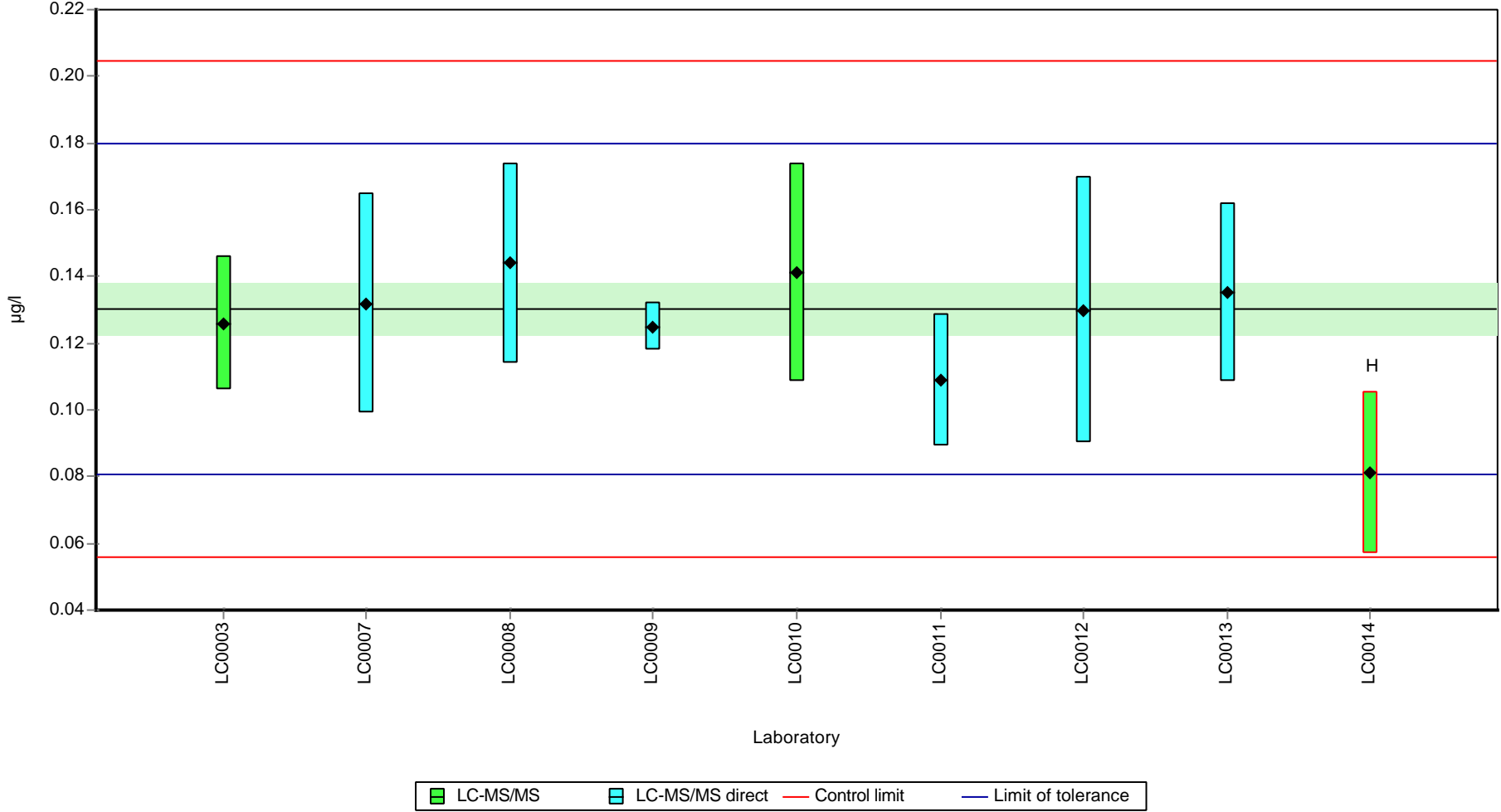
| | all results | w ithout outliers | Unit |
|-------------------------|----------------|-------------------|------|
| Mean ± CI (99%) | 0.125 ± 0.0193 | 0.13 ± 0.0116 | µg/l |
| Minimum | 0.081 | 0.109 | µg/l |
| Maximum | 0.144 | 0.144 | µg/l |
| Standard deviation | 0.0193 | 0.0109 | µg/l |
| rel. standard deviation | 15.5 | 8.36 | % |
| n | 9 | 8 | - |

Parameter oriented report Pesticides H119

Sample: H119B, Parameter: Metazachlor ethane sulfonic acid (Metazachlor-ESA)

Graphical presentation of results

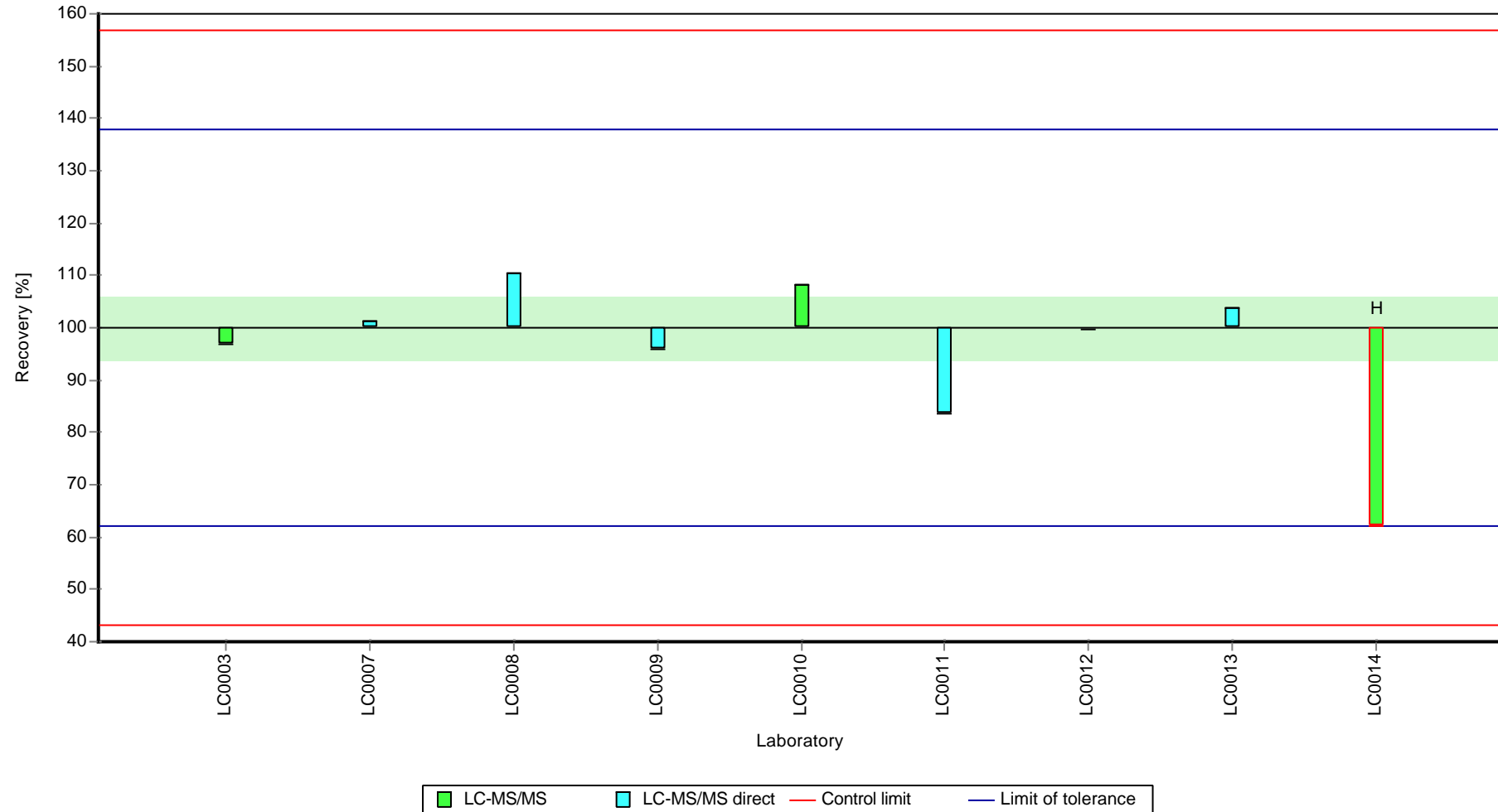
Results



Parameter oriented report Pesticides H119

Sample: H119B, Parameter: Metazachlor ethane sulfonic acid (Metazachlor-ESA)

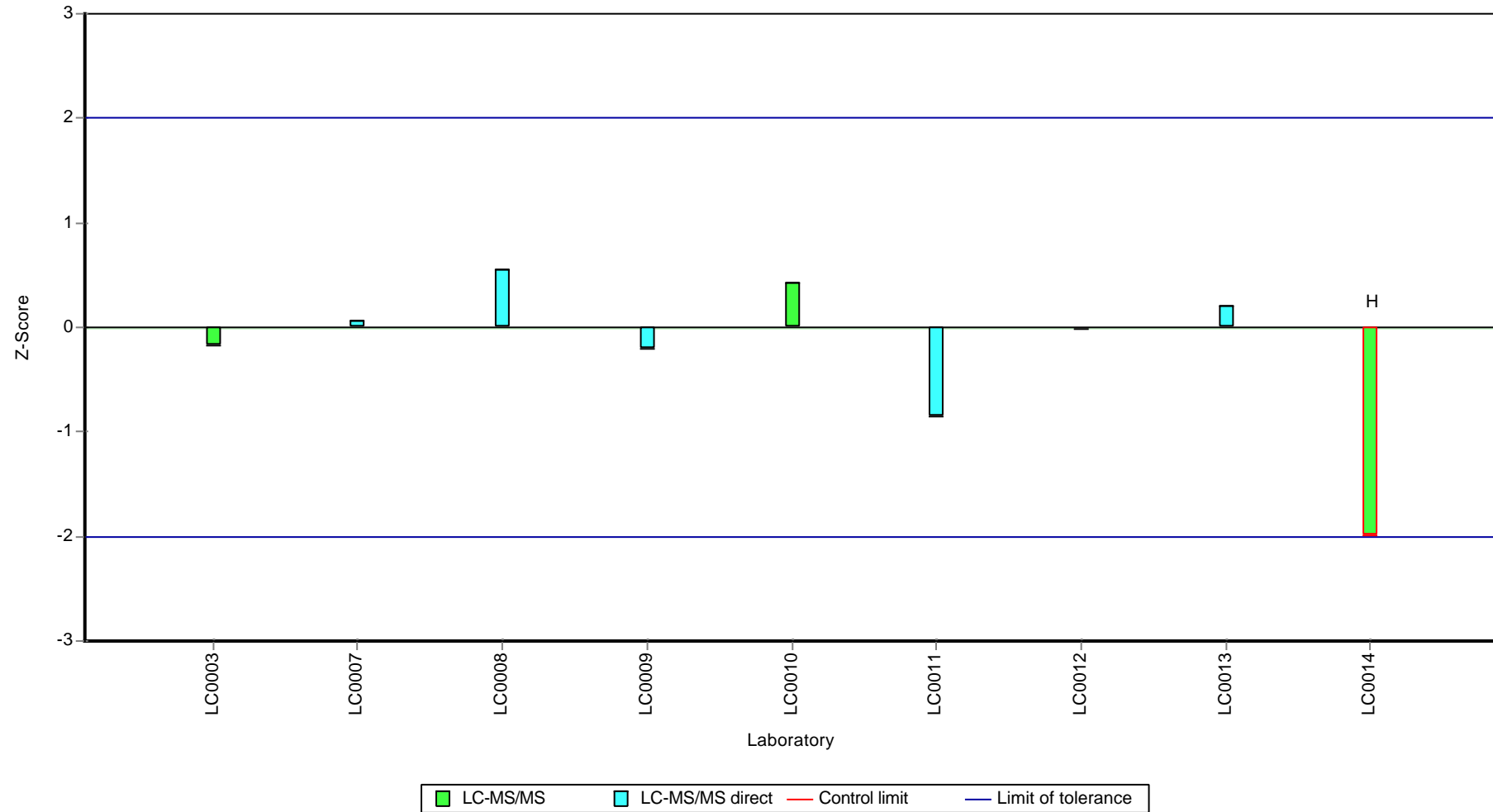
Recovery rate



Parameter oriented report Pesticides H119

Sample: H119B, Parameter: Metazachlor ethane sulfonic acid (Metazachlor-ESA)

Z-score



Parameter oriented report Pesticides H119

Sample: H119A, Parameter: Metazachlor oxanilic acid
(Metazachlor-OA)

Parameter oriented report

H119 A

Metazachlor oxanilic acid (Metazachlor-OA)

| | |
|------------------------------|----------------|
| Unit | µg/l |
| Assigned value ± U (k=2) | 0.345 ± 0.0304 |
| Criterion | 0.0725 (21 %) |
| Minimum - Maximum | 0.283 - 0.41 |
| Control test value ± U (k=2) | 0.418 ± 0.0835 |

| Labcode | Result | ± U | Recovery [%] | z-score | Comments |
|---------|--------|---------|--------------|---------|----------|
| LC0001 | - | - | - | - | |
| LC0002 | - | - | - | - | |
| LC0003 | 0.366 | 0.055 | 106 | 0.29 | |
| LC0004 | - | - | - | - | |
| LC0005 | - | - | - | - | |
| LC0006 | - | - | - | - | |
| LC0007 | 0.4076 | 0.1019 | 118 | 0.86 | |
| LC0008 | 0.344 | 0.03 | 99.7 | -0.01 | |
| LC0009 | 0.362 | 0.008 | 105 | 0.23 | |
| LC0010 | 0.41 | 0.11185 | 119 | 0.9 | |
| LC0011 | 0.283 | 0.051 | 82 | -0.86 | |
| LC0012 | 0.31 | 0.09 | 89.9 | -0.48 | |
| LC0013 | 0.3265 | 0.1125 | 94.6 | -0.26 | |
| LC0014 | 0.296 | 0.0888 | 85.8 | -0.68 | |
| LC0015 | - | - | - | - | |

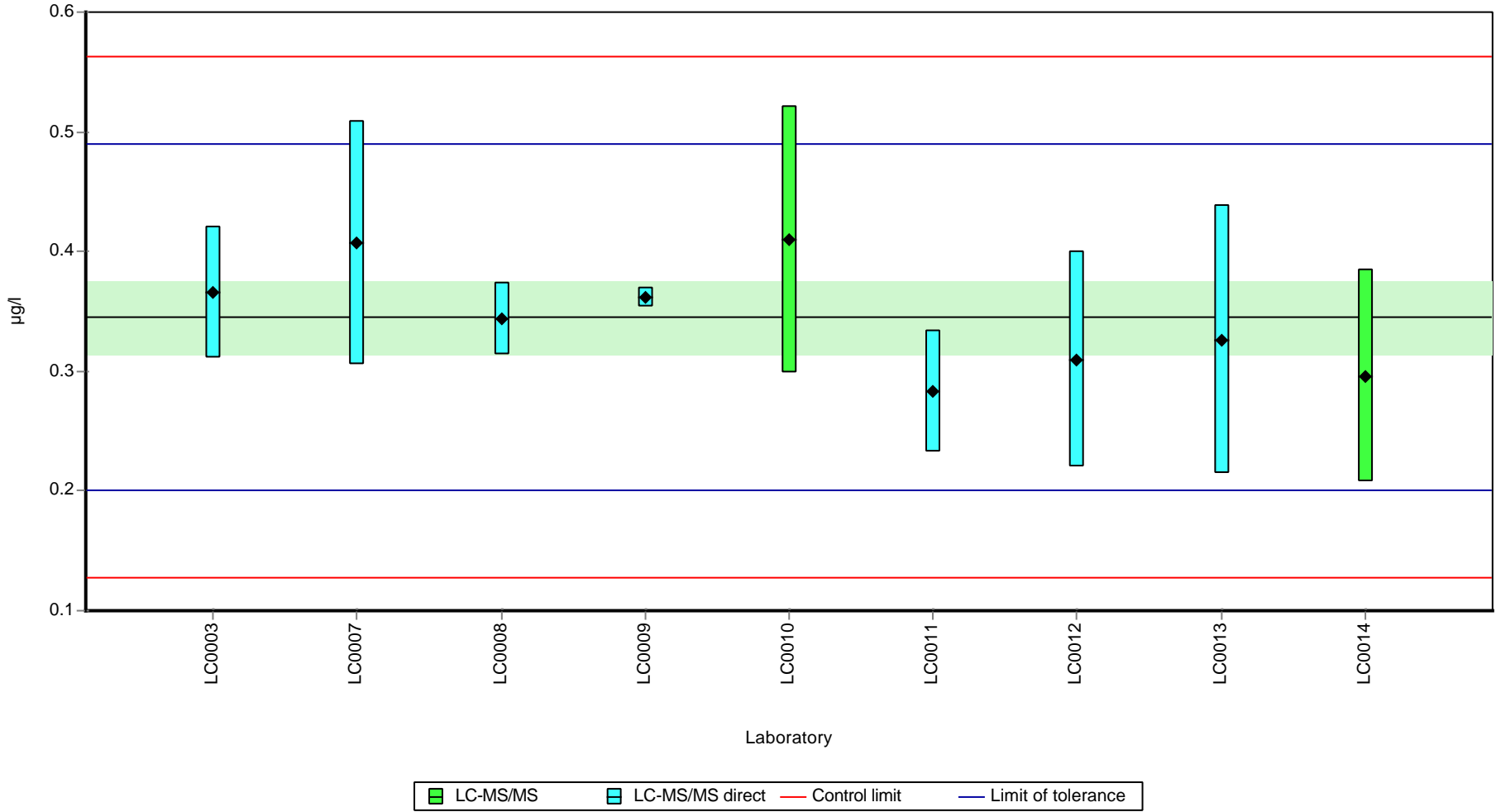
Characteristics of parameter

| | all results | without outliers | Unit |
|-------------------------|----------------|------------------|------|
| Mean ± CI (99%) | 0.345 ± 0.0457 | 0.345 ± 0.0457 | µg/l |
| Minimum | 0.283 | 0.283 | µg/l |
| Maximum | 0.41 | 0.41 | µg/l |
| Standard deviation | 0.0457 | 0.0457 | µg/l |
| rel. standard deviation | 13.2 | 13.2 | % |
| n | 9 | 9 | - |

Parameter oriented report Pesticides H119

Sample: H119A, Parameter: Metazachlor oxanilic acid (Metazachlor-OA)

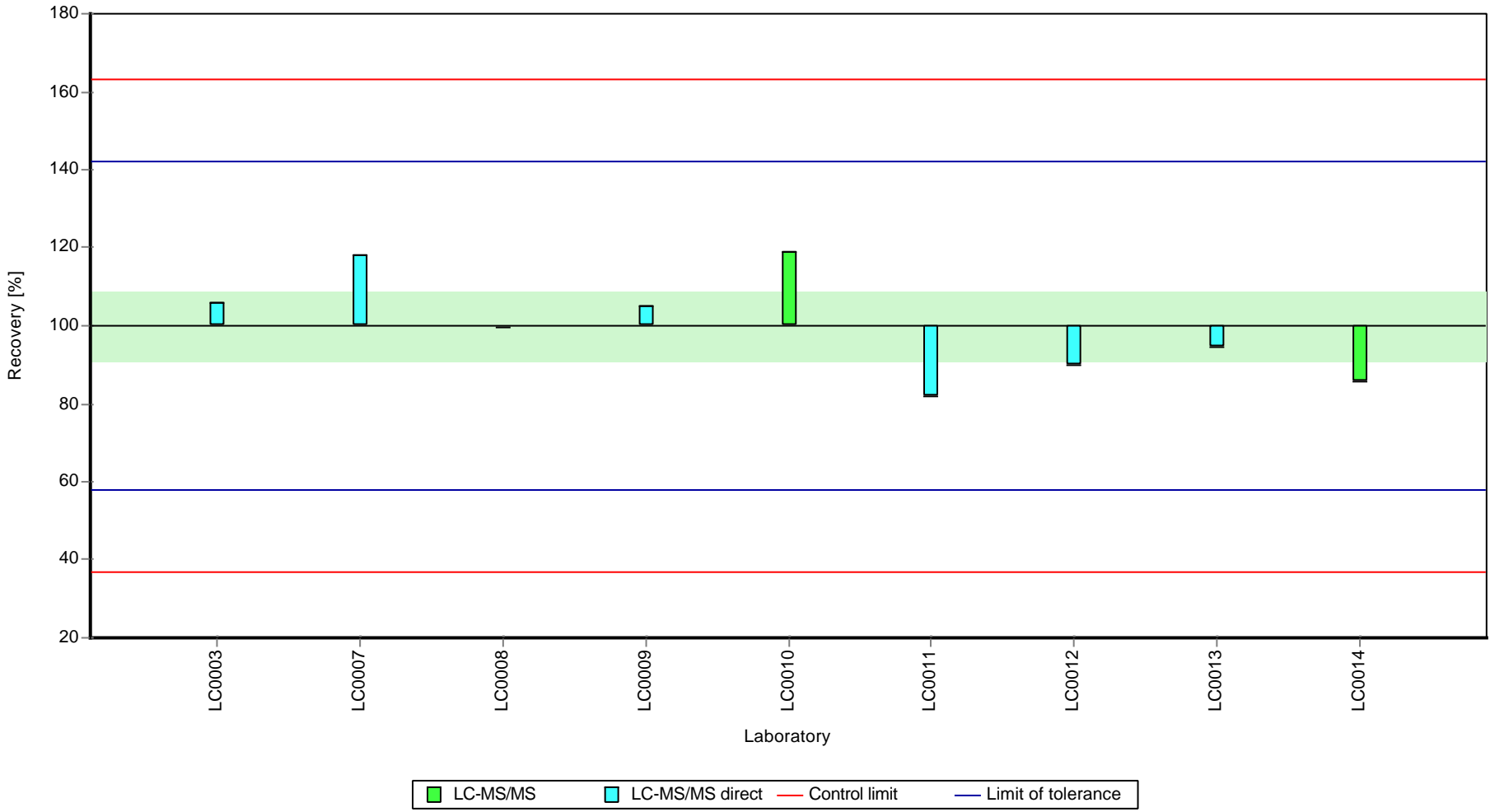
Graphical presentation of results
 Results



Parameter oriented report Pesticides H119

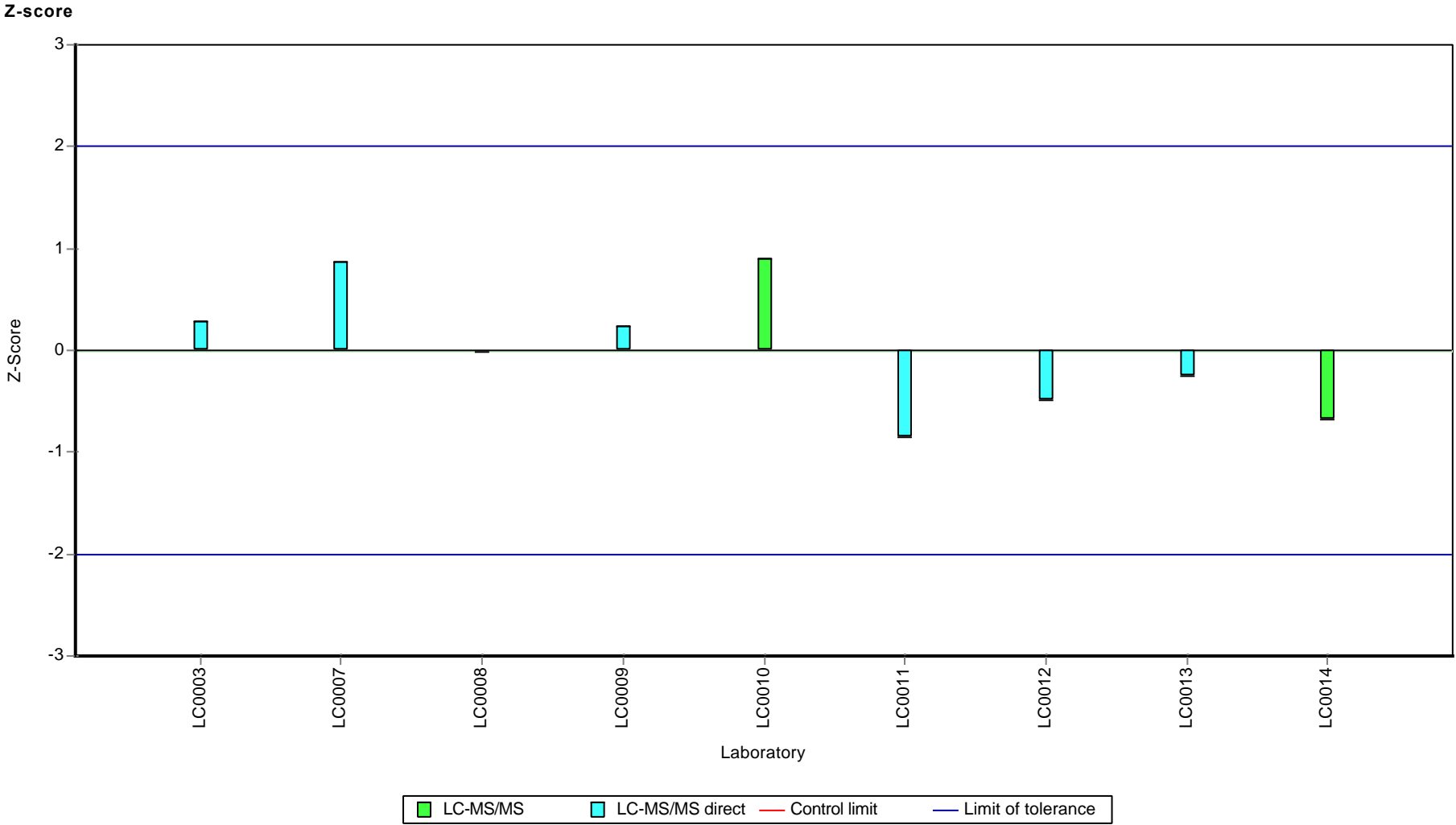
Sample: H119A, Parameter: Metazachlor oxanilic acid (Metazachlor-OA)

Recovery rate



Parameter oriented report Pesticides H119

Sample: H119A, Parameter: Metazachlor oxanilic acid (Metazachlor-OA)



Parameter oriented report Pesticides H119

Sample: H119B, Parameter: Metazachlor oxanilic acid
(Metazachlor-OA)

Parameter oriented report

H119 B

Metazachlor oxanilic acid (Metazachlor-OA)

| | |
|------------------------------|----------------|
| Unit | µg/l |
| Assigned value ± U (k=2) | 0.14 ± 0.0186 |
| Criterion | 0.0295 (21 %) |
| Minimum - Maximum | 0.113 - 0.179 |
| Control test value ± U (k=2) | 0.183 ± 0.0366 |

| Labcode | Result | ± U | Recovery [%] | z-score | Comments |
|---------|--------|---------|--------------|---------|----------|
| LC0001 | - | - | - | - | |
| LC0002 | - | - | - | - | |
| LC0003 | 0.161 | 0.025 | 115 | 0.7 | |
| LC0004 | - | - | - | - | |
| LC0005 | - | - | - | - | |
| LC0006 | - | - | - | - | |
| LC0007 | 0.1543 | 0.0386 | 110 | 0.48 | |
| LC0008 | 0.149 | 0.03 | 106 | 0.3 | |
| LC0009 | 0.141 | 0.008 | 101 | 0.02 | |
| LC0010 | 0.179 | 0.04883 | 128 | 1.31 | |
| LC0011 | 0.119 | 0.021 | 84.8 | -0.72 | |
| LC0012 | 0.12 | 0.04 | 85.5 | -0.69 | |
| LC0013 | 0.1319 | 0.0462 | 94 | -0.28 | |
| LC0014 | 0.113 | 0.0339 | 80.5 | -0.93 | |
| LC0015 | - | - | - | - | |

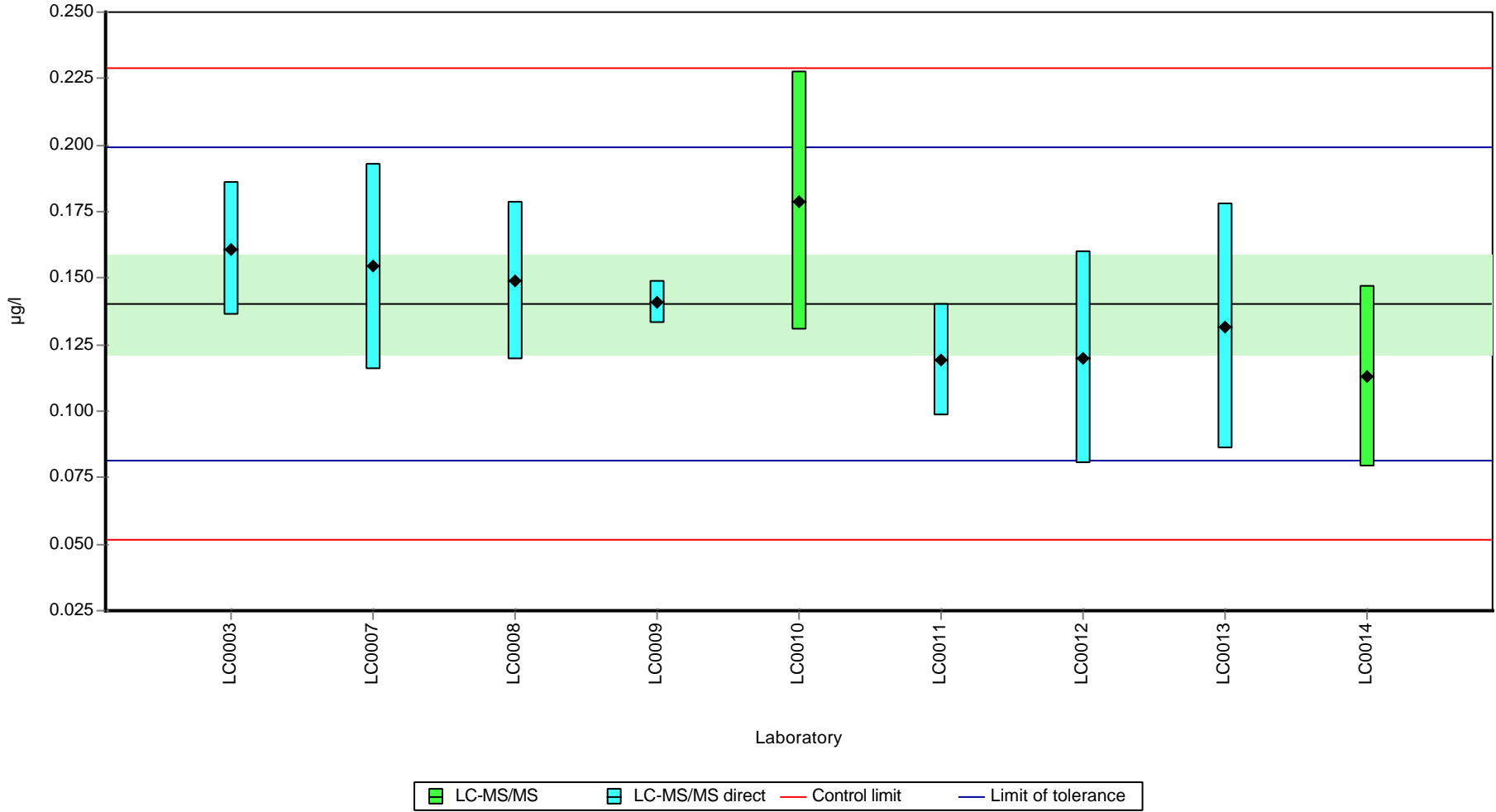
Characteristics of parameter

| | all results | without outliers | Unit |
|-------------------------|---------------|------------------|------|
| Mean ± CI (99%) | 0.141 ± 0.022 | 0.141 ± 0.022 | µg/l |
| Minimum | 0.113 | 0.113 | µg/l |
| Maximum | 0.179 | 0.179 | µg/l |
| Standard deviation | 0.022 | 0.022 | µg/l |
| rel. standard deviation | 15.6 | 15.6 | % |
| n | 9 | 9 | - |

Parameter oriented report Pesticides H119

Sample: H119B, Parameter: Metazachlor oxanilic acid (Metazachlor-OA)

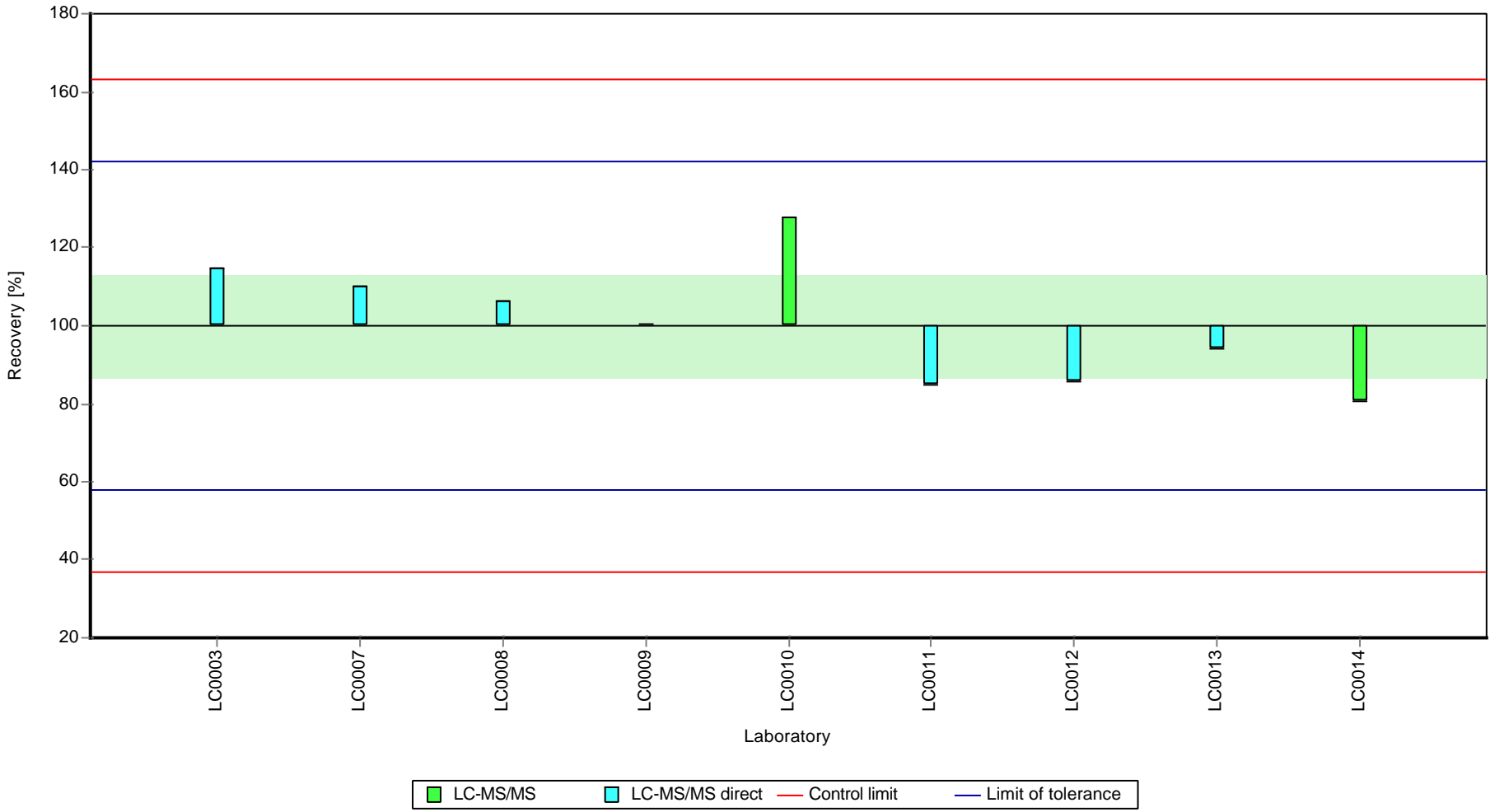
Graphical presentation of results
 Results



Parameter oriented report Pesticides H119

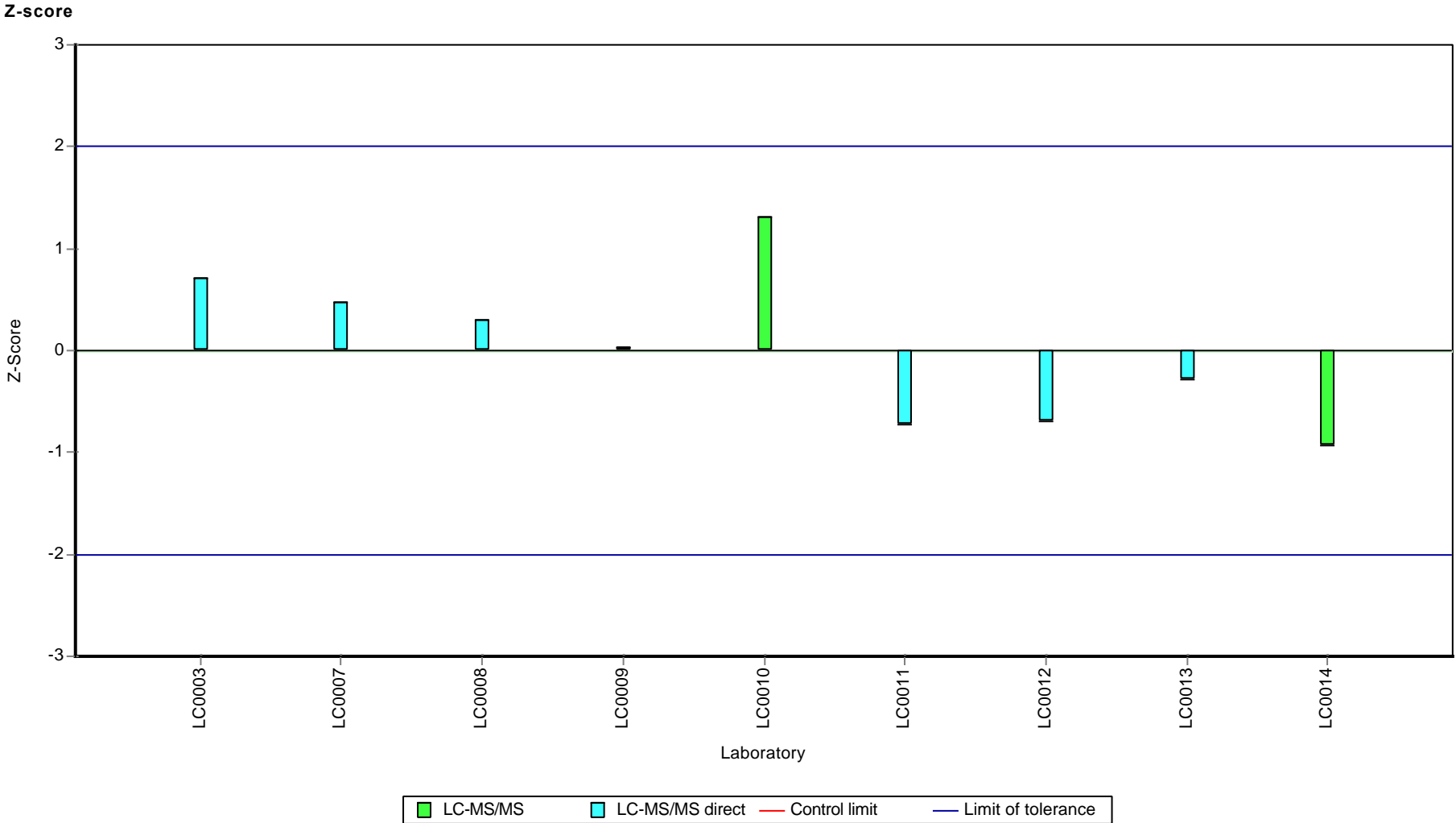
Sample: H119B, Parameter: Metazachlor oxanilic acid (Metazachlor-OA)

Recovery rate



Parameter oriented report Pesticides H119

Sample: H119B, Parameter: Metazachlor oxanilic acid (Metazachlor-OA)



Parameter oriented report Pesticides H119

Sample: H119A, Parameter: Metolachlor

Parameter oriented report

H119 A

Metolachlor

| | |
|------------------------------|----------------|
| Unit | µg/l |
| Assigned value ± U (k=2) | 0.123 ± 0.0045 |
| Criterion | 0.0185 (15 %) |
| Minimum - Maximum | 0.114 - 0.135 |
| Control test value ± U (k=2) | 0.159 ± 0.0634 |

| Labcode | Result | ± U | Recovery [%] | z-score | Comments |
|---------|--------|---------|--------------|---------|----------|
| LC0001 | 0.129 | 0.019 | 105 | 0.32 | |
| LC0002 | 0.119 | 0.002 | 96.6 | -0.22 | |
| LC0003 | 0.114 | 0.02 | 92.6 | -0.49 | |
| LC0004 | - | - | - | - | |
| LC0005 | 0.194 | 0.043 | 158 | 3.84 | H |
| LC0006 | - | - | - | - | |
| LC0007 | 0.1311 | 0.0328 | 106 | 0.43 | |
| LC0008 | 0.127 | 0.03 | 103 | 0.21 | |
| LC0009 | 0.119 | 0.002 | 96.6 | -0.22 | |
| LC0010 | 0.122 | 0.02003 | 99.1 | -0.06 | |
| LC0011 | 0.115 | 0.021 | 93.4 | -0.44 | |
| LC0012 | 0.12 | 0.03 | 97.5 | -0.17 | |
| LC0013 | 0.1353 | 0.0162 | 110 | 0.66 | |
| LC0014 | - | - | - | - | |
| LC0015 | - | - | - | - | |

Characteristics of parameter

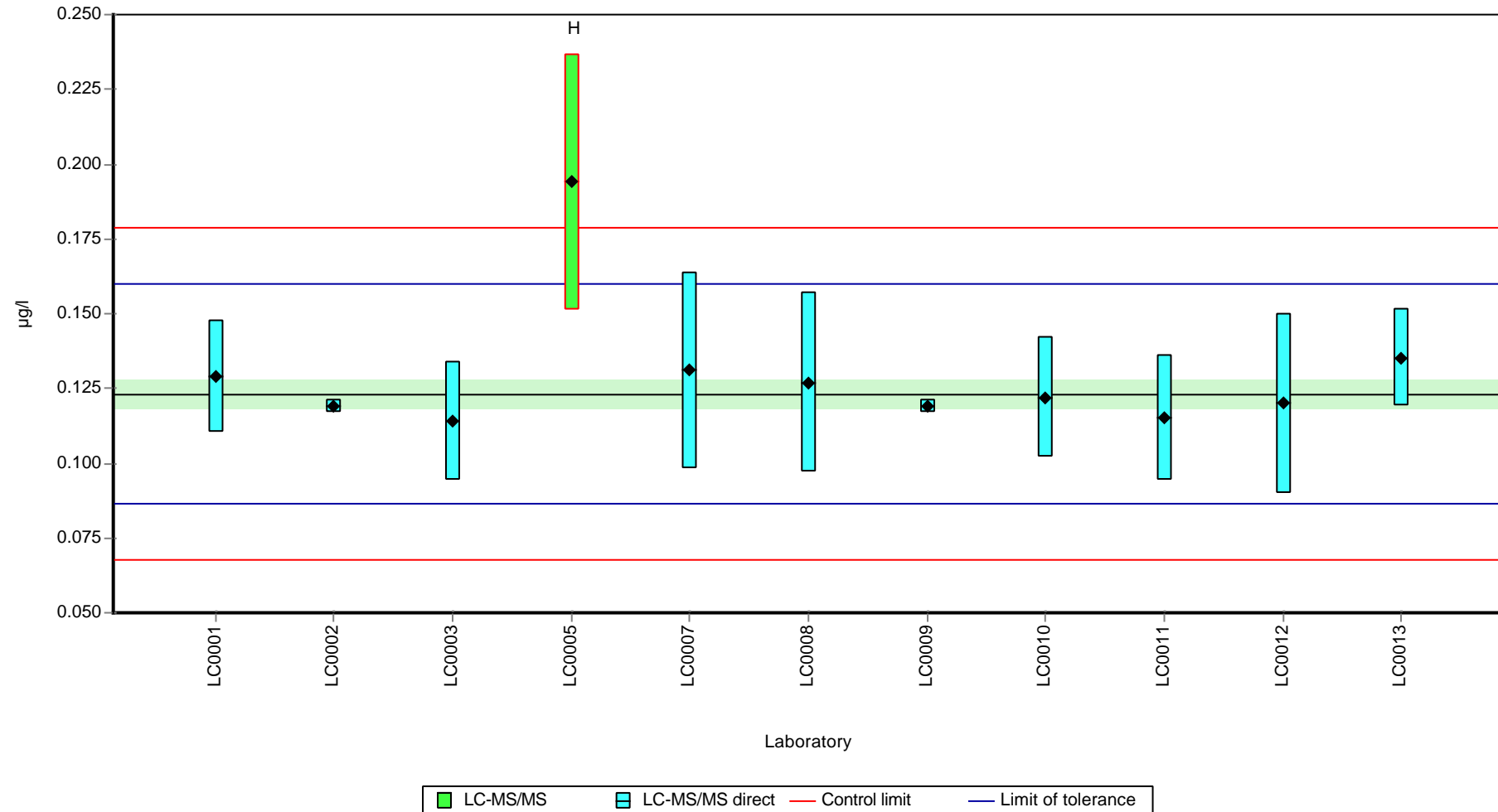
| | all results | without outliers | Unit |
|-------------------------|---------------|------------------|------|
| Mean ± CI (99%) | 0.13 ± 0.0203 | 0.123 ± 0.00675 | µg/l |
| Minimum | 0.114 | 0.114 | µg/l |
| Maximum | 0.194 | 0.135 | µg/l |
| Standard deviation | 0.0224 | 0.00712 | µg/l |
| rel. standard deviation | 17.3 | 5.78 | % |
| n | 11 | 10 | - |

Parameter oriented report Pesticides H119

Sample: H119A, Parameter: Metolachlor

Graphical presentation of results

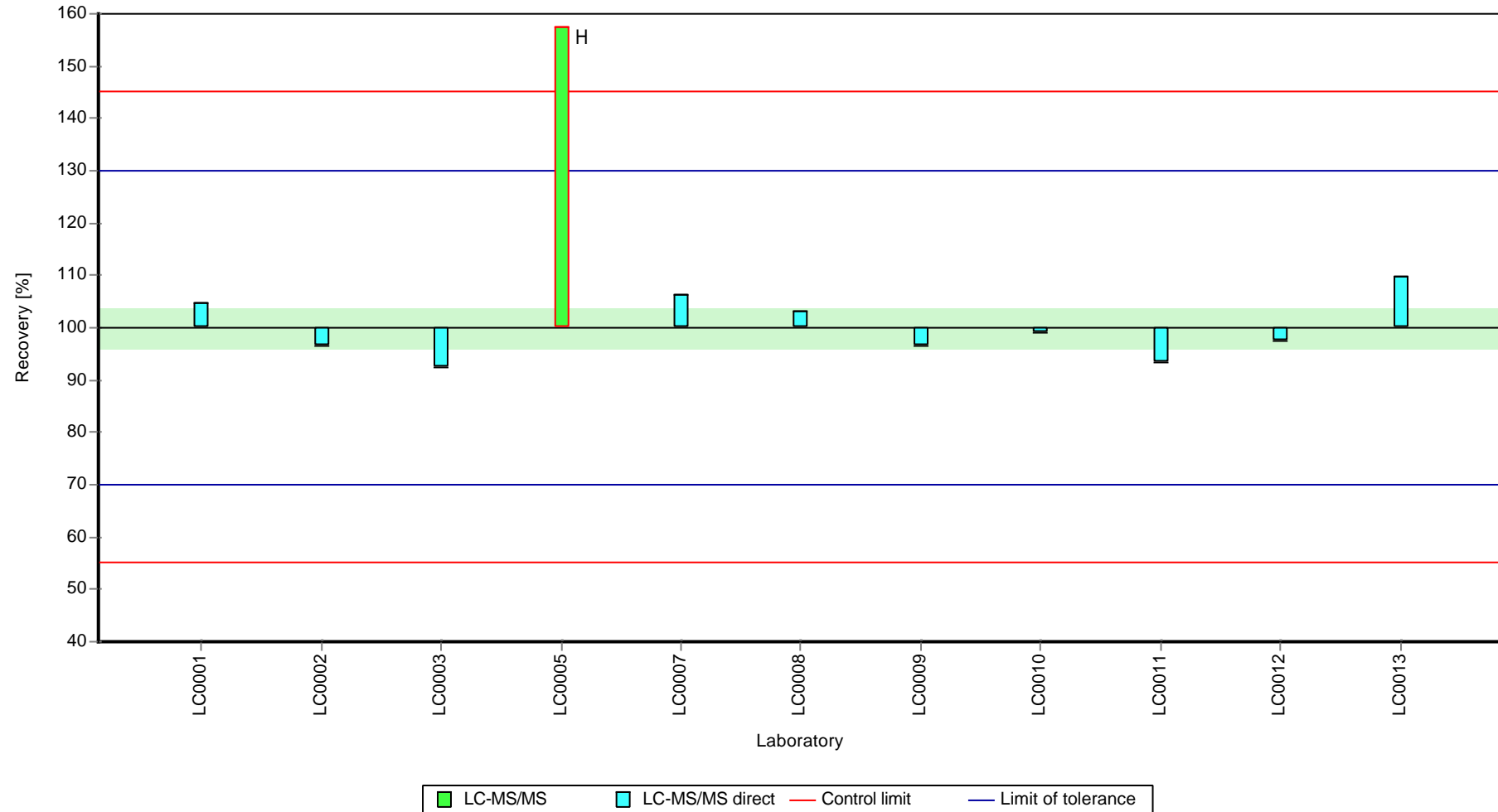
Results



Parameter oriented report Pesticides H119

Sample: H119A, Parameter: Metolachlor

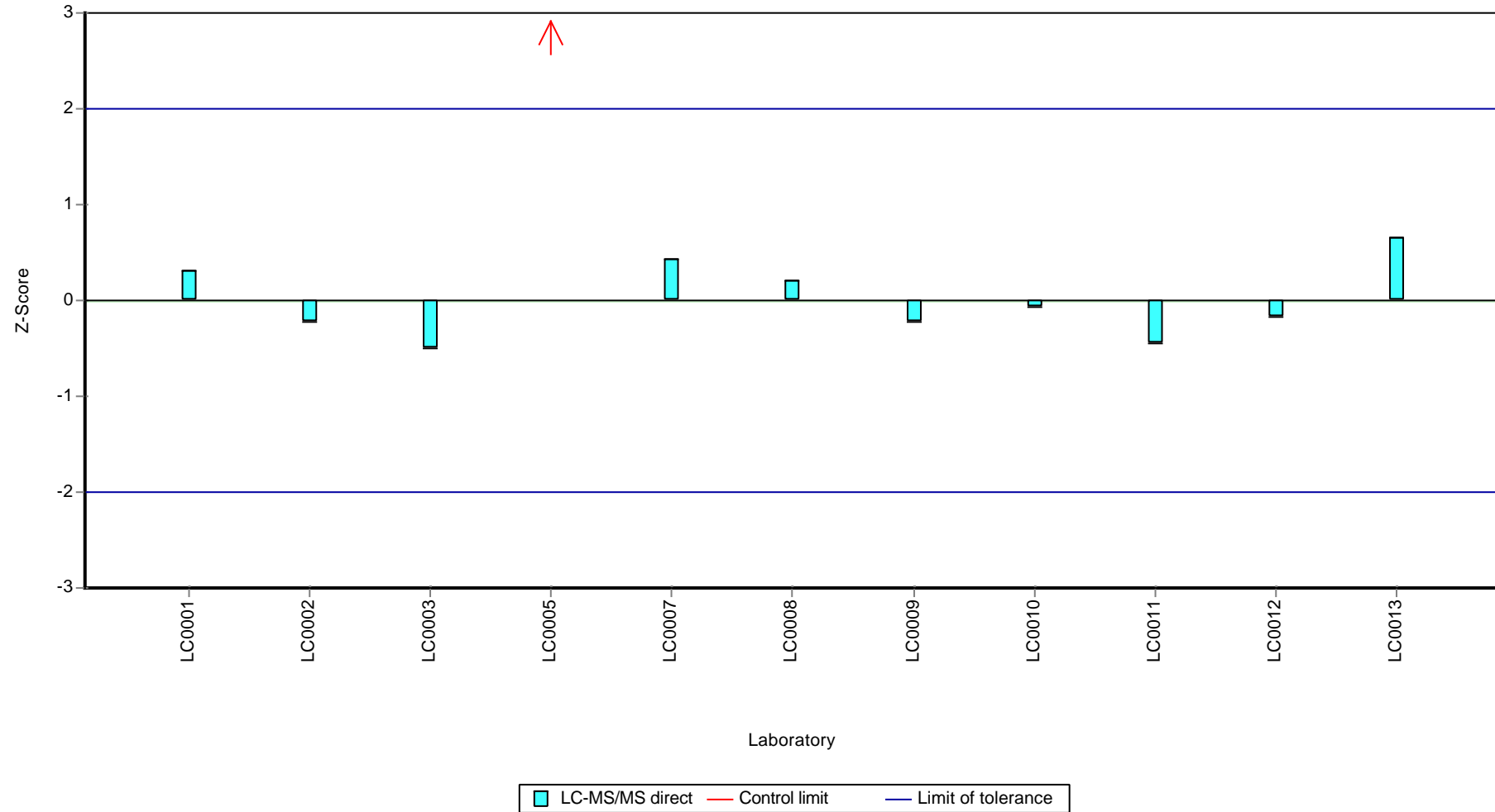
Recovery rate



Parameter oriented report Pesticides H119

Sample: H119A, Parameter: Metolachlor

Z-score



Parameter oriented report Pesticides H119

Sample: H119B, Parameter: Metolachlor

Parameter oriented report

H119 B

Metolachlor

| | |
|------------------------------|----------------|
| Unit | µg/l |
| Assigned value ± U (k=2) | 0.378 ± 0.0128 |
| Criterion | 0.0567 (15 %) |
| Minimum - Maximum | 0.354 - 0.411 |
| Control test value ± U (k=2) | 0.481 ± 0.192 |

| Labcode | Result | ± U | Recovery [%] | z-score | Comments |
|---------|--------|---------|--------------|---------|----------|
| LC0001 | 0.4 | 0.06 | 106 | 0.39 | |
| LC0002 | 0.368 | 0.008 | 97.4 | -0.17 | |
| LC0003 | 0.359 | 0.055 | 95.1 | -0.33 | |
| LC0004 | - | - | - | - | |
| LC0005 | 0.554 | 0.122 | 147 | 3.11 | H |
| LC0006 | - | - | - | - | |
| LC0007 | 0.4057 | 0.1014 | 107 | 0.49 | |
| LC0008 | 0.375 | 0.1 | 99.3 | -0.05 | |
| LC0009 | 0.365 | 0.003 | 96.6 | -0.22 | |
| LC0010 | 0.369 | 0.06059 | 97.7 | -0.15 | |
| LC0011 | 0.354 | 0.064 | 93.7 | -0.42 | |
| LC0012 | 0.37 | 0.11 | 98 | -0.14 | |
| LC0013 | 0.4112 | 0.0452 | 109 | 0.59 | |
| LC0014 | - | - | - | - | |
| LC0015 | - | - | - | - | |

Characteristics of parameter

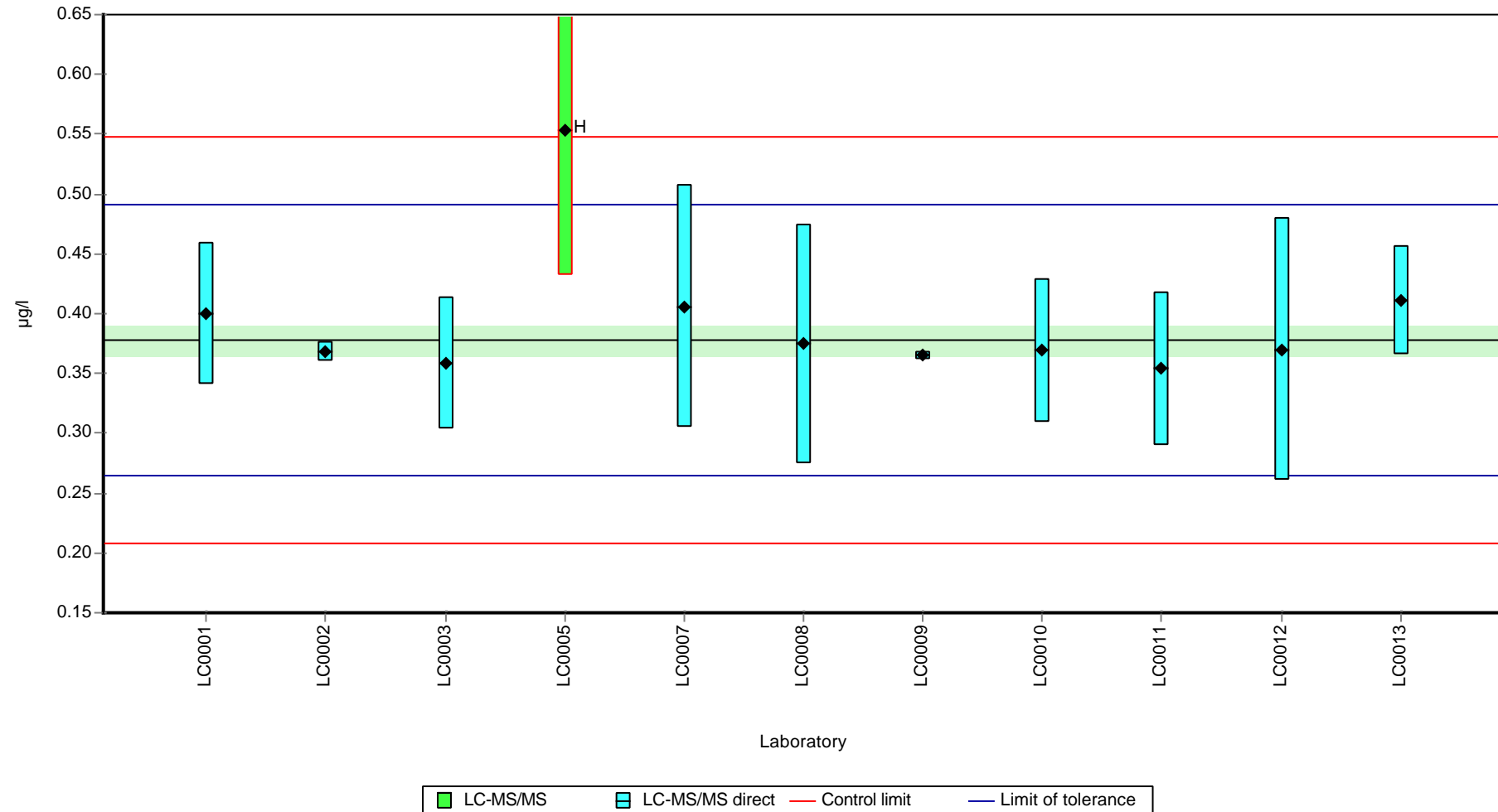
| | all results | w without outliers | Unit |
|-------------------------|----------------|--------------------|------|
| Mean ± CI (99%) | 0.394 ± 0.0511 | 0.378 ± 0.0193 | µg/l |
| Minimum | 0.354 | 0.354 | µg/l |
| Maximum | 0.554 | 0.411 | µg/l |
| Standard deviation | 0.0565 | 0.0203 | µg/l |
| rel. standard deviation | 14.4 | 5.38 | % |
| n | 11 | 10 | - |

Parameter oriented report Pesticides H119

Sample: H119B, Parameter: Metolachlor

Graphical presentation of results

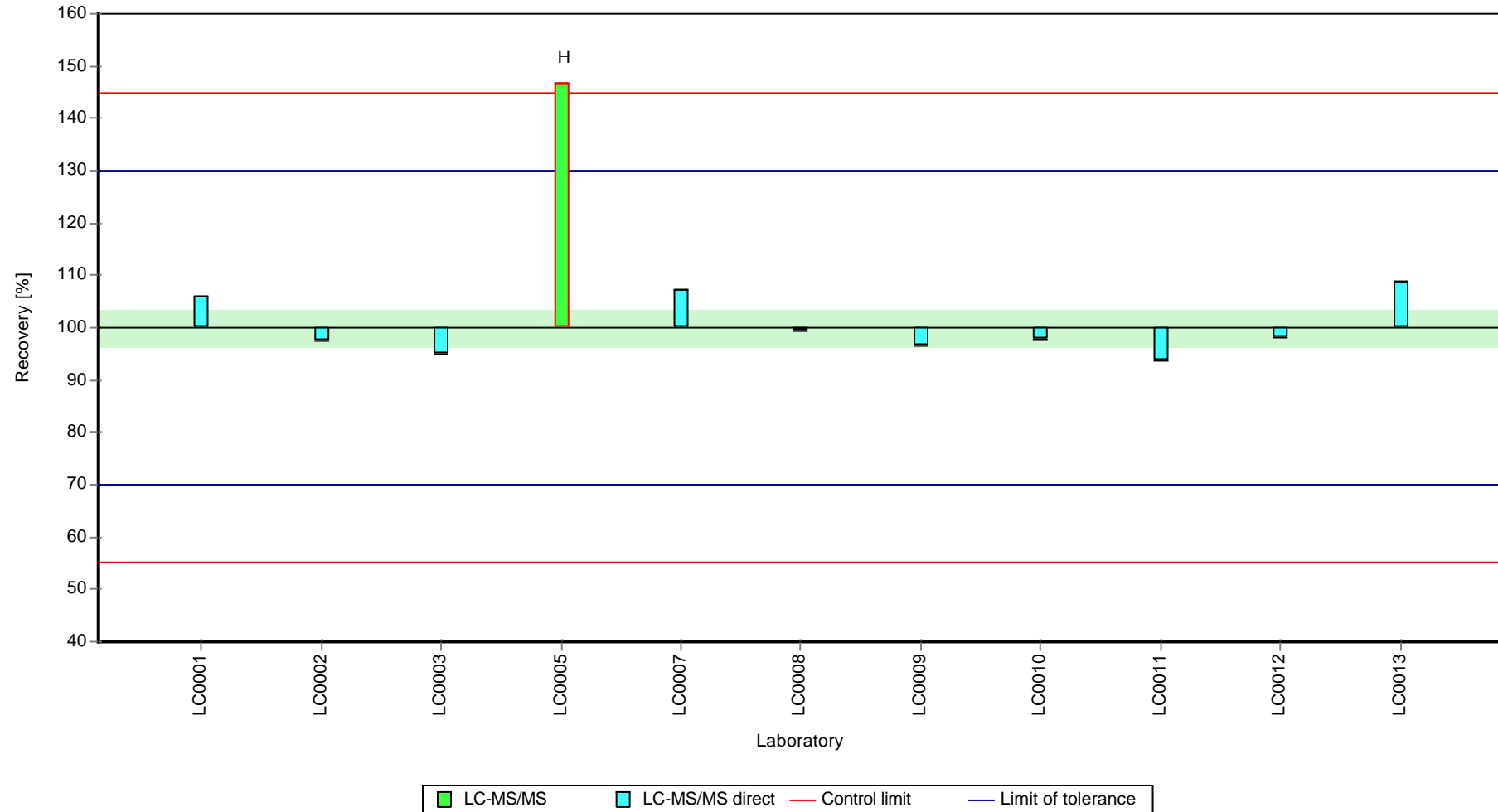
Results



Parameter oriented report Pesticides H119

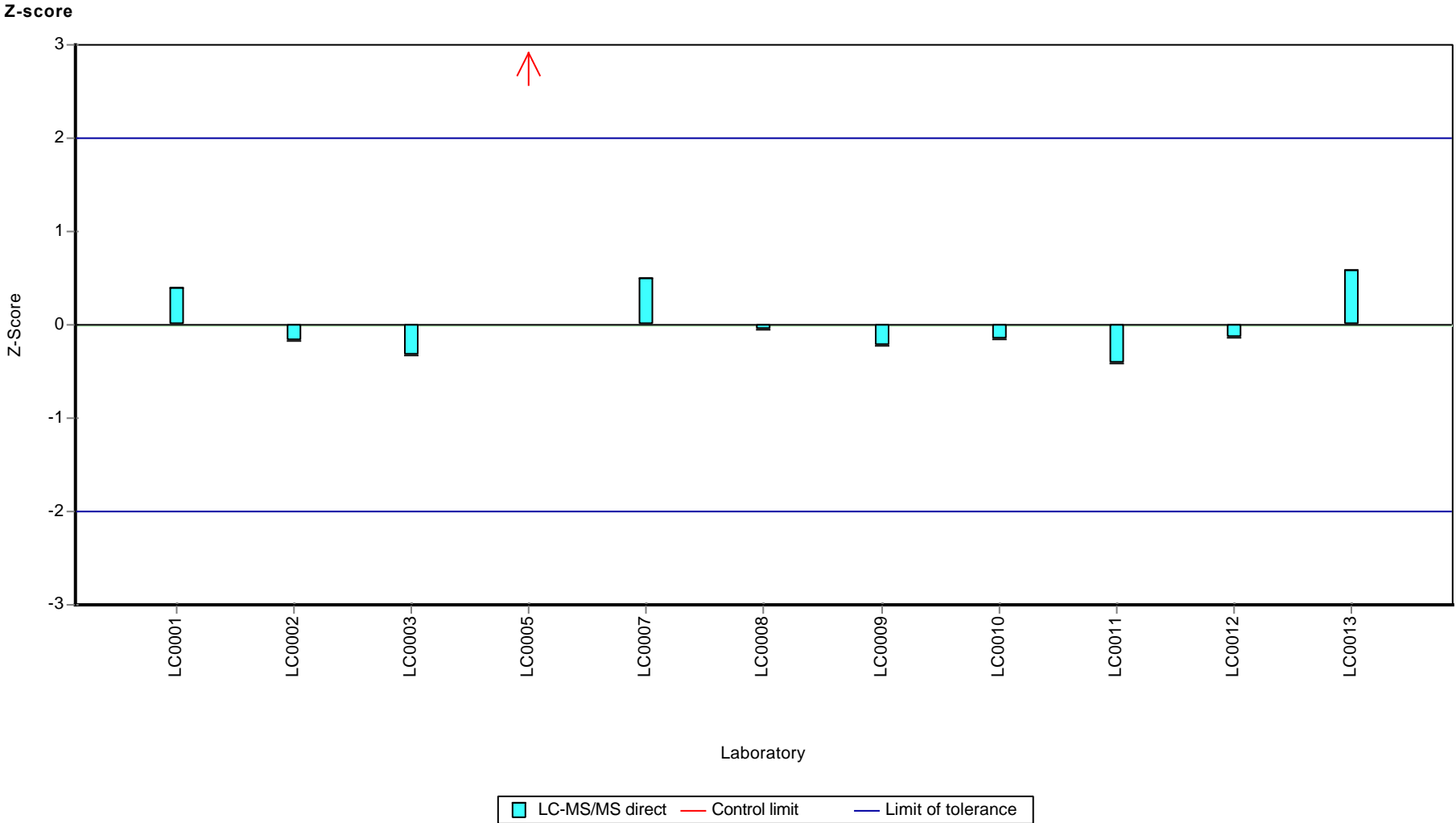
Sample: H119B, Parameter: Metolachlor

Recovery rate



Parameter oriented report Pesticides H119

Sample: H119B, Parameter: Metolachlor



Parameter oriented report Pesticides H119

Sample: H119A, Parameter: s-Metolachlor
ethanesulfonic acid (Metolachlor-ESA)

Parameter oriented report

H119 A

s-Metolachlor ethanesulfonic acid (Metolachlor-ESA)

| | |
|------------------------------|----------------|
| Unit | µg/l |
| Assigned value ± U (k=2) | 0.333 ± 0.0193 |
| Criterion | 0.0666 (20 %) |
| Minimum - Maximum | 0.278 - 0.37 |
| Control test value ± U (k=2) | 0.397 ± 0.0794 |

| Labcode | Result | ± U | Recovery [%] | z-score | Comments |
|---------|--------|--------|--------------|---------|----------|
| LC0001 | - | - | - | - | |
| LC0002 | - | - | - | - | |
| LC0003 | 0.355 | 0.055 | 107 | 0.33 | |
| LC0004 | - | - | - | - | |
| LC0005 | 0.511 | 0.112 | 153 | 2.67 | H |
| LC0006 | - | - | - | - | |
| LC0007 | 0.34 | 0.085 | 102 | 0.1 | |
| LC0008 | 0.336 | 0.05 | 101 | 0.04 | |
| LC0009 | 0.341 | 0.024 | 102 | 0.12 | |
| LC0010 | 0.327 | 0.0982 | 98.1 | -0.09 | |
| LC0011 | 0.278 | 0.05 | 83.4 | -0.83 | |
| LC0012 | 0.37 | 0.12 | 111 | 0.55 | |
| LC0013 | 0.3187 | 0.0684 | 95.6 | -0.22 | |
| LC0014 | - | - | - | - | |
| LC0015 | - | - | - | - | |

Characteristics of parameter

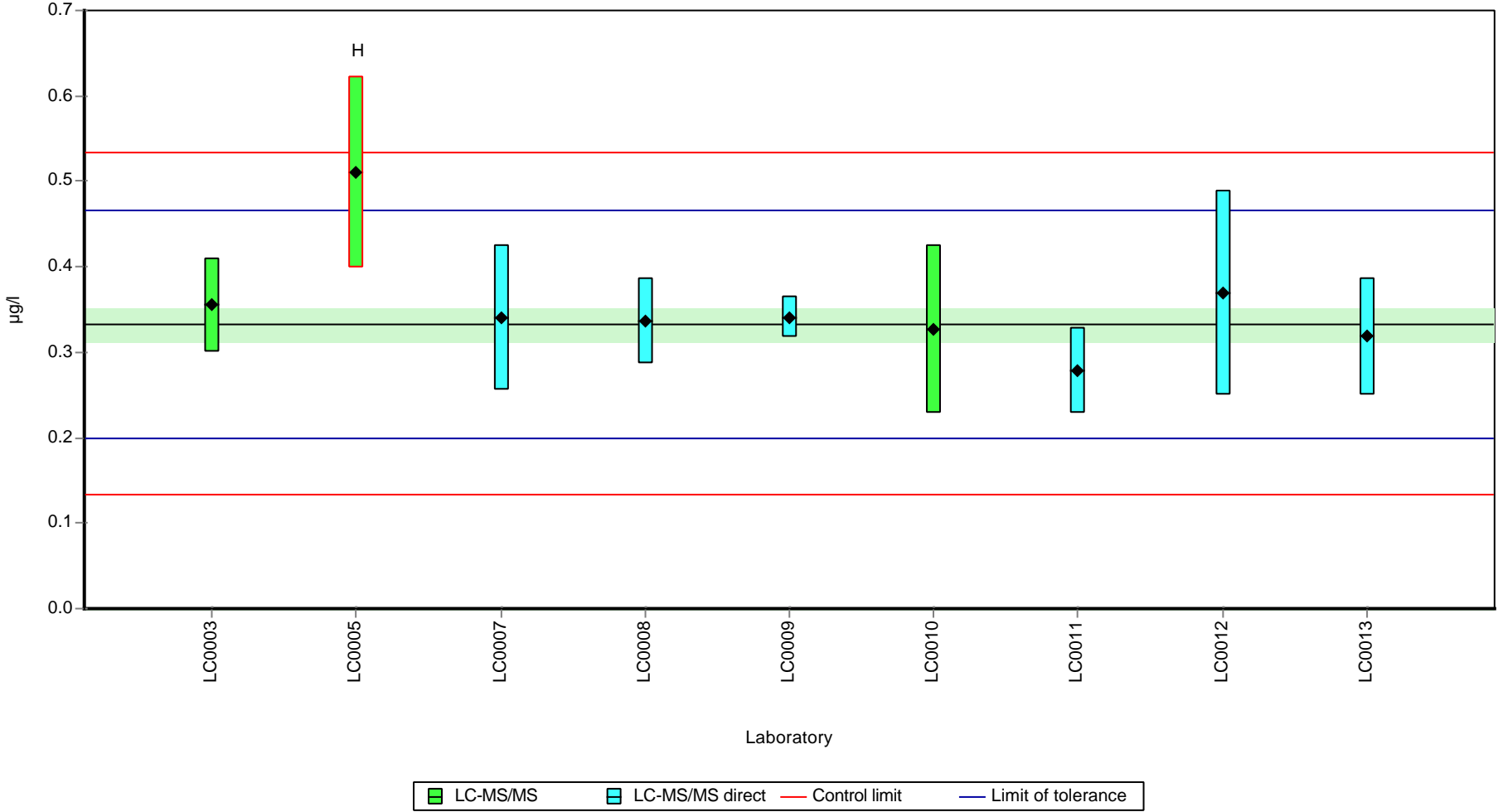
| | all results | without outliers | Unit |
|-------------------------|----------------|------------------|------|
| Mean ± CI (99%) | 0.353 ± 0.0646 | 0.333 ± 0.029 | µg/l |
| Minimum | 0.278 | 0.278 | µg/l |
| Maximum | 0.511 | 0.37 | µg/l |
| Standard deviation | 0.0646 | 0.0274 | µg/l |
| rel. standard deviation | 18.3 | 8.21 | % |
| n | 9 | 8 | - |

Parameter oriented report Pesticides H119

Sample: H119A, Parameter: s-Metolachlor ethanesulfonic acid (Metolachlor-ESA)

Graphical presentation of results

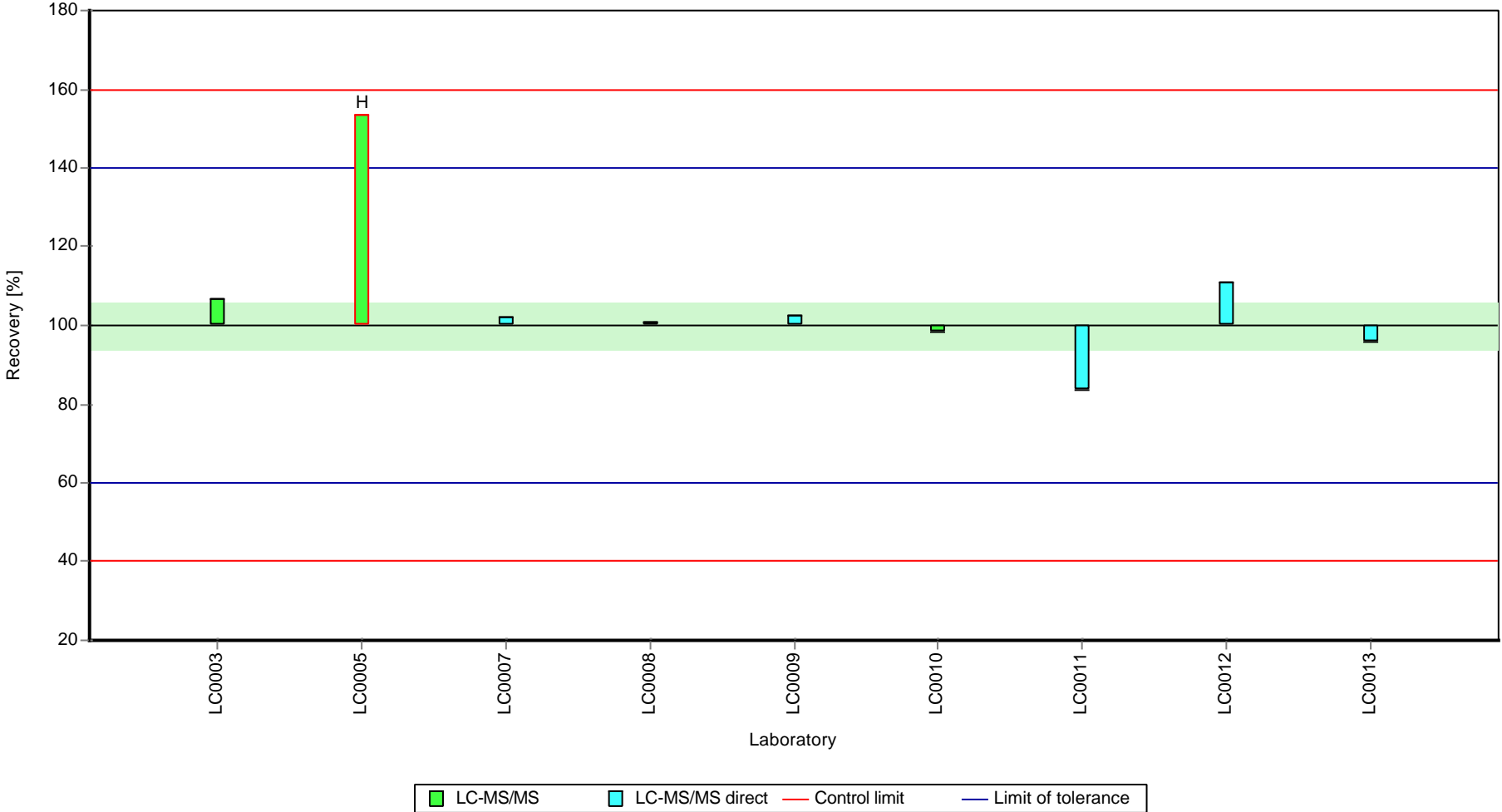
Results



Parameter oriented report Pesticides H119

Sample: H119A, Parameter: s-Metolachlor ethanesulfonic acid (Metolachlor-ESA)

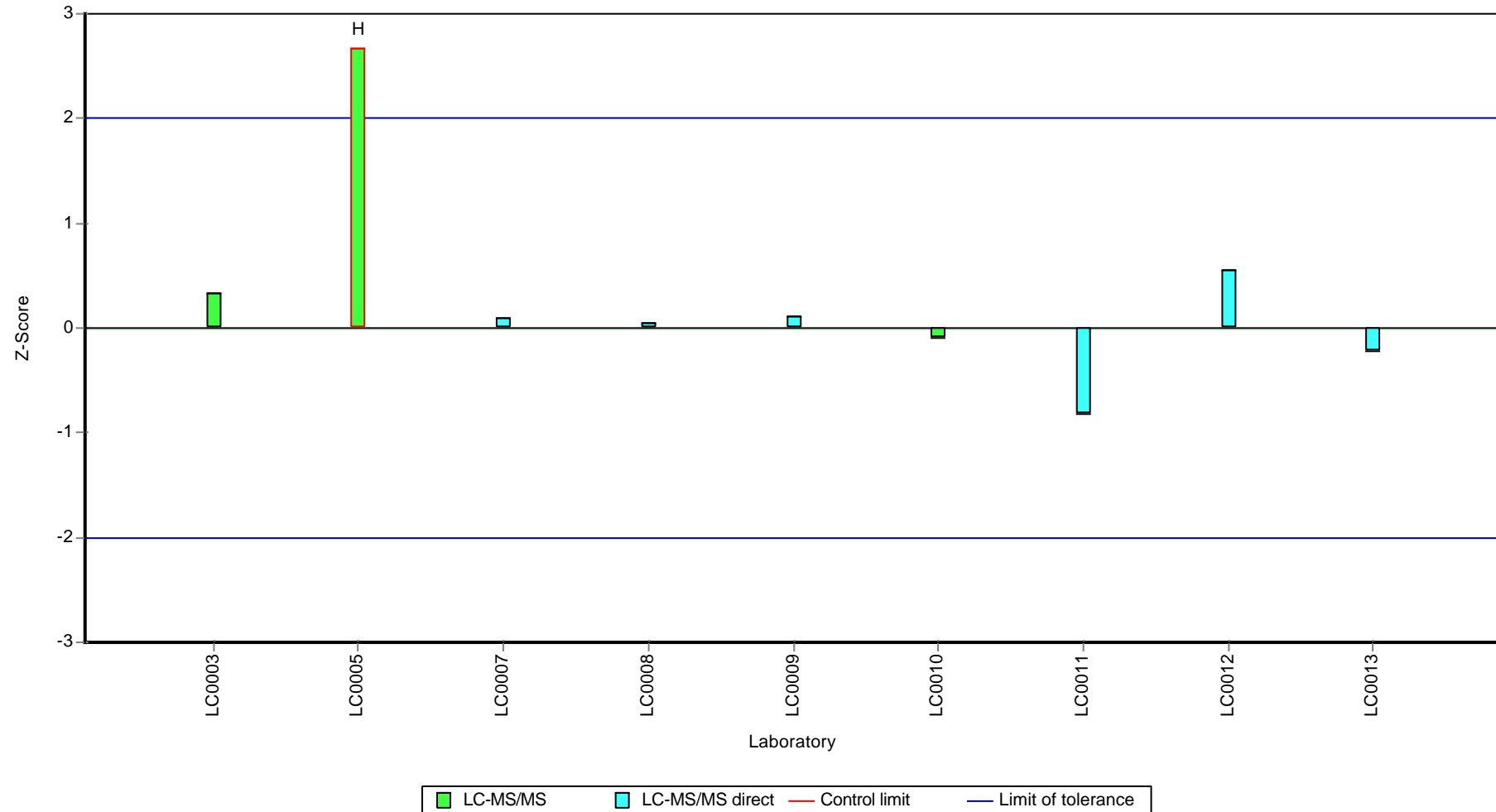
Recovery rate



Parameter oriented report Pesticides H119

Sample: H119A, Parameter: s-Metolachlor ethanesulfonic acid (Metolachlor-ESA)

Z-score



Parameter oriented report Pesticides H119

Sample: H119B, Parameter: s-Metolachlor
ethanesulfonic acid (Metolachlor-ESA)

Parameter oriented report

H119 B

s-Metolachlor ethanesulfonic acid (Metolachlor-ESA)

| | |
|------------------------------|----------------|
| Unit | µg/l |
| Assigned value ± U (k=2) | 0.222 ± 0.0102 |
| Criterion | 0.0443 (20 %) |
| Minimum - Maximum | 0.194 - 0.24 |
| Control test value ± U (k=2) | 0.273 ± 0.0547 |

| Labcode | Result | ± U | Recovery [%] | z-score | Comments |
|---------|--------|---------|--------------|---------|----------|
| LC0001 | - | - | - | - | |
| LC0002 | - | - | - | - | |
| LC0003 | 0.236 | 0.04 | 107 | 0.33 | |
| LC0004 | - | - | - | - | |
| LC0005 | 0.34 | 0.075 | 153 | 2.67 | H |
| LC0006 | - | - | - | - | |
| LC0007 | 0.2214 | 0.0554 | 99.9 | 0.00 | |
| LC0008 | 0.24 | 0.03 | 108 | 0.42 | |
| LC0009 | 0.217 | 0.023 | 97.9 | -0.1 | |
| LC0010 | 0.221 | 0.06637 | 99.7 | -0.01 | |
| LC0011 | 0.194 | 0.035 | 87.6 | -0.62 | |
| LC0012 | 0.23 | 0.07 | 104 | 0.19 | |
| LC0013 | 0.2133 | 0.0383 | 96.3 | -0.19 | |
| LC0014 | - | - | - | - | |
| LC0015 | - | - | - | - | |

Characteristics of parameter

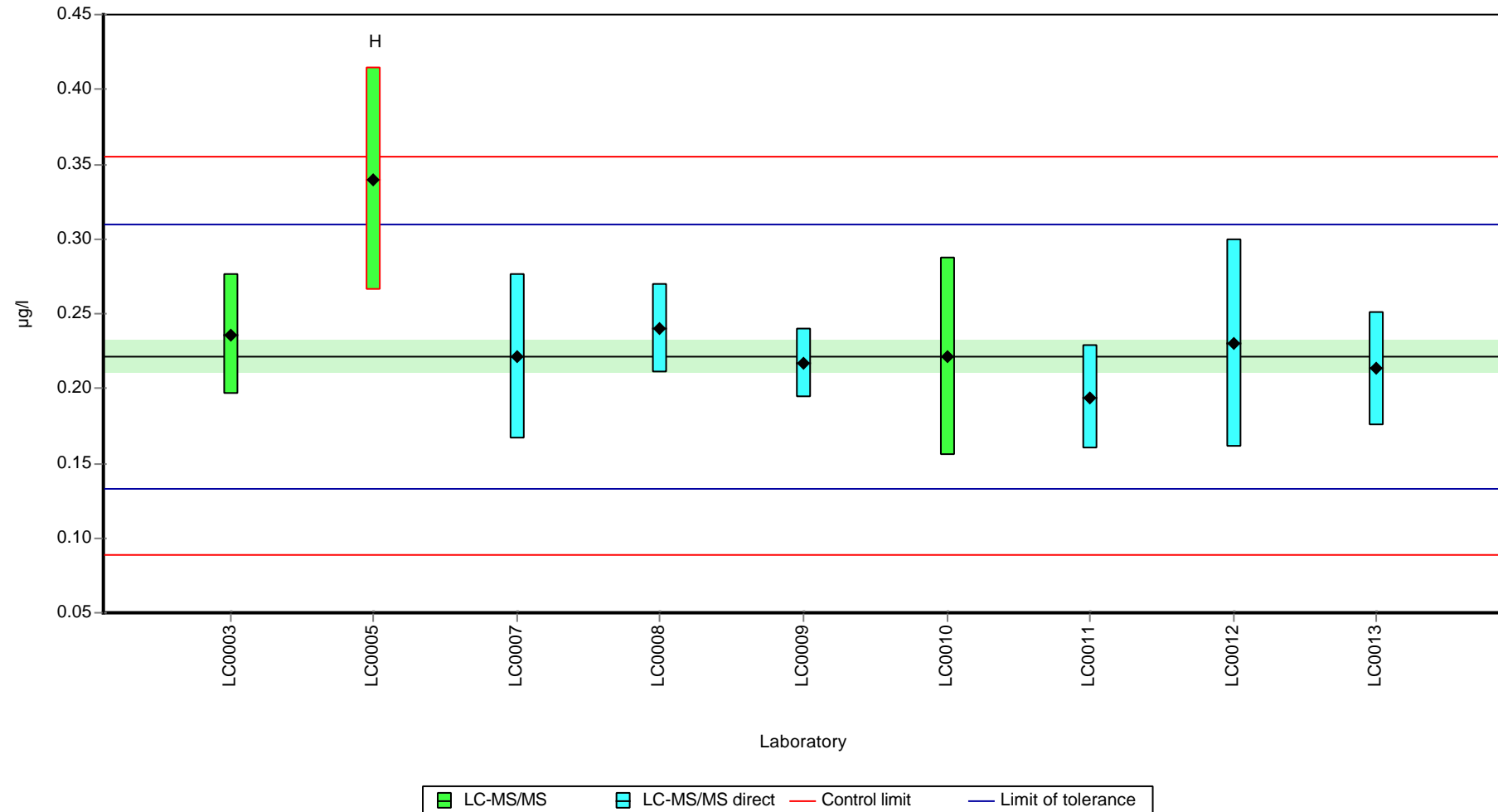
| | all results | without outliers | Unit |
|-------------------------|----------------|------------------|------|
| Mean ± CI (99%) | 0.235 ± 0.0417 | 0.222 ± 0.0154 | µg/l |
| Minimum | 0.194 | 0.194 | µg/l |
| Maximum | 0.34 | 0.24 | µg/l |
| Standard deviation | 0.0417 | 0.0145 | µg/l |
| rel. standard deviation | 17.8 | 6.54 | % |
| n | 9 | 8 | - |

Parameter oriented report Pesticides H119

Sample: H119B, Parameter: s-Metolachlor ethanesulfonic acid (Metolachlor-ESA)

Graphical presentation of results

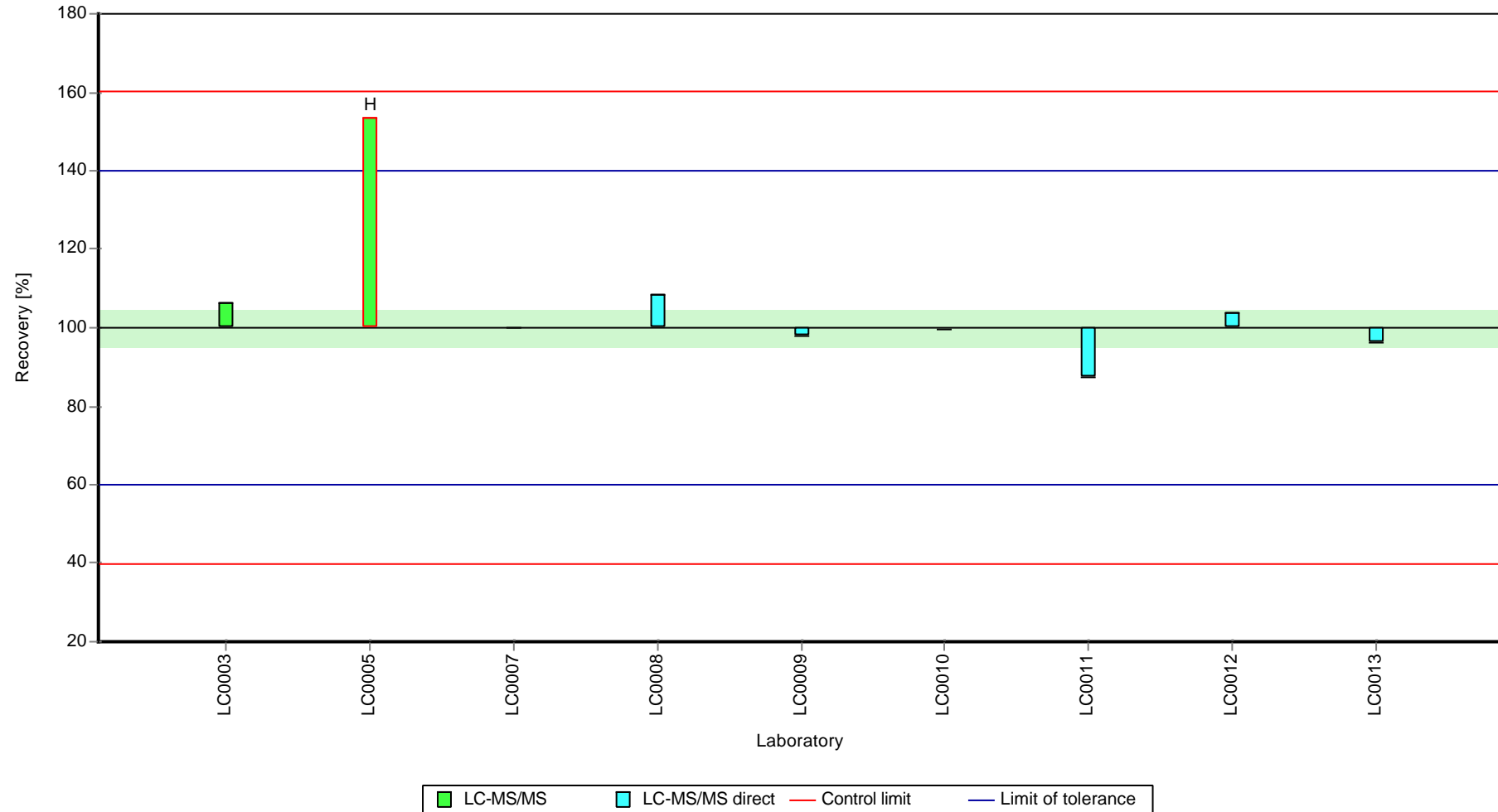
Results



Parameter oriented report Pesticides H119

Sample: H119B, Parameter: s-Metolachlor ethanesulfonic acid (Metolachlor-ESA)

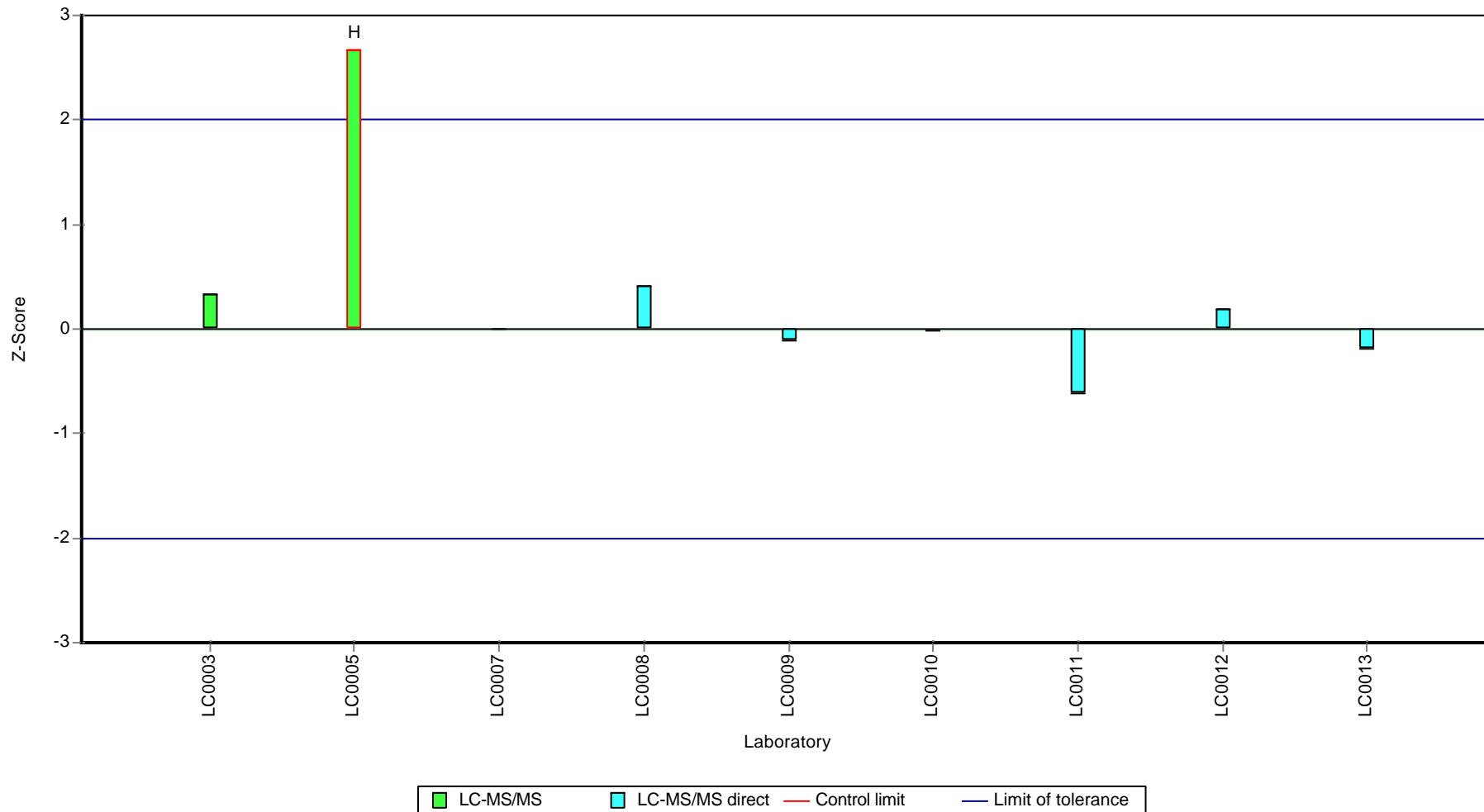
Recovery rate



Parameter oriented report Pesticides H119

Sample: H119B, Parameter: s-Metolachlor ethanesulfonic acid (Metolachlor-ESA)

Z-score



Parameter oriented report Pesticides H119

Sample: H119A, Parameter: s-Metolachlor oxanilic acid (Metolachlor-OA)

Parameter oriented report

H119 A

s-Metolachlor oxanilic acid (Metolachlor-OA)

| | |
|------------------------------|----------------|
| Unit | µg/l |
| Assigned value ± U (k=2) | 0.573 ± 0.0171 |
| Criterion | 0.0802 (14 %) |
| Minimum - Maximum | 0.545 - 0.61 |
| Control test value ± U (k=2) | 0.591 ± 0.0887 |

| Labcode | Result | ± U | Recovery [%] | z-score | Comments |
|---------|--------|---------|--------------|---------|----------|
| LC0001 | - | - | - | - | |
| LC0002 | - | - | - | - | |
| LC0003 | 0.568 | 0.085 | 99.1 | -0.06 | |
| LC0004 | - | - | - | - | |
| LC0005 | - | - | - | - | |
| LC0006 | - | - | - | - | |
| LC0007 | 0.5733 | 0.1433 | 100 | 0.00 | |
| LC0008 | 0.172 | 0.05 | 30 | -5 | H |
| LC0009 | 0.57 | 0.014 | 99.4 | -0.04 | |
| LC0010 | 0.545 | 0.11505 | 95.1 | -0.35 | |
| LC0011 | 0.49 | 0.088 | 85.5 | -1.04 | H |
| LC0012 | 0.61 | 0.18 | 106 | 0.46 | |
| LC0013 | 0.5729 | 0.1169 | 99.9 | 0.00 | |
| LC0014 | - | - | - | - | |
| LC0015 | - | - | - | - | |

Characteristics of parameter

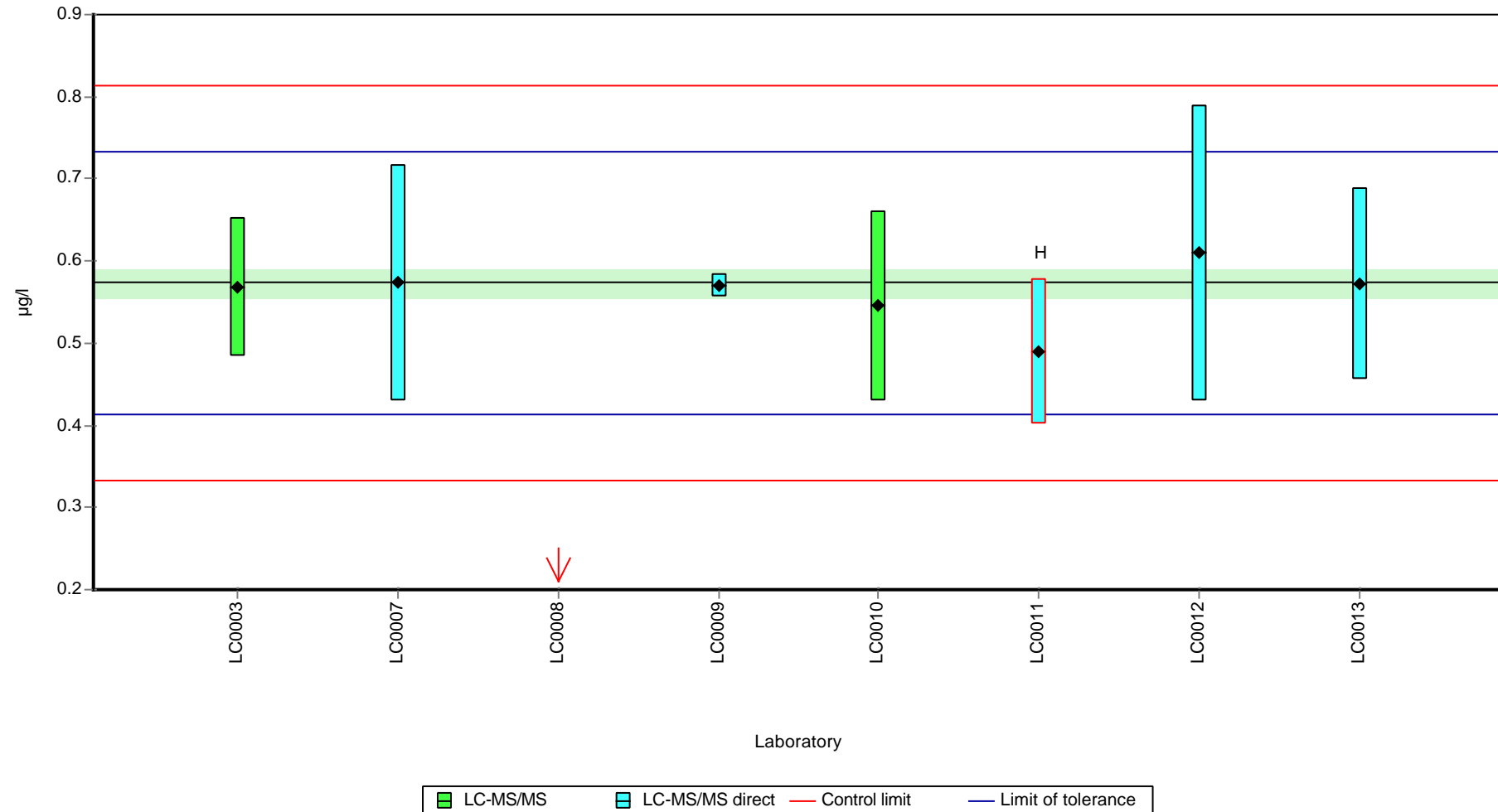
| | all results | without outliers | Unit |
|-------------------------|--------------|------------------|------|
| Mean ± CI (99%) | 0.513 ± 0.15 | 0.573 ± 0.0256 | µg/l |
| Minimum | 0.172 | 0.545 | µg/l |
| Maximum | 0.61 | 0.61 | µg/l |
| Standard deviation | 0.142 | 0.0209 | µg/l |
| rel. standard deviation | 27.7 | 3.65 | % |
| n | 8 | 6 | - |

Parameter oriented report Pesticides H119

Sample: H119A, Parameter: s-Metolachlor oxanilic acid (Metolachlor-OA)

Graphical presentation of results

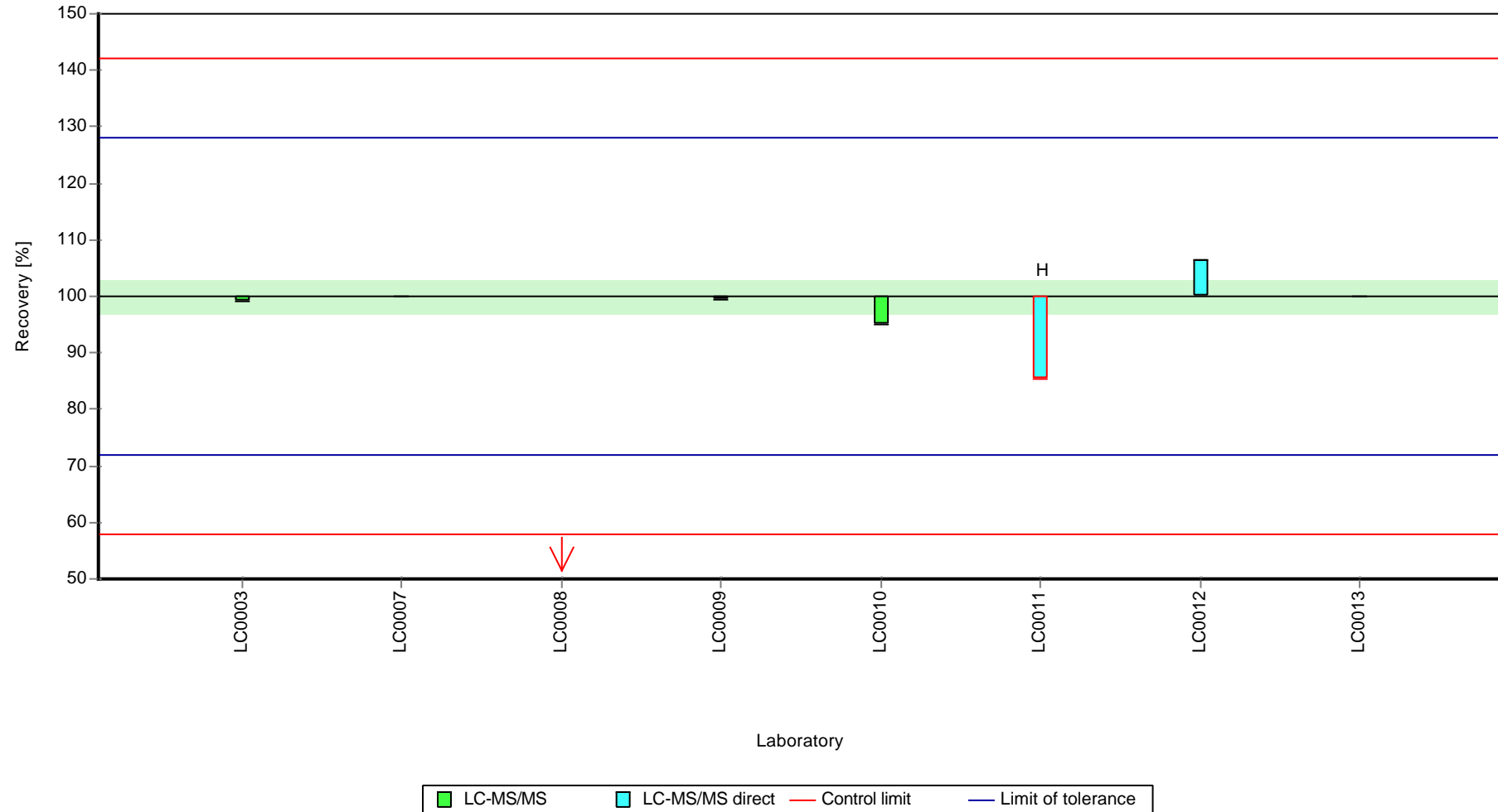
Results



Parameter oriented report Pesticides H119

Sample: H119A, Parameter: s-Metolachlor oxanilic acid (Metolachlor-OA)

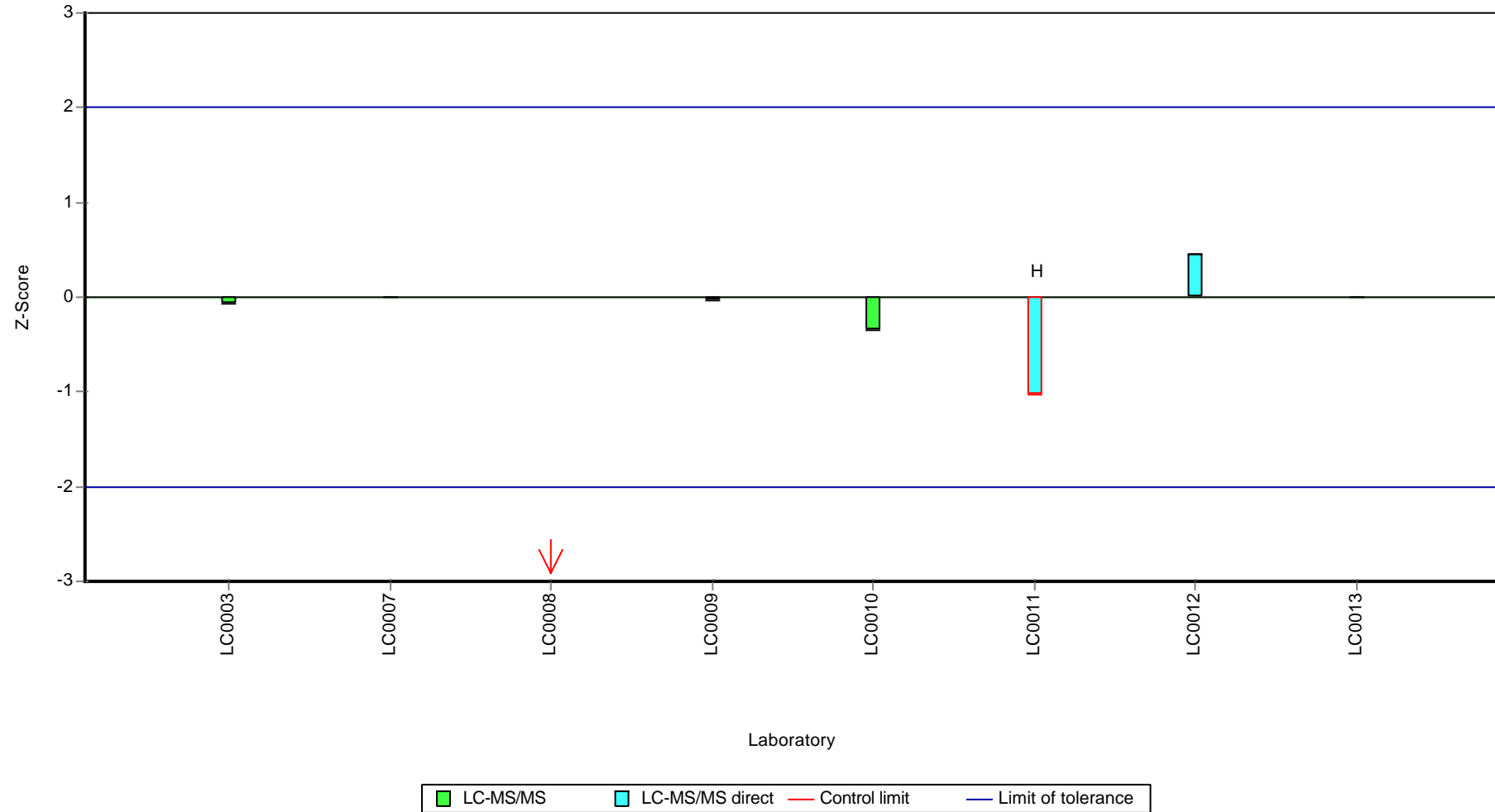
Recovery rate



Parameter oriented report Pesticides H119

Sample: H119A, Parameter: s-Metolachlor oxanilic acid (Metolachlor-OA)

Z-score



Parameter oriented report Pesticides H119

Sample: H119B, Parameter: s-Metolachlor oxanilic acid (Metolachlor-OA)

Parameter oriented report

H119 B

s-Metolachlor oxanilic acid (Metolachlor-OA)

| | |
|------------------------------|----------------|
| Unit | µg/l |
| Assigned value ± U (k=2) | 0.314 ± 0.0144 |
| Criterion | 0.0439 (14 %) |
| Minimum - Maximum | 0.274 - 0.337 |
| Control test value ± U (k=2) | 0.349 ± 0.0523 |

| Labcode | Result | ± U | Recovery [%] | z-score | Comments |
|---------|--------|--------|--------------|---------|----------|
| LC0001 | - | - | - | - | |
| LC0002 | - | - | - | - | |
| LC0003 | 0.337 | 0.05 | 107 | 0.53 | |
| LC0004 | - | - | - | - | |
| LC0005 | - | - | - | - | |
| LC0006 | - | - | - | - | |
| LC0007 | 0.3168 | 0.0792 | 101 | 0.07 | |
| LC0008 | 0.152 | 0.03 | 48.5 | -3.68 | H |
| LC0009 | 0.316 | 0.004 | 101 | 0.05 | |
| LC0010 | 0.315 | 0.0665 | 100 | 0.03 | |
| LC0011 | 0.274 | 0.049 | 87.4 | -0.9 | |
| LC0012 | 0.32 | 0.1 | 102 | 0.14 | |
| LC0013 | 0.3169 | 0.0617 | 101 | 0.07 | |
| LC0014 | - | - | - | - | |
| LC0015 | - | - | - | - | |

Characteristics of parameter

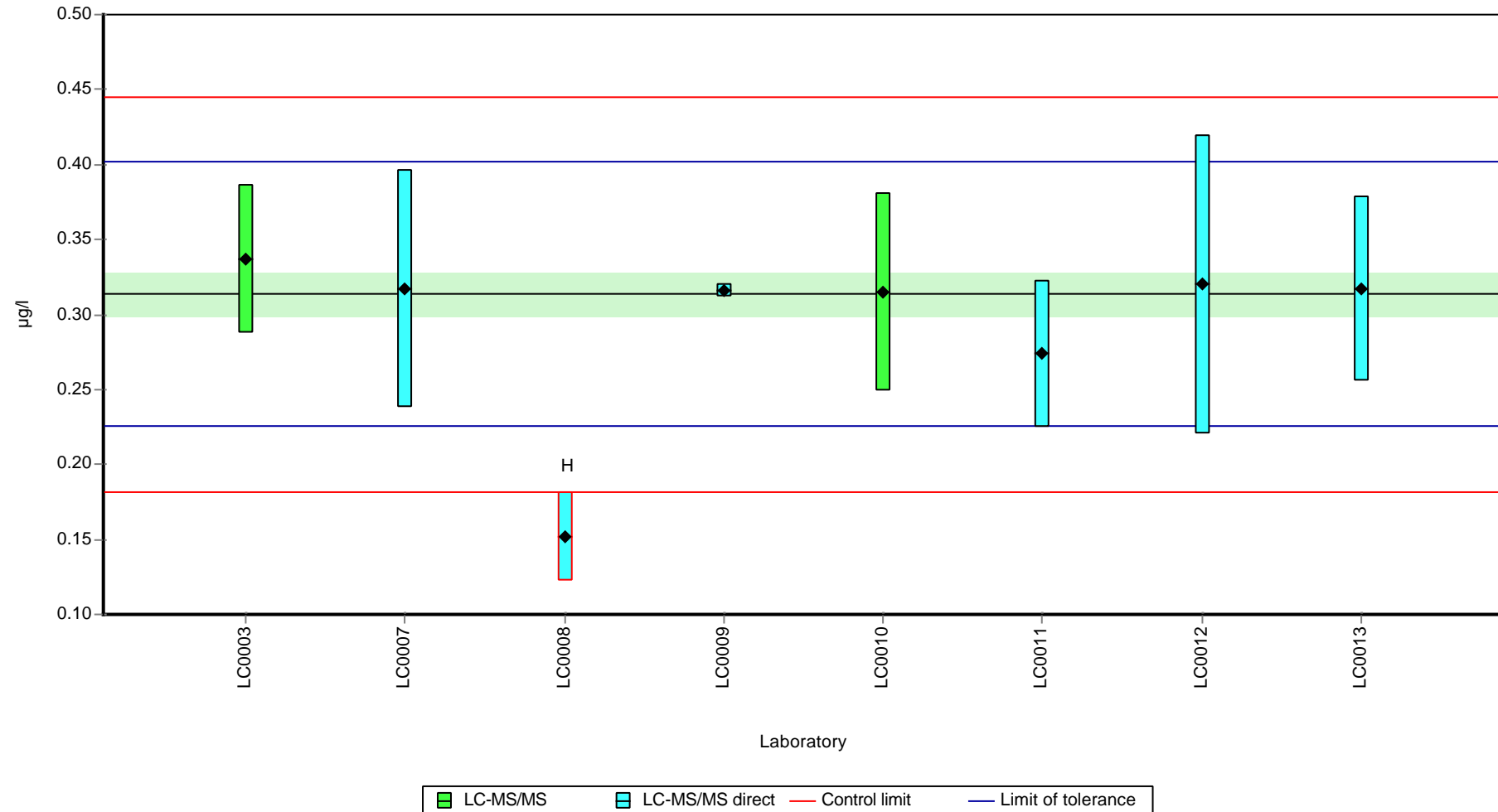
| | all results | without outliers | Unit |
|-------------------------|----------------|------------------|------|
| Mean ± CI (99%) | 0.293 ± 0.0635 | 0.314 ± 0.0216 | µg/l |
| Minimum | 0.152 | 0.274 | µg/l |
| Maximum | 0.337 | 0.337 | µg/l |
| Standard deviation | 0.0598 | 0.0191 | µg/l |
| rel. standard deviation | 20.4 | 6.08 | % |
| n | 8 | 7 | - |

Parameter oriented report Pesticides H119

Sample: H119B, Parameter: s-Metolachlor oxanilic acid (Metolachlor-OA)

Graphical presentation of results

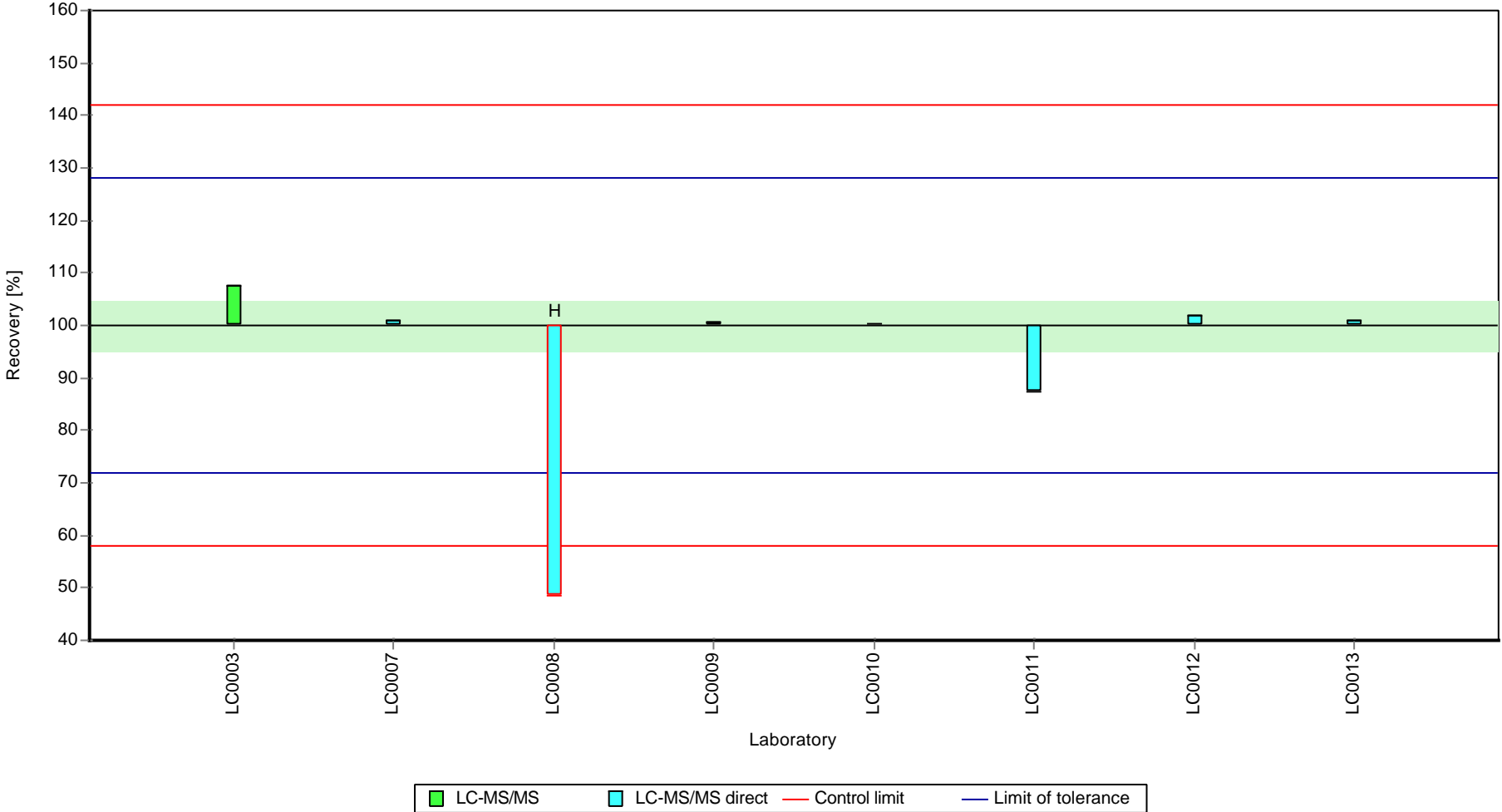
Results



Parameter oriented report Pesticides H119

Sample: H119B, Parameter: s-Metolachlor oxanilic acid (Metolachlor-OA)

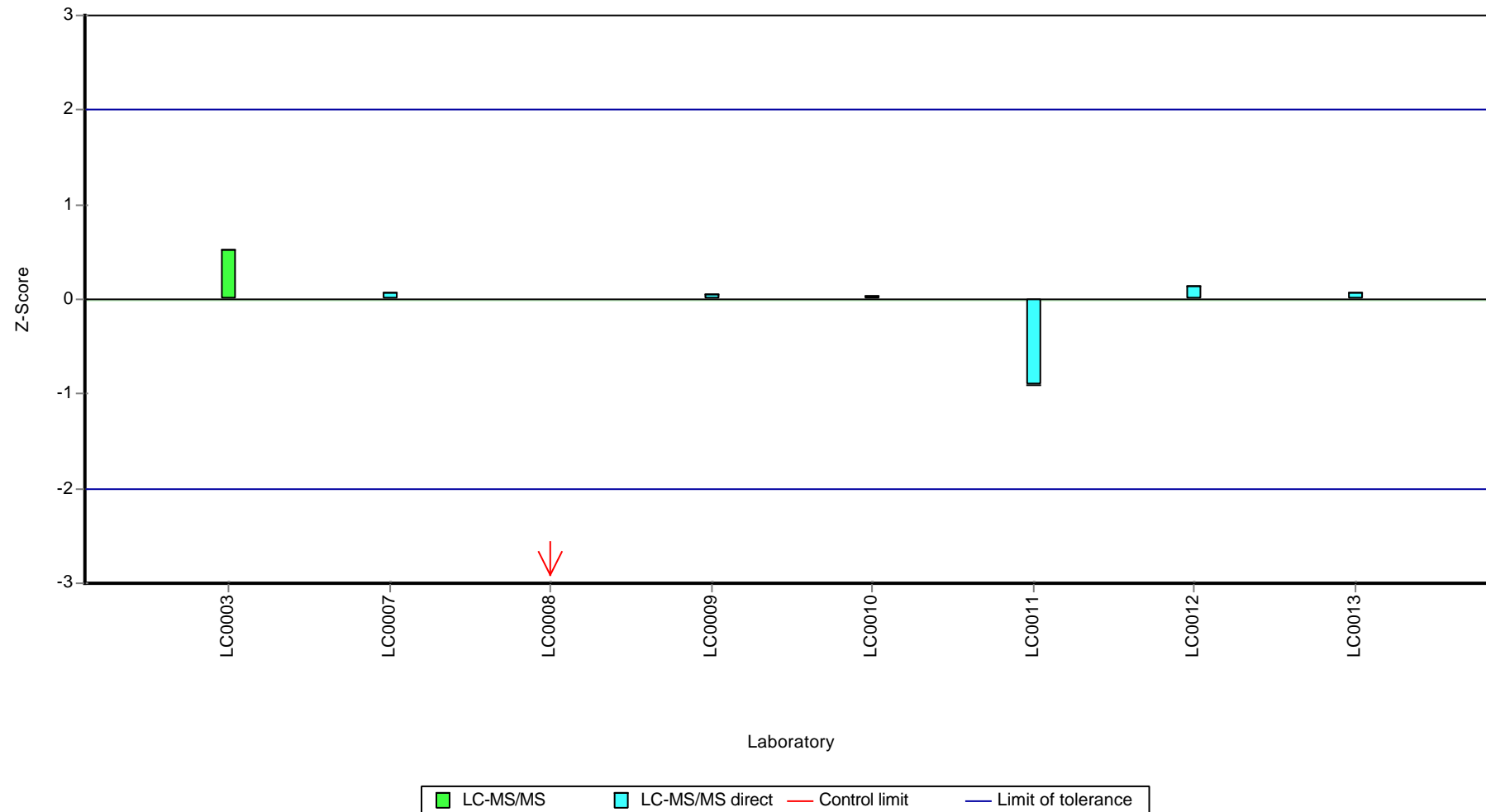
Recovery rate



Parameter oriented report Pesticides H119

Sample: H119B, Parameter: s-Metolachlor oxanilic acid (Metolachlor-OA)

Z-score



E8. Labororientierte Auswertung / Laboratory oriented report

Die Labororientierte Auswertung ist nach dem Laborcode sortiert.

The laboratory oriented report is sorted by laboratory code.

Sample: H119A

| Parameter | Unit | Assigned value ± U (k=2) | Result ± U | Criterion | Recovery [%] | z-Score |
|--|------|--------------------------|---------------|-----------|--------------|---------|
| 2,4,5-Trichlorophenoxyacetic acid | µg/l | - ± - | 0.275 ± 0.069 | - | - | - |
| 2,4-D (2,4-Dichlorphenoxyaceticacid) | µg/l | 0.317 ± 0.0271 | 0.329 ± 0.1 | 0.0444 | 104 | 0.27 |
| Alachlor | µg/l | 0.297 ± 0.0282 | 0.291 ± 0.058 | 0.0356 | 98.1 | -0.15 |
| Alachlor-t-acid (Alachlor-OA) | µg/l | - ± - | - ± - | - | - | - |
| Alachlor-t-sulfonic acid (Alachlor-ESA) | µg/l | - ± - | - ± - | - | - | - |
| AMPA | µg/l | 0.622 ± 0.0447 | - ± - | 0.0808 | - | - |
| Bentazone | µg/l | 0.216 ± 0.0126 | 0.231 ± 0.065 | 0.0323 | 107 | 0.48 |
| Chlorothalonil-4-hydroxy | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite R471811 | µg/l | 0.479 ± 0.0341 | - ± - | 0.0479 | - | - |
| Chlorothalonil Metabolite R611965 (3-carbamyl-2,4,5-trichlorobenzoic acid) | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite R611968 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite SYN507900 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite SYN548580 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite SYN548581 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil sulfonic acid (Chlorothalonil-ESA) | µg/l | 0.447 ± 0.032 | - ± - | 0.0447 | - | - |
| Dicamba | µg/l | - ± - | 0.493 ± 0.15 | - | - | - |
| Dichlorprop | µg/l | 0.361 ± 0.0153 | 0.386 ± 0.11 | 0.0433 | 107 | 0.59 |
| Dimethachlor Metabolite - CGA 369873 | µg/l | - ± - | - ± - | - | - | - |
| Glufosinate | µg/l | - ± - | - ± - | - | - | - |
| Glyphosate | µg/l | 0.219 ± 0.0216 | - ± - | 0.0438 | - | - |
| MCPP (Mecoprop) | µg/l | 0.189 ± 0.006 | 0.201 ± 0.058 | 0.0245 | 107 | 0.51 |
| Metazachlor | µg/l | 0.201 ± 0.00507 | 0.204 ± 0.067 | 0.0242 | 101 | 0.11 |
| Metazachlor ethane sulfonic acid (Metazachlor-ESA) | µg/l | 0.298 ± 0.0233 | - ± - | 0.0567 | - | - |
| Metazachlor oxanilic acid (Metazachlor-OA) | µg/l | 0.345 ± 0.0304 | - ± - | 0.0725 | - | - |

Summary of results Pesticides H119

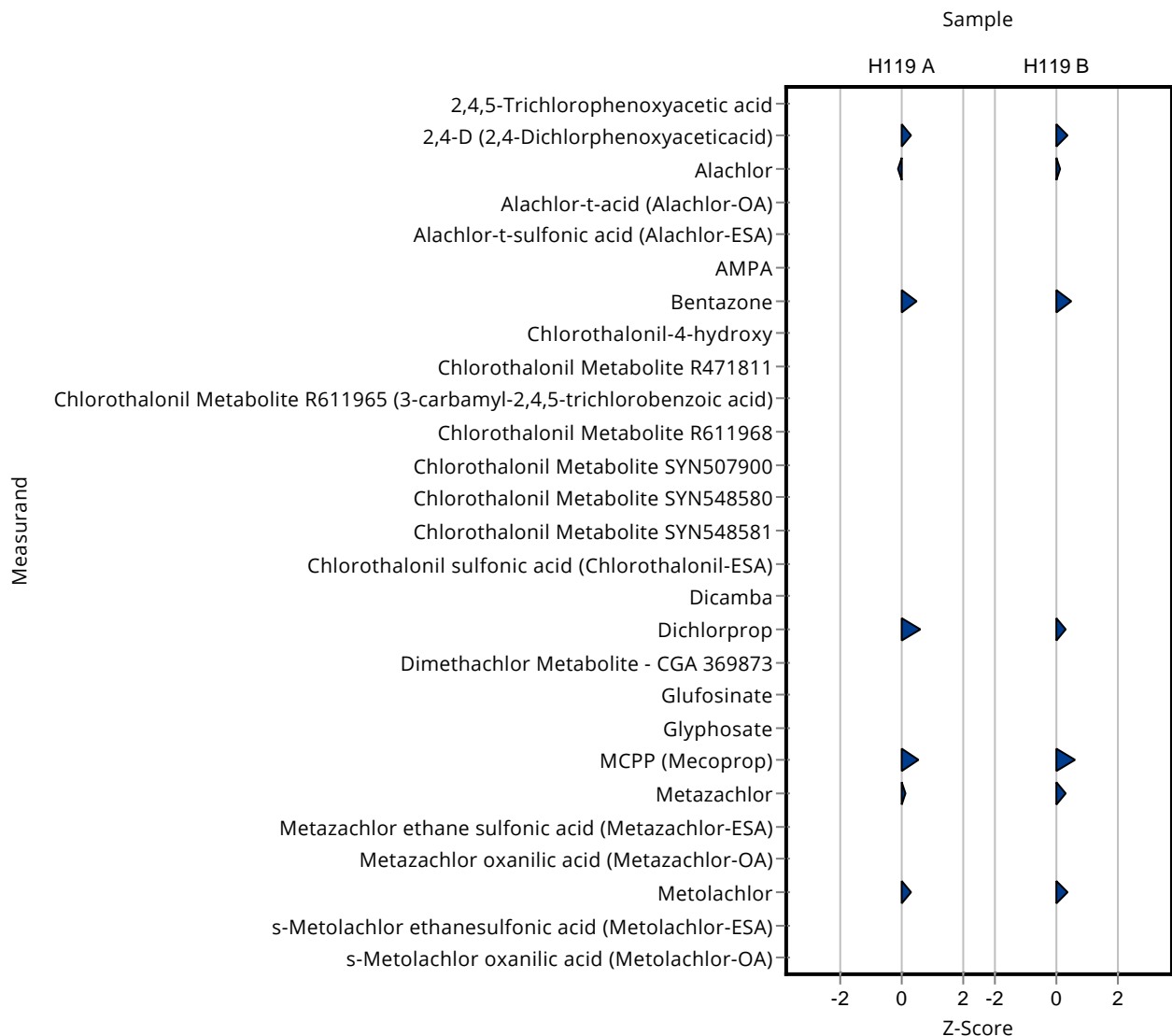
Labcode: LC0001

| Parameter | Unit | Assigned value ± U (k=2) | Result ± U | Criterion | Recovery [%] | z-Score |
|---|------|--------------------------|---------------|-----------|--------------|---------|
| Metolachlor | µg/l | 0.123 ± 0.0045 | 0.129 ± 0.019 | 0.0185 | 105 | 0.32 |
| s-Metolachlor ethanesulfonic acid (Metolachlor-ESA) | µg/l | 0.333 ± 0.0193 | - ± - | 0.0666 | - | - |
| s-Metolachlor oxanilic acid (Metolachlor-OA) | µg/l | 0.573 ± 0.0171 | - ± - | 0.0802 | - | - |

Sample: H119B

| Parameter | Unit | Assigned value ± U (k=2) | Result ± U | Criterion | Recovery [%] | z-Score |
|--|------|--------------------------|---------------|-----------|--------------|---------|
| 2,4,5-Trichlorophenoxyacetic acid | µg/l | - ± - | 0.287 ± 0.072 | - | - | - |
| 2,4-D (2,4-Dichlorphenoxyacetic acid) | µg/l | 0.312 ± 0.0206 | 0.328 ± 0.1 | 0.0437 | 105 | 0.37 |
| Alachlor | µg/l | 0.287 ± 0.0139 | 0.292 ± 0.058 | 0.0345 | 102 | 0.13 |
| Alachlor-t-acid (Alachlor-OA) | µg/l | - ± - | - ± - | - | - | - |
| Alachlor-t-sulfonic acid (Alachlor-ESA) | µg/l | - ± - | - ± - | - | - | - |
| AMPA | µg/l | 0.308 ± 0.0129 | - ± - | 0.04 | - | - |
| Bentazone | µg/l | 0.449 ± 0.0346 | 0.483 ± 0.14 | 0.0674 | 108 | 0.50 |
| Chlorothalonil-4-hydroxy | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite R471811 | µg/l | 0.637 ± 0.0559 | - ± - | 0.0701 | - | - |
| Chlorothalonil Metabolite R611965 (3-carbamyl-2,4,5-trichlorobenzoic acid) | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite R611968 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite SYN507900 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite SYN548580 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite SYN548581 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil sulfonic acid (Chlorothalonil-ESA) | µg/l | 0.224 ± 0.018 | - ± - | 0.0246 | - | - |
| Dicamba | µg/l | - ± - | 0.55 ± 0.17 | - | - | - |
| Dichlorprop | µg/l | 0.615 ± 0.0303 | 0.637 ± 0.18 | 0.0737 | 104 | 0.31 |
| Dimethachlor Metabolite - CGA 369873 | µg/l | - ± - | - ± - | - | - | - |

| Parameter | Unit | Assigned value ± U (k=2) | Result ± U | Criterion Recovery [%] | z-Score |
|---|------|--------------------------|--------------|------------------------|---------|
| Glufosinate | µg/l | - ± - | - ± - | - | - |
| Glyphosate | µg/l | 0.517 ± 0.0538 | - ± - | 0.103 | - |
| MCPP (Mecoprop) | µg/l | 0.315 ± 0.0145 | 0.34 ± 0.1 | 0.041 | 108 |
| Metazachlor | µg/l | 0.413 ± 0.00694 | 0.427 ± 0.14 | 0.0495 | 103 |
| Metazachlor ethane sulfonic acid (Metazachlor-ESA) | µg/l | 0.13 ± 0.0077 | - ± - | 0.0248 | - |
| Metazachlor oxanilic acid (Metazachlor-OA) | µg/l | 0.14 ± 0.0186 | - ± - | 0.0295 | - |
| Metolachlor | µg/l | 0.378 ± 0.0128 | 0.4 ± 0.06 | 0.0567 | 106 |
| s-Metolachlor ethanesulfonic acid (Metolachlor-ESA) | µg/l | 0.222 ± 0.0102 | - ± - | 0.0443 | - |
| s-Metolachlor oxanilic acid (Metolachlor-OA) | µg/l | 0.314 ± 0.0144 | - ± - | 0.0439 | - |



Sample: H119A

| Parameter | Unit | Assigned value ± U (k=2) | Result ± U | Criterion | Recovery [%] | En-Score |
|--|------|--------------------------|---------------|-----------|--------------|----------|
| 2,4,5-Trichlorophenoxyacetic acid | µg/l | - ± - | 0.275 ± 0.069 | - | - | - |
| 2,4-D (2,4-Dichlorphenoxyaceticacid) | µg/l | 0.317 ± 0.0271 | 0.329 ± 0.1 | 0.0444 | 104 | 0.06 |
| Alachlor | µg/l | 0.297 ± 0.0282 | 0.291 ± 0.058 | 0.0356 | 98.1 | -0.05 |
| Alachlor-t-acid (Alachlor-OA) | µg/l | - ± - | - ± - | - | - | - |
| Alachlor-t-sulfonic acid (Alachlor-ESA) | µg/l | - ± - | - ± - | - | - | - |
| AMPA | µg/l | 0.622 ± 0.0447 | - ± - | 0.0808 | - | - |
| Bentazone | µg/l | 0.216 ± 0.0126 | 0.231 ± 0.065 | 0.0323 | 107 | 0.12 |
| Chlorothalonil-4-hydroxy | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite R471811 | µg/l | 0.479 ± 0.0341 | - ± - | 0.0479 | - | - |
| Chlorothalonil Metabolite R611965 (3-carbamyl-2,4,5-trichlorobenzoic acid) | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite R611968 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite SYN507900 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite SYN548580 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite SYN548581 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil sulfonic acid (Chlorothalonil-ESA) | µg/l | 0.447 ± 0.032 | - ± - | 0.0447 | - | - |
| Dicamba | µg/l | - ± - | 0.493 ± 0.15 | - | - | - |
| Dichlorprop | µg/l | 0.361 ± 0.0153 | 0.386 ± 0.11 | 0.0433 | 107 | 0.12 |
| Dimethachlor Metabolite - CGA 369873 | µg/l | - ± - | - ± - | - | - | - |

Summary of results Pesticides H119 - En-Score

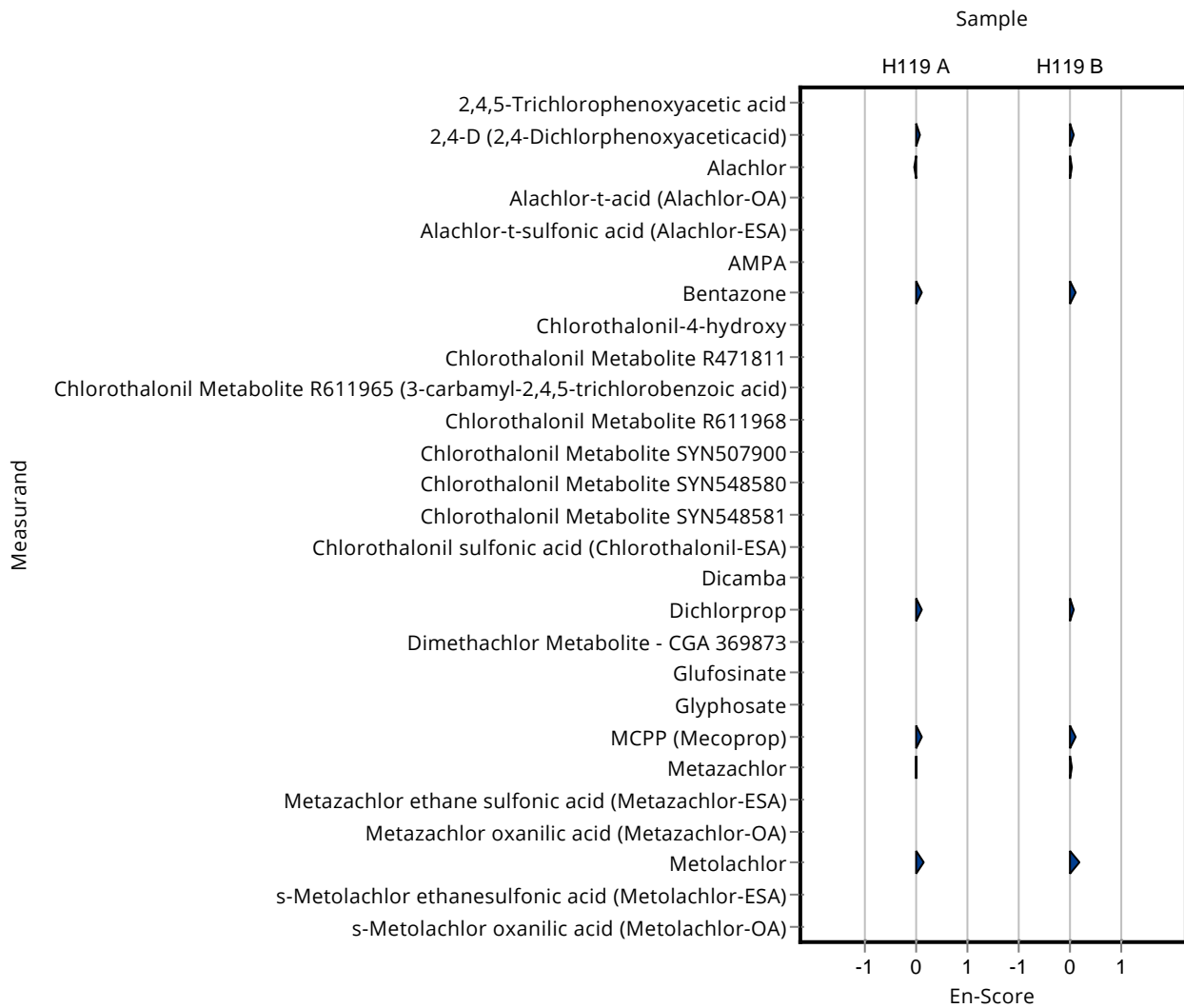
Labcode: LC0001

| Parameter | Unit | Assigned value ± U (k=2) | Result ± U | Criterion | Recovery [%] | En-Score |
|---|------|--------------------------|---------------|-----------|--------------|----------|
| Glufosinate | µg/l | - ± - | - ± - | - | - | - |
| Glyphosate | µg/l | 0.219 ± 0.0216 | - ± - | 0.0438 | - | - |
| MCPP (Mecoprop) | µg/l | 0.189 ± 0.006 | 0.201 ± 0.058 | 0.0245 | 107 | 0.11 |
| Metazachlor | µg/l | 0.201 ± 0.00507 | 0.204 ± 0.067 | 0.0242 | 101 | 0.02 |
| Metazachlor ethane sulfonic acid (Metazachlor-ESA) | µg/l | 0.298 ± 0.0233 | - ± - | 0.0567 | - | - |
| Metazachlor oxanilic acid (Metazachlor-OA) | µg/l | 0.345 ± 0.0304 | - ± - | 0.0725 | - | - |
| Metolachlor | µg/l | 0.123 ± 0.0045 | 0.129 ± 0.019 | 0.0185 | 105 | 0.15 |
| s-Metolachlor ethanesulfonic acid (Metolachlor-ESA) | µg/l | 0.333 ± 0.0193 | - ± - | 0.0666 | - | - |
| s-Metolachlor oxanilic acid (Metolachlor-OA) | µg/l | 0.573 ± 0.0171 | - ± - | 0.0802 | - | - |

Sample: H119B

| Parameter | Unit | Assigned value ± U (k=2) | Result ± U | Criterion | Recovery [%] | En-Score |
|---|------|--------------------------|---------------|-----------|--------------|----------|
| 2,4,5-Trichlorophenoxyacetic acid | µg/l | - ± - | 0.287 ± 0.072 | - | - | - |
| 2,4-D (2,4-Dichlorophenoxyacetic acid) | µg/l | 0.312 ± 0.0206 | 0.328 ± 0.1 | 0.0437 | 105 | 0.08 |
| Alachlor | µg/l | 0.287 ± 0.0139 | 0.292 ± 0.058 | 0.0345 | 102 | 0.04 |
| Alachlor-t-acid (Alachlor-OA) | µg/l | - ± - | - ± - | - | - | - |
| Alachlor-t-sulfonic acid (Alachlor-ESA) | µg/l | - ± - | - ± - | - | - | - |
| AMPA | µg/l | 0.308 ± 0.0129 | - ± - | 0.04 | - | - |
| Bentazone | µg/l | 0.449 ± 0.0346 | 0.483 ± 0.14 | 0.0674 | 108 | 0.12 |
| Chlorothalonil-4-hydroxy | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite R471811 | µg/l | 0.637 ± 0.0559 | - ± - | 0.0701 | - | - |

| Parameter | Unit | Assigned value ± U (k=2) | Result ± U | Criterion | Recovery [%] | En-Score |
|--|------|--------------------------|--------------|-----------|--------------|----------|
| Chlorothalonil Metabolite R611965 (3-carbamyl-2,4,5-trichlorobenzoic acid) | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite R611968 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite SYN507900 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite SYN548580 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite SYN548581 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil sulfonic acid (Chlorothalonil-ESA) | µg/l | 0.224 ± 0.018 | - ± - | 0.0246 | - | - |
| Dicamba | µg/l | - ± - | 0.55 ± 0.17 | - | - | - |
| Dichlorprop | µg/l | 0.615 ± 0.0303 | 0.637 ± 0.18 | 0.0737 | 104 | 0.06 |
| Dimethachlor Metabolite - CGA 369873 | µg/l | - ± - | - ± - | - | - | - |
| Glufosinate | µg/l | - ± - | - ± - | - | - | - |
| Glyphosate | µg/l | 0.517 ± 0.0538 | - ± - | 0.103 | - | - |
| MCPP (Mecoprop) | µg/l | 0.315 ± 0.0145 | 0.34 ± 0.1 | 0.041 | 108 | 0.12 |
| Metazachlor | µg/l | 0.413 ± 0.00694 | 0.427 ± 0.14 | 0.0495 | 103 | 0.05 |
| Metazachlor ethane sulfonic acid (Metazachlor-ESA) | µg/l | 0.13 ± 0.0077 | - ± - | 0.0248 | - | - |
| Metazachlor oxanilic acid (Metazachlor-OA) | µg/l | 0.14 ± 0.0186 | - ± - | 0.0295 | - | - |
| Metolachlor | µg/l | 0.378 ± 0.0128 | 0.4 ± 0.06 | 0.0567 | 106 | 0.18 |
| s-Metolachlor ethanesulfonic acid (Metolachlor-ESA) | µg/l | 0.222 ± 0.0102 | - ± - | 0.0443 | - | - |
| s-Metolachlor oxanilic acid (Metolachlor-OA) | µg/l | 0.314 ± 0.0144 | - ± - | 0.0439 | - | - |



Sample: H119A

| Parameter | Unit | Assigned value ± U (k=2) | Result ± U | Criterion | Recovery [%] | z-Score |
|--|------|--------------------------|---------------|-----------|--------------|---------|
| 2,4,5-Trichlorophenoxyacetic acid | µg/l | - ± - | - ± - | - | - | - |
| 2,4-D (2,4-Dichlorphenoxyaceticacid) | µg/l | 0.317 ± 0.0271 | 0.341 ± 0.003 | 0.0444 | 108 | 0.54 |
| Alachlor | µg/l | 0.297 ± 0.0282 | 0.284 ± 0.004 | 0.0356 | 95.8 | -0.35 |
| Alachlor-t-acid (Alachlor-OA) | µg/l | - ± - | - ± - | - | - | - |
| Alachlor-t-sulfonic acid (Alachlor-ESA) | µg/l | - ± - | - ± - | - | - | - |
| AMPA | µg/l | 0.622 ± 0.0447 | 0.57 ± 0.0142 | 0.0808 | 91.7 | -0.64 |
| Bentazone | µg/l | 0.216 ± 0.0126 | 0.237 ± 0.004 | 0.0323 | 110 | 0.66 |
| Chlorothalonil-4-hydroxy | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite R471811 | µg/l | 0.479 ± 0.0341 | - ± - | 0.0479 | - | - |
| Chlorothalonil Metabolite R611965 (3-carbamyl-2,4,5-trichlorobenzoic acid) | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite R611968 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite SYN507900 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite SYN548580 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite SYN548581 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil sulfonic acid (Chlorothalonil-ESA) | µg/l | 0.447 ± 0.032 | - ± - | 0.0447 | - | - |
| Dicamba | µg/l | - ± - | - ± - | - | - | - |
| Dichlorprop | µg/l | 0.361 ± 0.0153 | 0.365 ± 0.012 | 0.0433 | 101 | 0.10 |
| Dimethachlor Metabolite - CGA 369873 | µg/l | - ± - | - ± - | - | - | - |
| Glufosinate | µg/l | - ± - | 0.542 ± 0.007 | - | - | - |
| Glyphosate | µg/l | 0.219 ± 0.0216 | 0.224 ± 0.005 | 0.0438 | 102 | 0.12 |
| MCPP (Mecoprop) | µg/l | 0.189 ± 0.006 | 0.192 ± 0.012 | 0.0245 | 102 | 0.14 |
| Metazachlor | µg/l | 0.201 ± 0.00507 | 0.205 ± 0.004 | 0.0242 | 102 | 0.15 |
| Metazachlor ethane sulfonic acid (Metazachlor-ESA) | µg/l | 0.298 ± 0.0233 | - ± - | 0.0567 | - | - |
| Metazachlor oxanilic acid (Metazachlor-OA) | µg/l | 0.345 ± 0.0304 | - ± - | 0.0725 | - | - |

Summary of results Pesticides H119

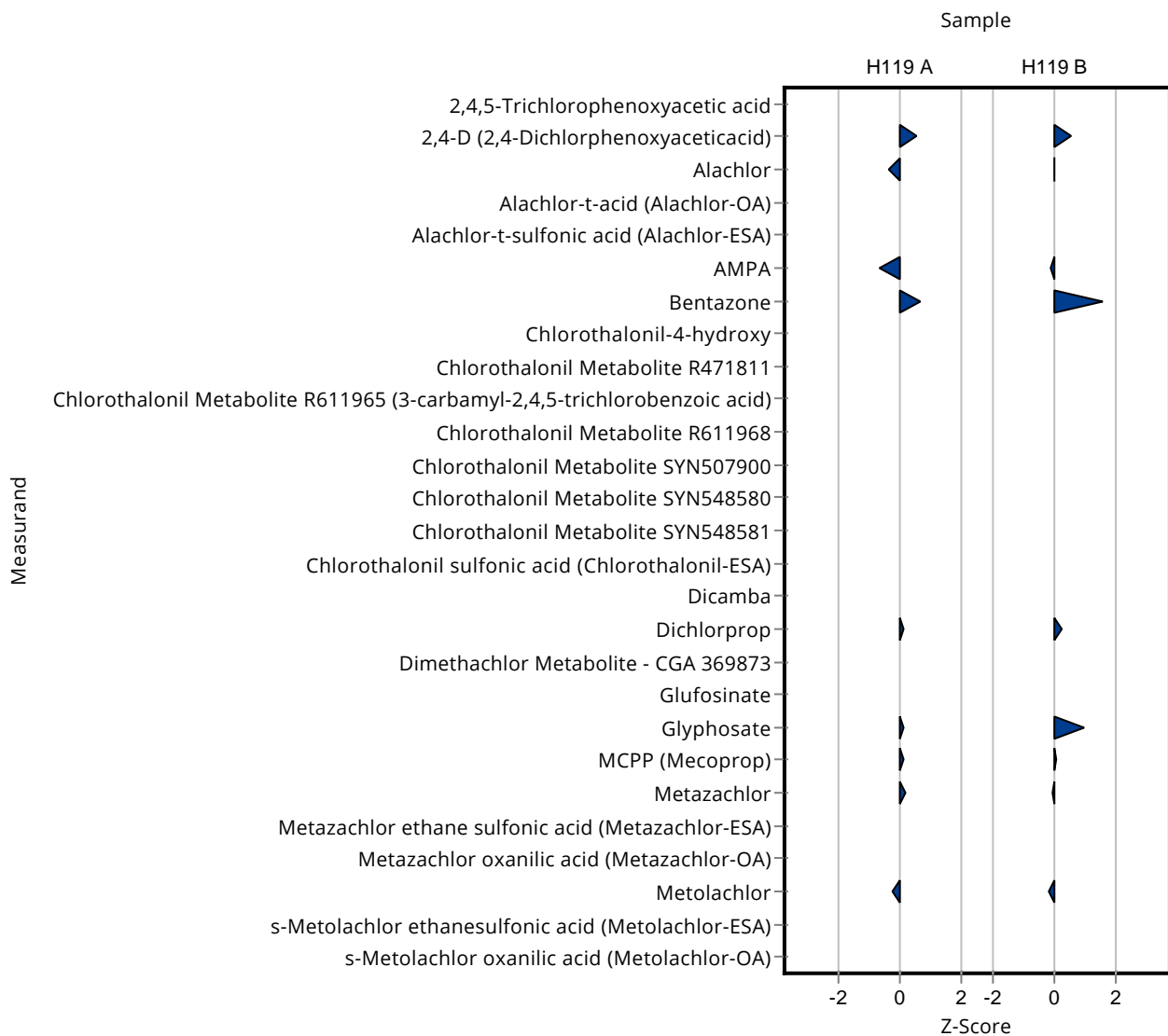
Labcode: LC0002

| Parameter | Unit | Assigned value ± U (k=2) | Result ± U | Criterion | Recovery [%] | z-Score |
|---|------|--------------------------|---------------|-----------|--------------|---------|
| Metolachlor | µg/l | 0.123 ± 0.0045 | 0.119 ± 0.002 | 0.0185 | 96.6 | -0.22 |
| s-Metolachlor ethanesulfonic acid (Metolachlor-ESA) | µg/l | 0.333 ± 0.0193 | - ± - | 0.0666 | - | - |
| s-Metolachlor oxanilic acid (Metolachlor-OA) | µg/l | 0.573 ± 0.0171 | - ± - | 0.0802 | - | - |

Sample: H119B

| Parameter | Unit | Assigned value ± U (k=2) | Result ± U | Criterion | Recovery [%] | z-Score |
|--|------|--------------------------|---------------|-----------|--------------|---------|
| 2,4,5-Trichlorophenoxyacetic acid | µg/l | - ± - | - ± - | - | - | - |
| 2,4-D (2,4-Dichlorphenoxyacetic acid) | µg/l | 0.312 ± 0.0206 | 0.337 ± 0.01 | 0.0437 | 108 | 0.58 |
| Alachlor | µg/l | 0.287 ± 0.0139 | 0.287 ± 0.007 | 0.0345 | 99.9 | -0.01 |
| Alachlor-t-acid (Alachlor-OA) | µg/l | - ± - | - ± - | - | - | - |
| Alachlor-t-sulfonic acid (Alachlor-ESA) | µg/l | - ± - | - ± - | - | - | - |
| AMPA | µg/l | 0.308 ± 0.0129 | 0.304 ± 0.023 | 0.04 | 98.8 | -0.09 |
| Bentazone | µg/l | 0.449 ± 0.0346 | 0.555 ± 0.031 | 0.0674 | 124 | 1.57 |
| Chlorothalonil-4-hydroxy | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite R471811 | µg/l | 0.637 ± 0.0559 | - ± - | 0.0701 | - | - |
| Chlorothalonil Metabolite R611965 (3-carbamyl-2,4,5-trichlorobenzoic acid) | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite R611968 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite SYN507900 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite SYN548580 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite SYN548581 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil sulfonic acid (Chlorothalonil-ESA) | µg/l | 0.224 ± 0.018 | - ± - | 0.0246 | - | - |
| Dicamba | µg/l | - ± - | - ± - | - | - | - |
| Dichlorprop | µg/l | 0.615 ± 0.0303 | 0.633 ± 0.027 | 0.0737 | 103 | 0.25 |
| Dimethachlor Metabolite - CGA 369873 | µg/l | - ± - | - ± - | - | - | - |

| Parameter | Unit | Assigned value ± U (k=2) | Result ± U | Criterion Recovery [%] | z-Score |
|---|------|--------------------------|---------------|------------------------|---------|
| Glufosinate | µg/l | - ± - | 0.273 ± 0.016 | - | - |
| Glyphosate | µg/l | 0.517 ± 0.0538 | 0.617 ± 0.034 | 0.103 | 119 |
| MCPP (Mecoprop) | µg/l | 0.315 ± 0.0145 | 0.318 ± 0.01 | 0.041 | 101 |
| Metazachlor | µg/l | 0.413 ± 0.00694 | 0.41 ± 0.005 | 0.0495 | 99.3 |
| Metazachlor ethane sulfonic acid (Metazachlor-ESA) | µg/l | 0.13 ± 0.0077 | - ± - | 0.0248 | - |
| Metazachlor oxanilic acid (Metazachlor-OA) | µg/l | 0.14 ± 0.0186 | - ± - | 0.0295 | - |
| Metolachlor | µg/l | 0.378 ± 0.0128 | 0.368 ± 0.008 | 0.0567 | 97.4 |
| s-Metolachlor ethanesulfonic acid (Metolachlor-ESA) | µg/l | 0.222 ± 0.0102 | - ± - | 0.0443 | - |
| s-Metolachlor oxanilic acid (Metolachlor-OA) | µg/l | 0.314 ± 0.0144 | - ± - | 0.0439 | - |



Sample: H119A

| Parameter | Unit | Assigned value ± U (k=2) | Result ± U | Criterion | Recovery [%] | En-Score |
|--|------|--------------------------|---------------|-----------|--------------|----------|
| 2,4,5-Trichlorophenoxyacetic acid | µg/l | - ± - | - ± - | - | - | - |
| 2,4-D (2,4-Dichlorphenoxyaceticacid) | µg/l | 0.317 ± 0.0271 | 0.341 ± 0.003 | 0.0444 | 108 | 0.86 |
| Alachlor | µg/l | 0.297 ± 0.0282 | 0.284 ± 0.004 | 0.0356 | 95.8 | -0.43 |
| Alachlor-t-acid (Alachlor-OA) | µg/l | - ± - | - ± - | - | - | - |
| Alachlor-t-sulfonic acid (Alachlor-ESA) | µg/l | - ± - | - ± - | - | - | - |
| AMPA | µg/l | 0.622 ± 0.0447 | 0.57 ± 0.0142 | 0.0808 | 91.7 | -0.98 |
| Bentazone | µg/l | 0.216 ± 0.0126 | 0.237 ± 0.004 | 0.0323 | 110 | 1.44 |
| Chlorothalonil-4-hydroxy | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite R471811 | µg/l | 0.479 ± 0.0341 | - ± - | 0.0479 | - | - |
| Chlorothalonil Metabolite R611965 (3-carbamyl-2,4,5-trichlorobenzoic acid) | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite R611968 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite SYN507900 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite SYN548580 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite SYN548581 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil sulfonic acid (Chlorothalonil-ESA) | µg/l | 0.447 ± 0.032 | - ± - | 0.0447 | - | - |
| Dicamba | µg/l | - ± - | - ± - | - | - | - |
| Dichlorprop | µg/l | 0.361 ± 0.0153 | 0.365 ± 0.012 | 0.0433 | 101 | 0.16 |
| Dimethachlor Metabolite - CGA 369873 | µg/l | - ± - | - ± - | - | - | - |

Summary of results Pesticides H119 - En-Score

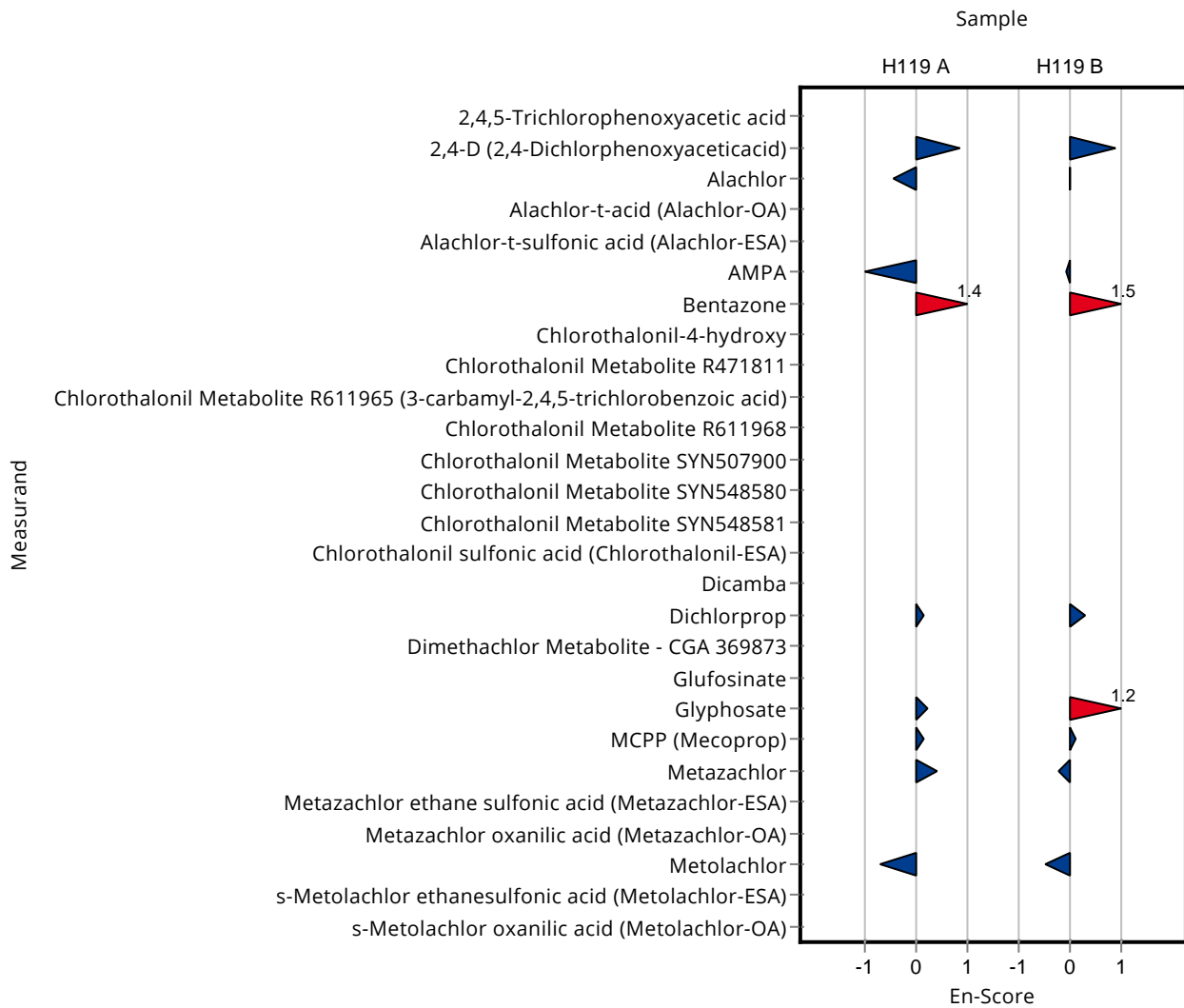
Labcode: LC0002

| Parameter | Unit | Assigned value ± U (k=2) | Result ± U | Criterion | Recovery [%] | En-Score |
|---|------|--------------------------|---------------|-----------|--------------|----------|
| Glufosinate | µg/l | - ± - | 0.542 ± 0.007 | - | - | - |
| Glyphosate | µg/l | 0.219 ± 0.0216 | 0.224 ± 0.005 | 0.0438 | 102 | 0.21 |
| MCPP (Mecoprop) | µg/l | 0.189 ± 0.006 | 0.192 ± 0.012 | 0.0245 | 102 | 0.14 |
| Metazachlor | µg/l | 0.201 ± 0.00507 | 0.205 ± 0.004 | 0.0242 | 102 | 0.39 |
| Metazachlor ethane sulfonic acid (Metazachlor-ESA) | µg/l | 0.298 ± 0.0233 | - ± - | 0.0567 | - | - |
| Metazachlor oxanilic acid (Metazachlor-OA) | µg/l | 0.345 ± 0.0304 | - ± - | 0.0725 | - | - |
| Metolachlor | µg/l | 0.123 ± 0.0045 | 0.119 ± 0.002 | 0.0185 | 96.6 | -0.69 |
| s-Metolachlor ethanesulfonic acid (Metolachlor-ESA) | µg/l | 0.333 ± 0.0193 | - ± - | 0.0666 | - | - |
| s-Metolachlor oxanilic acid (Metolachlor-OA) | µg/l | 0.573 ± 0.0171 | - ± - | 0.0802 | - | - |

Sample: H119B

| Parameter | Unit | Assigned value ± U (k=2) | Result ± U | Criterion | Recovery [%] | En-Score |
|---|------|--------------------------|---------------|-----------|--------------|----------|
| 2,4,5-Trichlorophenoxyacetic acid | µg/l | - ± - | - ± - | - | - | - |
| 2,4-D (2,4-Dichlorophenoxyacetic acid) | µg/l | 0.312 ± 0.0206 | 0.337 ± 0.01 | 0.0437 | 108 | 0.88 |
| Alachlor | µg/l | 0.287 ± 0.0139 | 0.287 ± 0.007 | 0.0345 | 99.9 | -0.02 |
| Alachlor-t-acid (Alachlor-OA) | µg/l | - ± - | - ± - | - | - | - |
| Alachlor-t-sulfonic acid (Alachlor-ESA) | µg/l | - ± - | - ± - | - | - | - |
| AMPA | µg/l | 0.308 ± 0.0129 | 0.304 ± 0.023 | 0.04 | 98.8 | -0.08 |
| Bentazone | µg/l | 0.449 ± 0.0346 | 0.555 ± 0.031 | 0.0674 | 124 | 1.49 |
| Chlorothalonil-4-hydroxy | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite R471811 | µg/l | 0.637 ± 0.0559 | - ± - | 0.0701 | - | - |

| Parameter | Unit | Assigned value ± U (k=2) | Result ± U | Criterion Recovery [%] | En-Score |
|--|------|--------------------------|---------------|------------------------|----------|
| Chlorothalonil Metabolite R611965 (3-carbamyl-2,4,5-trichlorobenzoic acid) | µg/l | - ± - | - ± - | - | - |
| Chlorothalonil Metabolite R611968 | µg/l | - ± - | - ± - | - | - |
| Chlorothalonil Metabolite SYN507900 | µg/l | - ± - | - ± - | - | - |
| Chlorothalonil Metabolite SYN548580 | µg/l | - ± - | - ± - | - | - |
| Chlorothalonil Metabolite SYN548581 | µg/l | - ± - | - ± - | - | - |
| Chlorothalonil sulfonic acid (Chlorothalonil-ESA) | µg/l | 0.224 ± 0.018 | - ± - | 0.0246 | - |
| Dicamba | µg/l | - ± - | - ± - | - | - |
| Dichlorprop | µg/l | 0.615 ± 0.0303 | 0.633 ± 0.027 | 0.0737 | 103 |
| Dimethachlor Metabolite - CGA 369873 | µg/l | - ± - | - ± - | - | - |
| Glufosinate | µg/l | - ± - | 0.273 ± 0.016 | - | - |
| Glyphosate | µg/l | 0.517 ± 0.0538 | 0.617 ± 0.034 | 0.103 | 119 |
| MCPP (Mecoprop) | µg/l | 0.315 ± 0.0145 | 0.318 ± 0.01 | 0.041 | 101 |
| Metazachlor | µg/l | 0.413 ± 0.00694 | 0.41 ± 0.005 | 0.0495 | 99.3 |
| Metazachlor ethane sulfonic acid (Metazachlor-ESA) | µg/l | 0.13 ± 0.0077 | - ± - | 0.0248 | - |
| Metazachlor oxanilic acid (Metazachlor-OA) | µg/l | 0.14 ± 0.0186 | - ± - | 0.0295 | - |
| Metolachlor | µg/l | 0.378 ± 0.0128 | 0.368 ± 0.008 | 0.0567 | 97.4 |
| s-Metolachlor ethanesulfonic acid (Metolachlor-ESA) | µg/l | 0.222 ± 0.0102 | - ± - | 0.0443 | - |
| s-Metolachlor oxanilic acid (Metolachlor-OA) | µg/l | 0.314 ± 0.0144 | - ± - | 0.0439 | - |



Sample: H119A

| Parameter | Unit | Assigned value ± U (k=2) | Result ± U | Criterion | Recovery [%] | z-Score |
|--|------|--------------------------|---------------|-----------|--------------|---------|
| 2,4,5-Trichlorophenoxyacetic acid | µg/l | - ± - | 0.263 ± 0.04 | - | - | - |
| 2,4-D (2,4-Dichlorphenoxyaceticacid) | µg/l | 0.317 ± 0.0271 | 0.321 ± 0.05 | 0.0444 | 101 | 0.09 |
| Alachlor | µg/l | 0.297 ± 0.0282 | 0.354 ± 0.055 | 0.0356 | 119 | 1.62 |
| Alachlor-t-acid (Alachlor-OA) | µg/l | - ± - | 0.205 ± 0.03 | - | - | - |
| Alachlor-t-sulfonic acid (Alachlor-ESA) | µg/l | - ± - | 0.159 ± 0.025 | - | - | - |
| AMPA | µg/l | 0.622 ± 0.0447 | - ± - | 0.0808 | - | - |
| Bentazone | µg/l | 0.216 ± 0.0126 | 0.228 ± 0.035 | 0.0323 | 106 | 0.39 |
| Chlorothalonil-4-hydroxy | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite R471811 | µg/l | 0.479 ± 0.0341 | 0.467 ± 0.07 | 0.0479 | 97.5 | -0.25 |
| Chlorothalonil Metabolite R611965 (3-carbamyl-2,4,5-trichlorobenzoic acid) | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite R611968 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite SYN507900 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite SYN548580 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite SYN548581 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil sulfonic acid (Chlorothalonil-ESA) | µg/l | 0.447 ± 0.032 | - ± - | 0.0447 | - | - |
| Dicamba | µg/l | - ± - | 0.531 ± 0.08 | - | - | - |
| Dichlorprop | µg/l | 0.361 ± 0.0153 | 0.349 ± 0.055 | 0.0433 | 96.8 | -0.27 |
| Dimethachlor Metabolite - CGA 369873 | µg/l | - ± - | 0.369 ± 0.06 | - | - | - |
| Glufosinate | µg/l | - ± - | - ± - | - | - | - |
| Glyphosate | µg/l | 0.219 ± 0.0216 | - ± - | 0.0438 | - | - |
| MCPP (Mecoprop) | µg/l | 0.189 ± 0.006 | 0.185 ± 0.03 | 0.0245 | 98.1 | -0.15 |
| Metazachlor | µg/l | 0.201 ± 0.00507 | 0.209 ± 0.03 | 0.0242 | 104 | 0.32 |
| Metazachlor ethane sulfonic acid (Metazachlor-ESA) | µg/l | 0.298 ± 0.0233 | 0.306 ± 0.05 | 0.0567 | 103 | 0.14 |
| Metazachlor oxanilic acid (Metazachlor-OA) | µg/l | 0.345 ± 0.0304 | 0.366 ± 0.055 | 0.0725 | 106 | 0.29 |

Summary of results Pesticides H119

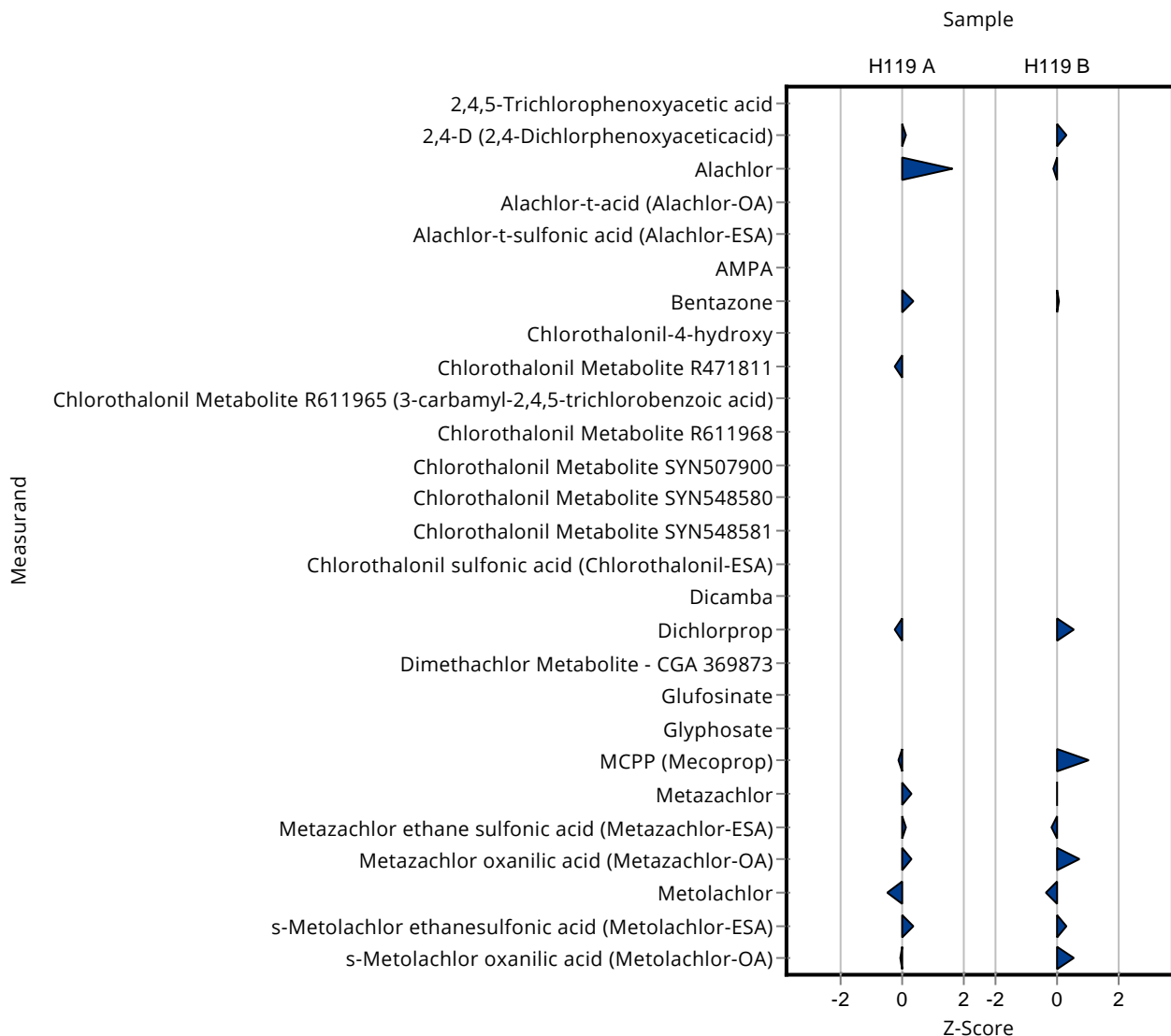
Labcode: LC0003

| Parameter | Unit | Assigned value ± U (k=2) | Result ± U | Criterion | Recovery [%] | z-Score |
|---|------|--------------------------|---------------|-----------|--------------|---------|
| Metolachlor | µg/l | 0.123 ± 0.0045 | 0.114 ± 0.02 | 0.0185 | 92.6 | -0.49 |
| s-Metolachlor ethanesulfonic acid (Metolachlor-ESA) | µg/l | 0.333 ± 0.0193 | 0.355 ± 0.055 | 0.0666 | 107 | 0.33 |
| s-Metolachlor oxanilic acid (Metolachlor-OA) | µg/l | 0.573 ± 0.0171 | 0.568 ± 0.085 | 0.0802 | 99.1 | -0.06 |

Sample: H119B

| Parameter | Unit | Assigned value ± U (k=2) | Result ± U | Criterion | Recovery [%] | z-Score |
|--|------|--------------------------|---------------|-----------|--------------|---------|
| 2,4,5-Trichlorophenoxyacetic acid | µg/l | - ± - | 0.282 ± 0.045 | - | - | - |
| 2,4-D (2,4-Dichlorphenoxyaceticacid) | µg/l | 0.312 ± 0.0206 | 0.326 ± 0.05 | 0.0437 | 105 | 0.32 |
| Alachlor | µg/l | 0.287 ± 0.0139 | 0.283 ± 0.045 | 0.0345 | 98.5 | -0.13 |
| Alachlor-t-acid (Alachlor-OA) | µg/l | - ± - | 0.752 ± 0.115 | - | - | - |
| Alachlor-t-sulfonic acid (Alachlor-ESA) | µg/l | - ± - | 0.477 ± 0.075 | - | - | - |
| AMPA | µg/l | 0.308 ± 0.0129 | - ± - | 0.04 | - | - |
| Bentazone | µg/l | 0.449 ± 0.0346 | 0.454 ± 0.07 | 0.0674 | 101 | 0.07 |
| Chlorothalonil-4-hydroxy | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite R471811 | µg/l | 0.637 ± 0.0559 | - ± - | 0.0701 | - | - |
| Chlorothalonil Metabolite R611965 (3-carbamyl-2,4,5-trichlorobenzoic acid) | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite R611968 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite SYN507900 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite SYN548580 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite SYN548581 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil sulfonic acid (Chlorothalonil-ESA) | µg/l | 0.224 ± 0.018 | - ± - | 0.0246 | - | - |
| Dicamba | µg/l | - ± - | 0.548 ± 0.085 | - | - | - |
| Dichlorprop | µg/l | 0.615 ± 0.0303 | 0.655 ± 0.1 | 0.0737 | 107 | 0.55 |
| Dimethachlor Metabolite - CGA 369873 | µg/l | - ± - | 0.406 ± 0.06 | - | - | - |

| Parameter | Unit | Assigned value ± U (k=2) | Result ± U | Criterion Recovery [%] | z-Score |
|---|------|--------------------------|---------------|------------------------|---------|
| Glufosinate | µg/l | - ± - | - ± - | - | - |
| Glyphosate | µg/l | 0.517 ± 0.0538 | - ± - | 0.103 | - |
| MCPP (Mecoprop) | µg/l | 0.315 ± 0.0145 | 0.358 ± 0.055 | 0.041 | 114 |
| Metazachlor | µg/l | 0.413 ± 0.00694 | 0.413 ± 0.065 | 0.0495 | 100 |
| Metazachlor ethane sulfonic acid (Metazachlor-ESA) | µg/l | 0.13 ± 0.0077 | 0.126 ± 0.02 | 0.0248 | 96.7 |
| Metazachlor oxanilic acid (Metazachlor-OA) | µg/l | 0.14 ± 0.0186 | 0.161 ± 0.025 | 0.0295 | 115 |
| Metolachlor | µg/l | 0.378 ± 0.0128 | 0.359 ± 0.055 | 0.0567 | 95.1 |
| s-Metolachlor ethanesulfonic acid (Metolachlor-ESA) | µg/l | 0.222 ± 0.0102 | 0.236 ± 0.04 | 0.0443 | 107 |
| s-Metolachlor oxanilic acid (Metolachlor-OA) | µg/l | 0.314 ± 0.0144 | 0.337 ± 0.05 | 0.0439 | 107 |



Sample: H119A

| Parameter | Unit | Assigned value ± U (k=2) | Result ± U | Criterion | Recovery [%] | En-Score |
|--|------|--------------------------|---------------|-----------|--------------|----------|
| 2,4,5-Trichlorophenoxyacetic acid | µg/l | - ± - | 0.263 ± 0.04 | - | - | - |
| 2,4-D (2,4-Dichlorphenoxyaceticacid) | µg/l | 0.317 ± 0.0271 | 0.321 ± 0.05 | 0.0444 | 101 | 0.04 |
| Alachlor | µg/l | 0.297 ± 0.0282 | 0.354 ± 0.055 | 0.0356 | 119 | 0.51 |
| Alachlor-t-acid (Alachlor-OA) | µg/l | - ± - | 0.205 ± 0.03 | - | - | - |
| Alachlor-t-sulfonic acid (Alachlor-ESA) | µg/l | - ± - | 0.159 ± 0.025 | - | - | - |
| AMPA | µg/l | 0.622 ± 0.0447 | - ± - | 0.0808 | - | - |
| Bentazone | µg/l | 0.216 ± 0.0126 | 0.228 ± 0.035 | 0.0323 | 106 | 0.18 |
| Chlorothalonil-4-hydroxy | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite R471811 | µg/l | 0.479 ± 0.0341 | 0.467 ± 0.07 | 0.0479 | 97.5 | -0.08 |
| Chlorothalonil Metabolite R611965 (3-carbamyl-2,4,5-trichlorobenzoic acid) | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite R611968 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite SYN507900 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite SYN548580 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite SYN548581 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil sulfonic acid (Chlorothalonil-ESA) | µg/l | 0.447 ± 0.032 | - ± - | 0.0447 | - | - |
| Dicamba | µg/l | - ± - | 0.531 ± 0.08 | - | - | - |
| Dichlorprop | µg/l | 0.361 ± 0.0153 | 0.349 ± 0.055 | 0.0433 | 96.8 | -0.10 |
| Dimethachlor Metabolite - CGA 369873 | µg/l | - ± - | 0.369 ± 0.06 | - | - | - |

Summary of results Pesticides H119 - En-Score

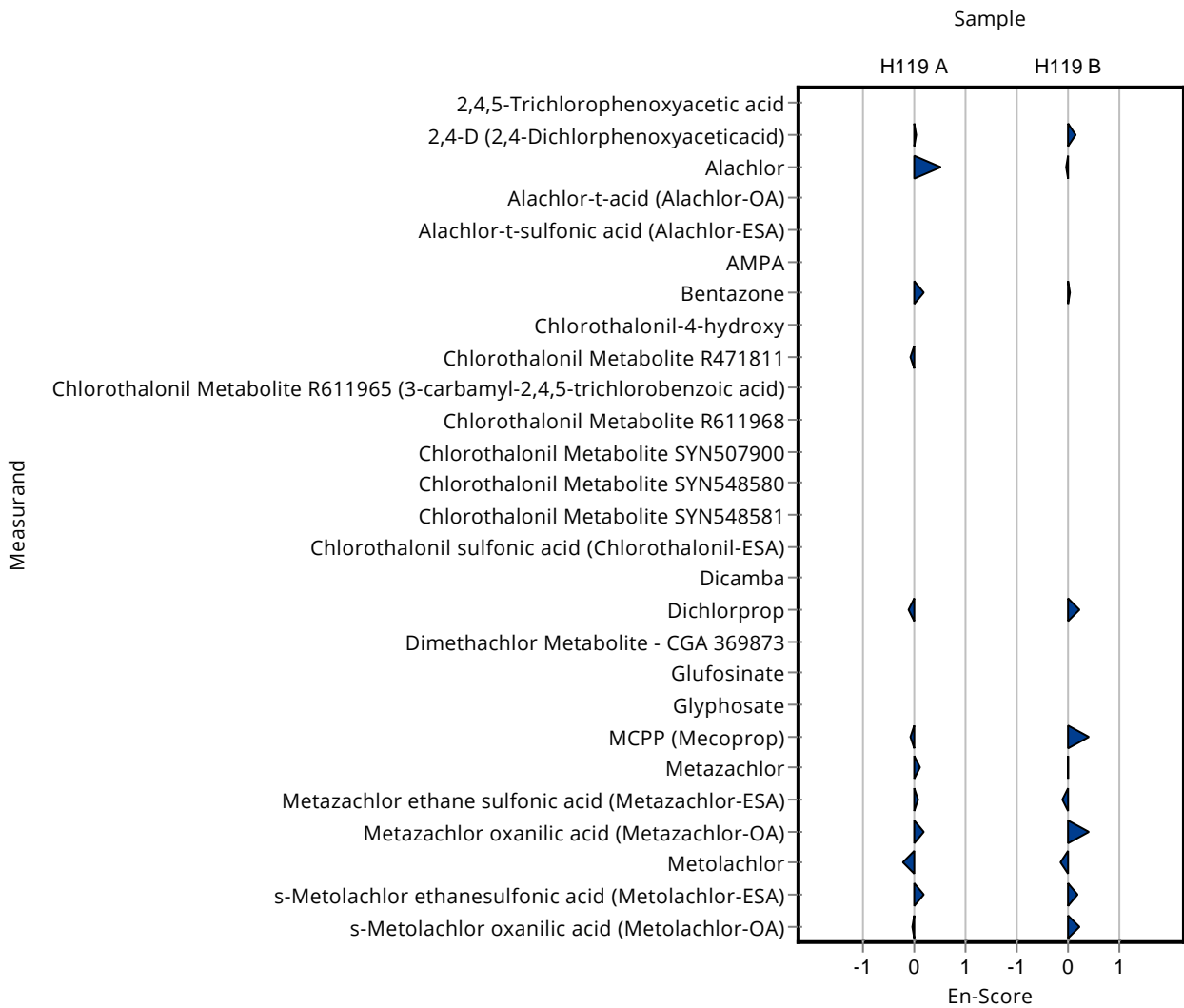
Labcode: LC0003

| Parameter | Unit | Assigned value ± U (k=2) | Result ± U | Criterion | Recovery [%] | En-Score |
|---|------|--------------------------|---------------|-----------|--------------|----------|
| Glufosinate | µg/l | - ± - | - ± - | - | - | - |
| Glyphosate | µg/l | 0.219 ± 0.0216 | - ± - | 0.0438 | - | - |
| MCPP (Mecoprop) | µg/l | 0.189 ± 0.006 | 0.185 ± 0.03 | 0.0245 | 98.1 | -0.06 |
| Metazachlor | µg/l | 0.201 ± 0.00507 | 0.209 ± 0.03 | 0.0242 | 104 | 0.13 |
| Metazachlor ethane sulfonic acid (Metazachlor-ESA) | µg/l | 0.298 ± 0.0233 | 0.306 ± 0.05 | 0.0567 | 103 | 0.08 |
| Metazachlor oxanilic acid (Metazachlor-OA) | µg/l | 0.345 ± 0.0304 | 0.366 ± 0.055 | 0.0725 | 106 | 0.18 |
| Metolachlor | µg/l | 0.123 ± 0.0045 | 0.114 ± 0.02 | 0.0185 | 92.6 | -0.23 |
| s-Metolachlor ethanesulfonic acid (Metolachlor-ESA) | µg/l | 0.333 ± 0.0193 | 0.355 ± 0.055 | 0.0666 | 107 | 0.20 |
| s-Metolachlor oxanilic acid (Metolachlor-OA) | µg/l | 0.573 ± 0.0171 | 0.568 ± 0.085 | 0.0802 | 99.1 | -0.03 |

Sample: H119B

| Parameter | Unit | Assigned value ± U (k=2) | Result ± U | Criterion | Recovery [%] | En-Score |
|---|------|--------------------------|---------------|-----------|--------------|----------|
| 2,4,5-Trichlorophenoxyacetic acid | µg/l | - ± - | 0.282 ± 0.045 | - | - | - |
| 2,4-D (2,4-Dichlorphenoxyaceticacid) | µg/l | 0.312 ± 0.0206 | 0.326 ± 0.05 | 0.0437 | 105 | 0.14 |
| Alachlor | µg/l | 0.287 ± 0.0139 | 0.283 ± 0.045 | 0.0345 | 98.5 | -0.05 |
| Alachlor-t-acid (Alachlor-OA) | µg/l | - ± - | 0.752 ± 0.115 | - | - | - |
| Alachlor-t-sulfonic acid (Alachlor-ESA) | µg/l | - ± - | 0.477 ± 0.075 | - | - | - |
| AMPA | µg/l | 0.308 ± 0.0129 | - ± - | 0.04 | - | - |
| Bentazone | µg/l | 0.449 ± 0.0346 | 0.454 ± 0.07 | 0.0674 | 101 | 0.03 |
| Chlorothalonil-4-hydroxy | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite R471811 | µg/l | 0.637 ± 0.0559 | - ± - | 0.0701 | - | - |

| Parameter | Unit | Assigned value ± U (k=2) | Result ± U | Criterion Recovery [%] | En-Score |
|--|------|--------------------------|---------------|------------------------|----------|
| Chlorothalonil Metabolite R611965 (3-carbamyl-2,4,5-trichlorobenzoic acid) | µg/l | - ± - | - ± - | - | - |
| Chlorothalonil Metabolite R611968 | µg/l | - ± - | - ± - | - | - |
| Chlorothalonil Metabolite SYN507900 | µg/l | - ± - | - ± - | - | - |
| Chlorothalonil Metabolite SYN548580 | µg/l | - ± - | - ± - | - | - |
| Chlorothalonil Metabolite SYN548581 | µg/l | - ± - | - ± - | - | - |
| Chlorothalonil sulfonic acid (Chlorothalonil-ESA) | µg/l | 0.224 ± 0.018 | - ± - | 0.0246 | - |
| Dicamba | µg/l | - ± - | 0.548 ± 0.085 | - | - |
| Dichlorprop | µg/l | 0.615 ± 0.0303 | 0.655 ± 0.1 | 0.0737 | 107 |
| Dimethachlor Metabolite - CGA 369873 | µg/l | - ± - | 0.406 ± 0.06 | - | - |
| Glufosinate | µg/l | - ± - | - ± - | - | - |
| Glyphosate | µg/l | 0.517 ± 0.0538 | - ± - | 0.103 | - |
| MCPP (Mecoprop) | µg/l | 0.315 ± 0.0145 | 0.358 ± 0.055 | 0.041 | 114 |
| Metazachlor | µg/l | 0.413 ± 0.00694 | 0.413 ± 0.065 | 0.0495 | 100 |
| Metazachlor ethane sulfonic acid (Metazachlor-ESA) | µg/l | 0.13 ± 0.0077 | 0.126 ± 0.02 | 0.0248 | 96.7 |
| Metazachlor oxanilic acid (Metazachlor-OA) | µg/l | 0.14 ± 0.0186 | 0.161 ± 0.025 | 0.0295 | 115 |
| Metolachlor | µg/l | 0.378 ± 0.0128 | 0.359 ± 0.055 | 0.0567 | 95.1 |
| s-Metolachlor ethanesulfonic acid (Metolachlor-ESA) | µg/l | 0.222 ± 0.0102 | 0.236 ± 0.04 | 0.0443 | 107 |
| s-Metolachlor oxanilic acid (Metolachlor-OA) | µg/l | 0.314 ± 0.0144 | 0.337 ± 0.05 | 0.0439 | 107 |



Sample: H119A

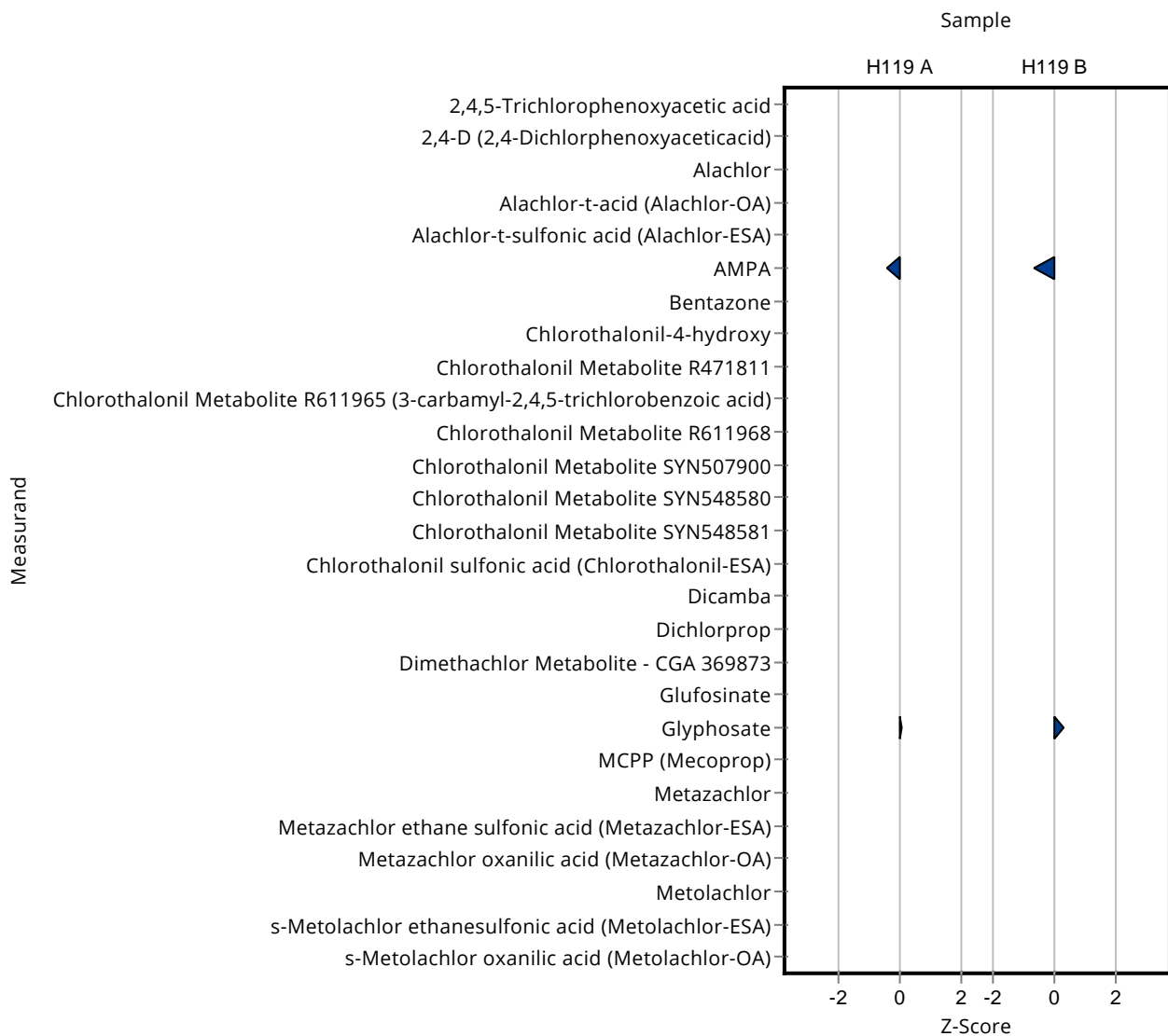
| Parameter | Unit | Assigned value ± U (k=2) | Result ± U | Criterion | Recovery [%] | z-Score |
|--|------|--------------------------|---------------|-----------|--------------|---------|
| 2,4,5-Trichlorophenoxyacetic acid | µg/l | - ± - | - ± - | - | - | - |
| 2,4-D (2,4-Dichlorphenoxyaceticacid) | µg/l | 0.317 ± 0.0271 | - ± - | 0.0444 | - | - |
| Alachlor | µg/l | 0.297 ± 0.0282 | - ± - | 0.0356 | - | - |
| Alachlor-t-acid (Alachlor-OA) | µg/l | - ± - | - ± - | - | - | - |
| Alachlor-t-sulfonic acid (Alachlor-ESA) | µg/l | - ± - | - ± - | - | - | - |
| AMPA | µg/l | 0.622 ± 0.0447 | 0.585 ± 0.054 | 0.0808 | 94.1 | -0.46 |
| Bentazone | µg/l | 0.216 ± 0.0126 | - ± - | 0.0323 | - | - |
| Chlorothalonil-4-hydroxy | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite R471811 | µg/l | 0.479 ± 0.0341 | - ± - | 0.0479 | - | - |
| Chlorothalonil Metabolite R611965 (3-carbamyl-2,4,5-trichlorobenzoic acid) | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite R611968 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite SYN507900 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite SYN548580 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite SYN548581 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil sulfonic acid (Chlorothalonil-ESA) | µg/l | 0.447 ± 0.032 | - ± - | 0.0447 | - | - |
| Dicamba | µg/l | - ± - | - ± - | - | - | - |
| Dichlorprop | µg/l | 0.361 ± 0.0153 | - ± - | 0.0433 | - | - |
| Dimethachlor Metabolite - CGA 369873 | µg/l | - ± - | - ± - | - | - | - |
| Glufosinate | µg/l | - ± - | - ± - | - | - | - |
| Glyphosate | µg/l | 0.219 ± 0.0216 | 0.222 ± 0.018 | 0.0438 | 101 | 0.07 |
| MCPP (Mecoprop) | µg/l | 0.189 ± 0.006 | - ± - | 0.0245 | - | - |
| Metazachlor | µg/l | 0.201 ± 0.00507 | - ± - | 0.0242 | - | - |
| Metazachlor ethane sulfonic acid (Metazachlor-ESA) | µg/l | 0.298 ± 0.0233 | - ± - | 0.0567 | - | - |
| Metazachlor oxanilic acid (Metazachlor-OA) | µg/l | 0.345 ± 0.0304 | - ± - | 0.0725 | - | - |

| Parameter | Unit | Assigned value ± U (k=2) | Result ± U | Criterion | Recovery [%] | z-Score |
|---|------|--------------------------|------------|-----------|--------------|---------|
| Metolachlor | µg/l | 0.123 ± 0.0045 | - ± - | 0.0185 | - | - |
| s-Metolachlor ethanesulfonic acid (Metolachlor-ESA) | µg/l | 0.333 ± 0.0193 | - ± - | 0.0666 | - | - |
| s-Metolachlor oxanilic acid (Metolachlor-OA) | µg/l | 0.573 ± 0.0171 | - ± - | 0.0802 | - | - |

Sample: H119B

| Parameter | Unit | Assigned value ± U (k=2) | Result ± U | Criterion | Recovery [%] | z-Score |
|--|------|--------------------------|---------------|-----------|--------------|---------|
| 2,4,5-Trichlorophenoxyacetic acid | µg/l | - ± - | - ± - | - | - | - |
| 2,4-D (2,4-Dichlorphenoxyacetic acid) | µg/l | 0.312 ± 0.0206 | - ± - | 0.0437 | - | - |
| Alachlor | µg/l | 0.287 ± 0.0139 | - ± - | 0.0345 | - | - |
| Alachlor-t-acid (Alachlor-OA) | µg/l | - ± - | - ± - | - | - | - |
| Alachlor-t-sulfonic acid (Alachlor-ESA) | µg/l | - ± - | - ± - | - | - | - |
| AMPA | µg/l | 0.308 ± 0.0129 | 0.281 ± 0.026 | 0.04 | 91.3 | -0.67 |
| Bentazone | µg/l | 0.449 ± 0.0346 | - ± - | 0.0674 | - | - |
| Chlorothalonil-4-hydroxy | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite R471811 | µg/l | 0.637 ± 0.0559 | - ± - | 0.0701 | - | - |
| Chlorothalonil Metabolite R611965 (3-carbamyl-2,4,5-trichlorobenzoic acid) | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite R611968 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite SYN507900 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite SYN548580 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite SYN548581 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil sulfonic acid (Chlorothalonil-ESA) | µg/l | 0.224 ± 0.018 | - ± - | 0.0246 | - | - |
| Dicamba | µg/l | - ± - | - ± - | - | - | - |
| Dichlorprop | µg/l | 0.615 ± 0.0303 | - ± - | 0.0737 | - | - |
| Dimethachlor Metabolite - CGA 369873 | µg/l | - ± - | - ± - | - | - | - |

| Parameter | Unit | Assigned value ± U (k=2) | Result ± U | Criterion | Recovery [%] | z-Score |
|---|------|--------------------------|---------------|-----------|--------------|---------|
| Glufosinate | µg/l | - ± - | - ± - | - | - | - |
| Glyphosate | µg/l | 0.517 ± 0.0538 | 0.551 ± 0.045 | 0.103 | 107 | 0.33 |
| MCPP (Mecoprop) | µg/l | 0.315 ± 0.0145 | - ± - | 0.041 | - | - |
| Metazachlor | µg/l | 0.413 ± 0.00694 | - ± - | 0.0495 | - | - |
| Metazachlor ethane sulfonic acid (Metazachlor-ESA) | µg/l | 0.13 ± 0.0077 | - ± - | 0.0248 | - | - |
| Metazachlor oxanilic acid (Metazachlor-OA) | µg/l | 0.14 ± 0.0186 | - ± - | 0.0295 | - | - |
| Metolachlor | µg/l | 0.378 ± 0.0128 | - ± - | 0.0567 | - | - |
| s-Metolachlor ethanesulfonic acid (Metolachlor-ESA) | µg/l | 0.222 ± 0.0102 | - ± - | 0.0443 | - | - |
| s-Metolachlor oxanilic acid (Metolachlor-OA) | µg/l | 0.314 ± 0.0144 | - ± - | 0.0439 | - | - |



Sample: H119A

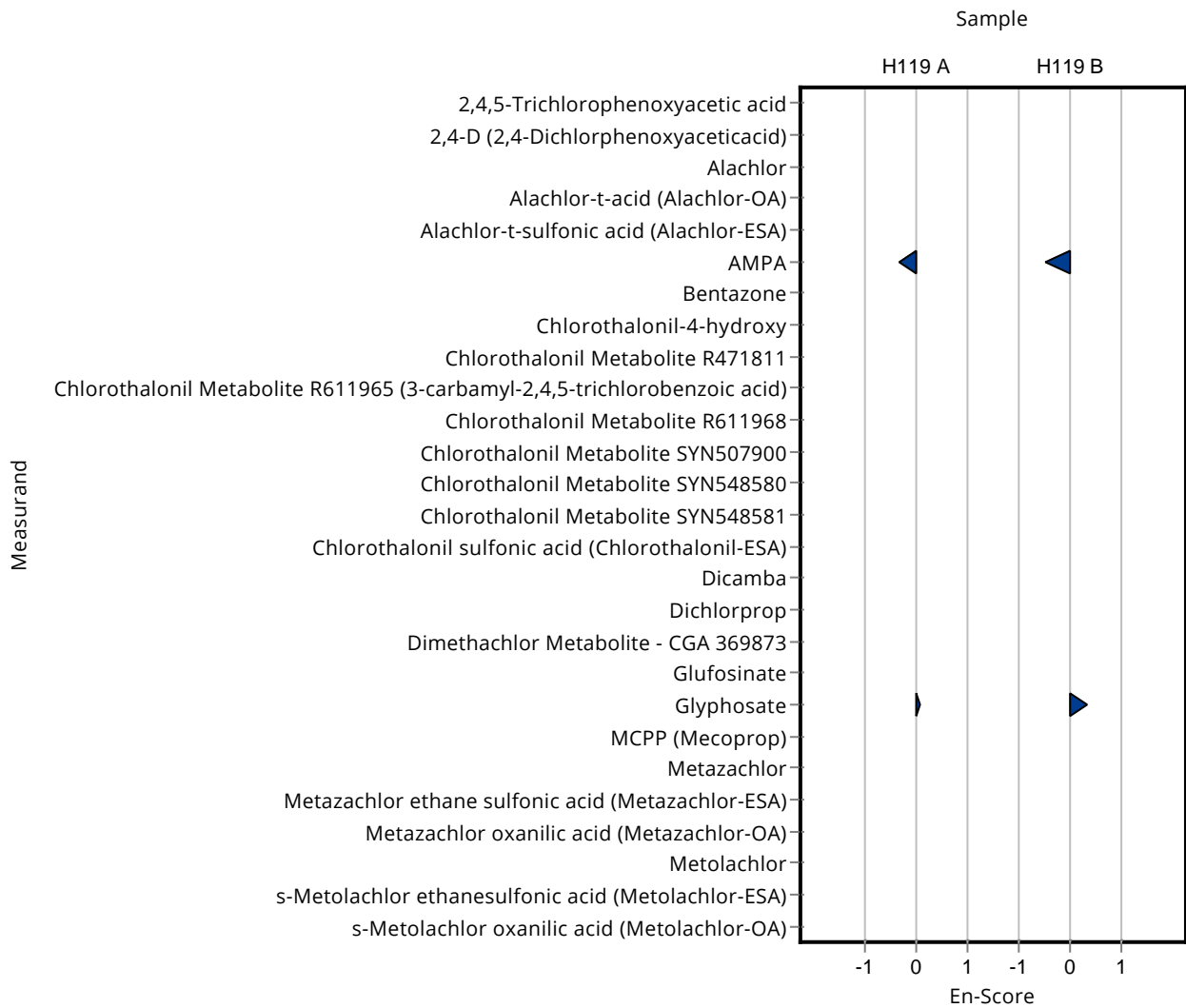
| Parameter | Unit | Assigned value ± U (k=2) | Result ± U | Criterion | Recovery [%] | En-Score |
|--|------|--------------------------|---------------|-----------|--------------|----------|
| 2,4,5-Trichlorophenoxyacetic acid | µg/l | - ± - | - ± - | - | - | - |
| 2,4-D (2,4-Dichlorphenoxyaceticacid) | µg/l | 0.317 ± 0.0271 | - ± - | 0.0444 | - | - |
| Alachlor | µg/l | 0.297 ± 0.0282 | - ± - | 0.0356 | - | - |
| Alachlor-t-acid (Alachlor-OA) | µg/l | - ± - | - ± - | - | - | - |
| Alachlor-t-sulfonic acid (Alachlor-ESA) | µg/l | - ± - | - ± - | - | - | - |
| AMPA | µg/l | 0.622 ± 0.0447 | 0.585 ± 0.054 | 0.0808 | 94.1 | -0.32 |
| Bentazone | µg/l | 0.216 ± 0.0126 | - ± - | 0.0323 | - | - |
| Chlorothalonil-4-hydroxy | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite R471811 | µg/l | 0.479 ± 0.0341 | - ± - | 0.0479 | - | - |
| Chlorothalonil Metabolite R611965 (3-carbamyl-2,4,5-trichlorobenzoic acid) | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite R611968 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite SYN507900 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite SYN548580 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite SYN548581 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil sulfonic acid (Chlorothalonil-ESA) | µg/l | 0.447 ± 0.032 | - ± - | 0.0447 | - | - |
| Dicamba | µg/l | - ± - | - ± - | - | - | - |
| Dichlorprop | µg/l | 0.361 ± 0.0153 | - ± - | 0.0433 | - | - |
| Dimethachlor Metabolite - CGA 369873 | µg/l | - ± - | - ± - | - | - | - |

| Parameter | Unit | Assigned value ± U (k=2) | Result ± U | Criterion | Recovery [%] | En-Score |
|---|------|--------------------------|---------------|-----------|--------------|----------|
| Glufosinate | µg/l | - ± - | - ± - | - | - | - |
| Glyphosate | µg/l | 0.219 ± 0.0216 | 0.222 ± 0.018 | 0.0438 | 101 | 0.07 |
| MCPPP (Mecoprop) | µg/l | 0.189 ± 0.006 | - ± - | 0.0245 | - | - |
| Metazachlor | µg/l | 0.201 ± 0.00507 | - ± - | 0.0242 | - | - |
| Metazachlor ethane sulfonic acid (Metazachlor-ESA) | µg/l | 0.298 ± 0.0233 | - ± - | 0.0567 | - | - |
| Metazachlor oxanilic acid (Metazachlor-OA) | µg/l | 0.345 ± 0.0304 | - ± - | 0.0725 | - | - |
| Metolachlor | µg/l | 0.123 ± 0.0045 | - ± - | 0.0185 | - | - |
| s-Metolachlor ethanesulfonic acid (Metolachlor-ESA) | µg/l | 0.333 ± 0.0193 | - ± - | 0.0666 | - | - |
| s-Metolachlor oxanilic acid (Metolachlor-OA) | µg/l | 0.573 ± 0.0171 | - ± - | 0.0802 | - | - |

Sample: H119B

| Parameter | Unit | Assigned value ± U (k=2) | Result ± U | Criterion | Recovery [%] | En-Score |
|---|------|--------------------------|---------------|-----------|--------------|----------|
| 2,4,5-Trichlorophenoxyacetic acid | µg/l | - ± - | - ± - | - | - | - |
| 2,4-D (2,4-Dichlorphenoxyaceticacid) | µg/l | 0.312 ± 0.0206 | - ± - | 0.0437 | - | - |
| Alachlor | µg/l | 0.287 ± 0.0139 | - ± - | 0.0345 | - | - |
| Alachlor-t-acid (Alachlor-OA) | µg/l | - ± - | - ± - | - | - | - |
| Alachlor-t-sulfonic acid (Alachlor-ESA) | µg/l | - ± - | - ± - | - | - | - |
| AMPA | µg/l | 0.308 ± 0.0129 | 0.281 ± 0.026 | 0.04 | 91.3 | -0.50 |
| Bentazone | µg/l | 0.449 ± 0.0346 | - ± - | 0.0674 | - | - |
| Chlorothalonil-4-hydroxy | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite R471811 | µg/l | 0.637 ± 0.0559 | - ± - | 0.0701 | - | - |

| Parameter | Unit | Assigned value ± U (k=2) | Result ± U | Criterion Recovery [%] | En-Score |
|--|------|--------------------------|---------------|------------------------|----------|
| Chlorothalonil Metabolite R611965 (3-carbamyl-2,4,5-trichlorobenzoic acid) | µg/l | - ± - | - ± - | - | - |
| Chlorothalonil Metabolite R611968 | µg/l | - ± - | - ± - | - | - |
| Chlorothalonil Metabolite SYN507900 | µg/l | - ± - | - ± - | - | - |
| Chlorothalonil Metabolite SYN548580 | µg/l | - ± - | - ± - | - | - |
| Chlorothalonil Metabolite SYN548581 | µg/l | - ± - | - ± - | - | - |
| Chlorothalonil sulfonic acid (Chlorothalonil-ESA) | µg/l | 0.224 ± 0.018 | - ± - | 0.0246 | - |
| Dicamba | µg/l | - ± - | - ± - | - | - |
| Dichlorprop | µg/l | 0.615 ± 0.0303 | - ± - | 0.0737 | - |
| Dimethachlor Metabolite - CGA 369873 | µg/l | - ± - | - ± - | - | - |
| Glufosinate | µg/l | - ± - | - ± - | - | - |
| Glyphosate | µg/l | 0.517 ± 0.0538 | 0.551 ± 0.045 | 0.103 | 107 |
| MCPP (Mecoprop) | µg/l | 0.315 ± 0.0145 | - ± - | 0.041 | - |
| Metazachlor | µg/l | 0.413 ± 0.00694 | - ± - | 0.0495 | - |
| Metazachlor ethane sulfonic acid (Metazachlor-ESA) | µg/l | 0.13 ± 0.0077 | - ± - | 0.0248 | - |
| Metazachlor oxanilic acid (Metazachlor-OA) | µg/l | 0.14 ± 0.0186 | - ± - | 0.0295 | - |
| Metolachlor | µg/l | 0.378 ± 0.0128 | - ± - | 0.0567 | - |
| s-Metolachlor ethanesulfonic acid (Metolachlor-ESA) | µg/l | 0.222 ± 0.0102 | - ± - | 0.0443 | - |
| s-Metolachlor oxanilic acid (Metolachlor-OA) | µg/l | 0.314 ± 0.0144 | - ± - | 0.0439 | - |



Sample: H119A

| Parameter | Unit | Assigned value ± U (k=2) | Result ± U | Criterion | Recovery [%] | z-Score |
|--|------|--------------------------|---------------|-----------|--------------|---------|
| 2,4,5-Trichlorophenoxyacetic acid | µg/l | - ± - | 0.349 ± 0.077 | - | - | - |
| 2,4-D (2,4-Dichlorphenoxyaceticacid) | µg/l | 0.317 ± 0.0271 | 0.415 ± 0.091 | 0.0444 | 131 | 2.21 |
| Alachlor | µg/l | 0.297 ± 0.0282 | 0.358 ± 0.079 | 0.0356 | 121 | 1.73 |
| Alachlor-t-acid (Alachlor-OA) | µg/l | - ± - | - ± - | - | - | - |
| Alachlor-t-sulfonic acid (Alachlor-ESA) | µg/l | - ± - | - ± - | - | - | - |
| AMPA | µg/l | 0.622 ± 0.0447 | 0.63 ± 0.16 | 0.0808 | 101 | 0.10 |
| Bentazone | µg/l | 0.216 ± 0.0126 | 0.243 ± 0.053 | 0.0323 | 113 | 0.85 |
| Chlorothalonil-4-hydroxy | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite R471811 | µg/l | 0.479 ± 0.0341 | - ± - | 0.0479 | - | - |
| Chlorothalonil Metabolite R611965 (3-carbamyl-2,4,5-trichlorobenzoic acid) | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite R611968 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite SYN507900 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite SYN548580 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite SYN548581 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil sulfonic acid (Chlorothalonil-ESA) | µg/l | 0.447 ± 0.032 | - ± - | 0.0447 | - | - |
| Dicamba | µg/l | - ± - | 0.743 ± 0.163 | - | - | - |
| Dichlorprop | µg/l | 0.361 ± 0.0153 | - ± - | 0.0433 | - | - |
| Dimethachlor Metabolite - CGA 369873 | µg/l | - ± - | - ± - | - | - | - |
| Glufosinate | µg/l | - ± - | 0.57 ± 0.09 | - | - | - |
| Glyphosate | µg/l | 0.219 ± 0.0216 | 0.21 ± 0.04 | 0.0438 | 95.9 | -0.20 |
| MCPP (Mecoprop) | µg/l | 0.189 ± 0.006 | 0.261 ± 0.057 | 0.0245 | 138 | 2.96 |
| Metazachlor | µg/l | 0.201 ± 0.00507 | 0.203 ± 0.045 | 0.0242 | 101 | 0.07 |
| Metazachlor ethane sulfonic acid (Metazachlor-ESA) | µg/l | 0.298 ± 0.0233 | - ± - | 0.0567 | - | - |
| Metazachlor oxanilic acid (Metazachlor-OA) | µg/l | 0.345 ± 0.0304 | - ± - | 0.0725 | - | - |

Summary of results Pesticides H119

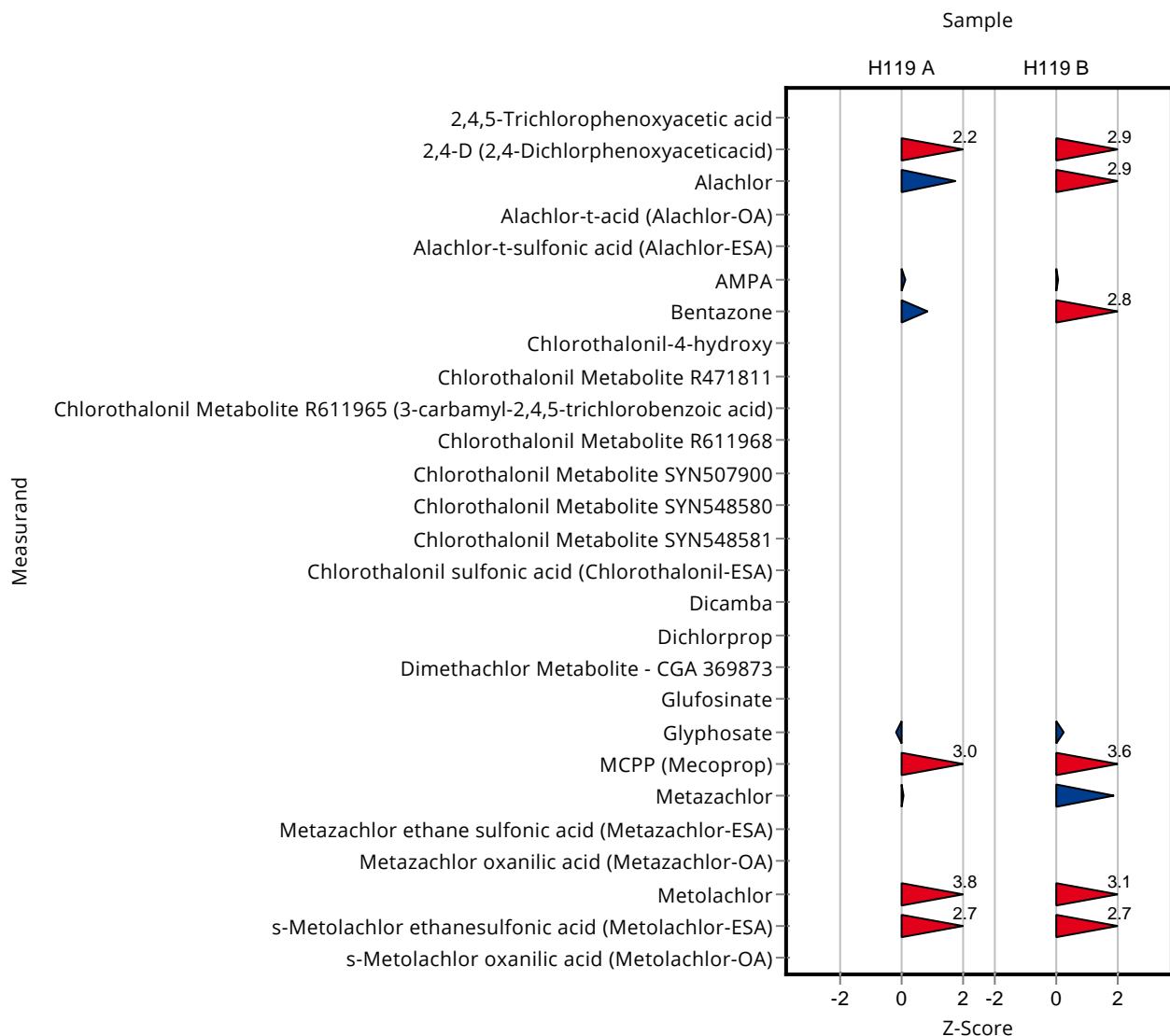
Labcode: LC0005

| Parameter | Unit | Assigned value ± U (k=2) | Result ± U | Criterion | Recovery [%] | z-Score |
|---|------|--------------------------|---------------|-----------|--------------|---------|
| Metolachlor | µg/l | 0.123 ± 0.0045 | 0.194 ± 0.043 | 0.0185 | 158 | 3.84 |
| s-Metolachlor ethanesulfonic acid (Metolachlor-ESA) | µg/l | 0.333 ± 0.0193 | 0.511 ± 0.112 | 0.0666 | 153 | 2.67 |
| s-Metolachlor oxanilic acid (Metolachlor-OA) | µg/l | 0.573 ± 0.0171 | - ± - | 0.0802 | - | - |

Sample: H119B

| Parameter | Unit | Assigned value ± U (k=2) | Result ± U | Criterion | Recovery [%] | z-Score |
|--|------|--------------------------|---------------|-----------|--------------|---------|
| 2,4,5-Trichlorophenoxyacetic acid | µg/l | - ± - | 0.385 ± 0.085 | - | - | - |
| 2,4-D (2,4-Dichlorphenoxyacetic acid) | µg/l | 0.312 ± 0.0206 | 0.439 ± 0.097 | 0.0437 | 141 | 2.91 |
| Alachlor | µg/l | 0.287 ± 0.0139 | 0.389 ± 0.086 | 0.0345 | 135 | 2.94 |
| Alachlor-t-acid (Alachlor-OA) | µg/l | - ± - | - ± - | - | - | - |
| Alachlor-t-sulfonic acid (Alachlor-ESA) | µg/l | - ± - | - ± - | - | - | - |
| AMPA | µg/l | 0.308 ± 0.0129 | 0.31 ± 0.08 | 0.04 | 101 | 0.06 |
| Bentazone | µg/l | 0.449 ± 0.0346 | 0.64 ± 0.141 | 0.0674 | 142 | 2.83 |
| Chlorothalonil-4-hydroxy | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite R471811 | µg/l | 0.637 ± 0.0559 | - ± - | 0.0701 | - | - |
| Chlorothalonil Metabolite R611965 (3-carbamyl-2,4,5-trichlorobenzoic acid) | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite R611968 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite SYN507900 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite SYN548580 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite SYN548581 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil sulfonic acid (Chlorothalonil-ESA) | µg/l | 0.224 ± 0.018 | - ± - | 0.0246 | - | - |
| Dicamba | µg/l | - ± - | 0.783 ± 0.172 | - | - | - |
| Dichlorprop | µg/l | 0.615 ± 0.0303 | - ± - | 0.0737 | - | - |
| Dimethachlor Metabolite - CGA 369873 | µg/l | - ± - | - ± - | - | - | - |

| Parameter | Unit | Assigned value ± U (k=2) | Result ± U | Criterion | Recovery [%] | z-Score |
|---|------|--------------------------|---------------|-----------|--------------|---------|
| Glufosinate | µg/l | - ± - | 0.43 ± 0.07 | - | - | - |
| Glyphosate | µg/l | 0.517 ± 0.0538 | 0.54 ± 0.1 | 0.103 | 104 | 0.22 |
| MCP (Mecoprop) | µg/l | 0.315 ± 0.0145 | 0.463 ± 0.102 | 0.041 | 147 | 3.61 |
| Metazachlor | µg/l | 0.413 ± 0.00694 | 0.507 ± 0.112 | 0.0495 | 123 | 1.90 |
| Metazachlor ethane sulfonic acid (Metazachlor-ESA) | µg/l | 0.13 ± 0.0077 | - ± - | 0.0248 | - | - |
| Metazachlor oxanilic acid (Metazachlor-OA) | µg/l | 0.14 ± 0.0186 | - ± - | 0.0295 | - | - |
| Metolachlor | µg/l | 0.378 ± 0.0128 | 0.554 ± 0.122 | 0.0567 | 147 | 3.11 |
| s-Metolachlor ethanesulfonic acid (Metolachlor-ESA) | µg/l | 0.222 ± 0.0102 | 0.34 ± 0.075 | 0.0443 | 153 | 2.67 |
| s-Metolachlor oxanilic acid (Metolachlor-OA) | µg/l | 0.314 ± 0.0144 | - ± - | 0.0439 | - | - |



Sample: H119A

| Parameter | Unit | Assigned value ± U (k=2) | Result ± U | Criterion | Recovery [%] | En-Score |
|--|------|--------------------------|---------------|-----------|--------------|----------|
| 2,4,5-Trichlorophenoxyacetic acid | µg/l | - ± - | 0.349 ± 0.077 | - | - | - |
| 2,4-D (2,4-Dichlorphenoxyaceticacid) | µg/l | 0.317 ± 0.0271 | 0.415 ± 0.091 | 0.0444 | 131 | 0.53 |
| Alachlor | µg/l | 0.297 ± 0.0282 | 0.358 ± 0.079 | 0.0356 | 121 | 0.38 |
| Alachlor-t-acid (Alachlor-OA) | µg/l | - ± - | - ± - | - | - | - |
| Alachlor-t-sulfonic acid (Alachlor-ESA) | µg/l | - ± - | - ± - | - | - | - |
| AMPA | µg/l | 0.622 ± 0.0447 | 0.63 ± 0.16 | 0.0808 | 101 | 0.03 |
| Bentazone | µg/l | 0.216 ± 0.0126 | 0.243 ± 0.053 | 0.0323 | 113 | 0.26 |
| Chlorothalonil-4-hydroxy | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite R471811 | µg/l | 0.479 ± 0.0341 | - ± - | 0.0479 | - | - |
| Chlorothalonil Metabolite R611965 (3-carbamyl-2,4,5-trichlorobenzoic acid) | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite R611968 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite SYN507900 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite SYN548580 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite SYN548581 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil sulfonic acid (Chlorothalonil-ESA) | µg/l | 0.447 ± 0.032 | - ± - | 0.0447 | - | - |
| Dicamba | µg/l | - ± - | 0.743 ± 0.163 | - | - | - |
| Dichlorprop | µg/l | 0.361 ± 0.0153 | - ± - | 0.0433 | - | - |
| Dimethachlor Metabolite - CGA 369873 | µg/l | - ± - | - ± - | - | - | - |

Summary of results Pesticides H119 - En-Score

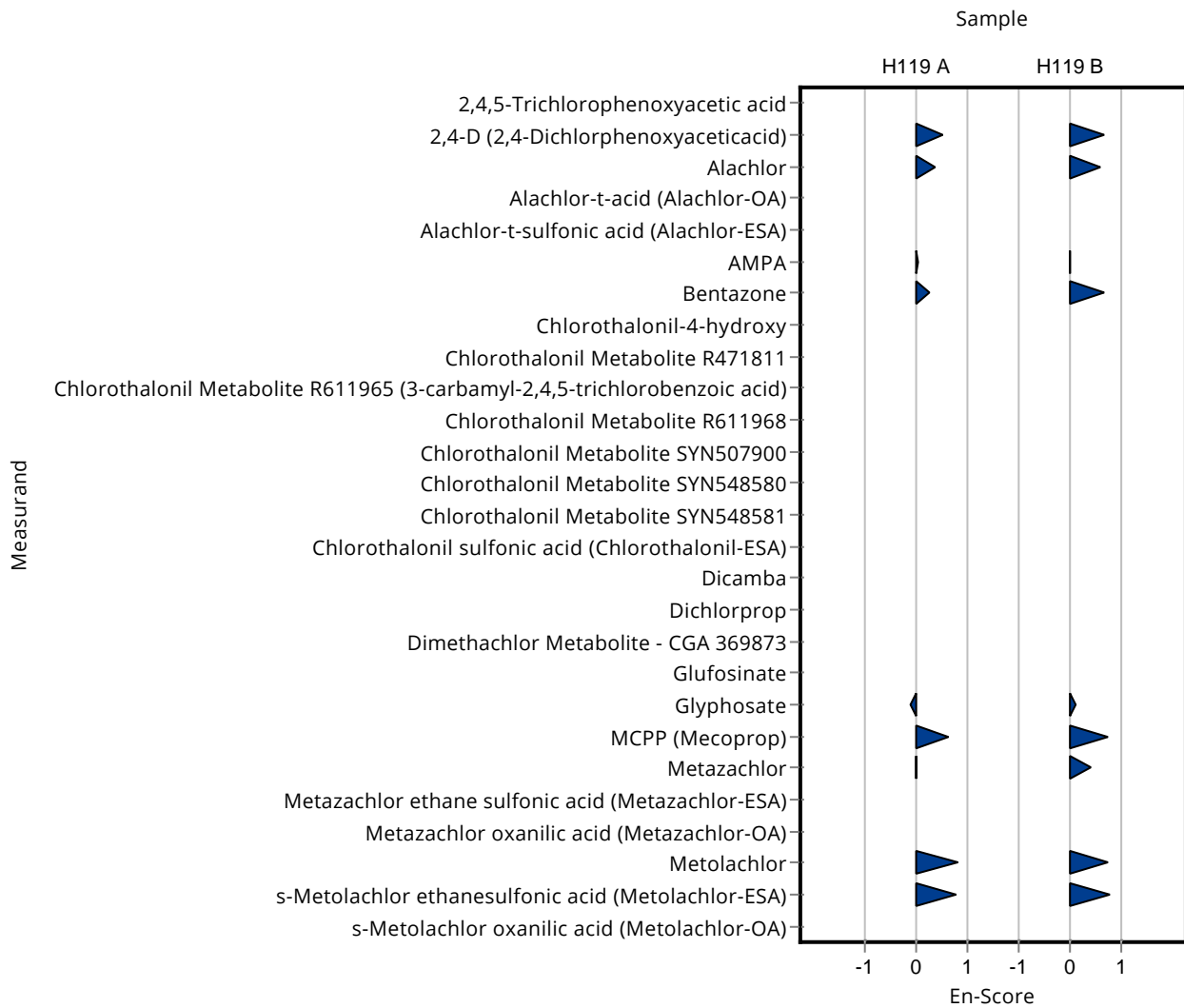
Labcode: LC0005

| Parameter | Unit | Assigned value ± U (k=2) | Result ± U | Criterion | Recovery [%] | En-Score |
|---|------|--------------------------|---------------|-----------|--------------|----------|
| Glufosinate | µg/l | - ± - | 0.57 ± 0.09 | - | - | - |
| Glyphosate | µg/l | 0.219 ± 0.0216 | 0.21 ± 0.04 | 0.0438 | 95.9 | -0.11 |
| MCPP (Mecoprop) | µg/l | 0.189 ± 0.006 | 0.261 ± 0.057 | 0.0245 | 138 | 0.63 |
| Metazachlor | µg/l | 0.201 ± 0.00507 | 0.203 ± 0.045 | 0.0242 | 101 | 0.02 |
| Metazachlor ethane sulfonic acid (Metazachlor-ESA) | µg/l | 0.298 ± 0.0233 | - ± - | 0.0567 | - | - |
| Metazachlor oxanilic acid (Metazachlor-OA) | µg/l | 0.345 ± 0.0304 | - ± - | 0.0725 | - | - |
| Metolachlor | µg/l | 0.123 ± 0.0045 | 0.194 ± 0.043 | 0.0185 | 158 | 0.82 |
| s-Metolachlor ethanesulfonic acid (Metolachlor-ESA) | µg/l | 0.333 ± 0.0193 | 0.511 ± 0.112 | 0.0666 | 153 | 0.79 |
| s-Metolachlor oxanilic acid (Metolachlor-OA) | µg/l | 0.573 ± 0.0171 | - ± - | 0.0802 | - | - |

Sample: H119B

| Parameter | Unit | Assigned value ± U (k=2) | Result ± U | Criterion | Recovery [%] | En-Score |
|---|------|--------------------------|---------------|-----------|--------------|----------|
| 2,4,5-Trichlorophenoxyacetic acid | µg/l | - ± - | 0.385 ± 0.085 | - | - | - |
| 2,4-D (2,4-Dichlorophenoxyacetic acid) | µg/l | 0.312 ± 0.0206 | 0.439 ± 0.097 | 0.0437 | 141 | 0.65 |
| Alachlor | µg/l | 0.287 ± 0.0139 | 0.389 ± 0.086 | 0.0345 | 135 | 0.59 |
| Alachlor-t-acid (Alachlor-OA) | µg/l | - ± - | - ± - | - | - | - |
| Alachlor-t-sulfonic acid (Alachlor-ESA) | µg/l | - ± - | - ± - | - | - | - |
| AMPA | µg/l | 0.308 ± 0.0129 | 0.31 ± 0.08 | 0.04 | 101 | 0.01 |
| Bentazone | µg/l | 0.449 ± 0.0346 | 0.64 ± 0.141 | 0.0674 | 142 | 0.67 |
| Chlorothalonil-4-hydroxy | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite R471811 | µg/l | 0.637 ± 0.0559 | - ± - | 0.0701 | - | - |

| Parameter | Unit | Assigned value ± U (k=2) | Result ± U | Criterion | Recovery [%] | En-Score |
|--|------|--------------------------|---------------|-----------|--------------|----------|
| Chlorothalonil Metabolite R611965 (3-carbamyl-2,4,5-trichlorobenzoic acid) | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite R611968 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite SYN507900 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite SYN548580 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite SYN548581 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil sulfonic acid (Chlorothalonil-ESA) | µg/l | 0.224 ± 0.018 | - ± - | 0.0246 | - | - |
| Dicamba | µg/l | - ± - | 0.783 ± 0.172 | - | - | - |
| Dichlorprop | µg/l | 0.615 ± 0.0303 | - ± - | 0.0737 | - | - |
| Dimethachlor Metabolite - CGA 369873 | µg/l | - ± - | - ± - | - | - | - |
| Glufosinate | µg/l | - ± - | 0.43 ± 0.07 | - | - | - |
| Glyphosate | µg/l | 0.517 ± 0.0538 | 0.54 ± 0.1 | 0.103 | 104 | 0.11 |
| MCPP (Mecoprop) | µg/l | 0.315 ± 0.0145 | 0.463 ± 0.102 | 0.041 | 147 | 0.72 |
| Metazachlor | µg/l | 0.413 ± 0.00694 | 0.507 ± 0.112 | 0.0495 | 123 | 0.42 |
| Metazachlor ethane sulfonic acid (Metazachlor-ESA) | µg/l | 0.13 ± 0.0077 | - ± - | 0.0248 | - | - |
| Metazachlor oxanilic acid (Metazachlor-OA) | µg/l | 0.14 ± 0.0186 | - ± - | 0.0295 | - | - |
| Metolachlor | µg/l | 0.378 ± 0.0128 | 0.554 ± 0.122 | 0.0567 | 147 | 0.72 |
| s-Metolachlor ethanesulfonic acid (Metolachlor-ESA) | µg/l | 0.222 ± 0.0102 | 0.34 ± 0.075 | 0.0443 | 153 | 0.79 |
| s-Metolachlor oxanilic acid (Metolachlor-OA) | µg/l | 0.314 ± 0.0144 | - ± - | 0.0439 | - | - |



Sample: H119A

| Parameter | Unit | Assigned value ± U (k=2) | Result ± U | Criterion | Recovery [%] | z-Score |
|--|------|--------------------------|---------------|-----------|--------------|---------|
| 2,4,5-Trichlorophenoxyacetic acid | µg/l | - ± - | - ± - | - | - | - |
| 2,4-D (2,4-Dichlorphenoxyaceticacid) | µg/l | 0.317 ± 0.0271 | - ± - | 0.0444 | - | - |
| Alachlor | µg/l | 0.297 ± 0.0282 | - ± - | 0.0356 | - | - |
| Alachlor-t-acid (Alachlor-OA) | µg/l | - ± - | - ± - | - | - | - |
| Alachlor-t-sulfonic acid (Alachlor-ESA) | µg/l | - ± - | - ± - | - | - | - |
| AMPA | µg/l | 0.622 ± 0.0447 | 0.628 ± 0.101 | 0.0808 | 101 | 0.08 |
| Bentazone | µg/l | 0.216 ± 0.0126 | - ± - | 0.0323 | - | - |
| Chlorothalonil-4-hydroxy | µg/l | - ± - | 0.66 ± 0.178 | - | - | - |
| Chlorothalonil Metabolite R471811 | µg/l | 0.479 ± 0.0341 | 0.532 ± 0.192 | 0.0479 | 111 | 1.10 |
| Chlorothalonil Metabolite R611965 (3-carbamyl-2,4,5-trichlorobenzoic acid) | µg/l | - ± - | 0.394 ± 0.15 | - | - | - |
| Chlorothalonil Metabolite R611968 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite SYN507900 | µg/l | - ± - | 0.55 ± 0.182 | - | - | - |
| Chlorothalonil Metabolite SYN548580 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite SYN548581 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil sulfonic acid (Chlorothalonil-ESA) | µg/l | 0.447 ± 0.032 | 0.456 ± 0.1 | 0.0447 | 102 | 0.20 |
| Dicamba | µg/l | - ± - | - ± - | - | - | - |
| Dichlorprop | µg/l | 0.361 ± 0.0153 | - ± - | 0.0433 | - | - |
| Dimethachlor Metabolite - CGA 369873 | µg/l | - ± - | - ± - | - | - | - |
| Glufosinate | µg/l | - ± - | - ± - | - | - | - |
| Glyphosate | µg/l | 0.219 ± 0.0216 | 0.202 ± 0.044 | 0.0438 | 92.3 | -0.39 |
| MCPP (Mecoprop) | µg/l | 0.189 ± 0.006 | - ± - | 0.0245 | - | - |
| Metazachlor | µg/l | 0.201 ± 0.00507 | - ± - | 0.0242 | - | - |
| Metazachlor ethane sulfonic acid (Metazachlor-ESA) | µg/l | 0.298 ± 0.0233 | - ± - | 0.0567 | - | - |
| Metazachlor oxanilic acid (Metazachlor-OA) | µg/l | 0.345 ± 0.0304 | - ± - | 0.0725 | - | - |

Summary of results Pesticides H119

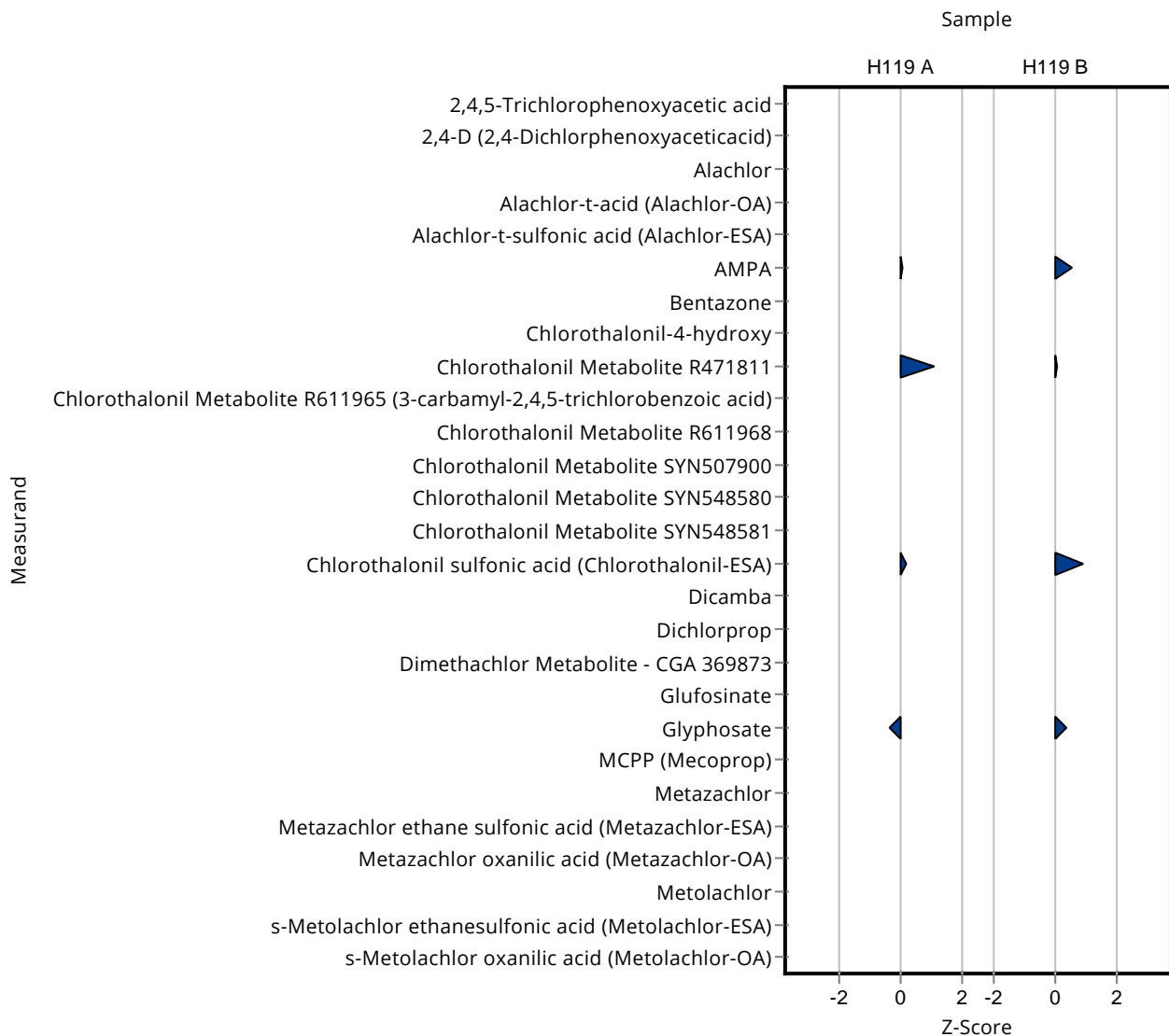
Labcode: LC0006

| Parameter | Unit | Assigned value ± U (k=2) | Result ± U | Criterion | Recovery [%] | z-Score |
|---|------|--------------------------|------------|-----------|--------------|---------|
| Metolachlor | µg/l | 0.123 ± 0.0045 | - ± - | 0.0185 | - | - |
| s-Metolachlor ethanesulfonic acid (Metolachlor-ESA) | µg/l | 0.333 ± 0.0193 | - ± - | 0.0666 | - | - |
| s-Metolachlor oxanilic acid (Metolachlor-OA) | µg/l | 0.573 ± 0.0171 | - ± - | 0.0802 | - | - |

Sample: H119B

| Parameter | Unit | Assigned value ± U (k=2) | Result ± U | Criterion | Recovery [%] | z-Score |
|--|------|--------------------------|---------------|-----------|--------------|---------|
| 2,4,5-Trichlorophenoxyacetic acid | µg/l | - ± - | - ± - | - | - | - |
| 2,4-D (2,4-Dichlorophenoxyacetic acid) | µg/l | 0.312 ± 0.0206 | - ± - | 0.0437 | - | - |
| Alachlor | µg/l | 0.287 ± 0.0139 | - ± - | 0.0345 | - | - |
| Alachlor-t-acid (Alachlor-OA) | µg/l | - ± - | - ± - | - | - | - |
| Alachlor-t-sulfonic acid (Alachlor-ESA) | µg/l | - ± - | - ± - | - | - | - |
| AMPA | µg/l | 0.308 ± 0.0129 | 0.329 ± 0.053 | 0.04 | 107 | 0.53 |
| Bentazone | µg/l | 0.449 ± 0.0346 | - ± - | 0.0674 | - | - |
| Chlorothalonil-4-hydroxy | µg/l | - ± - | 0.5 ± 0.135 | - | - | - |
| Chlorothalonil Metabolite R471811 | µg/l | 0.637 ± 0.0559 | 0.642 ± 0.231 | 0.0701 | 101 | 0.07 |
| Chlorothalonil Metabolite R611965 (3-carbamyl-2,4,5-trichlorobenzoic acid) | µg/l | - ± - | 0.185 ± 0.07 | - | - | - |
| Chlorothalonil Metabolite R611968 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite SYN507900 | µg/l | - ± - | 0.253 ± 0.083 | - | - | - |
| Chlorothalonil Metabolite SYN548580 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite SYN548581 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil sulfonic acid (Chlorothalonil-ESA) | µg/l | 0.224 ± 0.018 | 0.246 ± 0.054 | 0.0246 | 110 | 0.90 |
| Dicamba | µg/l | - ± - | - ± - | - | - | - |
| Dichlorprop | µg/l | 0.615 ± 0.0303 | - ± - | 0.0737 | - | - |
| Dimethachlor Metabolite - CGA 369873 | µg/l | - ± - | - ± - | - | - | - |

| Parameter | Unit | Assigned value ± U (k=2) | Result ± U | Criterion | Recovery [%] | z-Score |
|---|------|--------------------------|---------------|-----------|--------------|---------|
| Glufosinate | µg/l | - ± - | - ± - | - | - | - |
| Glyphosate | µg/l | 0.517 ± 0.0538 | 0.553 ± 0.122 | 0.103 | 107 | 0.35 |
| MCPP (Mecoprop) | µg/l | 0.315 ± 0.0145 | - ± - | 0.041 | - | - |
| Metazachlor | µg/l | 0.413 ± 0.00694 | - ± - | 0.0495 | - | - |
| Metazachlor ethane sulfonic acid (Metazachlor-ESA) | µg/l | 0.13 ± 0.0077 | - ± - | 0.0248 | - | - |
| Metazachlor oxanilic acid (Metazachlor-OA) | µg/l | 0.14 ± 0.0186 | - ± - | 0.0295 | - | - |
| Metolachlor | µg/l | 0.378 ± 0.0128 | - ± - | 0.0567 | - | - |
| s-Metolachlor ethanesulfonic acid (Metolachlor-ESA) | µg/l | 0.222 ± 0.0102 | - ± - | 0.0443 | - | - |
| s-Metolachlor oxanilic acid (Metolachlor-OA) | µg/l | 0.314 ± 0.0144 | - ± - | 0.0439 | - | - |



Sample: H119A

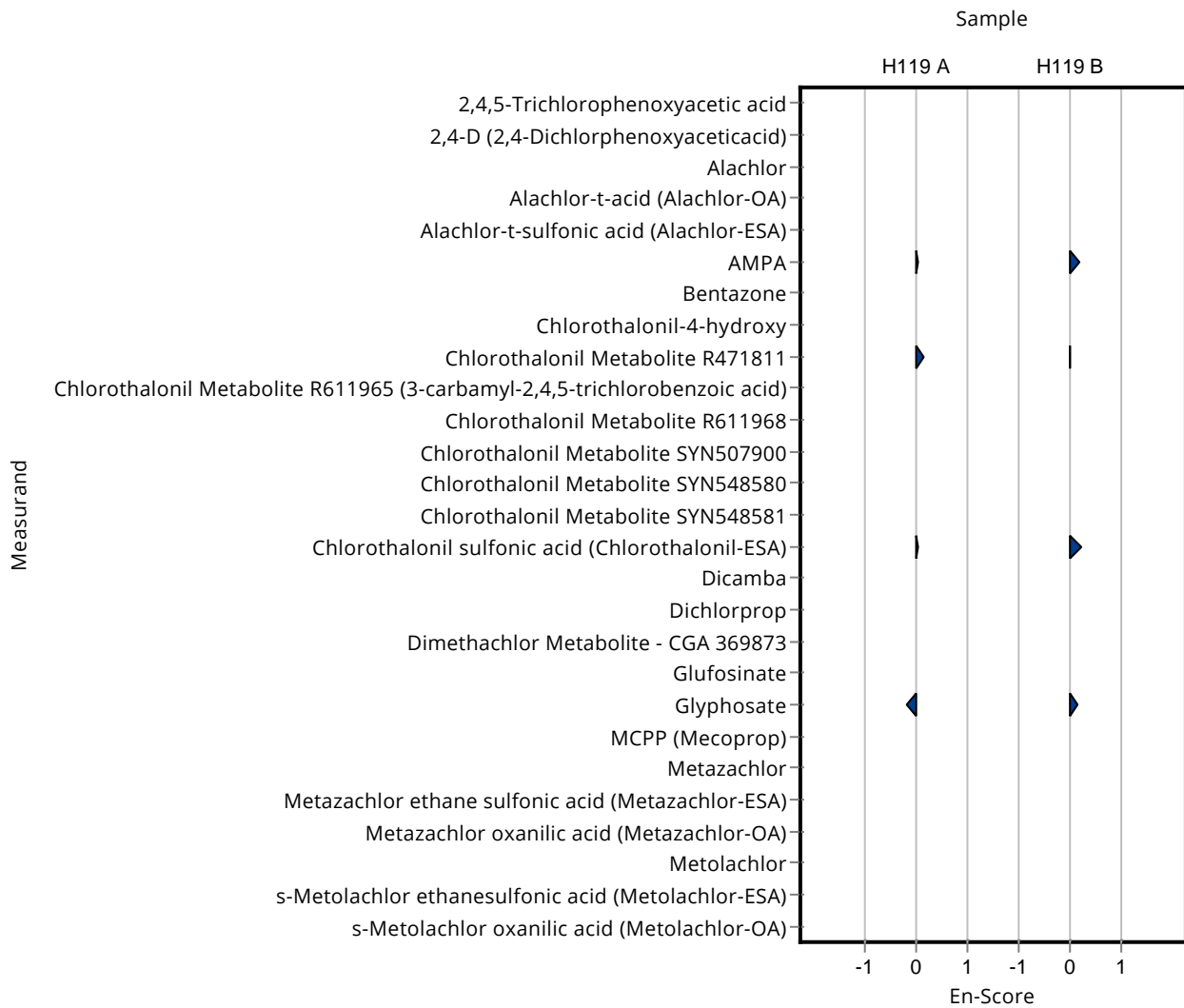
| Parameter | Unit | Assigned value ± U (k=2) | Result ± U | Criterion | Recovery [%] | En-Score |
|--|------|--------------------------|---------------|-----------|--------------|----------|
| 2,4,5-Trichlorophenoxyacetic acid | µg/l | - ± - | - ± - | - | - | - |
| 2,4-D (2,4-Dichlorphenoxyaceticacid) | µg/l | 0.317 ± 0.0271 | - ± - | 0.0444 | - | - |
| Alachlor | µg/l | 0.297 ± 0.0282 | - ± - | 0.0356 | - | - |
| Alachlor-t-acid (Alachlor-OA) | µg/l | - ± - | - ± - | - | - | - |
| Alachlor-t-sulfonic acid (Alachlor-ESA) | µg/l | - ± - | - ± - | - | - | - |
| AMPA | µg/l | 0.622 ± 0.0447 | 0.628 ± 0.101 | 0.0808 | 101 | 0.03 |
| Bentazone | µg/l | 0.216 ± 0.0126 | - ± - | 0.0323 | - | - |
| Chlorothalonil-4-hydroxy | µg/l | - ± - | 0.66 ± 0.178 | - | - | - |
| Chlorothalonil Metabolite R471811 | µg/l | 0.479 ± 0.0341 | 0.532 ± 0.192 | 0.0479 | 111 | 0.14 |
| Chlorothalonil Metabolite R611965 (3-carbamyl-2,4,5-trichlorobenzoic acid) | µg/l | - ± - | 0.394 ± 0.15 | - | - | - |
| Chlorothalonil Metabolite R611968 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite SYN507900 | µg/l | - ± - | 0.55 ± 0.182 | - | - | - |
| Chlorothalonil Metabolite SYN548580 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite SYN548581 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil sulfonic acid (Chlorothalonil-ESA) | µg/l | 0.447 ± 0.032 | 0.456 ± 0.1 | 0.0447 | 102 | 0.04 |
| Dicamba | µg/l | - ± - | - ± - | - | - | - |
| Dichlorprop | µg/l | 0.361 ± 0.0153 | - ± - | 0.0433 | - | - |
| Dimethachlor Metabolite - CGA 369873 | µg/l | - ± - | - ± - | - | - | - |

| Parameter | Unit | Assigned value ± U (k=2) | Result ± U | Criterion | Recovery [%] | En-Score |
|---|------|--------------------------|---------------|-----------|--------------|----------|
| Glufosinate | µg/l | - ± - | - ± - | - | - | - |
| Glyphosate | µg/l | 0.219 ± 0.0216 | 0.202 ± 0.044 | 0.0438 | 92.3 | -0.19 |
| MCPP (Mecoprop) | µg/l | 0.189 ± 0.006 | - ± - | 0.0245 | - | - |
| Metazachlor | µg/l | 0.201 ± 0.00507 | - ± - | 0.0242 | - | - |
| Metazachlor ethane sulfonic acid (Metazachlor-ESA) | µg/l | 0.298 ± 0.0233 | - ± - | 0.0567 | - | - |
| Metazachlor oxanilic acid (Metazachlor-OA) | µg/l | 0.345 ± 0.0304 | - ± - | 0.0725 | - | - |
| Metolachlor | µg/l | 0.123 ± 0.0045 | - ± - | 0.0185 | - | - |
| s-Metolachlor ethanesulfonic acid (Metolachlor-ESA) | µg/l | 0.333 ± 0.0193 | - ± - | 0.0666 | - | - |
| s-Metolachlor oxanilic acid (Metolachlor-OA) | µg/l | 0.573 ± 0.0171 | - ± - | 0.0802 | - | - |

Sample: H119B

| Parameter | Unit | Assigned value ± U (k=2) | Result ± U | Criterion | Recovery [%] | En-Score |
|---|------|--------------------------|---------------|-----------|--------------|----------|
| 2,4,5-Trichlorophenoxyacetic acid | µg/l | - ± - | - ± - | - | - | - |
| 2,4-D (2,4-Dichlorphenoxyaceticacid) | µg/l | 0.312 ± 0.0206 | - ± - | 0.0437 | - | - |
| Alachlor | µg/l | 0.287 ± 0.0139 | - ± - | 0.0345 | - | - |
| Alachlor-t-acid (Alachlor-OA) | µg/l | - ± - | - ± - | - | - | - |
| Alachlor-t-sulfonic acid (Alachlor-ESA) | µg/l | - ± - | - ± - | - | - | - |
| AMPA | µg/l | 0.308 ± 0.0129 | 0.329 ± 0.053 | 0.04 | 107 | 0.20 |
| Bentazone | µg/l | 0.449 ± 0.0346 | - ± - | 0.0674 | - | - |
| Chlorothalonil-4-hydroxy | µg/l | - ± - | 0.5 ± 0.135 | - | - | - |
| Chlorothalonil Metabolite R471811 | µg/l | 0.637 ± 0.0559 | 0.642 ± 0.231 | 0.0701 | 101 | 0.01 |

| Parameter | Unit | Assigned value ± U (k=2) | Result ± U | Criterion Recovery [%] | En-Score | |
|--|------|--------------------------|---------------|------------------------|----------|------|
| Chlorothalonil Metabolite R611965 (3-carbamyl-2,4,5-trichlorobenzoic acid) | µg/l | - ± - | 0.185 ± 0.07 | - | - | |
| Chlorothalonil Metabolite R611968 | µg/l | - ± - | - ± - | - | - | |
| Chlorothalonil Metabolite SYN507900 | µg/l | - ± - | 0.253 ± 0.083 | - | - | |
| Chlorothalonil Metabolite SYN548580 | µg/l | - ± - | - ± - | - | - | |
| Chlorothalonil Metabolite SYN548581 | µg/l | - ± - | - ± - | - | - | |
| Chlorothalonil sulfonic acid (Chlorothalonil-ESA) | µg/l | 0.224 ± 0.018 | 0.246 ± 0.054 | 0.0246 | 110 | 0.20 |
| Dicamba | µg/l | - ± - | - ± - | - | - | |
| Dichlorprop | µg/l | 0.615 ± 0.0303 | - ± - | 0.0737 | - | |
| Dimethachlor Metabolite - CGA 369873 | µg/l | - ± - | - ± - | - | - | |
| Glufosinate | µg/l | - ± - | - ± - | - | - | |
| Glyphosate | µg/l | 0.517 ± 0.0538 | 0.553 ± 0.122 | 0.103 | 107 | 0.14 |
| MCPP (Mecoprop) | µg/l | 0.315 ± 0.0145 | - ± - | 0.041 | - | |
| Metazachlor | µg/l | 0.413 ± 0.00694 | - ± - | 0.0495 | - | |
| Metazachlor ethane sulfonic acid (Metazachlor-ESA) | µg/l | 0.13 ± 0.0077 | - ± - | 0.0248 | - | |
| Metazachlor oxanilic acid (Metazachlor-OA) | µg/l | 0.14 ± 0.0186 | - ± - | 0.0295 | - | |
| Metolachlor | µg/l | 0.378 ± 0.0128 | - ± - | 0.0567 | - | |
| s-Metolachlor ethanesulfonic acid (Metolachlor-ESA) | µg/l | 0.222 ± 0.0102 | - ± - | 0.0443 | - | |
| s-Metolachlor oxanilic acid (Metolachlor-OA) | µg/l | 0.314 ± 0.0144 | - ± - | 0.0439 | - | |



Sample: H119A

| Parameter | Unit | Assigned value ± U (k=2) | Result ± U | Criterion | Recovery [%] | z-Score |
|--|------|--------------------------|-----------------|-----------|--------------|---------|
| 2,4,5-Trichlorophenoxyacetic acid | µg/l | - ± - | - ± - | - | - | - |
| 2,4-D (2,4-Dichlorphenoxyaceticacid) | µg/l | 0.317 ± 0.0271 | - ± - | 0.0444 | - | - |
| Alachlor | µg/l | 0.297 ± 0.0282 | - ± - | 0.0356 | - | - |
| Alachlor-t-acid (Alachlor-OA) | µg/l | - ± - | - ± - | - | - | - |
| Alachlor-t-sulfonic acid (Alachlor-ESA) | µg/l | - ± - | - ± - | - | - | - |
| AMPA | µg/l | 0.622 ± 0.0447 | - ± - | 0.0808 | - | - |
| Bentazone | µg/l | 0.216 ± 0.0126 | 0.2209 ± 0.0552 | 0.0323 | 103 | 0.17 |
| Chlorothalonil-4-hydroxy | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite R471811 | µg/l | 0.479 ± 0.0341 | 0.4883 ± 0.1465 | 0.0479 | 102 | 0.19 |
| Chlorothalonil Metabolite R611965 (3-carbamyl-2,4,5-trichlorobenzoic acid) | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite R611968 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite SYN507900 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite SYN548580 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite SYN548581 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil sulfonic acid (Chlorothalonil-ESA) | µg/l | 0.447 ± 0.032 | 0.4376 ± 0.1094 | 0.0447 | 97.8 | -0.22 |
| Dicamba | µg/l | - ± - | - ± - | - | - | - |
| Dichlorprop | µg/l | 0.361 ± 0.0153 | - ± - | 0.0433 | - | - |
| Dimethachlor Metabolite - CGA 369873 | µg/l | - ± - | - ± - | - | - | - |
| Glufosinate | µg/l | - ± - | - ± - | - | - | - |
| Glyphosate | µg/l | 0.219 ± 0.0216 | - ± - | 0.0438 | - | - |
| MCPP (Mecoprop) | µg/l | 0.189 ± 0.006 | 0.1896 ± 0.0474 | 0.0245 | 101 | 0.04 |
| Metazachlor | µg/l | 0.201 ± 0.00507 | 0.19 ± 0.0475 | 0.0242 | 94.4 | -0.47 |
| Metazachlor ethane sulfonic acid (Metazachlor-ESA) | µg/l | 0.298 ± 0.0233 | 0.3392 ± 0.0848 | 0.0567 | 114 | 0.72 |
| Metazachlor oxanilic acid (Metazachlor-OA) | µg/l | 0.345 ± 0.0304 | 0.4076 ± 0.1019 | 0.0725 | 118 | 0.86 |

Summary of results Pesticides H119

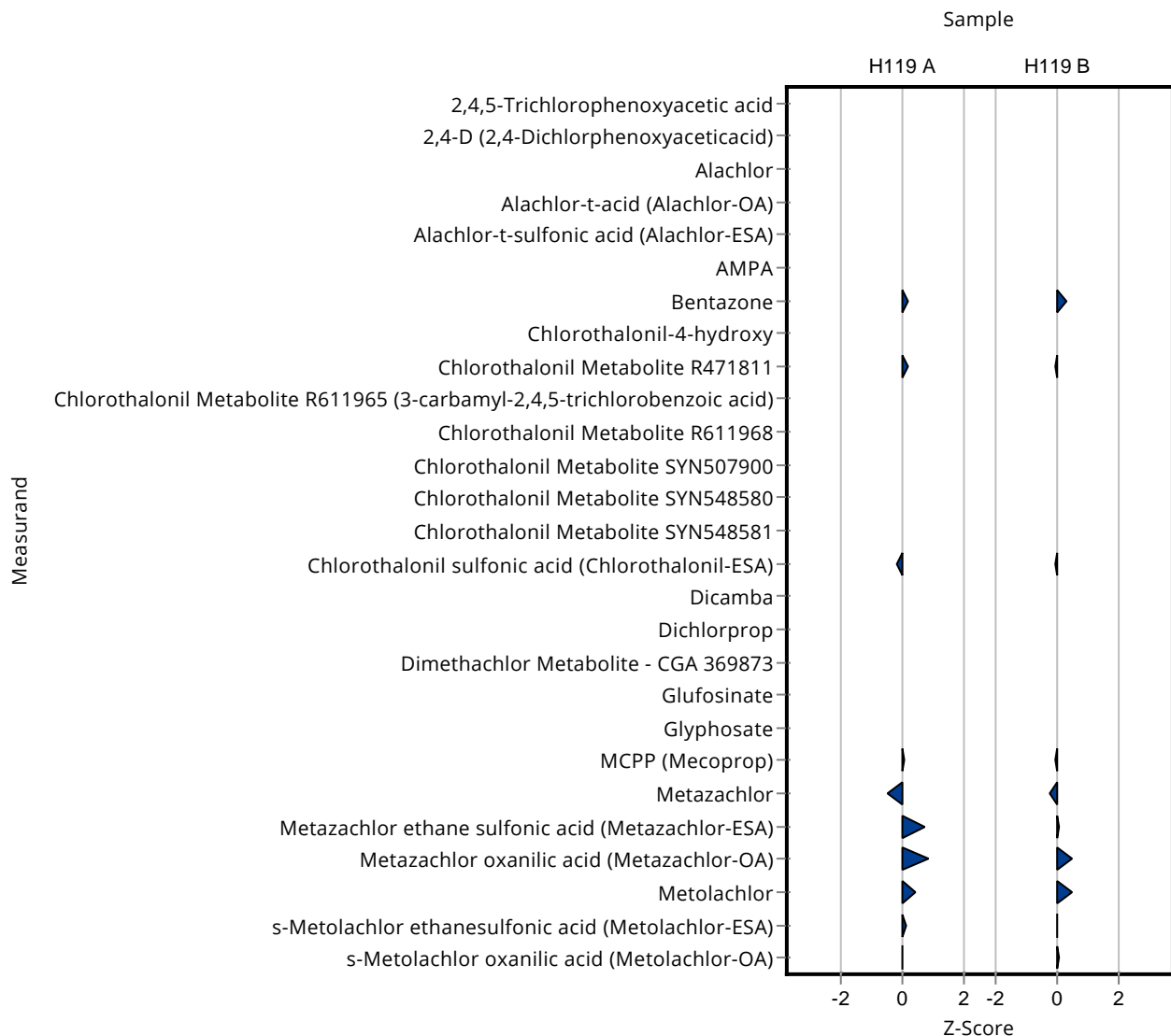
Labcode: LC0007

| Parameter | Unit | Assigned value ± U (k=2) | Result ± U | Criterion | Recovery [%] | z-Score |
|---|------|--------------------------|-----------------|-----------|--------------|---------|
| Metolachlor | µg/l | 0.123 ± 0.0045 | 0.1311 ± 0.0328 | 0.0185 | 106 | 0.43 |
| s-Metolachlor ethanesulfonic acid (Metolachlor-ESA) | µg/l | 0.333 ± 0.0193 | 0.34 ± 0.085 | 0.0666 | 102 | 0.10 |
| s-Metolachlor oxanilic acid (Metolachlor-OA) | µg/l | 0.573 ± 0.0171 | 0.5733 ± 0.1433 | 0.0802 | 100 | 0.00 |

Sample: H119B

| Parameter | Unit | Assigned value ± U (k=2) | Result ± U | Criterion | Recovery [%] | z-Score |
|--|------|--------------------------|-----------------|-----------|--------------|---------|
| 2,4,5-Trichlorophenoxyacetic acid | µg/l | - ± - | - ± - | - | - | - |
| 2,4-D (2,4-Dichlorphenoxyacetic acid) | µg/l | 0.312 ± 0.0206 | - ± - | 0.0437 | - | - |
| Alachlor | µg/l | 0.287 ± 0.0139 | - ± - | 0.0345 | - | - |
| Alachlor-t-acid (Alachlor-OA) | µg/l | - ± - | - ± - | - | - | - |
| Alachlor-t-sulfonic acid (Alachlor-ESA) | µg/l | - ± - | - ± - | - | - | - |
| AMPA | µg/l | 0.308 ± 0.0129 | - ± - | 0.04 | - | - |
| Bentazone | µg/l | 0.449 ± 0.0346 | 0.4717 ± 0.1179 | 0.0674 | 105 | 0.33 |
| Chlorothalonil-4-hydroxy | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite R471811 | µg/l | 0.637 ± 0.0559 | 0.6326 ± 0.1898 | 0.0701 | 99.3 | -0.06 |
| Chlorothalonil Metabolite R611965 (3-carbamyl-2,4,5-trichlorobenzoic acid) | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite R611968 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite SYN507900 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite SYN548580 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite SYN548581 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil sulfonic acid (Chlorothalonil-ESA) | µg/l | 0.224 ± 0.018 | 0.2226 ± 0.0556 | 0.0246 | 99.5 | -0.05 |
| Dicamba | µg/l | - ± - | - ± - | - | - | - |
| Dichlorprop | µg/l | 0.615 ± 0.0303 | - ± - | 0.0737 | - | - |
| Dimethachlor Metabolite - CGA 369873 | µg/l | - ± - | - ± - | - | - | - |

| Parameter | Unit | Assigned value ± U (k=2) | Result ± U | Criterion | Recovery [%] | z-Score |
|---|------|--------------------------|-----------------|-----------|--------------|---------|
| Glufosinate | µg/l | - ± - | - ± - | - | - | - |
| Glyphosate | µg/l | 0.517 ± 0.0538 | - ± - | 0.103 | - | - |
| MCPP (Mecoprop) | µg/l | 0.315 ± 0.0145 | 0.3139 ± 0.0785 | 0.041 | 99.6 | -0.03 |
| Metazachlor | µg/l | 0.413 ± 0.00694 | 0.3997 ± 0.0999 | 0.0495 | 96.8 | -0.26 |
| Metazachlor ethane sulfonic acid (Metazachlor-ESA) | µg/l | 0.13 ± 0.0077 | 0.1319 ± 0.033 | 0.0248 | 101 | 0.07 |
| Metazachlor oxanilic acid (Metazachlor-OA) | µg/l | 0.14 ± 0.0186 | 0.1543 ± 0.0386 | 0.0295 | 110 | 0.48 |
| Metolachlor | µg/l | 0.378 ± 0.0128 | 0.4057 ± 0.1014 | 0.0567 | 107 | 0.49 |
| s-Metolachlor ethanesulfonic acid (Metolachlor-ESA) | µg/l | 0.222 ± 0.0102 | 0.2214 ± 0.0554 | 0.0443 | 99.9 | 0.00 |
| s-Metolachlor oxanilic acid (Metolachlor-OA) | µg/l | 0.314 ± 0.0144 | 0.3168 ± 0.0792 | 0.0439 | 101 | 0.07 |



Sample: H119A

| Parameter | Unit | Assigned value ± U (k=2) | Result ± U | Criterion | Recovery [%] | En-Score |
|--|------|--------------------------|-----------------|-----------|--------------|----------|
| 2,4,5-Trichlorophenoxyacetic acid | µg/l | - ± - | - ± - | - | - | - |
| 2,4-D (2,4-Dichlorphenoxyaceticacid) | µg/l | 0.317 ± 0.0271 | - ± - | 0.0444 | - | - |
| Alachlor | µg/l | 0.297 ± 0.0282 | - ± - | 0.0356 | - | - |
| Alachlor-t-acid (Alachlor-OA) | µg/l | - ± - | - ± - | - | - | - |
| Alachlor-t-sulfonic acid (Alachlor-ESA) | µg/l | - ± - | - ± - | - | - | - |
| AMPA | µg/l | 0.622 ± 0.0447 | - ± - | 0.0808 | - | - |
| Bentazone | µg/l | 0.216 ± 0.0126 | 0.2209 ± 0.0552 | 0.0323 | 103 | 0.05 |
| Chlorothalonil-4-hydroxy | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite R471811 | µg/l | 0.479 ± 0.0341 | 0.4883 ± 0.1465 | 0.0479 | 102 | 0.03 |
| Chlorothalonil Metabolite R611965 (3-carbamyl-2,4,5-trichlorobenzoic acid) | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite R611968 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite SYN507900 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite SYN548580 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite SYN548581 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil sulfonic acid (Chlorothalonil-ESA) | µg/l | 0.447 ± 0.032 | 0.4376 ± 0.1094 | 0.0447 | 97.8 | -0.04 |
| Dicamba | µg/l | - ± - | - ± - | - | - | - |
| Dichlorprop | µg/l | 0.361 ± 0.0153 | - ± - | 0.0433 | - | - |
| Dimethachlor Metabolite - CGA 369873 | µg/l | - ± - | - ± - | - | - | - |

Summary of results Pesticides H119 - En-Score

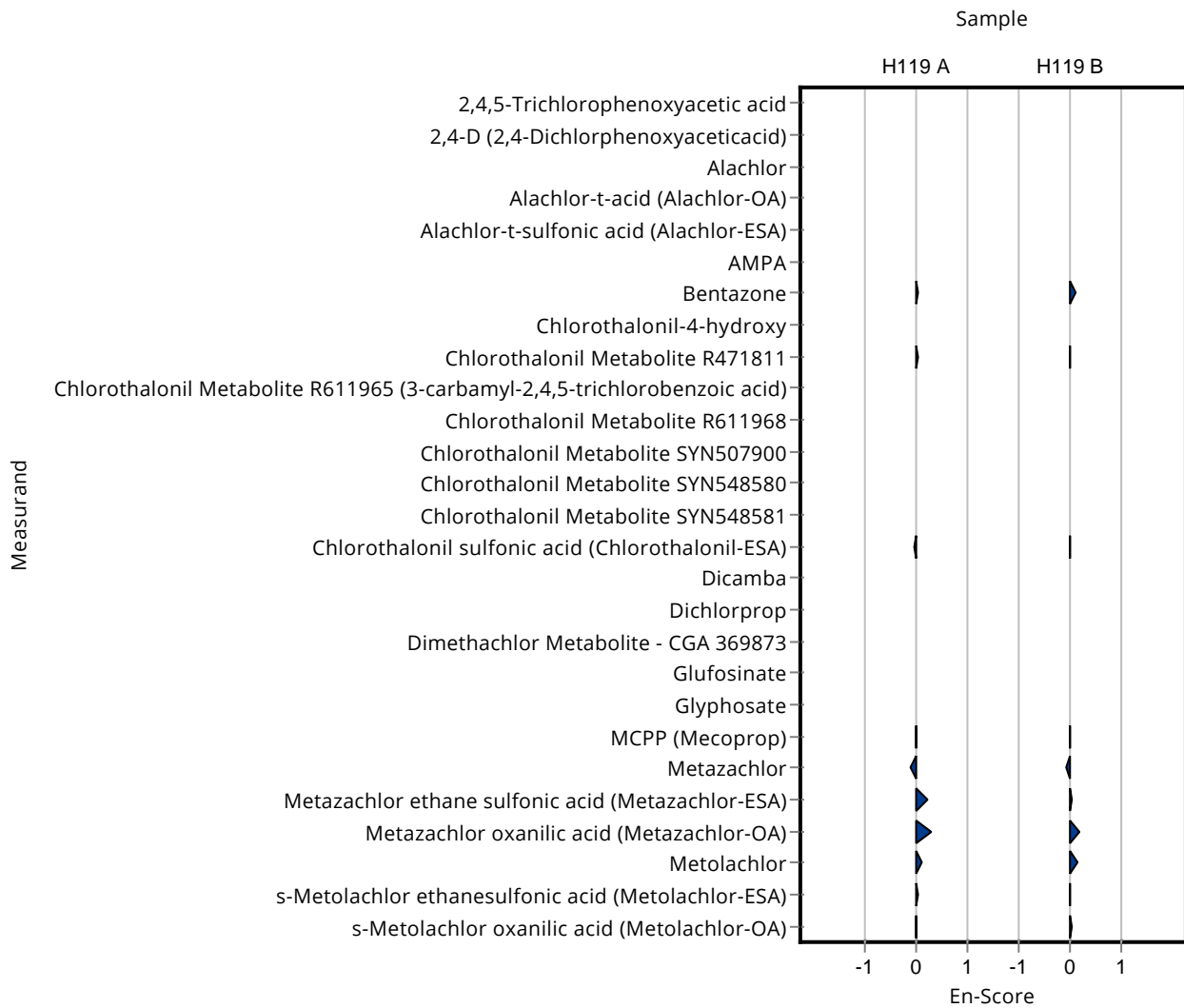
Labcode: LC0007

| Parameter | Unit | Assigned value ± U (k=2) | Result ± U | Criterion | Recovery [%] | En-Score |
|---|------|--------------------------|-----------------|-----------|--------------|----------|
| Glufosinate | µg/l | - ± - | - ± - | - | - | - |
| Glyphosate | µg/l | 0.219 ± 0.0216 | - ± - | 0.0438 | - | - |
| MCPP (Mecoprop) | µg/l | 0.189 ± 0.006 | 0.1896 ± 0.0474 | 0.0245 | 101 | 0.01 |
| Metazachlor | µg/l | 0.201 ± 0.00507 | 0.19 ± 0.0475 | 0.0242 | 94.4 | -0.12 |
| Metazachlor ethane sulfonic acid (Metazachlor-ESA) | µg/l | 0.298 ± 0.0233 | 0.3392 ± 0.0848 | 0.0567 | 114 | 0.24 |
| Metazachlor oxanilic acid (Metazachlor-OA) | µg/l | 0.345 ± 0.0304 | 0.4076 ± 0.1019 | 0.0725 | 118 | 0.30 |
| Metolachlor | µg/l | 0.123 ± 0.0045 | 0.1311 ± 0.0328 | 0.0185 | 106 | 0.12 |
| s-Metolachlor ethanesulfonic acid (Metolachlor-ESA) | µg/l | 0.333 ± 0.0193 | 0.34 ± 0.085 | 0.0666 | 102 | 0.04 |
| s-Metolachlor oxanilic acid (Metolachlor-OA) | µg/l | 0.573 ± 0.0171 | 0.5733 ± 0.1433 | 0.0802 | 100 | 0.00 |

Sample: H119B

| Parameter | Unit | Assigned value ± U (k=2) | Result ± U | Criterion | Recovery [%] | En-Score |
|---|------|--------------------------|-----------------|-----------|--------------|----------|
| 2,4,5-Trichlorophenoxyacetic acid | µg/l | - ± - | - ± - | - | - | - |
| 2,4-D (2,4-Dichlorophenoxyacetic acid) | µg/l | 0.312 ± 0.0206 | - ± - | 0.0437 | - | - |
| Alachlor | µg/l | 0.287 ± 0.0139 | - ± - | 0.0345 | - | - |
| Alachlor-t-acid (Alachlor-OA) | µg/l | - ± - | - ± - | - | - | - |
| Alachlor-t-sulfonic acid (Alachlor-ESA) | µg/l | - ± - | - ± - | - | - | - |
| AMPA | µg/l | 0.308 ± 0.0129 | - ± - | 0.04 | - | - |
| Bentazone | µg/l | 0.449 ± 0.0346 | 0.4717 ± 0.1179 | 0.0674 | 105 | 0.09 |
| Chlorothalonil-4-hydroxy | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite R471811 | µg/l | 0.637 ± 0.0559 | 0.6326 ± 0.1898 | 0.0701 | 99.3 | -0.01 |

| Parameter | Unit | Assigned value ± U (k=2) | Result ± U | Criterion | Recovery [%] | En-Score |
|--|------|--------------------------|-----------------|-----------|--------------|----------|
| Chlorothalonil Metabolite R611965 (3-carbamyl-2,4,5-trichlorobenzoic acid) | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite R611968 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite SYN507900 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite SYN548580 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite SYN548581 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil sulfonic acid (Chlorothalonil-ESA) | µg/l | 0.224 ± 0.018 | 0.2226 ± 0.0556 | 0.0246 | 99.5 | -0.01 |
| Dicamba | µg/l | - ± - | - ± - | - | - | - |
| Dichlorprop | µg/l | 0.615 ± 0.0303 | - ± - | 0.0737 | - | - |
| Dimethachlor Metabolite - CGA 369873 | µg/l | - ± - | - ± - | - | - | - |
| Glufosinate | µg/l | - ± - | - ± - | - | - | - |
| Glyphosate | µg/l | 0.517 ± 0.0538 | - ± - | 0.103 | - | - |
| MCPP (Mecoprop) | µg/l | 0.315 ± 0.0145 | 0.3139 ± 0.0785 | 0.041 | 99.6 | -0.01 |
| Metazachlor | µg/l | 0.413 ± 0.00694 | 0.3997 ± 0.0999 | 0.0495 | 96.8 | -0.07 |
| Metazachlor ethane sulfonic acid (Metazachlor-ESA) | µg/l | 0.13 ± 0.0077 | 0.1319 ± 0.033 | 0.0248 | 101 | 0.02 |
| Metazachlor oxanilic acid (Metazachlor-OA) | µg/l | 0.14 ± 0.0186 | 0.1543 ± 0.0386 | 0.0295 | 110 | 0.18 |
| Metolachlor | µg/l | 0.378 ± 0.0128 | 0.4057 ± 0.1014 | 0.0567 | 107 | 0.14 |
| s-Metolachlor ethanesulfonic acid (Metolachlor-ESA) | µg/l | 0.222 ± 0.0102 | 0.2214 ± 0.0554 | 0.0443 | 99.9 | 0.00 |
| s-Metolachlor oxanilic acid (Metolachlor-OA) | µg/l | 0.314 ± 0.0144 | 0.3168 ± 0.0792 | 0.0439 | 101 | 0.02 |



Sample: H119A

| Parameter | Unit | Assigned value ± U (k=2) | Result ± U | Criterion | Recovery [%] | z-Score |
|--|------|--------------------------|--------------|-----------|--------------|---------|
| 2,4,5-Trichlorophenoxyacetic acid | µg/l | - ± - | 0.262 ± 0.03 | - | - | - |
| 2,4-D (2,4-Dichlorphenoxyaceticacid) | µg/l | 0.317 ± 0.0271 | 0.333 ± 0.13 | 0.0444 | 105 | 0.36 |
| Alachlor | µg/l | 0.297 ± 0.0282 | - ± - | 0.0356 | - | - |
| Alachlor-t-acid (Alachlor-OA) | µg/l | - ± - | - ± - | - | - | - |
| Alachlor-t-sulfonic acid (Alachlor-ESA) | µg/l | - ± - | - ± - | - | - | - |
| AMPA | µg/l | 0.622 ± 0.0447 | 0.599 ± 0.06 | 0.0808 | 96.3 | -0.28 |
| Bentazone | µg/l | 0.216 ± 0.0126 | 0.304 ± 0.08 | 0.0323 | 141 | 2.74 |
| Chlorothalonil-4-hydroxy | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite R471811 | µg/l | 0.479 ± 0.0341 | - ± - | 0.0479 | - | - |
| Chlorothalonil Metabolite R611965 (3-carbamyl-2,4,5-trichlorobenzoic acid) | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite R611968 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite SYN507900 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite SYN548580 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite SYN548581 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil sulfonic acid (Chlorothalonil-ESA) | µg/l | 0.447 ± 0.032 | - ± - | 0.0447 | - | - |
| Dicamba | µg/l | - ± - | - ± - | - | - | - |
| Dichlorprop | µg/l | 0.361 ± 0.0153 | 0.377 ± 0.13 | 0.0433 | 105 | 0.38 |
| Dimethachlor Metabolite - CGA 369873 | µg/l | - ± - | - ± - | - | - | - |
| Glufosinate | µg/l | - ± - | - ± - | - | - | - |
| Glyphosate | µg/l | 0.219 ± 0.0216 | 0.213 ± 0.15 | 0.0438 | 97.3 | -0.13 |
| MCPP (Mecoprop) | µg/l | 0.189 ± 0.006 | 0.199 ± 0.16 | 0.0245 | 106 | 0.43 |
| Metazachlor | µg/l | 0.201 ± 0.00507 | - ± - | 0.0242 | - | - |
| Metazachlor ethane sulfonic acid (Metazachlor-ESA) | µg/l | 0.298 ± 0.0233 | 0.339 ± 0.05 | 0.0567 | 114 | 0.72 |
| Metazachlor oxanilic acid (Metazachlor-OA) | µg/l | 0.345 ± 0.0304 | 0.344 ± 0.03 | 0.0725 | 99.7 | -0.01 |

Summary of results Pesticides H119

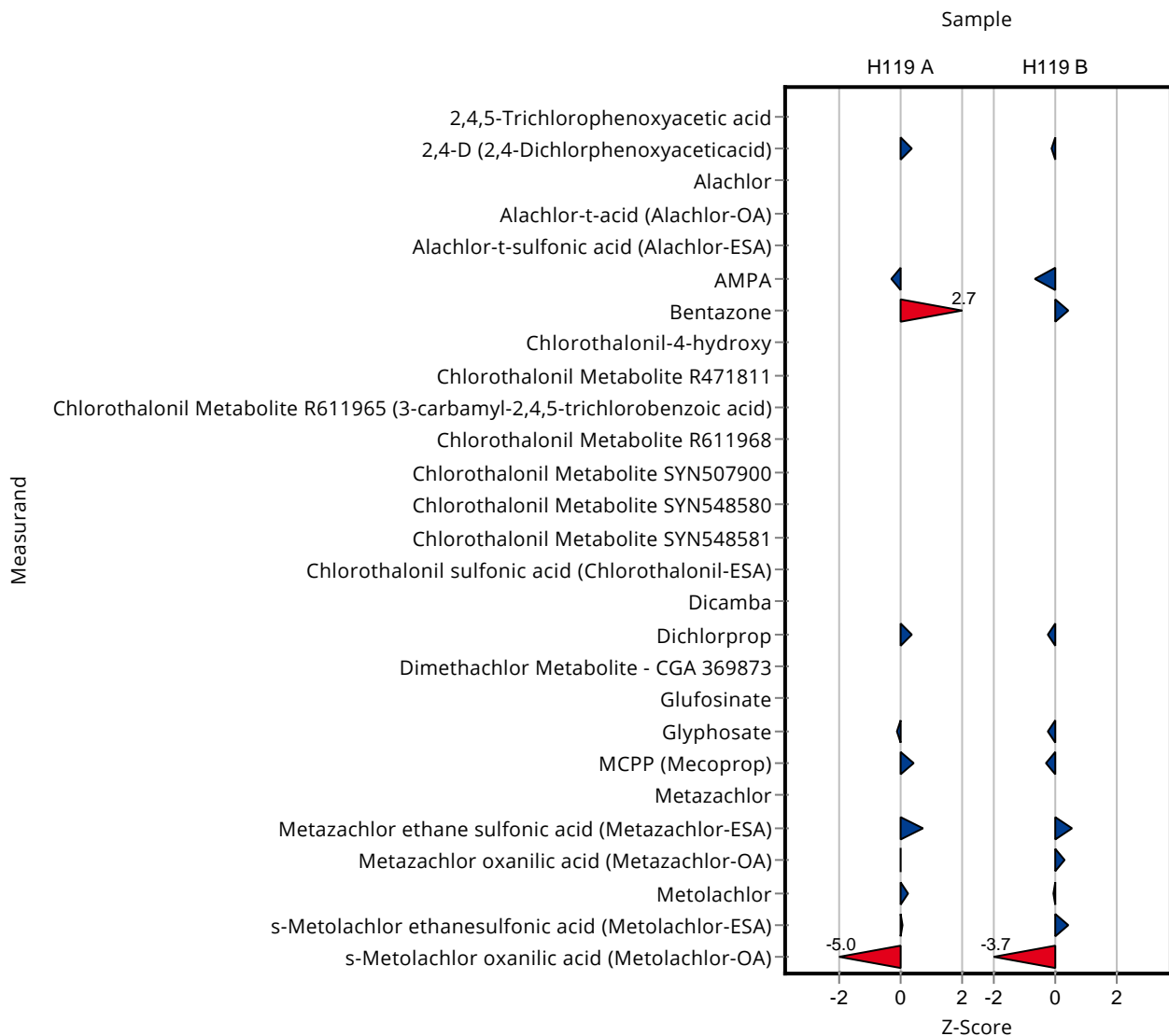
Labcode: LC0008

| Parameter | Unit | Assigned value ± U (k=2) | Result ± U | Criterion | Recovery [%] | z-Score |
|---|------|--------------------------|--------------|-----------|--------------|---------|
| Metolachlor | µg/l | 0.123 ± 0.0045 | 0.127 ± 0.03 | 0.0185 | 103 | 0.21 |
| s-Metolachlor ethanesulfonic acid (Metolachlor-ESA) | µg/l | 0.333 ± 0.0193 | 0.336 ± 0.05 | 0.0666 | 101 | 0.04 |
| s-Metolachlor oxanilic acid (Metolachlor-OA) | µg/l | 0.573 ± 0.0171 | 0.172 ± 0.05 | 0.0802 | 30 | -5.00 |

Sample: H119B

| Parameter | Unit | Assigned value ± U (k=2) | Result ± U | Criterion | Recovery [%] | z-Score |
|--|------|--------------------------|--------------|-----------|--------------|---------|
| 2,4,5-Trichlorophenoxyacetic acid | µg/l | - ± - | 0.185 ± 0.02 | - | - | - |
| 2,4-D (2,4-Dichlorphenoxyacetic acid) | µg/l | 0.312 ± 0.0206 | 0.306 ± 0.03 | 0.0437 | 98.1 | -0.13 |
| Alachlor | µg/l | 0.287 ± 0.0139 | - ± - | 0.0345 | - | - |
| Alachlor-t-acid (Alachlor-OA) | µg/l | - ± - | - ± - | - | - | - |
| Alachlor-t-sulfonic acid (Alachlor-ESA) | µg/l | - ± - | - ± - | - | - | - |
| AMPA | µg/l | 0.308 ± 0.0129 | 0.281 ± 0.11 | 0.04 | 91.3 | -0.67 |
| Bentazone | µg/l | 0.449 ± 0.0346 | 0.48 ± 0.07 | 0.0674 | 107 | 0.46 |
| Chlorothalonil-4-hydroxy | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite R471811 | µg/l | 0.637 ± 0.0559 | - ± - | 0.0701 | - | - |
| Chlorothalonil Metabolite R611965 (3-carbamyl-2,4,5-trichlorobenzoic acid) | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite R611968 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite SYN507900 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite SYN548580 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite SYN548581 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil sulfonic acid (Chlorothalonil-ESA) | µg/l | 0.224 ± 0.018 | - ± - | 0.0246 | - | - |
| Dicamba | µg/l | - ± - | - ± - | - | - | - |
| Dichlorprop | µg/l | 0.615 ± 0.0303 | 0.596 ± 0.05 | 0.0737 | 97 | -0.25 |
| Dimethachlor Metabolite - CGA 369873 | µg/l | - ± - | - ± - | - | - | - |

| Parameter | Unit | Assigned value ± U (k=2) | Result ± U | Criterion Recovery [%] | z-Score |
|---|------|--------------------------|--------------|------------------------|---------|
| Glufosinate | µg/l | - ± - | - ± - | - | - |
| Glyphosate | µg/l | 0.517 ± 0.0538 | 0.495 ± 0.3 | 0.103 | 95.8 |
| MCPP (Mecoprop) | µg/l | 0.315 ± 0.0145 | 0.303 ± 0.03 | 0.041 | 96.2 |
| Metazachlor | µg/l | 0.413 ± 0.00694 | - ± - | 0.0495 | - |
| Metazachlor ethane sulfonic acid (Metazachlor-ESA) | µg/l | 0.13 ± 0.0077 | 0.144 ± 0.03 | 0.0248 | 111 |
| Metazachlor oxanilic acid (Metazachlor-OA) | µg/l | 0.14 ± 0.0186 | 0.149 ± 0.03 | 0.0295 | 106 |
| Metolachlor | µg/l | 0.378 ± 0.0128 | 0.375 ± 0.1 | 0.0567 | 99.3 |
| s-Metolachlor ethanesulfonic acid (Metolachlor-ESA) | µg/l | 0.222 ± 0.0102 | 0.24 ± 0.03 | 0.0443 | 108 |
| s-Metolachlor oxanilic acid (Metolachlor-OA) | µg/l | 0.314 ± 0.0144 | 0.152 ± 0.03 | 0.0439 | 48.5 |



Sample: H119A

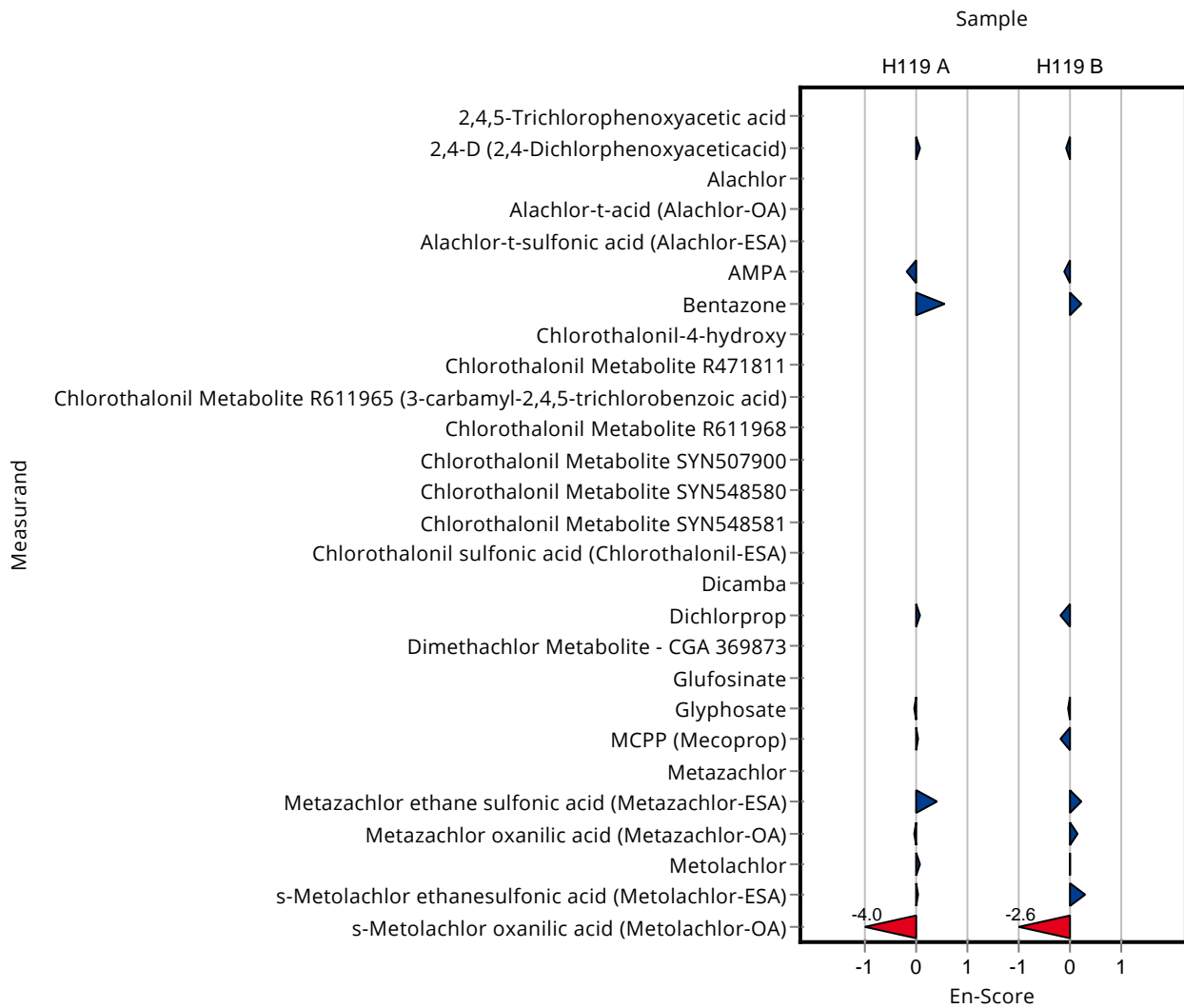
| Parameter | Unit | Assigned value ± U (k=2) | Result ± U | Criterion | Recovery [%] | En-Score |
|--|------|--------------------------|--------------|-----------|--------------|----------|
| 2,4,5-Trichlorophenoxyacetic acid | µg/l | - ± - | 0.262 ± 0.03 | - | - | - |
| 2,4-D (2,4-Dichlorphenoxyaceticacid) | µg/l | 0.317 ± 0.0271 | 0.333 ± 0.13 | 0.0444 | 105 | 0.06 |
| Alachlor | µg/l | 0.297 ± 0.0282 | - ± - | 0.0356 | - | - |
| Alachlor-t-acid (Alachlor-OA) | µg/l | - ± - | - ± - | - | - | - |
| Alachlor-t-sulfonic acid (Alachlor-ESA) | µg/l | - ± - | - ± - | - | - | - |
| AMPA | µg/l | 0.622 ± 0.0447 | 0.599 ± 0.06 | 0.0808 | 96.3 | -0.18 |
| Bentazone | µg/l | 0.216 ± 0.0126 | 0.304 ± 0.08 | 0.0323 | 141 | 0.55 |
| Chlorothalonil-4-hydroxy | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite R471811 | µg/l | 0.479 ± 0.0341 | - ± - | 0.0479 | - | - |
| Chlorothalonil Metabolite R611965 (3-carbamyl-2,4,5-trichlorobenzoic acid) | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite R611968 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite SYN507900 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite SYN548580 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite SYN548581 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil sulfonic acid (Chlorothalonil-ESA) | µg/l | 0.447 ± 0.032 | - ± - | 0.0447 | - | - |
| Dicamba | µg/l | - ± - | - ± - | - | - | - |
| Dichlorprop | µg/l | 0.361 ± 0.0153 | 0.377 ± 0.13 | 0.0433 | 105 | 0.06 |
| Dimethachlor Metabolite - CGA 369873 | µg/l | - ± - | - ± - | - | - | - |

| Parameter | Unit | Assigned value ± U (k=2) | Result ± U | Criterion | Recovery [%] | En-Score |
|---|------|--------------------------|--------------|-----------|--------------|----------|
| Glufosinate | µg/l | - ± - | - ± - | - | - | - |
| Glyphosate | µg/l | 0.219 ± 0.0216 | 0.213 ± 0.15 | 0.0438 | 97.3 | -0.02 |
| MCPP (Mecoprop) | µg/l | 0.189 ± 0.006 | 0.199 ± 0.16 | 0.0245 | 106 | 0.03 |
| Metazachlor | µg/l | 0.201 ± 0.00507 | - ± - | 0.0242 | - | - |
| Metazachlor ethane sulfonic acid (Metazachlor-ESA) | µg/l | 0.298 ± 0.0233 | 0.339 ± 0.05 | 0.0567 | 114 | 0.40 |
| Metazachlor oxanilic acid (Metazachlor-OA) | µg/l | 0.345 ± 0.0304 | 0.344 ± 0.03 | 0.0725 | 99.7 | -0.02 |
| Metolachlor | µg/l | 0.123 ± 0.0045 | 0.127 ± 0.03 | 0.0185 | 103 | 0.06 |
| s-Metolachlor ethanesulfonic acid (Metolachlor-ESA) | µg/l | 0.333 ± 0.0193 | 0.336 ± 0.05 | 0.0666 | 101 | 0.03 |
| s-Metolachlor oxanilic acid (Metolachlor-OA) | µg/l | 0.573 ± 0.0171 | 0.172 ± 0.05 | 0.0802 | 30 | -3.95 |

Sample: H119B

| Parameter | Unit | Assigned value ± U (k=2) | Result ± U | Criterion | Recovery [%] | En-Score |
|---|------|--------------------------|--------------|-----------|--------------|----------|
| 2,4,5-Trichlorophenoxyacetic acid | µg/l | - ± - | 0.185 ± 0.02 | - | - | - |
| 2,4-D (2,4-Dichlorophenoxyacetic acid) | µg/l | 0.312 ± 0.0206 | 0.306 ± 0.03 | 0.0437 | 98.1 | -0.09 |
| Alachlor | µg/l | 0.287 ± 0.0139 | - ± - | 0.0345 | - | - |
| Alachlor-t-acid (Alachlor-OA) | µg/l | - ± - | - ± - | - | - | - |
| Alachlor-t-sulfonic acid (Alachlor-ESA) | µg/l | - ± - | - ± - | - | - | - |
| AMPA | µg/l | 0.308 ± 0.0129 | 0.281 ± 0.11 | 0.04 | 91.3 | -0.12 |
| Bentazone | µg/l | 0.449 ± 0.0346 | 0.48 ± 0.07 | 0.0674 | 107 | 0.21 |
| Chlorothalonil-4-hydroxy | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite R471811 | µg/l | 0.637 ± 0.0559 | - ± - | 0.0701 | - | - |

| Parameter | Unit | Assigned value ± U (k=2) | Result ± U | Criterion Recovery [%] | En-Score |
|--|------|--------------------------|--------------|------------------------|----------|
| Chlorothalonil Metabolite R611965 (3-carbamyl-2,4,5-trichlorobenzoic acid) | µg/l | - ± - | - ± - | - | - |
| Chlorothalonil Metabolite R611968 | µg/l | - ± - | - ± - | - | - |
| Chlorothalonil Metabolite SYN507900 | µg/l | - ± - | - ± - | - | - |
| Chlorothalonil Metabolite SYN548580 | µg/l | - ± - | - ± - | - | - |
| Chlorothalonil Metabolite SYN548581 | µg/l | - ± - | - ± - | - | - |
| Chlorothalonil sulfonic acid (Chlorothalonil-ESA) | µg/l | 0.224 ± 0.018 | - ± - | 0.0246 | - |
| Dicamba | µg/l | - ± - | - ± - | - | - |
| Dichlorprop | µg/l | 0.615 ± 0.0303 | 0.596 ± 0.05 | 0.0737 | 97 |
| Dimethachlor Metabolite - CGA 369873 | µg/l | - ± - | - ± - | - | - |
| Glufosinate | µg/l | - ± - | - ± - | - | - |
| Glyphosate | µg/l | 0.517 ± 0.0538 | 0.495 ± 0.3 | 0.103 | 95.8 |
| MCPP (Mecoprop) | µg/l | 0.315 ± 0.0145 | 0.303 ± 0.03 | 0.041 | 96.2 |
| Metazachlor | µg/l | 0.413 ± 0.00694 | - ± - | 0.0495 | - |
| Metazachlor ethane sulfonic acid (Metazachlor-ESA) | µg/l | 0.13 ± 0.0077 | 0.144 ± 0.03 | 0.0248 | 111 |
| Metazachlor oxanilic acid (Metazachlor-OA) | µg/l | 0.14 ± 0.0186 | 0.149 ± 0.03 | 0.0295 | 106 |
| Metolachlor | µg/l | 0.378 ± 0.0128 | 0.375 ± 0.1 | 0.0567 | 99.3 |
| s-Metolachlor ethanesulfonic acid (Metolachlor-ESA) | µg/l | 0.222 ± 0.0102 | 0.24 ± 0.03 | 0.0443 | 108 |
| s-Metolachlor oxanilic acid (Metolachlor-OA) | µg/l | 0.314 ± 0.0144 | 0.152 ± 0.03 | 0.0439 | 48.5 |



Sample: H119A

| Parameter | Unit | Assigned value ± U (k=2) | Result ± U | Criterion | Recovery [%] | z-Score |
|--|------|--------------------------|---------------|-----------|--------------|---------|
| 2,4,5-Trichlorophenoxyacetic acid | µg/l | - ± - | - ± - | - | - | - |
| 2,4-D (2,4-Dichlorphenoxyaceticacid) | µg/l | 0.317 ± 0.0271 | 0.31 ± 0.009 | 0.0444 | 97.8 | -0.16 |
| Alachlor | µg/l | 0.297 ± 0.0282 | 0.302 ± 0.006 | 0.0356 | 102 | 0.15 |
| Alachlor-t-acid (Alachlor-OA) | µg/l | - ± - | - ± - | - | - | - |
| Alachlor-t-sulfonic acid (Alachlor-ESA) | µg/l | - ± - | - ± - | - | - | - |
| AMPA | µg/l | 0.622 ± 0.0447 | 0.55 ± 0.038 | 0.0808 | 88.4 | -0.89 |
| Bentazone | µg/l | 0.216 ± 0.0126 | 0.225 ± 0.009 | 0.0323 | 104 | 0.29 |
| Chlorothalonil-4-hydroxy | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite R471811 | µg/l | 0.479 ± 0.0341 | - ± - | 0.0479 | - | - |
| Chlorothalonil Metabolite R611965 (3-carbamyl-2,4,5-trichlorobenzoic acid) | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite R611968 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite SYN507900 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite SYN548580 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite SYN548581 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil sulfonic acid (Chlorothalonil-ESA) | µg/l | 0.447 ± 0.032 | - ± - | 0.0447 | - | - |
| Dicamba | µg/l | - ± - | 0.45 ± 0.011 | - | - | - |
| Dichlorprop | µg/l | 0.361 ± 0.0153 | 0.385 ± 0.011 | 0.0433 | 107 | 0.56 |
| Dimethachlor Metabolite - CGA 369873 | µg/l | - ± - | 0.294 ± 0.004 | - | - | - |
| Glufosinate | µg/l | - ± - | 0.559 ± 0.012 | - | - | - |
| Glyphosate | µg/l | 0.219 ± 0.0216 | 0.265 ± 0.005 | 0.0438 | 121 | 1.05 |
| MCPP (Mecoprop) | µg/l | 0.189 ± 0.006 | 0.193 ± 0.007 | 0.0245 | 102 | 0.18 |
| Metazachlor | µg/l | 0.201 ± 0.00507 | 0.199 ± 0.003 | 0.0242 | 98.9 | -0.09 |
| Metazachlor ethane sulfonic acid (Metazachlor-ESA) | µg/l | 0.298 ± 0.0233 | 0.313 ± 0.007 | 0.0567 | 105 | 0.26 |
| Metazachlor oxanilic acid (Metazachlor-OA) | µg/l | 0.345 ± 0.0304 | 0.362 ± 0.008 | 0.0725 | 105 | 0.23 |

Summary of results Pesticides H119

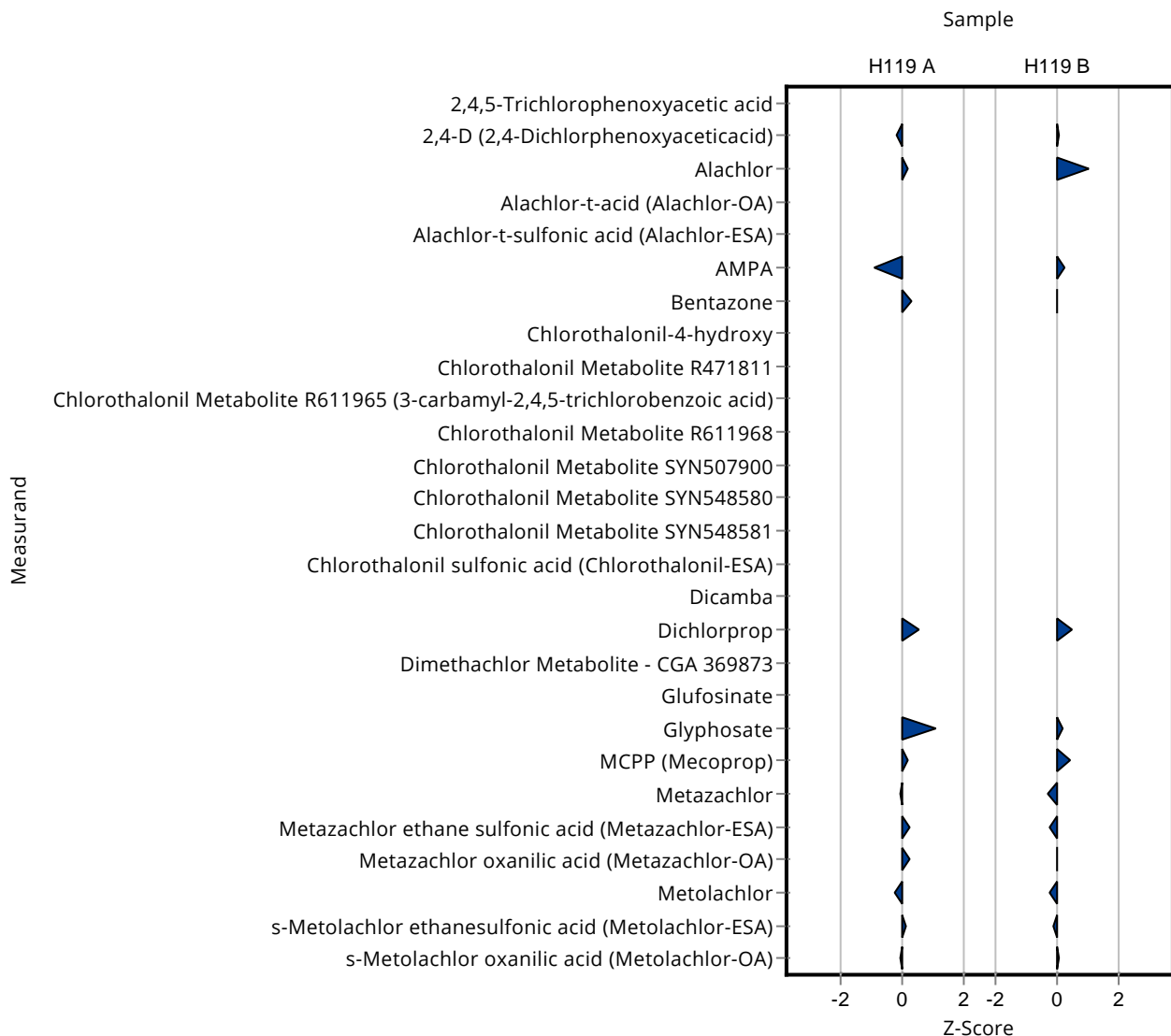
Labcode: LC0009

| Parameter | Unit | Assigned value ± U (k=2) | Result ± U | Criterion | Recovery [%] | z-Score |
|---|------|--------------------------|---------------|-----------|--------------|---------|
| Metolachlor | µg/l | 0.123 ± 0.0045 | 0.119 ± 0.002 | 0.0185 | 96.6 | -0.22 |
| s-Metolachlor ethanesulfonic acid (Metolachlor-ESA) | µg/l | 0.333 ± 0.0193 | 0.341 ± 0.024 | 0.0666 | 102 | 0.12 |
| s-Metolachlor oxanilic acid (Metolachlor-OA) | µg/l | 0.573 ± 0.0171 | 0.57 ± 0.014 | 0.0802 | 99.4 | -0.04 |

Sample: H119B

| Parameter | Unit | Assigned value ± U (k=2) | Result ± U | Criterion | Recovery [%] | z-Score |
|--|------|--------------------------|---------------|-----------|--------------|---------|
| 2,4,5-Trichlorophenoxyacetic acid | µg/l | - ± - | - ± - | - | - | - |
| 2,4-D (2,4-Dichlorphenoxyacetic acid) | µg/l | 0.312 ± 0.0206 | 0.314 ± 0.009 | 0.0437 | 101 | 0.05 |
| Alachlor | µg/l | 0.287 ± 0.0139 | 0.324 ± 0.006 | 0.0345 | 113 | 1.06 |
| Alachlor-t-acid (Alachlor-OA) | µg/l | - ± - | - ± - | - | - | - |
| Alachlor-t-sulfonic acid (Alachlor-ESA) | µg/l | - ± - | - ± - | - | - | - |
| AMPA | µg/l | 0.308 ± 0.0129 | 0.317 ± 0.015 | 0.04 | 103 | 0.23 |
| Bentazone | µg/l | 0.449 ± 0.0346 | 0.448 ± 0.01 | 0.0674 | 99.7 | -0.02 |
| Chlorothalonil-4-hydroxy | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite R471811 | µg/l | 0.637 ± 0.0559 | - ± - | 0.0701 | - | - |
| Chlorothalonil Metabolite R611965 (3-carbamyl-2,4,5-trichlorobenzoic acid) | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite R611968 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite SYN507900 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite SYN548580 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite SYN548581 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil sulfonic acid (Chlorothalonil-ESA) | µg/l | 0.224 ± 0.018 | - ± - | 0.0246 | - | - |
| Dicamba | µg/l | - ± - | - ± - | - | - | - |
| Dichlorprop | µg/l | 0.615 ± 0.0303 | 0.65 ± 0.038 | 0.0737 | 106 | 0.48 |
| Dimethachlor Metabolite - CGA 369873 | µg/l | - ± - | 0.322 ± 0.004 | - | - | - |

| Parameter | Unit | Assigned value ± U (k=2) | Result ± U | Criterion | Recovery [%] | z-Score |
|---|------|--------------------------|---------------|-----------|--------------|---------|
| Glufosinate | µg/l | - ± - | 0.464 ± 0.006 | - | - | - |
| Glyphosate | µg/l | 0.517 ± 0.0538 | 0.537 ± 0.014 | 0.103 | 104 | 0.20 |
| MCPP (Mecoprop) | µg/l | 0.315 ± 0.0145 | 0.332 ± 0.008 | 0.041 | 105 | 0.41 |
| Metazachlor | µg/l | 0.413 ± 0.00694 | 0.397 ± 0.003 | 0.0495 | 96.2 | -0.32 |
| Metazachlor ethane sulfonic acid (Metazachlor-ESA) | µg/l | 0.13 ± 0.0077 | 0.125 ± 0.007 | 0.0248 | 96 | -0.21 |
| Metazachlor oxanilic acid (Metazachlor-OA) | µg/l | 0.14 ± 0.0186 | 0.141 ± 0.008 | 0.0295 | 101 | 0.02 |
| Metolachlor | µg/l | 0.378 ± 0.0128 | 0.365 ± 0.003 | 0.0567 | 96.6 | -0.22 |
| s-Metolachlor ethanesulfonic acid (Metolachlor-ESA) | µg/l | 0.222 ± 0.0102 | 0.217 ± 0.023 | 0.0443 | 97.9 | -0.10 |
| s-Metolachlor oxanilic acid (Metolachlor-OA) | µg/l | 0.314 ± 0.0144 | 0.316 ± 0.004 | 0.0439 | 101 | 0.05 |



Sample: H119A

| Parameter | Unit | Assigned value ± U (k=2) | Result ± U | Criterion | Recovery [%] | En-Score |
|--|------|--------------------------|---------------|-----------|--------------|----------|
| 2,4,5-Trichlorophenoxyacetic acid | µg/l | - ± - | - ± - | - | - | - |
| 2,4-D (2,4-Dichlorphenoxyaceticacid) | µg/l | 0.317 ± 0.0271 | 0.31 ± 0.009 | 0.0444 | 97.8 | -0.22 |
| Alachlor | µg/l | 0.297 ± 0.0282 | 0.302 ± 0.006 | 0.0356 | 102 | 0.18 |
| Alachlor-t-acid (Alachlor-OA) | µg/l | - ± - | - ± - | - | - | - |
| Alachlor-t-sulfonic acid (Alachlor-ESA) | µg/l | - ± - | - ± - | - | - | - |
| AMPA | µg/l | 0.622 ± 0.0447 | 0.55 ± 0.038 | 0.0808 | 88.4 | -0.82 |
| Bentazone | µg/l | 0.216 ± 0.0126 | 0.225 ± 0.009 | 0.0323 | 104 | 0.43 |
| Chlorothalonil-4-hydroxy | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite R471811 | µg/l | 0.479 ± 0.0341 | - ± - | 0.0479 | - | - |
| Chlorothalonil Metabolite R611965 (3-carbamyl-2,4,5-trichlorobenzoic acid) | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite R611968 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite SYN507900 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite SYN548580 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite SYN548581 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil sulfonic acid (Chlorothalonil-ESA) | µg/l | 0.447 ± 0.032 | - ± - | 0.0447 | - | - |
| Dicamba | µg/l | - ± - | 0.45 ± 0.011 | - | - | - |
| Dichlorprop | µg/l | 0.361 ± 0.0153 | 0.385 ± 0.011 | 0.0433 | 107 | 0.91 |
| Dimethachlor Metabolite - CGA 369873 | µg/l | - ± - | 0.294 ± 0.004 | - | - | - |

Summary of results Pesticides H119 - En-Score

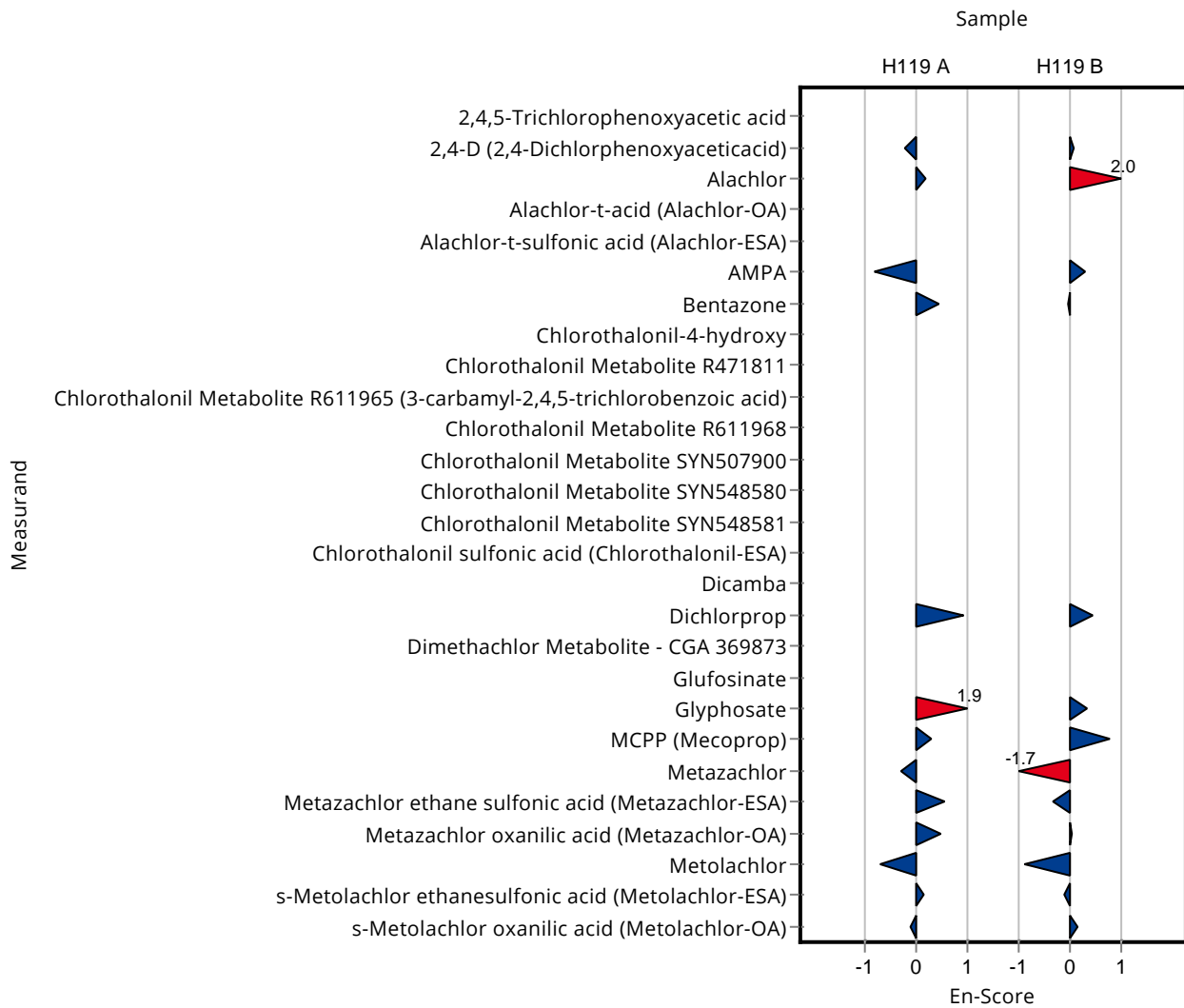
Labcode: LC0009

| Parameter | Unit | Assigned value ± U (k=2) | Result ± U | Criterion | Recovery [%] | En-Score |
|---|------|--------------------------|---------------|-----------|--------------|----------|
| Glufosinate | µg/l | - ± - | 0.559 ± 0.012 | - | - | - |
| Glyphosate | µg/l | 0.219 ± 0.0216 | 0.265 ± 0.005 | 0.0438 | 121 | 1.93 |
| MCPP (Mecoprop) | µg/l | 0.189 ± 0.006 | 0.193 ± 0.007 | 0.0245 | 102 | 0.29 |
| Metazachlor | µg/l | 0.201 ± 0.00507 | 0.199 ± 0.003 | 0.0242 | 98.9 | -0.29 |
| Metazachlor ethane sulfonic acid (Metazachlor-ESA) | µg/l | 0.298 ± 0.0233 | 0.313 ± 0.007 | 0.0567 | 105 | 0.54 |
| Metazachlor oxanilic acid (Metazachlor-OA) | µg/l | 0.345 ± 0.0304 | 0.362 ± 0.008 | 0.0725 | 105 | 0.49 |
| Metolachlor | µg/l | 0.123 ± 0.0045 | 0.119 ± 0.002 | 0.0185 | 96.6 | -0.69 |
| s-Metolachlor ethanesulfonic acid (Metolachlor-ESA) | µg/l | 0.333 ± 0.0193 | 0.341 ± 0.024 | 0.0666 | 102 | 0.15 |
| s-Metolachlor oxanilic acid (Metolachlor-OA) | µg/l | 0.573 ± 0.0171 | 0.57 ± 0.014 | 0.0802 | 99.4 | -0.10 |

Sample: H119B

| Parameter | Unit | Assigned value ± U (k=2) | Result ± U | Criterion | Recovery [%] | En-Score |
|---|------|--------------------------|---------------|-----------|--------------|----------|
| 2,4,5-Trichlorophenoxyacetic acid | µg/l | - ± - | - ± - | - | - | - |
| 2,4-D (2,4-Dichlorphenoxyaceticacid) | µg/l | 0.312 ± 0.0206 | 0.314 ± 0.009 | 0.0437 | 101 | 0.08 |
| Alachlor | µg/l | 0.287 ± 0.0139 | 0.324 ± 0.006 | 0.0345 | 113 | 1.99 |
| Alachlor-t-acid (Alachlor-OA) | µg/l | - ± - | - ± - | - | - | - |
| Alachlor-t-sulfonic acid (Alachlor-ESA) | µg/l | - ± - | - ± - | - | - | - |
| AMPA | µg/l | 0.308 ± 0.0129 | 0.317 ± 0.015 | 0.04 | 103 | 0.28 |
| Bentazone | µg/l | 0.449 ± 0.0346 | 0.448 ± 0.01 | 0.0674 | 99.7 | -0.03 |
| Chlorothalonil-4-hydroxy | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite R471811 | µg/l | 0.637 ± 0.0559 | - ± - | 0.0701 | - | - |

| Parameter | Unit | Assigned value ± U (k=2) | Result ± U | Criterion Recovery [%] | En-Score |
|--|------|--------------------------|---------------|------------------------|----------|
| Chlorothalonil Metabolite R611965 (3-carbamyl-2,4,5-trichlorobenzoic acid) | µg/l | - ± - | - ± - | - | - |
| Chlorothalonil Metabolite R611968 | µg/l | - ± - | - ± - | - | - |
| Chlorothalonil Metabolite SYN507900 | µg/l | - ± - | - ± - | - | - |
| Chlorothalonil Metabolite SYN548580 | µg/l | - ± - | - ± - | - | - |
| Chlorothalonil Metabolite SYN548581 | µg/l | - ± - | - ± - | - | - |
| Chlorothalonil sulfonic acid (Chlorothalonil-ESA) | µg/l | 0.224 ± 0.018 | - ± - | 0.0246 | - |
| Dicamba | µg/l | - ± - | - ± - | - | - |
| Dichlorprop | µg/l | 0.615 ± 0.0303 | 0.65 ± 0.038 | 0.0737 | 106 |
| Dimethachlor Metabolite - CGA 369873 | µg/l | - ± - | 0.322 ± 0.004 | - | - |
| Glufosinate | µg/l | - ± - | 0.464 ± 0.006 | - | - |
| Glyphosate | µg/l | 0.517 ± 0.0538 | 0.537 ± 0.014 | 0.103 | 104 |
| MCPP (Mecoprop) | µg/l | 0.315 ± 0.0145 | 0.332 ± 0.008 | 0.041 | 105 |
| Metazachlor | µg/l | 0.413 ± 0.00694 | 0.397 ± 0.003 | 0.0495 | 96.2 |
| Metazachlor ethane sulfonic acid (Metazachlor-ESA) | µg/l | 0.13 ± 0.0077 | 0.125 ± 0.007 | 0.0248 | 96 |
| Metazachlor oxanilic acid (Metazachlor-OA) | µg/l | 0.14 ± 0.0186 | 0.141 ± 0.008 | 0.0295 | 101 |
| Metolachlor | µg/l | 0.378 ± 0.0128 | 0.365 ± 0.003 | 0.0567 | 96.6 |
| s-Metolachlor ethanesulfonic acid (Metolachlor-ESA) | µg/l | 0.222 ± 0.0102 | 0.217 ± 0.023 | 0.0443 | 97.9 |
| s-Metolachlor oxanilic acid (Metolachlor-OA) | µg/l | 0.314 ± 0.0144 | 0.316 ± 0.004 | 0.0439 | 101 |



Sample: H119A

| Parameter | Unit | Assigned value ± U (k=2) | Result ± U | Criterion | Recovery [%] | z-Score |
|--|------|--------------------------|------------------|-----------|--------------|---------|
| 2,4,5-Trichlorophenoxyacetic acid | µg/l | - ± - | - ± - | - | - | - |
| 2,4-D (2,4-Dichlorphenoxyaceticacid) | µg/l | 0.317 ± 0.0271 | 0.274 ± 0.08968 | 0.0444 | 86.4 | -0.97 |
| Alachlor | µg/l | 0.297 ± 0.0282 | 0.259 ± 0.079927 | 0.0356 | 87.4 | -1.05 |
| Alachlor-t-acid (Alachlor-OA) | µg/l | - ± - | 0.196 ± 0.036926 | - | - | - |
| Alachlor-t-sulfonic acid (Alachlor-ESA) | µg/l | - ± - | 0.154 ± 0.040163 | - | - | - |
| AMPA | µg/l | 0.622 ± 0.0447 | 0.359 ± 0.08975 | 0.0808 | 57.7 | -3.25 |
| Bentazone | µg/l | 0.216 ± 0.0126 | 0.189 ± 0.027121 | 0.0323 | 87.7 | -0.82 |
| Chlorothalonil-4-hydroxy | µg/l | - ± - | 0.612 ± 0.084334 | - | - | - |
| Chlorothalonil Metabolite R471811 | µg/l | 0.479 ± 0.0341 | 0.411 ± 0.095188 | 0.0479 | 85.8 | -1.42 |
| Chlorothalonil Metabolite R611965 (3-carbamyl-2,4,5-trichlorobenzoic acid) | µg/l | - ± - | 0.305 ± 0.090585 | - | - | - |
| Chlorothalonil Metabolite R611968 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite SYN507900 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite SYN548580 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite SYN548581 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil sulfonic acid (Chlorothalonil-ESA) | µg/l | 0.447 ± 0.032 | 0.481 ± 0.08658 | 0.0447 | 108 | 0.76 |
| Dicamba | µg/l | - ± - | 0.413 ± 0.138727 | - | - | - |
| Dichlorprop | µg/l | 0.361 ± 0.0153 | 0.377 ± 0.063713 | 0.0433 | 105 | 0.38 |
| Dimethachlor Metabolite - CGA 369873 | µg/l | - ± - | 0.378 ± 0.137932 | - | - | - |
| Glufosinate | µg/l | - ± - | 0.32 ± 0.08 | - | - | - |
| Glyphosate | µg/l | 0.219 ± 0.0216 | 0.15 ± 0.0375 | 0.0438 | 68.5 | -1.57 |
| MCPP (Mecoprop) | µg/l | 0.189 ± 0.006 | 0.188 ± 0.031227 | 0.0245 | 99.7 | -0.02 |
| Metazachlor | µg/l | 0.201 ± 0.00507 | 0.204 ± 0.032742 | 0.0242 | 101 | 0.11 |
| Metazachlor ethane sulfonic acid (Metazachlor-ESA) | µg/l | 0.298 ± 0.0233 | 0.269 ± 0.0623 | 0.0567 | 90.2 | -0.52 |
| Metazachlor oxanilic acid (Metazachlor-OA) | µg/l | 0.345 ± 0.0304 | 0.41 ± 0.111848 | 0.0725 | 119 | 0.90 |

Summary of results Pesticides H119

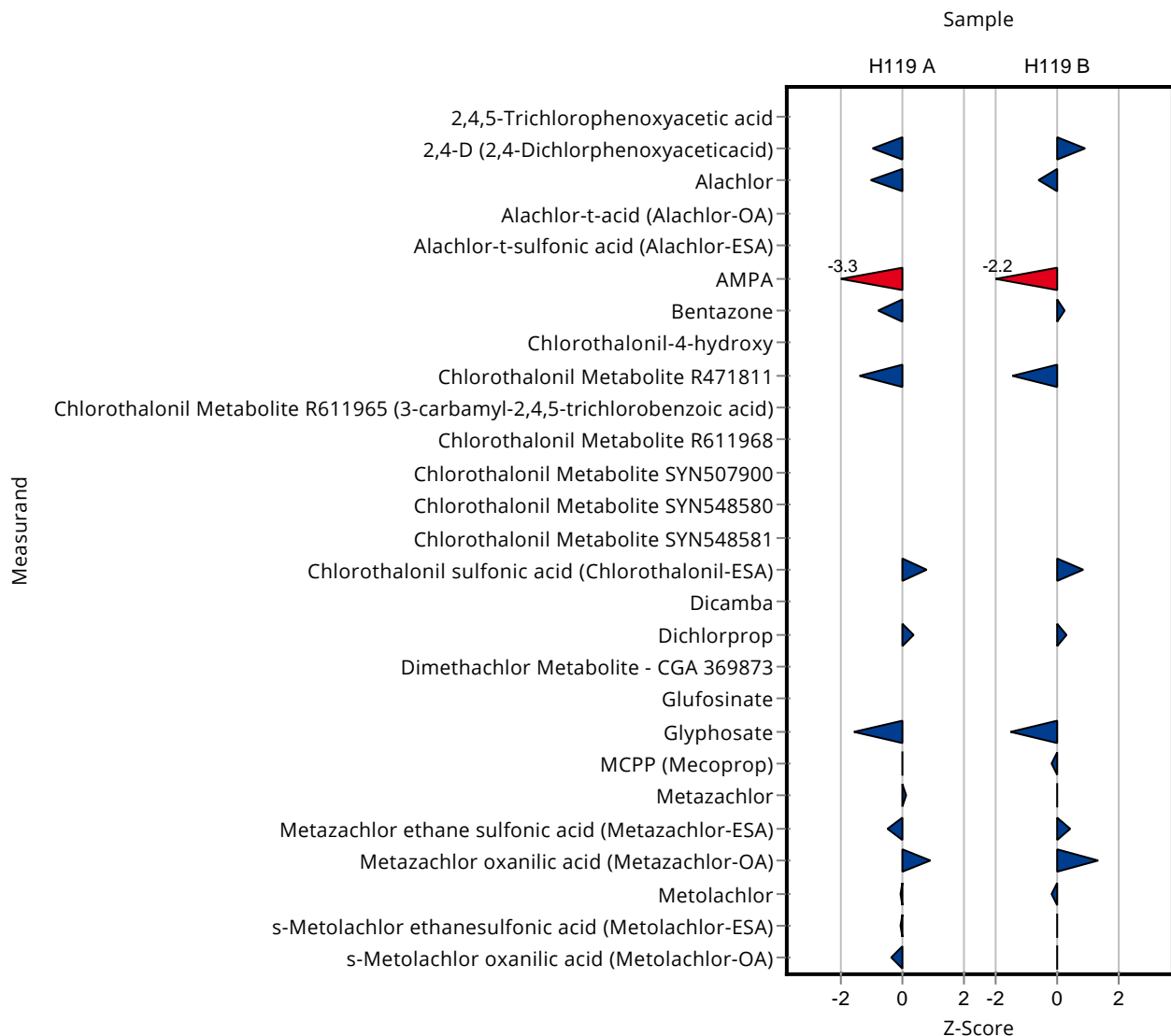
Labcode: LC0010

| Parameter | Unit | Assigned value ± U (k=2) | Result ± U | Criterion | Recovery [%] | z-Score |
|---|------|--------------------------|------------------|-----------|--------------|---------|
| Metolachlor | µg/l | 0.123 ± 0.0045 | 0.122 ± 0.020032 | 0.0185 | 99.1 | -0.06 |
| s-Metolachlor ethanesulfonic acid (Metolachlor-ESA) | µg/l | 0.333 ± 0.0193 | 0.327 ± 0.098198 | 0.0666 | 98.1 | -0.09 |
| s-Metolachlor oxanilic acid (Metolachlor-OA) | µg/l | 0.573 ± 0.0171 | 0.545 ± 0.115049 | 0.0802 | 95.1 | -0.35 |

Sample: H119B

| Parameter | Unit | Assigned value ± U (k=2) | Result ± U | Criterion | Recovery [%] | z-Score |
|--|------|--------------------------|------------------|-----------|--------------|---------|
| 2,4,5-Trichlorophenoxyacetic acid | µg/l | - ± - | - ± - | - | - | - |
| 2,4-D (2,4-Dichlorphenoxyacetic acid) | µg/l | 0.312 ± 0.0206 | 0.351 ± 0.114882 | 0.0437 | 113 | 0.90 |
| Alachlor | µg/l | 0.287 ± 0.0139 | 0.266 ± 0.082088 | 0.0345 | 92.5 | -0.62 |
| Alachlor-t-acid (Alachlor-OA) | µg/l | - ± - | 0.714 ± 0.134518 | - | - | - |
| Alachlor-t-sulfonic acid (Alachlor-ESA) | µg/l | - ± - | 0.451 ± 0.117621 | - | - | - |
| AMPA | µg/l | 0.308 ± 0.0129 | 0.22 ± 0.055 | 0.04 | 71.5 | -2.19 |
| Bentazone | µg/l | 0.449 ± 0.0346 | 0.466 ± 0.066871 | 0.0674 | 104 | 0.25 |
| Chlorothalonil-4-hydroxy | µg/l | - ± - | 0.493 ± 0.067935 | - | - | - |
| Chlorothalonil Metabolite R471811 | µg/l | 0.637 ± 0.0559 | 0.537 ± 0.124369 | 0.0701 | 84.3 | -1.43 |
| Chlorothalonil Metabolite R611965 (3-carbamyl-2,4,5-trichlorobenzoic acid) | µg/l | - ± - | 0.154 ± 0.045738 | - | - | - |
| Chlorothalonil Metabolite R611968 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite SYN507900 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite SYN548580 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite SYN548581 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil sulfonic acid (Chlorothalonil-ESA) | µg/l | 0.224 ± 0.018 | 0.245 ± 0.0441 | 0.0246 | 109 | 0.86 |
| Dicamba | µg/l | - ± - | 0.484 ± 0.162576 | - | - | - |
| Dichlorprop | µg/l | 0.615 ± 0.0303 | 0.635 ± 0.107315 | 0.0737 | 103 | 0.28 |
| Dimethachlor Metabolite - CGA 369873 | µg/l | - ± - | 0.432 ± 0.157637 | - | - | - |

| Parameter | Unit | Assigned value ± U (k=2) | Result ± U | Criterion Recovery | z-Score |
|---|------|--------------------------|------------------|--------------------|---------|
| | | | | [%] | |
| Glufosinate | µg/l | - ± - | 0.348 ± 0.087 | - | - |
| Glyphosate | µg/l | 0.517 ± 0.0538 | 0.361 ± 0.09025 | 0.103 | 69.9 |
| MCPP (Mecoprop) | µg/l | 0.315 ± 0.0145 | 0.309 ± 0.051325 | 0.041 | 98.1 |
| Metazachlor | µg/l | 0.413 ± 0.00694 | 0.413 ± 0.066286 | 0.0495 | 100 |
| Metazachlor ethane sulfonic acid (Metazachlor-ESA) | µg/l | 0.13 ± 0.0077 | 0.141 ± 0.032656 | 0.0248 | 108 |
| Metazachlor oxanilic acid (Metazachlor-OA) | µg/l | 0.14 ± 0.0186 | 0.179 ± 0.048831 | 0.0295 | 128 |
| Metolachlor | µg/l | 0.378 ± 0.0128 | 0.369 ± 0.06059 | 0.0567 | 97.7 |
| s-Metolachlor ethanesulfonic acid (Metolachlor-ESA) | µg/l | 0.222 ± 0.0102 | 0.221 ± 0.066366 | 0.0443 | 99.7 |
| s-Metolachlor oxanilic acid (Metolachlor-OA) | µg/l | 0.314 ± 0.0144 | 0.315 ± 0.066497 | 0.0439 | 100 |



Sample: H119A

| Parameter | Unit | Assigned value ± U (k=2) | Result ± U | Criterion | Recovery [%] | En-Score |
|--|------|--------------------------|------------------|-----------|--------------|----------|
| 2,4,5-Trichlorophenoxyacetic acid | µg/l | - ± - | - ± - | - | - | - |
| 2,4-D (2,4-Dichlorphenoxyaceticacid) | µg/l | 0.317 ± 0.0271 | 0.274 ± 0.08968 | 0.0444 | 86.4 | -0.24 |
| Alachlor | µg/l | 0.297 ± 0.0282 | 0.259 ± 0.079927 | 0.0356 | 87.4 | -0.23 |
| Alachlor-t-acid (Alachlor-OA) | µg/l | - ± - | 0.196 ± 0.036926 | - | - | - |
| Alachlor-t-sulfonic acid (Alachlor-ESA) | µg/l | - ± - | 0.154 ± 0.040163 | - | - | - |
| AMPA | µg/l | 0.622 ± 0.0447 | 0.359 ± 0.08975 | 0.0808 | 57.7 | -1.42 |
| Bentazone | µg/l | 0.216 ± 0.0126 | 0.189 ± 0.027121 | 0.0323 | 87.7 | -0.48 |
| Chlorothalonil-4-hydroxy | µg/l | - ± - | 0.612 ± 0.084334 | - | - | - |
| Chlorothalonil Metabolite R471811 | µg/l | 0.479 ± 0.0341 | 0.411 ± 0.095188 | 0.0479 | 85.8 | -0.35 |
| Chlorothalonil Metabolite R611965 (3-carbamyl-2,4,5-trichlorobenzoic acid) | µg/l | - ± - | 0.305 ± 0.090585 | - | - | - |
| Chlorothalonil Metabolite R611968 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite SYN507900 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite SYN548580 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite SYN548581 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil sulfonic acid (Chlorothalonil-ESA) | µg/l | 0.447 ± 0.032 | 0.481 ± 0.08658 | 0.0447 | 108 | 0.19 |
| Dicamba | µg/l | - ± - | 0.413 ± 0.138727 | - | - | - |
| Dichlorprop | µg/l | 0.361 ± 0.0153 | 0.377 ± 0.063713 | 0.0433 | 105 | 0.13 |
| Dimethachlor Metabolite - CGA 369873 | µg/l | - ± - | 0.378 ± 0.137932 | - | - | - |

Summary of results Pesticides H119 - En-Score

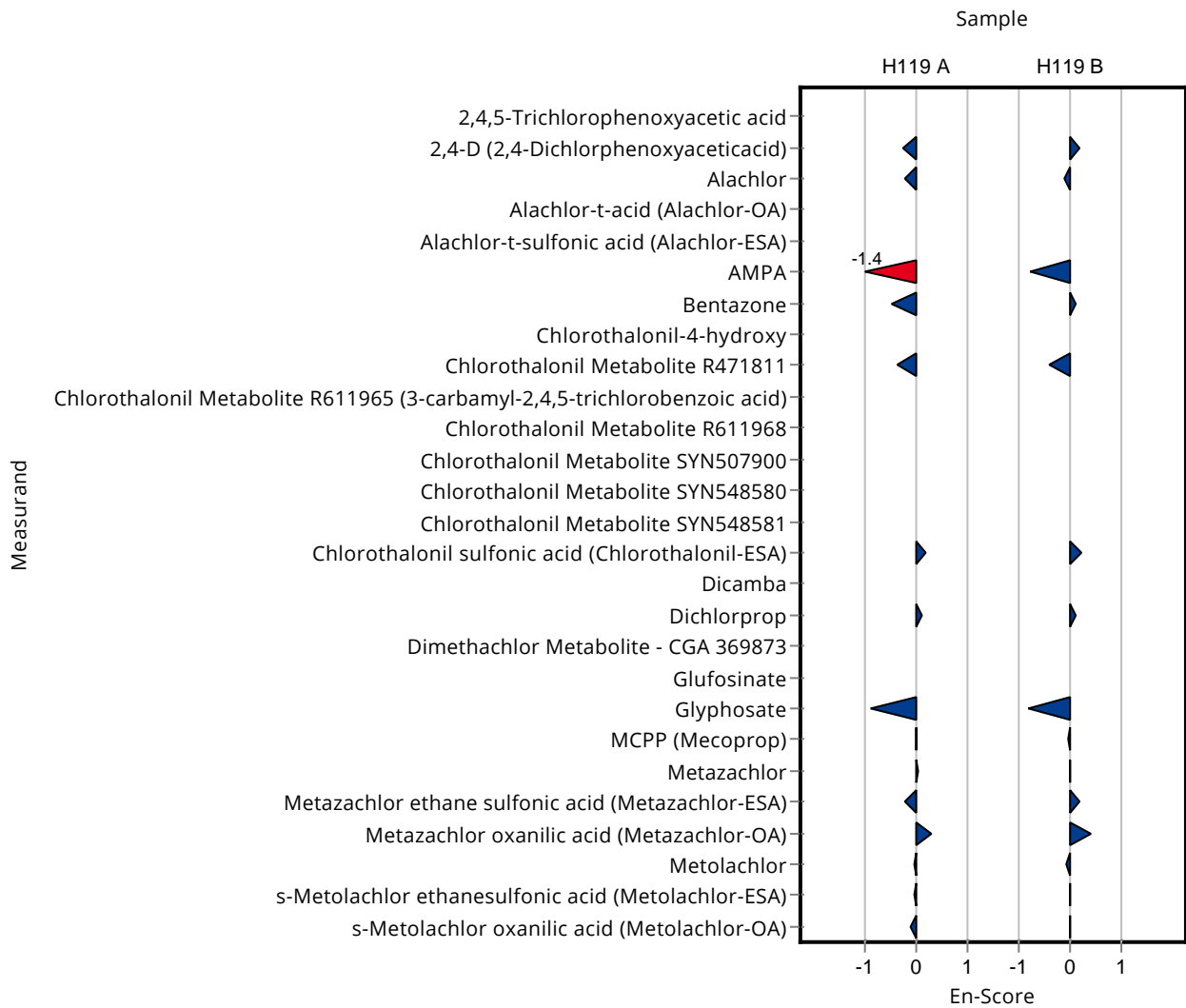
Labcode: LC0010

| Parameter | Unit | Assigned value ± U (k=2) | Result ± U | Criterion | Recovery [%] | En-Score |
|---|------|--------------------------|------------------|-----------|--------------|----------|
| Glufosinate | µg/l | - ± - | 0.32 ± 0.08 | - | - | - |
| Glyphosate | µg/l | 0.219 ± 0.0216 | 0.15 ± 0.0375 | 0.0438 | 68.5 | -0.88 |
| MCPP (Mecoprop) | µg/l | 0.189 ± 0.006 | 0.188 ± 0.031227 | 0.0245 | 99.7 | -0.01 |
| Metazachlor | µg/l | 0.201 ± 0.00507 | 0.204 ± 0.032742 | 0.0242 | 101 | 0.04 |
| Metazachlor ethane sulfonic acid (Metazachlor-ESA) | µg/l | 0.298 ± 0.0233 | 0.269 ± 0.0623 | 0.0567 | 90.2 | -0.23 |
| Metazachlor oxanilic acid (Metazachlor-OA) | µg/l | 0.345 ± 0.0304 | 0.41 ± 0.111848 | 0.0725 | 119 | 0.29 |
| Metolachlor | µg/l | 0.123 ± 0.0045 | 0.122 ± 0.020032 | 0.0185 | 99.1 | -0.03 |
| s-Metolachlor ethanesulfonic acid (Metolachlor-ESA) | µg/l | 0.333 ± 0.0193 | 0.327 ± 0.098198 | 0.0666 | 98.1 | -0.03 |
| s-Metolachlor oxanilic acid (Metolachlor-OA) | µg/l | 0.573 ± 0.0171 | 0.545 ± 0.115049 | 0.0802 | 95.1 | -0.12 |

Sample: H119B

| Parameter | Unit | Assigned value ± U (k=2) | Result ± U | Criterion | Recovery [%] | En-Score |
|---|------|--------------------------|------------------|-----------|--------------|----------|
| 2,4,5-Trichlorophenoxyacetic acid | µg/l | - ± - | - ± - | - | - | - |
| 2,4-D (2,4-Dichlorophenoxyacetic acid) | µg/l | 0.312 ± 0.0206 | 0.351 ± 0.114882 | 0.0437 | 113 | 0.17 |
| Alachlor | µg/l | 0.287 ± 0.0139 | 0.266 ± 0.082088 | 0.0345 | 92.5 | -0.13 |
| Alachlor-t-acid (Alachlor-OA) | µg/l | - ± - | 0.714 ± 0.134518 | - | - | - |
| Alachlor-t-sulfonic acid (Alachlor-ESA) | µg/l | - ± - | 0.451 ± 0.117621 | - | - | - |
| AMPA | µg/l | 0.308 ± 0.0129 | 0.22 ± 0.055 | 0.04 | 71.5 | -0.79 |
| Bentazone | µg/l | 0.449 ± 0.0346 | 0.466 ± 0.066871 | 0.0674 | 104 | 0.12 |
| Chlorothalonil-4-hydroxy | µg/l | - ± - | 0.493 ± 0.067935 | - | - | - |
| Chlorothalonil Metabolite R471811 | µg/l | 0.637 ± 0.0559 | 0.537 ± 0.124369 | 0.0701 | 84.3 | -0.39 |

| Parameter | Unit | Assigned value ± U (k=2) | Result ± U | Criterion Recovery [%] | En-Score | |
|--|------|--------------------------|------------------|------------------------|----------|-------|
| Chlorothalonil Metabolite R611965 (3-carbamyl-2,4,5-trichlorobenzoic acid) | µg/l | - ± - | 0.154 ± 0.045738 | - | - | |
| Chlorothalonil Metabolite R611968 | µg/l | - ± - | - ± - | - | - | |
| Chlorothalonil Metabolite SYN507900 | µg/l | - ± - | - ± - | - | - | |
| Chlorothalonil Metabolite SYN548580 | µg/l | - ± - | - ± - | - | - | |
| Chlorothalonil Metabolite SYN548581 | µg/l | - ± - | - ± - | - | - | |
| Chlorothalonil sulfonic acid (Chlorothalonil-ESA) | µg/l | 0.224 ± 0.018 | 0.245 ± 0.0441 | 0.0246 | 109 | 0.24 |
| Dicamba | µg/l | - ± - | 0.484 ± 0.162576 | - | - | - |
| Dichlorprop | µg/l | 0.615 ± 0.0303 | 0.635 ± 0.107315 | 0.0737 | 103 | 0.09 |
| Dimethachlor Metabolite - CGA 369873 | µg/l | - ± - | 0.432 ± 0.157637 | - | - | - |
| Glufosinate | µg/l | - ± - | 0.348 ± 0.087 | - | - | - |
| Glyphosate | µg/l | 0.517 ± 0.0538 | 0.361 ± 0.09025 | 0.103 | 69.9 | -0.83 |
| MCPP (Mecoprop) | µg/l | 0.315 ± 0.0145 | 0.309 ± 0.051325 | 0.041 | 98.1 | -0.06 |
| Metazachlor | µg/l | 0.413 ± 0.00694 | 0.413 ± 0.066286 | 0.0495 | 100 | 0.00 |
| Metazachlor ethane sulfonic acid (Metazachlor-ESA) | µg/l | 0.13 ± 0.0077 | 0.141 ± 0.032656 | 0.0248 | 108 | 0.16 |
| Metazachlor oxanilic acid (Metazachlor-OA) | µg/l | 0.14 ± 0.0186 | 0.179 ± 0.048831 | 0.0295 | 128 | 0.39 |
| Metolachlor | µg/l | 0.378 ± 0.0128 | 0.369 ± 0.06059 | 0.0567 | 97.7 | -0.07 |
| s-Metolachlor ethanesulfonic acid (Metolachlor-ESA) | µg/l | 0.222 ± 0.0102 | 0.221 ± 0.066366 | 0.0443 | 99.7 | 0.00 |
| s-Metolachlor oxanilic acid (Metolachlor-OA) | µg/l | 0.314 ± 0.0144 | 0.315 ± 0.066497 | 0.0439 | 100 | 0.01 |



Sample: H119A

| Parameter | Unit | Assigned value ± U (k=2) | Result ± U | Criterion | Recovery [%] | z-Score |
|--|------|--------------------------|---------------|-----------|--------------|---------|
| 2,4,5-Trichlorophenoxyacetic acid | µg/l | - ± - | - ± - | - | - | - |
| 2,4-D (2,4-Dichlorphenoxyaceticacid) | µg/l | 0.317 ± 0.0271 | 0.27 ± 0.049 | 0.0444 | 85.2 | -1.06 |
| Alachlor | µg/l | 0.297 ± 0.0282 | 0.266 ± 0.048 | 0.0356 | 89.7 | -0.86 |
| Alachlor-t-acid (Alachlor-OA) | µg/l | - ± - | 0.183 ± 0.033 | - | - | - |
| Alachlor-t-sulfonic acid (Alachlor-ESA) | µg/l | - ± - | 0.123 ± 0.022 | - | - | - |
| AMPA | µg/l | 0.622 ± 0.0447 | 0.663 ± 0.119 | 0.0808 | 107 | 0.51 |
| Bentazone | µg/l | 0.216 ± 0.0126 | 0.174 ± 0.031 | 0.0323 | 80.7 | -1.28 |
| Chlorothalonil-4-hydroxy | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite R471811 | µg/l | 0.479 ± 0.0341 | 0.509 ± 0.092 | 0.0479 | 106 | 0.62 |
| Chlorothalonil Metabolite R611965 (3-carbamyl-2,4,5-trichlorobenzoic acid) | µg/l | - ± - | 0.378 ± 0.068 | - | - | - |
| Chlorothalonil Metabolite R611968 | µg/l | - ± - | 0.363 ± 0.065 | - | - | - |
| Chlorothalonil Metabolite SYN507900 | µg/l | - ± - | 0.541 ± 0.097 | - | - | - |
| Chlorothalonil Metabolite SYN548580 | µg/l | - ± - | 0.394 ± 0.071 | - | - | - |
| Chlorothalonil Metabolite SYN548581 | µg/l | - ± - | 0.498 ± 0.09 | - | - | - |
| Chlorothalonil sulfonic acid (Chlorothalonil-ESA) | µg/l | 0.447 ± 0.032 | 0.434 ± 0.078 | 0.0447 | 97 | -0.30 |
| Dicamba | µg/l | - ± - | - ± - | - | - | - |
| Dichlorprop | µg/l | 0.361 ± 0.0153 | 0.331 ± 0.06 | 0.0433 | 91.8 | -0.68 |
| Dimethachlor Metabolite - CGA 369873 | µg/l | - ± - | - ± - | - | - | - |
| Glufosinate | µg/l | - ± - | 0.627 ± 0.113 | - | - | - |
| Glyphosate | µg/l | 0.219 ± 0.0216 | 0.247 ± 0.044 | 0.0438 | 113 | 0.64 |
| MCPP (Mecoprop) | µg/l | 0.189 ± 0.006 | 0.17 ± 0.031 | 0.0245 | 90.2 | -0.76 |
| Metazachlor | µg/l | 0.201 ± 0.00507 | 0.204 ± 0.037 | 0.0242 | 101 | 0.11 |
| Metazachlor ethane sulfonic acid (Metazachlor-ESA) | µg/l | 0.298 ± 0.0233 | 0.259 ± 0.047 | 0.0567 | 86.8 | -0.69 |
| Metazachlor oxanilic acid (Metazachlor-OA) | µg/l | 0.345 ± 0.0304 | 0.283 ± 0.051 | 0.0725 | 82 | -0.86 |

Summary of results Pesticides H119

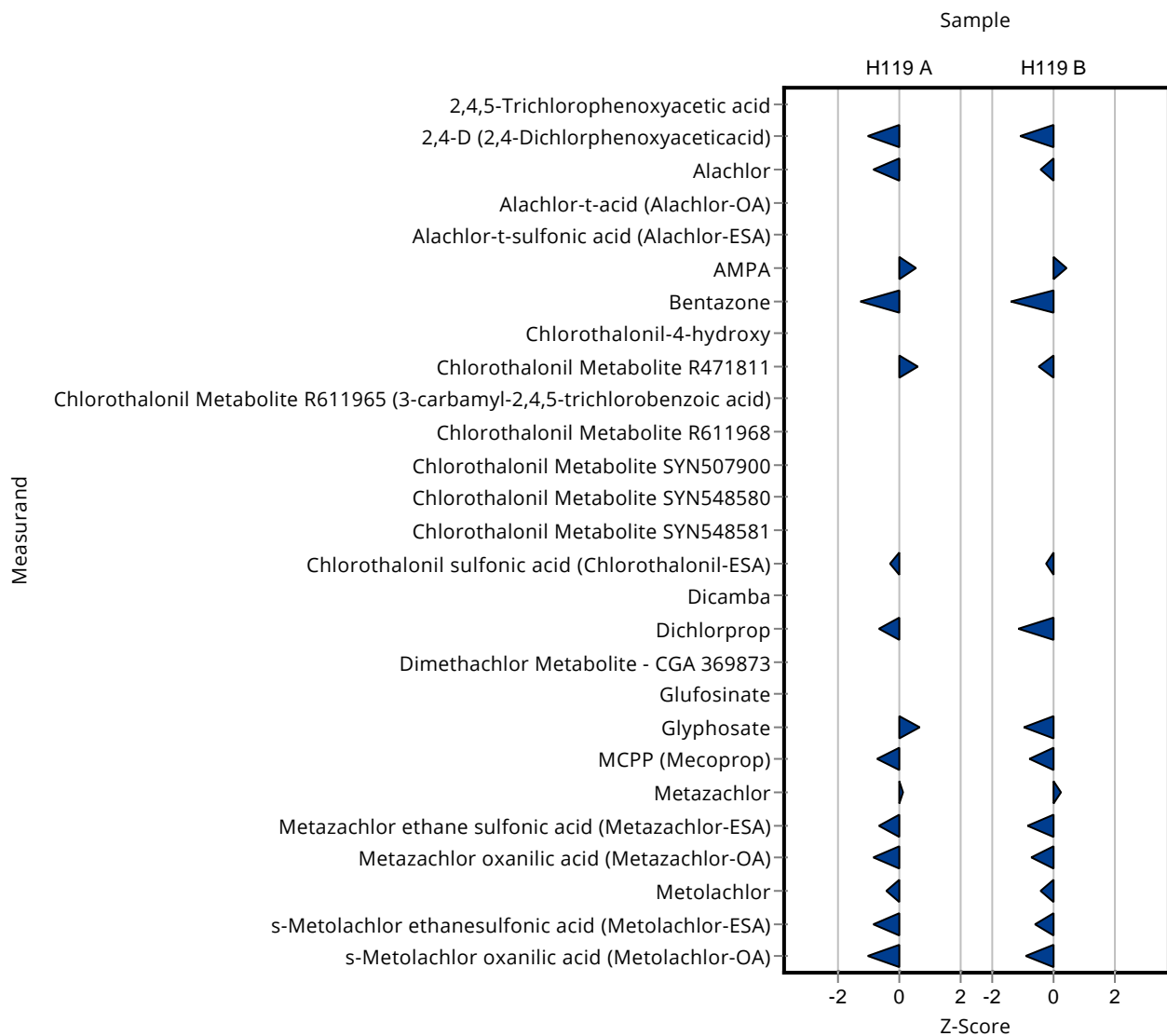
Labcode: LC0011

| Parameter | Unit | Assigned value ± U (k=2) | Result ± U | Criterion | Recovery [%] | z-Score |
|---|------|--------------------------|---------------|-----------|--------------|---------|
| Metolachlor | µg/l | 0.123 ± 0.0045 | 0.115 ± 0.021 | 0.0185 | 93.4 | -0.44 |
| s-Metolachlor ethanesulfonic acid (Metolachlor-ESA) | µg/l | 0.333 ± 0.0193 | 0.278 ± 0.05 | 0.0666 | 83.4 | -0.83 |
| s-Metolachlor oxanilic acid (Metolachlor-OA) | µg/l | 0.573 ± 0.0171 | 0.49 ± 0.088 | 0.0802 | 85.5 | -1.04 |

Sample: H119B

| Parameter | Unit | Assigned value ± U (k=2) | Result ± U | Criterion | Recovery [%] | z-Score |
|--|------|--------------------------|---------------|-----------|--------------|---------|
| 2,4,5-Trichlorophenoxyacetic acid | µg/l | - ± - | - ± - | - | - | - |
| 2,4-D (2,4-Dichlorphenoxyacetic acid) | µg/l | 0.312 ± 0.0206 | 0.265 ± 0.048 | 0.0437 | 85 | -1.07 |
| Alachlor | µg/l | 0.287 ± 0.0139 | 0.274 ± 0.049 | 0.0345 | 95.3 | -0.39 |
| Alachlor-t-acid (Alachlor-OA) | µg/l | - ± - | 0.66 ± 0.119 | - | - | - |
| Alachlor-t-sulfonic acid (Alachlor-ESA) | µg/l | - ± - | 0.372 ± 0.067 | - | - | - |
| AMPA | µg/l | 0.308 ± 0.0129 | 0.325 ± 0.059 | 0.04 | 106 | 0.43 |
| Bentazone | µg/l | 0.449 ± 0.0346 | 0.356 ± 0.064 | 0.0674 | 79.3 | -1.38 |
| Chlorothalonil-4-hydroxy | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite R471811 | µg/l | 0.637 ± 0.0559 | 0.604 ± 0.109 | 0.0701 | 94.8 | -0.47 |
| Chlorothalonil Metabolite R611965 (3-carbamyl-2,4,5-trichlorobenzoic acid) | µg/l | - ± - | 0.21 ± 0.038 | - | - | - |
| Chlorothalonil Metabolite R611968 | µg/l | - ± - | 0.259 ± 0.047 | - | - | - |
| Chlorothalonil Metabolite SYN507900 | µg/l | - ± - | 0.266 ± 0.048 | - | - | - |
| Chlorothalonil Metabolite SYN548580 | µg/l | - ± - | 0.605 ± 0.109 | - | - | - |
| Chlorothalonil Metabolite SYN548581 | µg/l | - ± - | 0.24 ± 0.043 | - | - | - |
| Chlorothalonil sulfonic acid (Chlorothalonil-ESA) | µg/l | 0.224 ± 0.018 | 0.218 ± 0.039 | 0.0246 | 97.4 | -0.23 |
| Dicamba | µg/l | - ± - | - ± - | - | - | - |
| Dichlorprop | µg/l | 0.615 ± 0.0303 | 0.53 ± 0.095 | 0.0737 | 86.2 | -1.15 |
| Dimethachlor Metabolite - CGA 369873 | µg/l | - ± - | - ± - | - | - | - |

| Parameter | Unit | Assigned value ± U (k=2) | Result ± U | Criterion | Recovery [%] | z-Score |
|---|------|--------------------------|---------------|-----------|--------------|---------|
| Glufosinate | µg/l | - ± - | 0.605 ± 0.109 | - | - | - |
| Glyphosate | µg/l | 0.517 ± 0.0538 | 0.417 ± 0.075 | 0.103 | 80.7 | -0.97 |
| MCPP (Mecoprop) | µg/l | 0.315 ± 0.0145 | 0.282 ± 0.051 | 0.041 | 89.5 | -0.81 |
| Metazachlor | µg/l | 0.413 ± 0.00694 | 0.426 ± 0.077 | 0.0495 | 103 | 0.27 |
| Metazachlor ethane sulfonic acid (Metazachlor-ESA) | µg/l | 0.13 ± 0.0077 | 0.109 ± 0.02 | 0.0248 | 83.7 | -0.86 |
| Metazachlor oxanilic acid (Metazachlor-OA) | µg/l | 0.14 ± 0.0186 | 0.119 ± 0.021 | 0.0295 | 84.8 | -0.72 |
| Metolachlor | µg/l | 0.378 ± 0.0128 | 0.354 ± 0.064 | 0.0567 | 93.7 | -0.42 |
| s-Metolachlor ethanesulfonic acid (Metolachlor-ESA) | µg/l | 0.222 ± 0.0102 | 0.194 ± 0.035 | 0.0443 | 87.6 | -0.62 |
| s-Metolachlor oxanilic acid (Metolachlor-OA) | µg/l | 0.314 ± 0.0144 | 0.274 ± 0.049 | 0.0439 | 87.4 | -0.90 |



Sample: H119A

| Parameter | Unit | Assigned value ± U (k=2) | Result ± U | Criterion | Recovery [%] | En-Score |
|--|------|--------------------------|---------------|-----------|--------------|----------|
| 2,4,5-Trichlorophenoxyacetic acid | µg/l | - ± - | - ± - | - | - | - |
| 2,4-D (2,4-Dichlorphenoxyaceticacid) | µg/l | 0.317 ± 0.0271 | 0.27 ± 0.049 | 0.0444 | 85.2 | -0.46 |
| Alachlor | µg/l | 0.297 ± 0.0282 | 0.266 ± 0.048 | 0.0356 | 89.7 | -0.30 |
| Alachlor-t-acid (Alachlor-OA) | µg/l | - ± - | 0.183 ± 0.033 | - | - | - |
| Alachlor-t-sulfonic acid (Alachlor-ESA) | µg/l | - ± - | 0.123 ± 0.022 | - | - | - |
| AMPA | µg/l | 0.622 ± 0.0447 | 0.663 ± 0.119 | 0.0808 | 107 | 0.17 |
| Bentazone | µg/l | 0.216 ± 0.0126 | 0.174 ± 0.031 | 0.0323 | 80.7 | -0.66 |
| Chlorothalonil-4-hydroxy | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite R471811 | µg/l | 0.479 ± 0.0341 | 0.509 ± 0.092 | 0.0479 | 106 | 0.16 |
| Chlorothalonil Metabolite R611965 (3-carbamyl-2,4,5-trichlorobenzoic acid) | µg/l | - ± - | 0.378 ± 0.068 | - | - | - |
| Chlorothalonil Metabolite R611968 | µg/l | - ± - | 0.363 ± 0.065 | - | - | - |
| Chlorothalonil Metabolite SYN507900 | µg/l | - ± - | 0.541 ± 0.097 | - | - | - |
| Chlorothalonil Metabolite SYN548580 | µg/l | - ± - | 0.394 ± 0.071 | - | - | - |
| Chlorothalonil Metabolite SYN548581 | µg/l | - ± - | 0.498 ± 0.09 | - | - | - |
| Chlorothalonil sulfonic acid (Chlorothalonil-ESA) | µg/l | 0.447 ± 0.032 | 0.434 ± 0.078 | 0.0447 | 97 | -0.08 |
| Dicamba | µg/l | - ± - | - ± - | - | - | - |
| Dichlorprop | µg/l | 0.361 ± 0.0153 | 0.331 ± 0.06 | 0.0433 | 91.8 | -0.24 |
| Dimethachlor Metabolite - CGA 369873 | µg/l | - ± - | - ± - | - | - | - |

Summary of results Pesticides H119 - En-Score

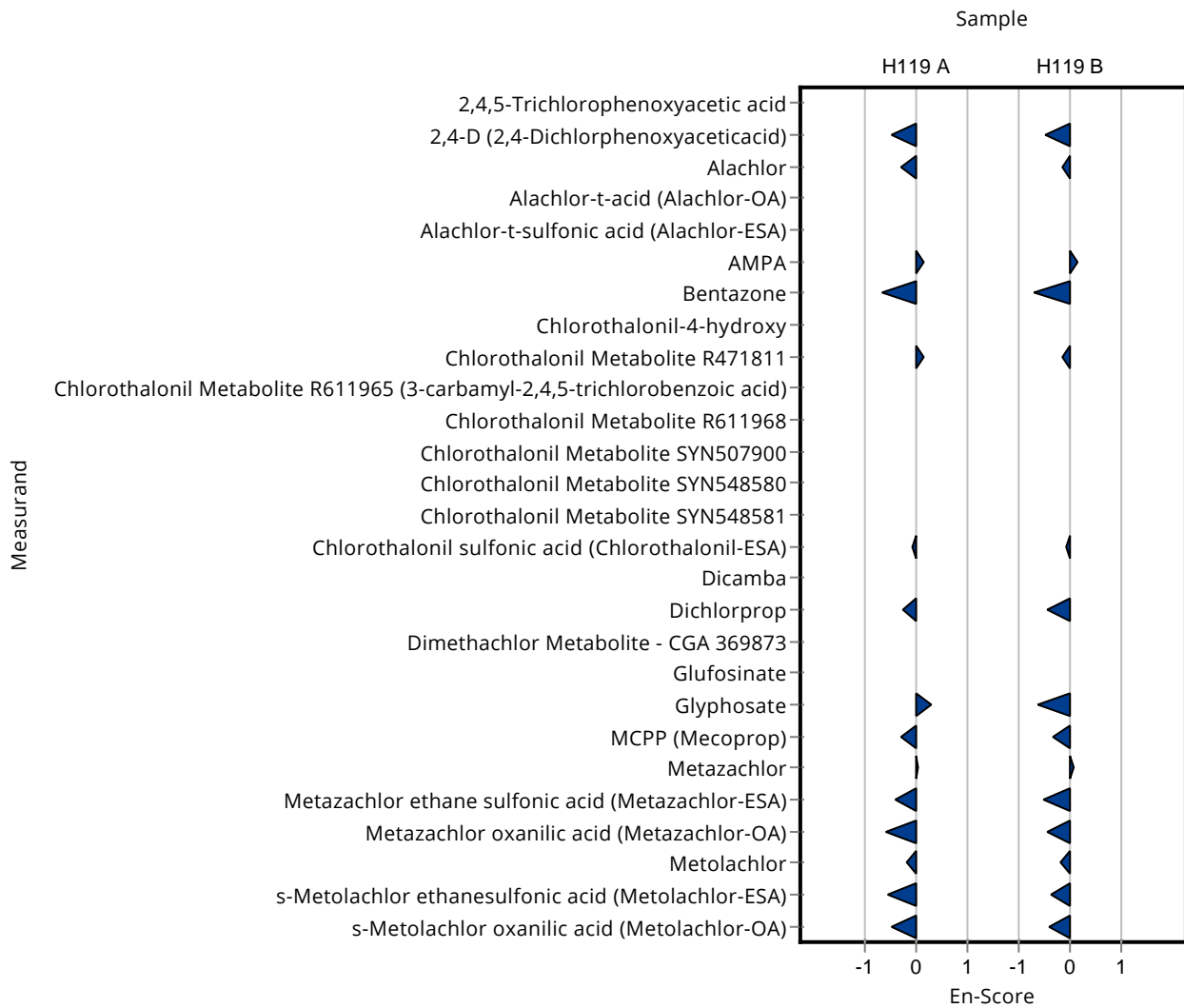
Labcode: LC0011

| Parameter | Unit | Assigned value ± U (k=2) | Result ± U | Criterion | Recovery [%] | En-Score |
|---|------|--------------------------|---------------|-----------|--------------|----------|
| Glufosinate | µg/l | - ± - | 0.627 ± 0.113 | - | - | - |
| Glyphosate | µg/l | 0.219 ± 0.0216 | 0.247 ± 0.044 | 0.0438 | 113 | 0.31 |
| MCPP (Mecoprop) | µg/l | 0.189 ± 0.006 | 0.17 ± 0.031 | 0.0245 | 90.2 | -0.30 |
| Metazachlor | µg/l | 0.201 ± 0.00507 | 0.204 ± 0.037 | 0.0242 | 101 | 0.04 |
| Metazachlor ethane sulfonic acid (Metazachlor-ESA) | µg/l | 0.298 ± 0.0233 | 0.259 ± 0.047 | 0.0567 | 86.8 | -0.41 |
| Metazachlor oxanilic acid (Metazachlor-OA) | µg/l | 0.345 ± 0.0304 | 0.283 ± 0.051 | 0.0725 | 82 | -0.58 |
| Metolachlor | µg/l | 0.123 ± 0.0045 | 0.115 ± 0.021 | 0.0185 | 93.4 | -0.19 |
| s-Metolachlor ethanesulfonic acid (Metolachlor-ESA) | µg/l | 0.333 ± 0.0193 | 0.278 ± 0.05 | 0.0666 | 83.4 | -0.54 |
| s-Metolachlor oxanilic acid (Metolachlor-OA) | µg/l | 0.573 ± 0.0171 | 0.49 ± 0.088 | 0.0802 | 85.5 | -0.47 |

Sample: H119B

| Parameter | Unit | Assigned value ± U (k=2) | Result ± U | Criterion | Recovery [%] | En-Score |
|---|------|--------------------------|---------------|-----------|--------------|----------|
| 2,4,5-Trichlorophenoxyacetic acid | µg/l | - ± - | - ± - | - | - | - |
| 2,4-D (2,4-Dichlorphenoxyaceticacid) | µg/l | 0.312 ± 0.0206 | 0.265 ± 0.048 | 0.0437 | 85 | -0.48 |
| Alachlor | µg/l | 0.287 ± 0.0139 | 0.274 ± 0.049 | 0.0345 | 95.3 | -0.14 |
| Alachlor-t-acid (Alachlor-OA) | µg/l | - ± - | 0.66 ± 0.119 | - | - | - |
| Alachlor-t-sulfonic acid (Alachlor-ESA) | µg/l | - ± - | 0.372 ± 0.067 | - | - | - |
| AMPA | µg/l | 0.308 ± 0.0129 | 0.325 ± 0.059 | 0.04 | 106 | 0.15 |
| Bentazone | µg/l | 0.449 ± 0.0346 | 0.356 ± 0.064 | 0.0674 | 79.3 | -0.70 |
| Chlorothalonil-4-hydroxy | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite R471811 | µg/l | 0.637 ± 0.0559 | 0.604 ± 0.109 | 0.0701 | 94.8 | -0.15 |

| Parameter | Unit | Assigned value ± U (k=2) | Result ± U | Criterion | Recovery [%] | En-Score |
|--|------|--------------------------|---------------|-----------|--------------|----------|
| Chlorothalonil Metabolite R611965 (3-carbamyl-2,4,5-trichlorobenzoic acid) | µg/l | - ± - | 0.21 ± 0.038 | - | - | - |
| Chlorothalonil Metabolite R611968 | µg/l | - ± - | 0.259 ± 0.047 | - | - | - |
| Chlorothalonil Metabolite SYN507900 | µg/l | - ± - | 0.266 ± 0.048 | - | - | - |
| Chlorothalonil Metabolite SYN548580 | µg/l | - ± - | 0.605 ± 0.109 | - | - | - |
| Chlorothalonil Metabolite SYN548581 | µg/l | - ± - | 0.24 ± 0.043 | - | - | - |
| Chlorothalonil sulfonic acid (Chlorothalonil-ESA) | µg/l | 0.224 ± 0.018 | 0.218 ± 0.039 | 0.0246 | 97.4 | -0.07 |
| Dicamba | µg/l | - ± - | - ± - | - | - | - |
| Dichlorprop | µg/l | 0.615 ± 0.0303 | 0.53 ± 0.095 | 0.0737 | 86.2 | -0.44 |
| Dimethachlor Metabolite - CGA 369873 | µg/l | - ± - | - ± - | - | - | - |
| Glufosinate | µg/l | - ± - | 0.605 ± 0.109 | - | - | - |
| Glyphosate | µg/l | 0.517 ± 0.0538 | 0.417 ± 0.075 | 0.103 | 80.7 | -0.63 |
| MCPP (Mecoprop) | µg/l | 0.315 ± 0.0145 | 0.282 ± 0.051 | 0.041 | 89.5 | -0.32 |
| Metazachlor | µg/l | 0.413 ± 0.00694 | 0.426 ± 0.077 | 0.0495 | 103 | 0.09 |
| Metazachlor ethane sulfonic acid (Metazachlor-ESA) | µg/l | 0.13 ± 0.0077 | 0.109 ± 0.02 | 0.0248 | 83.7 | -0.52 |
| Metazachlor oxanilic acid (Metazachlor-OA) | µg/l | 0.14 ± 0.0186 | 0.119 ± 0.021 | 0.0295 | 84.8 | -0.46 |
| Metolachlor | µg/l | 0.378 ± 0.0128 | 0.354 ± 0.064 | 0.0567 | 93.7 | -0.18 |
| s-Metolachlor ethanesulfonic acid (Metolachlor-ESA) | µg/l | 0.222 ± 0.0102 | 0.194 ± 0.035 | 0.0443 | 87.6 | -0.39 |
| s-Metolachlor oxanilic acid (Metolachlor-OA) | µg/l | 0.314 ± 0.0144 | 0.274 ± 0.049 | 0.0439 | 87.4 | -0.40 |



Sample: H119A

| Parameter | Unit | Assigned value ± U (k=2) | Result ± U | Criterion | Recovery [%] | z-Score |
|--|------|--------------------------|-------------|-----------|--------------|---------|
| 2,4,5-Trichlorophenoxyacetic acid | µg/l | - ± - | - ± - | - | - | - |
| 2,4-D (2,4-Dichlorphenoxyaceticacid) | µg/l | 0.317 ± 0.0271 | 0.3 ± 0.09 | 0.0444 | 94.6 | -0.38 |
| Alachlor | µg/l | 0.297 ± 0.0282 | - ± - | 0.0356 | - | - |
| Alachlor-t-acid (Alachlor-OA) | µg/l | - ± - | - ± - | - | - | - |
| Alachlor-t-sulfonic acid (Alachlor-ESA) | µg/l | - ± - | - ± - | - | - | - |
| AMPA | µg/l | 0.622 ± 0.0447 | - ± - | 0.0808 | - | - |
| Bentazone | µg/l | 0.216 ± 0.0126 | 0.21 ± 0.06 | 0.0323 | 97.4 | -0.17 |
| Chlorothalonil-4-hydroxy | µg/l | - ± - | 0.68 ± 0.21 | - | - | - |
| Chlorothalonil Metabolite R471811 | µg/l | 0.479 ± 0.0341 | 0.42 ± 0.12 | 0.0479 | 87.7 | -1.23 |
| Chlorothalonil Metabolite R611965 (3-carbamyl-2,4,5-trichlorobenzoic acid) | µg/l | - ± - | 0.34 ± 0.11 | - | - | - |
| Chlorothalonil Metabolite R611968 | µg/l | - ± - | 0.35 ± 0.12 | - | - | - |
| Chlorothalonil Metabolite SYN507900 | µg/l | - ± - | 0.6 ± 0.18 | - | - | - |
| Chlorothalonil Metabolite SYN548580 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite SYN548581 | µg/l | - ± - | 0.56 ± 0.18 | - | - | - |
| Chlorothalonil sulfonic acid (Chlorothalonil-ESA) | µg/l | 0.447 ± 0.032 | 0.51 ± 0.17 | 0.0447 | 114 | 1.40 |
| Dicamba | µg/l | - ± - | - ± - | - | - | - |
| Dichlorprop | µg/l | 0.361 ± 0.0153 | 0.35 ± 0.12 | 0.0433 | 97.1 | -0.24 |
| Dimethachlor Metabolite - CGA 369873 | µg/l | - ± - | 0.4 ± 0.12 | - | - | - |
| Glufosinate | µg/l | - ± - | - ± - | - | - | - |
| Glyphosate | µg/l | 0.219 ± 0.0216 | - ± - | 0.0438 | - | - |
| MCPP (Mecoprop) | µg/l | 0.189 ± 0.006 | 0.19 ± 0.06 | 0.0245 | 101 | 0.06 |
| Metazachlor | µg/l | 0.201 ± 0.00507 | 0.21 ± 0.06 | 0.0242 | 104 | 0.36 |
| Metazachlor ethane sulfonic acid (Metazachlor-ESA) | µg/l | 0.298 ± 0.0233 | 0.29 ± 0.09 | 0.0567 | 97.2 | -0.15 |
| Metazachlor oxanilic acid (Metazachlor-OA) | µg/l | 0.345 ± 0.0304 | 0.31 ± 0.09 | 0.0725 | 89.9 | -0.48 |

Summary of results Pesticides H119

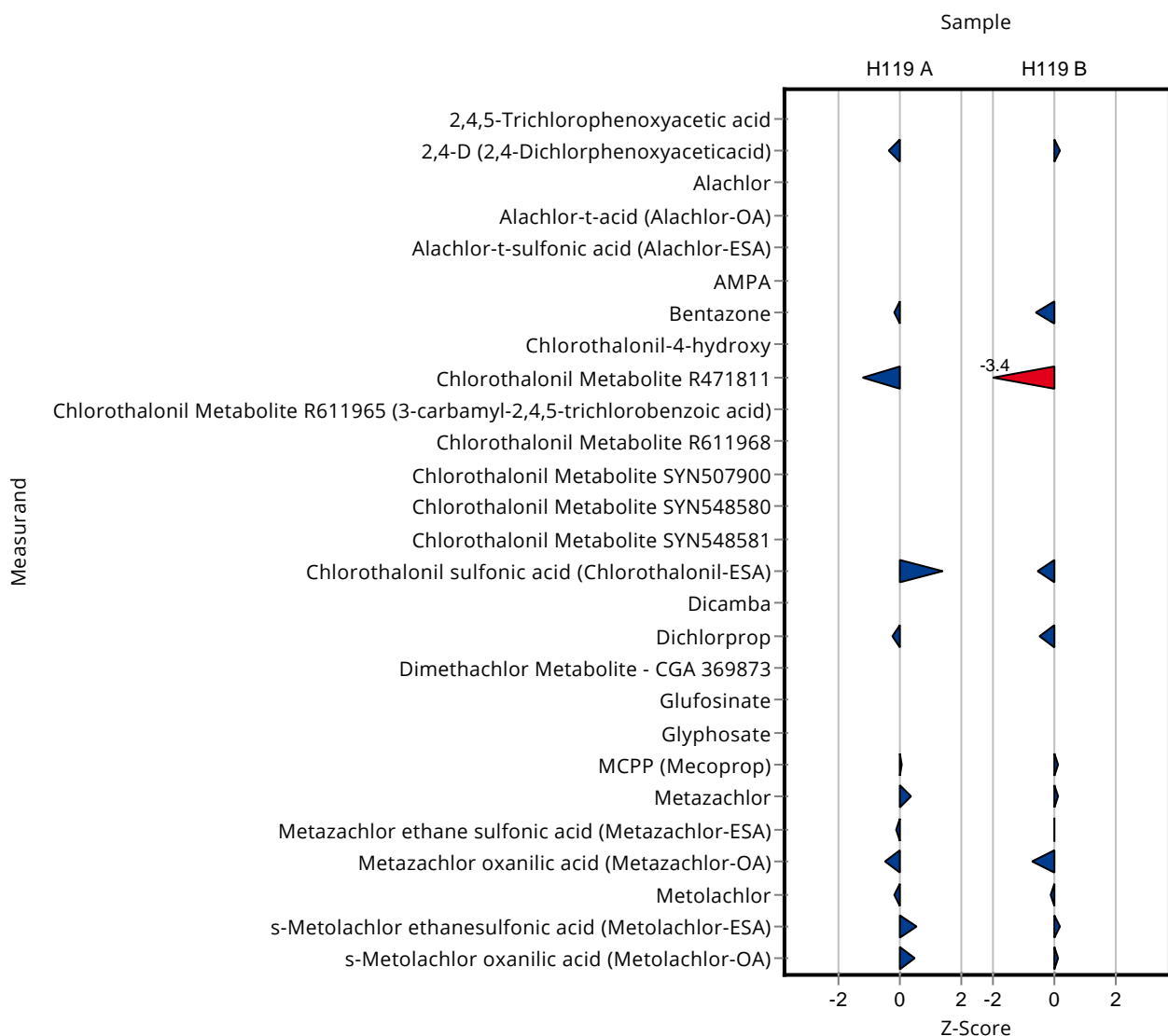
Labcode: LC0012

| Parameter | Unit | Assigned value ± U (k=2) | Result ± U | Criterion | Recovery [%] | z-Score |
|---|------|--------------------------|-------------|-----------|--------------|---------|
| Metolachlor | µg/l | 0.123 ± 0.0045 | 0.12 ± 0.03 | 0.0185 | 97.5 | -0.17 |
| s-Metolachlor ethanesulfonic acid (Metolachlor-ESA) | µg/l | 0.333 ± 0.0193 | 0.37 ± 0.12 | 0.0666 | 111 | 0.55 |
| s-Metolachlor oxanilic acid (Metolachlor-OA) | µg/l | 0.573 ± 0.0171 | 0.61 ± 0.18 | 0.0802 | 106 | 0.46 |

Sample: H119B

| Parameter | Unit | Assigned value ± U (k=2) | Result ± U | Criterion | Recovery [%] | z-Score |
|--|------|--------------------------|-------------|-----------|--------------|---------|
| 2,4,5-Trichlorophenoxyacetic acid | µg/l | - ± - | - ± - | - | - | - |
| 2,4-D (2,4-Dichlorphenoxyacetic acid) | µg/l | 0.312 ± 0.0206 | 0.32 ± 0.1 | 0.0437 | 103 | 0.19 |
| Alachlor | µg/l | 0.287 ± 0.0139 | - ± - | 0.0345 | - | - |
| Alachlor-t-acid (Alachlor-OA) | µg/l | - ± - | - ± - | - | - | - |
| Alachlor-t-sulfonic acid (Alachlor-ESA) | µg/l | - ± - | - ± - | - | - | - |
| AMPA | µg/l | 0.308 ± 0.0129 | - ± - | 0.04 | - | - |
| Bentazone | µg/l | 0.449 ± 0.0346 | 0.41 ± 0.12 | 0.0674 | 91.3 | -0.58 |
| Chlorothalonil-4-hydroxy | µg/l | - ± - | 0.5 ± 0.15 | - | - | - |
| Chlorothalonil Metabolite R471811 | µg/l | 0.637 ± 0.0559 | 0.4 ± 0.12 | 0.0701 | 62.8 | -3.38 |
| Chlorothalonil Metabolite R611965 (3-carbamyl-2,4,5-trichlorobenzoic acid) | µg/l | - ± - | 0.16 ± 0.06 | - | - | - |
| Chlorothalonil Metabolite R611968 | µg/l | - ± - | 0.23 ± 0.07 | - | - | - |
| Chlorothalonil Metabolite SYN507900 | µg/l | - ± - | 0.22 ± 0.07 | - | - | - |
| Chlorothalonil Metabolite SYN548580 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite SYN548581 | µg/l | - ± - | 0.18 ± 0.06 | - | - | - |
| Chlorothalonil sulfonic acid (Chlorothalonil-ESA) | µg/l | 0.224 ± 0.018 | 0.21 ± 0.06 | 0.0246 | 93.9 | -0.56 |
| Dicamba | µg/l | - ± - | - ± - | - | - | - |
| Dichlorprop | µg/l | 0.615 ± 0.0303 | 0.58 ± 0.17 | 0.0737 | 94.4 | -0.47 |
| Dimethachlor Metabolite - CGA 369873 | µg/l | - ± - | 0.31 ± 0.1 | - | - | - |

| Parameter | Unit | Assigned value ± U (k=2) | Result ± U | Criterion Recovery [%] | z-Score |
|---|------|--------------------------|-------------|------------------------|---------|
| Glufosinate | µg/l | - ± - | - ± - | - | - |
| Glyphosate | µg/l | 0.517 ± 0.0538 | - ± - | 0.103 | - |
| MCPP (Mecoprop) | µg/l | 0.315 ± 0.0145 | 0.32 ± 0.1 | 0.041 | 102 |
| Metazachlor | µg/l | 0.413 ± 0.00694 | 0.42 ± 0.12 | 0.0495 | 102 |
| Metazachlor ethane sulfonic acid (Metazachlor-ESA) | µg/l | 0.13 ± 0.0077 | 0.13 ± 0.04 | 0.0248 | 99.8 |
| Metazachlor oxanilic acid (Metazachlor-OA) | µg/l | 0.14 ± 0.0186 | 0.12 ± 0.04 | 0.0295 | 85.5 |
| Metolachlor | µg/l | 0.378 ± 0.0128 | 0.37 ± 0.11 | 0.0567 | 98 |
| s-Metolachlor ethanesulfonic acid (Metolachlor-ESA) | µg/l | 0.222 ± 0.0102 | 0.23 ± 0.07 | 0.0443 | 104 |
| s-Metolachlor oxanilic acid (Metolachlor-OA) | µg/l | 0.314 ± 0.0144 | 0.32 ± 0.1 | 0.0439 | 102 |



Sample: H119A

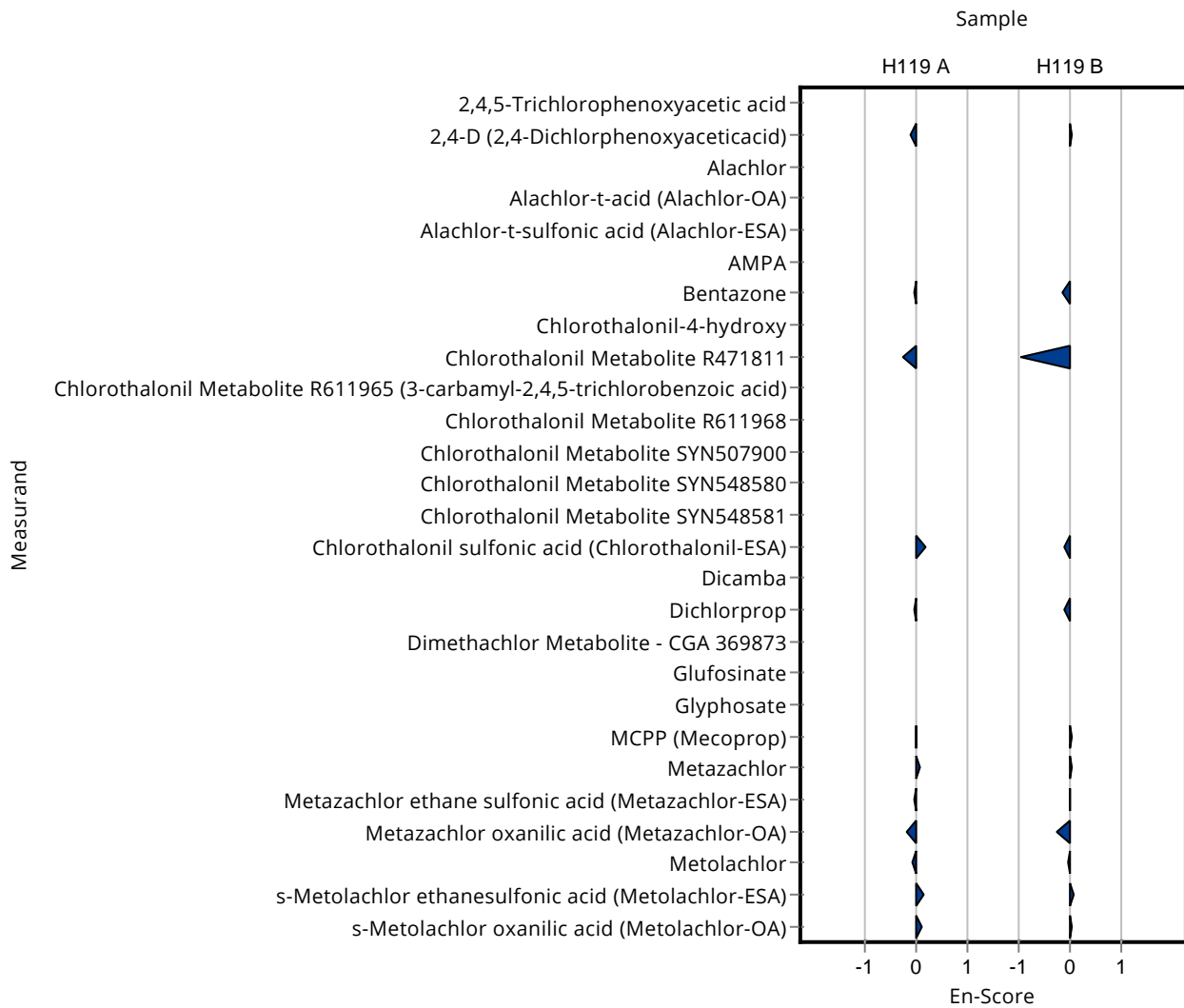
| Parameter | Unit | Assigned value ± U (k=2) | Result ± U | Criterion | Recovery [%] | En-Score |
|--|------|--------------------------|-------------|-----------|--------------|----------|
| 2,4,5-Trichlorophenoxyacetic acid | µg/l | - ± - | - ± - | - | - | - |
| 2,4-D (2,4-Dichlorphenoxyaceticacid) | µg/l | 0.317 ± 0.0271 | 0.3 ± 0.09 | 0.0444 | 94.6 | -0.09 |
| Alachlor | µg/l | 0.297 ± 0.0282 | - ± - | 0.0356 | - | - |
| Alachlor-t-acid (Alachlor-OA) | µg/l | - ± - | - ± - | - | - | - |
| Alachlor-t-sulfonic acid (Alachlor-ESA) | µg/l | - ± - | - ± - | - | - | - |
| AMPA | µg/l | 0.622 ± 0.0447 | - ± - | 0.0808 | - | - |
| Bentazone | µg/l | 0.216 ± 0.0126 | 0.21 ± 0.06 | 0.0323 | 97.4 | -0.05 |
| Chlorothalonil-4-hydroxy | µg/l | - ± - | 0.68 ± 0.21 | - | - | - |
| Chlorothalonil Metabolite R471811 | µg/l | 0.479 ± 0.0341 | 0.42 ± 0.12 | 0.0479 | 87.7 | -0.24 |
| Chlorothalonil Metabolite R611965 (3-carbamyl-2,4,5-trichlorobenzoic acid) | µg/l | - ± - | 0.34 ± 0.11 | - | - | - |
| Chlorothalonil Metabolite R611968 | µg/l | - ± - | 0.35 ± 0.12 | - | - | - |
| Chlorothalonil Metabolite SYN507900 | µg/l | - ± - | 0.6 ± 0.18 | - | - | - |
| Chlorothalonil Metabolite SYN548580 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite SYN548581 | µg/l | - ± - | 0.56 ± 0.18 | - | - | - |
| Chlorothalonil sulfonic acid (Chlorothalonil-ESA) | µg/l | 0.447 ± 0.032 | 0.51 ± 0.17 | 0.0447 | 114 | 0.18 |
| Dicamba | µg/l | - ± - | - ± - | - | - | - |
| Dichlorprop | µg/l | 0.361 ± 0.0153 | 0.35 ± 0.12 | 0.0433 | 97.1 | -0.04 |
| Dimethachlor Metabolite - CGA 369873 | µg/l | - ± - | 0.4 ± 0.12 | - | - | - |

| Parameter | Unit | Assigned value ± U (k=2) | Result ± U | Criterion | Recovery [%] | En-Score |
|---|------|--------------------------|-------------|-----------|--------------|----------|
| Glufosinate | µg/l | - ± - | - ± - | - | - | - |
| Glyphosate | µg/l | 0.219 ± 0.0216 | - ± - | 0.0438 | - | - |
| MCPP (Mecoprop) | µg/l | 0.189 ± 0.006 | 0.19 ± 0.06 | 0.0245 | 101 | 0.01 |
| Metazachlor | µg/l | 0.201 ± 0.00507 | 0.21 ± 0.06 | 0.0242 | 104 | 0.07 |
| Metazachlor ethane sulfonic acid (Metazachlor-ESA) | µg/l | 0.298 ± 0.0233 | 0.29 ± 0.09 | 0.0567 | 97.2 | -0.05 |
| Metazachlor oxanilic acid (Metazachlor-OA) | µg/l | 0.345 ± 0.0304 | 0.31 ± 0.09 | 0.0725 | 89.9 | -0.19 |
| Metolachlor | µg/l | 0.123 ± 0.0045 | 0.12 ± 0.03 | 0.0185 | 97.5 | -0.05 |
| s-Metolachlor ethanesulfonic acid (Metolachlor-ESA) | µg/l | 0.333 ± 0.0193 | 0.37 ± 0.12 | 0.0666 | 111 | 0.15 |
| s-Metolachlor oxanilic acid (Metolachlor-OA) | µg/l | 0.573 ± 0.0171 | 0.61 ± 0.18 | 0.0802 | 106 | 0.10 |

Sample: H119B

| Parameter | Unit | Assigned value ± U (k=2) | Result ± U | Criterion | Recovery [%] | En-Score |
|---|------|--------------------------|-------------|-----------|--------------|----------|
| 2,4,5-Trichlorophenoxyacetic acid | µg/l | - ± - | - ± - | - | - | - |
| 2,4-D (2,4-Dichlorphenoxyaceticacid) | µg/l | 0.312 ± 0.0206 | 0.32 ± 0.1 | 0.0437 | 103 | 0.04 |
| Alachlor | µg/l | 0.287 ± 0.0139 | - ± - | 0.0345 | - | - |
| Alachlor-t-acid (Alachlor-OA) | µg/l | - ± - | - ± - | - | - | - |
| Alachlor-t-sulfonic acid (Alachlor-ESA) | µg/l | - ± - | - ± - | - | - | - |
| AMPA | µg/l | 0.308 ± 0.0129 | - ± - | 0.04 | - | - |
| Bentazone | µg/l | 0.449 ± 0.0346 | 0.41 ± 0.12 | 0.0674 | 91.3 | -0.16 |
| Chlorothalonil-4-hydroxy | µg/l | - ± - | 0.5 ± 0.15 | - | - | - |
| Chlorothalonil Metabolite R471811 | µg/l | 0.637 ± 0.0559 | 0.4 ± 0.12 | 0.0701 | 62.8 | -0.96 |

| Parameter | Unit | Assigned value ± U (k=2) | Result ± U | Criterion | Recovery [%] | En-Score |
|--|------|--------------------------|-------------|-----------|--------------|----------|
| Chlorothalonil Metabolite R611965 (3-carbamyl-2,4,5-trichlorobenzoic acid) | µg/l | - ± - | 0.16 ± 0.06 | - | - | - |
| Chlorothalonil Metabolite R611968 | µg/l | - ± - | 0.23 ± 0.07 | - | - | - |
| Chlorothalonil Metabolite SYN507900 | µg/l | - ± - | 0.22 ± 0.07 | - | - | - |
| Chlorothalonil Metabolite SYN548580 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite SYN548581 | µg/l | - ± - | 0.18 ± 0.06 | - | - | - |
| Chlorothalonil sulfonic acid (Chlorothalonil-ESA) | µg/l | 0.224 ± 0.018 | 0.21 ± 0.06 | 0.0246 | 93.9 | -0.11 |
| Dicamba | µg/l | - ± - | - ± - | - | - | - |
| Dichlorprop | µg/l | 0.615 ± 0.0303 | 0.58 ± 0.17 | 0.0737 | 94.4 | -0.10 |
| Dimethachlor Metabolite - CGA 369873 | µg/l | - ± - | 0.31 ± 0.1 | - | - | - |
| Glufosinate | µg/l | - ± - | - ± - | - | - | - |
| Glyphosate | µg/l | 0.517 ± 0.0538 | - ± - | 0.103 | - | - |
| MCPP (Mecoprop) | µg/l | 0.315 ± 0.0145 | 0.32 ± 0.1 | 0.041 | 102 | 0.02 |
| Metazachlor | µg/l | 0.413 ± 0.00694 | 0.42 ± 0.12 | 0.0495 | 102 | 0.03 |
| Metazachlor ethane sulfonic acid (Metazachlor-ESA) | µg/l | 0.13 ± 0.0077 | 0.13 ± 0.04 | 0.0248 | 99.8 | 0.00 |
| Metazachlor oxanilic acid (Metazachlor-OA) | µg/l | 0.14 ± 0.0186 | 0.12 ± 0.04 | 0.0295 | 85.5 | -0.25 |
| Metolachlor | µg/l | 0.378 ± 0.0128 | 0.37 ± 0.11 | 0.0567 | 98 | -0.03 |
| s-Metolachlor ethanesulfonic acid (Metolachlor-ESA) | µg/l | 0.222 ± 0.0102 | 0.23 ± 0.07 | 0.0443 | 104 | 0.06 |
| s-Metolachlor oxanilic acid (Metolachlor-OA) | µg/l | 0.314 ± 0.0144 | 0.32 ± 0.1 | 0.0439 | 102 | 0.03 |



Sample: H119A

| Parameter | Unit | Assigned value ± U (k=2) | Result ± U | Criterion | Recovery [%] | z-Score |
|--|------|--------------------------|-----------------|-----------|--------------|---------|
| 2,4,5-Trichlorophenoxyacetic acid | µg/l | - ± - | 0.2538 ± 0.0203 | - | - | - |
| 2,4-D (2,4-Dichlorphenoxyaceticacid) | µg/l | 0.317 ± 0.0271 | 0.2776 ± 0.0264 | 0.0444 | 87.6 | -0.89 |
| Alachlor | µg/l | 0.297 ± 0.0282 | 0.258 ± 0.04902 | 0.0356 | 87 | -1.08 |
| Alachlor-t-acid (Alachlor-OA) | µg/l | - ± - | 0.1901 ± 0.034 | - | - | - |
| Alachlor-t-sulfonic acid (Alachlor-ESA) | µg/l | - ± - | 0.1174 ± 0.0234 | - | - | - |
| AMPA | µg/l | 0.622 ± 0.0447 | 0.75 ± 0.135 | 0.0808 | 121 | 1.58 |
| Bentazone | µg/l | 0.216 ± 0.0126 | 0.2037 ± 0.0122 | 0.0323 | 94.5 | -0.37 |
| Chlorothalonil-4-hydroxy | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite R471811 | µg/l | 0.479 ± 0.0341 | 0.542 ± 0.0542 | 0.0479 | 113 | 1.31 |
| Chlorothalonil Metabolite R611965 (3-carbamyl-2,4,5-trichlorobenzoic acid) | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite R611968 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite SYN507900 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite SYN548580 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite SYN548581 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil sulfonic acid (Chlorothalonil-ESA) | µg/l | 0.447 ± 0.032 | 0.437 ± 0.1794 | 0.0447 | 97.7 | -0.23 |
| Dicamba | µg/l | - ± - | - ± - | - | - | - |
| Dichlorprop | µg/l | 0.361 ± 0.0153 | 0.325 ± 0.0228 | 0.0433 | 90.1 | -0.82 |
| Dimethachlor Metabolite - CGA 369873 | µg/l | - ± - | - ± - | - | - | - |
| Glufosinate | µg/l | - ± - | - ± - | - | - | - |
| Glyphosate | µg/l | 0.219 ± 0.0216 | 0.237 ± 0.035 | 0.0438 | 108 | 0.41 |
| MCPP (Mecoprop) | µg/l | 0.189 ± 0.006 | 0.1715 ± 0.0163 | 0.0245 | 91 | -0.70 |
| Metazachlor | µg/l | 0.201 ± 0.00507 | 0.1848 ± 0.0314 | 0.0242 | 91.8 | -0.68 |
| Metazachlor ethane sulfonic acid (Metazachlor-ESA) | µg/l | 0.298 ± 0.0233 | 0.325 ± 0.0805 | 0.0567 | 109 | 0.47 |
| Metazachlor oxanilic acid (Metazachlor-OA) | µg/l | 0.345 ± 0.0304 | 0.3265 ± 0.1125 | 0.0725 | 94.6 | -0.26 |

Summary of results Pesticides H119

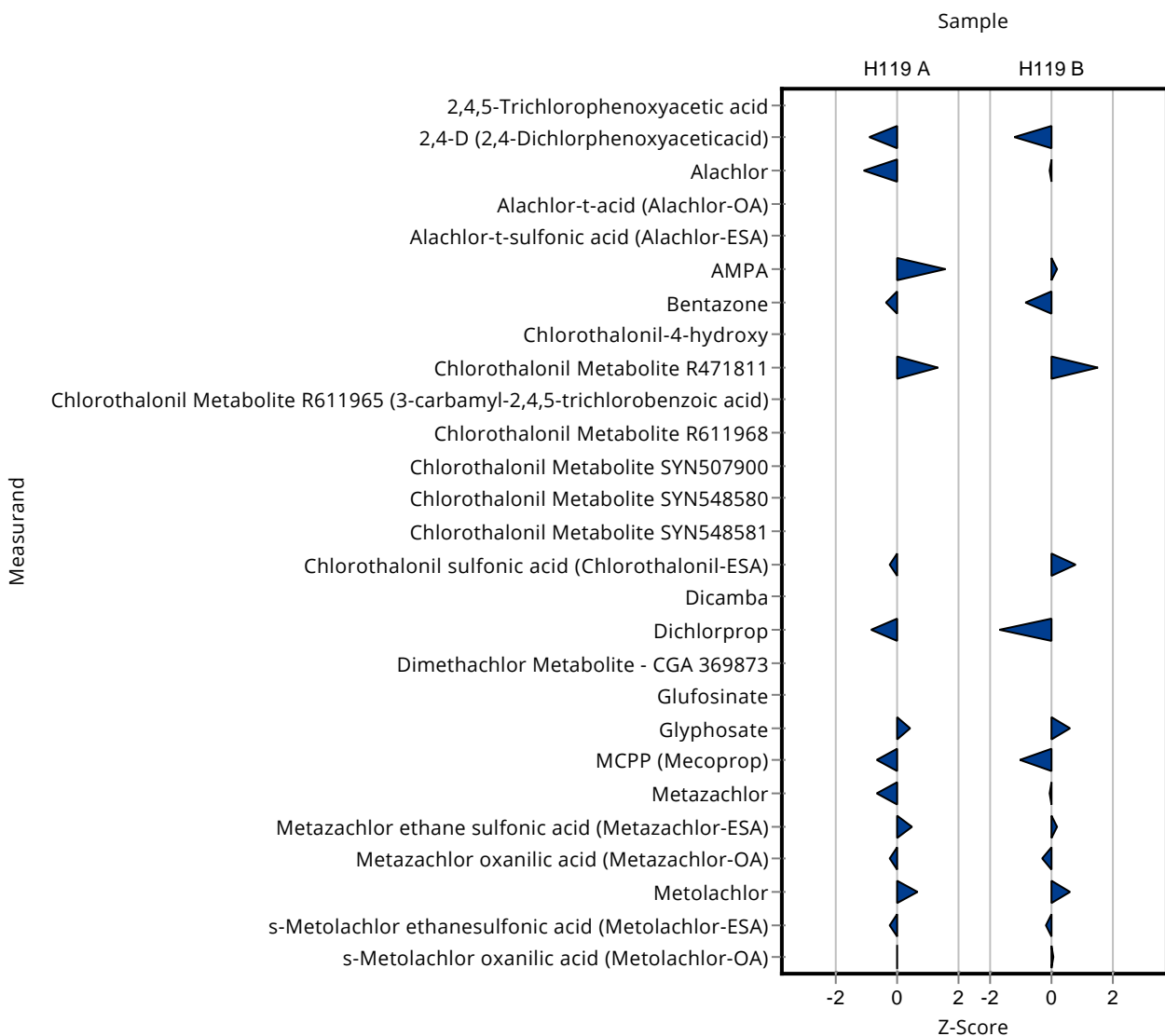
Labcode: LC0013

| Parameter | Unit | Assigned value ± U (k=2) | Result ± U | Criterion | Recovery [%] | z-Score |
|---|------|--------------------------|-----------------|-----------|--------------|---------|
| Metolachlor | µg/l | 0.123 ± 0.0045 | 0.1353 ± 0.0162 | 0.0185 | 110 | 0.66 |
| s-Metolachlor ethanesulfonic acid (Metolachlor-ESA) | µg/l | 0.333 ± 0.0193 | 0.3187 ± 0.0684 | 0.0666 | 95.6 | -0.22 |
| s-Metolachlor oxanilic acid (Metolachlor-OA) | µg/l | 0.573 ± 0.0171 | 0.5729 ± 0.1169 | 0.0802 | 99.9 | 0.00 |

Sample: H119B

| Parameter | Unit | Assigned value ± U (k=2) | Result ± U | Criterion | Recovery [%] | z-Score |
|--|------|--------------------------|-----------------|-----------|--------------|---------|
| 2,4,5-Trichlorophenoxyacetic acid | µg/l | - ± - | 0.24 ± 0.0192 | - | - | - |
| 2,4-D (2,4-Dichlorphenoxyacetic acid) | µg/l | 0.312 ± 0.0206 | 0.26 ± 0.0299 | 0.0437 | 83.4 | -1.19 |
| Alachlor | µg/l | 0.287 ± 0.0139 | 0.286 ± 0.0457 | 0.0345 | 99.5 | -0.04 |
| Alachlor-t-acid (Alachlor-OA) | µg/l | - ± - | 0.7172 ± 0.0959 | - | - | - |
| Alachlor-t-sulfonic acid (Alachlor-ESA) | µg/l | - ± - | 0.3407 ± 0.0493 | - | - | - |
| AMPA | µg/l | 0.308 ± 0.0129 | 0.315 ± 0.0441 | 0.04 | 102 | 0.18 |
| Bentazone | µg/l | 0.449 ± 0.0346 | 0.394 ± 0.0414 | 0.0674 | 87.7 | -0.82 |
| Chlorothalonil-4-hydroxy | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite R471811 | µg/l | 0.637 ± 0.0559 | 0.7453 ± 0.0745 | 0.0701 | 117 | 1.55 |
| Chlorothalonil Metabolite R611965 (3-carbamyl-2,4,5-trichlorobenzoic acid) | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite R611968 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite SYN507900 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite SYN548580 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite SYN548581 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil sulfonic acid (Chlorothalonil-ESA) | µg/l | 0.224 ± 0.018 | 0.2437 ± 0.0986 | 0.0246 | 109 | 0.81 |
| Dicamba | µg/l | - ± - | - ± - | - | - | - |
| Dichlorprop | µg/l | 0.615 ± 0.0303 | 0.491 ± 0.0418 | 0.0737 | 79.9 | -1.67 |
| Dimethachlor Metabolite - CGA 369873 | µg/l | - ± - | - ± - | - | - | - |

| Parameter | Unit | Assigned value ± U (k=2) | Result ± U | Criterion Recovery [%] | z-Score |
|---|------|--------------------------|-----------------|------------------------|---------|
| Glufosinate | µg/l | - ± - | - ± - | - | - |
| Glyphosate | µg/l | 0.517 ± 0.0538 | 0.58 ± 0.0754 | 0.103 | 112 |
| MCPP (Mecoprop) | µg/l | 0.315 ± 0.0145 | 0.274 ± 0.037 | 0.041 | 87 |
| Metazachlor | µg/l | 0.413 ± 0.00694 | 0.4097 ± 0.0737 | 0.0495 | 99.2 |
| Metazachlor ethane sulfonic acid (Metazachlor-ESA) | µg/l | 0.13 ± 0.0077 | 0.1353 ± 0.0269 | 0.0248 | 104 |
| Metazachlor oxanilic acid (Metazachlor-OA) | µg/l | 0.14 ± 0.0186 | 0.1319 ± 0.0462 | 0.0295 | 94 |
| Metolachlor | µg/l | 0.378 ± 0.0128 | 0.4112 ± 0.0452 | 0.0567 | 109 |
| s-Metolachlor ethanesulfonic acid (Metolachlor-ESA) | µg/l | 0.222 ± 0.0102 | 0.2133 ± 0.0383 | 0.0443 | 96.3 |
| s-Metolachlor oxanilic acid (Metolachlor-OA) | µg/l | 0.314 ± 0.0144 | 0.3169 ± 0.0617 | 0.0439 | 101 |



Sample: H119A

| Parameter | Unit | Assigned value ± U (k=2) | Result ± U | Criterion | Recovery [%] | En-Score |
|--|------|--------------------------|-----------------|-----------|--------------|----------|
| 2,4,5-Trichlorophenoxyacetic acid | µg/l | - ± - | 0.2538 ± 0.0203 | - | - | - |
| 2,4-D (2,4-Dichlorphenoxyaceticacid) | µg/l | 0.317 ± 0.0271 | 0.2776 ± 0.0264 | 0.0444 | 87.6 | -0.66 |
| Alachlor | µg/l | 0.297 ± 0.0282 | 0.258 ± 0.04902 | 0.0356 | 87 | -0.38 |
| Alachlor-t-acid (Alachlor-OA) | µg/l | - ± - | 0.1901 ± 0.034 | - | - | - |
| Alachlor-t-sulfonic acid (Alachlor-ESA) | µg/l | - ± - | 0.1174 ± 0.0234 | - | - | - |
| AMPA | µg/l | 0.622 ± 0.0447 | 0.75 ± 0.135 | 0.0808 | 121 | 0.47 |
| Bentazone | µg/l | 0.216 ± 0.0126 | 0.2037 ± 0.0122 | 0.0323 | 94.5 | -0.43 |
| Chlorothalonil-4-hydroxy | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite R471811 | µg/l | 0.479 ± 0.0341 | 0.542 ± 0.0542 | 0.0479 | 113 | 0.55 |
| Chlorothalonil Metabolite R611965 (3-carbamyl-2,4,5-trichlorobenzoic acid) | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite R611968 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite SYN507900 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite SYN548580 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite SYN548581 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil sulfonic acid (Chlorothalonil-ESA) | µg/l | 0.447 ± 0.032 | 0.437 ± 0.1794 | 0.0447 | 97.7 | -0.03 |
| Dicamba | µg/l | - ± - | - ± - | - | - | - |
| Dichlorprop | µg/l | 0.361 ± 0.0153 | 0.325 ± 0.0228 | 0.0433 | 90.1 | -0.74 |
| Dimethachlor Metabolite - CGA 369873 | µg/l | - ± - | - ± - | - | - | - |

Summary of results Pesticides H119 - En-Score

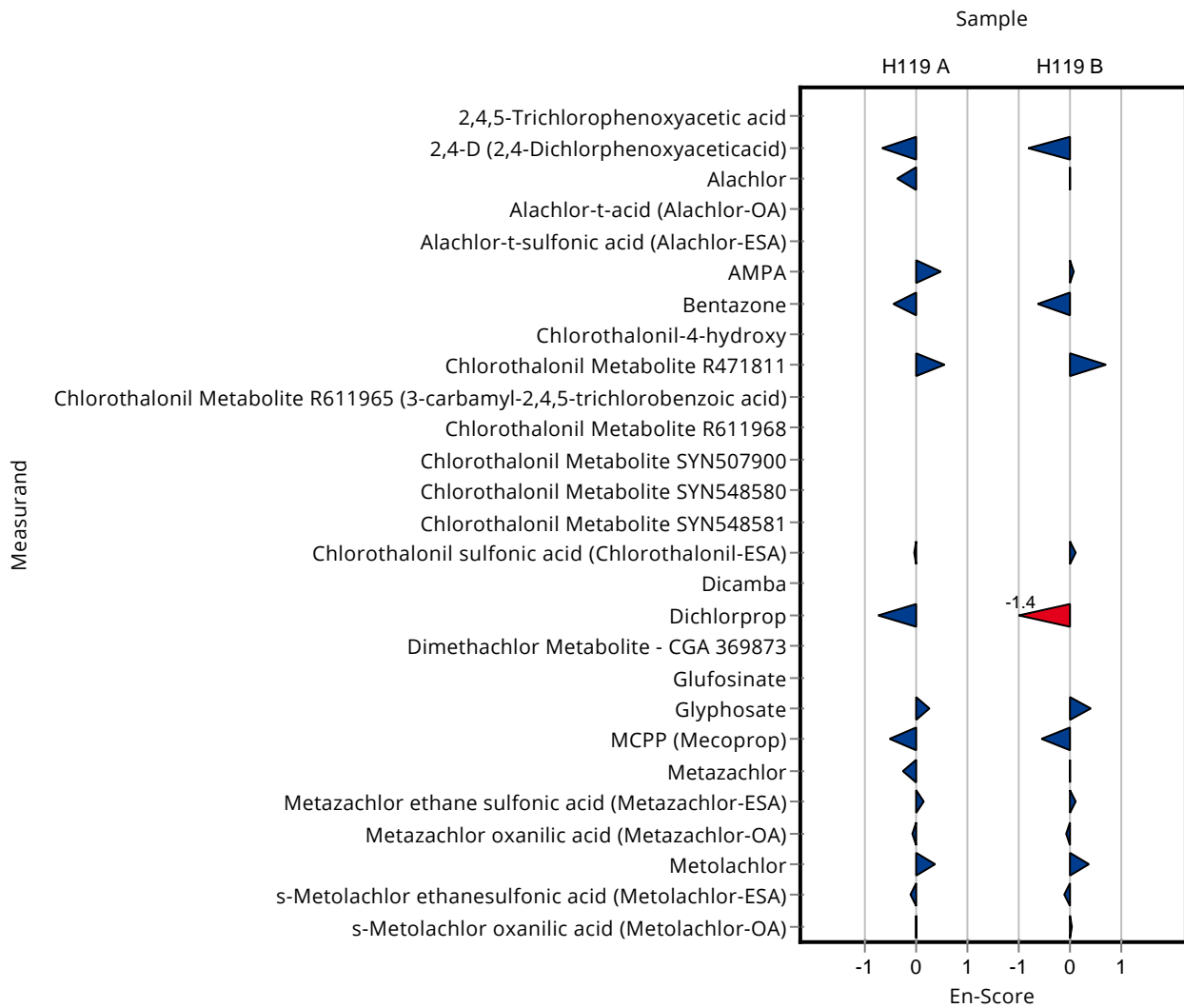
Labcode: LC0013

| Parameter | Unit | Assigned value ± U (k=2) | Result ± U | Criterion | Recovery [%] | En-Score |
|---|------|--------------------------|-----------------|-----------|--------------|----------|
| Glufosinate | µg/l | - ± - | - ± - | - | - | - |
| Glyphosate | µg/l | 0.219 ± 0.0216 | 0.237 ± 0.035 | 0.0438 | 108 | 0.25 |
| MCPP (Mecoprop) | µg/l | 0.189 ± 0.006 | 0.1715 ± 0.0163 | 0.0245 | 91 | -0.51 |
| Metazachlor | µg/l | 0.201 ± 0.00507 | 0.1848 ± 0.0314 | 0.0242 | 91.8 | -0.26 |
| Metazachlor ethane sulfonic acid (Metazachlor-ESA) | µg/l | 0.298 ± 0.0233 | 0.325 ± 0.0805 | 0.0567 | 109 | 0.16 |
| Metazachlor oxanilic acid (Metazachlor-OA) | µg/l | 0.345 ± 0.0304 | 0.3265 ± 0.1125 | 0.0725 | 94.6 | -0.08 |
| Metolachlor | µg/l | 0.123 ± 0.0045 | 0.1353 ± 0.0162 | 0.0185 | 110 | 0.37 |
| s-Metolachlor ethanesulfonic acid (Metolachlor-ESA) | µg/l | 0.333 ± 0.0193 | 0.3187 ± 0.0684 | 0.0666 | 95.6 | -0.11 |
| s-Metolachlor oxanilic acid (Metolachlor-OA) | µg/l | 0.573 ± 0.0171 | 0.5729 ± 0.1169 | 0.0802 | 99.9 | 0.00 |

Sample: H119B

| Parameter | Unit | Assigned value ± U (k=2) | Result ± U | Criterion | Recovery [%] | En-Score |
|---|------|--------------------------|-----------------|-----------|--------------|----------|
| 2,4,5-Trichlorophenoxyacetic acid | µg/l | - ± - | 0.24 ± 0.0192 | - | - | - |
| 2,4-D (2,4-Dichlorophenoxyacetic acid) | µg/l | 0.312 ± 0.0206 | 0.26 ± 0.0299 | 0.0437 | 83.4 | -0.82 |
| Alachlor | µg/l | 0.287 ± 0.0139 | 0.286 ± 0.0457 | 0.0345 | 99.5 | -0.02 |
| Alachlor-t-acid (Alachlor-OA) | µg/l | - ± - | 0.7172 ± 0.0959 | - | - | - |
| Alachlor-t-sulfonic acid (Alachlor-ESA) | µg/l | - ± - | 0.3407 ± 0.0493 | - | - | - |
| AMPA | µg/l | 0.308 ± 0.0129 | 0.315 ± 0.0441 | 0.04 | 102 | 0.08 |
| Bentazone | µg/l | 0.449 ± 0.0346 | 0.394 ± 0.0414 | 0.0674 | 87.7 | -0.62 |
| Chlorothalonil-4-hydroxy | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite R471811 | µg/l | 0.637 ± 0.0559 | 0.7453 ± 0.0745 | 0.0701 | 117 | 0.68 |

| Parameter | Unit | Assigned value ± U (k=2) | Result ± U | Criterion Recovery [%] | En-Score | |
|--|------|--------------------------|-----------------|------------------------|----------|-------|
| Chlorothalonil Metabolite R611965 (3-carbamyl-2,4,5-trichlorobenzoic acid) | µg/l | - ± - | - ± - | - | - | |
| Chlorothalonil Metabolite R611968 | µg/l | - ± - | - ± - | - | - | |
| Chlorothalonil Metabolite SYN507900 | µg/l | - ± - | - ± - | - | - | |
| Chlorothalonil Metabolite SYN548580 | µg/l | - ± - | - ± - | - | - | |
| Chlorothalonil Metabolite SYN548581 | µg/l | - ± - | - ± - | - | - | |
| Chlorothalonil sulfonic acid (Chlorothalonil-ESA) | µg/l | 0.224 ± 0.018 | 0.2437 ± 0.0986 | 0.0246 | 109 | 0.10 |
| Dicamba | µg/l | - ± - | - ± - | - | - | |
| Dichlorprop | µg/l | 0.615 ± 0.0303 | 0.491 ± 0.0418 | 0.0737 | 79.9 | -1.39 |
| Dimethachlor Metabolite - CGA 369873 | µg/l | - ± - | - ± - | - | - | |
| Glufosinate | µg/l | - ± - | - ± - | - | - | |
| Glyphosate | µg/l | 0.517 ± 0.0538 | 0.58 ± 0.0754 | 0.103 | 112 | 0.39 |
| MCPP (Mecoprop) | µg/l | 0.315 ± 0.0145 | 0.274 ± 0.037 | 0.041 | 87 | -0.54 |
| Metazachlor | µg/l | 0.413 ± 0.00694 | 0.4097 ± 0.0737 | 0.0495 | 99.2 | -0.02 |
| Metazachlor ethane sulfonic acid (Metazachlor-ESA) | µg/l | 0.13 ± 0.0077 | 0.1353 ± 0.0269 | 0.0248 | 104 | 0.09 |
| Metazachlor oxanilic acid (Metazachlor-OA) | µg/l | 0.14 ± 0.0186 | 0.1319 ± 0.0462 | 0.0295 | 94 | -0.09 |
| Metolachlor | µg/l | 0.378 ± 0.0128 | 0.4112 ± 0.0452 | 0.0567 | 109 | 0.37 |
| s-Metolachlor ethanesulfonic acid (Metolachlor-ESA) | µg/l | 0.222 ± 0.0102 | 0.2133 ± 0.0383 | 0.0443 | 96.3 | -0.11 |
| s-Metolachlor oxanilic acid (Metolachlor-OA) | µg/l | 0.314 ± 0.0144 | 0.3169 ± 0.0617 | 0.0439 | 101 | 0.03 |



Sample: H119A

| Parameter | Unit | Assigned value ± U (k=2) | Result ± U | Criterion | Recovery [%] | z-Score |
|--|------|--------------------------|----------------|-----------|--------------|---------|
| 2,4,5-Trichlorophenoxyacetic acid | µg/l | - ± - | - ± - | - | - | - |
| 2,4-D (2,4-Dichlorphenoxyaceticacid) | µg/l | 0.317 ± 0.0271 | - ± - | 0.0444 | - | - |
| Alachlor | µg/l | 0.297 ± 0.0282 | - ± - | 0.0356 | - | - |
| Alachlor-t-acid (Alachlor-OA) | µg/l | - ± - | - ± - | - | - | - |
| Alachlor-t-sulfonic acid (Alachlor-ESA) | µg/l | - ± - | 0.174 ± 0.0522 | - | - | - |
| AMPA | µg/l | 0.622 ± 0.0447 | - ± - | 0.0808 | - | - |
| Bentazone | µg/l | 0.216 ± 0.0126 | 0.209 ± 0.0627 | 0.0323 | 97 | -0.20 |
| Chlorothalonil-4-hydroxy | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite R471811 | µg/l | 0.479 ± 0.0341 | 0.464 ± 0.1392 | 0.0479 | 96.8 | -0.32 |
| Chlorothalonil Metabolite R611965 (3-carbamyl-2,4,5-trichlorobenzoic acid) | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite R611968 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite SYN507900 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite SYN548580 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite SYN548581 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil sulfonic acid (Chlorothalonil-ESA) | µg/l | 0.447 ± 0.032 | 0.375 ± 0.1125 | 0.0447 | 83.8 | -1.62 |
| Dicamba | µg/l | - ± - | - ± - | - | - | - |
| Dichlorprop | µg/l | 0.361 ± 0.0153 | - ± - | 0.0433 | - | - |
| Dimethachlor Metabolite - CGA 369873 | µg/l | - ± - | 0.438 ± 0.1314 | - | - | - |
| Glufosinate | µg/l | - ± - | - ± - | - | - | - |
| Glyphosate | µg/l | 0.219 ± 0.0216 | - ± - | 0.0438 | - | - |
| MCPP (Mecoprop) | µg/l | 0.189 ± 0.006 | 0.195 ± 0.0585 | 0.0245 | 103 | 0.26 |
| Metazachlor | µg/l | 0.201 ± 0.00507 | - ± - | 0.0242 | - | - |
| Metazachlor ethane sulfonic acid (Metazachlor-ESA) | µg/l | 0.298 ± 0.0233 | 0.244 ± 0.0732 | 0.0567 | 81.8 | -0.96 |
| Metazachlor oxanilic acid (Metazachlor-OA) | µg/l | 0.345 ± 0.0304 | 0.296 ± 0.0888 | 0.0725 | 85.8 | -0.68 |

Summary of results Pesticides H119

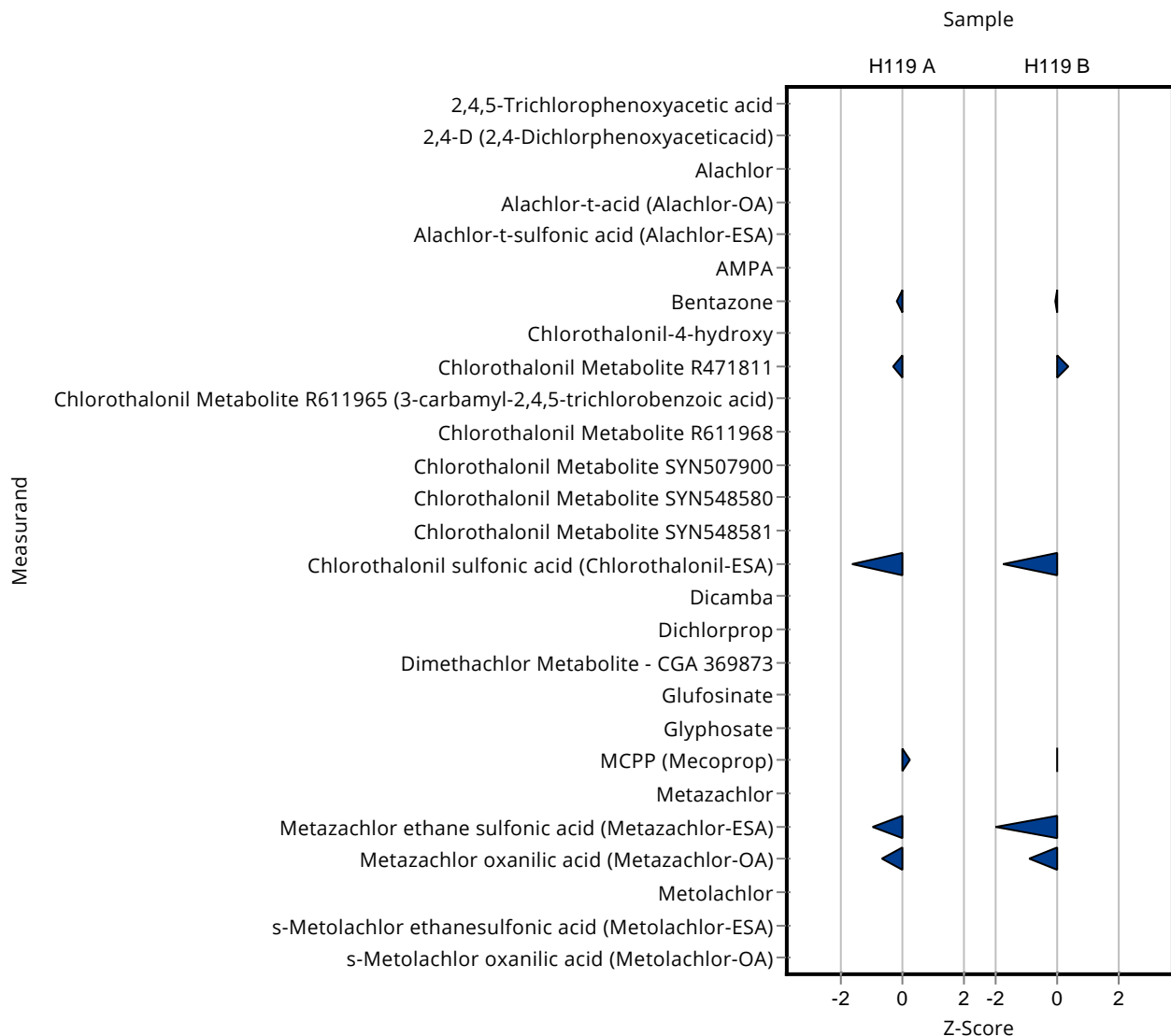
Labcode: LC0014

| Parameter | Unit | Assigned value ± U (k=2) | Result ± U | Criterion | Recovery [%] | z-Score |
|---|------|--------------------------|------------|-----------|--------------|---------|
| Metolachlor | µg/l | 0.123 ± 0.0045 | - ± - | 0.0185 | - | - |
| s-Metolachlor ethanesulfonic acid (Metolachlor-ESA) | µg/l | 0.333 ± 0.0193 | - ± - | 0.0666 | - | - |
| s-Metolachlor oxanilic acid (Metolachlor-OA) | µg/l | 0.573 ± 0.0171 | - ± - | 0.0802 | - | - |

Sample: H119B

| Parameter | Unit | Assigned value ± U (k=2) | Result ± U | Criterion | Recovery [%] | z-Score |
|--|------|--------------------------|----------------|-----------|--------------|---------|
| 2,4,5-Trichlorophenoxyacetic acid | µg/l | - ± - | - ± - | - | - | - |
| 2,4-D (2,4-Dichlorphenoxyacetic acid) | µg/l | 0.312 ± 0.0206 | - ± - | 0.0437 | - | - |
| Alachlor | µg/l | 0.287 ± 0.0139 | - ± - | 0.0345 | - | - |
| Alachlor-t-acid (Alachlor-OA) | µg/l | - ± - | - ± - | - | - | - |
| Alachlor-t-sulfonic acid (Alachlor-ESA) | µg/l | - ± - | 0.536 ± 0.1608 | - | - | - |
| AMPA | µg/l | 0.308 ± 0.0129 | - ± - | 0.04 | - | - |
| Bentazone | µg/l | 0.449 ± 0.0346 | 0.446 ± 0.1338 | 0.0674 | 99.3 | -0.05 |
| Chlorothalonil-4-hydroxy | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite R471811 | µg/l | 0.637 ± 0.0559 | 0.661 ± 0.1983 | 0.0701 | 104 | 0.34 |
| Chlorothalonil Metabolite R611965 (3-carbamyl-2,4,5-trichlorobenzoic acid) | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite R611968 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite SYN507900 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite SYN548580 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite SYN548581 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil sulfonic acid (Chlorothalonil-ESA) | µg/l | 0.224 ± 0.018 | 0.181 ± 0.0543 | 0.0246 | 80.9 | -1.74 |
| Dicamba | µg/l | - ± - | - ± - | - | - | - |
| Dichlorprop | µg/l | 0.615 ± 0.0303 | - ± - | 0.0737 | - | - |
| Dimethachlor Metabolite - CGA 369873 | µg/l | - ± - | 0.441 ± 0.1323 | - | - | - |

| Parameter | Unit | Assigned value ± U (k=2) | Result ± U | Criterion Recovery [%] | z-Score |
|---|------|--------------------------|----------------|------------------------|---------|
| Glufosinate | µg/l | - ± - | - ± - | - | - |
| Glyphosate | µg/l | 0.517 ± 0.0538 | - ± - | 0.103 | - |
| MCPP (Mecoprop) | µg/l | 0.315 ± 0.0145 | 0.316 ± 0.0948 | 0.041 | 100 |
| Metazachlor | µg/l | 0.413 ± 0.00694 | - ± - | 0.0495 | - |
| Metazachlor ethane sulfonic acid (Metazachlor-ESA) | µg/l | 0.13 ± 0.0077 | 0.081 ± 0.0243 | 0.0248 | 62.2 |
| Metazachlor oxanilic acid (Metazachlor-OA) | µg/l | 0.14 ± 0.0186 | 0.113 ± 0.0339 | 0.0295 | 80.5 |
| Metolachlor | µg/l | 0.378 ± 0.0128 | - ± - | 0.0567 | - |
| s-Metolachlor ethanesulfonic acid (Metolachlor-ESA) | µg/l | 0.222 ± 0.0102 | - ± - | 0.0443 | - |
| s-Metolachlor oxanilic acid (Metolachlor-OA) | µg/l | 0.314 ± 0.0144 | - ± - | 0.0439 | - |



Sample: H119A

| Parameter | Unit | Assigned value ± U (k=2) | Result ± U | Criterion | Recovery [%] | En-Score |
|--|------|--------------------------|----------------|-----------|--------------|----------|
| 2,4,5-Trichlorophenoxyacetic acid | µg/l | - ± - | - ± - | - | - | - |
| 2,4-D (2,4-Dichlorphenoxyaceticacid) | µg/l | 0.317 ± 0.0271 | - ± - | 0.0444 | - | - |
| Alachlor | µg/l | 0.297 ± 0.0282 | - ± - | 0.0356 | - | - |
| Alachlor-t-acid (Alachlor-OA) | µg/l | - ± - | - ± - | - | - | - |
| Alachlor-t-sulfonic acid (Alachlor-ESA) | µg/l | - ± - | 0.174 ± 0.0522 | - | - | - |
| AMPA | µg/l | 0.622 ± 0.0447 | - ± - | 0.0808 | - | - |
| Bentazone | µg/l | 0.216 ± 0.0126 | 0.209 ± 0.0627 | 0.0323 | 97 | -0.05 |
| Chlorothalonil-4-hydroxy | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite R471811 | µg/l | 0.479 ± 0.0341 | 0.464 ± 0.1392 | 0.0479 | 96.8 | -0.05 |
| Chlorothalonil Metabolite R611965 (3-carbamyl-2,4,5-trichlorobenzoic acid) | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite R611968 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite SYN507900 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite SYN548580 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite SYN548581 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil sulfonic acid (Chlorothalonil-ESA) | µg/l | 0.447 ± 0.032 | 0.375 ± 0.1125 | 0.0447 | 83.8 | -0.32 |
| Dicamba | µg/l | - ± - | - ± - | - | - | - |
| Dichlorprop | µg/l | 0.361 ± 0.0153 | - ± - | 0.0433 | - | - |
| Dimethachlor Metabolite - CGA 369873 | µg/l | - ± - | 0.438 ± 0.1314 | - | - | - |

Summary of results Pesticides H119 - En-Score

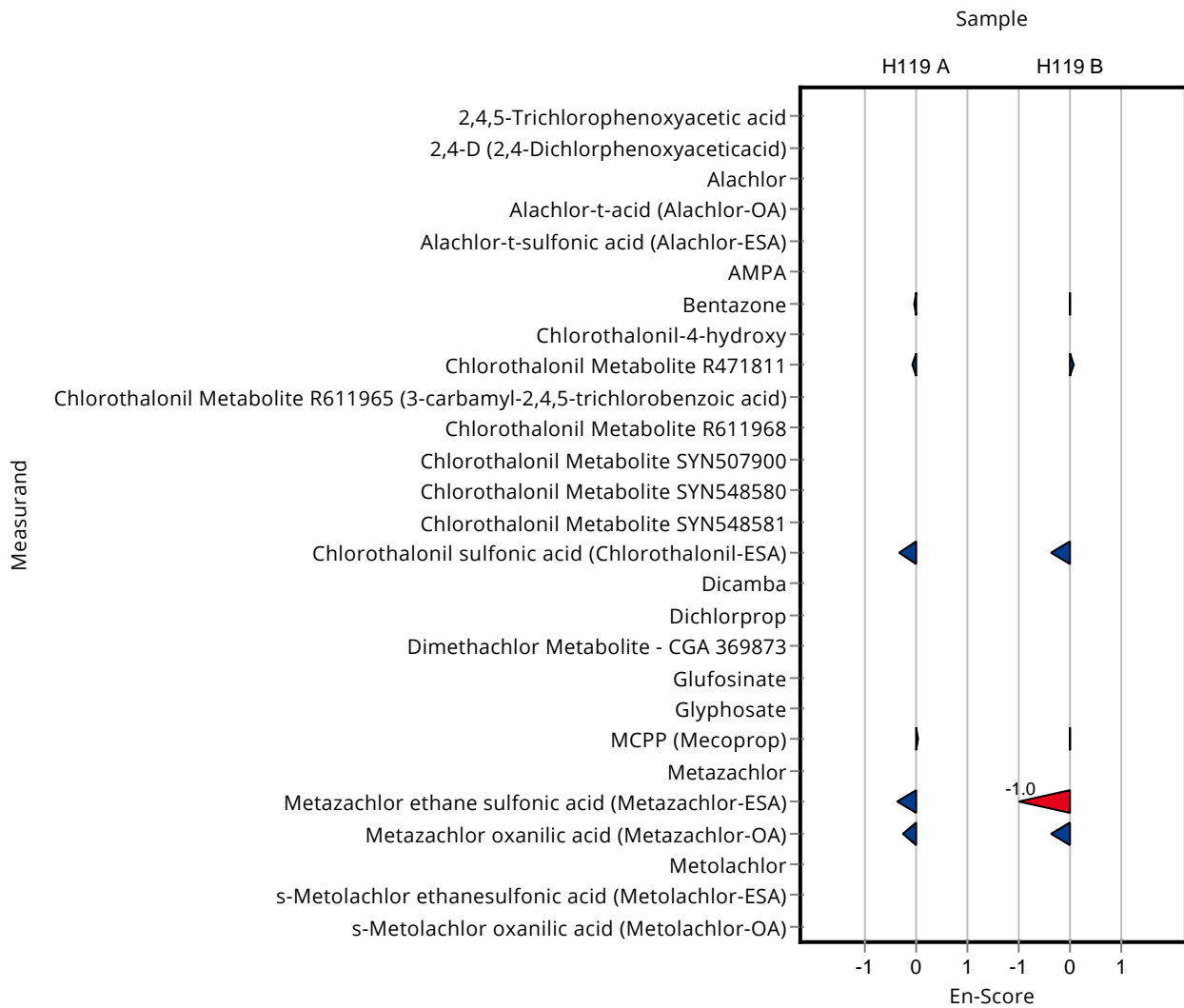
Labcode: LC0014

| Parameter | Unit | Assigned value ± U (k=2) | Result ± U | Criterion | Recovery [%] | En-Score |
|---|------|--------------------------|----------------|-----------|--------------|----------|
| Glufosinate | µg/l | - ± - | - ± - | - | - | - |
| Glyphosate | µg/l | 0.219 ± 0.0216 | - ± - | 0.0438 | - | - |
| MCPP (Mecoprop) | µg/l | 0.189 ± 0.006 | 0.195 ± 0.0585 | 0.0245 | 103 | 0.06 |
| Metazachlor | µg/l | 0.201 ± 0.00507 | - ± - | 0.0242 | - | - |
| Metazachlor ethane sulfonic acid (Metazachlor-ESA) | µg/l | 0.298 ± 0.0233 | 0.244 ± 0.0732 | 0.0567 | 81.8 | -0.37 |
| Metazachlor oxanilic acid (Metazachlor-OA) | µg/l | 0.345 ± 0.0304 | 0.296 ± 0.0888 | 0.0725 | 85.8 | -0.27 |
| Metolachlor | µg/l | 0.123 ± 0.0045 | - ± - | 0.0185 | - | - |
| s-Metolachlor ethanesulfonic acid (Metolachlor-ESA) | µg/l | 0.333 ± 0.0193 | - ± - | 0.0666 | - | - |
| s-Metolachlor oxanilic acid (Metolachlor-OA) | µg/l | 0.573 ± 0.0171 | - ± - | 0.0802 | - | - |

Sample: H119B

| Parameter | Unit | Assigned value ± U (k=2) | Result ± U | Criterion | Recovery [%] | En-Score |
|---|------|--------------------------|----------------|-----------|--------------|----------|
| 2,4,5-Trichlorophenoxyacetic acid | µg/l | - ± - | - ± - | - | - | - |
| 2,4-D (2,4-Dichlorophenoxyacetic acid) | µg/l | 0.312 ± 0.0206 | - ± - | 0.0437 | - | - |
| Alachlor | µg/l | 0.287 ± 0.0139 | - ± - | 0.0345 | - | - |
| Alachlor-t-acid (Alachlor-OA) | µg/l | - ± - | - ± - | - | - | - |
| Alachlor-t-sulfonic acid (Alachlor-ESA) | µg/l | - ± - | 0.536 ± 0.1608 | - | - | - |
| AMPA | µg/l | 0.308 ± 0.0129 | - ± - | 0.04 | - | - |
| Bentazone | µg/l | 0.449 ± 0.0346 | 0.446 ± 0.1338 | 0.0674 | 99.3 | -0.01 |
| Chlorothalonil-4-hydroxy | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite R471811 | µg/l | 0.637 ± 0.0559 | 0.661 ± 0.1983 | 0.0701 | 104 | 0.06 |

| Parameter | Unit | Assigned value ± U (k=2) | Result ± U | Criterion Recovery [%] | En-Score | |
|--|------|--------------------------|----------------|------------------------|----------|-------|
| Chlorothalonil Metabolite R611965 (3-carbamyl-2,4,5-trichlorobenzoic acid) | µg/l | - ± - | - ± - | - | - | |
| Chlorothalonil Metabolite R611968 | µg/l | - ± - | - ± - | - | - | |
| Chlorothalonil Metabolite SYN507900 | µg/l | - ± - | - ± - | - | - | |
| Chlorothalonil Metabolite SYN548580 | µg/l | - ± - | - ± - | - | - | |
| Chlorothalonil Metabolite SYN548581 | µg/l | - ± - | - ± - | - | - | |
| Chlorothalonil sulfonic acid (Chlorothalonil-ESA) | µg/l | 0.224 ± 0.018 | 0.181 ± 0.0543 | 0.0246 | 80.9 | -0.39 |
| Dicamba | µg/l | - ± - | - ± - | - | - | |
| Dichlorprop | µg/l | 0.615 ± 0.0303 | - ± - | 0.0737 | - | |
| Dimethachlor Metabolite - CGA 369873 | µg/l | - ± - | 0.441 ± 0.1323 | - | - | |
| Glufosinate | µg/l | - ± - | - ± - | - | - | |
| Glyphosate | µg/l | 0.517 ± 0.0538 | - ± - | 0.103 | - | |
| MCPP (Mecoprop) | µg/l | 0.315 ± 0.0145 | 0.316 ± 0.0948 | 0.041 | 100 | 0.00 |
| Metazachlor | µg/l | 0.413 ± 0.00694 | - ± - | 0.0495 | - | |
| Metazachlor ethane sulfonic acid (Metazachlor-ESA) | µg/l | 0.13 ± 0.0077 | 0.081 ± 0.0243 | 0.0248 | 62.2 | -1.00 |
| Metazachlor oxanilic acid (Metazachlor-OA) | µg/l | 0.14 ± 0.0186 | 0.113 ± 0.0339 | 0.0295 | 80.5 | -0.39 |
| Metolachlor | µg/l | 0.378 ± 0.0128 | - ± - | 0.0567 | - | |
| s-Metolachlor ethanesulfonic acid (Metolachlor-ESA) | µg/l | 0.222 ± 0.0102 | - ± - | 0.0443 | - | |
| s-Metolachlor oxanilic acid (Metolachlor-OA) | µg/l | 0.314 ± 0.0144 | - ± - | 0.0439 | - | |



Sample: H119A

| Parameter | Unit | Assigned value ± U (k=2) | Result ± U | Criterion | Recovery [%] | z-Score |
|--|------|--------------------------|------------|-----------|--------------|---------|
| 2,4,5-Trichlorophenoxyacetic acid | µg/l | - ± - | - ± - | - | - | - |
| 2,4-D (2,4-Dichlorphenoxyaceticacid) | µg/l | 0.317 ± 0.0271 | - ± - | 0.0444 | - | - |
| Alachlor | µg/l | 0.297 ± 0.0282 | - ± - | 0.0356 | - | - |
| Alachlor-t-acid (Alachlor-OA) | µg/l | - ± - | - ± - | - | - | - |
| Alachlor-t-sulfonic acid (Alachlor-ESA) | µg/l | - ± - | - ± - | - | - | - |
| AMPA | µg/l | 0.622 ± 0.0447 | - ± - | 0.0808 | - | - |
| Bentazone | µg/l | 0.216 ± 0.0126 | - ± - | 0.0323 | - | - |
| Chlorothalonil-4-hydroxy | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite R471811 | µg/l | 0.479 ± 0.0341 | - ± - | 0.0479 | - | - |
| Chlorothalonil Metabolite R611965 (3-carbamyl-2,4,5-trichlorobenzoic acid) | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite R611968 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite SYN507900 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite SYN548580 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite SYN548581 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil sulfonic acid (Chlorothalonil-ESA) | µg/l | 0.447 ± 0.032 | - ± - | 0.0447 | - | - |
| Dicamba | µg/l | - ± - | - ± - | - | - | - |
| Dichlorprop | µg/l | 0.361 ± 0.0153 | - ± - | 0.0433 | - | - |
| Dimethachlor Metabolite - CGA 369873 | µg/l | - ± - | - ± - | - | - | - |
| Glufosinate | µg/l | - ± - | - ± - | - | - | - |
| Glyphosate | µg/l | 0.219 ± 0.0216 | - ± - | 0.0438 | - | - |
| MCPP (Mecoprop) | µg/l | 0.189 ± 0.006 | - ± - | 0.0245 | - | - |
| Metazachlor | µg/l | 0.201 ± 0.00507 | - ± - | 0.0242 | - | - |
| Metazachlor ethane sulfonic acid (Metazachlor-ESA) | µg/l | 0.298 ± 0.0233 | - ± - | 0.0567 | - | - |
| Metazachlor oxanilic acid (Metazachlor-OA) | µg/l | 0.345 ± 0.0304 | - ± - | 0.0725 | - | - |

| Parameter | Unit | Assigned value ± U (k=2) | Result ± U | Criterion | Recovery [%] | z-Score |
|---|------|--------------------------|------------|-----------|--------------|---------|
| Metolachlor | µg/l | 0.123 ± 0.0045 | - ± - | 0.0185 | - | - |
| s-Metolachlor ethanesulfonic acid (Metolachlor-ESA) | µg/l | 0.333 ± 0.0193 | - ± - | 0.0666 | - | - |
| s-Metolachlor oxanilic acid (Metolachlor-OA) | µg/l | 0.573 ± 0.0171 | - ± - | 0.0802 | - | - |

Sample: H119B

| Parameter | Unit | Assigned value ± U (k=2) | Result ± U | Criterion | Recovery [%] | z-Score |
|--|------|--------------------------|------------|-----------|--------------|---------|
| 2,4,5-Trichlorophenoxyacetic acid | µg/l | - ± - | - ± - | - | - | - |
| 2,4-D (2,4-Dichlorophenoxyacetic acid) | µg/l | 0.312 ± 0.0206 | - ± - | 0.0437 | - | - |
| Alachlor | µg/l | 0.287 ± 0.0139 | - ± - | 0.0345 | - | - |
| Alachlor-t-acid (Alachlor-OA) | µg/l | - ± - | - ± - | - | - | - |
| Alachlor-t-sulfonic acid (Alachlor-ESA) | µg/l | - ± - | - ± - | - | - | - |
| AMPA | µg/l | 0.308 ± 0.0129 | - ± - | 0.04 | - | - |
| Bentazone | µg/l | 0.449 ± 0.0346 | - ± - | 0.0674 | - | - |
| Chlorothalonil-4-hydroxy | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite R471811 | µg/l | 0.637 ± 0.0559 | - ± - | 0.0701 | - | - |
| Chlorothalonil Metabolite R611965 (3-carbamyl-2,4,5-trichlorobenzoic acid) | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite R611968 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite SYN507900 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite SYN548580 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite SYN548581 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil sulfonic acid (Chlorothalonil-ESA) | µg/l | 0.224 ± 0.018 | - ± - | 0.0246 | - | - |
| Dicamba | µg/l | - ± - | - ± - | - | - | - |
| Dichlorprop | µg/l | 0.615 ± 0.0303 | - ± - | 0.0737 | - | - |
| Dimethachlor Metabolite - CGA 369873 | µg/l | - ± - | - ± - | - | - | - |

| Parameter | Unit | Assigned value ± U (k=2) | Result ± U | Criterion Recovery [%] | z-Score |
|---|------|--------------------------|------------|------------------------|---------|
| Glufosinate | µg/l | - ± - | - ± - | - | - |
| Glyphosate | µg/l | 0.517 ± 0.0538 | - ± - | 0.103 | - |
| MCPP (Mecoprop) | µg/l | 0.315 ± 0.0145 | - ± - | 0.041 | - |
| Metazachlor | µg/l | 0.413 ± 0.00694 | - ± - | 0.0495 | - |
| Metazachlor ethane sulfonic acid (Metazachlor-ESA) | µg/l | 0.13 ± 0.0077 | - ± - | 0.0248 | - |
| Metazachlor oxanilic acid (Metazachlor-OA) | µg/l | 0.14 ± 0.0186 | - ± - | 0.0295 | - |
| Metolachlor | µg/l | 0.378 ± 0.0128 | - ± - | 0.0567 | - |
| s-Metolachlor ethanesulfonic acid (Metolachlor-ESA) | µg/l | 0.222 ± 0.0102 | - ± - | 0.0443 | - |
| s-Metolachlor oxanilic acid (Metolachlor-OA) | µg/l | 0.314 ± 0.0144 | - ± - | 0.0439 | - |

Sample: H119A

| Parameter | Unit | Assigned value ± U (k=2) | Result ± U | Criterion | Recovery [%] | En-Score |
|--|------|--------------------------|------------|-----------|--------------|----------|
| 2,4,5-Trichlorophenoxyacetic acid | µg/l | - ± - | - ± - | - | - | - |
| 2,4-D (2,4-Dichlorphenoxyaceticacid) | µg/l | 0.317 ± 0.0271 | - ± - | 0.0444 | - | - |
| Alachlor | µg/l | 0.297 ± 0.0282 | - ± - | 0.0356 | - | - |
| Alachlor-t-acid (Alachlor-OA) | µg/l | - ± - | - ± - | - | - | - |
| Alachlor-t-sulfonic acid (Alachlor-ESA) | µg/l | - ± - | - ± - | - | - | - |
| AMPA | µg/l | 0.622 ± 0.0447 | - ± - | 0.0808 | - | - |
| Bentazone | µg/l | 0.216 ± 0.0126 | - ± - | 0.0323 | - | - |
| Chlorothalonil-4-hydroxy | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite R471811 | µg/l | 0.479 ± 0.0341 | - ± - | 0.0479 | - | - |
| Chlorothalonil Metabolite R611965 (3-carbamyl-2,4,5-trichlorobenzoic acid) | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite R611968 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite SYN507900 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite SYN548580 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite SYN548581 | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil sulfonic acid (Chlorothalonil-ESA) | µg/l | 0.447 ± 0.032 | - ± - | 0.0447 | - | - |
| Dicamba | µg/l | - ± - | - ± - | - | - | - |
| Dichlorprop | µg/l | 0.361 ± 0.0153 | - ± - | 0.0433 | - | - |
| Dimethachlor Metabolite - CGA 369873 | µg/l | - ± - | - ± - | - | - | - |

Summary of results Pesticides H119 - En-Score

Labcode: LC0015

| Parameter | Unit | Assigned value ± U (k=2) | Result ± U | Criterion | Recovery [%] | En-Score |
|---|------|--------------------------|------------|-----------|--------------|----------|
| Glufosinate | µg/l | - ± - | - ± - | - | - | - |
| Glyphosate | µg/l | 0.219 ± 0.0216 | - ± - | 0.0438 | - | - |
| MCPPP (Mecoprop) | µg/l | 0.189 ± 0.006 | - ± - | 0.0245 | - | - |
| Metazachlor | µg/l | 0.201 ± 0.00507 | - ± - | 0.0242 | - | - |
| Metazachlor ethane sulfonic acid (Metazachlor-ESA) | µg/l | 0.298 ± 0.0233 | - ± - | 0.0567 | - | - |
| Metazachlor oxanilic acid (Metazachlor-OA) | µg/l | 0.345 ± 0.0304 | - ± - | 0.0725 | - | - |
| Metolachlor | µg/l | 0.123 ± 0.0045 | - ± - | 0.0185 | - | - |
| s-Metolachlor ethanesulfonic acid (Metolachlor-ESA) | µg/l | 0.333 ± 0.0193 | - ± - | 0.0666 | - | - |
| s-Metolachlor oxanilic acid (Metolachlor-OA) | µg/l | 0.573 ± 0.0171 | - ± - | 0.0802 | - | - |

Sample: H119B

| Parameter | Unit | Assigned value ± U (k=2) | Result ± U | Criterion | Recovery [%] | En-Score |
|---|------|--------------------------|------------|-----------|--------------|----------|
| 2,4,5-Trichlorophenoxyacetic acid | µg/l | - ± - | - ± - | - | - | - |
| 2,4-D (2,4-Dichlorophenoxyacetic acid) | µg/l | 0.312 ± 0.0206 | - ± - | 0.0437 | - | - |
| Alachlor | µg/l | 0.287 ± 0.0139 | - ± - | 0.0345 | - | - |
| Alachlor-t-acid (Alachlor-OA) | µg/l | - ± - | - ± - | - | - | - |
| Alachlor-t-sulfonic acid (Alachlor-ESA) | µg/l | - ± - | - ± - | - | - | - |
| AMPA | µg/l | 0.308 ± 0.0129 | - ± - | 0.04 | - | - |
| Bentazone | µg/l | 0.449 ± 0.0346 | - ± - | 0.0674 | - | - |
| Chlorothalonil-4-hydroxy | µg/l | - ± - | - ± - | - | - | - |
| Chlorothalonil Metabolite R471811 | µg/l | 0.637 ± 0.0559 | - ± - | 0.0701 | - | - |

| Parameter | Unit | Assigned value ± U (k=2) | Result ± U | Criterion Recovery [%] | En-Score |
|--|------|--------------------------|------------|------------------------|----------|
| Chlorothalonil Metabolite R611965 (3-carbamyl-2,4,5-trichlorobenzoic acid) | µg/l | - ± - | - ± - | - | - |
| Chlorothalonil Metabolite R611968 | µg/l | - ± - | - ± - | - | - |
| Chlorothalonil Metabolite SYN507900 | µg/l | - ± - | - ± - | - | - |
| Chlorothalonil Metabolite SYN548580 | µg/l | - ± - | - ± - | - | - |
| Chlorothalonil Metabolite SYN548581 | µg/l | - ± - | - ± - | - | - |
| Chlorothalonil sulfonic acid (Chlorothalonil-ESA) | µg/l | 0.224 ± 0.018 | - ± - | 0.0246 | - |
| Dicamba | µg/l | - ± - | - ± - | - | - |
| Dichlorprop | µg/l | 0.615 ± 0.0303 | - ± - | 0.0737 | - |
| Dimethachlor Metabolite - CGA 369873 | µg/l | - ± - | - ± - | - | - |
| Glufosinate | µg/l | - ± - | - ± - | - | - |
| Glyphosate | µg/l | 0.517 ± 0.0538 | - ± - | 0.103 | - |
| MCPP (Mecoprop) | µg/l | 0.315 ± 0.0145 | - ± - | 0.041 | - |
| Metazachlor | µg/l | 0.413 ± 0.00694 | - ± - | 0.0495 | - |
| Metazachlor ethane sulfonic acid (Metazachlor-ESA) | µg/l | 0.13 ± 0.0077 | - ± - | 0.0248 | - |
| Metazachlor oxanilic acid (Metazachlor-OA) | µg/l | 0.14 ± 0.0186 | - ± - | 0.0295 | - |
| Metolachlor | µg/l | 0.378 ± 0.0128 | - ± - | 0.0567 | - |
| s-Metolachlor ethanesulfonic acid (Metolachlor-ESA) | µg/l | 0.222 ± 0.0102 | - ± - | 0.0443 | - |
| s-Metolachlor oxanilic acid (Metolachlor-OA) | µg/l | 0.314 ± 0.0144 | - ± - | 0.0439 | - |

E9. Methodenübersicht / Overview of methods

| LabCode | Sample | Alachlor | Metazachlor | Metolachlor | 2,4-D (2,4-Dichlorphenoxyaceticacid) | Bentazone |
|---------|--------|----------------------------------|----------------------------------|----------------------------------|--------------------------------------|----------------------------------|
| LC0001 | H119A | 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 |
| LC0002 | H119A | 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 |
| LC0003 | H119A | LC-MS/MS direct; DIN 38407-36 | LC-MS/MS direct; DIN 38407-36 | LC-MS/MS direct; DIN 38407-36 | LC-MS/MS; DIN 38407-35 | LC-MS/MS; DIN 38407-35 |
| LC0004 | H119A | | | | | |
| LC0005 | H119A | LC-MS/MS; | LC-MS/MS; | LC-MS/MS; | LC-MS/MS; | LC-MS/MS; |
| LC0006 | H119A | | | | | |
| LC0007 | H119A | | LC-MS/MS direct; | LC-MS/MS direct; | | LC-MS/MS direct; |
| LC0008 | H119A | | | LC-MS/MS direct; DIN 38407-36 | LC-MS/MS; DIN 38407-35 | LC-MS/MS; DIN 38407-35 |
| LC0009 | H119A | LC-MS/MS direct; DIN 38407-36 | LC-MS/MS direct; DIN 38407-36 | LC-MS/MS direct; DIN 38407-36 | LC-MS/MS; DIN 38407-35 | LC-MS/MS; DIN 38407-35 |
| LC0010 | H119A | LC-MS/MS; DIN 38407-35 | LC-MS/MS direct; DIN 38407-36 | LC-MS/MS direct; DIN 38407-36 | LC-MS/MS; DIN 38407-35 | LC-MS/MS; DIN 38407-35 |
| LC0011 | H119A | LC-MS/MS direct; | LC-MS/MS direct; | LC-MS/MS direct; | LC-MS/MS direct; | LC-MS/MS direct; |
| LC0012 | H119A | | 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 | H119A | LC-MS/MS direct; | LC-MS/MS direct; | LC-MS/MS direct; | LC-MS/MS direct; | LC-MS/MS direct; |
| LC0014 | H119A | | | | | LC-MS/MS; |
| LC0015 | H119A | | | | | |

| LabCode | Sample | 2,4,5-Trichlorophenoxyacetic acid | Dichlorprop | MCPP (Mecoprop) | Dicamba | Glyphosate |
|---------|--------|-----------------------------------|-------------------------------|-------------------------------|-------------------------------|-----------------------------------|
| LC0001 | H119A | 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 | |
| LC0002 | H119A | | LC-MS/MS direct; DIN 38407-36 | LC-MS/MS direct; DIN 38407-36 | | LC-MS/MS; ISO 16308 |
| LC0003 | H119A | LC-MS/MS; DIN 38407-35 | LC-MS/MS; DIN 38407-35 | LC-MS/MS; DIN 38407-35 | LC-MS/MS; DIN 38407-35 | |
| LC0004 | H119A | | | | | LC-MS/MS; ISO 16308 |
| LC0005 | H119A | LC-MS/MS; | | LC-MS/MS; | LC-MS/MS; | LC-HRMS direct; |
| LC0006 | H119A | | | | | LC-MS direct (derivatization); |
| LC0007 | H119A | | | LC-MS/MS direct; | | |
| LC0008 | H119A | LC-MS/MS; DIN 38407-35 | LC-MS/MS; DIN 38407-35 | LC-MS/MS direct; DIN 38407-36 | | LC-MS/MS; ISO 16308 |
| LC0009 | H119A | | LC-MS/MS; DIN 38407-35 | LC-MS/MS; DIN 38407-35 | LC-MS/MS; DIN 38407-35 | LC-MS/MS; ISO 16308 |
| LC0010 | H119A | | LC-MS/MS; DIN 38407-35 | LC-MS/MS; DIN 38407-35 | LC-MS/MS; DIN 38407-35 | LC-MS/MS; ISO 16308 |
| LC0011 | H119A | | LC-MS/MS direct; | LC-MS/MS direct; | | LC-MS/MS direct (derivatization); |
| LC0012 | H119A | | LC-MS/MS direct; DIN 38407-36 | LC-MS/MS direct; DIN 38407-36 | | |
| LC0013 | H119A | LC-MS/MS direct; | LC-MS/MS direct; | LC-MS/MS direct; | | LC-MS/MS; |
| LC0014 | H119A | | | LC-MS/MS; | | |
| LC0015 | H119A | | | | | |

| LabCode | Sample | Glufosinate | AMPA | s-Metolachlor ethanesulfonic acid (Metolachlor-ESA) | s-Metolachlor oxanilic acid (Metolachlor-OA) | Alachlor-t-sulfonic acid (Alachlor-ESA) |
|---------|--------|-----------------------------------|-----------------------------------|---|--|---|
| LC0001 | H119A | | | | | |
| LC0002 | H119A | LC-MS/MS; ISO 16308 | LC-MS/MS; ISO 16308 | | | |
| LC0003 | H119A | | | LC-MS/MS; DIN 38407-35 | LC-MS/MS; DIN 38407-35 | LC-MS/MS; DIN 38407-35 |
| LC0004 | H119A | | LC-MS/MS; ISO 16308 | | | |
| LC0005 | H119A | IC-HRMS direct; | IC-HRMS direct; | LC-MS/MS; | | |
| LC0006 | H119A | | LC-MS direct (derivatization); | | | |
| LC0007 | H119A | | | LC-MS/MS direct; | LC-MS/MS direct; | |
| LC0008 | H119A | | LC-MS/MS; ISO 16308 | LC-MS/MS direct; DIN 38407-36 | LC-MS/MS direct; DIN 38407-36 | |
| LC0009 | H119A | LC-MS/MS; ISO 16308 | LC-MS/MS; ISO 16308 | LC-MS/MS direct; DIN 38407-36 | LC-MS/MS direct; DIN 38407-36 | |
| LC0010 | H119A | LC-MS/MS; ISO 16308 | LC-MS/MS; ISO 16308 | LC-MS/MS; DIN 38407-35 | LC-MS/MS; DIN 38407-35 | LC-MS/MS; DIN 38407-35 |
| LC0011 | H119A | LC-MS/MS direct (derivatization); | LC-MS/MS direct (derivatization); | LC-MS/MS direct; | LC-MS/MS direct; | LC-MS/MS direct; |
| LC0012 | H119A | | | LC-MS/MS direct; DIN 38407-36 | LC-MS/MS direct; DIN 38407-36 | |
| LC0013 | H119A | | LC-MS/MS; | LC-MS/MS direct; | LC-MS/MS direct; | LC-MS/MS direct; |
| LC0014 | H119A | | | | | LC-MS/MS; |
| LC0015 | H119A | | | | | |

| LabCode | Sample | Alachlor-t-acid (Alachlor-OA) | Metazachlor ethane sulfonic acid (Metazachlor-ESA) | Metazachlor oxanilic acid (Metazachlor-OA) | Dimethachlor Metabolite - CGA 369873 | Chlorothalonil sulfonic acid (Chlorothalonil-ESA) |
|---------|--------|----------------------------------|--|---|--|---|
| LC0001 | H119A | | | | | |
| LC0002 | H119A | | | | | |
| LC0003 | H119A | LC-MS/MS; DIN 38407-35 | LC-MS/MS; DIN 38407-35 | LC-MS/MS direct; DIN 38407-36 | LC-MS/MS; DIN 38407-35 | |
| LC0004 | H119A | | | | | |
| LC0005 | H119A | | | | | |
| LC0006 | H119A | | | | | LC-MS/MS direct; |
| LC0007 | H119A | | LC-MS/MS direct; | LC-MS/MS direct; | | LC-MS/MS direct; |
| LC0008 | H119A | | LC-MS/MS direct; DIN 38407-36 | LC-MS/MS direct; DIN 38407-36 | | |
| LC0009 | H119A | | LC-MS/MS direct; DIN 38407-36 | LC-MS/MS direct; DIN 38407-36 | LC-MS/MS direct; DIN 38407-36 | |
| LC0010 | H119A | LC-MS/MS; DIN 38407-35 | LC-MS/MS; DIN 38407-35 | LC-MS/MS; DIN 38407-35 | LC-MS/MS; DIN 38407-35 | LC-MS/MS; DIN 38407-35 |
| LC0011 | H119A | LC-MS/MS direct; | LC-MS/MS direct; | LC-MS/MS direct; | | LC-MS/MS direct; |
| LC0012 | H119A | | 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 | H119A | LC-MS/MS direct; | LC-MS/MS direct; | LC-MS/MS direct; | | LC-MS/MS direct; |
| LC0014 | H119A | | LC-MS/MS; | LC-MS/MS; | LC-MS/MS; | LC-MS/MS; |
| LC0015 | H119A | | | | | |

| LabCode | Sample | Chlorothalonil Metabolite R611965 (3-carbamyl-2,4,5-trichlorobenzoic acid) | Chlorothalonil-4-hydroxy | Chlorothalonil Metabolite R471811 | Chlorothalonil Metabolite R611968 | Chlorothalonil Metabolite SYN507900 |
|---------|--------|--|-------------------------------|-----------------------------------|-----------------------------------|-------------------------------------|
| LC0001 | H119A | | | | | |
| LC0002 | H119A | | | | | |
| LC0003 | H119A | | | LC-MS/MS; DIN 38407-35 | | |
| LC0004 | H119A | | | | | |
| LC0005 | H119A | | | | | |
| LC0006 | H119A | LC-MS/MS direct; | LC-MS/MS direct; | LC-MS/MS direct; | | LC-MS/MS direct; |
| LC0007 | H119A | | | LC-MS/MS direct; | | |
| LC0008 | H119A | | | | | |
| LC0009 | H119A | | | | | |
| LC0010 | H119A | LC-MS/MS; DIN 38407-35 | LC-MS/MS; DIN 38407-35 | LC-MS/MS; DIN 38407-35 | | |
| LC0011 | H119A | LC-MS/MS direct; | | LC-MS/MS direct; | LC-MS/MS direct; | LC-MS/MS direct; |
| LC0012 | H119A | 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 |
| LC0013 | H119A | | | LC-MS/MS direct; | | |
| LC0014 | H119A | | | LC-MS/MS; | | |
| LC0015 | H119A | | | | | |

| LabCode | Sample | Chlorothalonil Metabolite SYN548580 | Chlorothalonil Metabolite SYN548581 |
|---------|--------|---|---|
| LC0001 | H119A | | |
| LC0002 | H119A | | |
| LC0003 | H119A | | |
| LC0004 | H119A | | |
| LC0005 | H119A | | |
| LC0006 | H119A | | |
| LC0007 | H119A | | |
| LC0008 | H119A | | |
| LC0009 | H119A | | |
| LC0010 | H119A | | |
| LC0011 | H119A | LC-MS/MS direct; | LC-MS/MS direct; |
| LC0012 | H119A | | LC-MS/MS direct; DIN 38407-36 |
| LC0013 | H119A | | |
| LC0014 | H119A | | |
| LC0015 | H119A | | |

| LabCode | Sample | Alachlor | Metazachlor | Metolachlor | 2,4-D (2,4-Dichlorphenoxyacetic acid) | Bentazone |
|---------|--------|----------------------------------|----------------------------------|----------------------------------|---------------------------------------|----------------------------------|
| LC0001 | H119B | 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 |
| LC0002 | H119B | 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 |
| LC0003 | H119B | LC-MS/MS direct; DIN 38407-36 | LC-MS/MS direct; DIN 38407-36 | LC-MS/MS direct; DIN 38407-36 | LC-MS/MS; DIN 38407-35 | LC-MS/MS; DIN 38407-35 |
| LC0004 | H119B | | | | | |
| LC0005 | H119B | LC-MS/MS; | LC-MS/MS; | LC-MS/MS; | LC-MS/MS; | LC-MS/MS; |
| LC0006 | H119B | | | | | |
| LC0007 | H119B | | LC-MS/MS direct; | LC-MS/MS direct; | | LC-MS/MS direct; |
| LC0008 | H119B | | | LC-MS/MS direct; DIN 38407-36 | LC-MS/MS; DIN 38407-35 | LC-MS/MS; DIN 38407-35 |
| LC0009 | H119B | LC-MS/MS direct; DIN 38407-36 | LC-MS/MS direct; DIN 38407-36 | LC-MS/MS direct; DIN 38407-36 | LC-MS/MS; DIN 38407-35 | LC-MS/MS; DIN 38407-35 |
| LC0010 | H119B | LC-MS/MS; DIN 38407-35 | LC-MS/MS direct; DIN 38407-36 | LC-MS/MS direct; DIN 38407-36 | LC-MS/MS; DIN 38407-35 | LC-MS/MS; DIN 38407-35 |
| LC0011 | H119B | LC-MS/MS direct; | LC-MS/MS direct; | LC-MS/MS direct; | LC-MS/MS direct; | LC-MS/MS direct; |
| LC0012 | H119B | | 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 | H119B | LC-MS/MS direct; | LC-MS/MS direct; | LC-MS/MS direct; | LC-MS/MS direct; | LC-MS/MS direct; |
| LC0014 | H119B | | | | | LC-MS/MS; |
| LC0015 | H119B | | | | | |

| LabCode | Sample | 2,4,5-Trichlorophenoxyacetic acid | Dichlorprop | MCPP (Mecoprop) | Dicamba | Glyphosate |
|---------|--------|-----------------------------------|-------------------------------|-------------------------------|-------------------------------|-----------------------------------|
| LC0001 | H119B | 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 | |
| LC0002 | H119B | | LC-MS/MS direct; DIN 38407-36 | LC-MS/MS direct; DIN 38407-36 | | LC-MS/MS; ISO 16308 |
| LC0003 | H119B | LC-MS/MS; DIN 38407-35 | LC-MS/MS; DIN 38407-35 | LC-MS/MS; DIN 38407-35 | LC-MS/MS; DIN 38407-35 | |
| LC0004 | H119B | | | | | LC-MS/MS; ISO 16308 |
| LC0005 | H119B | LC-MS/MS; | | LC-MS/MS; | LC-MS/MS; | IC-HRMS direct; house method |
| LC0006 | H119B | | | | | LC-MS direct (derivatization); |
| LC0007 | H119B | | | LC-MS/MS direct; | | |
| LC0008 | H119B | LC-MS/MS; DIN 38407-35 | LC-MS/MS; DIN 38407-35 | LC-MS/MS; DIN 38407-35 | | LC-MS/MS; ISO 16308 |
| LC0009 | H119B | | LC-MS/MS; DIN 38407-35 | LC-MS/MS; DIN 38407-35 | | LC-MS/MS; ISO 16308 |
| LC0010 | H119B | | LC-MS/MS; DIN 38407-35 | LC-MS/MS; DIN 38407-35 | LC-MS/MS; DIN 38407-35 | LC-MS/MS; ISO 16308 |
| LC0011 | H119B | | LC-MS/MS direct; | LC-MS/MS direct; | | LC-MS/MS direct (derivatization); |
| LC0012 | H119B | | LC-MS/MS direct; DIN 38407-36 | LC-MS/MS direct; DIN 38407-36 | | |
| LC0013 | H119B | LC-MS/MS direct; | LC-MS/MS direct; | LC-MS/MS direct; | | LC-MS/MS; |
| LC0014 | H119B | | | LC-MS/MS; | | |
| LC0015 | H119B | | | | | |

| LabCode | Sample | Glufosinate | AMPA | s-Metolachlor ethanesulfonic acid (Metolachlor-ESA) | s-Metolachlor oxanilic acid (Metolachlor-OA) | Alachlor-t-sulfonic acid (Alachlor-ESA) |
|---------|--------|-----------------------------------|-----------------------------------|---|--|---|
| LC0001 | H119B | | | | | |
| LC0002 | H119B | LC-MS/MS; ISO 16308 | LC-MS/MS; ISO 16308 | | | |
| LC0003 | H119B | | | LC-MS/MS; DIN 38407-35 | LC-MS/MS; DIN 38407-35 | LC-MS/MS; DIN 38407-35 |
| LC0004 | H119B | | LC-MS/MS; ISO 16308 | | | |
| LC0005 | H119B | IC-HRMS direct; house method | IC-HRMS direct; house method | LC-MS/MS; | | |
| LC0006 | H119B | | LC-MS direct (derivatization); | | | |
| LC0007 | H119B | | | LC-MS/MS direct; | LC-MS/MS direct; | |
| LC0008 | H119B | | LC-MS/MS; ISO 16308 | LC-MS/MS direct; DIN 38407-36 | LC-MS/MS direct; DIN 38407-36 | |
| LC0009 | H119B | LC-MS/MS; ISO 16308 | LC-MS/MS; ISO 16308 | LC-MS/MS direct; DIN 38407-36 | LC-MS/MS direct; DIN 38407-36 | |
| LC0010 | H119B | LC-MS/MS; ISO 16308 | LC-MS/MS; ISO 16308 | LC-MS/MS; DIN 38407-35 | LC-MS/MS; DIN 38407-35 | LC-MS/MS; DIN 38407-35 |
| LC0011 | H119B | LC-MS/MS direct (derivatization); | LC-MS/MS direct (derivatization); | LC-MS/MS direct; | LC-MS/MS direct; | LC-MS/MS direct; |
| LC0012 | H119B | | | LC-MS/MS direct; DIN 38407-36 | LC-MS/MS direct; DIN 38407-36 | |
| LC0013 | H119B | | LC-MS/MS; | LC-MS/MS direct; | LC-MS/MS direct; | LC-MS/MS direct; |
| LC0014 | H119B | | | | | LC-MS/MS; |
| LC0015 | H119B | | | | | |

| LabCode | Sample | Alachlor-t-acid (Alachlor-OA) | Metazachlor ethane sulfonic acid (Metazachlor-ESA) | Metazachlor oxanilic acid (Metazachlor-OA) | Dimethachlor Metabolite - CGA 369873 | Chlorothalonil sulfonic acid (Chlorothalonil-ESA) |
|---------|--------|----------------------------------|--|---|--|---|
| LC0001 | H119B | | | | | |
| LC0002 | H119B | | | | | |
| LC0003 | H119B | LC-MS/MS; DIN 38407-35 | LC-MS/MS; DIN 38407-35 | LC-MS/MS direct; DIN 38407-36 | LC-MS/MS; DIN 38407-35 | |
| LC0004 | H119B | | | | | |
| LC0005 | H119B | | | | | |
| LC0006 | H119B | | | | | LC-MS/MS direct; |
| LC0007 | H119B | | LC-MS/MS direct; | LC-MS/MS direct; | | LC-MS/MS direct; |
| LC0008 | H119B | | LC-MS/MS direct; DIN 38407-36 | LC-MS/MS direct; DIN 38407-36 | | |
| LC0009 | H119B | | LC-MS/MS direct; DIN 38407-36 | LC-MS/MS direct; DIN 38407-36 | LC-MS/MS direct; DIN 38407-36 | |
| LC0010 | H119B | LC-MS/MS; DIN 38407-35 | LC-MS/MS; DIN 38407-35 | LC-MS/MS; DIN 38407-35 | LC-MS/MS; DIN 38407-35 | LC-MS/MS; DIN 38407-35 |
| LC0011 | H119B | LC-MS/MS direct; | LC-MS/MS direct; | LC-MS/MS direct; | | LC-MS/MS direct; |
| LC0012 | H119B | | 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 | H119B | LC-MS/MS direct; | LC-MS/MS direct; | LC-MS/MS direct; | | LC-MS/MS direct; |
| LC0014 | H119B | | LC-MS/MS; | LC-MS/MS; | LC-MS/MS; | LC-MS/MS; |
| LC0015 | H119B | | | | | |

| LabCode | Sample | Chlorothalonil Metabolite R611965 (3-carbamyl-2,4,5-trichlorobenzoic acid) | Chlorothalonil-4-hydroxy | Chlorothalonil Metabolite R471811 | Chlorothalonil Metabolite R611968 | Chlorothalonil Metabolite SYN507900 |
|---------|--------|--|-------------------------------|-----------------------------------|-----------------------------------|-------------------------------------|
| LC0001 | H119B | | | | | |
| LC0002 | H119B | | | | | |
| LC0003 | H119B | | | | | |
| LC0004 | H119B | | | | | |
| LC0005 | H119B | | | | | |
| LC0006 | H119B | LC-MS/MS direct; | LC-MS/MS direct; | LC-MS/MS direct; | | LC-MS/MS direct; |
| LC0007 | H119B | | | LC-MS/MS direct; | | |
| LC0008 | H119B | | | | | |
| LC0009 | H119B | | | | | |
| LC0010 | H119B | LC-MS/MS; DIN 38407-35 | LC-MS/MS; DIN 38407-35 | LC-MS/MS; DIN 38407-35 | | |
| LC0011 | H119B | LC-MS/MS direct; | | LC-MS/MS direct; | LC-MS/MS direct; | LC-MS/MS direct; |
| LC0012 | H119B | 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 |
| LC0013 | H119B | | | LC-MS/MS direct; | | |
| LC0014 | H119B | | | LC-MS/MS; | | |
| LC0015 | H119B | | | | | |

| LabCode | Sample | Chlorothalonil Metabolite SYN548580 | Chlorothalonil Metabolite SYN548581 |
|---------|--------|---|---|
| LC0001 | H119B | | |
| LC0002 | H119B | | |
| LC0003 | H119B | | |
| LC0004 | H119B | | |
| LC0005 | H119B | | |
| LC0006 | H119B | | |
| LC0007 | H119B | | |
| LC0008 | H119B | | |
| LC0009 | H119B | | |
| LC0010 | H119B | | |
| LC0011 | H119B | LC-MS/MS direct; | LC-MS/MS direct; |
| LC0012 | H119B | | LC-MS/MS direct; DIN 38407-36 |
| LC0013 | H119B | | |
| LC0014 | H119B | | |
| LC0015 | H119B | | |