

# Proficiency Testing Scheme für die Wasseranalytik - Realproben H118 Herbizide/Pestizide

# Proficiency Testing Scheme for Water Analysis - natural water samples H118 Herbicides/Pesticides

## BERICHT / REPORT

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## **D1. Beschreibung des Ringversuchs**

### **D1.1. Ausgestaltung und Durchführung**

- Anzahl der Anmeldungen: 16
- Anzahl der übermittelten Datensätze: 16
- Probenversand: 20.02.2024
- Einsendeschluss der Daten: 26.03.2024

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 15.02.2024. Das Probenmaterial umfasste:

- 1 Probe Grundwasser (H118 A)
- 1 Probe Oberflächenwasser (H118 B)

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

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

Die homogenen Prüfgegenstände wurden am 20.02.2024 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

### **D1.3. Anweisungen für die Teilnehmenden**

Aus Stabilitätsgründen wurde empfohlen bis spätestens 28.02.2024 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.

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 26.03.2024 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. 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<sub>n</sub>-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<sub>n</sub>-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<sub>n</sub>-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 Unsicherheitschätzungen 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.

Parameter Chloridazon-desphenyl bei Probe H118 A und Parameter Dimethenamid und N,N-Dimethylsulfamid bei Probe H118 B:

Für diese Parameter wurden die relativen Vergleichsstandardabweichungen (vR) der aktuellen Eignungsprüfungsrunde für die Bewertung gewählt (gerundet auf 2 signifikante Stellen). Das Kriterium bei Probe H118 A war 16 % für Chloridazon-desphenyl, 15 % für Dimethenamid Probe H118 B sowie 26 % für N,N-Dimethylsulfamid Probe H118 B.

Parameter Chloridazon-desphenyl bei Probe H118 A: Der auf Basis der Ergebnisse der Teilnehmenden berechneten Sollwert lag außerhalb der Messunsicherheit des Kontrollwertes und es ist über das Kontrolllabor keine Rückführbarkeit möglich. Der zugewiesene Wert wurde daher über den ausreißerbereinigten Mittelwert aus der Gruppe der akkreditierten Teilnehmenden berechnet.

Parameter Atrazin-desethyl-desisopropyl, Bromacil, N,N-Dimethylsulfamid, Nicosulfuron bei Probe H118 A und Parameter Atrazin-desethyl-desisopropyl, Bromacil, Nicosulfuron bei Probe H118 B: Aufgrund einer zu geringen Anzahl an

übermittelten Ergebnissen der Teilnehmenden ( $n < 6$ ) bzw. aufgrund von weniger als 6 vorliegenden Ergebnissen nach Ausreißerbereinigung konnte kein Sollwert berechnet werden. Für diese Parameter empfehlen wir einen Vergleich mit den in D6.1 angeführten informativen Werten, welche über die vorliegenden ausreißerbereinigten Daten der Gruppe der akkreditierten Teilnehmenden ermittelt wurden.

Parameter Sebuthylazin bei Probe H118 A: Aufgrund des geringen Gehaltes in der Probe konnte kein Sollwert berechnet werden. Für diesen Parameter empfehlen wir einen Vergleich mit den Ergebnissen des Kontrolllabors.

Parameter Sebuthylazin bei Probe H118 B: Nachdem alle Ergebnisse für diesen Parameter in einem engen Wertebereich lagen, war der Ausreißertest nach Hampel nicht anwendbar und es wurde der Ausreißertest nach Dean und Dixon durchgeführt und LC0011 als Ausreißer (Signifikanzniveau 0.01) eliminiert.

Bei allen weiteren Parametern erfolgte die Berechnung der Scores nach D2.

## 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. $\mu\text{g/l}$ )
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)

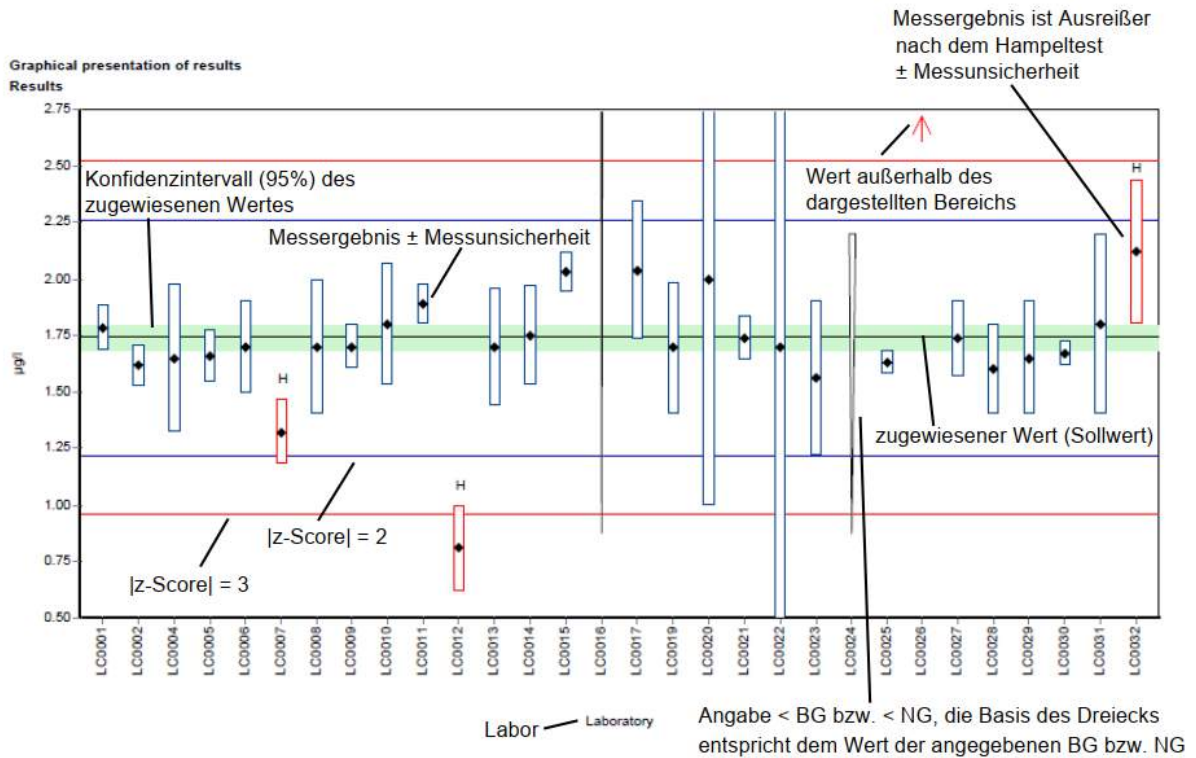
sR	Vergleichsstandardabweichung, berechnet aus den ausreißerbereinigten Ergebnissen der Teilnehmenden des aktuellen Ringversuchs (angegeben auf 3 signifikante Stellen)
vR	relative Vergleichsstandardabweichung in %, berechnet aus den ausreißerbereinigten Ergebnissen der Teilnehmenden des aktuellen Ringversuchs 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 <sub>n</sub> -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
D	Ausreißer nach Dean-Dixon
FN	Falsch negativ – Messergebnis kleiner Bestimmungs- bzw. Nachweisgrenze dessen Betrag die Bedingungen eines Ausreißers nach dem Hampeltest erfüllt.
FP	Falsch positiv – Falls aufgrund des geringen Analytgehalts kein zugewiesener Wert ermittelt werden kann ( $n < 6$ ), wird der Median der Beträge der übermittelten Nachweis- bzw. Bestimmungsgrenzen ermittelt. Als falsch positiv wird ein Messergebnis bewertet, welches diesen Median um mehr als 100 % übersteigt.
Standardabweichung	Vergleichsstandardabweichung berechnet aus den Ergebnissen der Teilnehmenden des aktuellen Ringversuchs (angegeben auf 3 signifikante Stellen)
rel. Standardabweichung	relative Vergleichsstandardabweichung in %, berechnet aus den Ergebnissen der Teilnehmenden des aktuellen Ringversuchs bezogen auf den Mittelwert (angegeben auf 3 signifikante Stellen)
n	Anzahl der Messergebnisse
*	Kennzeichnung für Hinweise zur Erläuterung

## D5.2. Graphische Darstellung der Ergebnisse

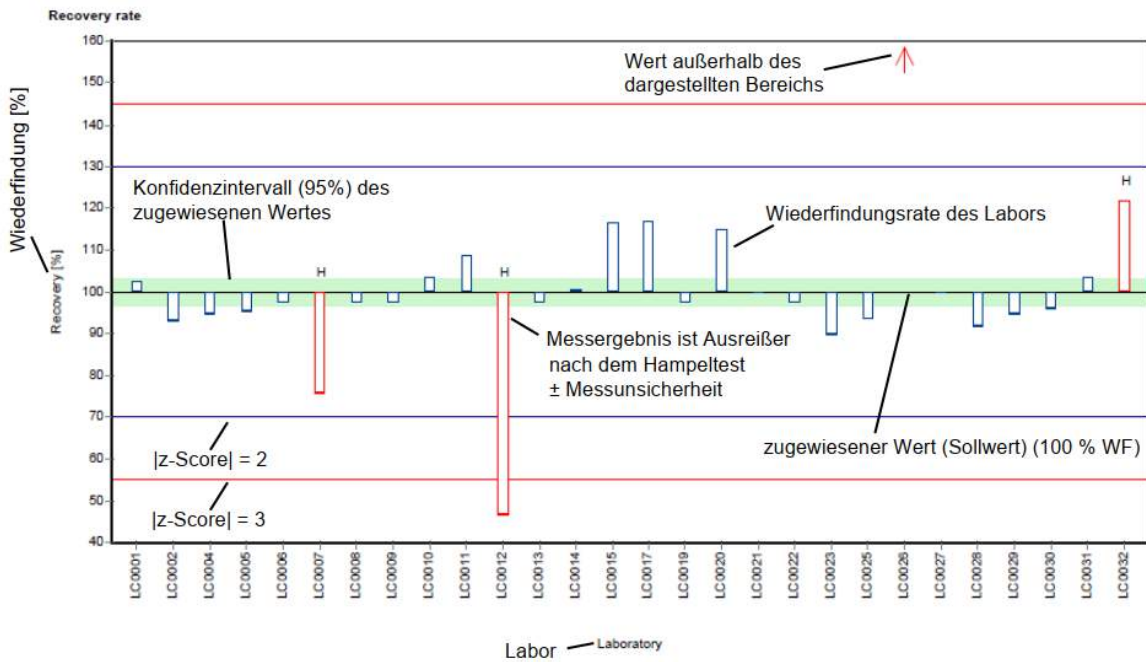
Nachfolgend wird die graphische Darstellung anhand von kommentierten Beispieldiagrammen erläutert.

### Beispieldiagramm: Messwerte



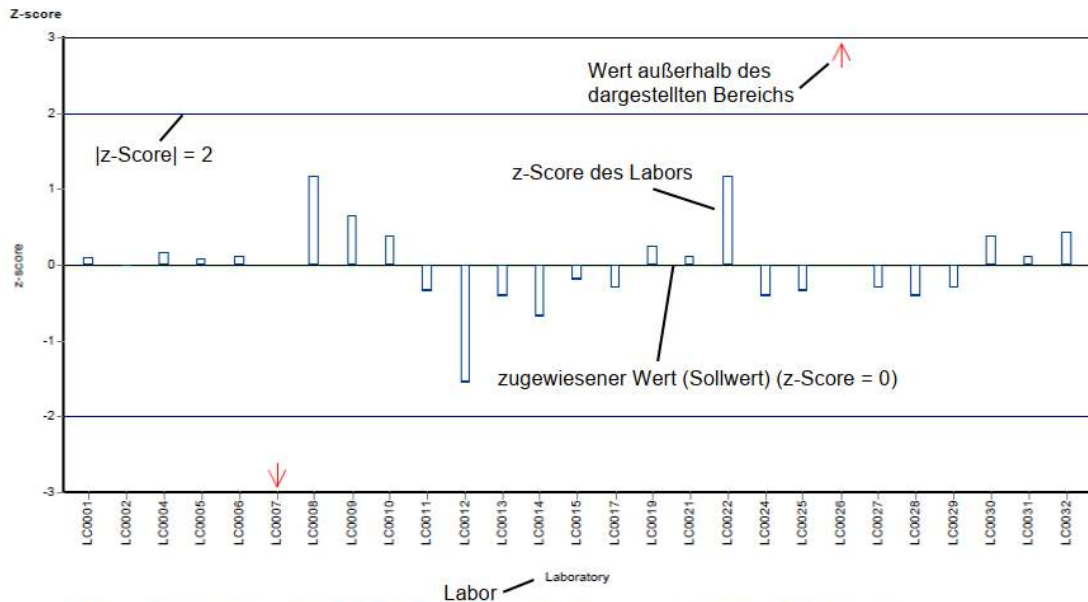
Unterschiedliche Analysenmethoden werden mit unterschiedlichen Farben kenntlich gemacht.

### Beispieldiagramm: Wiederfindung zum zugewiesenen Wert



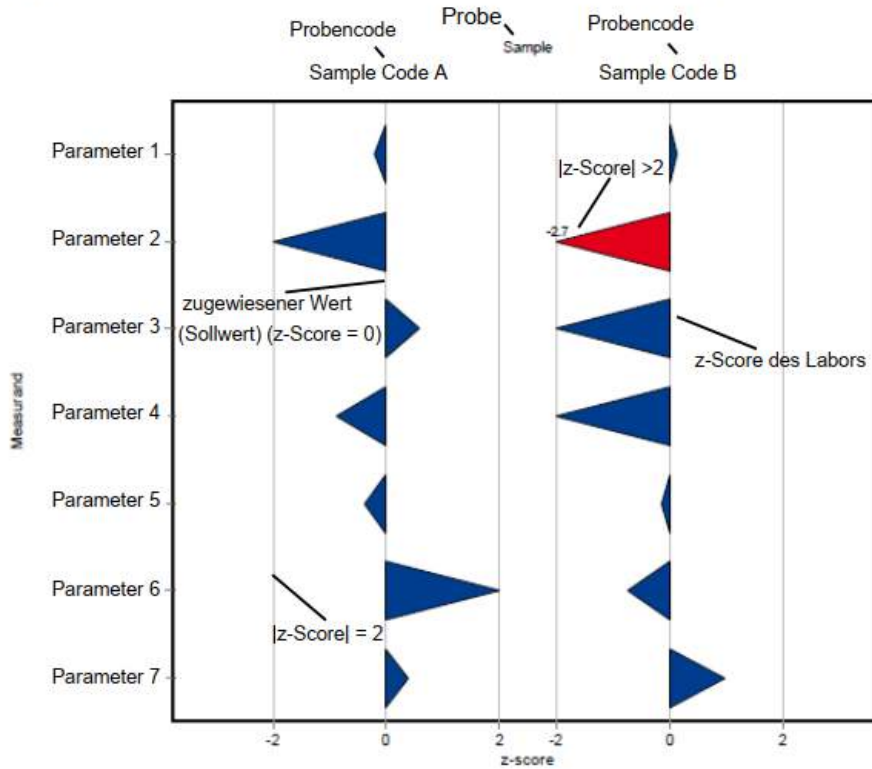
Unterschiedliche Analysenmethoden werden mit unterschiedlichen Farben kenntlich gemacht.

### Beispieldiagramm: z-Score

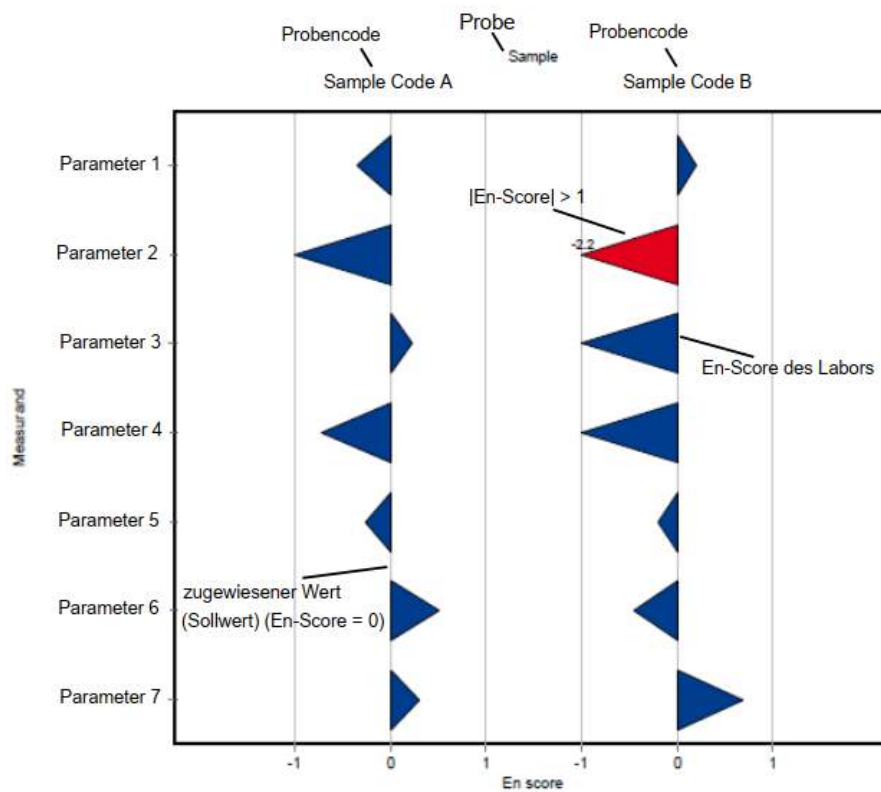


Unterschiedliche Analysenmethoden werden mit unterschiedlichen Farben kenntlich gemacht.

**Beispieldiagramm: z-Score (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 [%]
2,6-Dichlorbenzamid	H118 A	µg/l	0.936	±	0.0508	0.14	15
	H118 B	µg/l	0.82	±	0.0509	0.123	15
Alachlor	H118 A	µg/l	0.646	±	0.0421	0.0775	12
	H118 B	µg/l	0.822	±	0.0302	0.0986	12
Atrazin	H118 A	µg/l	0.605	±	0.0286	0.0666	11
	H118 B	µg/l	0.837	±	0.0256	0.0921	11
Atrazin-Desethyl	H118 A	µg/l	0.449	±	0.0244	0.0539	12
	H118 B	µg/l	0.796	±	0.0375	0.0955	12
Atrazin-Desethyl-Desisopropyl	H118 A*	µg/l	-	±	-	-	-
	H118 B*	µg/l	-	±	-	-	-
Atrazin-Desisopropyl	H118 A	µg/l	0.292	±	0.0132	0.0409	14
	H118 B	µg/l	0.689	±	0.0457	0.0964	14
Bromacil	H118 A*	µg/l	-	±	-	-	-
	H118 B*	µg/l	-	±	-	-	-
Chloridazon	H118 A	µg/l	0.506	±	0.0306	0.0657	13
	H118 B	µg/l	0.511	±	0.03	0.0664	13
Chloridazon-Desphenyl	H118 A	µg/l	0.188	±	0.022	0.0301	16
	H118 B	µg/l	0.316	±	0.0166	0.0348	11
Chloridazon-Methyl-Desphenyl	H118 A	µg/l	0.585	±	0.046	0.076	13
	H118 B	µg/l	0.582	±	0.029	0.0756	13
Clopyralid	H118 A	µg/l	0.486	±	0.075	0.0972	20
	H118 B	µg/l	0.806	±	0.12	0.161	20
Cyanazin	H118 A	µg/l	0.833	±	0.0363	0.117	14
	H118 B	µg/l	0.538	±	0.0254	0.0754	14
Dimethenamid	H118 A	µg/l	0.651	±	0.045	0.0651	10
	H118 B	µg/l	0.983	±	0.0996	0.148	15
Diuron	H118 A	µg/l	0.535	±	0.0265	0.0695	13
	H118 B	µg/l	0.509	±	0.0283	0.0662	13
Metolachlor	H118 A	µg/l	0.623	±	0.0267	0.0934	15
	H118 B	µg/l	0.779	±	0.0345	0.117	15
N,N-Dimethylsulfamid (DMS)	H118 A*	µg/l	-	±	-	-	-
	H118 B	µg/l	0.632	±	0.136	0.164	26
Nicosulfuron	H118 A*	µg/l	-	±	-	-	-
	H118 B*	µg/l	-	±	-	-	-
Prometryn	H118 A	µg/l	0.505	±	0.0111	0.0656	13
	H118 B	µg/l	0.732	±	0.0216	0.0952	13
Propazin	H118 A	µg/l	0.349	±	0.0189	0.0454	13
	H118 B	µg/l	0.568	±	0.0414	0.0739	13
Sebuthylazin	H118 A**	µg/l	-	±	-	-	-

Parameter	Probe	Einheit	zugewiesener Wert	±	U (k=2)	Kriterium	Kriterium [%]
Sebuthylazin	H118 B	µg/l	0.709	±	0.0233	0.066	9.3
Simazin	H118 A	µg/l	0.462	±	0.0261	0.0509	11
	H118 B	µg/l	0.557	±	0.0263	0.0613	11
Terbuthylazin	H118 A	µg/l	0.262	±	0.0111	0.0288	11
	H118 B	µg/l	0.515	±	0.0163	0.0567	11
Terbuthylazin-Desethyl	H118 A	µg/l	0.296	±	0.0149	0.0325	11
	H118 B	µg/l	0.597	±	0.0361	0.0656	11
Terbutryn	H118 A	µg/l	0.628	±	0.0228	0.0628	10
	H118 B	µg/l	0.332	±	0.0175	0.0332	10

\*Für nachfolgende Substanzen 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.

H118 A Atrazin-Desethyl-Desisopropyl: MW(n=3 akkr.) +/- U(k=2): 0.280 +/- 0.0250 µg/l

H118 A Bromacil: MW(n=5 akkr.) +/- U(k=2): 0.473 +/- 0.0134 µg/l

H118 A N,N-Dimethylsulfamid (DMS): MW(n=4 akkr.) +/- U(k=2): 0.910 +/- 0.0951 µg/l

H118 A Nicosulfuron: MW(n=4 akkr.) +/- U(k=2): 0.413 +/- 0.0489 µg/l

H118 B Atrazin-Desethyl-Desisopropyl: MW(n=3 akkr.) +/- U(k=2): 0.347 +/- 0.0350 µg/l

H118 B Bromacil: MW(n=5 akkr.) +/- U(k=2): 0.973 +/- 0.0353 µg/l

H118 B Nicosulfuron: MW(n=4 akkr.) +/- U(k=2): 0.694 +/- 0.0308 µg/l

\*\*Für nachfolgende Substanz ist zur Information der Wert des Kontrolllabors zum Vergleich angeführt:

H118 A Sebuthylazin: < 0.025 (NG) µg/l

## D6.2. Zusammenfassung der ausreißerbereinigten Ringversuchsergebnisse

Parameter	Probe	Anzahl Labors für Berechnung	Anzahl Ausreißer Labors	Einheit	Mittelwert	± VB (99%)	Minimum	Maximum	sR	vR [%]
2,6-Dichlorbenzamid	H118 A	12	1	µg/l	0.936	± 0.0762	0.765	1.1	0.088	9.4
	H118 B	12	1	µg/l	0.82	± 0.0764	0.642	0.99	0.0882	11
Alachlor	H118 A	9	1	µg/l	0.646	± 0.0632	0.498	0.709	0.0632	9.8
	H118 B	8	2	µg/l	0.822	± 0.0453	0.76	0.884	0.0427	5.2
Atrazin	H118 A	14	2	µg/l	0.605	± 0.0429	0.505	0.679	0.0535	8.8
	H118 B	14	2	µg/l	0.837	± 0.0384	0.737	0.92	0.0479	5.7
Atrazin-Desethyl	H118 A	14	1	µg/l	0.449	± 0.0366	0.389	0.532	0.0457	10
	H118 B	14	1	µg/l	0.796	± 0.0563	0.674	0.927	0.0702	8.8
Atrazin-Desethyl-Desisopropyl	H118 A	3	1	µg/l	-	± -	0.255	0.293	-	-
	H118 B	3	1	µg/l	-	± -	0.313	0.371	-	-
Atrazin-Desisopropyl	H118 A	12	2	µg/l	0.292	± 0.0198	0.247	0.333	0.0229	7.8
	H118 B	13	1	µg/l	0.689	± 0.0685	0.497	0.838	0.0823	12
Bromacil	H118 A	5	1	µg/l	-	± -	0.454	0.487	-	-
	H118 B	5	1	µg/l	-	± -	0.916	1.02	-	-
Chloridazon	H118 A	14	0	µg/l	0.506	± 0.046	0.416	0.604	0.0573	11
	H118 B	14	0	µg/l	0.511	± 0.0449	0.395	0.61	0.056	11
Chloridazon-Desphenyl	H118 A	8	1	µg/l	0.184	± 0.0312	0.155	0.235	0.0295	16
	H118 B	8	1	µg/l	0.316	± 0.0249	0.28	0.35	0.0235	7.4
Chloridazon-Methyl-Desphenyl	H118 A	10	0	µg/l	0.585	± 0.069	0.482	0.721	0.0728	12
	H118 B	9	1	µg/l	0.582	± 0.0436	0.521	0.679	0.0436	7.5
Clopyralid	H118 A	6	0	µg/l	0.486	± 0.113	0.359	0.58	0.0919	19
	H118 B	6	0	µg/l	0.806	± 0.181	0.615	0.942	0.148	18
Cyanazin	H118 A	9	1	µg/l	0.833	± 0.0544	0.722	0.895	0.0544	6.5
	H118 B	8	2	µg/l	0.538	± 0.0381	0.471	0.574	0.0359	6.7
Dimethenamid	H118 A	9	1	µg/l	0.651	± 0.0675	0.529	0.774	0.0675	10
	H118 B	9	1	µg/l	0.983	± 0.149	0.749	1.28	0.149	15
Diuron	H118 A	14	1	µg/l	0.535	± 0.0398	0.428	0.628	0.0496	9.3

Parameter	Probe	Anzahl Labors für Berechnung	Anzahl Ausreißer Labors	Einheit	Mittelwert	± VB (99%)	Minimum	Maximum	sR	vR [%]
Diuron	H118 B	15	0	µg/l	0.509	± 0.0425	0.4	0.575	0.0548	11
Metolachlor	H118 A	14	1	µg/l	0.623	± 0.04	0.511	0.705	0.0499	8
	H118 B	13	2	µg/l	0.779	± 0.0518	0.618	0.852	0.0623	8
N,N-Dimethylsulfamid (DMS)	H118 A	5	1	µg/l	-	± -	0.801	1.03	-	-
	H118 B	6	0	µg/l	0.632	± 0.203	0.474	0.94	0.166	26
Nicosulfuron	H118 A	4	2	µg/l	-	± -	0.34	0.44	-	-
	H118 B	4	2	µg/l	-	± -	0.655	0.729	-	-
Prometryn	H118 A	9	2	µg/l	0.505	± 0.0166	0.479	0.523	0.0166	3.3
	H118 B	9	2	µg/l	0.732	± 0.0324	0.669	0.768	0.0324	4.4
Propazin	H118 A	9	1	µg/l	0.349	± 0.0284	0.301	0.392	0.0284	8.1
	H118 B	8	2	µg/l	0.568	± 0.0621	0.447	0.649	0.0586	10
Sebuthylazin	H118 A	0	0	µg/l	-	± -	-	-	-	-
	H118 B	7	1	µg/l	0.709	± 0.0349	0.657	0.762	0.0308	4.3
Simazin	H118 A	15	1	µg/l	0.462	± 0.0392	0.38	0.548	0.0506	11
	H118 B	15	1	µg/l	0.557	± 0.0395	0.448	0.648	0.051	9.2
Terbuthylazin	H118 A	15	1	µg/l	0.262	± 0.0167	0.219	0.296	0.0216	8.2
	H118 B	14	2	µg/l	0.515	± 0.0245	0.438	0.551	0.0305	5.9
Terbuthylazin-Desethyl	H118 A	13	1	µg/l	0.296	± 0.0224	0.251	0.353	0.0269	9.1
	H118 B	13	1	µg/l	0.597	± 0.0542	0.435	0.708	0.0651	11
Terbutryn	H118 A	12	2	µg/l	0.628	± 0.0342	0.569	0.706	0.0395	6.3
	H118 B	13	1	µg/l	0.332	± 0.0262	0.266	0.387	0.0315	9.5

## **E1. Description of the proficiency test**

### **E1.1. Design and implementation**

- Number of registrations: 16
- Number of submitted data records: 16
- Dispatch of samples: February 20<sup>th</sup>, 2024
- Closing date for submission of data: March 26<sup>th</sup>, 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 were both carried out on February 15<sup>th</sup>, 2024.

The following samples were made available

- 1 sample ground water (H118 A)
- 1 sample surface water (H118 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 February 20<sup>th</sup>, 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.

### **E1.3. Instructions for the participants**

For reasons of stability, it was recommended to start the analysis by the 28<sup>th</sup> of February 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 Environment Agency Austria (Prüfstelle für Umwelt-, GVO- & Treibstoffanalytik) close to the time of sample dispatch.

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

In the parameter-oriented evaluation (E7), the results of the control testing are given in the form of arithmetic means of the detected concentrations  $\pm$  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 26<sup>th</sup> of March 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. 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<sub>n</sub>-Score

Since 2019 additional assessment of the participants' results using E<sub>n</sub>-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<sub>n</sub>-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<sub>n</sub>-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<sub>n</sub>-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<sub>n</sub>-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<sub>n</sub>-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<sub>pool</sub>) were calculated.

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

Parameter Chloridazon-desphenyl sample H118 A and parameter Dimethenamide and N,N-Dimethylsulfamide sample H118 B:

For these parameters the reproducibility standard deviation ( $vR$ ) of the current proficiency testing round was chosen for assessment (rounded to 2 significant figures). The criterion for sample H118 A was 16 % for Chloridazon-desphenyl, 15 % for Dimethenamide sample H118 B and 26 % for N,N-Dimethylsulfamide sample H118 B.

Parameter Chloridazon-desphenyl sample H118 A: The assigned value calculated based on the participant results was outside of the measurement uncertainty of the control test value and thus traceability could not be proven by this procedure. Therefore, a new assigned value was defined by the group of accredited participating laboratories after outlier-assessment.

Parameters Atrazine-desethyl-desisopropyl, Bromacil, N,N-Dimethylsulfamide, Nicosulfurone sample H118 A and parameters Atrazine-desethyl-desisopropyl, Bromacil, Nicosulfurone sample H118 B:

Assigned values could not be defined because of the small number of submitted results ( $n < 6$ ) or due to the small number of valid results after outlier removal. For these

parameters, we recommend a comparison with the informative values listed in E6.1, which were calculated based on the available data from the group of accredited laboratories after outlier elimination.

Parameter Sebuthylazine sample H118 A:

An assigned value was not calculated due to the low analyte concentration. For this parameter, we recommend to compare your results with the control test values.

Parameter Sebuthylazine sample H118 B:

As most results for this parameter were very close to each other, the Hampel outlier test was not applicable and the Dean-Dixon outlier test was performed. LC0011 was eliminated as a Dean-Dixon outlier (significance level 0.01).

Scores for all other parameters were calculated according to E2.

## E5. Annotations on tables and charts

### E5.1. Information and abbreviations in tables

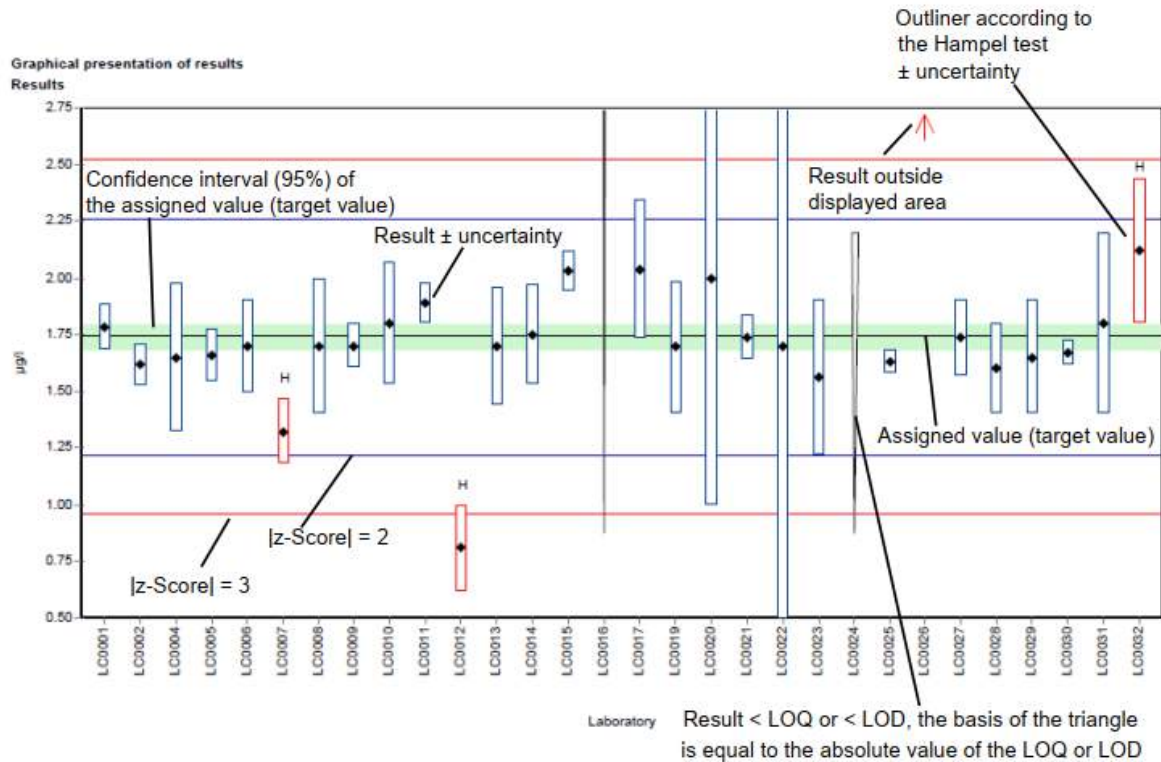
Parameter	Analyte identifier
Sample	Sample identifier
Unit	Given unit for result and uncertainty (e.g. µg/l)
Assigned value	Target value for proficiency assessment of the participants (3 significant digits)
U (k=2)	Expanded uncertainty (k=2) of the assigned value (3 significant digits)
Criteria	Specified 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 $\pm$ U (k=2)	Mean of control test value $\pm$ expanded measurement uncertainty (3 significant digits)
Labcode	Laboratory identifier (anonymized)
Result $\pm$ 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 <sub>n</sub> -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 <sub>n</sub> -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
D	Dean-Dixon outlier
FN	False negative – for a result < LOQ or result < LOD: The absolute value of the LOQ or LOD fulfils the condition of an outlier according to the Hampel test.
FP	False positive – for parameters where no target value is available because of a too low analyte content (n < 6): Result that exceeds the median of the absolute values of the transmitted LOQs or LODs by more than 100 %.
Standard deviation	Reproducibility standard deviation, calculated from the participants' results (3 significant digits)
Rel. standard deviation	Reproducibility standard deviation, calculated from the participants' results relative to the target value, given in %, (3 significant digits)
n	Number of results
*	mark for additional comments

## E5.2. Graphical presentation of results

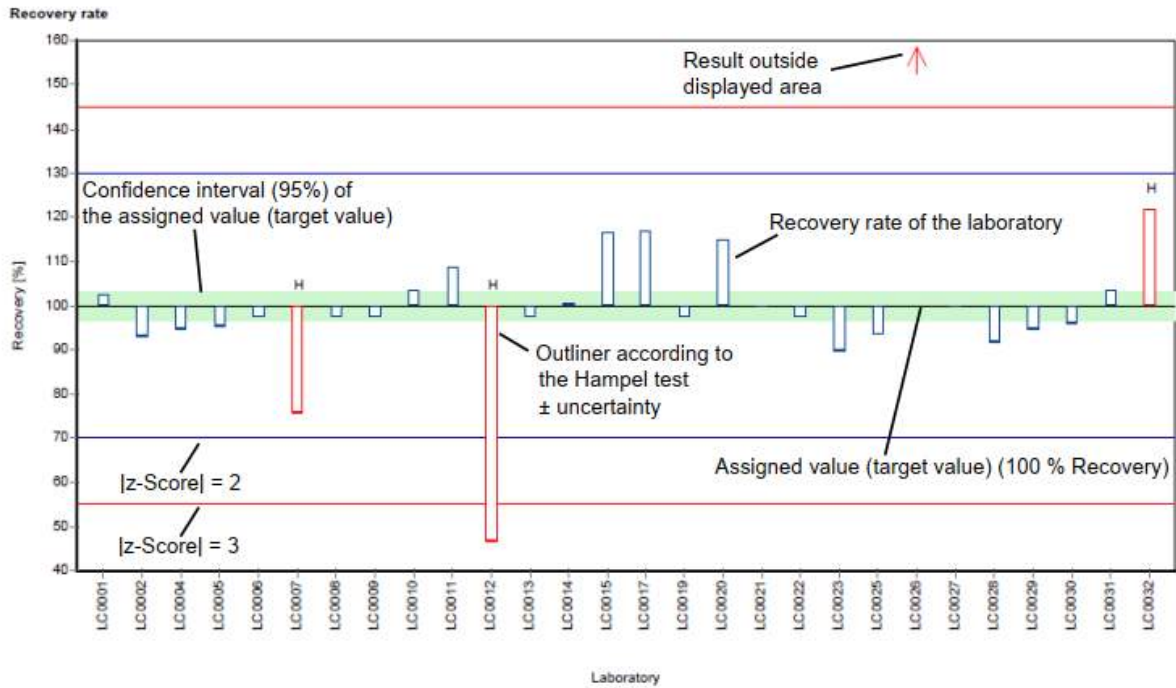
The graphic representation in the report is explained below by means of commented example diagrams:

### Example chart: Results



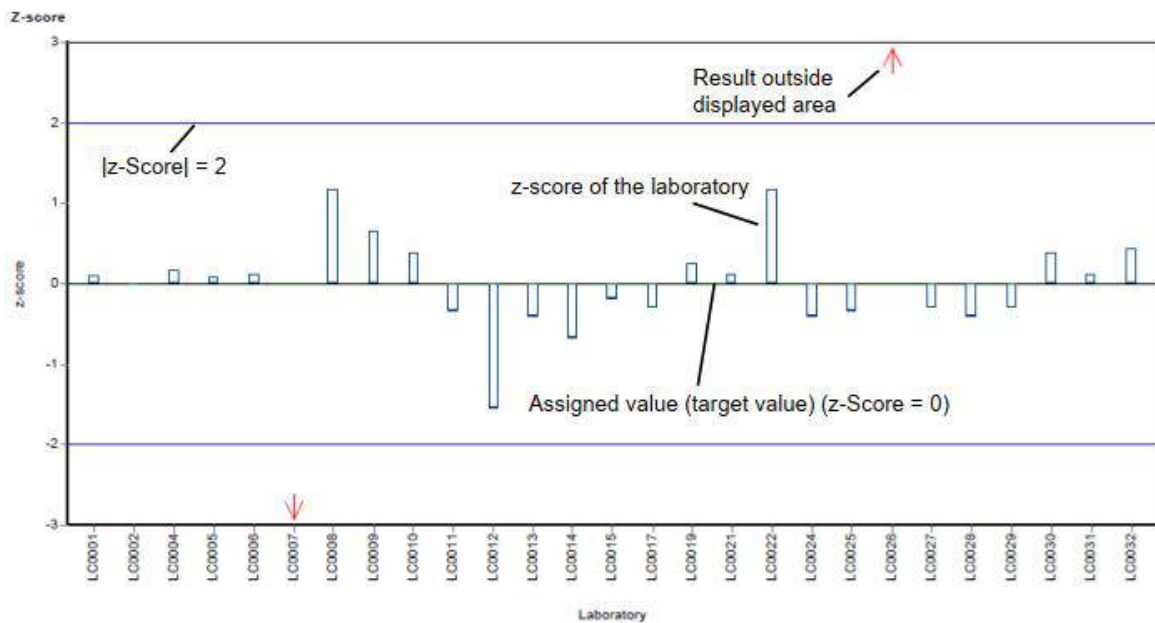
Different analysis methods are represented with different colors.

### Example chart: Recovery



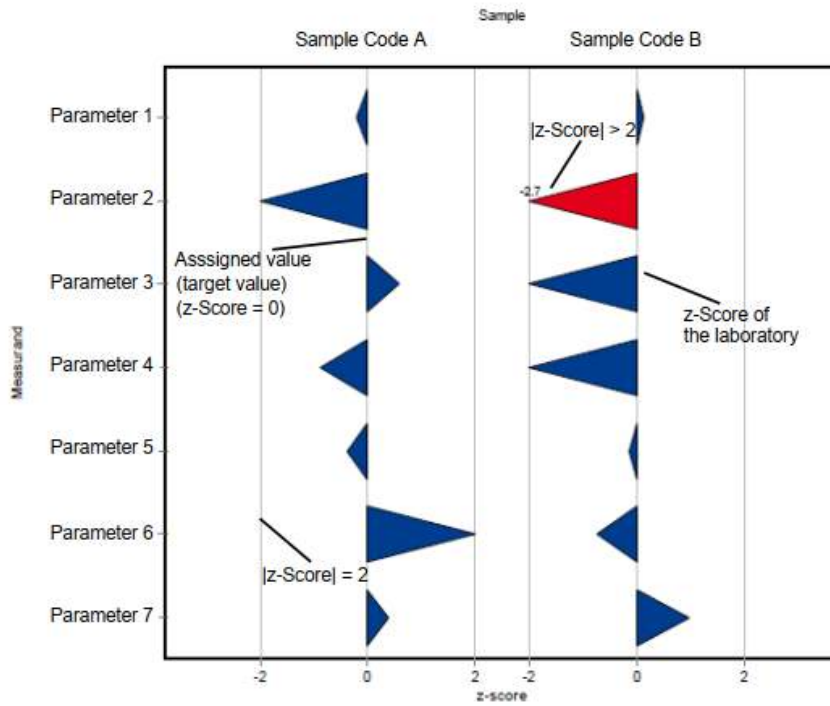
Different analysis methods are represented with different colors.

### Example chart: z-Score

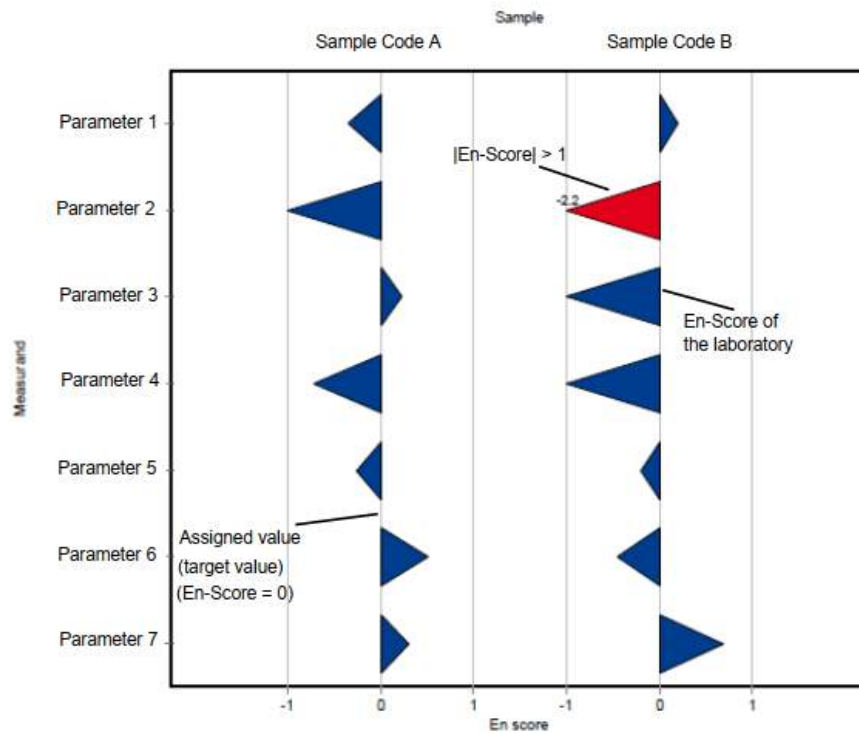


Different analysis methods are represented with different colors.

**Example chart: z-Score (laboratory oriented report)**



**Example chart: En-Score (laboratory oriented report)**



## E6. Summary

### E6.1. Table of assigned values

Parameter	Sample	Unit	Assigned value	±	U (k=2)	Criterion	Criterion [%]
2,6-Dichlorobenzamide	H118 A	µg/l	0.936	±	0.0508	0.14	15
	H118 B	µg/l	0.82	±	0.0509	0.123	15
Alachlor	H118 A	µg/l	0.646	±	0.0421	0.0775	12
	H118 B	µg/l	0.822	±	0.0302	0.0986	12
Atrazine	H118 A	µg/l	0.605	±	0.0286	0.0666	11
	H118 B	µg/l	0.837	±	0.0256	0.0921	11
Atrazine-desethyl	H118 A	µg/l	0.449	±	0.0244	0.0539	12
	H118 B	µg/l	0.796	±	0.0375	0.0955	12
Atrazine-desethyl-desisopropyl	H118 A*	µg/l	-	±	-	-	-
	H118 B*	µg/l	-	±	-	-	-
Atrazine-desisopropyl	H118 A	µg/l	0.292	±	0.0132	0.0409	14
	H118 B	µg/l	0.689	±	0.0457	0.0964	14
Bromacil	H118 A*	µg/l	-	±	-	-	-
	H118 B*	µg/l	-	±	-	-	-
Chloridazon	H118 A	µg/l	0.506	±	0.0306	0.0657	13
	H118 B	µg/l	0.511	±	0.03	0.0664	13
Chloridazon-desphenyl	H118 A	µg/l	0.188	±	0.022	0.0301	16
	H118 B	µg/l	0.316	±	0.0166	0.0348	11
Chloridazon-methyl-desphenyl	H118 A	µg/l	0.585	±	0.046	0.076	13
	H118 B	µg/l	0.582	±	0.029	0.0756	13
Clopyralid	H118 A	µg/l	0.486	±	0.075	0.0972	20
	H118 B	µg/l	0.806	±	0.12	0.161	20
Cyanazine	H118 A	µg/l	0.833	±	0.0363	0.117	14
	H118 B	µg/l	0.538	±	0.0254	0.0754	14
Dimethenamide	H118 A	µg/l	0.651	±	0.045	0.0651	10
	H118 B	µg/l	0.983	±	0.0996	0.148	15
Diuron	H118 A	µg/l	0.535	±	0.0265	0.0695	13
	H118 B	µg/l	0.509	±	0.0283	0.0662	13
Metolachlor	H118 A	µg/l	0.623	±	0.0267	0.0934	15
	H118 B	µg/l	0.779	±	0.0345	0.117	15
N,N-Dimethylsulfamide (DMS)	H118 A*	µg/l	-	±	-	-	-
	H118 B	µg/l	0.632	±	0.136	0.164	26
Nicosulfurone	H118 A*	µg/l	-	±	-	-	-
	H118 B*	µg/l	-	±	-	-	-
Prometryn	H118 A	µg/l	0.505	±	0.0111	0.0656	13
	H118 B	µg/l	0.732	±	0.0216	0.0952	13
Propazine	H118 A	µg/l	0.349	±	0.0189	0.0454	13
	H118 B	µg/l	0.568	±	0.0414	0.0739	13



Parameter	Sample	Unit	Assigned value	±	U (k=2)	Criterion	Criterion [%]
Sebuthylazine	H118 A**	µg/l	-	±	-	-	-
	H118 B	µg/l	0.709	±	0.0233	0.066	9.3
Simazine	H118 A	µg/l	0.462	±	0.0261	0.0509	11
	H118 B	µg/l	0.557	±	0.0263	0.0613	11
Terbuthylazine	H118 A	µg/l	0.262	±	0.0111	0.0288	11
	H118 B	µg/l	0.515	±	0.0163	0.0567	11
Terbuthylazine-desethyl	H118 A	µg/l	0.296	±	0.0149	0.0325	11
	H118 B	µg/l	0.597	±	0.0361	0.0656	11
Terbutryn	H118 A	µg/l	0.628	±	0.0228	0.0628	10
	H118 B	µg/l	0.332	±	0.0175	0.0332	10

\*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:

H118 A Atrazine-Desethyl-Desisopropyl: MV(n=3 accr.) +/- U(k=2): 0.280 +/- 0.0250 µg/l

H118 A Bromacil: MV(n=5 accr.) +/- U(k=2): 0.473 +/- 0.0134 µg/l

H118 A N,N-Dimethylsulfamide (DMS): MV(n=4 accr.) +/- U(k=2): 0.910 +/- 0.0951 µg/l

H118 A Nicosulfurone: MV(n=4 accr.) +/- U(k=2): 0.413 +/- 0.0489 µg/l

H118 B Atrazine-Desethyl-Desisopropyl: MV(n=3 accr.) +/- U(k=2): 0.347 +/- 0.0350 µg/l

H118 B Bromacil: MV(n=5 accr.) +/- U(k=2): 0.973 +/- 0.0353 µg/l

H118 B Nicosulfurone: MV(n=4 accr.) +/- U(k=2): 0.694 +/- 0.0308 µg/l

\*\*For the following substance, the value of the control laboratory is listed for information:

H118 A Sebuthylazine: < 0.025 (LOD) µg/l

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

Parameter	Sample	Number of results for calculation	Number of outliers	Unit	Mean	±	CI (99%)	Minimum	Maximum	sR	vR [%]
2,6-Dichlorobenzamide	H118 A	12	1	µg/l	0.936	±	0.0762	0.765	1.1	0.088	9.4
	H118 B	12	1	µg/l	0.82	±	0.0764	0.642	0.99	0.0882	11
Alachlor	H118 A	9	1	µg/l	0.646	±	0.0632	0.498	0.709	0.0632	9.8
	H118 B	8	2	µg/l	0.822	±	0.0453	0.76	0.884	0.0427	5.2
Atrazine	H118 A	14	2	µg/l	0.605	±	0.0429	0.505	0.679	0.0535	8.8
	H118 B	14	2	µg/l	0.837	±	0.0384	0.737	0.92	0.0479	5.7
Atrazine-desethyl	H118 A	14	1	µg/l	0.449	±	0.0366	0.389	0.532	0.0457	10
	H118 B	14	1	µg/l	0.796	±	0.0563	0.674	0.927	0.0702	8.8
Atrazine-desethyl-desisopropyl	H118 A	3	1	µg/l	-	±	-	0.255	0.293	-	-
	H118 B	3	1	µg/l	-	±	-	0.313	0.371	-	-
Atrazine-desisopropyl	H118 A	12	2	µg/l	0.292	±	0.0198	0.247	0.333	0.0229	7.8
	H118 B	13	1	µg/l	0.689	±	0.0685	0.497	0.838	0.0823	12
Bromacil	H118 A	5	1	µg/l	-	±	-	0.454	0.487	-	-
	H118 B	5	1	µg/l	-	±	-	0.916	1.02	-	-
Chloridazon	H118 A	14	0	µg/l	0.506	±	0.046	0.416	0.604	0.0573	11
	H118 B	14	0	µg/l	0.511	±	0.0449	0.395	0.61	0.056	11
Chloridazon-desphenyl	H118 A	8	1	µg/l	0.184	±	0.0312	0.155	0.235	0.0295	16
	H118 B	8	1	µg/l	0.316	±	0.0249	0.28	0.35	0.0235	7.4
Chloridazon-methyl-desphenyl	H118 A	10	0	µg/l	0.585	±	0.069	0.482	0.721	0.0728	12
	H118 B	9	1	µg/l	0.582	±	0.0436	0.521	0.679	0.0436	7.5
Clopyralid	H118 A	6	0	µg/l	0.486	±	0.113	0.359	0.58	0.0919	19
	H118 B	6	0	µg/l	0.806	±	0.181	0.615	0.942	0.148	18
Cyanazine	H118 A	9	1	µg/l	0.833	±	0.0544	0.722	0.895	0.0544	6.5
	H118 B	8	2	µg/l	0.538	±	0.0381	0.471	0.574	0.0359	6.7
Dimethenamide	H118 A	9	1	µg/l	0.651	±	0.0675	0.529	0.774	0.0675	10
	H118 B	9	1	µg/l	0.983	±	0.149	0.749	1.28	0.149	15
Diuron	H118 A	14	1	µg/l	0.535	±	0.0398	0.428	0.628	0.0496	9.3
	H118 B	15	0	µg/l	0.509	±	0.0425	0.4	0.575	0.0548	11
Metolachlor	H118 A	14	1	µg/l	0.623	±	0.04	0.511	0.705	0.0499	8
	H118 B	13	2	µg/l	0.779	±	0.0518	0.618	0.852	0.0623	8
N,N-Dimethylsulfamide (DMS)	H118 A	5	1	µg/l	-	±	-	0.801	1.03	-	-

Parameter	Sample	Number of results for calculation	Number of outliers	Unit	Mean	±	CI (99%)	Minimum	Maximum	sR	vR [%]
N,N-Dimethylsulfamide (DMS)	H118 B	6	0	µg/l	0.632	±	0.203	0.474	0.94	0.166	26
Nicosulfurone	H118 A	4	2	µg/l	-	±	-	0.34	0.44	-	-
	H118 B	4	2	µg/l	-	±	-	0.655	0.729	-	-
Prometryn	H118 A	9	2	µg/l	0.505	±	0.0166	0.479	0.523	0.0166	3.3
	H118 B	9	2	µg/l	0.732	±	0.0324	0.669	0.768	0.0324	4.4
Propazine	H118 A	9	1	µg/l	0.349	±	0.0284	0.301	0.392	0.0284	8.1
	H118 B	8	2	µg/l	0.568	±	0.0621	0.447	0.649	0.0586	10
Sebuthylazine	H118 A	0	0	µg/l	-	±	-	-	-	-	-
	H118 B	7	1	µg/l	0.709	±	0.0349	0.657	0.762	0.0308	4.3
Simazine	H118 A	15	1	µg/l	0.462	±	0.0392	0.38	0.548	0.0506	11
	H118 B	15	1	µg/l	0.557	±	0.0395	0.448	0.648	0.051	9.2
Terbuthylazine	H118 A	15	1	µg/l	0.262	±	0.0167	0.219	0.296	0.0216	8.2
	H118 B	14	2	µg/l	0.515	±	0.0245	0.438	0.551	0.0305	5.9
Terbuthylazine-desethyl	H118 A	13	1	µg/l	0.296	±	0.0224	0.251	0.353	0.0269	9.1
	H118 B	13	1	µg/l	0.597	±	0.0542	0.435	0.708	0.0651	11
Terbutryn	H118 A	12	2	µg/l	0.628	±	0.0342	0.569	0.706	0.0395	6.3
	H118 B	13	1	µg/l	0.332	±	0.0262	0.266	0.387	0.0315	9.5

## E7. Parameterorientierte Auswertung / Parameter oriented report

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Bromacil .....	81
Chloridazon .....	85
Chloridazon-desphenyl.....	93
Chloridazon-methyl-desphenyl .....	101
Clopyralid .....	109
Cyanazine .....	117
Dimethenamide .....	125
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Metolachlor.....	141
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Parameter oriented report Pesticides H118

Sample: H118A, Parameter: 2,6-Dichlorobenzamide

## Parameter oriented report

### H118 A

#### 2,6-Dichlorobenzamide

Unit	µg/l
Assigned value ± U (k=2)	0.936 ± 0.0508
Criterion	0.14 (15 %)
Minimum - Maximum	0.765 - 1.1
Control test value ± U (k=2)	0.989 ± 0.297

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.92	0.28	98.3	-0.11	
LC0002	1.0177	0.25443	109	0.58	
LC0003	1.21	0.21	129	1.95	H
LC0004	1.036	0.424	111	0.71	
LC0005	0.987	0.2	105	0.36	
LC0006	0.902	0.029	96.4	-0.24	
LC0007	1.101	0.385	118	1.18	
LC0008	0.765	0.022	81.7	-1.22	
LC0009	0.894	0.087	95.5	-0.3	
LC0010	-	-	-	-	
LC0011	0.91	0.182	97.2	-0.18	
LC0012	0.869	0.13	92.9	-0.48	
LC0013	0.923	0.014	98.6	-0.09	
LC0014	-	-	-	-	
LC0015	0.905	0.272	96.7	-0.22	
LC0016	-	-	-	-	

#### Characteristics of parameter

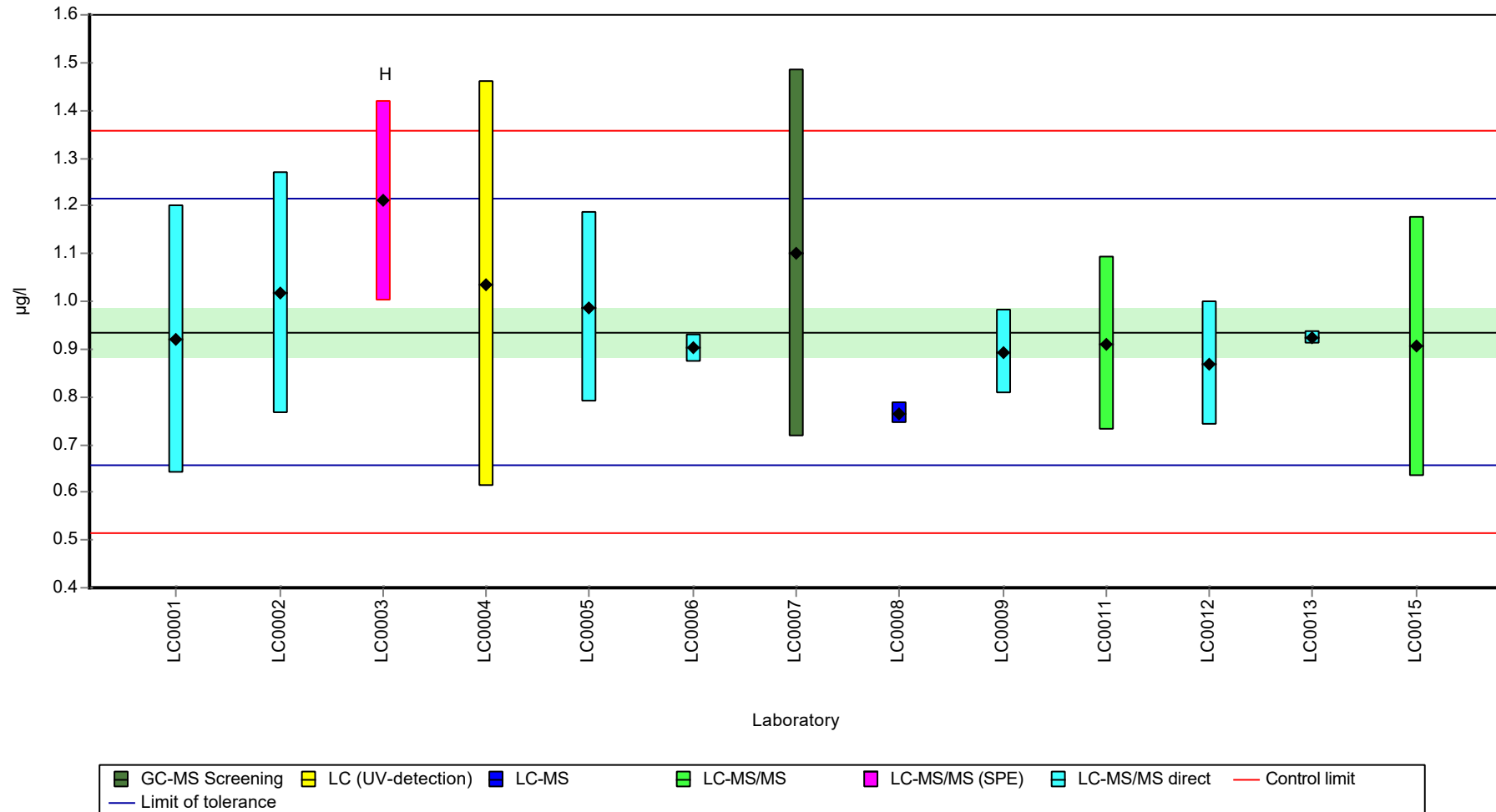
	all results	w ithout outliers	Unit
Mean ± CI (99%)	0.957 ± 0.0944	0.936 ± 0.0762	µg/l
Minimum	0.765	0.765	µg/l
Maximum	1.21	1.1	µg/l
Standard deviation	0.114	0.088	µg/l
rel. standard deviation	11.9	9.41	%
n	13	12	-

Parameter oriented report Pesticides H118

Sample: H118A, Parameter: 2,6-Dichlorobenzamide

Graphical presentation of results

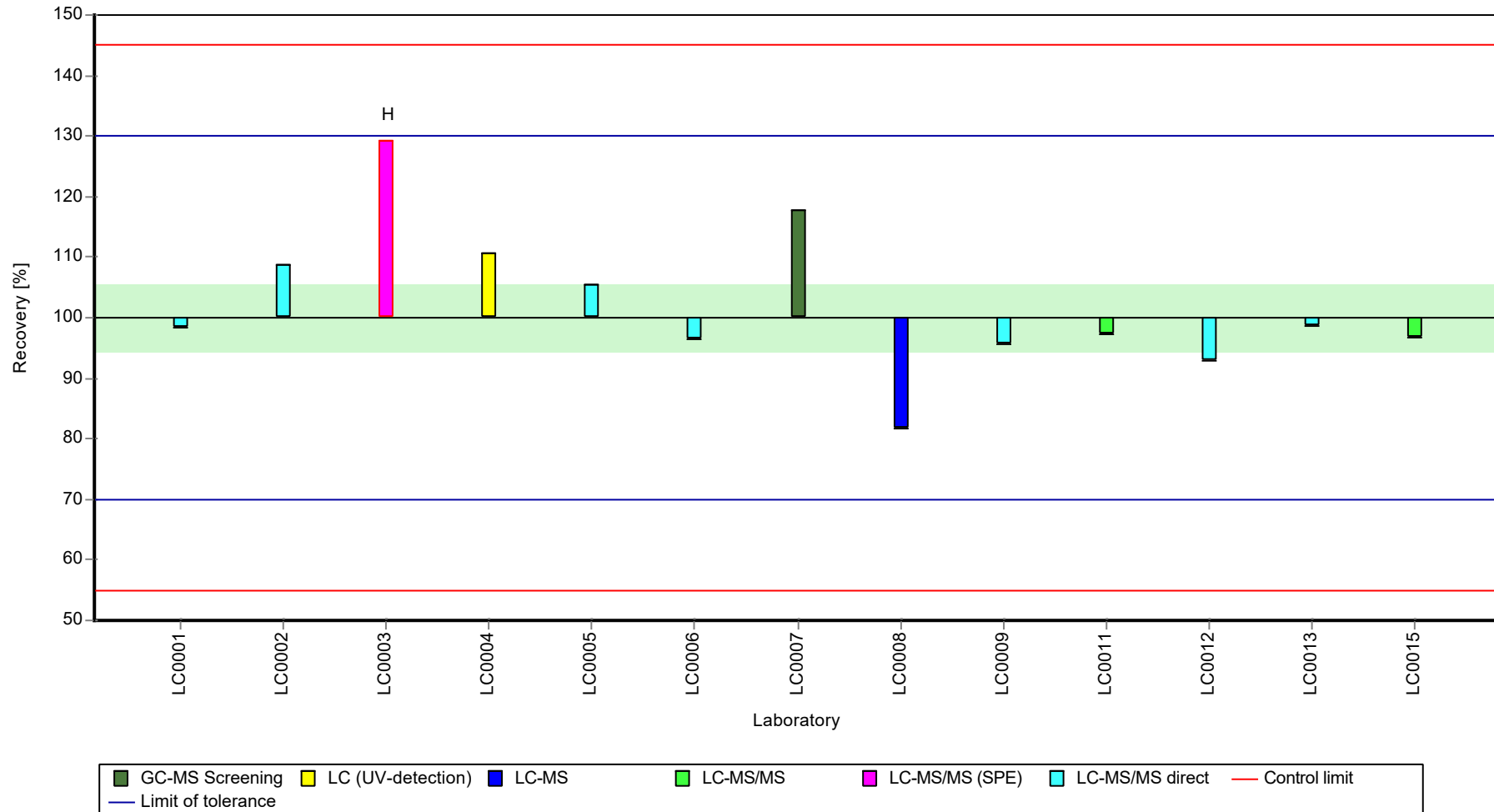
Results



Parameter oriented report Pesticides H118

Sample: H118A, Parameter: 2,6-Dichlorobenzamide

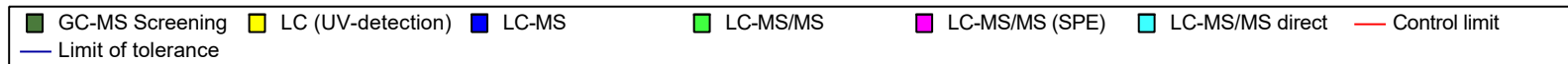
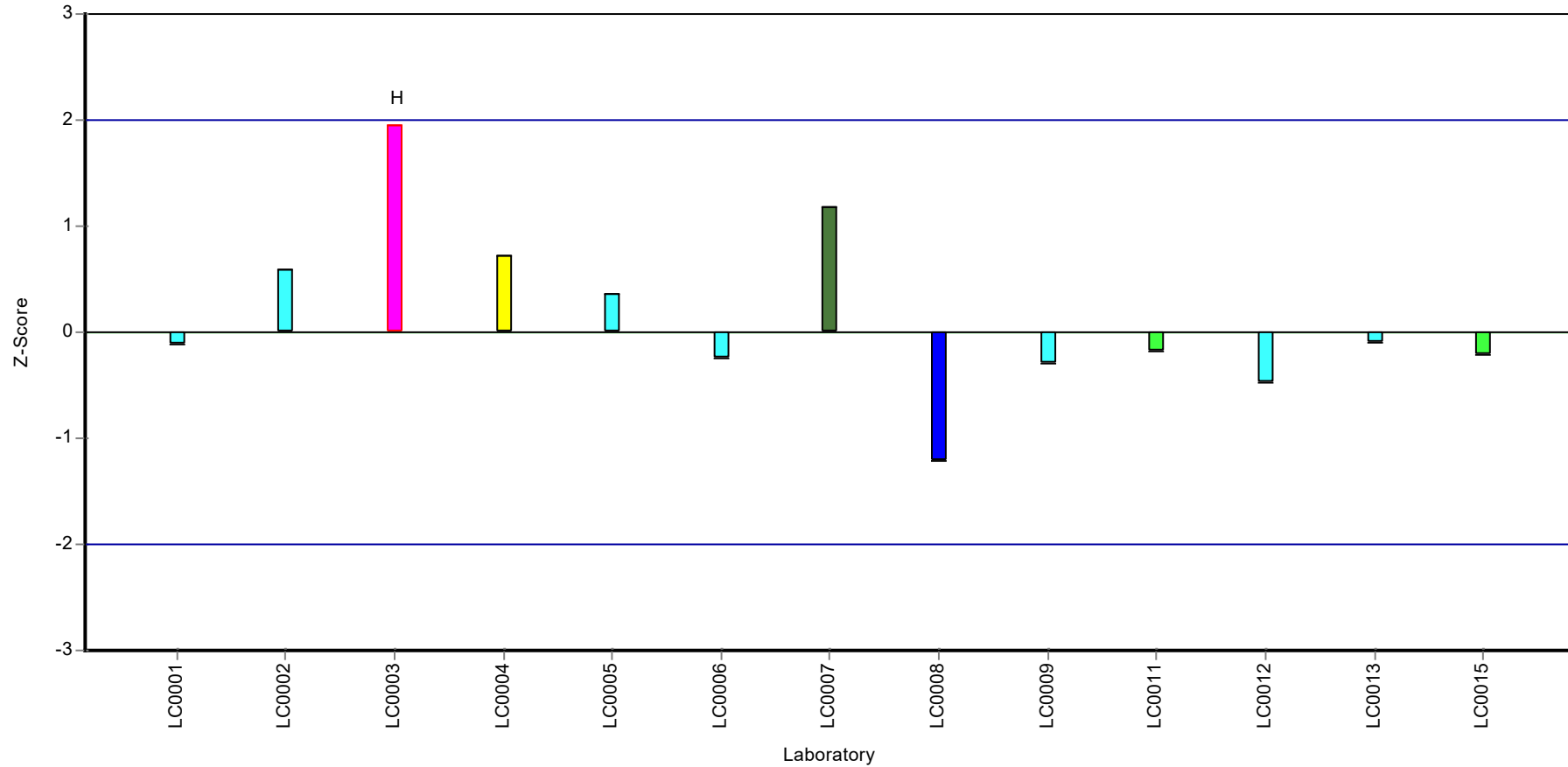
Recovery rate



Parameter oriented report Pesticides H118

Sample: H118A, Parameter: 2,6-Dichlorobenzamide

Z-score





Parameter oriented report Pesticides H118

Sample: H118B, Parameter: 2,6-Dichlorobenzamide

## Parameter oriented report

### H118 B

#### 2,6-Dichlorobenzamide

Unit	µg/l
Assigned value ± U (k=2)	0.82 ± 0.0509
Criterion	0.123 (15 %)
Minimum - Maximum	0.642 - 0.99
Control test value ± U (k=2)	0.794 ± 0.238

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.83	0.25	101	0.08	
LC0002	0.84425	0.21106	103	0.2	
LC0003	1.03	0.18	126	1.71	H
LC0004	0.935	0.382	114	0.94	
LC0005	0.842	0.17	103	0.18	
LC0006	0.789	0.029	96.3	-0.25	
LC0007	0.99	0.346	121	1.39	
LC0008	0.642	0.015	78.3	-1.45	
LC0009	0.746	0.072	91	-0.6	
LC0010	-	-	-	-	
LC0011	0.84	0.168	102	0.17	
LC0012	0.76	0.114	92.7	-0.49	
LC0013	0.809	0.012	98.7	-0.09	
LC0014	-	-	-	-	
LC0015	0.809	0.243	98.7	-0.09	
LC0016	-	-	-	-	

#### Characteristics of parameter

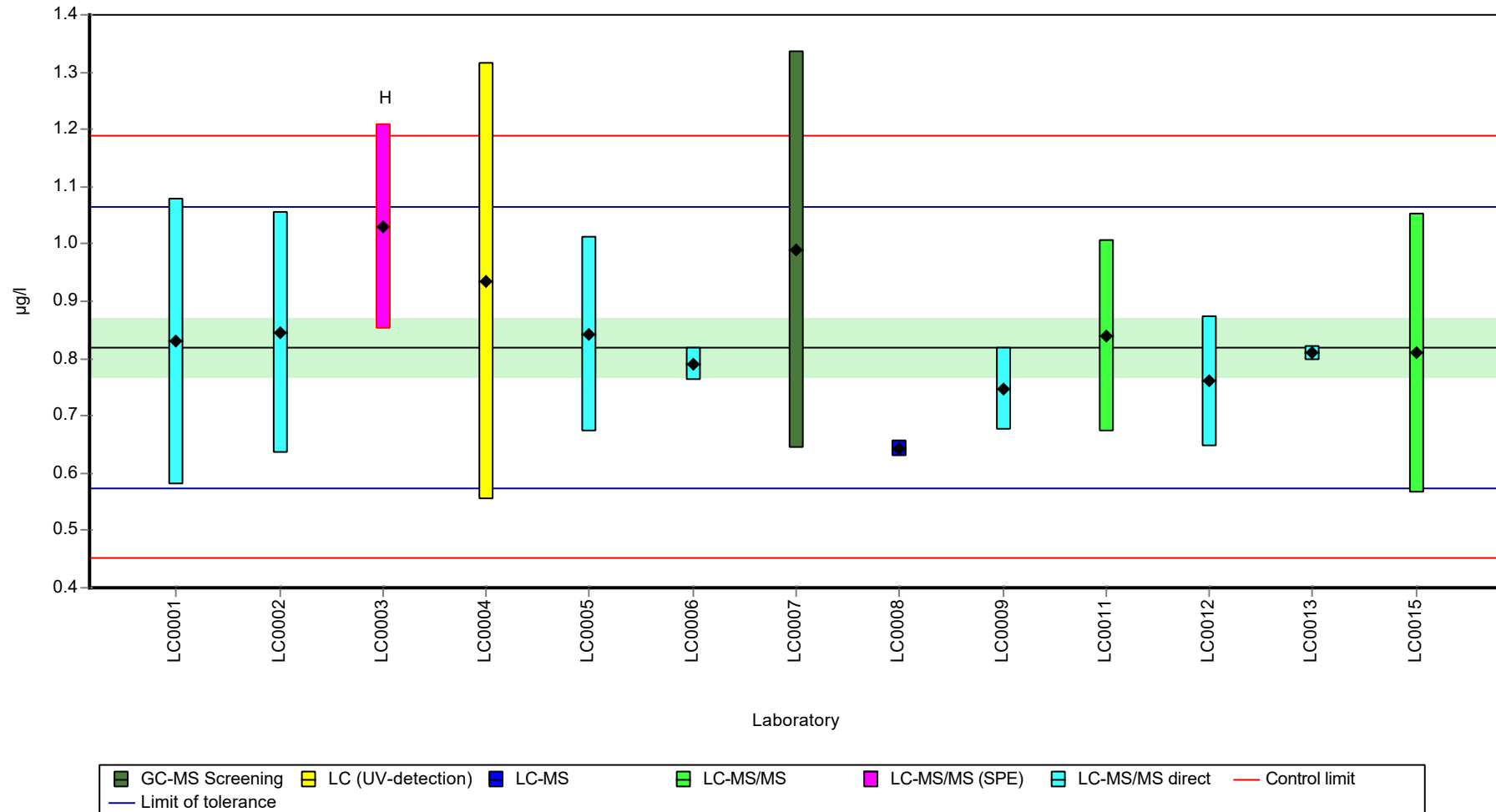
	all results	w ithout outliers	Unit
Mean ± CI (99%)	0.836 ± 0.0854	0.82 ± 0.0764	µg/l
Minimum	0.642	0.642	µg/l
Maximum	1.03	0.99	µg/l
Standard deviation	0.103	0.0882	µg/l
rel. standard deviation	12.3	10.8	%
n	13	12	-

Parameter oriented report Pesticides H118

Sample: H118B, Parameter: 2,6-Dichlorobenzamide

Graphical presentation of results

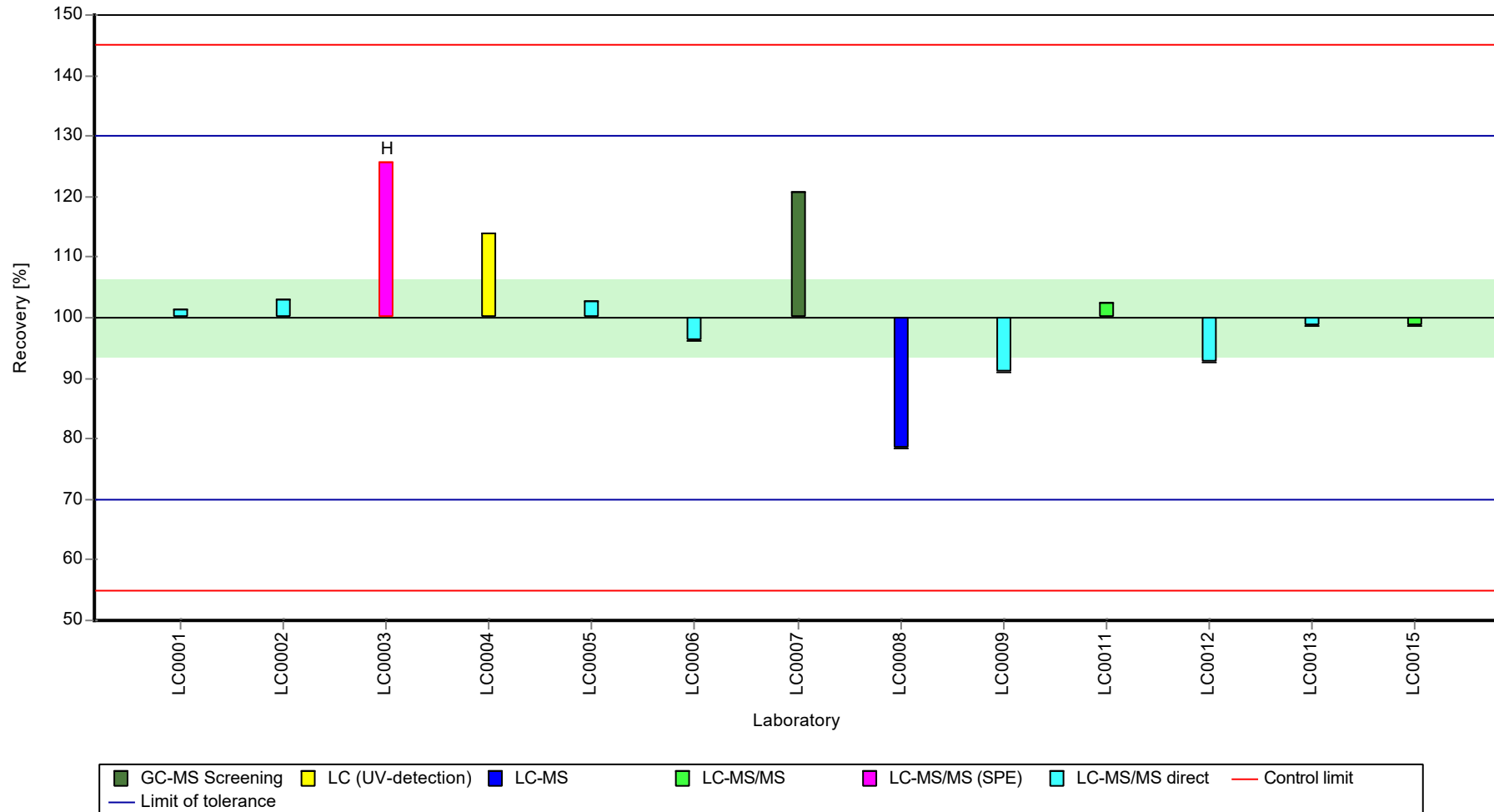
Results



Parameter oriented report Pesticides H118

Sample: H118B, Parameter: 2,6-Dichlorobenzamide

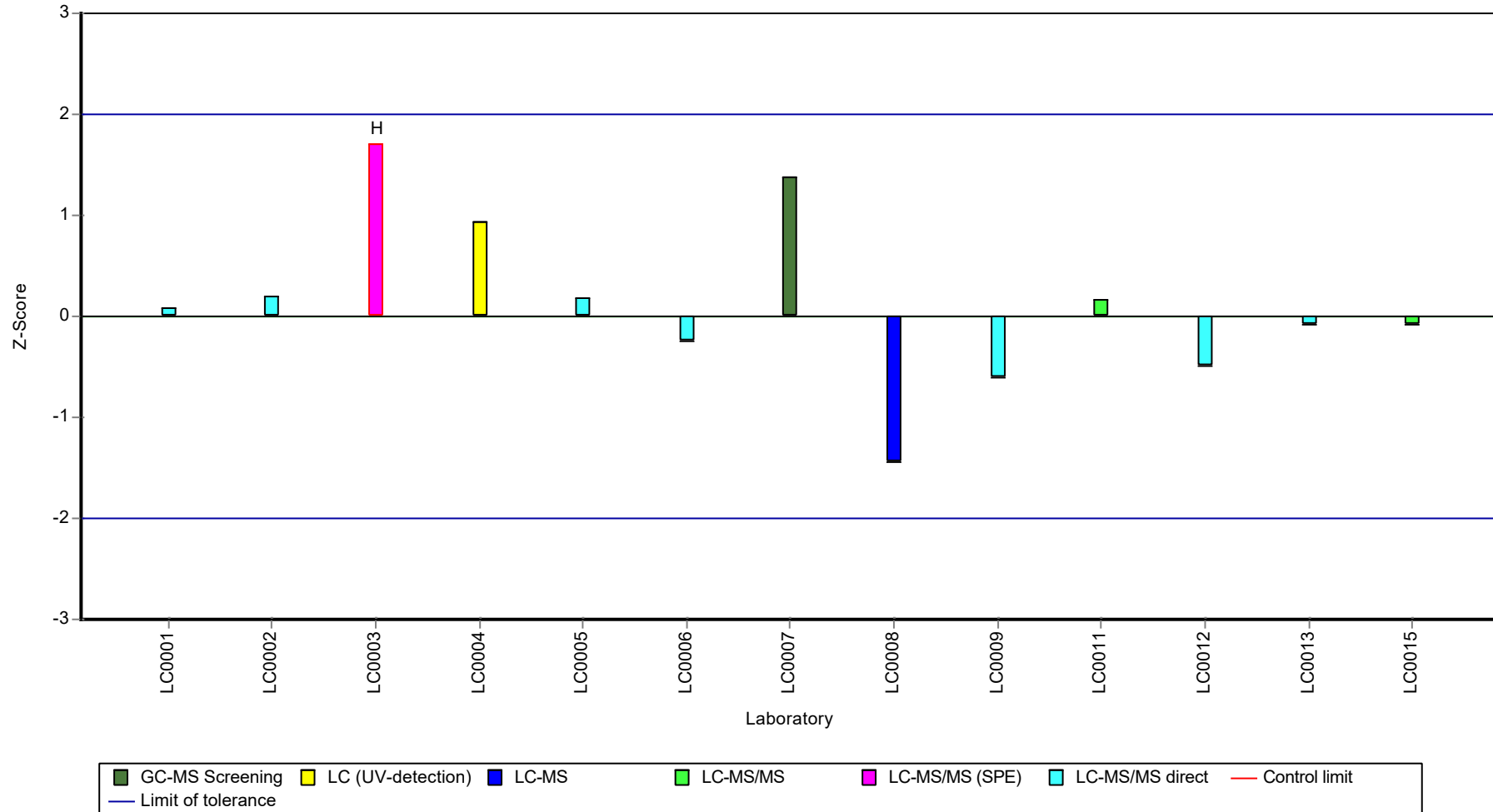
Recovery rate



Parameter oriented report Pesticides H118

Sample: H118B, Parameter: 2,6-Dichlorobenzamide

Z-score



Parameter oriented report Pesticides H118

Sample: H118A, Parameter: Alachlor

## Parameter oriented report

### H118 A

#### Alachlor

Unit	µg/l
Assigned value ± U (k=2)	0.646 ± 0.0421
Criterion	0.0775 (12 %)
Minimum - Maximum	0.498 - 0.709
Control test value ± U (k=2)	0.741 ± 0.111

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.702	0.21	109	0.72	
LC0002	-	-	-	-	
LC0003	0.627	0.094	97	-0.25	
LC0004	-	-	-	-	
LC0005	0.677	0.14	105	0.4	
LC0006	0.682	0.037	106	0.46	
LC0007	-	-	-	-	
LC0008	0.498	0.018	77.1	-1.91	
LC0009	-	-	-	-	
LC0010	0.65	0.0975	101	0.05	
LC0011	0.305	0.061	47.2	-4.4	H
LC0012	0.709	0.106	110	0.81	
LC0013	0.632	0.013	97.8	-0.18	
LC0014	0.638	0.094	98.7	-0.1	
LC0015	-	-	-	-	
LC0016	-	-	-	-	

#### Characteristics of parameter

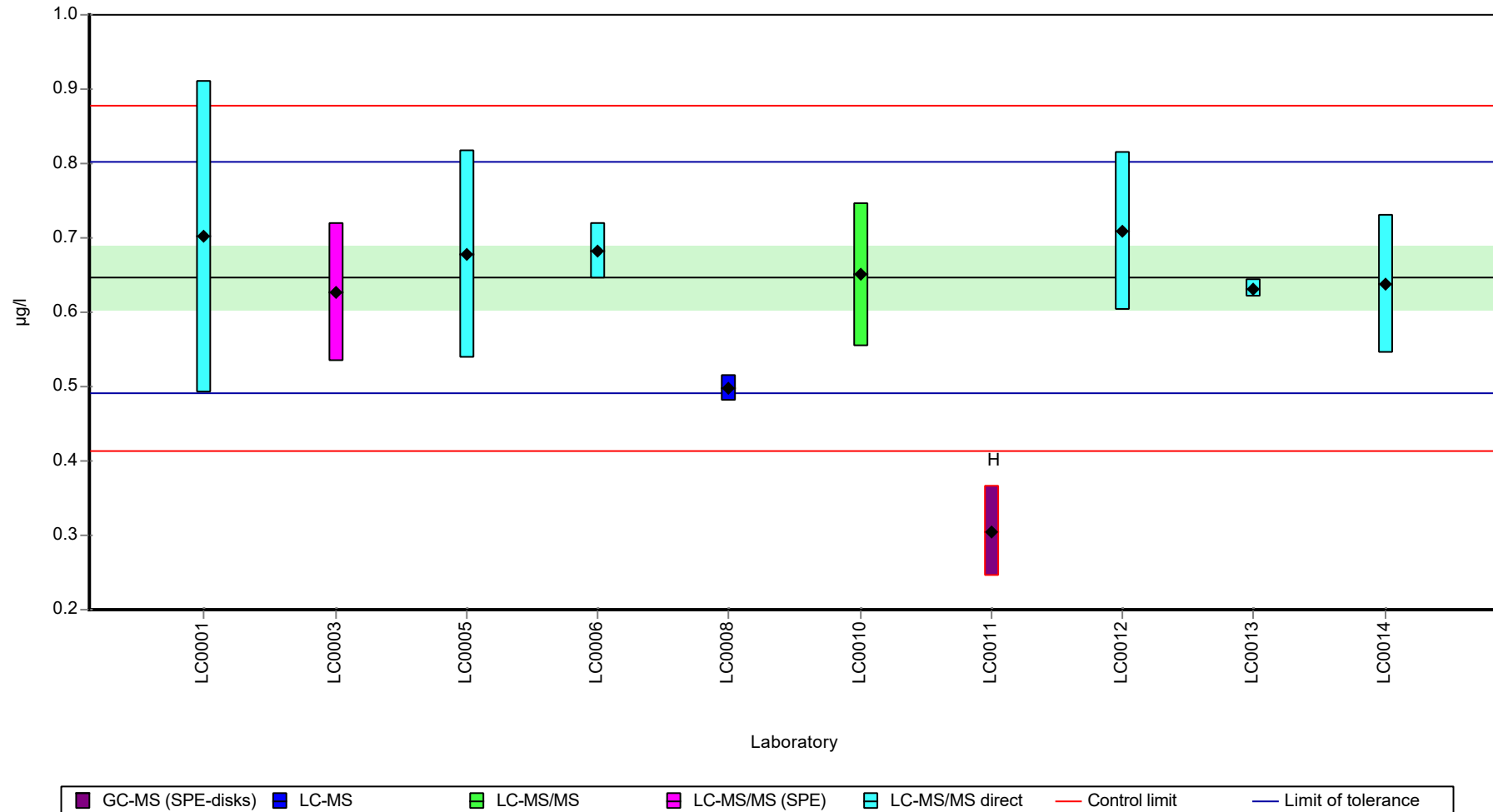
	all results	w ithout outliers	Unit
Mean ± CI (99%)	0.612 ± 0.117	0.646 ± 0.0632	µg/l
Minimum	0.305	0.498	µg/l
Maximum	0.709	0.709	µg/l
Standard deviation	0.123	0.0632	µg/l
rel. standard deviation	20.1	9.77	%
n	10	9	-

Parameter oriented report Pesticides H118

Sample: H118A, Parameter: Alachlor

Graphical presentation of results

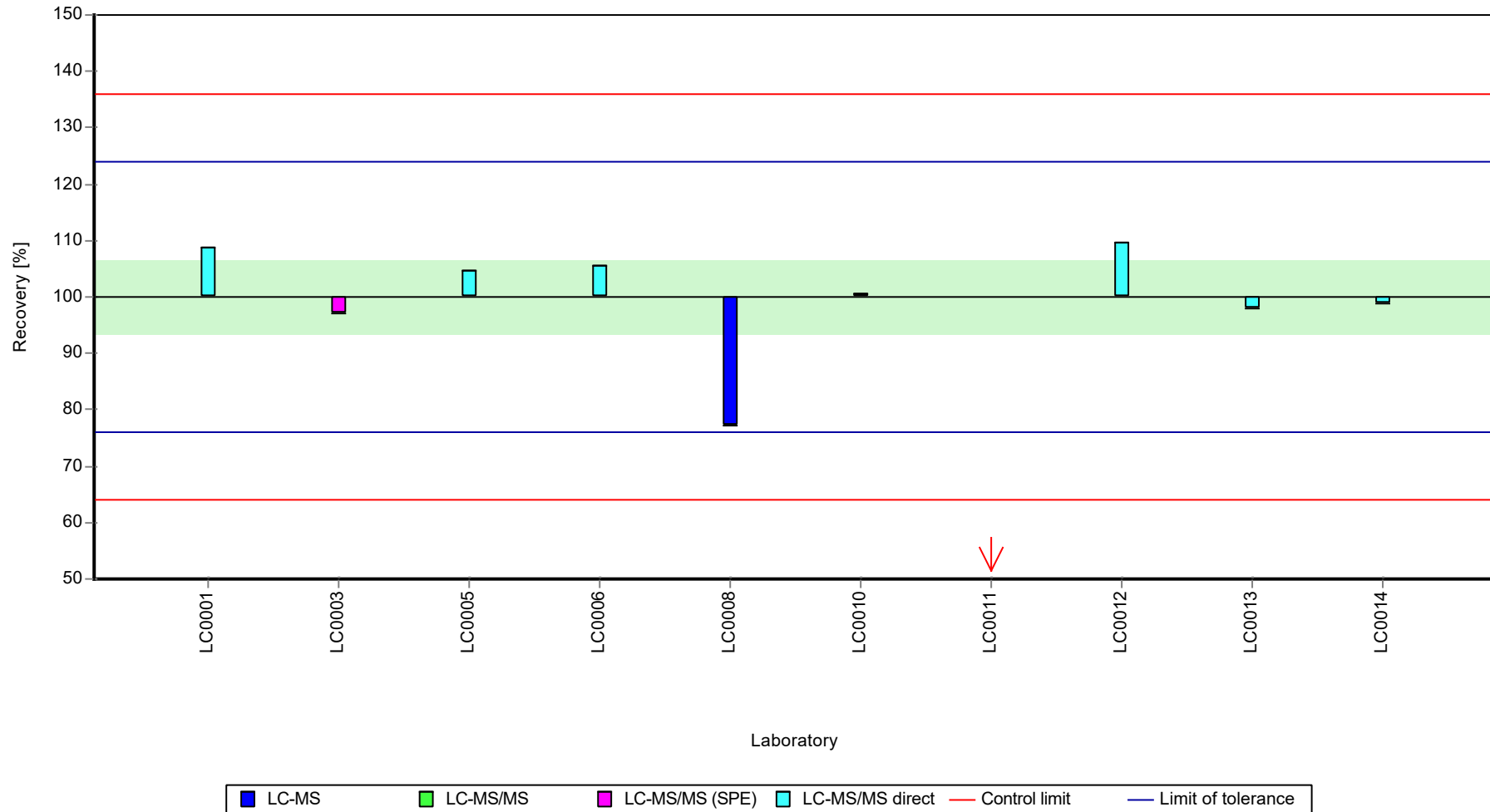
Results



Parameter oriented report Pesticides H118

Sample: H118A, Parameter: Alachlor

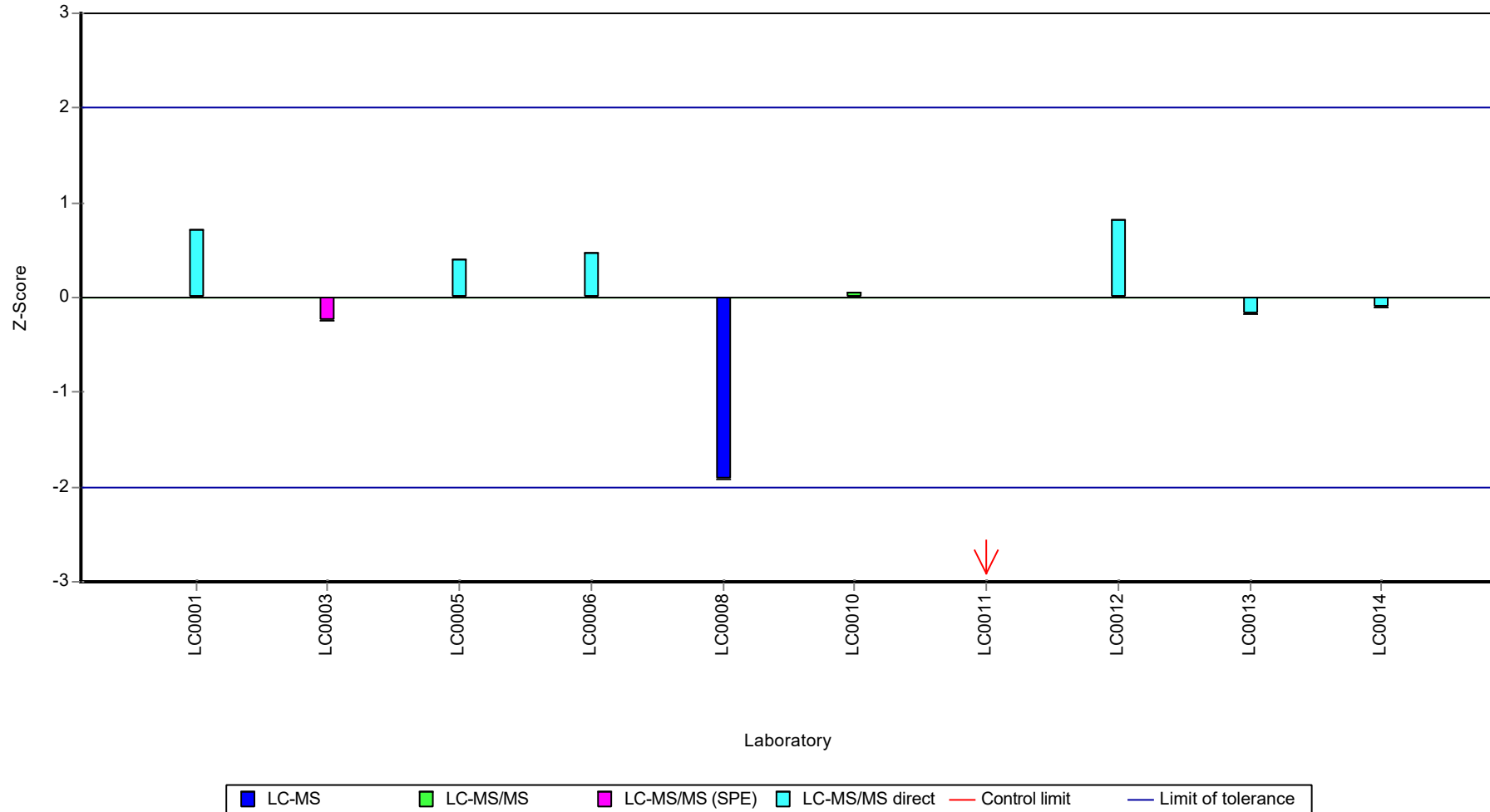
Recovery rate



Parameter oriented report Pesticides H118

Sample: H118A, Parameter: Alachlor

Z-score





Parameter oriented report Pesticides H118

Sample: H118B, Parameter: Alachlor

## Parameter oriented report

### H118 B

#### Alachlor

Unit	µg/l
Assigned value ± U (k=2)	0.822 ± 0.0302
Criterion	0.0986 (12 %)
Minimum - Maximum	0.76 - 0.884
Control test value ± U (k=2)	0.860 ± 0.129

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.884	0.27	108	0.63	
LC0002	-	-	-	-	
LC0003	0.76	0.114	92.5	-0.63	
LC0004	-	-	-	-	
LC0005	0.828	0.17	101	0.06	
LC0006	0.832	0.036	101	0.1	
LC0007	-	-	-	-	
LC0008	0.6	0.002	73	-2.25	H
LC0009	-	-	-	-	
LC0010	0.7843	0.1176	95.4	-0.38	
LC0011	0.381	0.076	46.4	-4.47	H
LC0012	0.871	0.131	106	0.5	
LC0013	0.827	0.045	101	0.05	
LC0014	0.789	0.117	96	-0.33	
LC0015	-	-	-	-	
LC0016	-	-	-	-	

#### Characteristics of parameter

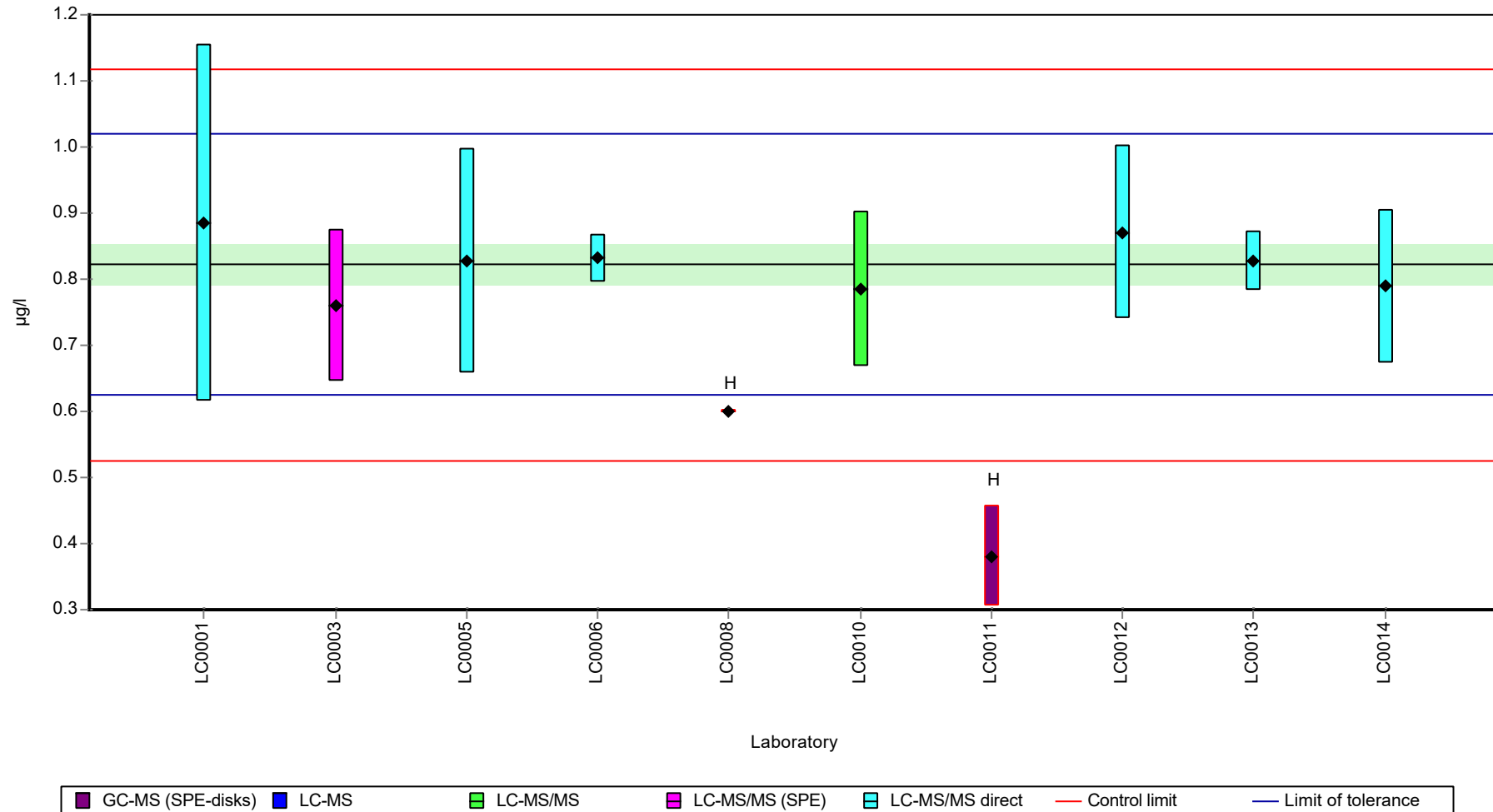
	all results	w ithout outliers	Unit
Mean ± CI (99%)	0.756 ± 0.146	0.822 ± 0.0453	µg/l
Minimum	0.381	0.76	µg/l
Maximum	0.884	0.884	µg/l
Standard deviation	0.154	0.0427	µg/l
rel. standard deviation	20.3	5.19	%
n	10	8	-

Parameter oriented report Pesticides H118

Sample: H118B, Parameter: Alachlor

Graphical presentation of results

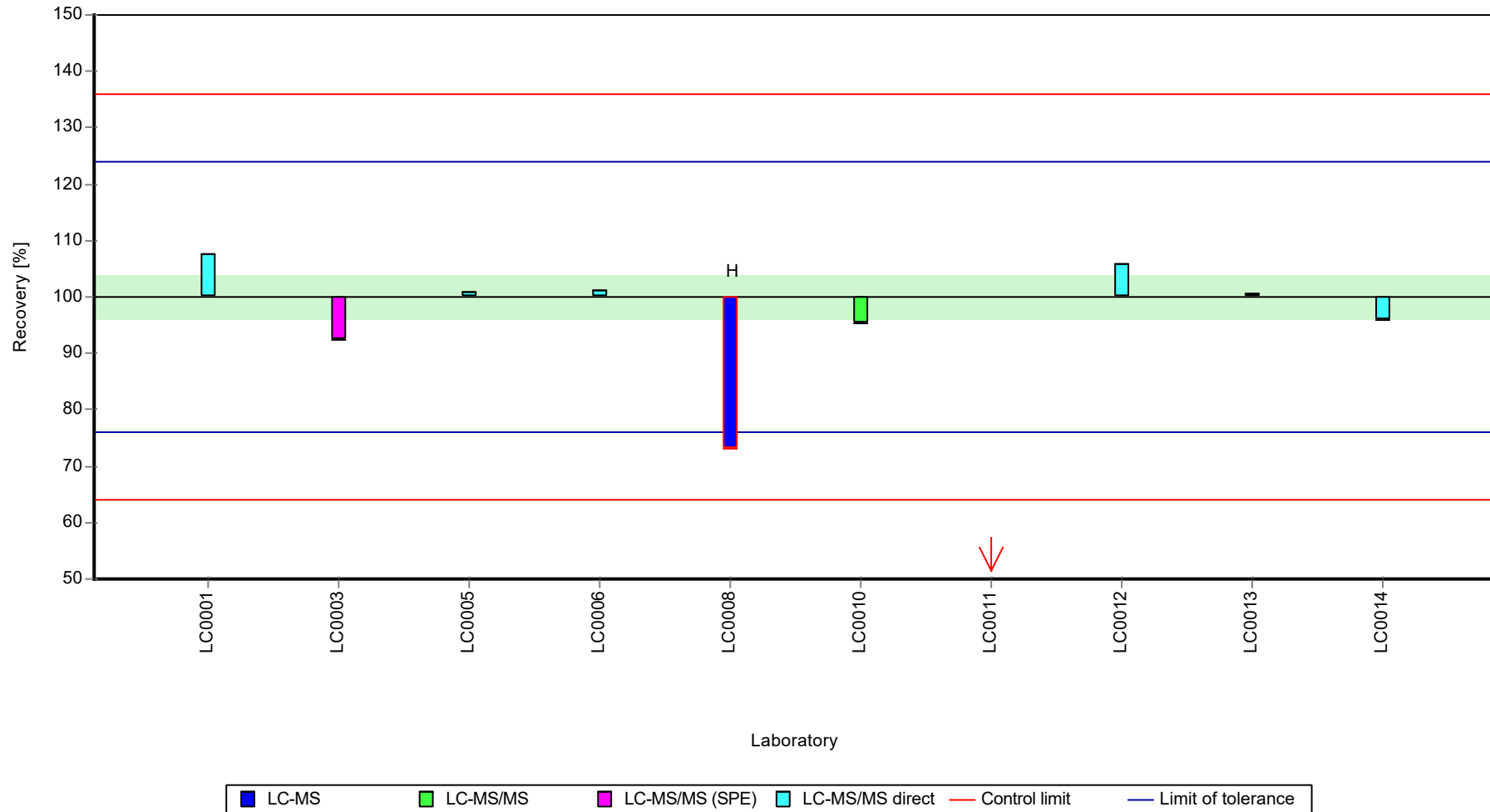
Results



Parameter oriented report Pesticides H118

Sample: H118B, Parameter: Alachlor

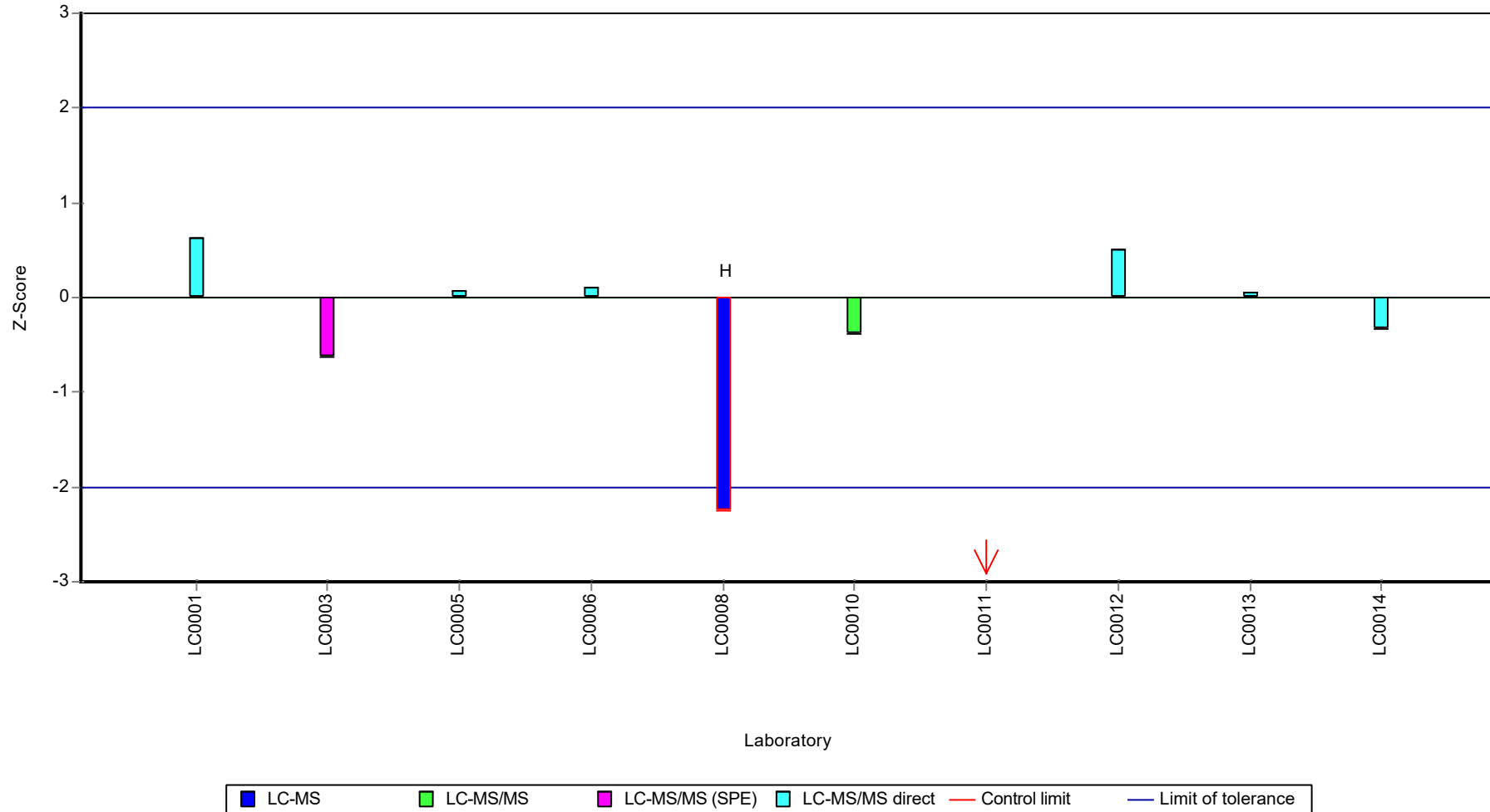
Recovery rate



Parameter oriented report Pesticides H118

Sample: H118B, Parameter: Alachlor

Z-score



Parameter oriented report Pesticides H118

Sample: H118A, Parameter: Atrazine

## Parameter oriented report

### H118 A

#### Atrazine

Unit	µg/l
Assigned value ± U (k=2)	0.605 ± 0.0286
Criterion	0.0666 (11 %)
Minimum - Maximum	0.505 - 0.679
Control test value ± U (k=2)	0.648 ± 0.162

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.6	0.18	99.1	-0.08	
LC0002	1.0128	0.2532	167	6.12	H
LC0003	0.622	0.078	103	0.25	
LC0004	0.619	0.16	102	0.21	
LC0005	0.582	0.087	96.1	-0.35	
LC0006	0.606	0.029	100	0.01	
LC0007	0.675	0.311	112	1.05	
LC0008	0.505	0.021	83.4	-1.51	
LC0009	0.506	0.065	83.6	-1.49	
LC0010	0.6573	0.0986	109	0.78	
LC0011	0.303	0.061	50.1	-4.54	H
LC0012	0.633	0.095	105	0.42	
LC0013	0.592	0.007	97.8	-0.2	
LC0014	0.632	0.053	104	0.4	
LC0015	0.566	0.17	93.5	-0.59	
LC0016	0.6791	0.00044	112	1.11	

#### Characteristics of parameter

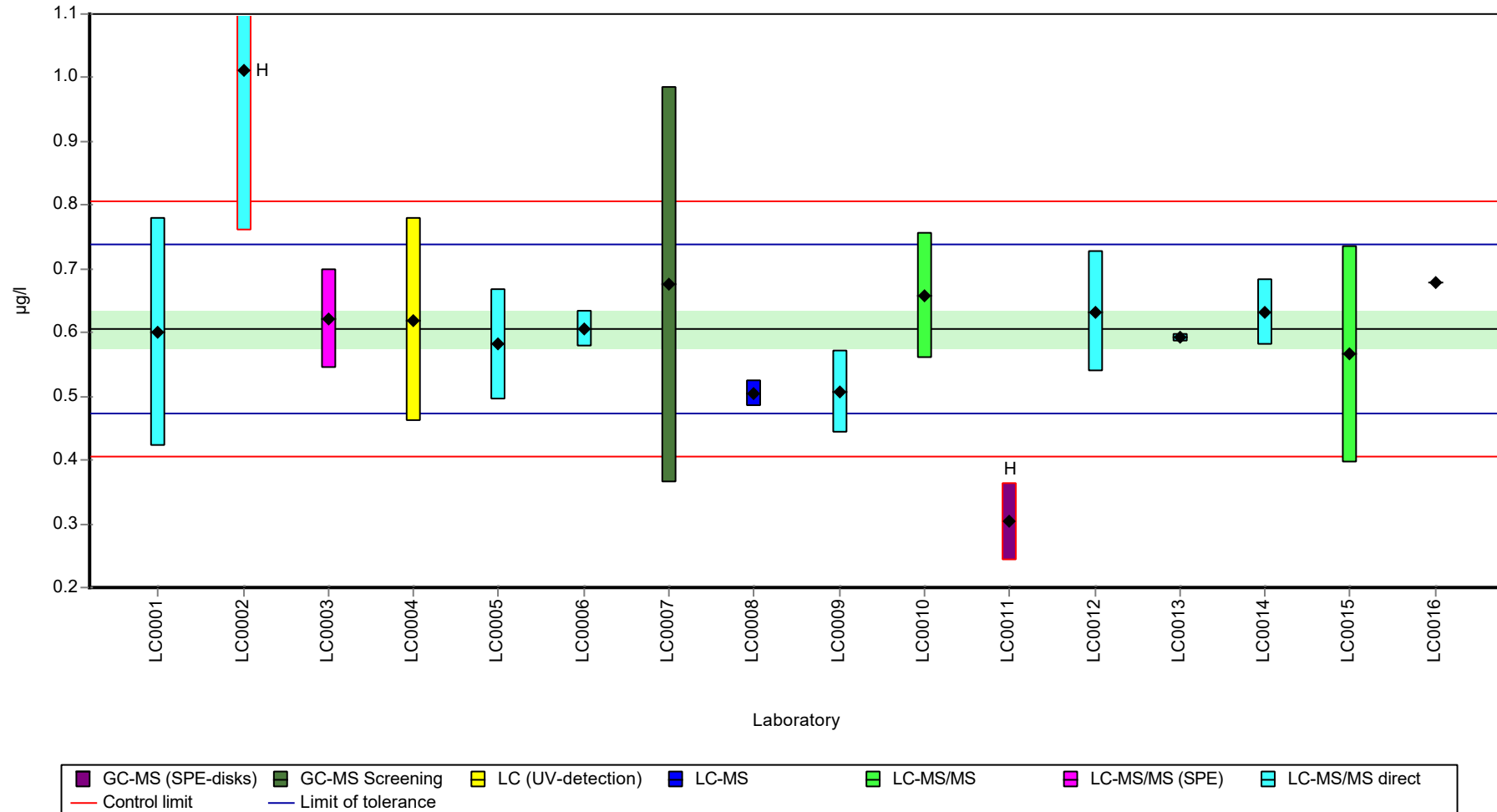
	all results	w ithout outliers	Unit
Mean ± CI (99%)	0.612 ± 0.105	0.605 ± 0.0429	µg/l
Minimum	0.303	0.505	µg/l
Maximum	1.01	0.679	µg/l
Standard deviation	0.14	0.0535	µg/l
rel. standard deviation	22.9	8.83	%
n	16	14	-

Parameter oriented report Pesticides H118

Sample: H118A, Parameter: Atrazine

Graphical presentation of results

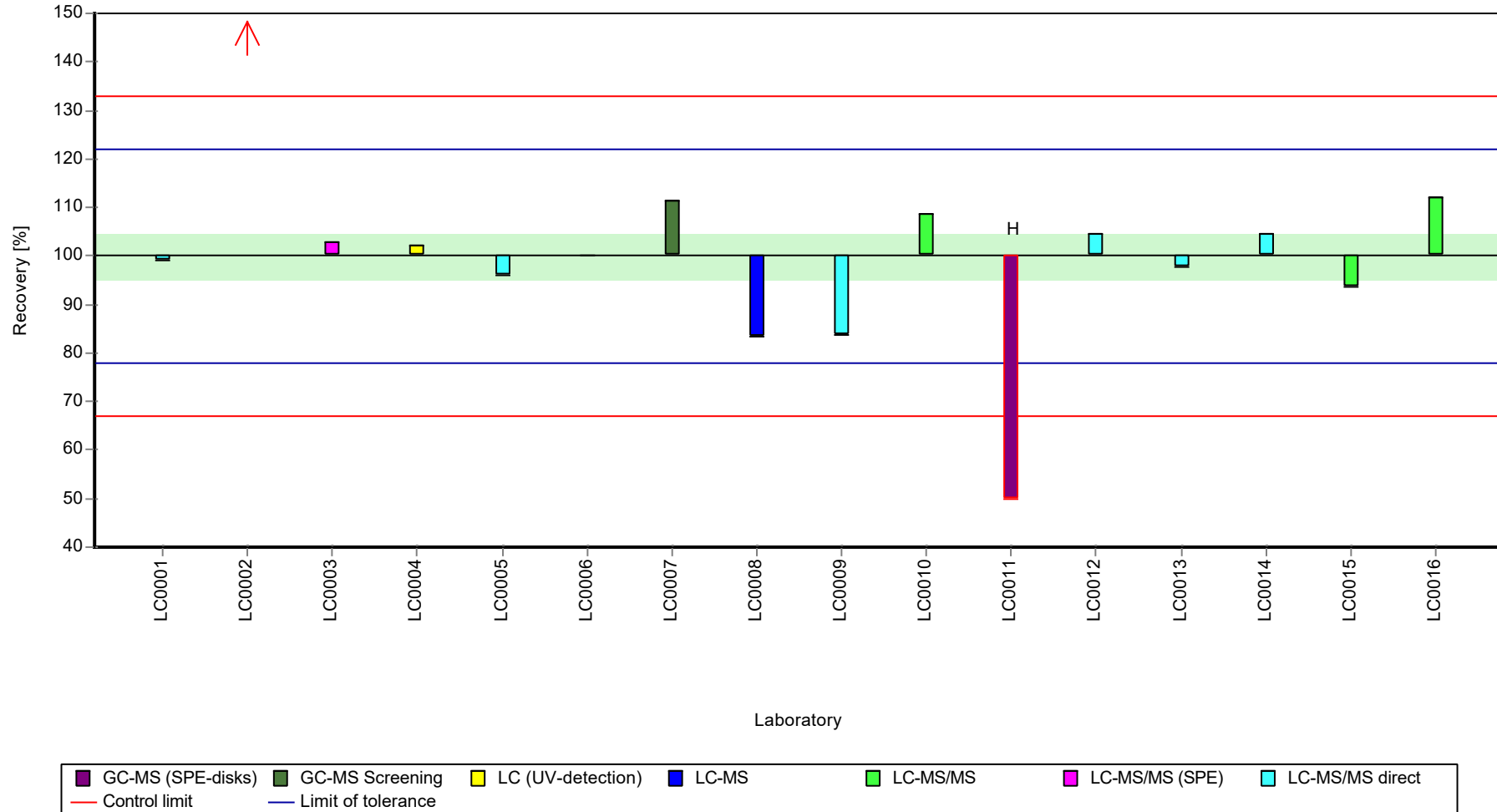
Results



Parameter oriented report Pesticides H118

Sample: H118A, Parameter: Atrazine

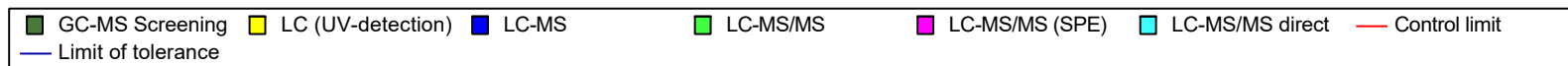
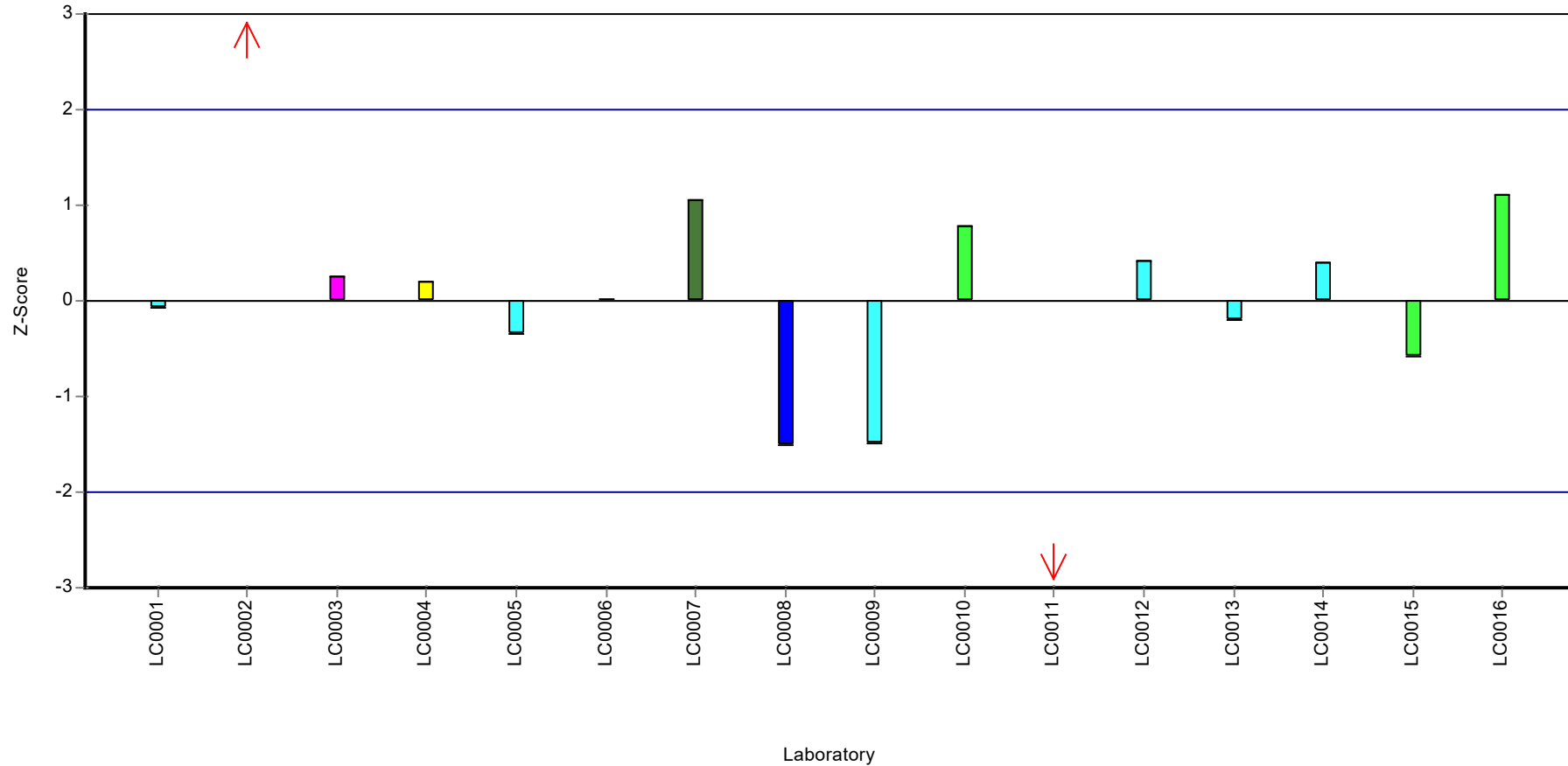
Recovery rate



Parameter oriented report Pesticides H118

Sample: H118A, Parameter: Atrazine

Z-score





## Parameter oriented report

### H118 B

#### Atrazine

Unit	µg/l
Assigned value ± U (k=2)	0.837 ± 0.0256
Criterion	0.0921 (11 %)
Minimum - Maximum	0.737 - 0.92
Control test value ± U (k=2)	0.882 ± 0.22

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.8	0.24	95.6	-0.4	
LC0002	0.9202	0.23005	110	0.9	
LC0003	0.83	0.104	99.2	-0.08	
LC0004	0.837	0.217	100	0	
LC0005	0.793	0.12	94.7	-0.48	
LC0006	0.863	0.029	103	0.28	
LC0007	0.841	0.387	100	0.04	
LC0008	0.647	0.013	77.3	-2.06	H
LC0009	0.792	0.065	94.6	-0.49	
LC0010	0.8261	0.1239	98.7	-0.12	
LC0011	0.408	0.082	48.7	-4.66	H
LC0012	0.887	0.133	106	0.54	
LC0013	0.837	0.028	100	0	
LC0014	0.855	0.072	102	0.2	
LC0015	0.737	0.221	88.1	-1.09	
LC0016	0.8992	0.00058	107	0.68	

#### Characteristics of parameter

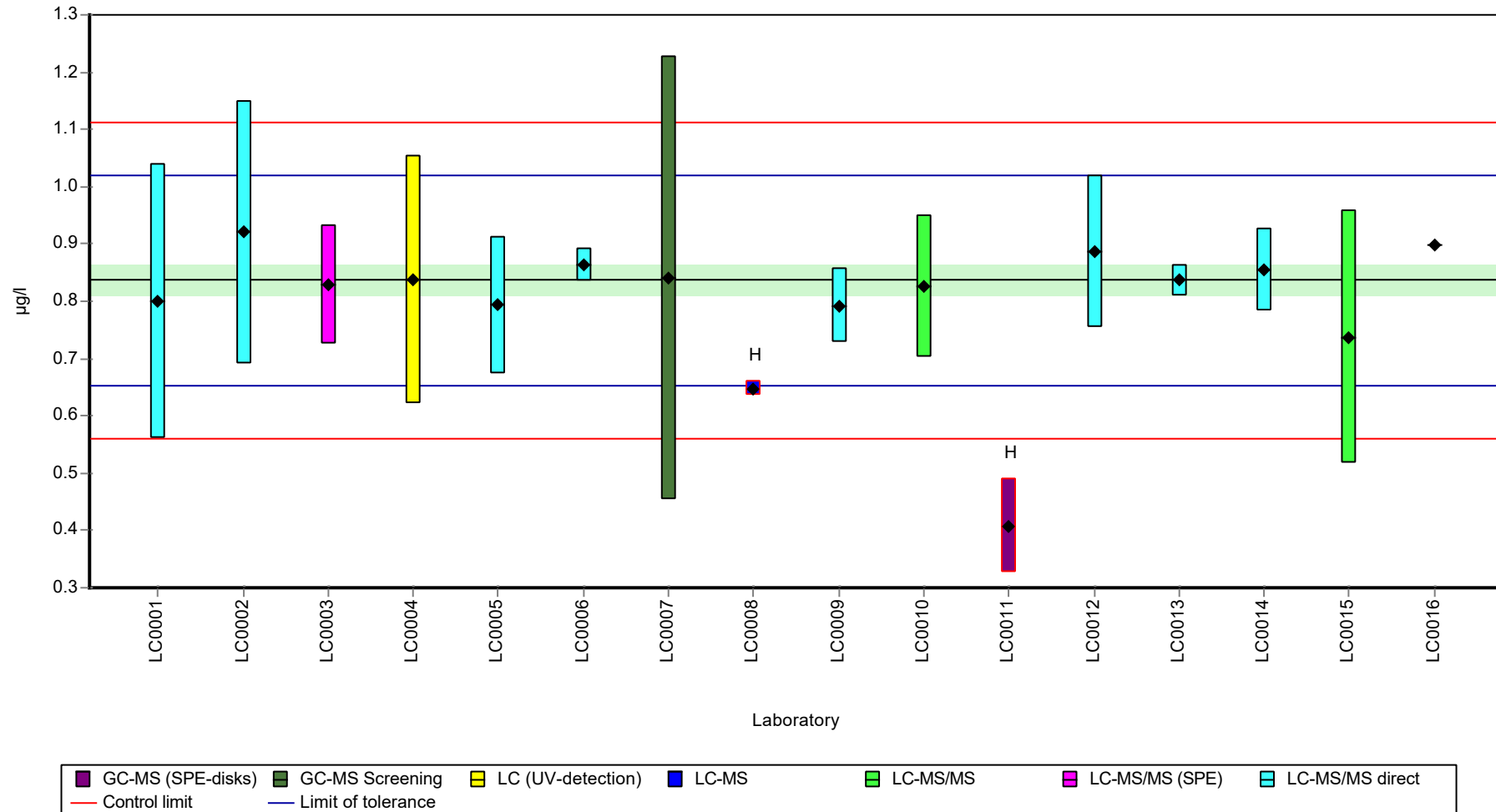
	all results	w ithout outliers	Unit
Mean ± CI (99%)	0.798 ± 0.0921	0.837 ± 0.0384	µg/l
Minimum	0.408	0.737	µg/l
Maximum	0.92	0.92	µg/l
Standard deviation	0.123	0.0479	µg/l
rel. standard deviation	15.4	5.72	%
n	16	14	-

Parameter oriented report Pesticides H118

Sample: H118B, Parameter: Atrazine

Graphical presentation of results

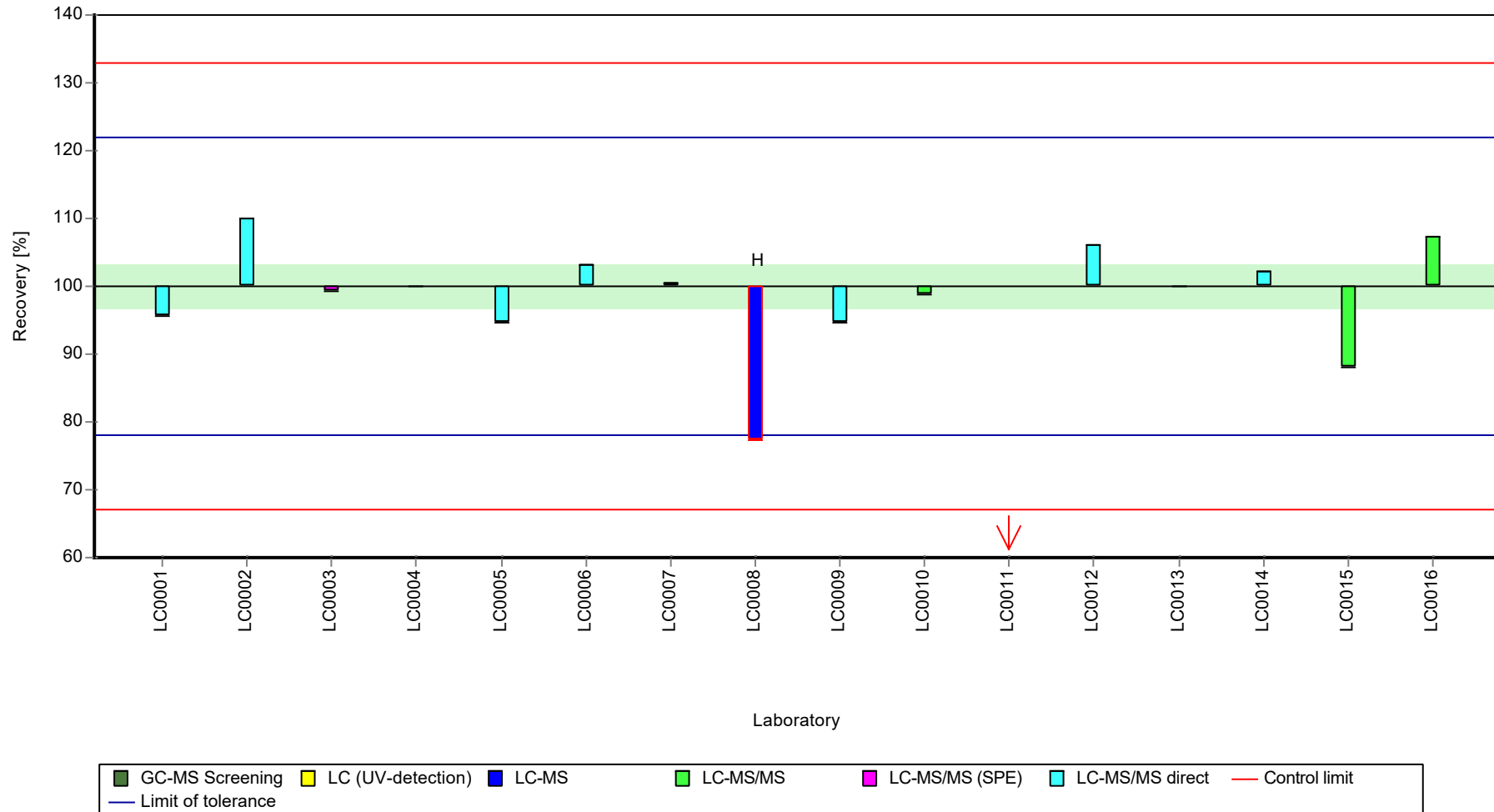
Results



Parameter oriented report Pesticides H118

Sample: H118B, Parameter: Atrazine

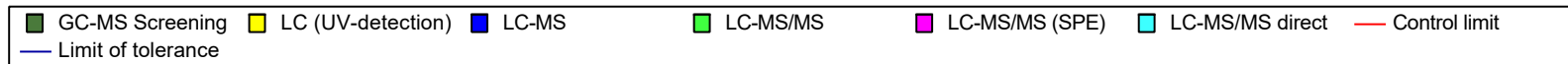
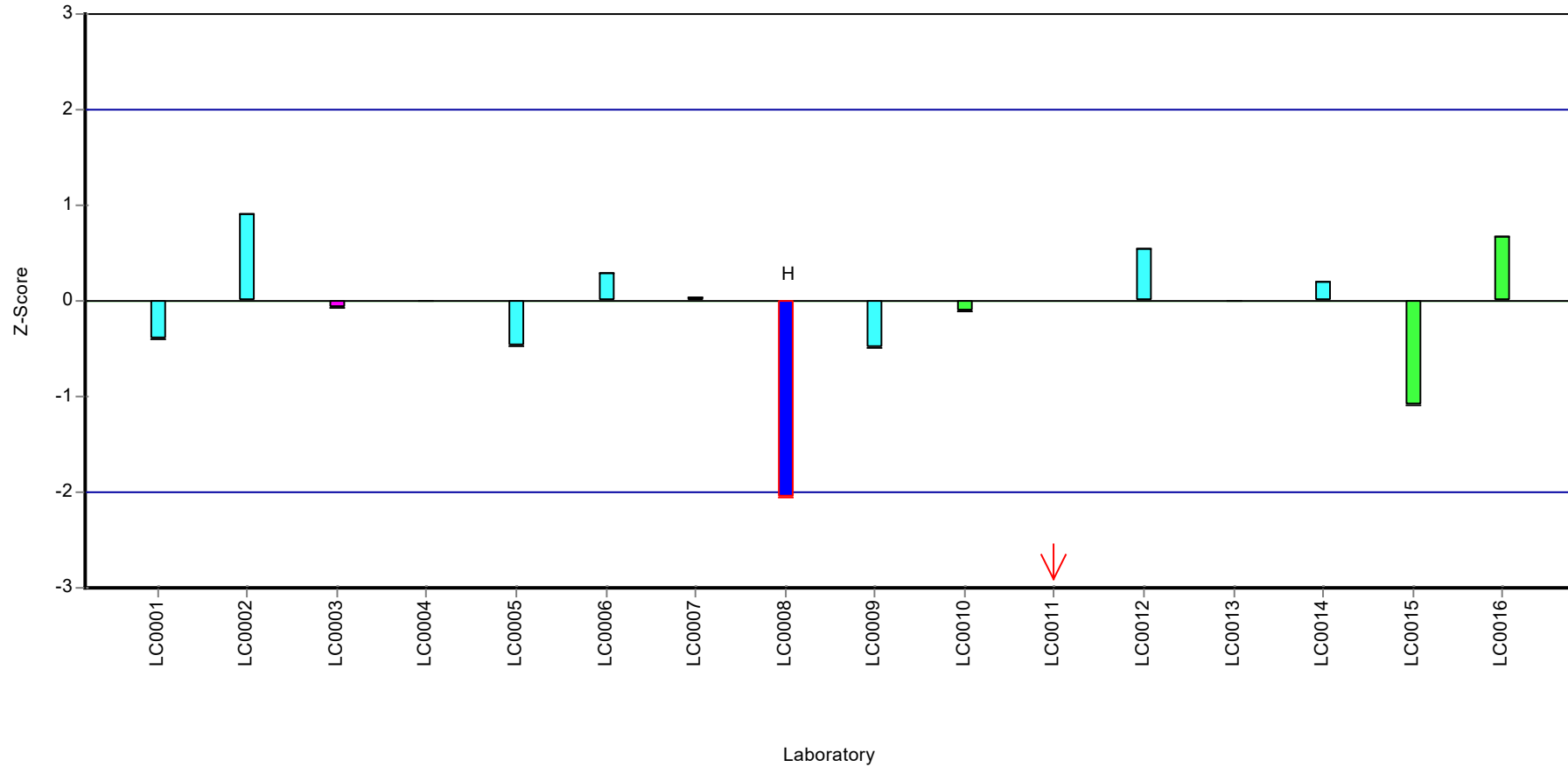
Recovery rate



Parameter oriented report Pesticides H118

Sample: H118B, Parameter: Atrazine

Z-score



Parameter oriented report Pesticides H118

Sample: H118A, Parameter: Atrazine-desethyl

## Parameter oriented report

### H118 A

#### Atrazine-desethyl

Unit	µg/l
Assigned value ± U (k=2)	0.449 ± 0.0244
Criterion	0.0539 (12 %)
Minimum - Maximum	0.389 - 0.532
Control test value ± U (k=2)	0.434 ± 0.0868

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.46	0.14	102	0.21	
LC0002	0.45	0.1125	100	0.02	
LC0003	0.531	0.08	118	1.52	
LC0004	0.421	0.1	93.8	-0.52	
LC0005	0.451	0.068	100	0.04	
LC0006	0.438	0.011	97.6	-0.2	
LC0007	0.48	0.158	107	0.58	
LC0008	0.39	0.018	86.9	-1.09	
LC0009	0.419	0.109	93.3	-0.55	
LC0010	0.4579	0.0687	102	0.17	
LC0011	0.253	0.051	56.4	-3.64	H
LC0012	0.394	0.059	87.8	-1.02	
LC0013	0.389	0.022	86.7	-1.11	
LC0014	0.472	0.035	105	0.43	
LC0015	-	-	-	-	
LC0016	0.5315	0.00056	118	1.53	

#### Characteristics of parameter

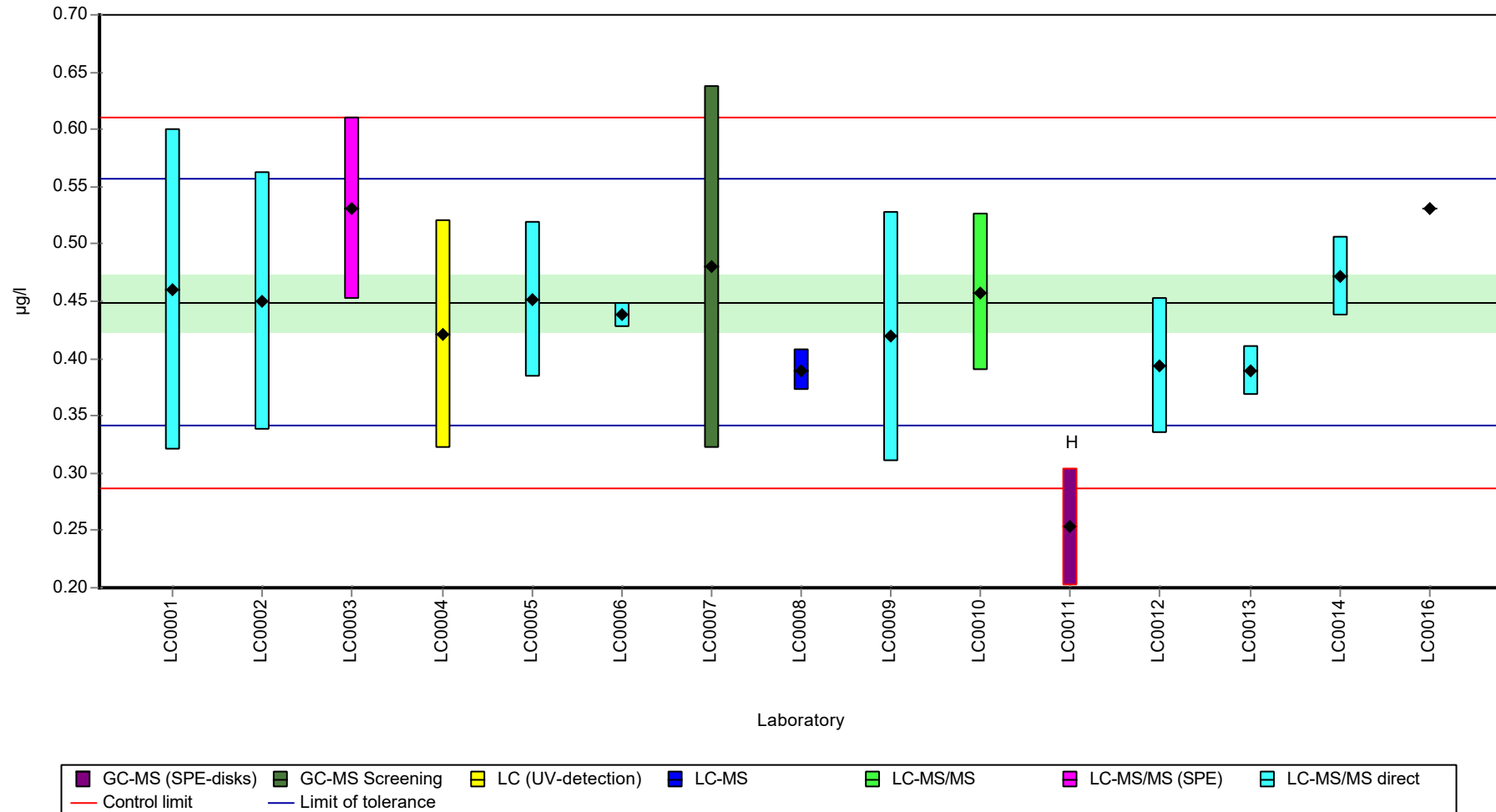
	all results	w ithout outliers	Unit
Mean ± CI (99%)	0.436 ± 0.0519	0.449 ± 0.0366	µg/l
Minimum	0.253	0.389	µg/l
Maximum	0.532	0.532	µg/l
Standard deviation	0.0671	0.0457	µg/l
rel. standard deviation	15.4	10.2	%
n	15	14	-

Parameter oriented report Pesticides H118

Sample: H118A, Parameter: Atrazine-desethyl

Graphical presentation of results

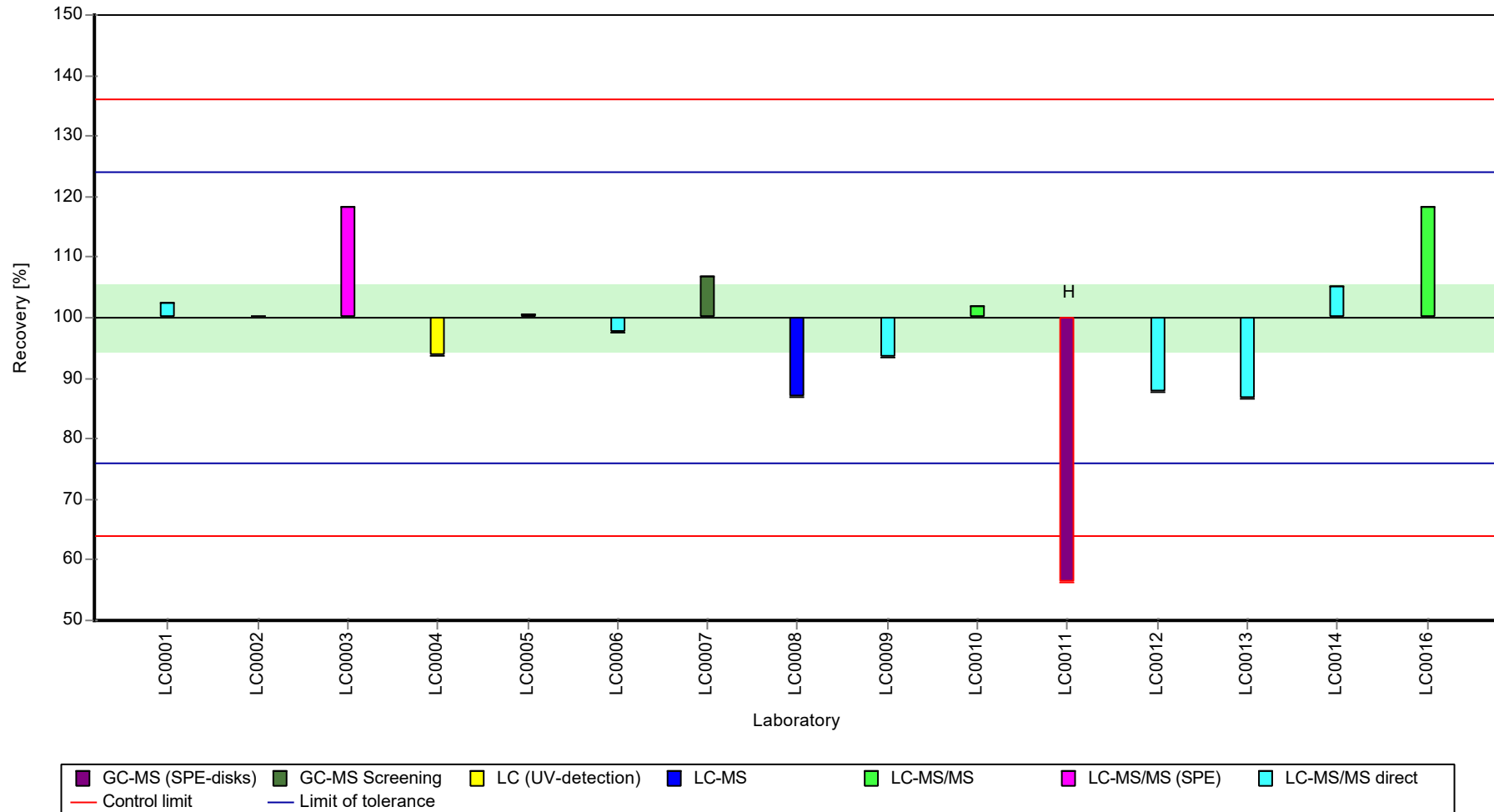
Results



Parameter oriented report Pesticides H118

Sample: H118A, Parameter: Atrazine-desethyl

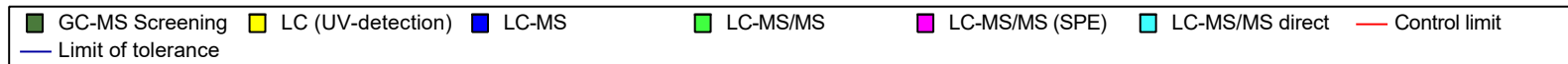
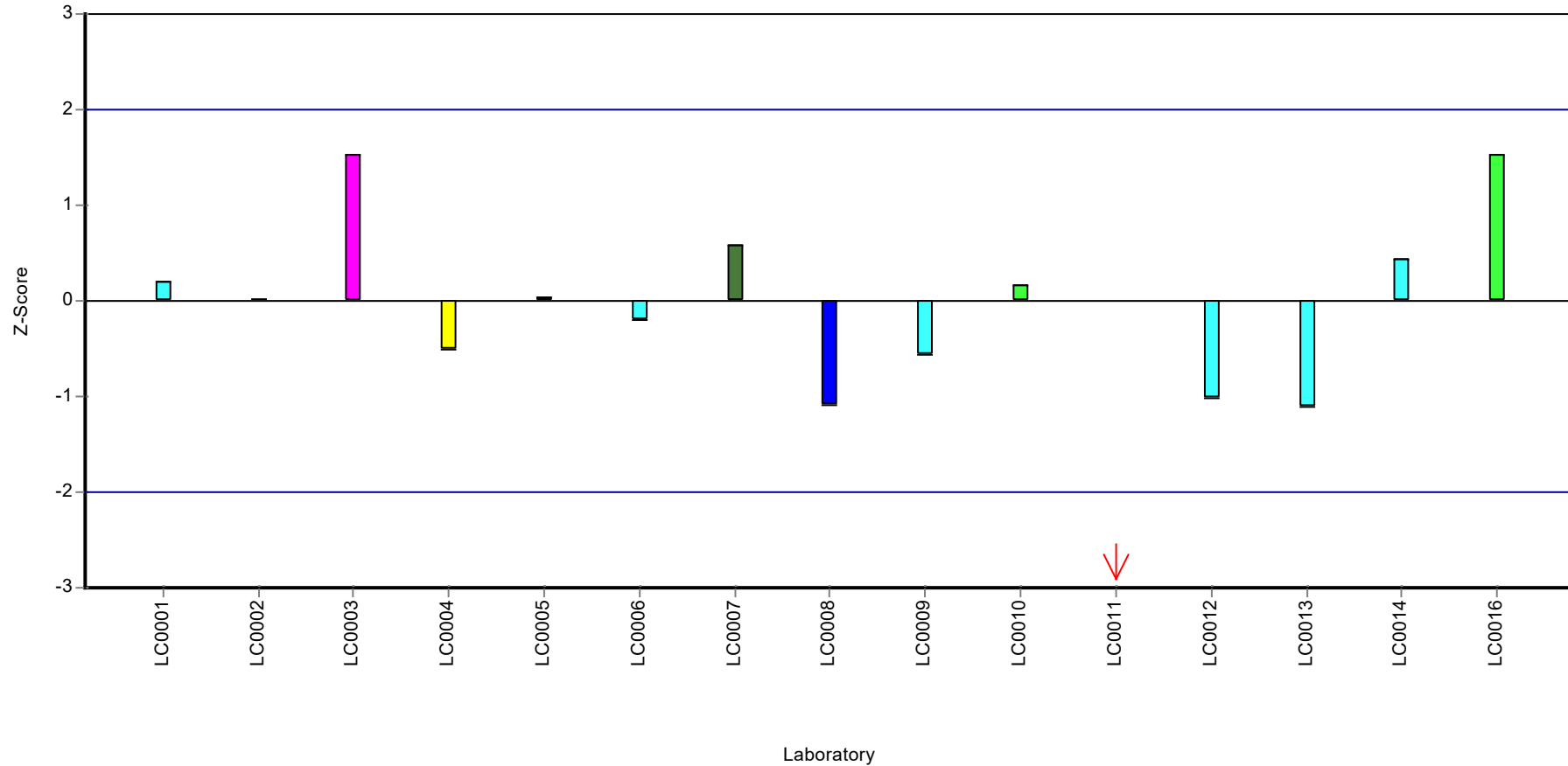
Recovery rate



Parameter oriented report Pesticides H118

Sample: H118A, Parameter: Atrazine-desethyl

Z-score





Parameter oriented report Pesticides H118

Sample: H118B, Parameter: Atrazine-desethyl

## Parameter oriented report

### H118 B

#### Atrazine-desethyl

Unit	µg/l
Assigned value ± U (k=2)	0.796 ± 0.0375
Criterion	0.0955 (12 %)
Minimum - Maximum	0.674 - 0.927
Control test value ± U (k=2)	0.785 ± 0.157

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.82	0.25	103	0.25	
LC0002	0.80975	0.20244	102	0.14	
LC0003	0.927	0.139	116	1.37	
LC0004	0.78	0.185	98	-0.17	
LC0005	0.816	0.12	102	0.21	
LC0006	0.817	0.011	103	0.22	
LC0007	0.826	0.273	104	0.31	
LC0008	0.565	0.046	71	-2.42	H
LC0009	0.696	0.181	87.4	-1.05	
LC0010	0.8566	0.1285	108	0.63	
LC0011	0.674	0.135	84.7	-1.28	
LC0012	0.733	0.11	92.1	-0.66	
LC0013	0.718	0.025	90.2	-0.82	
LC0014	0.803	0.06	101	0.07	
LC0015	-	-	-	-	
LC0016	0.87	0.00091	109	0.77	

#### Characteristics of parameter

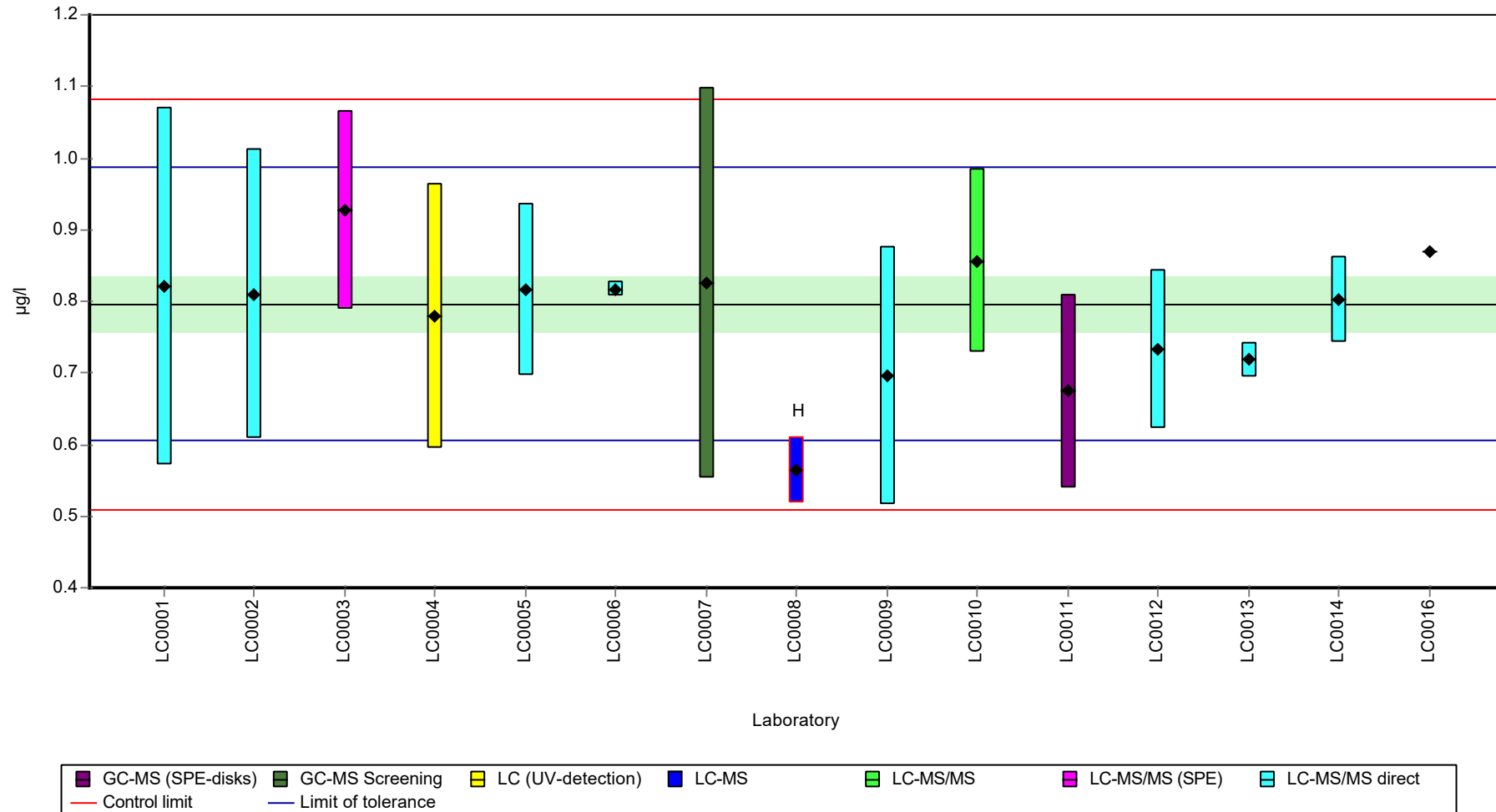
	all results	w ithout outliers	Unit
Mean ± CI (99%)	0.781 ± 0.0699	0.796 ± 0.0563	µg/l
Minimum	0.565	0.674	µg/l
Maximum	0.927	0.927	µg/l
Standard deviation	0.0902	0.0702	µg/l
rel. standard deviation	11.6	8.82	%
n	15	14	-

Parameter oriented report Pesticides H118

Sample: H118B, Parameter: Atrazine-desethyl

Graphical presentation of results

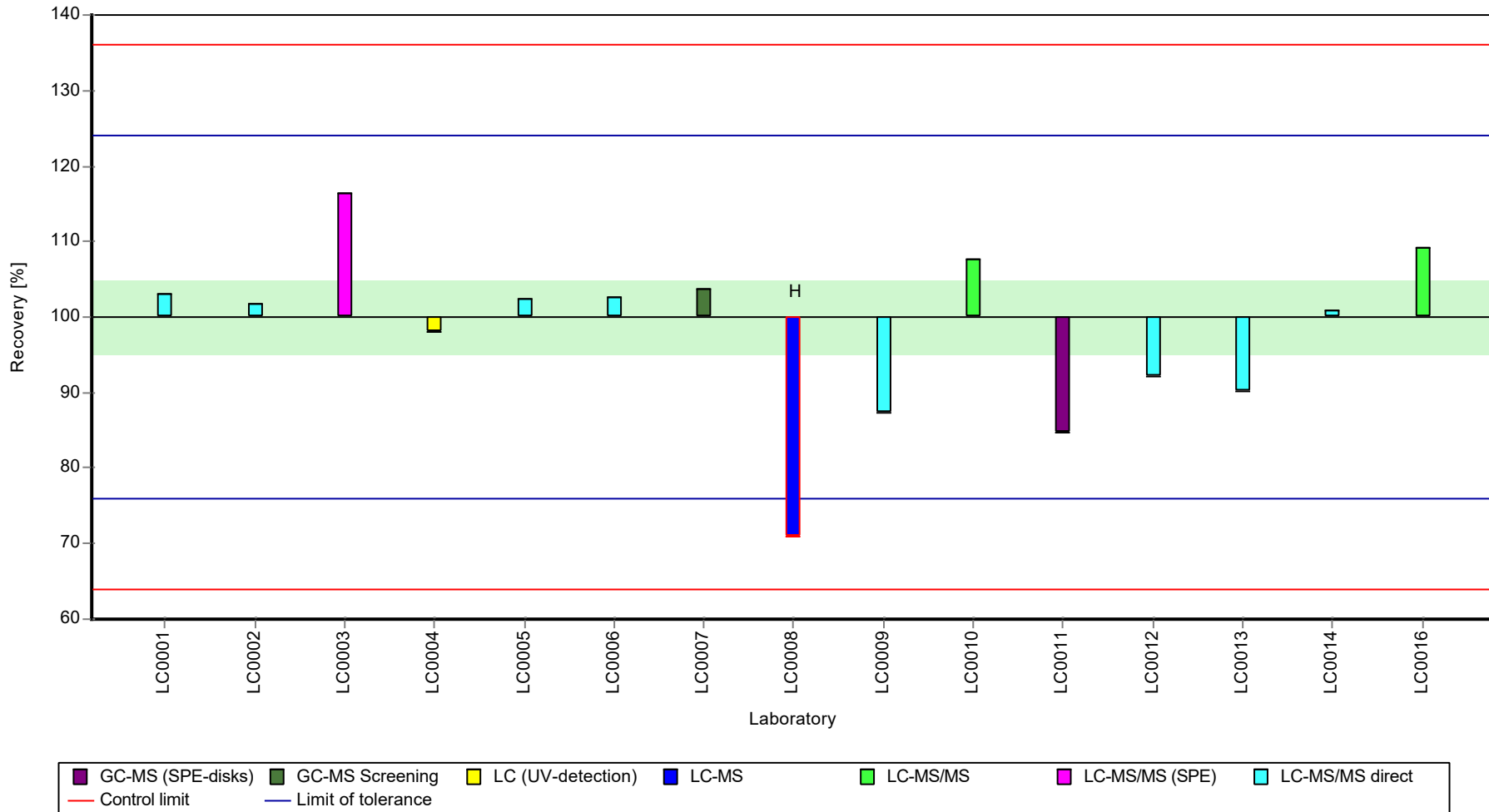
Results



Parameter oriented report Pesticides H118

Sample: H118B, Parameter: Atrazine-desethyl

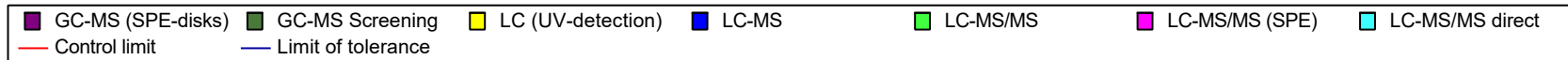
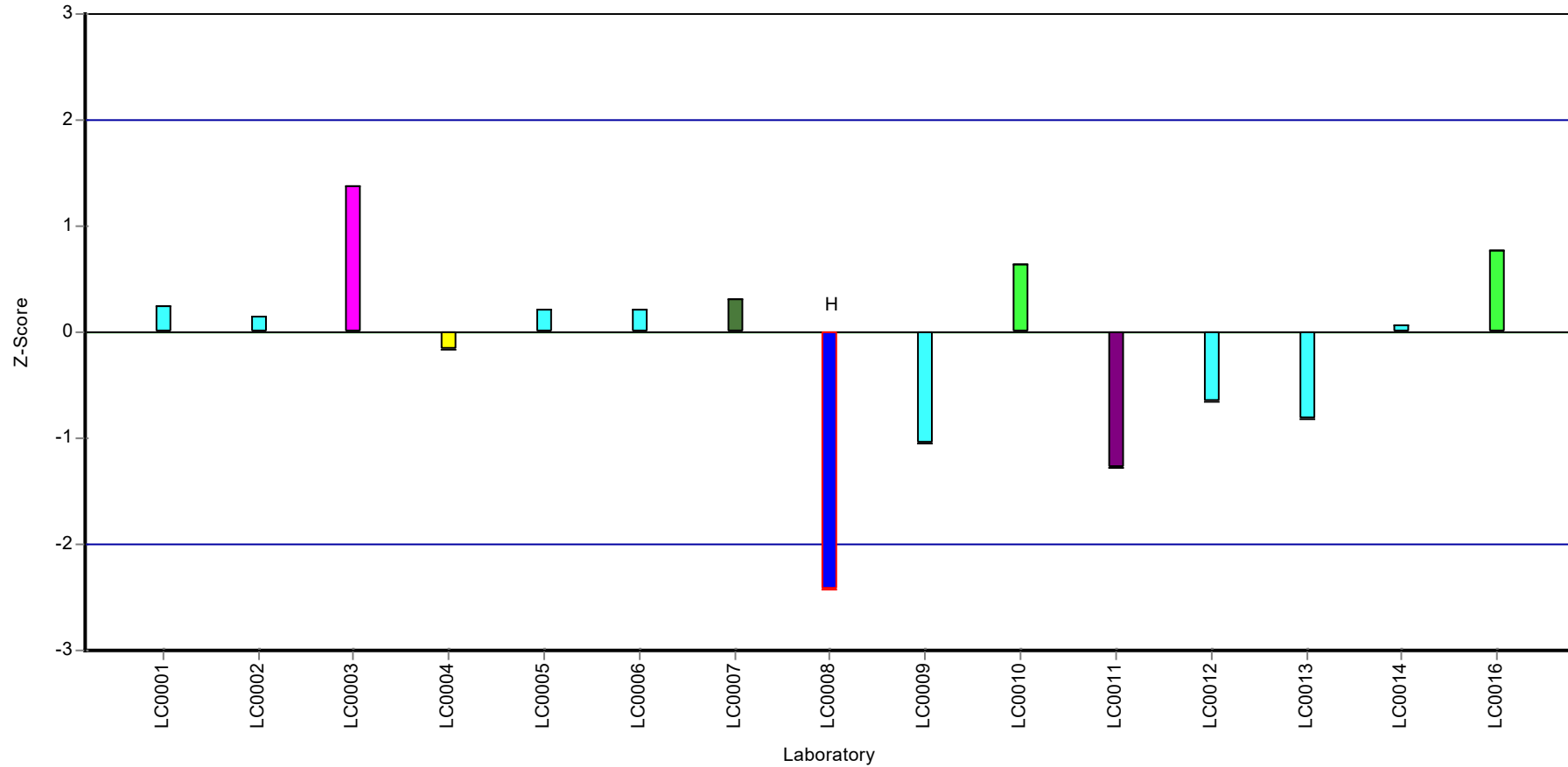
Recovery rate



Parameter oriented report Pesticides H118

Sample: H118B, Parameter: Atrazine-desethyl

Z-score



Parameter oriented report Pesticides H118

Sample: H118A, Parameter: Atrazine-desethyl-desisopropyl

## Parameter oriented report

### H118 A

#### Atrazine-desethyl-desisopropyl\*

Unit	µg/l
Assigned value ± U (k=2)	-
Criterion	-
Minimum - Maximum	0.255 - 0.293
Control test value ± U (k=2)	0.340 ± 0.051

\*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): 0.280 +/- 0.0250 µg/l

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	-	-	-	-	
LC0006	0.293	0.009	-	-	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	-	-	-	-	
LC0010	0.5423	0.0813	-	-	H
LC0011	0.255	0.051	-	-	
LC0012	0.292	0.044	-	-	
LC0013	-	-	-	-	
LC0014	-	-	-	-	
LC0015	-	-	-	-	
LC0016	-	-	-	-	

#### Characteristics of parameter

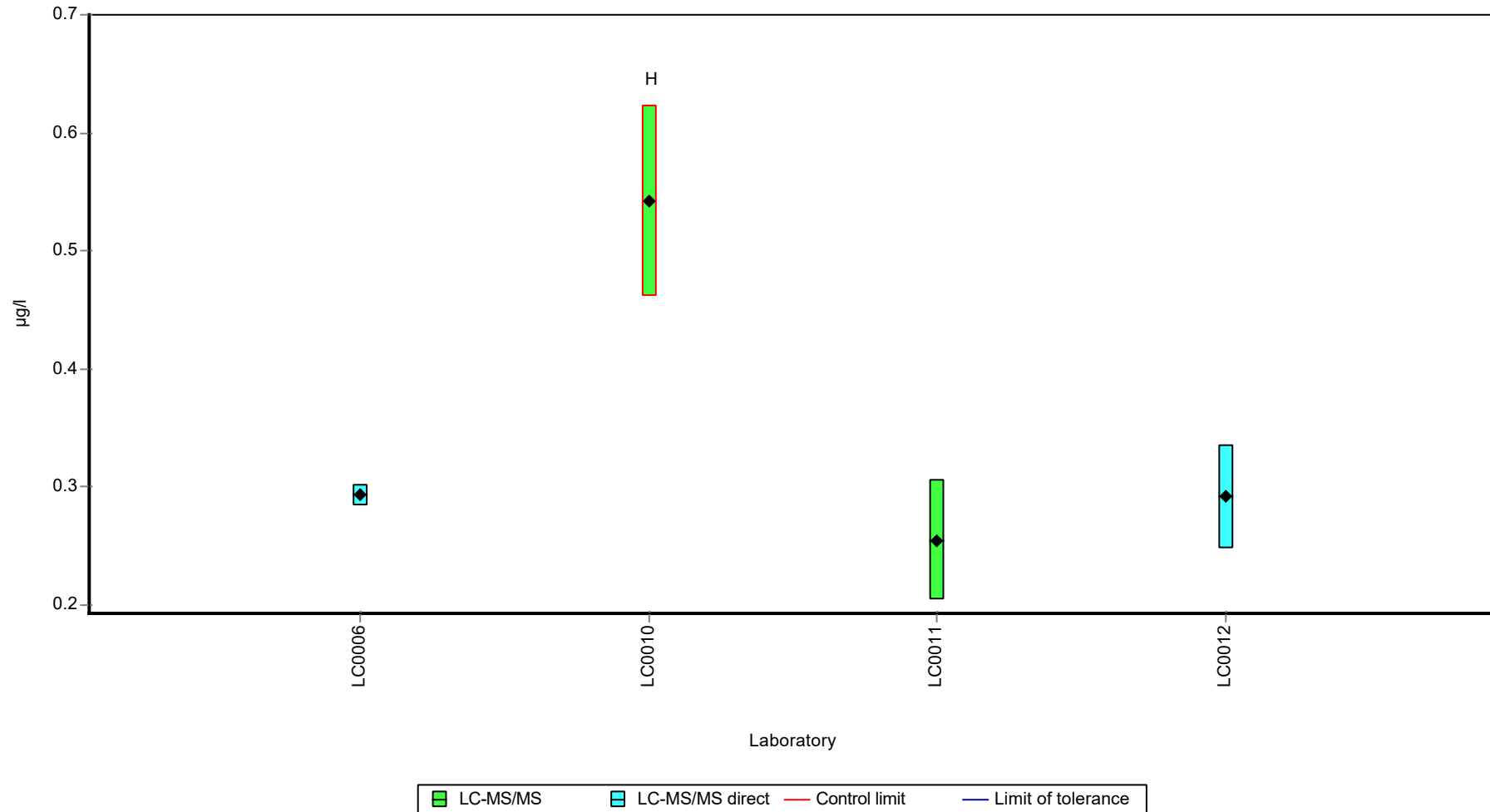
	all results	without outliers	Unit
Mean ± CI (99%)	0.346 ± 0.199	-	µg/l
Minimum	0.255	0.255	µg/l
Maximum	0.542	0.293	µg/l
Standard deviation	0.132	-	µg/l
rel. standard deviation	38.3	-	%
n	4	3	-

Parameter oriented report Pesticides H118

Sample: H118A, Parameter: Atrazine-desethyl-desisopropyl

Graphical presentation of results

Results



Parameter oriented report Pesticides H118

Sample: H118B, Parameter: Atrazine-desethyl-desisopropyl

## Parameter oriented report

### H118 B

#### Atrazine-desethyl-desisopropyl\*

Unit	µg/l
Assigned value ± U (k=2)	-
Criterion	-
Minimum - Maximum	0.313 - 0.371
Control test value ± U (k=2)	0.343 ± 0.0514

\*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): 0.347 +/- 0.0350 µg/l

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	-	-	-	-	
LC0006	0.357	0.01	-	-	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	-	-	-	-	
LC0010	0.3711	0.0557	-	-	
LC0011	0.565	0.113	-	-	H
LC0012	0.313	0.047	-	-	
LC0013	-	-	-	-	
LC0014	-	-	-	-	
LC0015	-	-	-	-	
LC0016	-	-	-	-	

#### Characteristics of parameter

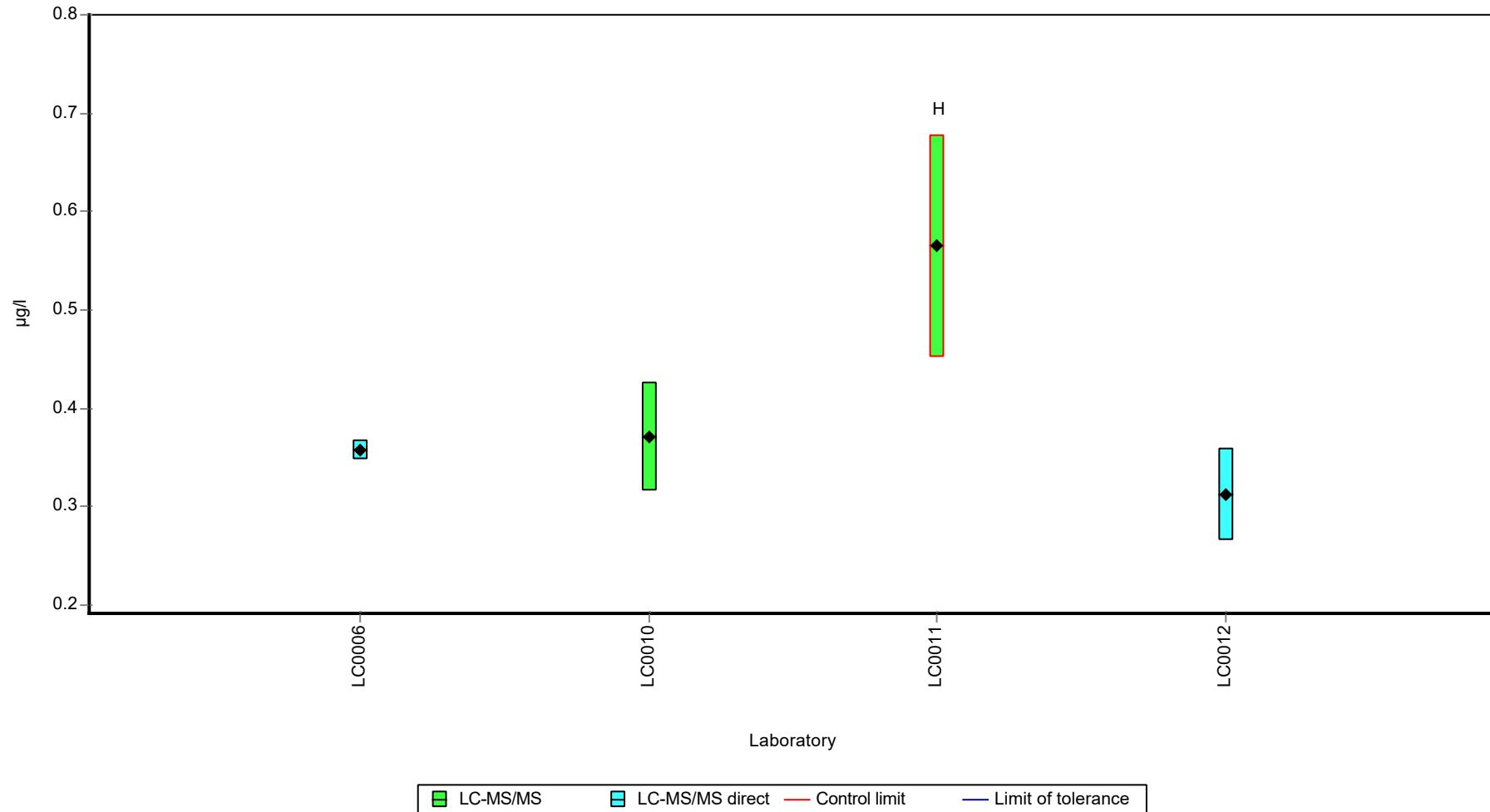
	all results	without outliers	Unit
Mean ± CI (99%)	0.402 ± 0.168	-	µg/l
Minimum	0.313	0.313	µg/l
Maximum	0.565	0.371	µg/l
Standard deviation	0.112	-	µg/l
rel. standard deviation	27.8	-	%
n	4	3	-

Parameter oriented report Pesticides H118

Sample: H118B, Parameter: Atrazine-desethyl-desisopropyl

Graphical presentation of results

Results





Parameter oriented report Pesticides H118

Sample: H118A, Parameter: Atrazine-desisopropyl

## Parameter oriented report

### H118 A

#### Atrazine-desisopropyl

Unit	µg/l
Assigned value ± U (k=2)	0.292 ± 0.0132
Criterion	0.0409 (14 %)
Minimum - Maximum	0.247 - 0.333
Control test value ± U (k=2)	0.381 ± 0.133

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.32	0.1	110	0.68	
LC0002	0.27895	0.06974	95.5	-0.32	
LC0003	0.382	0.076	131	2.2	H
LC0004	0.285	0.07	97.6	-0.17	
LC0005	0.3	0.045	103	0.19	
LC0006	0.291	0.007	99.6	-0.03	
LC0007	-	-	-	-	
LC0008	0.247	0.009	84.6	-1.1	
LC0009	0.275	0.031	94.2	-0.42	
LC0010	0.3067	0.046	105	0.36	
LC0011	0.17	0.034	58.2	-2.99	H
LC0012	0.273	0.041	93.5	-0.47	
LC0013	0.292	0.006	100	0.00	
LC0014	0.303	0.023	104	0.27	
LC0015	-	-	-	-	
LC0016	0.3332	0.0005	114	1.01	

#### Characteristics of parameter

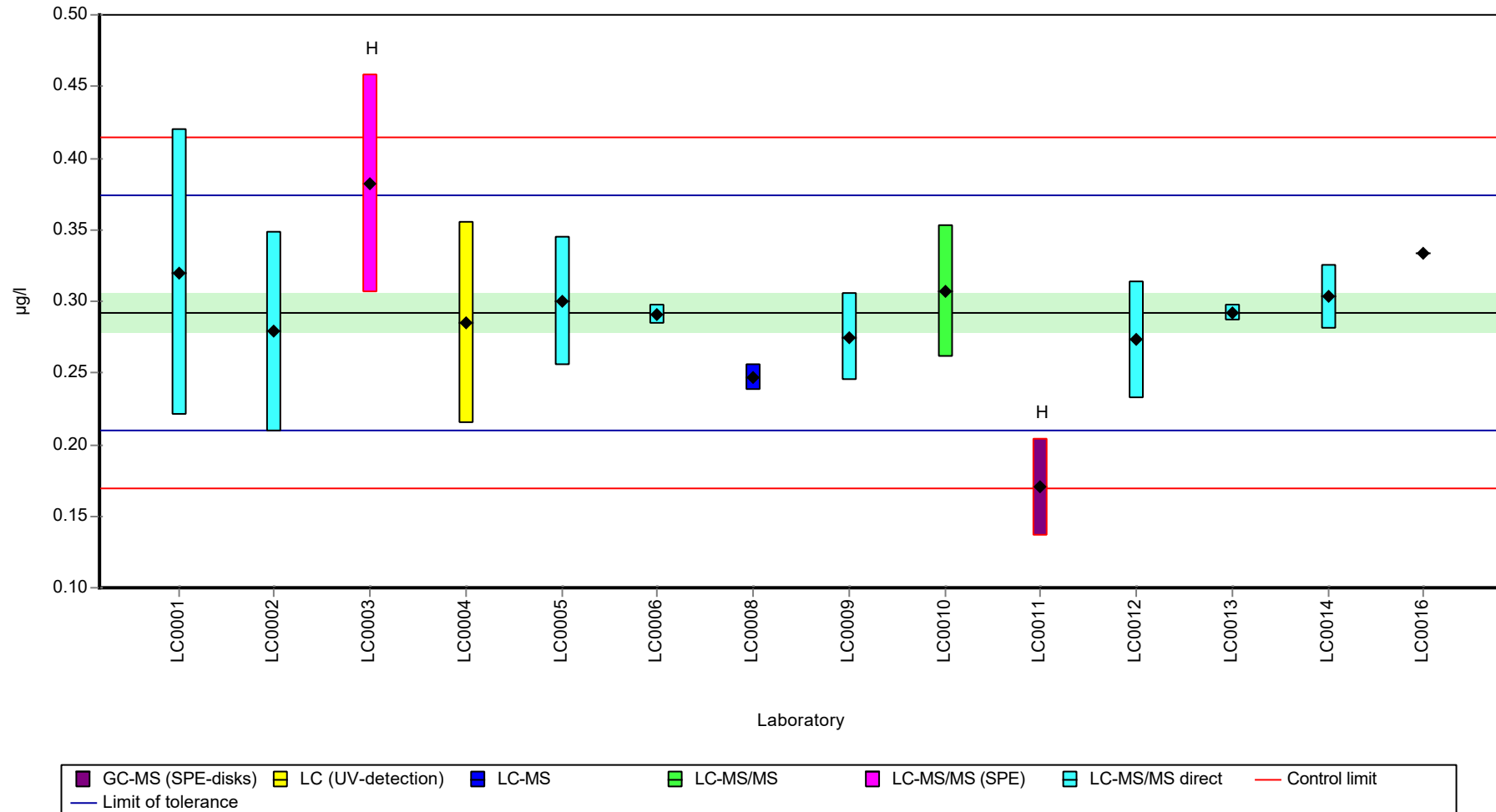
	all results	w ithout outliers	Unit
Mean ± CI (99%)	0.29 ± 0.0377	0.292 ± 0.0198	µg/l
Minimum	0.17	0.247	µg/l
Maximum	0.382	0.333	µg/l
Standard deviation	0.047	0.0229	µg/l
rel. standard deviation	16.2	7.85	%
n	14	12	-

Parameter oriented report Pesticides H118

Sample: H118A, Parameter: Atrazine-desisopropyl

Graphical presentation of results

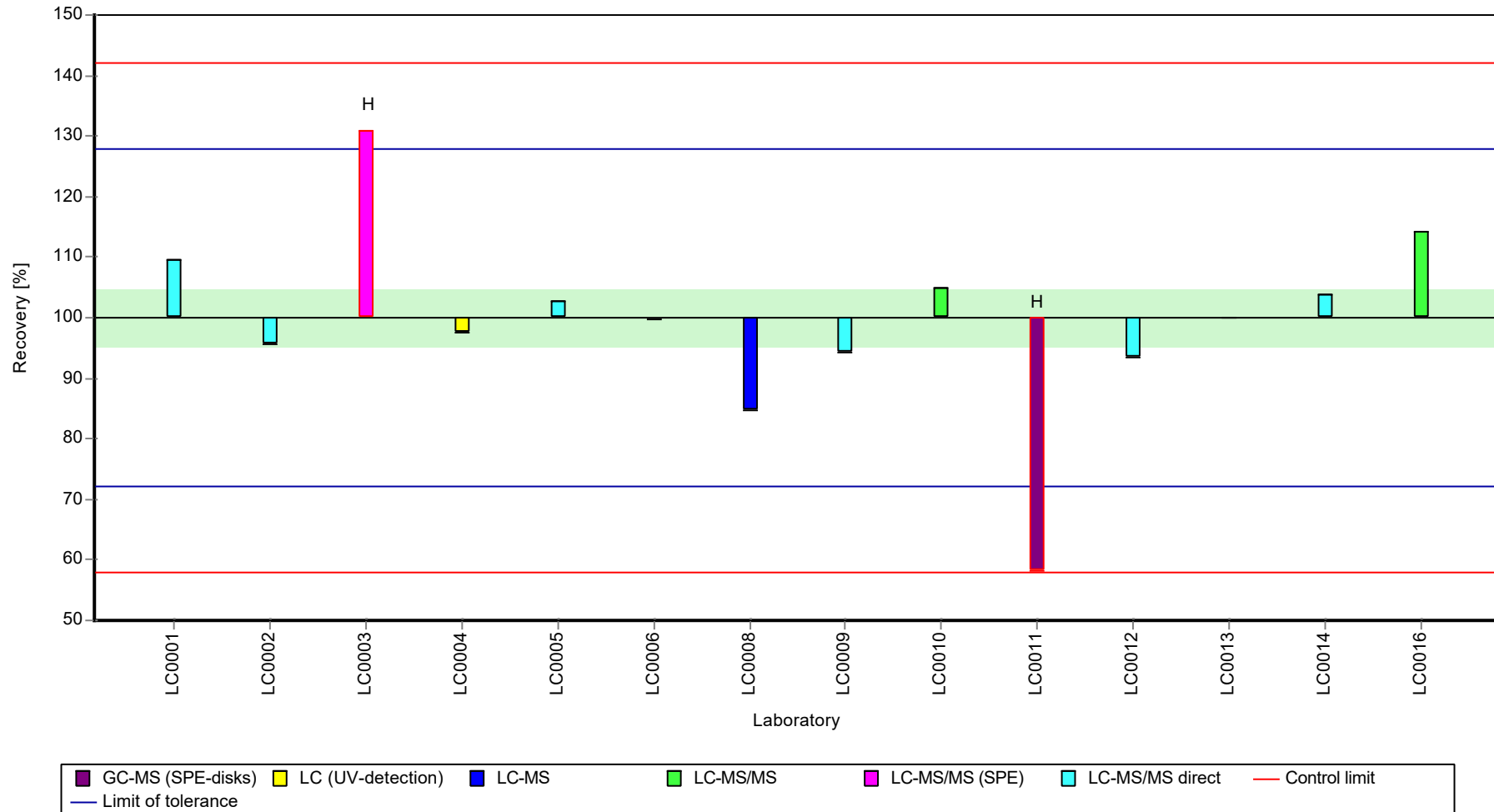
Results



Parameter oriented report Pesticides H118

Sample: H118A, Parameter: Atrazine-desisopropyl

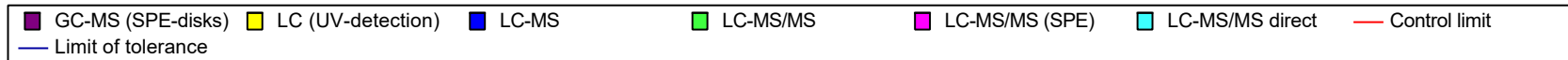
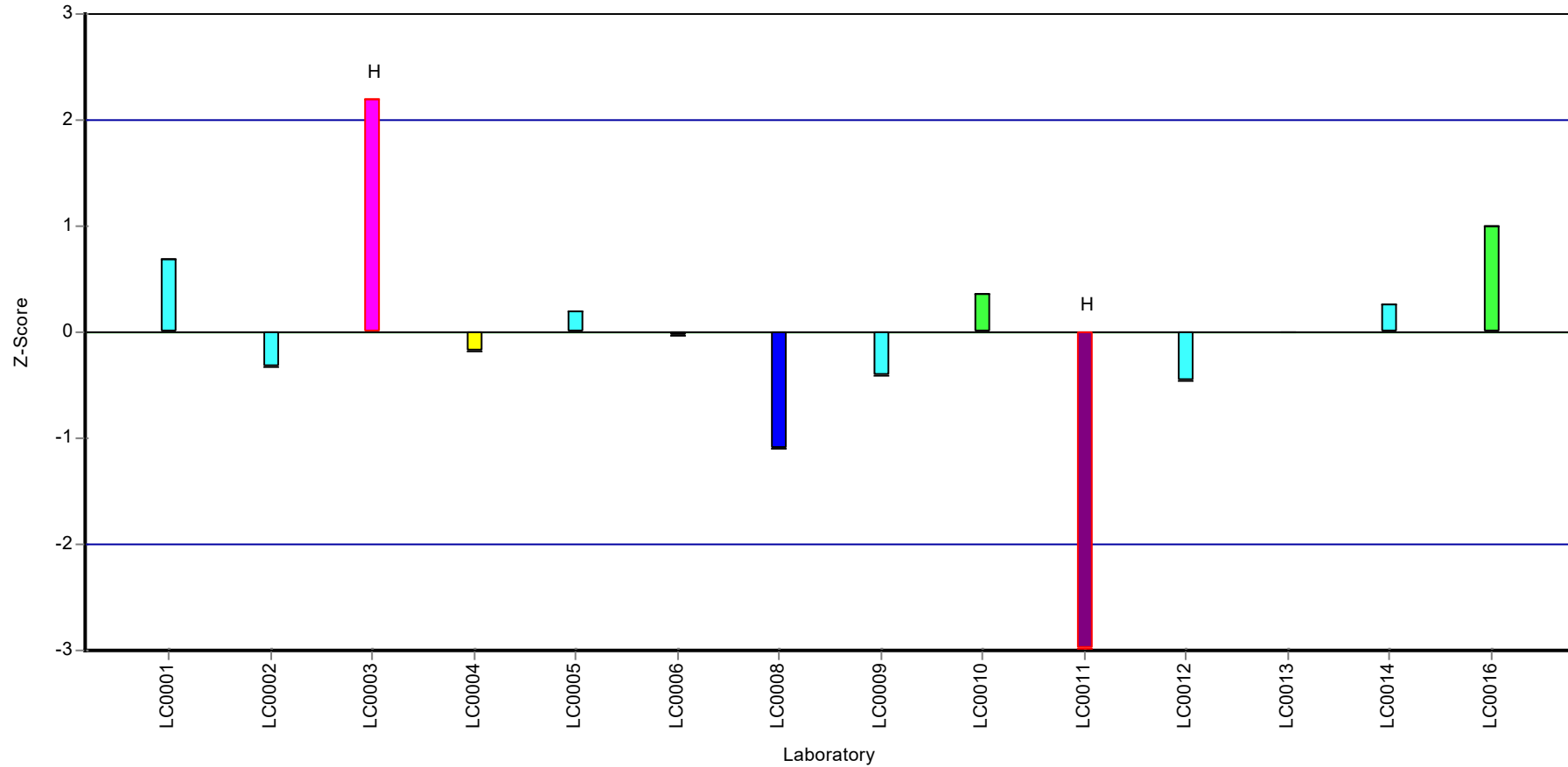
Recovery rate



Parameter oriented report Pesticides H118

Sample: H118A, Parameter: Atrazine-desisopropyl

Z-score



Parameter oriented report Pesticides H118

Sample: H118B, Parameter: Atrazine-desisopropyl

## Parameter oriented report

### H118 B

#### Atrazine-desisopropyl

Unit	µg/l
Assigned value ± U (k=2)	0.689 ± 0.0457
Criterion	0.0964 (14 %)
Minimum - Maximum	0.497 - 0.838
Control test value ± U (k=2)	0.792 ± 0.277

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.7	0.21	102	0.12	
LC0002	0.62745	0.15686	91.1	-0.63	
LC0003	0.838	0.168	122	1.55	
LC0004	0.648	0.158	94.1	-0.42	
LC0005	0.735	0.11	107	0.48	
LC0006	0.695	0.027	101	0.07	
LC0007	-	-	-	-	
LC0008	0.497	0.008	72.2	-1.99	
LC0009	0.63	0.07	91.5	-0.61	
LC0010	0.7661	0.1149	111	0.8	
LC0011	0.392	0.078	56.9	-3.08	H
LC0012	0.659	0.099	95.7	-0.31	
LC0013	0.734	0.026	107	0.47	
LC0014	0.687	0.052	99.8	-0.02	
LC0015	-	-	-	-	
LC0016	0.7359	0.0011	107	0.49	

#### Characteristics of parameter

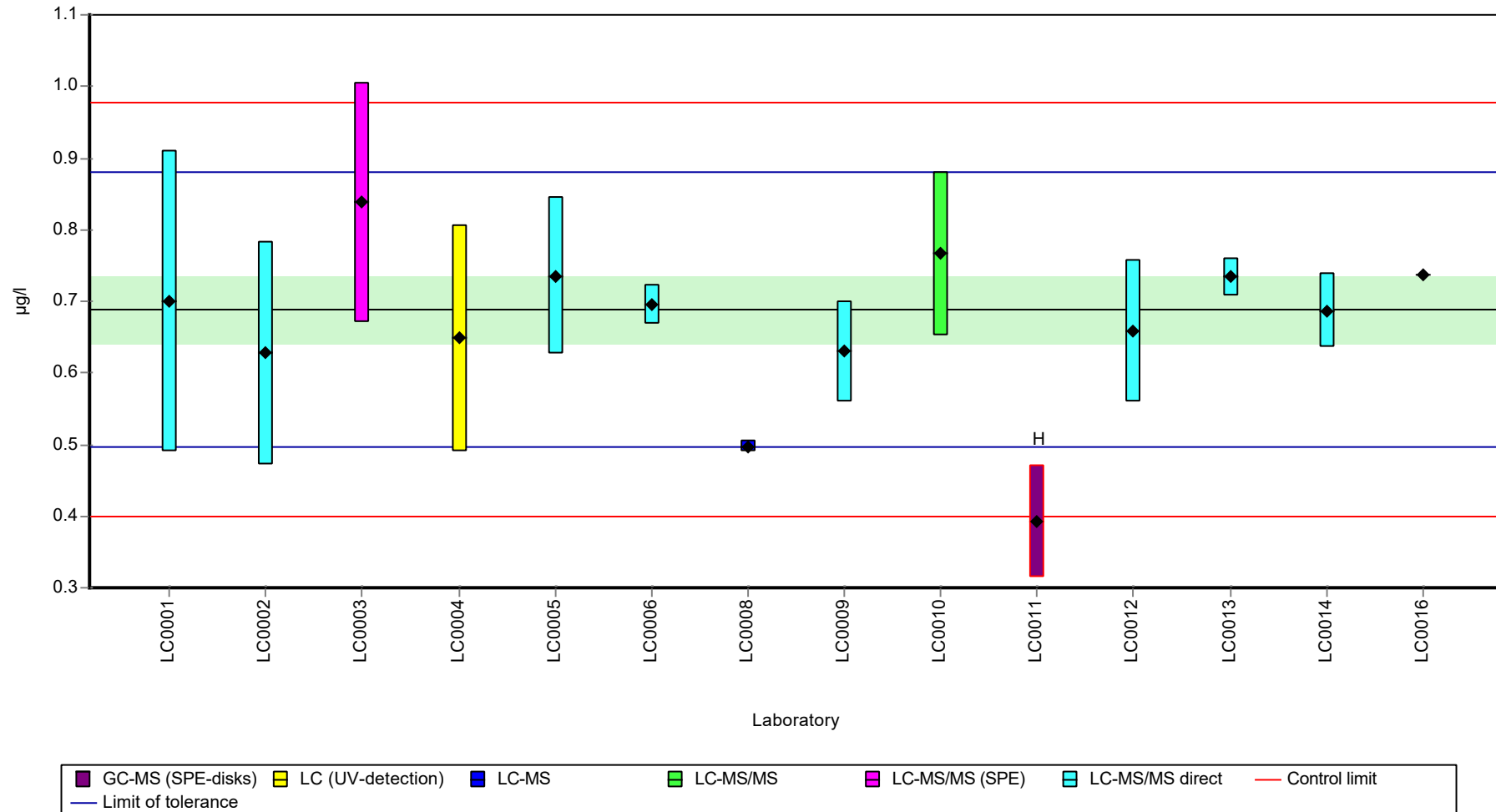
	all results	w ithout outliers	Unit
Mean ± CI (99%)	0.667 ± 0.0898	0.689 ± 0.0685	µg/l
Minimum	0.392	0.497	µg/l
Maximum	0.838	0.838	µg/l
Standard deviation	0.112	0.0823	µg/l
rel. standard deviation	16.8	12	%
n	14	13	-

Parameter oriented report Pesticides H118

Sample: H118B, Parameter: Atrazine-desisopropyl

Graphical presentation of results

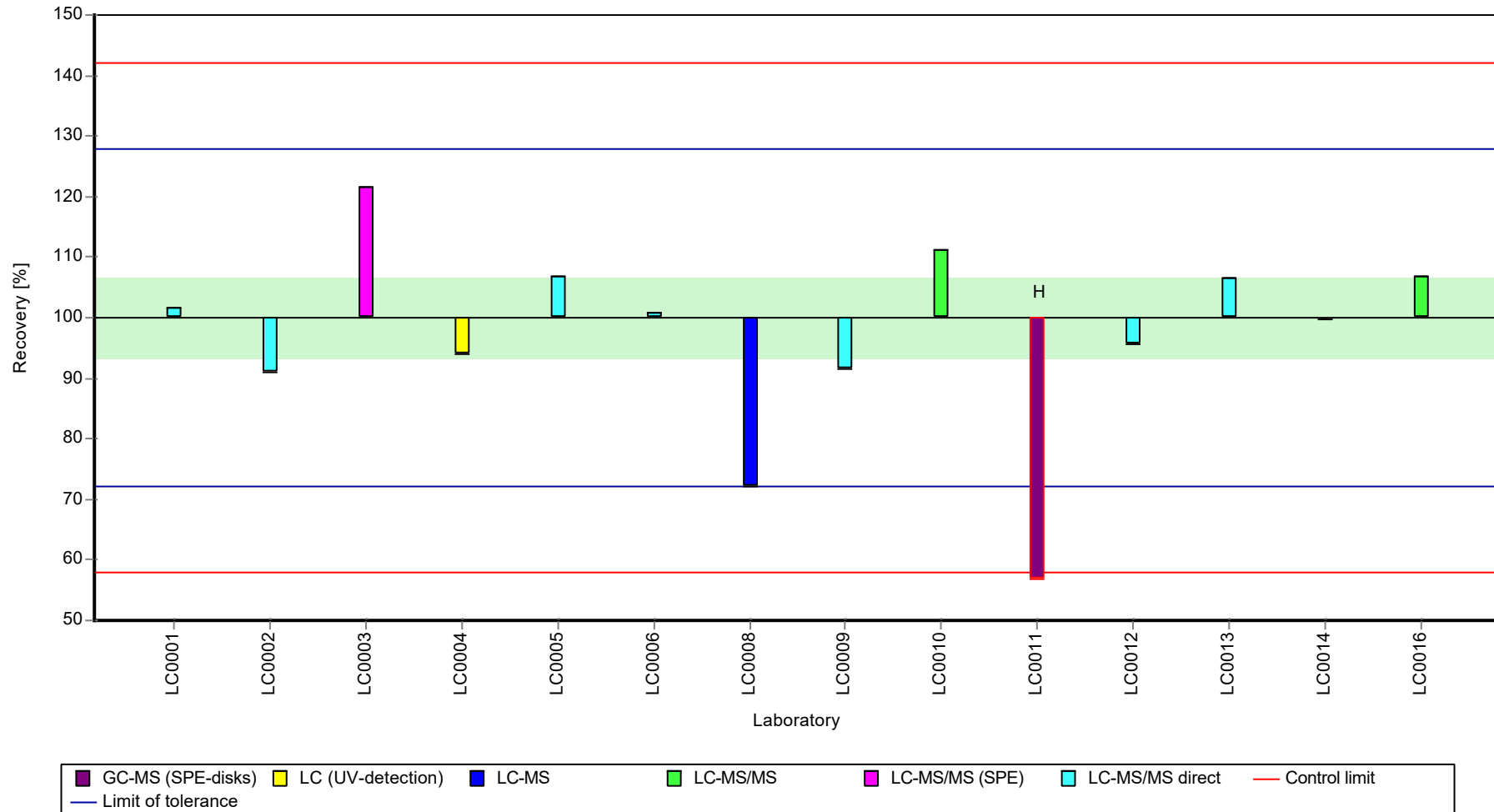
Results



Parameter oriented report Pesticides H118

Sample: H118B, Parameter: Atrazine-desisopropyl

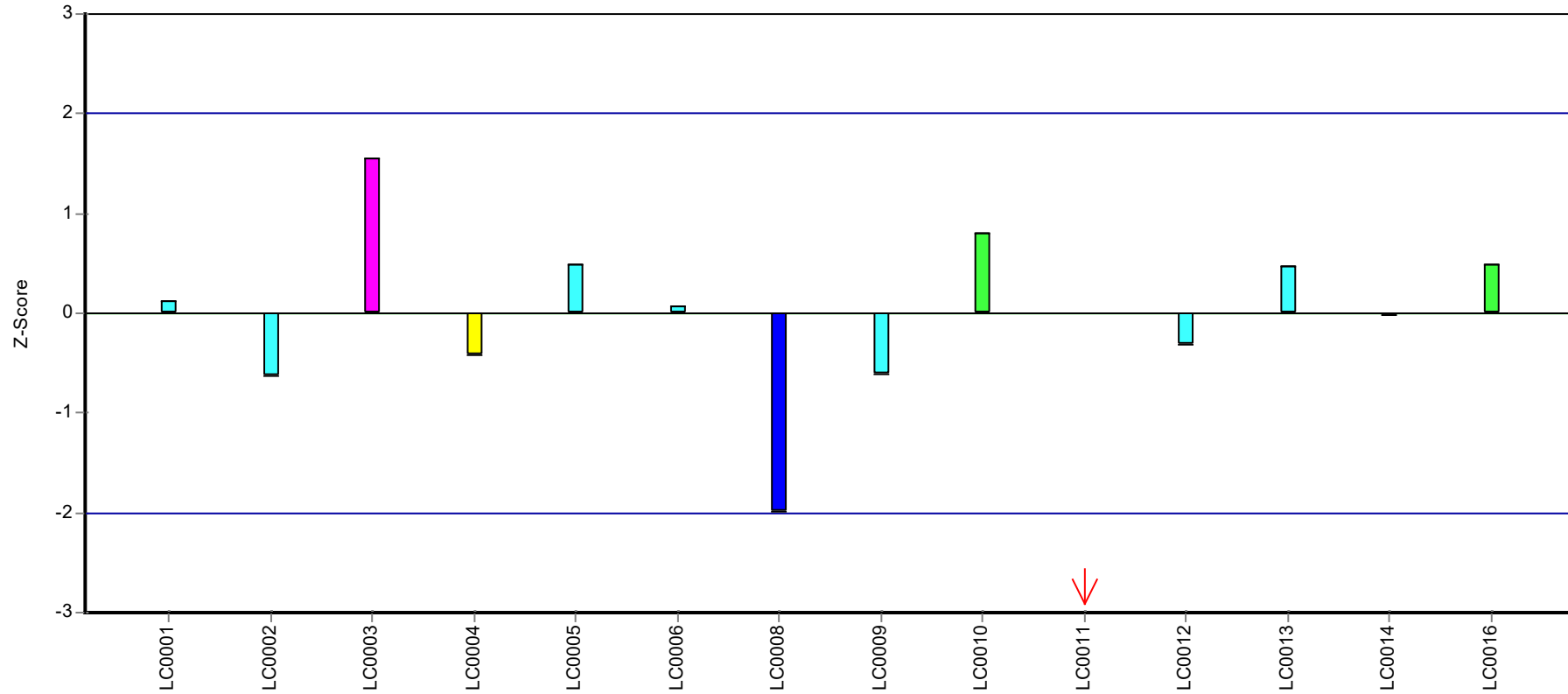
Recovery rate



Parameter oriented report Pesticides H118

Sample: H118B, Parameter: Atrazine-desisopropyl

Z-score



Laboratory





## Parameter oriented report

### H118 A

#### Bromacil\*

Unit	µg/l
Assigned value ± U (k=2)	-
Criterion	-
Minimum - Maximum	0.454 - 0.487
Control test value ± U (k=2)	0.465 ± 0.0931

\*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): 0.473 +/- 0.0134 µg/l

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	0.459	0.092	-	-	
LC0006	0.483	0.006	-	-	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	-	-	-	-	
LC0010	-	-	-	-	
LC0011	0.303	0.061	-	-	H
LC0012	0.487	0.073	-	-	
LC0013	0.48	0.009	-	-	
LC0014	0.454	0.058	-	-	
LC0015	-	-	-	-	
LC0016	-	-	-	-	

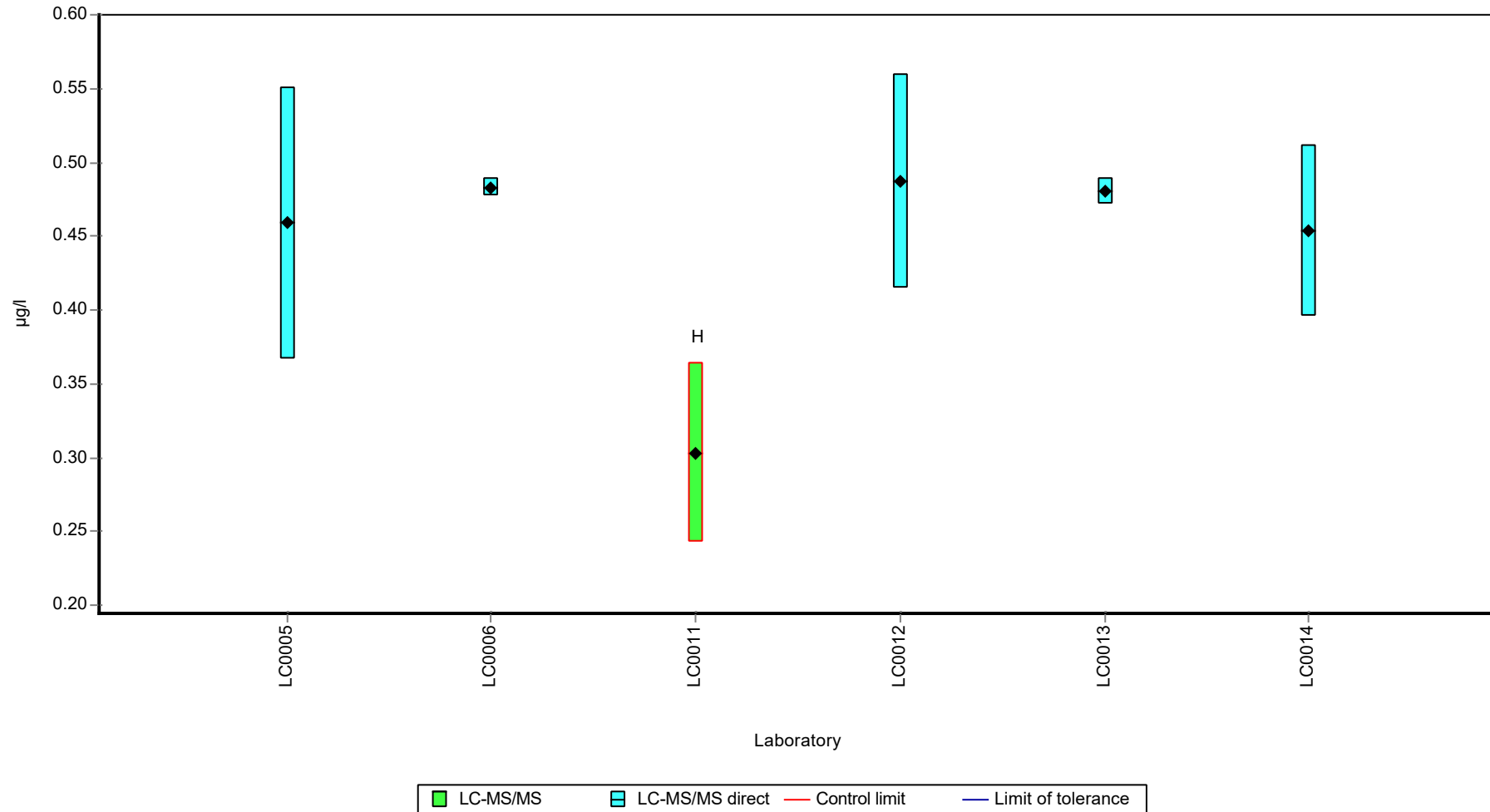
#### Characteristics of parameter

	all results	w ithout outliers	Unit
Mean ± CI (99%)	0.444 ± 0.0864	-	µg/l
Minimum	0.303	0.454	µg/l
Maximum	0.487	0.487	µg/l
Standard deviation	0.0705	-	µg/l
rel. standard deviation	15.9	-	%
n	6	5	-

Parameter oriented report Pesticides H118

Sample: H118A, Parameter: Bromacil

Graphical presentation of results  
 Results



## Parameter oriented report

### H118 B

#### Bromacil\*

Unit	µg/l
Assigned value ± U (k=2)	-
Criterion	-
Minimum - Maximum	0.916 - 1.02
Control test value ± U (k=2)	0.995 ± 0.199

\*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): 0.973 +/- 0.0353 µg/l

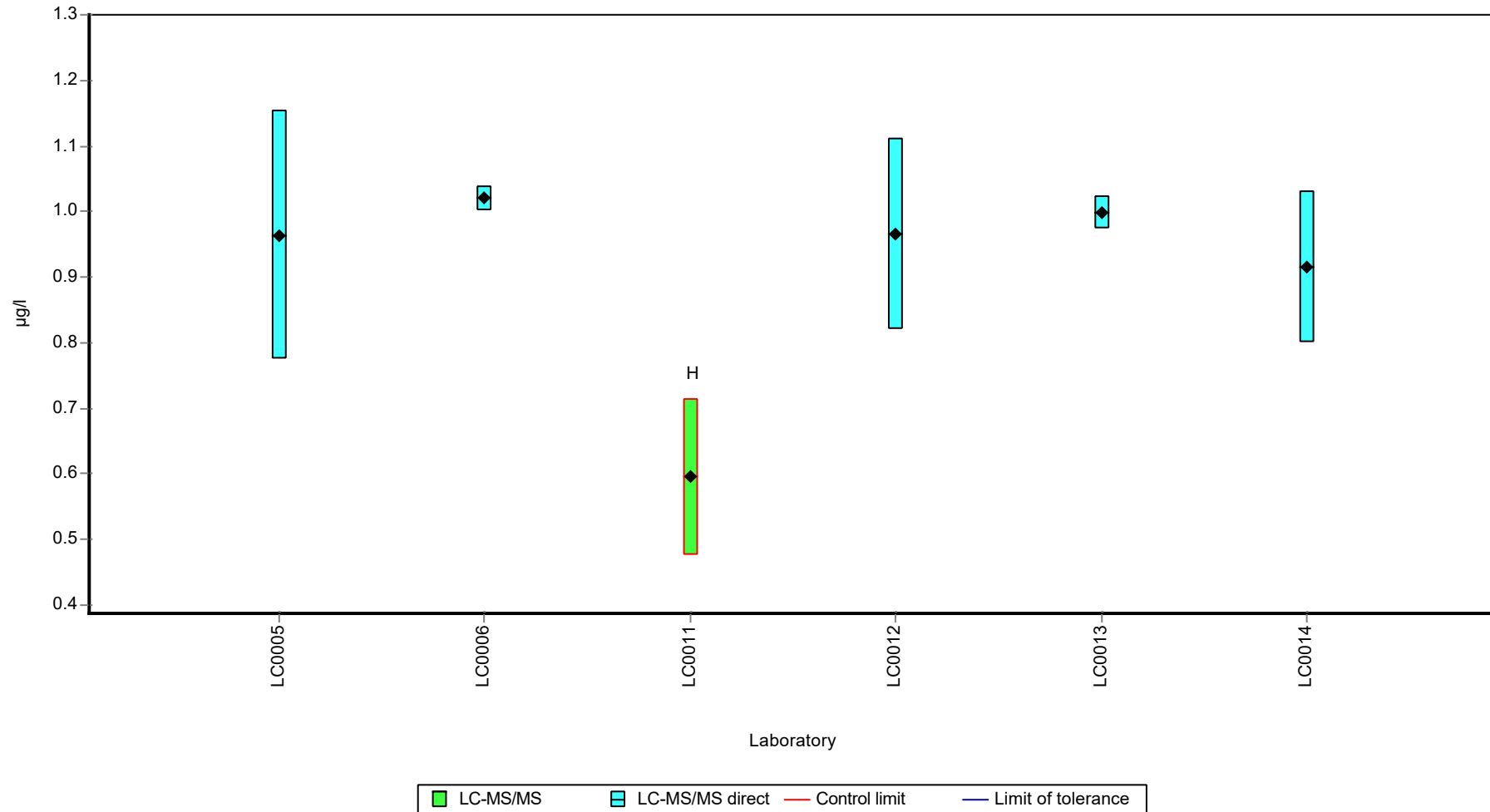
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	0.964	0.19	-	-	
LC0006	1.02	0.018	-	-	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	-	-	-	-	
LC0010	-	-	-	-	
LC0011	0.595	0.119	-	-	H
LC0012	0.966	0.145	-	-	
LC0013	0.998	0.025	-	-	
LC0014	0.916	0.116	-	-	
LC0015	-	-	-	-	
LC0016	-	-	-	-	

#### Characteristics of parameter

	all results	without outliers	Unit
Mean ± CI (99%)	0.91 ± 0.194	-	µg/l
Minimum	0.595	0.916	µg/l
Maximum	1.02	1.02	µg/l
Standard deviation	0.158	-	µg/l
rel. standard deviation	17.4	-	%
n	6	5	-

Graphical presentation of results

Results



Parameter oriented report Pesticides H118

Sample: H118A, Parameter: Chloridazon

## Parameter oriented report

### H118 A

#### Chloridazon

Unit	µg/l
Assigned value ± U (k=2)	0.506 ± 0.0306
Criterion	0.0657 (13 %)
Minimum - Maximum	0.416 - 0.604
Control test value ± U (k=2)	0.519 ± 0.0778

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.51	0.15	101	0.07	
LC0002	0.51585	0.12896	102	0.16	
LC0003	0.604	0.091	119	1.5	
LC0004	0.5332	0.2842	105	0.42	
LC0005	-	-	-	-	
LC0006	0.592	0.032	117	1.31	
LC0007	0.492	0.153	97.3	-0.21	
LC0008	0.428	0.017	84.6	-1.18	
LC0009	0.509	0.054	101	0.05	
LC0010	0.4603	0.069	91	-0.69	
LC0011	0.538	0.108	106	0.49	
LC0012	-	-	-	-	
LC0013	0.448	0.028	88.6	-0.88	
LC0014	0.473	0.046	93.5	-0.5	
LC0015	0.416	0.125	82.3	-1.36	
LC0016	0.5598	0.00042	111	0.82	

#### Characteristics of parameter

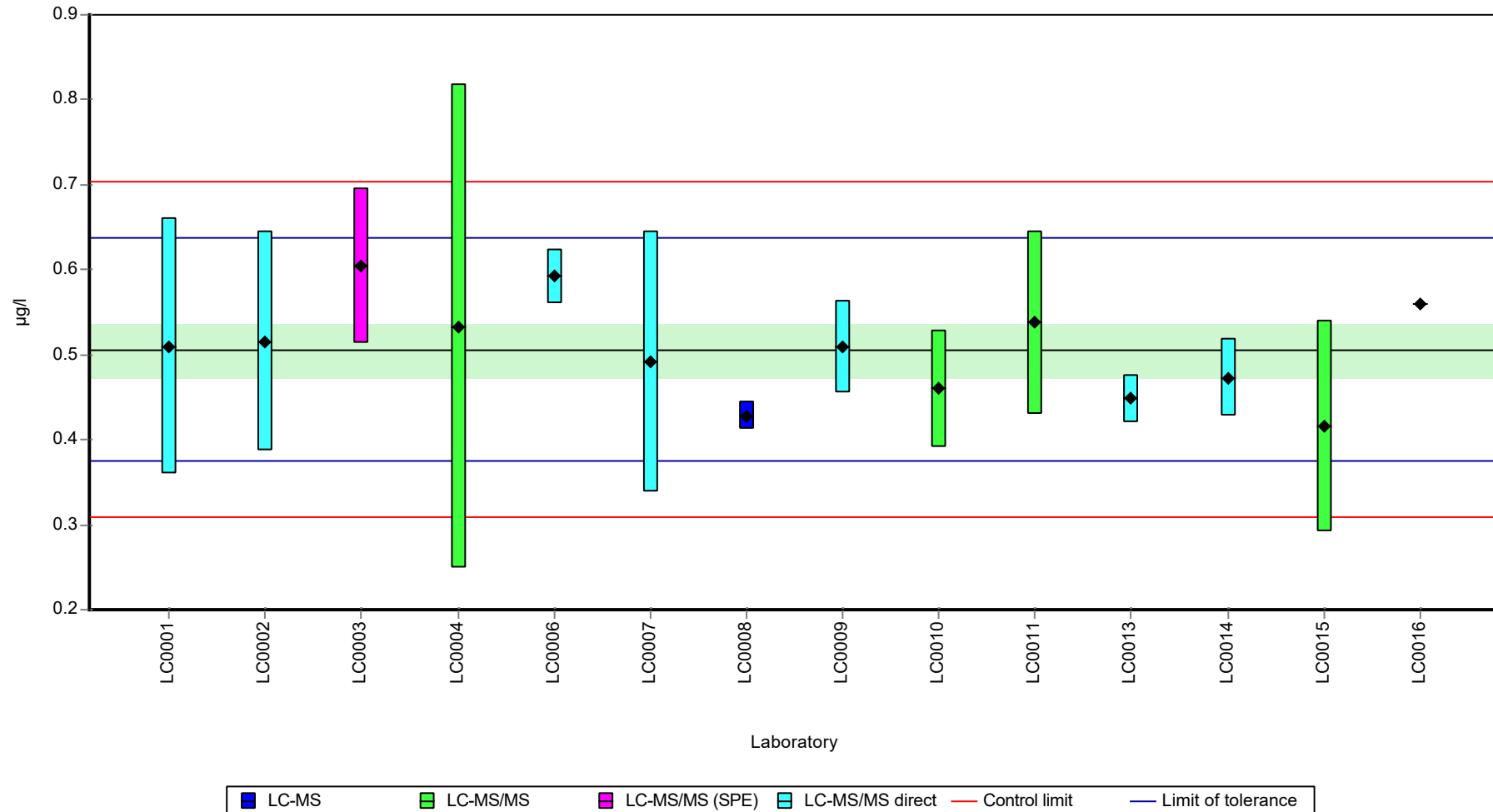
	all results	w ithout outliers	Unit
Mean ± CI (99%)	0.506 ± 0.046	0.506 ± 0.046	µg/l
Minimum	0.416	0.416	µg/l
Maximum	0.604	0.604	µg/l
Standard deviation	0.0573	0.0573	µg/l
rel. standard deviation	11.3	11.3	%
n	14	14	-

Parameter oriented report Pesticides H118

Sample: H118A, Parameter: Chloridazon

Graphical presentation of results

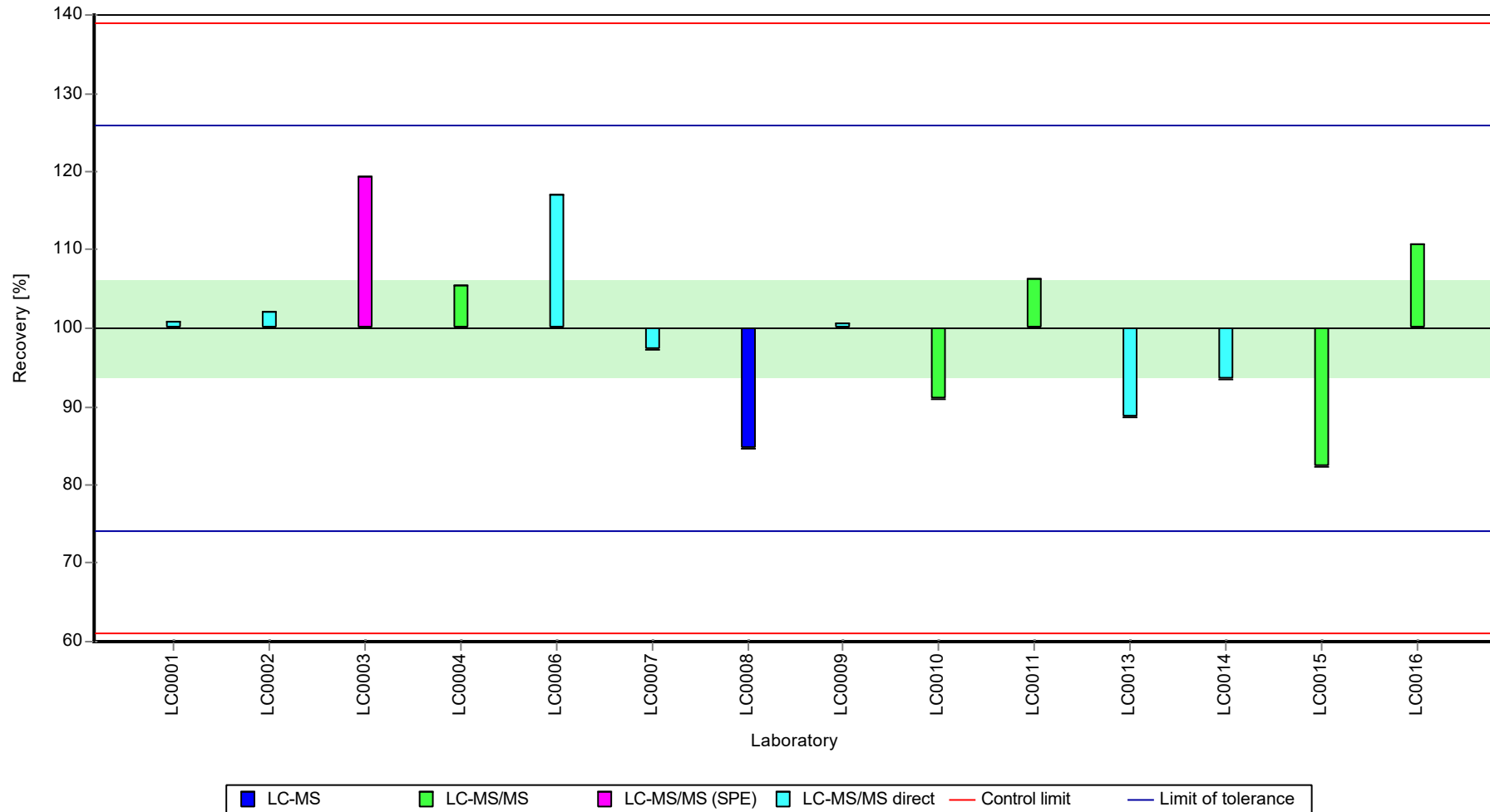
Results



Parameter oriented report Pesticides H118

Sample: H118A, Parameter: Chloridazon

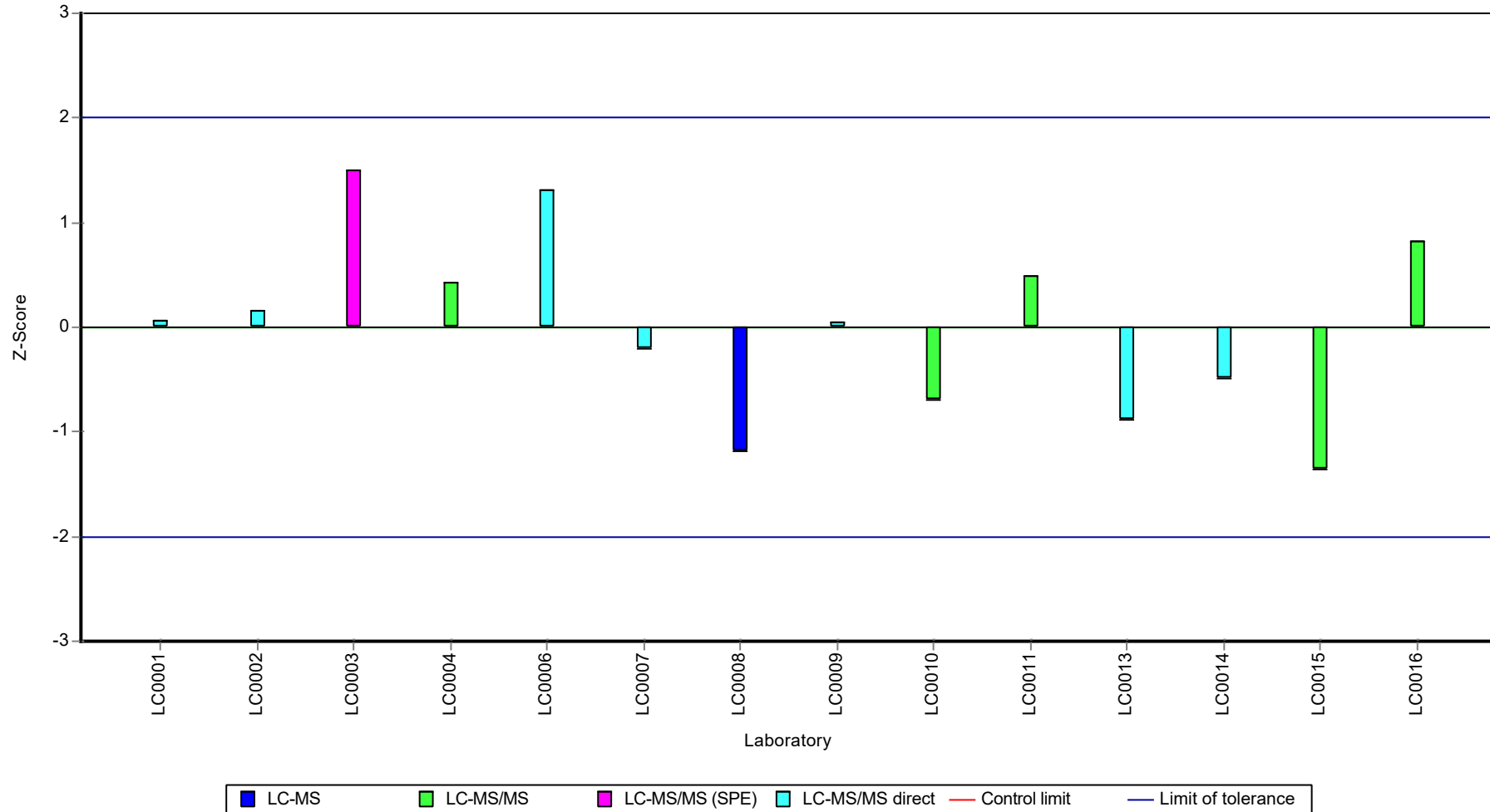
Recovery rate



Parameter oriented report Pesticides H118

Sample: H118A, Parameter: Chloridazon

Z-score





Parameter oriented report Pesticides H118

Sample: H118B, Parameter: Chloridazon

## Parameter oriented report

### H118 B

#### Chloridazon

Unit	µg/l
Assigned value ± U (k=2)	0.511 ± 0.03
Criterion	0.0664 (13 %)
Minimum - Maximum	0.395 - 0.61
Control test value ± U (k=2)	0.499 ± 0.0749

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.49	0.15	96	-0.31	
LC0002	0.52235	0.13059	102	0.18	
LC0003	0.61	0.091	119	1.5	
LC0004	0.5401	0.2879	106	0.44	
LC0005	-	-	-	-	
LC0006	0.56	0.032	110	0.74	
LC0007	0.546	0.169	107	0.53	
LC0008	0.395	0.01	77.4	-1.74	
LC0009	0.475	0.051	93	-0.54	
LC0010	0.4984	0.0748	97.6	-0.18	
LC0011	0.518	0.104	101	0.11	
LC0012	-	-	-	-	
LC0013	0.488	0.02	95.6	-0.34	
LC0014	0.499	0.057	97.7	-0.18	
LC0015	0.432	0.13	84.6	-1.18	
LC0016	0.5752	0.00043	113	0.97	

#### Characteristics of parameter

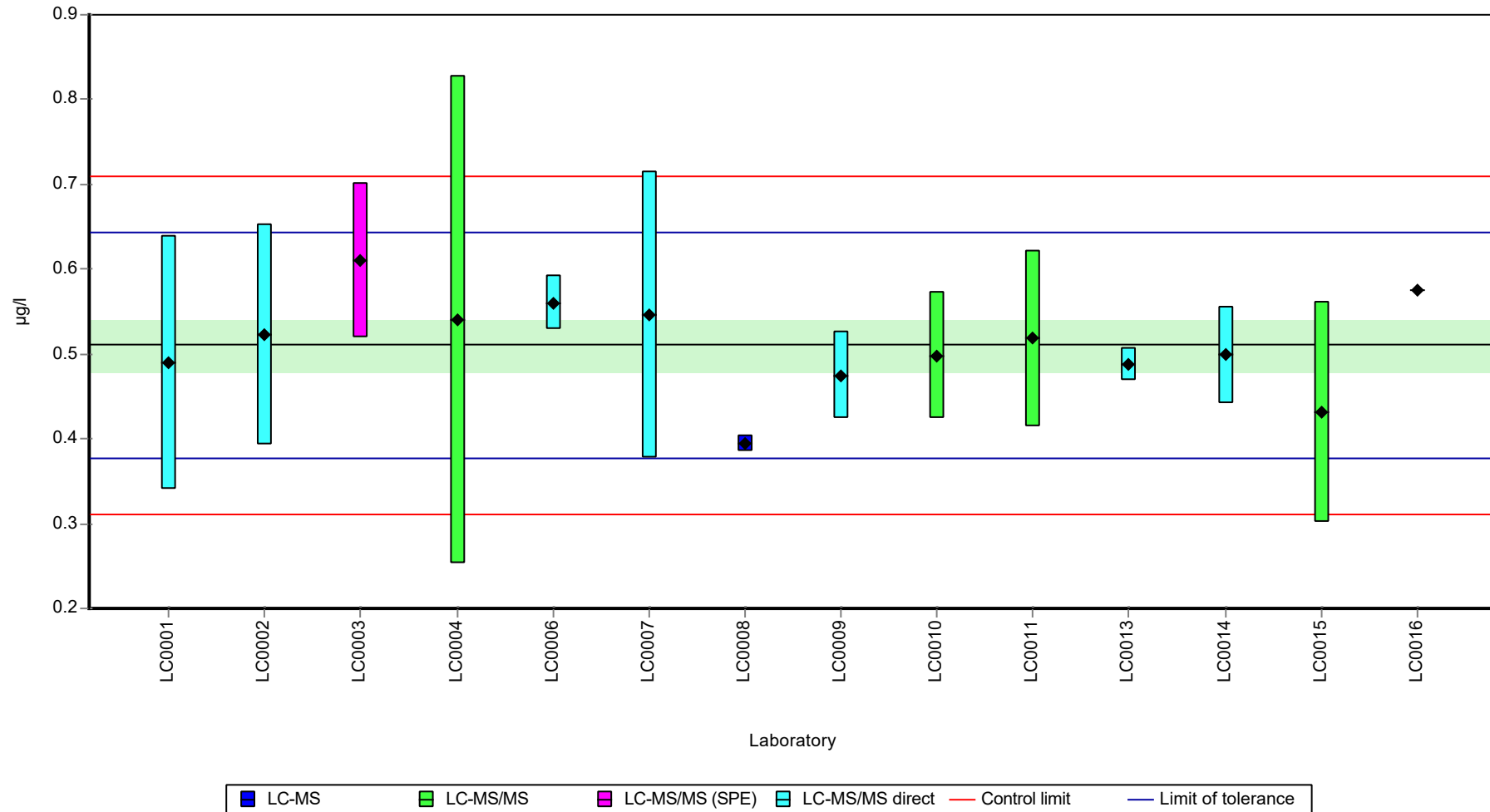
	all results	w ithout outliers	Unit
Mean ± CI (99%)	0.511 ± 0.0449	0.511 ± 0.0449	µg/l
Minimum	0.395	0.395	µg/l
Maximum	0.61	0.61	µg/l
Standard deviation	0.056	0.056	µg/l
rel. standard deviation	11	11	%
n	14	14	-

Parameter oriented report Pesticides H118

Sample: H118B, Parameter: Chloridazon

Graphical presentation of results

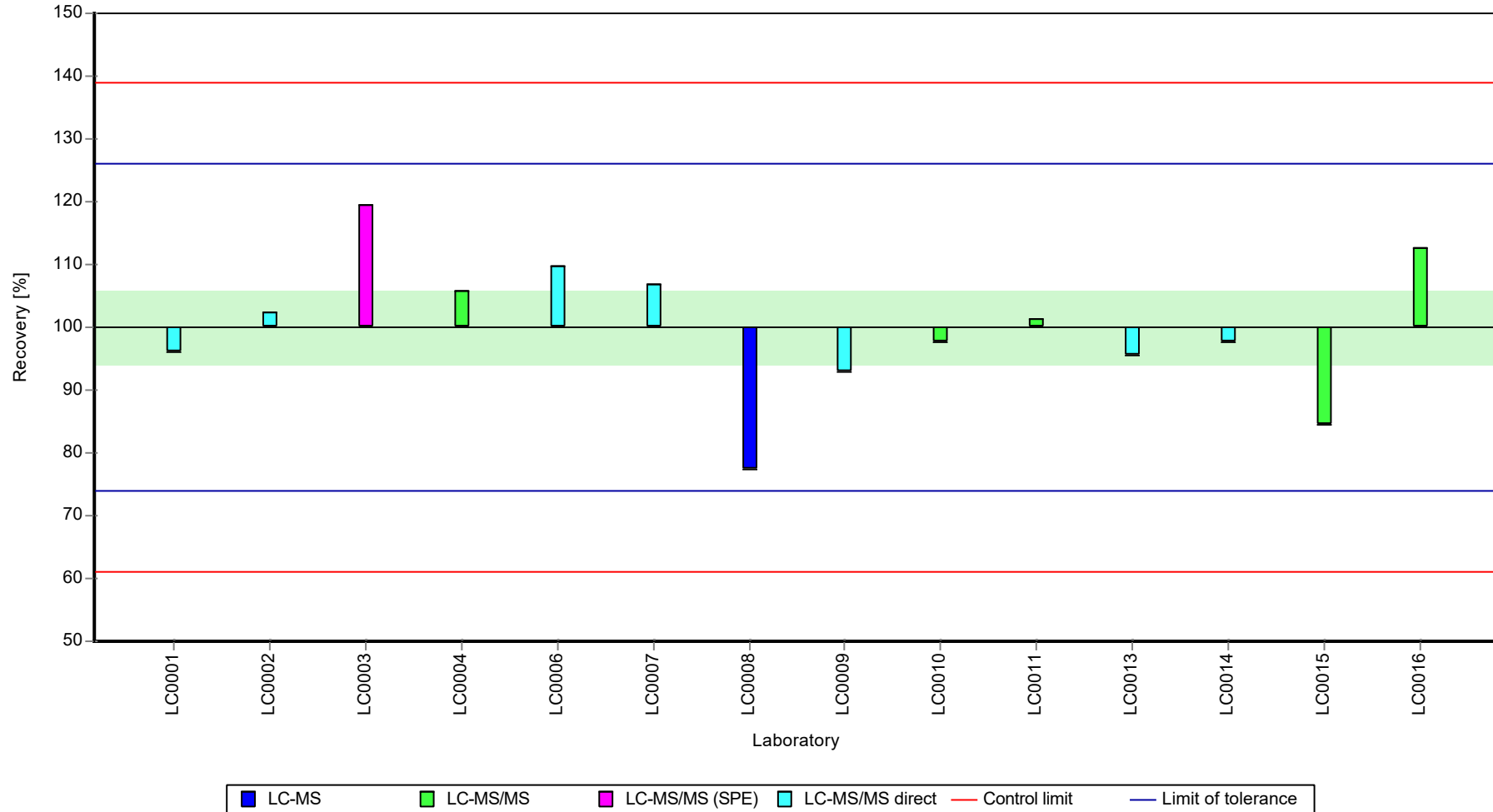
Results



Parameter oriented report Pesticides H118

Sample: H118B, Parameter: Chloridazon

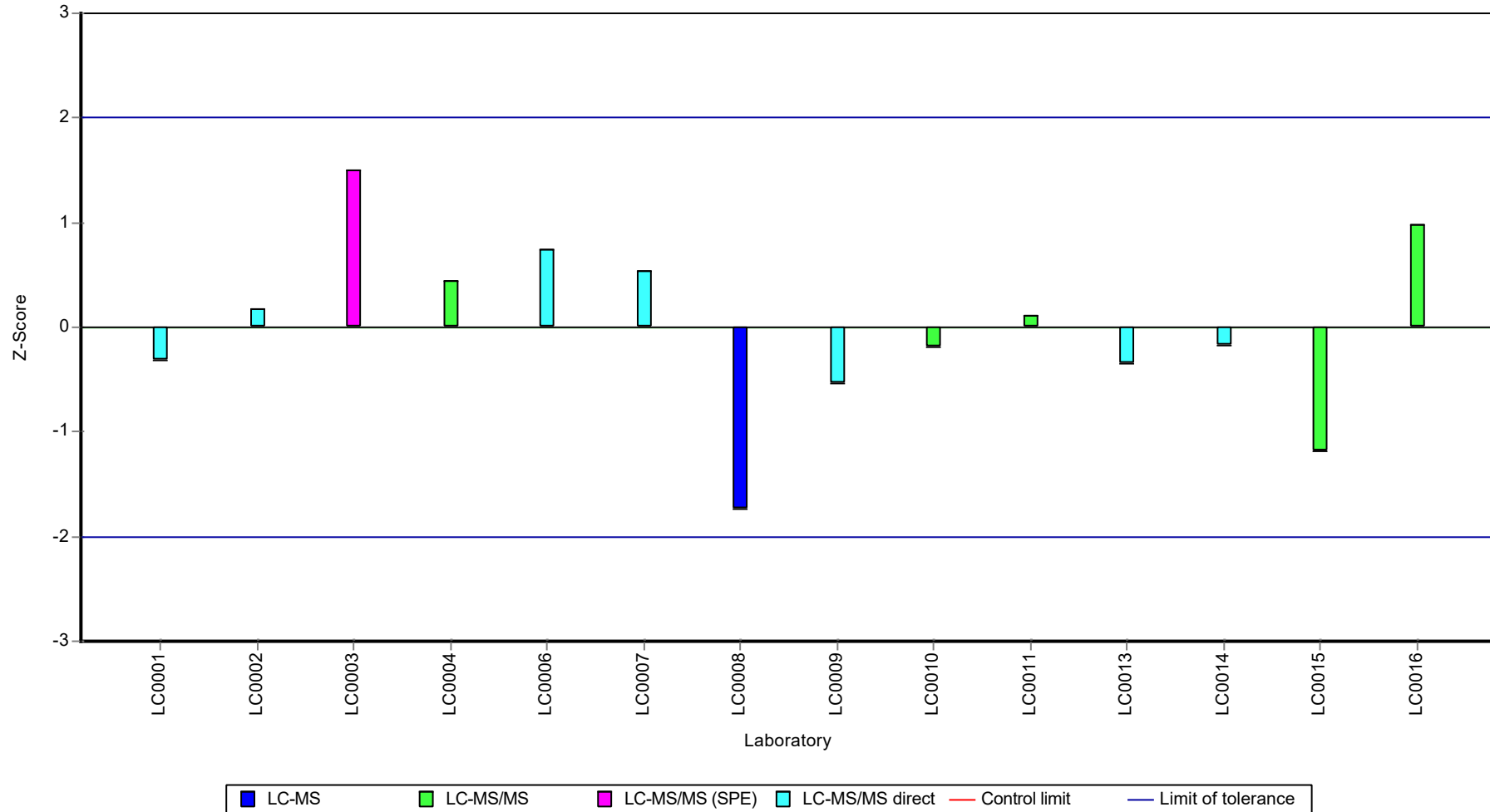
Recovery rate



Parameter oriented report Pesticides H118

Sample: H118B, Parameter: Chloridazon

Z-score



Parameter oriented report Pesticides H118

Sample: H118A, Parameter: Chloridazon-desphenyl

## Parameter oriented report

### H118 A

#### Chloridazon-desphenyl

Unit	µg/l
Assigned value ± U (k=2)	0.188 ± 0.022
Criterion	0.0301 (16 %)
Minimum - Maximum	0.155 - 0.235
Control test value ± U (k=2)	0.147 ± 0.0293

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.17	0.05	90.3	-0.61	
LC0002	0.155	0.03875	82.3	-1.11	
LC0003	-	-	-	-	
LC0004	0.1785	0.0557	94.8	-0.33	
LC0005	-	-	-	-	
LC0006	0.225	0.014	119	1.22	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	-	-	-	-	
LC0010	0.3084	0.0463	164	3.98	H
LC0011	0.235	0.047	125	1.55	
LC0012	-	-	-	-	
LC0013	-	-	-	-	
LC0014	0.161	0.021	85.5	-0.91	
LC0015	0.177	0.053	94	-0.38	
LC0016	0.1719	0.0003	91.3	-0.55	

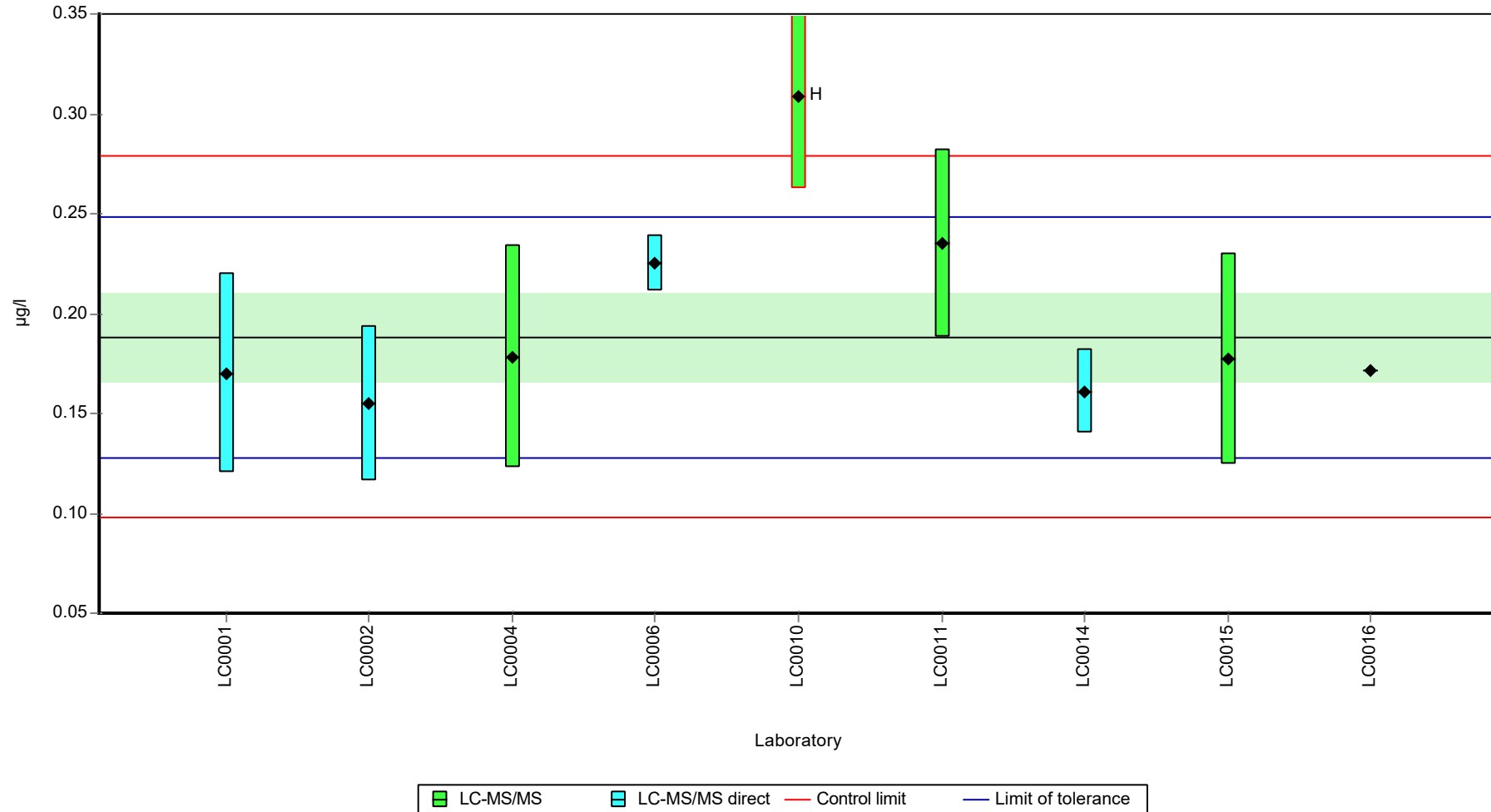
#### Characteristics of parameter

	all results	w ithout outliers	Unit
Mean ± CI (99%)	0.198 ± 0.0497	0.184 ± 0.0312	µg/l
Minimum	0.155	0.155	µg/l
Maximum	0.308	0.235	µg/l
Standard deviation	0.0497	0.0295	µg/l
rel. standard deviation	25.1	16	%
n	9	8	-

Parameter oriented report Pesticides H118

Sample: H118A, Parameter: Chloridazon-desphenyl

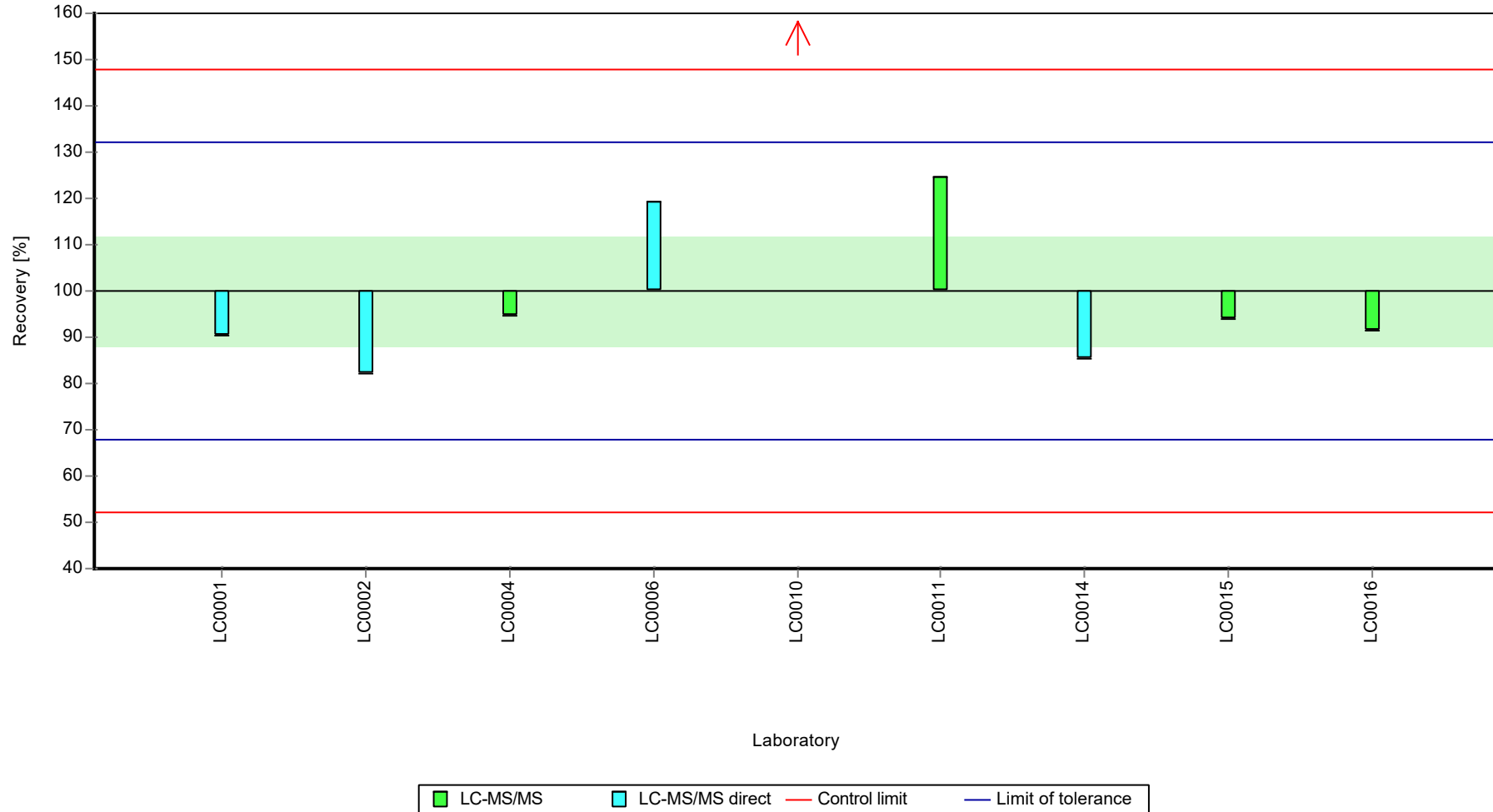
Graphical presentation of results  
Results



Parameter oriented report Pesticides H118

Sample: H118A, Parameter: Chloridazon-desphenyl

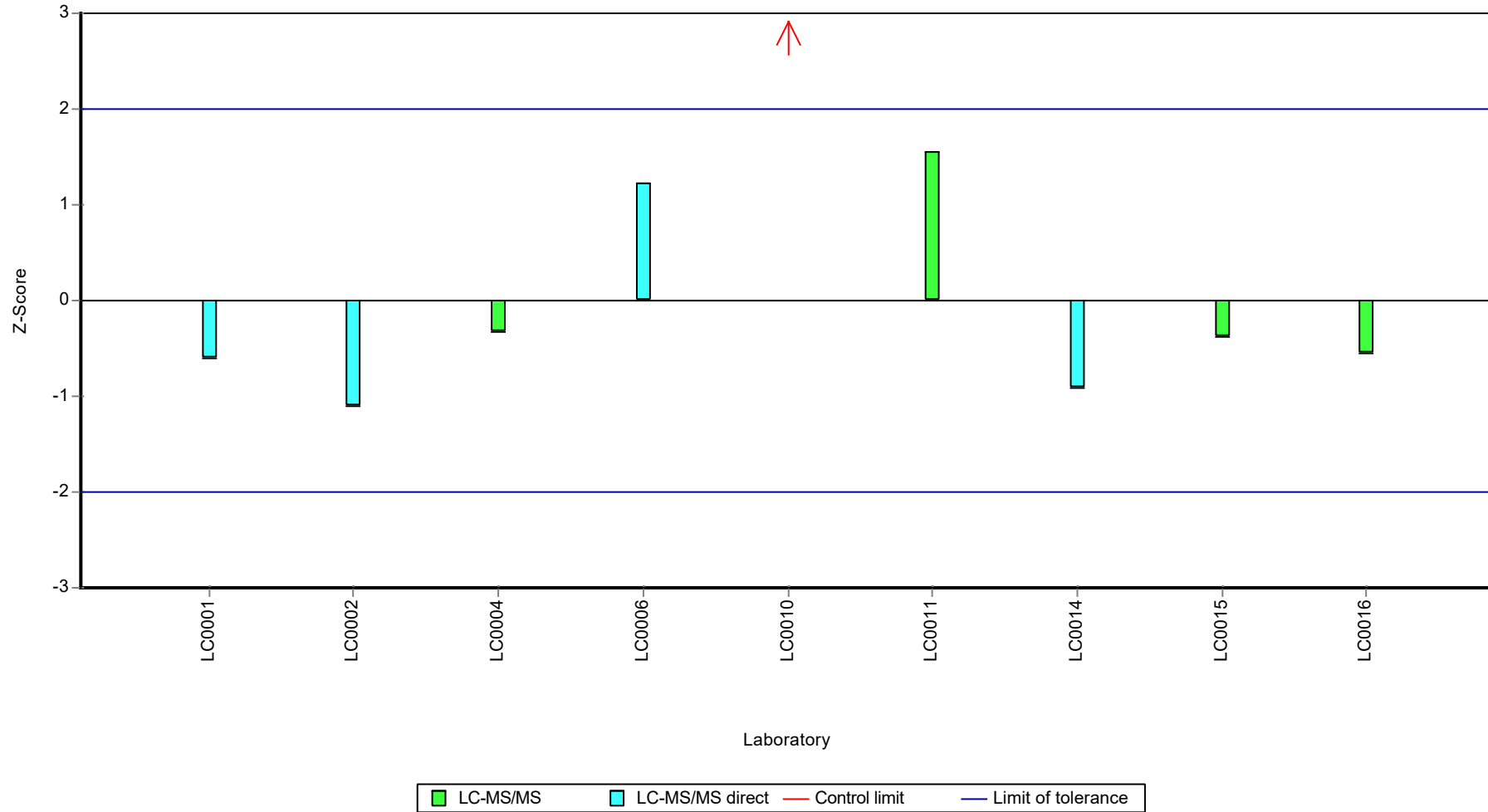
Recovery rate



Parameter oriented report Pesticides H118

Sample: H118A, Parameter: Chloridazon-desphenyl

Z-score





Parameter oriented report Pesticides H118

Sample: H118B, Parameter: Chloridazon-desphenyl

## Parameter oriented report

### H118 B

#### Chloridazon-desphenyl

Unit	µg/l
Assigned value ± U (k=2)	0.316 ± 0.0166
Criterion	0.0348 (11 %)
Minimum - Maximum	0.28 - 0.35
Control test value ± U (k=2)	0.274 ± 0.0548

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.28	0.08	88.5	-1.05	
LC0002	0.30325	0.07581	95.8	-0.38	
LC0003	-	-	-	-	
LC0004	0.3499	0.1093	111	0.96	
LC0005	-	-	-	-	
LC0006	0.294	0.009	92.9	-0.65	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	-	-	-	-	
LC0010	0.4881	0.0732	154	4.93	H
LC0011	0.34	0.068	107	0.68	
LC0012	-	-	-	-	
LC0013	-	-	-	-	
LC0014	0.32	0.042	101	0.1	
LC0015	0.315	0.095	99.5	-0.04	
LC0016	0.3297	0.00058	104	0.38	

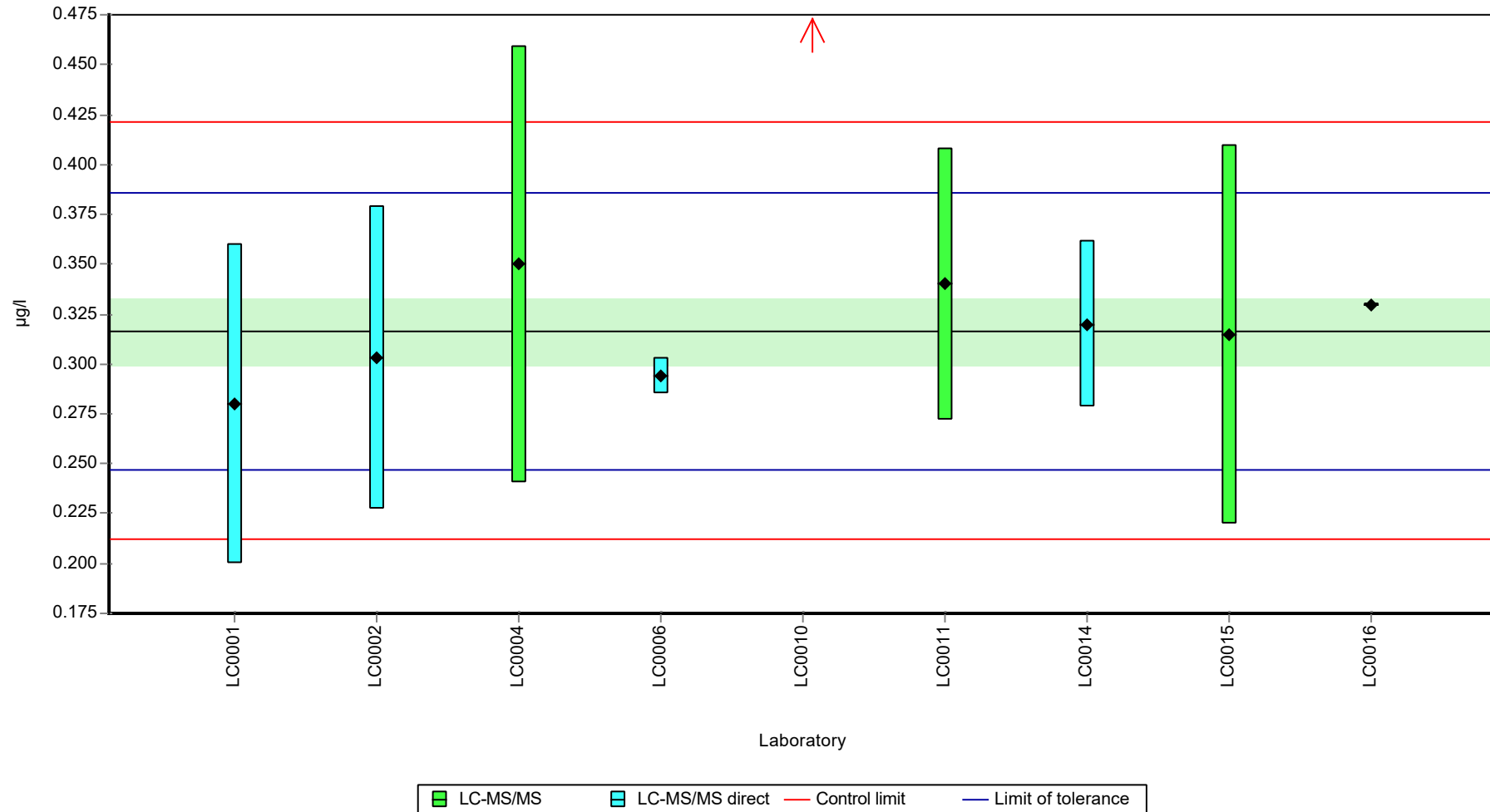
#### Characteristics of parameter

	all results	w ithout outliers	Unit
Mean ± CI (99%)	0.336 ± 0.0613	0.316 ± 0.0249	µg/l
Minimum	0.28	0.28	µg/l
Maximum	0.488	0.35	µg/l
Standard deviation	0.0613	0.0235	µg/l
rel. standard deviation	18.3	7.43	%
n	9	8	-

Parameter oriented report Pesticides H118

Sample: H118B, Parameter: Chloridazon-desphenyl

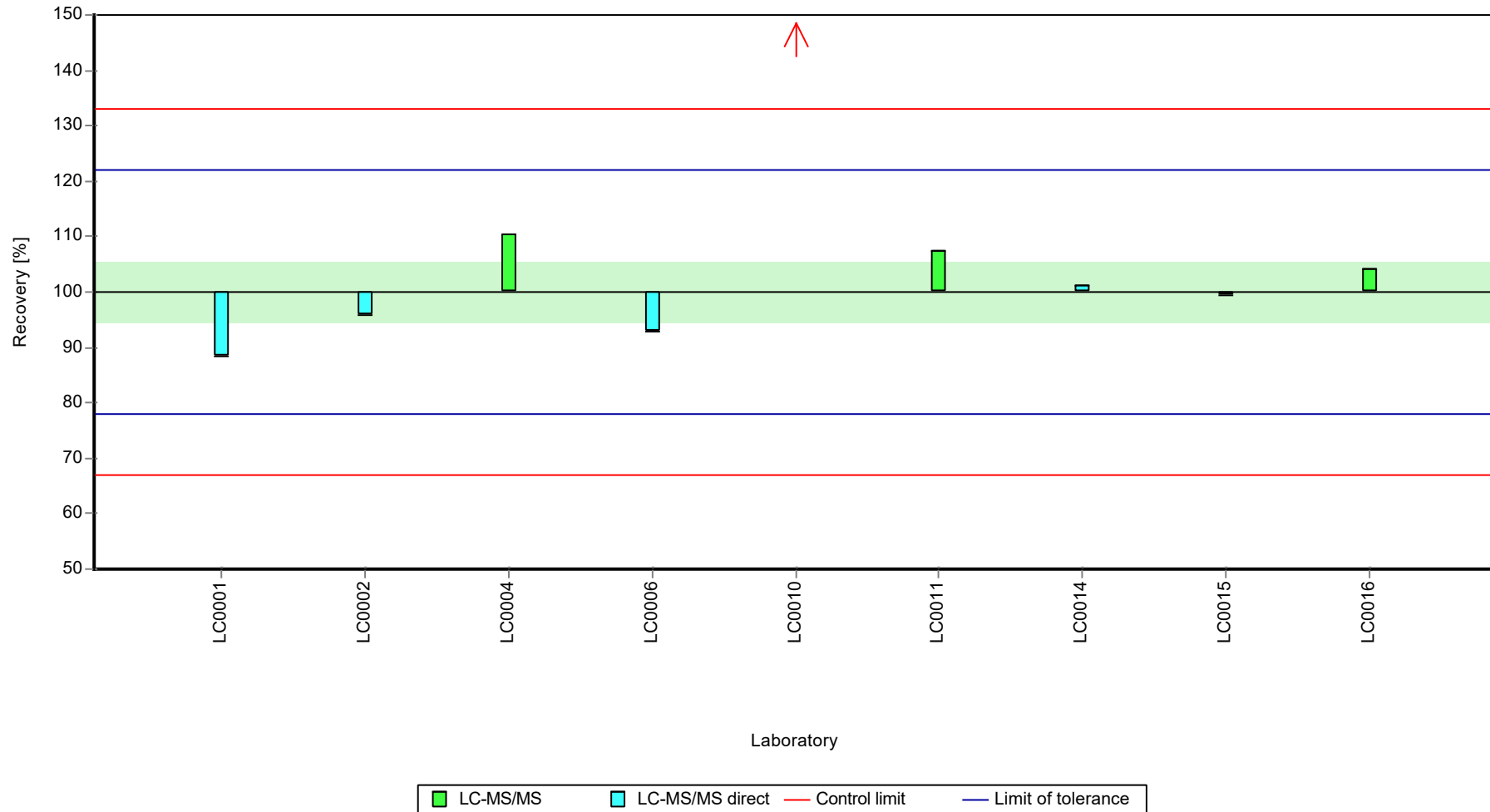
Graphical presentation of results  
 Results



Parameter oriented report Pesticides H118

Sample: H118B, Parameter: Chloridazon-desphenyl

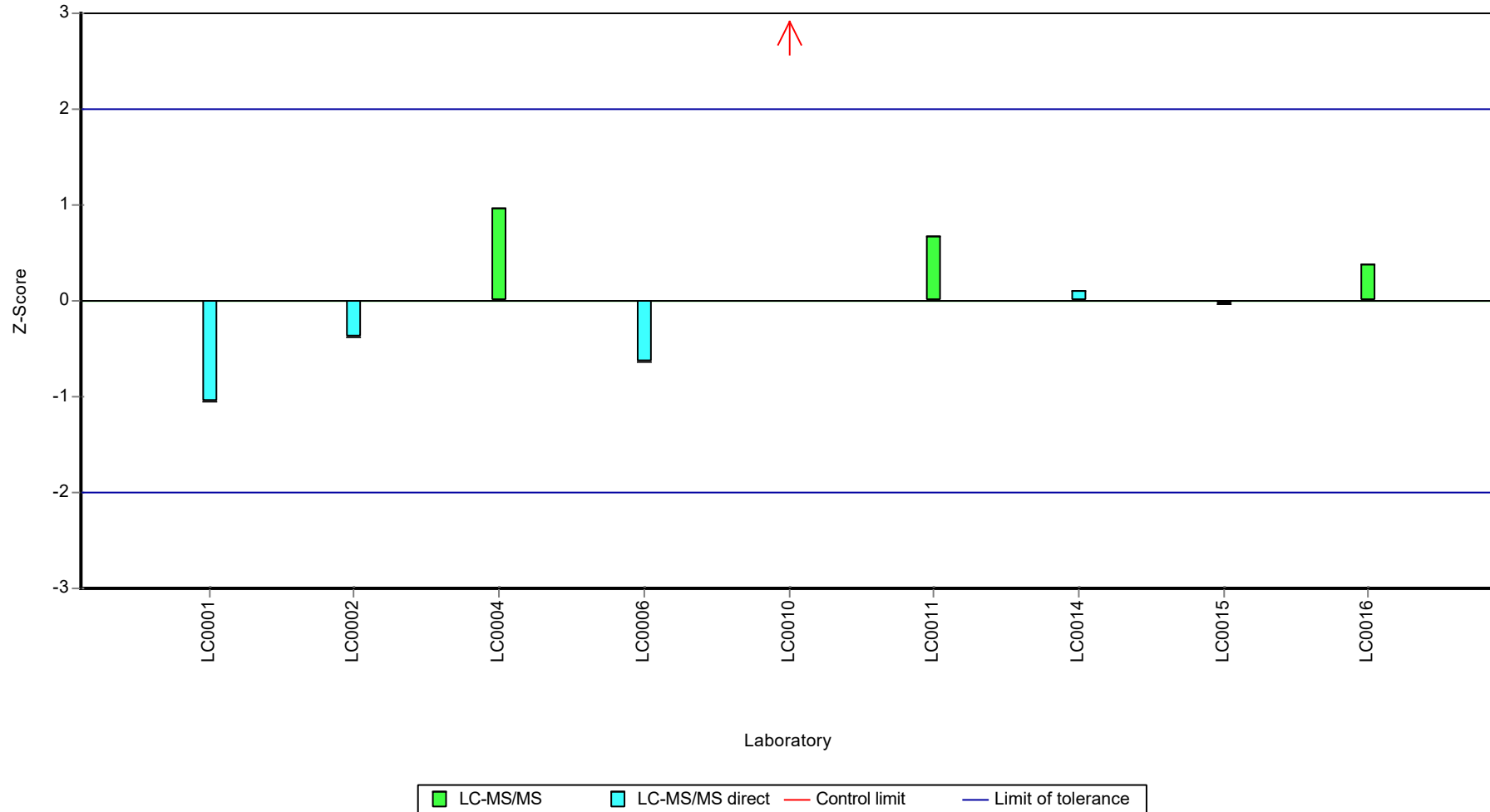
Recovery rate



Parameter oriented report Pesticides H118

Sample: H118B, Parameter: Chloridazon-desphenyl

Z-score



Parameter oriented report Pesticides H118

Sample: H118A, Parameter: Chloridazon-methyl-desphenyl

## Parameter oriented report

### H118 A

#### Chloridazon-methyl-desphenyl

Unit	µg/l
Assigned value ± U (k=2)	0.585 ± 0.046
Criterion	0.076 (13 %)
Minimum - Maximum	0.482 - 0.721
Control test value ± U (k=2)	0.612 ± 0.0918

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.55	0.17	94	-0.46	
LC0002	0.48165	0.12041	82.4	-1.36	
LC0003	-	-	-	-	
LC0004	0.5013	0.3811	85.7	-1.1	
LC0005	-	-	-	-	
LC0006	0.593	0.055	101	0.11	
LC0007	0.721	0.26	123	1.79	
LC0008	-	-	-	-	
LC0009	-	-	-	-	
LC0010	0.5737	0.086	98.1	-0.15	
LC0011	0.67	0.134	115	1.12	
LC0012	-	-	-	-	
LC0013	-	-	-	-	
LC0014	0.544	0.048	93	-0.54	
LC0015	0.597	0.179	102	0.16	
LC0016	0.6164	0.00083	105	0.42	

#### Characteristics of parameter

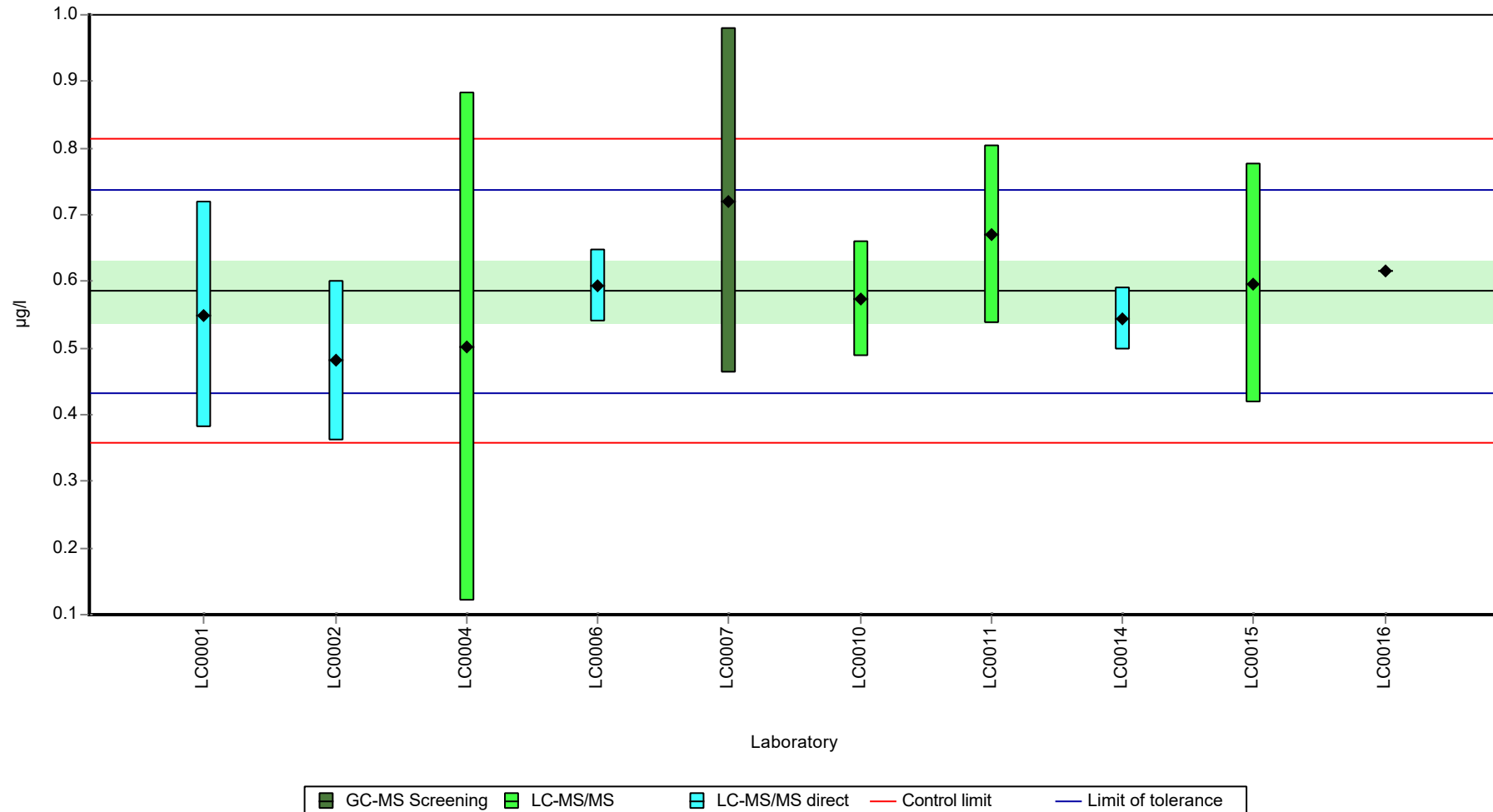
	all results	w ithout outliers	Unit
Mean ± CI (99%)	0.585 ± 0.069	0.585 ± 0.069	µg/l
Minimum	0.482	0.482	µg/l
Maximum	0.721	0.721	µg/l
Standard deviation	0.0728	0.0728	µg/l
rel. standard deviation	12.4	12.4	%
n	10	10	-

Parameter oriented report Pesticides H118

Sample: H118A, Parameter: Chloridazon-methyl-desphenyl

Graphical presentation of results

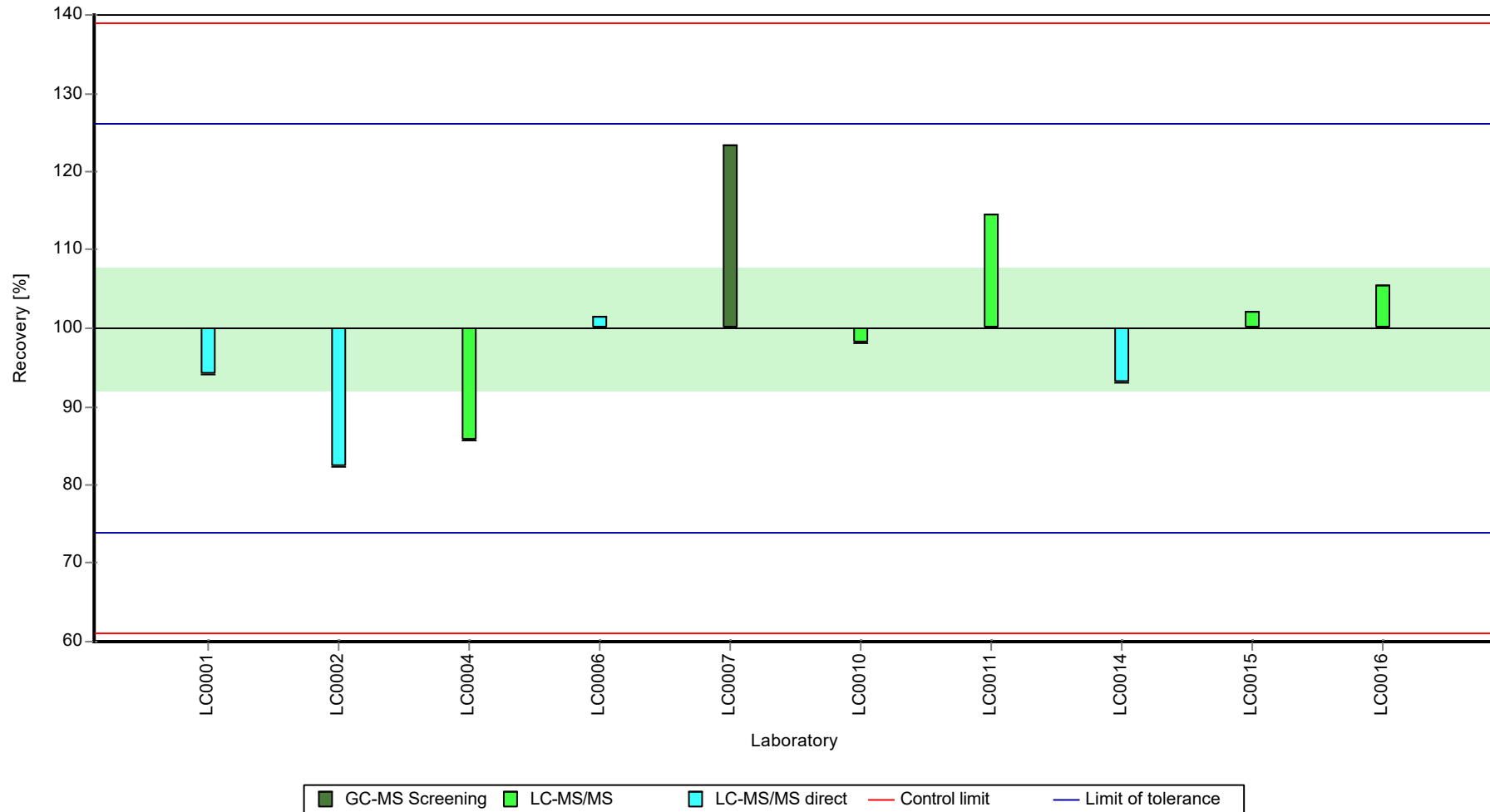
Results



Parameter oriented report Pesticides H118

Sample: H118A, Parameter: Chloridazon-methyl-desphenyl

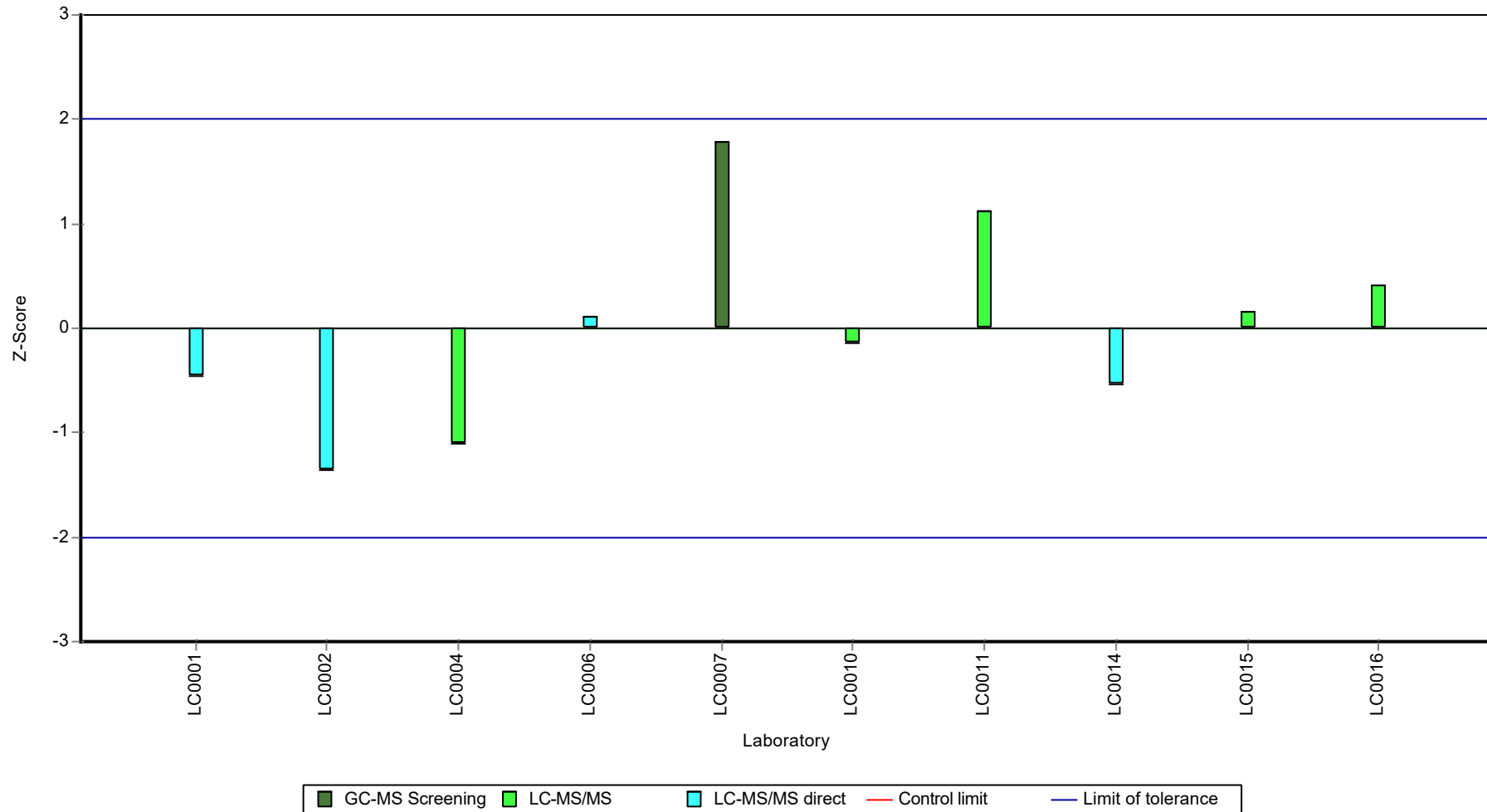
Recovery rate



Parameter oriented report Pesticides H118

Sample: H118A, Parameter: Chloridazon-methyl-desphenyl

Z-score





Parameter oriented report Pesticides H118

Sample: H118B, Parameter: Chloridazon-methyl-desphenyl

## Parameter oriented report

### H118 B

#### Chloridazon-methyl-desphenyl

Unit	µg/l
Assigned value ± U (k=2)	0.582 ± 0.029
Criterion	0.0756 (13 %)
Minimum - Maximum	0.521 - 0.679
Control test value ± U (k=2)	0.568 ± 0.0851

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.58	0.17	99.7	-0.02	
LC0002	0.5209	0.13023	89.6	-0.8	
LC0003	-	-	-	-	
LC0004	0.5505	0.4185	94.7	-0.41	
LC0005	-	-	-	-	
LC0006	0.591	0.055	102	0.12	
LC0007	1.004	0.361	173	5.59	H
LC0008	-	-	-	-	
LC0009	-	-	-	-	
LC0010	0.558	0.0837	95.9	-0.31	
LC0011	0.6	0.12	103	0.24	
LC0012	-	-	-	-	
LC0013	-	-	-	-	
LC0014	0.571	0.077	98.2	-0.14	
LC0015	0.584	0.175	100	0.03	
LC0016	0.6787	0.00092	117	1.28	

#### Characteristics of parameter

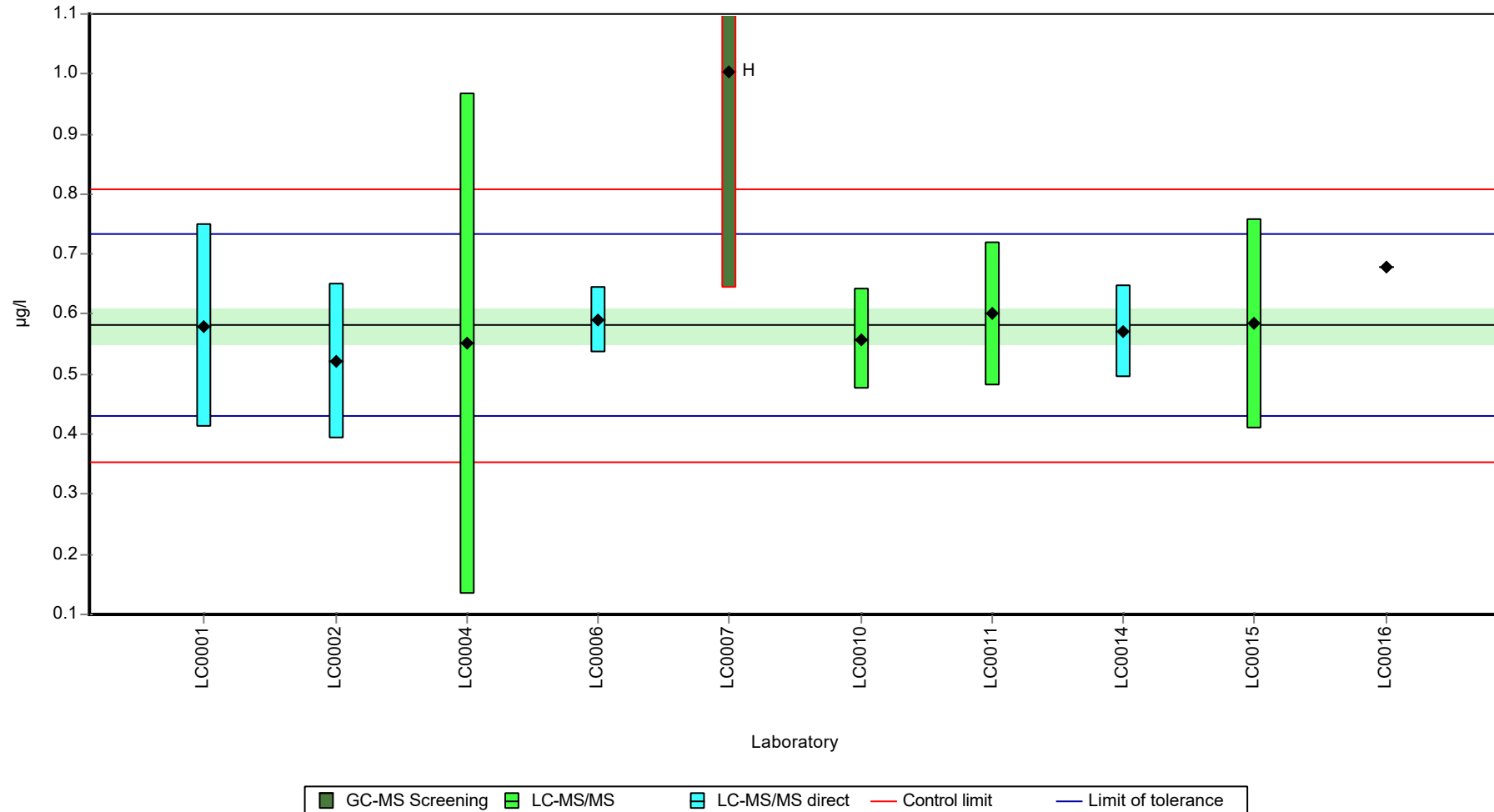
	all results	w ithout outliers	Unit
Mean ± CI (99%)	0.624 ± 0.133	0.582 ± 0.0436	µg/l
Minimum	0.521	0.521	µg/l
Maximum	1	0.679	µg/l
Standard deviation	0.14	0.0436	µg/l
rel. standard deviation	22.4	7.49	%
n	10	9	-

Parameter oriented report Pesticides H118

Sample: H118B, Parameter: Chloridazon-methyl-desphenyl

Graphical presentation of results

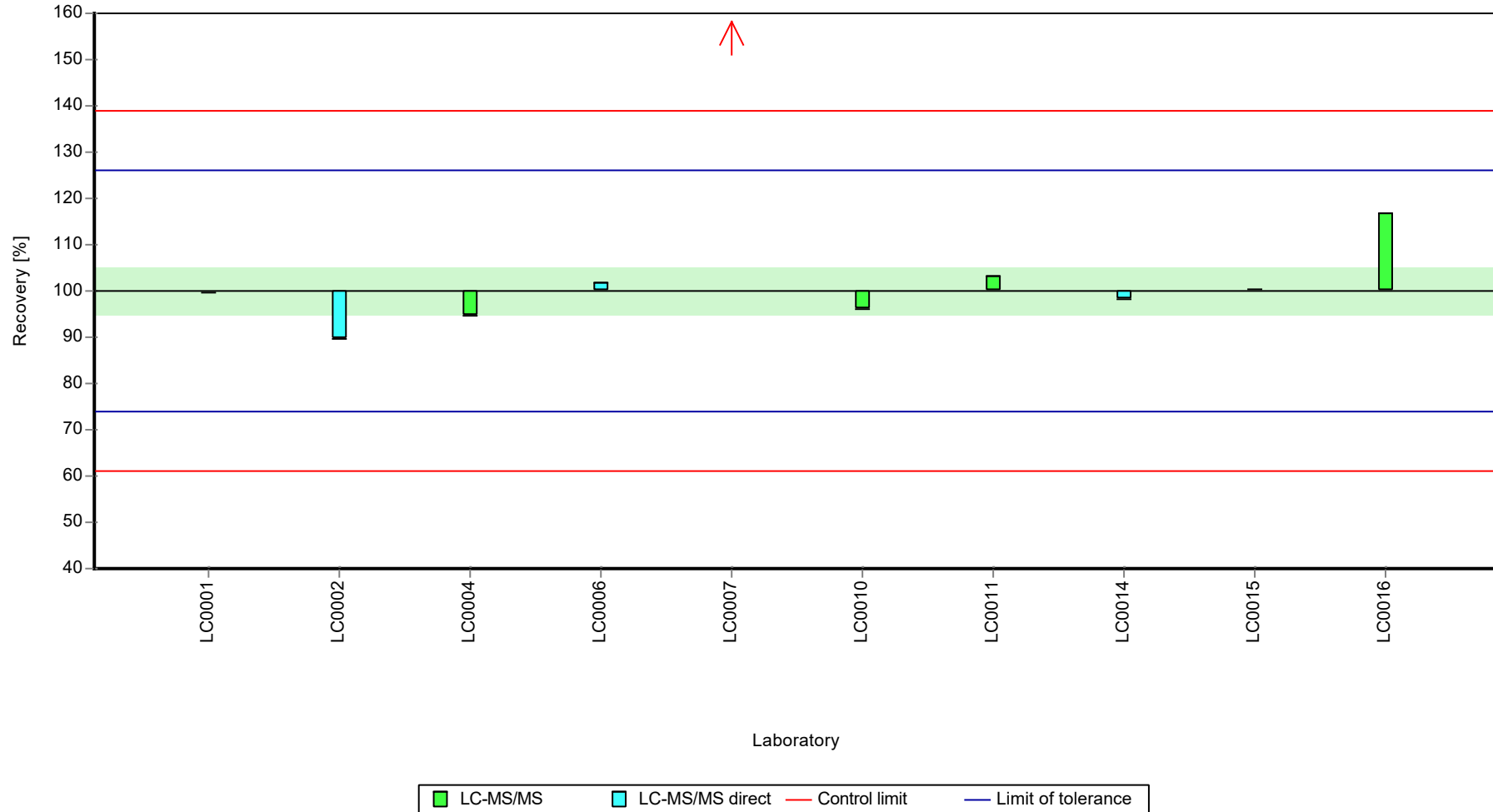
Results



Parameter oriented report Pesticides H118

Sample: H118B, Parameter: Chloridazon-methyl-desphenyl

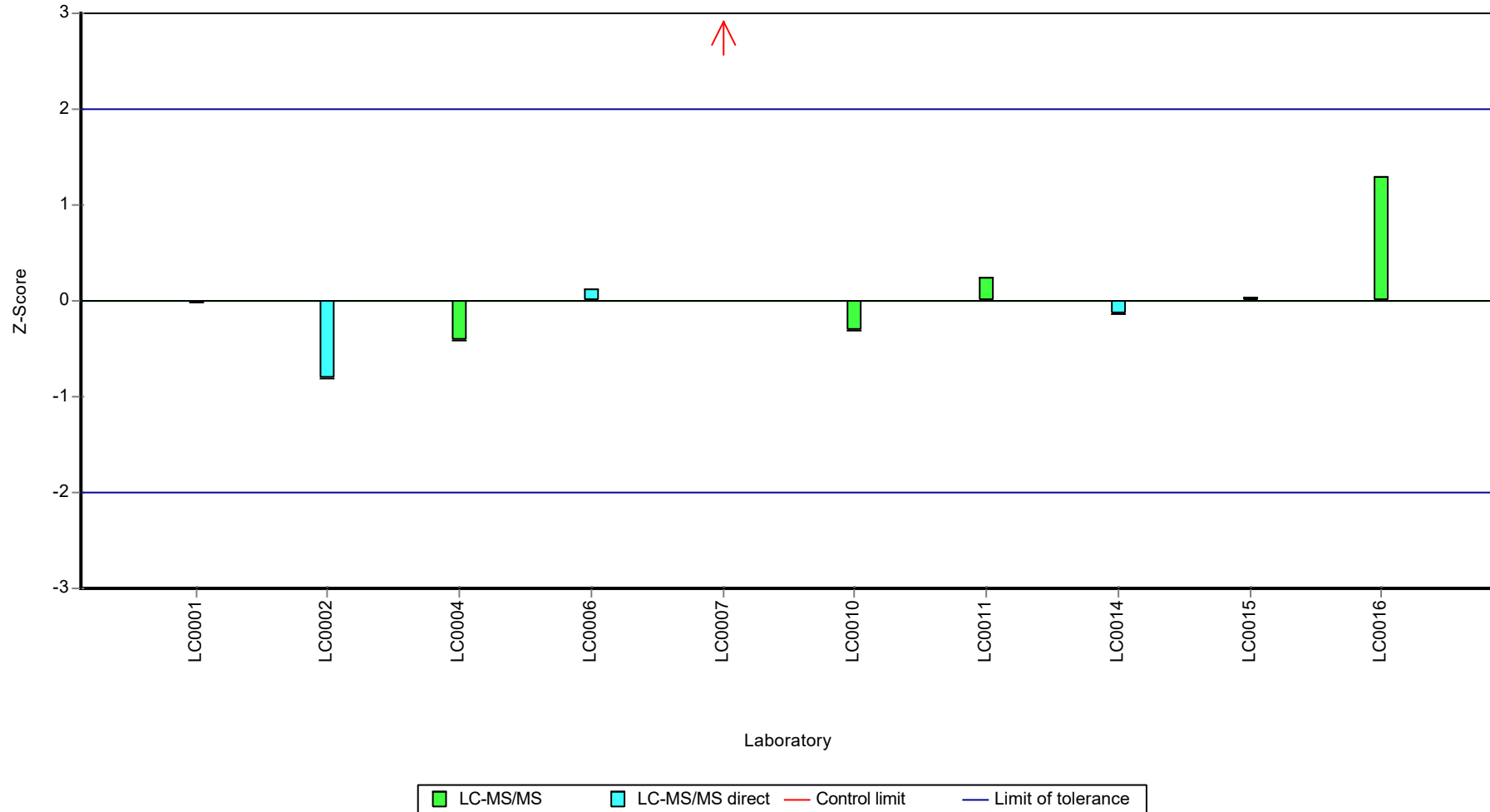
Recovery rate



Parameter oriented report Pesticides H118

Sample: H118B, Parameter: Chloridazon-methyl-desphenyl

Z-score



Parameter oriented report Pesticides H118

Sample: H118A, Parameter: Clopyralid

## Parameter oriented report

### H118 A

#### Clopyralid

Unit	µg/l
Assigned value ± U (k=2)	0.486 ± 0.075
Criterion	0.0972 (20 %)
Minimum - Maximum	0.359 - 0.58
Control test value ± U (k=2)	0.409 ± 0.0818

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	0.558	0.098	115	0.74	
LC0004	-	-	-	-	
LC0005	-	-	-	-	
LC0006	0.417	0.007	85.8	-0.71	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	-	-	-	-	
LC0010	0.5799	0.087	119	0.96	
LC0011	0.359	0.09	73.8	-1.31	
LC0012	0.56	0.084	115	0.76	
LC0013	0.443	0.01	91.1	-0.44	
LC0014	-	-	-	-	
LC0015	-	-	-	-	
LC0016	-	-	-	-	

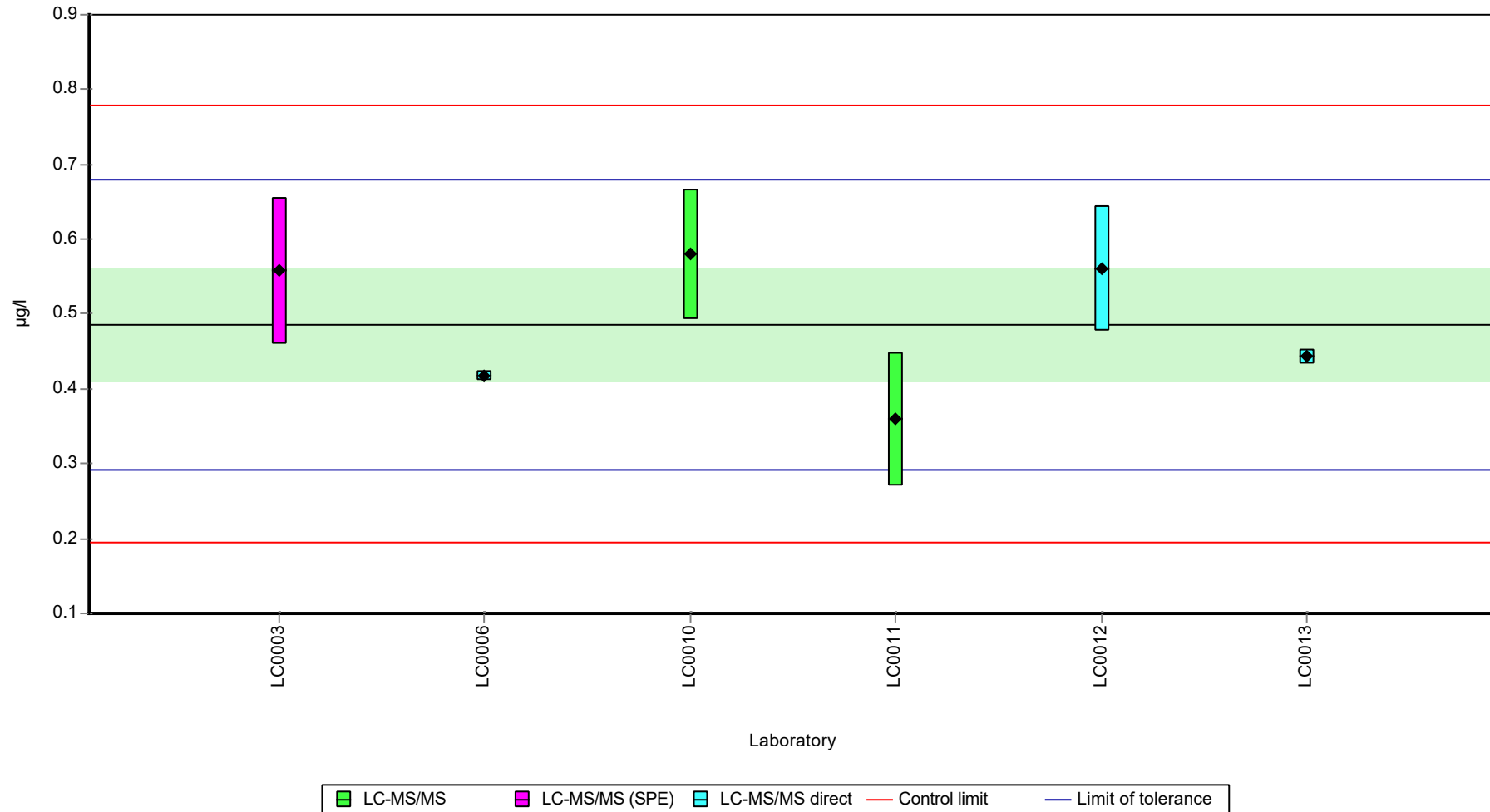
#### Characteristics of parameter

	all results	w ithout outliers	Unit
Mean ± CI (99%)	0.486 ± 0.113	0.486 ± 0.113	µg/l
Minimum	0.359	0.359	µg/l
Maximum	0.58	0.58	µg/l
Standard deviation	0.0919	0.0919	µg/l
rel. standard deviation	18.9	18.9	%
n	6	6	-

Parameter oriented report Pesticides H118

Sample: H118A, Parameter: Clopyralid

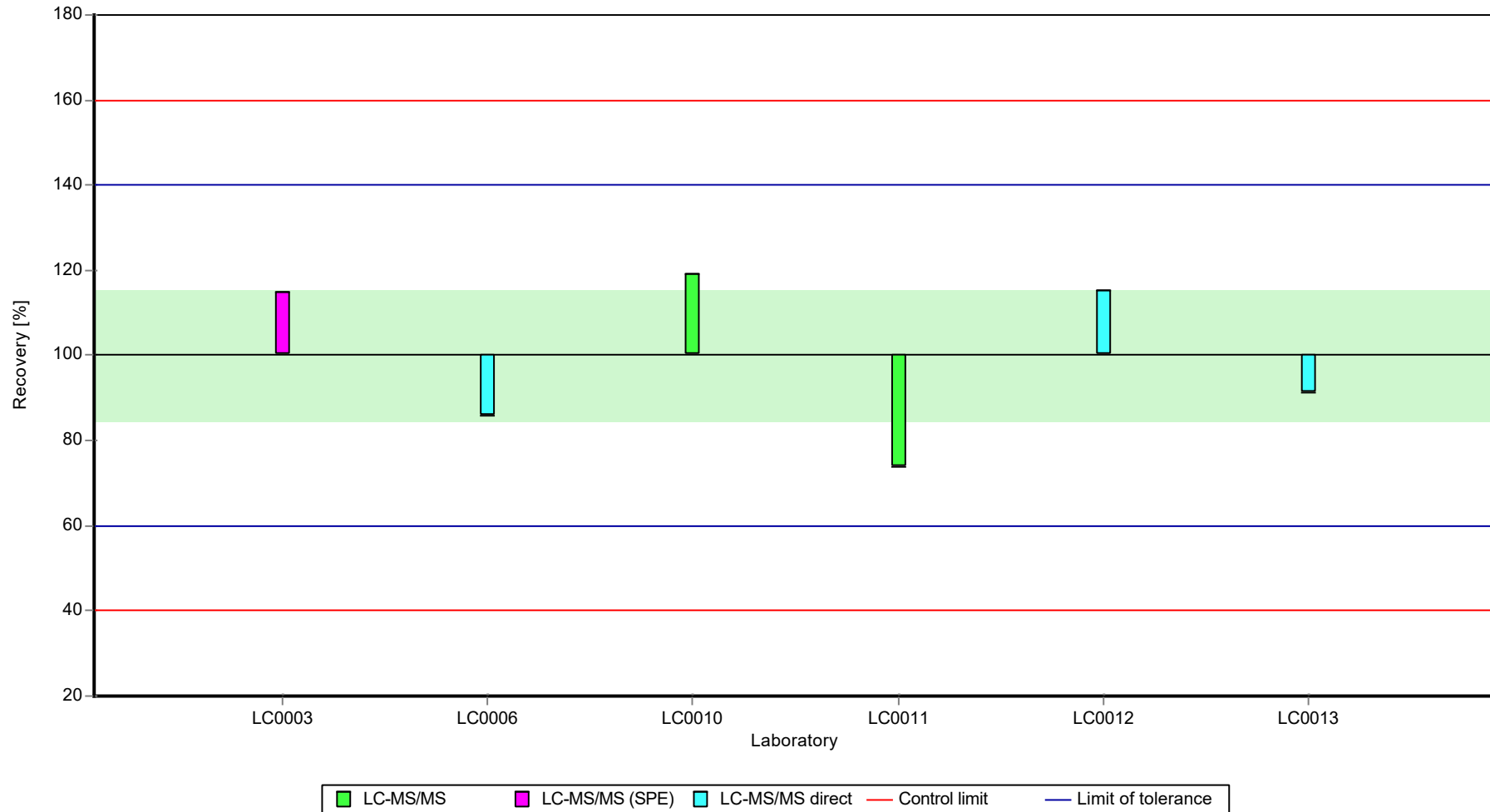
Graphical presentation of results  
 Results



Parameter oriented report Pesticides H118

Sample: H118A, Parameter: Clopyralid

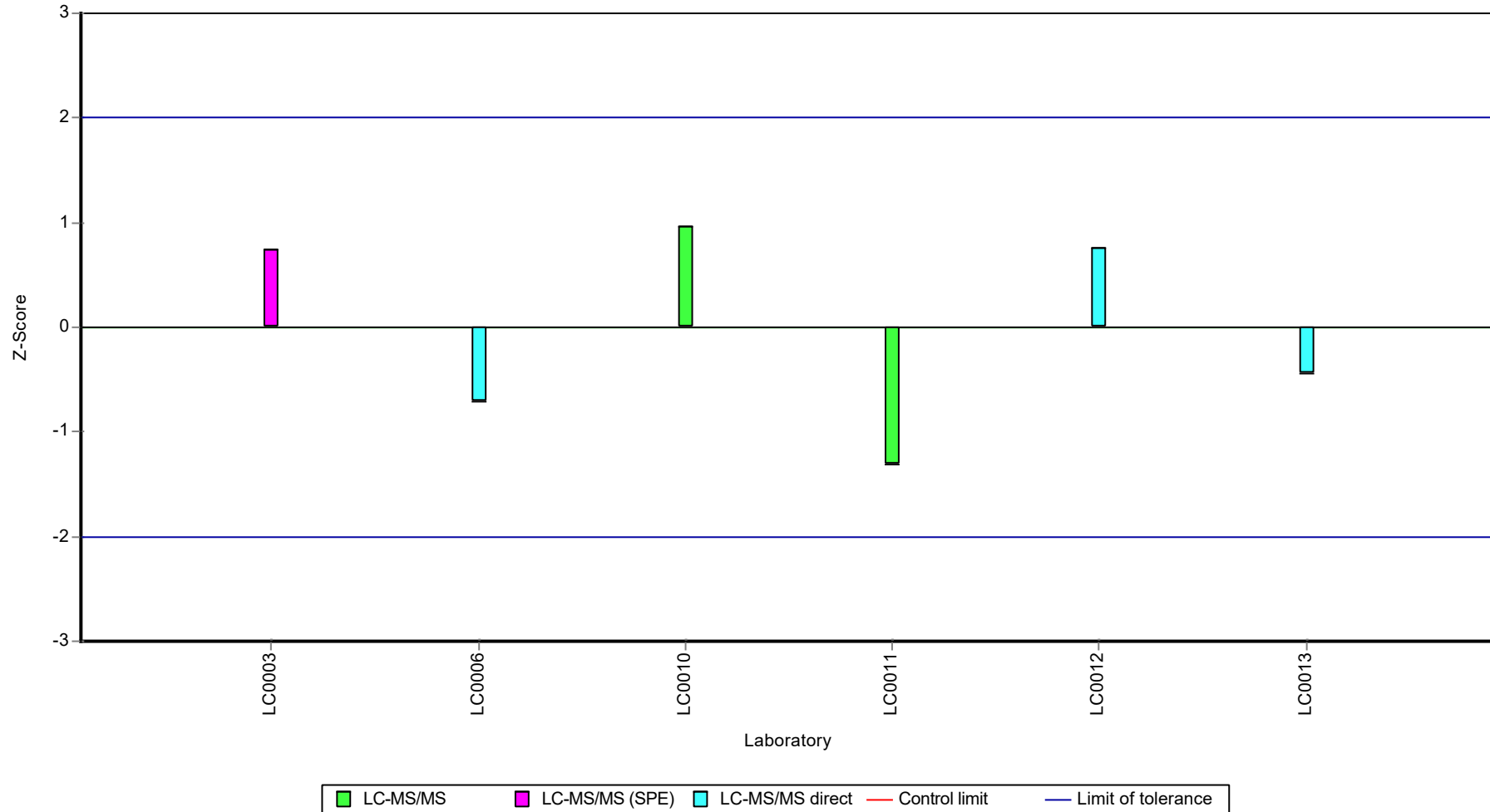
Recovery rate



Parameter oriented report Pesticides H118

Sample: H118A, Parameter: Clopyralid

Z-score





Parameter oriented report Pesticides H118

Sample: H118B, Parameter: Clopyralid

## Parameter oriented report

### H118 B

#### Clopyralid

Unit	µg/l
Assigned value ± U (k=2)	0.806 ± 0.12
Criterion	0.161 (20 %)
Minimum - Maximum	0.615 - 0.942
Control test value ± U (k=2)	0.695 ± 0.139

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	0.926	0.162	115	0.74	
LC0004	-	-	-	-	
LC0005	-	-	-	-	
LC0006	0.839	0.026	104	0.2	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	-	-	-	-	
LC0010	0.8875	0.1331	110	0.5	
LC0011	0.628	0.157	77.9	-1.11	
LC0012	0.942	0.141	117	0.84	
LC0013	0.615	0.037	76.3	-1.19	
LC0014	-	-	-	-	
LC0015	-	-	-	-	
LC0016	-	-	-	-	

#### Characteristics of parameter

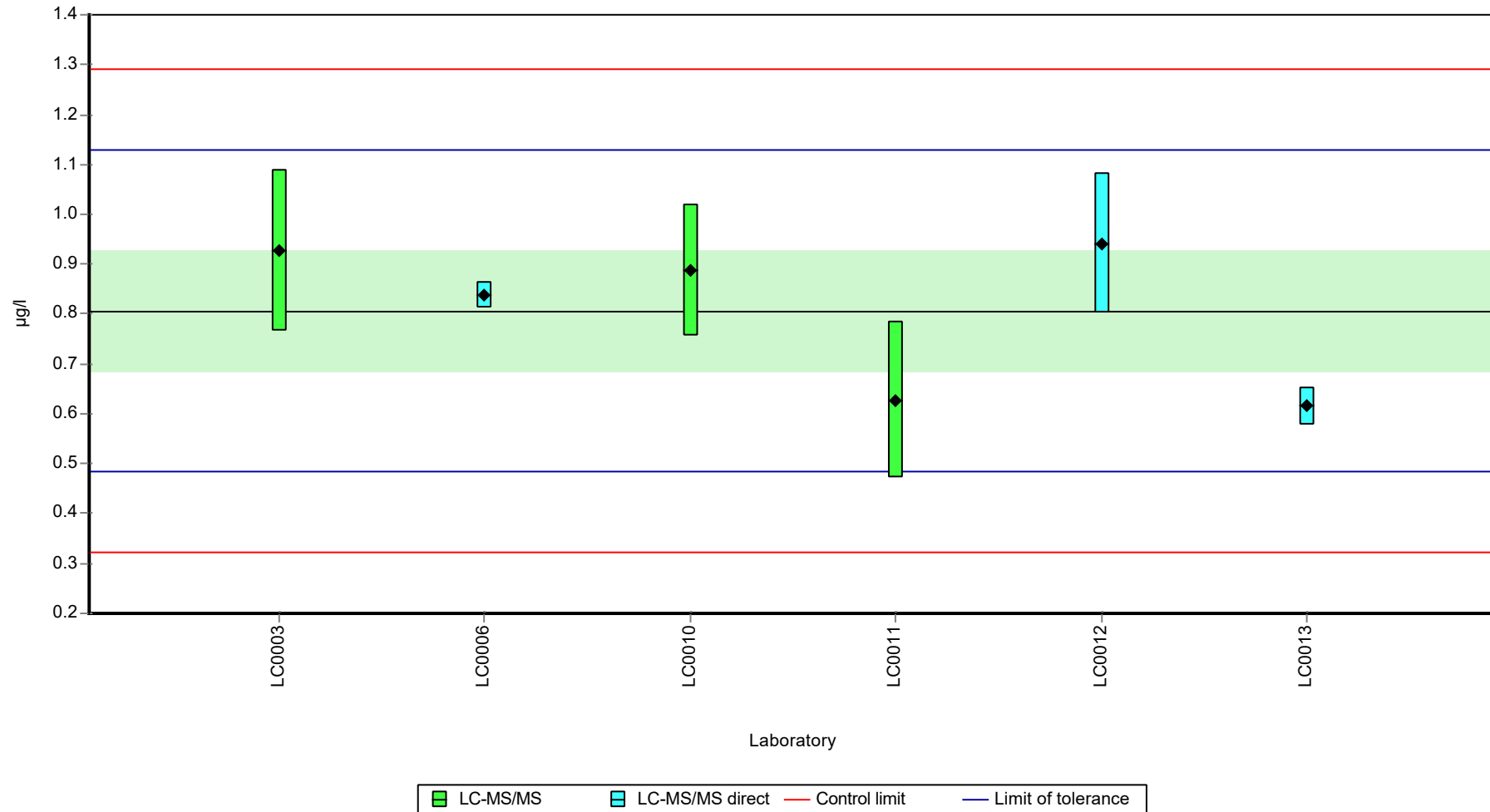
	all results	without outliers	Unit
Mean ± CI (99%)	0.806 ± 0.181	0.806 ± 0.181	µg/l
Minimum	0.615	0.615	µg/l
Maximum	0.942	0.942	µg/l
Standard deviation	0.148	0.148	µg/l
rel. standard deviation	18.3	18.3	%
n	6	6	-

Parameter oriented report Pesticides H118

Sample: H118B, Parameter: Clopyralid

Graphical presentation of results

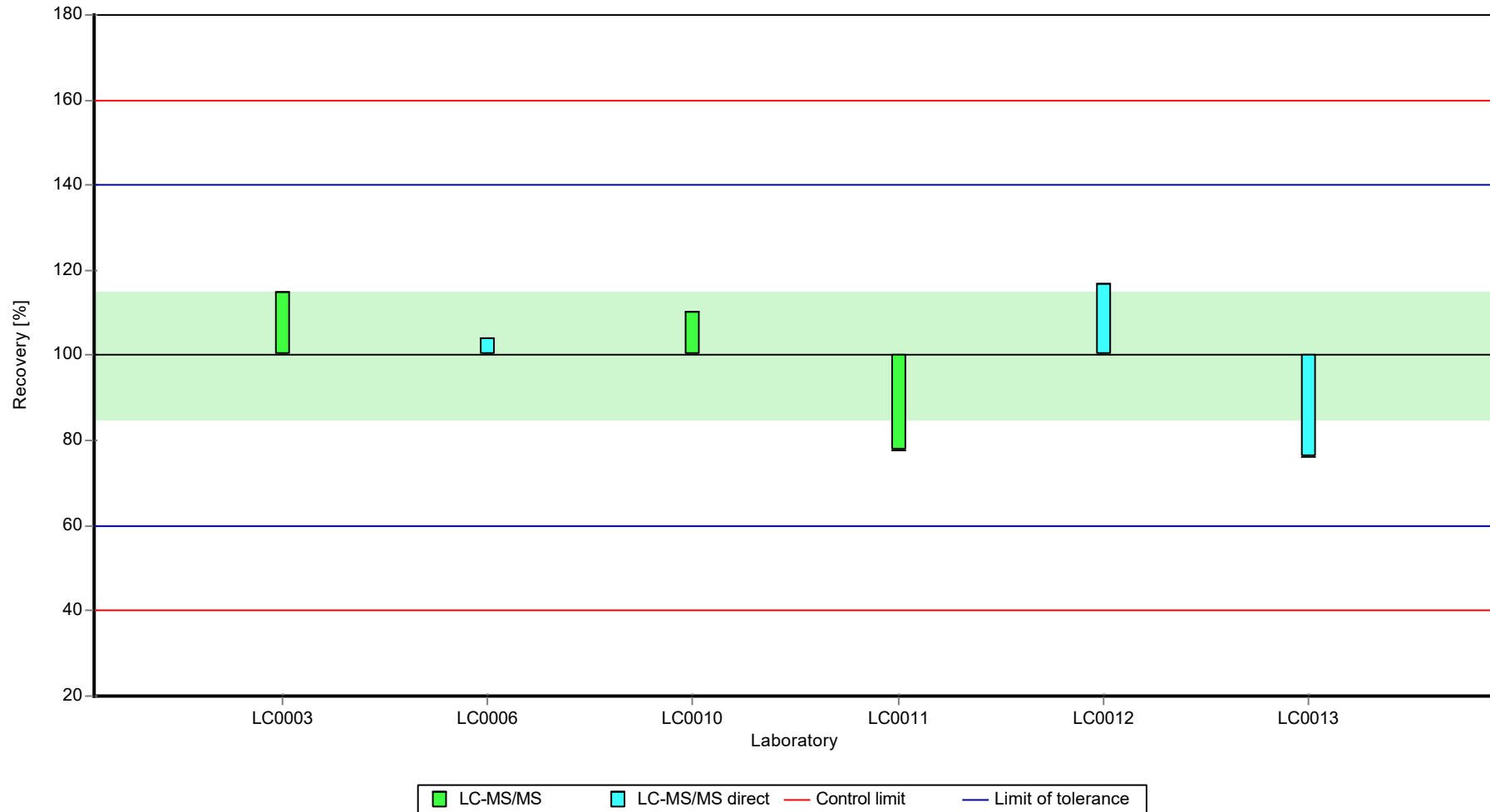
Results



Parameter oriented report Pesticides H118

Sample: H118B, Parameter: Clopyralid

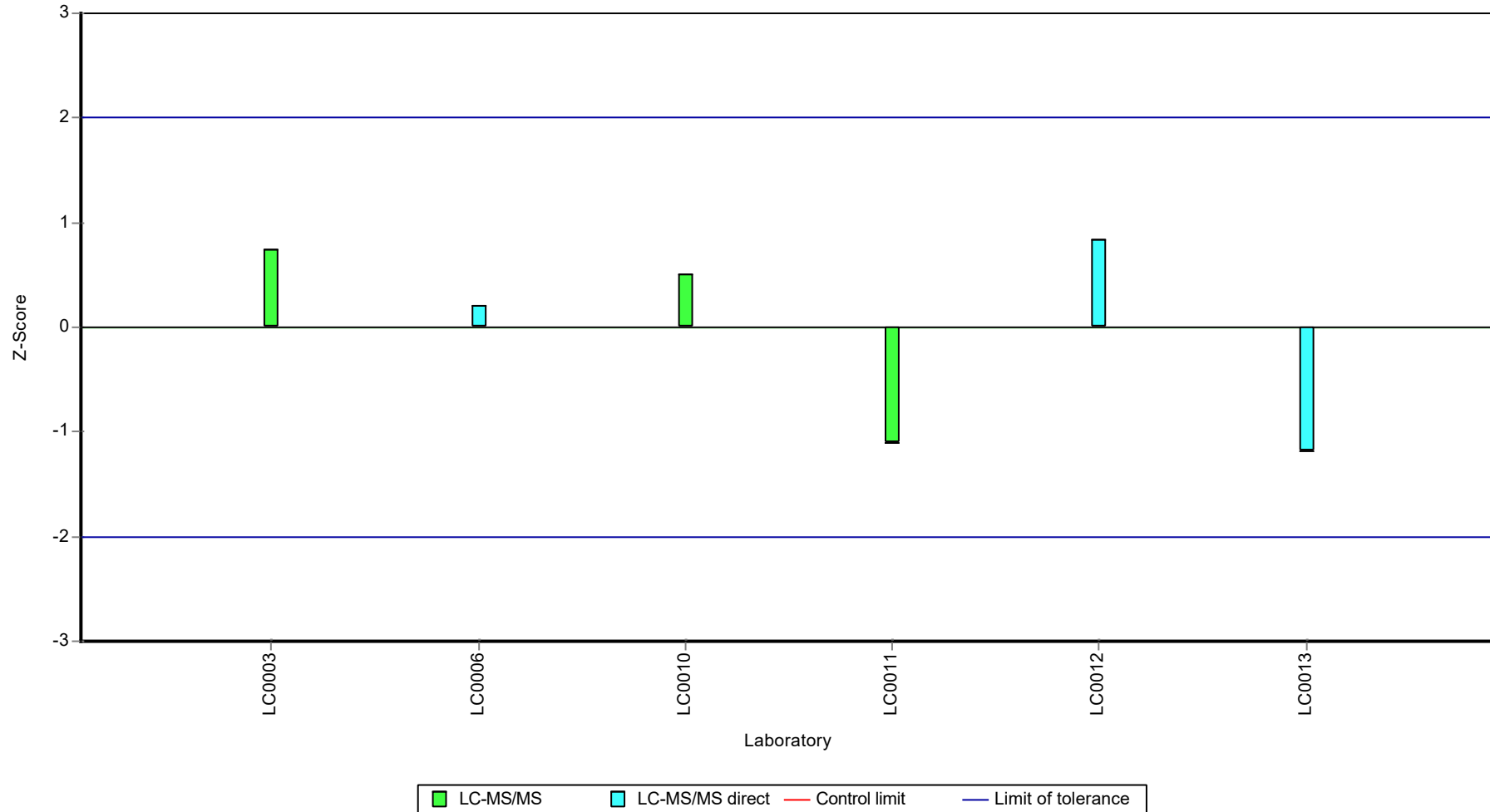
Recovery rate



Parameter oriented report Pesticides H118

Sample: H118B, Parameter: Clopyralid

Z-score



## Parameter oriented report

### H118 A

#### Cyanazine

Unit	µg/l
Assigned value ± U (k=2)	0.833 ± 0.0363
Criterion	0.117 (14 %)
Minimum - Maximum	0.722 - 0.895
Control test value ± U (k=2)	0.839 ± 0.294

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.79	0.24	94.8	-0.37	
LC0002	-	-	-	-	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	0.849	0.17	102	0.13	
LC0006	0.895	0.021	107	0.53	
LC0007	-	-	-	-	
LC0008	0.839	0.047	101	0.05	
LC0009	0.87	0.204	104	0.31	
LC0010	-	-	-	-	
LC0011	0.496	0.099	59.5	-2.89	H
LC0012	0.894	0.134	107	0.52	
LC0013	0.817	0.013	98	-0.14	
LC0014	0.825	0.077	99	-0.07	
LC0015	0.722	0.217	86.6	-0.96	
LC0016	-	-	-	-	

#### Characteristics of parameter

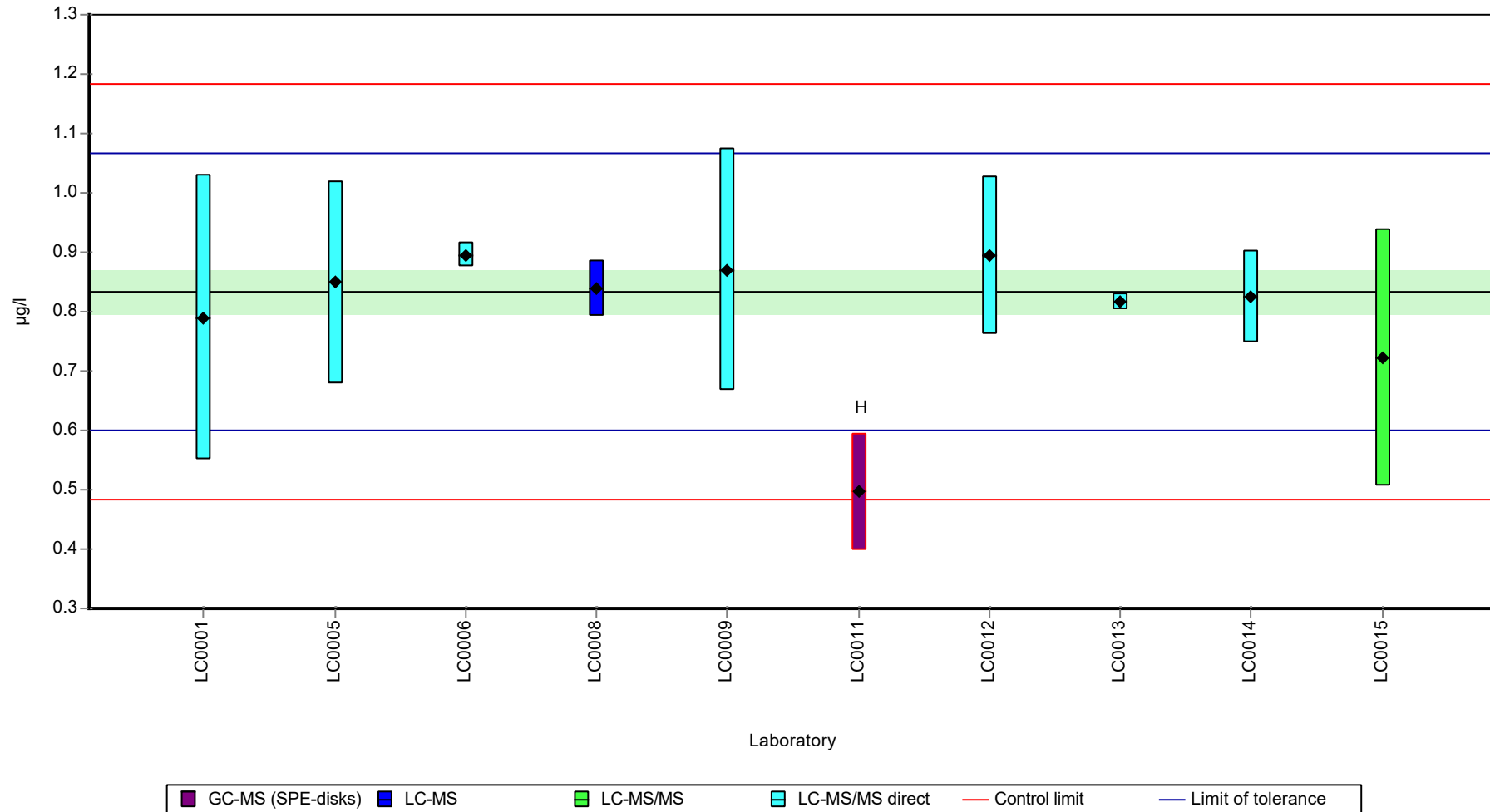
	all results	w ithout outliers	Unit
Mean ± CI (99%)	0.8 ± 0.112	0.833 ± 0.0544	µg/l
Minimum	0.496	0.722	µg/l
Maximum	0.895	0.895	µg/l
Standard deviation	0.118	0.0544	µg/l
rel. standard deviation	14.8	6.53	%
n	10	9	-

Parameter oriented report Pesticides H118

Sample: H118A, Parameter: Cyanazine

Graphical presentation of results

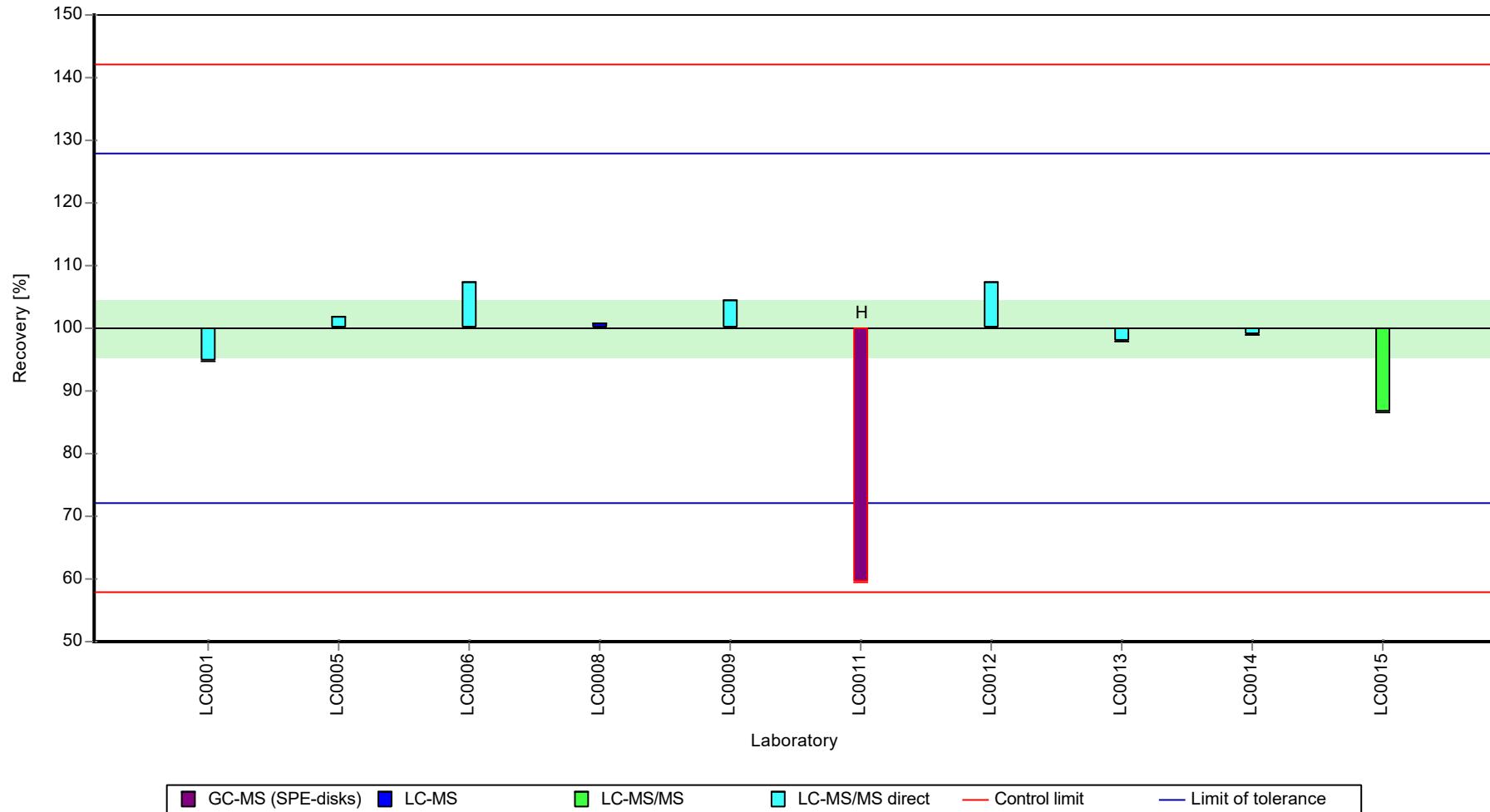
Results



Parameter oriented report Pesticides H118

Sample: H118A, Parameter: Cyanazine

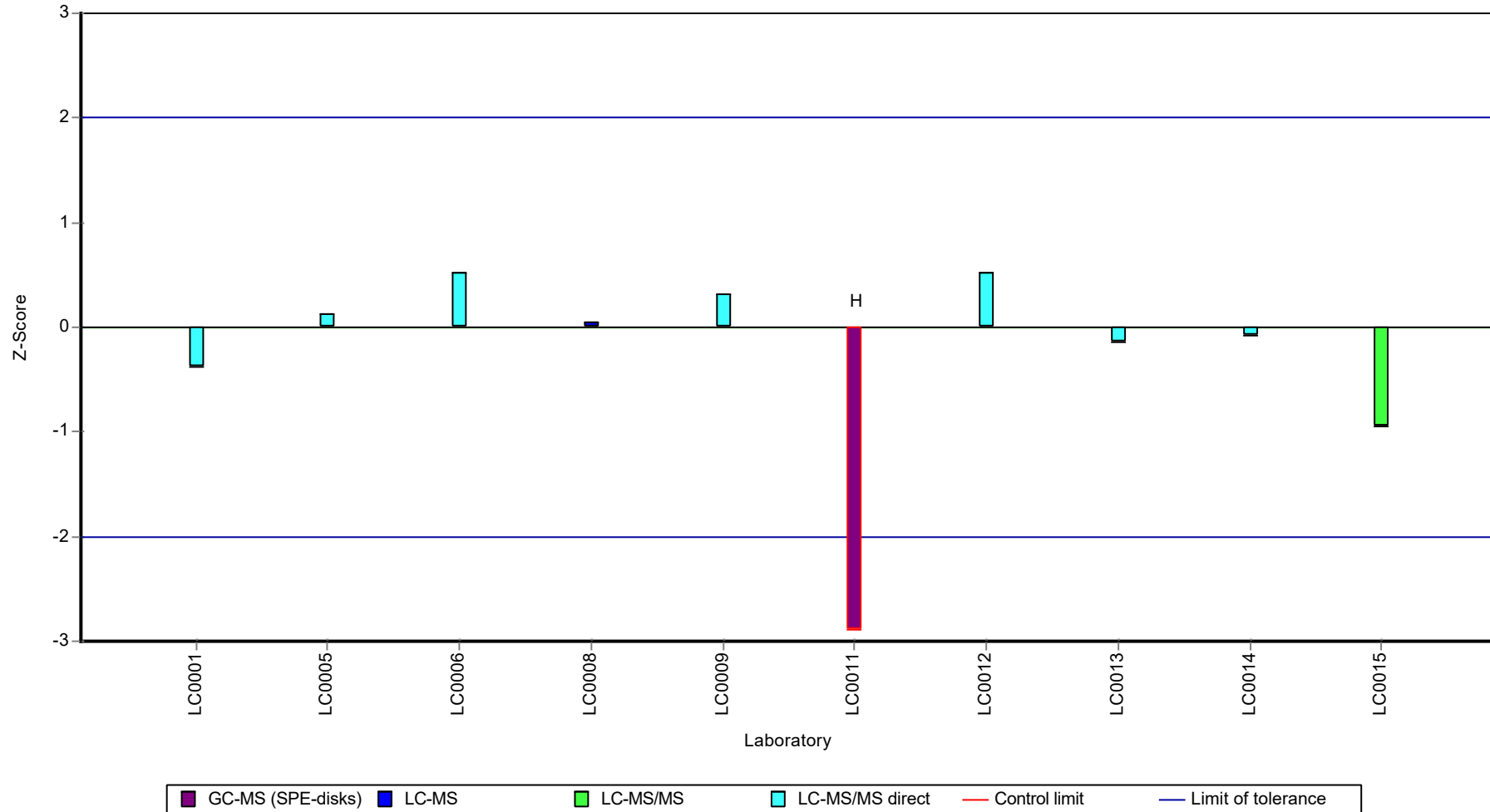
Recovery rate



Parameter oriented report Pesticides H118

Sample: H118A, Parameter: Cyanazine

Z-score





Parameter oriented report Pesticides H118

Sample: H118B, Parameter: Cyanazine

## Parameter oriented report

### H118 B

#### Cyanazine

Unit	µg/l
Assigned value ± U (k=2)	0.538 ± 0.0254
Criterion	0.0754 (14 %)
Minimum - Maximum	0.471 - 0.574
Control test value ± U (k=2)	0.536 ± 0.188

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.54	0.16	100	0.02	
LC0002	-	-	-	-	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	0.549	0.11	102	0.14	
LC0006	0.574	0.02	107	0.47	
LC0007	-	-	-	-	
LC0008	0.496	0.001	92.1	-0.56	
LC0009	0.554	0.13	103	0.21	
LC0010	-	-	-	-	
LC0011	0.318	0.064	59.1	-2.92	H
LC0012	0.675	0.101	125	1.81	H
LC0013	0.56	0.015	104	0.29	
LC0014	0.563	0.053	105	0.33	
LC0015	0.471	0.141	87.5	-0.89	
LC0016	-	-	-	-	

#### Characteristics of parameter

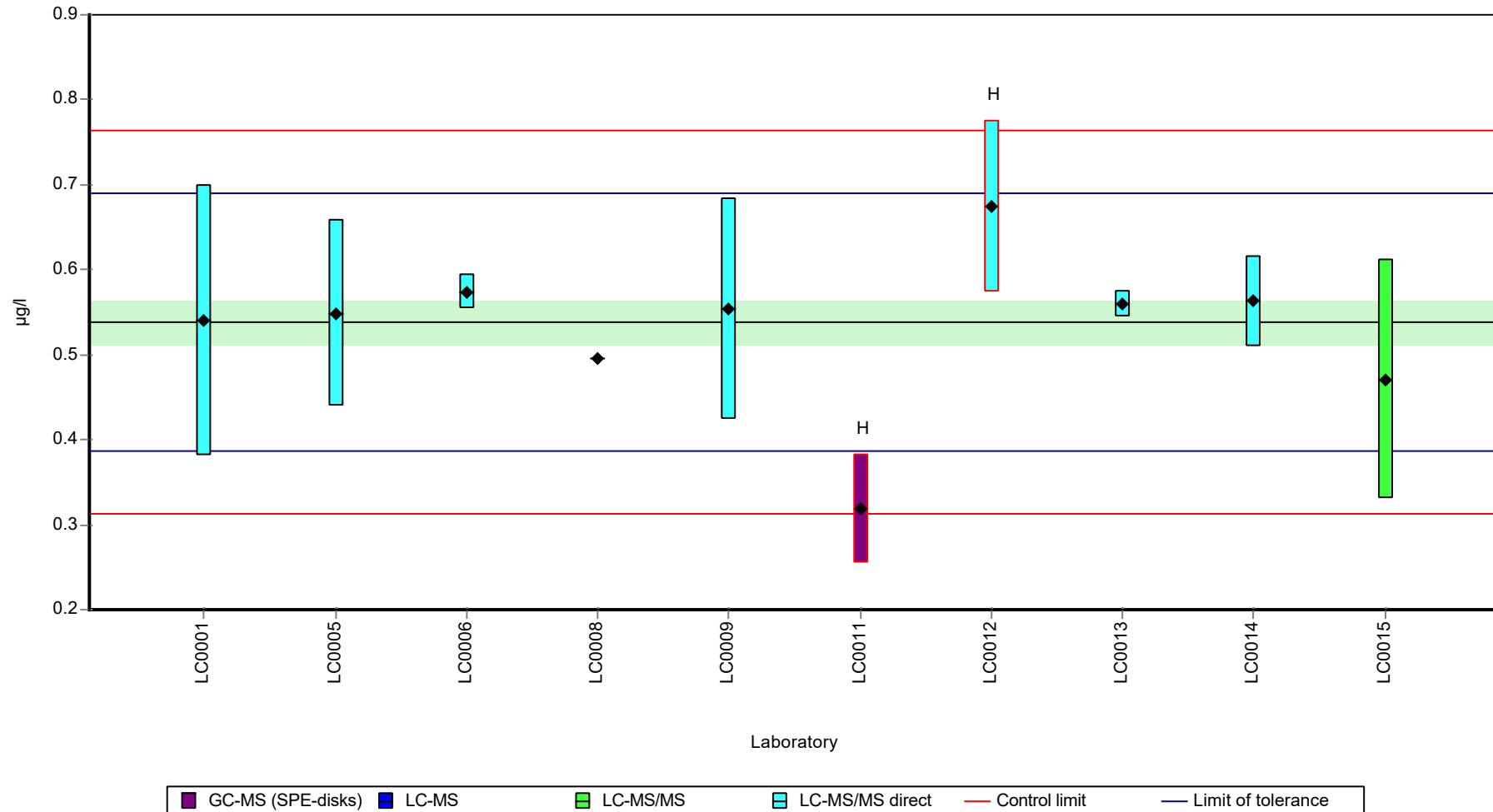
	all results	w ithout outliers	Unit
Mean ± CI (99%)	0.53 ± 0.0869	0.538 ± 0.0381	µg/l
Minimum	0.318	0.471	µg/l
Maximum	0.675	0.574	µg/l
Standard deviation	0.0916	0.0359	µg/l
rel. standard deviation	17.3	6.67	%
n	10	8	-

Parameter oriented report Pesticides H118

Sample: H118B, Parameter: Cyanazine

Graphical presentation of results

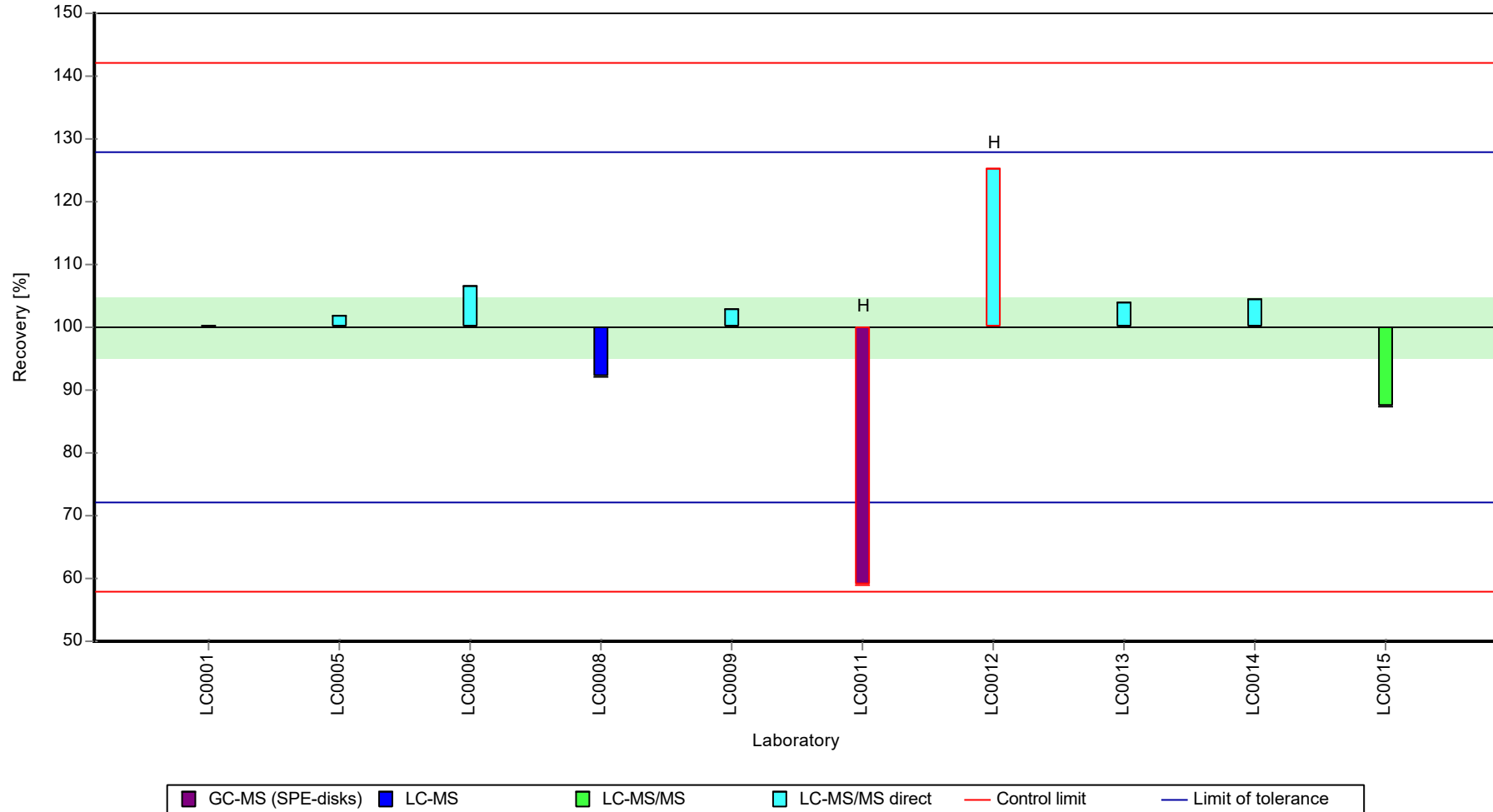
Results



Parameter oriented report Pesticides H118

Sample: H118B, Parameter: Cyanazine

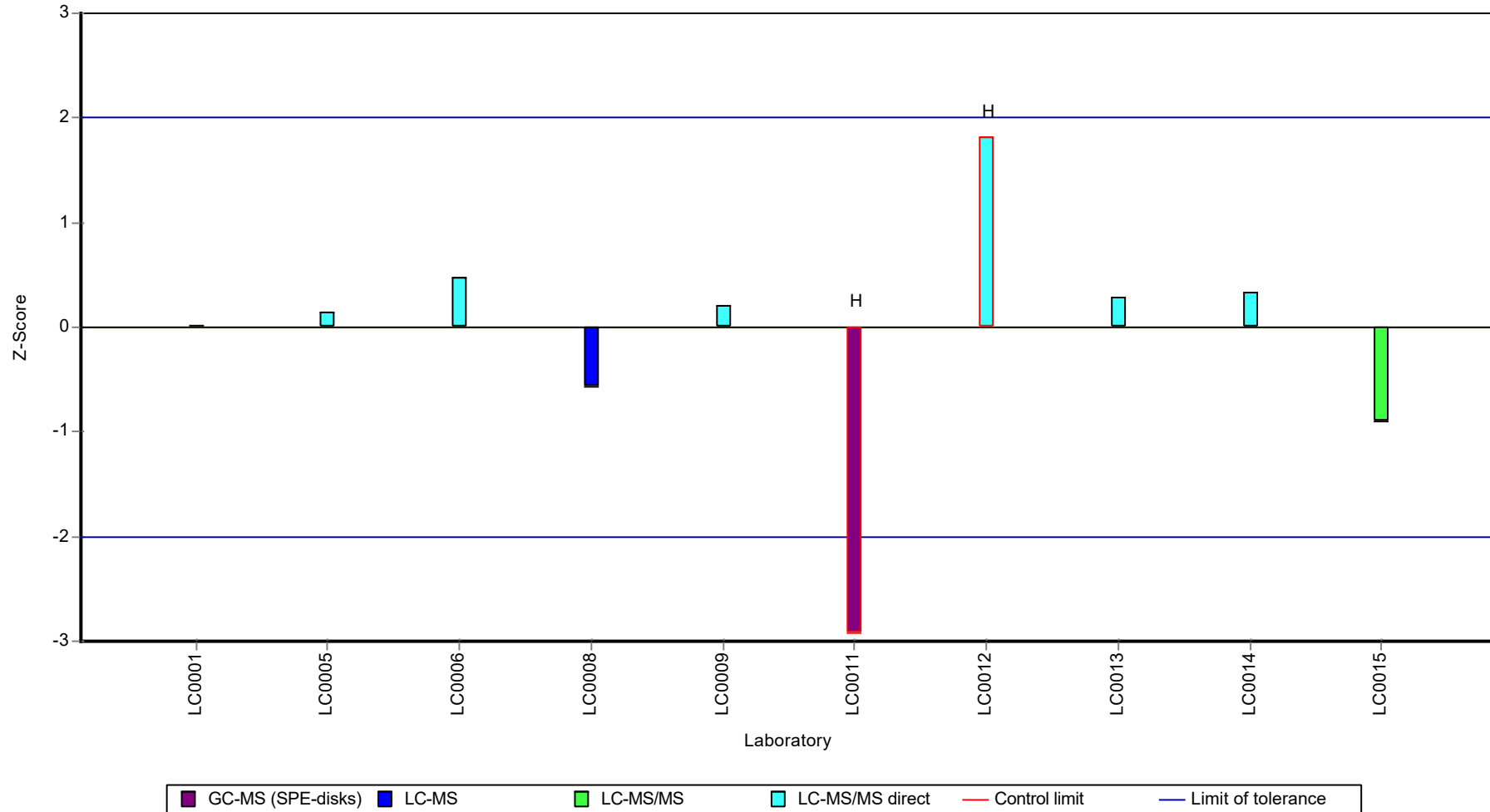
Recovery rate



Parameter oriented report Pesticides H118

Sample: H118B, Parameter: Cyanazine

Z-score



Parameter oriented report Pesticides H118

Sample: H118A, Parameter: Dimethenamide

## Parameter oriented report

### H118 A

#### Dimethenamide

Unit	µg/l
Assigned value ± U (k=2)	0.651 ± 0.045
Criterion	0.0651 (10 %)
Minimum - Maximum	0.529 - 0.774
Control test value ± U (k=2)	0.687 ± 0.241

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.69	0.21	106	0.6	
LC0002	0.58955	0.14739	90.6	-0.94	
LC0003	0.672	0.101	103	0.33	
LC0004	-	-	-	-	
LC0005	0.636	0.13	97.7	-0.23	
LC0006	0.65	0.031	99.9	-0.01	
LC0007	-	-	-	-	
LC0008	0.529	0.001	81.3	-1.87	
LC0009	-	-	-	-	
LC0010	-	-	-	-	
LC0011	0.313	0.063	48.1	-5.19	H
LC0012	0.645	0.097	99.1	-0.09	
LC0013	0.67	0.023	103	0.3	
LC0014	-	-	-	-	
LC0015	-	-	-	-	
LC0016	0.7743	0.00054	119	1.9	

#### Characteristics of parameter

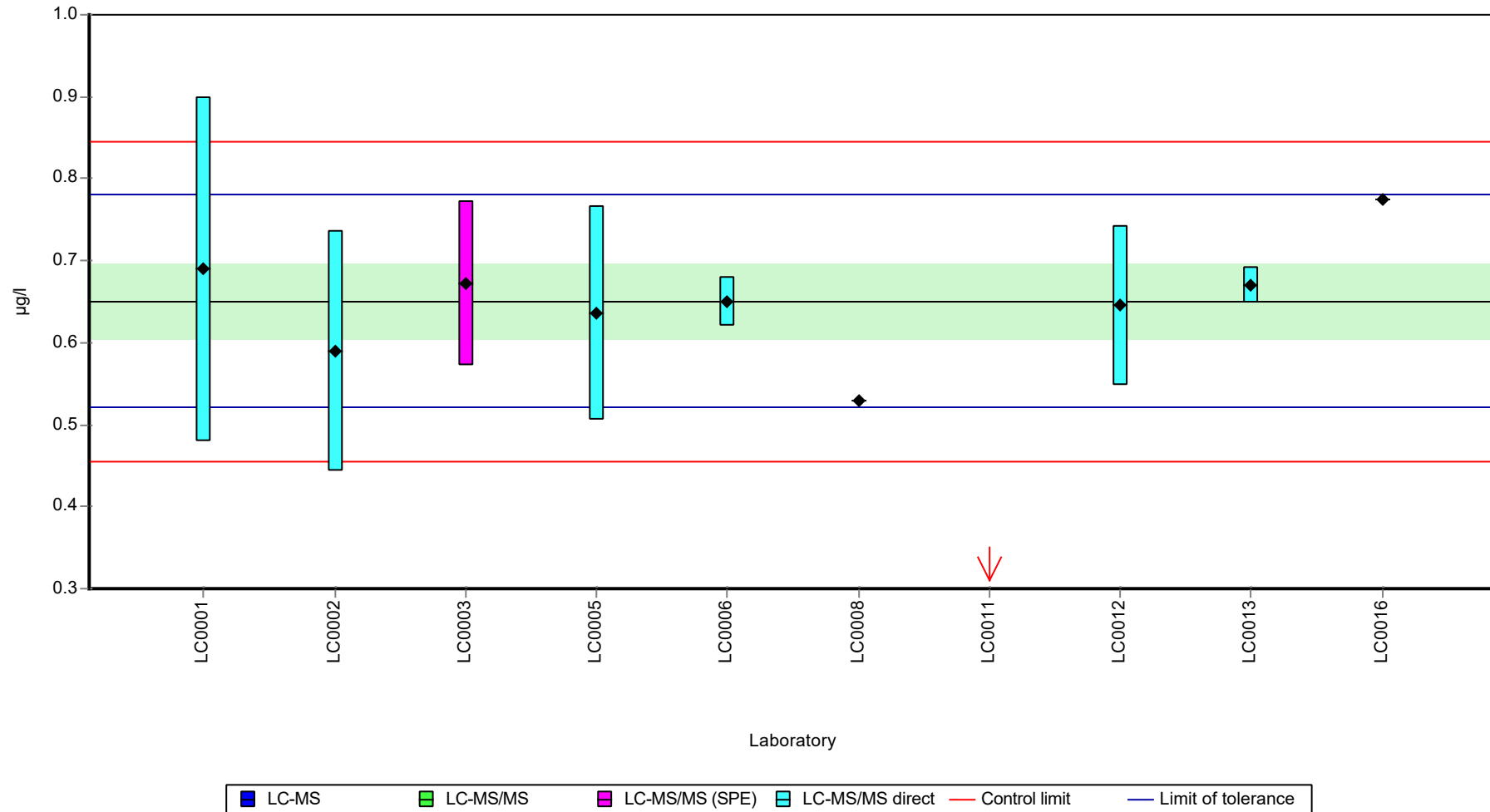
	all results	w ithout outliers	Unit
Mean ± CI (99%)	0.617 ± 0.118	0.651 ± 0.0675	µg/l
Minimum	0.313	0.529	µg/l
Maximum	0.774	0.774	µg/l
Standard deviation	0.124	0.0675	µg/l
rel. standard deviation	20.1	10.4	%
n	10	9	-

Parameter oriented report Pesticides H118

Sample: H118A, Parameter: Dimethenamide

Graphical presentation of results

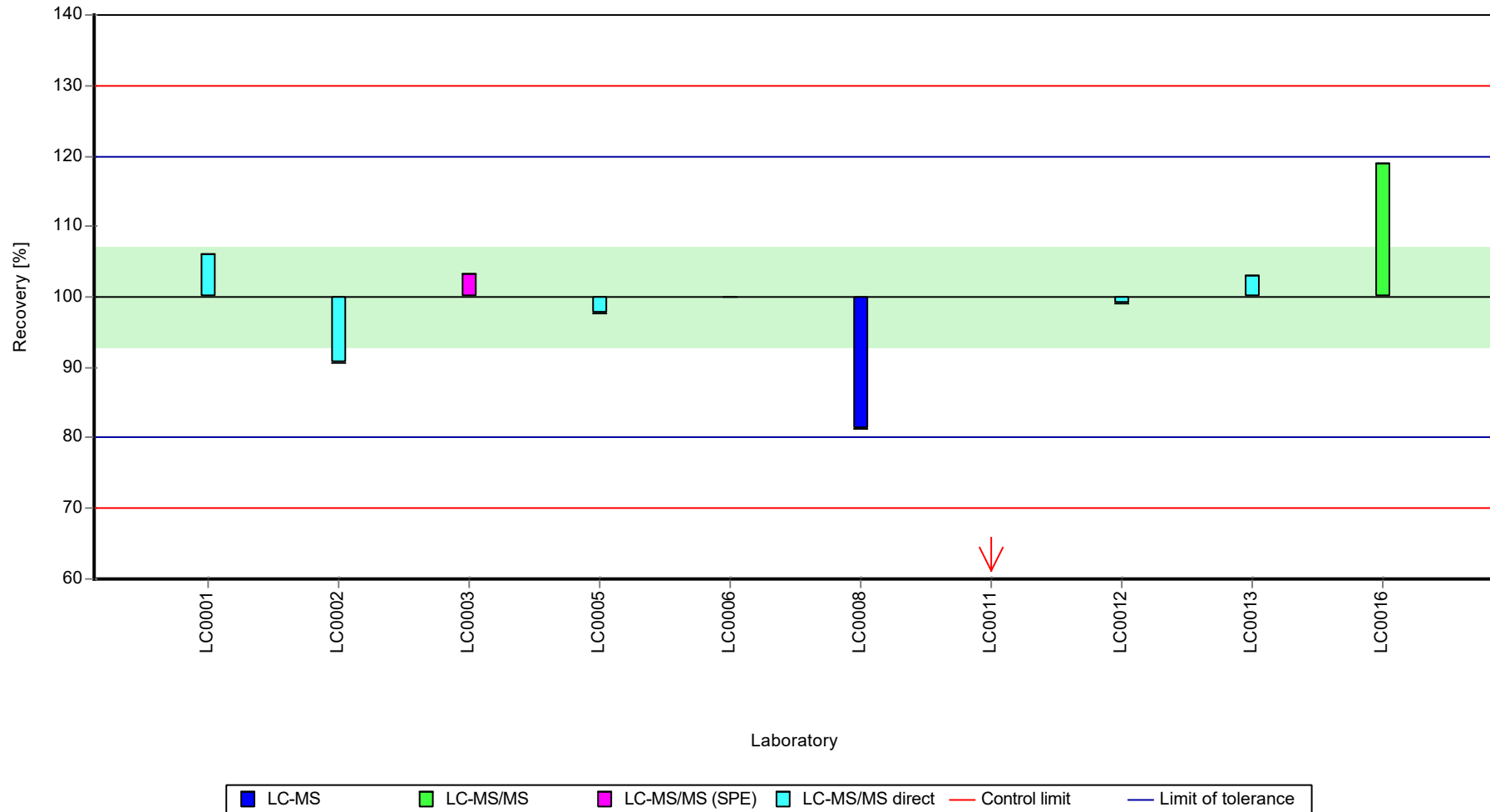
Results



Parameter oriented report Pesticides H118

Sample: H118A, Parameter: Dimethenamide

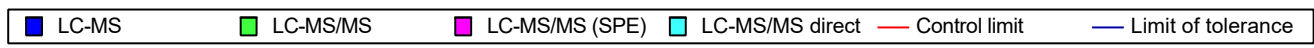
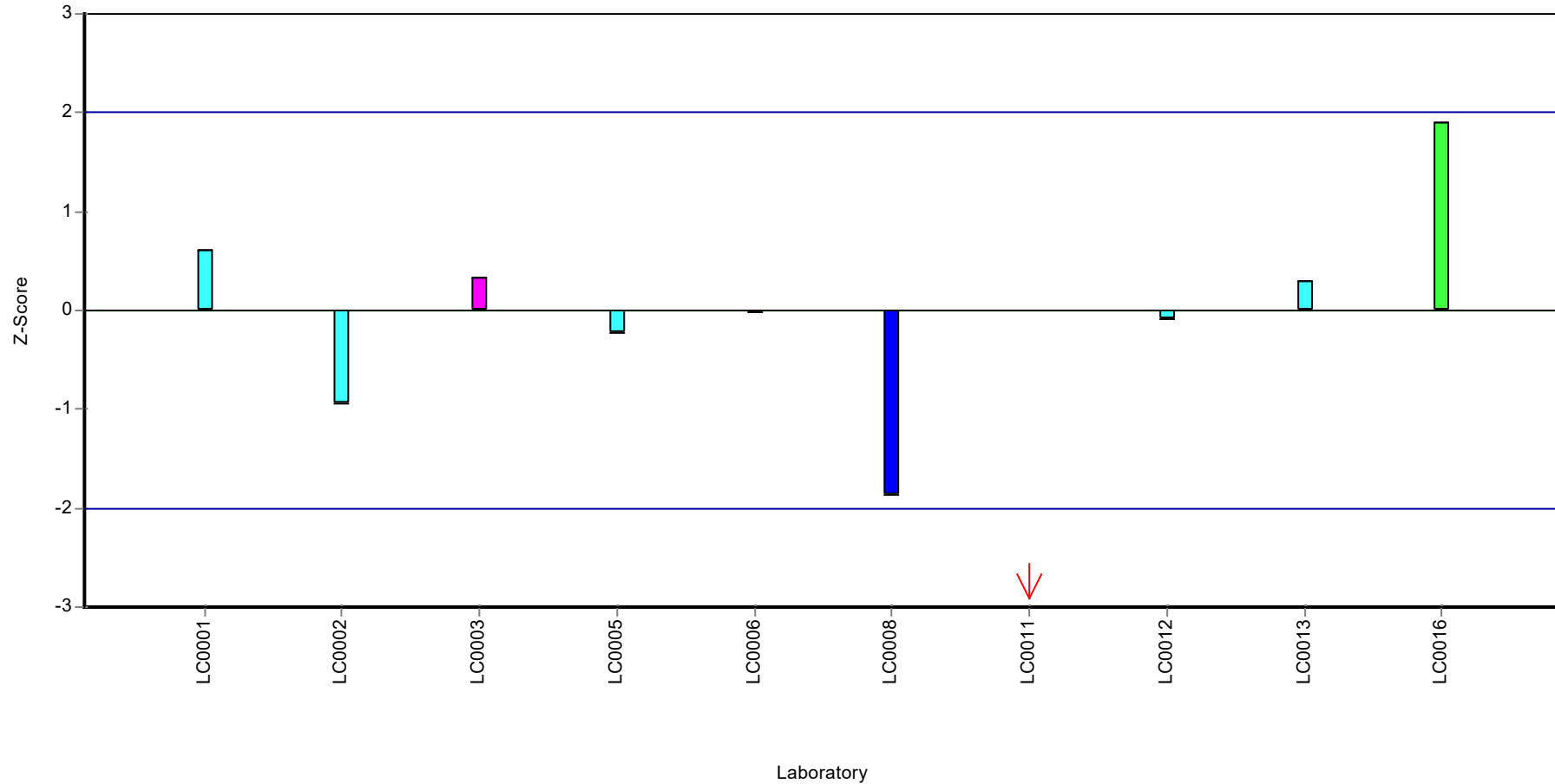
Recovery rate



Parameter oriented report Pesticides H118

Sample: H118A, Parameter: Dimethenamide

Z-score





Parameter oriented report Pesticides H118

Sample: H118B, Parameter: Dimethenamide

## Parameter oriented report

### H118 B

#### Dimethenamide

Unit	µg/l
Assigned value ± U (k=2)	0.983 ± 0.0996
Criterion	0.148 (15 %)
Minimum - Maximum	0.749 - 1.28
Control test value ± U (k=2)	1.05 ± 0.367

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	1.1	0.33	112	0.79	
LC0002	0.84465	0.21116	85.9	-0.94	
LC0003	0.99	0.148	101	0.05	
LC0004	-	-	-	-	
LC0005	0.973	0.19	98.9	-0.07	
LC0006	0.967	0.031	98.3	-0.11	
LC0007	-	-	-	-	
LC0008	0.749	0.002	76.2	-1.59	
LC0009	-	-	-	-	
LC0010	-	-	-	-	
LC0011	0.476	0.095	48.4	-3.44	H
LC0012	0.954	0.143	97	-0.2	
LC0013	0.99	0.03	101	0.05	
LC0014	-	-	-	-	
LC0015	-	-	-	-	
LC0016	1.2826	0.0009	130	2.03	

#### Characteristics of parameter

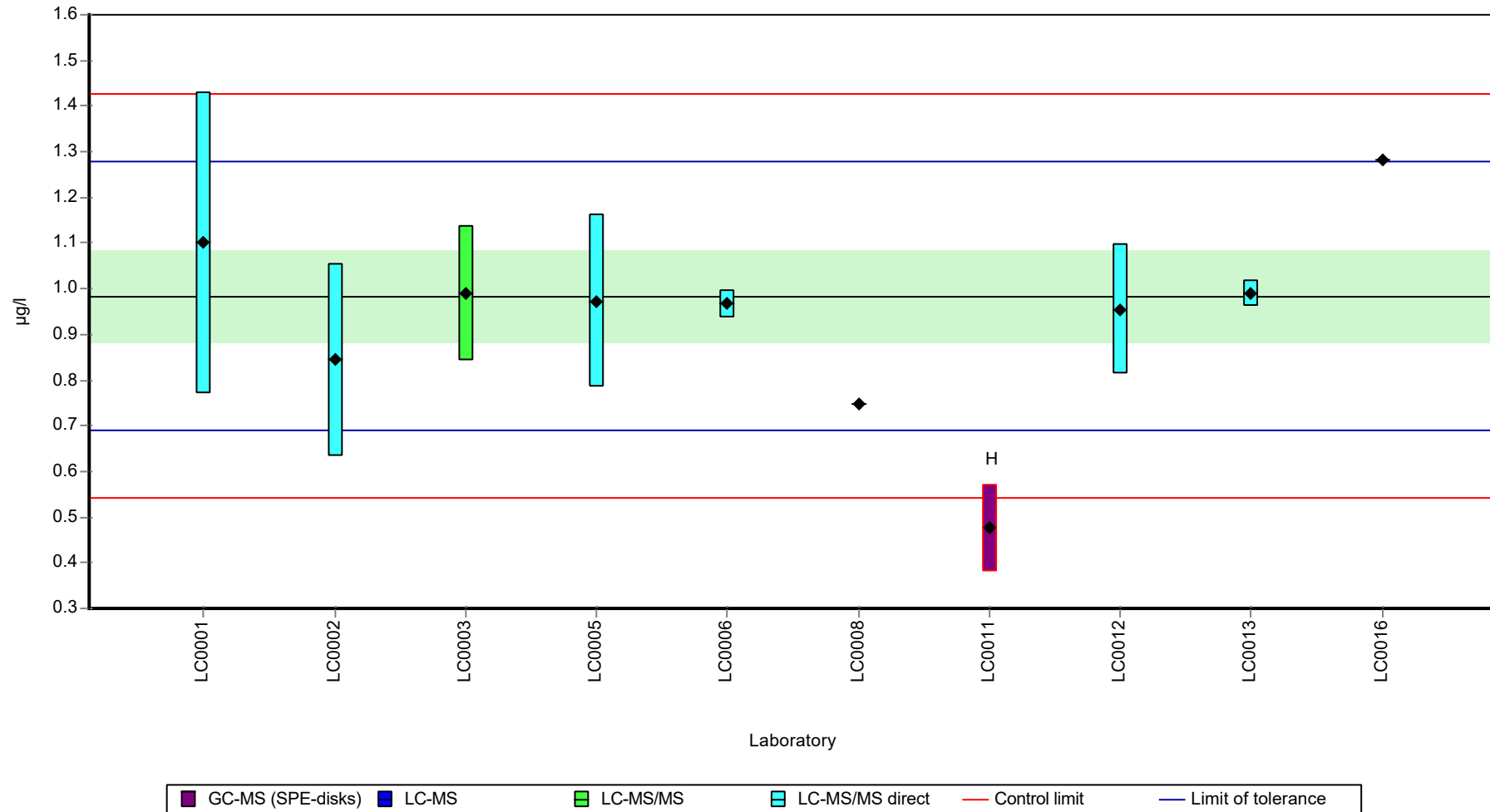
	all results	w ithout outliers	Unit
Mean ± CI (99%)	0.933 ± 0.203	0.983 ± 0.149	µg/l
Minimum	0.476	0.749	µg/l
Maximum	1.28	1.28	µg/l
Standard deviation	0.214	0.149	µg/l
rel. standard deviation	22.9	15.2	%
n	10	9	-

Parameter oriented report Pesticides H118

Sample: H118B, Parameter: Dimethenamide

Graphical presentation of results

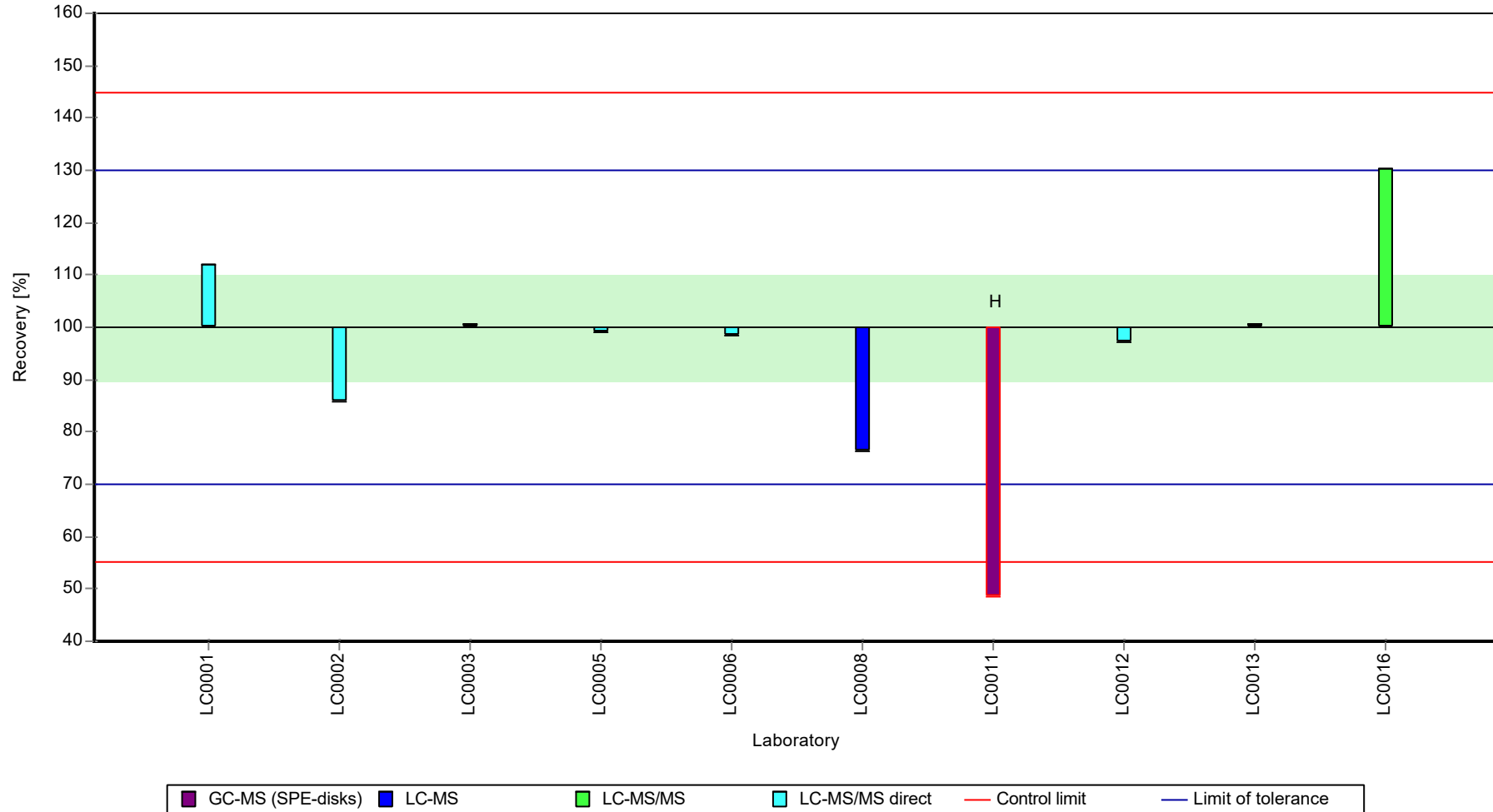
Results



Parameter oriented report Pesticides H118

Sample: H118B, Parameter: Dimethenamide

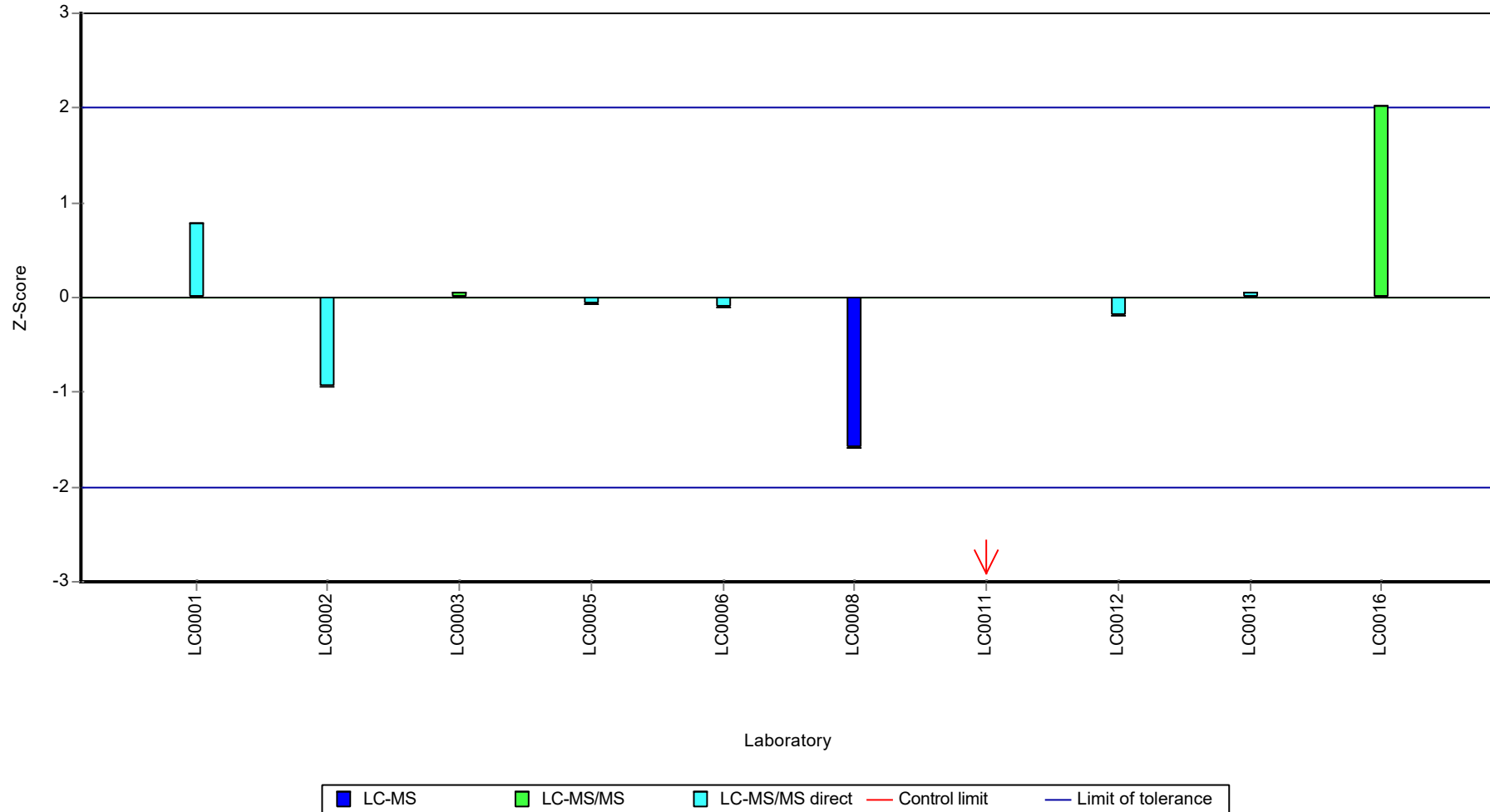
Recovery rate



Parameter oriented report Pesticides H118

Sample: H118B, Parameter: Dimethenamide

Z-score



Parameter oriented report Pesticides H118

Sample: H118A, Parameter: Diuron

## Parameter oriented report

### H118 A

#### Diuron

Unit	µg/l
Assigned value ± U (k=2)	0.535 ± 0.0265
Criterion	0.0695 (13 %)
Minimum - Maximum	0.428 - 0.628
Control test value ± U (k=2)	0.538 ± 0.134

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.53	0.16	99.1	-0.07	
LC0002	0.5129	0.12823	95.9	-0.31	
LC0003	0.541	0.081	101	0.09	
LC0004	0.537	0.105	100	0.03	
LC0005	0.54	0.081	101	0.08	
LC0006	0.588	0.028	110	0.77	
LC0007	0.628	0.214	117	1.34	
LC0008	0.49	0.021	91.7	-0.64	
LC0009	0.555	0.103	104	0.29	
LC0010	-	-	-	-	
LC0011	0.384	0.077	71.8	-2.17	H
LC0012	0.539	0.081	101	0.06	
LC0013	0.475	0.003	88.9	-0.86	
LC0014	0.535	0.041	100	0.01	
LC0015	0.428	0.128	80.1	-1.53	
LC0016	0.5851	0.00038	109	0.73	

#### Characteristics of parameter

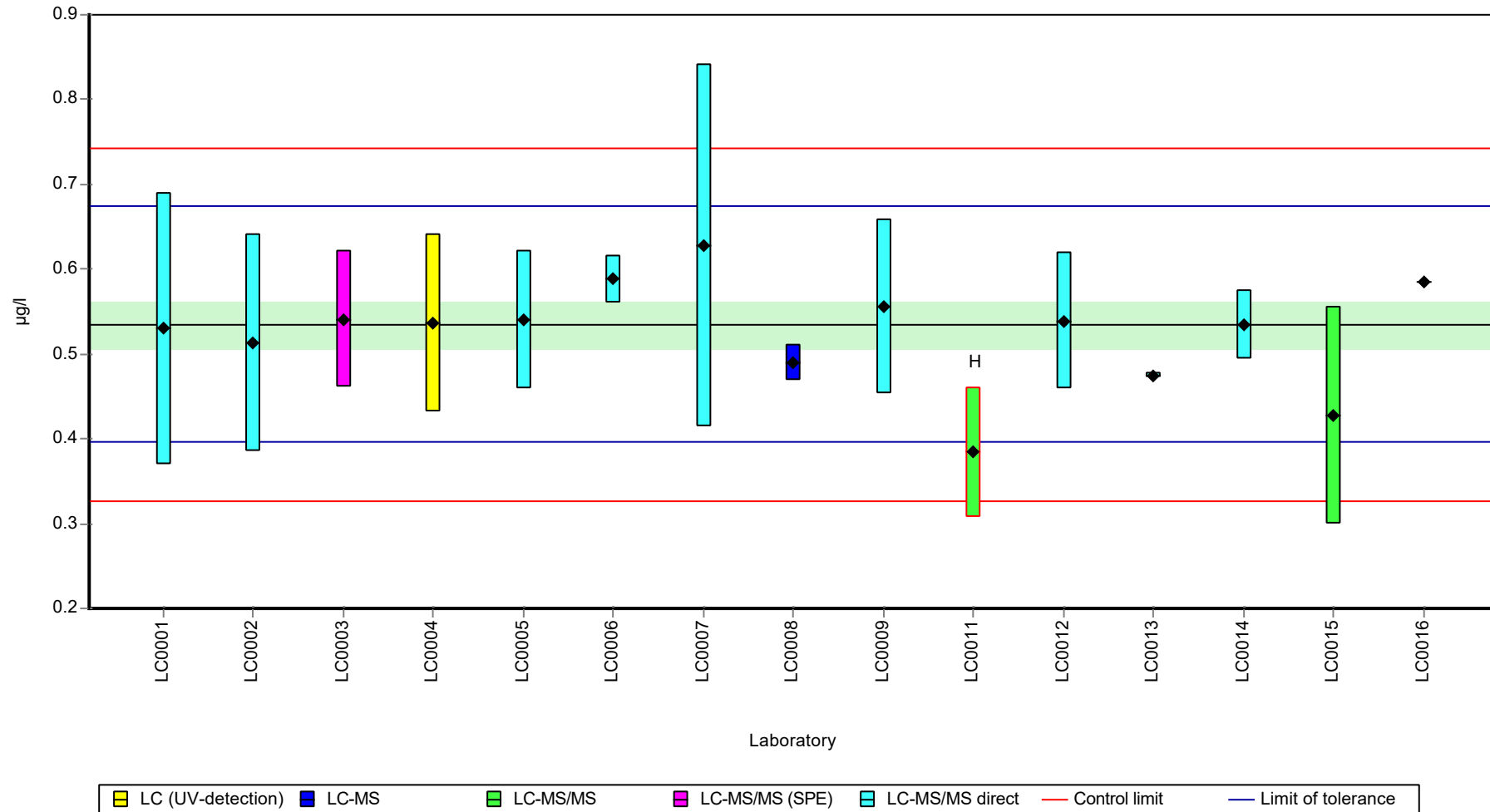
	all results	w ithout outliers	Unit
Mean ± CI (99%)	0.525 ± 0.0477	0.535 ± 0.0398	µg/l
Minimum	0.384	0.428	µg/l
Maximum	0.628	0.628	µg/l
Standard deviation	0.0616	0.0496	µg/l
rel. standard deviation	11.8	9.29	%
n	15	14	-

Parameter oriented report Pesticides H118

Sample: H118A, Parameter: Diuron

Graphical presentation of results

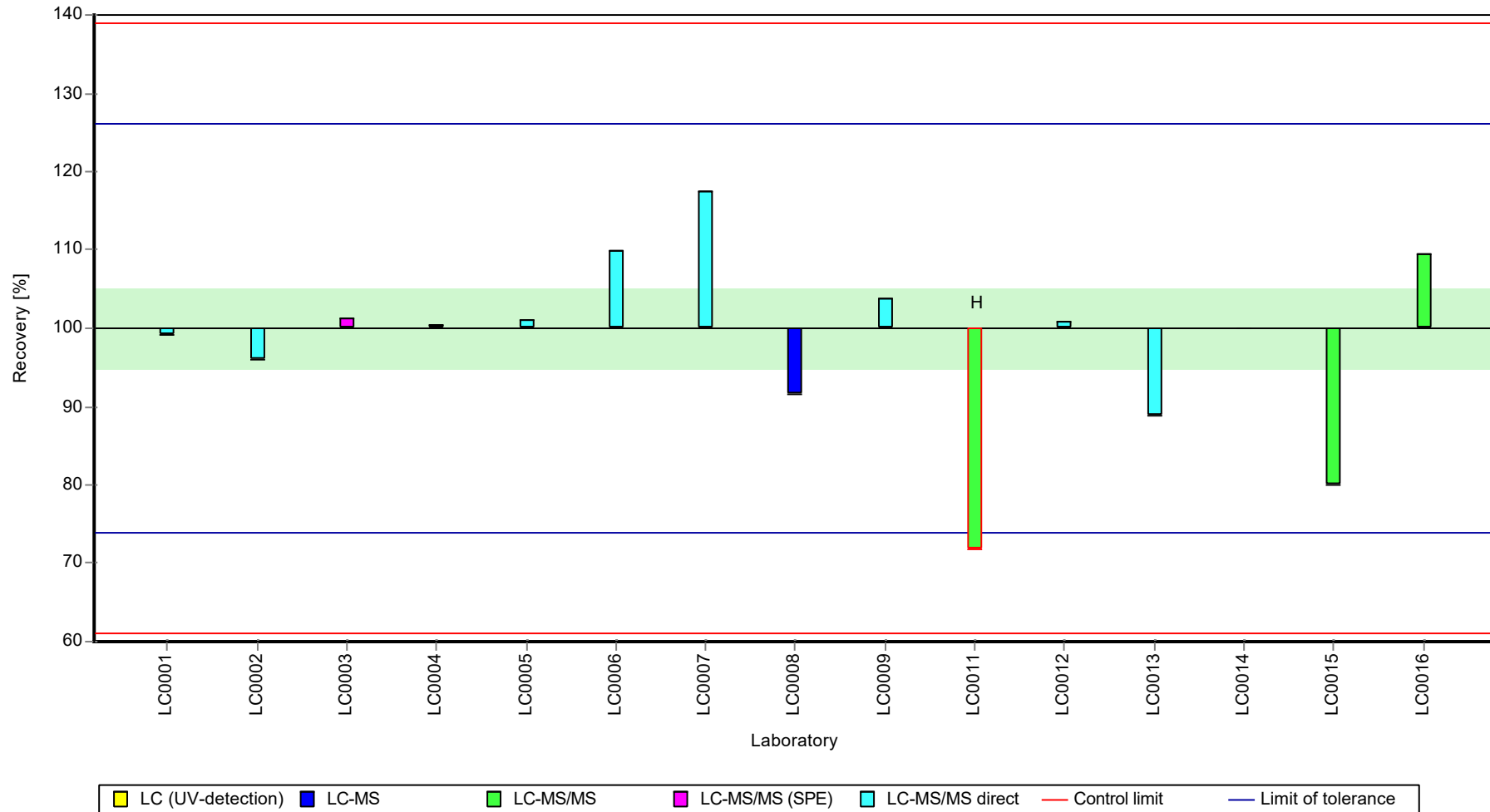
Results



Parameter oriented report Pesticides H118

Sample: H118A, Parameter: Diuron

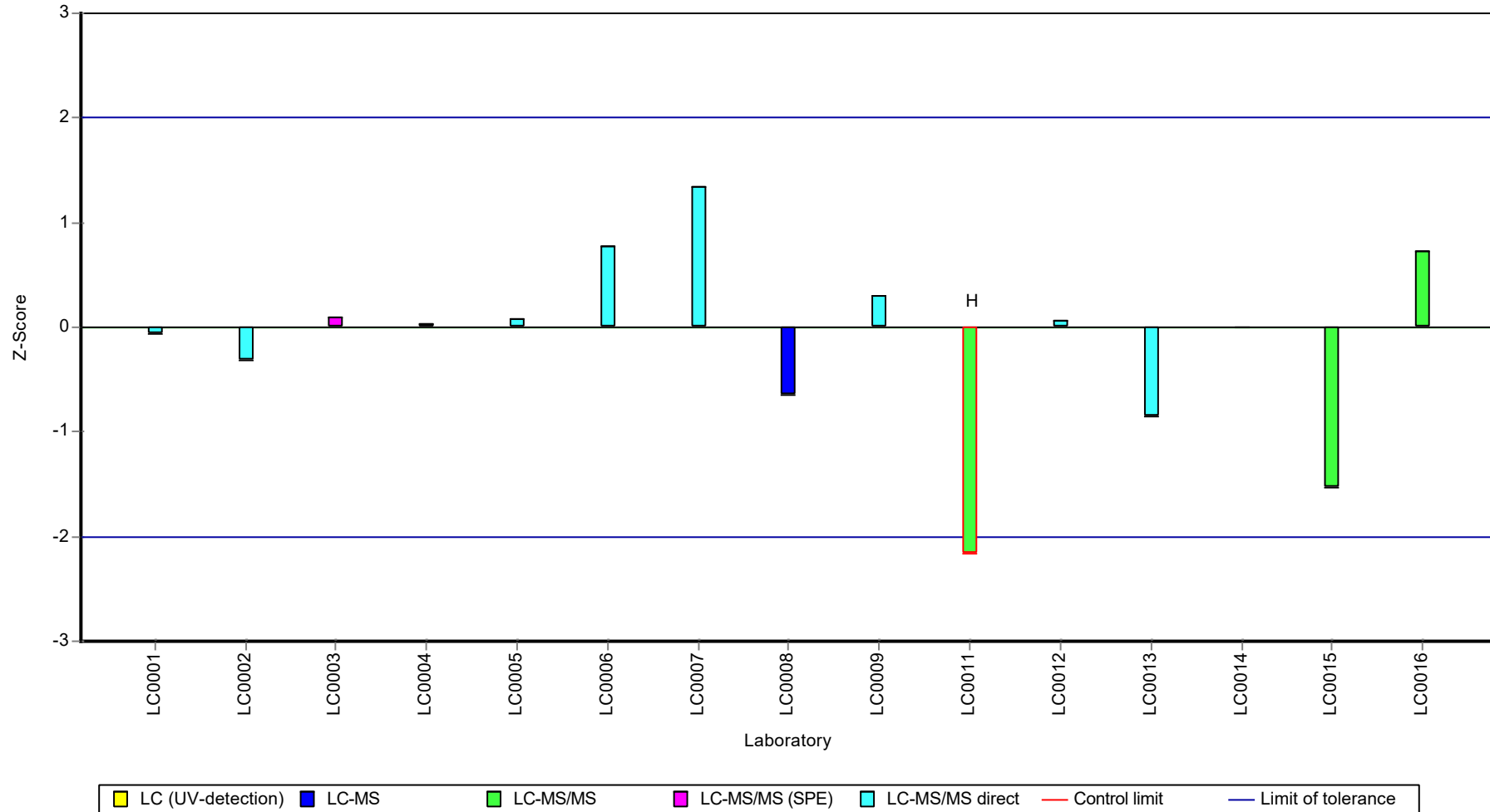
Recovery rate



Parameter oriented report Pesticides H118

Sample: H118A, Parameter: Diuron

Z-score





Parameter oriented report Pesticides H118

Sample: H118B, Parameter: Diuron

## Parameter oriented report

### H118 B

#### Diuron

Unit	µg/l
Assigned value ± U (k=2)	0.509 ± 0.0283
Criterion	0.0662 (13 %)
Minimum - Maximum	0.4 - 0.575
Control test value ± U (k=2)	0.548 ± 0.137

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.56	0.17	110	0.76	
LC0002	0.4963	0.12408	97.4	-0.2	
LC0003	0.538	0.081	106	0.43	
LC0004	0.539	0.105	106	0.45	
LC0005	0.541	0.081	106	0.48	
LC0006	0.569	0.028	112	0.9	
LC0007	0.542	0.184	106	0.49	
LC0008	0.482	0.005	94.6	-0.42	
LC0009	0.467	0.086	91.7	-0.64	
LC0010	-	-	-	-	
LC0011	0.4	0.08	78.5	-1.65	
LC0012	0.52	0.078	102	0.16	
LC0013	0.478	0.005	93.8	-0.48	
LC0014	0.533	0.041	105	0.35	
LC0015	0.402	0.121	78.9	-1.62	
LC0016	0.5751	0.00037	113	0.99	

#### Characteristics of parameter

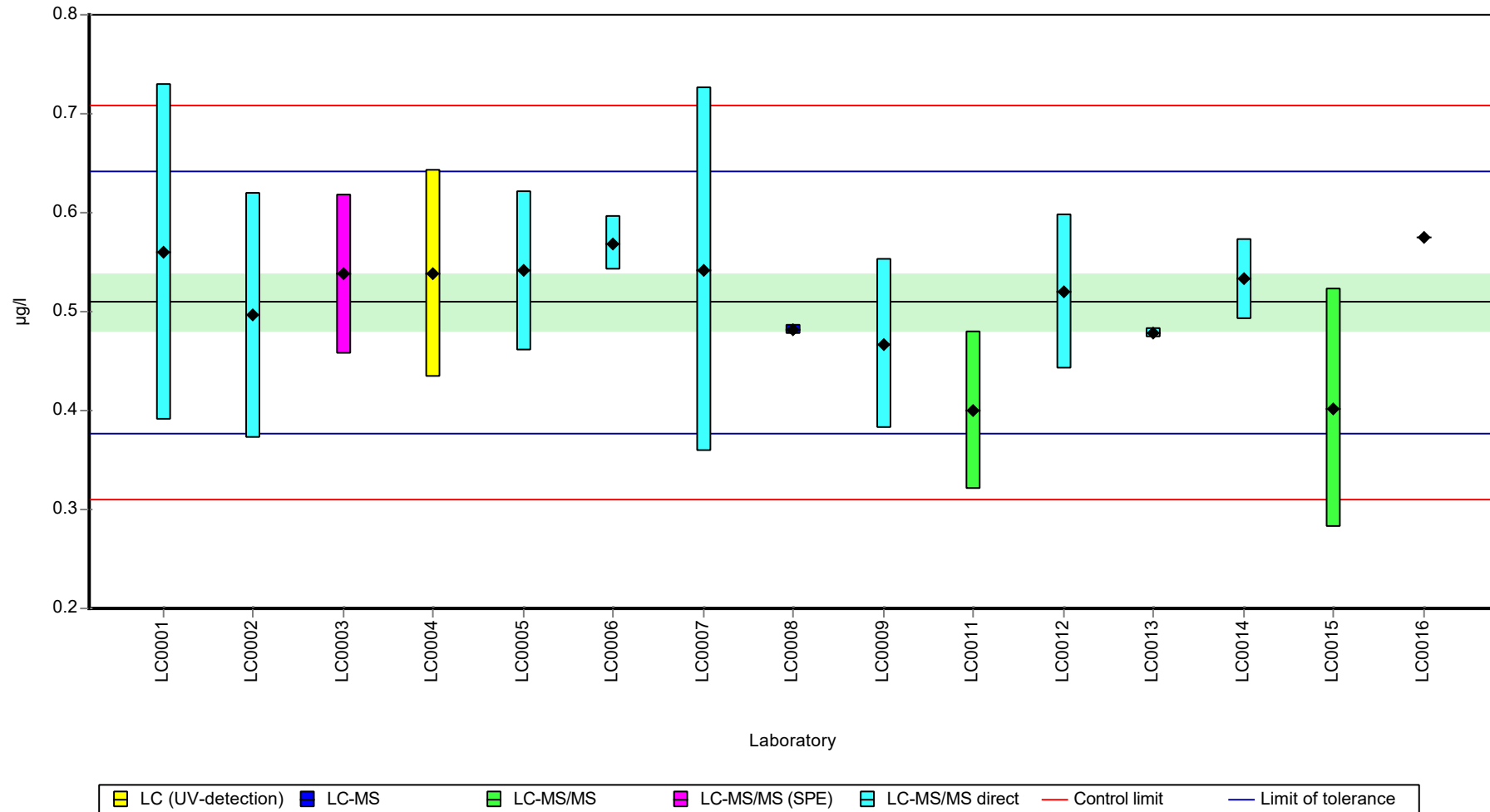
	all results	w ithout outliers	Unit
Mean ± CI (99%)	0.509 ± 0.0425	0.509 ± 0.0425	µg/l
Minimum	0.4	0.4	µg/l
Maximum	0.575	0.575	µg/l
Standard deviation	0.0548	0.0548	µg/l
rel. standard deviation	10.8	10.8	%
n	15	15	-

Parameter oriented report Pesticides H118

Sample: H118B, Parameter: Diuron

Graphical presentation of results

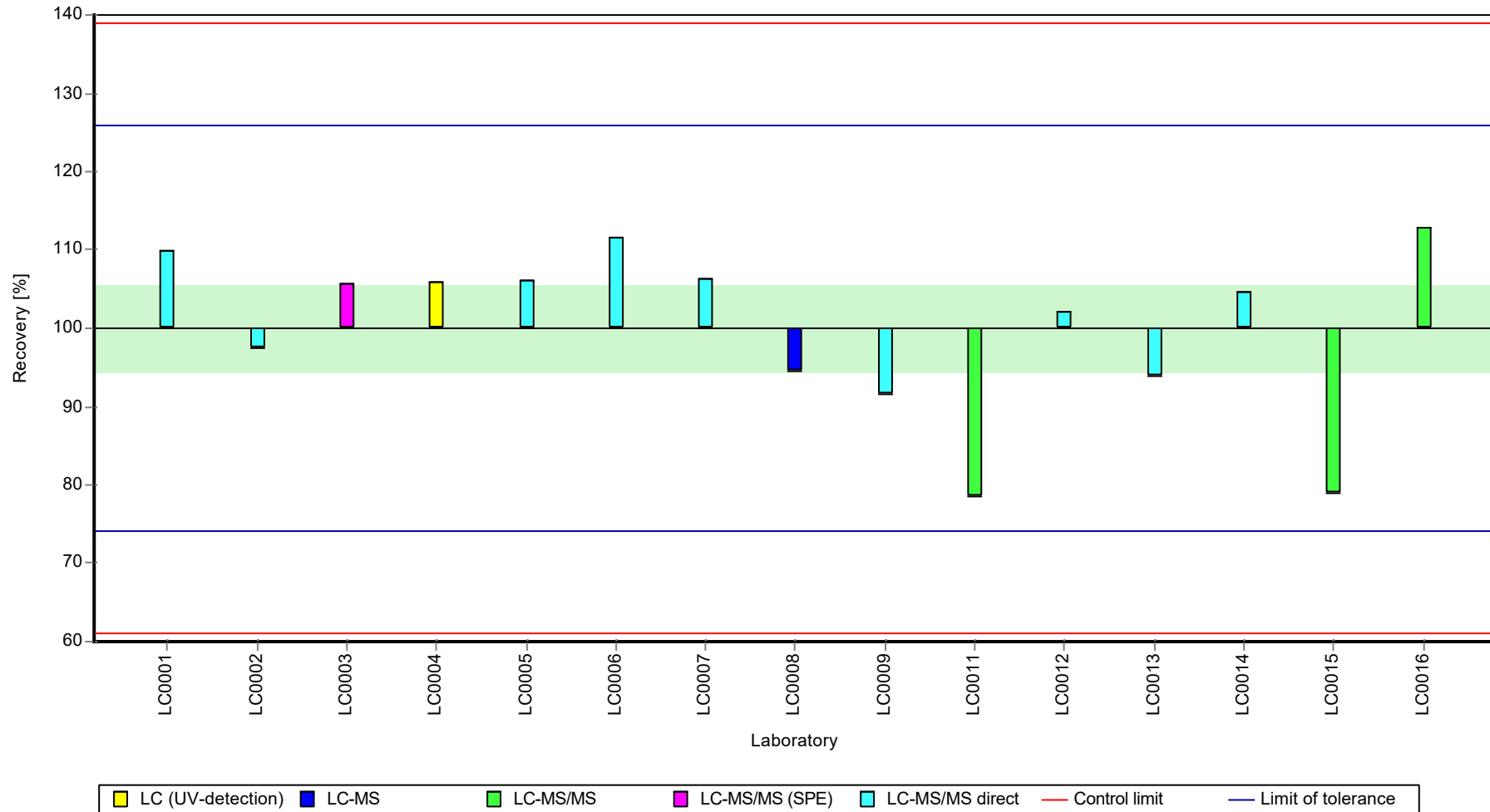
Results



Parameter oriented report Pesticides H118

Sample: H118B, Parameter: Diuron

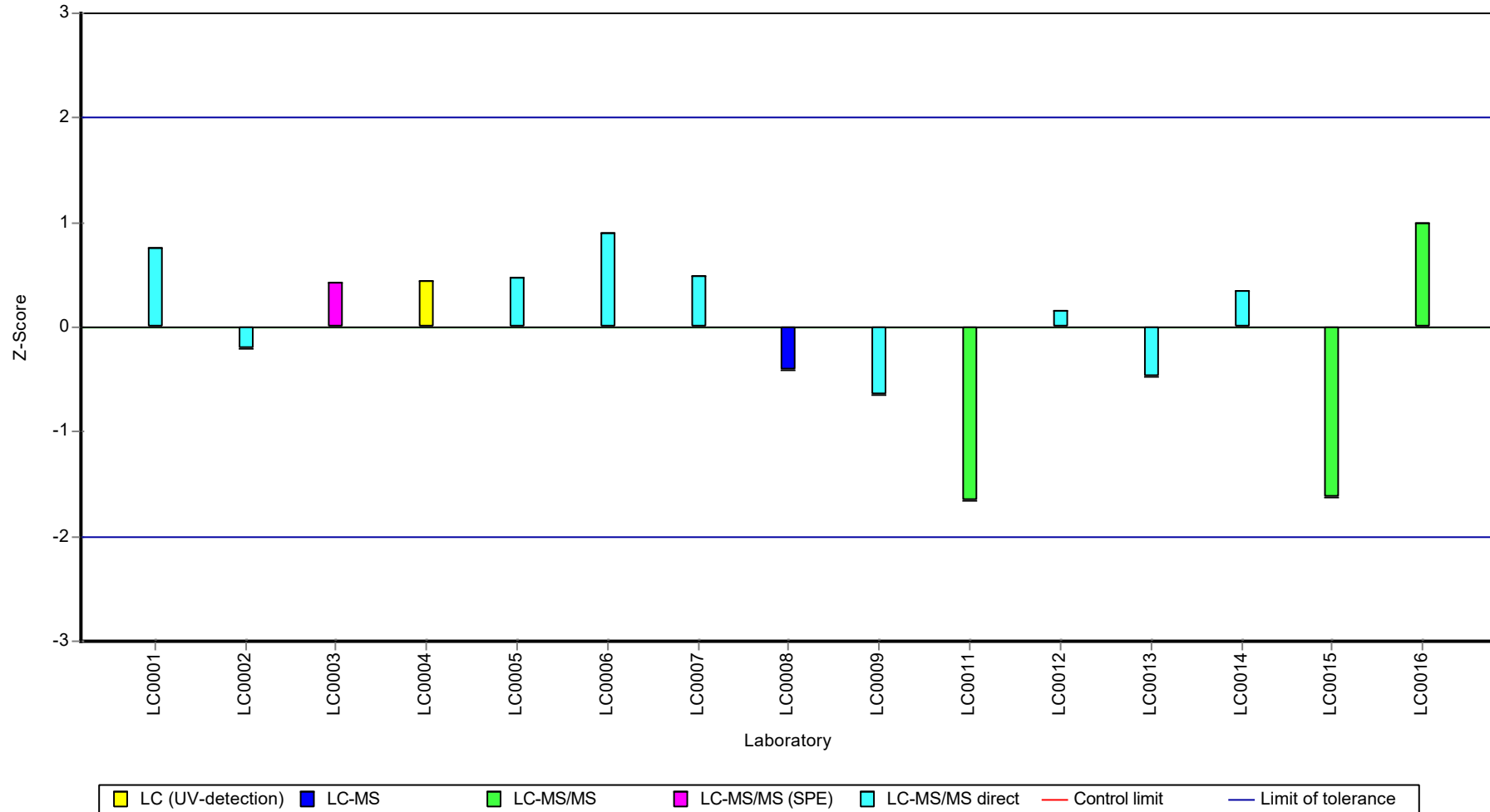
Recovery rate



Parameter oriented report Pesticides H118

Sample: H118B, Parameter: Diuron

Z-score



Parameter oriented report Pesticides H118

Sample: H118A, Parameter: Metolachlor

## Parameter oriented report

### H118 A

#### Metolachlor

Unit	µg/l
Assigned value ± U (k=2)	0.623 ± 0.0267
Criterion	0.0934 (15 %)
Minimum - Maximum	0.511 - 0.705
Control test value ± U (k=2)	0.665 ± 0.266

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.65	0.2	104	0.29	
LC0002	0.6844	0.1711	110	0.66	
LC0003	0.648	0.097	104	0.27	
LC0004	0.636	0.2936	102	0.14	
LC0005	0.618	0.093	99.2	-0.05	
LC0006	0.66	0.02	106	0.4	
LC0007	0.63	0.17	101	0.08	
LC0008	0.511	0.001	82	-1.2	
LC0009	0.556	0.152	89.3	-0.72	
LC0010	0.6006	0.0901	96.4	-0.24	
LC0011	0.307	0.061	49.3	-3.38	H
LC0012	0.605	0.091	97.1	-0.19	
LC0013	0.591	0.015	94.9	-0.34	
LC0014	0.626	0.099	100	0.03	
LC0015	-	-	-	-	
LC0016	0.7052	0.00046	113	0.88	

#### Characteristics of parameter

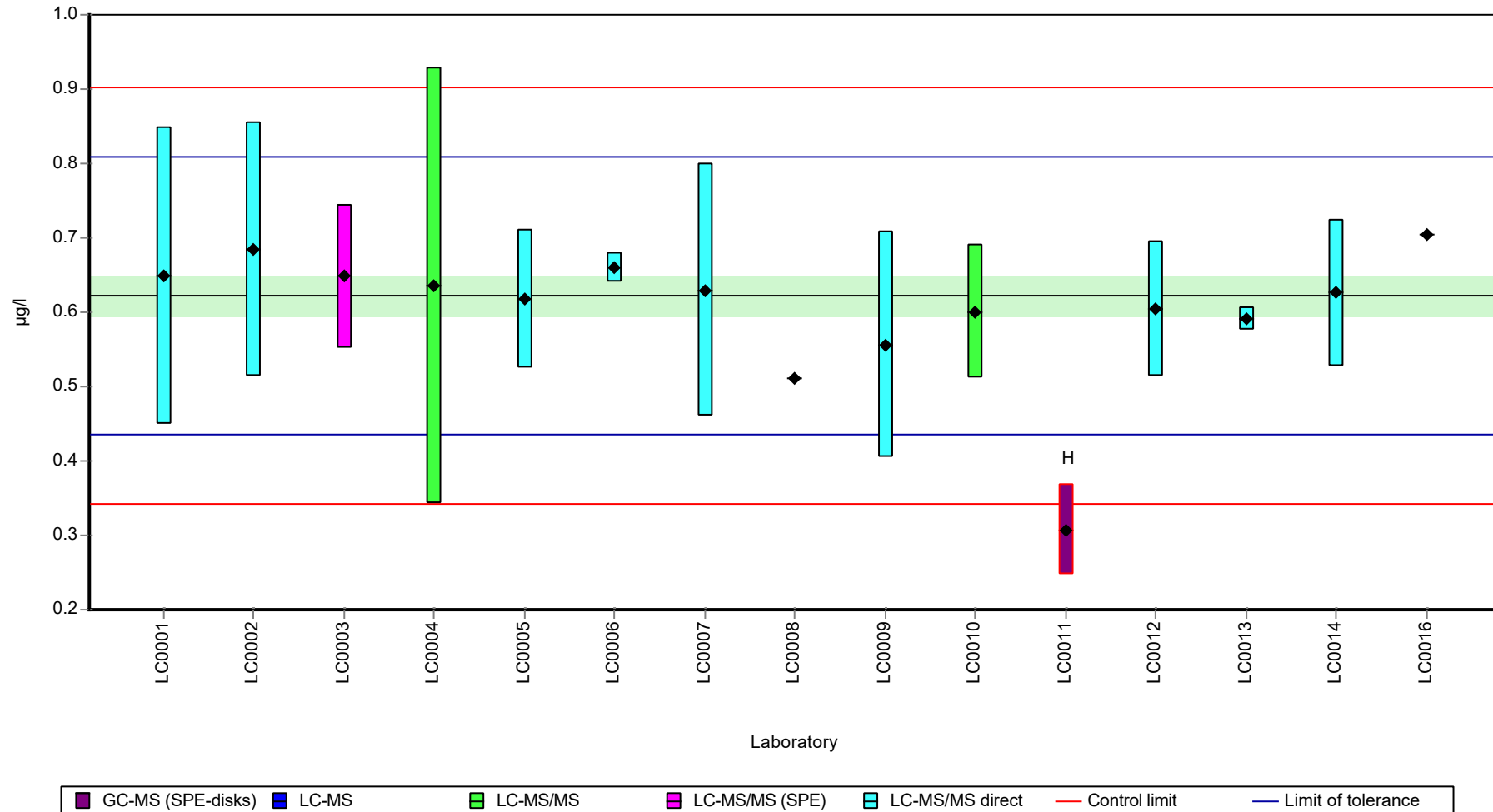
	all results	w ithout outliers	Unit
Mean ± CI (99%)	0.602 ± 0.0734	0.623 ± 0.04	µg/l
Minimum	0.307	0.511	µg/l
Maximum	0.705	0.705	µg/l
Standard deviation	0.0947	0.0499	µg/l
rel. standard deviation	15.7	8.01	%
n	15	14	-

Parameter oriented report Pesticides H118

Sample: H118A, Parameter: Metolachlor

Graphical presentation of results

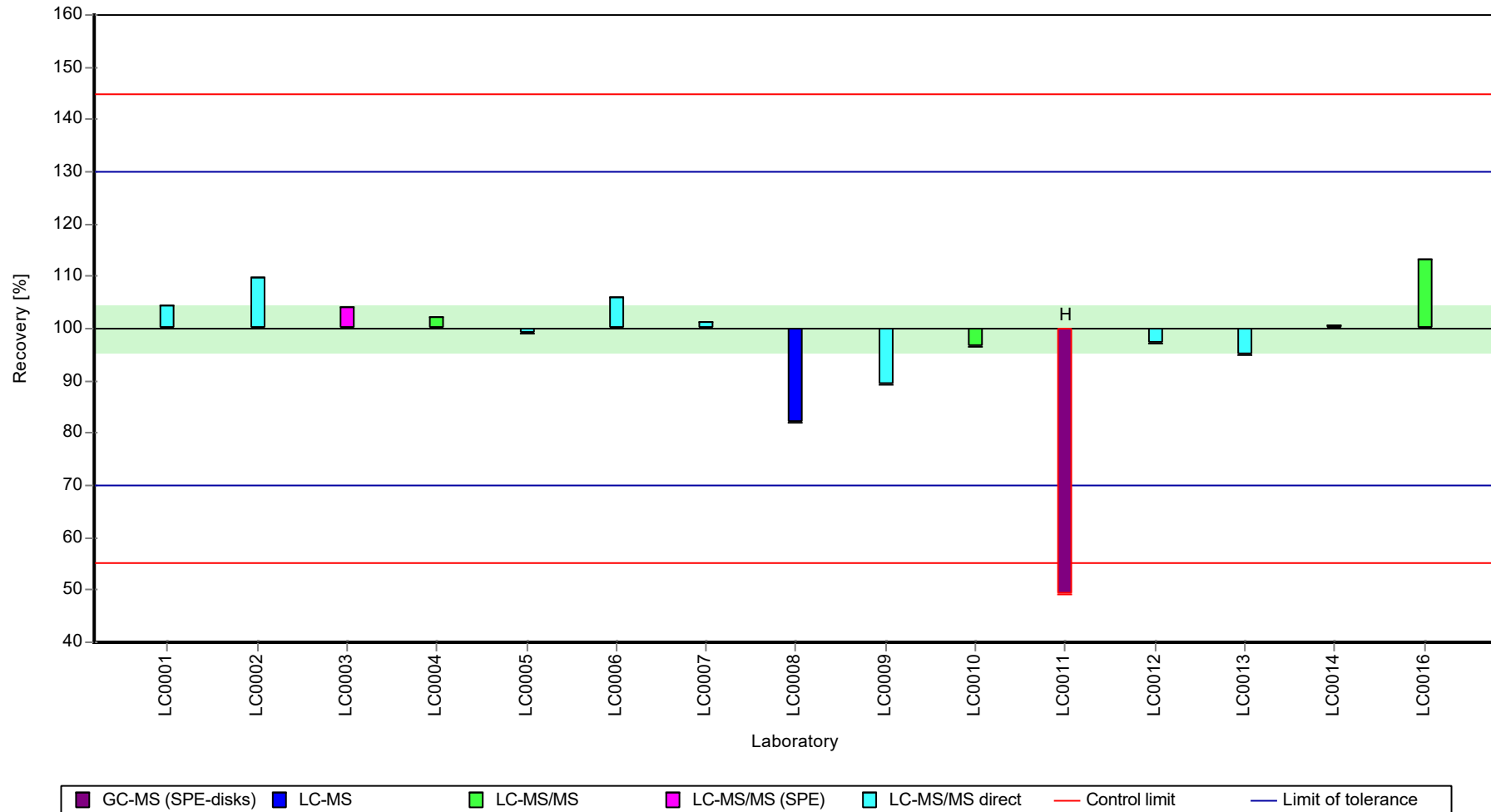
Results



Parameter oriented report Pesticides H118

Sample: H118A, Parameter: Metolachlor

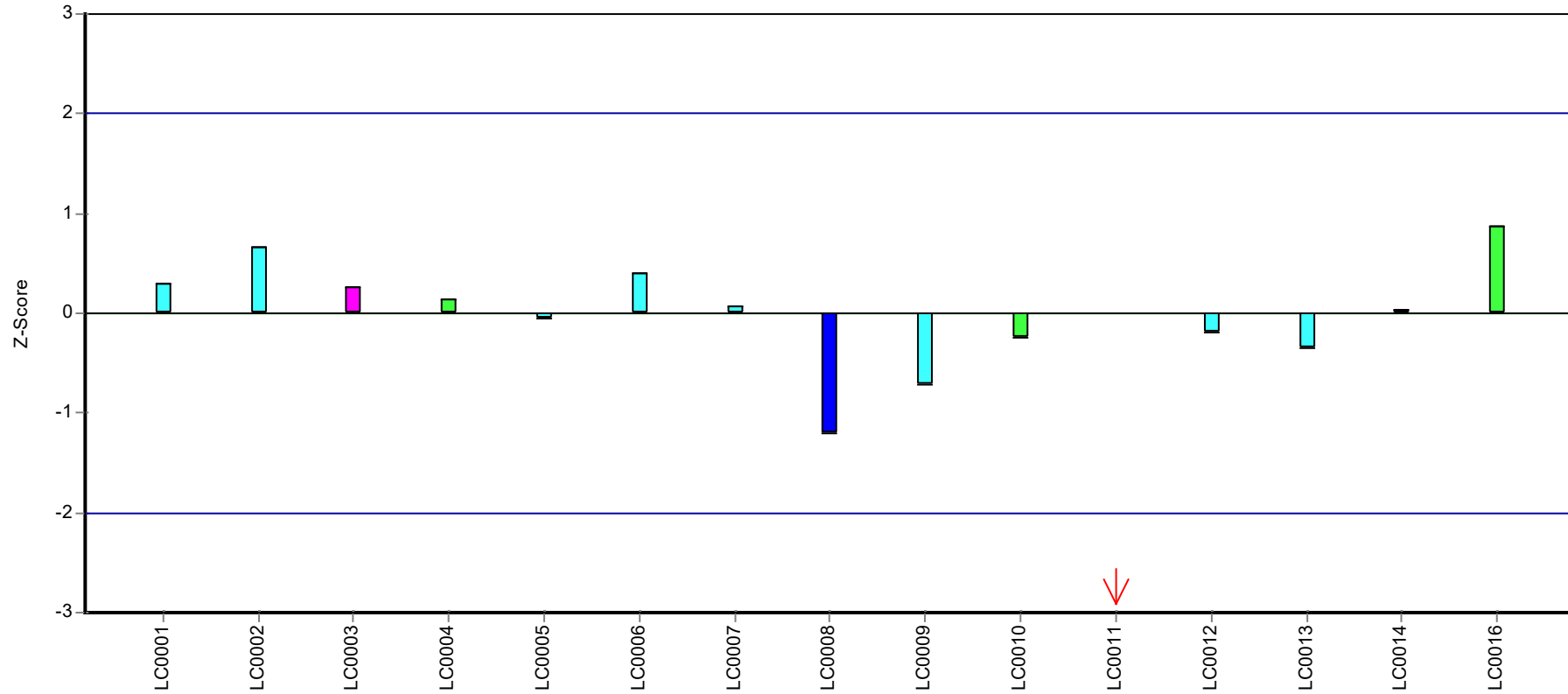
Recovery rate



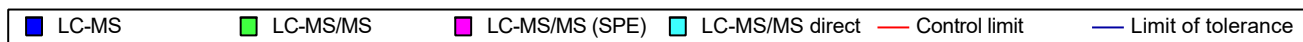
Parameter oriented report Pesticides H118

Sample: H118A, Parameter: Metolachlor

Z-score



Laboratory





Parameter oriented report Pesticides H118

Sample: H118B, Parameter: Metolachlor

## Parameter oriented report

### H118 B

#### Metolachlor

Unit	µg/l
Assigned value ± U (k=2)	0.779 ± 0.0345
Criterion	0.117 (15 %)
Minimum - Maximum	0.618 - 0.852
Control test value ± U (k=2)	0.873 ± 0.349

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.82	0.25	105	0.35	
LC0002	0.83115	0.20779	107	0.45	
LC0003	0.784	0.118	101	0.04	
LC0004	0.7778	0.3591	99.8	-0.01	
LC0005	0.755	0.11	96.9	-0.21	
LC0006	0.795	0.02	102	0.14	
LC0007	0.83	0.224	107	0.44	
LC0008	0.618	0.004	79.3	-1.38	
LC0009	0.852	0.233	109	0.62	
LC0010	0.8357	0.1253	107	0.49	
LC0011	0.387	0.077	49.7	-3.35	H
LC0012	0.749	0.112	96.2	-0.26	
LC0013	0.73	0.009	93.7	-0.42	
LC0014	0.749	0.118	96.2	-0.26	
LC0015	-	-	-	-	
LC0016	1.1052	0.00072	142	2.79	H

#### Characteristics of parameter

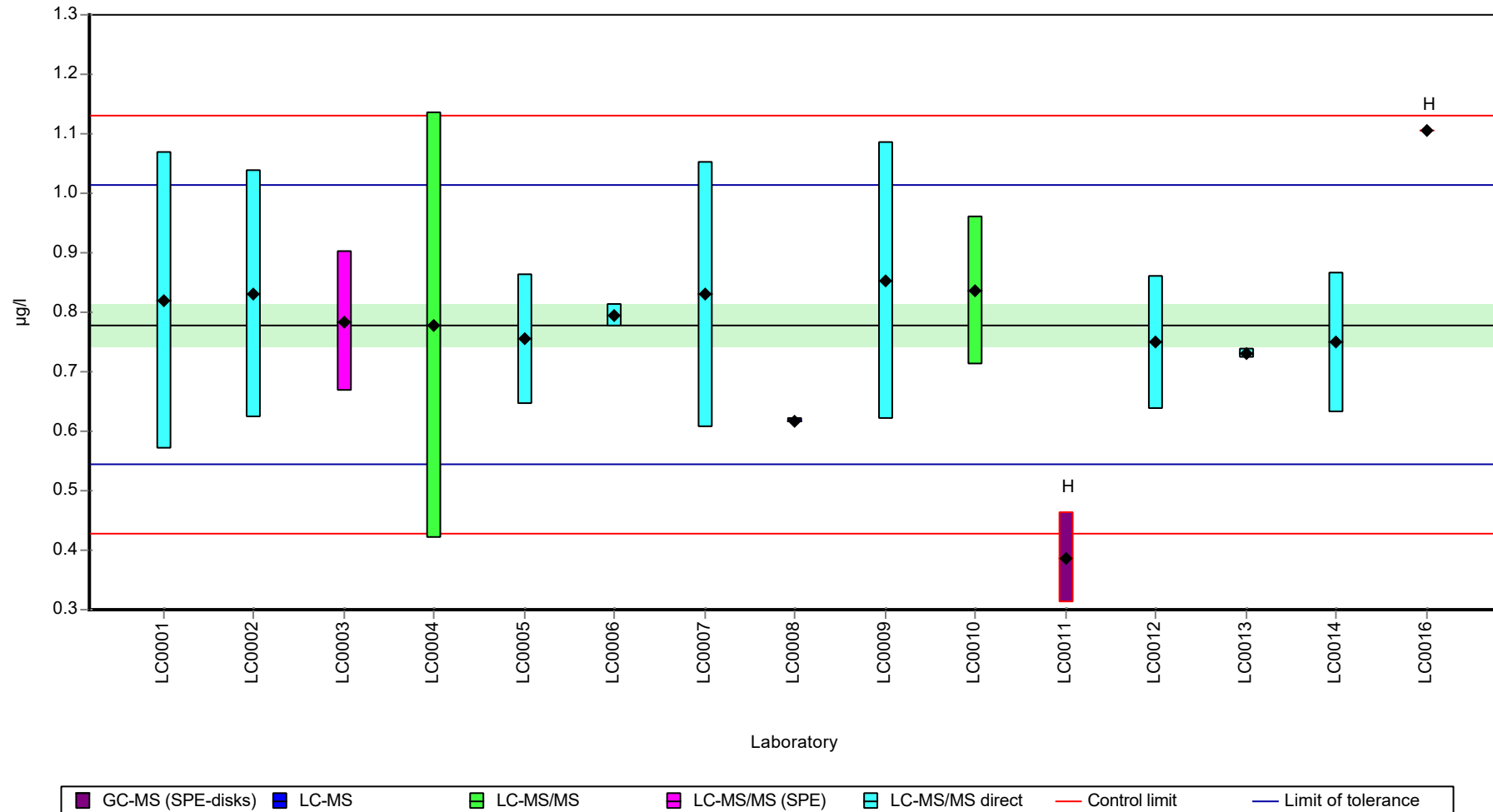
	all results	w ithout outliers	Unit
Mean ± CI (99%)	0.775 ± 0.115	0.779 ± 0.0518	µg/l
Minimum	0.387	0.618	µg/l
Maximum	1.11	0.852	µg/l
Standard deviation	0.148	0.0623	µg/l
rel. standard deviation	19.1	7.99	%
n	15	13	-

Parameter oriented report Pesticides H118

Sample: H118B, Parameter: Metolachlor

Graphical presentation of results

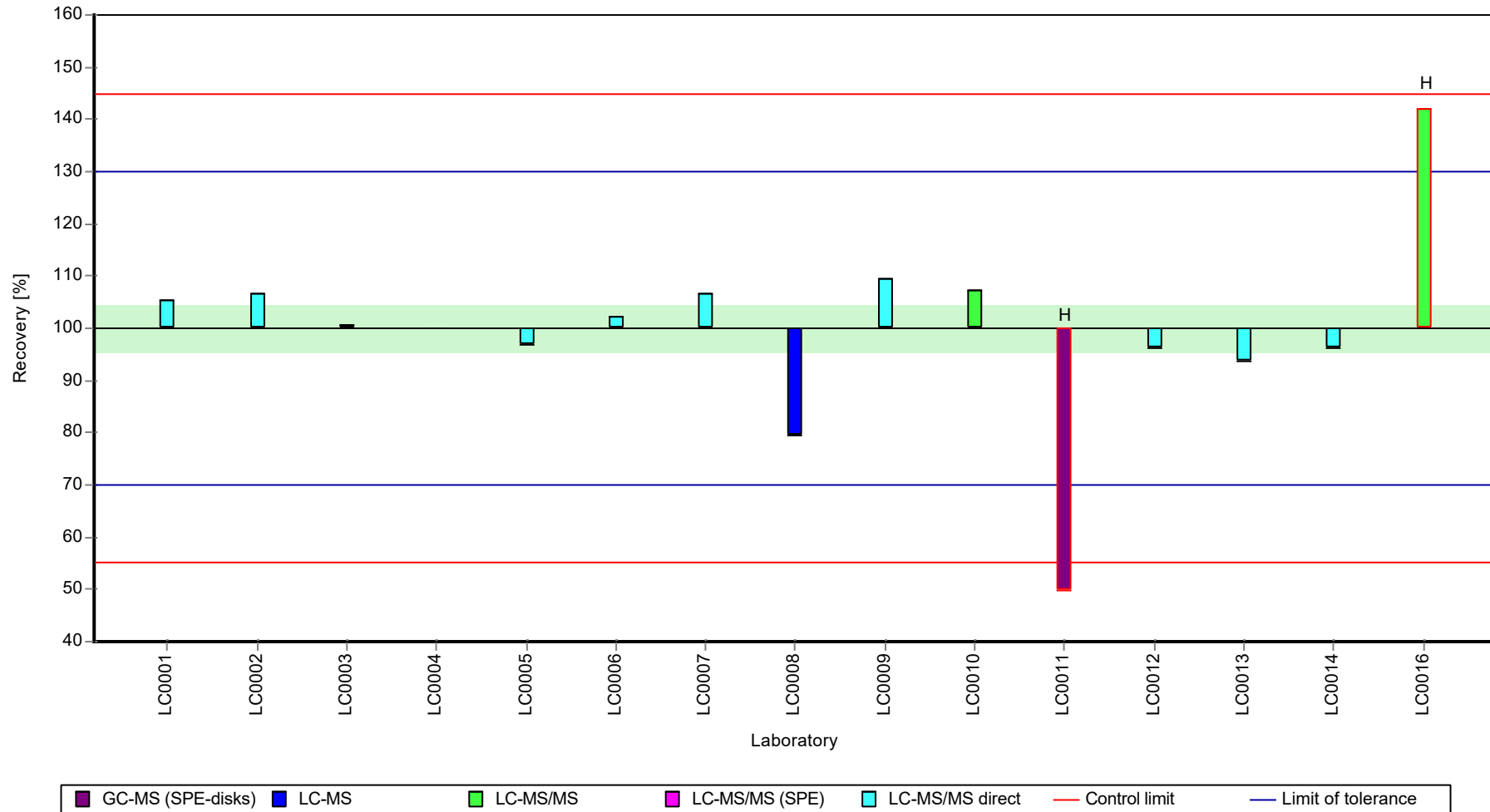
Results



Parameter oriented report Pesticides H118

Sample: H118B, Parameter: Metolachlor

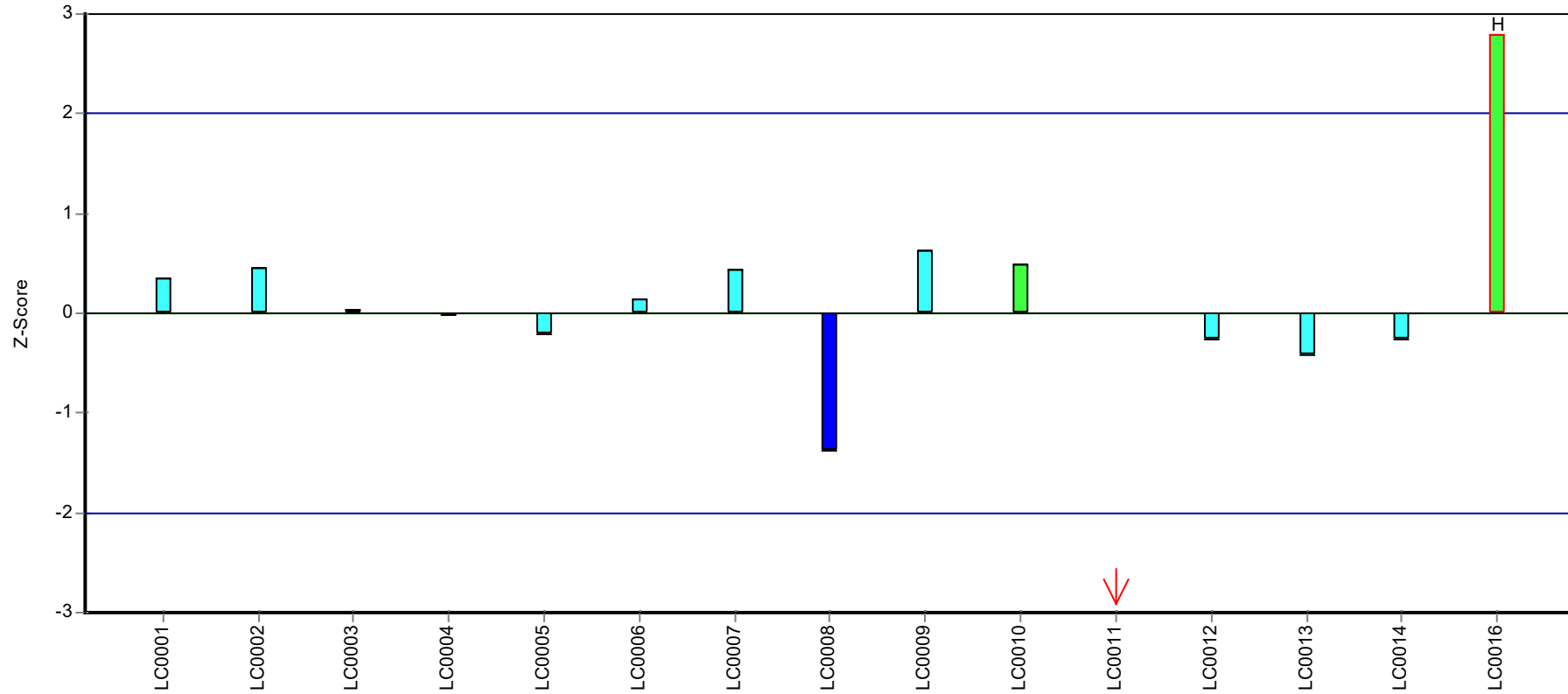
Recovery rate



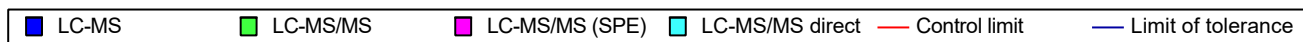
Parameter oriented report Pesticides H118

Sample: H118B, Parameter: Metolachlor

Z-score



Laboratory



Parameter oriented report Pesticides H118

Sample: H118A, Parameter: N,N-Dimethylsulfamide  
(DMS)

## Parameter oriented report

### H118 A

#### N,N-Dimethylsulfamide (DMS)\*

Unit	µg/l
Assigned value ± U (k=2)	-
Criterion	-
Minimum - Maximum	0.801 - 1.03
Control test value ± U (k=2)	0.770 ± 0.154

\*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): 0.910 +/- 0.0951 µg/l

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	1.0201	0.25503	-	-	
LC0003	-	-	-	-	
LC0004	0.9047	0.6163	-	-	
LC0005	-	-	-	-	
LC0006	0.9	0.034	-	-	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	-	-	-	-	
LC0010	-	-	-	-	
LC0011	1.5	0.3	-	-	H
LC0012	0.801	0.12	-	-	
LC0013	-	-	-	-	
LC0014	-	-	-	-	
LC0015	1.033	0.31	-	-	
LC0016	-	-	-	-	

#### Characteristics of parameter

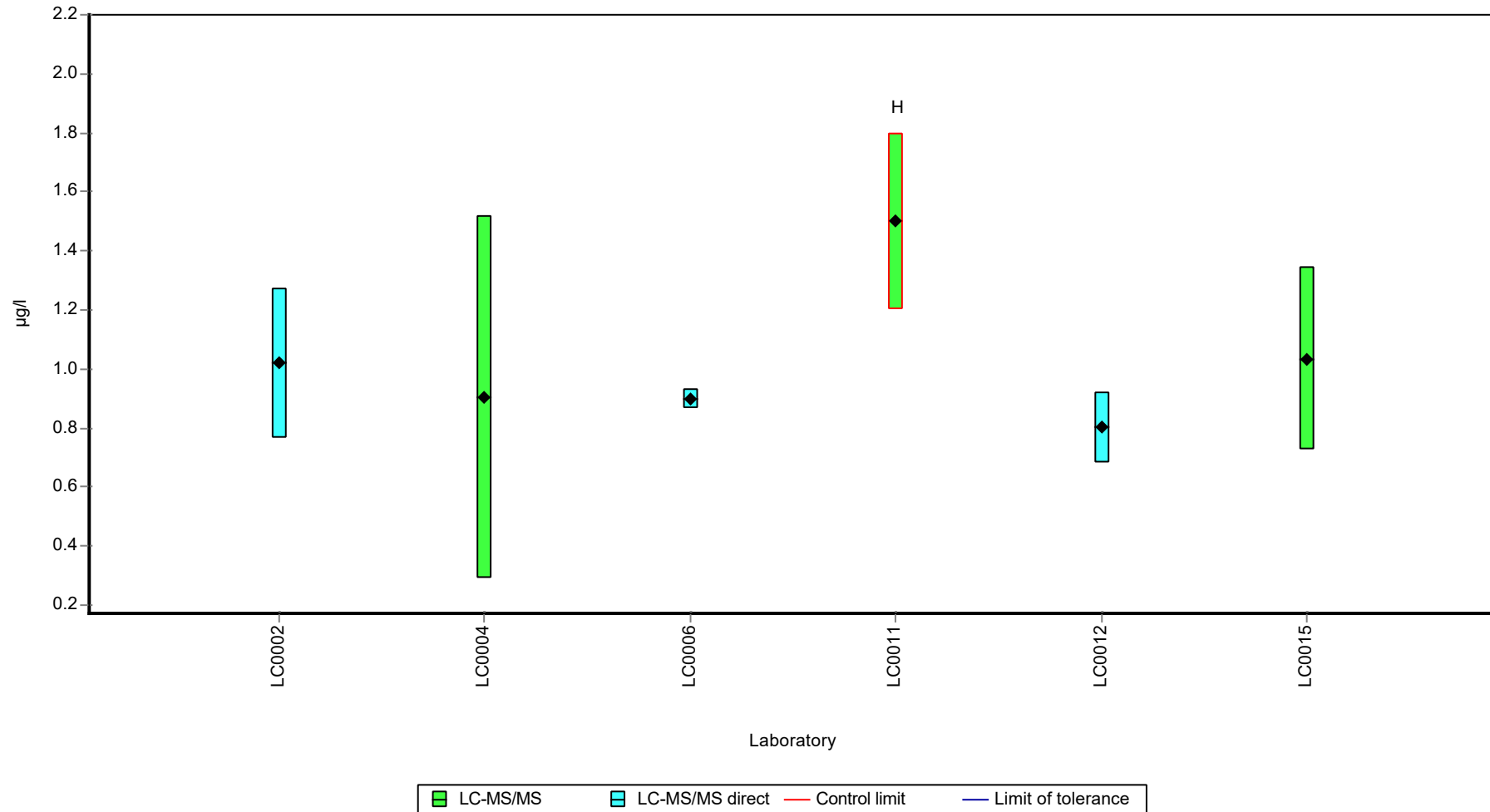
	all results	without outliers	Unit
Mean ± CI (99%)	1.03 ± 0.303	-	µg/l
Minimum	0.801	0.801	µg/l
Maximum	1.5	1.03	µg/l
Standard deviation	0.247	-	µg/l
rel. standard deviation	24.1	-	%
n	6	5	-

Parameter oriented report Pesticides H118

Sample: H118A, Parameter: N,N-Dimethylsulfamide (DMS)

Graphical presentation of results

Results



Parameter oriented report Pesticides H118

Sample: H118B, Parameter: N,N-Dimethylsulfamide  
(DMS)

## Parameter oriented report

### H118 B

#### N,N-Dimethylsulfamide (DMS)

Unit	µg/l
Assigned value ± U (k=2)	0.632 ± 0.136
Criterion	0.164 (26 %)
Minimum - Maximum	0.474 - 0.94
Control test value ± U (k=2)	0.502 ± 0.1

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	0.6342	0.15855	100	0.01	
LC0003	-	-	-	-	
LC0004	0.5868	0.3997	92.9	-0.27	
LC0005	-	-	-	-	
LC0006	0.474	0.035	75	-0.96	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	-	-	-	-	
LC0010	-	-	-	-	
LC0011	0.94	0.188	149	1.88	
LC0012	0.507	0.076	80.2	-0.76	
LC0013	-	-	-	-	
LC0014	-	-	-	-	
LC0015	0.649	0.195	103	0.1	
LC0016	-	-	-	-	

#### Characteristics of parameter

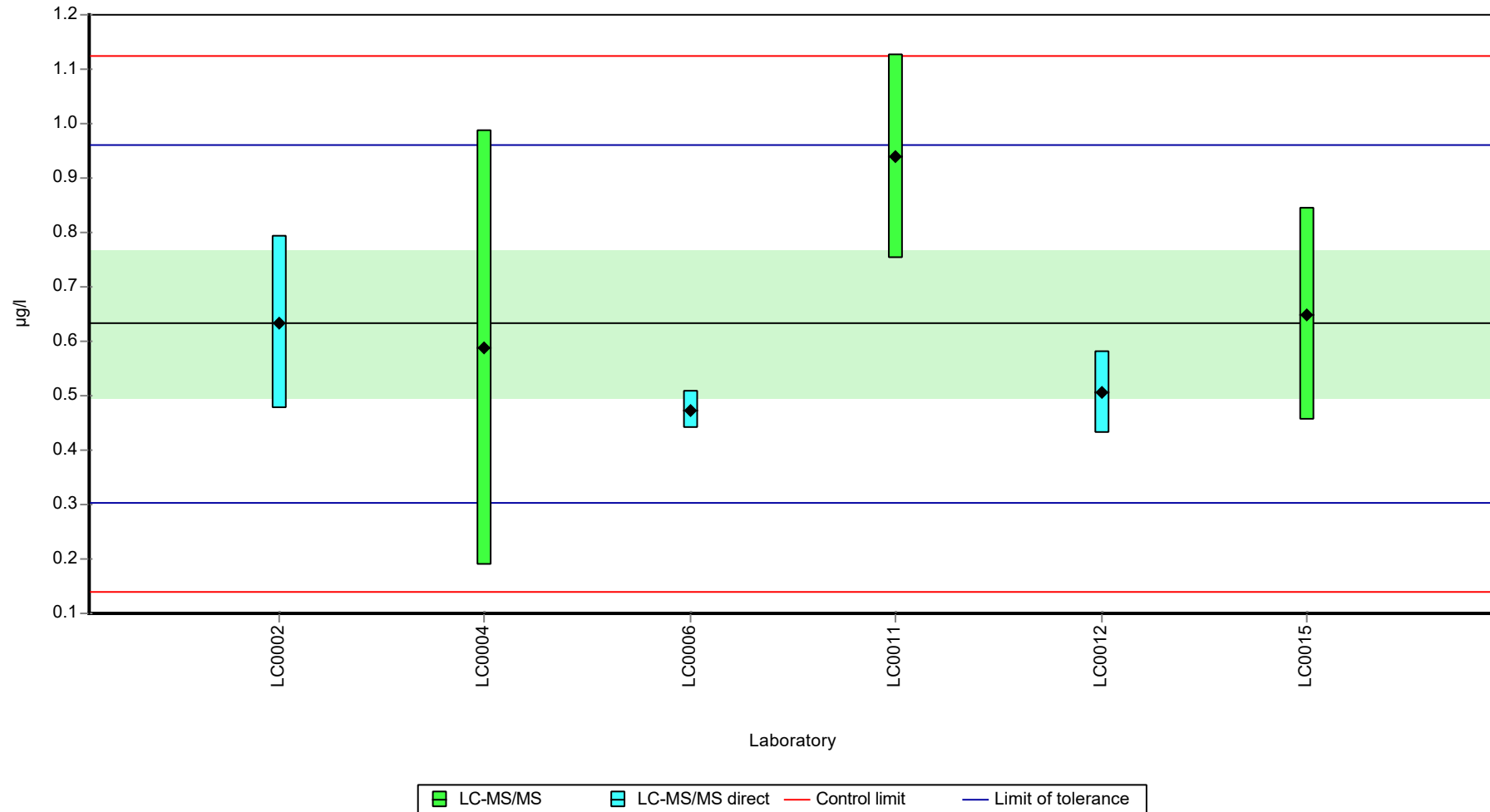
	all results	w ithout outliers	Unit
Mean ± CI (99%)	0.632 ± 0.203	0.632 ± 0.203	µg/l
Minimum	0.474	0.474	µg/l
Maximum	0.94	0.94	µg/l
Standard deviation	0.166	0.166	µg/l
rel. standard deviation	26.3	26.3	%
n	6	6	-

Parameter oriented report Pesticides H118

Sample: H118B, Parameter: N,N-Dimethylsulfamide (DMS)

Graphical presentation of results

Results

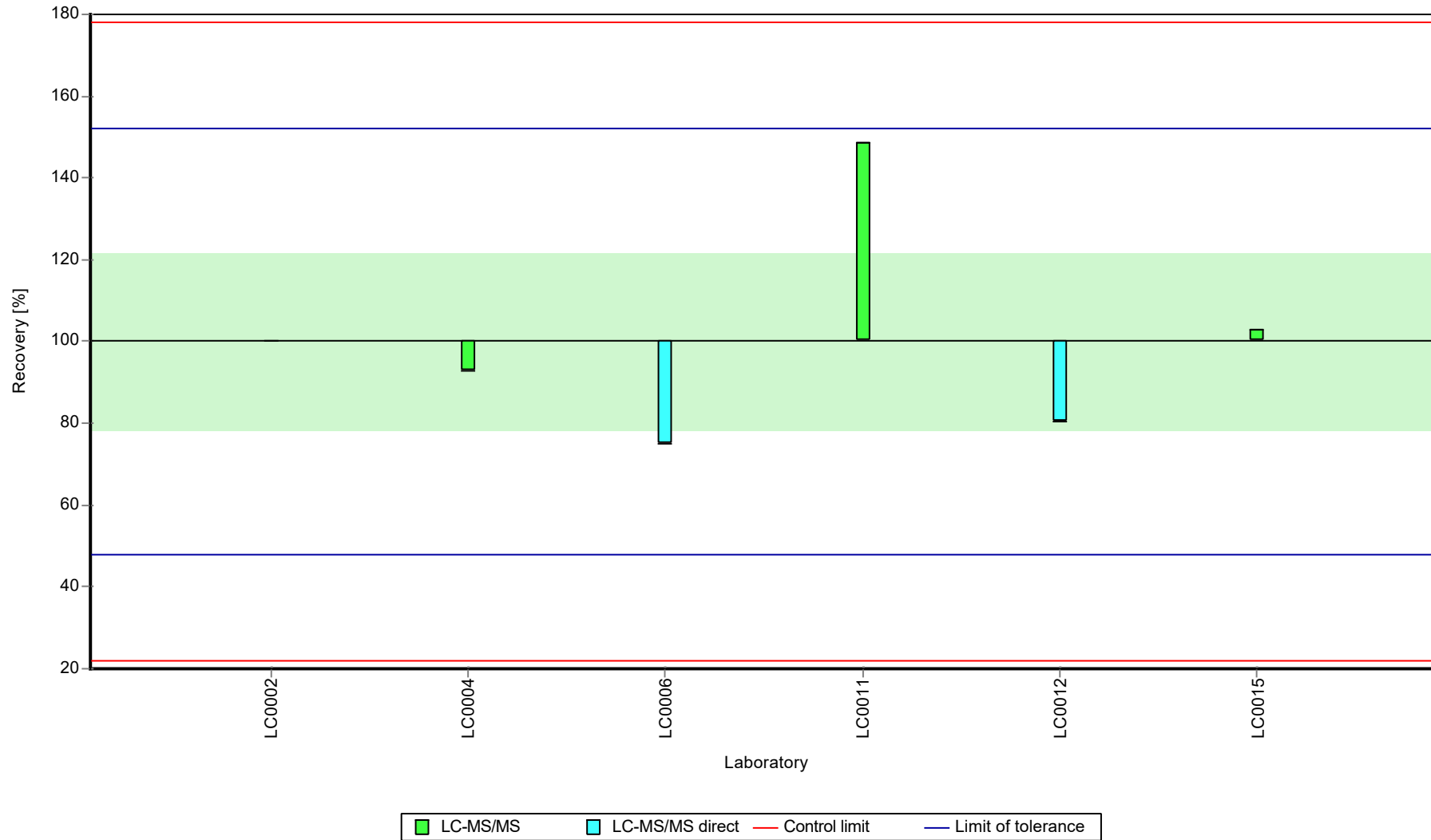




Parameter oriented report Pesticides H118

Sample: H118B, Parameter: N,N-Dimethylsulfamide (DMS)

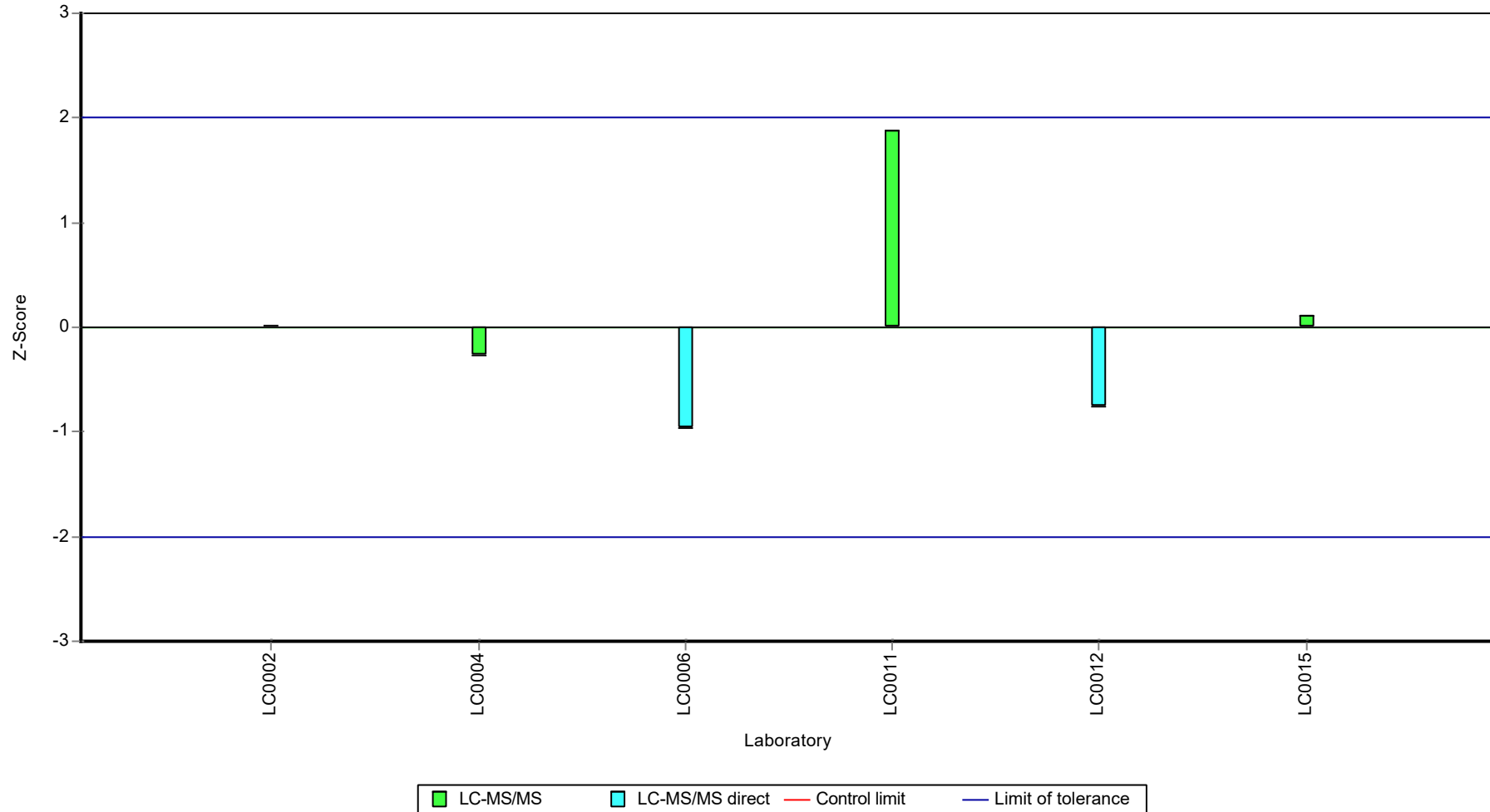
Recovery rate



Parameter oriented report Pesticides H118

Sample: H118B, Parameter: N,N-Dimethylsulfamide (DMS)

Z-score



## Parameter oriented report

### H118 A

#### Nicosulfurone\*

Unit	µg/l
Assigned value ± U (k=2)	-
Criterion	-
Minimum - Maximum	0.34 - 0.44
Control test value ± U (k=2)	0.389 ± 0.175

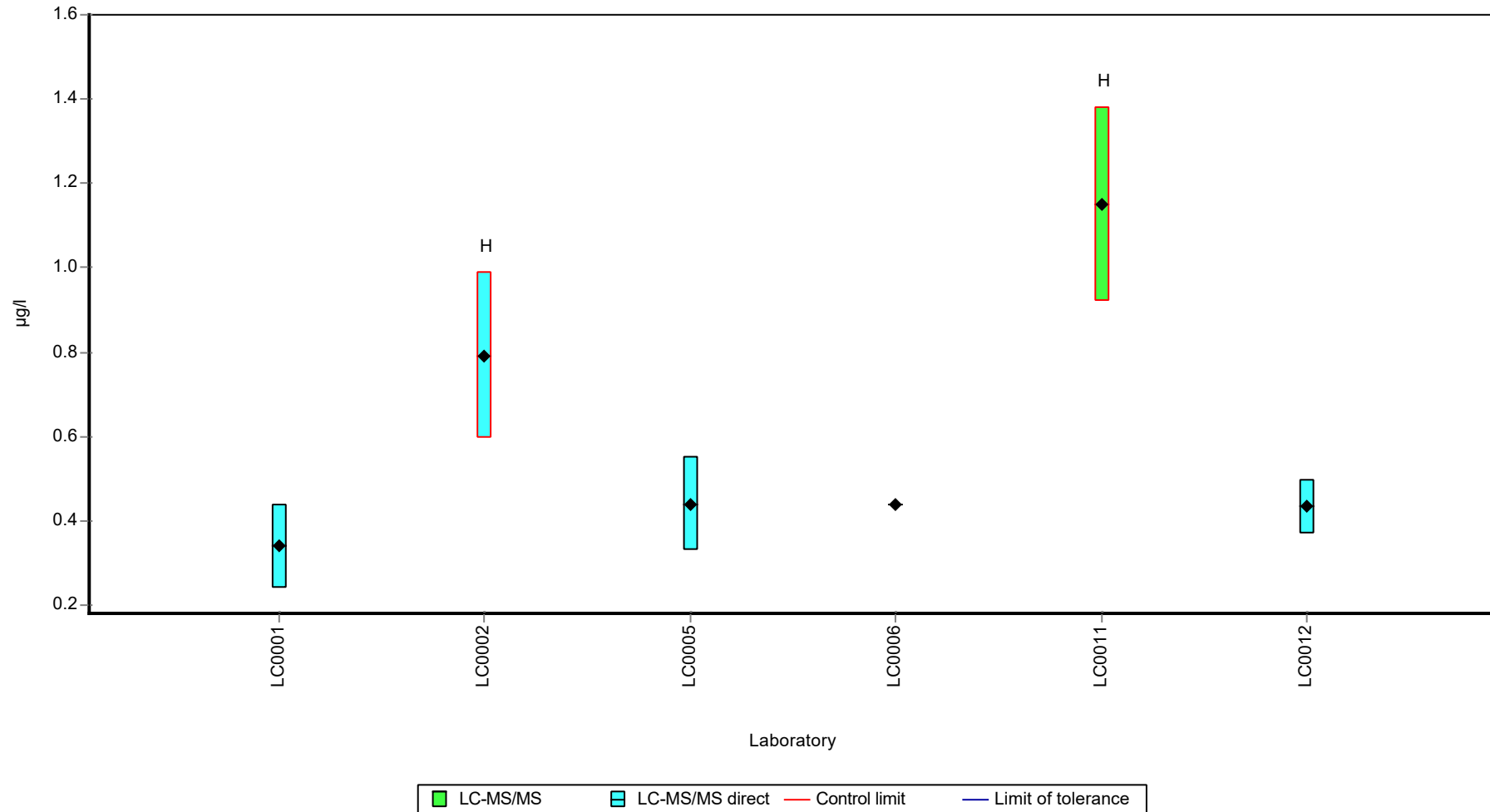
\*The calculated mean value MV +/- U(k=2) based on the data of the accredited laboratories (n) after outlier removal is listed for information. This can be used for comparison as part of your internal QA measures: MV(n=4 accr.) +/- U(k=2):0.413 +/- 0.0489 µg/l

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.34	0.1	-	-	
LC0002	0.7909	0.19773	-	-	H
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	0.44	0.11	-	-	
LC0006	0.44	0.002	-	-	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	-	-	-	-	
LC0010	-	-	-	-	
LC0011	1.15	0.23	-	-	H
LC0012	0.433	0.065	-	-	
LC0013	-	-	-	-	
LC0014	-	-	-	-	
LC0015	-	-	-	-	
LC0016	-	-	-	-	

#### Characteristics of parameter

	all results	w ithout outliers	Unit
Mean ± CI (99%)	0.599 ± 0.382	-	µg/l
Minimum	0.34	0.34	µg/l
Maximum	1.15	0.44	µg/l
Standard deviation	0.312	-	µg/l
rel. standard deviation	52	-	%
n	6	4	-

Graphical presentation of results  
 Results



## Parameter oriented report

### H118 B

#### Nicosulfurone\*

Unit	µg/l
Assigned value ± U (k=2)	-
Criterion	-
Minimum - Maximum	0.655 - 0.729
Control test value ± U (k=2)	0.646 ± 0.291

\*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): 0.694+/-0.0308 µg/l

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.69	0.21	-	-	
LC0002	1.2184	0.3046	-	-	H
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	0.703	0.14	-	-	
LC0006	0.729	0.007	-	-	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	-	-	-	-	
LC0010	-	-	-	-	
LC0011	1.84	0.37	-	-	H
LC0012	0.655	0.098	-	-	
LC0013	-	-	-	-	
LC0014	-	-	-	-	
LC0015	-	-	-	-	
LC0016	-	-	-	-	

#### Characteristics of parameter

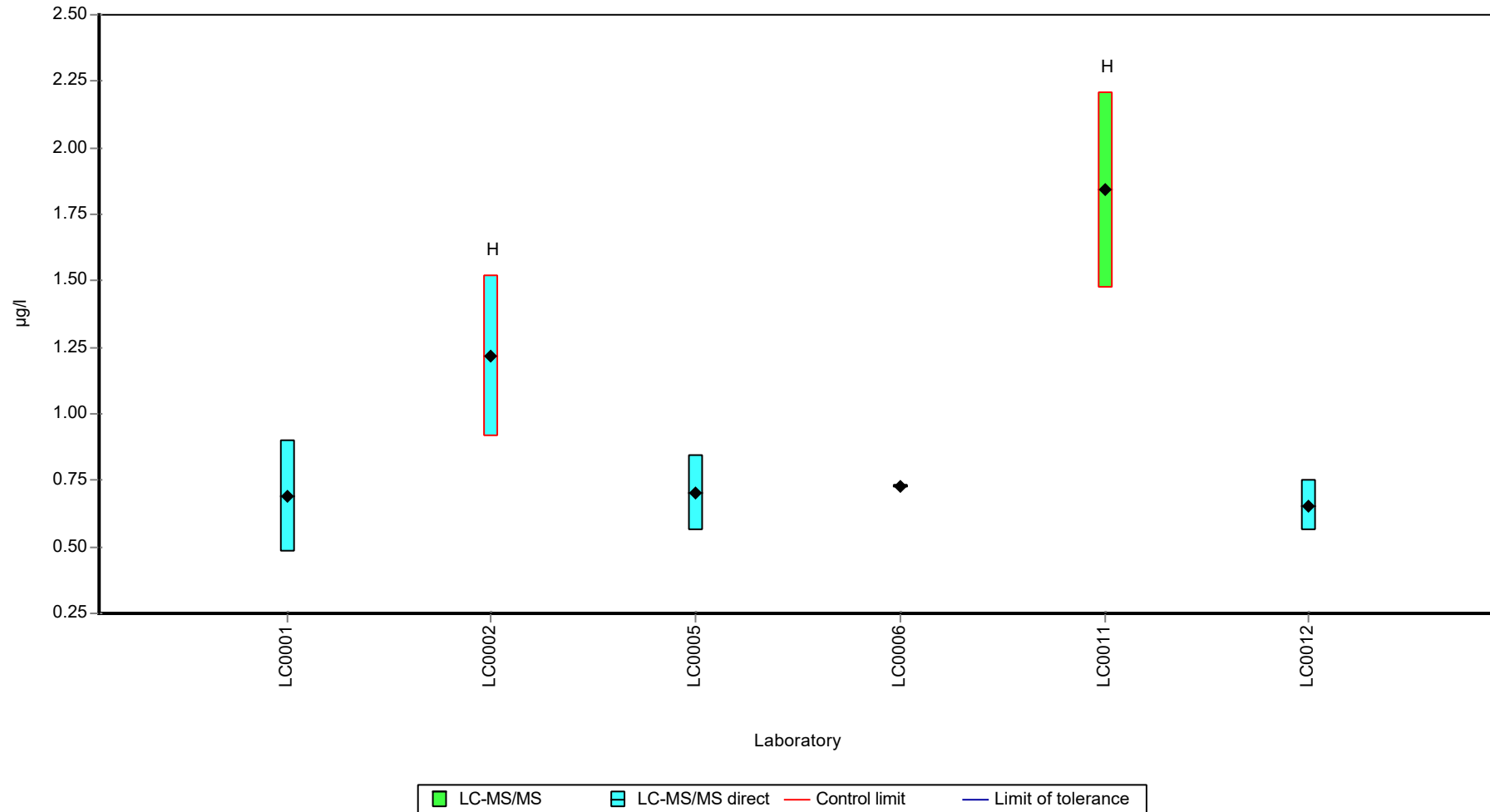
	all results	without outliers	Unit
Mean ± CI (99%)	0.973 ± 0.581	-	µg/l
Minimum	0.655	0.655	µg/l
Maximum	1.84	0.729	µg/l
Standard deviation	0.474	-	µg/l
rel. standard deviation	48.8	-	%
n	6	4	-

Parameter oriented report Pesticides H118

Sample: H118B, Parameter: Nicosulfurone

Graphical presentation of results

Results



Parameter oriented report Pesticides H118

Sample: H118A, Parameter: Prometryn

## Parameter oriented report

### H118 A

#### Prometryn

Unit	µg/l
Assigned value ± U (k=2)	0.505 ± 0.0111
Criterion	0.0656 (13 %)
Minimum - Maximum	0.479 - 0.523
Control test value ± U (k=2)	0.501 ± 0.225

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.5	0.15	99.1	-0.07	
LC0002	-	-	-	-	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	0.5	0.1	99.1	-0.07	
LC0006	0.512	0.012	101	0.11	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	0.518	0.076	103	0.2	
LC0010	0.5117	0.0767	101	0.11	
LC0011	0.219	0.044	43.4	-4.35	H
LC0012	0.479	0.072	94.9	-0.39	
LC0013	0.52	0.008	103	0.23	
LC0014	0.523	0.045	104	0.28	
LC0015	0.479	0.144	94.9	-0.39	
LC0016	0.6822	0.00041	135	2.7	H

#### Characteristics of parameter

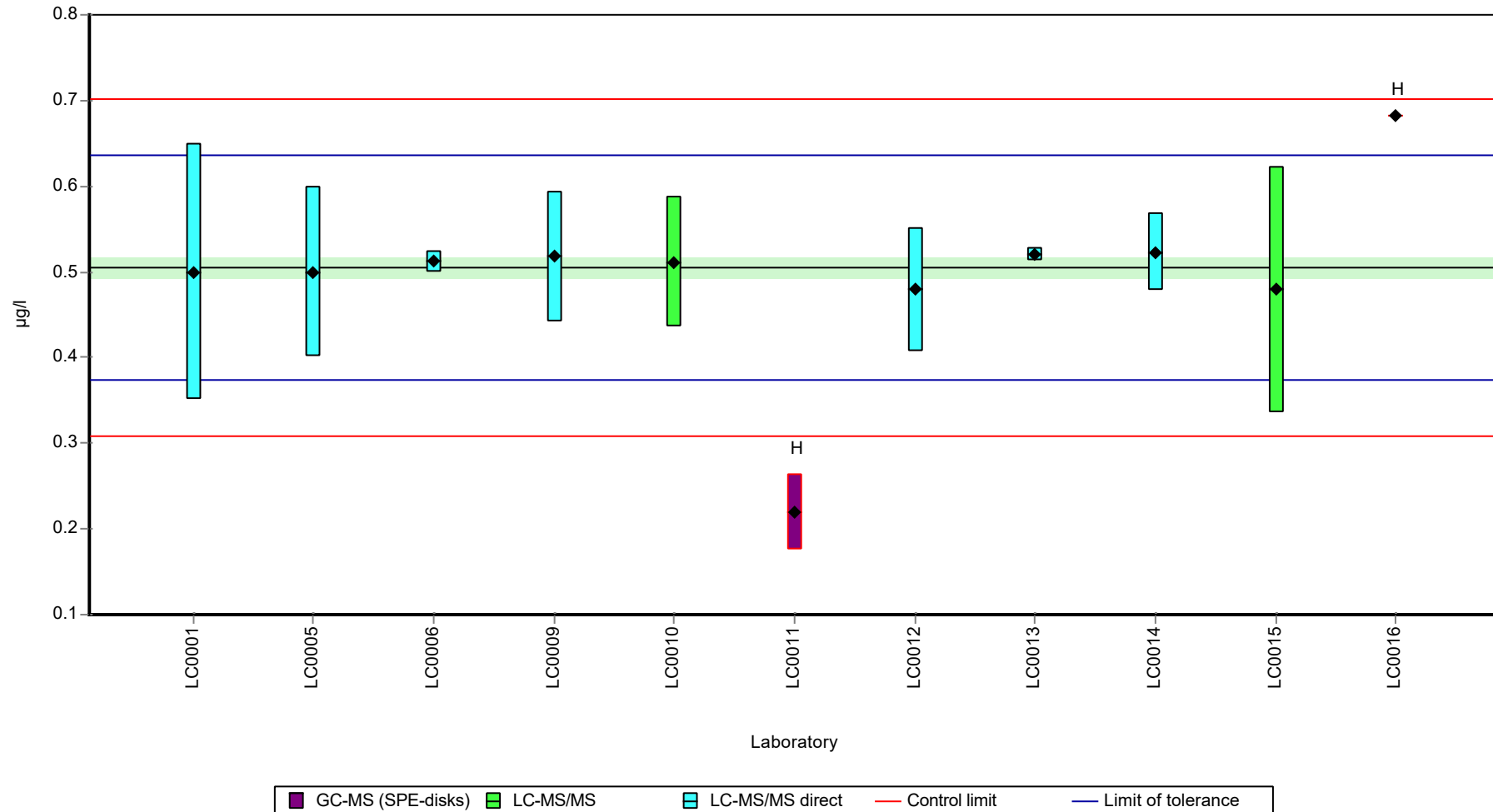
	all results	w ithout outliers	Unit
Mean ± CI (99%)	0.495 ± 0.0967	0.505 ± 0.0166	µg/l
Minimum	0.219	0.479	µg/l
Maximum	0.682	0.523	µg/l
Standard deviation	0.107	0.0166	µg/l
rel. standard deviation	21.6	3.3	%
n	11	9	-

Parameter oriented report Pesticides H118

Sample: H118A, Parameter: Prometryn

Graphical presentation of results

Results

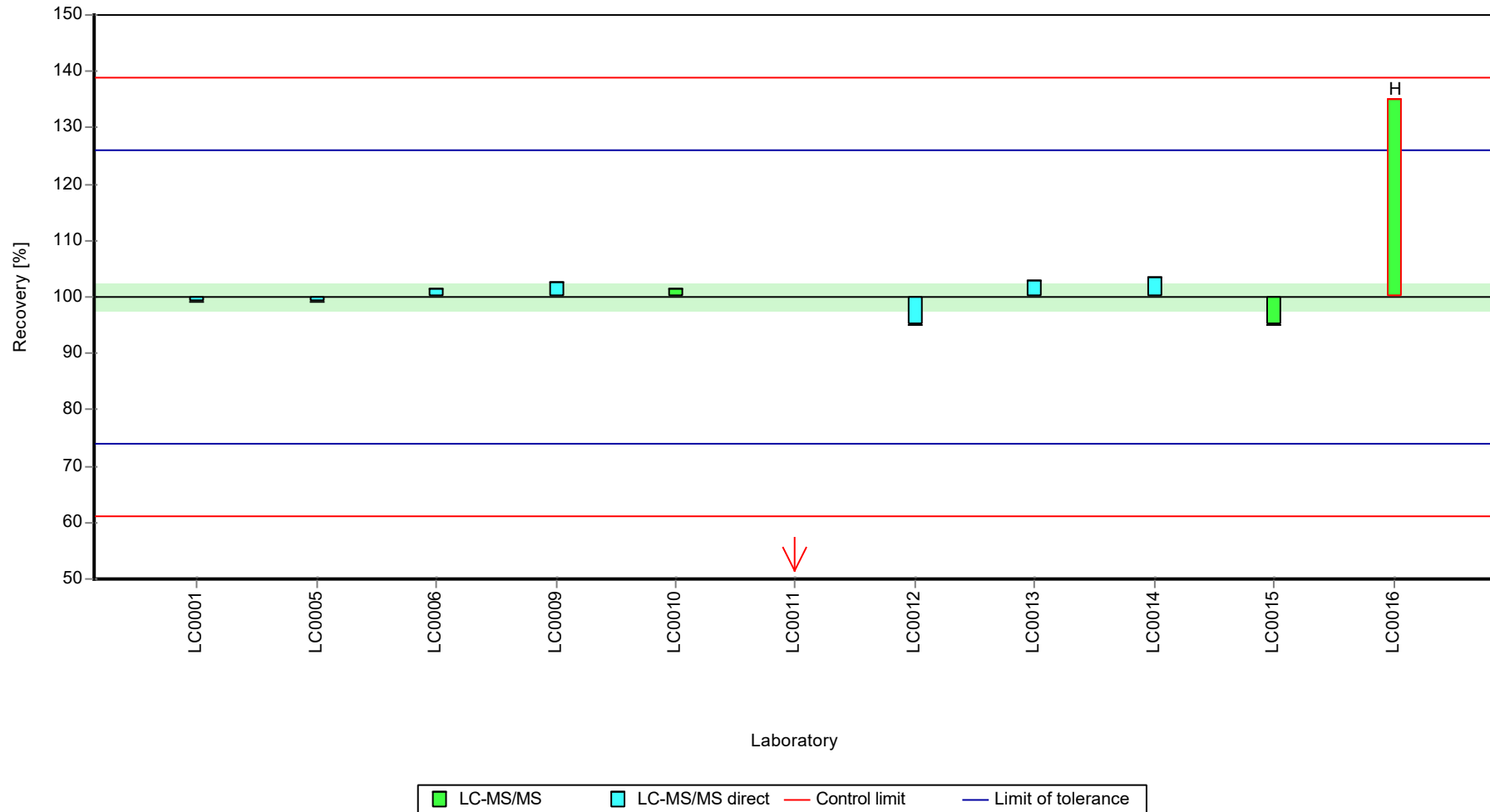




Parameter oriented report Pesticides H118

Sample: H118A, Parameter: Prometryn

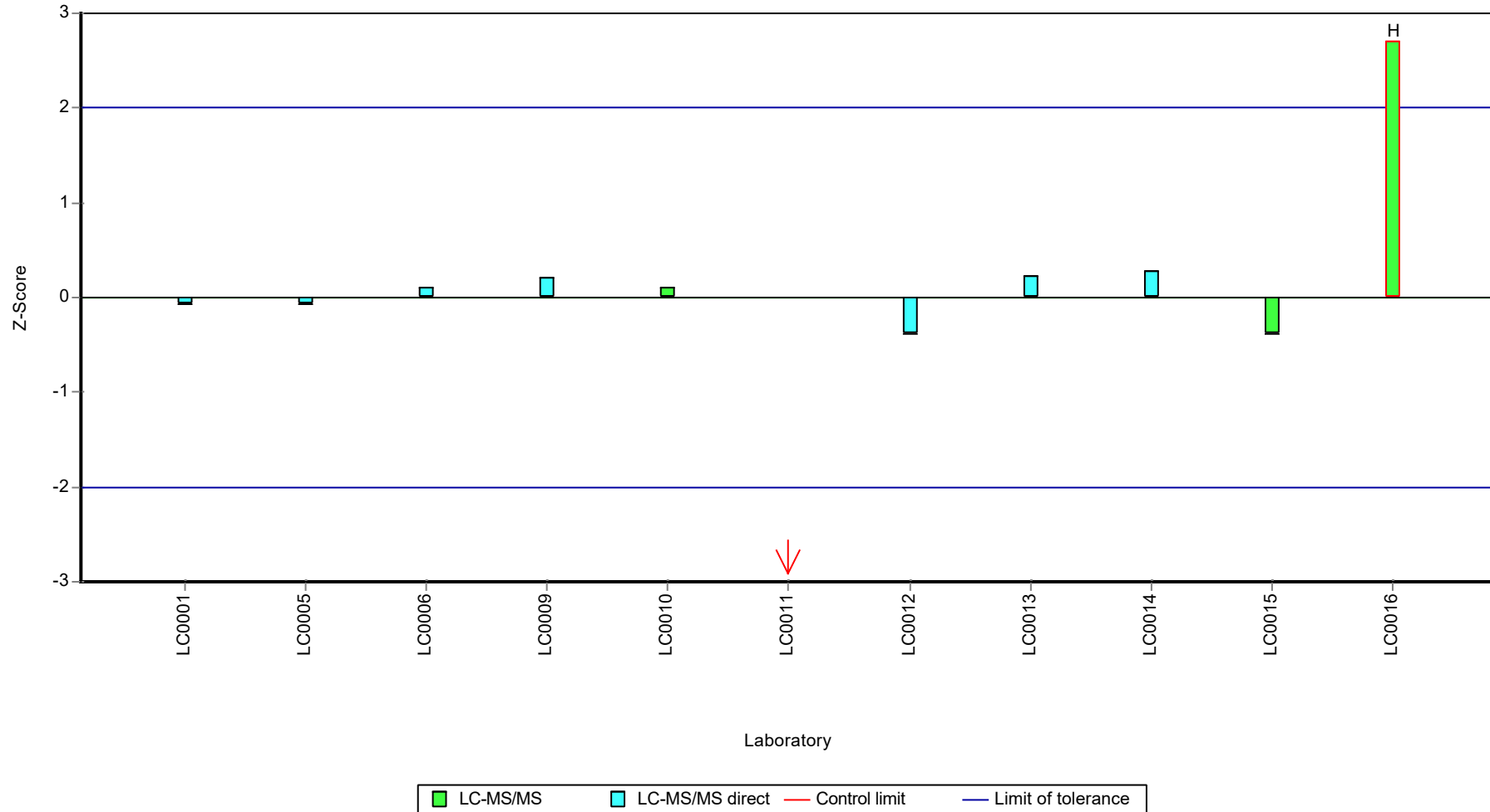
Recovery rate



Parameter oriented report Pesticides H118

Sample: H118A, Parameter: Prometryn

Z-score



## Parameter oriented report

### H118 B

#### Prometryn

Unit	µg/l
Assigned value ± U (k=2)	0.732 ± 0.0216
Criterion	0.0952 (13 %)
Minimum - Maximum	0.669 - 0.768
Control test value ± U (k=2)	0.748 ± 0.337

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.73	0.22	99.7	-0.02	
LC0002	-	-	-	-	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	0.75	0.15	102	0.19	
LC0006	0.768	0.012	105	0.38	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	0.724	0.106	98.9	-0.08	
LC0010	0.7127	0.1069	97.4	-0.2	
LC0011	0.328	0.066	44.8	-4.25	H
LC0012	0.71	0.107	97	-0.23	
LC0013	0.765	0.024	104	0.35	
LC0014	0.76	0.066	104	0.29	
LC0015	0.669	0.201	91.4	-0.66	
LC0016	1.0773	0.00065	147	3.63	H

#### Characteristics of parameter

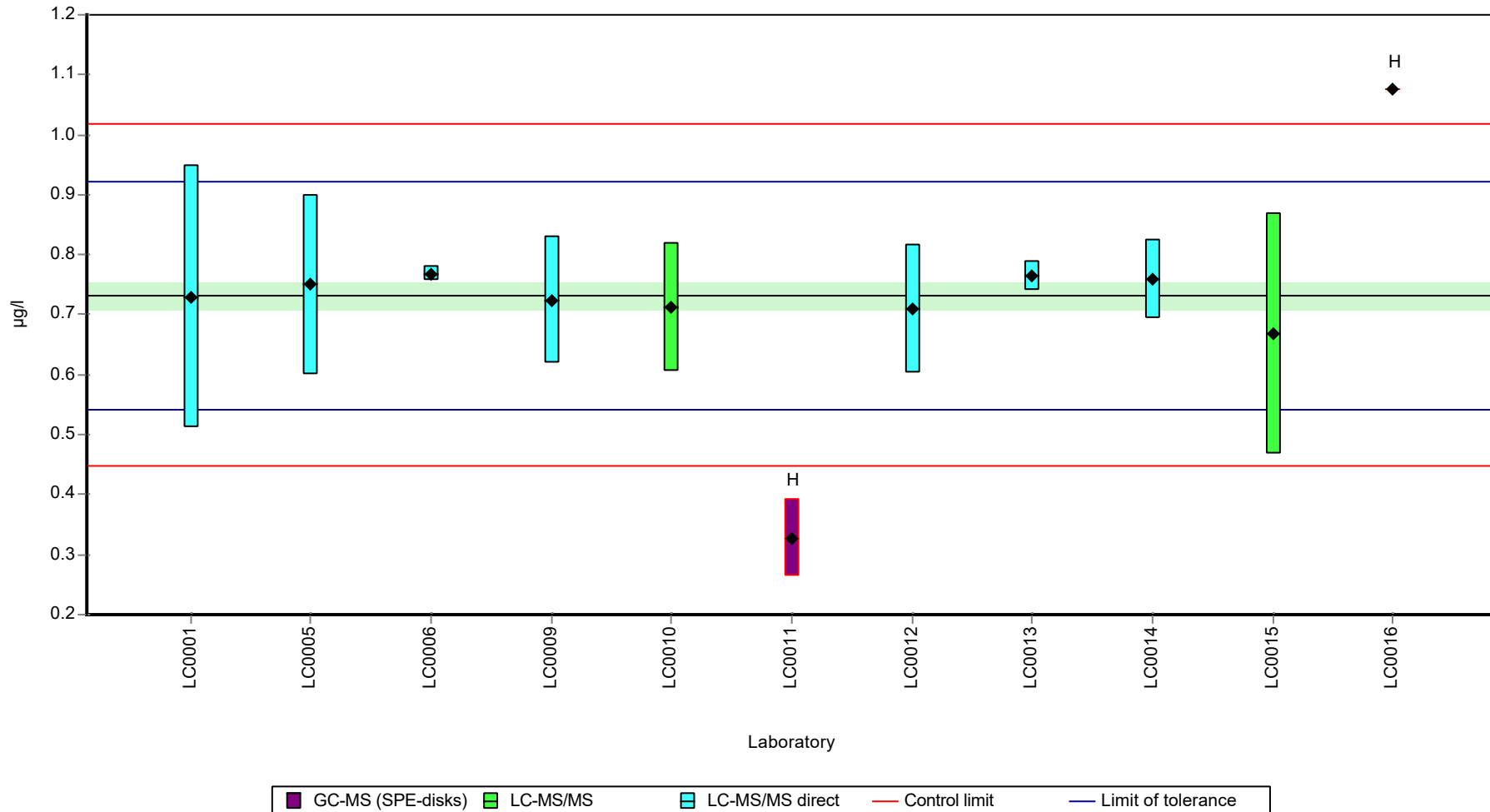
	all results	w ithout outliers	Unit
Mean ± CI (99%)	0.727 ± 0.154	0.732 ± 0.0324	µg/l
Minimum	0.328	0.669	µg/l
Maximum	1.08	0.768	µg/l
Standard deviation	0.17	0.0324	µg/l
rel. standard deviation	23.5	4.42	%
n	11	9	-

Parameter oriented report Pesticides H118

Sample: H118B, Parameter: Prometryn

Graphical presentation of results

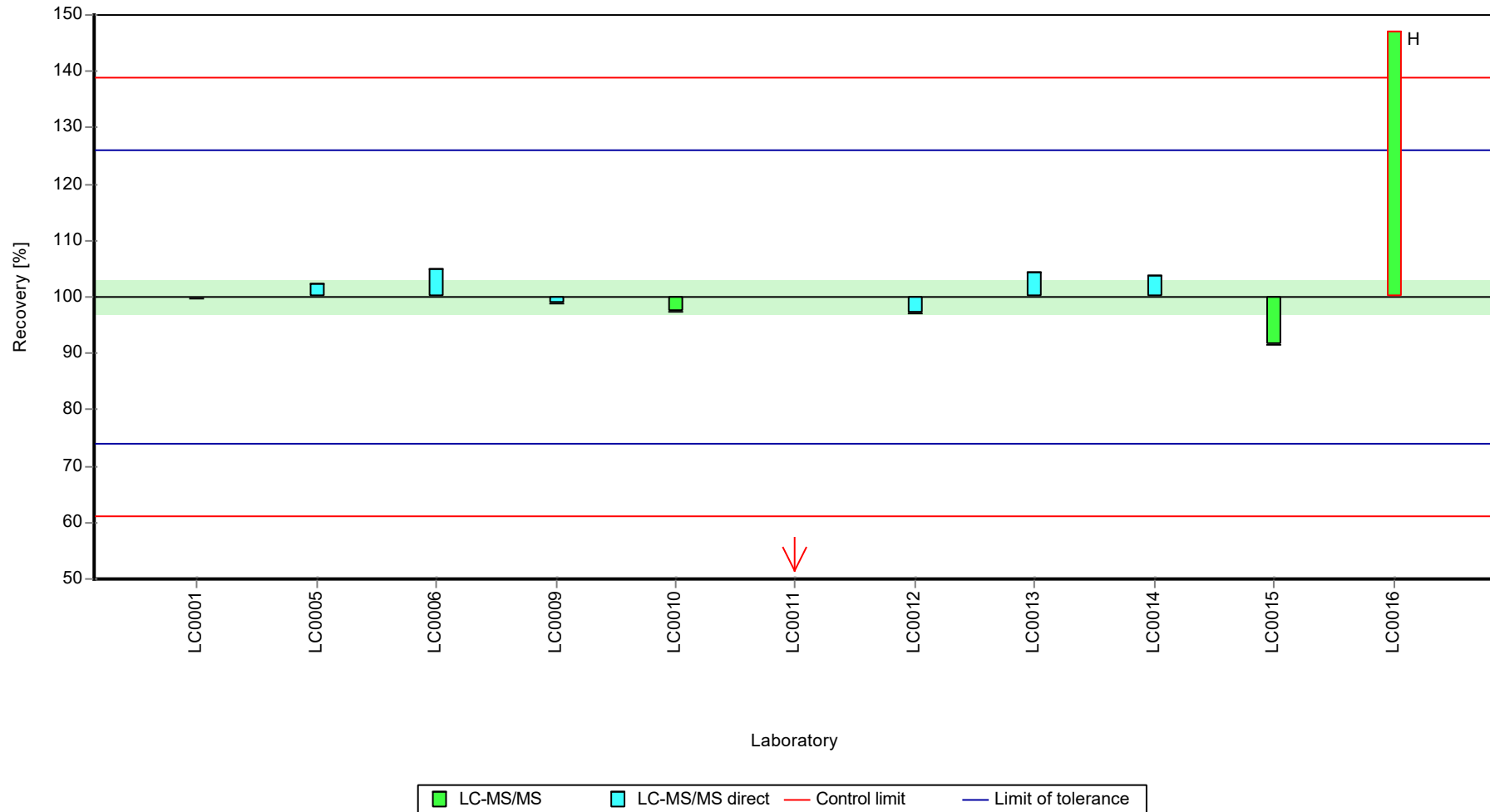
Results



Parameter oriented report Pesticides H118

Sample: H118B, Parameter: Prometryn

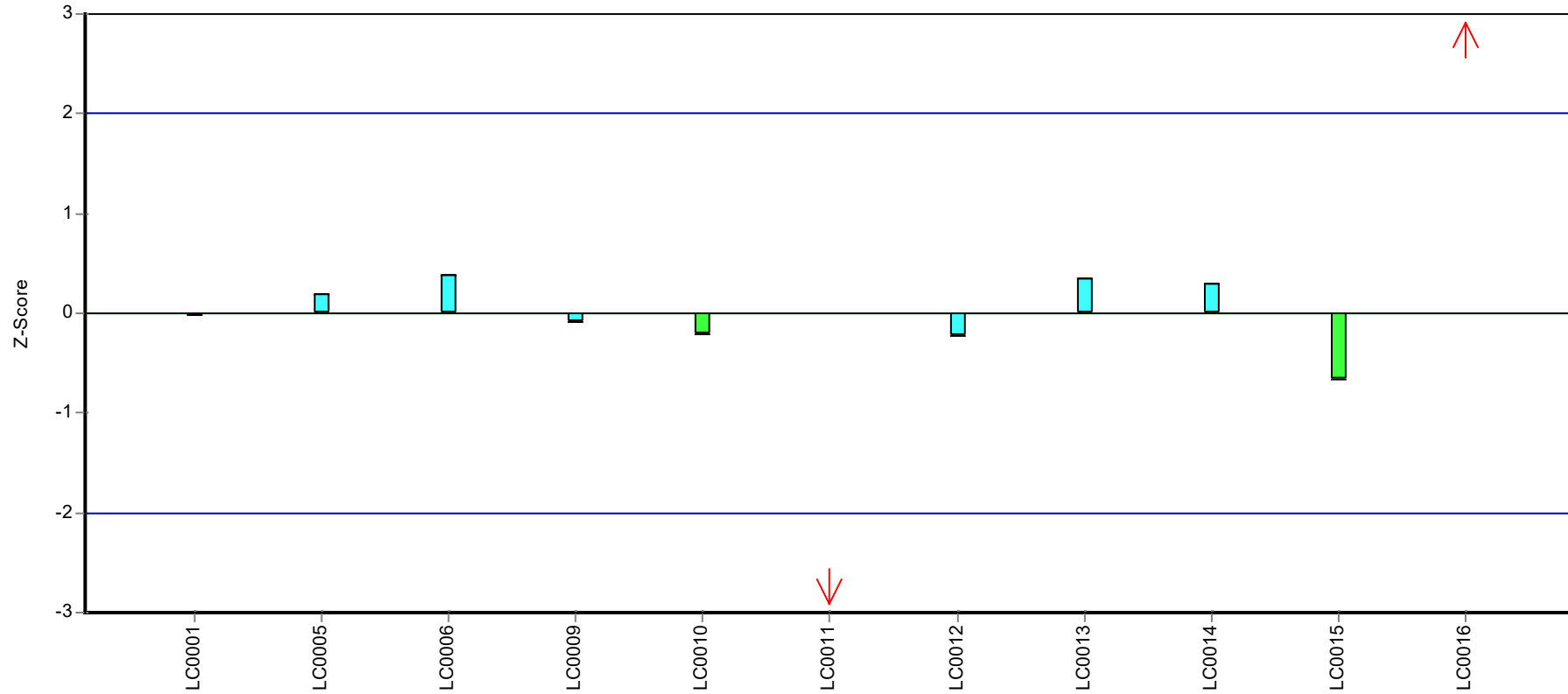
Recovery rate



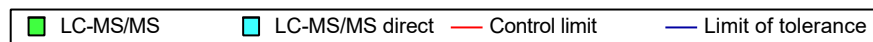
Parameter oriented report Pesticides H118

Sample: H118B, Parameter: Prometryn

Z-score



Laboratory



Parameter oriented report Pesticides H118

Sample: H118A, Parameter: Propazine

## Parameter oriented report

### H118 A

#### Propazine

Unit	µg/l
Assigned value ± U (k=2)	0.349 ± 0.0189
Criterion	0.0454 (13 %)
Minimum - Maximum	0.301 - 0.392
Control test value ± U (k=2)	0.429 ± 0.15

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	-	-	-	-	
LC0004	0.392	0.1	112	0.94	
LC0005	0.34	0.068	97.3	-0.21	
LC0006	0.351	0.007	100	0.04	
LC0007	-	-	-	-	
LC0008	0.301	0.013	86.2	-1.06	
LC0009	0.375	0.061	107	0.57	
LC0010	0.3633	0.0545	104	0.31	
LC0011	0.187	0.037	53.5	-3.57	H
LC0012	0.321	0.048	91.9	-0.62	
LC0013	0.334	0.003	95.6	-0.34	
LC0014	-	-	-	-	
LC0015	-	-	-	-	
LC0016	0.3666	0.0002	105	0.38	

#### Characteristics of parameter

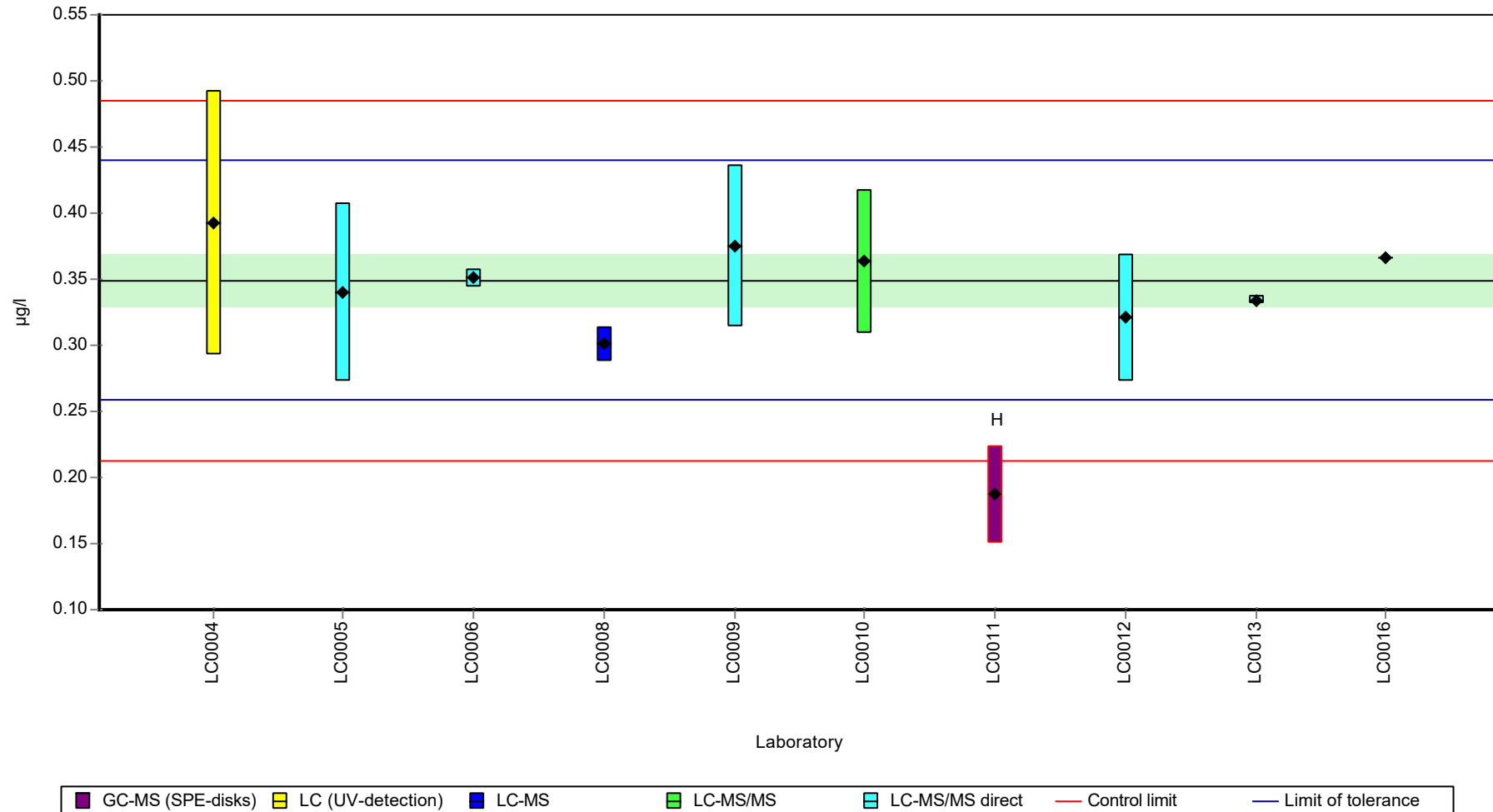
	all results	w ithout outliers	Unit
Mean ± CI (99%)	0.333 ± 0.0549	0.349 ± 0.0284	µg/l
Minimum	0.187	0.301	µg/l
Maximum	0.392	0.392	µg/l
Standard deviation	0.0579	0.0284	µg/l
rel. standard deviation	17.4	8.12	%
n	10	9	-

Parameter oriented report Pesticides H118

Sample: H118A, Parameter: Propazine

Graphical presentation of results

Results

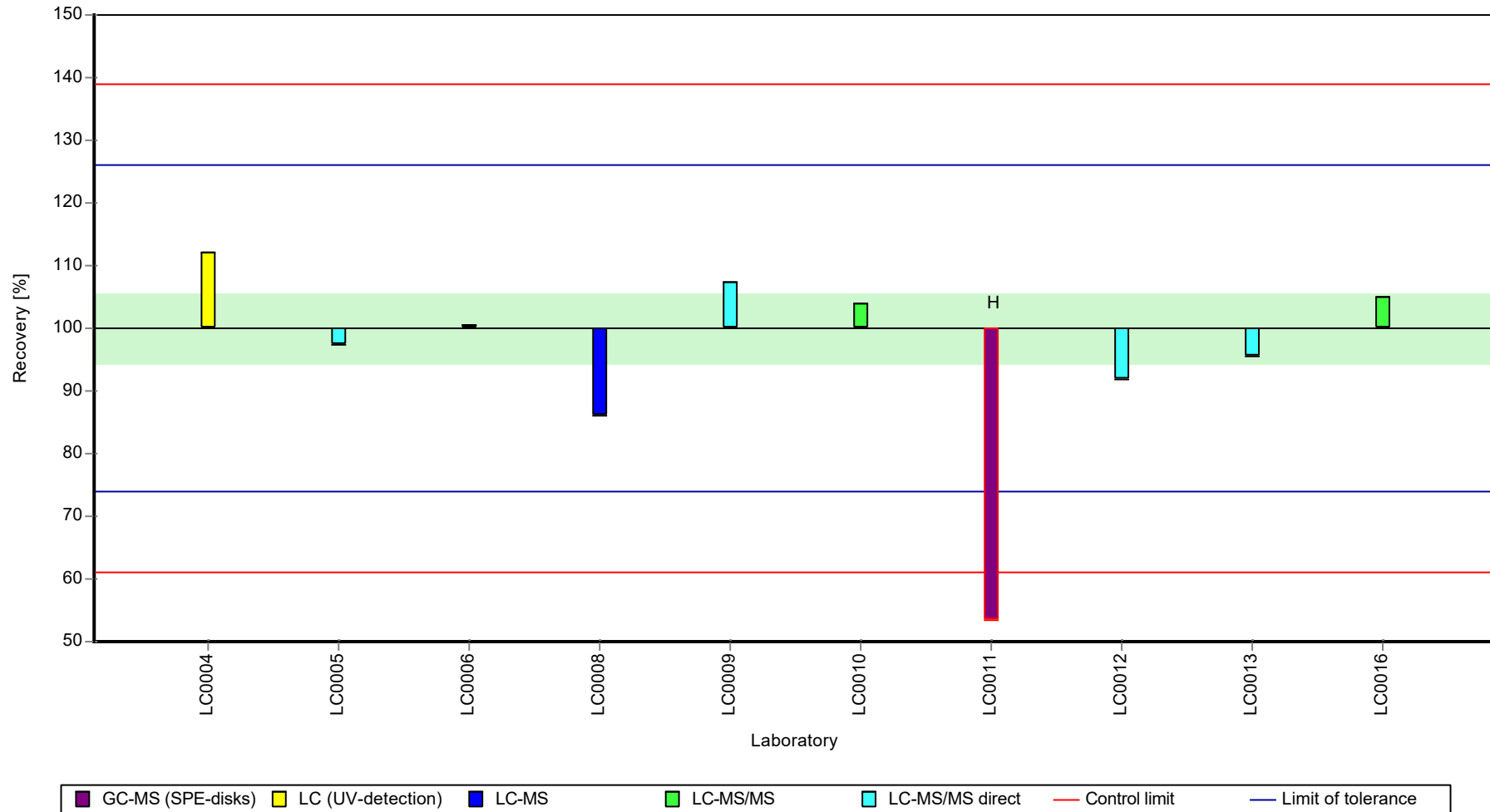




Parameter oriented report Pesticides H118

Sample: H118A, Parameter: Propazine

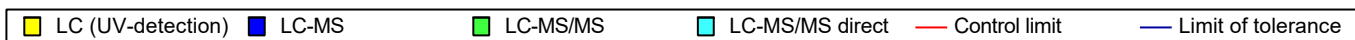
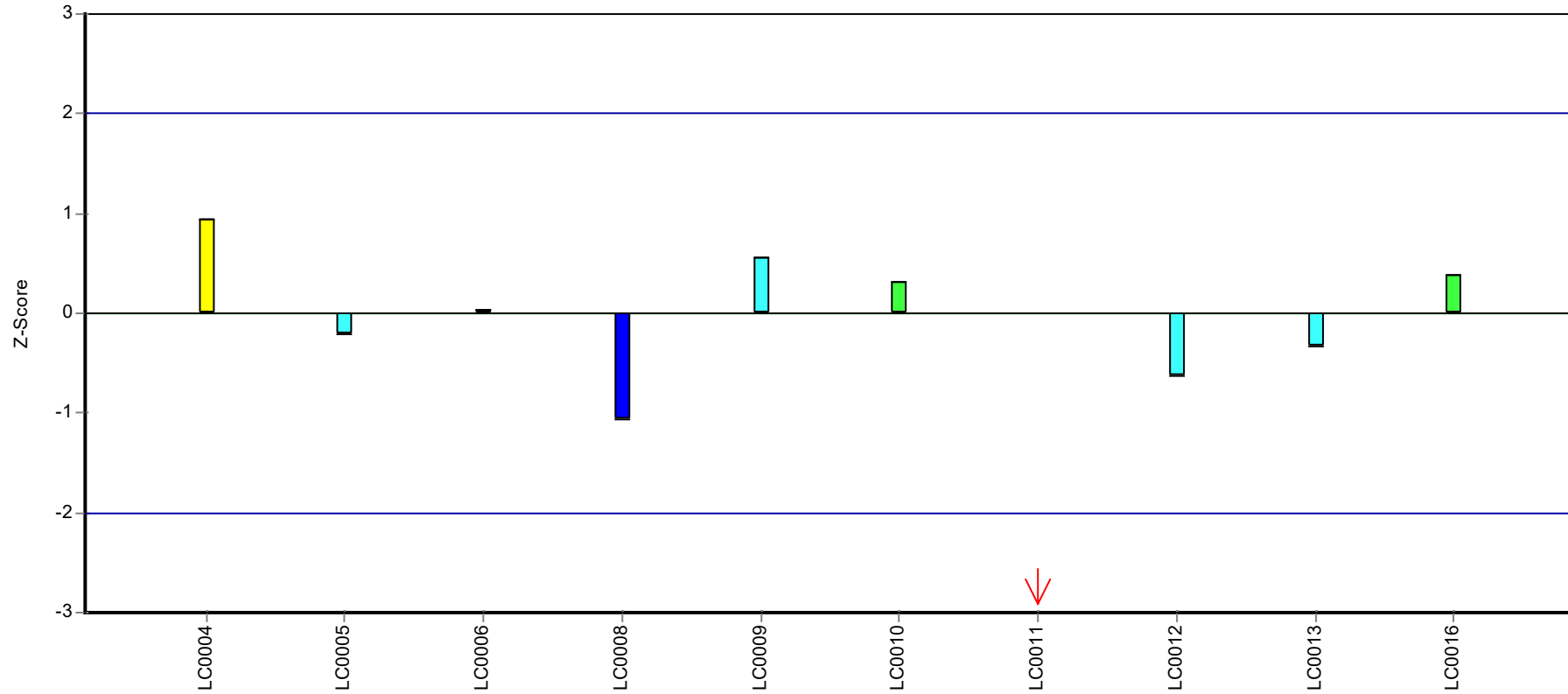
Recovery rate



Parameter oriented report Pesticides H118

Sample: H118A, Parameter: Propazine

Z-score



Parameter oriented report Pesticides H118

Sample: H118B, Parameter: Propazine

## Parameter oriented report

### H118 B

#### Propazine

Unit	µg/l
Assigned value ± U (k=2)	0.568 ± 0.0414
Criterion	0.0739 (13 %)
Minimum - Maximum	0.447 - 0.649
Control test value ± U (k=2)	0.684 ± 0.239

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	-	-	-	-	
LC0004	0.596	0.153	105	0.37	
LC0005	0.561	0.11	98.7	-0.1	
LC0006	0.601	0.025	106	0.44	
LC0007	-	-	-	-	
LC0008	0.447	0.011	78.6	-1.64	
LC0009	0.649	0.106	114	1.09	
LC0010	0.5471	0.0821	96.3	-0.29	
LC0011	0.285	0.057	50.1	-3.84	H
LC0012	0.587	0.088	103	0.25	
LC0013	0.559	0.012	98.3	-0.13	
LC0014	-	-	-	-	
LC0015	-	-	-	-	
LC0016	0.7314	0.0004	129	2.21	H

#### Characteristics of parameter

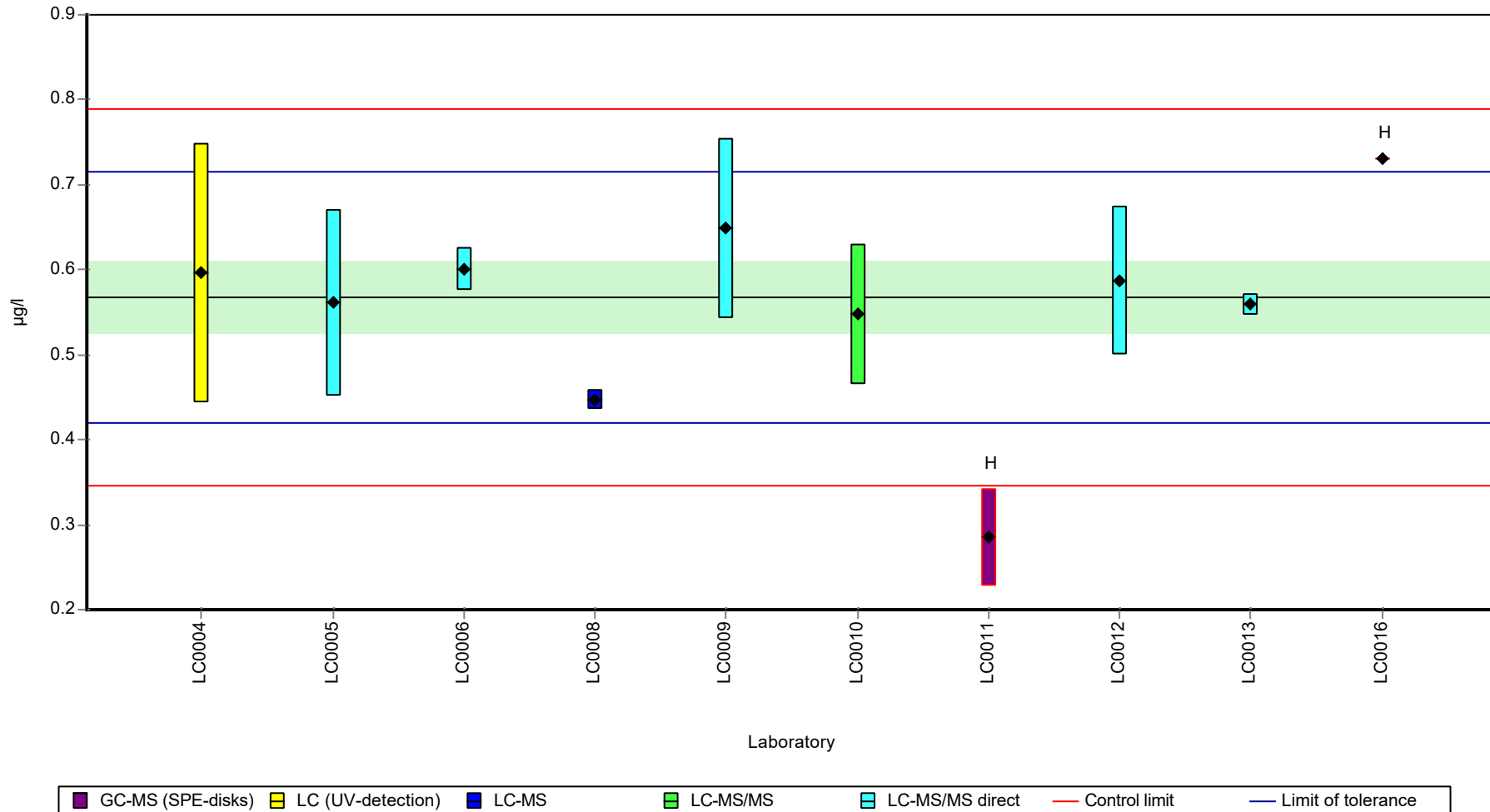
	all results	w ithout outliers	Unit
Mean ± CI (99%)	0.556 ± 0.114	0.568 ± 0.0621	µg/l
Minimum	0.285	0.447	µg/l
Maximum	0.731	0.649	µg/l
Standard deviation	0.12	0.0586	µg/l
rel. standard deviation	21.6	10.3	%
n	10	8	-

Parameter oriented report Pesticides H118

Sample: H118B, Parameter: Propazine

Graphical presentation of results

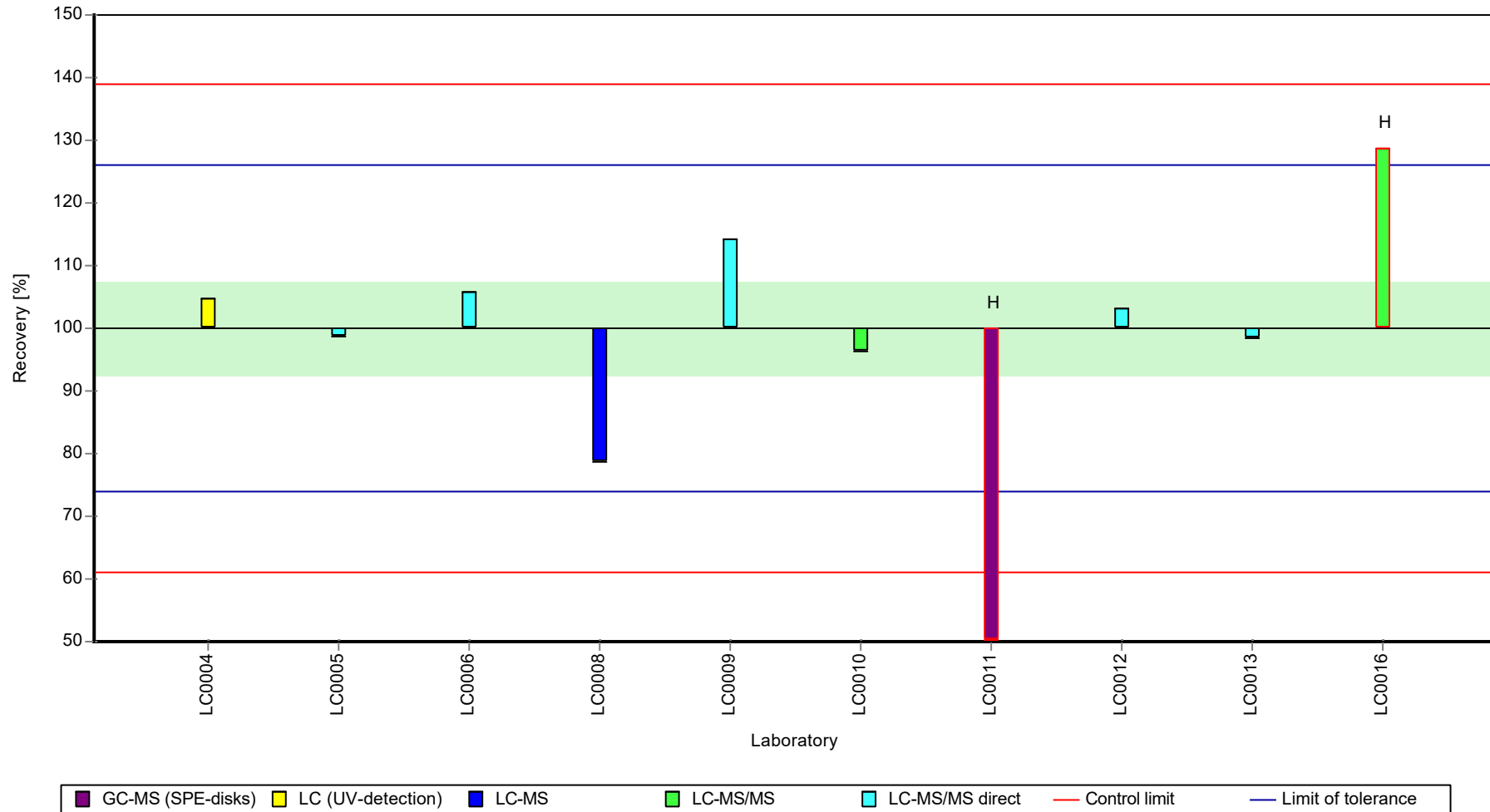
Results



Parameter oriented report Pesticides H118

Sample: H118B, Parameter: Propazine

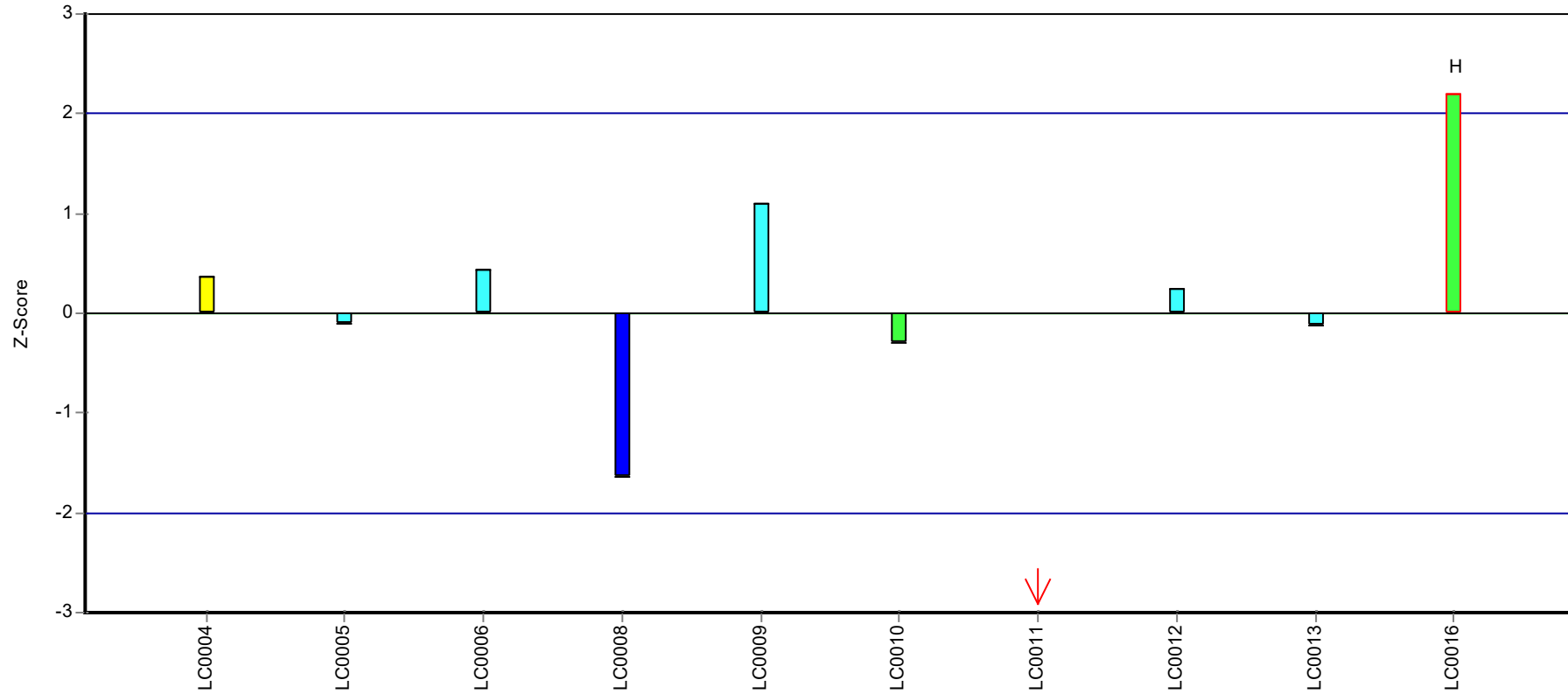
Recovery rate



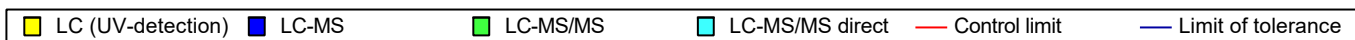
Parameter oriented report Pesticides H118

Sample: H118B, Parameter: Propazine

Z-score



Laboratory



Parameter oriented report Pesticides H118

Sample: H118A, Parameter: Sebuthylazine

## Parameter oriented report

### H118 A

#### Sebuthylazine\*\*

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

**\*\*For the following substance, the value of the control laboratory is listed for information:**

**Sebuthylazine: < 0.025 (LOD) µg/l**

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	< 0.01 (LOQ)	-	-	-	
LC0002	-	-	-	-	
LC0003	-	-	-	-	
LC0004	< 0.05 (LOQ)	-	-	-	
LC0005	< 0.03 (LOQ)	-	-	-	
LC0006	< 0.03 (LOQ)	-	-	-	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	-	-	-	-	
LC0010	-	-	-	-	
LC0011	< 0.05 (LOQ)	-	-	-	
LC0012	< 0.028 (LOQ)	-	-	-	
LC0013	< 0.025 (LOQ)	-	-	-	
LC0014	< 0.025 (LOQ)	-	-	-	
LC0015	-	-	-	-	
LC0016	-	-	-	-	

#### Characteristics of parameter

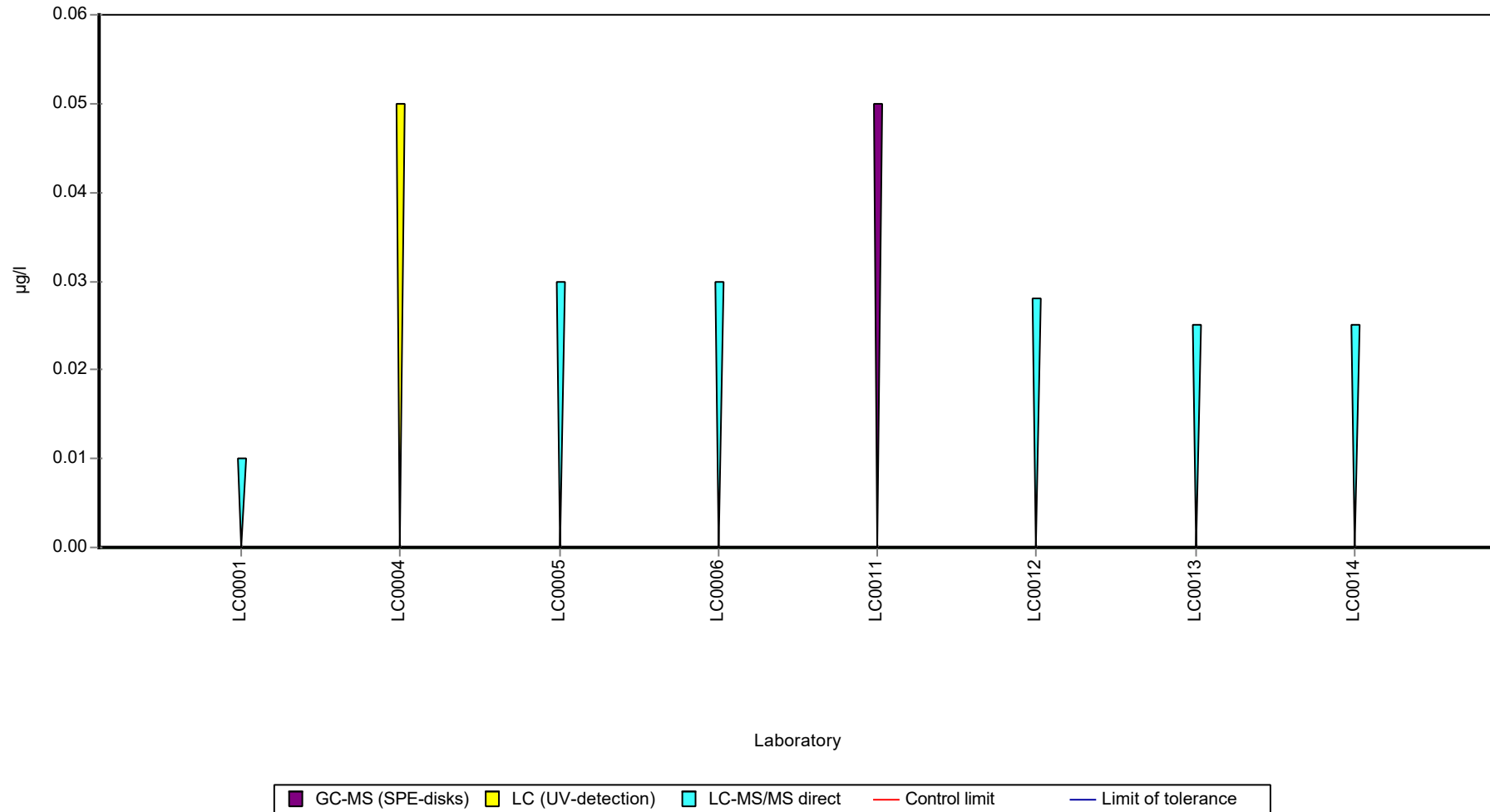
	all results	w ithout outliers	Unit
Mean ± CI (99%)	-	-	µg/l
Minimum	-	-	µg/l
Maximum	-	-	µg/l
Standard deviation	-	-	µg/l
rel. standard deviation	-	-	%
n	0	0	-

Parameter oriented report Pesticides H118

Sample: H118A, Parameter: Sebuthylazine

Graphical presentation of results

Results





Parameter oriented report Pesticides H118

Sample: H118B, Parameter: Sebuthylazine

## Parameter oriented report

### H118 B

#### Sebuthylazine

Unit	µg/l
Assigned value ± U (k=2)	0.709 ± 0.0233
Criterion	0.066 (9.3 %)
Minimum - Maximum	0.657 - 0.762
Control test value ± U (k=2)	0.705 ± 0.141

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.7	0.21	98.7	-0.14	
LC0002	-	-	-	-	
LC0003	-	-	-	-	
LC0004	0.712	0.193	100	0.04	
LC0005	0.708	0.14	99.8	-0.02	
LC0006	0.718	0.024	101	0.13	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	-	-	-	-	
LC0010	-	-	-	-	
LC0011	0.334	0.067	47.1	-5.69	D
LC0012	0.657	0.099	92.6	-0.79	
LC0013	0.709	0.021	99.9	-0.01	
LC0014	0.762	0.094	107	0.8	
LC0015	-	-	-	-	
LC0016	-	-	-	-	

#### Characteristics of parameter

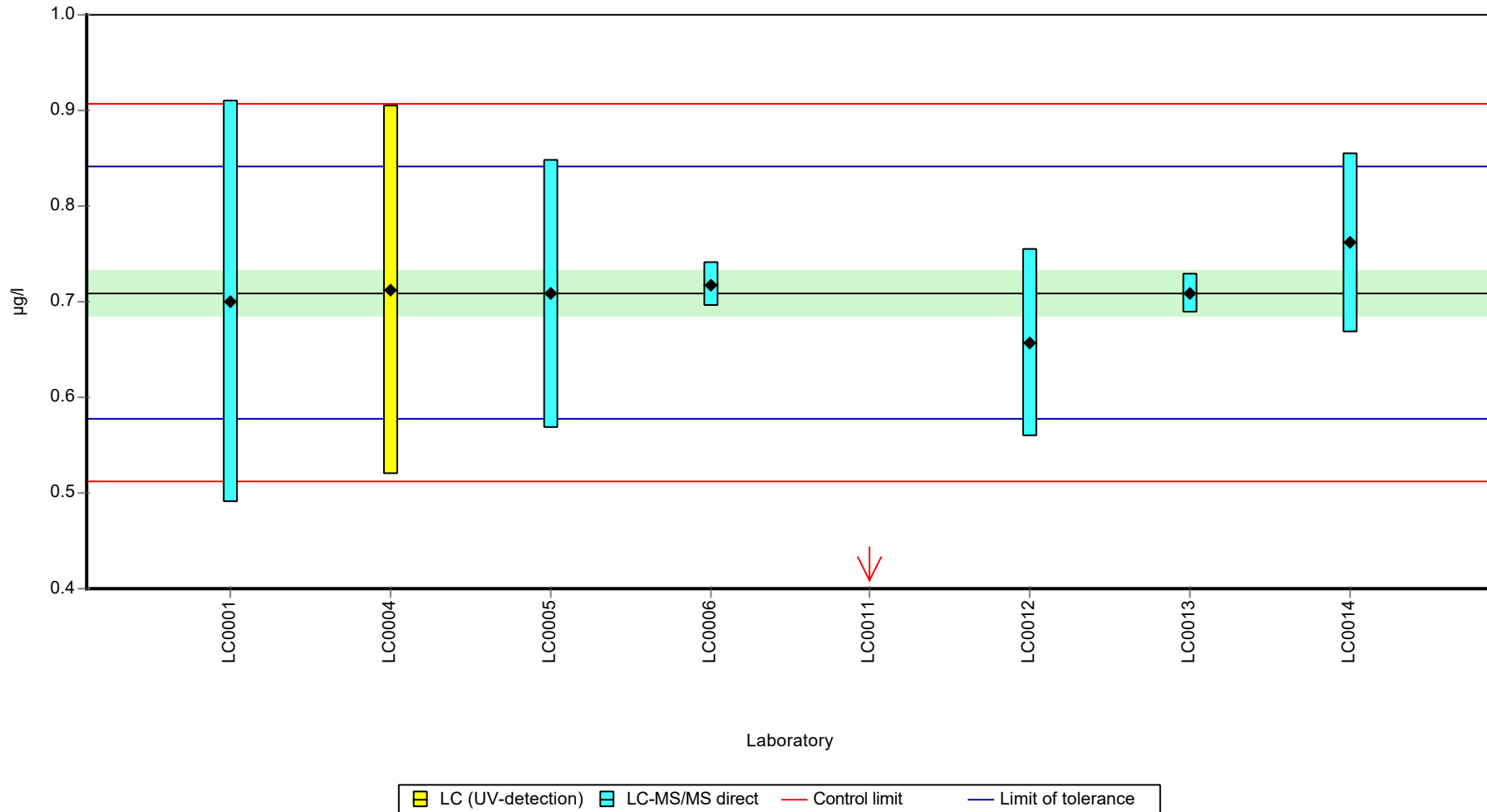
	all results	w ithout outliers	Unit
Mean ± CI (99%)	0.662 ± 0.144	0.709 ± 0.0349	µg/l
Minimum	0.334	0.657	µg/l
Maximum	0.762	0.762	µg/l
Standard deviation	0.136	0.0308	µg/l
rel. standard deviation	20.5	4.34	%
n	8	7	-

Parameter oriented report Pesticides H118

Sample: H118B, Parameter: Sebuthylazine

Graphical presentation of results

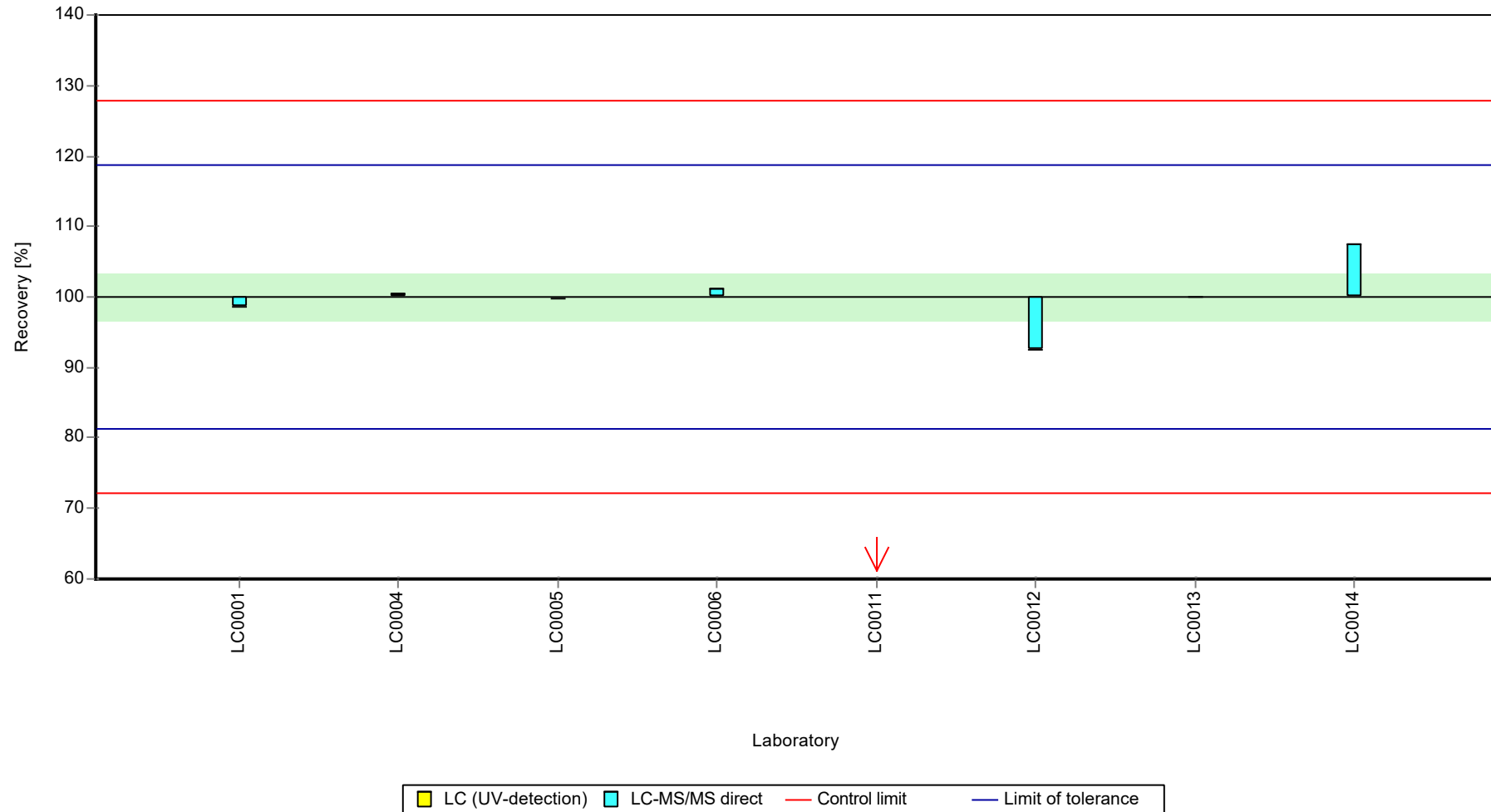
Results



Parameter oriented report Pesticides H118

Sample: H118B, Parameter: Sebuthylazine

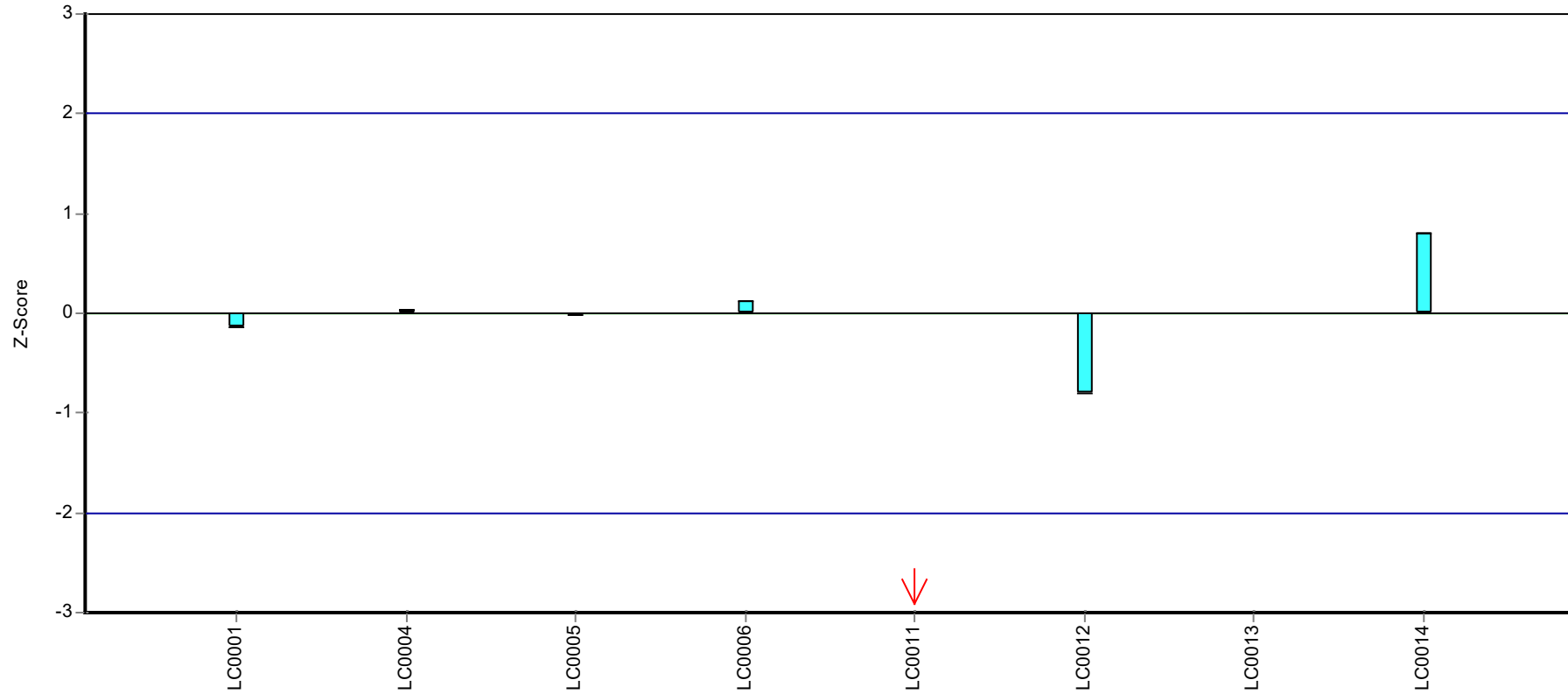
Recovery rate



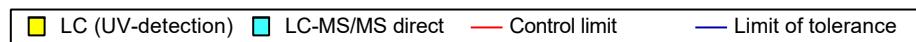
Parameter oriented report Pesticides H118

Sample: H118B, Parameter: Sebuthylazine

Z-score



Laboratory



Parameter oriented report Pesticides H118

Sample: H118A, Parameter: Simazine

## Parameter oriented report

### H118 A

#### Simazine

Unit	µg/l
Assigned value ± U (k=2)	0.462 ± 0.0261
Criterion	0.0509 (11 %)
Minimum - Maximum	0.38 - 0.548
Control test value ± U (k=2)	0.443 ± 0.155

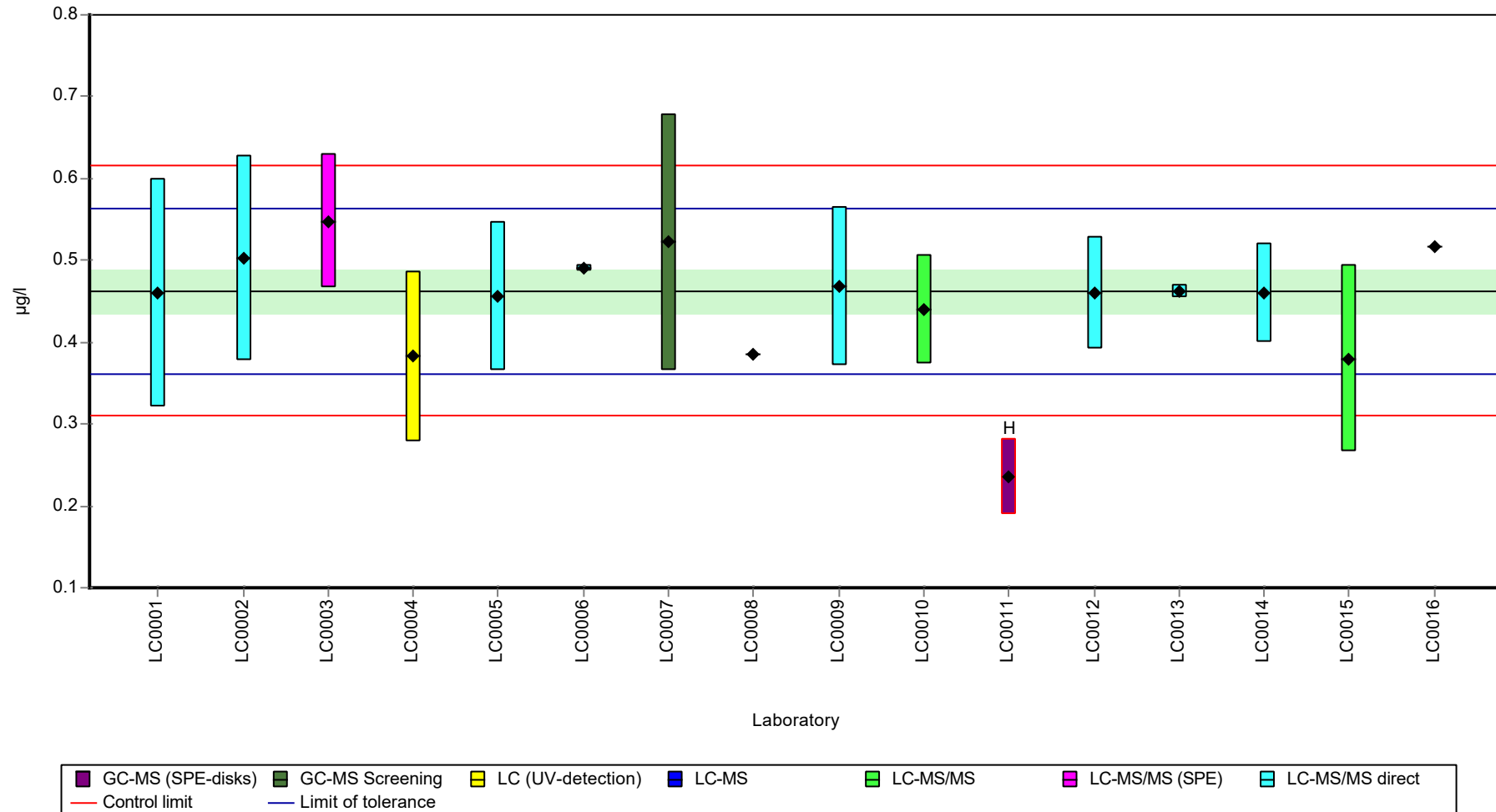
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.46	0.14	99.5	-0.05	
LC0002	0.50255	0.12564	109	0.79	
LC0003	0.548	0.082	119	1.68	
LC0004	0.383	0.104	82.8	-1.56	
LC0005	0.456	0.091	98.6	-0.13	
LC0006	0.49	0.004	106	0.54	
LC0007	0.522	0.157	113	1.17	
LC0008	0.386	0.001	83.5	-1.5	
LC0009	0.468	0.097	101	0.11	
LC0010	0.44	0.066	95.2	-0.44	
LC0011	0.236	0.047	51	-4.45	H
LC0012	0.46	0.069	99.5	-0.05	
LC0013	0.463	0.008	100	0.01	
LC0014	0.46	0.06	99.5	-0.05	
LC0015	0.38	0.114	82.2	-1.62	
LC0016	0.5177	0.00036	112	1.09	

#### Characteristics of parameter

	all results	w ithout outliers	Unit
Mean ± CI (99%)	0.448 ± 0.0561	0.462 ± 0.0392	µg/l
Minimum	0.236	0.38	µg/l
Maximum	0.548	0.548	µg/l
Standard deviation	0.0748	0.0506	µg/l
rel. standard deviation	16.7	10.9	%
n	16	15	-

Graphical presentation of results

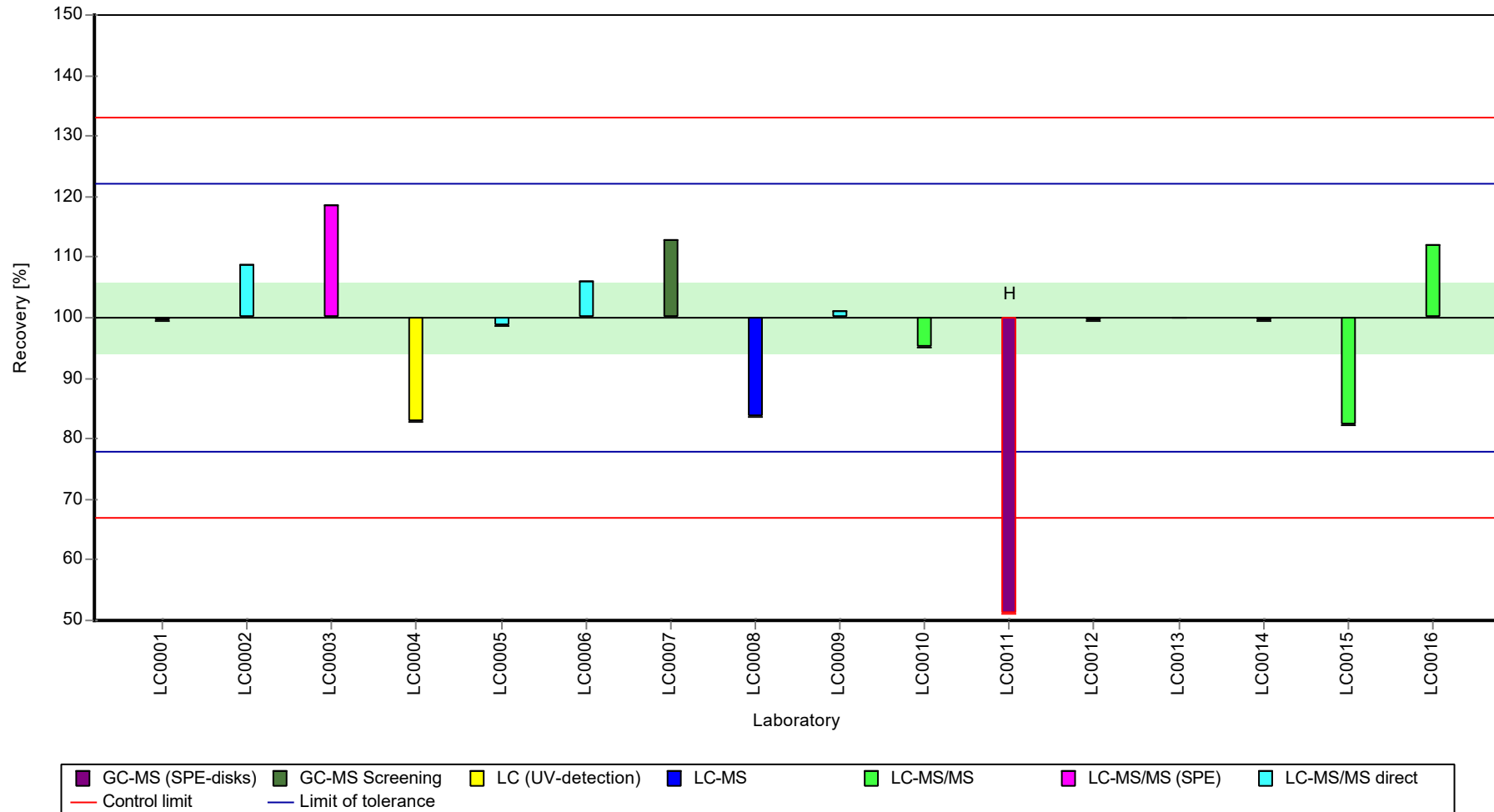
Results



Parameter oriented report Pesticides H118

Sample: H118A, Parameter: Simazine

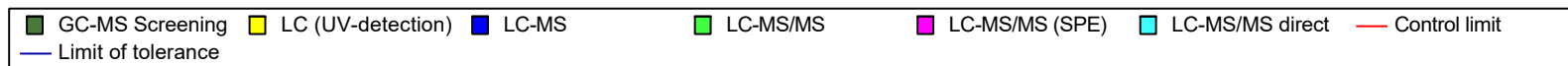
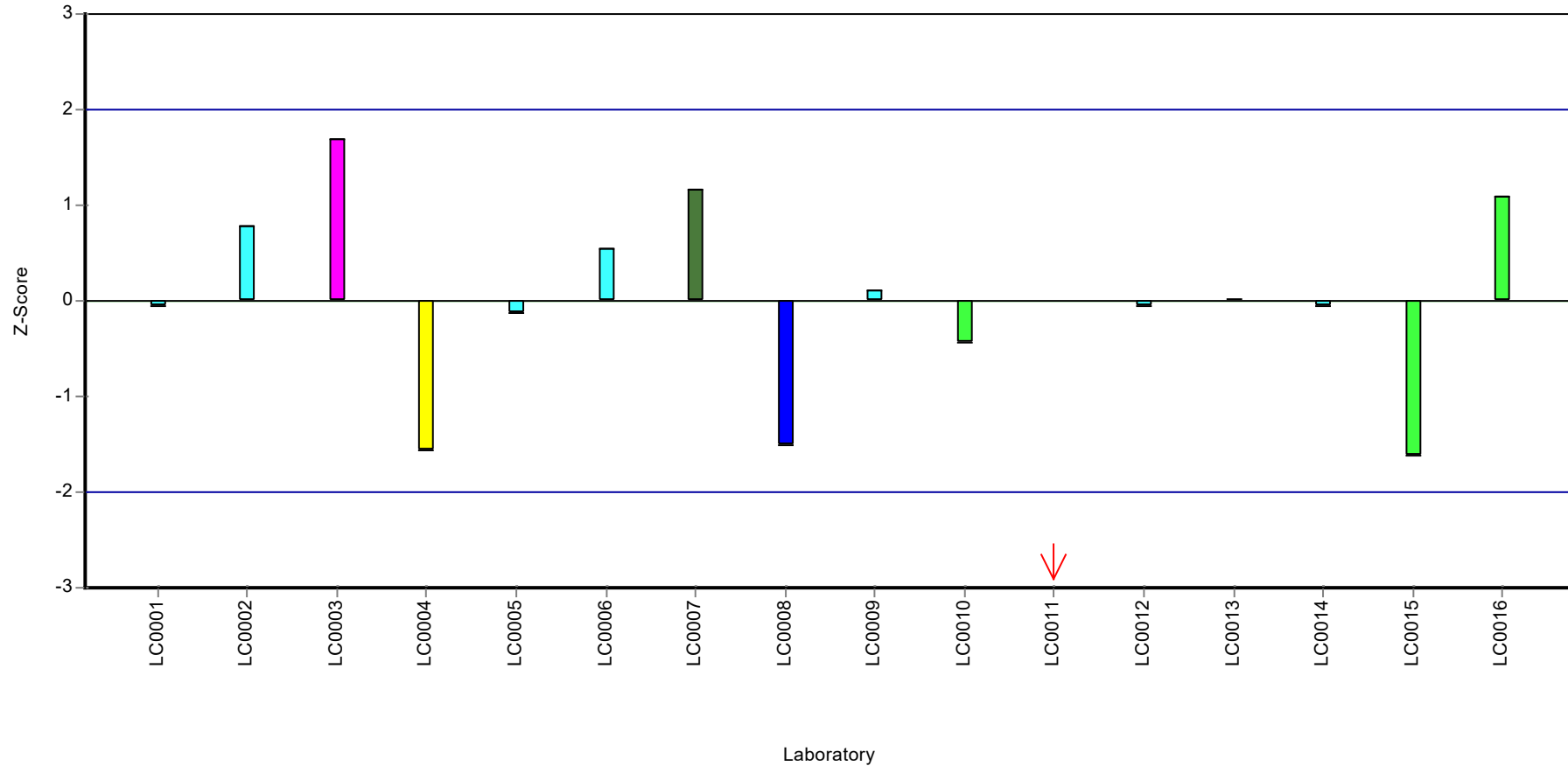
Recovery rate



Parameter oriented report Pesticides H118

Sample: H118A, Parameter: Simazine

Z-score





Parameter oriented report Pesticides H118

Sample: H118B, Parameter: Simazine

## Parameter oriented report

### H118 B

#### Simazine

Unit	µg/l
Assigned value ± U (k=2)	0.557 ± 0.0263
Criterion	0.0613 (11 %)
Minimum - Maximum	0.448 - 0.648
Control test value ± U (k=2)	0.564 ± 0.197

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.55	0.17	98.7	-0.12	
LC0002	0.5766	0.14415	103	0.32	
LC0003	0.648	0.097	116	1.48	
LC0004	0.481	0.131	86.3	-1.24	
LC0005	0.538	0.11	96.6	-0.31	
LC0006	0.574	0.013	103	0.27	
LC0007	0.603	0.181	108	0.75	
LC0008	0.448	0.014	80.4	-1.78	
LC0009	0.539	0.111	96.7	-0.3	
LC0010	0.5771	0.0866	104	0.32	
LC0011	0.282	0.056	50.6	-4.49	H
LC0012	0.575	0.086	103	0.29	
LC0013	0.567	0.012	102	0.16	
LC0014	0.563	0.073	101	0.09	
LC0015	0.504	0.151	90.5	-0.87	
LC0016	0.6142	0.00043	110	0.93	

#### Characteristics of parameter

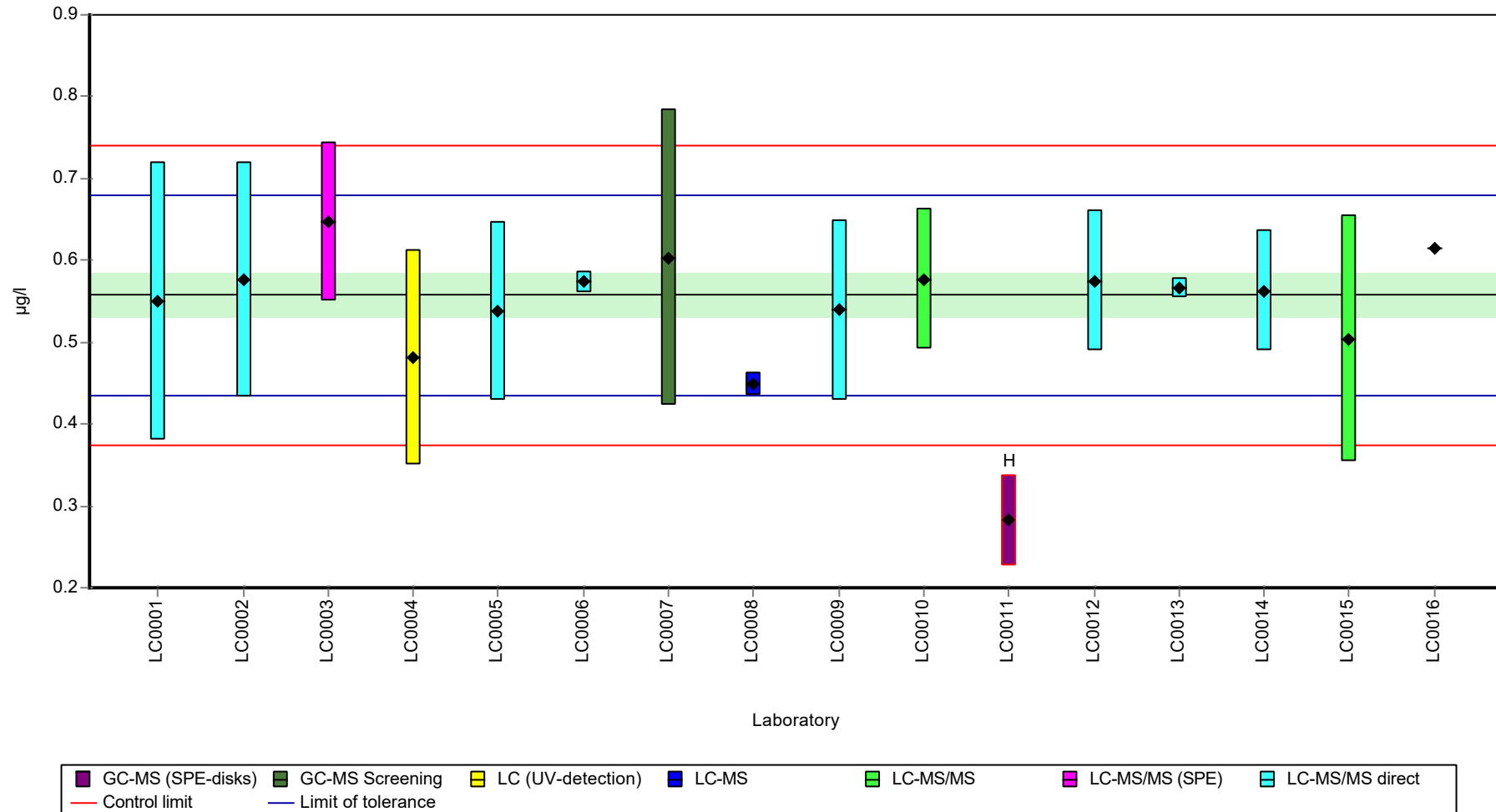
	all results	w ithout outliers	Unit
Mean ± CI (99%)	0.54 ± 0.0635	0.557 ± 0.0395	µg/l
Minimum	0.282	0.448	µg/l
Maximum	0.648	0.648	µg/l
Standard deviation	0.0846	0.051	µg/l
rel. standard deviation	15.7	9.15	%
n	16	15	-

Parameter oriented report Pesticides H118

Sample: H118B, Parameter: Simazine

Graphical presentation of results

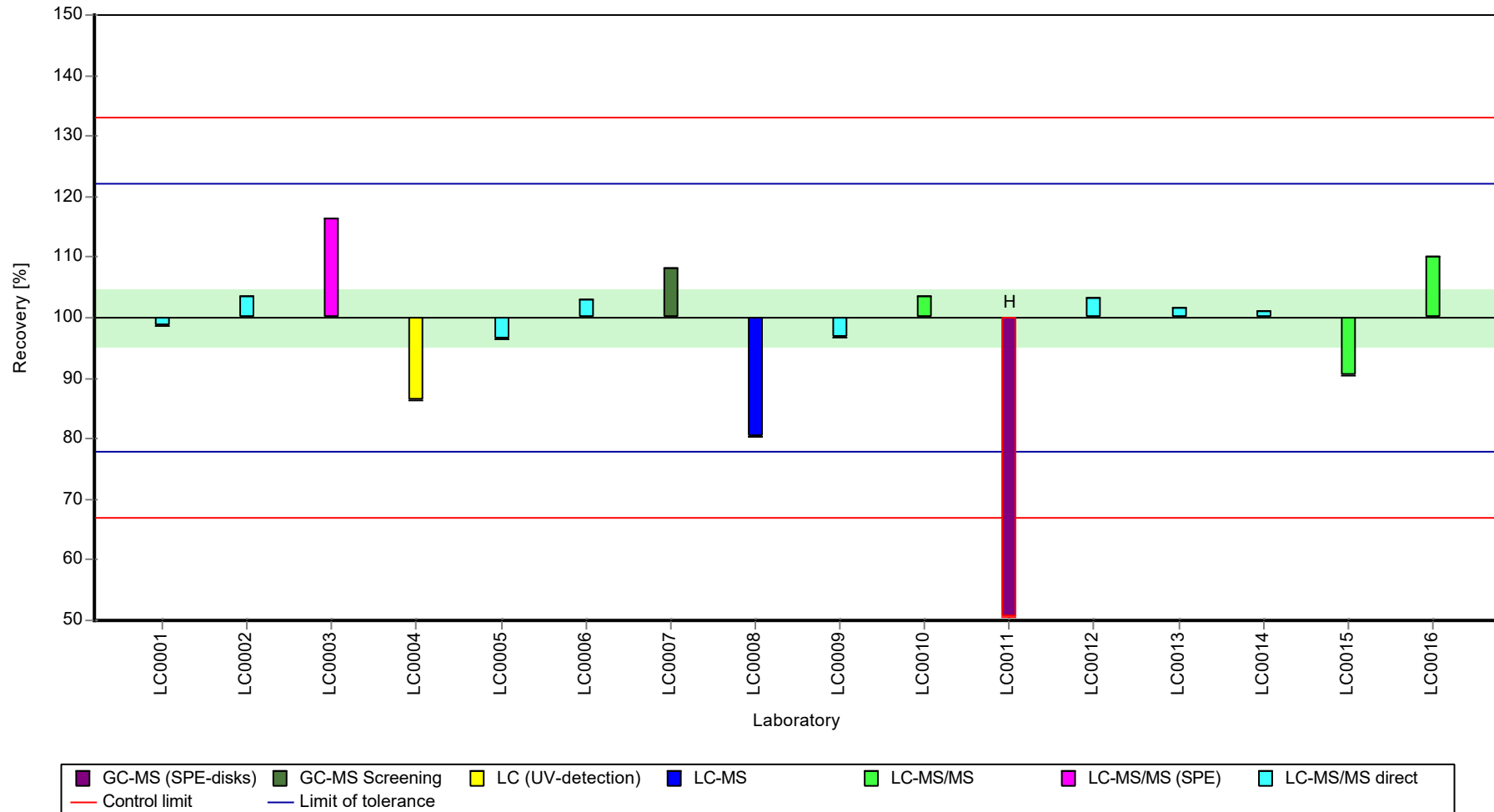
Results



Parameter oriented report Pesticides H118

Sample: H118B, Parameter: Simazine

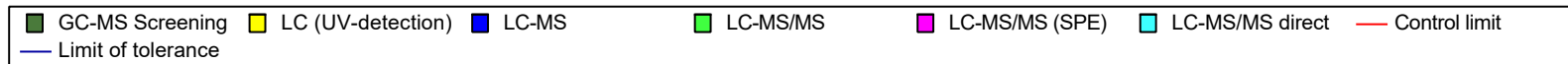
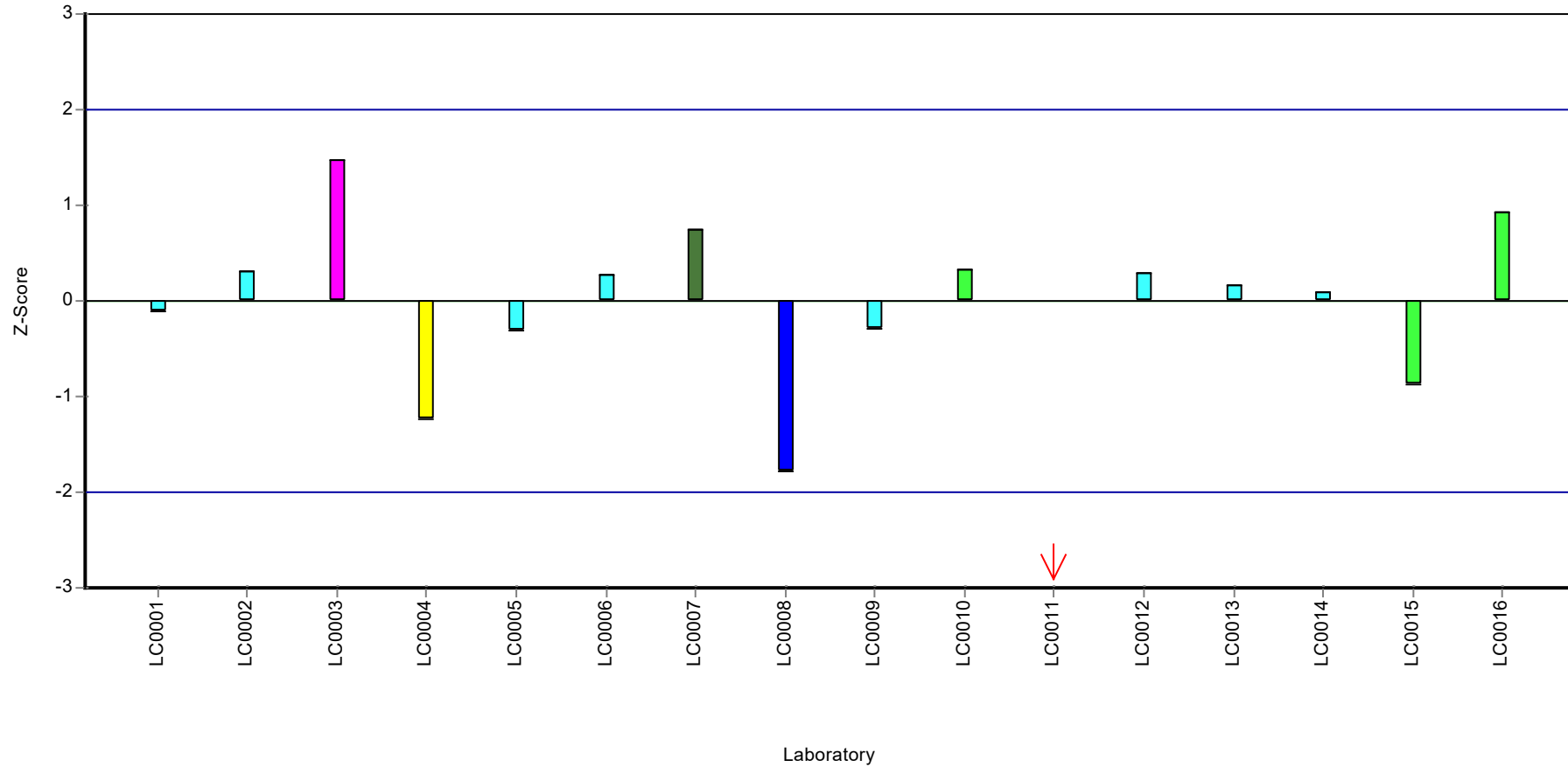
Recovery rate



Parameter oriented report Pesticides H118

Sample: H118B, Parameter: Simazine

Z-score



Parameter oriented report Pesticides H118

Sample: H118A, Parameter: Terbutylazine

## Parameter oriented report

### H118 A

#### Terbutylazine

Unit	µg/l
Assigned value ± U (k=2)	0.262 ± 0.0111
Criterion	0.0288 (11 %)
Minimum - Maximum	0.219 - 0.296
Control test value ± U (k=2)	0.253 ± 0.076

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.29	0.09	111	0.97	
LC0002	0.2656	0.0664	101	0.12	
LC0003	0.28	0.035	107	0.62	
LC0004	0.269	0.078	103	0.24	
LC0005	0.242	0.048	92.3	-0.7	
LC0006	0.267	0.005	102	0.17	
LC0007	0.243	0.112	92.7	-0.66	
LC0008	0.219	0.002	83.6	-1.49	
LC0009	0.273	0.04	104	0.38	
LC0010	0.2629	0.0394	100	0.03	
LC0011	0.129	0.026	49.2	-4.62	H
LC0012	0.253	0.038	96.5	-0.31	
LC0013	0.275	0.005	105	0.45	
LC0014	0.268	0.035	102	0.21	
LC0015	0.228	0.068	87	-1.18	
LC0016	0.2957	0.00016	113	1.17	

#### Characteristics of parameter

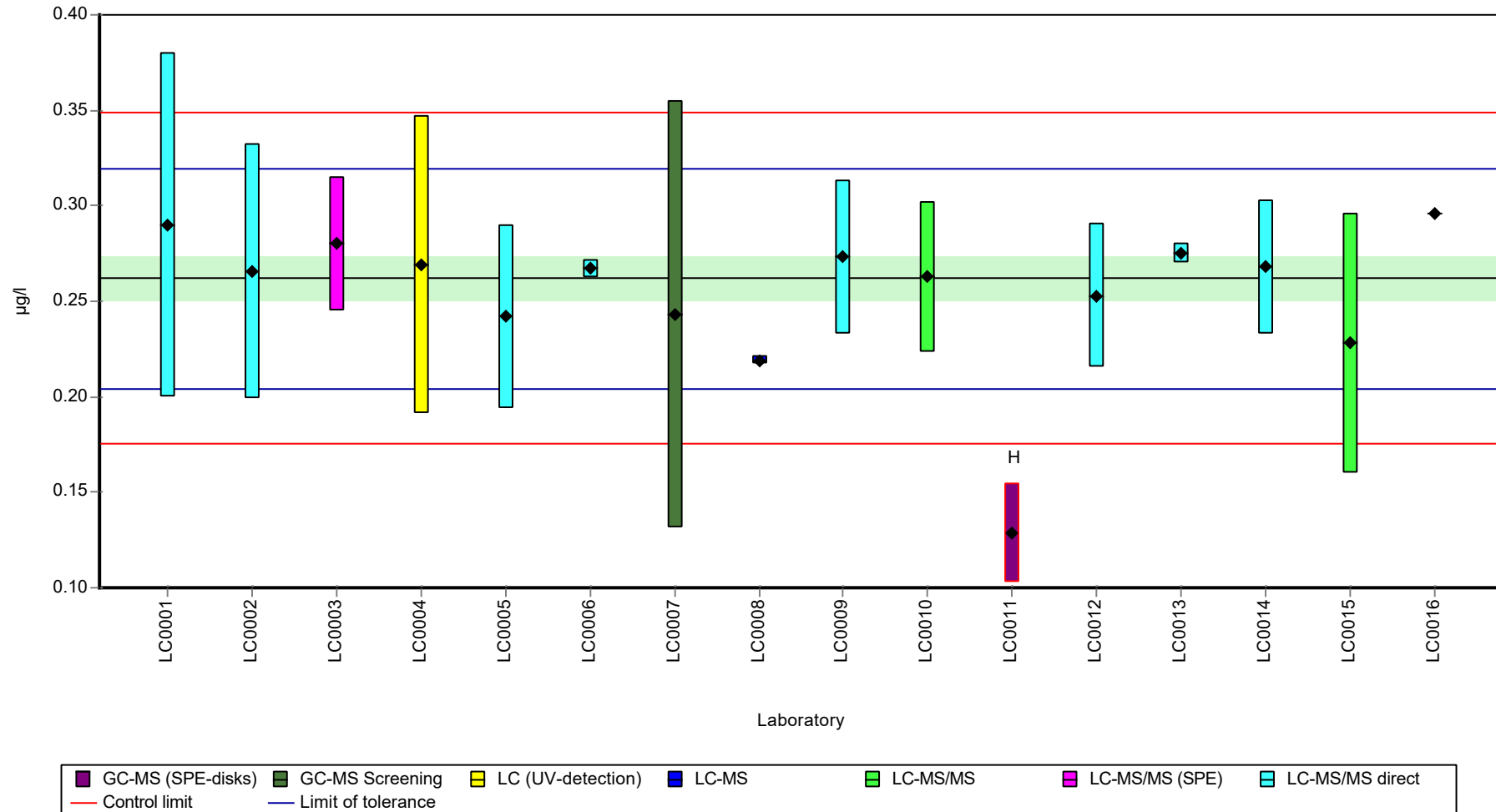
	all results	w ithout outliers	Unit
Mean ± CI (99%)	0.254 ± 0.0294	0.262 ± 0.0167	µg/l
Minimum	0.129	0.219	µg/l
Maximum	0.296	0.296	µg/l
Standard deviation	0.0392	0.0216	µg/l
rel. standard deviation	15.5	8.22	%
n	16	15	-

Parameter oriented report Pesticides H118

Sample: H118A, Parameter: Terbutylazine

Graphical presentation of results

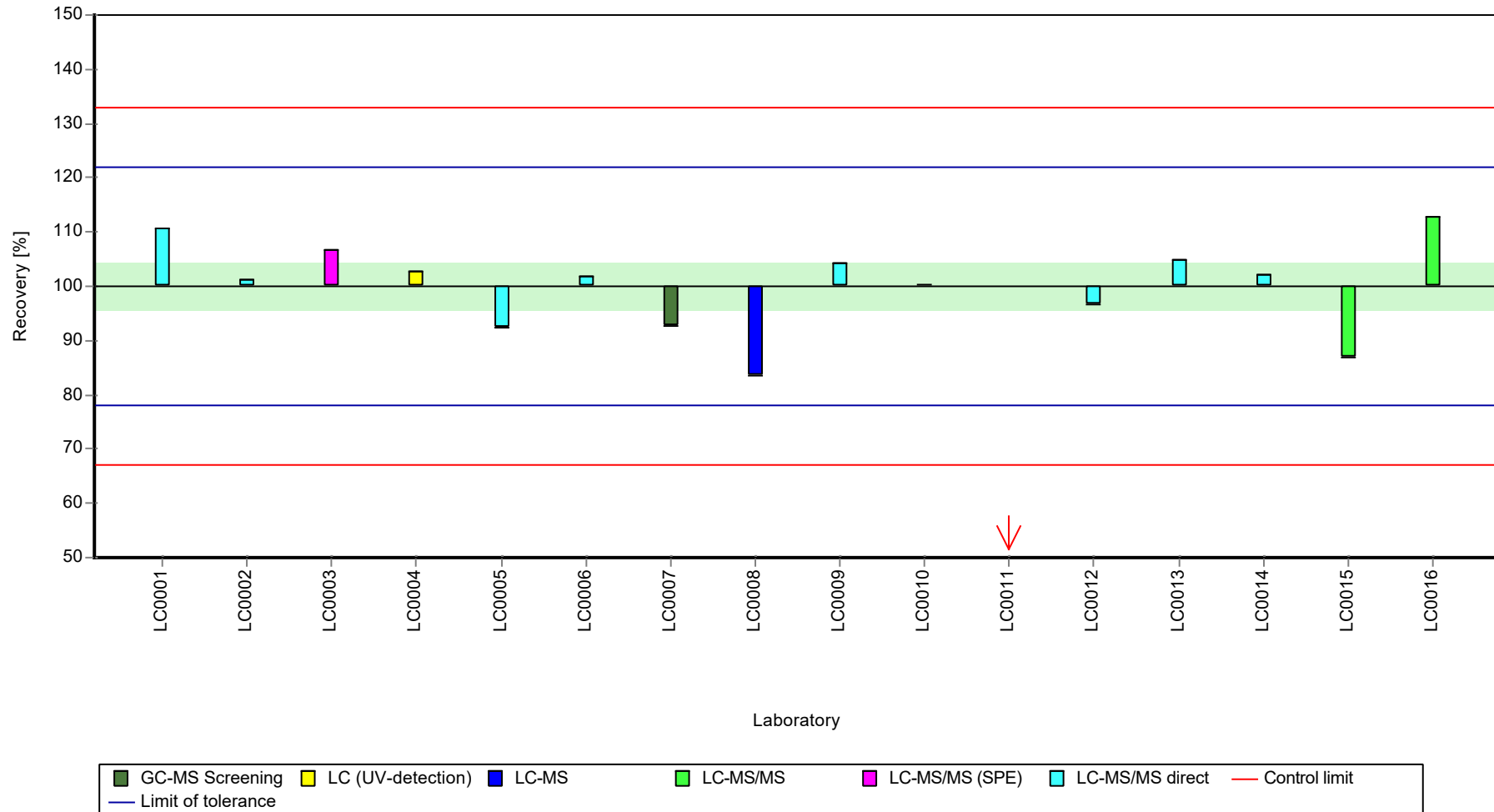
Results



Parameter oriented report Pesticides H118

Sample: H118A, Parameter: Terbutylazine

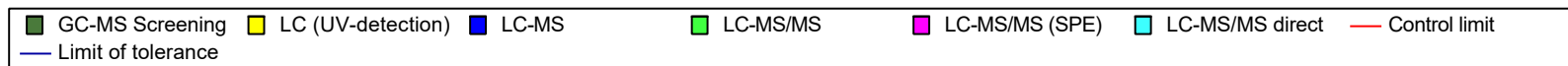
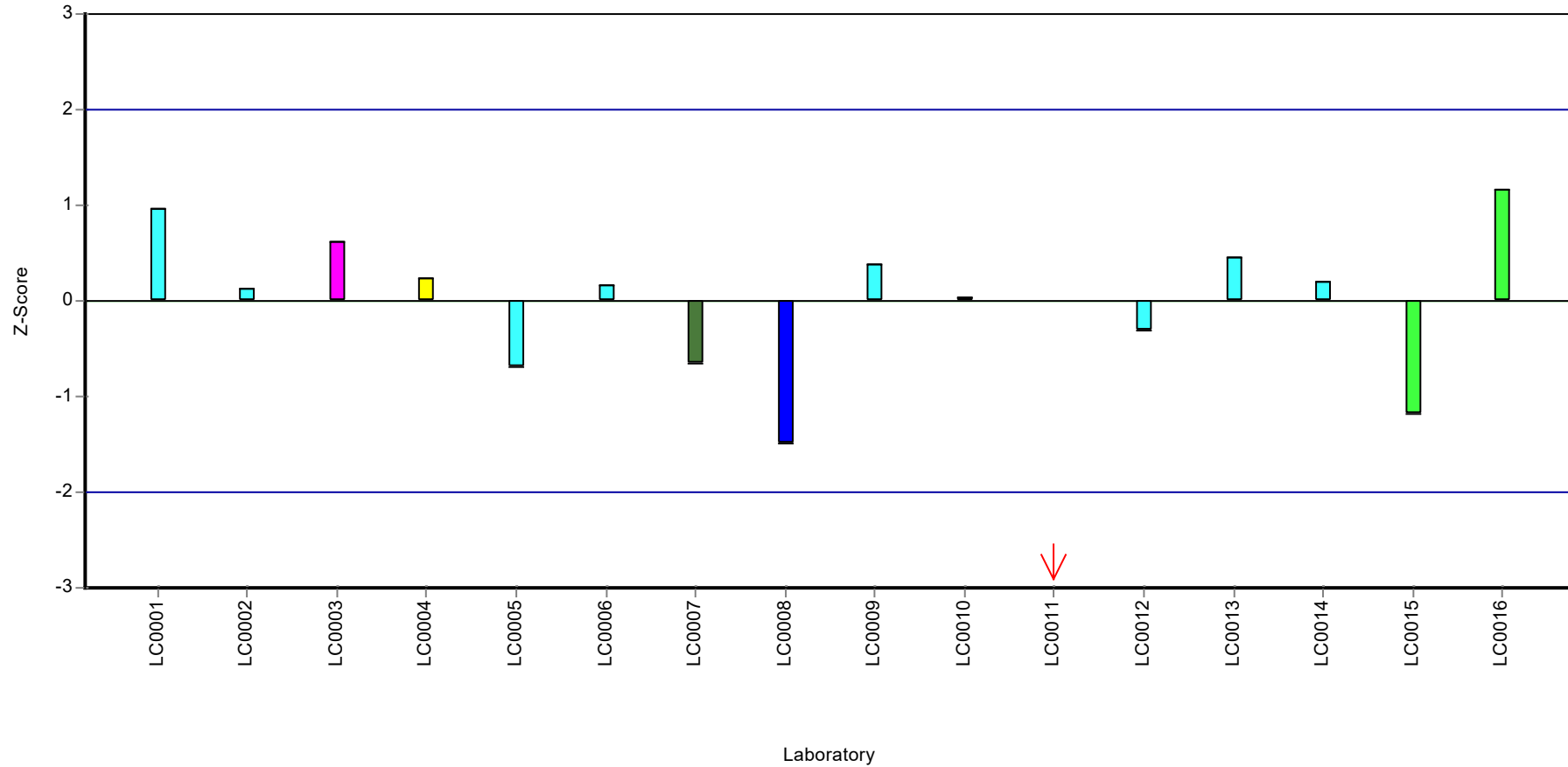
Recovery rate



Parameter oriented report Pesticides H118

Sample: H118A, Parameter: Terbutylazine

Z-score





Parameter oriented report Pesticides H118

Sample: H118B, Parameter: Terbutylazine

## Parameter oriented report

### H118 B

#### Terbutylazine

Unit	µg/l
Assigned value ± U (k=2)	0.515 ± 0.0163
Criterion	0.0567 (11 %)
Minimum - Maximum	0.438 - 0.551
Control test value ± U (k=2)	0.517 ± 0.155

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.54	0.16	105	0.43	
LC0002	0.518	0.1295	101	0.05	
LC0003	0.52	0.065	101	0.08	
LC0004	0.536	0.157	104	0.36	
LC0005	0.497	0.099	96.4	-0.32	
LC0006	0.546	0.021	106	0.54	
LC0007	0.534	0.245	104	0.33	
LC0008	0.438	0.001	85	-1.36	
LC0009	0.536	0.078	104	0.36	
LC0010	0.5009	0.0751	97.2	-0.25	
LC0011	0.258	0.052	50.1	-4.54	H
LC0012	0.508	0.076	98.6	-0.13	
LC0013	0.551	0.008	107	0.63	
LC0014	0.513	0.059	99.5	-0.04	
LC0015	0.477	0.143	92.6	-0.68	
LC0016	0.6981	0.00038	135	3.22	H

#### Characteristics of parameter

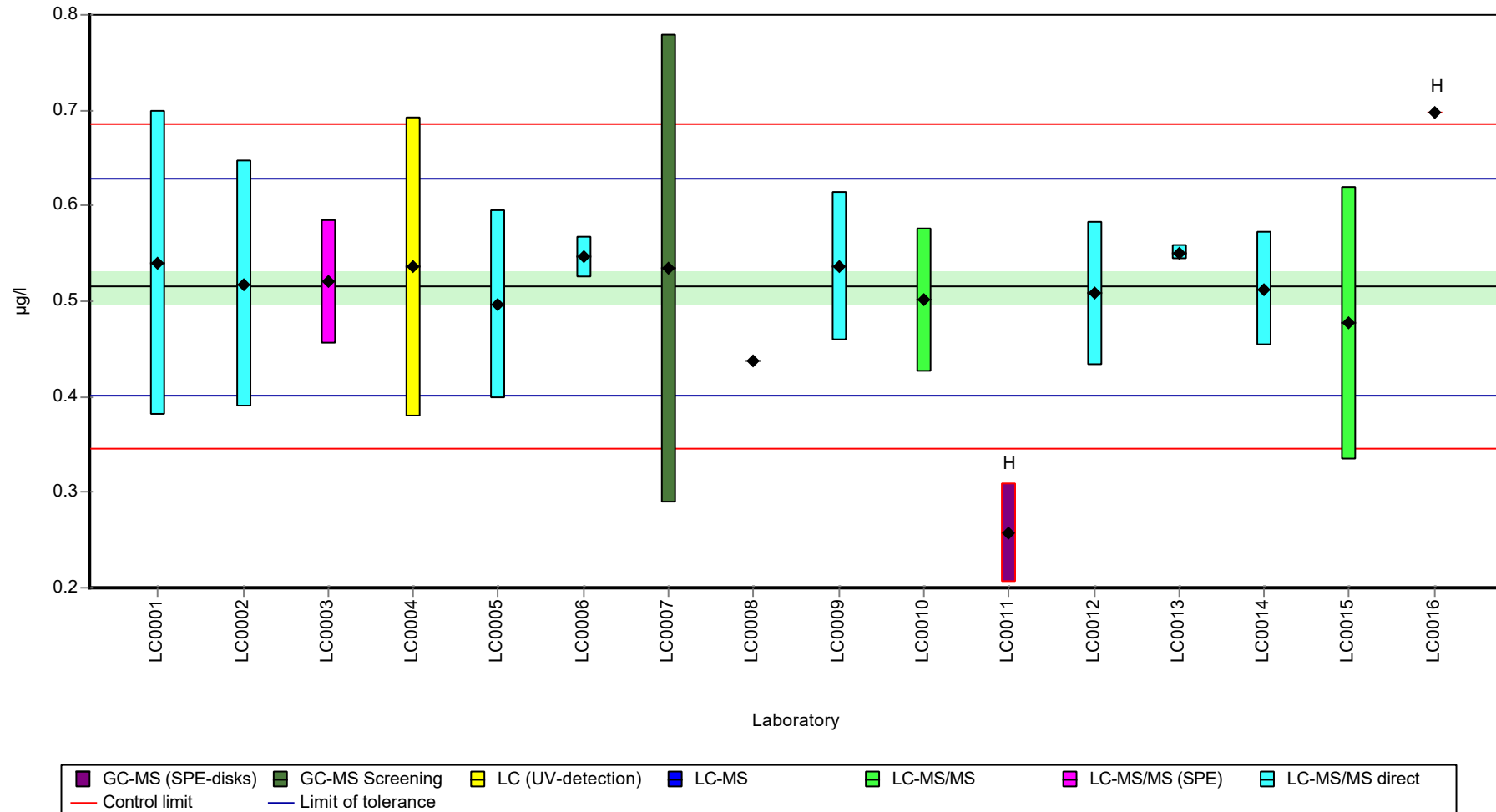
	all results	w ithout outliers	Unit
Mean ± CI (99%)	0.511 ± 0.0646	0.515 ± 0.0245	µg/l
Minimum	0.258	0.438	µg/l
Maximum	0.698	0.551	µg/l
Standard deviation	0.0862	0.0305	µg/l
rel. standard deviation	16.9	5.92	%
n	16	14	-

Parameter oriented report Pesticides H118

Sample: H118B, Parameter: Terbutylazine

Graphical presentation of results

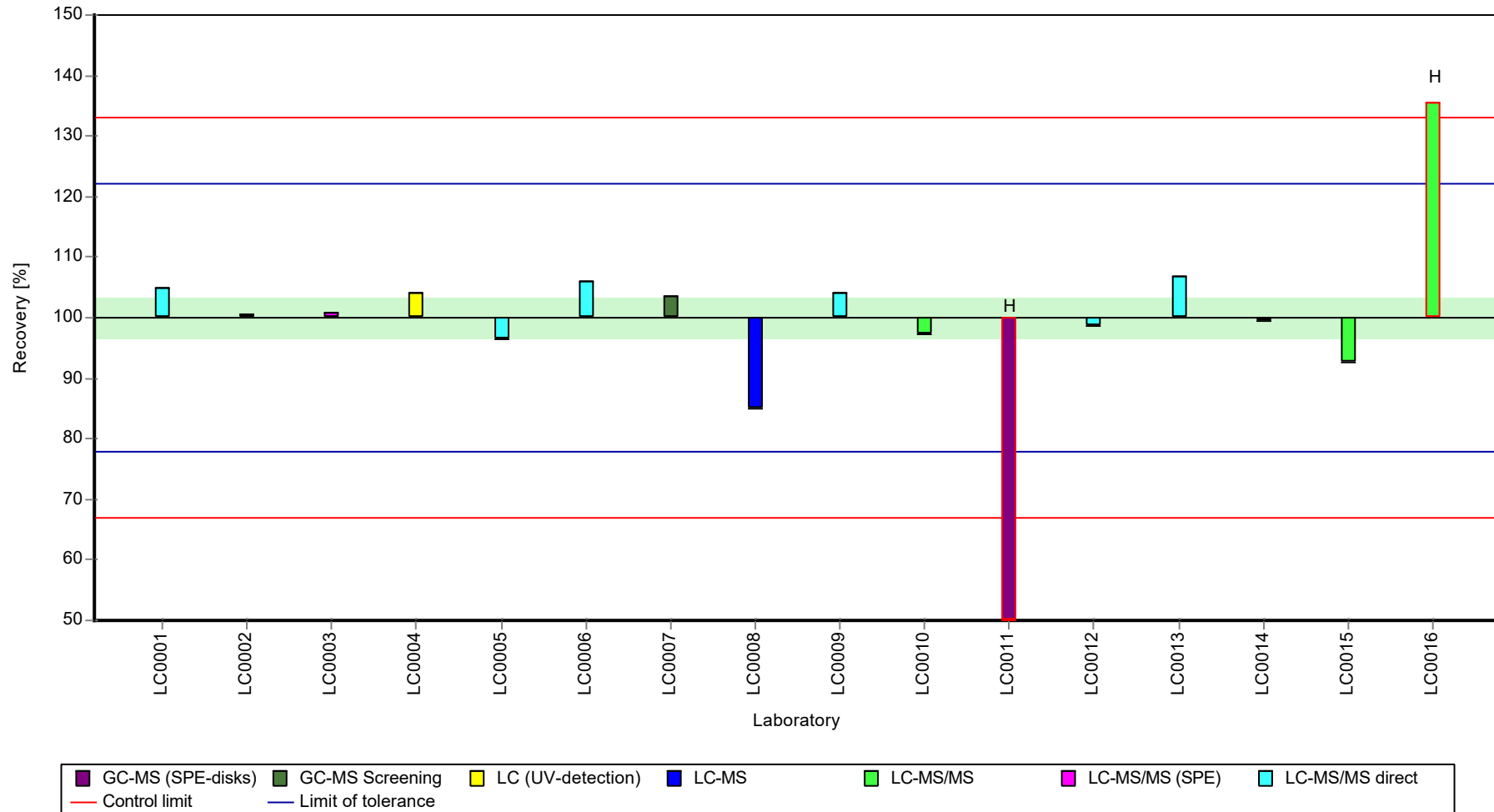
Results



Parameter oriented report Pesticides H118

Sample: H118B, Parameter: Terbutylazine

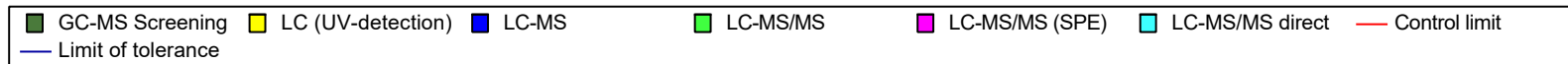
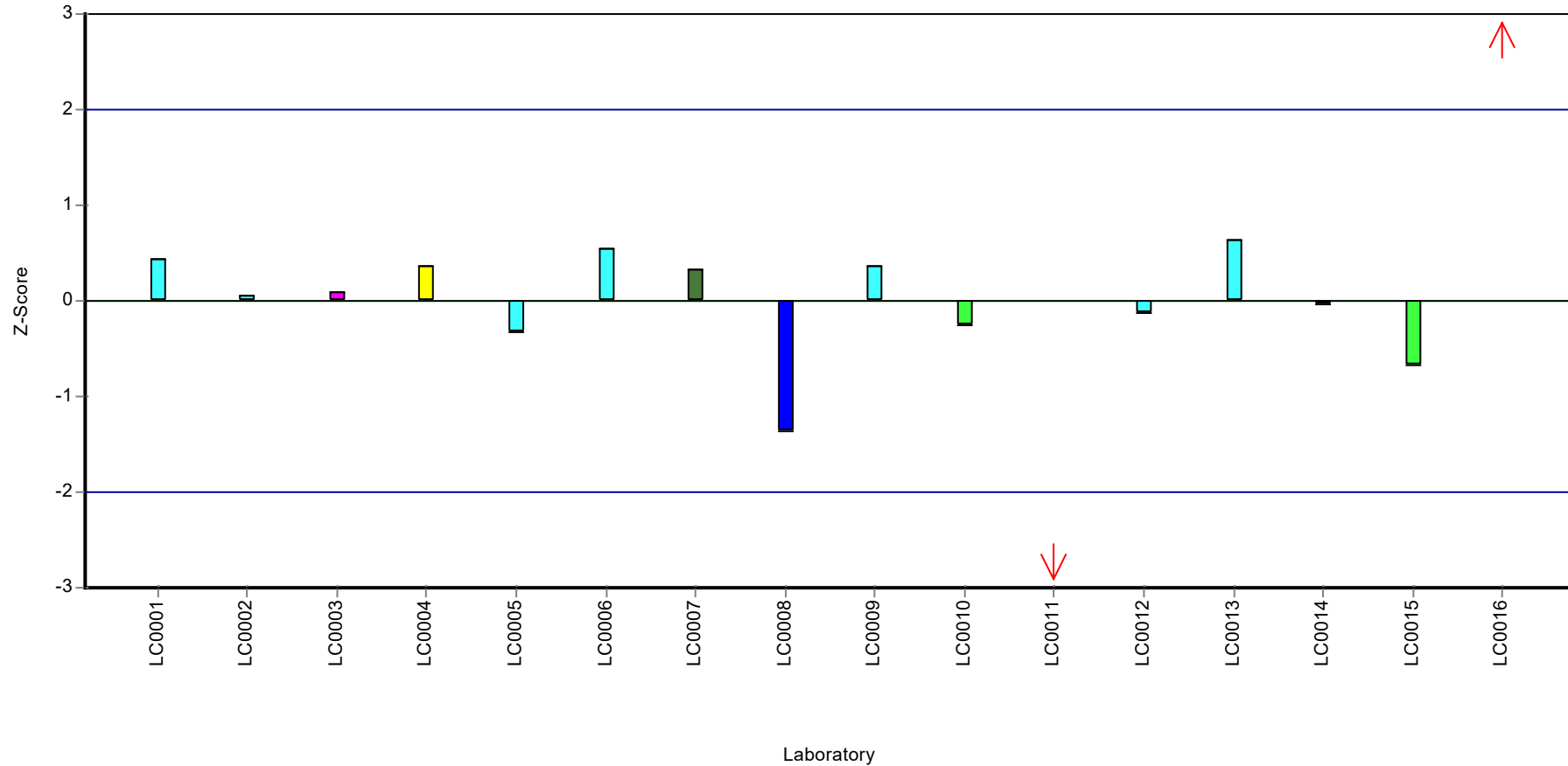
Recovery rate



Parameter oriented report Pesticides H118

Sample: H118B, Parameter: Terbutylazine

Z-score



Parameter oriented report Pesticides H118

Sample: H118A, Parameter: Terbutylazine-desethyl

## Parameter oriented report

### H118 A

#### Terbutylazine-desethyl

Unit	µg/l
Assigned value ± U (k=2)	0.296 ± 0.0149
Criterion	0.0325 (11 %)
Minimum - Maximum	0.251 - 0.353
Control test value ± U (k=2)	0.316 ± 0.126

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.3	0.09	101	0.13	
LC0002	0.2913	0.07283	98.5	-0.14	
LC0003	0.353	0.053	119	1.76	
LC0004	0.294	0.073	99.4	-0.06	
LC0005	0.281	0.056	95	-0.46	
LC0006	0.284	0.005	96	-0.36	
LC0007	-	-	-	-	
LC0008	0.251	0.002	84.8	-1.38	
LC0009	0.316	0.037	107	0.62	
LC0010	0.3069	0.046	104	0.34	
LC0011	0.181	0.036	61.2	-3.53	H
LC0012	0.294	0.044	99.4	-0.06	
LC0013	0.253	0.018	85.5	-1.32	
LC0014	0.321	0.021	108	0.77	
LC0015	-	-	-	-	
LC0016	0.301	0.00023	102	0.16	

#### Characteristics of parameter

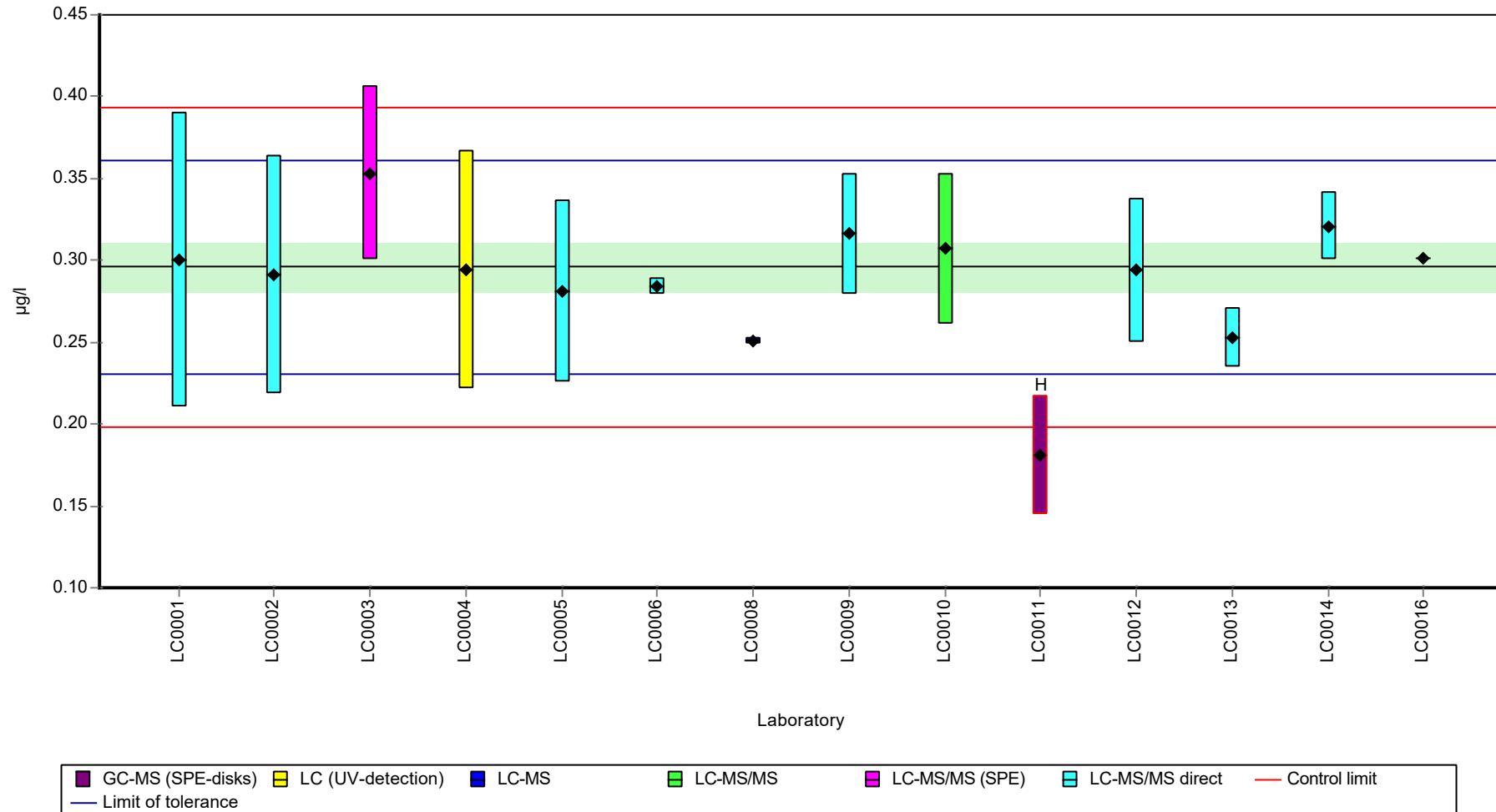
	all results	w ithout outliers	Unit
Mean ± CI (99%)	0.288 ± 0.0322	0.296 ± 0.0224	µg/l
Minimum	0.181	0.251	µg/l
Maximum	0.353	0.353	µg/l
Standard deviation	0.0402	0.0269	µg/l
rel. standard deviation	14	9.1	%
n	14	13	-

Parameter oriented report Pesticides H118

Sample: H118A, Parameter: Terbutylazine-desethyl

Graphical presentation of results

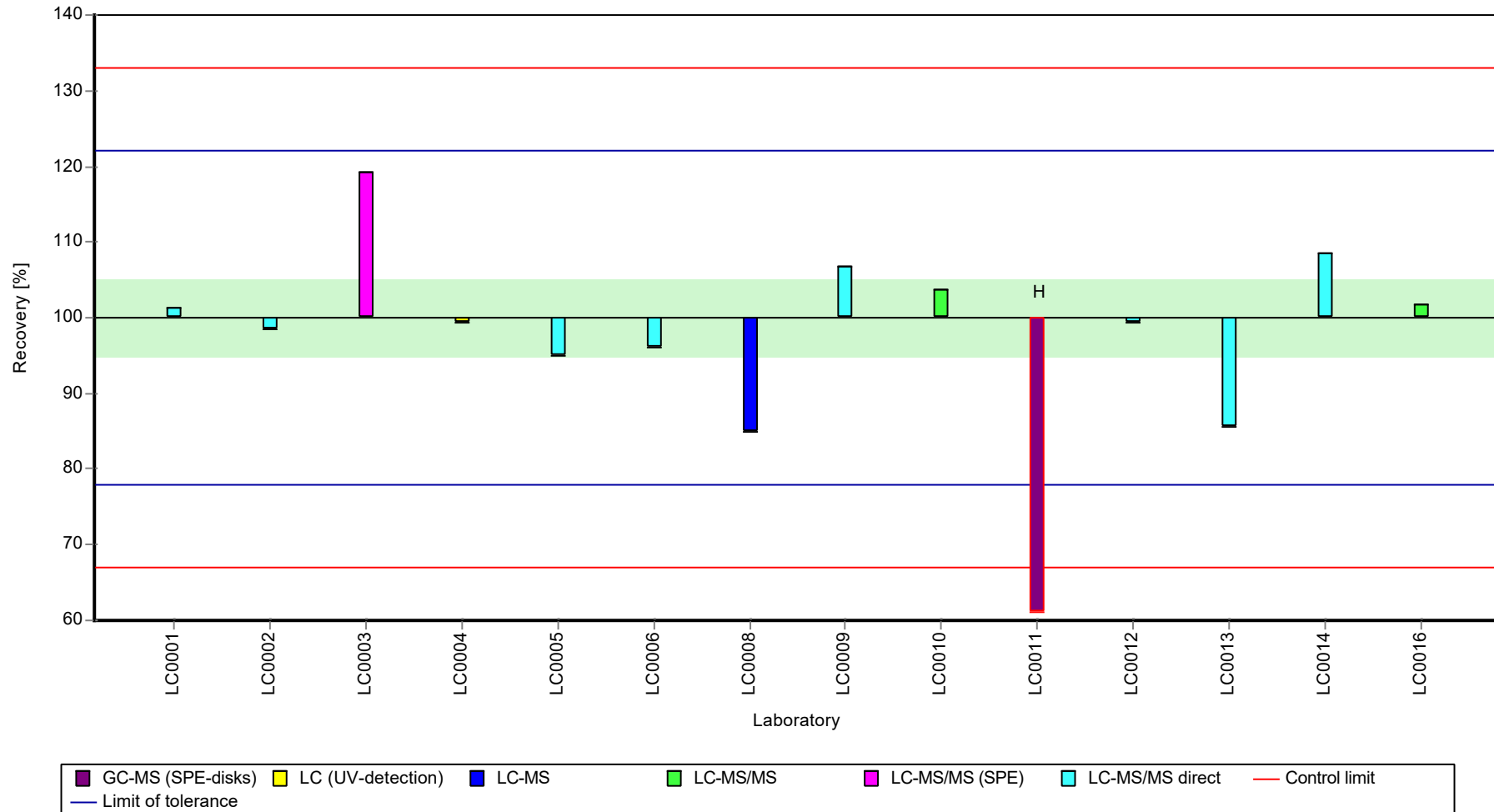
Results



Parameter oriented report Pesticides H118

Sample: H118A, Parameter: Terbutylazine-desethyl

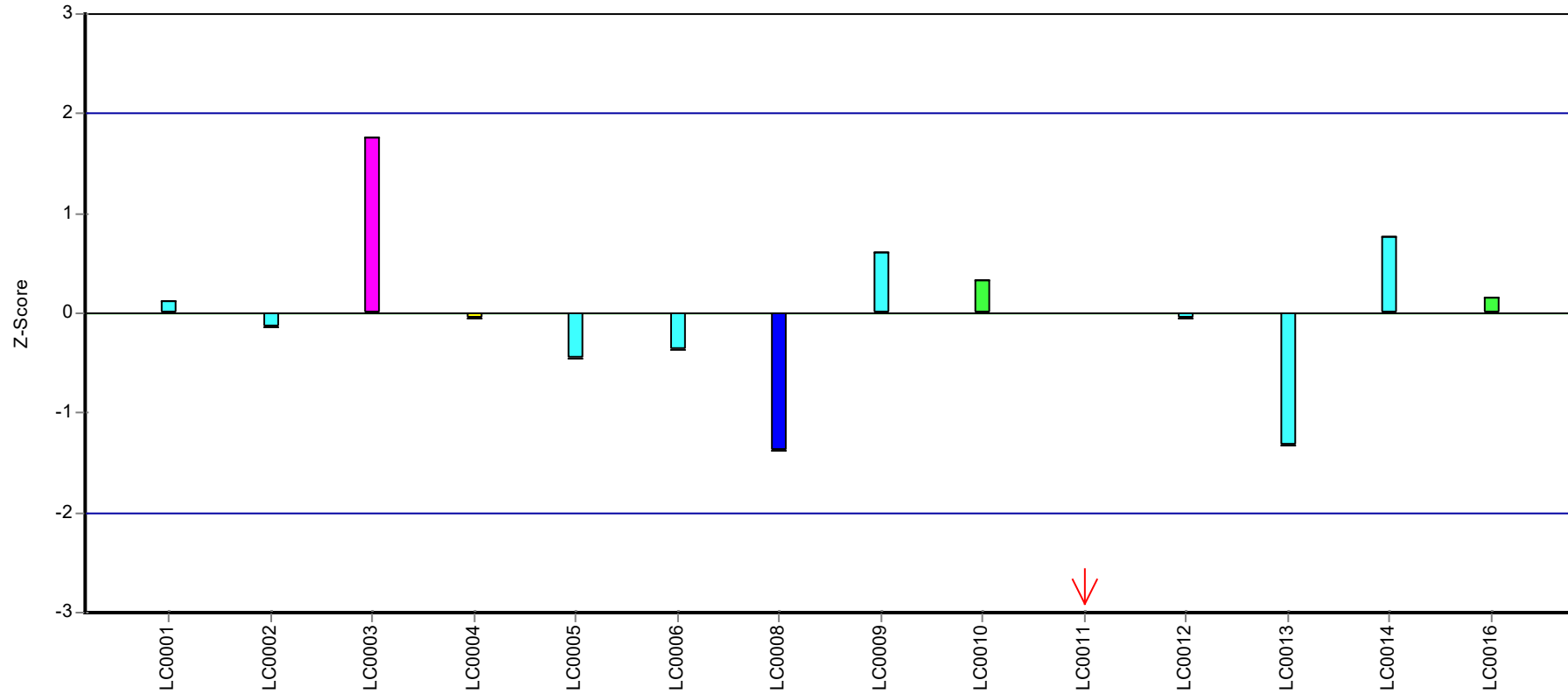
Recovery rate



Parameter oriented report Pesticides H118

Sample: H118A, Parameter: Terbutylazine-desethyl

Z-score



Laboratory





Parameter oriented report Pesticides H118

Sample: H118B, Parameter: Terbutylazine-desethyl

## Parameter oriented report

### H118 B

#### Terbutylazine-desethyl

Unit	µg/l
Assigned value ± U (k=2)	0.597 ± 0.0361
Criterion	0.0656 (11 %)
Minimum - Maximum	0.435 - 0.708
Control test value ± U (k=2)	0.651 ± 0.26

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.63	0.19	106	0.51	
LC0002	0.5814	0.14535	97.5	-0.23	
LC0003	0.708	0.106	119	1.7	
LC0004	0.598	0.149	100	0.02	
LC0005	0.588	0.12	98.6	-0.13	
LC0006	0.581	0.021	97.4	-0.24	
LC0007	-	-	-	-	
LC0008	0.435	0.017	72.9	-2.46	
LC0009	0.574	0.067	96.2	-0.34	
LC0010	0.6514	0.0977	109	0.84	
LC0011	0.329	0.066	55.1	-4.08	H
LC0012	0.574	0.086	96.2	-0.34	
LC0013	0.549	0.023	92	-0.72	
LC0014	0.651	0.043	109	0.83	
LC0015	-	-	-	-	
LC0016	0.6346	0.00048	106	0.58	

#### Characteristics of parameter

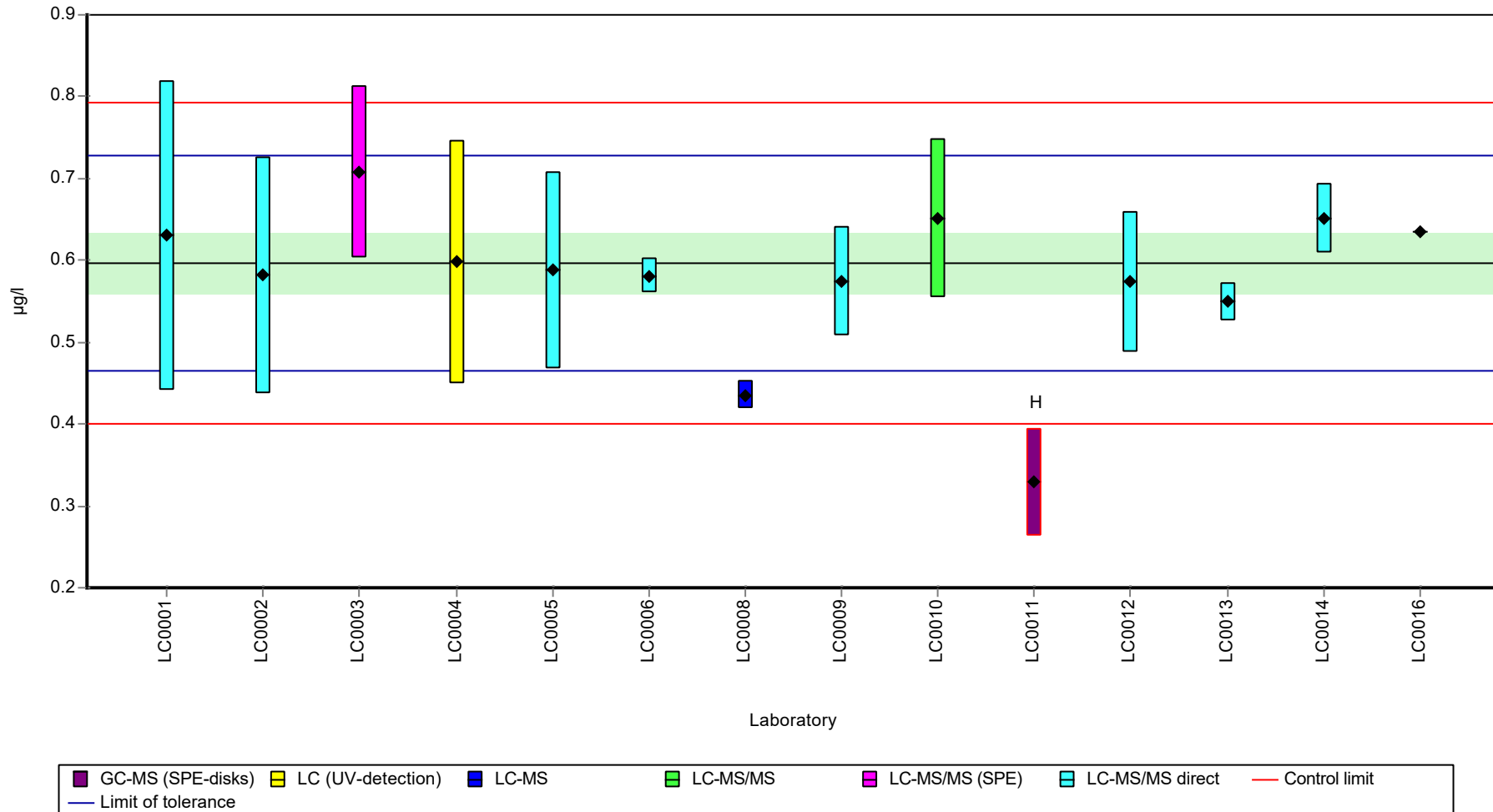
	all results	w ithout outliers	Unit
Mean ± CI (99%)	0.577 ± 0.0762	0.597 ± 0.0542	µg/l
Minimum	0.329	0.435	µg/l
Maximum	0.708	0.708	µg/l
Standard deviation	0.095	0.0651	µg/l
rel. standard deviation	16.5	10.9	%
n	14	13	-

Parameter oriented report Pesticides H118

Sample: H118B, Parameter: Terbutylazine-desethyl

Graphical presentation of results

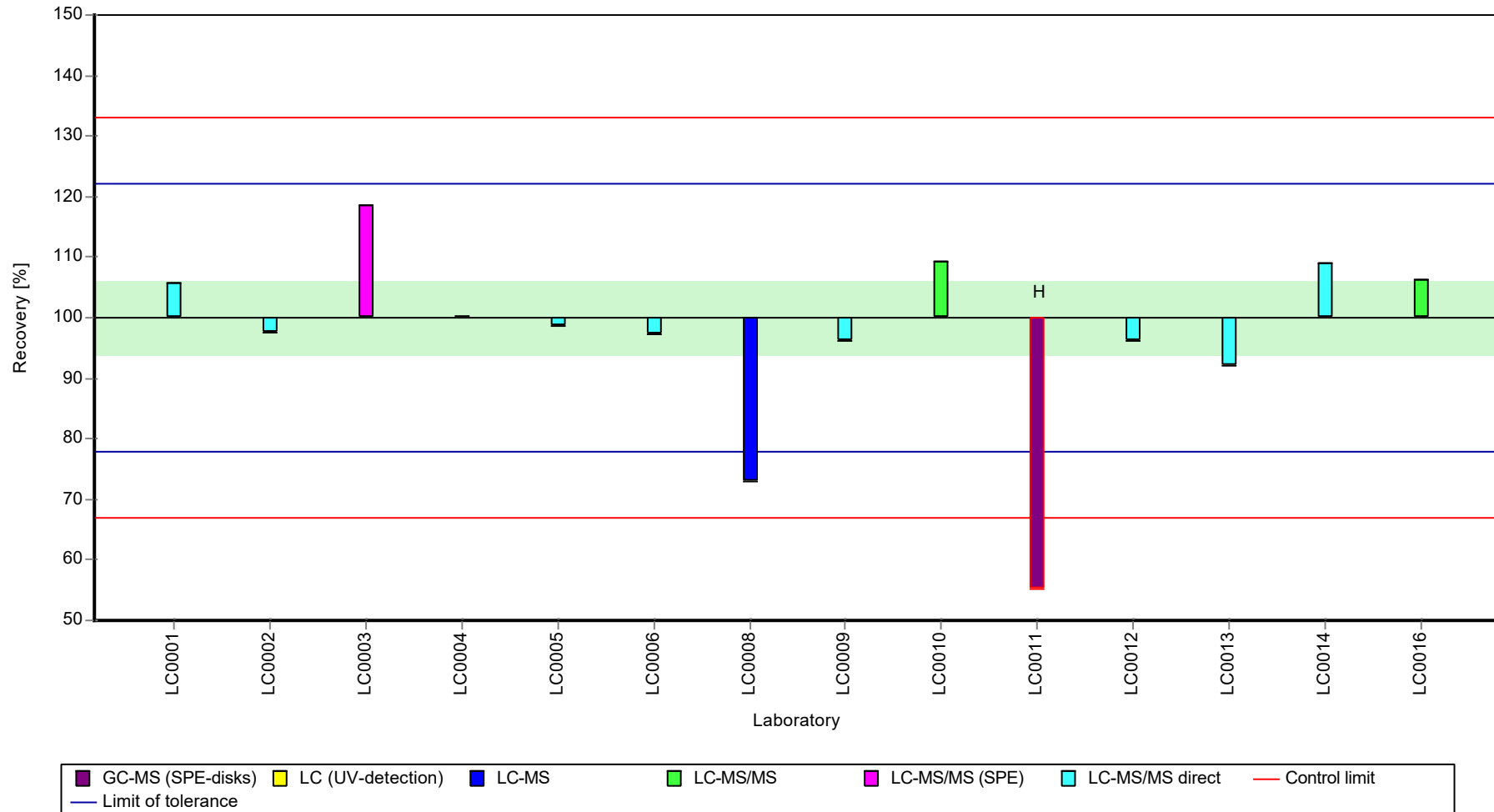
Results



Parameter oriented report Pesticides H118

Sample: H118B, Parameter: Terbutylazine-desethyl

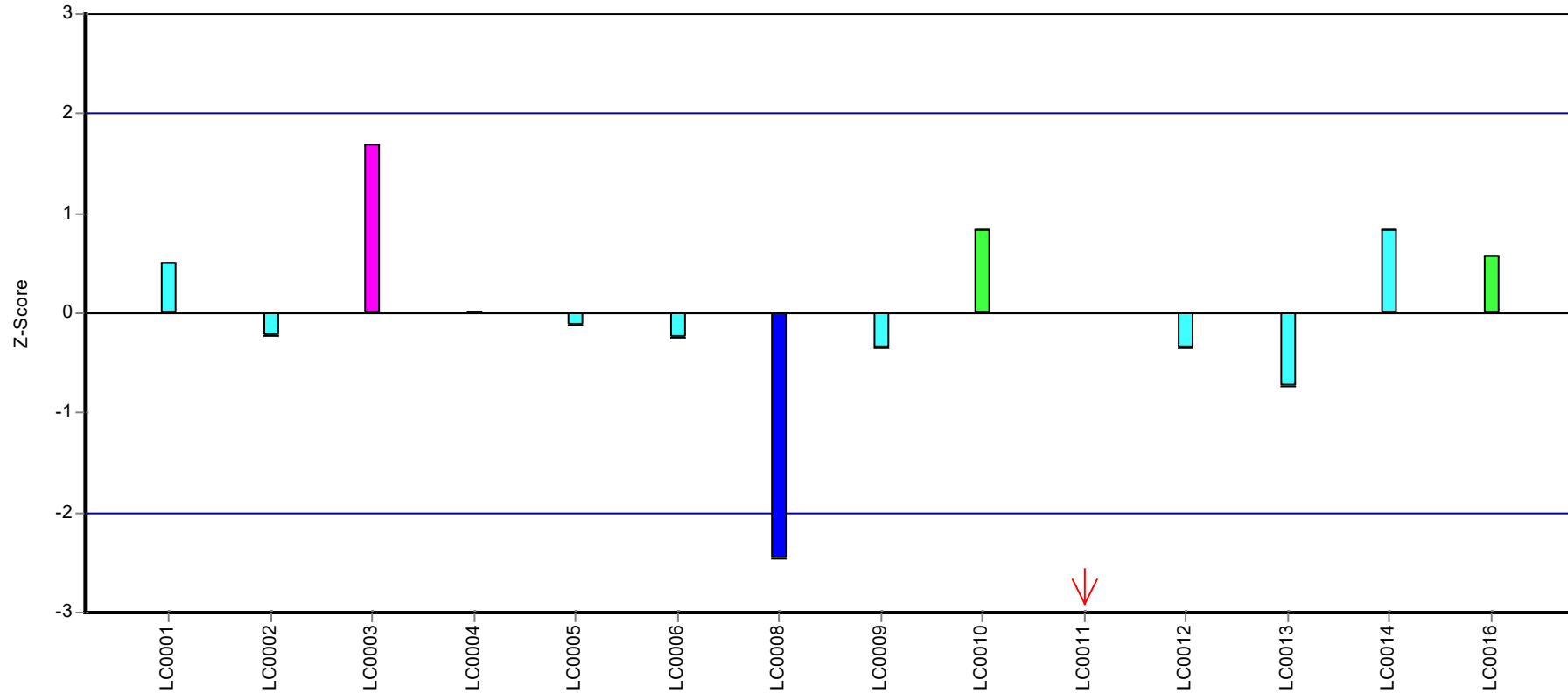
Recovery rate



Parameter oriented report Pesticides H118

Sample: H118B, Parameter: Terbutylazine-desethyl

Z-score



■ LC (UV-detection) 
 ■ LC-MS 
 ■ LC-MS/MS 
 ■ LC-MS/MS (SPE) 
 ■ LC-MS/MS direct 
 — Control limit 
 — Limit of tolerance

Parameter oriented report Pesticides H118

Sample: H118A, Parameter: Terbutryn

## Parameter oriented report

### H118 A

#### Terbutryn

Unit	µg/l
Assigned value ± U (k=2)	0.628 ± 0.0228
Criterion	0.0628 (10 %)
Minimum - Maximum	0.569 - 0.706
Control test value ± U (k=2)	0.624 ± 0.25

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.63	0.19	100	0.02	
LC0002	0.5839	0.14597	92.9	-0.71	
LC0003	0.652	0.098	104	0.37	
LC0004	-	-	-	-	
LC0005	0.621	0.12	98.8	-0.12	
LC0006	0.677	0.004	108	0.77	
LC0007	0.706	0.409	112	1.23	
LC0008	0.592	0.039	94.2	-0.58	
LC0009	0.601	0.075	95.6	-0.44	
LC0010	0.2878	0.0432	45.8	-5.42	H
LC0011	0.277	0.055	44.1	-5.59	H
LC0012	0.639	0.096	102	0.17	
LC0013	0.649	0.006	103	0.33	
LC0014	0.6219	0.1193	99	-0.1	
LC0015	0.569	0.171	90.5	-0.95	
LC0016	-	-	-	-	

#### Characteristics of parameter

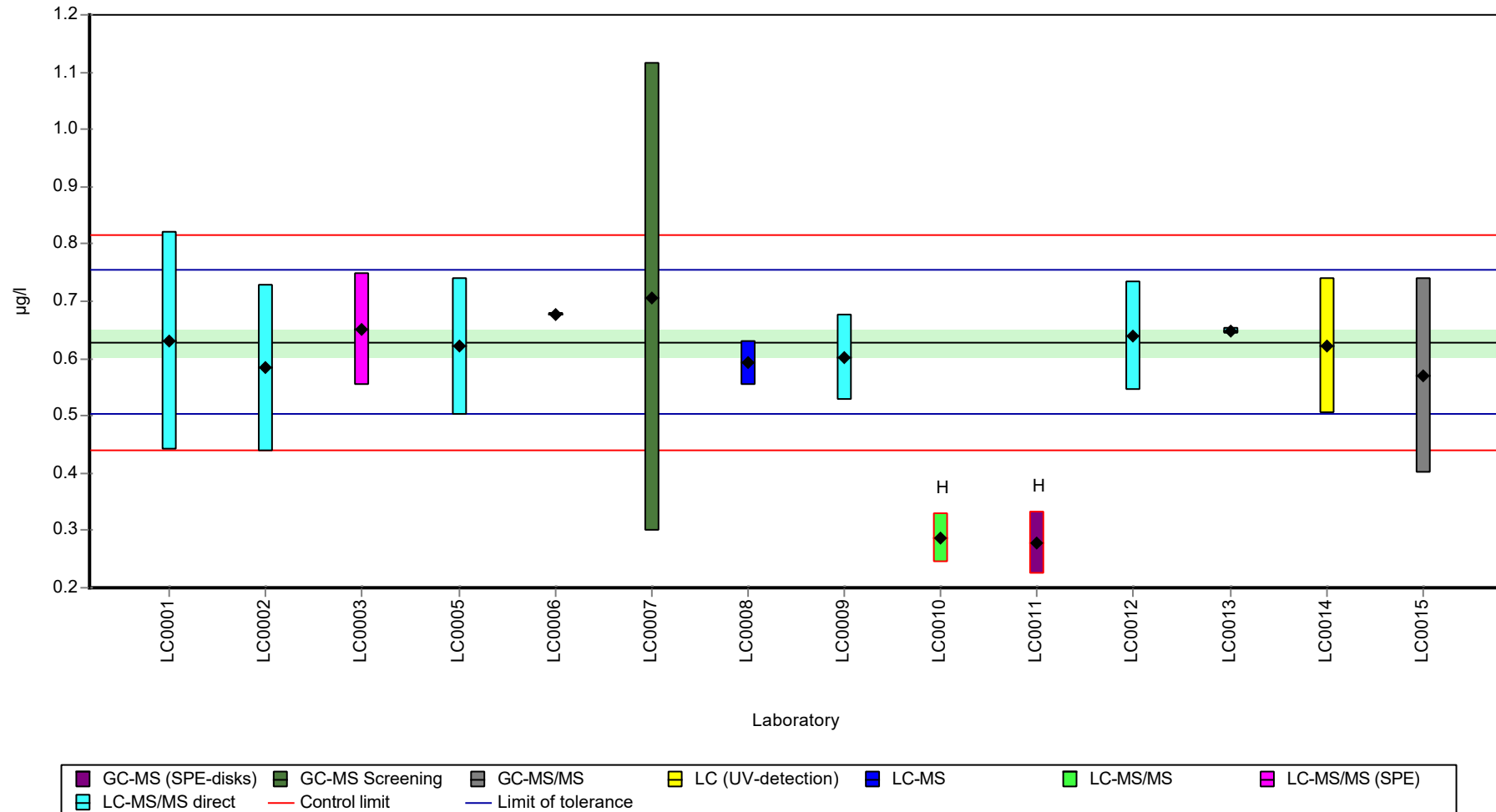
	all results	w ithout outliers	Unit
Mean ± CI (99%)	0.579 ± 0.105	0.628 ± 0.0342	µg/l
Minimum	0.277	0.569	µg/l
Maximum	0.706	0.706	µg/l
Standard deviation	0.131	0.0395	µg/l
rel. standard deviation	22.6	6.28	%
n	14	12	-

Parameter oriented report Pesticides H118

Sample: H118A, Parameter: Terbutryn

Graphical presentation of results

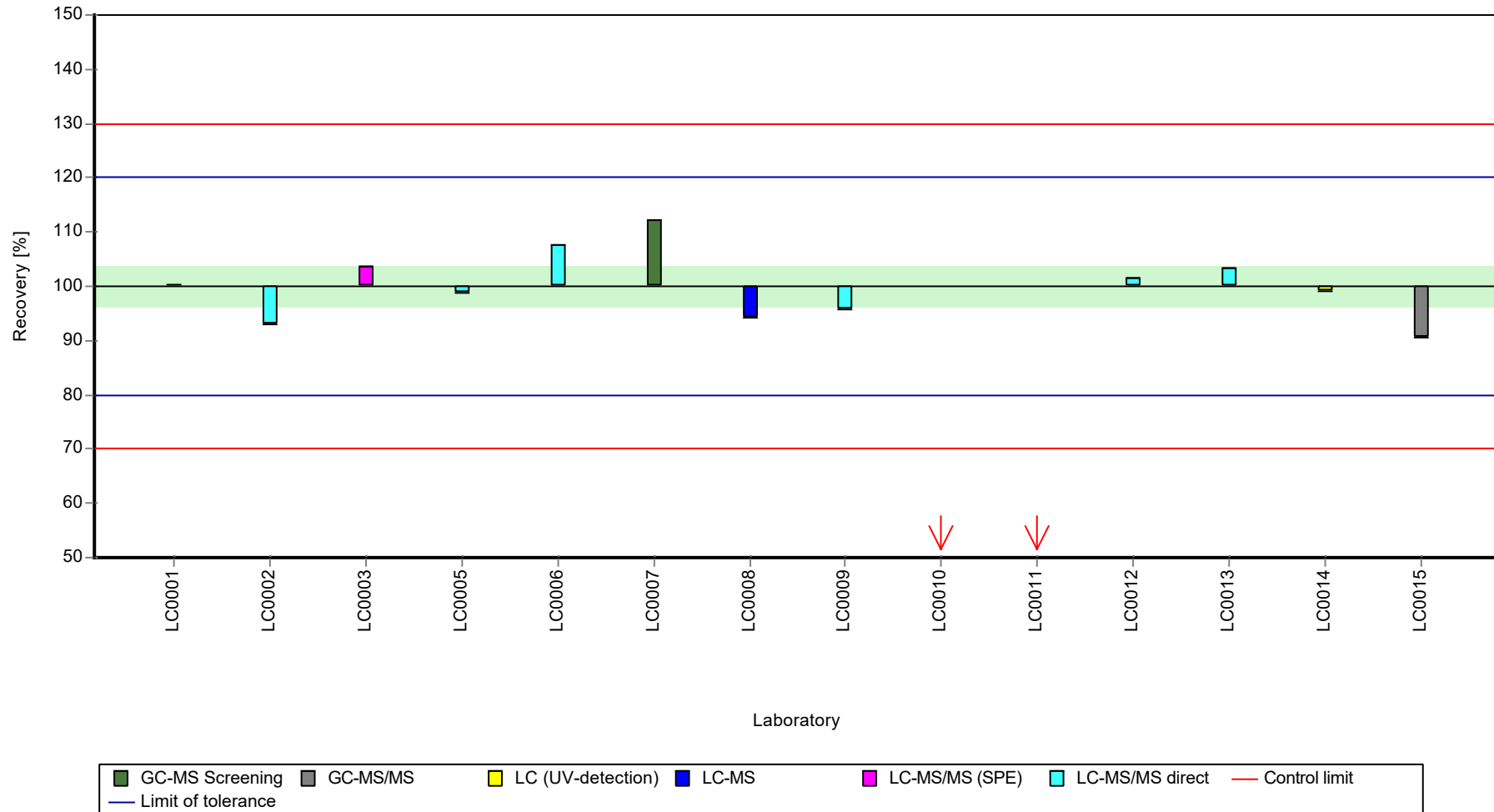
Results



Parameter oriented report Pesticides H118

Sample: H118A, Parameter: Terbutryn

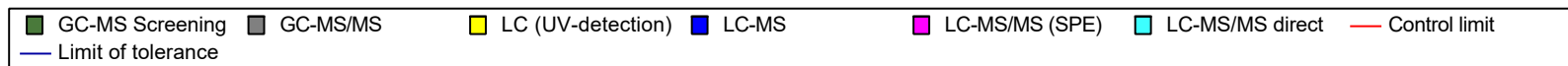
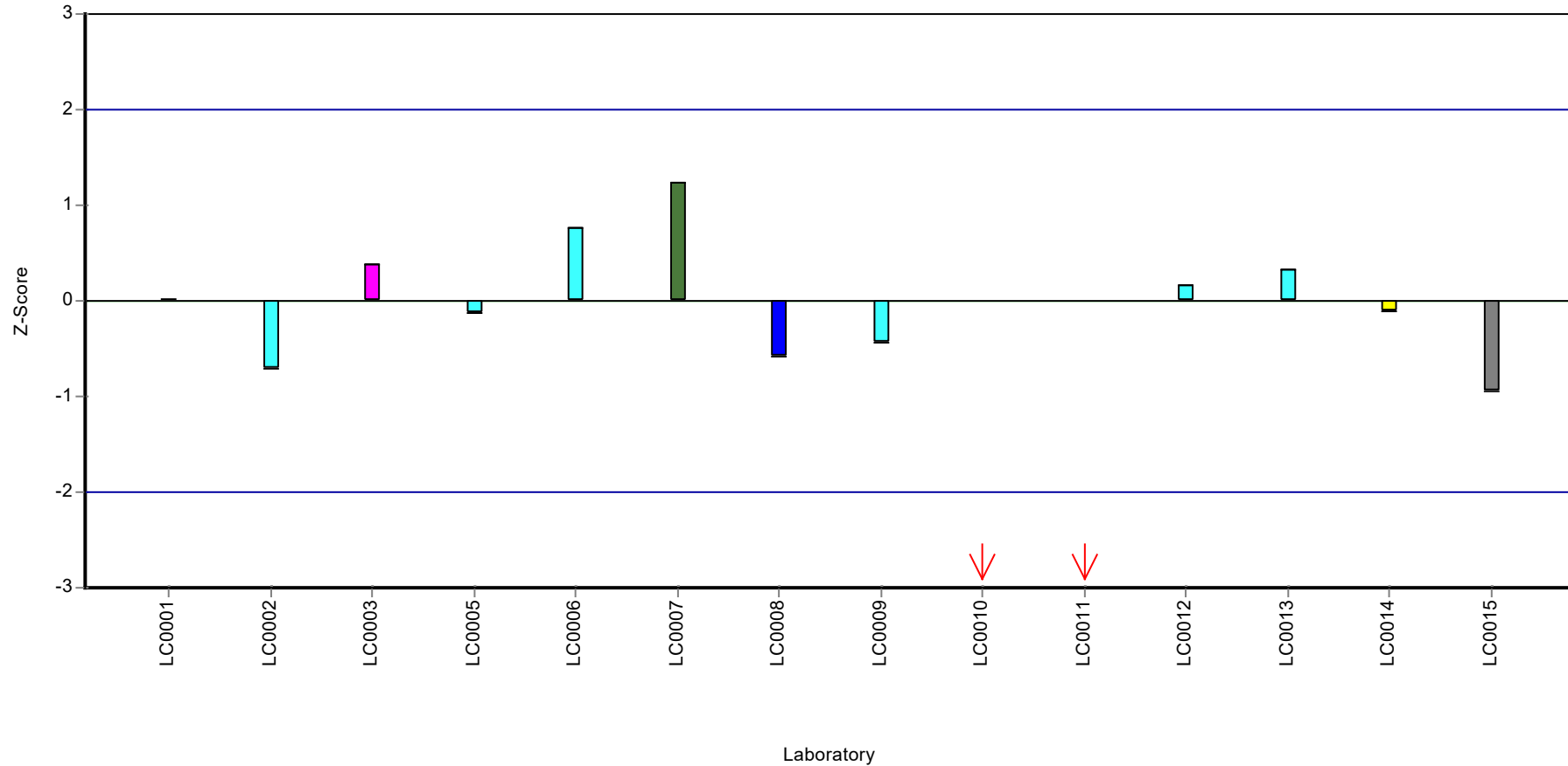
Recovery rate



Parameter oriented report Pesticides H118

Sample: H118A, Parameter: Terbutryn

Z-score





Parameter oriented report Pesticides H118

Sample: H118B, Parameter: Terbutryn

## Parameter oriented report

### H118 B

#### Terbutryn

Unit	µg/l
Assigned value ± U (k=2)	0.332 ± 0.0175
Criterion	0.0332 (10 %)
Minimum - Maximum	0.266 - 0.387
Control test value ± U (k=2)	0.324 ± 0.13

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.33	0.1	99.4	-0.06	
LC0002	0.2655	0.06638	80	-2	
LC0003	0.325	0.049	97.9	-0.21	
LC0004	-	-	-	-	
LC0005	0.306	0.061	92.2	-0.78	
LC0006	0.33	0.002	99.4	-0.06	
LC0007	0.387	0.224	117	1.66	
LC0008	0.325	0.001	97.9	-0.21	
LC0009	0.332	0.042	100	0.00	
LC0010	0.294	0.0441	88.6	-1.14	
LC0011	0.145	0.029	43.7	-5.63	H
LC0012	0.36	0.054	108	0.84	
LC0013	0.349	0.012	105	0.51	
LC0014	0.3539	0.0973	107	0.66	
LC0015	0.358	0.107	108	0.78	
LC0016	-	-	-	-	

#### Characteristics of parameter

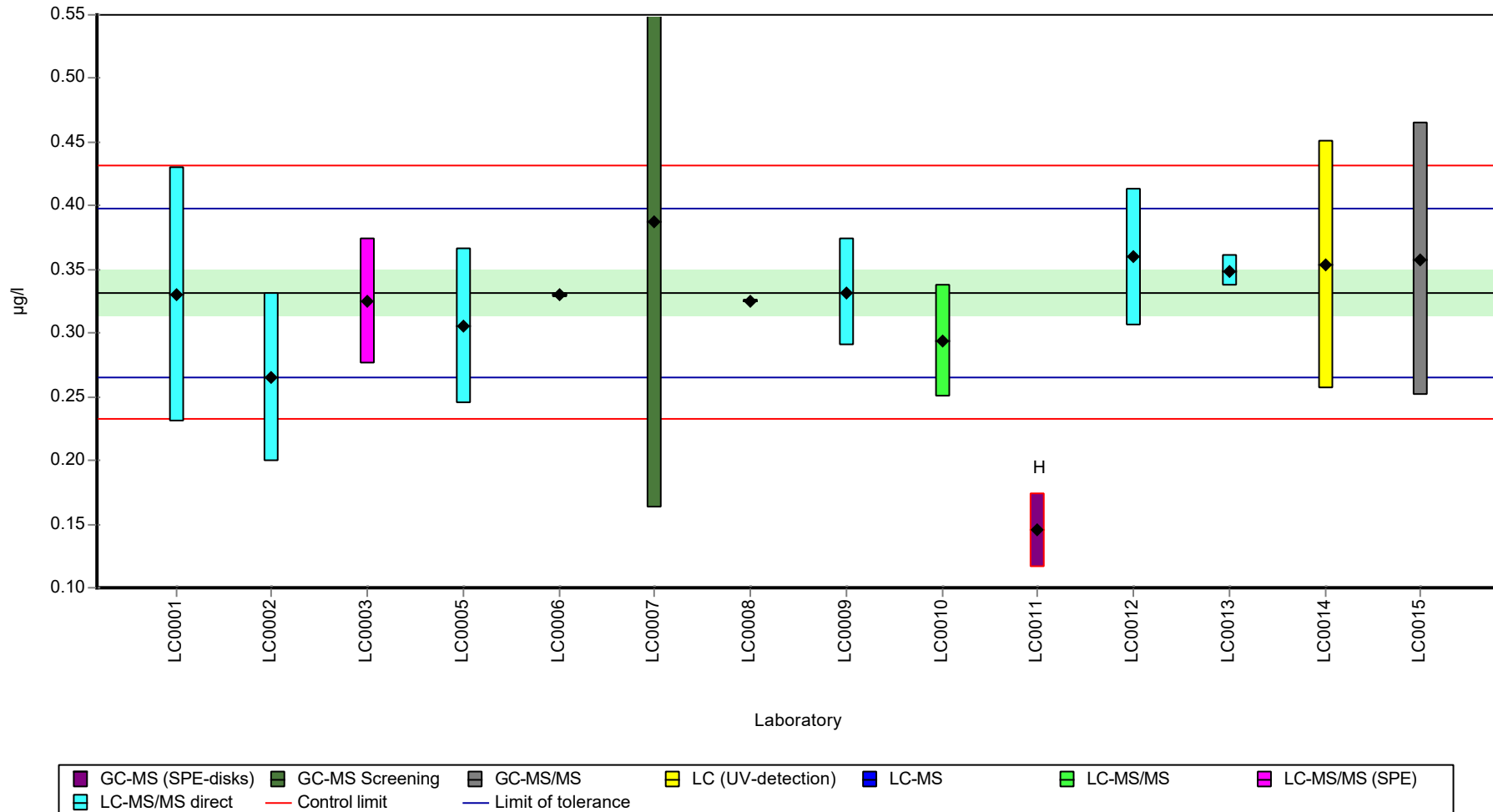
	all results	w ithout outliers	Unit
Mean ± CI (99%)	0.319 ± 0.0468	0.332 ± 0.0262	µg/l
Minimum	0.145	0.266	µg/l
Maximum	0.387	0.387	µg/l
Standard deviation	0.0584	0.0315	µg/l
rel. standard deviation	18.3	9.49	%
n	14	13	-

Parameter oriented report Pesticides H118

Sample: H118B, Parameter: Terbutryn

Graphical presentation of results

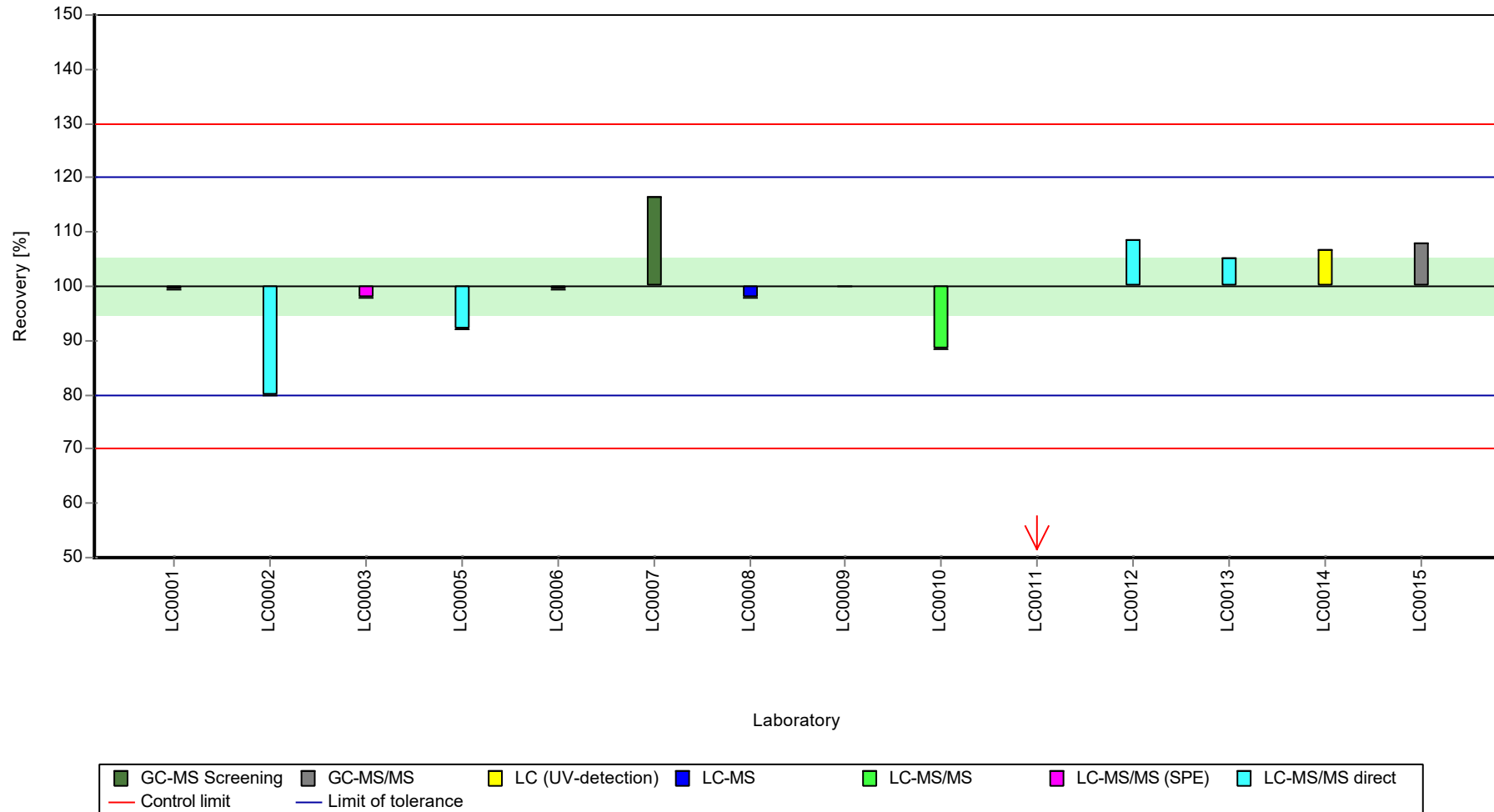
Results



Parameter oriented report Pesticides H118

Sample: H118B, Parameter: Terbutryn

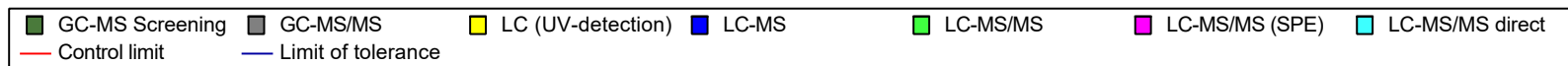
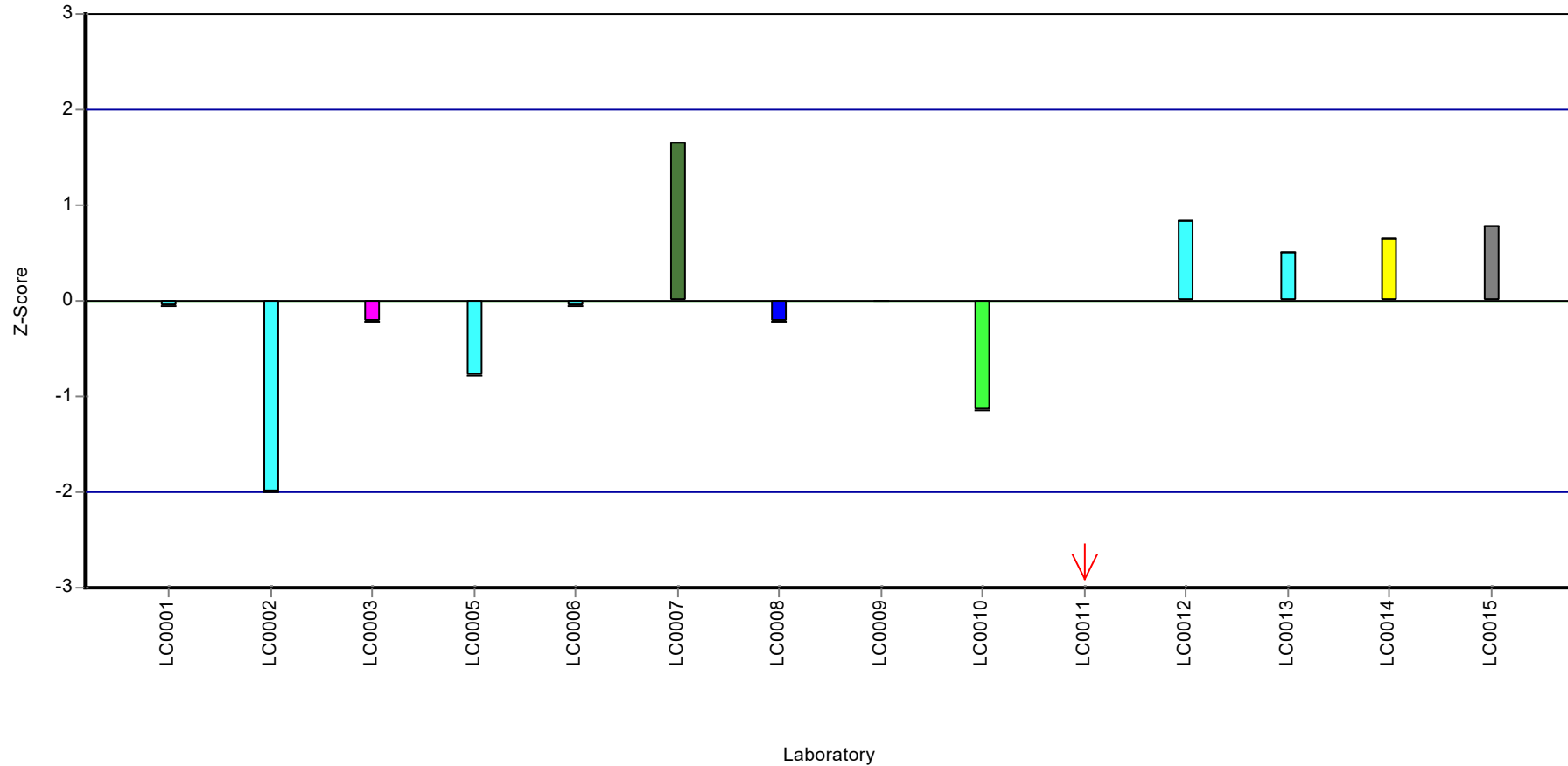
Recovery rate



Parameter oriented report Pesticides H118

Sample: H118B, Parameter: Terbutryn

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.

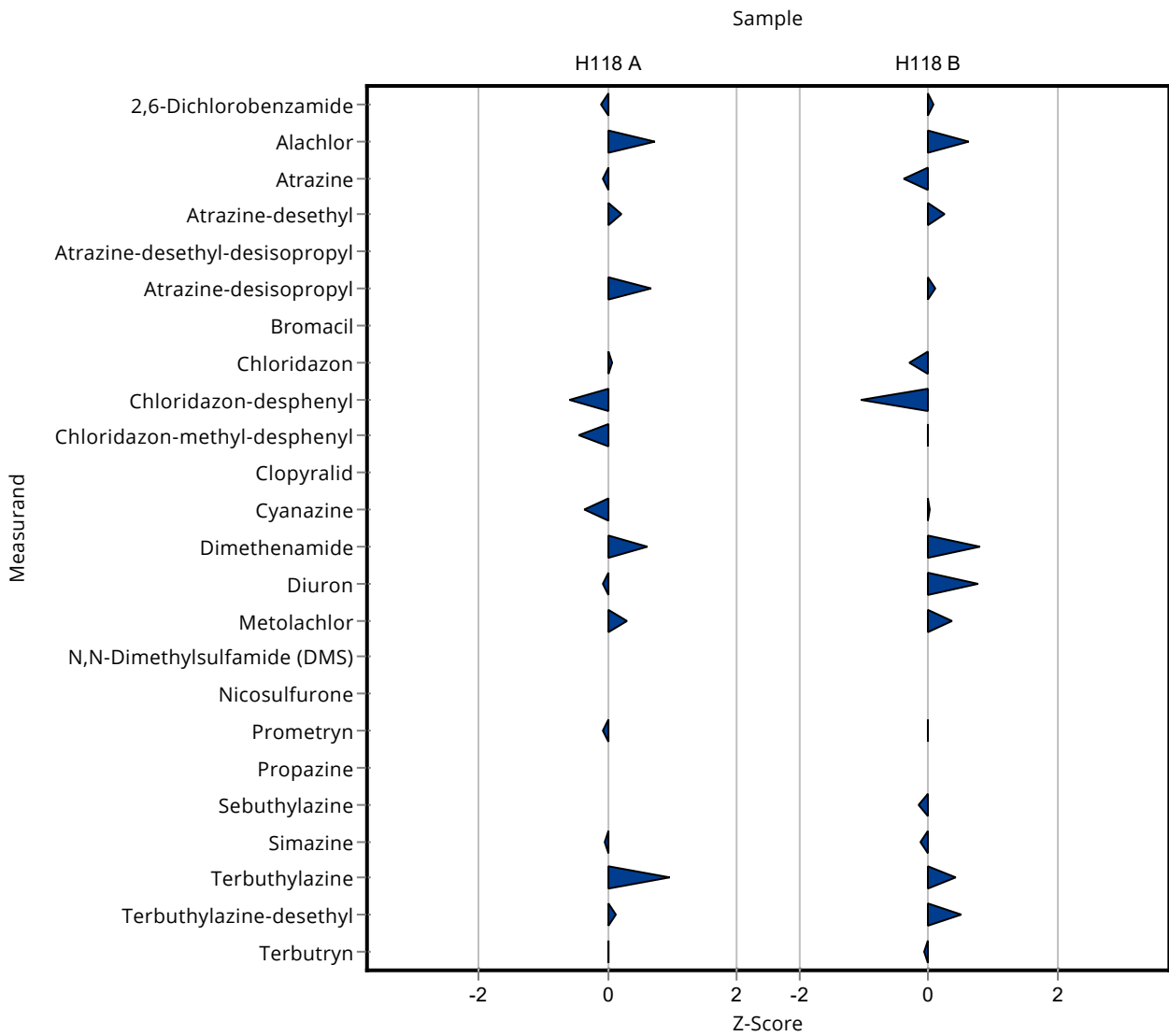
Sample: H118A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
2,6-Dichlorobenzamide	µg/l	0.936 ± 0.0508	0.92 ± 0.28	0.14	98.3	-0.11
Alachlor	µg/l	0.646 ± 0.0421	0.702 ± 0.21	0.0775	109	0.72
Atrazine	µg/l	0.605 ± 0.0286	0.6 ± 0.18	0.0666	99.1	-0.08
Atrazine-desethyl	µg/l	0.449 ± 0.0244	0.46 ± 0.14	0.0539	102	0.21
Atrazine-desethyl-desisopropyl	µg/l	- ± -	- ± -	-	-	-
Atrazine-desisopropyl	µg/l	0.292 ± 0.0132	0.32 ± 0.1	0.0409	110	0.68
Bromacil	µg/l	- ± -	- ± -	-	-	-
Chloridazon	µg/l	0.506 ± 0.0306	0.51 ± 0.15	0.0657	101	0.07
Chloridazon-desphenyl	µg/l	0.188 ± 0.022	0.17 ± 0.05	0.0301	90.3	-0.61
Chloridazon-methyl-desphenyl	µg/l	0.585 ± 0.046	0.55 ± 0.17	0.076	94	-0.46
Clopyralid	µg/l	0.486 ± 0.075	- ± -	0.0972	-	-
Cyanazine	µg/l	0.833 ± 0.0363	0.79 ± 0.24	0.117	94.8	-0.37
Dimethenamide	µg/l	0.651 ± 0.045	0.69 ± 0.21	0.0651	106	0.60
Diuron	µg/l	0.535 ± 0.0265	0.53 ± 0.16	0.0695	99.1	-0.07
Metolachlor	µg/l	0.623 ± 0.0267	0.65 ± 0.2	0.0934	104	0.29
N,N-Dimethylsulfamide (DMS)	µg/l	- ± -	- ± -	-	-	-
Nicosulfurone	µg/l	- ± -	0.34 ± 0.1	-	-	-
Prometryn	µg/l	0.505 ± 0.0111	0.5 ± 0.15	0.0656	99.1	-0.07
Propazine	µg/l	0.349 ± 0.0189	- ± -	0.0454	-	-
Sebuthylazine	µg/l	- ± -	<0.01 (LOQ) ± -	-	-	-
Simazine	µg/l	0.462 ± 0.0261	0.46 ± 0.14	0.0509	99.5	-0.05
Terbuthylazine	µg/l	0.262 ± 0.0111	0.29 ± 0.09	0.0288	111	0.97
Terbuthylazine-desethyl	µg/l	0.296 ± 0.0149	0.3 ± 0.09	0.0325	101	0.13
Terbutryn	µg/l	0.628 ± 0.0228	0.63 ± 0.19	0.0628	100	0.02

Sample: H118B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
2,6-Dichlorobenzamide	µg/l	0.82 ± 0.0509	0.83 ± 0.25	0.123	101	0.08
Alachlor	µg/l	0.822 ± 0.0302	0.884 ± 0.27	0.0986	108	0.63
Atrazine	µg/l	0.837 ± 0.0256	0.8 ± 0.24	0.0921	95.6	-0.40

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Atrazine-desethyl	µg/l	0.796 ± 0.0375	0.82 ± 0.25	0.0955	103	0.25
Atrazine-desethyl-desisopropyl	µg/l	- ± -	- ± -	-	-	-
Atrazine-desisopropyl	µg/l	0.689 ± 0.0457	0.7 ± 0.21	0.0964	102	0.12
Bromacil	µg/l	- ± -	- ± -	-	-	-
Chloridazon	µg/l	0.511 ± 0.03	0.49 ± 0.15	0.0664	96	-0.31
Chloridazon-desphenyl	µg/l	0.316 ± 0.0166	0.28 ± 0.08	0.0348	88.5	-1.05
Chloridazon-methyl-desphenyl	µg/l	0.582 ± 0.029	0.58 ± 0.17	0.0756	99.7	-0.02
Clopyralid	µg/l	0.806 ± 0.12	- ± -	0.161	-	-
Cyanazine	µg/l	0.538 ± 0.0254	0.54 ± 0.16	0.0754	100	0.02
Dimethenamide	µg/l	0.983 ± 0.0996	1.1 ± 0.33	0.148	112	0.79
Diuron	µg/l	0.509 ± 0.0283	0.56 ± 0.17	0.0662	110	0.76
Metolachlor	µg/l	0.779 ± 0.0345	0.82 ± 0.25	0.117	105	0.35
N,N-Dimethylsulfamide (DMS)	µg/l	0.632 ± 0.136	- ± -	0.164	-	-
Nicosulfurone	µg/l	- ± -	0.69 ± 0.21	-	-	-
Prometryn	µg/l	0.732 ± 0.0216	0.73 ± 0.22	0.0952	99.7	-0.02
Propazine	µg/l	0.568 ± 0.0414	- ± -	0.0739	-	-
Sebuthylazine	µg/l	0.709 ± 0.0233	0.7 ± 0.21	0.066	98.7	-0.14
Simazine	µg/l	0.557 ± 0.0263	0.55 ± 0.17	0.0613	98.7	-0.12
Terbuthylazine	µg/l	0.515 ± 0.0163	0.54 ± 0.16	0.0567	105	0.43
Terbuthylazine-desethyl	µg/l	0.597 ± 0.0361	0.63 ± 0.19	0.0656	106	0.51
Terbutryn	µg/l	0.332 ± 0.0175	0.33 ± 0.1	0.0332	99.4	-0.06





## Sample: H118A

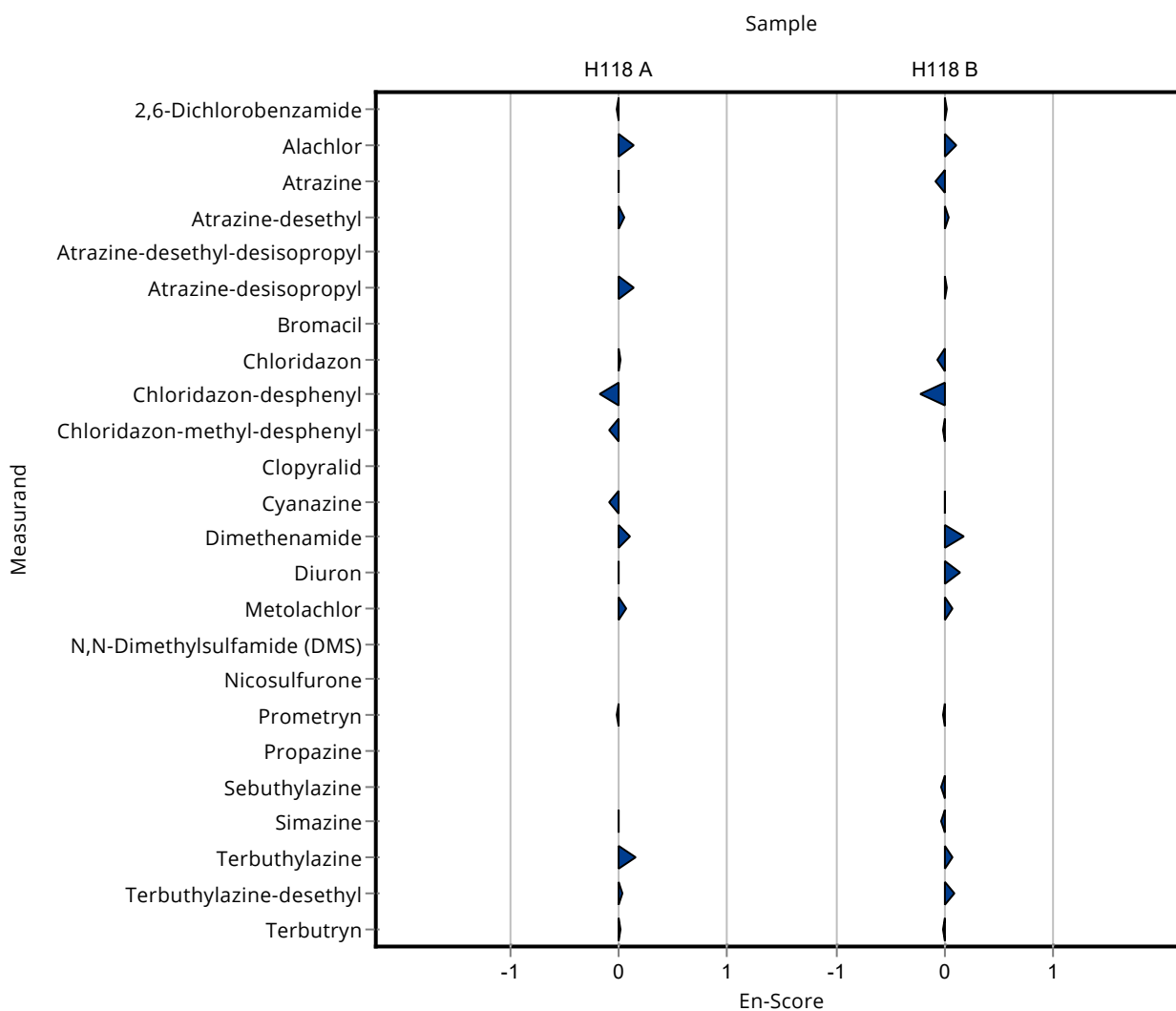
Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
2,6-Dichlorobenzamide	µg/l	0.936 ± 0.0508	0.92 ± 0.28	0.14	98.3	-0.03
Alachlor	µg/l	0.646 ± 0.0421	0.702 ± 0.21	0.0775	109	0.13
Atrazine	µg/l	0.605 ± 0.0286	0.6 ± 0.18	0.0666	99.1	-0.01
Atrazine-desethyl	µg/l	0.449 ± 0.0244	0.46 ± 0.14	0.0539	102	0.04
Atrazine-desethyl-desisopropyl	µg/l	- ± -	- ± -	-	-	-
Atrazine-desisopropyl	µg/l	0.292 ± 0.0132	0.32 ± 0.1	0.0409	110	0.14
Bromacil	µg/l	- ± -	- ± -	-	-	-
Chloridazon	µg/l	0.506 ± 0.0306	0.51 ± 0.15	0.0657	101	0.01
Chloridazon-desphenyl	µg/l	0.188 ± 0.022	0.17 ± 0.05	0.0301	90.3	-0.18
Chloridazon-methyl-desphenyl	µg/l	0.585 ± 0.046	0.55 ± 0.17	0.076	94	-0.10
Clopyralid	µg/l	0.486 ± 0.075	- ± -	0.0972	-	-
Cyanazine	µg/l	0.833 ± 0.0363	0.79 ± 0.24	0.117	94.8	-0.09
Dimethenamide	µg/l	0.651 ± 0.045	0.69 ± 0.21	0.0651	106	0.09
Diuron	µg/l	0.535 ± 0.0265	0.53 ± 0.16	0.0695	99.1	-0.01
Metolachlor	µg/l	0.623 ± 0.0267	0.65 ± 0.2	0.0934	104	0.07
N,N-Dimethylsulfamide (DMS)	µg/l	- ± -	- ± -	-	-	-
Nicosulfurone	µg/l	- ± -	0.34 ± 0.1	-	-	-
Prometryn	µg/l	0.505 ± 0.0111	0.5 ± 0.15	0.0656	99.1	-0.02
Propazine	µg/l	0.349 ± 0.0189	- ± -	0.0454	-	-
Sebuthylazine	µg/l	- ± -	<0.01 (LOQ) ± -	-	-	-
Simazine	µg/l	0.462 ± 0.0261	0.46 ± 0.14	0.0509	99.5	-0.01
Terbuthylazine	µg/l	0.262 ± 0.0111	0.29 ± 0.09	0.0288	111	0.15
Terbuthylazine-desethyl	µg/l	0.296 ± 0.0149	0.3 ± 0.09	0.0325	101	0.02

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Terbutryn	µg/l	0.628 ± 0.0228	0.63 ± 0.19	0.0628	100	0.00

Sample: H118B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
2,6-Dichlorobenzamide	µg/l	0.82 ± 0.0509	0.83 ± 0.25	0.123	101	0.02
Alachlor	µg/l	0.822 ± 0.0302	0.884 ± 0.27	0.0986	108	0.11
Atrazine	µg/l	0.837 ± 0.0256	0.8 ± 0.24	0.0921	95.6	-0.08
Atrazine-desethyl	µg/l	0.796 ± 0.0375	0.82 ± 0.25	0.0955	103	0.05
Atrazine-desethyl-desisopropyl	µg/l	- ± -	- ± -	-	-	-
Atrazine-desisopropyl	µg/l	0.689 ± 0.0457	0.7 ± 0.21	0.0964	102	0.03
Bromacil	µg/l	- ± -	- ± -	-	-	-
Chloridazon	µg/l	0.511 ± 0.03	0.49 ± 0.15	0.0664	96	-0.07
Chloridazon-desphenyl	µg/l	0.316 ± 0.0166	0.28 ± 0.08	0.0348	88.5	-0.23
Chloridazon-methyl-desphenyl	µg/l	0.582 ± 0.029	0.58 ± 0.17	0.0756	99.7	0.00
Clopyralid	µg/l	0.806 ± 0.12	- ± -	0.161	-	-
Cyanazine	µg/l	0.538 ± 0.0254	0.54 ± 0.16	0.0754	100	0.01
Dimethenamide	µg/l	0.983 ± 0.0996	1.1 ± 0.33	0.148	112	0.17
Diuron	µg/l	0.509 ± 0.0283	0.56 ± 0.17	0.0662	110	0.15
Metolachlor	µg/l	0.779 ± 0.0345	0.82 ± 0.25	0.117	105	0.08
N,N-Dimethylsulfamide (DMS)	µg/l	0.632 ± 0.136	- ± -	0.164	-	-
Nicosulfurone	µg/l	- ± -	0.69 ± 0.21	-	-	-
Prometryn	µg/l	0.732 ± 0.0216	0.73 ± 0.22	0.0952	99.7	0.00
Propazine	µg/l	0.568 ± 0.0414	- ± -	0.0739	-	-
Sebuthylazine	µg/l	0.709 ± 0.0233	0.7 ± 0.21	0.066	98.7	-0.02
Simazine	µg/l	0.557 ± 0.0263	0.55 ± 0.17	0.0613	98.7	-0.02

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion Recovery	En-Score
				[%]	
Terbutylazine	µg/l	0.515 ± 0.0163	0.54 ± 0.16	0.0567	105
Terbutylazine-desethyl	µg/l	0.597 ± 0.0361	0.63 ± 0.19	0.0656	106
Terbutryn	µg/l	0.332 ± 0.0175	0.33 ± 0.1	0.0332	99.4



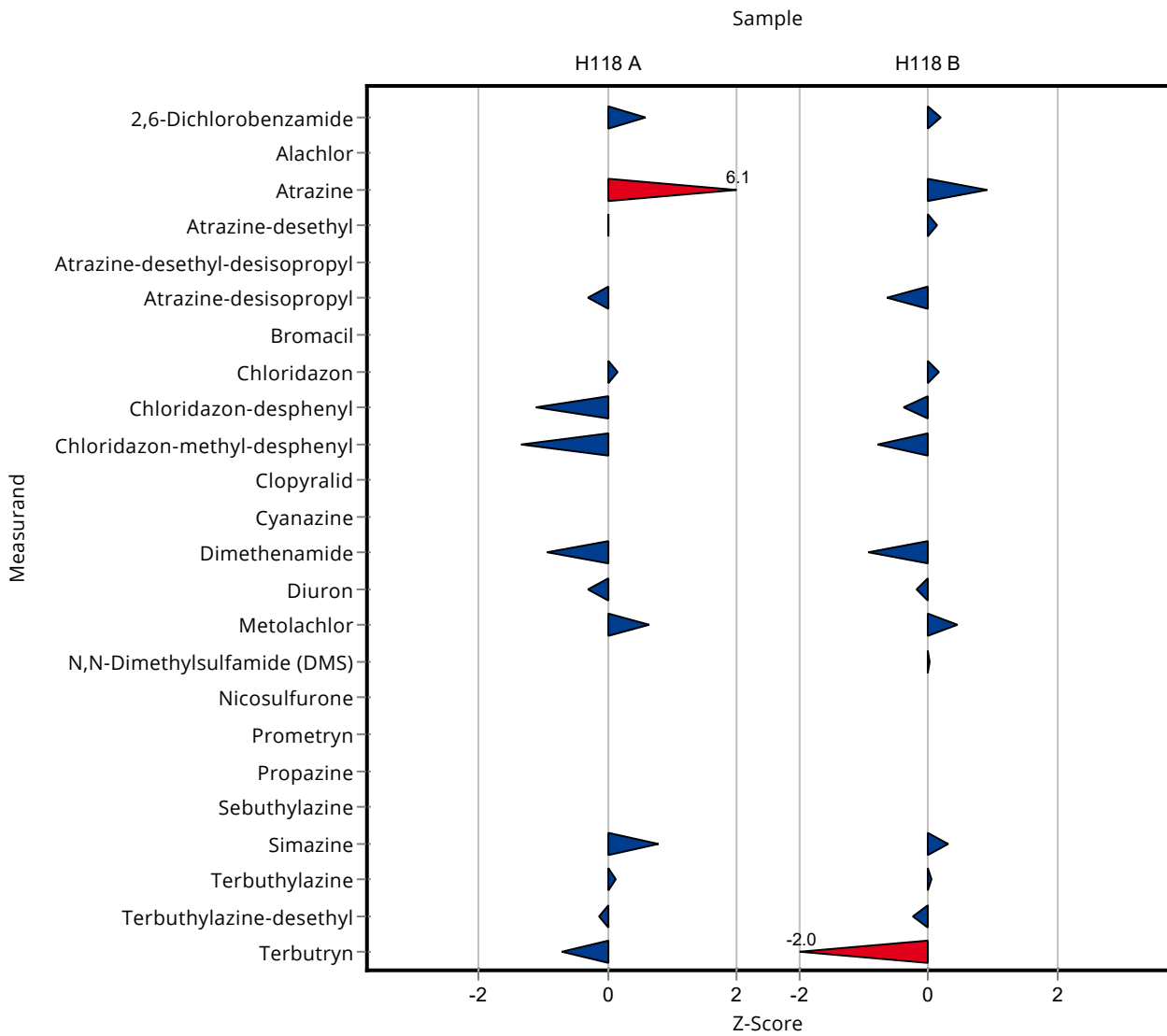
Sample: H118A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
2,6-Dichlorobenzamide	µg/l	0.936 ± 0.0508	1.0177 ± 0.254425	0.14	109	0.58
Alachlor	µg/l	0.646 ± 0.0421	- ± -	0.0775	-	-
Atrazine	µg/l	0.605 ± 0.0286	1.0128 ± 0.2532	0.0666	167	6.12
Atrazine-desethyl	µg/l	0.449 ± 0.0244	0.45 ± 0.1125	0.0539	100	0.02
Atrazine-desethyl-desisopropyl	µg/l	- ± -	- ± -	-	-	-
Atrazine-desisopropyl	µg/l	0.292 ± 0.0132	0.27895 ± 0.069737	0.0409	95.5	-0.32
Bromacil	µg/l	- ± -	- ± -	-	-	-
Chloridazon	µg/l	0.506 ± 0.0306	0.51585 ± 0.128963	0.0657	102	0.16
Chloridazon-desphenyl	µg/l	0.188 ± 0.022	0.155 ± 0.03875	0.0301	82.3	-1.11
Chloridazon-methyl-desphenyl	µg/l	0.585 ± 0.046	0.48165 ± 0.120413	0.076	82.4	-1.36
Clopyralid	µg/l	0.486 ± 0.075	- ± -	0.0972	-	-
Cyanazine	µg/l	0.833 ± 0.0363	- ± -	0.117	-	-
Dimethenamide	µg/l	0.651 ± 0.045	0.58955 ± 0.147388	0.0651	90.6	-0.94
Diuron	µg/l	0.535 ± 0.0265	0.5129 ± 0.128225	0.0695	95.9	-0.31
Metolachlor	µg/l	0.623 ± 0.0267	0.6844 ± 0.1711	0.0934	110	0.66
N,N-Dimethylsulfamide (DMS)	µg/l	- ± -	1.0201 ± 0.255025	-	-	-
Nicosulfurone	µg/l	- ± -	0.7909 ± 0.197725	-	-	-
Prometryn	µg/l	0.505 ± 0.0111	- ± -	0.0656	-	-
Propazine	µg/l	0.349 ± 0.0189	- ± -	0.0454	-	-
Sebuthylazine	µg/l	- ± -	- ± -	-	-	-
Simazine	µg/l	0.462 ± 0.0261	0.50255 ± 0.125638	0.0509	109	0.79
Terbutylazine	µg/l	0.262 ± 0.0111	0.2656 ± 0.0664	0.0288	101	0.12
Terbutylazine-desethyl	µg/l	0.296 ± 0.0149	0.2913 ± 0.072825	0.0325	98.5	-0.14
Terbutryn	µg/l	0.628 ± 0.0228	0.5839 ± 0.145975	0.0628	92.9	-0.71

Sample: H118B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
2,6-Dichlorobenzamide	µg/l	0.82 ± 0.0509	0.84425 ± 0.211062	0.123	103	0.20
Alachlor	µg/l	0.822 ± 0.0302	- ± -	0.0986	-	-
Atrazine	µg/l	0.837 ± 0.0256	0.9202 ± 0.23005	0.0921	110	0.90

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion Recovery	z-Score	
				[%]		
Atrazine-desethyl	µg/l	0.796 ± 0.0375	0.80975 ± 0.202437	0.0955	102	0.14
Atrazine-desethyl-desisopropyl	µg/l	- ± -	- ± -	-	-	-
Atrazine-desisopropyl	µg/l	0.689 ± 0.0457	0.62745 ± 0.156862	0.0964	91.1	-0.63
Bromacil	µg/l	- ± -	- ± -	-	-	-
Chloridazon	µg/l	0.511 ± 0.03	0.52235 ± 0.130587	0.0664	102	0.18
Chloridazon-desphenyl	µg/l	0.316 ± 0.0166	0.30325 ± 0.075813	0.0348	95.8	-0.38
Chloridazon-methyl-desphenyl	µg/l	0.582 ± 0.029	0.5209 ± 0.130225	0.0756	89.6	-0.80
Clopyralid	µg/l	0.806 ± 0.12	- ± -	0.161	-	-
Cyanazine	µg/l	0.538 ± 0.0254	- ± -	0.0754	-	-
Dimethenamide	µg/l	0.983 ± 0.0996	0.84465 ± 0.211163	0.148	85.9	-0.94
Diuron	µg/l	0.509 ± 0.0283	0.4963 ± 0.124075	0.0662	97.4	-0.20
Metolachlor	µg/l	0.779 ± 0.0345	0.83115 ± 0.207788	0.117	107	0.45
N,N-Dimethylsulfamide (DMS)	µg/l	0.632 ± 0.136	0.6342 ± 0.15855	0.164	100	0.01
Nicosulfurone	µg/l	- ± -	1.2184 ± 0.3046	-	-	-
Prometryn	µg/l	0.732 ± 0.0216	- ± -	0.0952	-	-
Propazine	µg/l	0.568 ± 0.0414	- ± -	0.0739	-	-
Sebuthylazine	µg/l	0.709 ± 0.0233	- ± -	0.066	-	-
Simazine	µg/l	0.557 ± 0.0263	0.5766 ± 0.14415	0.0613	103	0.32
Terbuthylazine	µg/l	0.515 ± 0.0163	0.518 ± 0.1295	0.0567	101	0.05
Terbuthylazine-desethyl	µg/l	0.597 ± 0.0361	0.5814 ± 0.14535	0.0656	97.5	-0.23
Terbutryn	µg/l	0.332 ± 0.0175	0.2655 ± 0.066375	0.0332	80	-2.00



Sample: H118A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
2,6-Dichlorobenzamide	µg/l	0.936 ± 0.0508	1.0177 ± 0.254425	0.14	109	0.16
Alachlor	µg/l	0.646 ± 0.0421	- ± -	0.0775	-	-
Atrazine	µg/l	0.605 ± 0.0286	1.0128 ± 0.2532	0.0666	167	0.80
Atrazine-desethyl	µg/l	0.449 ± 0.0244	0.45 ± 0.1125	0.0539	100	0.00
Atrazine-desethyl-desisopropyl	µg/l	- ± -	- ± -	-	-	-
Atrazine-desisopropyl	µg/l	0.292 ± 0.0132	0.27895 ± 0.069737	0.0409	95.5	-0.09
Bromacil	µg/l	- ± -	- ± -	-	-	-
Chloridazon	µg/l	0.506 ± 0.0306	0.51585 ± 0.128963	0.0657	102	0.04
Chloridazon-desphenyl	µg/l	0.188 ± 0.022	0.155 ± 0.03875	0.0301	82.3	-0.41
Chloridazon-methyl-desphenyl	µg/l	0.585 ± 0.046	0.48165 ± 0.120413	0.076	82.4	-0.42
Clopyralid	µg/l	0.486 ± 0.075	- ± -	0.0972	-	-
Cyanazine	µg/l	0.833 ± 0.0363	- ± -	0.117	-	-
Dimethenamide	µg/l	0.651 ± 0.045	0.58955 ± 0.147388	0.0651	90.6	-0.20
Diuron	µg/l	0.535 ± 0.0265	0.5129 ± 0.128225	0.0695	95.9	-0.08
Metolachlor	µg/l	0.623 ± 0.0267	0.6844 ± 0.1711	0.0934	110	0.18
N,N-Dimethylsulfamide (DMS)	µg/l	- ± -	1.0201 ± 0.255025	-	-	-
Nicosulfurone	µg/l	- ± -	0.7909 ± 0.197725	-	-	-
Prometryn	µg/l	0.505 ± 0.0111	- ± -	0.0656	-	-
Propazine	µg/l	0.349 ± 0.0189	- ± -	0.0454	-	-
Sebuthylazine	µg/l	- ± -	- ± -	-	-	-
Simazine	µg/l	0.462 ± 0.0261	0.50255 ± 0.125638	0.0509	109	0.16
Terbuthylazine	µg/l	0.262 ± 0.0111	0.2656 ± 0.0664	0.0288	101	0.03
Terbuthylazine-desethyl	µg/l	0.296 ± 0.0149	0.2913 ± 0.072825	0.0325	98.5	-0.03

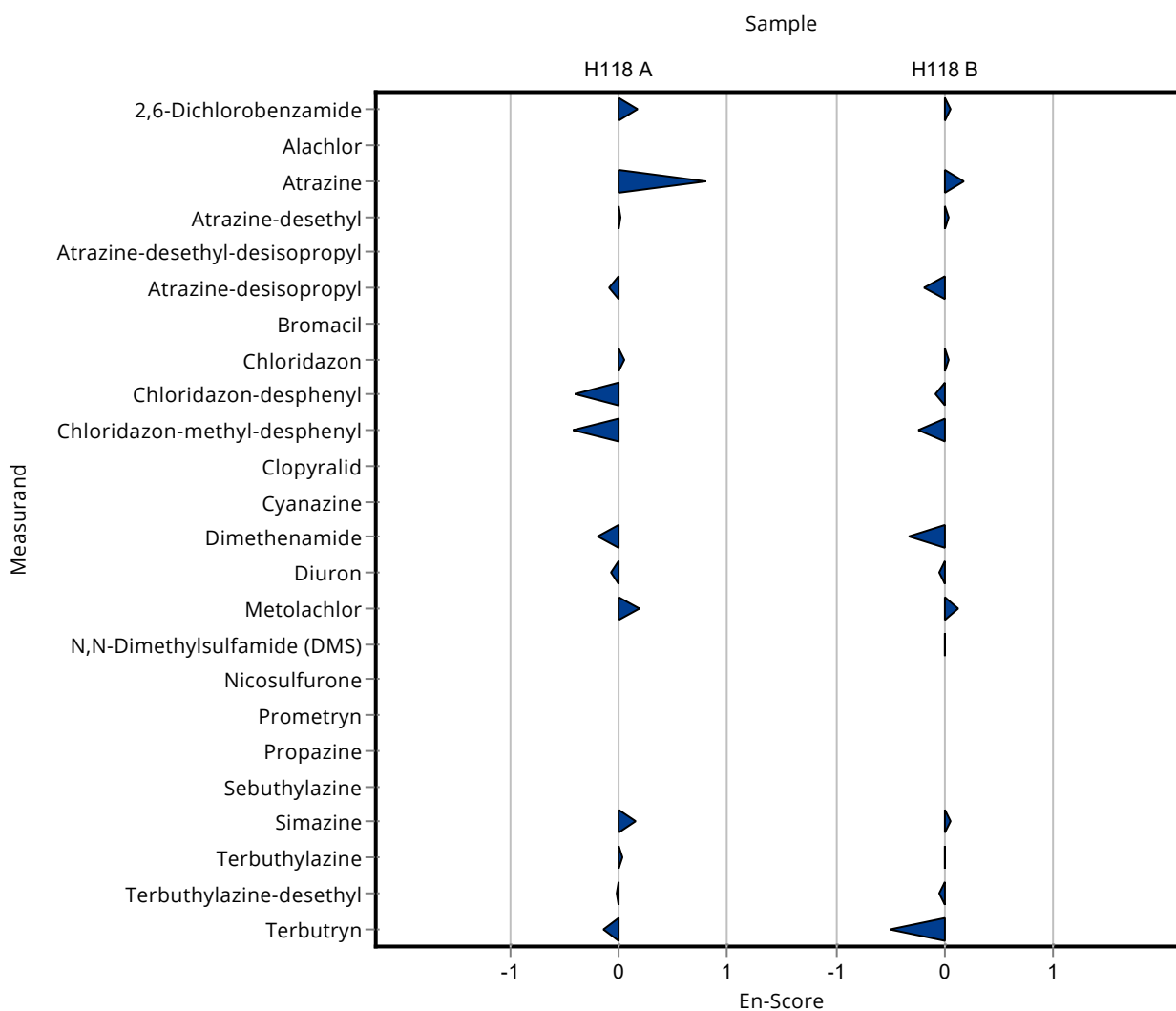
Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Terbutryn	µg/l	0.628 ± 0.0228	0.5839 ± 0.145975	0.0628	92.9	-0.15

Sample: H118B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
2,6-Dichlorobenzamide	µg/l	0.82 ± 0.0509	0.84425 ± 0.211062	0.123	103	0.06
Alachlor	µg/l	0.822 ± 0.0302	- ± -	0.0986	-	-
Atrazine	µg/l	0.837 ± 0.0256	0.9202 ± 0.23005	0.0921	110	0.18
Atrazine-desethyl	µg/l	0.796 ± 0.0375	0.80975 ± 0.202437	0.0955	102	0.03
Atrazine-desethyl-desisopropyl	µg/l	- ± -	- ± -	-	-	-
Atrazine-desisopropyl	µg/l	0.689 ± 0.0457	0.62745 ± 0.156862	0.0964	91.1	-0.19
Bromacil	µg/l	- ± -	- ± -	-	-	-
Chloridazon	µg/l	0.511 ± 0.03	0.52235 ± 0.130587	0.0664	102	0.04
Chloridazon-desphenyl	µg/l	0.316 ± 0.0166	0.30325 ± 0.075813	0.0348	95.8	-0.09
Chloridazon-methyl-desphenyl	µg/l	0.582 ± 0.029	0.5209 ± 0.130225	0.0756	89.6	-0.23
Clopyralid	µg/l	0.806 ± 0.12	- ± -	0.161	-	-
Cyanazine	µg/l	0.538 ± 0.0254	- ± -	0.0754	-	-
Dimethenamide	µg/l	0.983 ± 0.0996	0.84465 ± 0.211163	0.148	85.9	-0.32
Diuron	µg/l	0.509 ± 0.0283	0.4963 ± 0.124075	0.0662	97.4	-0.05
Metolachlor	µg/l	0.779 ± 0.0345	0.83115 ± 0.207788	0.117	107	0.13
N,N-Dimethylsulfamide (DMS)	µg/l	0.632 ± 0.136	0.6342 ± 0.15855	0.164	100	0.01
Nicosulfurone	µg/l	- ± -	1.2184 ± 0.3046	-	-	-
Prometryn	µg/l	0.732 ± 0.0216	- ± -	0.0952	-	-
Propazine	µg/l	0.568 ± 0.0414	- ± -	0.0739	-	-
Sebuthylazine	µg/l	0.709 ± 0.0233	- ± -	0.066	-	-
Simazine	µg/l	0.557 ± 0.0263	0.5766 ± 0.14415	0.0613	103	0.07



Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion Recovery [%]	En-Score
Terbuthylazine	µg/l	0.515 ± 0.0163	0.518 ± 0.1295	0.0567	101
Terbuthylazine-desethyl	µg/l	0.597 ± 0.0361	0.5814 ± 0.14535	0.0656	97.5
Terbutryn	µg/l	0.332 ± 0.0175	0.2655 ± 0.066375	0.0332	80



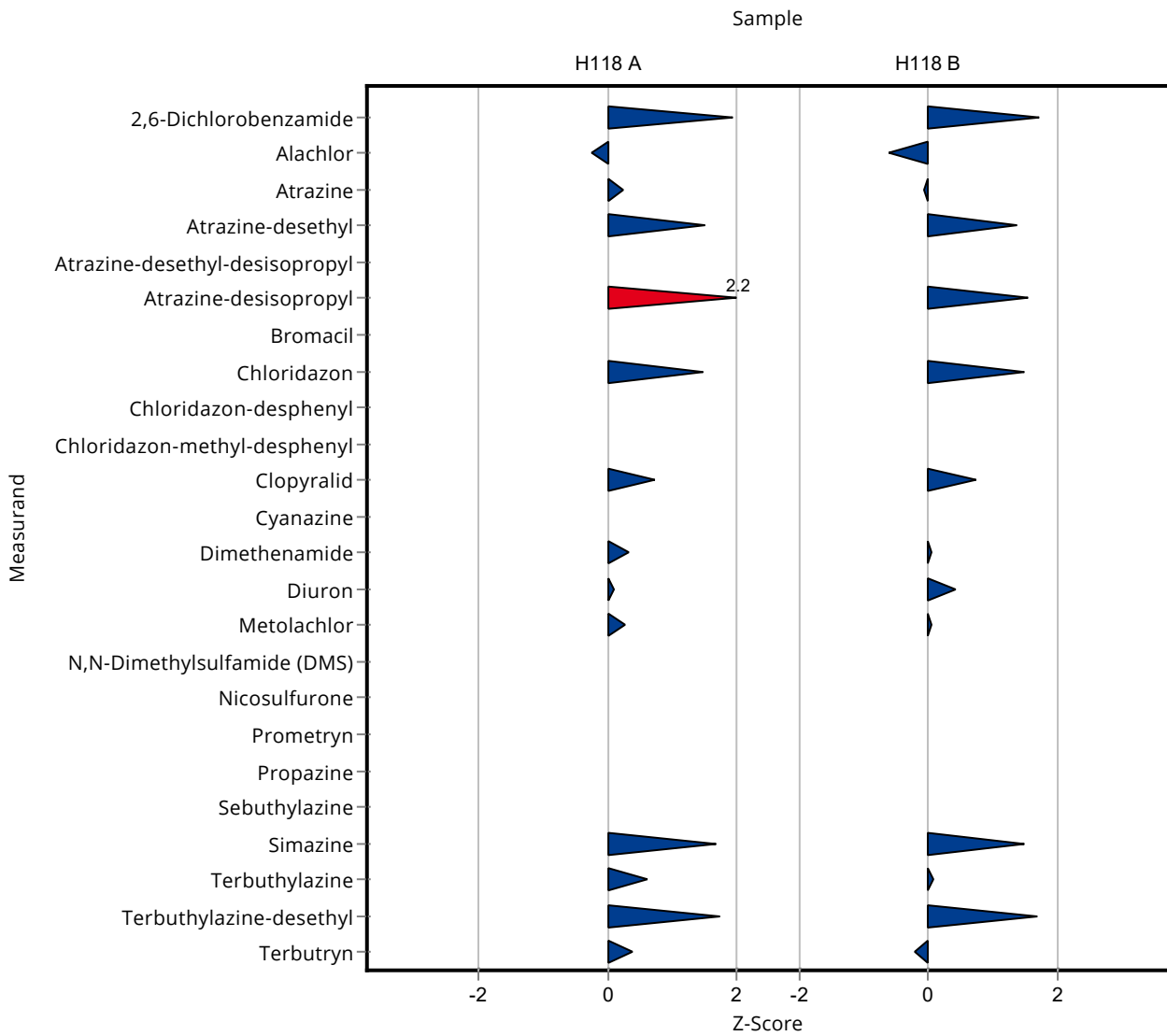
Sample: H118A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
2,6-Dichlorobenzamide	µg/l	0.936 ± 0.0508	1.21 ± 0.21	0.14	129	1.95
Alachlor	µg/l	0.646 ± 0.0421	0.627 ± 0.094	0.0775	97	-0.25
Atrazine	µg/l	0.605 ± 0.0286	0.622 ± 0.078	0.0666	103	0.25
Atrazine-desethyl	µg/l	0.449 ± 0.0244	0.531 ± 0.08	0.0539	118	1.52
Atrazine-desethyl-desisopropyl	µg/l	- ± -	- ± -	-	-	-
Atrazine-desisopropyl	µg/l	0.292 ± 0.0132	0.382 ± 0.076	0.0409	131	2.20
Bromacil	µg/l	- ± -	- ± -	-	-	-
Chloridazon	µg/l	0.506 ± 0.0306	0.604 ± 0.091	0.0657	119	1.50
Chloridazon-desphenyl	µg/l	0.188 ± 0.022	- ± -	0.0301	-	-
Chloridazon-methyl-desphenyl	µg/l	0.585 ± 0.046	- ± -	0.076	-	-
Clopyralid	µg/l	0.486 ± 0.075	0.558 ± 0.098	0.0972	115	0.74
Cyanazine	µg/l	0.833 ± 0.0363	- ± -	0.117	-	-
Dimethenamide	µg/l	0.651 ± 0.045	0.672 ± 0.101	0.0651	103	0.33
Diuron	µg/l	0.535 ± 0.0265	0.541 ± 0.081	0.0695	101	0.09
Metolachlor	µg/l	0.623 ± 0.0267	0.648 ± 0.097	0.0934	104	0.27
N,N-Dimethylsulfamide (DMS)	µg/l	- ± -	- ± -	-	-	-
Nicosulfurone	µg/l	- ± -	- ± -	-	-	-
Prometryn	µg/l	0.505 ± 0.0111	- ± -	0.0656	-	-
Propazine	µg/l	0.349 ± 0.0189	- ± -	0.0454	-	-
Sebuthylazine	µg/l	- ± -	- ± -	-	-	-
Simazine	µg/l	0.462 ± 0.0261	0.548 ± 0.082	0.0509	119	1.68
Terbuthylazine	µg/l	0.262 ± 0.0111	0.28 ± 0.035	0.0288	107	0.62
Terbuthylazine-desethyl	µg/l	0.296 ± 0.0149	0.353 ± 0.053	0.0325	119	1.76
Terbutryn	µg/l	0.628 ± 0.0228	0.652 ± 0.098	0.0628	104	0.37

Sample: H118B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
2,6-Dichlorobenzamide	µg/l	0.82 ± 0.0509	1.03 ± 0.18	0.123	126	1.71
Alachlor	µg/l	0.822 ± 0.0302	0.76 ± 0.114	0.0986	92.5	-0.63
Atrazine	µg/l	0.837 ± 0.0256	0.83 ± 0.104	0.0921	99.2	-0.08

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Atrazine-desethyl	µg/l	0.796 ± 0.0375	0.927 ± 0.139	0.0955	116	1.37
Atrazine-desethyl-desisopropyl	µg/l	- ± -	- ± -	-	-	-
Atrazine-desisopropyl	µg/l	0.689 ± 0.0457	0.838 ± 0.168	0.0964	122	1.55
Bromacil	µg/l	- ± -	- ± -	-	-	-
Chloridazon	µg/l	0.511 ± 0.03	0.61 ± 0.091	0.0664	119	1.50
Chloridazon-desphenyl	µg/l	0.316 ± 0.0166	- ± -	0.0348	-	-
Chloridazon-methyl-desphenyl	µg/l	0.582 ± 0.029	- ± -	0.0756	-	-
Clopyralid	µg/l	0.806 ± 0.12	0.926 ± 0.162	0.161	115	0.74
Cyanazine	µg/l	0.538 ± 0.0254	- ± -	0.0754	-	-
Dimethenamide	µg/l	0.983 ± 0.0996	0.99 ± 0.148	0.148	101	0.05
Diuron	µg/l	0.509 ± 0.0283	0.538 ± 0.081	0.0662	106	0.43
Metolachlor	µg/l	0.779 ± 0.0345	0.784 ± 0.118	0.117	101	0.04
N,N-Dimethylsulfamide (DMS)	µg/l	0.632 ± 0.136	- ± -	0.164	-	-
Nicosulfurone	µg/l	- ± -	- ± -	-	-	-
Prometryn	µg/l	0.732 ± 0.0216	- ± -	0.0952	-	-
Propazine	µg/l	0.568 ± 0.0414	- ± -	0.0739	-	-
Sebuthylazine	µg/l	0.709 ± 0.0233	- ± -	0.066	-	-
Simazine	µg/l	0.557 ± 0.0263	0.648 ± 0.097	0.0613	116	1.48
Terbuthylazine	µg/l	0.515 ± 0.0163	0.52 ± 0.065	0.0567	101	0.08
Terbuthylazine-desethyl	µg/l	0.597 ± 0.0361	0.708 ± 0.106	0.0656	119	1.70
Terbutryn	µg/l	0.332 ± 0.0175	0.325 ± 0.049	0.0332	97.9	-0.21



Sample: H118A

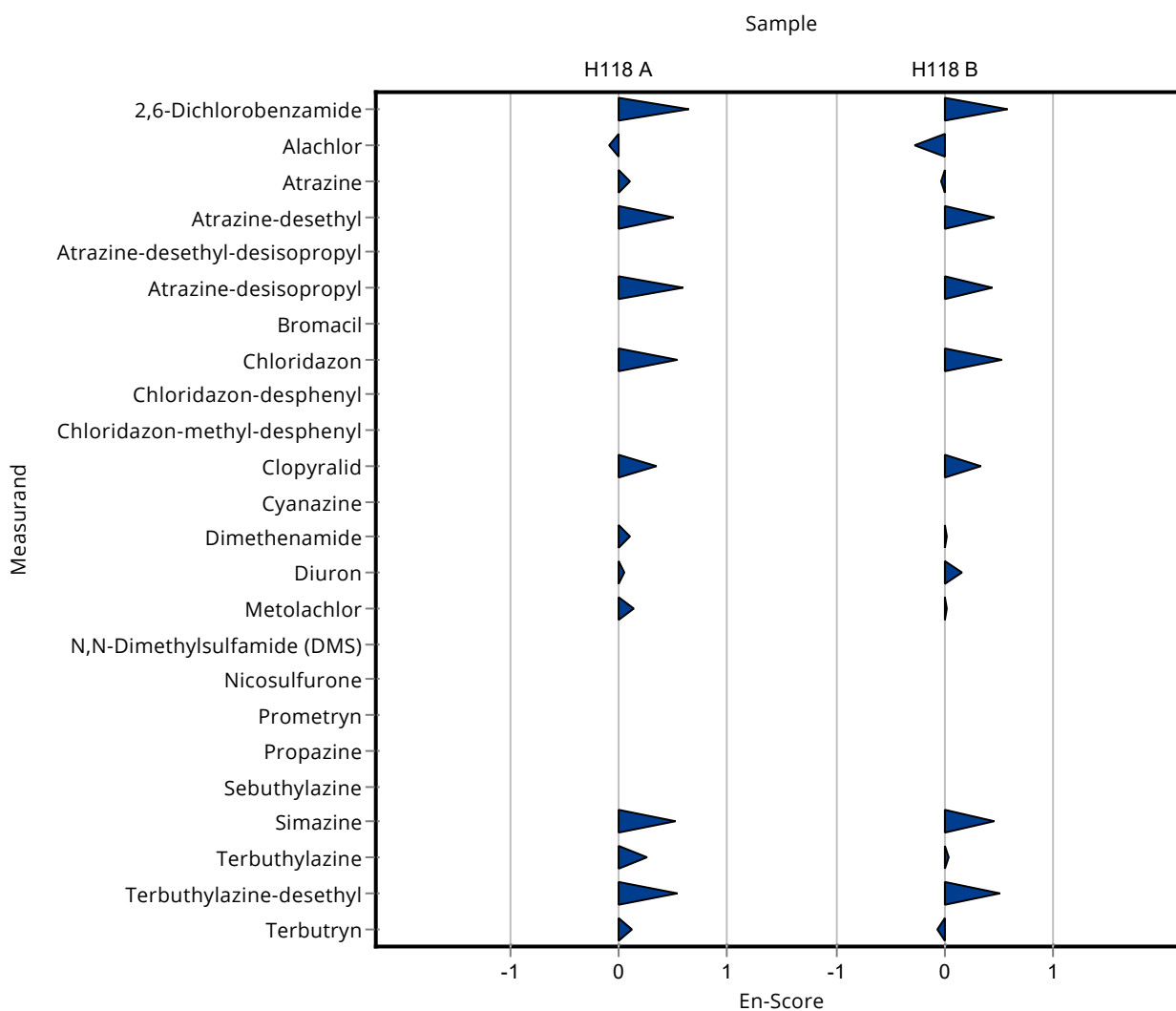
Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
2,6-Dichlorobenzamide	µg/l	0.936 ± 0.0508	1.21 ± 0.21	0.14	129	0.65
Alachlor	µg/l	0.646 ± 0.0421	0.627 ± 0.094	0.0775	97	-0.10
Atrazine	µg/l	0.605 ± 0.0286	0.622 ± 0.078	0.0666	103	0.11
Atrazine-desethyl	µg/l	0.449 ± 0.0244	0.531 ± 0.08	0.0539	118	0.51
Atrazine-desethyl-desisopropyl	µg/l	- ± -	- ± -	-	-	-
Atrazine-desisopropyl	µg/l	0.292 ± 0.0132	0.382 ± 0.076	0.0409	131	0.59
Bromacil	µg/l	- ± -	- ± -	-	-	-
Chloridazon	µg/l	0.506 ± 0.0306	0.604 ± 0.091	0.0657	119	0.53
Chloridazon-desphenyl	µg/l	0.188 ± 0.022	- ± -	0.0301	-	-
Chloridazon-methyl-desphenyl	µg/l	0.585 ± 0.046	- ± -	0.076	-	-
Clopyralid	µg/l	0.486 ± 0.075	0.558 ± 0.098	0.0972	115	0.34
Cyanazine	µg/l	0.833 ± 0.0363	- ± -	0.117	-	-
Dimethenamide	µg/l	0.651 ± 0.045	0.672 ± 0.101	0.0651	103	0.10
Diuron	µg/l	0.535 ± 0.0265	0.541 ± 0.081	0.0695	101	0.04
Metolachlor	µg/l	0.623 ± 0.0267	0.648 ± 0.097	0.0934	104	0.13
N,N-Dimethylsulfamide (DMS)	µg/l	- ± -	- ± -	-	-	-
Nicosulfurone	µg/l	- ± -	- ± -	-	-	-
Prometryn	µg/l	0.505 ± 0.0111	- ± -	0.0656	-	-
Propazine	µg/l	0.349 ± 0.0189	- ± -	0.0454	-	-
Sebuthylazine	µg/l	- ± -	- ± -	-	-	-
Simazine	µg/l	0.462 ± 0.0261	0.548 ± 0.082	0.0509	119	0.52
Terbuthylazine	µg/l	0.262 ± 0.0111	0.28 ± 0.035	0.0288	107	0.25
Terbuthylazine-desethyl	µg/l	0.296 ± 0.0149	0.353 ± 0.053	0.0325	119	0.53

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Terbutryn	µg/l	0.628 ± 0.0228	0.652 ± 0.098	0.0628	104	0.12

Sample: H118B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
2,6-Dichlorobenzamide	µg/l	0.82 ± 0.0509	1.03 ± 0.18	0.123	126	0.58
Alachlor	µg/l	0.822 ± 0.0302	0.76 ± 0.114	0.0986	92.5	-0.27
Atrazine	µg/l	0.837 ± 0.0256	0.83 ± 0.104	0.0921	99.2	-0.03
Atrazine-desethyl	µg/l	0.796 ± 0.0375	0.927 ± 0.139	0.0955	116	0.47
Atrazine-desethyl-desisopropyl	µg/l	- ± -	- ± -	-	-	-
Atrazine-desisopropyl	µg/l	0.689 ± 0.0457	0.838 ± 0.168	0.0964	122	0.44
Bromacil	µg/l	- ± -	- ± -	-	-	-
Chloridazon	µg/l	0.511 ± 0.03	0.61 ± 0.091	0.0664	119	0.54
Chloridazon-desphenyl	µg/l	0.316 ± 0.0166	- ± -	0.0348	-	-
Chloridazon-methyl-desphenyl	µg/l	0.582 ± 0.029	- ± -	0.0756	-	-
Clopyralid	µg/l	0.806 ± 0.12	0.926 ± 0.162	0.161	115	0.35
Cyanazine	µg/l	0.538 ± 0.0254	- ± -	0.0754	-	-
Dimethenamide	µg/l	0.983 ± 0.0996	0.99 ± 0.148	0.148	101	0.02
Diuron	µg/l	0.509 ± 0.0283	0.538 ± 0.081	0.0662	106	0.17
Metolachlor	µg/l	0.779 ± 0.0345	0.784 ± 0.118	0.117	101	0.02
N,N-Dimethylsulfamide (DMS)	µg/l	0.632 ± 0.136	- ± -	0.164	-	-
Nicosulfurone	µg/l	- ± -	- ± -	-	-	-
Prometryn	µg/l	0.732 ± 0.0216	- ± -	0.0952	-	-
Propazine	µg/l	0.568 ± 0.0414	- ± -	0.0739	-	-
Sebuthylazine	µg/l	0.709 ± 0.0233	- ± -	0.066	-	-
Simazine	µg/l	0.557 ± 0.0263	0.648 ± 0.097	0.0613	116	0.46

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion Recovery	En-Score
				[%]	
Terbutylazine	µg/l	0.515 ± 0.0163	0.52 ± 0.065	0.0567	101
Terbutylazine-desethyl	µg/l	0.597 ± 0.0361	0.708 ± 0.106	0.0656	119
Terbutryn	µg/l	0.332 ± 0.0175	0.325 ± 0.049	0.0332	97.9



Sample: H118A

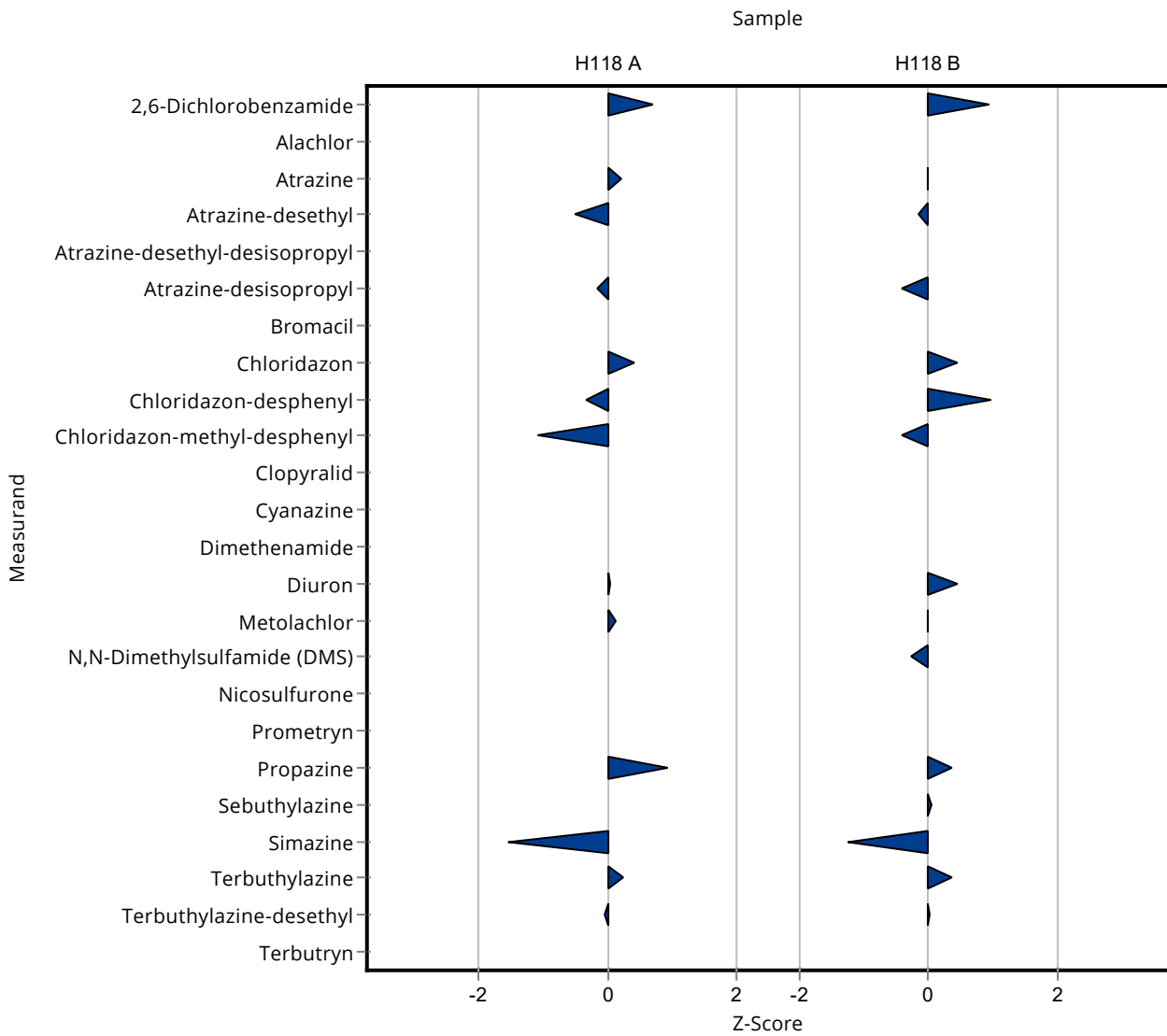
Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
2,6-Dichlorobenzamide	µg/l	0.936 ± 0.0508	1.036 ± 0.424	0.14	111	0.71
Alachlor	µg/l	0.646 ± 0.0421	- ± -	0.0775	-	-
Atrazine	µg/l	0.605 ± 0.0286	0.619 ± 0.16	0.0666	102	0.21
Atrazine-desethyl	µg/l	0.449 ± 0.0244	0.421 ± 0.1	0.0539	93.8	-0.52
Atrazine-desethyl-desisopropyl	µg/l	- ± -	- ± -	-	-	-
Atrazine-desisopropyl	µg/l	0.292 ± 0.0132	0.285 ± 0.07	0.0409	97.6	-0.17
Bromacil	µg/l	- ± -	- ± -	-	-	-
Chloridazon	µg/l	0.506 ± 0.0306	0.5332 ± 0.2842	0.0657	105	0.42
Chloridazon-desphenyl	µg/l	0.188 ± 0.022	0.1785 ± 0.0557	0.0301	94.8	-0.33
Chloridazon-methyl-desphenyl	µg/l	0.585 ± 0.046	0.5013 ± 0.3811	0.076	85.7	-1.10
Clopyralid	µg/l	0.486 ± 0.075	- ± -	0.0972	-	-
Cyanazine	µg/l	0.833 ± 0.0363	- ± -	0.117	-	-
Dimethenamide	µg/l	0.651 ± 0.045	- ± -	0.0651	-	-
Diuron	µg/l	0.535 ± 0.0265	0.537 ± 0.105	0.0695	100	0.03
Metolachlor	µg/l	0.623 ± 0.0267	0.636 ± 0.2936	0.0934	102	0.14
N,N-Dimethylsulfamide (DMS)	µg/l	- ± -	0.9047 ± 0.6163	-	-	-
Nicosulfurone	µg/l	- ± -	- ± -	-	-	-
Prometryn	µg/l	0.505 ± 0.0111	- ± -	0.0656	-	-
Propazine	µg/l	0.349 ± 0.0189	0.392 ± 0.1	0.0454	112	0.94
Sebuthylazine	µg/l	- ± -	<0.05 (LOQ) ± -	-	-	-
Simazine	µg/l	0.462 ± 0.0261	0.383 ± 0.104	0.0509	82.8	-1.56
Terbuthylazine	µg/l	0.262 ± 0.0111	0.269 ± 0.078	0.0288	103	0.24
Terbuthylazine-desethyl	µg/l	0.296 ± 0.0149	0.294 ± 0.073	0.0325	99.4	-0.06
Terbutryn	µg/l	0.628 ± 0.0228	- ± -	0.0628	-	-

Sample: H118B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
2,6-Dichlorobenzamide	µg/l	0.82 ± 0.0509	0.935 ± 0.382	0.123	114	0.94
Alachlor	µg/l	0.822 ± 0.0302	- ± -	0.0986	-	-
Atrazine	µg/l	0.837 ± 0.0256	0.837 ± 0.217	0.0921	100	0.00



Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Atrazine-desethyl	µg/l	0.796 ± 0.0375	0.78 ± 0.185	0.0955	98	-0.17
Atrazine-desethyl-desisopropyl	µg/l	- ± -	- ± -	-	-	-
Atrazine-desisopropyl	µg/l	0.689 ± 0.0457	0.648 ± 0.158	0.0964	94.1	-0.42
Bromacil	µg/l	- ± -	- ± -	-	-	-
Chloridazon	µg/l	0.511 ± 0.03	0.5401 ± 0.2879	0.0664	106	0.44
Chloridazon-desphenyl	µg/l	0.316 ± 0.0166	0.3499 ± 0.1093	0.0348	111	0.96
Chloridazon-methyl-desphenyl	µg/l	0.582 ± 0.029	0.5505 ± 0.4185	0.0756	94.7	-0.41
Clopyralid	µg/l	0.806 ± 0.12	- ± -	0.161	-	-
Cyanazine	µg/l	0.538 ± 0.0254	- ± -	0.0754	-	-
Dimethenamide	µg/l	0.983 ± 0.0996	- ± -	0.148	-	-
Diuron	µg/l	0.509 ± 0.0283	0.539 ± 0.105	0.0662	106	0.45
Metolachlor	µg/l	0.779 ± 0.0345	0.7778 ± 0.3591	0.117	99.8	-0.01
N,N-Dimethylsulfamide (DMS)	µg/l	0.632 ± 0.136	0.5868 ± 0.3997	0.164	92.9	-0.27
Nicosulfurone	µg/l	- ± -	- ± -	-	-	-
Prometryn	µg/l	0.732 ± 0.0216	- ± -	0.0952	-	-
Propazine	µg/l	0.568 ± 0.0414	0.596 ± 0.153	0.0739	105	0.37
Sebuthylazine	µg/l	0.709 ± 0.0233	0.712 ± 0.193	0.066	100	0.04
Simazine	µg/l	0.557 ± 0.0263	0.481 ± 0.131	0.0613	86.3	-1.24
Terbuthylazine	µg/l	0.515 ± 0.0163	0.536 ± 0.157	0.0567	104	0.36
Terbuthylazine-desethyl	µg/l	0.597 ± 0.0361	0.598 ± 0.149	0.0656	100	0.02
Terbutryn	µg/l	0.332 ± 0.0175	- ± -	0.0332	-	-



Sample: H118A

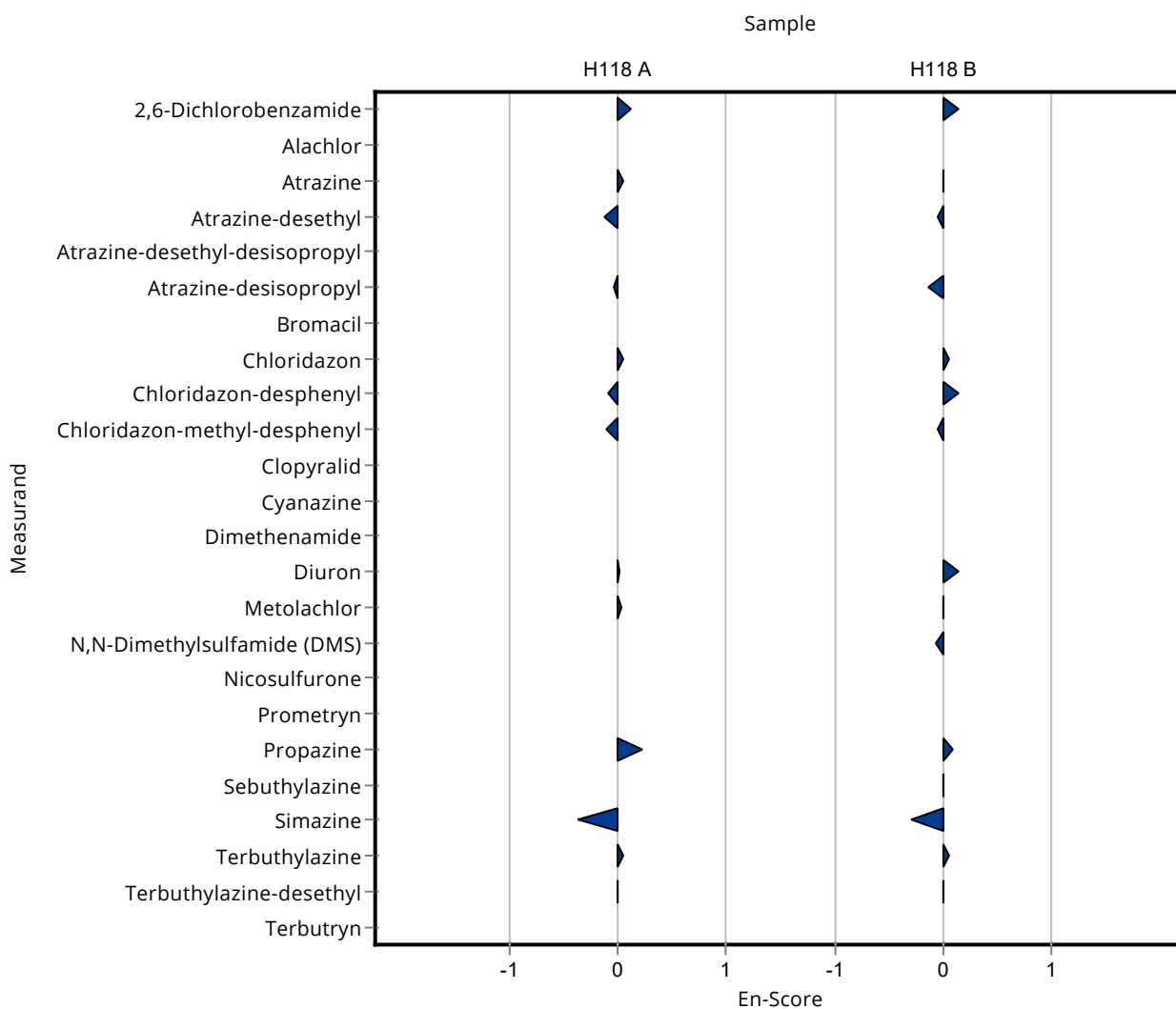
Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
2,6-Dichlorobenzamide	µg/l	0.936 ± 0.0508	1.036 ± 0.424	0.14	111	0.12
Alachlor	µg/l	0.646 ± 0.0421	- ± -	0.0775	-	-
Atrazine	µg/l	0.605 ± 0.0286	0.619 ± 0.16	0.0666	102	0.04
Atrazine-desethyl	µg/l	0.449 ± 0.0244	0.421 ± 0.1	0.0539	93.8	-0.14
Atrazine-desethyl-desisopropyl	µg/l	- ± -	- ± -	-	-	-
Atrazine-desisopropyl	µg/l	0.292 ± 0.0132	0.285 ± 0.07	0.0409	97.6	-0.05
Bromacil	µg/l	- ± -	- ± -	-	-	-
Chloridazon	µg/l	0.506 ± 0.0306	0.5332 ± 0.2842	0.0657	105	0.05
Chloridazon-desphenyl	µg/l	0.188 ± 0.022	0.1785 ± 0.0557	0.0301	94.8	-0.09
Chloridazon-methyl-desphenyl	µg/l	0.585 ± 0.046	0.5013 ± 0.3811	0.076	85.7	-0.11
Clopyralid	µg/l	0.486 ± 0.075	- ± -	0.0972	-	-
Cyanazine	µg/l	0.833 ± 0.0363	- ± -	0.117	-	-
Dimethenamide	µg/l	0.651 ± 0.045	- ± -	0.0651	-	-
Diuron	µg/l	0.535 ± 0.0265	0.537 ± 0.105	0.0695	100	0.01
Metolachlor	µg/l	0.623 ± 0.0267	0.636 ± 0.2936	0.0934	102	0.02
N,N-Dimethylsulfamide (DMS)	µg/l	- ± -	0.9047 ± 0.6163	-	-	-
Nicosulfurone	µg/l	- ± -	- ± -	-	-	-
Prometryn	µg/l	0.505 ± 0.0111	- ± -	0.0656	-	-
Propazine	µg/l	0.349 ± 0.0189	0.392 ± 0.1	0.0454	112	0.21
Sebuthylazine	µg/l	- ± -	<0.05 (LOQ) ± -	-	-	-
Simazine	µg/l	0.462 ± 0.0261	0.383 ± 0.104	0.0509	82.8	-0.38
Terbuthylazine	µg/l	0.262 ± 0.0111	0.269 ± 0.078	0.0288	103	0.04
Terbuthylazine-desethyl	µg/l	0.296 ± 0.0149	0.294 ± 0.073	0.0325	99.4	-0.01

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Terbutryn	µg/l	0.628 ± 0.0228	- ± -	0.0628	-	-

## Sample: H118B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
2,6-Dichlorobenzamide	µg/l	0.82 ± 0.0509	0.935 ± 0.382	0.123	114	0.15
Alachlor	µg/l	0.822 ± 0.0302	- ± -	0.0986	-	-
Atrazine	µg/l	0.837 ± 0.0256	0.837 ± 0.217	0.0921	100	0.00
Atrazine-desethyl	µg/l	0.796 ± 0.0375	0.78 ± 0.185	0.0955	98	-0.04
Atrazine-desethyl-desisopropyl	µg/l	- ± -	- ± -	-	-	-
Atrazine-desisopropyl	µg/l	0.689 ± 0.0457	0.648 ± 0.158	0.0964	94.1	-0.13
Bromacil	µg/l	- ± -	- ± -	-	-	-
Chloridazon	µg/l	0.511 ± 0.03	0.5401 ± 0.2879	0.0664	106	0.05
Chloridazon-desphenyl	µg/l	0.316 ± 0.0166	0.3499 ± 0.1093	0.0348	111	0.15
Chloridazon-methyl-desphenyl	µg/l	0.582 ± 0.029	0.5505 ± 0.4185	0.0756	94.7	-0.04
Clopyralid	µg/l	0.806 ± 0.12	- ± -	0.161	-	-
Cyanazine	µg/l	0.538 ± 0.0254	- ± -	0.0754	-	-
Dimethenamide	µg/l	0.983 ± 0.0996	- ± -	0.148	-	-
Diuron	µg/l	0.509 ± 0.0283	0.539 ± 0.105	0.0662	106	0.14
Metolachlor	µg/l	0.779 ± 0.0345	0.7778 ± 0.3591	0.117	99.8	0.00
N,N-Dimethylsulfamide (DMS)	µg/l	0.632 ± 0.136	0.5868 ± 0.3997	0.164	92.9	-0.06
Nicosulfurone	µg/l	- ± -	- ± -	-	-	-
Prometryn	µg/l	0.732 ± 0.0216	- ± -	0.0952	-	-
Propazine	µg/l	0.568 ± 0.0414	0.596 ± 0.153	0.0739	105	0.09
Sebuthylazine	µg/l	0.709 ± 0.0233	0.712 ± 0.193	0.066	100	0.01
Simazine	µg/l	0.557 ± 0.0263	0.481 ± 0.131	0.0613	86.3	-0.29

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion Recovery	En-Score
				[%]	
Terbuthylazine	µg/l	0.515 ± 0.0163	0.536 ± 0.157	0.0567	104
Terbuthylazine-desethyl	µg/l	0.597 ± 0.0361	0.598 ± 0.149	0.0656	100
Terbutryn	µg/l	0.332 ± 0.0175	- ± -	0.0332	-



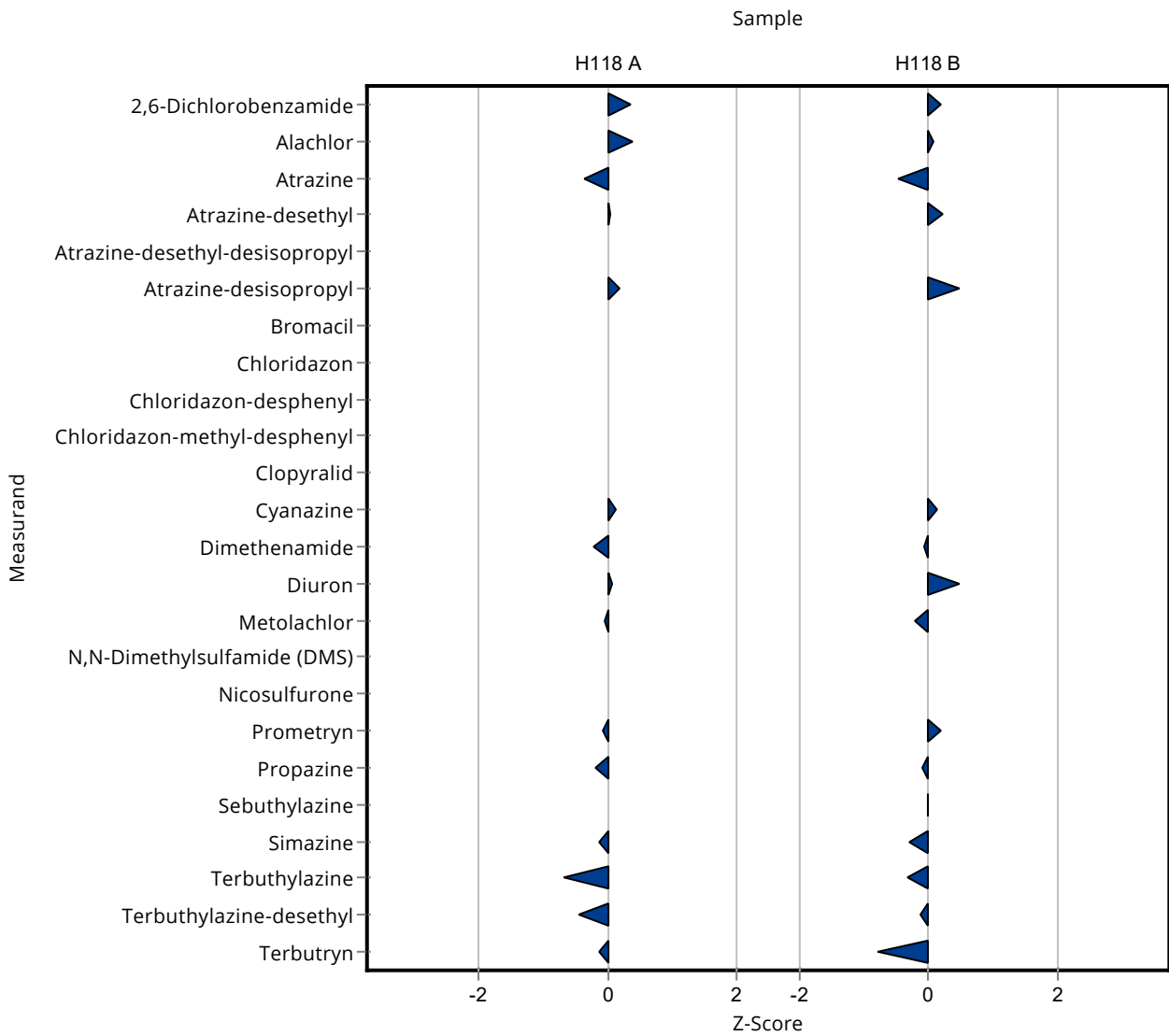
Sample: H118A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
2,6-Dichlorobenzamide	µg/l	0.936 ± 0.0508	0.987 ± 0.2	0.14	105	0.36
Alachlor	µg/l	0.646 ± 0.0421	0.677 ± 0.14	0.0775	105	0.40
Atrazine	µg/l	0.605 ± 0.0286	0.582 ± 0.087	0.0666	96.1	-0.35
Atrazine-desethyl	µg/l	0.449 ± 0.0244	0.451 ± 0.068	0.0539	100	0.04
Atrazine-desethyl-desisopropyl	µg/l	- ± -	- ± -	-	-	-
Atrazine-desisopropyl	µg/l	0.292 ± 0.0132	0.3 ± 0.045	0.0409	103	0.19
Bromacil	µg/l	- ± -	0.459 ± 0.092	-	-	-
Chloridazon	µg/l	0.506 ± 0.0306	- ± -	0.0657	-	-
Chloridazon-desphenyl	µg/l	0.188 ± 0.022	- ± -	0.0301	-	-
Chloridazon-methyl-desphenyl	µg/l	0.585 ± 0.046	- ± -	0.076	-	-
Clopyralid	µg/l	0.486 ± 0.075	- ± -	0.0972	-	-
Cyanazine	µg/l	0.833 ± 0.0363	0.849 ± 0.17	0.117	102	0.13
Dimethenamide	µg/l	0.651 ± 0.045	0.636 ± 0.13	0.0651	97.7	-0.23
Diuron	µg/l	0.535 ± 0.0265	0.54 ± 0.081	0.0695	101	0.08
Metolachlor	µg/l	0.623 ± 0.0267	0.618 ± 0.093	0.0934	99.2	-0.05
N,N-Dimethylsulfamide (DMS)	µg/l	- ± -	- ± -	-	-	-
Nicosulfurone	µg/l	- ± -	0.44 ± 0.11	-	-	-
Prometryn	µg/l	0.505 ± 0.0111	0.5 ± 0.1	0.0656	99.1	-0.07
Propazine	µg/l	0.349 ± 0.0189	0.34 ± 0.068	0.0454	97.3	-0.21
Sebuthylazine	µg/l	- ± -	<0.03 (LOQ) ± -	-	-	-
Simazine	µg/l	0.462 ± 0.0261	0.456 ± 0.091	0.0509	98.6	-0.13
Terbuthylazine	µg/l	0.262 ± 0.0111	0.242 ± 0.048	0.0288	92.3	-0.70
Terbuthylazine-desethyl	µg/l	0.296 ± 0.0149	0.281 ± 0.056	0.0325	95	-0.46
Terbutryn	µg/l	0.628 ± 0.0228	0.621 ± 0.12	0.0628	98.8	-0.12

Sample: H118B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
2,6-Dichlorobenzamide	µg/l	0.82 ± 0.0509	0.842 ± 0.17	0.123	103	0.18
Alachlor	µg/l	0.822 ± 0.0302	0.828 ± 0.17	0.0986	101	0.06
Atrazine	µg/l	0.837 ± 0.0256	0.793 ± 0.12	0.0921	94.7	-0.48

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Atrazine-desethyl	µg/l	0.796 ± 0.0375	0.816 ± 0.12	0.0955	102	0.21
Atrazine-desethyl-desisopropyl	µg/l	- ± -	- ± -	-	-	-
Atrazine-desisopropyl	µg/l	0.689 ± 0.0457	0.735 ± 0.11	0.0964	107	0.48
Bromacil	µg/l	- ± -	0.964 ± 0.19	-	-	-
Chloridazon	µg/l	0.511 ± 0.03	- ± -	0.0664	-	-
Chloridazon-desphenyl	µg/l	0.316 ± 0.0166	- ± -	0.0348	-	-
Chloridazon-methyl-desphenyl	µg/l	0.582 ± 0.029	- ± -	0.0756	-	-
Clopyralid	µg/l	0.806 ± 0.12	- ± -	0.161	-	-
Cyanazine	µg/l	0.538 ± 0.0254	0.549 ± 0.11	0.0754	102	0.14
Dimethenamide	µg/l	0.983 ± 0.0996	0.973 ± 0.19	0.148	98.9	-0.07
Diuron	µg/l	0.509 ± 0.0283	0.541 ± 0.081	0.0662	106	0.48
Metolachlor	µg/l	0.779 ± 0.0345	0.755 ± 0.11	0.117	96.9	-0.21
N,N-Dimethylsulfamide (DMS)	µg/l	0.632 ± 0.136	- ± -	0.164	-	-
Nicosulfurone	µg/l	- ± -	0.703 ± 0.14	-	-	-
Prometryn	µg/l	0.732 ± 0.0216	0.75 ± 0.15	0.0952	102	0.19
Propazine	µg/l	0.568 ± 0.0414	0.561 ± 0.11	0.0739	98.7	-0.10
Sebuthylazine	µg/l	0.709 ± 0.0233	0.708 ± 0.14	0.066	99.8	-0.02
Simazine	µg/l	0.557 ± 0.0263	0.538 ± 0.11	0.0613	96.6	-0.31
Terbuthylazine	µg/l	0.515 ± 0.0163	0.497 ± 0.099	0.0567	96.4	-0.32
Terbuthylazine-desethyl	µg/l	0.597 ± 0.0361	0.588 ± 0.12	0.0656	98.6	-0.13
Terbutryn	µg/l	0.332 ± 0.0175	0.306 ± 0.061	0.0332	92.2	-0.78





## Sample: H118A

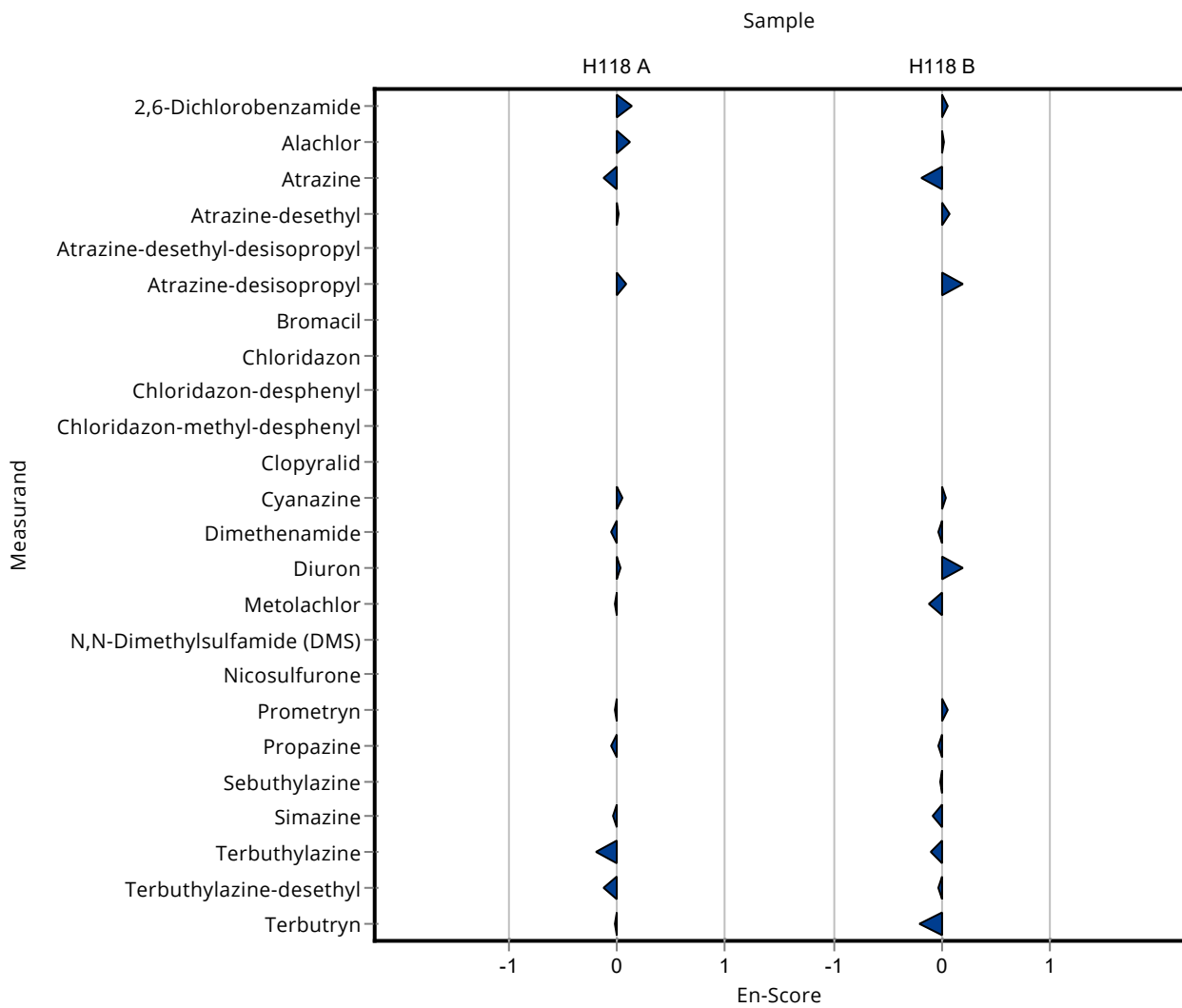
Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
2,6-Dichlorobenzamide	µg/l	0.936 ± 0.0508	0.987 ± 0.2	0.14	105	0.13
Alachlor	µg/l	0.646 ± 0.0421	0.677 ± 0.14	0.0775	105	0.11
Atrazine	µg/l	0.605 ± 0.0286	0.582 ± 0.087	0.0666	96.1	-0.13
Atrazine-desethyl	µg/l	0.449 ± 0.0244	0.451 ± 0.068	0.0539	100	0.02
Atrazine-desethyl-desisopropyl	µg/l	- ± -	- ± -	-	-	-
Atrazine-desisopropyl	µg/l	0.292 ± 0.0132	0.3 ± 0.045	0.0409	103	0.09
Bromacil	µg/l	- ± -	0.459 ± 0.092	-	-	-
Chloridazon	µg/l	0.506 ± 0.0306	- ± -	0.0657	-	-
Chloridazon-desphenyl	µg/l	0.188 ± 0.022	- ± -	0.0301	-	-
Chloridazon-methyl-desphenyl	µg/l	0.585 ± 0.046	- ± -	0.076	-	-
Clopyralid	µg/l	0.486 ± 0.075	- ± -	0.0972	-	-
Cyanazine	µg/l	0.833 ± 0.0363	0.849 ± 0.17	0.117	102	0.05
Dimethenamide	µg/l	0.651 ± 0.045	0.636 ± 0.13	0.0651	97.7	-0.06
Diuron	µg/l	0.535 ± 0.0265	0.54 ± 0.081	0.0695	101	0.03
Metolachlor	µg/l	0.623 ± 0.0267	0.618 ± 0.093	0.0934	99.2	-0.03
N,N-Dimethylsulfamide (DMS)	µg/l	- ± -	- ± -	-	-	-
Nicosulfurone	µg/l	- ± -	0.44 ± 0.11	-	-	-
Prometryn	µg/l	0.505 ± 0.0111	0.5 ± 0.1	0.0656	99.1	-0.02
Propazine	µg/l	0.349 ± 0.0189	0.34 ± 0.068	0.0454	97.3	-0.07
Sebuthylazine	µg/l	- ± -	<0.03 (LOQ) ± -	-	-	-
Simazine	µg/l	0.462 ± 0.0261	0.456 ± 0.091	0.0509	98.6	-0.03
Terbuthylazine	µg/l	0.262 ± 0.0111	0.242 ± 0.048	0.0288	92.3	-0.21
Terbuthylazine-desethyl	µg/l	0.296 ± 0.0149	0.281 ± 0.056	0.0325	95	-0.13

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Terbutryn	µg/l	0.628 ± 0.0228	0.621 ± 0.12	0.0628	98.8	-0.03

Sample: H118B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
2,6-Dichlorobenzamide	µg/l	0.82 ± 0.0509	0.842 ± 0.17	0.123	103	0.06
Alachlor	µg/l	0.822 ± 0.0302	0.828 ± 0.17	0.0986	101	0.02
Atrazine	µg/l	0.837 ± 0.0256	0.793 ± 0.12	0.0921	94.7	-0.18
Atrazine-desethyl	µg/l	0.796 ± 0.0375	0.816 ± 0.12	0.0955	102	0.08
Atrazine-desethyl-desisopropyl	µg/l	- ± -	- ± -	-	-	-
Atrazine-desisopropyl	µg/l	0.689 ± 0.0457	0.735 ± 0.11	0.0964	107	0.21
Bromacil	µg/l	- ± -	0.964 ± 0.19	-	-	-
Chloridazon	µg/l	0.511 ± 0.03	- ± -	0.0664	-	-
Chloridazon-desphenyl	µg/l	0.316 ± 0.0166	- ± -	0.0348	-	-
Chloridazon-methyl-desphenyl	µg/l	0.582 ± 0.029	- ± -	0.0756	-	-
Clopyralid	µg/l	0.806 ± 0.12	- ± -	0.161	-	-
Cyanazine	µg/l	0.538 ± 0.0254	0.549 ± 0.11	0.0754	102	0.05
Dimethenamide	µg/l	0.983 ± 0.0996	0.973 ± 0.19	0.148	98.9	-0.03
Diuron	µg/l	0.509 ± 0.0283	0.541 ± 0.081	0.0662	106	0.19
Metolachlor	µg/l	0.779 ± 0.0345	0.755 ± 0.11	0.117	96.9	-0.11
N,N-Dimethylsulfamide (DMS)	µg/l	0.632 ± 0.136	- ± -	0.164	-	-
Nicosulfurone	µg/l	- ± -	0.703 ± 0.14	-	-	-
Prometryn	µg/l	0.732 ± 0.0216	0.75 ± 0.15	0.0952	102	0.06
Propazine	µg/l	0.568 ± 0.0414	0.561 ± 0.11	0.0739	98.7	-0.03
Sebuthylazine	µg/l	0.709 ± 0.0233	0.708 ± 0.14	0.066	99.8	-0.01
Simazine	µg/l	0.557 ± 0.0263	0.538 ± 0.11	0.0613	96.6	-0.09

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion Recovery	En-Score
				[%]	
Terbuthylazine	µg/l	0.515 ± 0.0163	0.497 ± 0.099	0.0567	96.4 -0.09
Terbuthylazine-desethyl	µg/l	0.597 ± 0.0361	0.588 ± 0.12	0.0656	98.6 -0.04
Terbutryn	µg/l	0.332 ± 0.0175	0.306 ± 0.061	0.0332	92.2 -0.21



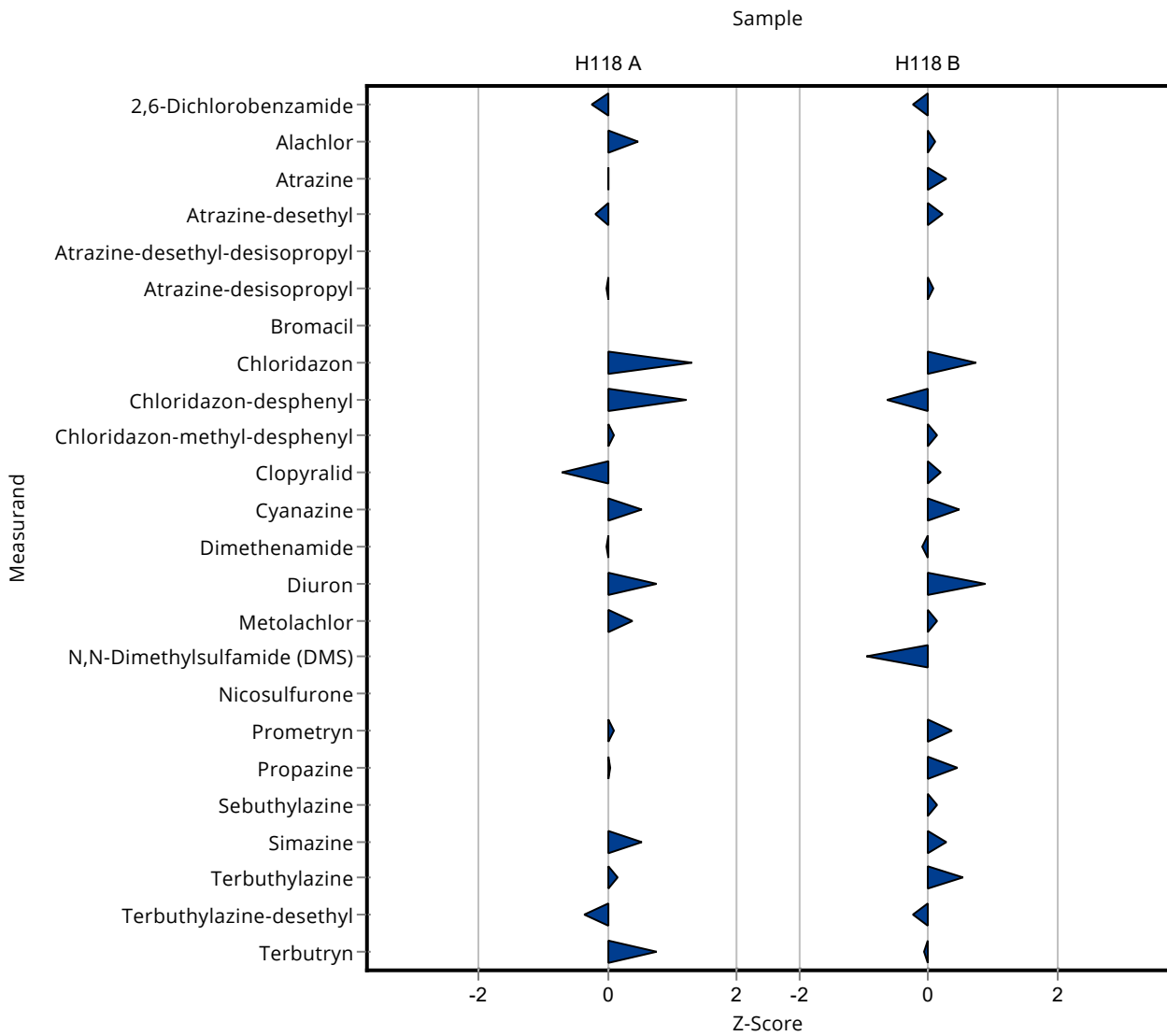
Sample: H118A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
2,6-Dichlorobenzamide	µg/l	0.936 ± 0.0508	0.902 ± 0.029	0.14	96.4	-0.24
Alachlor	µg/l	0.646 ± 0.0421	0.682 ± 0.037	0.0775	106	0.46
Atrazine	µg/l	0.605 ± 0.0286	0.606 ± 0.029	0.0666	100	0.01
Atrazine-desethyl	µg/l	0.449 ± 0.0244	0.438 ± 0.011	0.0539	97.6	-0.20
Atrazine-desethyl-desisopropyl	µg/l	- ± -	0.293 ± 0.009	-	-	-
Atrazine-desisopropyl	µg/l	0.292 ± 0.0132	0.291 ± 0.007	0.0409	99.6	-0.03
Bromacil	µg/l	- ± -	0.483 ± 0.006	-	-	-
Chloridazon	µg/l	0.506 ± 0.0306	0.592 ± 0.032	0.0657	117	1.31
Chloridazon-desphenyl	µg/l	0.188 ± 0.022	0.225 ± 0.014	0.0301	119	1.22
Chloridazon-methyl-desphenyl	µg/l	0.585 ± 0.046	0.593 ± 0.055	0.076	101	0.11
Clopyralid	µg/l	0.486 ± 0.075	0.417 ± 0.007	0.0972	85.8	-0.71
Cyanazine	µg/l	0.833 ± 0.0363	0.895 ± 0.021	0.117	107	0.53
Dimethenamide	µg/l	0.651 ± 0.045	0.65 ± 0.031	0.0651	99.9	-0.01
Diuron	µg/l	0.535 ± 0.0265	0.588 ± 0.028	0.0695	110	0.77
Metolachlor	µg/l	0.623 ± 0.0267	0.66 ± 0.02	0.0934	106	0.40
N,N-Dimethylsulfamide (DMS)	µg/l	- ± -	0.9 ± 0.034	-	-	-
Nicosulfurone	µg/l	- ± -	0.44 ± 0.002	-	-	-
Prometryn	µg/l	0.505 ± 0.0111	0.512 ± 0.012	0.0656	101	0.11
Propazine	µg/l	0.349 ± 0.0189	0.351 ± 0.007	0.0454	100	0.04
Sebuthylazine	µg/l	- ± -	<0.03 (LOQ) ± -	-	-	-
Simazine	µg/l	0.462 ± 0.0261	0.49 ± 0.004	0.0509	106	0.54
Terbuthylazine	µg/l	0.262 ± 0.0111	0.267 ± 0.005	0.0288	102	0.17
Terbuthylazine-desethyl	µg/l	0.296 ± 0.0149	0.284 ± 0.005	0.0325	96	-0.36
Terbutryn	µg/l	0.628 ± 0.0228	0.677 ± 0.004	0.0628	108	0.77

Sample: H118B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
2,6-Dichlorobenzamide	µg/l	0.82 ± 0.0509	0.789 ± 0.029	0.123	96.3	-0.25
Alachlor	µg/l	0.822 ± 0.0302	0.832 ± 0.036	0.0986	101	0.10
Atrazine	µg/l	0.837 ± 0.0256	0.863 ± 0.029	0.0921	103	0.28

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Atrazine-desethyl	µg/l	0.796 ± 0.0375	0.817 ± 0.011	0.0955	103	0.22
Atrazine-desethyl-desisopropyl	µg/l	- ± -	0.357 ± 0.01	-	-	-
Atrazine-desisopropyl	µg/l	0.689 ± 0.0457	0.695 ± 0.027	0.0964	101	0.07
Bromacil	µg/l	- ± -	1.02 ± 0.018	-	-	-
Chloridazon	µg/l	0.511 ± 0.03	0.56 ± 0.032	0.0664	110	0.74
Chloridazon-desphenyl	µg/l	0.316 ± 0.0166	0.294 ± 0.009	0.0348	92.9	-0.65
Chloridazon-methyl-desphenyl	µg/l	0.582 ± 0.029	0.591 ± 0.055	0.0756	102	0.12
Clopyralid	µg/l	0.806 ± 0.12	0.839 ± 0.026	0.161	104	0.20
Cyanazine	µg/l	0.538 ± 0.0254	0.574 ± 0.02	0.0754	107	0.47
Dimethenamide	µg/l	0.983 ± 0.0996	0.967 ± 0.031	0.148	98.3	-0.11
Diuron	µg/l	0.509 ± 0.0283	0.569 ± 0.028	0.0662	112	0.90
Metolachlor	µg/l	0.779 ± 0.0345	0.795 ± 0.02	0.117	102	0.14
N,N-Dimethylsulfamide (DMS)	µg/l	0.632 ± 0.136	0.474 ± 0.035	0.164	75	-0.96
Nicosulfurone	µg/l	- ± -	0.729 ± 0.007	-	-	-
Prometryn	µg/l	0.732 ± 0.0216	0.768 ± 0.012	0.0952	105	0.38
Propazine	µg/l	0.568 ± 0.0414	0.601 ± 0.025	0.0739	106	0.44
Sebuthylazine	µg/l	0.709 ± 0.0233	0.718 ± 0.024	0.066	101	0.13
Simazine	µg/l	0.557 ± 0.0263	0.574 ± 0.013	0.0613	103	0.27
Terbuthylazine	µg/l	0.515 ± 0.0163	0.546 ± 0.021	0.0567	106	0.54
Terbuthylazine-desethyl	µg/l	0.597 ± 0.0361	0.581 ± 0.021	0.0656	97.4	-0.24
Terbutryn	µg/l	0.332 ± 0.0175	0.33 ± 0.002	0.0332	99.4	-0.06



Sample: H118A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
2,6-Dichlorobenzamide	µg/l	0.936 ± 0.0508	0.902 ± 0.029	0.14	96.4	-0.44
Alachlor	µg/l	0.646 ± 0.0421	0.682 ± 0.037	0.0775	106	0.42
Atrazine	µg/l	0.605 ± 0.0286	0.606 ± 0.029	0.0666	100	0.01
Atrazine-desethyl	µg/l	0.449 ± 0.0244	0.438 ± 0.011	0.0539	97.6	-0.33
Atrazine-desethyl-desisopropyl	µg/l	- ± -	0.293 ± 0.009	-	-	-
Atrazine-desisopropyl	µg/l	0.292 ± 0.0132	0.291 ± 0.007	0.0409	99.6	-0.06
Bromacil	µg/l	- ± -	0.483 ± 0.006	-	-	-
Chloridazon	µg/l	0.506 ± 0.0306	0.592 ± 0.032	0.0657	117	1.22
Chloridazon-desphenyl	µg/l	0.188 ± 0.022	0.225 ± 0.014	0.0301	119	1.03
Chloridazon-methyl-desphenyl	µg/l	0.585 ± 0.046	0.593 ± 0.055	0.076	101	0.07
Clopyralid	µg/l	0.486 ± 0.075	0.417 ± 0.007	0.0972	85.8	-0.91
Cyanazine	µg/l	0.833 ± 0.0363	0.895 ± 0.021	0.117	107	1.11
Dimethenamide	µg/l	0.651 ± 0.045	0.65 ± 0.031	0.0651	99.9	-0.01
Diuron	µg/l	0.535 ± 0.0265	0.588 ± 0.028	0.0695	110	0.86
Metolachlor	µg/l	0.623 ± 0.0267	0.66 ± 0.02	0.0934	106	0.77
N,N-Dimethylsulfamide (DMS)	µg/l	- ± -	0.9 ± 0.034	-	-	-
Nicosulfurone	µg/l	- ± -	0.44 ± 0.002	-	-	-
Prometryn	µg/l	0.505 ± 0.0111	0.512 ± 0.012	0.0656	101	0.27
Propazine	µg/l	0.349 ± 0.0189	0.351 ± 0.007	0.0454	100	0.07
Sebuthylazine	µg/l	- ± -	<0.03 (LOQ) ± -	-	-	-
Simazine	µg/l	0.462 ± 0.0261	0.49 ± 0.004	0.0509	106	1.01
Terbuthylazine	µg/l	0.262 ± 0.0111	0.267 ± 0.005	0.0288	102	0.33
Terbuthylazine-desethyl	µg/l	0.296 ± 0.0149	0.284 ± 0.005	0.0325	96	-0.66

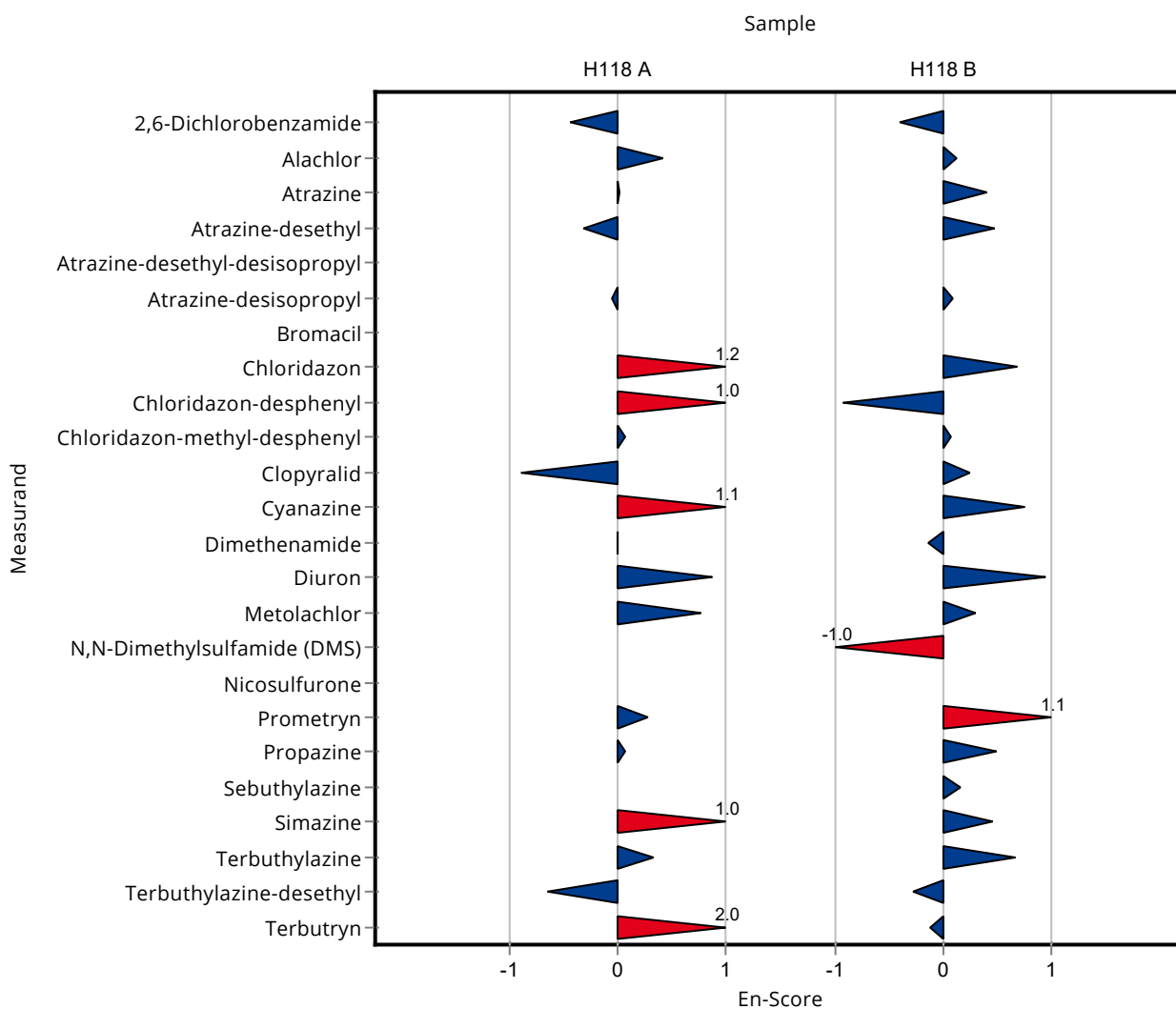
Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Terbutryn	µg/l	0.628 ± 0.0228	0.677 ± 0.004	0.0628	108	2.01

Sample: H118B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
2,6-Dichlorobenzamide	µg/l	0.82 ± 0.0509	0.789 ± 0.029	0.123	96.3	-0.40
Alachlor	µg/l	0.822 ± 0.0302	0.832 ± 0.036	0.0986	101	0.13
Atrazine	µg/l	0.837 ± 0.0256	0.863 ± 0.029	0.0921	103	0.41
Atrazine-desethyl	µg/l	0.796 ± 0.0375	0.817 ± 0.011	0.0955	103	0.48
Atrazine-desethyl-desisopropyl	µg/l	- ± -	0.357 ± 0.01	-	-	-
Atrazine-desisopropyl	µg/l	0.689 ± 0.0457	0.695 ± 0.027	0.0964	101	0.09
Bromacil	µg/l	- ± -	1.02 ± 0.018	-	-	-
Chloridazon	µg/l	0.511 ± 0.03	0.56 ± 0.032	0.0664	110	0.70
Chloridazon-desphenyl	µg/l	0.316 ± 0.0166	0.294 ± 0.009	0.0348	92.9	-0.92
Chloridazon-methyl-desphenyl	µg/l	0.582 ± 0.029	0.591 ± 0.055	0.0756	102	0.08
Clopyralid	µg/l	0.806 ± 0.12	0.839 ± 0.026	0.161	104	0.25
Cyanazine	µg/l	0.538 ± 0.0254	0.574 ± 0.02	0.0754	107	0.75
Dimethenamide	µg/l	0.983 ± 0.0996	0.967 ± 0.031	0.148	98.3	-0.14
Diuron	µg/l	0.509 ± 0.0283	0.569 ± 0.028	0.0662	112	0.95
Metolachlor	µg/l	0.779 ± 0.0345	0.795 ± 0.02	0.117	102	0.30
N,N-Dimethylsulfamide (DMS)	µg/l	0.632 ± 0.136	0.474 ± 0.035	0.164	75	-1.03
Nicosulfurone	µg/l	- ± -	0.729 ± 0.007	-	-	-
Prometryn	µg/l	0.732 ± 0.0216	0.768 ± 0.012	0.0952	105	1.11
Propazine	µg/l	0.568 ± 0.0414	0.601 ± 0.025	0.0739	106	0.50
Sebuthylazine	µg/l	0.709 ± 0.0233	0.718 ± 0.024	0.066	101	0.16
Simazine	µg/l	0.557 ± 0.0263	0.574 ± 0.013	0.0613	103	0.45



Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion Recovery [%]	En-Score
Terbuthylazine	µg/l	0.515 ± 0.0163	0.546 ± 0.021	106	0.68
Terbuthylazine-desethyl	µg/l	0.597 ± 0.0361	0.581 ± 0.021	97.4	-0.28
Terbutryn	µg/l	0.332 ± 0.0175	0.33 ± 0.002	99.4	-0.11



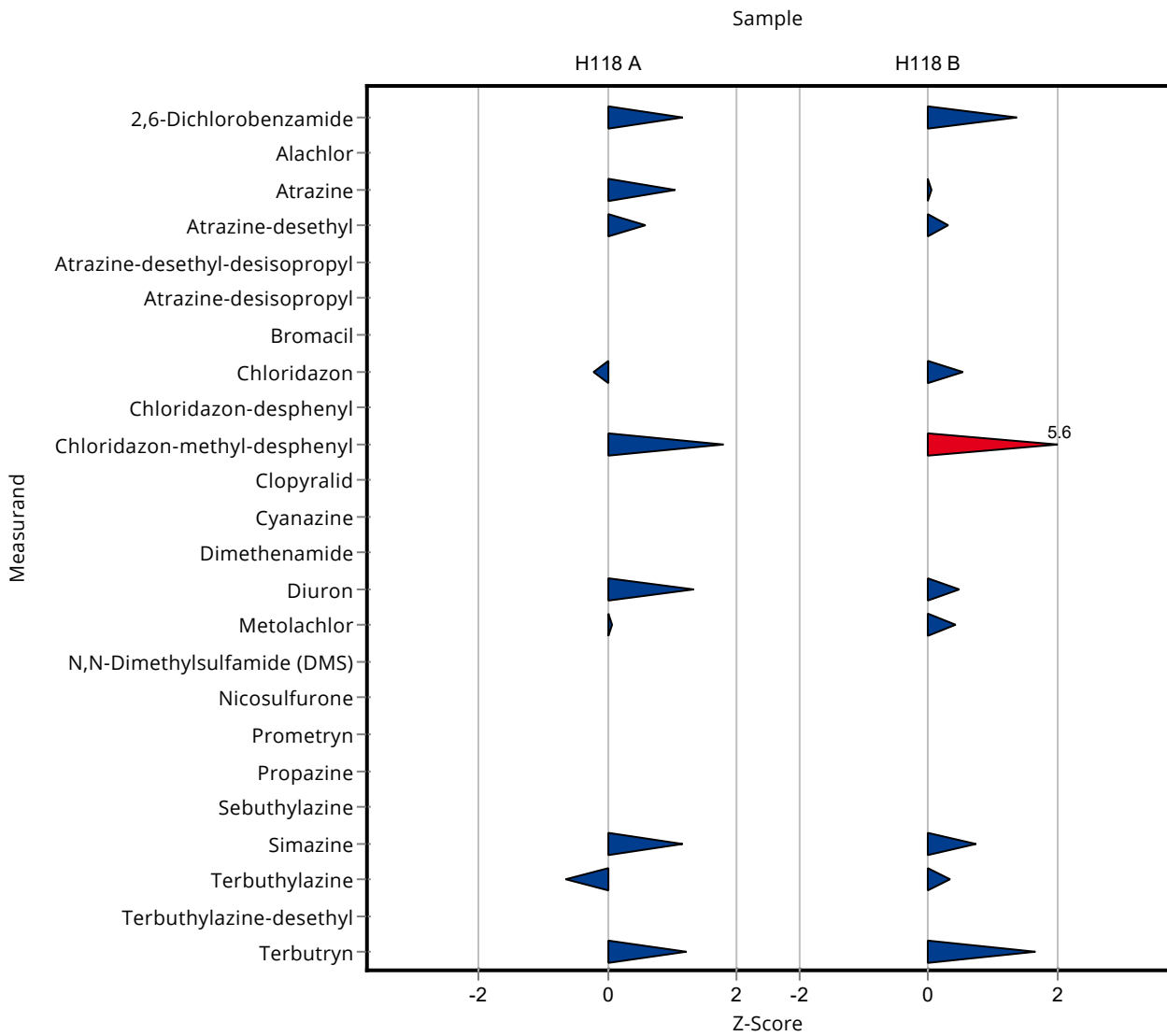
Sample: H118A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
2,6-Dichlorobenzamide	µg/l	0.936 ± 0.0508	1.101 ± 0.385	0.14	118	1.18
Alachlor	µg/l	0.646 ± 0.0421	- ± -	0.0775	-	-
Atrazine	µg/l	0.605 ± 0.0286	0.675 ± 0.311	0.0666	112	1.05
Atrazine-desethyl	µg/l	0.449 ± 0.0244	0.48 ± 0.158	0.0539	107	0.58
Atrazine-desethyl-desisopropyl	µg/l	- ± -	- ± -	-	-	-
Atrazine-desisopropyl	µg/l	0.292 ± 0.0132	- ± -	0.0409	-	-
Bromacil	µg/l	- ± -	- ± -	-	-	-
Chloridazon	µg/l	0.506 ± 0.0306	0.492 ± 0.153	0.0657	97.3	-0.21
Chloridazon-desphenyl	µg/l	0.188 ± 0.022	- ± -	0.0301	-	-
Chloridazon-methyl-desphenyl	µg/l	0.585 ± 0.046	0.721 ± 0.26	0.076	123	1.79
Clopyralid	µg/l	0.486 ± 0.075	- ± -	0.0972	-	-
Cyanazine	µg/l	0.833 ± 0.0363	- ± -	0.117	-	-
Dimethenamide	µg/l	0.651 ± 0.045	- ± -	0.0651	-	-
Diuron	µg/l	0.535 ± 0.0265	0.628 ± 0.214	0.0695	117	1.34
Metolachlor	µg/l	0.623 ± 0.0267	0.63 ± 0.17	0.0934	101	0.08
N,N-Dimethylsulfamide (DMS)	µg/l	- ± -	- ± -	-	-	-
Nicosulfurone	µg/l	- ± -	- ± -	-	-	-
Prometryn	µg/l	0.505 ± 0.0111	- ± -	0.0656	-	-
Propazine	µg/l	0.349 ± 0.0189	- ± -	0.0454	-	-
Sebuthylazine	µg/l	- ± -	- ± -	-	-	-
Simazine	µg/l	0.462 ± 0.0261	0.522 ± 0.157	0.0509	113	1.17
Terbuthylazine	µg/l	0.262 ± 0.0111	0.243 ± 0.112	0.0288	92.7	-0.66
Terbuthylazine-desethyl	µg/l	0.296 ± 0.0149	- ± -	0.0325	-	-
Terbutryn	µg/l	0.628 ± 0.0228	0.706 ± 0.409	0.0628	112	1.23

Sample: H118B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
2,6-Dichlorobenzamide	µg/l	0.82 ± 0.0509	0.99 ± 0.346	0.123	121	1.39
Alachlor	µg/l	0.822 ± 0.0302	- ± -	0.0986	-	-
Atrazine	µg/l	0.837 ± 0.0256	0.841 ± 0.387	0.0921	100	0.04

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Atrazine-desethyl	µg/l	0.796 ± 0.0375	0.826 ± 0.273	0.0955	104	0.31
Atrazine-desethyl-desisopropyl	µg/l	- ± -	- ± -	-	-	-
Atrazine-desisopropyl	µg/l	0.689 ± 0.0457	- ± -	0.0964	-	-
Bromacil	µg/l	- ± -	- ± -	-	-	-
Chloridazon	µg/l	0.511 ± 0.03	0.546 ± 0.169	0.0664	107	0.53
Chloridazon-desphenyl	µg/l	0.316 ± 0.0166	- ± -	0.0348	-	-
Chloridazon-methyl-desphenyl	µg/l	0.582 ± 0.029	1.004 ± 0.361	0.0756	173	5.59
Clopyralid	µg/l	0.806 ± 0.12	- ± -	0.161	-	-
Cyanazine	µg/l	0.538 ± 0.0254	- ± -	0.0754	-	-
Dimethenamide	µg/l	0.983 ± 0.0996	- ± -	0.148	-	-
Diuron	µg/l	0.509 ± 0.0283	0.542 ± 0.184	0.0662	106	0.49
Metolachlor	µg/l	0.779 ± 0.0345	0.83 ± 0.224	0.117	107	0.44
N,N-Dimethylsulfamide (DMS)	µg/l	0.632 ± 0.136	- ± -	0.164	-	-
Nicosulfurone	µg/l	- ± -	- ± -	-	-	-
Prometryn	µg/l	0.732 ± 0.0216	- ± -	0.0952	-	-
Propazine	µg/l	0.568 ± 0.0414	- ± -	0.0739	-	-
Sebuthylazine	µg/l	0.709 ± 0.0233	- ± -	0.066	-	-
Simazine	µg/l	0.557 ± 0.0263	0.603 ± 0.181	0.0613	108	0.75
Terbuthylazine	µg/l	0.515 ± 0.0163	0.534 ± 0.245	0.0567	104	0.33
Terbuthylazine-desethyl	µg/l	0.597 ± 0.0361	- ± -	0.0656	-	-
Terbutryn	µg/l	0.332 ± 0.0175	0.387 ± 0.224	0.0332	117	1.66



Sample: H118A

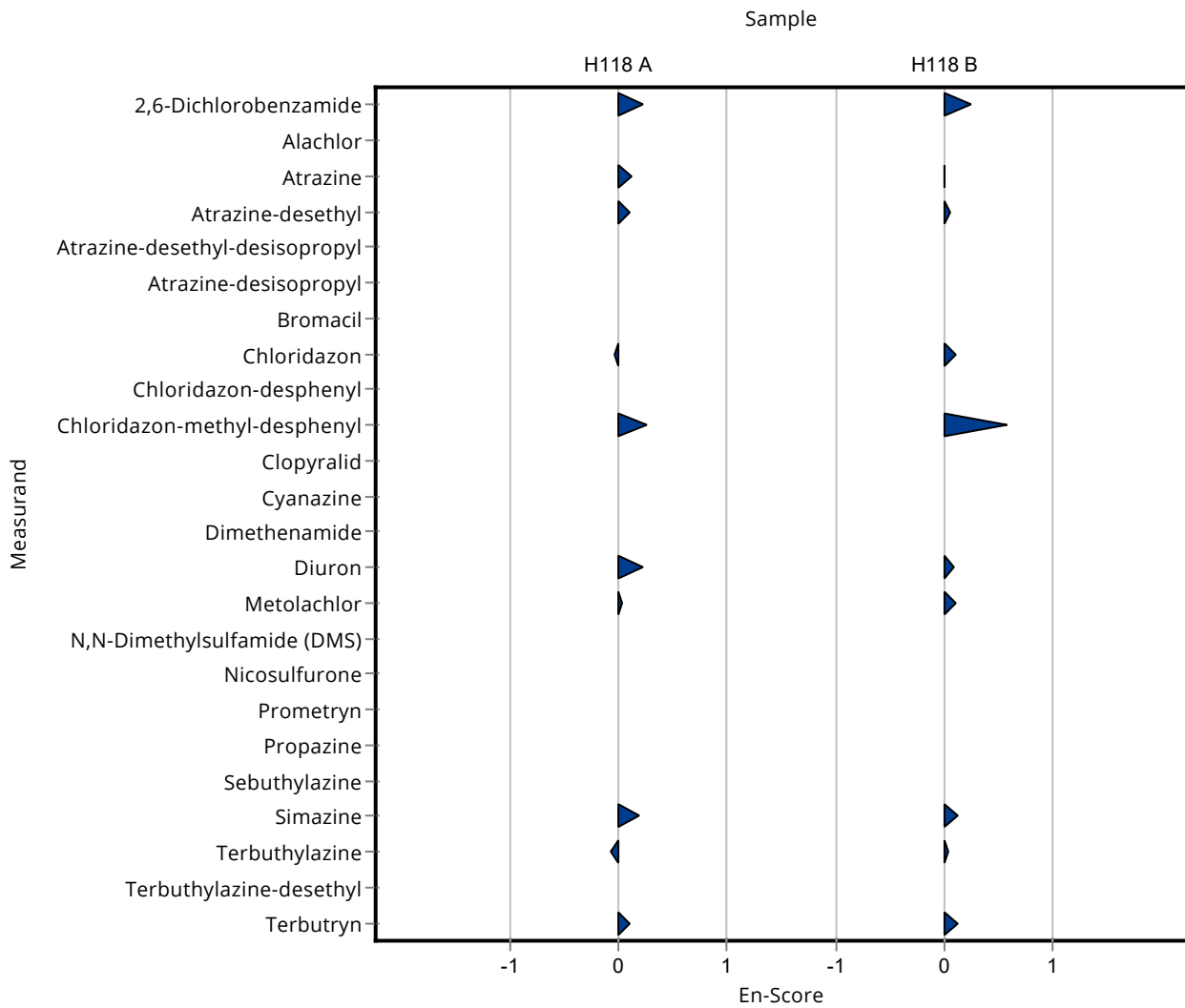
Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
2,6-Dichlorobenzamide	µg/l	0.936 ± 0.0508	1.101 ± 0.385	0.14	118	0.21
Alachlor	µg/l	0.646 ± 0.0421	- ± -	0.0775	-	-
Atrazine	µg/l	0.605 ± 0.0286	0.675 ± 0.311	0.0666	112	0.11
Atrazine-desethyl	µg/l	0.449 ± 0.0244	0.48 ± 0.158	0.0539	107	0.10
Atrazine-desethyl-desisopropyl	µg/l	- ± -	- ± -	-	-	-
Atrazine-desisopropyl	µg/l	0.292 ± 0.0132	- ± -	0.0409	-	-
Bromacil	µg/l	- ± -	- ± -	-	-	-
Chloridazon	µg/l	0.506 ± 0.0306	0.492 ± 0.153	0.0657	97.3	-0.04
Chloridazon-desphenyl	µg/l	0.188 ± 0.022	- ± -	0.0301	-	-
Chloridazon-methyl-desphenyl	µg/l	0.585 ± 0.046	0.721 ± 0.26	0.076	123	0.26
Clopyralid	µg/l	0.486 ± 0.075	- ± -	0.0972	-	-
Cyanazine	µg/l	0.833 ± 0.0363	- ± -	0.117	-	-
Dimethenamide	µg/l	0.651 ± 0.045	- ± -	0.0651	-	-
Diuron	µg/l	0.535 ± 0.0265	0.628 ± 0.214	0.0695	117	0.22
Metolachlor	µg/l	0.623 ± 0.0267	0.63 ± 0.17	0.0934	101	0.02
N,N-Dimethylsulfamide (DMS)	µg/l	- ± -	- ± -	-	-	-
Nicosulfurone	µg/l	- ± -	- ± -	-	-	-
Prometryn	µg/l	0.505 ± 0.0111	- ± -	0.0656	-	-
Propazine	µg/l	0.349 ± 0.0189	- ± -	0.0454	-	-
Sebuthylazine	µg/l	- ± -	- ± -	-	-	-
Simazine	µg/l	0.462 ± 0.0261	0.522 ± 0.157	0.0509	113	0.19
Terbuthylazine	µg/l	0.262 ± 0.0111	0.243 ± 0.112	0.0288	92.7	-0.09
Terbuthylazine-desethyl	µg/l	0.296 ± 0.0149	- ± -	0.0325	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Terbutryn	µg/l	0.628 ± 0.0228	0.706 ± 0.409	0.0628	112	0.09

Sample: H118B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
2,6-Dichlorobenzamide	µg/l	0.82 ± 0.0509	0.99 ± 0.346	0.123	121	0.25
Alachlor	µg/l	0.822 ± 0.0302	- ± -	0.0986	-	-
Atrazine	µg/l	0.837 ± 0.0256	0.841 ± 0.387	0.0921	100	0.01
Atrazine-desethyl	µg/l	0.796 ± 0.0375	0.826 ± 0.273	0.0955	104	0.05
Atrazine-desethyl-desisopropyl	µg/l	- ± -	- ± -	-	-	-
Atrazine-desisopropyl	µg/l	0.689 ± 0.0457	- ± -	0.0964	-	-
Bromacil	µg/l	- ± -	- ± -	-	-	-
Chloridazon	µg/l	0.511 ± 0.03	0.546 ± 0.169	0.0664	107	0.10
Chloridazon-desphenyl	µg/l	0.316 ± 0.0166	- ± -	0.0348	-	-
Chloridazon-methyl-desphenyl	µg/l	0.582 ± 0.029	1.004 ± 0.361	0.0756	173	0.58
Clopyralid	µg/l	0.806 ± 0.12	- ± -	0.161	-	-
Cyanazine	µg/l	0.538 ± 0.0254	- ± -	0.0754	-	-
Dimethenamide	µg/l	0.983 ± 0.0996	- ± -	0.148	-	-
Diuron	µg/l	0.509 ± 0.0283	0.542 ± 0.184	0.0662	106	0.09
Metolachlor	µg/l	0.779 ± 0.0345	0.83 ± 0.224	0.117	107	0.11
N,N-Dimethylsulfamide (DMS)	µg/l	0.632 ± 0.136	- ± -	0.164	-	-
Nicosulfurone	µg/l	- ± -	- ± -	-	-	-
Prometryn	µg/l	0.732 ± 0.0216	- ± -	0.0952	-	-
Propazine	µg/l	0.568 ± 0.0414	- ± -	0.0739	-	-
Sebuthylazine	µg/l	0.709 ± 0.0233	- ± -	0.066	-	-
Simazine	µg/l	0.557 ± 0.0263	0.603 ± 0.181	0.0613	108	0.13

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion Recovery	En-Score
				[%]	
Terbuthylazine	µg/l	0.515 ± 0.0163	0.534 ± 0.245	0.0567	104
Terbuthylazine-desethyl	µg/l	0.597 ± 0.0361	- ± -	0.0656	-
Terbutryn	µg/l	0.332 ± 0.0175	0.387 ± 0.224	0.0332	117



Sample: H118A

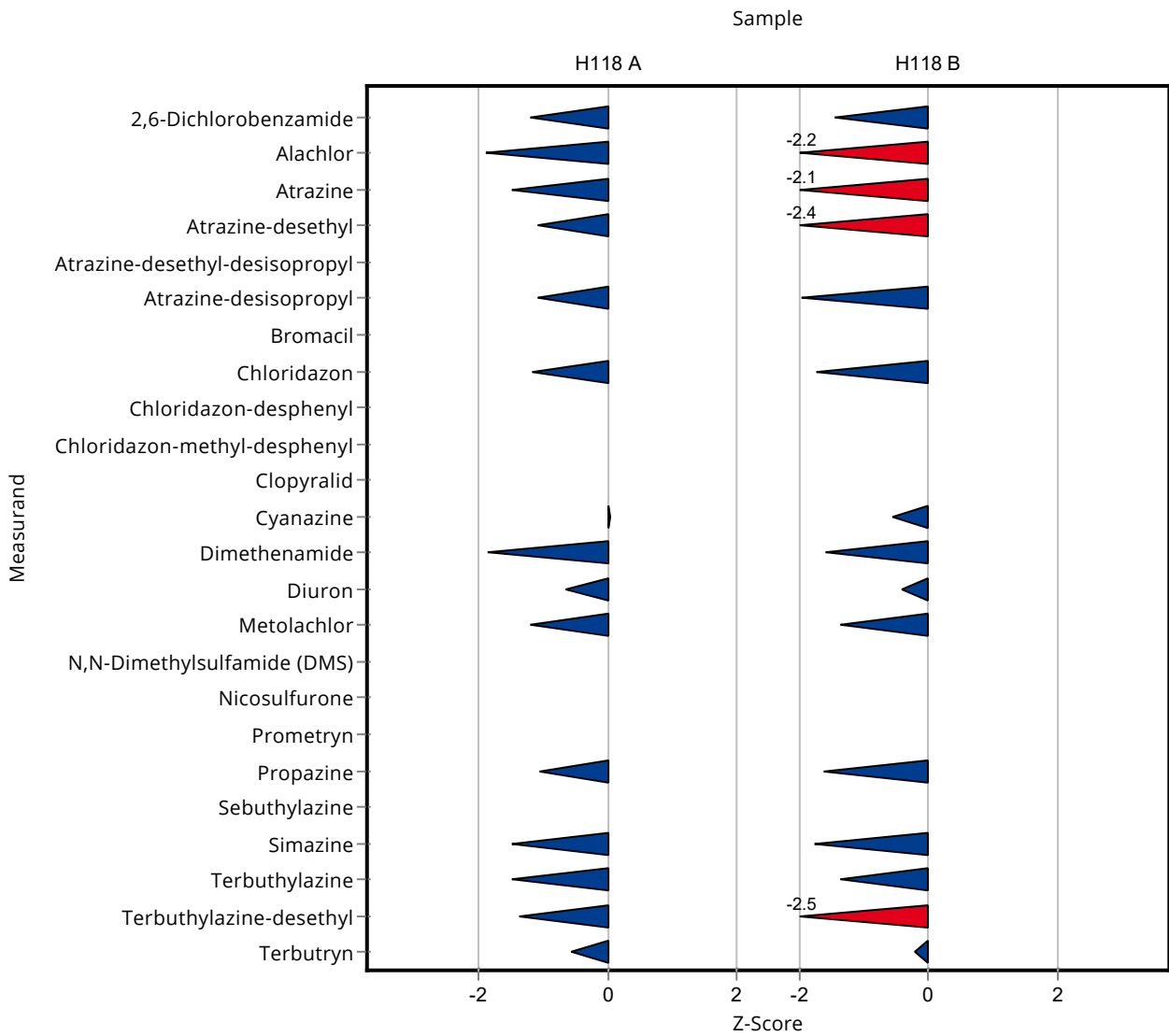
Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
2,6-Dichlorobenzamide	µg/l	0.936 ± 0.0508	0.765 ± 0.022	0.14	81.7	-1.22
Alachlor	µg/l	0.646 ± 0.0421	0.498 ± 0.018	0.0775	77.1	-1.91
Atrazine	µg/l	0.605 ± 0.0286	0.505 ± 0.021	0.0666	83.4	-1.51
Atrazine-desethyl	µg/l	0.449 ± 0.0244	0.39 ± 0.018	0.0539	86.9	-1.09
Atrazine-desethyl-desisopropyl	µg/l	- ± -	- ± -	-	-	-
Atrazine-desisopropyl	µg/l	0.292 ± 0.0132	0.247 ± 0.009	0.0409	84.6	-1.10
Bromacil	µg/l	- ± -	- ± -	-	-	-
Chloridazon	µg/l	0.506 ± 0.0306	0.428 ± 0.017	0.0657	84.6	-1.18
Chloridazon-desphenyl	µg/l	0.188 ± 0.022	- ± -	0.0301	-	-
Chloridazon-methyl-desphenyl	µg/l	0.585 ± 0.046	- ± -	0.076	-	-
Clopyralid	µg/l	0.486 ± 0.075	- ± -	0.0972	-	-
Cyanazine	µg/l	0.833 ± 0.0363	0.839 ± 0.047	0.117	101	0.05
Dimethenamide	µg/l	0.651 ± 0.045	0.529 ± 0.001	0.0651	81.3	-1.87
Diuron	µg/l	0.535 ± 0.0265	0.49 ± 0.021	0.0695	91.7	-0.64
Metolachlor	µg/l	0.623 ± 0.0267	0.511 ± 0.001	0.0934	82	-1.20
N,N-Dimethylsulfamide (DMS)	µg/l	- ± -	- ± -	-	-	-
Nicosulfurone	µg/l	- ± -	- ± -	-	-	-
Prometryn	µg/l	0.505 ± 0.0111	- ± -	0.0656	-	-
Propazine	µg/l	0.349 ± 0.0189	0.301 ± 0.013	0.0454	86.2	-1.06
Sebuthylazine	µg/l	- ± -	- ± -	-	-	-
Simazine	µg/l	0.462 ± 0.0261	0.386 ± 0.001	0.0509	83.5	-1.50
Terbuthylazine	µg/l	0.262 ± 0.0111	0.219 ± 0.002	0.0288	83.6	-1.49
Terbuthylazine-desethyl	µg/l	0.296 ± 0.0149	0.251 ± 0.002	0.0325	84.8	-1.38
Terbutryn	µg/l	0.628 ± 0.0228	0.592 ± 0.039	0.0628	94.2	-0.58

Sample: H118B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
2,6-Dichlorobenzamide	µg/l	0.82 ± 0.0509	0.642 ± 0.015	0.123	78.3	-1.45
Alachlor	µg/l	0.822 ± 0.0302	0.6 ± 0.002	0.0986	73	-2.25
Atrazine	µg/l	0.837 ± 0.0256	0.647 ± 0.013	0.0921	77.3	-2.06



Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Atrazine-desethyl	µg/l	0.796 ± 0.0375	0.565 ± 0.046	0.0955	71	-2.42
Atrazine-desethyl-desisopropyl	µg/l	- ± -	- ± -	-	-	-
Atrazine-desisopropyl	µg/l	0.689 ± 0.0457	0.497 ± 0.008	0.0964	72.2	-1.99
Bromacil	µg/l	- ± -	- ± -	-	-	-
Chloridazon	µg/l	0.511 ± 0.03	0.395 ± 0.01	0.0664	77.4	-1.74
Chloridazon-desphenyl	µg/l	0.316 ± 0.0166	- ± -	0.0348	-	-
Chloridazon-methyl-desphenyl	µg/l	0.582 ± 0.029	- ± -	0.0756	-	-
Clopyralid	µg/l	0.806 ± 0.12	- ± -	0.161	-	-
Cyanazine	µg/l	0.538 ± 0.0254	0.496 ± 0.001	0.0754	92.1	-0.56
Dimethenamide	µg/l	0.983 ± 0.0996	0.749 ± 0.002	0.148	76.2	-1.59
Diuron	µg/l	0.509 ± 0.0283	0.482 ± 0.005	0.0662	94.6	-0.42
Metolachlor	µg/l	0.779 ± 0.0345	0.618 ± 0.004	0.117	79.3	-1.38
N,N-Dimethylsulfamide (DMS)	µg/l	0.632 ± 0.136	- ± -	0.164	-	-
Nicosulfurone	µg/l	- ± -	- ± -	-	-	-
Prometryn	µg/l	0.732 ± 0.0216	- ± -	0.0952	-	-
Propazine	µg/l	0.568 ± 0.0414	0.447 ± 0.011	0.0739	78.6	-1.64
Sebuthylazine	µg/l	0.709 ± 0.0233	- ± -	0.066	-	-
Simazine	µg/l	0.557 ± 0.0263	0.448 ± 0.014	0.0613	80.4	-1.78
Terbuthylazine	µg/l	0.515 ± 0.0163	0.438 ± 0.001	0.0567	85	-1.36
Terbuthylazine-desethyl	µg/l	0.597 ± 0.0361	0.435 ± 0.017	0.0656	72.9	-2.46
Terbutryn	µg/l	0.332 ± 0.0175	0.325 ± 0.001	0.0332	97.9	-0.21



Sample: H118A

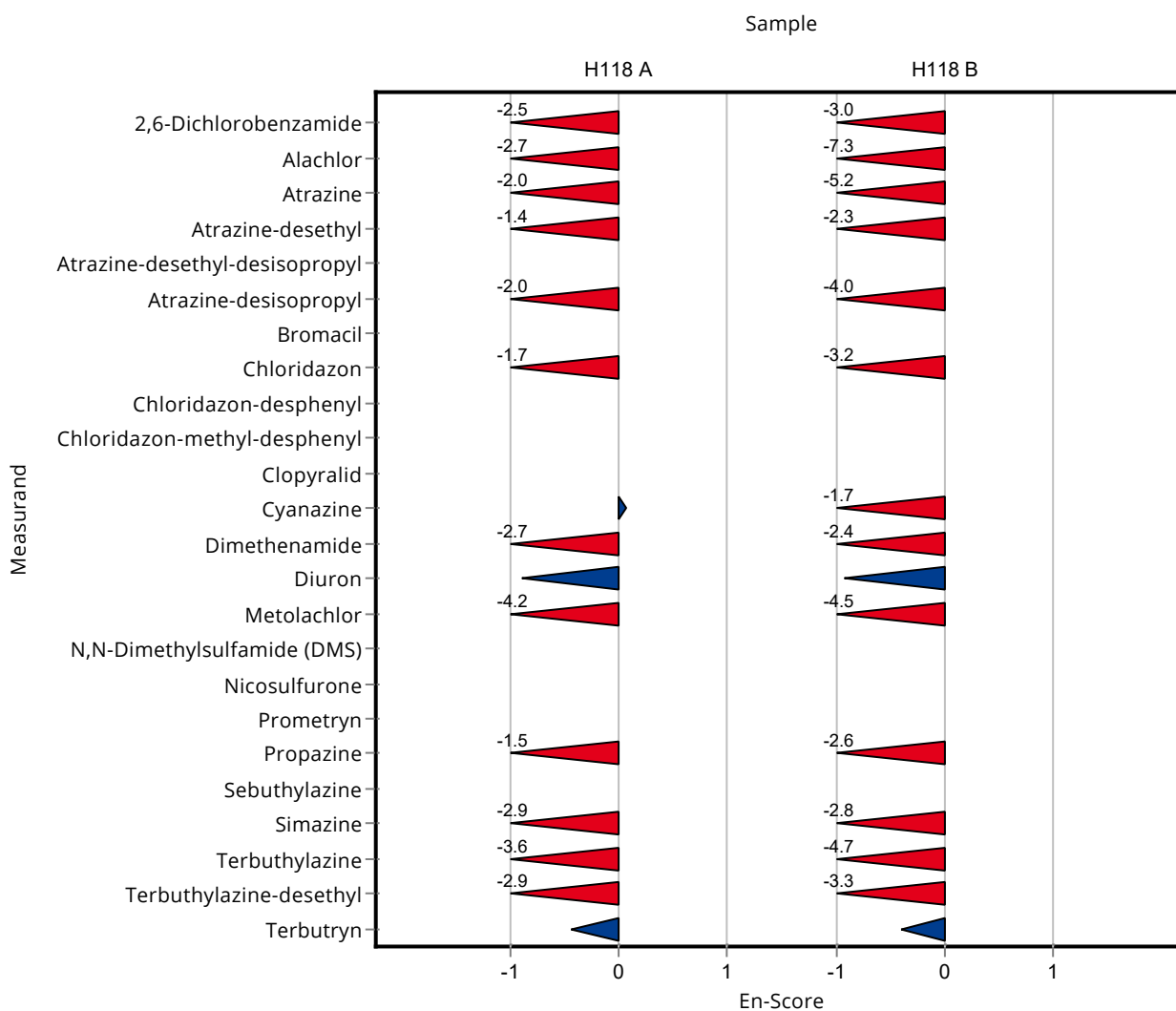
Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
2,6-Dichlorobenzamide	µg/l	0.936 ± 0.0508	0.765 ± 0.022	0.14	81.7	-2.54
Alachlor	µg/l	0.646 ± 0.0421	0.498 ± 0.018	0.0775	77.1	-2.67
Atrazine	µg/l	0.605 ± 0.0286	0.505 ± 0.021	0.0666	83.4	-1.97
Atrazine-desethyl	µg/l	0.449 ± 0.0244	0.39 ± 0.018	0.0539	86.9	-1.35
Atrazine-desethyl-desisopropyl	µg/l	- ± -	- ± -	-	-	-
Atrazine-desisopropyl	µg/l	0.292 ± 0.0132	0.247 ± 0.009	0.0409	84.6	-2.02
Bromacil	µg/l	- ± -	- ± -	-	-	-
Chloridazon	µg/l	0.506 ± 0.0306	0.428 ± 0.017	0.0657	84.6	-1.70
Chloridazon-desphenyl	µg/l	0.188 ± 0.022	- ± -	0.0301	-	-
Chloridazon-methyl-desphenyl	µg/l	0.585 ± 0.046	- ± -	0.076	-	-
Clopyralid	µg/l	0.486 ± 0.075	- ± -	0.0972	-	-
Cyanazine	µg/l	0.833 ± 0.0363	0.839 ± 0.047	0.117	101	0.06
Dimethenamide	µg/l	0.651 ± 0.045	0.529 ± 0.001	0.0651	81.3	-2.70
Diuron	µg/l	0.535 ± 0.0265	0.49 ± 0.021	0.0695	91.7	-0.90
Metolachlor	µg/l	0.623 ± 0.0267	0.511 ± 0.001	0.0934	82	-4.18
N,N-Dimethylsulfamide (DMS)	µg/l	- ± -	- ± -	-	-	-
Nicosulfurone	µg/l	- ± -	- ± -	-	-	-
Prometryn	µg/l	0.505 ± 0.0111	- ± -	0.0656	-	-
Propazine	µg/l	0.349 ± 0.0189	0.301 ± 0.013	0.0454	86.2	-1.50
Sebuthylazine	µg/l	- ± -	- ± -	-	-	-
Simazine	µg/l	0.462 ± 0.0261	0.386 ± 0.001	0.0509	83.5	-2.92
Terbuthylazine	µg/l	0.262 ± 0.0111	0.219 ± 0.002	0.0288	83.6	-3.64
Terbuthylazine-desethyl	µg/l	0.296 ± 0.0149	0.251 ± 0.002	0.0325	84.8	-2.90

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Terbutryn	µg/l	0.628 ± 0.0228	0.592 ± 0.039	0.0628	94.2	-0.45

## Sample: H118B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
2,6-Dichlorobenzamide	µg/l	0.82 ± 0.0509	0.642 ± 0.015	0.123	78.3	-3.01
Alachlor	µg/l	0.822 ± 0.0302	0.6 ± 0.002	0.0986	73	-7.29
Atrazine	µg/l	0.837 ± 0.0256	0.647 ± 0.013	0.0921	77.3	-5.21
Atrazine-desethyl	µg/l	0.796 ± 0.0375	0.565 ± 0.046	0.0955	71	-2.33
Atrazine-desethyl-desisopropyl	µg/l	- ± -	- ± -	-	-	-
Atrazine-desisopropyl	µg/l	0.689 ± 0.0457	0.497 ± 0.008	0.0964	72.2	-3.96
Bromacil	µg/l	- ± -	- ± -	-	-	-
Chloridazon	µg/l	0.511 ± 0.03	0.395 ± 0.01	0.0664	77.4	-3.21
Chloridazon-desphenyl	µg/l	0.316 ± 0.0166	- ± -	0.0348	-	-
Chloridazon-methyl-desphenyl	µg/l	0.582 ± 0.029	- ± -	0.0756	-	-
Clopyralid	µg/l	0.806 ± 0.12	- ± -	0.161	-	-
Cyanazine	µg/l	0.538 ± 0.0254	0.496 ± 0.001	0.0754	92.1	-1.66
Dimethenamide	µg/l	0.983 ± 0.0996	0.749 ± 0.002	0.148	76.2	-2.35
Diuron	µg/l	0.509 ± 0.0283	0.482 ± 0.005	0.0662	94.6	-0.92
Metolachlor	µg/l	0.779 ± 0.0345	0.618 ± 0.004	0.117	79.3	-4.54
N,N-Dimethylsulfamide (DMS)	µg/l	0.632 ± 0.136	- ± -	0.164	-	-
Nicosulfurone	µg/l	- ± -	- ± -	-	-	-
Prometryn	µg/l	0.732 ± 0.0216	- ± -	0.0952	-	-
Propazine	µg/l	0.568 ± 0.0414	0.447 ± 0.011	0.0739	78.6	-2.59
Sebuthylazine	µg/l	0.709 ± 0.0233	- ± -	0.066	-	-
Simazine	µg/l	0.557 ± 0.0263	0.448 ± 0.014	0.0613	80.4	-2.84

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion Recovery [%]	En-Score	
Terbutylazine	µg/l	0.515 ± 0.0163	0.438 ± 0.001	0.0567	85	-4.71
Terbutylazine-desethyl	µg/l	0.597 ± 0.0361	0.435 ± 0.017	0.0656	72.9	-3.26
Terbutryn	µg/l	0.332 ± 0.0175	0.325 ± 0.001	0.0332	97.9	-0.40



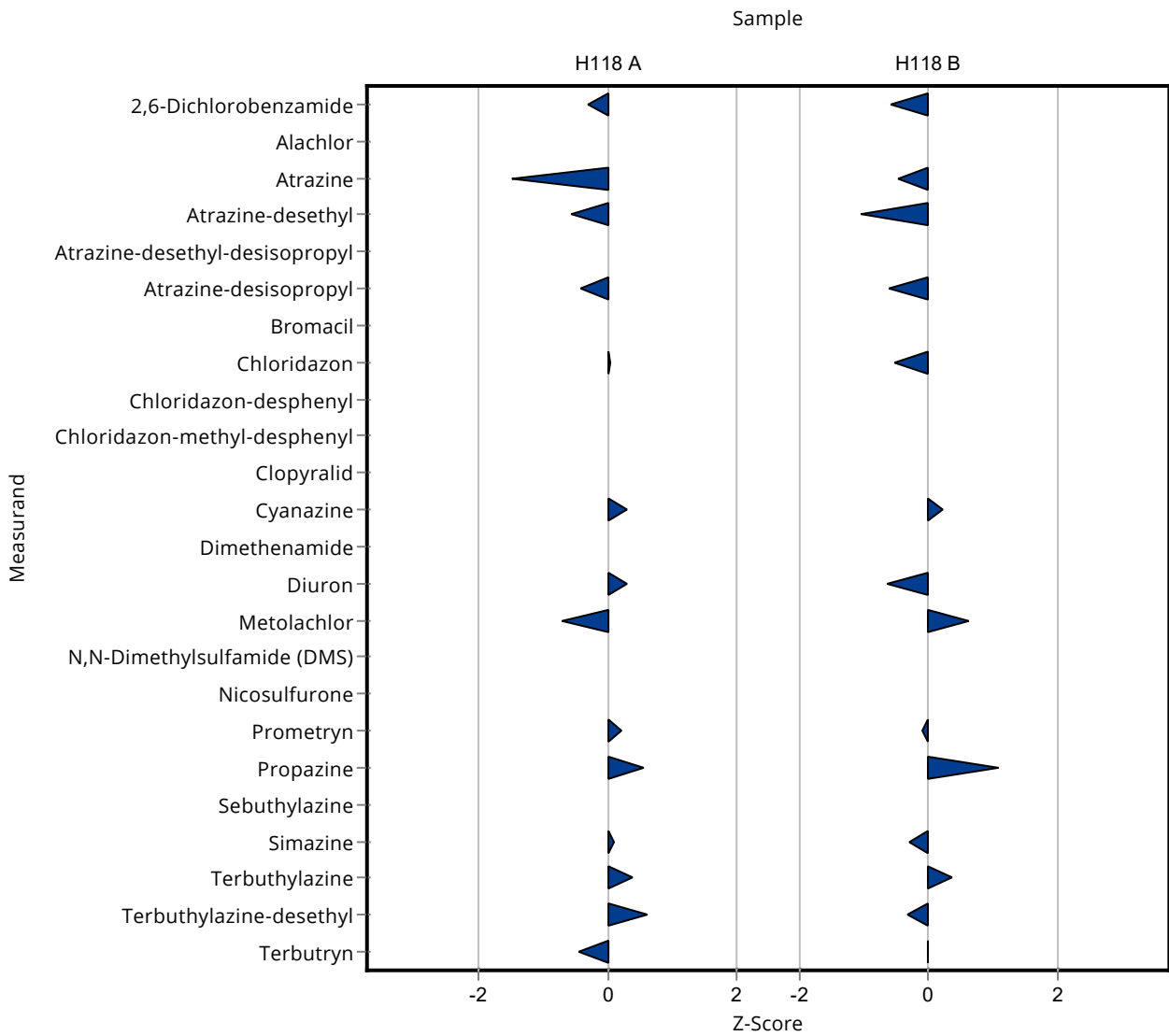
Sample: H118A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
2,6-Dichlorobenzamide	µg/l	0.936 ± 0.0508	0.894 ± 0.087	0.14	95.5	-0.30
Alachlor	µg/l	0.646 ± 0.0421	- ± -	0.0775	-	-
Atrazine	µg/l	0.605 ± 0.0286	0.506 ± 0.065	0.0666	83.6	-1.49
Atrazine-desethyl	µg/l	0.449 ± 0.0244	0.419 ± 0.109	0.0539	93.3	-0.55
Atrazine-desethyl-desisopropyl	µg/l	- ± -	- ± -	-	-	-
Atrazine-desisopropyl	µg/l	0.292 ± 0.0132	0.275 ± 0.031	0.0409	94.2	-0.42
Bromacil	µg/l	- ± -	- ± -	-	-	-
Chloridazon	µg/l	0.506 ± 0.0306	0.509 ± 0.054	0.0657	101	0.05
Chloridazon-desphenyl	µg/l	0.188 ± 0.022	- ± -	0.0301	-	-
Chloridazon-methyl-desphenyl	µg/l	0.585 ± 0.046	- ± -	0.076	-	-
Clopyralid	µg/l	0.486 ± 0.075	- ± -	0.0972	-	-
Cyanazine	µg/l	0.833 ± 0.0363	0.87 ± 0.204	0.117	104	0.31
Dimethenamide	µg/l	0.651 ± 0.045	- ± -	0.0651	-	-
Diuron	µg/l	0.535 ± 0.0265	0.555 ± 0.103	0.0695	104	0.29
Metolachlor	µg/l	0.623 ± 0.0267	0.556 ± 0.152	0.0934	89.3	-0.72
N,N-Dimethylsulfamide (DMS)	µg/l	- ± -	- ± -	-	-	-
Nicosulfurone	µg/l	- ± -	- ± -	-	-	-
Prometryn	µg/l	0.505 ± 0.0111	0.518 ± 0.076	0.0656	103	0.20
Propazine	µg/l	0.349 ± 0.0189	0.375 ± 0.061	0.0454	107	0.57
Sebuthylazine	µg/l	- ± -	- ± -	-	-	-
Simazine	µg/l	0.462 ± 0.0261	0.468 ± 0.097	0.0509	101	0.11
Terbuthylazine	µg/l	0.262 ± 0.0111	0.273 ± 0.04	0.0288	104	0.38
Terbuthylazine-desethyl	µg/l	0.296 ± 0.0149	0.316 ± 0.037	0.0325	107	0.62
Terbutryn	µg/l	0.628 ± 0.0228	0.601 ± 0.075	0.0628	95.6	-0.44

Sample: H118B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
2,6-Dichlorobenzamide	µg/l	0.82 ± 0.0509	0.746 ± 0.072	0.123	91	-0.60
Alachlor	µg/l	0.822 ± 0.0302	- ± -	0.0986	-	-
Atrazine	µg/l	0.837 ± 0.0256	0.792 ± 0.065	0.0921	94.6	-0.49

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Atrazine-desethyl	µg/l	0.796 ± 0.0375	0.696 ± 0.181	0.0955	87.4	-1.05
Atrazine-desethyl-desisopropyl	µg/l	- ± -	- ± -	-	-	-
Atrazine-desisopropyl	µg/l	0.689 ± 0.0457	0.63 ± 0.07	0.0964	91.5	-0.61
Bromacil	µg/l	- ± -	- ± -	-	-	-
Chloridazon	µg/l	0.511 ± 0.03	0.475 ± 0.051	0.0664	93	-0.54
Chloridazon-desphenyl	µg/l	0.316 ± 0.0166	- ± -	0.0348	-	-
Chloridazon-methyl-desphenyl	µg/l	0.582 ± 0.029	- ± -	0.0756	-	-
Clopyralid	µg/l	0.806 ± 0.12	- ± -	0.161	-	-
Cyanazine	µg/l	0.538 ± 0.0254	0.554 ± 0.13	0.0754	103	0.21
Dimethenamide	µg/l	0.983 ± 0.0996	- ± -	0.148	-	-
Diuron	µg/l	0.509 ± 0.0283	0.467 ± 0.086	0.0662	91.7	-0.64
Metolachlor	µg/l	0.779 ± 0.0345	0.852 ± 0.233	0.117	109	0.62
N,N-Dimethylsulfamide (DMS)	µg/l	0.632 ± 0.136	- ± -	0.164	-	-
Nicosulfurone	µg/l	- ± -	- ± -	-	-	-
Prometryn	µg/l	0.732 ± 0.0216	0.724 ± 0.106	0.0952	98.9	-0.08
Propazine	µg/l	0.568 ± 0.0414	0.649 ± 0.106	0.0739	114	1.09
Sebuthylazine	µg/l	0.709 ± 0.0233	- ± -	0.066	-	-
Simazine	µg/l	0.557 ± 0.0263	0.539 ± 0.111	0.0613	96.7	-0.30
Terbuthylazine	µg/l	0.515 ± 0.0163	0.536 ± 0.078	0.0567	104	0.36
Terbuthylazine-desethyl	µg/l	0.597 ± 0.0361	0.574 ± 0.067	0.0656	96.2	-0.34
Terbutryn	µg/l	0.332 ± 0.0175	0.332 ± 0.042	0.0332	100	0.00





Sample: H118A

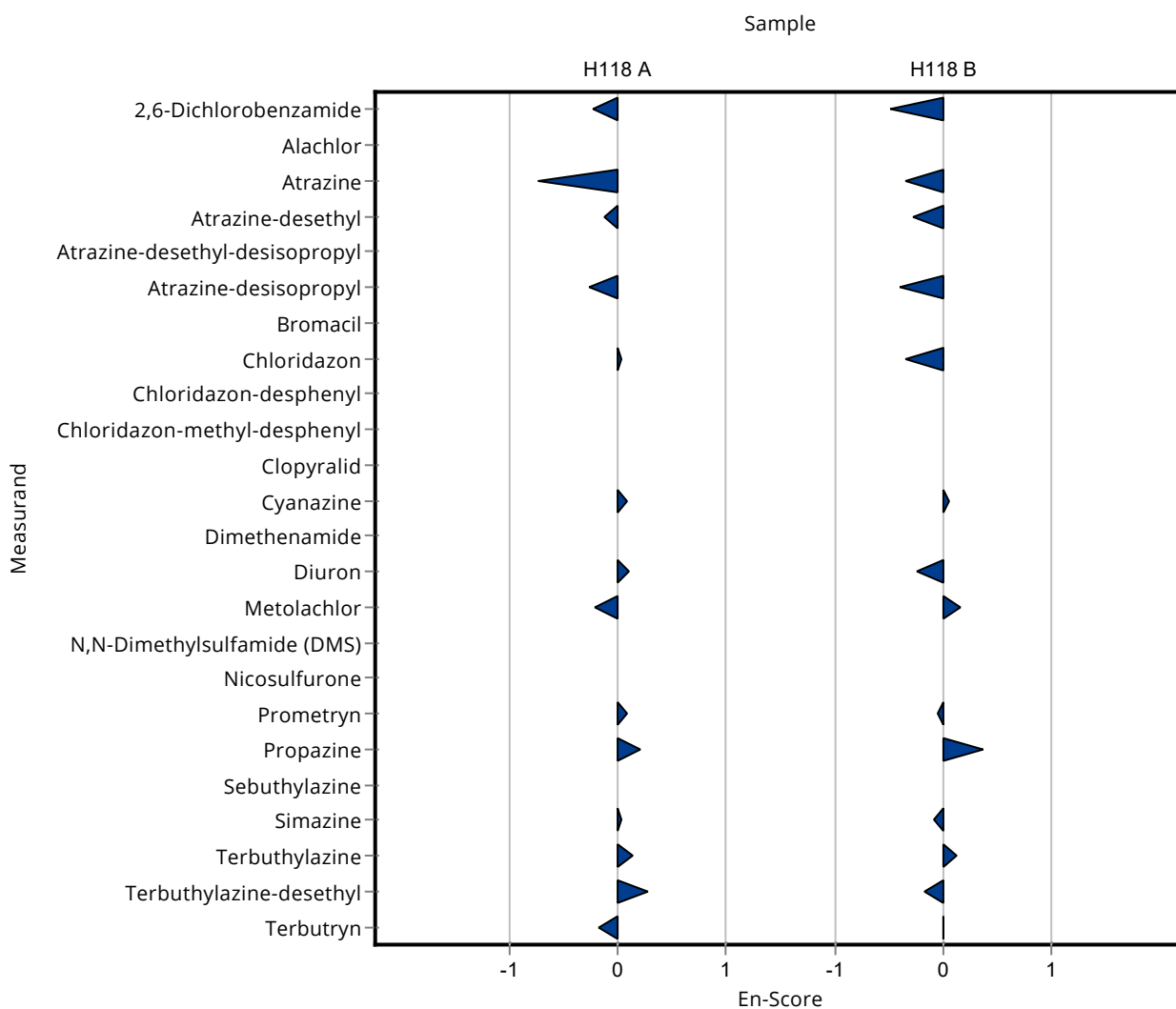
Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
2,6-Dichlorobenzamide	µg/l	0.936 ± 0.0508	0.894 ± 0.087	0.14	95.5	-0.23
Alachlor	µg/l	0.646 ± 0.0421	- ± -	0.0775	-	-
Atrazine	µg/l	0.605 ± 0.0286	0.506 ± 0.065	0.0666	83.6	-0.75
Atrazine-desethyl	µg/l	0.449 ± 0.0244	0.419 ± 0.109	0.0539	93.3	-0.14
Atrazine-desethyl-desisopropyl	µg/l	- ± -	- ± -	-	-	-
Atrazine-desisopropyl	µg/l	0.292 ± 0.0132	0.275 ± 0.031	0.0409	94.2	-0.27
Bromacil	µg/l	- ± -	- ± -	-	-	-
Chloridazon	µg/l	0.506 ± 0.0306	0.509 ± 0.054	0.0657	101	0.03
Chloridazon-desphenyl	µg/l	0.188 ± 0.022	- ± -	0.0301	-	-
Chloridazon-methyl-desphenyl	µg/l	0.585 ± 0.046	- ± -	0.076	-	-
Clopyralid	µg/l	0.486 ± 0.075	- ± -	0.0972	-	-
Cyanazine	µg/l	0.833 ± 0.0363	0.87 ± 0.204	0.117	104	0.09
Dimethenamide	µg/l	0.651 ± 0.045	- ± -	0.0651	-	-
Diuron	µg/l	0.535 ± 0.0265	0.555 ± 0.103	0.0695	104	0.10
Metolachlor	µg/l	0.623 ± 0.0267	0.556 ± 0.152	0.0934	89.3	-0.22
N,N-Dimethylsulfamide (DMS)	µg/l	- ± -	- ± -	-	-	-
Nicosulfurone	µg/l	- ± -	- ± -	-	-	-
Prometryn	µg/l	0.505 ± 0.0111	0.518 ± 0.076	0.0656	103	0.09
Propazine	µg/l	0.349 ± 0.0189	0.375 ± 0.061	0.0454	107	0.21
Sebuthylazine	µg/l	- ± -	- ± -	-	-	-
Simazine	µg/l	0.462 ± 0.0261	0.468 ± 0.097	0.0509	101	0.03
Terbuthylazine	µg/l	0.262 ± 0.0111	0.273 ± 0.04	0.0288	104	0.14
Terbuthylazine-desethyl	µg/l	0.296 ± 0.0149	0.316 ± 0.037	0.0325	107	0.27

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Terbutryn	µg/l	0.628 ± 0.0228	0.601 ± 0.075	0.0628	95.6	-0.18

## Sample: H118B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
2,6-Dichlorobenzamide	µg/l	0.82 ± 0.0509	0.746 ± 0.072	0.123	91	-0.48
Alachlor	µg/l	0.822 ± 0.0302	- ± -	0.0986	-	-
Atrazine	µg/l	0.837 ± 0.0256	0.792 ± 0.065	0.0921	94.6	-0.34
Atrazine-desethyl	µg/l	0.796 ± 0.0375	0.696 ± 0.181	0.0955	87.4	-0.28
Atrazine-desethyl-desisopropyl	µg/l	- ± -	- ± -	-	-	-
Atrazine-desisopropyl	µg/l	0.689 ± 0.0457	0.63 ± 0.07	0.0964	91.5	-0.40
Bromacil	µg/l	- ± -	- ± -	-	-	-
Chloridazon	µg/l	0.511 ± 0.03	0.475 ± 0.051	0.0664	93	-0.34
Chloridazon-desphenyl	µg/l	0.316 ± 0.0166	- ± -	0.0348	-	-
Chloridazon-methyl-desphenyl	µg/l	0.582 ± 0.029	- ± -	0.0756	-	-
Clopyralid	µg/l	0.806 ± 0.12	- ± -	0.161	-	-
Cyanazine	µg/l	0.538 ± 0.0254	0.554 ± 0.13	0.0754	103	0.06
Dimethenamide	µg/l	0.983 ± 0.0996	- ± -	0.148	-	-
Diuron	µg/l	0.509 ± 0.0283	0.467 ± 0.086	0.0662	91.7	-0.24
Metolachlor	µg/l	0.779 ± 0.0345	0.852 ± 0.233	0.117	109	0.16
N,N-Dimethylsulfamide (DMS)	µg/l	0.632 ± 0.136	- ± -	0.164	-	-
Nicosulfurone	µg/l	- ± -	- ± -	-	-	-
Prometryn	µg/l	0.732 ± 0.0216	0.724 ± 0.106	0.0952	98.9	-0.04
Propazine	µg/l	0.568 ± 0.0414	0.649 ± 0.106	0.0739	114	0.37
Sebuthylazine	µg/l	0.709 ± 0.0233	- ± -	0.066	-	-
Simazine	µg/l	0.557 ± 0.0263	0.539 ± 0.111	0.0613	96.7	-0.08

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion Recovery	En-Score
				[%]	
Terbutylazine	µg/l	0.515 ± 0.0163	0.536 ± 0.078	104	0.13
Terbutylazine-desethyl	µg/l	0.597 ± 0.0361	0.574 ± 0.067	96.2	-0.16
Terbutryn	µg/l	0.332 ± 0.0175	0.332 ± 0.042	100	0.00



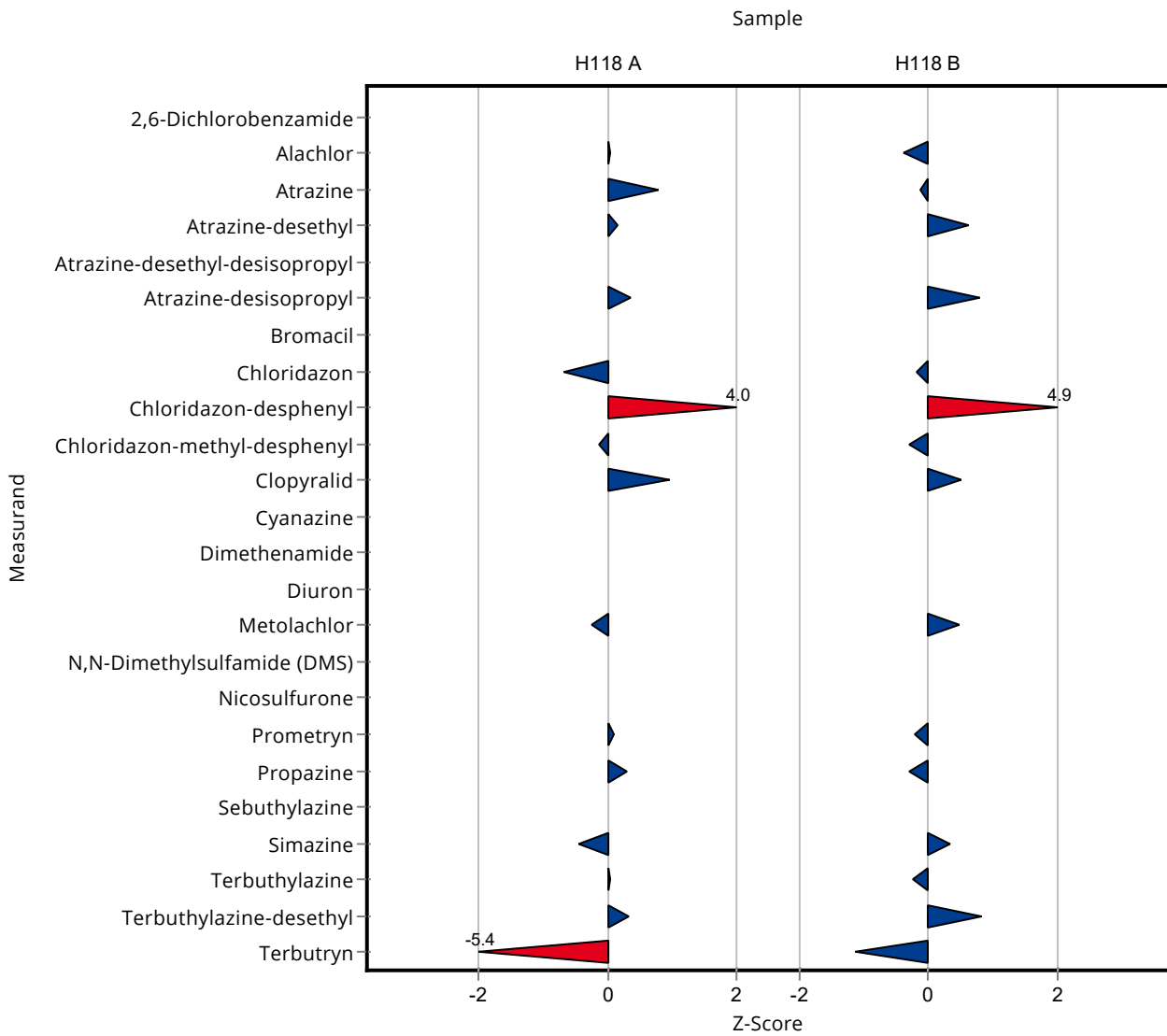
Sample: H118A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
2,6-Dichlorobenzamide	µg/l	0.936 ± 0.0508	- ± -	0.14	-	-
Alachlor	µg/l	0.646 ± 0.0421	0.65 ± 0.0975	0.0775	101	0.05
Atrazine	µg/l	0.605 ± 0.0286	0.6573 ± 0.0986	0.0666	109	0.78
Atrazine-desethyl	µg/l	0.449 ± 0.0244	0.4579 ± 0.0687	0.0539	102	0.17
Atrazine-desethyl-desisopropyl	µg/l	- ± -	0.5423 ± 0.0813	-	-	-
Atrazine-desisopropyl	µg/l	0.292 ± 0.0132	0.3067 ± 0.046	0.0409	105	0.36
Bromacil	µg/l	- ± -	- ± -	-	-	-
Chloridazon	µg/l	0.506 ± 0.0306	0.4603 ± 0.069	0.0657	91	-0.69
Chloridazon-desphenyl	µg/l	0.188 ± 0.022	0.3084 ± 0.0463	0.0301	164	3.98
Chloridazon-methyl-desphenyl	µg/l	0.585 ± 0.046	0.5737 ± 0.086	0.076	98.1	-0.15
Clopyralid	µg/l	0.486 ± 0.075	0.5799 ± 0.087	0.0972	119	0.96
Cyanazine	µg/l	0.833 ± 0.0363	- ± -	0.117	-	-
Dimethenamide	µg/l	0.651 ± 0.045	- ± -	0.0651	-	-
Diuron	µg/l	0.535 ± 0.0265	- ± -	0.0695	-	-
Metolachlor	µg/l	0.623 ± 0.0267	0.6006 ± 0.0901	0.0934	96.4	-0.24
N,N-Dimethylsulfamide (DMS)	µg/l	- ± -	- ± -	-	-	-
Nicosulfurone	µg/l	- ± -	- ± -	-	-	-
Prometryn	µg/l	0.505 ± 0.0111	0.5117 ± 0.0767	0.0656	101	0.11
Propazine	µg/l	0.349 ± 0.0189	0.3633 ± 0.0545	0.0454	104	0.31
Sebuthylazine	µg/l	- ± -	- ± -	-	-	-
Simazine	µg/l	0.462 ± 0.0261	0.44 ± 0.066	0.0509	95.2	-0.44
Terbuthylazine	µg/l	0.262 ± 0.0111	0.2629 ± 0.0394	0.0288	100	0.03
Terbuthylazine-desethyl	µg/l	0.296 ± 0.0149	0.3069 ± 0.046	0.0325	104	0.34
Terbutryn	µg/l	0.628 ± 0.0228	0.2878 ± 0.0432	0.0628	45.8	-5.42

Sample: H118B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
2,6-Dichlorobenzamide	µg/l	0.82 ± 0.0509	- ± -	0.123	-	-
Alachlor	µg/l	0.822 ± 0.0302	0.7843 ± 0.1176	0.0986	95.4	-0.38
Atrazine	µg/l	0.837 ± 0.0256	0.8261 ± 0.1239	0.0921	98.7	-0.12

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Atrazine-desethyl	µg/l	0.796 ± 0.0375	0.8566 ± 0.1285	0.0955	108	0.63
Atrazine-desethyl-desisopropyl	µg/l	- ± -	0.3711 ± 0.0557	-	-	-
Atrazine-desisopropyl	µg/l	0.689 ± 0.0457	0.7661 ± 0.1149	0.0964	111	0.80
Bromacil	µg/l	- ± -	- ± -	-	-	-
Chloridazon	µg/l	0.511 ± 0.03	0.4984 ± 0.0748	0.0664	97.6	-0.18
Chloridazon-desphenyl	µg/l	0.316 ± 0.0166	0.4881 ± 0.0732	0.0348	154	4.93
Chloridazon-methyl-desphenyl	µg/l	0.582 ± 0.029	0.558 ± 0.0837	0.0756	95.9	-0.31
Clopyralid	µg/l	0.806 ± 0.12	0.8875 ± 0.1331	0.161	110	0.50
Cyanazine	µg/l	0.538 ± 0.0254	- ± -	0.0754	-	-
Dimethenamide	µg/l	0.983 ± 0.0996	- ± -	0.148	-	-
Diuron	µg/l	0.509 ± 0.0283	- ± -	0.0662	-	-
Metolachlor	µg/l	0.779 ± 0.0345	0.8357 ± 0.1253	0.117	107	0.49
N,N-Dimethylsulfamide (DMS)	µg/l	0.632 ± 0.136	- ± -	0.164	-	-
Nicosulfurone	µg/l	- ± -	- ± -	-	-	-
Prometryn	µg/l	0.732 ± 0.0216	0.7127 ± 0.1069	0.0952	97.4	-0.20
Propazine	µg/l	0.568 ± 0.0414	0.5471 ± 0.0821	0.0739	96.3	-0.29
Sebuthylazine	µg/l	0.709 ± 0.0233	- ± -	0.066	-	-
Simazine	µg/l	0.557 ± 0.0263	0.5771 ± 0.0866	0.0613	104	0.32
Terbuthylazine	µg/l	0.515 ± 0.0163	0.5009 ± 0.0751	0.0567	97.2	-0.25
Terbuthylazine-desethyl	µg/l	0.597 ± 0.0361	0.6514 ± 0.0977	0.0656	109	0.84
Terbutryn	µg/l	0.332 ± 0.0175	0.294 ± 0.0441	0.0332	88.6	-1.14



Sample: H118A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
2,6-Dichlorobenzamide	µg/l	0.936 ± 0.0508	- ± -	0.14	-	-
Alachlor	µg/l	0.646 ± 0.0421	0.65 ± 0.0975	0.0775	101	0.02
Atrazine	µg/l	0.605 ± 0.0286	0.6573 ± 0.0986	0.0666	109	0.26
Atrazine-desethyl	µg/l	0.449 ± 0.0244	0.4579 ± 0.0687	0.0539	102	0.06
Atrazine-desethyl-desisopropyl	µg/l	- ± -	0.5423 ± 0.0813	-	-	-
Atrazine-desisopropyl	µg/l	0.292 ± 0.0132	0.3067 ± 0.046	0.0409	105	0.16
Bromacil	µg/l	- ± -	- ± -	-	-	-
Chloridazon	µg/l	0.506 ± 0.0306	0.4603 ± 0.069	0.0657	91	-0.32
Chloridazon-desphenyl	µg/l	0.188 ± 0.022	0.3084 ± 0.0463	0.0301	164	1.26
Chloridazon-methyl-desphenyl	µg/l	0.585 ± 0.046	0.5737 ± 0.086	0.076	98.1	-0.06
Clopyralid	µg/l	0.486 ± 0.075	0.5799 ± 0.087	0.0972	119	0.49
Cyanazine	µg/l	0.833 ± 0.0363	- ± -	0.117	-	-
Dimethenamide	µg/l	0.651 ± 0.045	- ± -	0.0651	-	-
Diuron	µg/l	0.535 ± 0.0265	- ± -	0.0695	-	-
Metolachlor	µg/l	0.623 ± 0.0267	0.6006 ± 0.0901	0.0934	96.4	-0.12
N,N-Dimethylsulfamide (DMS)	µg/l	- ± -	- ± -	-	-	-
Nicosulfurone	µg/l	- ± -	- ± -	-	-	-
Prometryn	µg/l	0.505 ± 0.0111	0.5117 ± 0.0767	0.0656	101	0.05
Propazine	µg/l	0.349 ± 0.0189	0.3633 ± 0.0545	0.0454	104	0.13
Sebuthylazine	µg/l	- ± -	- ± -	-	-	-
Simazine	µg/l	0.462 ± 0.0261	0.44 ± 0.066	0.0509	95.2	-0.17
Terbuthylazine	µg/l	0.262 ± 0.0111	0.2629 ± 0.0394	0.0288	100	0.01
Terbuthylazine-desethyl	µg/l	0.296 ± 0.0149	0.3069 ± 0.046	0.0325	104	0.12

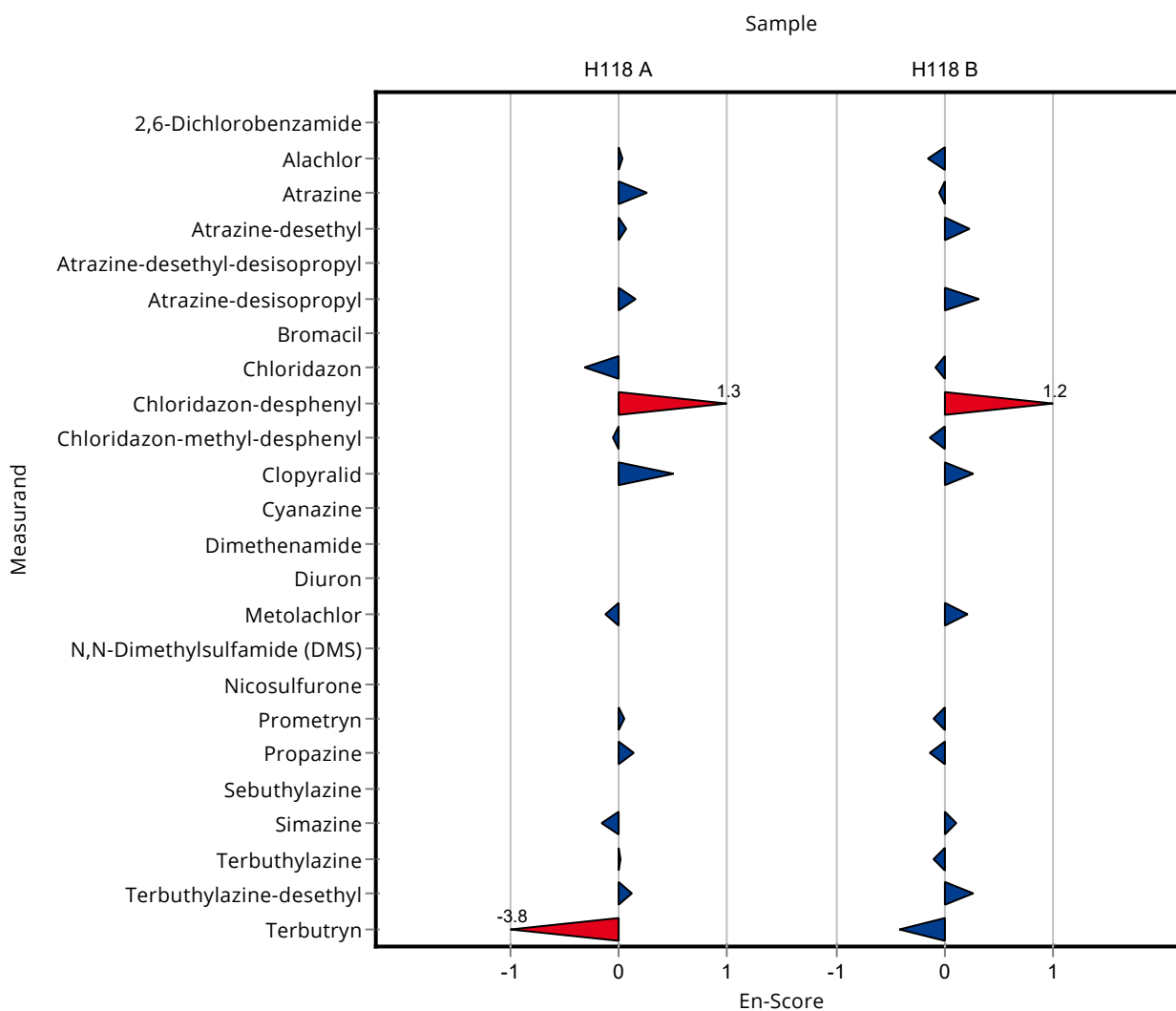
Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Terbutryn	µg/l	0.628 ± 0.0228	0.2878 ± 0.0432	0.0628	45.8	-3.81

Sample: H118B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
2,6-Dichlorobenzamide	µg/l	0.82 ± 0.0509	- ± -	0.123	-	-
Alachlor	µg/l	0.822 ± 0.0302	0.7843 ± 0.1176	0.0986	95.4	-0.16
Atrazine	µg/l	0.837 ± 0.0256	0.8261 ± 0.1239	0.0921	98.7	-0.04
Atrazine-desethyl	µg/l	0.796 ± 0.0375	0.8566 ± 0.1285	0.0955	108	0.23
Atrazine-desethyl-desisopropyl	µg/l	- ± -	0.3711 ± 0.0557	-	-	-
Atrazine-desisopropyl	µg/l	0.689 ± 0.0457	0.7661 ± 0.1149	0.0964	111	0.33
Bromacil	µg/l	- ± -	- ± -	-	-	-
Chloridazon	µg/l	0.511 ± 0.03	0.4984 ± 0.0748	0.0664	97.6	-0.08
Chloridazon-desphenyl	µg/l	0.316 ± 0.0166	0.4881 ± 0.0732	0.0348	154	1.16
Chloridazon-methyl-desphenyl	µg/l	0.582 ± 0.029	0.558 ± 0.0837	0.0756	95.9	-0.14
Clopyralid	µg/l	0.806 ± 0.12	0.8875 ± 0.1331	0.161	110	0.28
Cyanazine	µg/l	0.538 ± 0.0254	- ± -	0.0754	-	-
Dimethenamide	µg/l	0.983 ± 0.0996	- ± -	0.148	-	-
Diuron	µg/l	0.509 ± 0.0283	- ± -	0.0662	-	-
Metolachlor	µg/l	0.779 ± 0.0345	0.8357 ± 0.1253	0.117	107	0.22
N,N-Dimethylsulfamide (DMS)	µg/l	0.632 ± 0.136	- ± -	0.164	-	-
Nicosulfurone	µg/l	- ± -	- ± -	-	-	-
Prometryn	µg/l	0.732 ± 0.0216	0.7127 ± 0.1069	0.0952	97.4	-0.09
Propazine	µg/l	0.568 ± 0.0414	0.5471 ± 0.0821	0.0739	96.3	-0.13
Sebuthylazine	µg/l	0.709 ± 0.0233	- ± -	0.066	-	-
Simazine	µg/l	0.557 ± 0.0263	0.5771 ± 0.0866	0.0613	104	0.11



Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion Recovery	En-Score
				[%]	
Terbuthylazine	µg/l	0.515 ± 0.0163	0.5009 ± 0.0751	0.0567	97.2 -0.10
Terbuthylazine-desethyl	µg/l	0.597 ± 0.0361	0.6514 ± 0.0977	0.0656	109 0.28
Terbutryn	µg/l	0.332 ± 0.0175	0.294 ± 0.0441	0.0332	88.6 -0.42



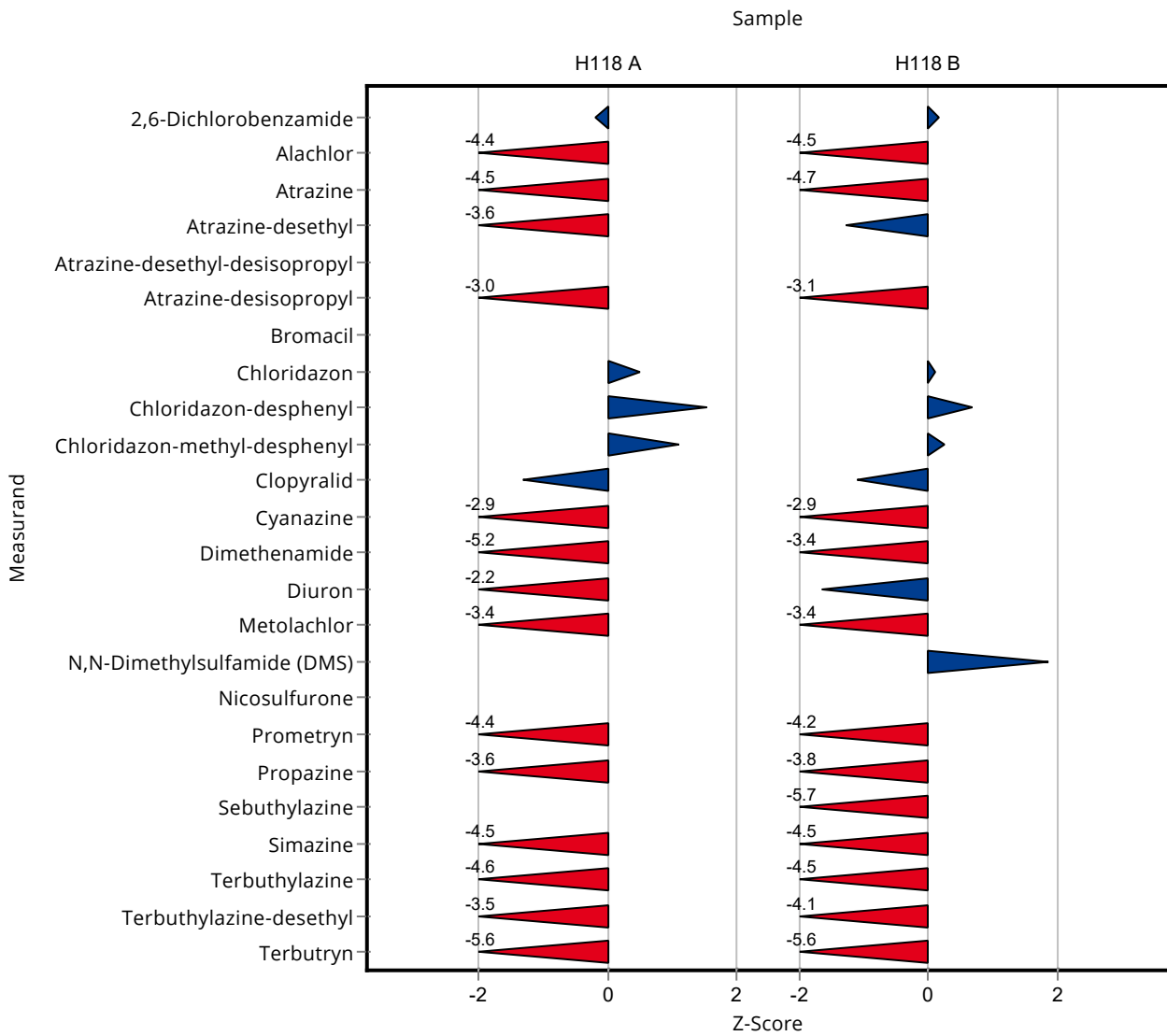
Sample: H118A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
2,6-Dichlorobenzamide	µg/l	0.936 ± 0.0508	0.91 ± 0.182	0.14	97.2	-0.18
Alachlor	µg/l	0.646 ± 0.0421	0.305 ± 0.061	0.0775	47.2	-4.40
Atrazine	µg/l	0.605 ± 0.0286	0.303 ± 0.061	0.0666	50.1	-4.54
Atrazine-desethyl	µg/l	0.449 ± 0.0244	0.253 ± 0.051	0.0539	56.4	-3.64
Atrazine-desethyl-desisopropyl	µg/l	- ± -	0.255 ± 0.051	-	-	-
Atrazine-desisopropyl	µg/l	0.292 ± 0.0132	0.17 ± 0.034	0.0409	58.2	-2.99
Bromacil	µg/l	- ± -	0.303 ± 0.061	-	-	-
Chloridazon	µg/l	0.506 ± 0.0306	0.538 ± 0.108	0.0657	106	0.49
Chloridazon-desphenyl	µg/l	0.188 ± 0.022	0.235 ± 0.047	0.0301	125	1.55
Chloridazon-methyl-desphenyl	µg/l	0.585 ± 0.046	0.67 ± 0.134	0.076	115	1.12
Clopyralid	µg/l	0.486 ± 0.075	0.359 ± 0.09	0.0972	73.8	-1.31
Cyanazine	µg/l	0.833 ± 0.0363	0.496 ± 0.099	0.117	59.5	-2.89
Dimethenamide	µg/l	0.651 ± 0.045	0.313 ± 0.063	0.0651	48.1	-5.19
Diuron	µg/l	0.535 ± 0.0265	0.384 ± 0.077	0.0695	71.8	-2.17
Metolachlor	µg/l	0.623 ± 0.0267	0.307 ± 0.061	0.0934	49.3	-3.38
N,N-Dimethylsulfamide (DMS)	µg/l	- ± -	1.5 ± 0.3	-	-	-
Nicosulfurone	µg/l	- ± -	1.15 ± 0.23	-	-	-
Prometryn	µg/l	0.505 ± 0.0111	0.219 ± 0.044	0.0656	43.4	-4.35
Propazine	µg/l	0.349 ± 0.0189	0.187 ± 0.037	0.0454	53.5	-3.57
Sebuthylazine	µg/l	- ± -	<0.05 (LOQ) ± -	-	-	-
Simazine	µg/l	0.462 ± 0.0261	0.236 ± 0.047	0.0509	51	-4.45
Terbuthylazine	µg/l	0.262 ± 0.0111	0.129 ± 0.026	0.0288	49.2	-4.62
Terbuthylazine-desethyl	µg/l	0.296 ± 0.0149	0.181 ± 0.036	0.0325	61.2	-3.53
Terbutryn	µg/l	0.628 ± 0.0228	0.277 ± 0.055	0.0628	44.1	-5.59

Sample: H118B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
2,6-Dichlorobenzamide	µg/l	0.82 ± 0.0509	0.84 ± 0.168	0.123	102	0.17
Alachlor	µg/l	0.822 ± 0.0302	0.381 ± 0.076	0.0986	46.4	-4.47
Atrazine	µg/l	0.837 ± 0.0256	0.408 ± 0.082	0.0921	48.7	-4.66

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Atrazine-desethyl	µg/l	0.796 ± 0.0375	0.674 ± 0.135	0.0955	84.7	-1.28
Atrazine-desethyl-desisopropyl	µg/l	- ± -	0.565 ± 0.113	-	-	-
Atrazine-desisopropyl	µg/l	0.689 ± 0.0457	0.392 ± 0.078	0.0964	56.9	-3.08
Bromacil	µg/l	- ± -	0.595 ± 0.119	-	-	-
Chloridazon	µg/l	0.511 ± 0.03	0.518 ± 0.104	0.0664	101	0.11
Chloridazon-desphenyl	µg/l	0.316 ± 0.0166	0.34 ± 0.068	0.0348	107	0.68
Chloridazon-methyl-desphenyl	µg/l	0.582 ± 0.029	0.6 ± 0.12	0.0756	103	0.24
Clopyralid	µg/l	0.806 ± 0.12	0.628 ± 0.157	0.161	77.9	-1.11
Cyanazine	µg/l	0.538 ± 0.0254	0.318 ± 0.064	0.0754	59.1	-2.92
Dimethenamide	µg/l	0.983 ± 0.0996	0.476 ± 0.095	0.148	48.4	-3.44
Diuron	µg/l	0.509 ± 0.0283	0.4 ± 0.08	0.0662	78.5	-1.65
Metolachlor	µg/l	0.779 ± 0.0345	0.387 ± 0.077	0.117	49.7	-3.35
N,N-Dimethylsulfamide (DMS)	µg/l	0.632 ± 0.136	0.94 ± 0.188	0.164	149	1.88
Nicosulfurone	µg/l	- ± -	1.84 ± 0.37	-	-	-
Prometryn	µg/l	0.732 ± 0.0216	0.328 ± 0.066	0.0952	44.8	-4.25
Propazine	µg/l	0.568 ± 0.0414	0.285 ± 0.057	0.0739	50.1	-3.84
Sebuthylazine	µg/l	0.709 ± 0.0233	0.334 ± 0.067	0.066	47.1	-5.69
Simazine	µg/l	0.557 ± 0.0263	0.282 ± 0.056	0.0613	50.6	-4.49
Terbuthylazine	µg/l	0.515 ± 0.0163	0.258 ± 0.052	0.0567	50.1	-4.54
Terbuthylazine-desethyl	µg/l	0.597 ± 0.0361	0.329 ± 0.066	0.0656	55.1	-4.08
Terbutryn	µg/l	0.332 ± 0.0175	0.145 ± 0.029	0.0332	43.7	-5.63



## Sample: H118A

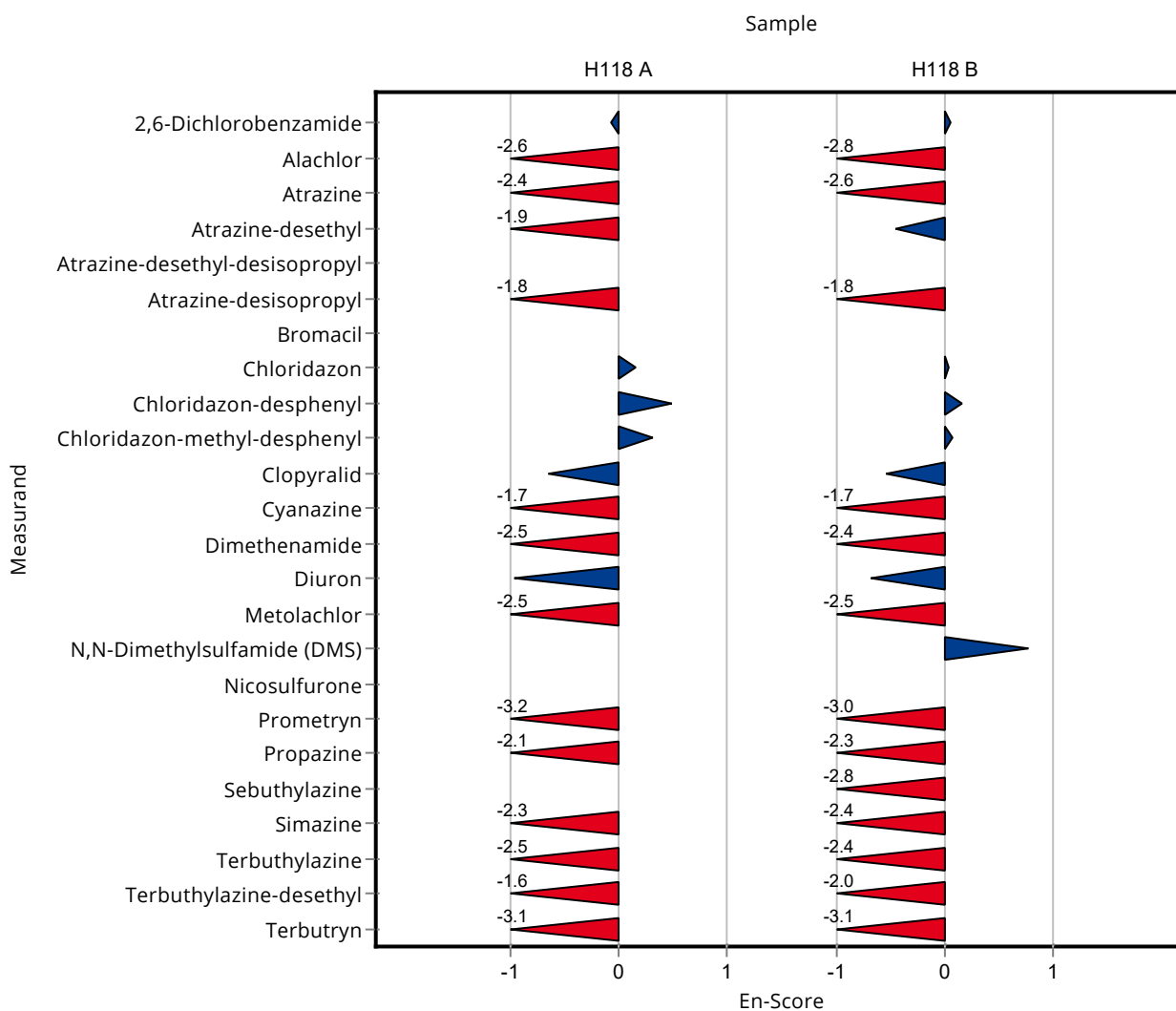
Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
2,6-Dichlorobenzamide	µg/l	0.936 ± 0.0508	0.91 ± 0.182	0.14	97.2	-0.07
Alachlor	µg/l	0.646 ± 0.0421	0.305 ± 0.061	0.0775	47.2	-2.64
Atrazine	µg/l	0.605 ± 0.0286	0.303 ± 0.061	0.0666	50.1	-2.41
Atrazine-desethyl	µg/l	0.449 ± 0.0244	0.253 ± 0.051	0.0539	56.4	-1.87
Atrazine-desethyl-desisopropyl	µg/l	- ± -	0.255 ± 0.051	-	-	-
Atrazine-desisopropyl	µg/l	0.292 ± 0.0132	0.17 ± 0.034	0.0409	58.2	-1.76
Bromacil	µg/l	- ± -	0.303 ± 0.061	-	-	-
Chloridazon	µg/l	0.506 ± 0.0306	0.538 ± 0.108	0.0657	106	0.15
Chloridazon-desphenyl	µg/l	0.188 ± 0.022	0.235 ± 0.047	0.0301	125	0.48
Chloridazon-methyl-desphenyl	µg/l	0.585 ± 0.046	0.67 ± 0.134	0.076	115	0.31
Clopyralid	µg/l	0.486 ± 0.075	0.359 ± 0.09	0.0972	73.8	-0.65
Cyanazine	µg/l	0.833 ± 0.0363	0.496 ± 0.099	0.117	59.5	-1.68
Dimethenamide	µg/l	0.651 ± 0.045	0.313 ± 0.063	0.0651	48.1	-2.52
Diuron	µg/l	0.535 ± 0.0265	0.384 ± 0.077	0.0695	71.8	-0.96
Metolachlor	µg/l	0.623 ± 0.0267	0.307 ± 0.061	0.0934	49.3	-2.53
N,N-Dimethylsulfamide (DMS)	µg/l	- ± -	1.5 ± 0.3	-	-	-
Nicosulfurone	µg/l	- ± -	1.15 ± 0.23	-	-	-
Prometryn	µg/l	0.505 ± 0.0111	0.219 ± 0.044	0.0656	43.4	-3.22
Propazine	µg/l	0.349 ± 0.0189	0.187 ± 0.037	0.0454	53.5	-2.13
Sebuthylazine	µg/l	- ± -	<0.05 (LOQ) ± -	-	-	-
Simazine	µg/l	0.462 ± 0.0261	0.236 ± 0.047	0.0509	51	-2.32
Terbuthylazine	µg/l	0.262 ± 0.0111	0.129 ± 0.026	0.0288	49.2	-2.50
Terbuthylazine-desethyl	µg/l	0.296 ± 0.0149	0.181 ± 0.036	0.0325	61.2	-1.56

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Terbutryn	µg/l	0.628 ± 0.0228	0.277 ± 0.055	0.0628	44.1	-3.13

Sample: H118B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
2,6-Dichlorobenzamide	µg/l	0.82 ± 0.0509	0.84 ± 0.168	0.123	102	0.06
Alachlor	µg/l	0.822 ± 0.0302	0.381 ± 0.076	0.0986	46.4	-2.85
Atrazine	µg/l	0.837 ± 0.0256	0.408 ± 0.082	0.0921	48.7	-2.58
Atrazine-desethyl	µg/l	0.796 ± 0.0375	0.674 ± 0.135	0.0955	84.7	-0.45
Atrazine-desethyl-desisopropyl	µg/l	- ± -	0.565 ± 0.113	-	-	-
Atrazine-desisopropyl	µg/l	0.689 ± 0.0457	0.392 ± 0.078	0.0964	56.9	-1.82
Bromacil	µg/l	- ± -	0.595 ± 0.119	-	-	-
Chloridazon	µg/l	0.511 ± 0.03	0.518 ± 0.104	0.0664	101	0.03
Chloridazon-desphenyl	µg/l	0.316 ± 0.0166	0.34 ± 0.068	0.0348	107	0.17
Chloridazon-methyl-desphenyl	µg/l	0.582 ± 0.029	0.6 ± 0.12	0.0756	103	0.08
Clopyralid	µg/l	0.806 ± 0.12	0.628 ± 0.157	0.161	77.9	-0.53
Cyanazine	µg/l	0.538 ± 0.0254	0.318 ± 0.064	0.0754	59.1	-1.69
Dimethenamide	µg/l	0.983 ± 0.0996	0.476 ± 0.095	0.148	48.4	-2.36
Diuron	µg/l	0.509 ± 0.0283	0.4 ± 0.08	0.0662	78.5	-0.67
Metolachlor	µg/l	0.779 ± 0.0345	0.387 ± 0.077	0.117	49.7	-2.48
N,N-Dimethylsulfamide (DMS)	µg/l	0.632 ± 0.136	0.94 ± 0.188	0.164	149	0.77
Nicosulfurone	µg/l	- ± -	1.84 ± 0.37	-	-	-
Prometryn	µg/l	0.732 ± 0.0216	0.328 ± 0.066	0.0952	44.8	-3.02
Propazine	µg/l	0.568 ± 0.0414	0.285 ± 0.057	0.0739	50.1	-2.34
Sebuthylazine	µg/l	0.709 ± 0.0233	0.334 ± 0.067	0.066	47.1	-2.76
Simazine	µg/l	0.557 ± 0.0263	0.282 ± 0.056	0.0613	50.6	-2.39

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion Recovery [%]	En-Score
Terbuthylazine	µg/l	0.515 ± 0.0163	0.258 ± 0.052	0.0567	50.1 -2.44
Terbuthylazine-desethyl	µg/l	0.597 ± 0.0361	0.329 ± 0.066	0.0656	55.1 -1.96
Terbutryn	µg/l	0.332 ± 0.0175	0.145 ± 0.029	0.0332	43.7 -3.09



Sample: H118A

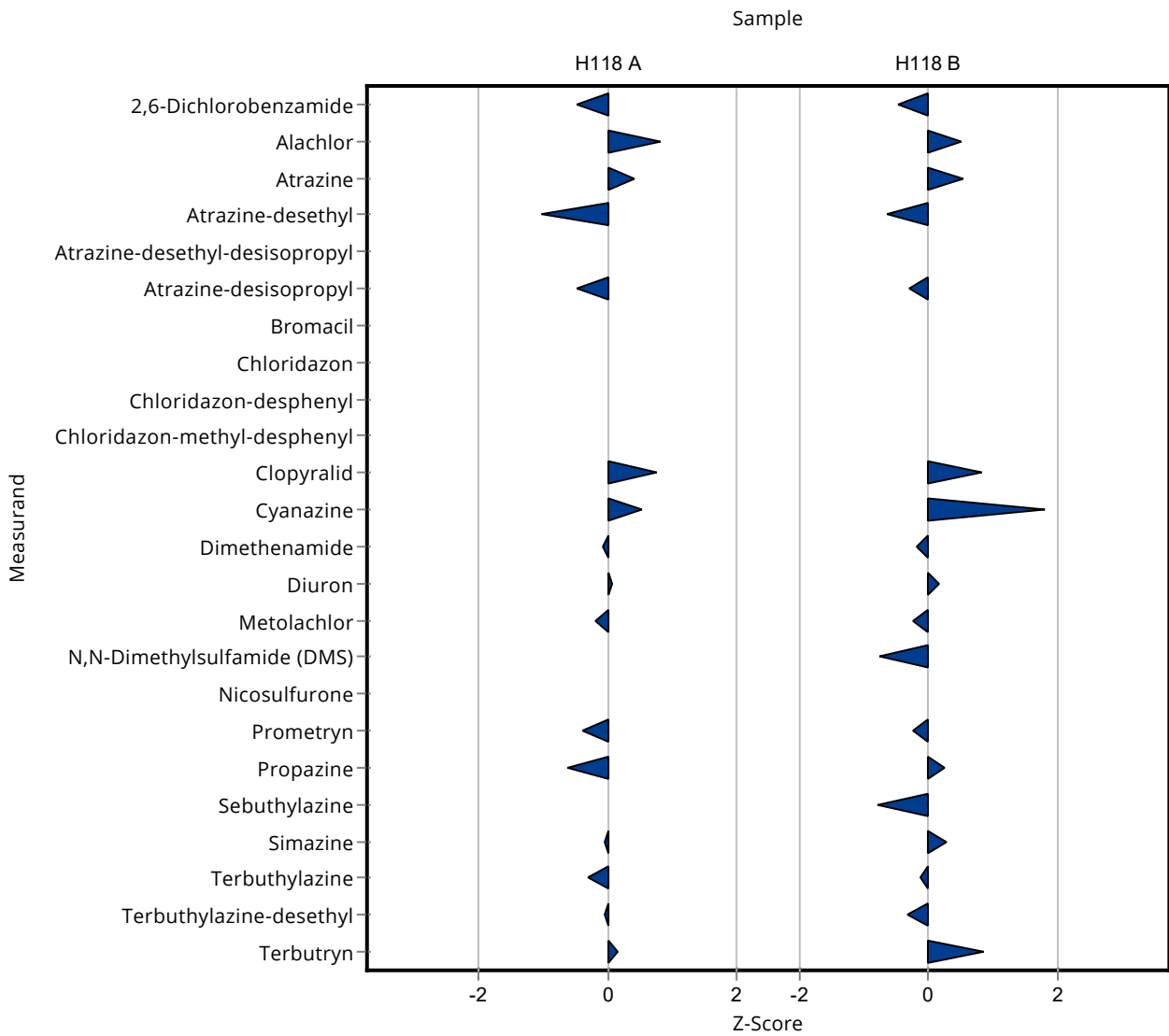
Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
2,6-Dichlorobenzamide	µg/l	0.936 ± 0.0508	0.869 ± 0.13	0.14	92.9	-0.48
Alachlor	µg/l	0.646 ± 0.0421	0.709 ± 0.106	0.0775	110	0.81
Atrazine	µg/l	0.605 ± 0.0286	0.633 ± 0.095	0.0666	105	0.42
Atrazine-desethyl	µg/l	0.449 ± 0.0244	0.394 ± 0.059	0.0539	87.8	-1.02
Atrazine-desethyl-desisopropyl	µg/l	- ± -	0.292 ± 0.044	-	-	-
Atrazine-desisopropyl	µg/l	0.292 ± 0.0132	0.273 ± 0.041	0.0409	93.5	-0.47
Bromacil	µg/l	- ± -	0.487 ± 0.073	-	-	-
Chloridazon	µg/l	0.506 ± 0.0306	- ± -	0.0657	-	-
Chloridazon-desphenyl	µg/l	0.188 ± 0.022	- ± -	0.0301	-	-
Chloridazon-methyl-desphenyl	µg/l	0.585 ± 0.046	- ± -	0.076	-	-
Clopyralid	µg/l	0.486 ± 0.075	0.56 ± 0.084	0.0972	115	0.76
Cyanazine	µg/l	0.833 ± 0.0363	0.894 ± 0.134	0.117	107	0.52
Dimethenamide	µg/l	0.651 ± 0.045	0.645 ± 0.097	0.0651	99.1	-0.09
Diuron	µg/l	0.535 ± 0.0265	0.539 ± 0.081	0.0695	101	0.06
Metolachlor	µg/l	0.623 ± 0.0267	0.605 ± 0.091	0.0934	97.1	-0.19
N,N-Dimethylsulfamide (DMS)	µg/l	- ± -	0.801 ± 0.12	-	-	-
Nicosulfurone	µg/l	- ± -	0.433 ± 0.065	-	-	-
Prometryn	µg/l	0.505 ± 0.0111	0.479 ± 0.072	0.0656	94.9	-0.39
Propazine	µg/l	0.349 ± 0.0189	0.321 ± 0.048	0.0454	91.9	-0.62
Sebuthylazine	µg/l	- ± -	<0.028 (LOQ) ± -	-	-	-
Simazine	µg/l	0.462 ± 0.0261	0.46 ± 0.069	0.0509	99.5	-0.05
Terbuthylazine	µg/l	0.262 ± 0.0111	0.253 ± 0.038	0.0288	96.5	-0.31
Terbuthylazine-desethyl	µg/l	0.296 ± 0.0149	0.294 ± 0.044	0.0325	99.4	-0.06
Terbutryn	µg/l	0.628 ± 0.0228	0.639 ± 0.096	0.0628	102	0.17

Sample: H118B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
2,6-Dichlorobenzamide	µg/l	0.82 ± 0.0509	0.76 ± 0.114	0.123	92.7	-0.49
Alachlor	µg/l	0.822 ± 0.0302	0.871 ± 0.131	0.0986	106	0.50
Atrazine	µg/l	0.837 ± 0.0256	0.887 ± 0.133	0.0921	106	0.54



Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Atrazine-desethyl	µg/l	0.796 ± 0.0375	0.733 ± 0.11	0.0955	92.1	-0.66
Atrazine-desethyl-desisopropyl	µg/l	- ± -	0.313 ± 0.047	-	-	-
Atrazine-desisopropyl	µg/l	0.689 ± 0.0457	0.659 ± 0.099	0.0964	95.7	-0.31
Bromacil	µg/l	- ± -	0.966 ± 0.145	-	-	-
Chloridazon	µg/l	0.511 ± 0.03	- ± -	0.0664	-	-
Chloridazon-desphenyl	µg/l	0.316 ± 0.0166	- ± -	0.0348	-	-
Chloridazon-methyl-desphenyl	µg/l	0.582 ± 0.029	- ± -	0.0756	-	-
Clopyralid	µg/l	0.806 ± 0.12	0.942 ± 0.141	0.161	117	0.84
Cyanazine	µg/l	0.538 ± 0.0254	0.675 ± 0.101	0.0754	125	1.81
Dimethenamide	µg/l	0.983 ± 0.0996	0.954 ± 0.143	0.148	97	-0.20
Diuron	µg/l	0.509 ± 0.0283	0.52 ± 0.078	0.0662	102	0.16
Metolachlor	µg/l	0.779 ± 0.0345	0.749 ± 0.112	0.117	96.2	-0.26
N,N-Dimethylsulfamide (DMS)	µg/l	0.632 ± 0.136	0.507 ± 0.076	0.164	80.2	-0.76
Nicosulfurone	µg/l	- ± -	0.655 ± 0.098	-	-	-
Prometryn	µg/l	0.732 ± 0.0216	0.71 ± 0.107	0.0952	97	-0.23
Propazine	µg/l	0.568 ± 0.0414	0.587 ± 0.088	0.0739	103	0.25
Sebuthylazine	µg/l	0.709 ± 0.0233	0.657 ± 0.099	0.066	92.6	-0.79
Simazine	µg/l	0.557 ± 0.0263	0.575 ± 0.086	0.0613	103	0.29
Terbuthylazine	µg/l	0.515 ± 0.0163	0.508 ± 0.076	0.0567	98.6	-0.13
Terbuthylazine-desethyl	µg/l	0.597 ± 0.0361	0.574 ± 0.086	0.0656	96.2	-0.34
Terbutryn	µg/l	0.332 ± 0.0175	0.36 ± 0.054	0.0332	108	0.84



## Sample: H118A

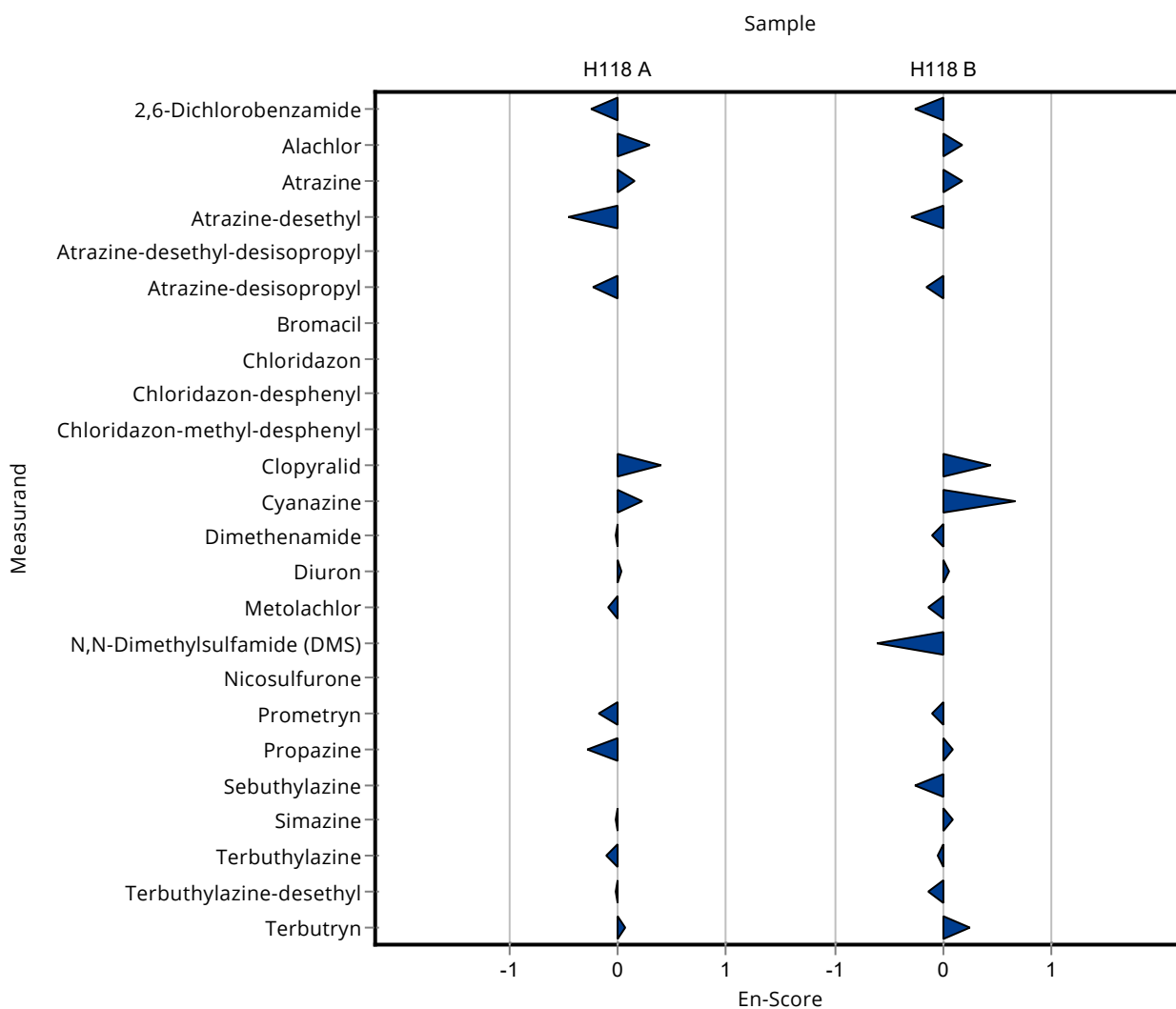
Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
2,6-Dichlorobenzamide	µg/l	0.936 ± 0.0508	0.869 ± 0.13	0.14	92.9	-0.25
Alachlor	µg/l	0.646 ± 0.0421	0.709 ± 0.106	0.0775	110	0.29
Atrazine	µg/l	0.605 ± 0.0286	0.633 ± 0.095	0.0666	105	0.14
Atrazine-desethyl	µg/l	0.449 ± 0.0244	0.394 ± 0.059	0.0539	87.8	-0.46
Atrazine-desethyl-desisopropyl	µg/l	- ± -	0.292 ± 0.044	-	-	-
Atrazine-desisopropyl	µg/l	0.292 ± 0.0132	0.273 ± 0.041	0.0409	93.5	-0.23
Bromacil	µg/l	- ± -	0.487 ± 0.073	-	-	-
Chloridazon	µg/l	0.506 ± 0.0306	- ± -	0.0657	-	-
Chloridazon-desphenyl	µg/l	0.188 ± 0.022	- ± -	0.0301	-	-
Chloridazon-methyl-desphenyl	µg/l	0.585 ± 0.046	- ± -	0.076	-	-
Clopyralid	µg/l	0.486 ± 0.075	0.56 ± 0.084	0.0972	115	0.40
Cyanazine	µg/l	0.833 ± 0.0363	0.894 ± 0.134	0.117	107	0.22
Dimethenamide	µg/l	0.651 ± 0.045	0.645 ± 0.097	0.0651	99.1	-0.03
Diuron	µg/l	0.535 ± 0.0265	0.539 ± 0.081	0.0695	101	0.03
Metolachlor	µg/l	0.623 ± 0.0267	0.605 ± 0.091	0.0934	97.1	-0.10
N,N-Dimethylsulfamide (DMS)	µg/l	- ± -	0.801 ± 0.12	-	-	-
Nicosulfurone	µg/l	- ± -	0.433 ± 0.065	-	-	-
Prometryn	µg/l	0.505 ± 0.0111	0.479 ± 0.072	0.0656	94.9	-0.18
Propazine	µg/l	0.349 ± 0.0189	0.321 ± 0.048	0.0454	91.9	-0.29
Sebuthylazine	µg/l	- ± -	<0.028 (LOQ) ± -	-	-	-
Simazine	µg/l	0.462 ± 0.0261	0.46 ± 0.069	0.0509	99.5	-0.02
Terbuthylazine	µg/l	0.262 ± 0.0111	0.253 ± 0.038	0.0288	96.5	-0.12
Terbuthylazine-desethyl	µg/l	0.296 ± 0.0149	0.294 ± 0.044	0.0325	99.4	-0.02

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Terbutryn	µg/l	0.628 ± 0.0228	0.639 ± 0.096	0.0628	102	0.05

## Sample: H118B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
2,6-Dichlorobenzamide	µg/l	0.82 ± 0.0509	0.76 ± 0.114	0.123	92.7	-0.26
Alachlor	µg/l	0.822 ± 0.0302	0.871 ± 0.131	0.0986	106	0.19
Atrazine	µg/l	0.837 ± 0.0256	0.887 ± 0.133	0.0921	106	0.19
Atrazine-desethyl	µg/l	0.796 ± 0.0375	0.733 ± 0.11	0.0955	92.1	-0.28
Atrazine-desethyl-desisopropyl	µg/l	- ± -	0.313 ± 0.047	-	-	-
Atrazine-desisopropyl	µg/l	0.689 ± 0.0457	0.659 ± 0.099	0.0964	95.7	-0.15
Bromacil	µg/l	- ± -	0.966 ± 0.145	-	-	-
Chloridazon	µg/l	0.511 ± 0.03	- ± -	0.0664	-	-
Chloridazon-desphenyl	µg/l	0.316 ± 0.0166	- ± -	0.0348	-	-
Chloridazon-methyl-desphenyl	µg/l	0.582 ± 0.029	- ± -	0.0756	-	-
Clopyralid	µg/l	0.806 ± 0.12	0.942 ± 0.141	0.161	117	0.44
Cyanazine	µg/l	0.538 ± 0.0254	0.675 ± 0.101	0.0754	125	0.67
Dimethenamide	µg/l	0.983 ± 0.0996	0.954 ± 0.143	0.148	97	-0.10
Diuron	µg/l	0.509 ± 0.0283	0.52 ± 0.078	0.0662	102	0.07
Metolachlor	µg/l	0.779 ± 0.0345	0.749 ± 0.112	0.117	96.2	-0.13
N,N-Dimethylsulfamide (DMS)	µg/l	0.632 ± 0.136	0.507 ± 0.076	0.164	80.2	-0.61
Nicosulfurone	µg/l	- ± -	0.655 ± 0.098	-	-	-
Prometryn	µg/l	0.732 ± 0.0216	0.71 ± 0.107	0.0952	97	-0.10
Propazine	µg/l	0.568 ± 0.0414	0.587 ± 0.088	0.0739	103	0.10
Sebuthylazine	µg/l	0.709 ± 0.0233	0.657 ± 0.099	0.066	92.6	-0.26
Simazine	µg/l	0.557 ± 0.0263	0.575 ± 0.086	0.0613	103	0.10

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion Recovery	En-Score
				[%]	
Terbutylazine	µg/l	0.515 ± 0.0163	0.508 ± 0.076	98.6	-0.05
Terbutylazine-desethyl	µg/l	0.597 ± 0.0361	0.574 ± 0.086	96.2	-0.13
Terbutryn	µg/l	0.332 ± 0.0175	0.36 ± 0.054	108	0.26



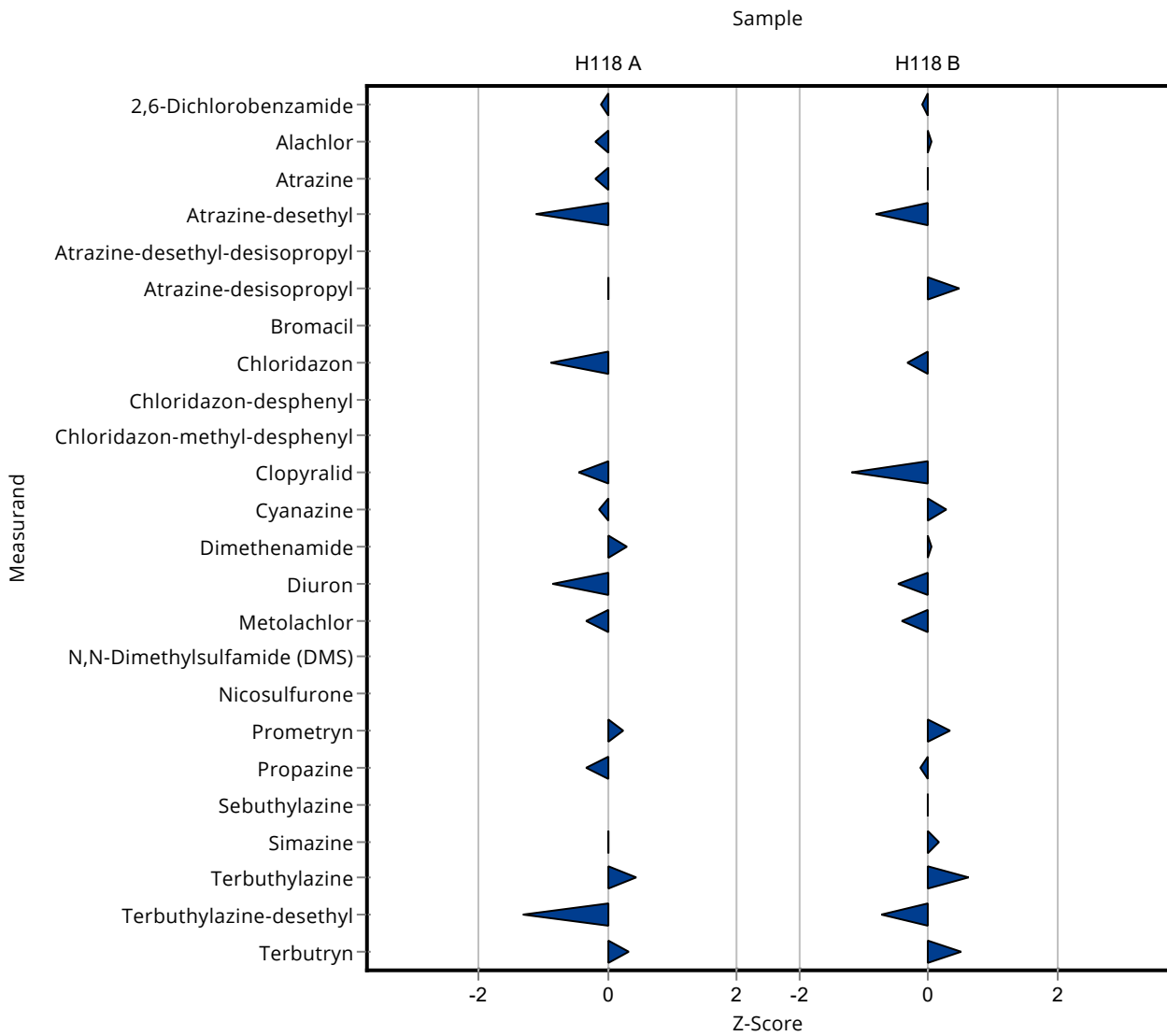
Sample: H118A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
2,6-Dichlorobenzamide	µg/l	0.936 ± 0.0508	0.923 ± 0.014	0.14	98.6	-0.09
Alachlor	µg/l	0.646 ± 0.0421	0.632 ± 0.013	0.0775	97.8	-0.18
Atrazine	µg/l	0.605 ± 0.0286	0.592 ± 0.007	0.0666	97.8	-0.20
Atrazine-desethyl	µg/l	0.449 ± 0.0244	0.389 ± 0.022	0.0539	86.7	-1.11
Atrazine-desethyl-desisopropyl	µg/l	- ± -	- ± -	-	-	-
Atrazine-desisopropyl	µg/l	0.292 ± 0.0132	0.292 ± 0.006	0.0409	100	0.00
Bromacil	µg/l	- ± -	0.48 ± 0.009	-	-	-
Chloridazon	µg/l	0.506 ± 0.0306	0.448 ± 0.028	0.0657	88.6	-0.88
Chloridazon-desphenyl	µg/l	0.188 ± 0.022	- ± -	0.0301	-	-
Chloridazon-methyl-desphenyl	µg/l	0.585 ± 0.046	- ± -	0.076	-	-
Clopyralid	µg/l	0.486 ± 0.075	0.443 ± 0.01	0.0972	91.1	-0.44
Cyanazine	µg/l	0.833 ± 0.0363	0.817 ± 0.013	0.117	98	-0.14
Dimethenamide	µg/l	0.651 ± 0.045	0.67 ± 0.023	0.0651	103	0.30
Diuron	µg/l	0.535 ± 0.0265	0.475 ± 0.003	0.0695	88.9	-0.86
Metolachlor	µg/l	0.623 ± 0.0267	0.591 ± 0.015	0.0934	94.9	-0.34
N,N-Dimethylsulfamide (DMS)	µg/l	- ± -	- ± -	-	-	-
Nicosulfurone	µg/l	- ± -	- ± -	-	-	-
Prometryn	µg/l	0.505 ± 0.0111	0.52 ± 0.008	0.0656	103	0.23
Propazine	µg/l	0.349 ± 0.0189	0.334 ± 0.003	0.0454	95.6	-0.34
Sebuthylazine	µg/l	- ± -	<0.025 (LOQ) ± -	-	-	-
Simazine	µg/l	0.462 ± 0.0261	0.463 ± 0.008	0.0509	100	0.01
Terbuthylazine	µg/l	0.262 ± 0.0111	0.275 ± 0.005	0.0288	105	0.45
Terbuthylazine-desethyl	µg/l	0.296 ± 0.0149	0.253 ± 0.018	0.0325	85.5	-1.32
Terbutryn	µg/l	0.628 ± 0.0228	0.649 ± 0.006	0.0628	103	0.33

Sample: H118B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
2,6-Dichlorobenzamide	µg/l	0.82 ± 0.0509	0.809 ± 0.012	0.123	98.7	-0.09
Alachlor	µg/l	0.822 ± 0.0302	0.827 ± 0.045	0.0986	101	0.05
Atrazine	µg/l	0.837 ± 0.0256	0.837 ± 0.028	0.0921	100	0.00

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Atrazine-desethyl	µg/l	0.796 ± 0.0375	0.718 ± 0.025	0.0955	90.2	-0.82
Atrazine-desethyl-desisopropyl	µg/l	- ± -	- ± -	-	-	-
Atrazine-desisopropyl	µg/l	0.689 ± 0.0457	0.734 ± 0.026	0.0964	107	0.47
Bromacil	µg/l	- ± -	0.998 ± 0.025	-	-	-
Chloridazon	µg/l	0.511 ± 0.03	0.488 ± 0.02	0.0664	95.6	-0.34
Chloridazon-desphenyl	µg/l	0.316 ± 0.0166	- ± -	0.0348	-	-
Chloridazon-methyl-desphenyl	µg/l	0.582 ± 0.029	- ± -	0.0756	-	-
Clopyralid	µg/l	0.806 ± 0.12	0.615 ± 0.037	0.161	76.3	-1.19
Cyanazine	µg/l	0.538 ± 0.0254	0.56 ± 0.015	0.0754	104	0.29
Dimethenamide	µg/l	0.983 ± 0.0996	0.99 ± 0.03	0.148	101	0.05
Diuron	µg/l	0.509 ± 0.0283	0.478 ± 0.005	0.0662	93.8	-0.48
Metolachlor	µg/l	0.779 ± 0.0345	0.73 ± 0.009	0.117	93.7	-0.42
N,N-Dimethylsulfamide (DMS)	µg/l	0.632 ± 0.136	- ± -	0.164	-	-
Nicosulfurone	µg/l	- ± -	- ± -	-	-	-
Prometryn	µg/l	0.732 ± 0.0216	0.765 ± 0.024	0.0952	104	0.35
Propazine	µg/l	0.568 ± 0.0414	0.559 ± 0.012	0.0739	98.3	-0.13
Sebuthylazine	µg/l	0.709 ± 0.0233	0.709 ± 0.021	0.066	99.9	-0.01
Simazine	µg/l	0.557 ± 0.0263	0.567 ± 0.012	0.0613	102	0.16
Terbuthylazine	µg/l	0.515 ± 0.0163	0.551 ± 0.008	0.0567	107	0.63
Terbuthylazine-desethyl	µg/l	0.597 ± 0.0361	0.549 ± 0.023	0.0656	92	-0.72
Terbutryn	µg/l	0.332 ± 0.0175	0.349 ± 0.012	0.0332	105	0.51





Sample: H118A

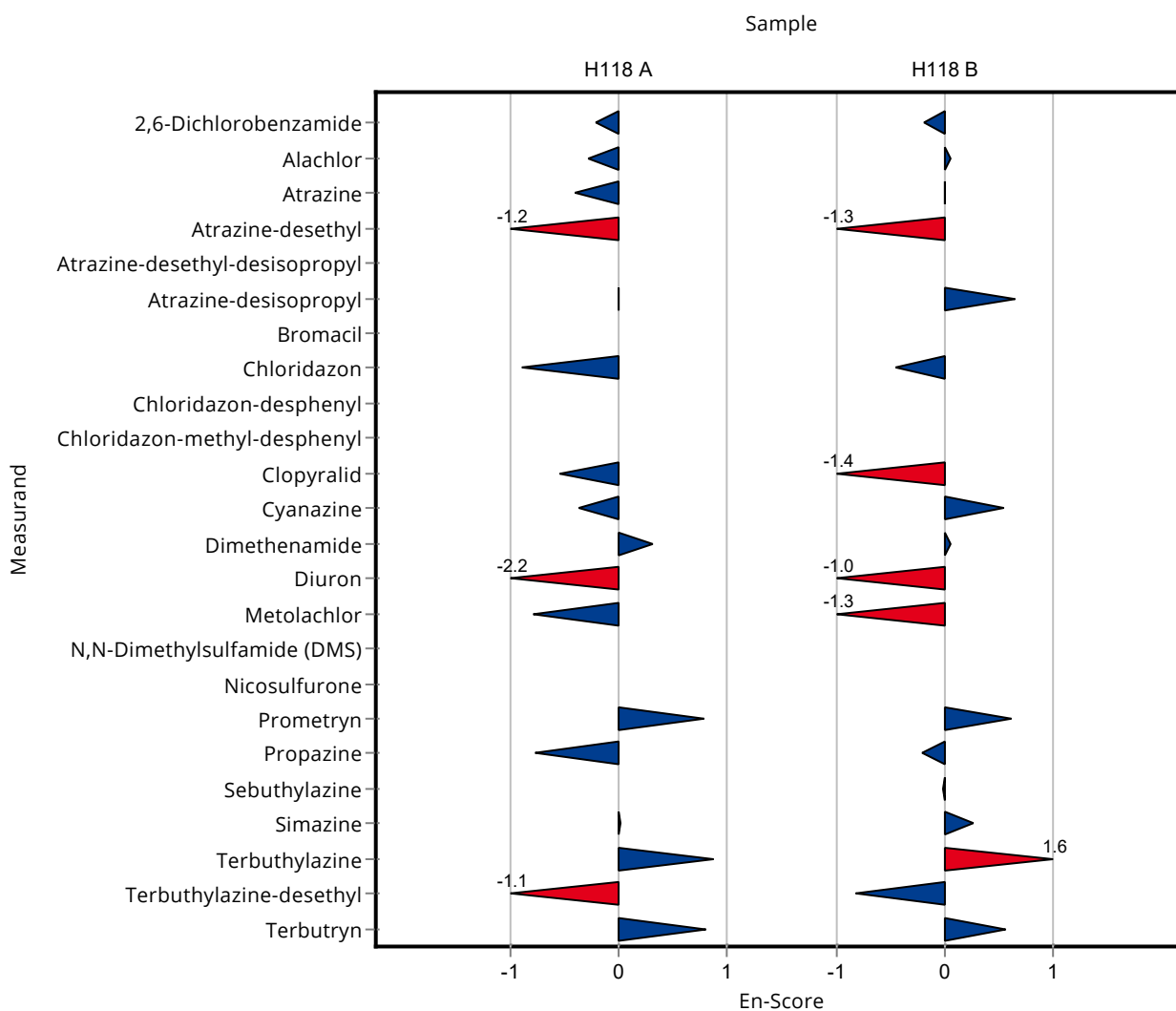
Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
2,6-Dichlorobenzamide	µg/l	0.936 ± 0.0508	0.923 ± 0.014	0.14	98.6	-0.22
Alachlor	µg/l	0.646 ± 0.0421	0.632 ± 0.013	0.0775	97.8	-0.29
Atrazine	µg/l	0.605 ± 0.0286	0.592 ± 0.007	0.0666	97.8	-0.42
Atrazine-desethyl	µg/l	0.449 ± 0.0244	0.389 ± 0.022	0.0539	86.7	-1.19
Atrazine-desethyl-desisopropyl	µg/l	- ± -	- ± -	-	-	-
Atrazine-desisopropyl	µg/l	0.292 ± 0.0132	0.292 ± 0.006	0.0409	100	0.00
Bromacil	µg/l	- ± -	0.48 ± 0.009	-	-	-
Chloridazon	µg/l	0.506 ± 0.0306	0.448 ± 0.028	0.0657	88.6	-0.90
Chloridazon-desphenyl	µg/l	0.188 ± 0.022	- ± -	0.0301	-	-
Chloridazon-methyl-desphenyl	µg/l	0.585 ± 0.046	- ± -	0.076	-	-
Clopyralid	µg/l	0.486 ± 0.075	0.443 ± 0.01	0.0972	91.1	-0.56
Cyanazine	µg/l	0.833 ± 0.0363	0.817 ± 0.013	0.117	98	-0.37
Dimethenamide	µg/l	0.651 ± 0.045	0.67 ± 0.023	0.0651	103	0.30
Diuron	µg/l	0.535 ± 0.0265	0.475 ± 0.003	0.0695	88.9	-2.19
Metolachlor	µg/l	0.623 ± 0.0267	0.591 ± 0.015	0.0934	94.9	-0.80
N,N-Dimethylsulfamide (DMS)	µg/l	- ± -	- ± -	-	-	-
Nicosulfurone	µg/l	- ± -	- ± -	-	-	-
Prometryn	µg/l	0.505 ± 0.0111	0.52 ± 0.008	0.0656	103	0.78
Propazine	µg/l	0.349 ± 0.0189	0.334 ± 0.003	0.0454	95.6	-0.77
Sebuthylazine	µg/l	- ± -	<0.025 (LOQ) ± -	-	-	-
Simazine	µg/l	0.462 ± 0.0261	0.463 ± 0.008	0.0509	100	0.02
Terbuthylazine	µg/l	0.262 ± 0.0111	0.275 ± 0.005	0.0288	105	0.86
Terbuthylazine-desethyl	µg/l	0.296 ± 0.0149	0.253 ± 0.018	0.0325	85.5	-1.10

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Terbutryn	µg/l	0.628 ± 0.0228	0.649 ± 0.006	0.0628	103	0.80

## Sample: H118B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
2,6-Dichlorobenzamide	µg/l	0.82 ± 0.0509	0.809 ± 0.012	0.123	98.7	-0.19
Alachlor	µg/l	0.822 ± 0.0302	0.827 ± 0.045	0.0986	101	0.05
Atrazine	µg/l	0.837 ± 0.0256	0.837 ± 0.028	0.0921	100	0.00
Atrazine-desethyl	µg/l	0.796 ± 0.0375	0.718 ± 0.025	0.0955	90.2	-1.25
Atrazine-desethyl-desisopropyl	µg/l	- ± -	- ± -	-	-	-
Atrazine-desisopropyl	µg/l	0.689 ± 0.0457	0.734 ± 0.026	0.0964	107	0.66
Bromacil	µg/l	- ± -	0.998 ± 0.025	-	-	-
Chloridazon	µg/l	0.511 ± 0.03	0.488 ± 0.02	0.0664	95.6	-0.45
Chloridazon-desphenyl	µg/l	0.316 ± 0.0166	- ± -	0.0348	-	-
Chloridazon-methyl-desphenyl	µg/l	0.582 ± 0.029	- ± -	0.0756	-	-
Clopyralid	µg/l	0.806 ± 0.12	0.615 ± 0.037	0.161	76.3	-1.35
Cyanazine	µg/l	0.538 ± 0.0254	0.56 ± 0.015	0.0754	104	0.55
Dimethenamide	µg/l	0.983 ± 0.0996	0.99 ± 0.03	0.148	101	0.06
Diuron	µg/l	0.509 ± 0.0283	0.478 ± 0.005	0.0662	93.8	-1.05
Metolachlor	µg/l	0.779 ± 0.0345	0.73 ± 0.009	0.117	93.7	-1.26
N,N-Dimethylsulfamide (DMS)	µg/l	0.632 ± 0.136	- ± -	0.164	-	-
Nicosulfurone	µg/l	- ± -	- ± -	-	-	-
Prometryn	µg/l	0.732 ± 0.0216	0.765 ± 0.024	0.0952	104	0.63
Propazine	µg/l	0.568 ± 0.0414	0.559 ± 0.012	0.0739	98.3	-0.20
Sebuthylazine	µg/l	0.709 ± 0.0233	0.709 ± 0.021	0.066	99.9	-0.01
Simazine	µg/l	0.557 ± 0.0263	0.567 ± 0.012	0.0613	102	0.28

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion Recovery [%]	En-Score
Terbutylazine	µg/l	0.515 ± 0.0163	0.551 ± 0.008	0.0567	107
Terbutylazine-desethyl	µg/l	0.597 ± 0.0361	0.549 ± 0.023	0.0656	92
Terbutryn	µg/l	0.332 ± 0.0175	0.349 ± 0.012	0.0332	105



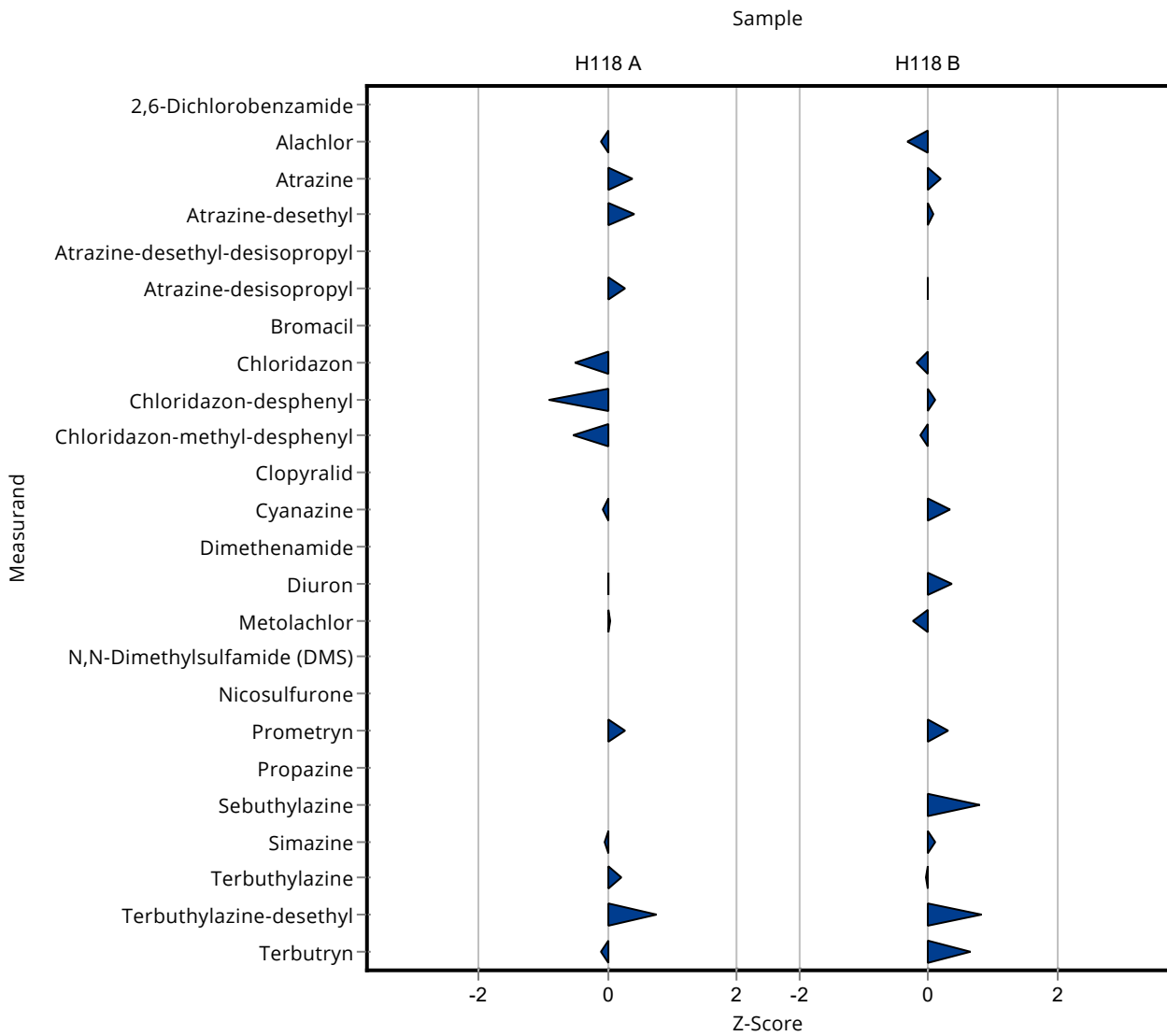
Sample: H118A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
2,6-Dichlorobenzamide	µg/l	0.936 ± 0.0508	- ± -	0.14	-	-
Alachlor	µg/l	0.646 ± 0.0421	0.638 ± 0.094	0.0775	98.7	-0.10
Atrazine	µg/l	0.605 ± 0.0286	0.632 ± 0.053	0.0666	104	0.40
Atrazine-desethyl	µg/l	0.449 ± 0.0244	0.472 ± 0.035	0.0539	105	0.43
Atrazine-desethyl-desisopropyl	µg/l	- ± -	- ± -	-	-	-
Atrazine-desisopropyl	µg/l	0.292 ± 0.0132	0.303 ± 0.023	0.0409	104	0.27
Bromacil	µg/l	- ± -	0.454 ± 0.058	-	-	-
Chloridazon	µg/l	0.506 ± 0.0306	0.473 ± 0.046	0.0657	93.5	-0.50
Chloridazon-desphenyl	µg/l	0.188 ± 0.022	0.161 ± 0.021	0.0301	85.5	-0.91
Chloridazon-methyl-desphenyl	µg/l	0.585 ± 0.046	0.544 ± 0.048	0.076	93	-0.54
Clopyralid	µg/l	0.486 ± 0.075	- ± -	0.0972	-	-
Cyanazine	µg/l	0.833 ± 0.0363	0.825 ± 0.077	0.117	99	-0.07
Dimethenamide	µg/l	0.651 ± 0.045	- ± -	0.0651	-	-
Diuron	µg/l	0.535 ± 0.0265	0.535 ± 0.041	0.0695	100	0.01
Metolachlor	µg/l	0.623 ± 0.0267	0.626 ± 0.099	0.0934	100	0.03
N,N-Dimethylsulfamide (DMS)	µg/l	- ± -	- ± -	-	-	-
Nicosulfurone	µg/l	- ± -	- ± -	-	-	-
Prometryn	µg/l	0.505 ± 0.0111	0.523 ± 0.045	0.0656	104	0.28
Propazine	µg/l	0.349 ± 0.0189	- ± -	0.0454	-	-
Sebuthylazine	µg/l	- ± -	<0.025 (LOQ) ± -	-	-	-
Simazine	µg/l	0.462 ± 0.0261	0.46 ± 0.06	0.0509	99.5	-0.05
Terbuthylazine	µg/l	0.262 ± 0.0111	0.268 ± 0.035	0.0288	102	0.21
Terbuthylazine-desethyl	µg/l	0.296 ± 0.0149	0.321 ± 0.021	0.0325	108	0.77
Terbutryn	µg/l	0.628 ± 0.0228	0.6219 ± 0.1193	0.0628	99	-0.10

Sample: H118B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
2,6-Dichlorobenzamide	µg/l	0.82 ± 0.0509	- ± -	0.123	-	-
Alachlor	µg/l	0.822 ± 0.0302	0.789 ± 0.117	0.0986	96	-0.33
Atrazine	µg/l	0.837 ± 0.0256	0.855 ± 0.072	0.0921	102	0.20

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Atrazine-desethyl	µg/l	0.796 ± 0.0375	0.803 ± 0.06	0.0955	101	0.07
Atrazine-desethyl-desisopropyl	µg/l	- ± -	- ± -	-	-	-
Atrazine-desisopropyl	µg/l	0.689 ± 0.0457	0.687 ± 0.052	0.0964	99.8	-0.02
Bromacil	µg/l	- ± -	0.916 ± 0.116	-	-	-
Chloridazon	µg/l	0.511 ± 0.03	0.499 ± 0.057	0.0664	97.7	-0.18
Chloridazon-desphenyl	µg/l	0.316 ± 0.0166	0.32 ± 0.042	0.0348	101	0.10
Chloridazon-methyl-desphenyl	µg/l	0.582 ± 0.029	0.571 ± 0.077	0.0756	98.2	-0.14
Clopyralid	µg/l	0.806 ± 0.12	- ± -	0.161	-	-
Cyanazine	µg/l	0.538 ± 0.0254	0.563 ± 0.053	0.0754	105	0.33
Dimethenamide	µg/l	0.983 ± 0.0996	- ± -	0.148	-	-
Diuron	µg/l	0.509 ± 0.0283	0.533 ± 0.041	0.0662	105	0.35
Metolachlor	µg/l	0.779 ± 0.0345	0.749 ± 0.118	0.117	96.2	-0.26
N,N-Dimethylsulfamide (DMS)	µg/l	0.632 ± 0.136	- ± -	0.164	-	-
Nicosulfurone	µg/l	- ± -	- ± -	-	-	-
Prometryn	µg/l	0.732 ± 0.0216	0.76 ± 0.066	0.0952	104	0.29
Propazine	µg/l	0.568 ± 0.0414	- ± -	0.0739	-	-
Sebuthylazine	µg/l	0.709 ± 0.0233	0.762 ± 0.094	0.066	107	0.80
Simazine	µg/l	0.557 ± 0.0263	0.563 ± 0.073	0.0613	101	0.09
Terbutylazine	µg/l	0.515 ± 0.0163	0.513 ± 0.059	0.0567	99.5	-0.04
Terbutylazine-desethyl	µg/l	0.597 ± 0.0361	0.651 ± 0.043	0.0656	109	0.83
Terbutryn	µg/l	0.332 ± 0.0175	0.3539 ± 0.0973	0.0332	107	0.66



Sample: H118A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
2,6-Dichlorobenzamide	µg/l	0.936 ± 0.0508	- ± -	0.14	-	-
Alachlor	µg/l	0.646 ± 0.0421	0.638 ± 0.094	0.0775	98.7	-0.04
Atrazine	µg/l	0.605 ± 0.0286	0.632 ± 0.053	0.0666	104	0.24
Atrazine-desethyl	µg/l	0.449 ± 0.0244	0.472 ± 0.035	0.0539	105	0.31
Atrazine-desethyl-desisopropyl	µg/l	- ± -	- ± -	-	-	-
Atrazine-desisopropyl	µg/l	0.292 ± 0.0132	0.303 ± 0.023	0.0409	104	0.23
Bromacil	µg/l	- ± -	0.454 ± 0.058	-	-	-
Chloridazon	µg/l	0.506 ± 0.0306	0.473 ± 0.046	0.0657	93.5	-0.34
Chloridazon-desphenyl	µg/l	0.188 ± 0.022	0.161 ± 0.021	0.0301	85.5	-0.58
Chloridazon-methyl-desphenyl	µg/l	0.585 ± 0.046	0.544 ± 0.048	0.076	93	-0.38
Clopyralid	µg/l	0.486 ± 0.075	- ± -	0.0972	-	-
Cyanazine	µg/l	0.833 ± 0.0363	0.825 ± 0.077	0.117	99	-0.05
Dimethenamide	µg/l	0.651 ± 0.045	- ± -	0.0651	-	-
Diuron	µg/l	0.535 ± 0.0265	0.535 ± 0.041	0.0695	100	0.00
Metolachlor	µg/l	0.623 ± 0.0267	0.626 ± 0.099	0.0934	100	0.02
N,N-Dimethylsulfamide (DMS)	µg/l	- ± -	- ± -	-	-	-
Nicosulfurone	µg/l	- ± -	- ± -	-	-	-
Prometryn	µg/l	0.505 ± 0.0111	0.523 ± 0.045	0.0656	104	0.20
Propazine	µg/l	0.349 ± 0.0189	- ± -	0.0454	-	-
Sebuthylazine	µg/l	- ± -	<0.025 (LOQ) ± -	-	-	-
Simazine	µg/l	0.462 ± 0.0261	0.46 ± 0.06	0.0509	99.5	-0.02
Terbuthylazine	µg/l	0.262 ± 0.0111	0.268 ± 0.035	0.0288	102	0.08
Terbuthylazine-desethyl	µg/l	0.296 ± 0.0149	0.321 ± 0.021	0.0325	108	0.56

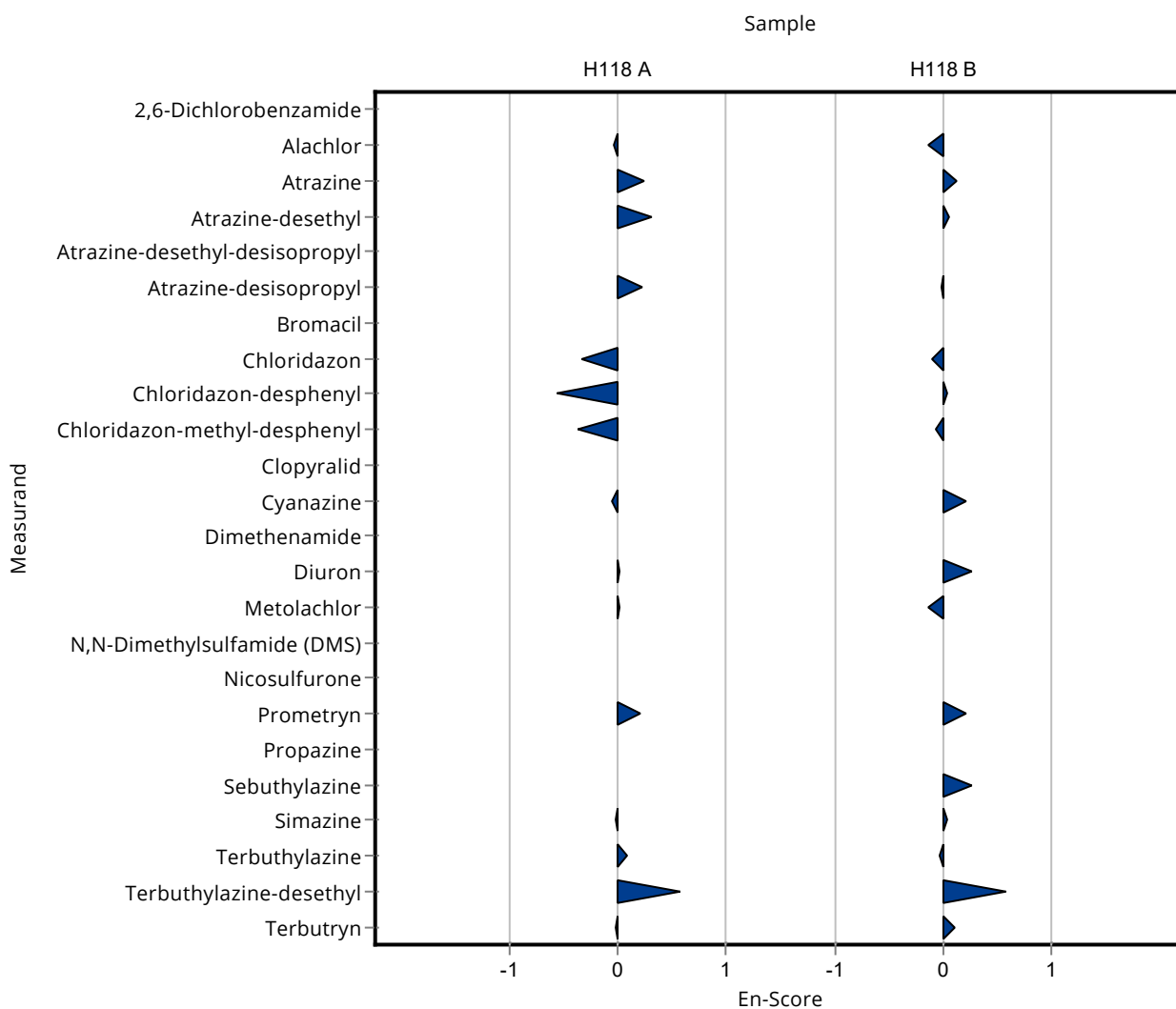
Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Terbutryn	µg/l	0.628 ± 0.0228	0.6219 ± 0.1193	0.0628	99	-0.03

Sample: H118B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
2,6-Dichlorobenzamide	µg/l	0.82 ± 0.0509	- ± -	0.123	-	-
Alachlor	µg/l	0.822 ± 0.0302	0.789 ± 0.117	0.0986	96	-0.14
Atrazine	µg/l	0.837 ± 0.0256	0.855 ± 0.072	0.0921	102	0.12
Atrazine-desethyl	µg/l	0.796 ± 0.0375	0.803 ± 0.06	0.0955	101	0.05
Atrazine-desethyl-desisopropyl	µg/l	- ± -	- ± -	-	-	-
Atrazine-desisopropyl	µg/l	0.689 ± 0.0457	0.687 ± 0.052	0.0964	99.8	-0.01
Bromacil	µg/l	- ± -	0.916 ± 0.116	-	-	-
Chloridazon	µg/l	0.511 ± 0.03	0.499 ± 0.057	0.0664	97.7	-0.10
Chloridazon-desphenyl	µg/l	0.316 ± 0.0166	0.32 ± 0.042	0.0348	101	0.04
Chloridazon-methyl-desphenyl	µg/l	0.582 ± 0.029	0.571 ± 0.077	0.0756	98.2	-0.07
Clopyralid	µg/l	0.806 ± 0.12	- ± -	0.161	-	-
Cyanazine	µg/l	0.538 ± 0.0254	0.563 ± 0.053	0.0754	105	0.23
Dimethenamide	µg/l	0.983 ± 0.0996	- ± -	0.148	-	-
Diuron	µg/l	0.509 ± 0.0283	0.533 ± 0.041	0.0662	105	0.27
Metolachlor	µg/l	0.779 ± 0.0345	0.749 ± 0.118	0.117	96.2	-0.13
N,N-Dimethylsulfamide (DMS)	µg/l	0.632 ± 0.136	- ± -	0.164	-	-
Nicosulfurone	µg/l	- ± -	- ± -	-	-	-
Prometryn	µg/l	0.732 ± 0.0216	0.76 ± 0.066	0.0952	104	0.21
Propazine	µg/l	0.568 ± 0.0414	- ± -	0.0739	-	-
Sebuthylazine	µg/l	0.709 ± 0.0233	0.762 ± 0.094	0.066	107	0.28
Simazine	µg/l	0.557 ± 0.0263	0.563 ± 0.073	0.0613	101	0.04



Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion Recovery	En-Score
				[%]	
Terbuthylazine	µg/l	0.515 ± 0.0163	0.513 ± 0.059	0.0567	99.5 -0.02
Terbuthylazine-desethyl	µg/l	0.597 ± 0.0361	0.651 ± 0.043	0.0656	109 0.58
Terbutryn	µg/l	0.332 ± 0.0175	0.3539 ± 0.0973	0.0332	107 0.11



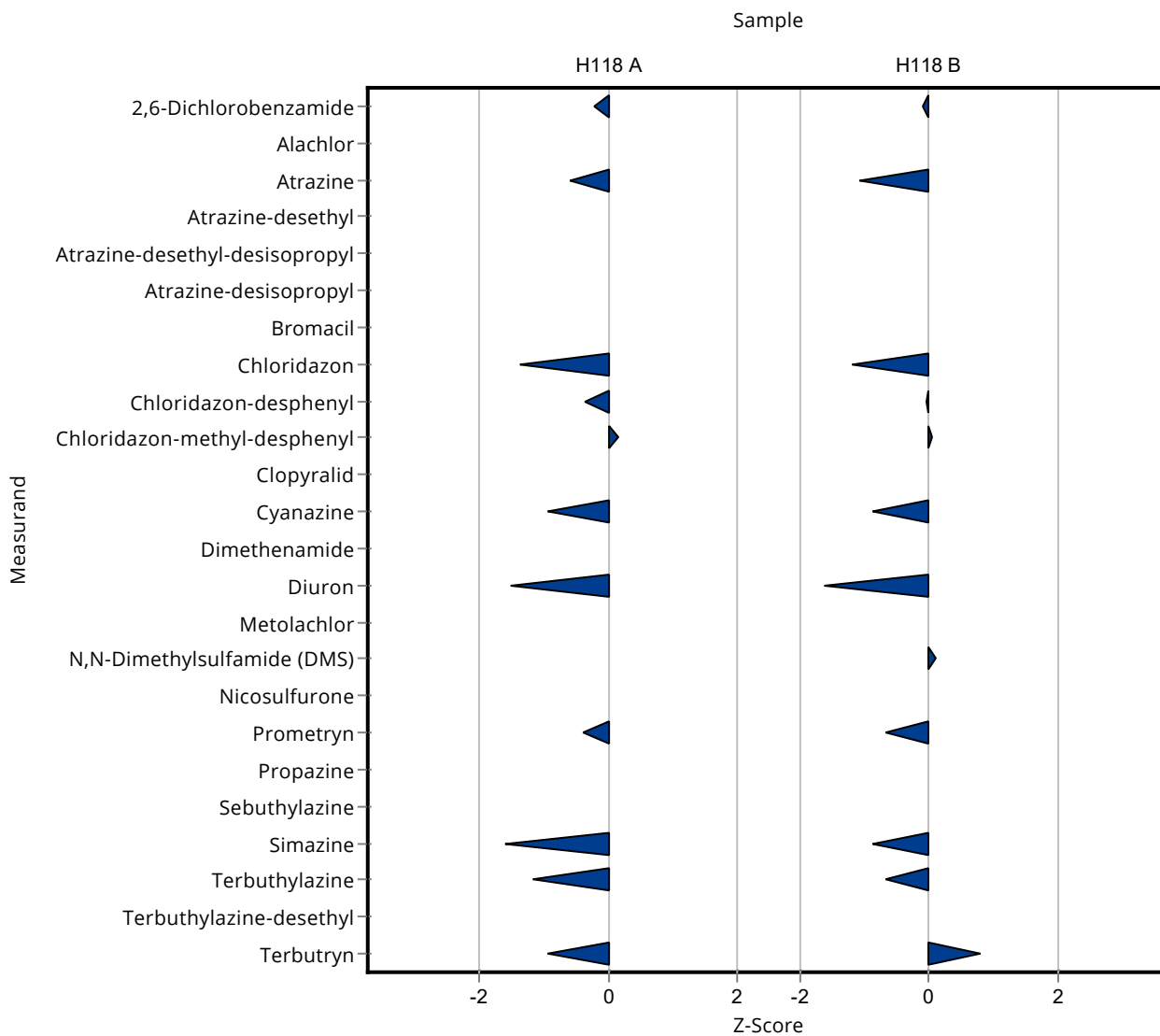
Sample: H118A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
2,6-Dichlorobenzamide	µg/l	0.936 ± 0.0508	0.905 ± 0.272	0.14	96.7	-0.22
Alachlor	µg/l	0.646 ± 0.0421	- ± -	0.0775	-	-
Atrazine	µg/l	0.605 ± 0.0286	0.566 ± 0.17	0.0666	93.5	-0.59
Atrazine-desethyl	µg/l	0.449 ± 0.0244	- ± -	0.0539	-	-
Atrazine-desethyl-desisopropyl	µg/l	- ± -	- ± -	-	-	-
Atrazine-desisopropyl	µg/l	0.292 ± 0.0132	- ± -	0.0409	-	-
Bromacil	µg/l	- ± -	- ± -	-	-	-
Chloridazon	µg/l	0.506 ± 0.0306	0.416 ± 0.125	0.0657	82.3	-1.36
Chloridazon-desphenyl	µg/l	0.188 ± 0.022	0.177 ± 0.053	0.0301	94	-0.38
Chloridazon-methyl-desphenyl	µg/l	0.585 ± 0.046	0.597 ± 0.179	0.076	102	0.16
Clopyralid	µg/l	0.486 ± 0.075	- ± -	0.0972	-	-
Cyanazine	µg/l	0.833 ± 0.0363	0.722 ± 0.217	0.117	86.6	-0.96
Dimethenamide	µg/l	0.651 ± 0.045	- ± -	0.0651	-	-
Diuron	µg/l	0.535 ± 0.0265	0.428 ± 0.128	0.0695	80.1	-1.53
Metolachlor	µg/l	0.623 ± 0.0267	- ± -	0.0934	-	-
N,N-Dimethylsulfamide (DMS)	µg/l	- ± -	1.033 ± 0.31	-	-	-
Nicosulfurone	µg/l	- ± -	- ± -	-	-	-
Prometryn	µg/l	0.505 ± 0.0111	0.479 ± 0.144	0.0656	94.9	-0.39
Propazine	µg/l	0.349 ± 0.0189	- ± -	0.0454	-	-
Sebuthylazine	µg/l	- ± -	- ± -	-	-	-
Simazine	µg/l	0.462 ± 0.0261	0.38 ± 0.114	0.0509	82.2	-1.62
Terbuthylazine	µg/l	0.262 ± 0.0111	0.228 ± 0.068	0.0288	87	-1.18
Terbuthylazine-desethyl	µg/l	0.296 ± 0.0149	- ± -	0.0325	-	-
Terbutryn	µg/l	0.628 ± 0.0228	0.569 ± 0.171	0.0628	90.5	-0.95

Sample: H118B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
2,6-Dichlorobenzamide	µg/l	0.82 ± 0.0509	0.809 ± 0.243	0.123	98.7	-0.09
Alachlor	µg/l	0.822 ± 0.0302	- ± -	0.0986	-	-
Atrazine	µg/l	0.837 ± 0.0256	0.737 ± 0.221	0.0921	88.1	-1.09

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Atrazine-desethyl	µg/l	0.796 ± 0.0375	- ± -	0.0955	-	-
Atrazine-desethyl-desisopropyl	µg/l	- ± -	- ± -	-	-	-
Atrazine-desisopropyl	µg/l	0.689 ± 0.0457	- ± -	0.0964	-	-
Bromacil	µg/l	- ± -	- ± -	-	-	-
Chloridazon	µg/l	0.511 ± 0.03	0.432 ± 0.13	0.0664	84.6	-1.18
Chloridazon-desphenyl	µg/l	0.316 ± 0.0166	0.315 ± 0.095	0.0348	99.5	-0.04
Chloridazon-methyl-desphenyl	µg/l	0.582 ± 0.029	0.584 ± 0.175	0.0756	100	0.03
Clopyralid	µg/l	0.806 ± 0.12	- ± -	0.161	-	-
Cyanazine	µg/l	0.538 ± 0.0254	0.471 ± 0.141	0.0754	87.5	-0.89
Dimethenamide	µg/l	0.983 ± 0.0996	- ± -	0.148	-	-
Diuron	µg/l	0.509 ± 0.0283	0.402 ± 0.121	0.0662	78.9	-1.62
Metolachlor	µg/l	0.779 ± 0.0345	- ± -	0.117	-	-
N,N-Dimethylsulfamide (DMS)	µg/l	0.632 ± 0.136	0.649 ± 0.195	0.164	103	0.10
Nicosulfurone	µg/l	- ± -	- ± -	-	-	-
Prometryn	µg/l	0.732 ± 0.0216	0.669 ± 0.201	0.0952	91.4	-0.66
Propazine	µg/l	0.568 ± 0.0414	- ± -	0.0739	-	-
Sebuthylazine	µg/l	0.709 ± 0.0233	- ± -	0.066	-	-
Simazine	µg/l	0.557 ± 0.0263	0.504 ± 0.151	0.0613	90.5	-0.87
Terbuthylazine	µg/l	0.515 ± 0.0163	0.477 ± 0.143	0.0567	92.6	-0.68
Terbuthylazine-desethyl	µg/l	0.597 ± 0.0361	- ± -	0.0656	-	-
Terbutryn	µg/l	0.332 ± 0.0175	0.358 ± 0.107	0.0332	108	0.78



Sample: H118A

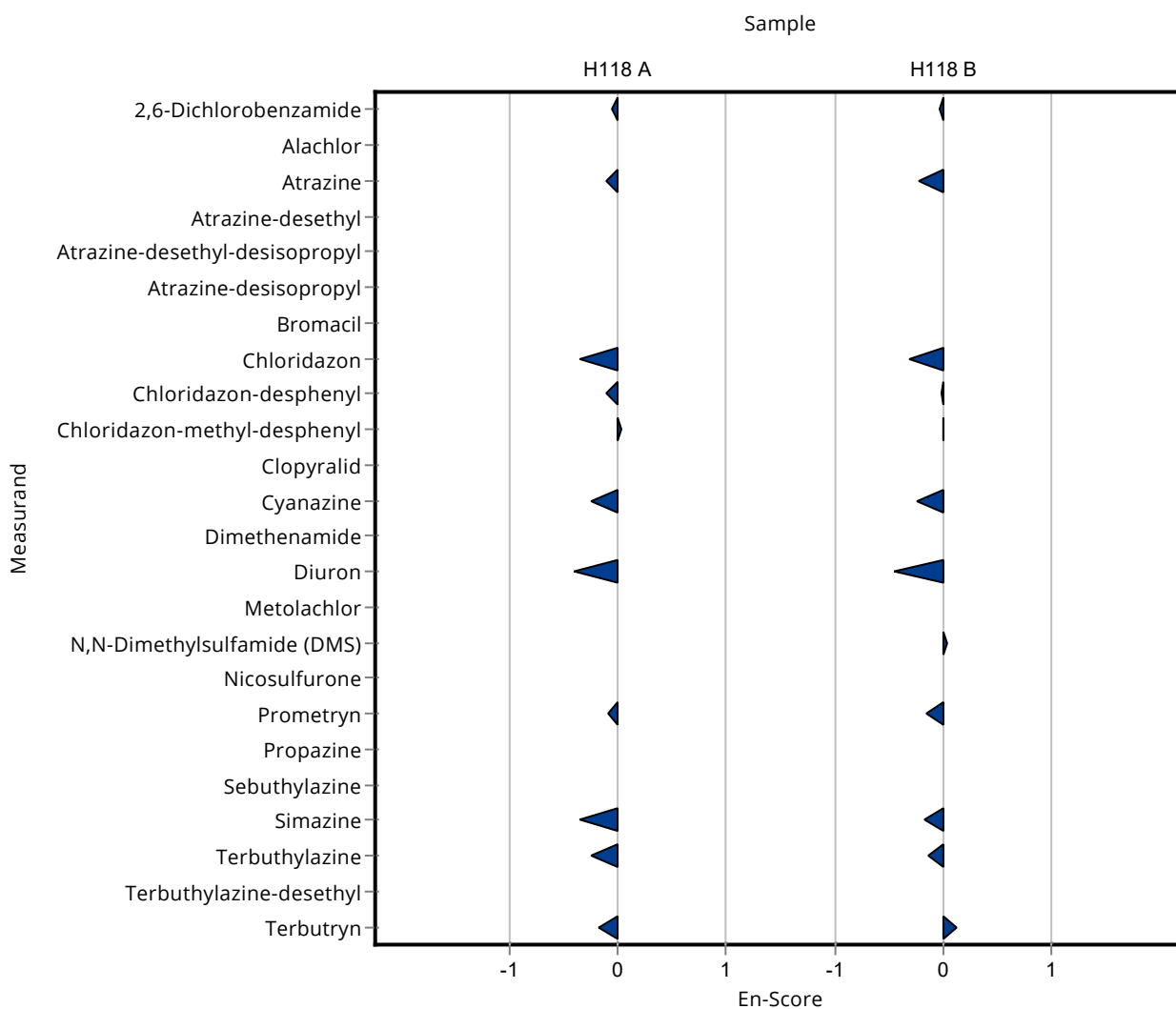
Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
2,6-Dichlorobenzamide	µg/l	0.936 ± 0.0508	0.905 ± 0.272	0.14	96.7	-0.06
Alachlor	µg/l	0.646 ± 0.0421	- ± -	0.0775	-	-
Atrazine	µg/l	0.605 ± 0.0286	0.566 ± 0.17	0.0666	93.5	-0.12
Atrazine-desethyl	µg/l	0.449 ± 0.0244	- ± -	0.0539	-	-
Atrazine-desethyl-desisopropyl	µg/l	- ± -	- ± -	-	-	-
Atrazine-desisopropyl	µg/l	0.292 ± 0.0132	- ± -	0.0409	-	-
Bromacil	µg/l	- ± -	- ± -	-	-	-
Chloridazon	µg/l	0.506 ± 0.0306	0.416 ± 0.125	0.0657	82.3	-0.36
Chloridazon-desphenyl	µg/l	0.188 ± 0.022	0.177 ± 0.053	0.0301	94	-0.10
Chloridazon-methyl-desphenyl	µg/l	0.585 ± 0.046	0.597 ± 0.179	0.076	102	0.03
Clopyralid	µg/l	0.486 ± 0.075	- ± -	0.0972	-	-
Cyanazine	µg/l	0.833 ± 0.0363	0.722 ± 0.217	0.117	86.6	-0.26
Dimethenamide	µg/l	0.651 ± 0.045	- ± -	0.0651	-	-
Diuron	µg/l	0.535 ± 0.0265	0.428 ± 0.128	0.0695	80.1	-0.41
Metolachlor	µg/l	0.623 ± 0.0267	- ± -	0.0934	-	-
N,N-Dimethylsulfamide (DMS)	µg/l	- ± -	1.033 ± 0.31	-	-	-
Nicosulfurone	µg/l	- ± -	- ± -	-	-	-
Prometryn	µg/l	0.505 ± 0.0111	0.479 ± 0.144	0.0656	94.9	-0.09
Propazine	µg/l	0.349 ± 0.0189	- ± -	0.0454	-	-
Sebuthylazine	µg/l	- ± -	- ± -	-	-	-
Simazine	µg/l	0.462 ± 0.0261	0.38 ± 0.114	0.0509	82.2	-0.36
Terbuthylazine	µg/l	0.262 ± 0.0111	0.228 ± 0.068	0.0288	87	-0.25
Terbuthylazine-desethyl	µg/l	0.296 ± 0.0149	- ± -	0.0325	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Terbutryn	µg/l	0.628 ± 0.0228	0.569 ± 0.171	0.0628	90.5	-0.17

Sample: H118B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
2,6-Dichlorobenzamide	µg/l	0.82 ± 0.0509	0.809 ± 0.243	0.123	98.7	-0.02
Alachlor	µg/l	0.822 ± 0.0302	- ± -	0.0986	-	-
Atrazine	µg/l	0.837 ± 0.0256	0.737 ± 0.221	0.0921	88.1	-0.23
Atrazine-desethyl	µg/l	0.796 ± 0.0375	- ± -	0.0955	-	-
Atrazine-desethyl-desisopropyl	µg/l	- ± -	- ± -	-	-	-
Atrazine-desisopropyl	µg/l	0.689 ± 0.0457	- ± -	0.0964	-	-
Bromacil	µg/l	- ± -	- ± -	-	-	-
Chloridazon	µg/l	0.511 ± 0.03	0.432 ± 0.13	0.0664	84.6	-0.30
Chloridazon-desphenyl	µg/l	0.316 ± 0.0166	0.315 ± 0.095	0.0348	99.5	-0.01
Chloridazon-methyl-desphenyl	µg/l	0.582 ± 0.029	0.584 ± 0.175	0.0756	100	0.01
Clopyralid	µg/l	0.806 ± 0.12	- ± -	0.161	-	-
Cyanazine	µg/l	0.538 ± 0.0254	0.471 ± 0.141	0.0754	87.5	-0.24
Dimethenamide	µg/l	0.983 ± 0.0996	- ± -	0.148	-	-
Diuron	µg/l	0.509 ± 0.0283	0.402 ± 0.121	0.0662	78.9	-0.44
Metolachlor	µg/l	0.779 ± 0.0345	- ± -	0.117	-	-
N,N-Dimethylsulfamide (DMS)	µg/l	0.632 ± 0.136	0.649 ± 0.195	0.164	103	0.04
Nicosulfurone	µg/l	- ± -	- ± -	-	-	-
Prometryn	µg/l	0.732 ± 0.0216	0.669 ± 0.201	0.0952	91.4	-0.16
Propazine	µg/l	0.568 ± 0.0414	- ± -	0.0739	-	-
Sebuthylazine	µg/l	0.709 ± 0.0233	- ± -	0.066	-	-
Simazine	µg/l	0.557 ± 0.0263	0.504 ± 0.151	0.0613	90.5	-0.18

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion Recovery [%]	En-Score
Terbuthylazine	µg/l	0.515 ± 0.0163	0.477 ± 0.143	0.0567	92.6 -0.13
Terbuthylazine-desethyl	µg/l	0.597 ± 0.0361	- ± -	0.0656	- -
Terbutryn	µg/l	0.332 ± 0.0175	0.358 ± 0.107	0.0332	108 0.12



Sample: H118A

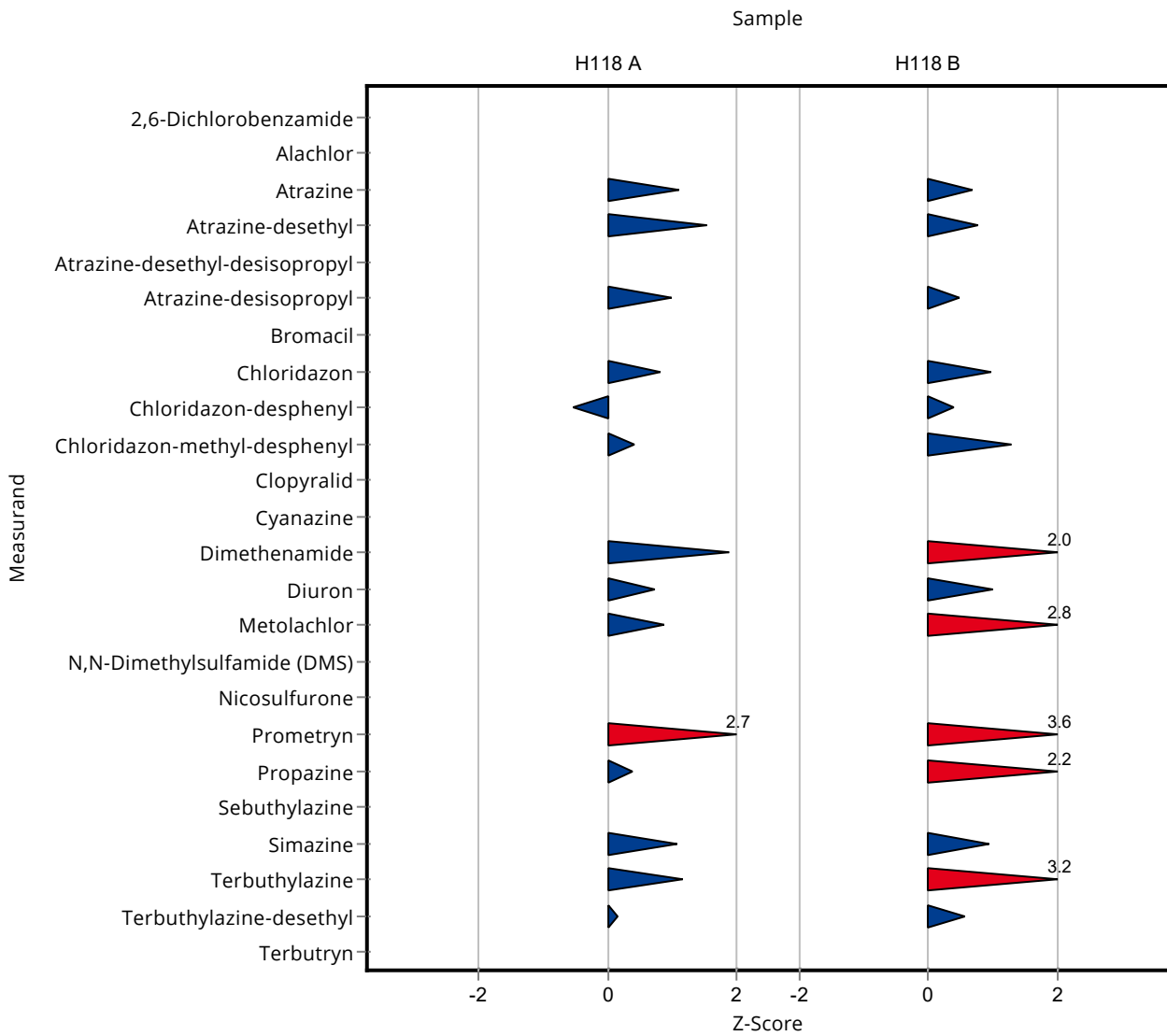
Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
2,6-Dichlorobenzamide	µg/l	0.936 ± 0.0508	- ± -	0.14	-	-
Alachlor	µg/l	0.646 ± 0.0421	- ± -	0.0775	-	-
Atrazine	µg/l	0.605 ± 0.0286	0.6791 ± 0.000441	0.0666	112	1.11
Atrazine-desethyl	µg/l	0.449 ± 0.0244	0.5315 ± 0.000558	0.0539	118	1.53
Atrazine-desethyl-desisopropyl	µg/l	- ± -	- ± -	-	-	-
Atrazine-desisopropyl	µg/l	0.292 ± 0.0132	0.3332 ± 0.0005	0.0409	114	1.01
Bromacil	µg/l	- ± -	- ± -	-	-	-
Chloridazon	µg/l	0.506 ± 0.0306	0.5598 ± 0.00042	0.0657	111	0.82
Chloridazon-desphenyl	µg/l	0.188 ± 0.022	0.1719 ± 0.000301	0.0301	91.3	-0.55
Chloridazon-methyl-desphenyl	µg/l	0.585 ± 0.046	0.6164 ± 0.000832	0.076	105	0.42
Clopyralid	µg/l	0.486 ± 0.075	- ± -	0.0972	-	-
Cyanazine	µg/l	0.833 ± 0.0363	- ± -	0.117	-	-
Dimethenamide	µg/l	0.651 ± 0.045	0.7743 ± 0.000542	0.0651	119	1.90
Diuron	µg/l	0.535 ± 0.0265	0.5851 ± 0.00038	0.0695	109	0.73
Metolachlor	µg/l	0.623 ± 0.0267	0.7052 ± 0.000458	0.0934	113	0.88
N,N-Dimethylsulfamide (DMS)	µg/l	- ± -	- ± -	-	-	-
Nicosulfurone	µg/l	- ± -	- ± -	-	-	-
Prometryn	µg/l	0.505 ± 0.0111	0.6822 ± 0.000409	0.0656	135	2.70
Propazine	µg/l	0.349 ± 0.0189	0.3666 ± 0.000202	0.0454	105	0.38
Sebuthylazine	µg/l	- ± -	- ± -	-	-	-
Simazine	µg/l	0.462 ± 0.0261	0.5177 ± 0.000362	0.0509	112	1.09
Terbuthylazine	µg/l	0.262 ± 0.0111	0.2957 ± 0.000163	0.0288	113	1.17
Terbuthylazine-desethyl	µg/l	0.296 ± 0.0149	0.301 ± 0.000226	0.0325	102	0.16
Terbutryn	µg/l	0.628 ± 0.0228	- ± -	0.0628	-	-

Sample: H118B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
2,6-Dichlorobenzamide	µg/l	0.82 ± 0.0509	- ± -	0.123	-	-
Alachlor	µg/l	0.822 ± 0.0302	- ± -	0.0986	-	-
Atrazine	µg/l	0.837 ± 0.0256	0.8992 ± 0.000584	0.0921	107	0.68



Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion Recovery	z-Score	Recovery [%]
Atrazine-desethyl	µg/l	0.796 ± 0.0375	0.87 ± 0.000914	0.0955	109	0.77
Atrazine-desethyl-desisopropyl	µg/l	- ± -	- ± -	-	-	-
Atrazine-desisopropyl	µg/l	0.689 ± 0.0457	0.7359 ± 0.001104	0.0964	107	0.49
Bromacil	µg/l	- ± -	- ± -	-	-	-
Chloridazon	µg/l	0.511 ± 0.03	0.5752 ± 0.000431	0.0664	113	0.97
Chloridazon-desphenyl	µg/l	0.316 ± 0.0166	0.3297 ± 0.000577	0.0348	104	0.38
Chloridazon-methyl-desphenyl	µg/l	0.582 ± 0.029	0.6787 ± 0.000916	0.0756	117	1.28
Clopyralid	µg/l	0.806 ± 0.12	- ± -	0.161	-	-
Cyanazine	µg/l	0.538 ± 0.0254	- ± -	0.0754	-	-
Dimethenamide	µg/l	0.983 ± 0.0996	1.2826 ± 0.000898	0.148	130	2.03
Diuron	µg/l	0.509 ± 0.0283	0.5751 ± 0.000374	0.0662	113	0.99
Metolachlor	µg/l	0.779 ± 0.0345	1.1052 ± 0.000718	0.117	142	2.79
N,N-Dimethylsulfamide (DMS)	µg/l	0.632 ± 0.136	- ± -	0.164	-	-
Nicosulfurone	µg/l	- ± -	- ± -	-	-	-
Prometryn	µg/l	0.732 ± 0.0216	1.0773 ± 0.000646	0.0952	147	3.63
Propazine	µg/l	0.568 ± 0.0414	0.7314 ± 0.000402	0.0739	129	2.21
Sebuthylazine	µg/l	0.709 ± 0.0233	- ± -	0.066	-	-
Simazine	µg/l	0.557 ± 0.0263	0.6142 ± 0.00043	0.0613	110	0.93
Terbuthylazine	µg/l	0.515 ± 0.0163	0.6981 ± 0.000384	0.0567	135	3.22
Terbuthylazine-desethyl	µg/l	0.597 ± 0.0361	0.6346 ± 0.000476	0.0656	106	0.58
Terbutryn	µg/l	0.332 ± 0.0175	- ± -	0.0332	-	-



Sample: H118A

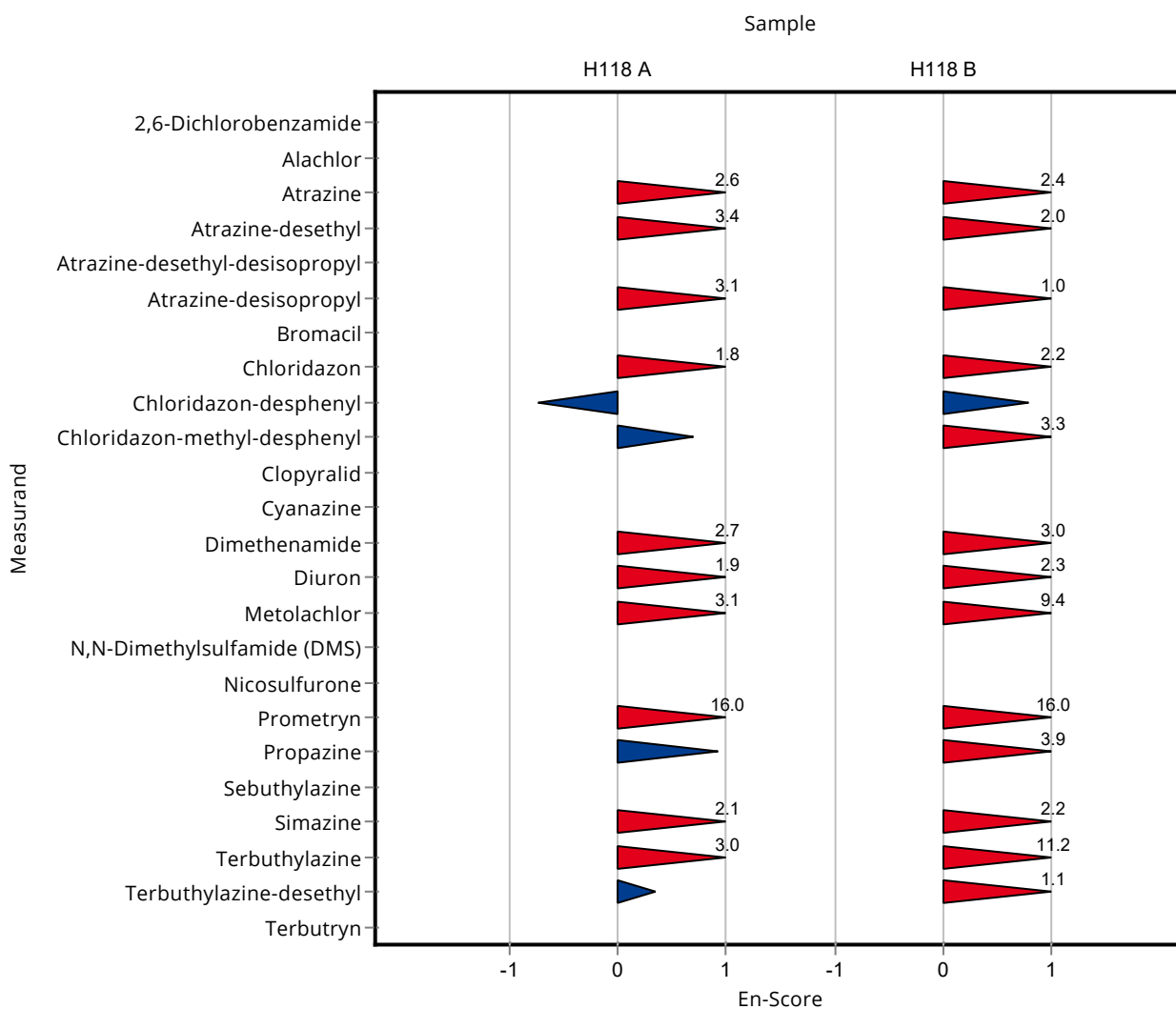
Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
2,6-Dichlorobenzamide	µg/l	0.936 ± 0.0508	- ± -	0.14	-	-
Alachlor	µg/l	0.646 ± 0.0421	- ± -	0.0775	-	-
Atrazine	µg/l	0.605 ± 0.0286	0.6791 ± 0.000441	0.0666	112	2.58
Atrazine-desethyl	µg/l	0.449 ± 0.0244	0.5315 ± 0.000558	0.0539	118	3.38
Atrazine-desethyl-desisopropyl	µg/l	- ± -	- ± -	-	-	-
Atrazine-desisopropyl	µg/l	0.292 ± 0.0132	0.3332 ± 0.0005	0.0409	114	3.10
Bromacil	µg/l	- ± -	- ± -	-	-	-
Chloridazon	µg/l	0.506 ± 0.0306	0.5598 ± 0.00042	0.0657	111	1.77
Chloridazon-desphenyl	µg/l	0.188 ± 0.022	0.1719 ± 0.000301	0.0301	91.3	-0.75
Chloridazon-methyl-desphenyl	µg/l	0.585 ± 0.046	0.6164 ± 0.000832	0.076	105	0.69
Clopyralid	µg/l	0.486 ± 0.075	- ± -	0.0972	-	-
Cyanazine	µg/l	0.833 ± 0.0363	- ± -	0.117	-	-
Dimethenamide	µg/l	0.651 ± 0.045	0.7743 ± 0.000542	0.0651	119	2.75
Diuron	µg/l	0.535 ± 0.0265	0.5851 ± 0.00038	0.0695	109	1.90
Metolachlor	µg/l	0.623 ± 0.0267	0.7052 ± 0.000458	0.0934	113	3.08
N,N-Dimethylsulfamide (DMS)	µg/l	- ± -	- ± -	-	-	-
Nicosulfurone	µg/l	- ± -	- ± -	-	-	-
Prometryn	µg/l	0.505 ± 0.0111	0.6822 ± 0.000409	0.0656	135	15.96
Propazine	µg/l	0.349 ± 0.0189	0.3666 ± 0.000202	0.0454	105	0.91
Sebuthylazine	µg/l	- ± -	- ± -	-	-	-
Simazine	µg/l	0.462 ± 0.0261	0.5177 ± 0.000362	0.0509	112	2.12
Terbuthylazine	µg/l	0.262 ± 0.0111	0.2957 ± 0.000163	0.0288	113	3.02
Terbuthylazine-desethyl	µg/l	0.296 ± 0.0149	0.301 ± 0.000226	0.0325	102	0.34

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Terbutryn	µg/l	0.628 ± 0.0228	- ± -	0.0628	-	-

Sample: H118B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
2,6-Dichlorobenzamide	µg/l	0.82 ± 0.0509	- ± -	0.123	-	-
Alachlor	µg/l	0.822 ± 0.0302	- ± -	0.0986	-	-
Atrazine	µg/l	0.837 ± 0.0256	0.8992 ± 0.000584	0.0921	107	2.43
Atrazine-desethyl	µg/l	0.796 ± 0.0375	0.87 ± 0.000914	0.0955	109	1.97
Atrazine-desethyl-desisopropyl	µg/l	- ± -	- ± -	-	-	-
Atrazine-desisopropyl	µg/l	0.689 ± 0.0457	0.7359 ± 0.001104	0.0964	107	1.03
Bromacil	µg/l	- ± -	- ± -	-	-	-
Chloridazon	µg/l	0.511 ± 0.03	0.5752 ± 0.000431	0.0664	113	2.15
Chloridazon-desphenyl	µg/l	0.316 ± 0.0166	0.3297 ± 0.000577	0.0348	104	0.79
Chloridazon-methyl-desphenyl	µg/l	0.582 ± 0.029	0.6787 ± 0.000916	0.0756	117	3.34
Clopyralid	µg/l	0.806 ± 0.12	- ± -	0.161	-	-
Cyanazine	µg/l	0.538 ± 0.0254	- ± -	0.0754	-	-
Dimethenamide	µg/l	0.983 ± 0.0996	1.2826 ± 0.000898	0.148	130	3.00
Diuron	µg/l	0.509 ± 0.0283	0.5751 ± 0.000374	0.0662	113	2.32
Metolachlor	µg/l	0.779 ± 0.0345	1.1052 ± 0.000718	0.117	142	9.44
N,N-Dimethylsulfamide (DMS)	µg/l	0.632 ± 0.136	- ± -	0.164	-	-
Nicosulfurone	µg/l	- ± -	- ± -	-	-	-
Prometryn	µg/l	0.732 ± 0.0216	1.0773 ± 0.000646	0.0952	147	15.96
Propazine	µg/l	0.568 ± 0.0414	0.7314 ± 0.000402	0.0739	129	3.94
Sebuthylazine	µg/l	0.709 ± 0.0233	- ± -	0.066	-	-
Simazine	µg/l	0.557 ± 0.0263	0.6142 ± 0.00043	0.0613	110	2.16

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion Recovery [%]	En-Score
Terbuthylazine	µg/l	0.515 ± 0.0163	0.6981 ± 0.000384	0.0567	135
Terbuthylazine-desethyl	µg/l	0.597 ± 0.0361	0.6346 ± 0.000476	0.0656	106
Terbutryn	µg/l	0.332 ± 0.0175	- ± -	0.0332	-



## E9. Methodenübersicht / Overview of methods

LabCode	Sample	2,6-Dichlorobenzamide	Alachlor	Atrazine	Atrazine-desethyl	Terbutylazine-desethyl
LC0001	H118A	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	H118A	LC-MS/MS direct;		LC-MS/MS direct;	LC-MS/MS direct;	LC-MS/MS direct;
LC0003	H118A	LC-MS/MS (SPE); online SPE	LC-MS/MS (SPE); online SPE	LC-MS/MS (SPE); online SPE	LC-MS/MS (SPE); online SPE	LC-MS/MS (SPE); online SPE
LC0004	H118A	LC (UV-detection); EN ISO 11369; F12		LC (UV-detection); EN ISO 11369; F12	LC (UV-detection); EN ISO 11369; F12	LC (UV-detection); EN ISO 11369; F12
LC0005	H118A	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
LC0006	H118A	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
LC0007	H118A	GC-MS Screening;		GC-MS Screening;	GC-MS Screening;	
LC0008	H118A	LC-MS;	LC-MS;	LC-MS;	LC-MS;	LC-MS;
LC0009	H118A	LC-MS/MS direct;		LC-MS/MS direct;	LC-MS/MS direct;	LC-MS/MS direct;
LC0010	H118A		LC-MS/MS;	LC-MS/MS;	LC-MS/MS;	LC-MS/MS;
LC0011	H118A	LC-MS/MS; DIN 38407-35	GC-MS (SPE-disks); EN 16693	GC-MS (SPE-disks); EN 16693	GC-MS (SPE-disks); EN 16693	GC-MS (SPE-disks); EN 16693
LC0012	H118A	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	H118A	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36
LC0014	H118A		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
LC0015	H118A	LC-MS/MS;		LC-MS/MS;		
LC0016	H118A			LC-MS/MS;	LC-MS/MS;	LC-MS/MS;

LabCode	Sample	Atrazine- desisopropyl	Bromacil	Cyanazine	Diuron	Metolachlor
LC0001	H118A	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	H118A	LC-MS/MS direct;			LC-MS/MS direct;	LC-MS/MS direct;
LC0003	H118A	LC-MS/MS (SPE); online SPE			LC-MS/MS (SPE); online SPE	LC-MS/MS (SPE); online SPE
LC0004	H118A	LC (UV- detection); EN ISO 11369; F12			LC (UV- detection); EN ISO 11369; F12	LC-MS/MS; house method
LC0005	H118A	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
LC0006	H118A	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
LC0007	H118A				LC-MS/MS direct;	LC-MS/MS direct;
LC0008	H118A	LC-MS;		LC-MS;	LC-MS;	LC-MS;
LC0009	H118A	LC-MS/MS direct;		LC-MS/MS direct;	LC-MS/MS direct;	LC-MS/MS direct;
LC0010	H118A	LC-MS/MS;				LC-MS/MS;
LC0011	H118A	GC-MS (SPE- disks); EN 16693	LC-MS/MS; DIN 38407-35	GC-MS (SPE- disks); EN 16693	LC-MS/MS; DIN 38407-35	GC-MS (SPE- disks); EN 16693
LC0012	H118A	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	H118A	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36
LC0014	H118A	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
LC0015	H118A			LC-MS/MS;	LC-MS/MS;	
LC0016	H118A	LC-MS/MS;			LC-MS/MS;	LC-MS/MS;

LabCode	Sample	Prometryn	Propazine	Sebuthylazine	Simazine	Terbuthylazine
LC0001	H118A	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	H118A				LC-MS/MS direct;	LC-MS/MS direct;
LC0003	H118A				LC-MS/MS (SPE); online SPE	LC-MS/MS (SPE); online SPE
LC0004	H118A		LC (UV-detection); EN ISO 11369; F12	LC (UV-detection); EN ISO 11369; F12	LC (UV-detection); EN ISO 11369; F12	LC (UV-detection); EN ISO 11369; F12
LC0005	H118A	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
LC0006	H118A	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
LC0007	H118A				GC-MS Screening;	GC-MS Screening;
LC0008	H118A		LC-MS;		LC-MS;	LC-MS;
LC0009	H118A	LC-MS/MS direct;	LC-MS/MS direct;		LC-MS/MS direct;	LC-MS/MS direct;
LC0010	H118A	LC-MS/MS;	LC-MS/MS;		LC-MS/MS;	LC-MS/MS;
LC0011	H118A	GC-MS (SPE-disks); EN 16693	GC-MS (SPE-disks); EN 16693	GC-MS (SPE-disks); EN 16693	GC-MS (SPE-disks); EN 16693	GC-MS (SPE-disks); EN 16693
LC0012	H118A	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	H118A	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36
LC0014	H118A	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
LC0015	H118A	LC-MS/MS;			LC-MS/MS;	LC-MS/MS;
LC0016	H118A	LC-MS/MS;	LC-MS/MS;		LC-MS/MS;	LC-MS/MS;



LabCode	Sample	Terbutryn	Chloridazon	Chloridazon- desphenyl	Chloridazon- methyl- desphenyl	Atrazine- desethyl- desisopropyl
LC0001	H118A	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	H118A	LC-MS/MS direct;	LC-MS/MS direct;	LC-MS/MS direct;	LC-MS/MS direct;	
LC0003	H118A	LC-MS/MS (SPE); online SPE	LC-MS/MS (SPE); online SPE			
LC0004	H118A		LC-MS/MS; house method	LC-MS/MS; house method	LC-MS/MS; house method	
LC0005	H118A	LC-MS/MS direct; DIN 38407-36				
LC0006	H118A	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
LC0007	H118A	GC-MS Screening;	LC-MS/MS direct;		GC-MS Screening;	
LC0008	H118A	LC-MS;	LC-MS;			
LC0009	H118A	LC-MS/MS direct;	LC-MS/MS direct;			
LC0010	H118A	LC-MS/MS;	LC-MS/MS;	LC-MS/MS;	LC-MS/MS;	LC-MS/MS;
LC0011	H118A	GC-MS (SPE- disks); EN 16693	LC-MS/MS; DIN 38407-35	LC-MS/MS; DIN 38407-35	LC-MS/MS; DIN 38407-35	LC-MS/MS; DIN 38407-35
LC0012	H118A	LC-MS/MS direct; DIN 38407-36				LC-MS/MS direct; DIN 38407-36
LC0013	H118A	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36			
LC0014	H118A	LC (UV- detection); EN ISO 11369	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36	
LC0015	H118A	GC-MS/MS; L/L	LC-MS/MS;	LC-MS/MS;	LC-MS/MS;	
LC0016	H118A		LC-MS/MS;	LC-MS/MS;	LC-MS/MS;	

LabCode	Sample	Nicosulfurone	Clopyralid	Dimethenamide	N,N-Dimethylsulfamide (DMS)
LC0001	H118A	LC-MS/MS direct; DIN 38407-36		LC-MS/MS direct; DIN 38407-36	
LC0002	H118A	LC-MS/MS direct;		LC-MS/MS direct;	LC-MS/MS direct;
LC0003	H118A		LC-MS/MS (SPE); online SPE	LC-MS/MS (SPE); online SPE	
LC0004	H118A				LC-MS/MS; house method
LC0005	H118A	LC-MS/MS direct; DIN 38407-36		LC-MS/MS direct; DIN 38407-36	
LC0006	H118A	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
LC0007	H118A				
LC0008	H118A			LC-MS;	
LC0009	H118A				
LC0010	H118A		LC-MS/MS;		
LC0011	H118A	LC-MS/MS; DIN 38407-35	LC-MS/MS; DIN 38407-35	GC-MS (SPE-disks); EN 16693	LC-MS/MS; DIN 38407-35
LC0012	H118A	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	H118A		LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36	
LC0014	H118A				
LC0015	H118A				LC-MS/MS;
LC0016	H118A			LC-MS/MS;	

LabCode	Sample	2,6-Dichlorobenzamide	Alachlor	Atrazine	Atrazine-desethyl	Terbutylazine-desethyl
LC0001	H118B	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	H118B	LC-MS/MS direct;		LC-MS/MS direct;	LC-MS/MS direct;	LC-MS/MS direct;
LC0003	H118B	LC-MS/MS (SPE); online SPE	LC-MS/MS (SPE); online SPE	LC-MS/MS (SPE); online SPE	LC-MS/MS (SPE); online SPE	LC-MS/MS (SPE); online SPE
LC0004	H118B	LC (UV-detection); EN ISO 11369; F12		LC (UV-detection); EN ISO 11369; F12	LC (UV-detection); EN ISO 11369; F12	LC (UV-detection); EN ISO 11369; F12
LC0005	H118B	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
LC0006	H118B	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
LC0007	H118B	GC-MS Screening;		GC-MS Screening;	GC-MS Screening;	
LC0008	H118B	LC-MS;	LC-MS;	LC-MS;	LC-MS;	LC-MS;
LC0009	H118B	LC-MS/MS direct;		LC-MS/MS direct;	LC-MS/MS direct;	LC-MS/MS direct;
LC0010	H118B		LC-MS/MS;	LC-MS/MS;	LC-MS/MS;	LC-MS/MS;
LC0011	H118B	LC-MS/MS; DIN 38407-35	GC-MS (SPE-disks); EN 16693	GC-MS (SPE-disks); EN 16693	GC-MS (SPE-disks); EN 16693	GC-MS (SPE-disks); EN 16693
LC0012	H118B	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	H118B	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36
LC0014	H118B		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
LC0015	H118B	LC-MS/MS;		LC-MS/MS;		
LC0016	H118B			LC-MS/MS;	LC-MS/MS;	LC-MS/MS;

LabCode	Sample	Atrazine- desisopropyl	Bromacil	Cyanazine	Diuron	Metolachlor
LC0001	H118B	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	H118B	LC-MS/MS direct;			LC-MS/MS direct;	LC-MS/MS direct;
LC0003	H118B	LC-MS/MS (SPE); online SPE			LC-MS/MS (SPE); online SPE	LC-MS/MS (SPE); online SPE
LC0004	H118B	LC (UV- detection); EN ISO 11369; F12			LC (UV- detection); EN ISO 11369; F12	LC-MS/MS; house method
LC0005	H118B	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
LC0006	H118B	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
LC0007	H118B				LC-MS/MS direct;	LC-MS/MS direct;
LC0008	H118B	LC-MS;		LC-MS;	LC-MS;	LC-MS;
LC0009	H118B	LC-MS/MS direct;		LC-MS/MS direct;	LC-MS/MS direct;	LC-MS/MS direct;
LC0010	H118B	LC-MS/MS;				LC-MS/MS;
LC0011	H118B	GC-MS (SPE- disks); EN 16693	LC-MS/MS; DIN 38407-35	GC-MS (SPE- disks); EN 16693	LC-MS/MS; DIN 38407-35	GC-MS (SPE- disks); EN 16693
LC0012	H118B	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	H118B	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36
LC0014	H118B	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
LC0015	H118B			LC-MS/MS;	LC-MS/MS;	
LC0016	H118B	LC-MS/MS;			LC-MS/MS;	LC-MS/MS;

LabCode	Sample	Prometryn	Propazine	Sebuthylazine	Simazine	Terbuthylazine
LC0001	H118B	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	H118B				LC-MS/MS direct;	LC-MS/MS direct;
LC0003	H118B				LC-MS/MS (SPE); online SPE	LC-MS/MS (SPE); online SPE
LC0004	H118B		LC (UV-detection); EN ISO 11369; F12	LC (UV-detection); EN ISO 11369; F12	LC (UV-detection); EN ISO 11369; F12	LC (UV-detection); EN ISO 11369; F12
LC0005	H118B	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
LC0006	H118B	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
LC0007	H118B				GC-MS Screening;	GC-MS Screening;
LC0008	H118B		LC-MS;		LC-MS;	LC-MS;
LC0009	H118B	LC-MS/MS direct;	LC-MS/MS direct;		LC-MS/MS direct;	LC-MS/MS direct;
LC0010	H118B	LC-MS/MS;	LC-MS/MS;		LC-MS/MS;	LC-MS/MS;
LC0011	H118B	GC-MS (SPE-disks); EN 16693	GC-MS (SPE-disks); EN 16693	GC-MS (SPE-disks); EN 16693	GC-MS (SPE-disks); EN 16693	GC-MS (SPE-disks); EN 16693
LC0012	H118B	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	H118B	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36
LC0014	H118B	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
LC0015	H118B	LC-MS/MS;			LC-MS/MS;	LC-MS/MS;
LC0016	H118B	LC-MS/MS;	LC-MS/MS;		LC-MS/MS;	LC-MS/MS;

LabCode	Sample	Terbutryn	Chloridazon	Chloridazon- desphenyl	Chloridazon- methyl- desphenyl	Atrazine- desethyl- desisopropyl
LC0001	H118B	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	H118B	LC-MS/MS direct;	LC-MS/MS direct;	LC-MS/MS direct;	LC-MS/MS direct;	
LC0003	H118B	LC-MS/MS (SPE); online SPE	LC-MS/MS (SPE); online SPE			
LC0004	H118B		LC-MS/MS; house method	LC-MS/MS; house method	LC-MS/MS; house method	
LC0005	H118B	LC-MS/MS direct; DIN 38407-36				
LC0006	H118B	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
LC0007	H118B	GC-MS Screening;	LC-MS/MS direct;		GC-MS Screening;	
LC0008	H118B	LC-MS;	LC-MS;			
LC0009	H118B	LC-MS/MS direct;	LC-MS/MS direct;			
LC0010	H118B	LC-MS/MS;	LC-MS/MS;	LC-MS/MS;	LC-MS/MS;	LC-MS/MS;
LC0011	H118B	GC-MS (SPE- disks); EN 16693	LC-MS/MS; DIN 38407-35	LC-MS/MS; DIN 38407-35	LC-MS/MS; DIN 38407-35	LC-MS/MS; DIN 38407-35
LC0012	H118B	LC-MS/MS direct; DIN 38407-36				LC-MS/MS direct; DIN 38407-36
LC0013	H118B	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36			
LC0014	H118B	LC (UV- detection); EN ISO 11369	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36	
LC0015	H118B	GC-MS/MS; L/L	LC-MS/MS;	LC-MS/MS;	LC-MS/MS;	
LC0016	H118B		LC-MS/MS;	LC-MS/MS;	LC-MS/MS;	

LabCode	Sample	Nicosulfurone	Clopyralid	Dimethenamide	N,N-Dimethylsulfamide (DMS)
LC0001	H118B	LC-MS/MS direct; DIN 38407-36		LC-MS/MS direct; DIN 38407-36	
LC0002	H118B	LC-MS/MS direct;		LC-MS/MS direct;	LC-MS/MS direct;
LC0003	H118B		LC-MS/MS;	LC-MS/MS;	
LC0004	H118B				LC-MS/MS; house method
LC0005	H118B	LC-MS/MS direct; DIN 38407-36		LC-MS/MS direct; DIN 38407-36	
LC0006	H118B	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
LC0007	H118B				
LC0008	H118B			LC-MS;	
LC0009	H118B				
LC0010	H118B		LC-MS/MS;		
LC0011	H118B	LC-MS/MS; DIN 38407-35	LC-MS/MS; DIN 38407-35	GC-MS (SPE-disks); EN 16693	LC-MS/MS; DIN 38407-35
LC0012	H118B	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	H118B		LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36	
LC0014	H118B				
LC0015	H118B				LC-MS/MS;
LC0016	H118B			LC-MS/MS;	