

**Proficiency Testing Scheme für die
Wasseranalytik - Realproben
C75 Leichtflüchtige halogenierte
Kohlenwasserstoffe (LHKW)**

**Proficiency Testing Scheme for Water
Analysis - natural water samples
C75 Volatile halogenated hydrocarbons (VHH)**

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D1. Beschreibung des Ringversuchs

D1.1. Ausgestaltung und Durchführung

- Anzahl der Anmeldungen: 15
- Anzahl der übermittelten Datensätze: 15
- Probenversand: 21.04.2026
- Einsendeschluss der Daten: 19.05.2026

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 16.04.2026.

Das Probenmaterial umfasste:

- 1 Probe Grundwasser (C75 A)
- 1 Probe Oberflächenwasser (C75 B)

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

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

Die homogenen Prüfgegenstände wurden am 21.04.2026 verschickt.

Jedes Teilnehmerlabor erhielt:

- 2 Proben zu je ca. 600 ml, abgefüllt in je 1 x 600 ml Aluminium-Flaschen

D1.3. Anweisungen für die Teilnehmenden

Aus Stabilitätsgründen wurde empfohlen bis spätestens 29.04.2026 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. Die Bestimmung der Parameter wurde an ein externes Labor (akkreditiert nach EN ISO/IEC 17025 für die o.a. Parameter) im Unterauftrag vergeben (verdeckte Vergabe, Proben anonymisiert) und erfolgte zeitnah zum Probenversand.

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 2025.

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 19.05.2026 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 Stunden aufgefordert.

Nach Abschluss der Plausibilitätsprüfung, wurde der Ausreißertest nach Hampel durchgeführt und die Ausreißer ermittelt. Die von diesem Test auffällig eingestufteten 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 gleicher 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 Expert:innenbefund). 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 $n=6$ 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. Die Prüfung auf Rückführbarkeit des zugewiesenen Wertes erfolgt durch Vergleich mit dem Mittelwert des Kontrolllabores.

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:

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

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 2025 (RSDpooled). In begründeten Fällen (z.B. Ergebnisse Realproben nahe an Mindestbestimmungsgrenze oder regulatorischer Vorgaben) erfolgt die Festlegung nach Expertenbefund und die Vorgangsweise wird unter Punkt D4 des Berichts beschrieben.

D2.2. Leistungskriterium E_n-Score

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

Die Ermittlung der E_n-Scores erfolgte gemäß nachfolgender Formel:

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

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-Scores erfolgt die Berücksichtigung der erweiterten Messunsicherheiten der Teilnehmenden und des zugewiesenen Wertes.

$|E_n\text{-Score}| > 1.0$ können darauf hinweisen, dass die Unsicherheitsschätzungen überprüft oder ein Messproblem korrigiert werden muss.

D3. Darstellung und Interpretation der Messergebnisse

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

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

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

D4. Anmerkungen zur Auswertung

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

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

Als Ergebnis einer Langzeitauswertung von Eignungsprüfungen (Realproben) von 2015 bis 2025 wurden Kriterien (RSDpool) zur Ergebnisbewertung berechnet. Diese wurden im Zuge der Auswertung den relativen Vergleichsstandardabweichungen (vR) des aktuellen Ringversuchs gegenübergestellt.

Parameter 1,1,1-Trichlorethan, 1,1-Dichlorethen, 1,2-Dichlorethan, Tetrachlorethen, Tetrachlormethan, trans-1,2-Dichlorethen und Trichlormethan bei Probe C75 A und Parameter 1,1,1-Trichlorethan, 1,1-Dichlorethen, 1,2-Dichlorethan, Bromdichlormethan, cis-1,2-Dichlorethen, Dibromchlormethan, Tetrachlorethen, Tetrachlormethan, trans-1,2-Dichlorethen, Trichlorethen und Trichlormethan bei Probe C75 B: Bei diesen Parametern erfolgt die Berechnung der Scores nach D2.

Parameter Bromdichlormethan, cis-1,2-Dichlorethen, Dibromchlormethan, Dichlormethan, Tribrommethan und Trichlorethen bei Probe C75 A und Parameter Dichlormethan und Tribrommethan bei Probe C75 B:

Für diese Parameter wurden relative Vergleichsstandardabweichungen (vR) der aktuellen Eignungsprüfungsrunde für die Bewertung gewählt.

D5. Erläuterung zu Tabellen und Grafiken

D5.1. Angaben und Abkürzungen in Tabellen

Parameter	Allgemeine Bezeichnung des Analysenparameters
Probe	Bezeichnung der übermittelten Probe
Einheit	Vorgegebene Einheit für Messwert und Ergebnisunsicherheit (z.B. µg/l)

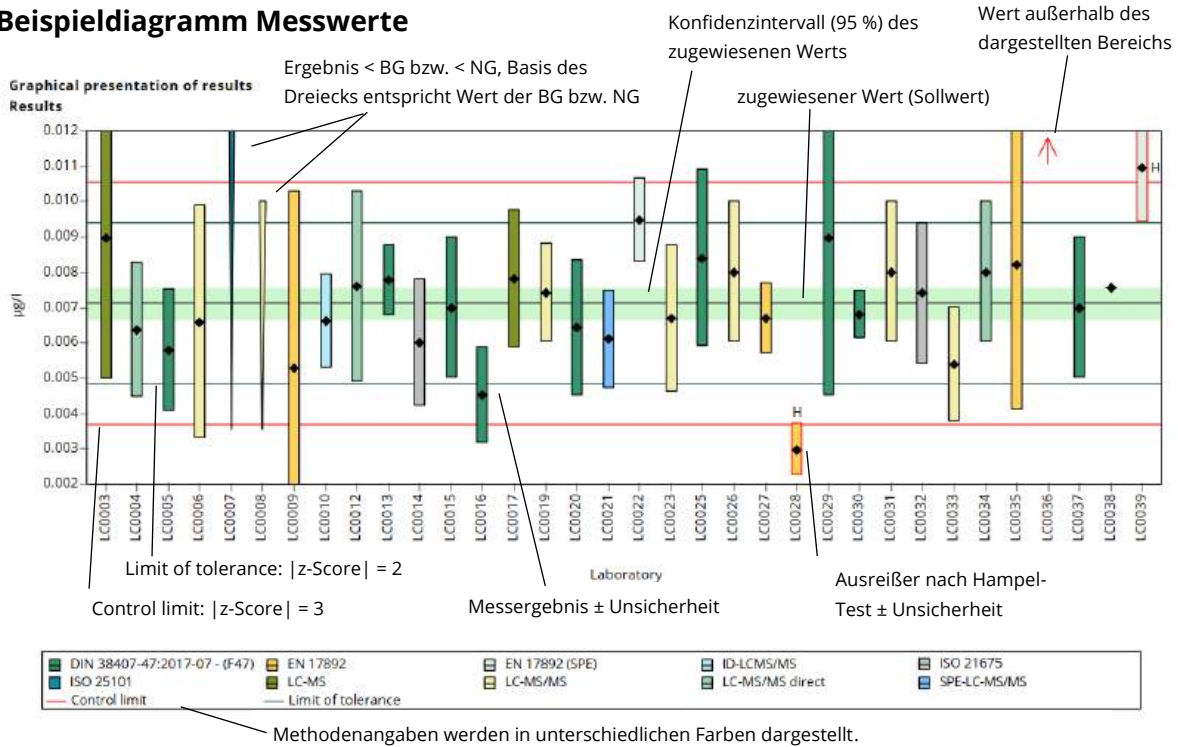
Zugewiesener Wert	Sollwert für die Leistungsbewertung der Teilnehmenden (angegeben auf 3 signifikante Stellen)
U (k=2)	erweiterte Unsicherheit (k=2) des zugewiesenen Wertes, (angegeben auf 3 signifikante Stellen)
Kriterium	Vorgabewert zur Ermittlung des z-Scores in der angegebenen Einheit (angegeben auf 3 signifikante Stellen)
Kriterium [%]	Vorgabewert zur Ermittlung des z-Scores in % des zugewiesenen Wertes (angegeben auf 2 signifikante Stellen)
Mittelwert	Ausreißerbereinigter Mittelwert über die Ergebnisse der Teilnehmenden (angegeben auf 3 signifikante Stellen)
VB (99%)	99 % Vertrauensbereich (angegeben auf 3 signifikante Stellen)
Minimum	Minimales abgegebenes Messergebnis, ausreißerbereinigt (angegeben auf 3 signifikante Stellen)
Maximum	Maximales abgegebenes Messergebnis, ausreißerbereinigt (angegeben auf 3 signifikante Stellen)
sR	Vergleichsstandardabweichung, berechnet aus den ausreißerbereinigten Ergebnissen der Teilnehmenden des aktuellen Ringversuchs (angegeben auf 3 signifikante Stellen)
vR	relative Vergleichsstandardabweichung in %, berechnet aus den ausreißerbereinigten Ergebnissen der Teilnehmenden des aktuellen Ringversuchs bezogen auf den Mittelwert (angegeben auf 2 signifikante Stellen)
Kontrollwert ± U (k=2)	Mittelwert der Kontrollmessungen des Veranstalters ± erweiterte Ergebnisunsicherheit des Kontrollwertes (jeweils angegeben auf 3 signifikante Stellen)
Laborcode	anonymisierte, eindeutige Kennung des teilnehmenden Labors im jeweiligen Ringversuch
Messwert	einzelne(r) Messwert(e) lt. Angabe der Teilnehmenden (maximal 5 Nachkommastellen dargestellt)
Messergebnis	Für die Bewertung herangezogenes Ergebnis lt. Angabe der Teilnehmenden (maximal 5 Nachkommastellen dargestellt). Bei Eignungsprüfungsrunden mit Vorgabe von unabhängigen Mehrfachbestimmungen, entspricht dies dem berechneten Mittelwert aus den einzelnen Messwerten der Teilnehmenden.
± U	kombinierte Messunsicherheit ohne Erweiterungsfaktor (k=1) lt. Angabe der Teilnehmenden (maximal 5 Nachkommastellen dargestellt)
BG	Bestimmungsgrenze
NG	Nachweisgrenze

WF	Wiederfindungsrate in %, bezogen auf den zugewiesenen Wert (angegeben auf 3 signifikante Stellen, dargestellt maximal 1 Nachkommastelle)
MW	Mittelwert
z-Score	Abweichung des Messergebnisses zum zugewiesenen Wert, ausgedrückt als Vielfaches des Kriteriums (angegeben auf 3 signifikante Stellen, dargestellt maximal 2 Nachkommastellen)
E _n -Score	Abweichung des Messergebnisses zum zugewiesenen Wert, ausgedrückt als Vielfaches der kombinierten Messunsicherheiten, bestehend aus erweiterter Unsicherheit des zugewiesenen Wertes und der erweiterten Unsicherheit der Messergebnisse der Teilnehmenden (angegeben auf 3 signifikante Stellen, dargestellt maximal 2 Nachkommastellen). Beim E _n -Score erfolgt die Berücksichtigung der Messunsicherheit der Teilnehmenden.
-	Keine Daten übermittelt bzw. keine Berechnung möglich
Anmerkungen	Anmerkungen zum jeweiligen Messergebnis (z.B. H, FN, FP)
H	Ausreißer nach dem Hampel-Test
FN	Falsch negativ – Messergebnis kleiner Bestimmungsbzw. Nachweisgrenze dessen Betrag die Bedingungen eines Ausreißers nach dem Hampeltest erfüllt.
FP	Falsch positiv – Falls aufgrund des geringen Analytgehalts kein zugewiesener Wert ermittelt werden kann (n < 6), wird der Median der Beträge der übermittelten Nachweis- bzw. Bestimmungsgrenzen ermittelt. Als falsch positiv wird ein Messergebnis bewertet, welches diesen Median um mehr als 100 % übersteigt.
Standardabweichung	Vergleichsstandardabweichung berechnet aus den 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

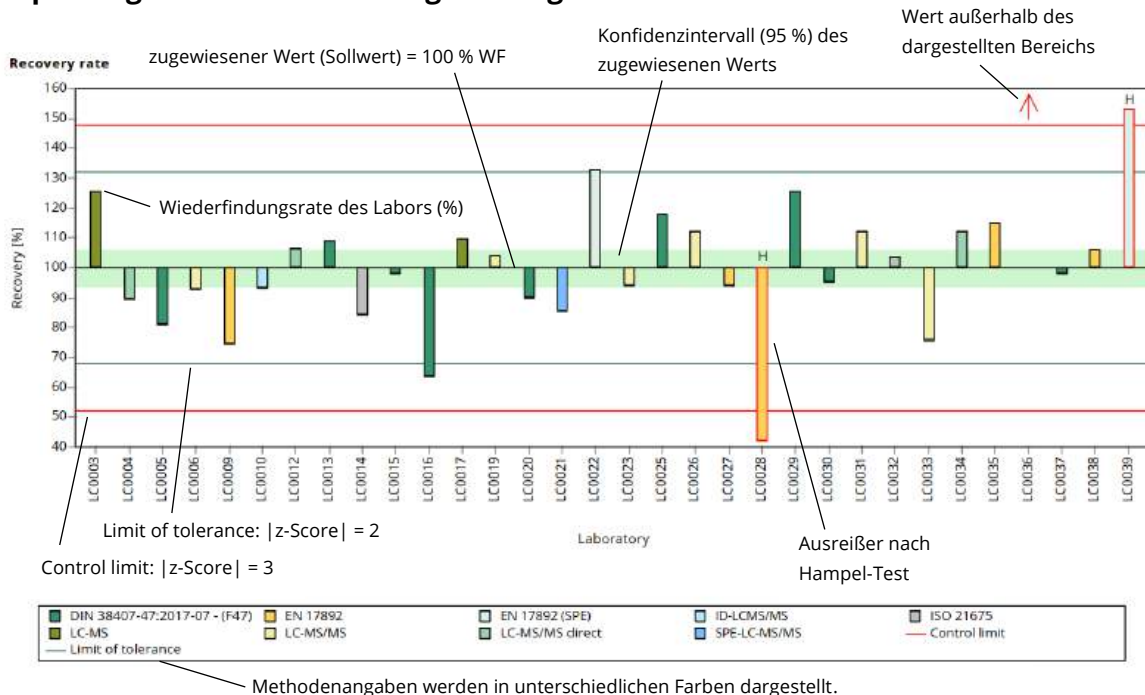
D5.2. Graphische Darstellung der Ergebnisse

Nachfolgend wird die graphische Darstellung anhand von kommentierten Beispieldiagrammen erläutert.

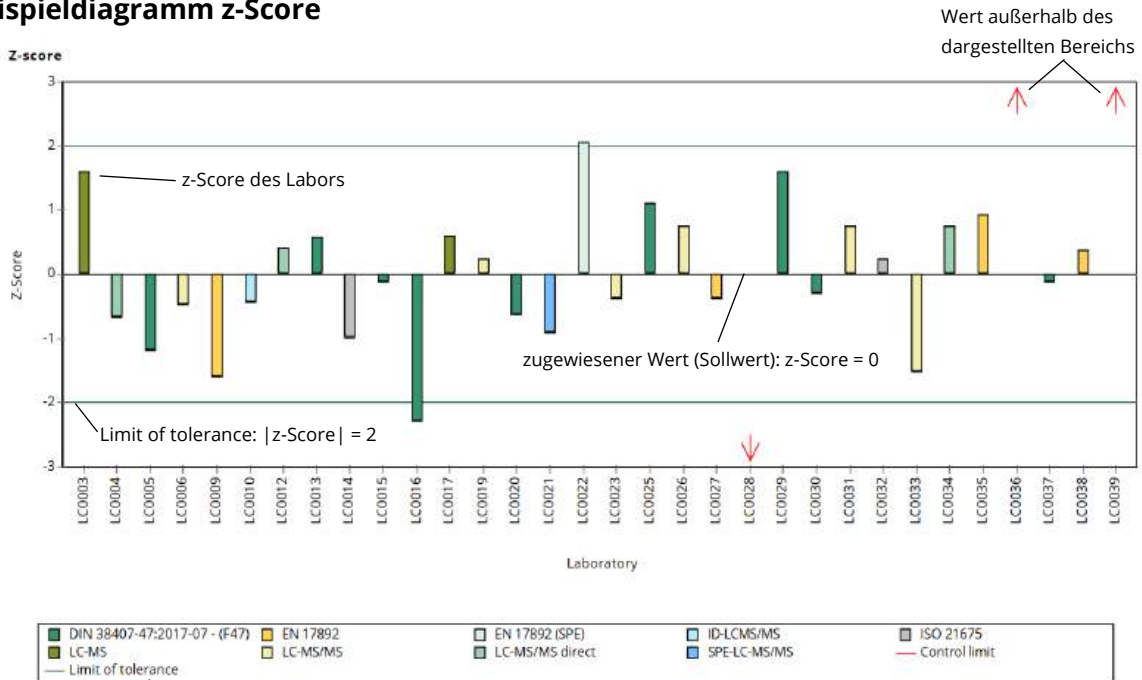
Beispieldiagramm Messwerte



Beispieldiagramm Wiederfindung zum zugewiesenen Wert

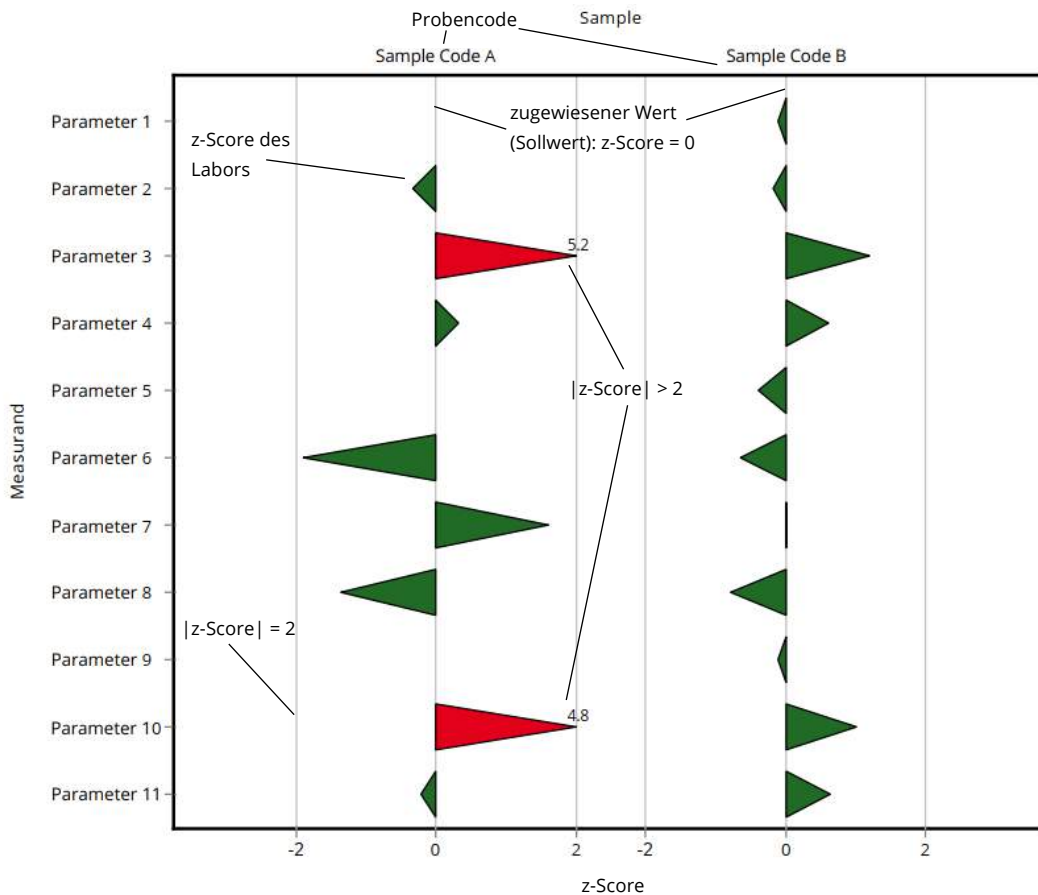


Beispieldiagramm z-Score

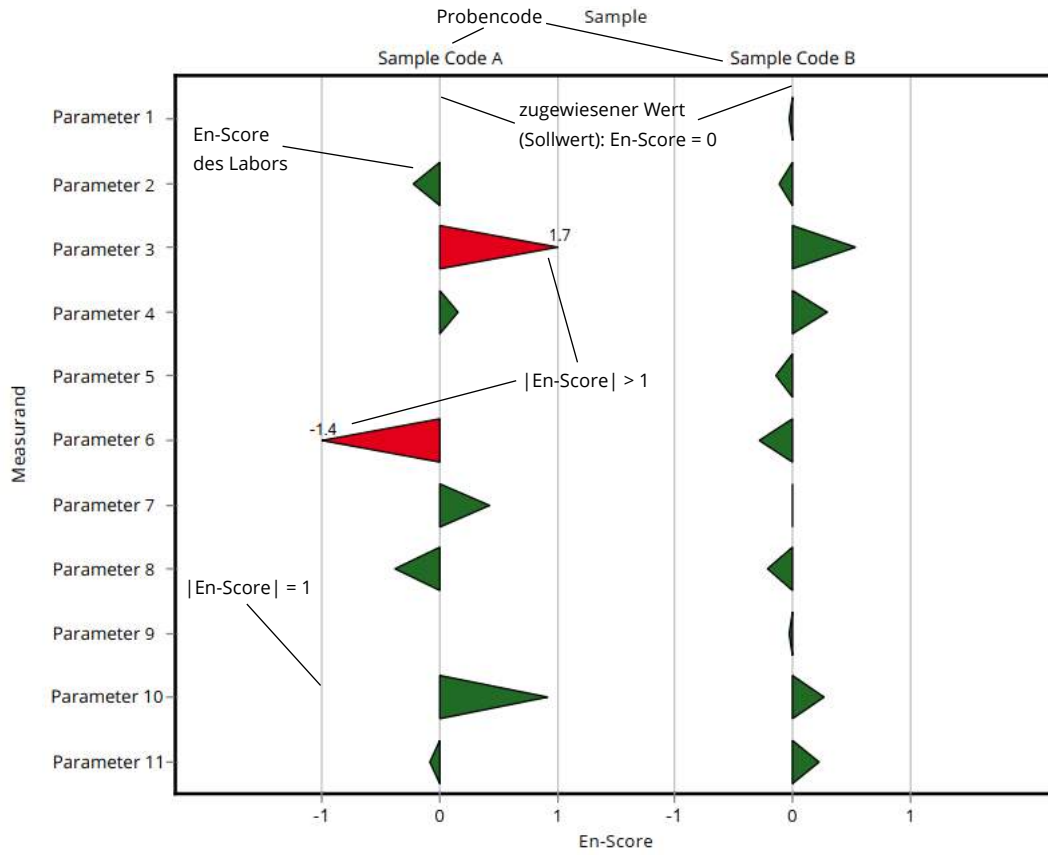


Methodenangaben werden in unterschiedlichen Farben dargestellt.

Beispieldiagramm z-Score (labororientierte Auswertung)



Beispieldiagramm En-Score (labororientierte Auswertung)



D6. Zusammenfassung

D6.1. Tabelle der zugewiesenen Werte

Parameter	Probe	Einheit	zugewiesener ± U (k=2) Wert	Kriterium	Kriterium [%]
1,1,1-Trichlorethan	C75 A	µg/l	1.19 ± 0.0546	0.179	15
	C75 B	µg/l	4.81 ± 0.176	0.721	15
1,1-Dichlorethen	C75 A	µg/l	1.09 ± 0.0687	0.186	17
	C75 B	µg/l	4.71 ± 0.355	0.802	17
1,2-Dichlorethan	C75 A	µg/l	1.37 ± 0.0714	0.178	13
	C75 B	µg/l	5.15 ± 0.281	0.669	13
Bromdichlormethan	C75 A	µg/l	1.12 ± 0.0729	0.124	11
	C75 B	µg/l	4.26 ± 0.189	0.426	10
cis-1,2-Dichlorethen	C75 A	µg/l	1.18 ± 0.101	0.177	15
	C75 B	µg/l	4.44 ± 0.272	0.621	14
Dibromchlormethan	C75 A	µg/l	1.63 ± 0.129	0.229	14
	C75 B	µg/l	5.88 ± 0.283	0.706	12
Dichlormethan	C75 A	µg/l	1.37 ± 0.125	0.22	16
	C75 B	µg/l	4.68 ± 0.573	1.03	22
Tetrachlorethen	C75 A	µg/l	1.29 ± 0.084	0.22	17
	C75 B	µg/l	5.11 ± 0.44	0.868	17
Tetrachlormethan	C75 A	µg/l	0.857 ± 0.0571	0.137	16
	C75 B	µg/l	3.58 ± 0.167	0.573	16
trans-1,2-Dichlorethen	C75 A	µg/l	0.608 ± 0.0587	0.122	20
	C75 B	µg/l	2.32 ± 0.133	0.465	20
Tribrommethan	C75 A	µg/l	2 ± 0.2	0.341	17
	C75 B	µg/l	7.69 ± 0.752	1.31	17
Trichlorethen	C75 A	µg/l	1.16 ± 0.127	0.243	21
	C75 B	µg/l	4.36 ± 0.228	0.654	15
Trichlormethan	C75 A	µg/l	1.38 ± 0.0895	0.179	13
	C75 B	µg/l	5.01 ± 0.245	0.652	13

D6.2. Zusammenfassung der ausreißerbereinigten Ringversuchsergebnisse

Parameter	Probe	Anzahl Labors für Berechnung	Anzahl Ausreißer Labors	Einheit	Mittelwert ± VB (99%)	Minimum	Maximum	sR	vR [%]
1,1,1-Trichlorethan	C75 A	14	1	µg/l	1.19 ± 0.0819	1.04	1.33	0.102	8.6
	C75 B	14	1	µg/l	4.81 ± 0.264	4.27	5.52	0.329	6.8
1,1-Dichlorethen	C75 A	12	1	µg/l	1.09 ± 0.103	0.85	1.26	0.119	11
	C75 B	12	1	µg/l	4.71 ± 0.532	3.99	6.14	0.615	13
1,2-Dichlorethan	C75 A	11	2	µg/l	1.37 ± 0.107	1.1	1.56	0.118	8.6
	C75 B	12	2	µg/l	5.15 ± 0.422	4.48	6.31	0.487	9.5
Bromdichlormethan	C75 A	12	1	µg/l	1.12 ± 0.109	0.927	1.39	0.126	11
	C75 B	12	1	µg/l	4.26 ± 0.283	3.64	4.94	0.327	7.7
cis-1,2-Dichlorethen	C75 A	12	1	µg/l	1.18 ± 0.152	0.893	1.58	0.176	15
	C75 B	12	1	µg/l	4.44 ± 0.409	3.9	5.57	0.472	11
Dibromchlormethan	C75 A	12	1	µg/l	1.63 ± 0.193	1.33	2.19	0.223	14
	C75 B	11	2	µg/l	5.88 ± 0.424	4.99	6.69	0.469	8
Dichlormethan	C75 A	13	0	µg/l	1.37 ± 0.187	1.08	1.86	0.225	16
	C75 B	13	0	µg/l	4.68 ± 0.859	2.39	6.27	1.03	22
Tetrachlorethen	C75 A	14	0	µg/l	1.29 ± 0.126	0.96	1.48	0.157	12
	C75 B	14	0	µg/l	5.11 ± 0.66	3.24	6.13	0.823	16
Tetrachlormethan	C75 A	14	1	µg/l	0.857 ± 0.0857	0.706	1.06	0.107	12
	C75 B	14	1	µg/l	3.58 ± 0.25	2.96	4.17	0.312	8.7
trans-1,2-Dichlorethen	C75 A	12	0	µg/l	0.608 ± 0.088	0.442	0.786	0.102	17
	C75 B	12	0	µg/l	2.32 ± 0.199	1.95	2.75	0.23	9.9
Tribrommethan	C75 A	12	1	µg/l	2 ± 0.3	1.57	2.86	0.346	17
	C75 B	12	1	µg/l	7.69 ± 1.13	5.9	10.9	1.3	17

Parameter	Probe	Anzahl Labors für Berechnung	Anzahl Ausreißer Labors	Einheit	Mittelwert ± VB (99%)	Minimum	Maximum	sR	vR [%]
Trichlorethen	C75 A	15	0	µg/l	1.16 ± 0.19	0.75	1.84	0.245	21
	C75 B	13	2	µg/l	4.36 ± 0.342	3.58	4.95	0.411	9.4
Trichlormethan	C75 A	14	1	µg/l	1.38 ± 0.134	1.09	1.66	0.167	12
	C75 B	14	1	µg/l	5.01 ± 0.367	4.13	5.87	0.458	9.1

E1. Description of the proficiency test

E1.1. Design and implementation

- Number of registrations: 15
- Number of submitted data records: 15
- Dispatch of samples: April 21st, 2026
- Closing date for submission of data: May 19th, 2026

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 groundwater and surface water was carried out on the 16th of April 2026.

The following samples were made available:

- 1 sample groundwater (C75 A)
- 1 sample surface water (C75 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 April 21st, 2026.

Each participant received:

- 2 samples each 600 ml, filled in 600 ml aluminium bottles

E1.3. Instructions for the participants

For reasons of stability, it was recommended to start the analysis by the 29th of April 2026 at the latest.

The participants were 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.

The determination of the parameters was performed at an external laboratory (accredited by EN ISO/IEC 17025) in subcontract (anonymous submission) and testing was performed 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 2025.

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 19th of May 2026. Any values received at later date were not considered.

During 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 prompt feedback within 24 hours.

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 $n=6$ 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. The traceability of the assigned value is checked by comparing it with the mean value of the control testing laboratory.

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 statistical data provided is 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 based on the following formula:

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

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
Criterion	is the reproducibility standard deviation calculated from previous rounds for proficiency testing for real water samples from 2013 to 2025 (as RSD pooled). Where justified (e.g. results for real water samples are close to minimum quantification limit or in case of regulatory requirements) the criterion is defined by expert judgement and the procedure is clearly described in section E4 of the report.

E2.2. Performance criterion E_n-Score

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

E_n-Scores were calculated based on the following formula:

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

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

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

Interpretation of z-Scores:

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

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

Interpretation of E_n-Scores:

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

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

E3. Representation and interpretation of measurement results

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

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

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

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

E4. Explanatory notes

As explained in section E2, the z-Score can also be calculated using the reproducibility standard deviation, calculated from the participants' results (after removal of outliers) in the relevant test round. It might occur that the z-Score between -2 and 2 covers a large range of

measurement values when the variance of the results is high. On the other hand, the range of good results can be very narrow, when the variation of the participants' results is small.

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

As a result of a long-term evaluation of proficiency testing rounds between 2015 and 2025 in real samples, evaluation criteria (RSDpool) were calculated. These criteria were compared with the relative reproducibility standard deviation (vR) of the current proficiency testing.

Parameters 1,1,1-trichloroethane, 1,1-dichloroethene, 1,2-dichloroethane, tetrachloroethene, tetrachloromethane, trans-1,2-dichloroethene and trichloromethane for sample C75 A and parameters 1,1,1-trichloroethane, 1,1-dichloroethene, 1,2-dichloroethane, bromodichloromethane, cis-1,2-dichloroethene, dibromochloromethane, tetrachloroethene, tetrachloromethane, trans-1,2-dichloroethene, trichloroethene and trichloromethane for sample C75 B: Scores for all listed parameters were calculated according to E2.

Parameters bromodichloromethane, cis-1,2-dichloroethene, dibromochloromethane, dichloromethane, tribromomethane and trichloroethene for sample C75 A and dichloromethane, tribromomethane for sample C75 B: For these parameters a reproducibility standard deviation (vR) of the current proficiency testing round was chosen for assessment.

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)

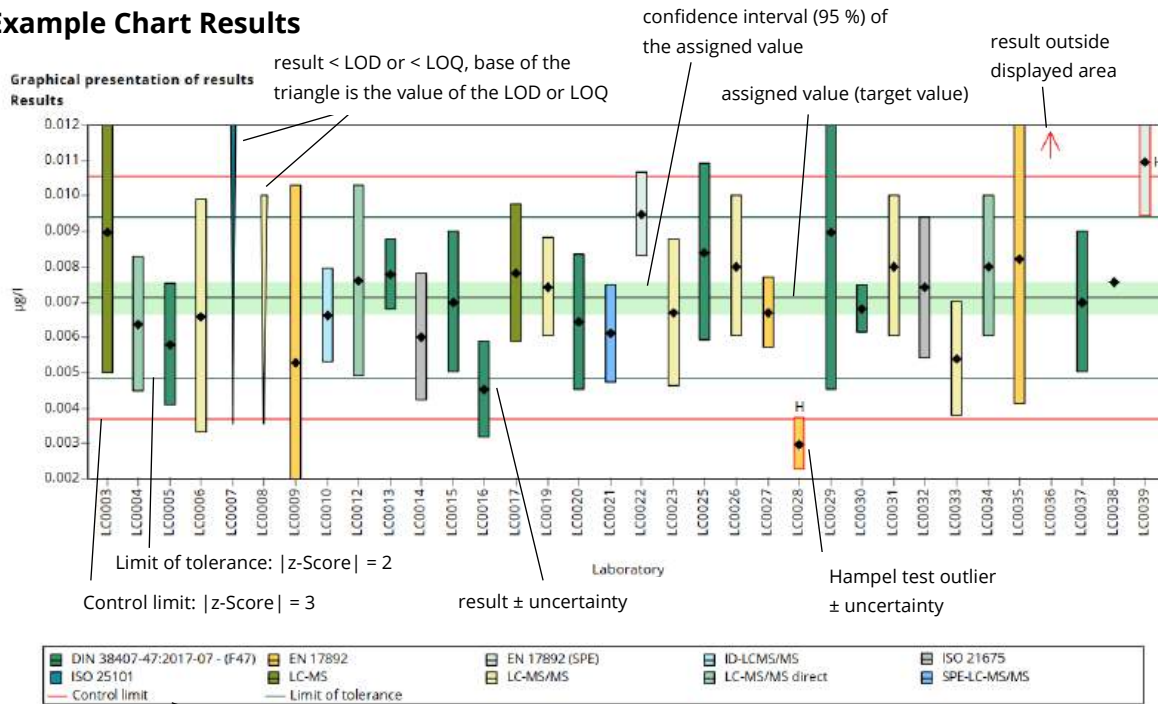
Mean	Mean of the results of the participants, without outliers (3 significant digits)
CI (99 %)	99 % confidence interval (3 significant digits)
Minimum	Minimum of all submitted results, after removal of outliers (3 significant digits)
Maximum	Maximum of all submitted results, after removal of outliers (3 significant digits)
SD	Reproducibility standard deviation, calculated from the participants results, after removal of outliers (3 significant digits)
RSD %	Reproducibility standard deviation, calculated from the participants results relative to the target value, given in %, after removal of outliers (2 significant digits)
Control test value ± U (k=2)	Mean of control test value ± expanded measurement uncertainty (3 significant digits)
Labcode	Laboratory identifier (anonymized)
Result ± U	Result as indicated by participant (max. 5 decimal places) combined measurement uncertainty without expansion factor (k=1), as indicated by participant (max. 5 decimal places)
LOQ	Limit of quantification
LOD	Limit of detection
Recovery	Recovery rate in % based on assigned value (target value) (3 significant digits, max. one decimal place given)
z-Score	Deviation of result based on the assigned value (target value) given as a multiple of the criteria (3 significant digits, max. 2 decimal places given)
E _n -Score	Deviation of result based on the assigned value (target value) given as a multiple of the combined expanded measurement uncertainty of the participant's results and expanded measurement uncertainty for the assigned value (3 significant digits, max. 2 decimal places given). Note: E _n -Score assessment considers the measurement uncertainty of the participants.
-	No data available or no calculation possible
Comments	Comment on the respective result (e.g. H, FN, FP)
H	Outlier according to Hampel-Test
FN	False negative – for a result < LOQ or result < LOD: The absolute value of the LOQ or LOD fulfils the condition of an outlier according to the Hampel test.
FP	False positive; for parameters where no target value is available because of a too low analyte content (n < 6): Result that

	exceeds the median of the absolute values of the transmitted LOQs or LODs by more than 100 %.
Standard deviation	Reproducibility standard deviation, calculated from the participants results (3 significant digits)
Rel. standard deviation	Reproducibility standard deviation, calculated from the participants results relative to the target value, given in %, (3 significant digits)
n	Number of results
*	mark for additional comments

E5.2. Graphical presentation of results

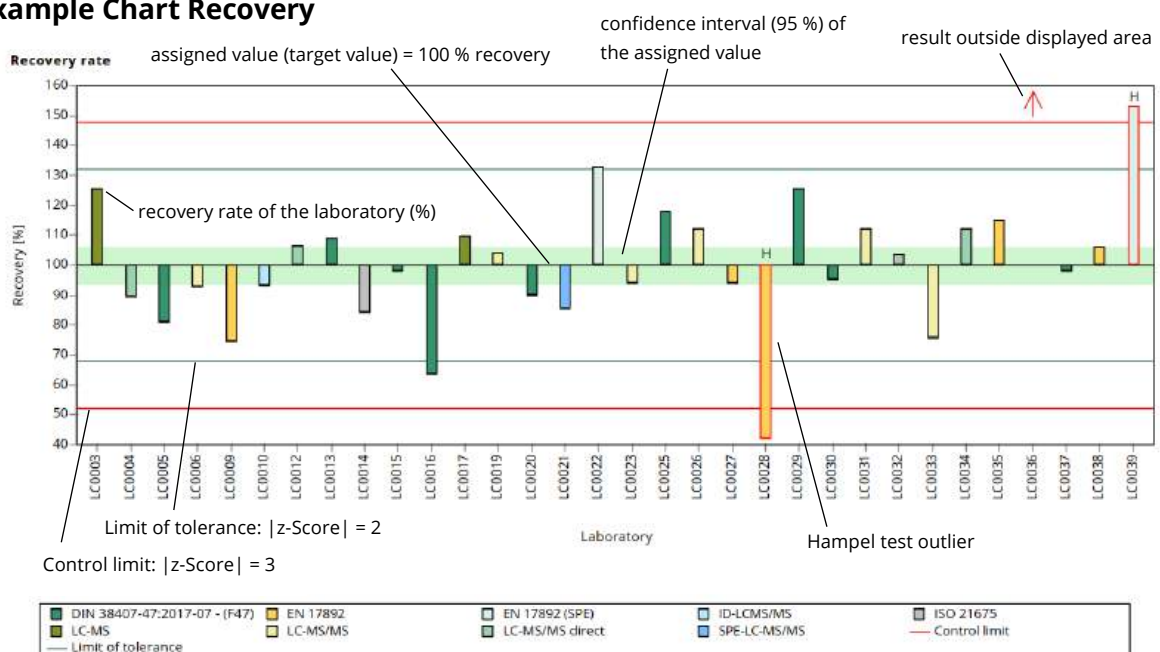
The graphic representation in the report is explained below by means of commented example diagrams.

Example Chart Results



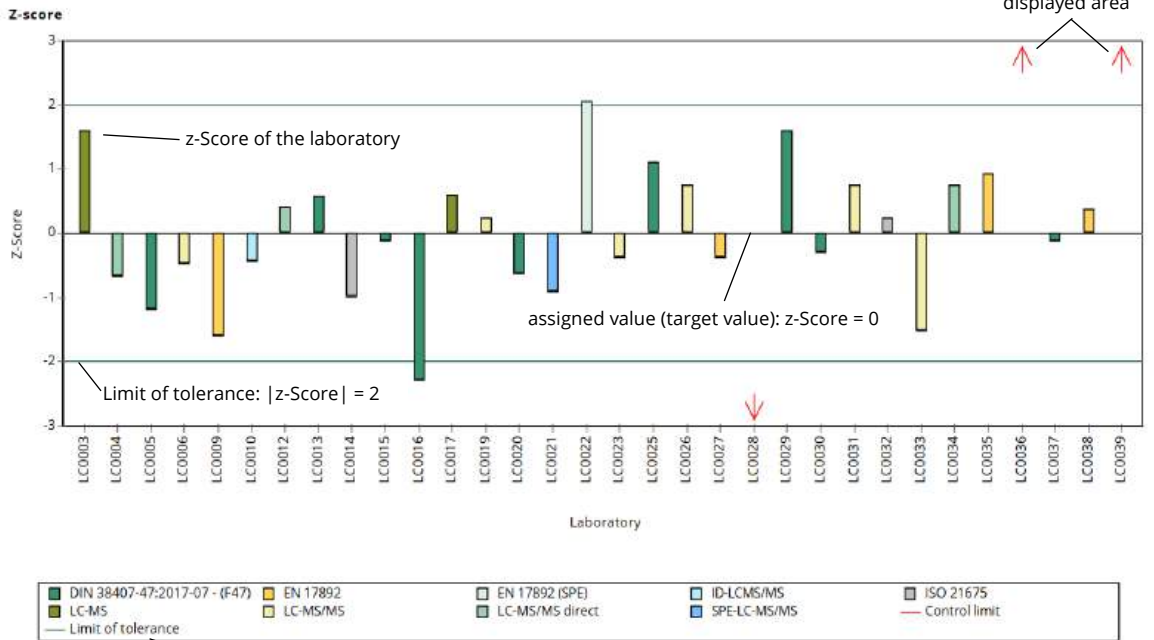
The method information is indicated by different colours.

Example Chart Recovery



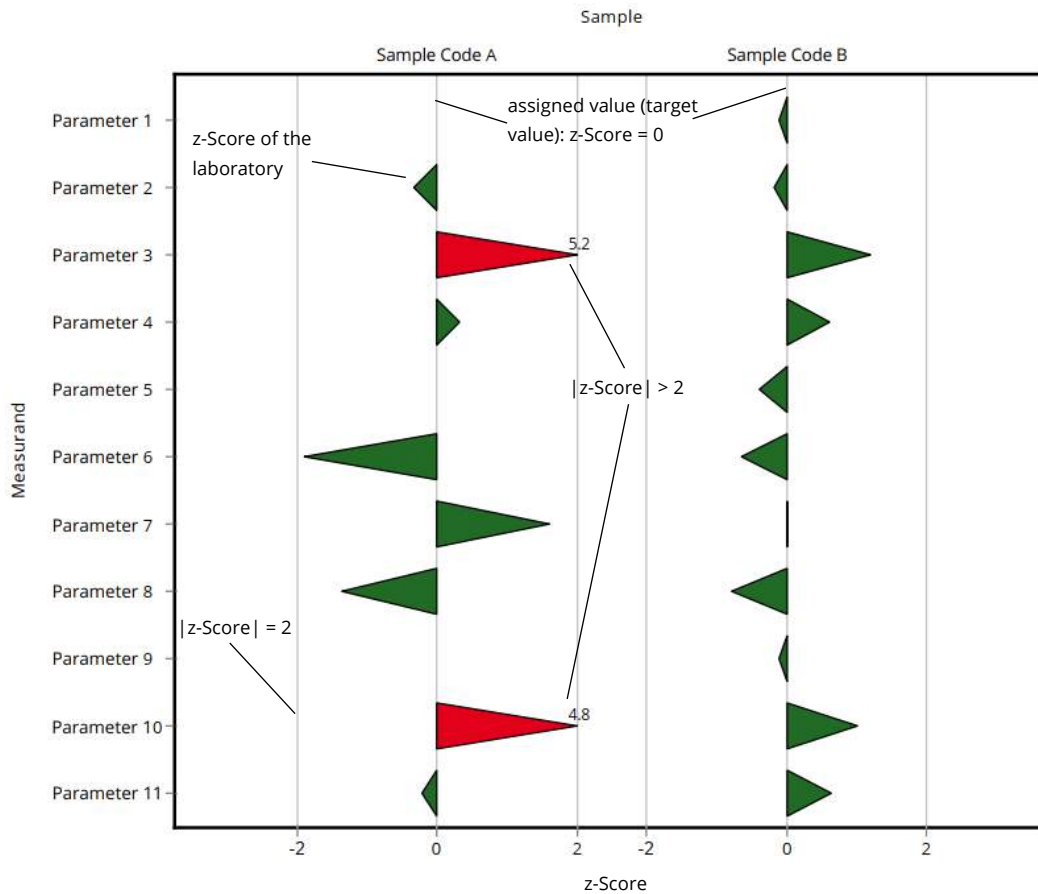
The method information is indicated by different colours.

Example chart z-Score

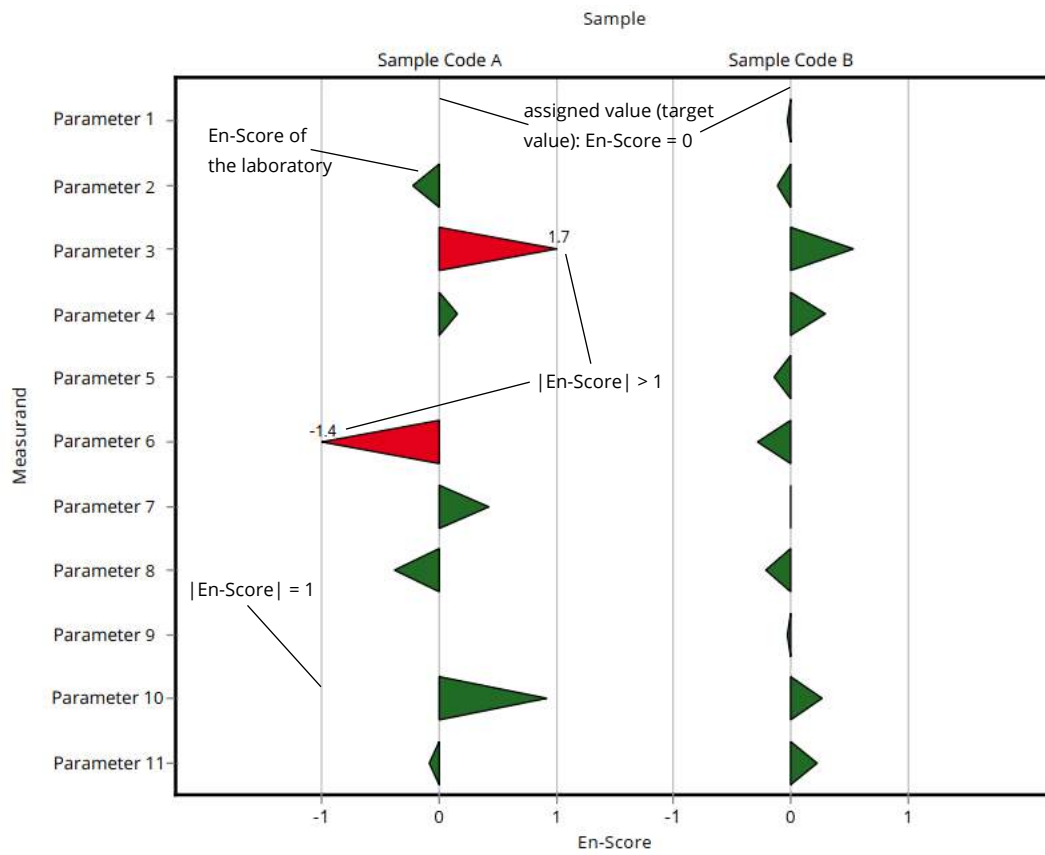


The method information is indicated by different colours.

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 [%]
1,1,1-Trichloroethane	C75 A	µg/l	1.19 ± 0.0546	0.179	15
	C75 B	µg/l	4.81 ± 0.176	0.721	15
1,1-Dichloroethene	C75 A	µg/l	1.09 ± 0.0687	0.186	17
	C75 B	µg/l	4.71 ± 0.355	0.802	17
1,2-Dichloroethane	C75 A	µg/l	1.37 ± 0.0714	0.178	13
	C75 B	µg/l	5.15 ± 0.281	0.669	13
Bromodichloromethane	C75 A	µg/l	1.12 ± 0.0729	0.124	11
	C75 B	µg/l	4.26 ± 0.189	0.426	10
cis-1,2-Dichloroethene	C75 A	µg/l	1.18 ± 0.101	0.177	15
	C75 B	µg/l	4.44 ± 0.272	0.621	14
Dibromochloromethane	C75 A	µg/l	1.63 ± 0.129	0.229	14
	C75 B	µg/l	5.88 ± 0.283	0.706	12
Dichloromethane	C75 A	µg/l	1.37 ± 0.125	0.22	16
	C75 B	µg/l	4.68 ± 0.573	1.03	22
Tetrachloroethene	C75 A	µg/l	1.29 ± 0.084	0.22	17
	C75 B	µg/l	5.11 ± 0.44	0.868	17
Tetrachloromethane	C75 A	µg/l	0.857 ± 0.0571	0.137	16
	C75 B	µg/l	3.58 ± 0.167	0.573	16
trans-1,2-Dichloroethene	C75 A	µg/l	0.608 ± 0.0587	0.122	20
	C75 B	µg/l	2.32 ± 0.133	0.465	20
Tribromomethane	C75 A	µg/l	2 ± 0.2	0.341	17
	C75 B	µg/l	7.69 ± 0.752	1.31	17
Trichloroethene	C75 A	µg/l	1.16 ± 0.127	0.243	21
	C75 B	µg/l	4.36 ± 0.228	0.654	15
Trichloromethane	C75 A	µg/l	1.38 ± 0.0895	0.179	13
	C75 B	µg/l	5.01 ± 0.245	0.652	13

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 [%]
1,1,1-Trichloroethane	C75 A	14	1	µg/l	1.19 ± 0.0819	1.04	1.33	0.102	8.6
	C75 B	14	1	µg/l	4.81 ± 0.264	4.27	5.52	0.329	6.8
1,1-Dichloroethene	C75 A	12	1	µg/l	1.09 ± 0.103	0.85	1.26	0.119	11
	C75 B	12	1	µg/l	4.71 ± 0.532	3.99	6.14	0.615	13
1,2-Dichloroethane	C75 A	11	2	µg/l	1.37 ± 0.107	1.1	1.56	0.118	8.6
	C75 B	12	2	µg/l	5.15 ± 0.422	4.48	6.31	0.487	9.5
Bromodichloromethane	C75 A	12	1	µg/l	1.12 ± 0.109	0.927	1.39	0.126	11
	C75 B	12	1	µg/l	4.26 ± 0.283	3.64	4.94	0.327	7.7
cis-1,2-Dichloroethene	C75 A	12	1	µg/l	1.18 ± 0.152	0.893	1.58	0.176	15
	C75 B	12	1	µg/l	4.44 ± 0.409	3.9	5.57	0.472	11
Dibromochloromethane	C75 A	12	1	µg/l	1.63 ± 0.193	1.33	2.19	0.223	14
	C75 B	11	2	µg/l	5.88 ± 0.424	4.99	6.69	0.469	8
Dichloromethane	C75 A	13	0	µg/l	1.37 ± 0.187	1.08	1.86	0.225	16
	C75 B	13	0	µg/l	4.68 ± 0.859	2.39	6.27	1.03	22
Tetrachloroethene	C75 A	14	0	µg/l	1.29 ± 0.126	0.96	1.48	0.157	12
	C75 B	14	0	µg/l	5.11 ± 0.66	3.24	6.13	0.823	16
Tetrachloromethane	C75 A	14	1	µg/l	0.857 ± 0.0857	0.706	1.06	0.107	12
	C75 B	14	1	µg/l	3.58 ± 0.25	2.96	4.17	0.312	8.7
trans-1,2-Dichloroethene	C75 A	12	0	µg/l	0.608 ± 0.088	0.442	0.786	0.102	17
	C75 B	12	0	µg/l	2.32 ± 0.199	1.95	2.75	0.23	9.9
Tribromomethane	C75 A	12	1	µg/l	2 ± 0.3	1.57	2.86	0.346	17
	C75 B	12	1	µg/l	7.69 ± 1.13	5.9	10.9	1.3	17

Parameter	Sample	Number of results for calculation	Number of outliers	Unit	Mean ± CI (99%)	Minimum	Maximum	sR	vR [%]
Trichloroethene	C75 A	15	0	µg/l	1.16 ± 0.19	0.75	1.84	0.245	21
	C75 B	13	2	µg/l	4.36 ± 0.342	3.58	4.95	0.411	9.4
Trichloromethane	C75 A	14	1	µg/l	1.38 ± 0.134	1.09	1.66	0.167	12
	C75 B	14	1	µg/l	5.01 ± 0.367	4.13	5.87	0.458	9.1

E7. Parameterorientierte Auswertung / Parameter oriented report

1,1,1-Trichloroethane.....	34
1,1-Dichloroethene.....	42
1,2-Dichloroethane.....	50
Bromodichloromethane.....	58
cis-1,2-Dichloroethene.....	66
Dibromochloromethane.....	74
Dichloromethane.....	82
Tetrachloroethene.....	90
Tetrachloromethane.....	98
trans-1,2-Dichloroethene.....	106
Tribromomethane.....	114
Trichloroethene.....	122
Trichloromethane.....	130

Parameter oriented report Volatile halogenated hydrocarbons (VHH) - C75

Sample: C75A, Parameter: 1,1,1-Trichloroethane

Parameter oriented report

C75 A

1,1,1-Trichloroethane

Unit	µg/l
Assigned value ± U (k=2)	1.19 ± 0.0546
Criterion	0.179 (15 %)
Minimum - Maximum	1.04 - 1.33
Control test value ± U (k=2)	1.20 ± 0.276

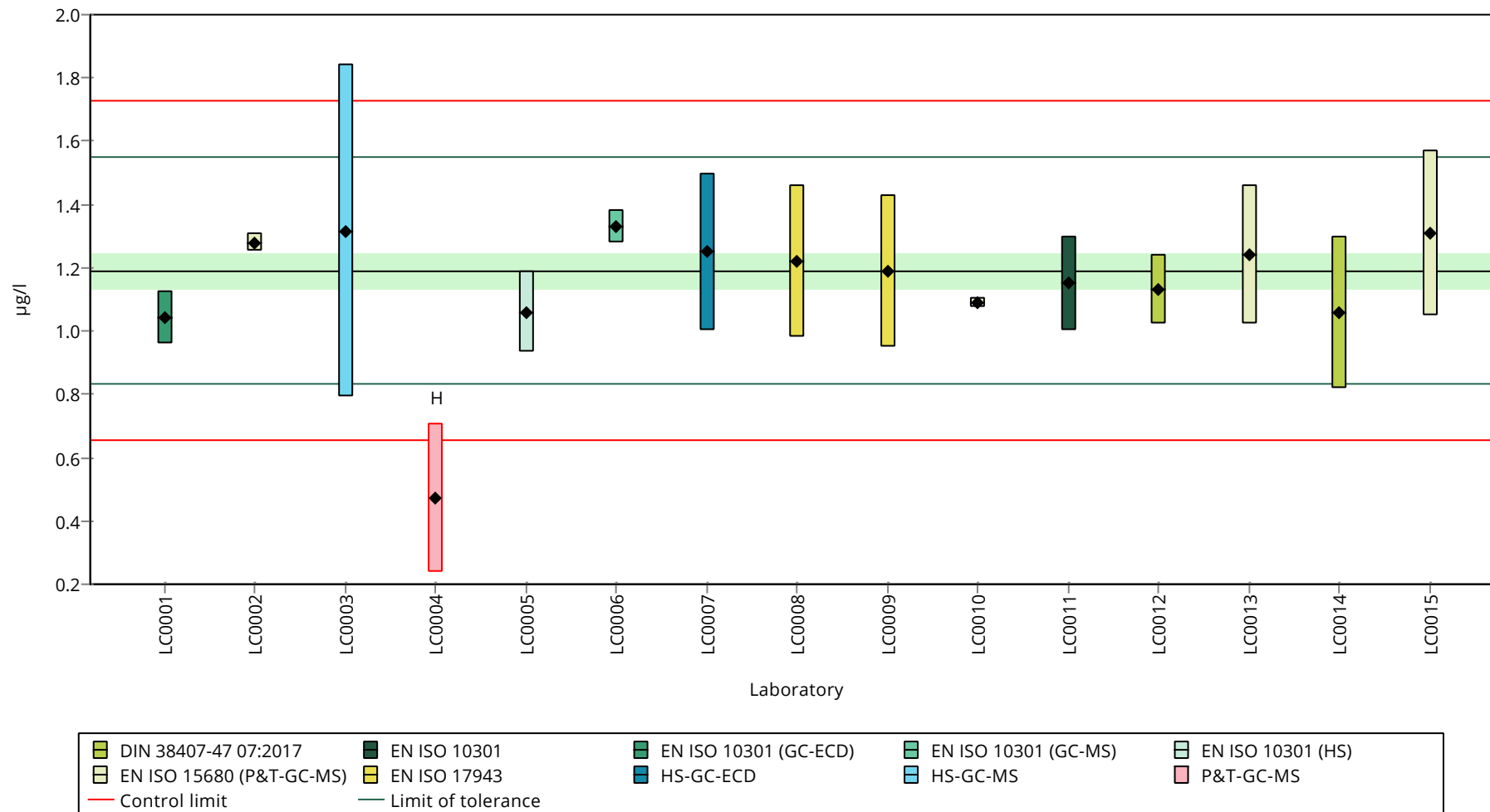
Labcode	Result ± U	Recovery [%]	z-Score	Comments
LC0001	1.043 ± 0.083	87.6	-0.83	
LC0002	1.28 ± 0.029	108	0.5	
LC0003	1.317 ± 0.527	111	0.71	
LC0004	0.47 ± 0.235	39.5	-4.04	H
LC0005	1.06 ± 0.13	89	-0.73	
LC0006	1.33 ± 0.05	112	0.78	
LC0007	1.25 ± 0.25	105	0.33	
LC0008	1.22 ± 0.24	102	0.16	
LC0009	1.19 ± 0.24	99.9	0.00	
LC0010	1.09 ± 0.015	91.5	-0.56	
LC0011	1.15 ± 0.15	96.6	-0.23	
LC0012	1.13 ± 0.11	94.9	-0.34	
LC0013	1.24 ± 0.22	104	0.28	
LC0014	1.06 ± 0.24	89	-0.73	
LC0015	1.309 ± 0.2617	110	0.66	

Characteristics of parameter

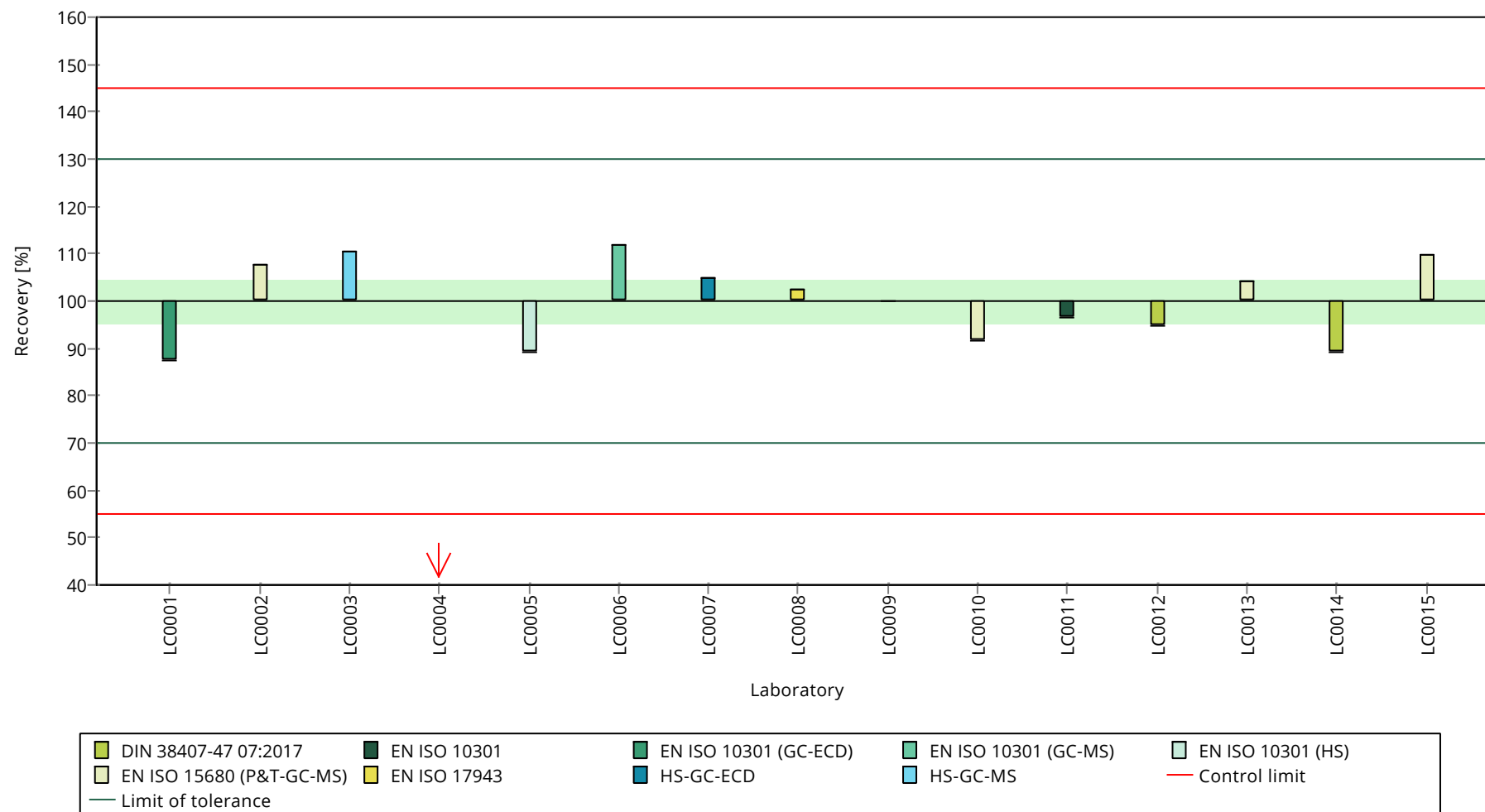
	all results	without outliers	Unit
Mean ± CI (99%)	1.14 ± 0.163	1.19 ± 0.0819	µg/l
Minimum	0.47	1.04	µg/l
Maximum	1.33	1.33	µg/l
Standard deviation	0.21	0.102	µg/l
rel. standard deviation	18.4	8.58	%
n	15	14	-

Graphical presentation of results

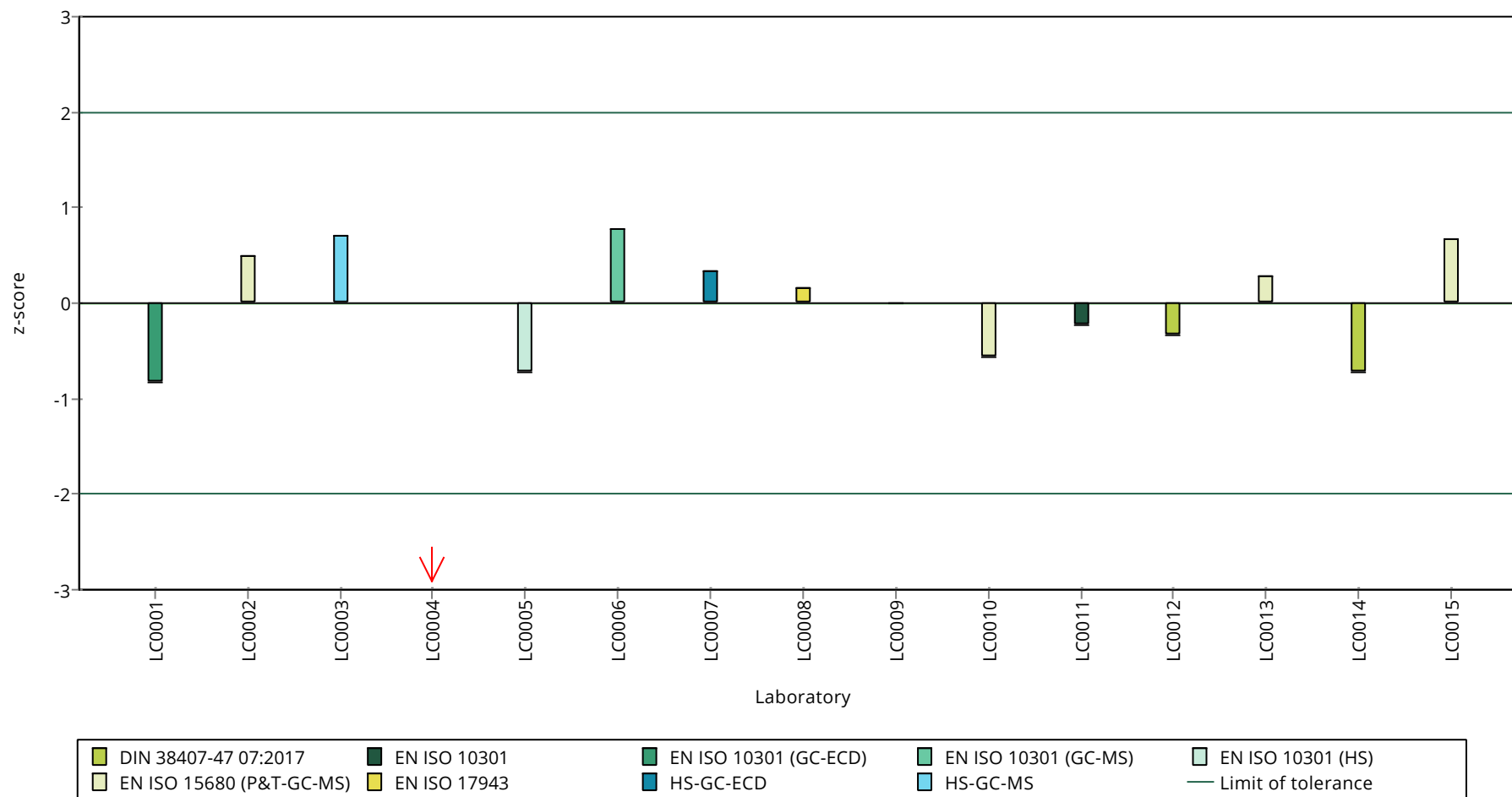
Results



Recovery rate



z-Score



Parameter oriented report Volatile halogenated hydrocarbons (VHH) - C75

Sample: C75B, Parameter: 1,1,1-Trichloroethane

Parameter oriented report

C75 B

1,1,1-Trichloroethane

Unit	µg/l
Assigned value ± U (k=2)	4.81 ± 0.176
Criterion	0.721 (15 %)
Minimum - Maximum	4.27 - 5.52
Control test value ± U (k=2)	5.20 ± 1.2

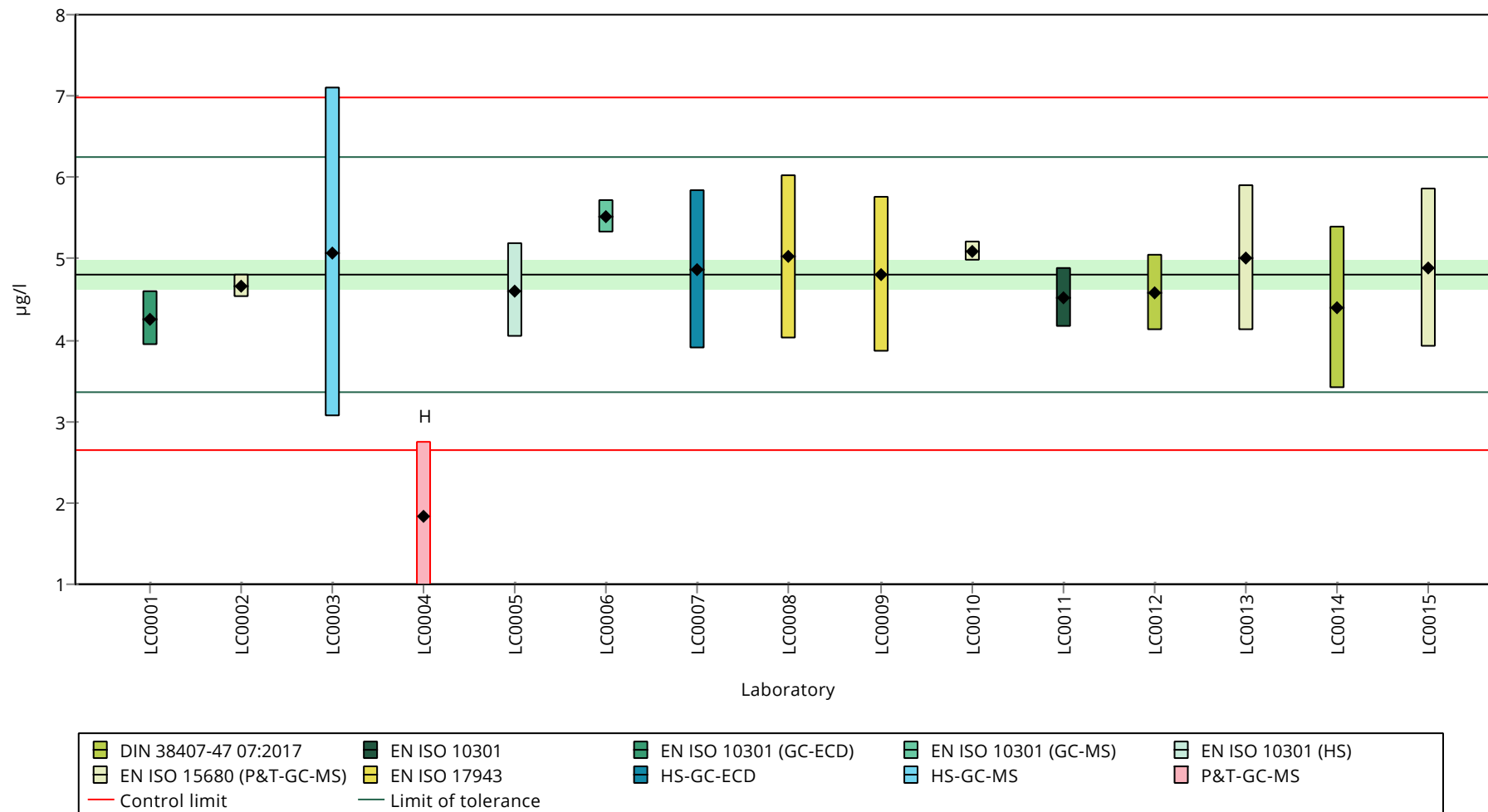
Labcode	Result ± U	Recovery [%]	z-Score	Comments
LC0001	4.265 ± 0.341	88.7	-0.75	
LC0002	4.67 ± 0.14	97.1	-0.19	
LC0003	5.079 ± 2.032	106	0.37	
LC0004	1.84 ± 0.92	38.3	-4.12	H
LC0005	4.61 ± 0.58	95.8	-0.28	
LC0006	5.52 ± 0.21	115	0.98	
LC0007	4.87 ± 0.974	101	0.08	
LC0008	5.02 ± 1	104	0.29	
LC0009	4.81 ± 0.96	100	0	
LC0010	5.09 ± 0.125	106	0.39	
LC0011	4.52 ± 0.37	94	-0.4	
LC0012	4.58 ± 0.46	95.2	-0.32	
LC0013	5.01 ± 0.9	104	0.28	
LC0014	4.4 ± 1	91.5	-0.57	
LC0015	4.891 ± 0.978	102	0.11	

Characteristics of parameter

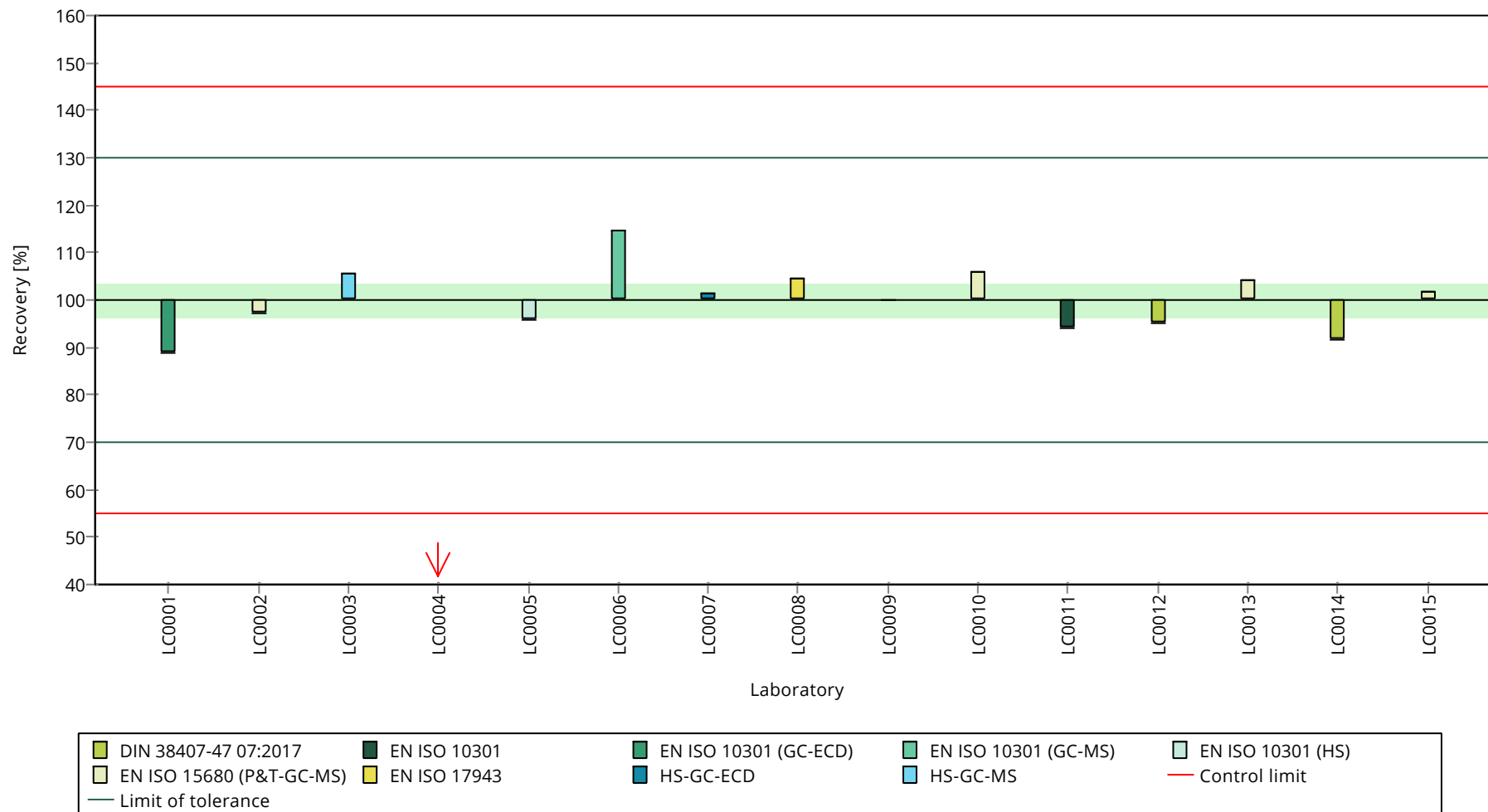
	all results	without outliers	Unit
Mean ± CI (99%)	4.61 ± 0.643	4.81 ± 0.264	µg/l
Minimum	1.84	4.27	µg/l
Maximum	5.52	5.52	µg/l
Standard deviation	0.83	0.329	µg/l
rel. standard deviation	18	6.85	%
n	15	14	-

Graphical presentation of results

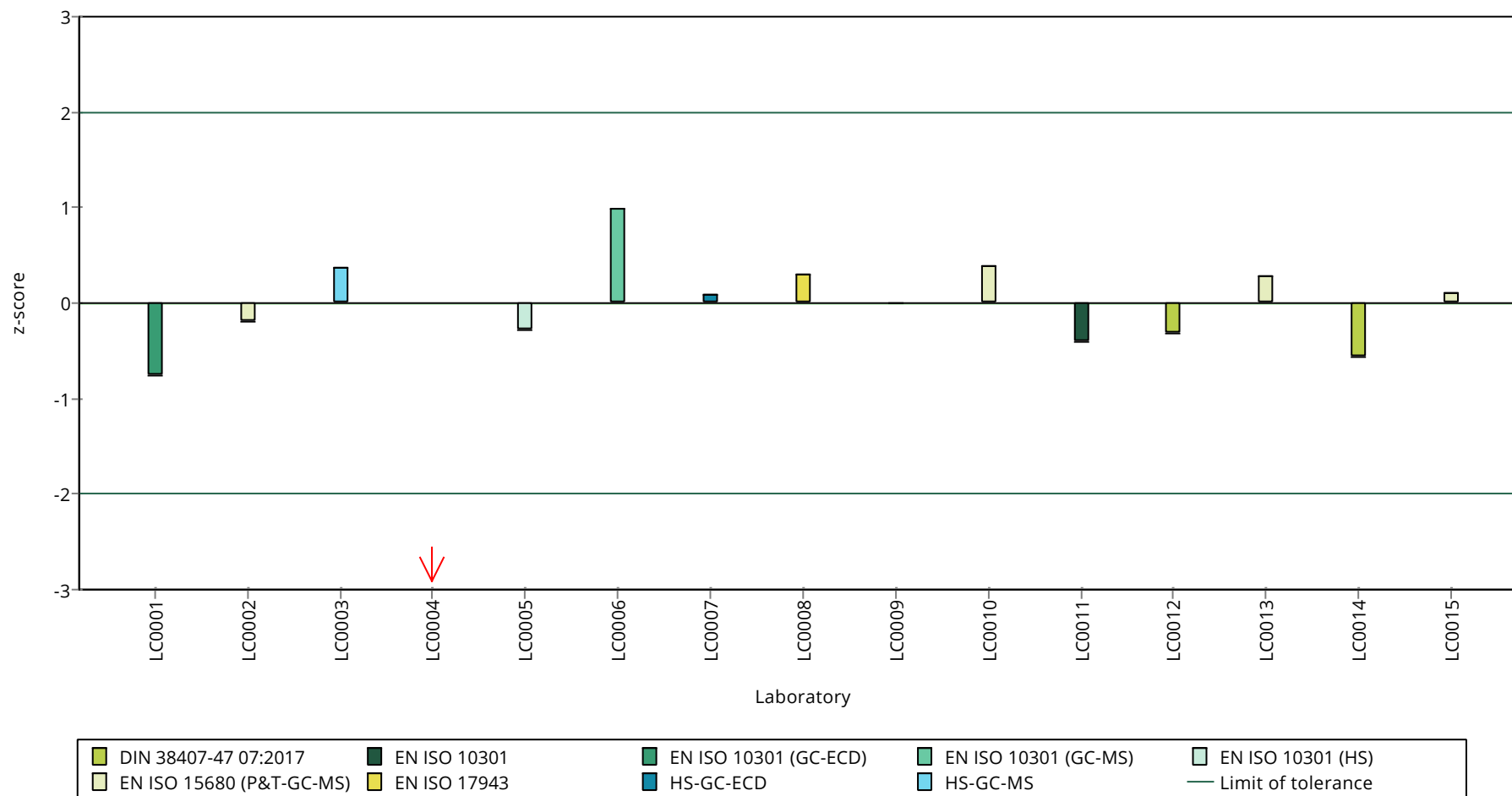
Results



Recovery rate



z-Score



Parameter oriented report Volatile halogenated hydrocarbons (VHH) - C75

Sample: C75A, Parameter: 1,1-Dichloroethene

Parameter oriented report

C75 A

1,1-Dichloroethene

Unit	µg/l
Assigned value ± U (k=2)	1.09 ± 0.0687
Criterion	0.186 (17 %)
Minimum - Maximum	0.85 - 1.26
Control test value ± U (k=2)	1.33 ± 0.318

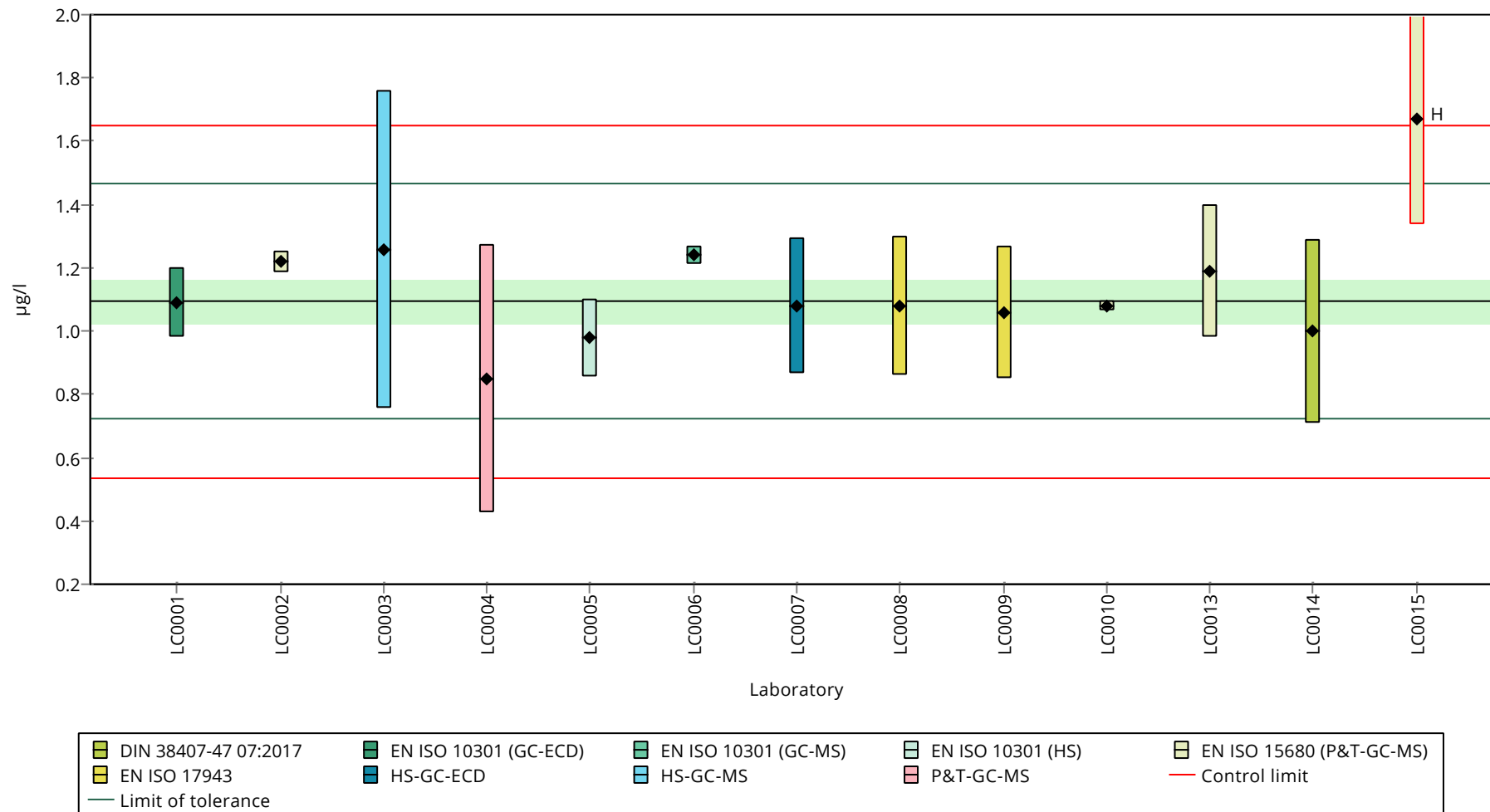
Labcode	Result ± U	Recovery [%]	z-Score	Comments
LC0001	1.09 ± 0.109	99.7	-0.02	
LC0002	1.22 ± 0.034	112	0.68	
LC0003	1.255 ± 0.502	115	0.87	
LC0004	0.85 ± 0.425	77.7	-1.31	
LC0005	0.978 ± 0.122	89.4	-0.62	
LC0006	1.24 ± 0.03	113	0.79	
LC0007	1.08 ± 0.216	98.8	-0.07	
LC0008	1.08 ± 0.22	98.8	-0.07	
LC0009	1.06 ± 0.21	96.9	-0.18	
LC0010	1.08 ± 0.015	98.8	-0.07	
LC0011	- ± -	-	-	
LC0012	- ± -	-	-	
LC0013	1.19 ± 0.21	109	0.52	
LC0014	1 ± 0.29	91.4	-0.5	
LC0015	1.671 ± 0.33428	153	3.11	H

Characteristics of parameter

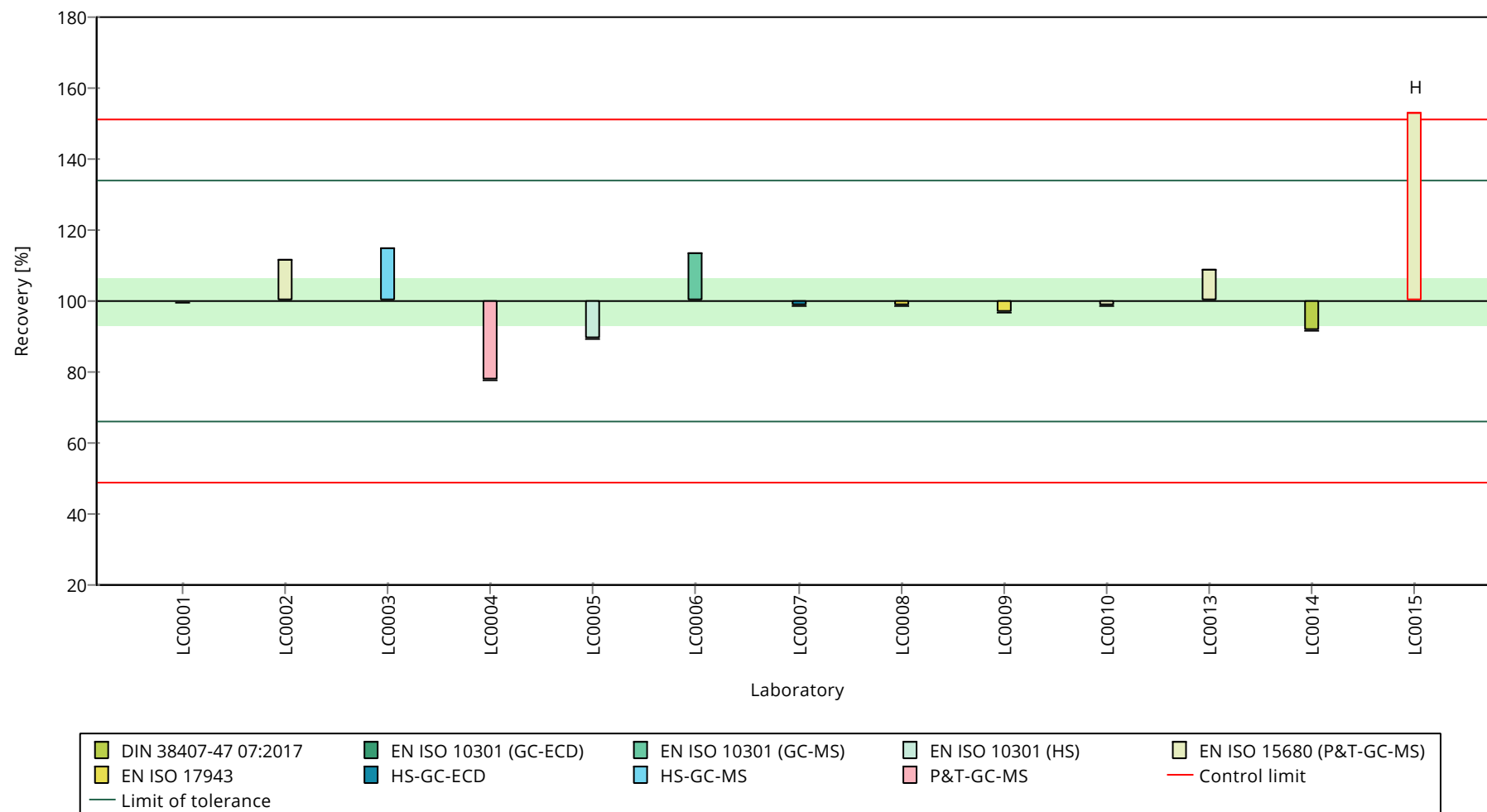
	all results	without outliers	Unit
Mean ± CI (99%)	1.14 ± 0.164	1.09 ± 0.103	µg/l
Minimum	0.85	0.85	µg/l
Maximum	1.67	1.26	µg/l
Standard deviation	0.197	0.119	µg/l
rel. standard deviation	17.3	10.9	%
n	13	12	-

Graphical presentation of results

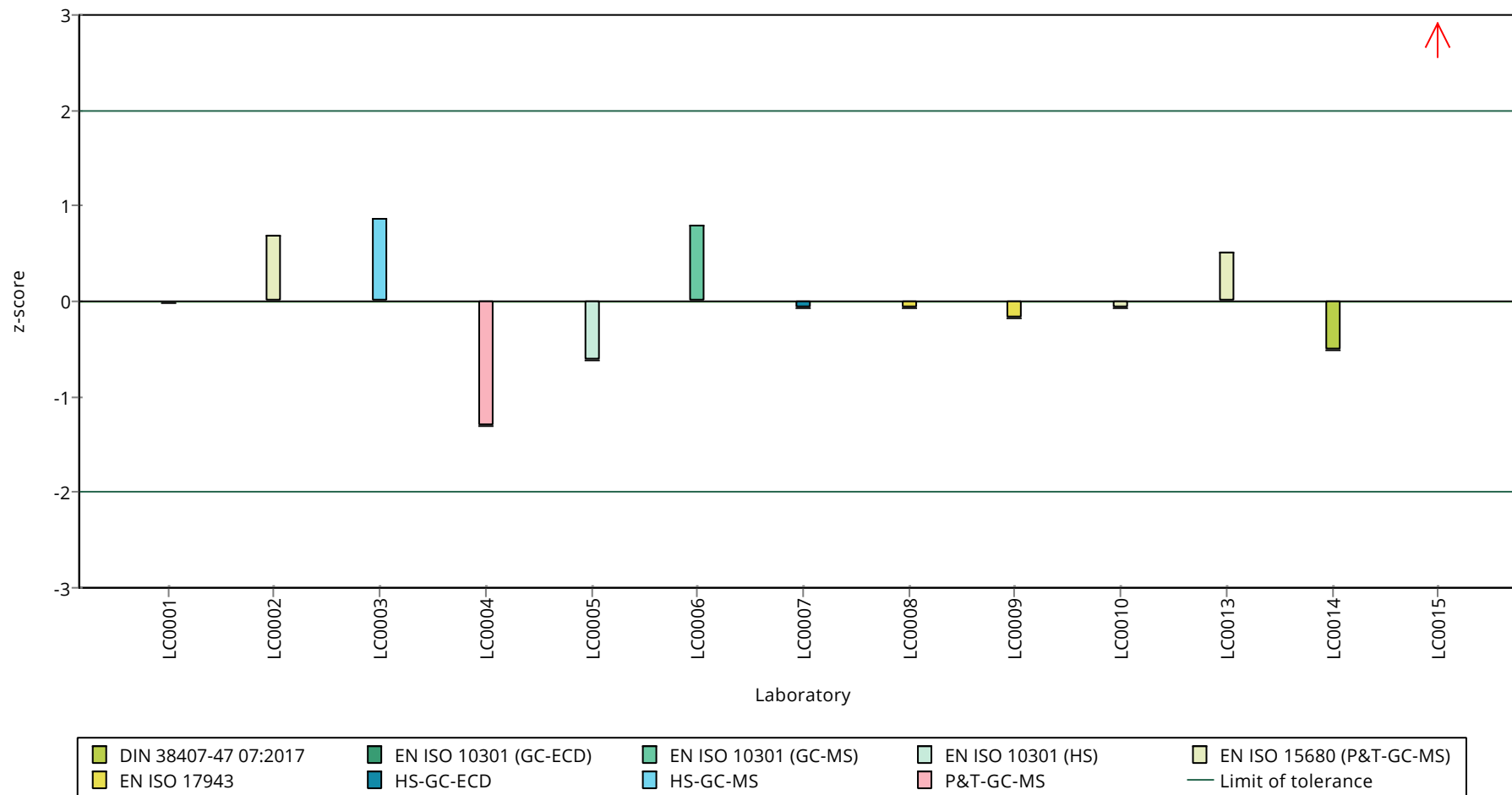
Results



Recovery rate



z-Score



Parameter oriented report Volatile halogenated hydrocarbons (VHH) - C75

Sample: C75B, Parameter: 1,1-Dichloroethene

Parameter oriented report

C75 B

1,1-Dichloroethene

Unit	µg/l
Assigned value ± U (k=2)	4.71 ± 0.355
Criterion	0.802 (17 %)
Minimum - Maximum	3.99 - 6.14
Control test value ± U (k=2)	5.86 ± 1.41

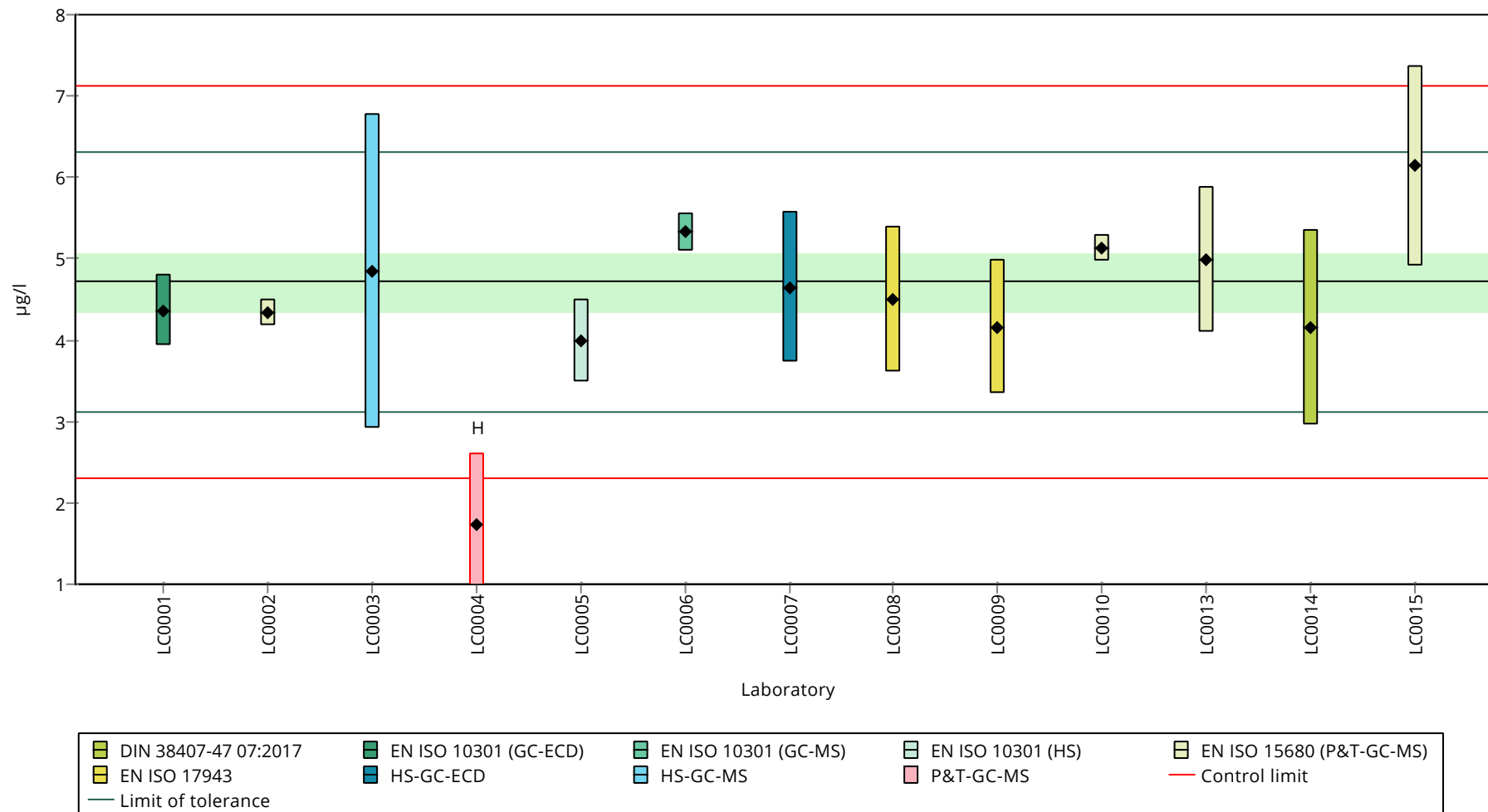
Labcode	Result ± U	Recovery [%]	z-Score	Comments
LC0001	4.36 ± 0.436	92.5	-0.44	
LC0002	4.33 ± 0.162	91.8	-0.48	
LC0003	4.847 ± 1.939	103	0.16	
LC0004	1.74 ± 0.87	36.9	-3.71	H
LC0005	3.99 ± 0.5	84.6	-0.9	
LC0006	5.33 ± 0.23	113	0.77	
LC0007	4.65 ± 0.93	98.6	-0.08	
LC0008	4.5 ± 0.9	95.4	-0.27	
LC0009	4.16 ± 0.83	88.2	-0.69	
LC0010	5.13 ± 0.155	109	0.52	
LC0011	- ± -	-	-	
LC0012	- ± -	-	-	
LC0013	4.99 ± 0.9	106	0.34	
LC0014	4.15 ± 1.2	88	-0.7	
LC0015	6.141 ± 1.228	130	1.78	

Characteristics of parameter

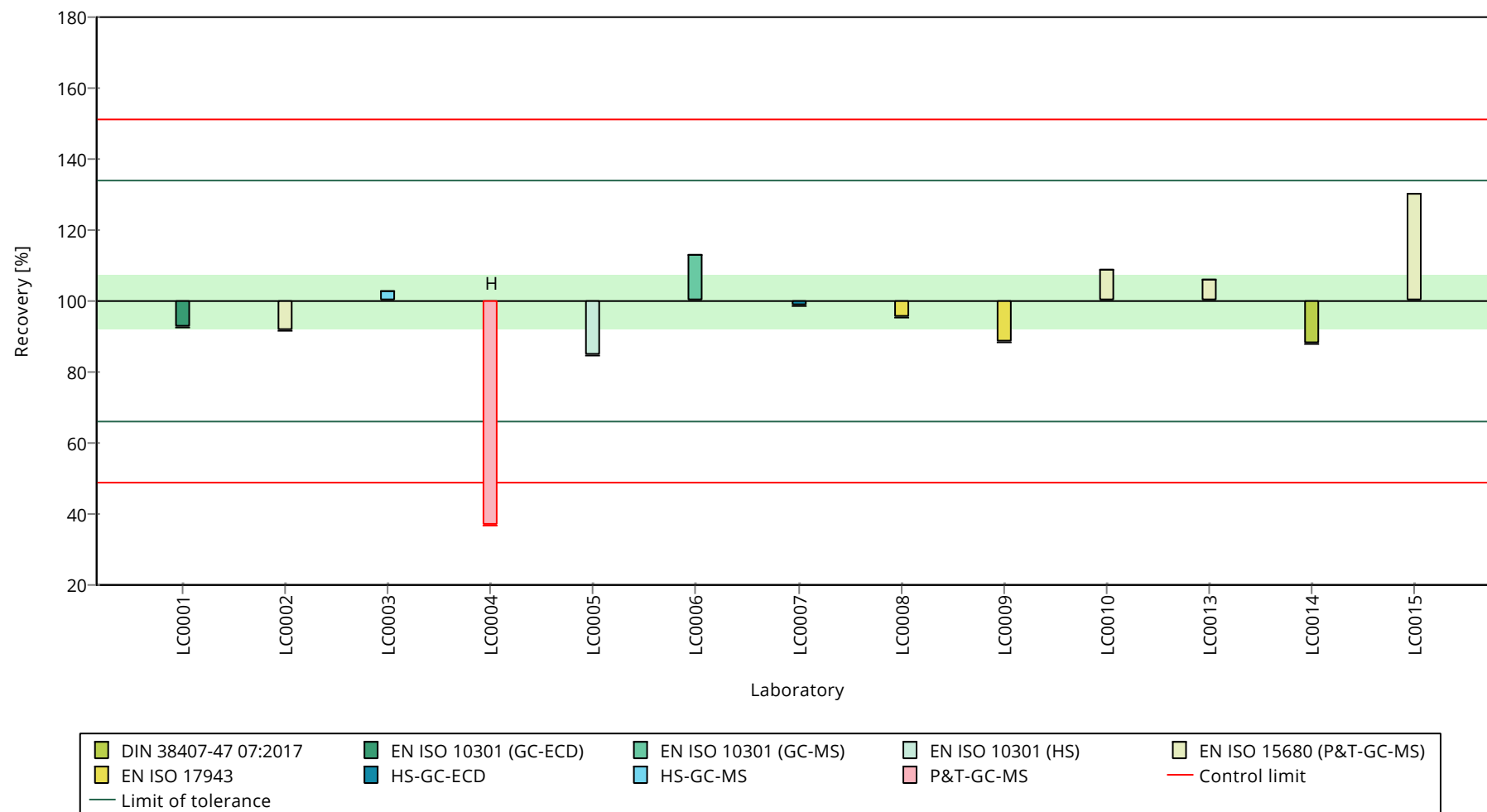
	all results	without outliers	Unit
Mean ± CI (99%)	4.49 ± 0.843	4.71 ± 0.532	µg/l
Minimum	1.74	3.99	µg/l
Maximum	6.14	6.14	µg/l
Standard deviation	1.01	0.615	µg/l
rel. standard deviation	22.6	13	%
n	13	12	-

Graphical presentation of results

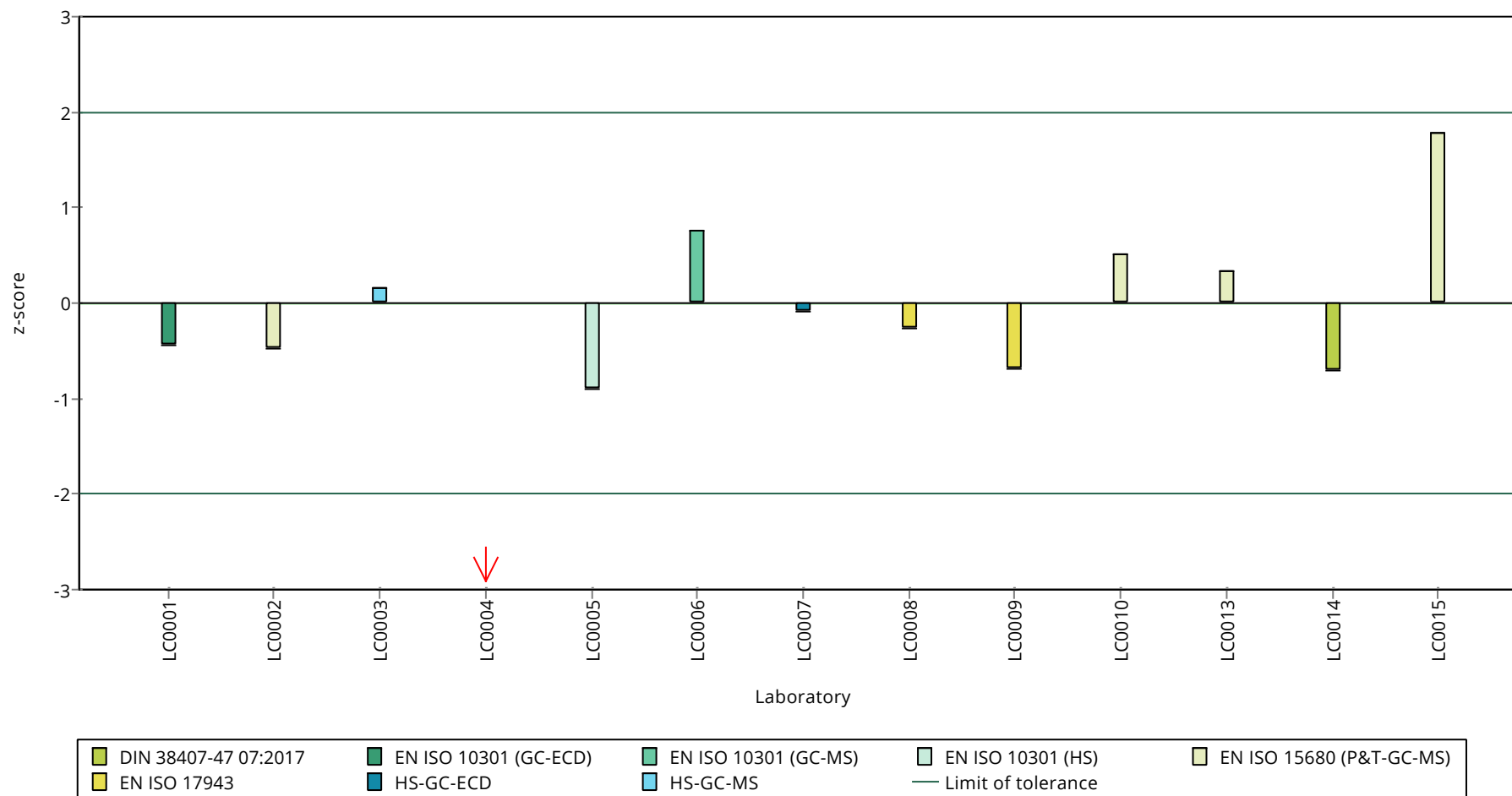
Results



Recovery rate



z-Score



Parameter oriented report Volatile halogenated hydrocarbons (VHH) - C75

Sample: C75A, Parameter: 1,2-Dichloroethane

Parameter oriented report

C75 A

1,2-Dichloroethane

Unit	µg/l
Assigned value ± U (k=2)	1.37 ± 0.0714
Criterion	0.178 (13 %)
Minimum - Maximum	1.1 - 1.56
Control test value ± U (k=2)	1.30 ± 0.287

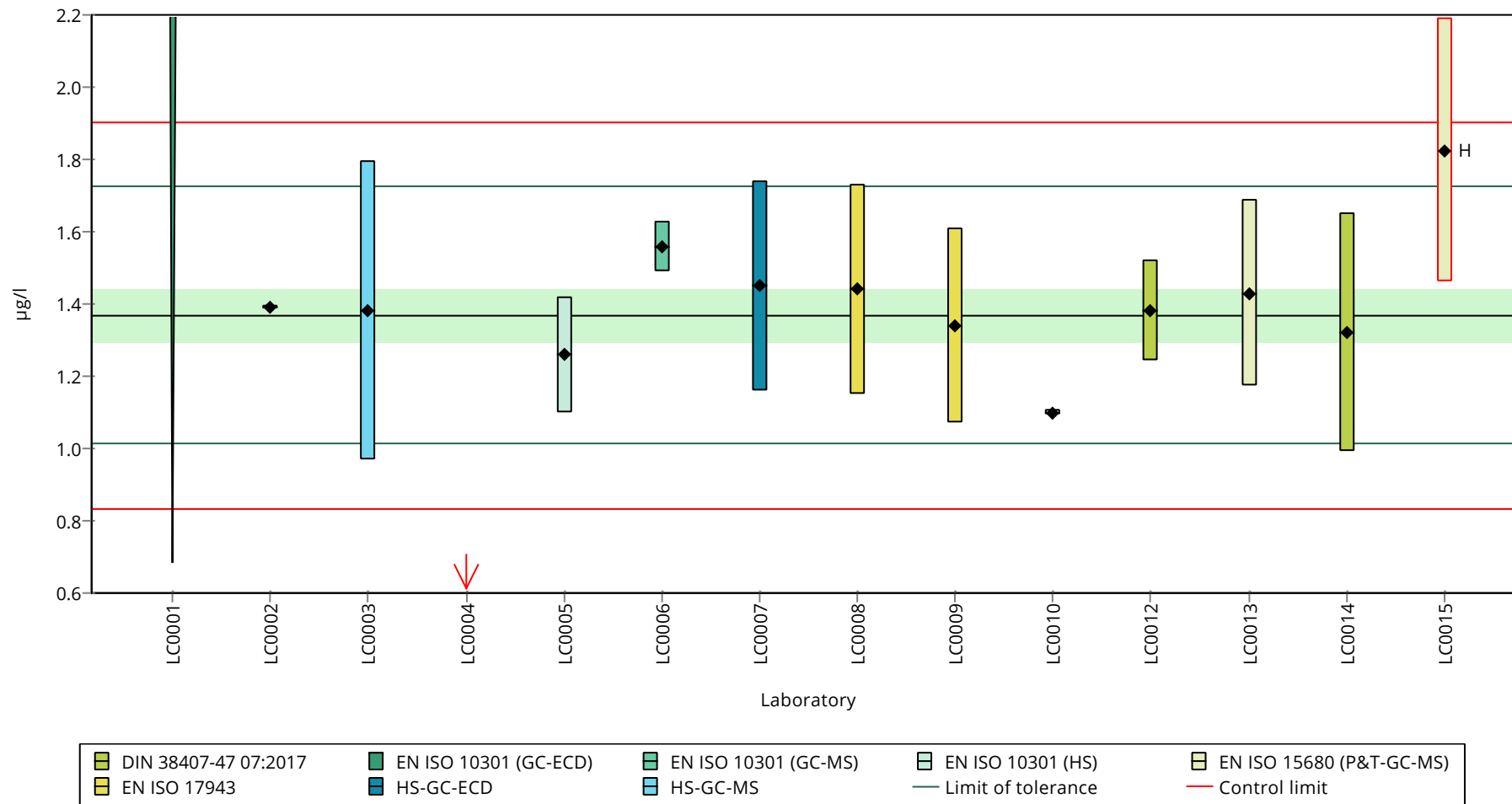
Labcode	Result ± U	Recovery [%]	z-Score	Comments
LC0001	< 3 (LOQ) ± -	-	-	
LC0002	1.39 ± 0.006	102	0.12	
LC0003	1.382 ± 0.415	101	0.08	
LC0004	0.46 ± 0.23	33.6	-5.11	H
LC0005	1.26 ± 0.16	92.1	-0.61	
LC0006	1.56 ± 0.07	114	1.08	
LC0007	1.45 ± 0.29	106	0.46	
LC0008	1.44 ± 0.29	105	0.4	
LC0009	1.34 ± 0.27	97.9	-0.16	
LC0010	1.1 ± 0.006	80.4	-1.51	
LC0011	- ± -	-	-	
LC0012	1.38 ± 0.14	101	0.07	
LC0013	1.43 ± 0.26	105	0.35	
LC0014	1.32 ± 0.33	96.5	-0.27	
LC0015	1.825 ± 0.36502	133	2.57	H

Characteristics of parameter

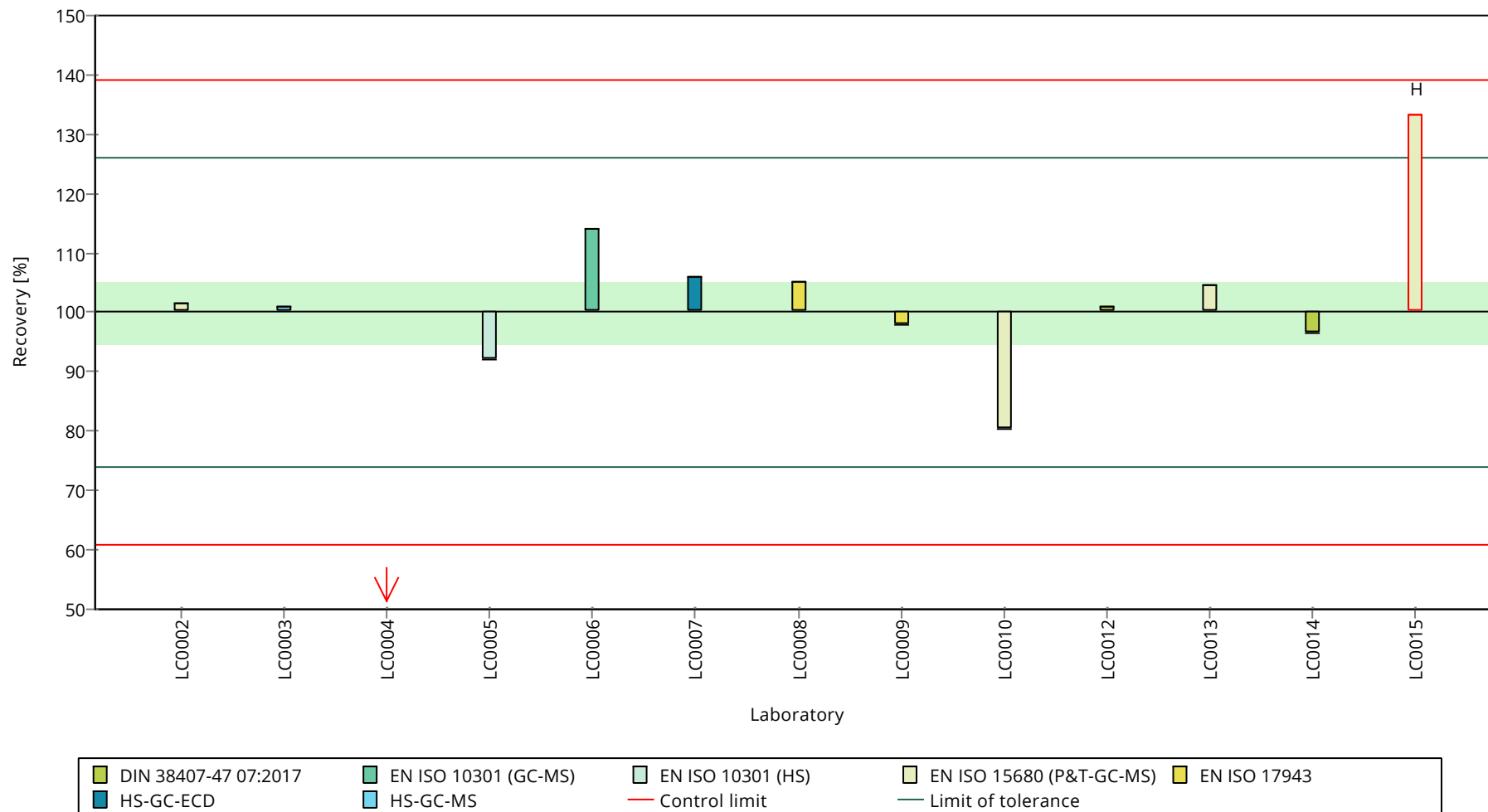
	all results	without outliers	Unit
Mean ± CI (99%)	1.33 ± 0.258	1.37 ± 0.107	µg/l
Minimum	0.46	1.1	µg/l
Maximum	1.83	1.56	µg/l
Standard deviation	0.311	0.118	µg/l
rel. standard deviation	23.3	8.65	%
n	13	11	-

Graphical presentation of results

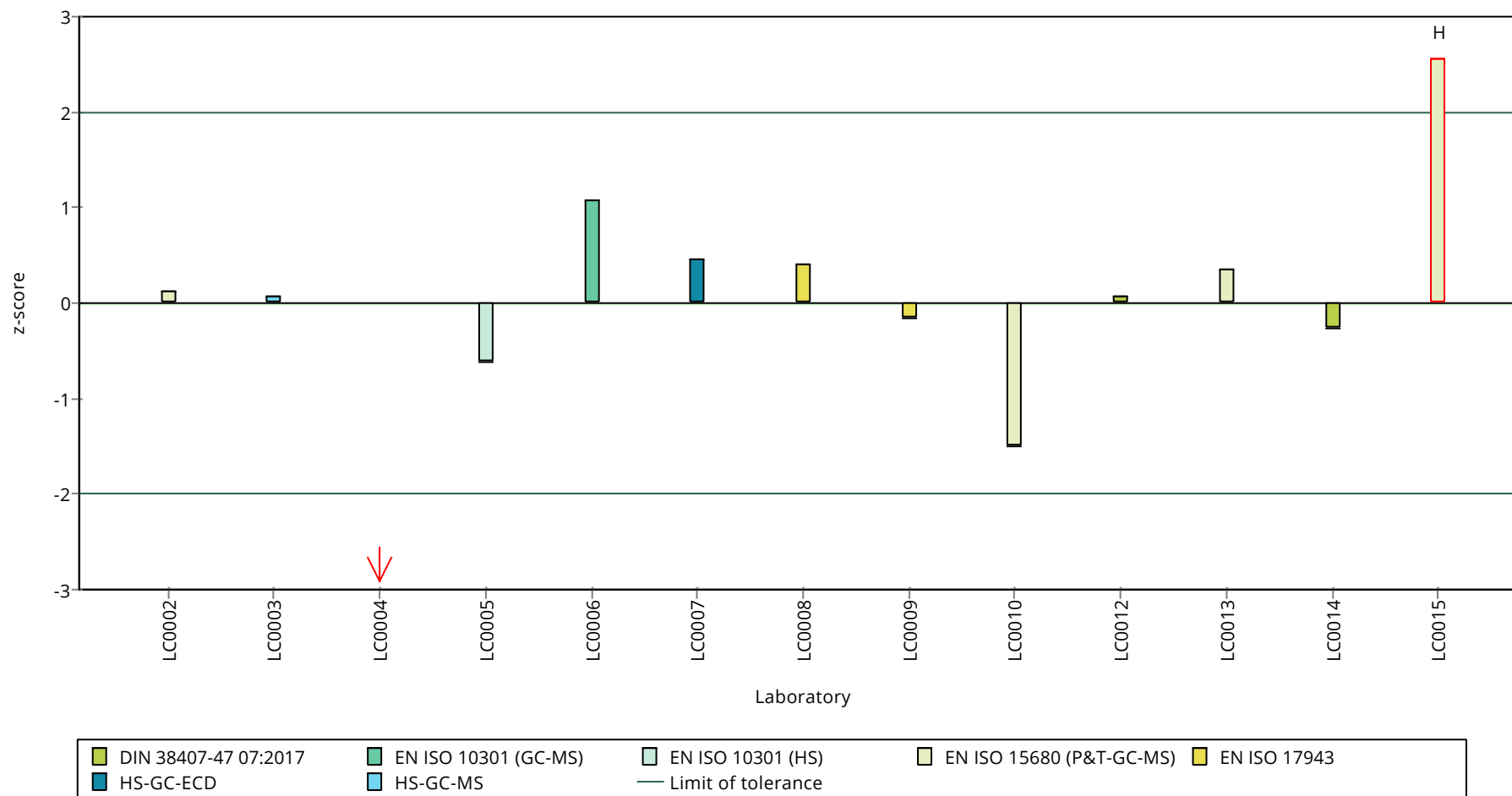
Results



Recovery rate



z-Score



Parameter oriented report Volatile halogenated hydrocarbons (VHH) - C75

Sample: C75B, Parameter: 1,2-Dichloroethane

Parameter oriented report

C75 B

1,2-Dichloroethane

Unit	µg/l
Assigned value ± U (k=2)	5.15 ± 0.281
Criterion	0.669 (13 %)
Minimum - Maximum	4.48 - 6.31
Control test value ± U (k=2)	5.12 ± 1.08

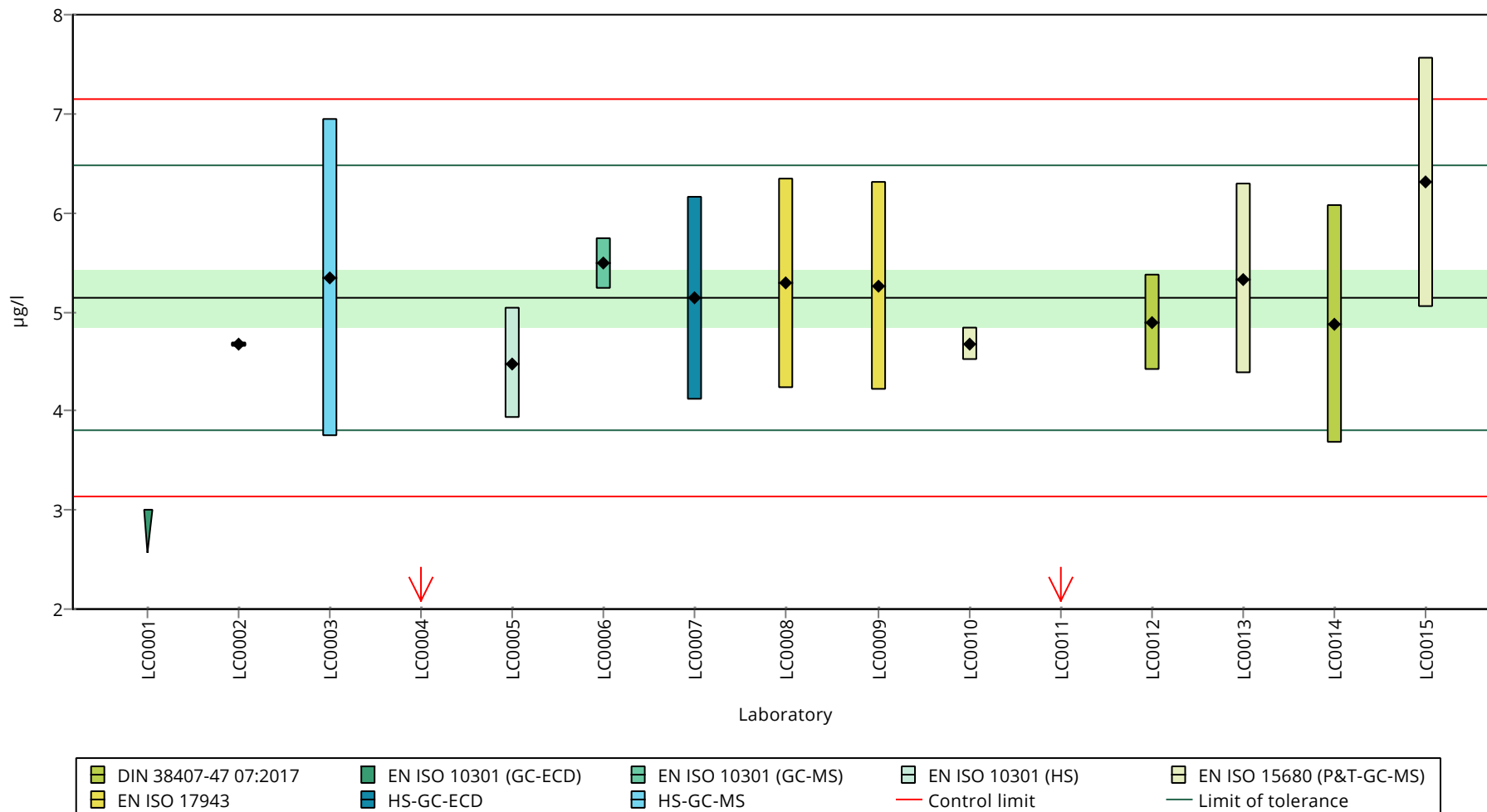
Labcode	Result ± U	Recovery [%]	z-Score	Comments
LC0001	< 3 (LOQ) ± -	-	-	FN
LC0002	4.67 ± 0.029	90.8	-0.71	
LC0003	5.345 ± 1.603	104	0.3	
LC0004	1.5 ± 0.75	29.2	-5.45	H
LC0005	4.48 ± 0.56	87.1	-0.99	
LC0006	5.49 ± 0.26	107	0.52	
LC0007	5.14 ± 1.028	99.9	-0.01	
LC0008	5.29 ± 1.06	103	0.22	
LC0009	5.26 ± 1.05	102	0.17	
LC0010	4.67 ± 0.163	90.8	-0.71	
LC0011	2.02 ± 0.21	39.3	-4.67	H
LC0012	4.89 ± 0.49	95	-0.38	
LC0013	5.33 ± 0.96	104	0.28	
LC0014	4.87 ± 1.2	94.7	-0.41	
LC0015	6.307 ± 1.261	123	1.74	

Characteristics of parameter

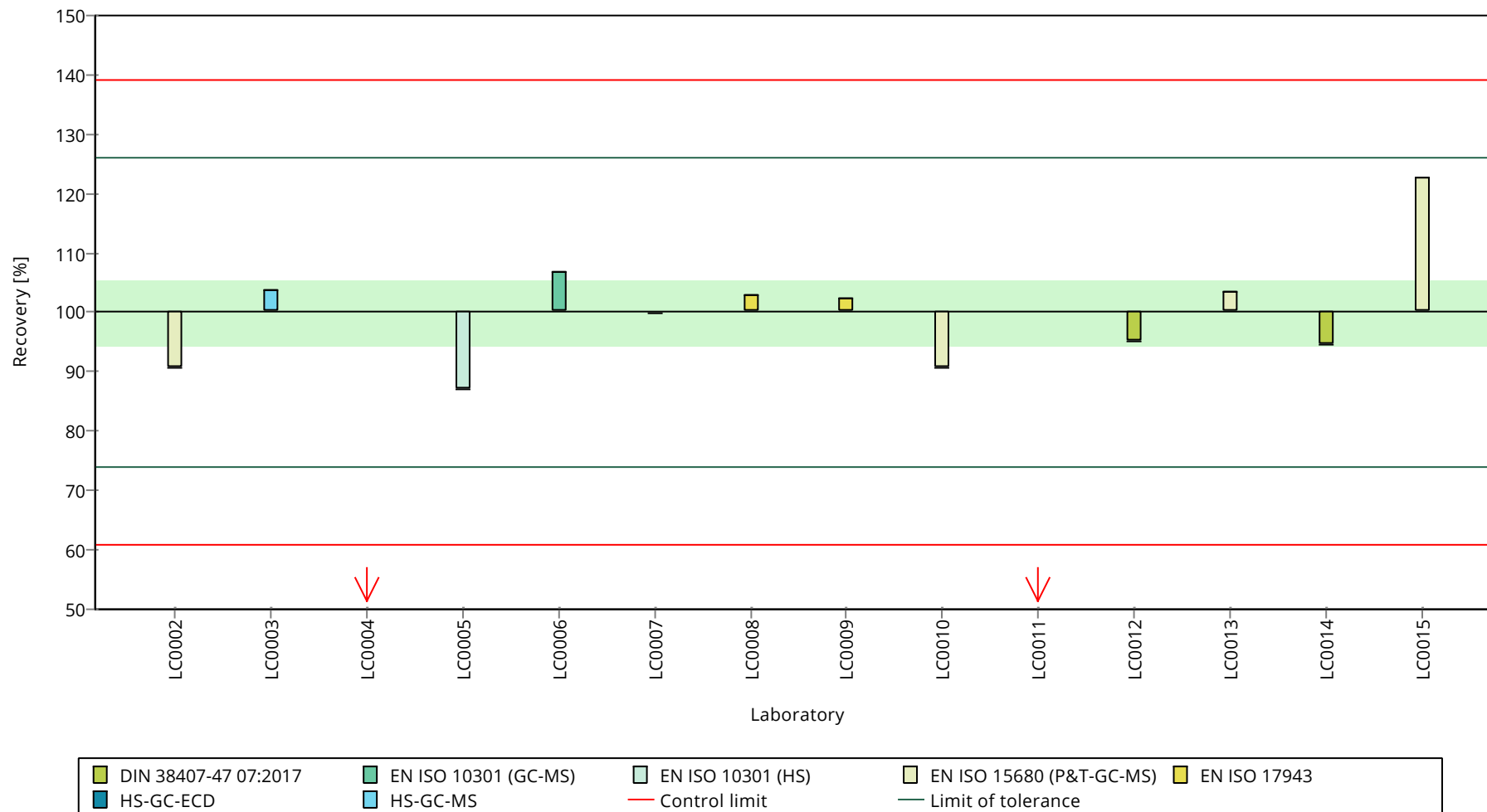
	all results	without outliers	Unit
Mean ± CI (99%)	4.66 ± 1.05	5.15 ± 0.422	µg/l
Minimum	1.5	4.48	µg/l
Maximum	6.31	6.31	µg/l
Standard deviation	1.31	0.487	µg/l
rel. standard deviation	28.2	9.47	%
n	14	12	-

Graphical presentation of results

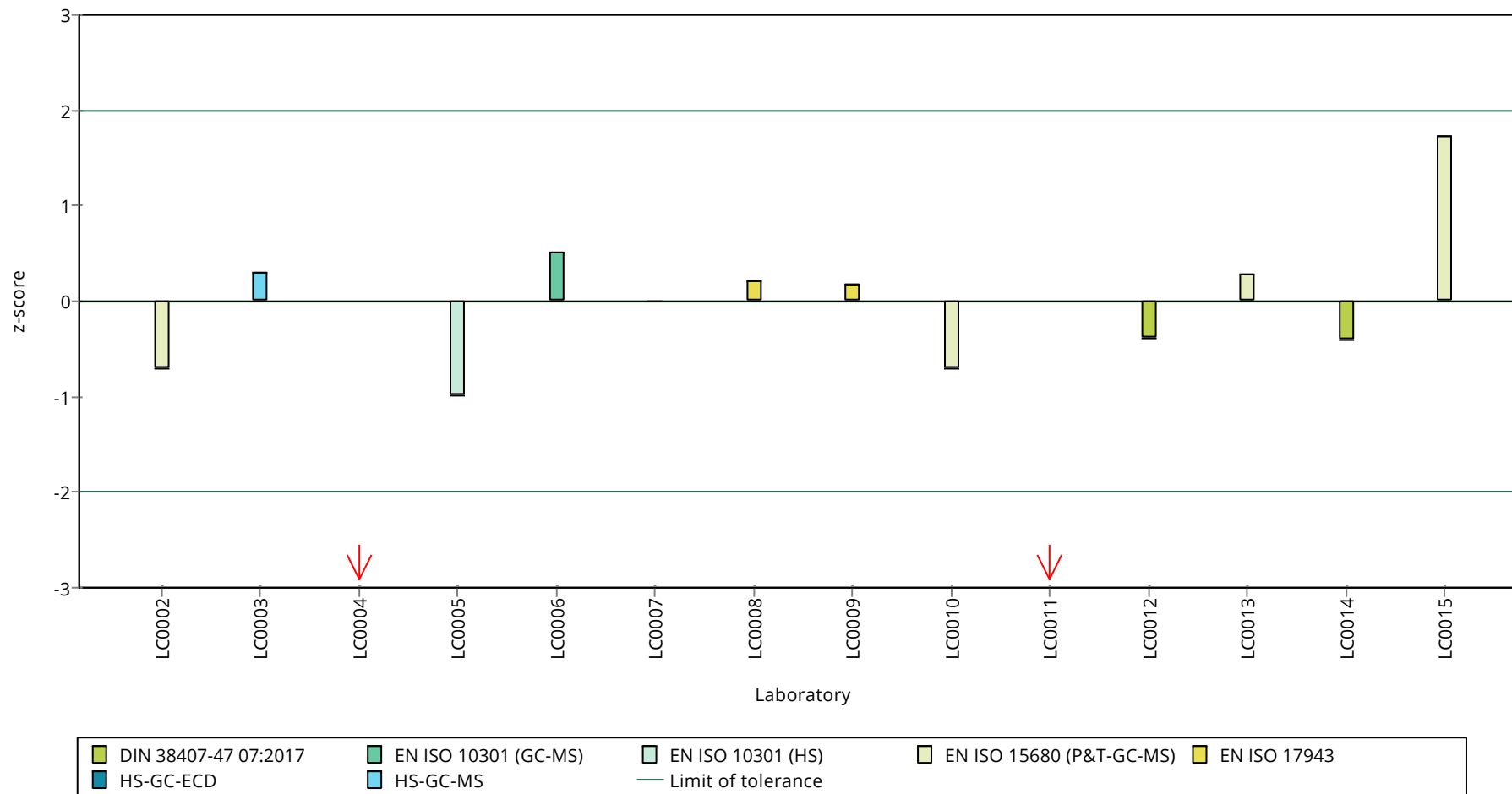
Results



Recovery rate



z-Score



Parameter oriented report Volatile halogenated hydrocarbons (VHH) - C75

Sample: C75A, Parameter: Bromodichloromethane

Parameter oriented report

C75 A

Bromodichloromethane

Unit	µg/l
Assigned value ± U (k=2)	1.12 ± 0.0729
Criterion	0.124 (11 %)
Minimum - Maximum	0.927 - 1.39
Control test value ± U (k=2)	1.03 ± 0.217

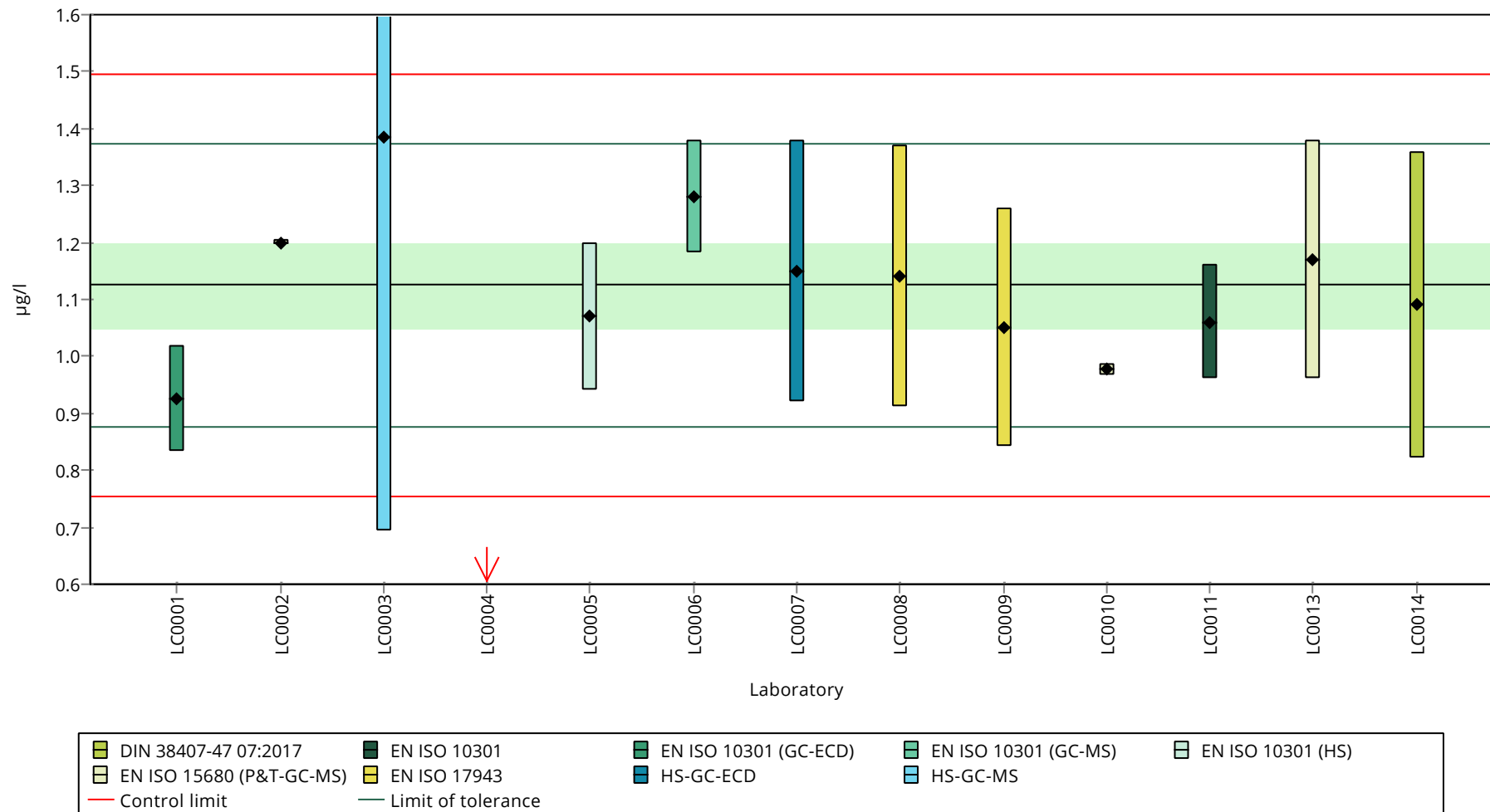
Labcode	Result ± U	Recovery [%]	z-Score	Comments
LC0001	0.9266 ± 0.093	82.4	-1.6	
LC0002	1.2 ± 0.004	107	0.61	
LC0003	1.385 ± 0.693	123	2.1	
LC0004	0.43 ± 0.215	38.2	-5.62	H
LC0005	1.07 ± 0.13	95.1	-0.44	
LC0006	1.28 ± 0.1	114	1.25	
LC0007	1.15 ± 0.23	102	0.2	
LC0008	1.14 ± 0.23	101	0.12	
LC0009	1.05 ± 0.21	93.3	-0.61	
LC0010	0.977 ± 0.01	86.9	-1.2	
LC0011	1.06 ± 0.1	94.2	-0.52	
LC0012	- ± -	-	-	
LC0013	1.17 ± 0.21	104	0.36	
LC0014	1.09 ± 0.27	96.9	-0.28	
LC0015	- ± -	-	-	

Characteristics of parameter

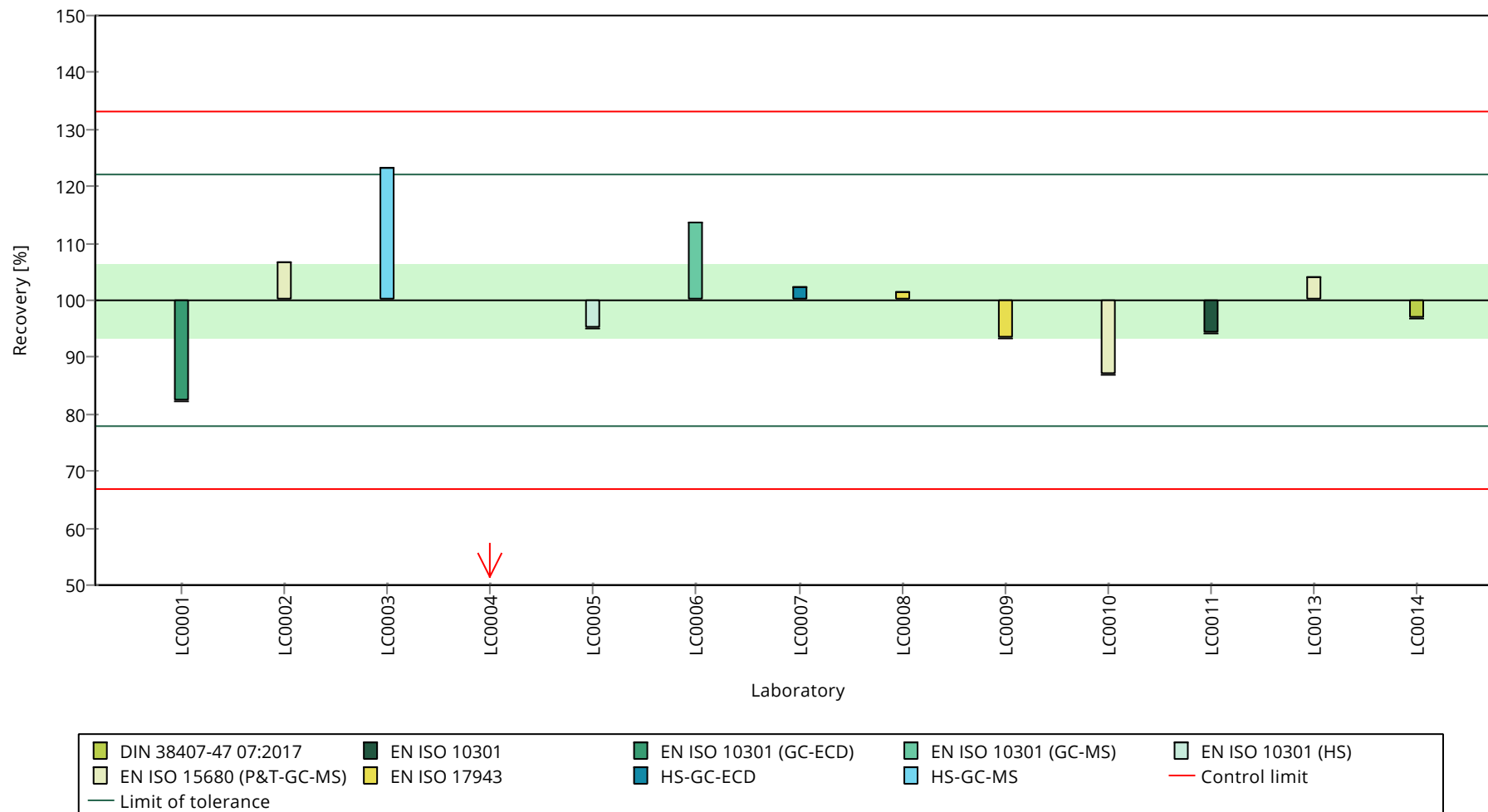
	all results	without outliers	Unit
Mean ± CI (99%)	1.07 ± 0.189	1.12 ± 0.109	µg/l
Minimum	0.43	0.927	µg/l
Maximum	1.39	1.39	µg/l
Standard deviation	0.228	0.126	µg/l
rel. standard deviation	21.2	11.2	%
n	13	12	-

Graphical presentation of results

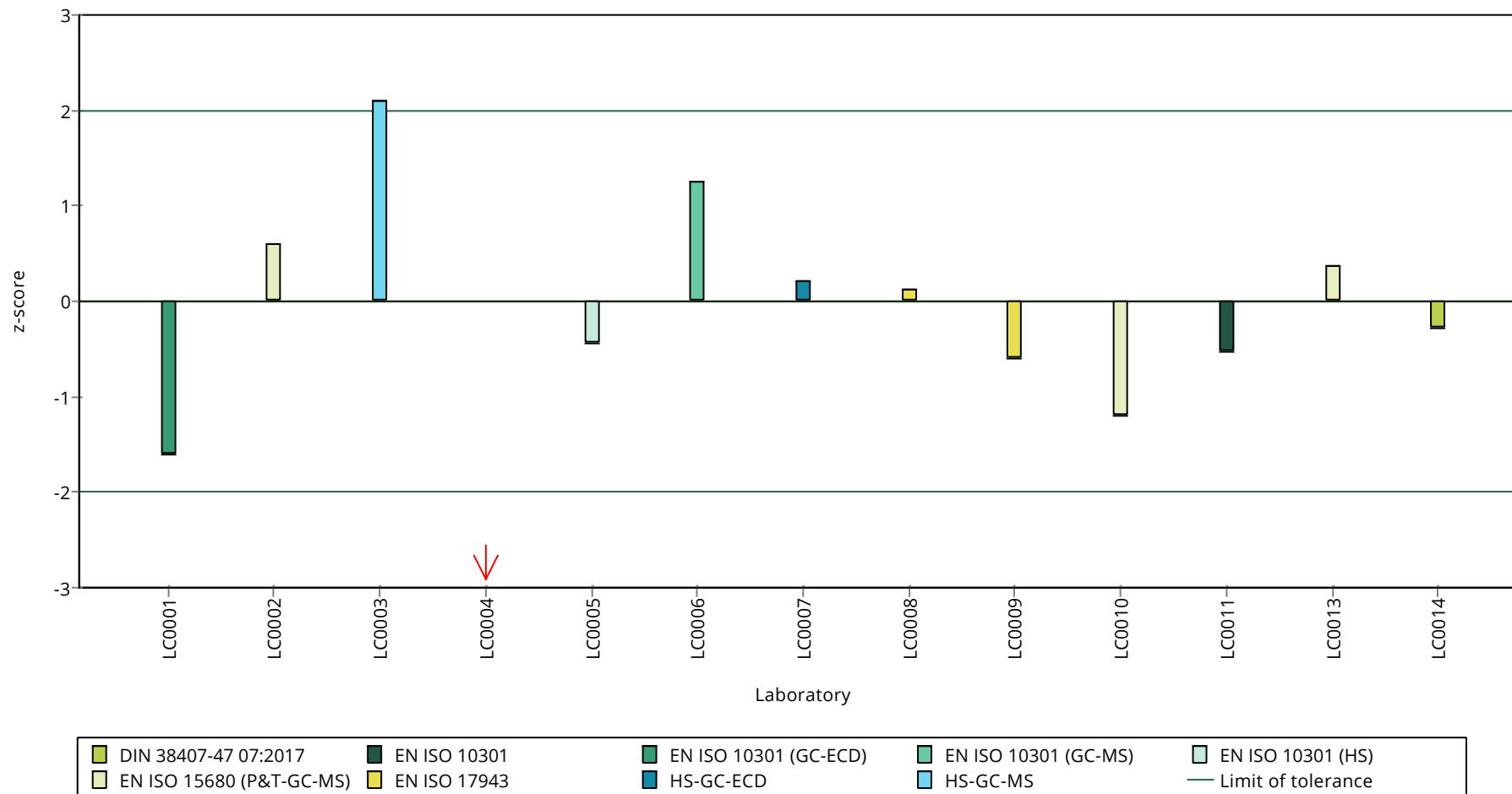
Results



Recovery rate



z-Score



Parameter oriented report Volatile halogenated hydrocarbons (VHH) - C75

Sample: C75B, Parameter: Bromodichloromethane

Parameter oriented report

C75 B

Bromodichloromethane

Unit	µg/l
Assigned value ± U (k=2)	4.26 ± 0.189
Criterion	0.426 (10 %)
Minimum - Maximum	3.64 - 4.94
Control test value ± U (k=2)	4.18 ± 0.877

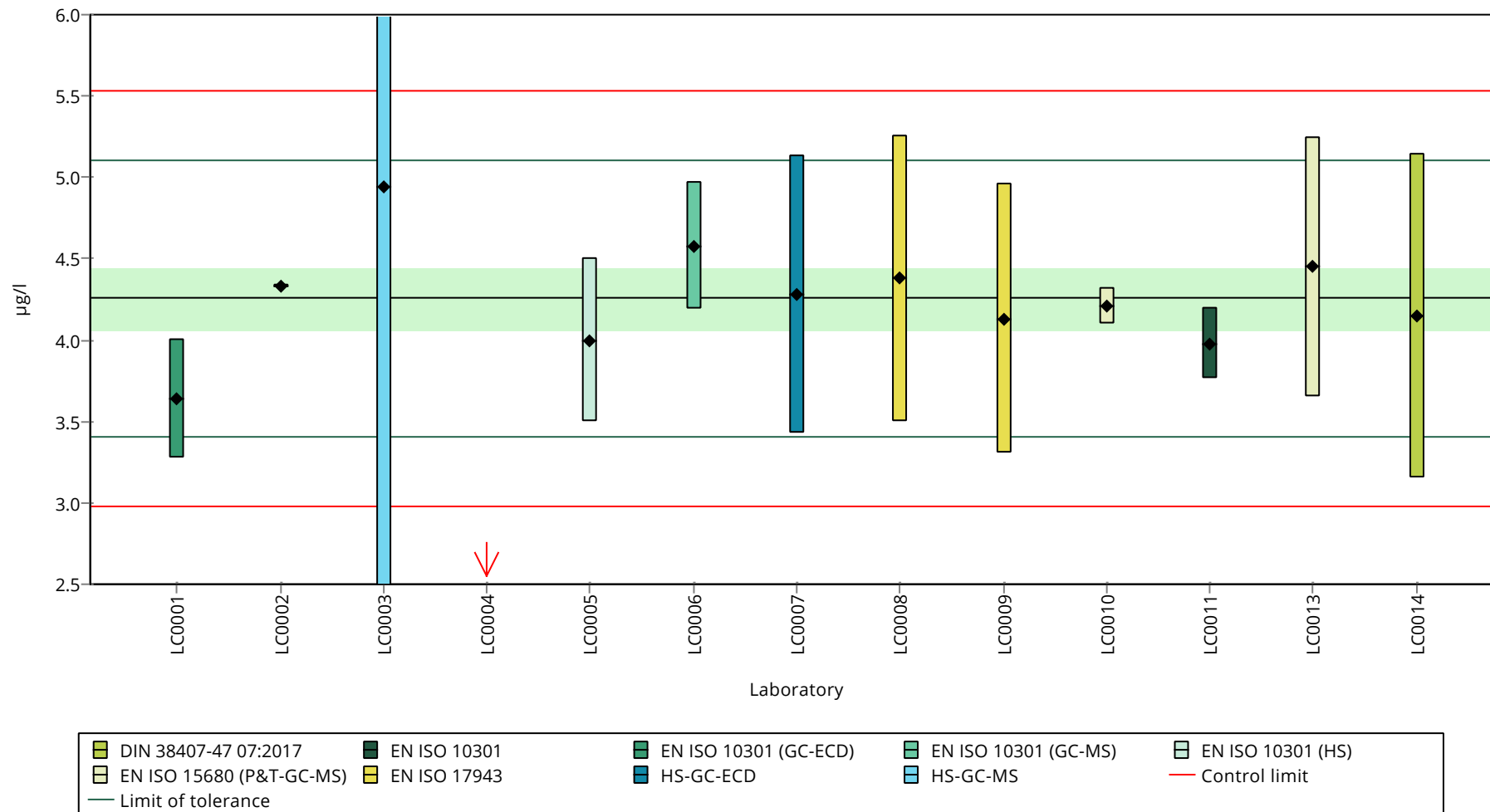
Labcode	Result ± U	Recovery [%]	z-Score	Comments
LC0001	3.641 ± 0.364	85.6	-1.44	
LC0002	4.33 ± 0.012	102	0.17	
LC0003	4.937 ± 2.469	116	1.6	
LC0004	1.42 ± 0.71	33.4	-6.66	H
LC0005	4 ± 0.5	94	-0.6	
LC0006	4.58 ± 0.39	108	0.76	
LC0007	4.28 ± 0.856	101	0.06	
LC0008	4.38 ± 0.88	103	0.29	
LC0009	4.13 ± 0.83	97	-0.3	
LC0010	4.21 ± 0.116	98.9	-0.11	
LC0011	3.98 ± 0.22	93.5	-0.65	
LC0012	- ± -	-	-	
LC0013	4.45 ± 0.8	105	0.46	
LC0014	4.15 ± 1	97.5	-0.25	
LC0015	- ± -	-	-	

Characteristics of parameter

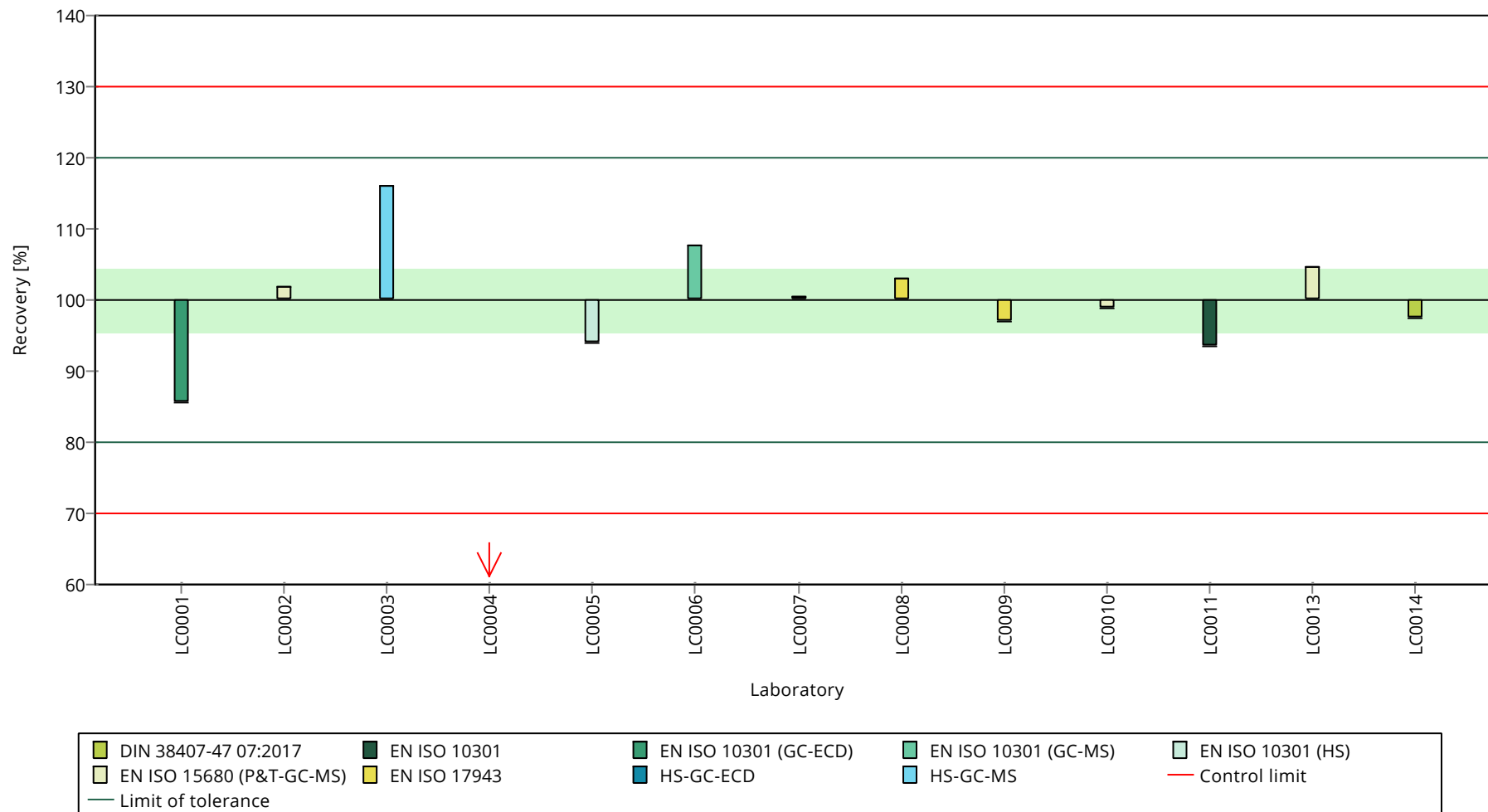
	all results	without outliers	Unit
Mean ± CI (99%)	4.04 ± 0.704	4.26 ± 0.283	µg/l
Minimum	1.42	3.64	µg/l
Maximum	4.94	4.94	µg/l
Standard deviation	0.847	0.327	µg/l
rel. standard deviation	21	7.69	%
n	13	12	-

Graphical presentation of results

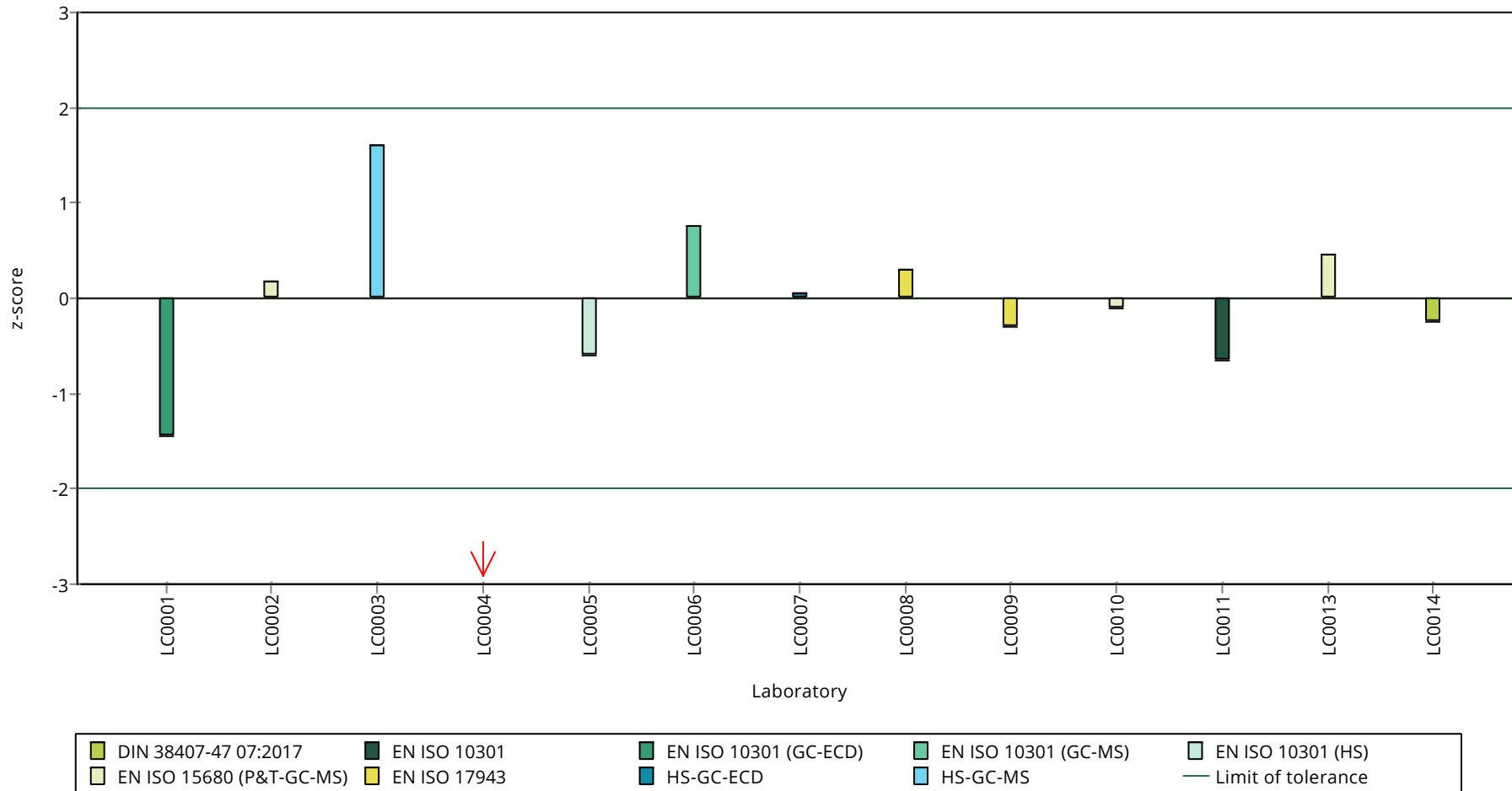
Results



Recovery rate



z-Score



Parameter oriented report Volatile halogenated hydrocarbons (VHH) - C75

Sample: C75A, Parameter: cis-1,2-Dichloroethene

Parameter oriented report

C75 A

cis-1,2-Dichloroethene

Unit	µg/l
Assigned value ± U (k=2)	1.18 ± 0.101
Criterion	0.177 (15 %)
Minimum - Maximum	0.893 - 1.58
Control test value ± U (k=2)	1.13 ± 0.248

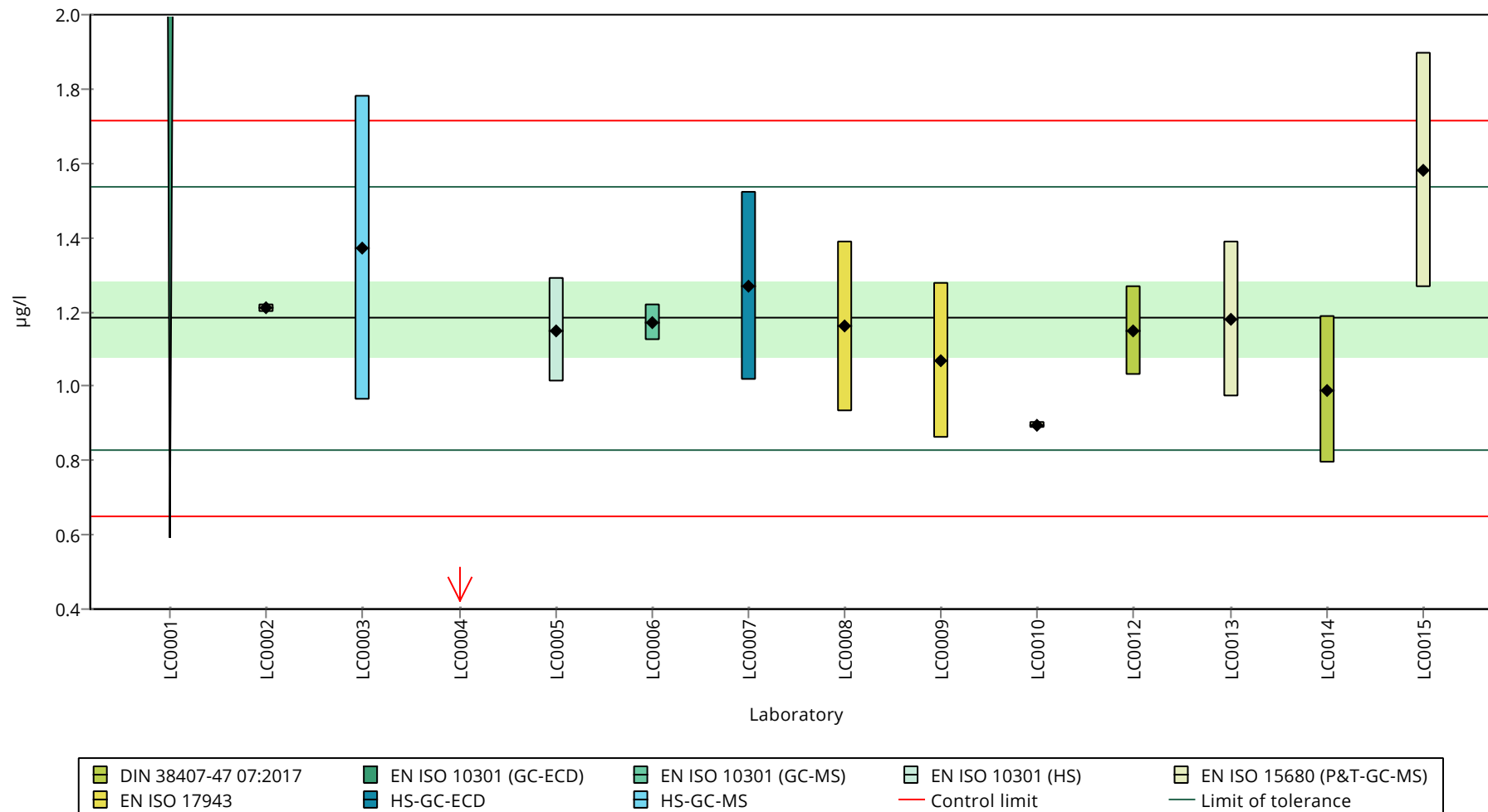
Labcode	Result ± U	Recovery [%]	z-Score	Comments
LC0001	< 3 (LOQ) ± -	-	-	
LC0002	1.21 ± 0.011	102	0.15	
LC0003	1.371 ± 0.411	116	1.06	
LC0004	0.3 ± 0.15	25.4	-4.98	H
LC0005	1.15 ± 0.14	97.2	-0.19	
LC0006	1.17 ± 0.05	98.9	-0.07	
LC0007	1.27 ± 0.254	107	0.49	
LC0008	1.16 ± 0.23	98.1	-0.13	
LC0009	1.07 ± 0.21	90.5	-0.64	
LC0010	0.893 ± 0.009	75.5	-1.63	
LC0011	- ± -	-	-	
LC0012	1.15 ± 0.12	97.2	-0.19	
LC0013	1.18 ± 0.21	99.8	-0.02	
LC0014	0.99 ± 0.2	83.7	-1.09	
LC0015	1.581 ± 0.31621	134	2.24	

Characteristics of parameter

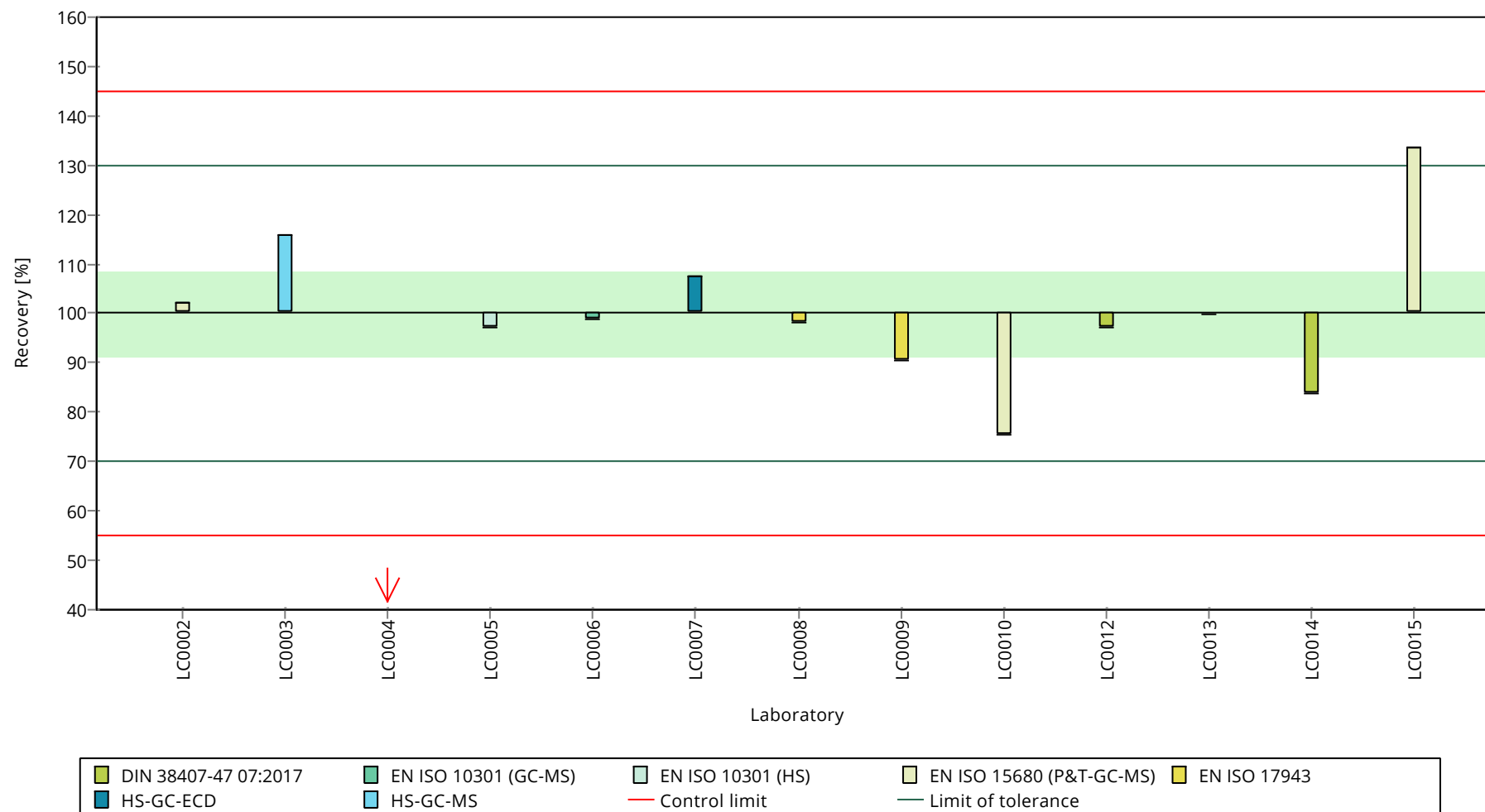
	all results	without outliers	Unit
Mean ± CI (99%)	1.11 ± 0.247	1.18 ± 0.152	µg/l
Minimum	0.3	0.893	µg/l
Maximum	1.58	1.58	µg/l
Standard deviation	0.297	0.176	µg/l
rel. standard deviation	26.6	14.8	%
n	13	12	-

Graphical presentation of results

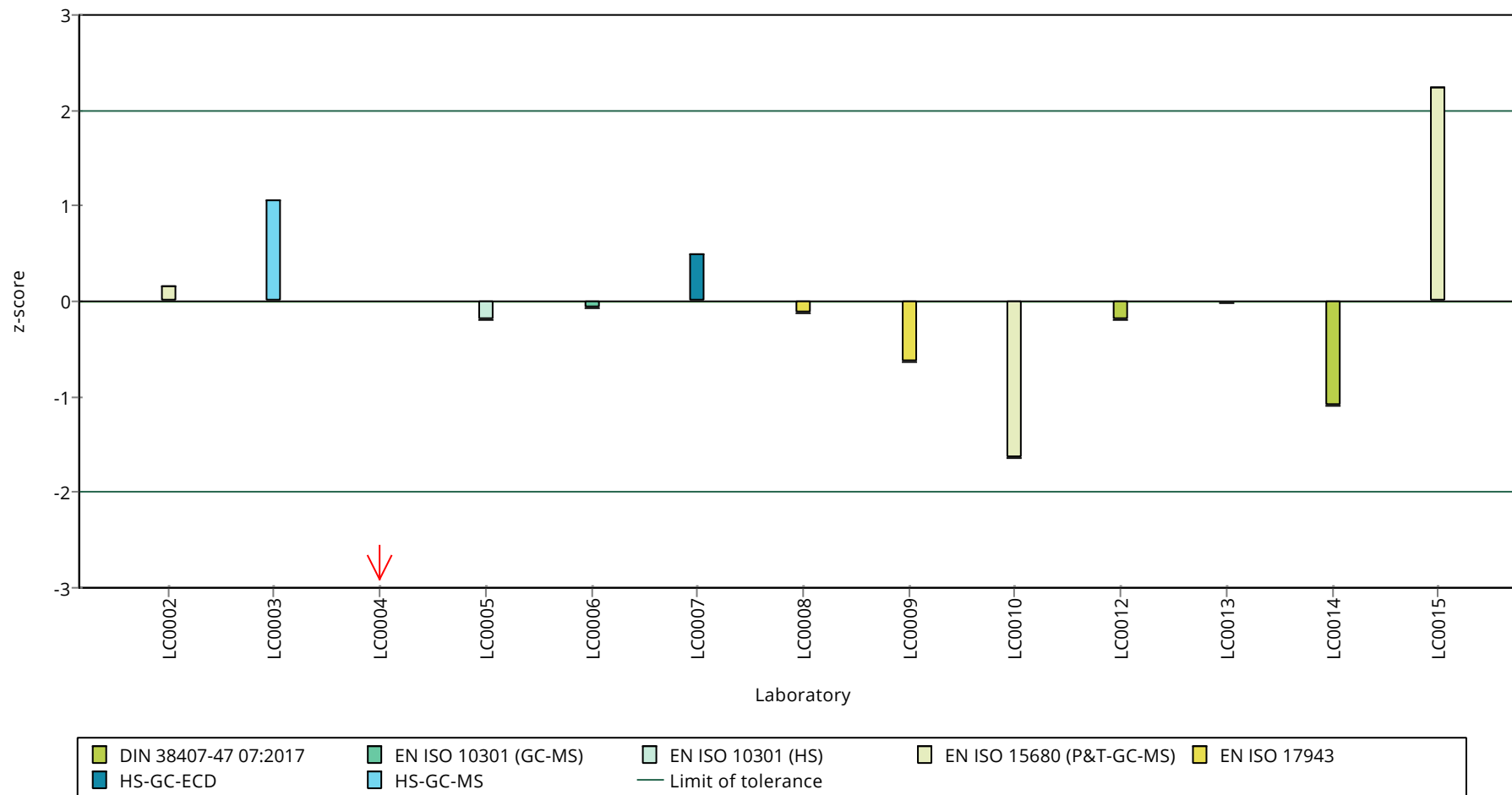
Results



Recovery rate



z-Score



Parameter oriented report Volatile halogenated hydrocarbons (VHH) - C75

Sample: C75B, Parameter: cis-1,2-Dichloroethene

Parameter oriented report

C75 B

cis-1,2-Dichloroethene

Unit	µg/l
Assigned value ± U (k=2)	4.44 ± 0.272
Criterion	0.621 (14 %)
Minimum - Maximum	3.9 - 5.57
Control test value ± U (k=2)	4.62 ± 1.02

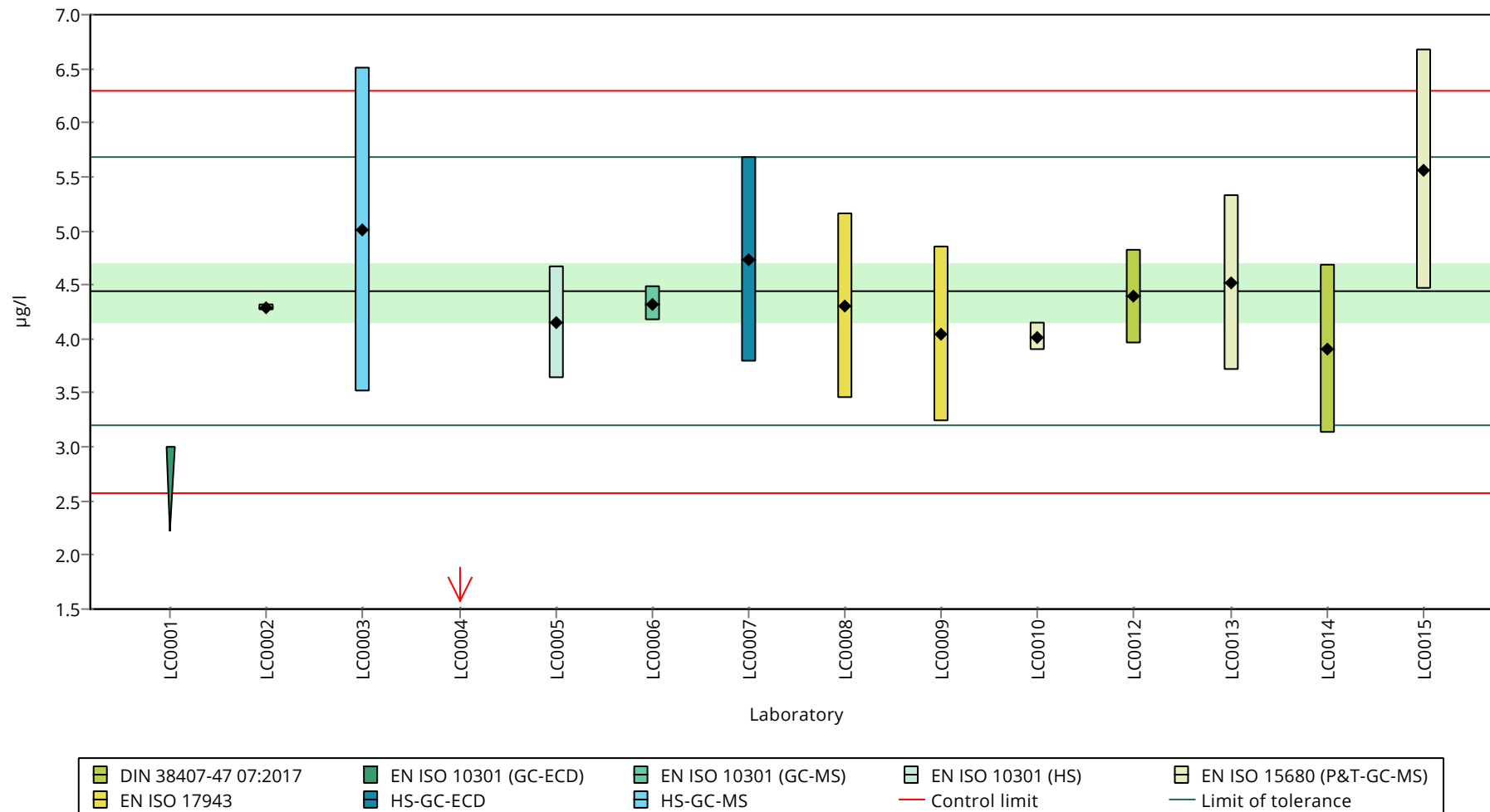
Labcode	Result ± U	Recovery [%]	z-Score	Comments
LC0001	< 3 (LOQ) ± -	-	-	FN
LC0002	4.29 ± 0.027	96.7	-0.24	
LC0003	5.007 ± 1.502	113	0.92	
LC0004	1.02 ± 0.51	23	-5.5	H
LC0005	4.15 ± 0.52	93.6	-0.46	
LC0006	4.32 ± 0.16	97.4	-0.19	
LC0007	4.73 ± 0.946	107	0.47	
LC0008	4.3 ± 0.86	96.9	-0.22	
LC0009	4.04 ± 0.81	91.1	-0.64	
LC0010	4.02 ± 0.129	90.6	-0.67	
LC0011	- ± -	-	-	
LC0012	4.39 ± 0.44	99	-0.07	
LC0013	4.52 ± 0.81	102	0.14	
LC0014	3.9 ± 0.78	87.9	-0.86	
LC0015	5.565 ± 1.113	125	1.82	

Characteristics of parameter

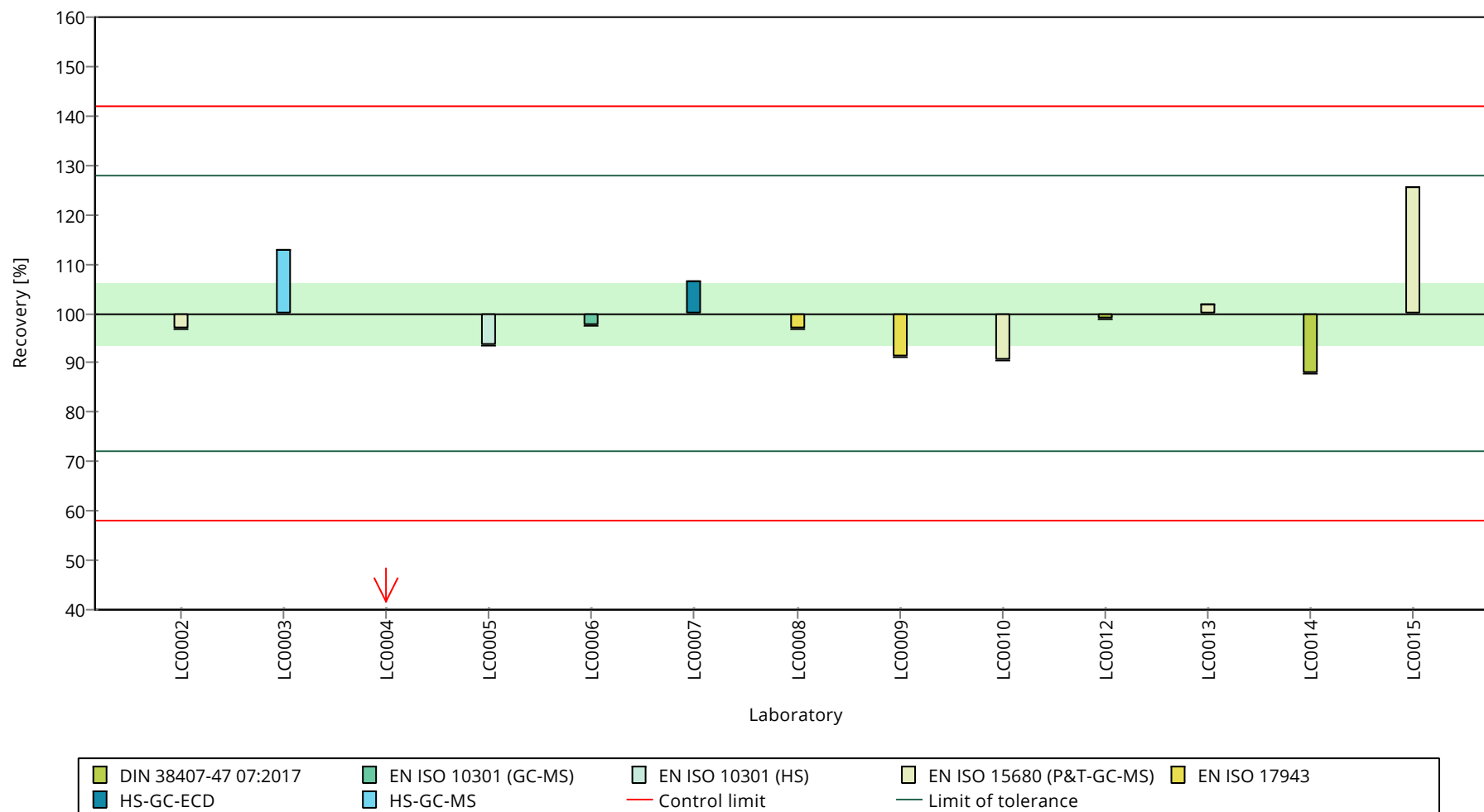
	all results	without outliers	Unit
Mean ± CI (99%)	4.17 ± 0.873	4.44 ± 0.409	µg/l
Minimum	1.02	3.9	µg/l
Maximum	5.57	5.57	µg/l
Standard deviation	1.05	0.472	µg/l
rel. standard deviation	25.2	10.6	%
n	13	12	-

Graphical presentation of results

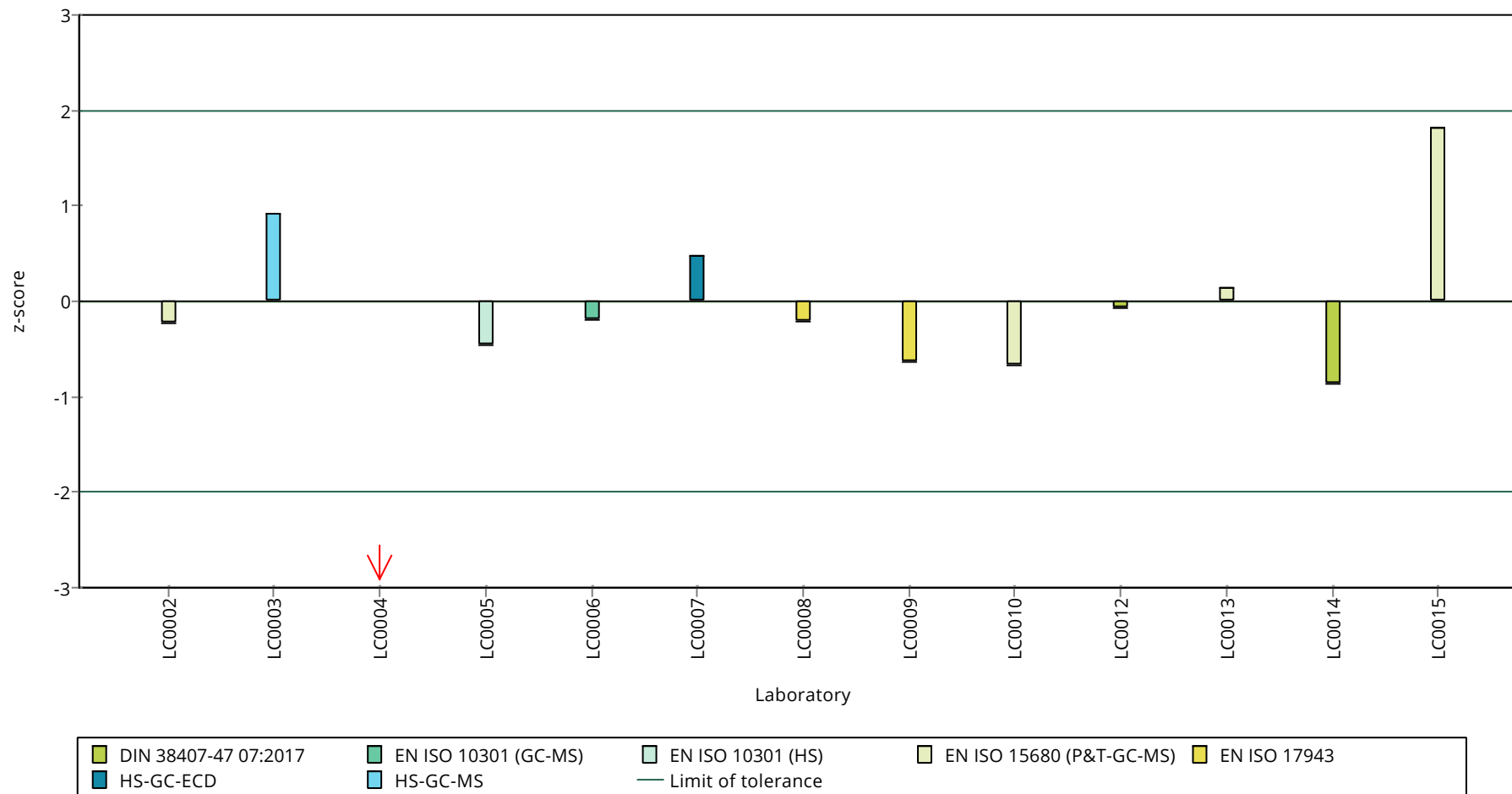
Results



Recovery rate



z-Score



Parameter oriented report Volatile halogenated hydrocarbons (VHH) - C75

Sample: C75A, Parameter: Dibromochloromethane

Parameter oriented report

C75 A

Dibromochloromethane

Unit	µg/l
Assigned value ± U (k=2)	1.63 ± 0.129
Criterion	0.229 (14 %)
Minimum - Maximum	1.33 - 2.19
Control test value ± U (k=2)	1.55 ± 0.326

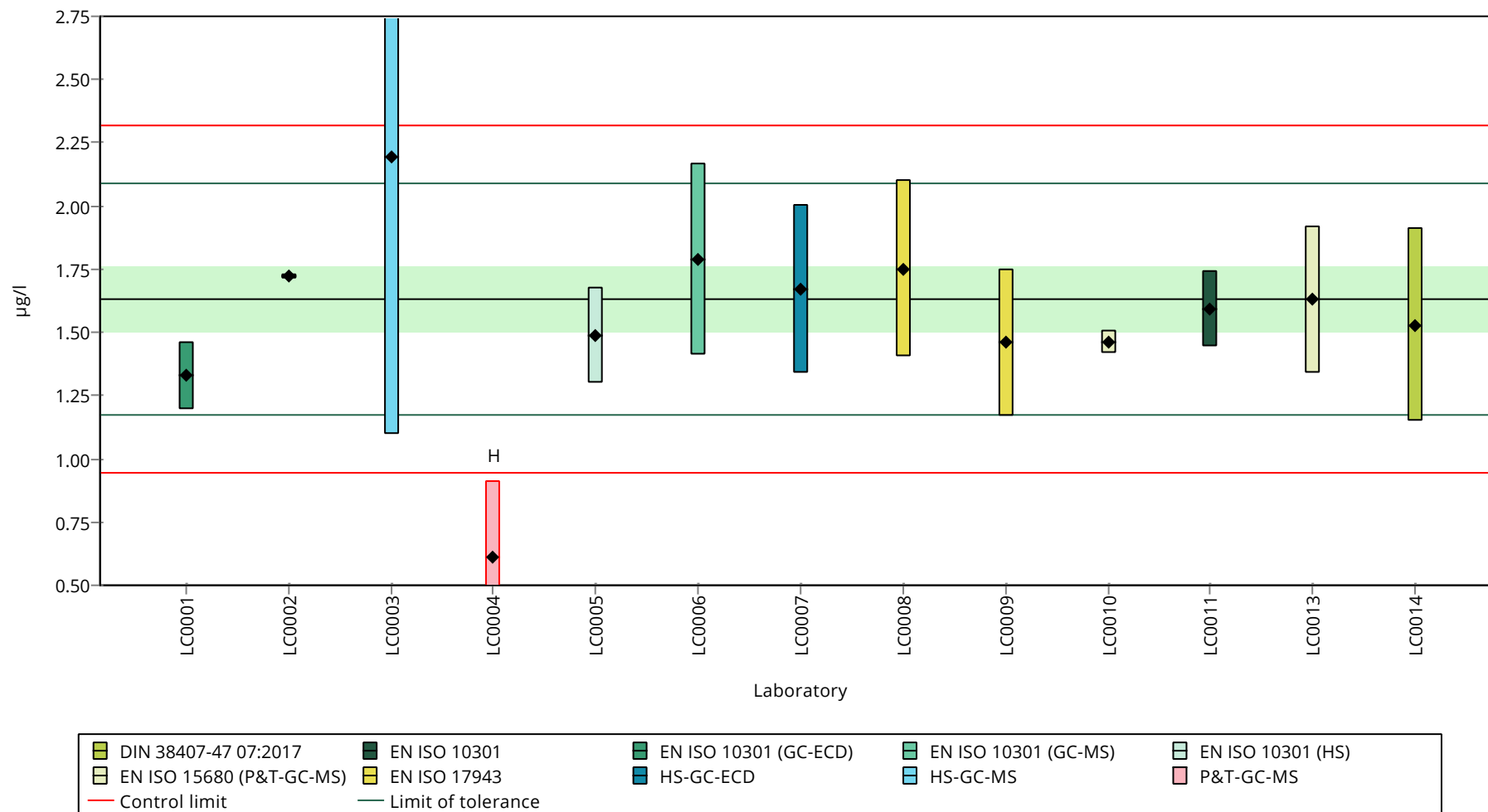
Labcode	Result ± U	Recovery [%]	z-Score	Comments
LC0001	1.328 ± 0.133	81.3	-1.34	
LC0002	1.72 ± 0.007	105	0.38	
LC0003	2.192 ± 1.096	134	2.44	
LC0004	0.61 ± 0.305	37.3	-4.48	H
LC0005	1.49 ± 0.19	91.2	-0.63	
LC0006	1.79 ± 0.38	110	0.68	
LC0007	1.67 ± 0.334	102	0.16	
LC0008	1.75 ± 0.35	107	0.51	
LC0009	1.46 ± 0.29	89.3	-0.76	
LC0010	1.46 ± 0.046	89.3	-0.76	
LC0011	1.59 ± 0.15	97.3	-0.19	
LC0012	- ± -	-	-	
LC0013	1.63 ± 0.29	99.7	-0.02	
LC0014	1.53 ± 0.38	93.6	-0.46	
LC0015	- ± -	-	-	

Characteristics of parameter

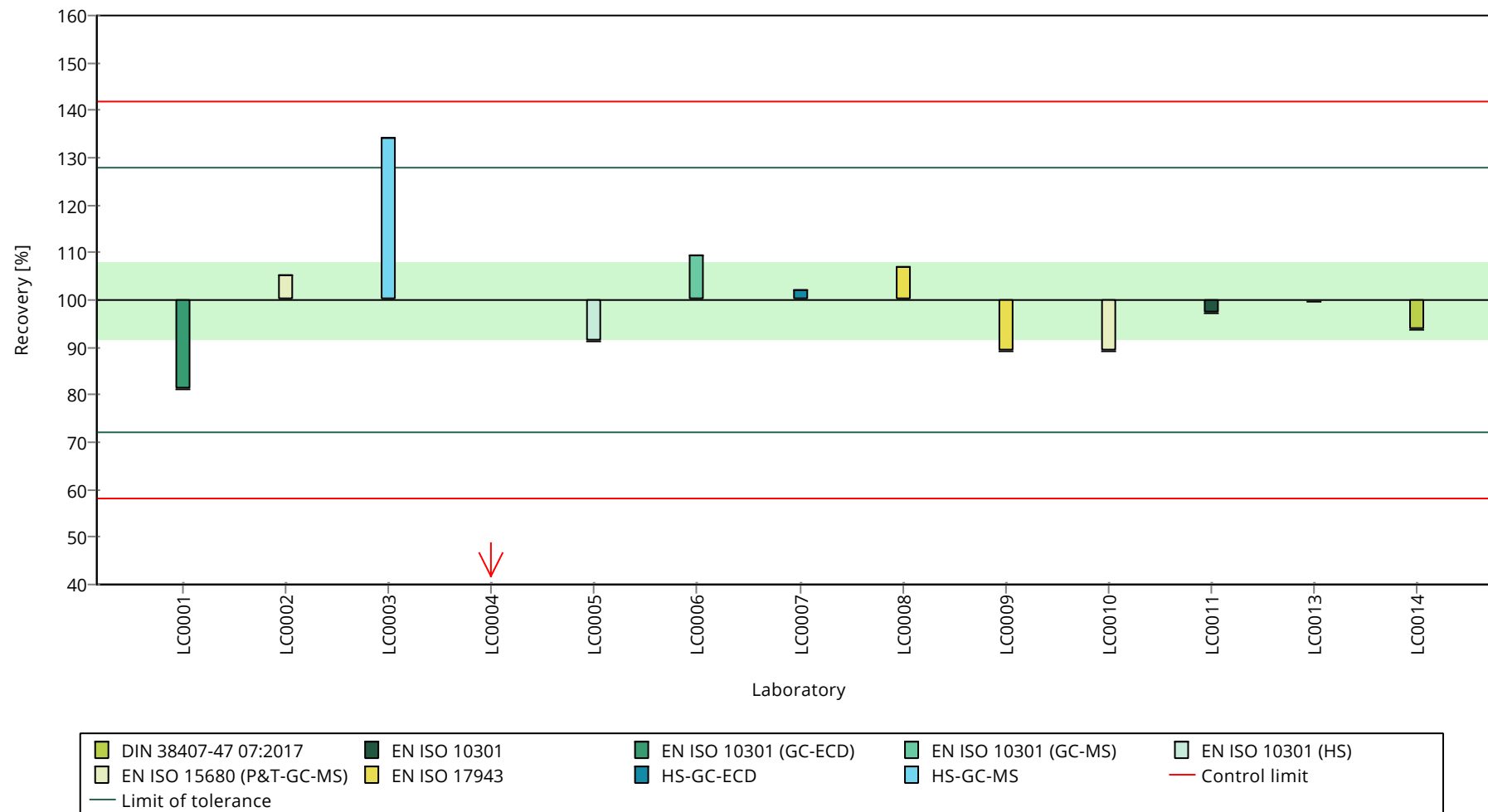
	all results	without outliers	Unit
Mean ± CI (99%)	1.56 ± 0.296	1.63 ± 0.193	µg/l
Minimum	0.61	1.33	µg/l
Maximum	2.19	2.19	µg/l
Standard deviation	0.355	0.223	µg/l
rel. standard deviation	22.8	13.6	%
n	13	12	-

Graphical presentation of results

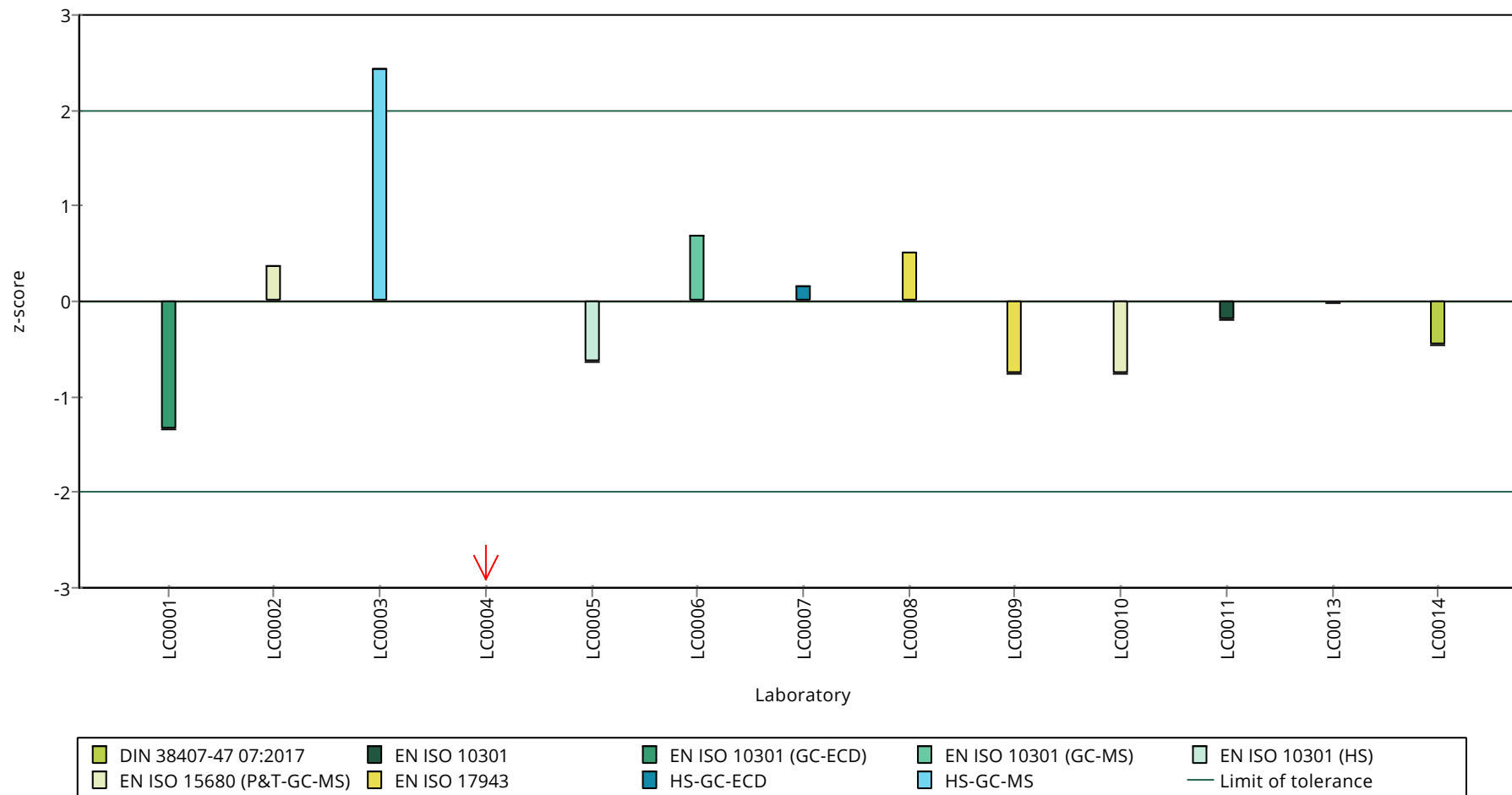
Results



Recovery rate



z-Score



Parameter oriented report Volatile halogenated hydrocarbons (VHH) - C75

Sample: C75B, Parameter: Dibromochloromethane

Parameter oriented report

C75 B

Dibromochloromethane

Unit	µg/l
Assigned value ± U (k=2)	5.88 ± 0.283
Criterion	0.706 (12 %)
Minimum - Maximum	4.99 - 6.69
Control test value ± U (k=2)	5.82 ± 1.22

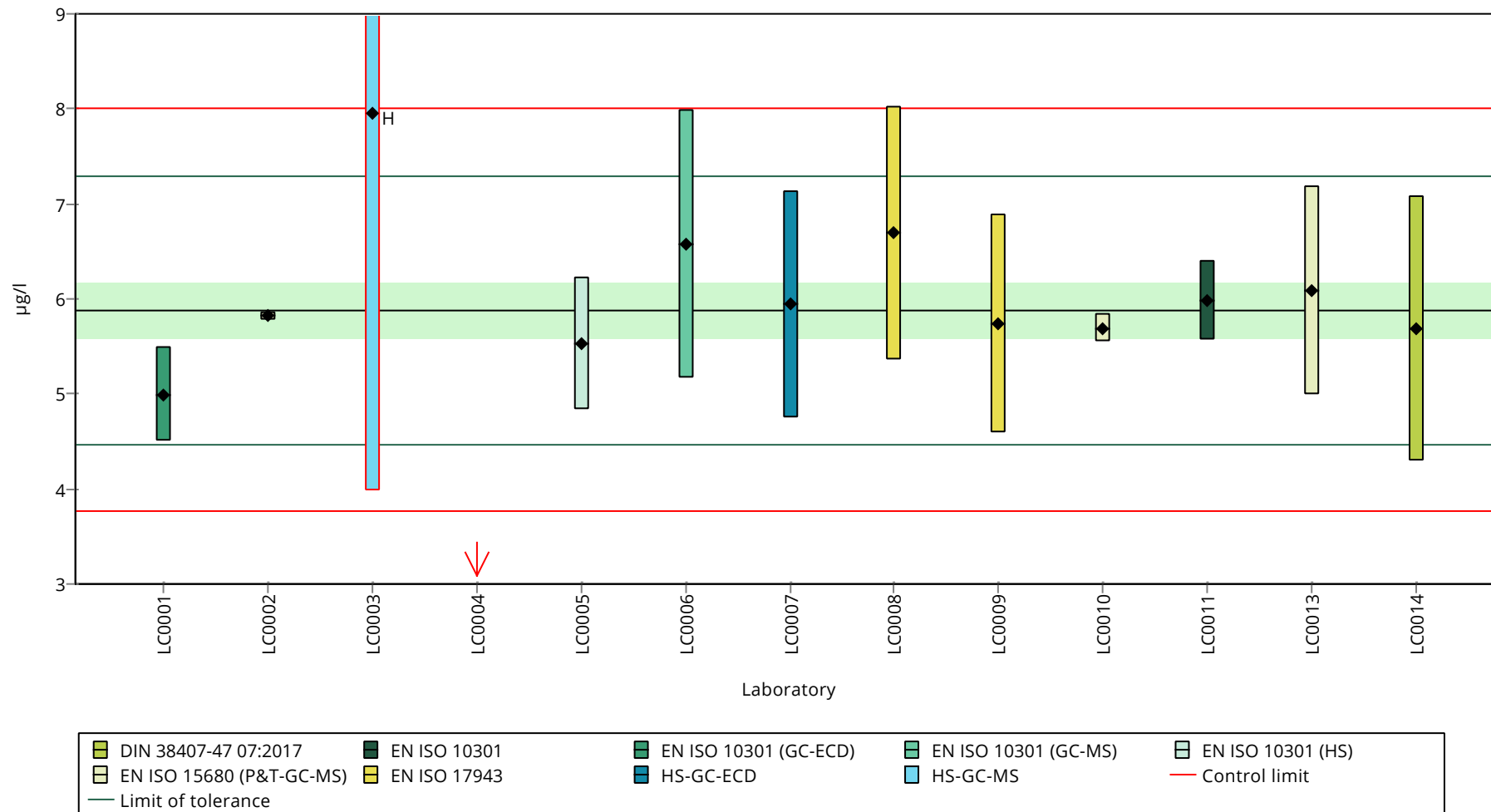
Labcode	Result ± U	Recovery [%]	z-Score	Comments
LC0001	4.992 ± 0.499	84.8	-1.26	
LC0002	5.82 ± 0.039	98.9	-0.09	
LC0003	7.962 ± 3.981	135	2.94	H
LC0004	1.97 ± 0.985	33.5	-5.54	H
LC0005	5.53 ± 0.69	94	-0.5	
LC0006	6.57 ± 1.41	112	0.97	
LC0007	5.94 ± 1.188	101	0.08	
LC0008	6.69 ± 1.34	114	1.14	
LC0009	5.74 ± 1.15	97.5	-0.2	
LC0010	5.69 ± 0.146	96.7	-0.28	
LC0011	5.98 ± 0.42	102	0.13	
LC0012	- ± -	-	-	
LC0013	6.09 ± 1.1	103	0.29	
LC0014	5.69 ± 1.4	96.7	-0.28	
LC0015	- ± -	-	-	

Characteristics of parameter

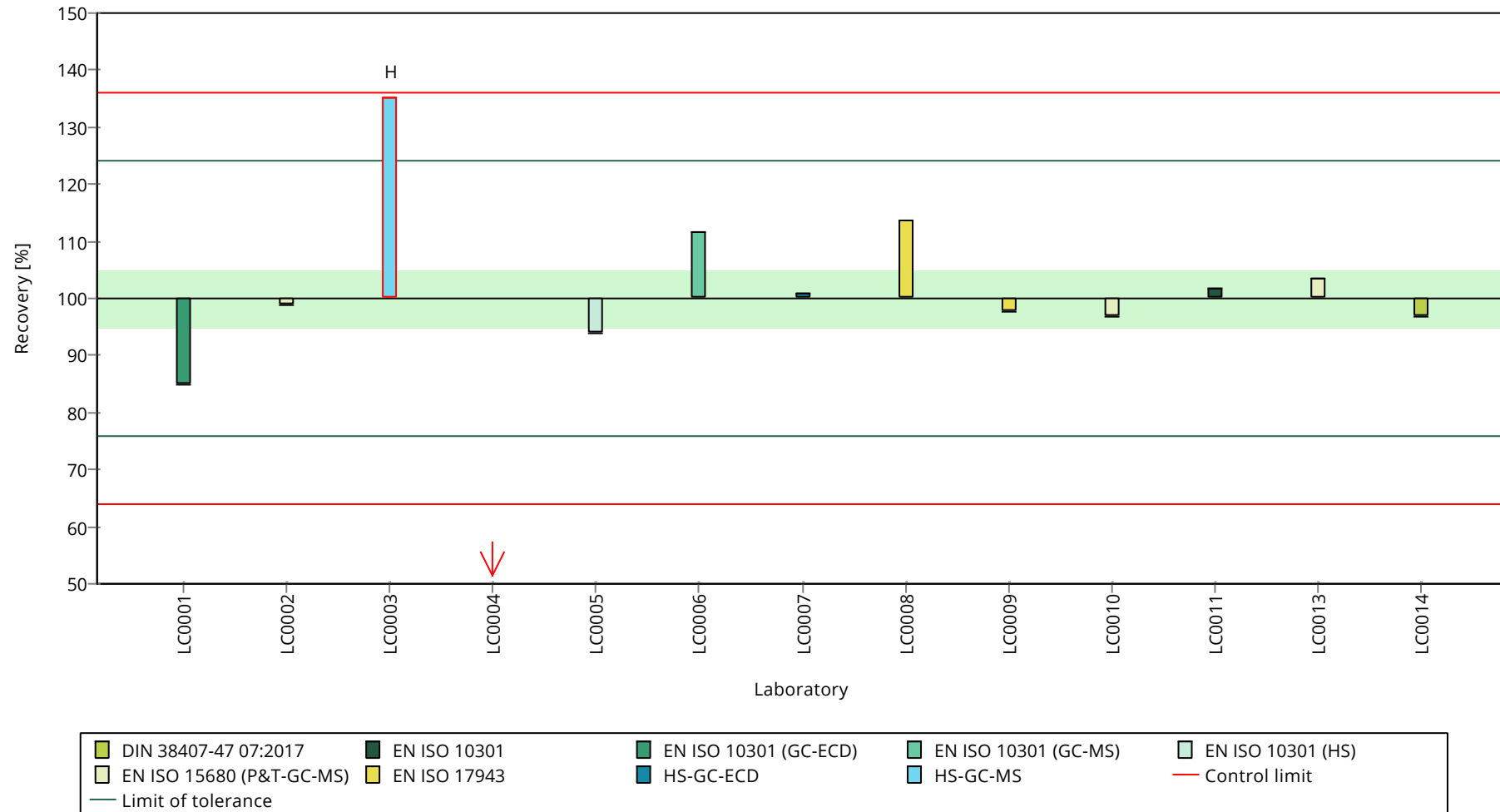
	all results	without outliers	Unit
Mean ± CI (99%)	5.74 ± 1.12	5.88 ± 0.424	µg/l
Minimum	1.97	4.99	µg/l
Maximum	7.96	6.69	µg/l
Standard deviation	1.34	0.469	µg/l
rel. standard deviation	23.3	7.96	%
n	13	11	-

Graphical presentation of results

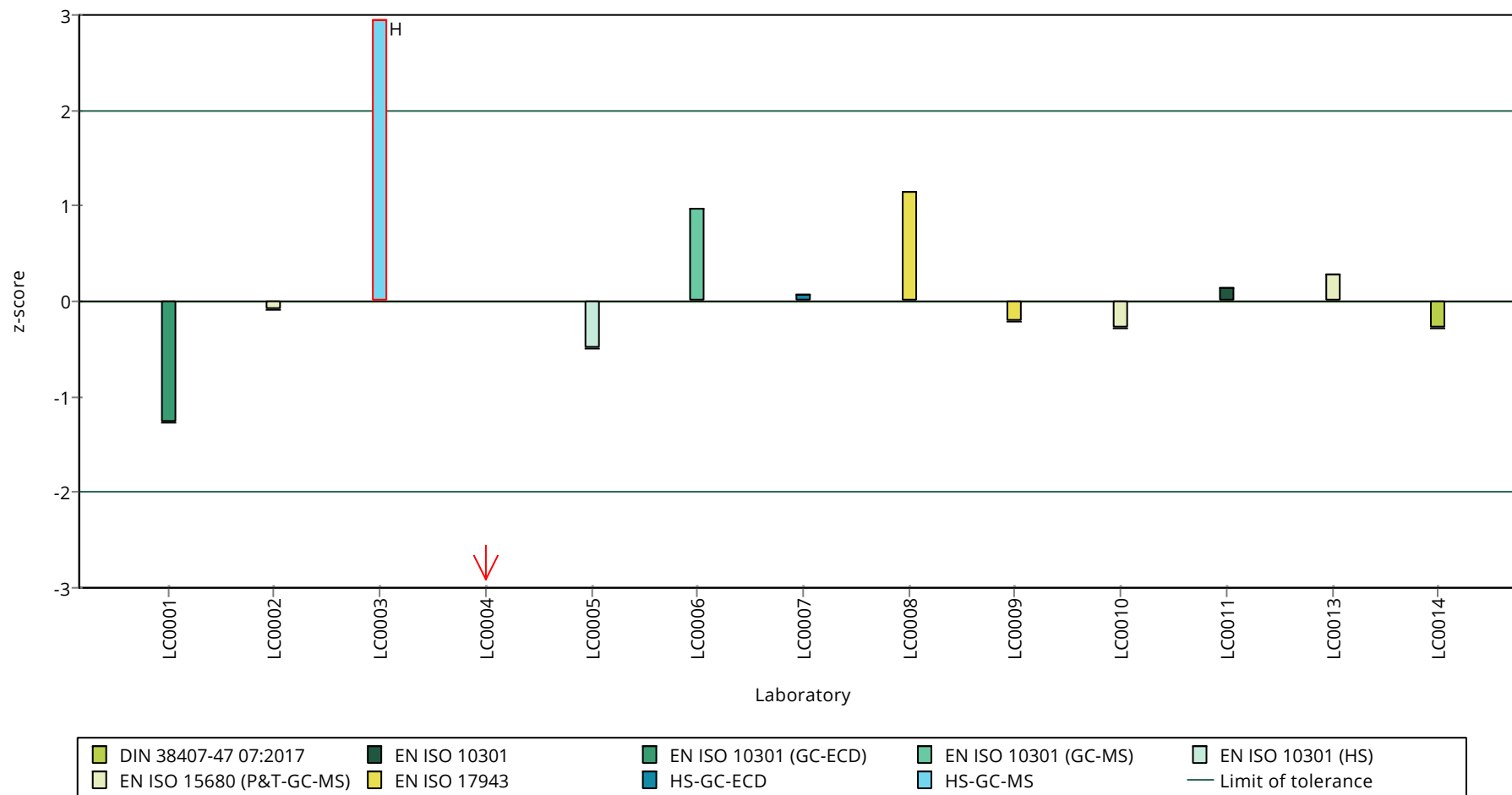
Results



Recovery rate



z-Score



Parameter oriented report Volatile halogenated hydrocarbons (VHH) - C75

Sample: C75A, Parameter: Dichloromethane

Parameter oriented report

C75 A

Dichloromethane

Unit	µg/l
Assigned value ± U (k=2)	1.37 ± 0.125
Criterion	0.22 (16 %)
Minimum - Maximum	1.08 - 1.86
Control test value ± U (k=2)	1.20 ± 0.288

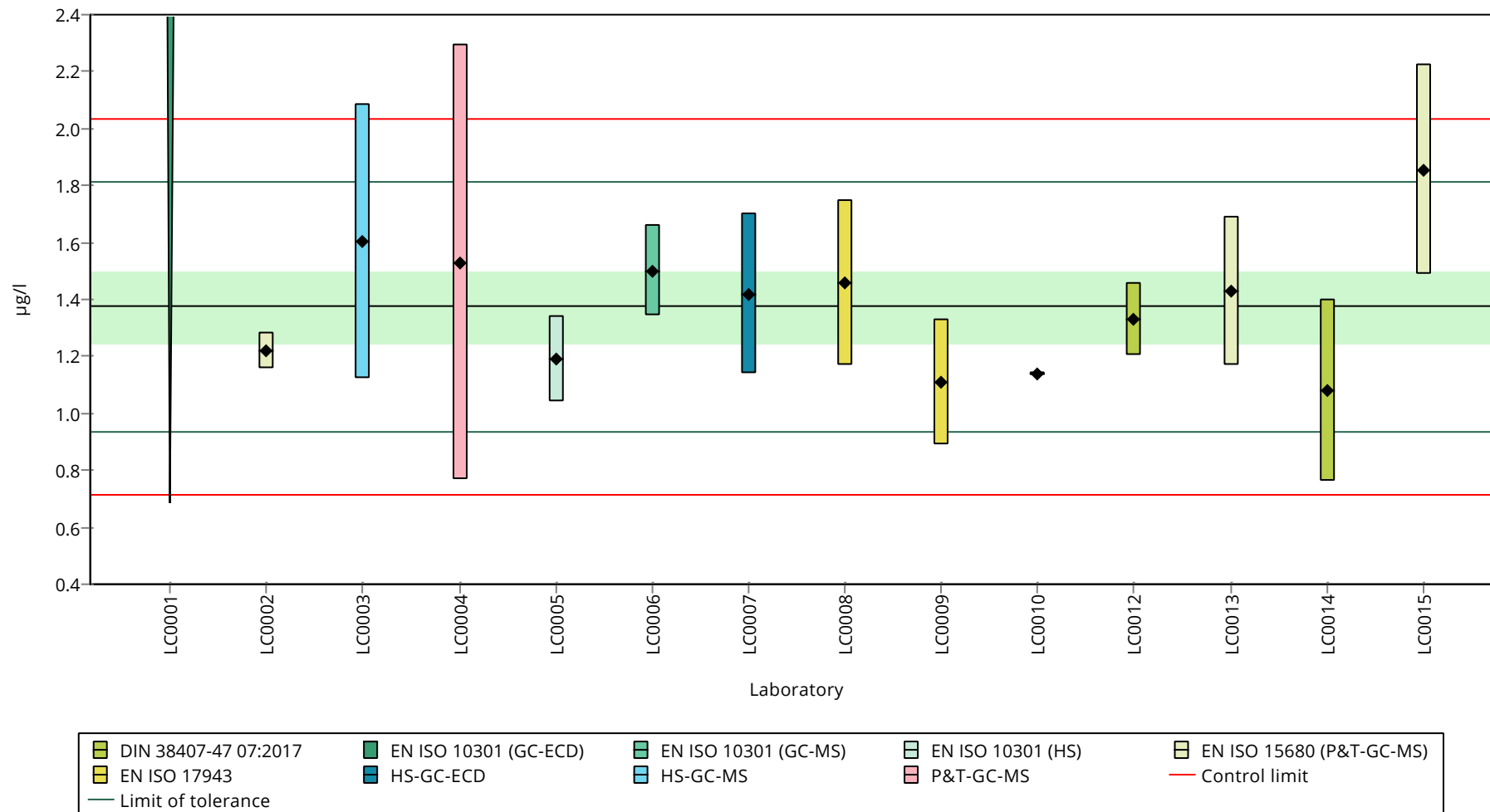
Labcode	Result ± U	Recovery [%]	z-Score	Comments
LC0001	< 3 (LOQ) ± -	-	-	
LC0002	1.22 ± 0.064	88.8	-0.7	
LC0003	1.604 ± 0.481	117	1.04	
LC0004	1.53 ± 0.765	111	0.71	
LC0005	1.19 ± 0.15	86.6	-0.84	
LC0006	1.5 ± 0.16	109	0.57	
LC0007	1.42 ± 0.284	103	0.21	
LC0008	1.46 ± 0.29	106	0.39	
LC0009	1.11 ± 0.22	80.7	-1.2	
LC0010	1.14 ± 0.006	82.9	-1.07	
LC0011	- ± -	-	-	
LC0012	1.33 ± 0.13	96.8	-0.2	
LC0013	1.43 ± 0.26	104	0.25	
LC0014	1.08 ± 0.32	78.6	-1.34	
LC0015	1.856 ± 0.3712	135	2.19	

Characteristics of parameter

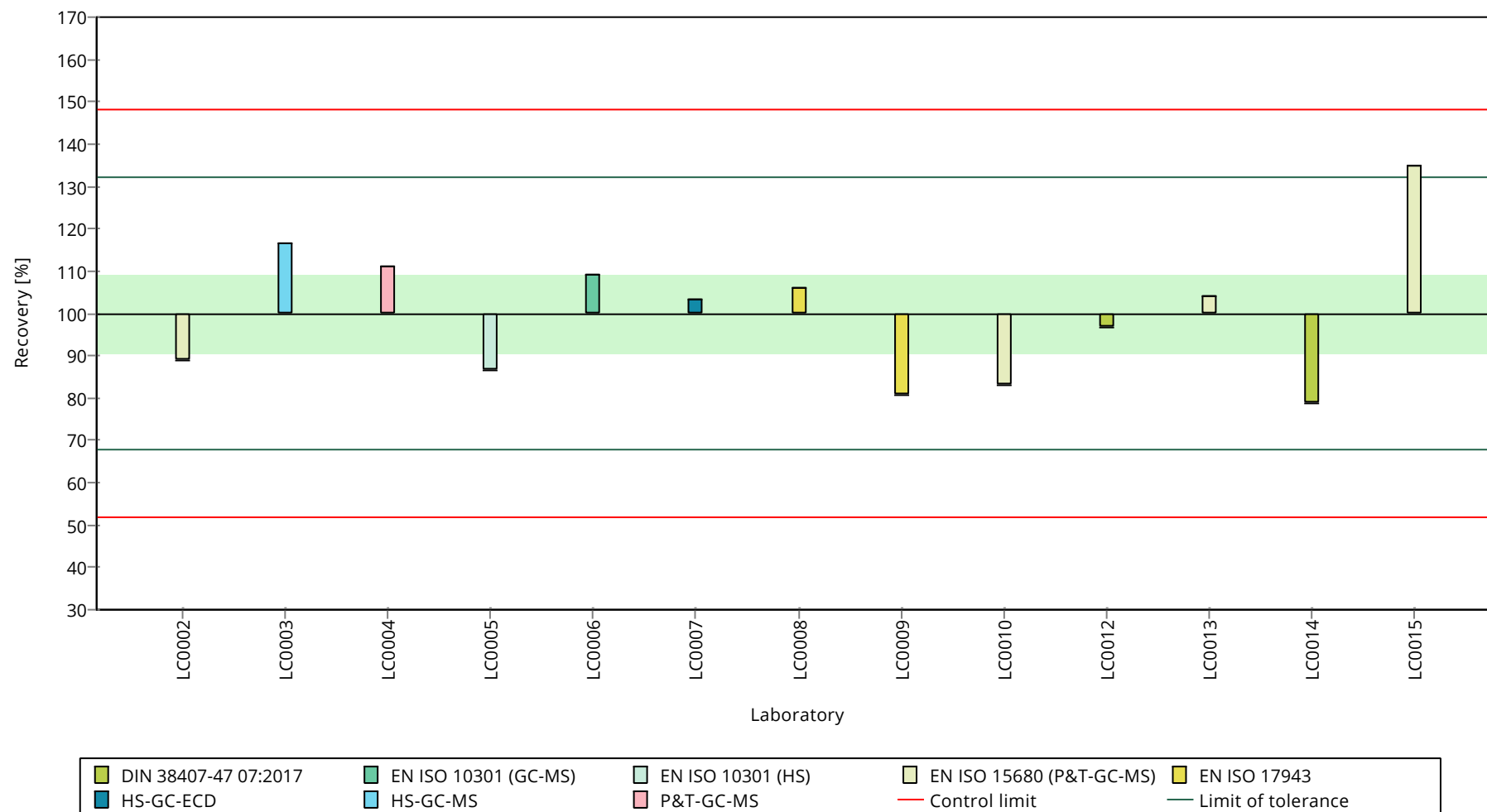
	all results	without outliers	Unit
Mean ± CI (99%)	1.37 ± 0.187	1.37 ± 0.187	µg/l
Minimum	1.08	1.08	µg/l
Maximum	1.86	1.86	µg/l
Standard deviation	0.225	0.225	µg/l
rel. standard deviation	16.4	16.4	%
n	13	13	-

Graphical presentation of results

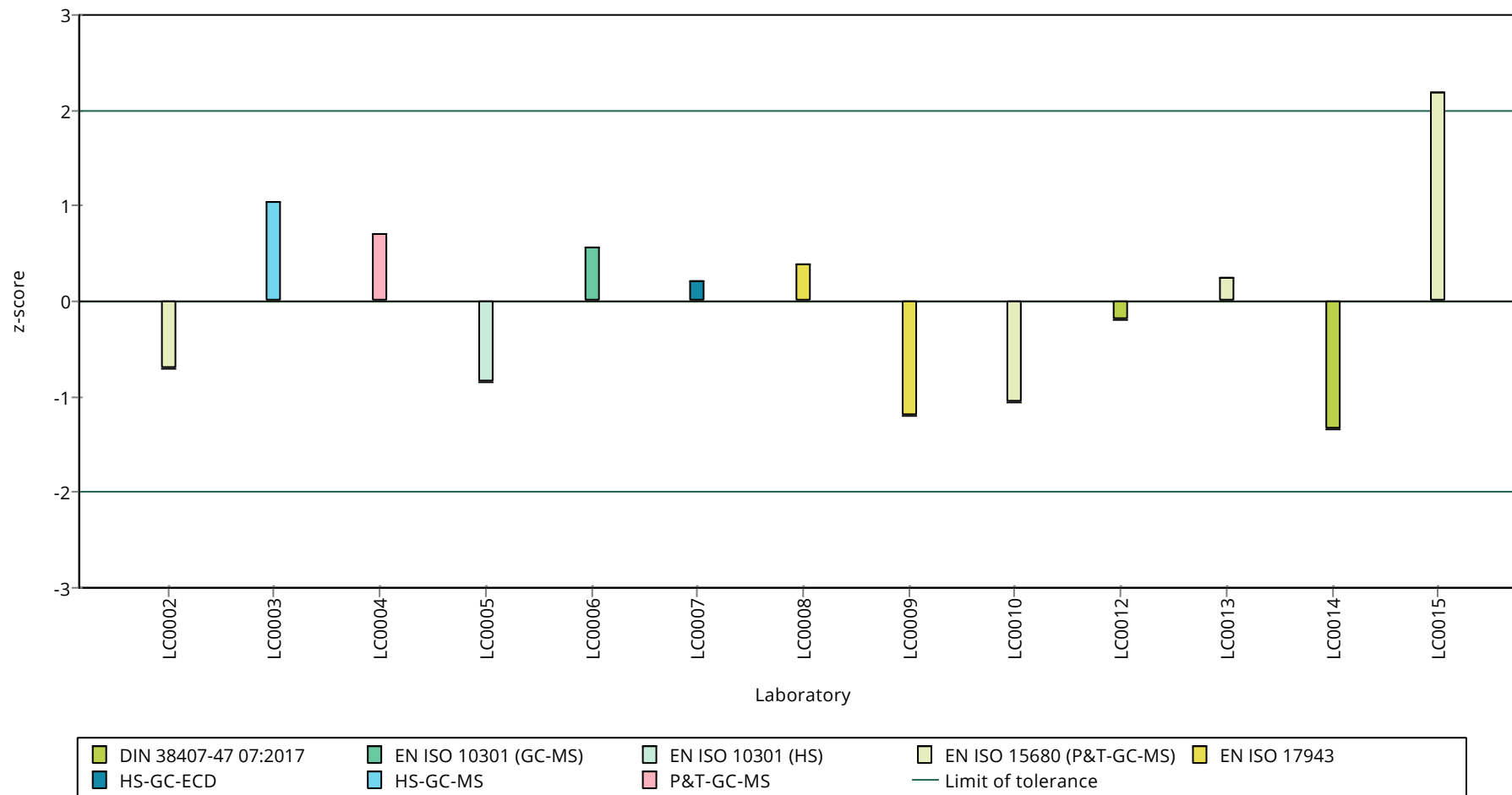
Results



Recovery rate



z-Score



Parameter oriented report Volatile halogenated hydrocarbons (VHH) - C75

Sample: C75B, Parameter: Dichloromethane

Parameter oriented report

C75 B

Dichloromethane

Unit	µg/l
Assigned value ± U (k=2)	4.68 ± 0.573
Criterion	1.03 (22 %)
Minimum - Maximum	2.39 - 6.27
Control test value ± U (k=2)	5.00 ± 1.2

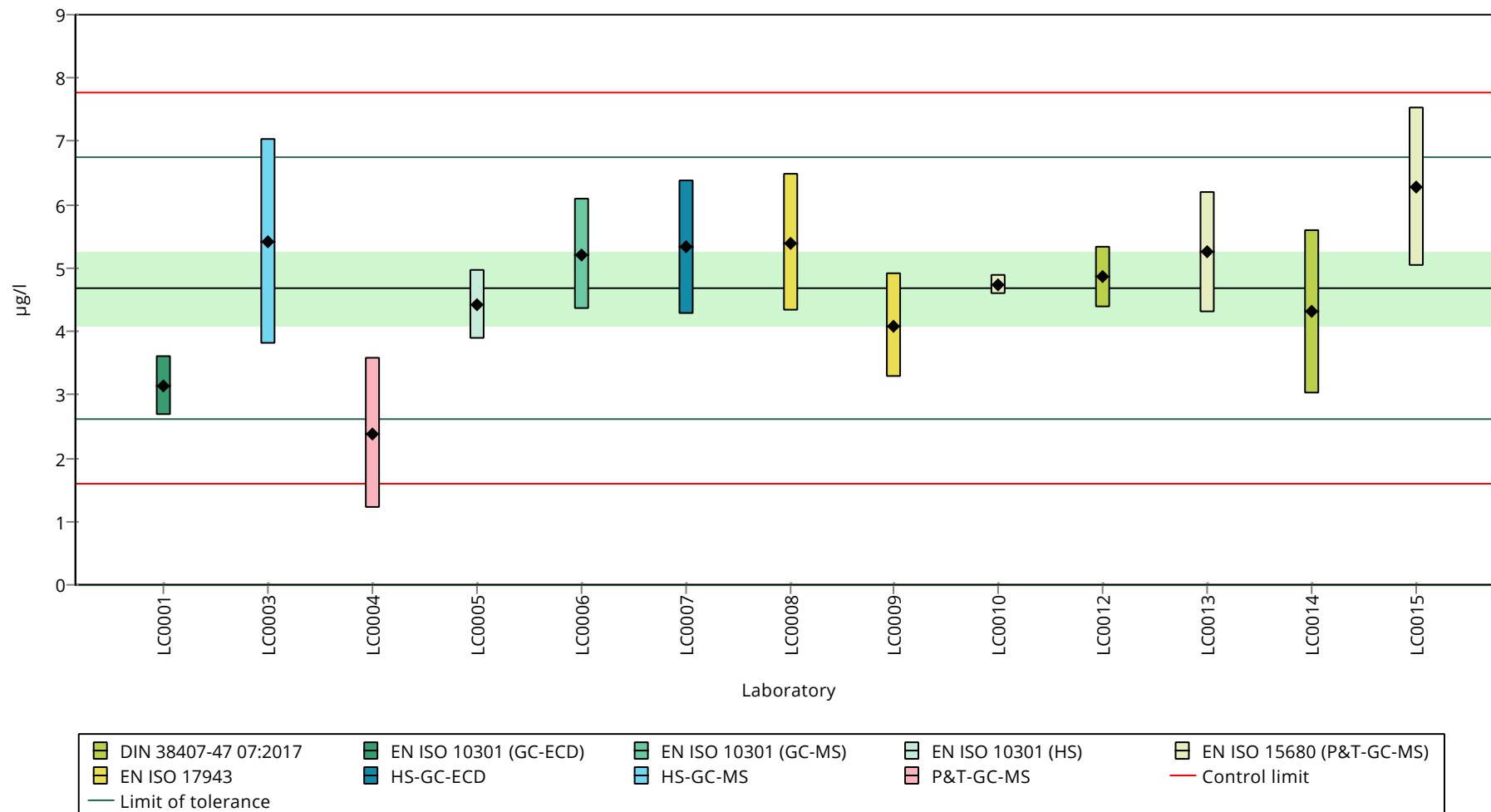
Labcode	Result ± U	Recovery [%]	z-Score	Comments
LC0001	3.144 ± 0.472	67.2	-1.49	
LC0002	- ± -	-	-	
LC0003	5.414 ± 1.624	116	0.71	
LC0004	2.39 ± 1.195	51.1	-2.22	
LC0005	4.43 ± 0.55	94.7	-0.24	
LC0006	5.21 ± 0.88	111	0.52	
LC0007	5.33 ± 1.066	114	0.63	
LC0008	5.4 ± 1.08	115	0.7	
LC0009	4.09 ± 0.82	87.4	-0.57	
LC0010	4.73 ± 0.151	101	0.05	
LC0011	- ± -	-	-	
LC0012	4.86 ± 0.49	104	0.18	
LC0013	5.25 ± 0.95	112	0.55	
LC0014	4.31 ± 1.3	92.1	-0.36	
LC0015	6.27 ± 1.254	134	1.55	

Characteristics of parameter

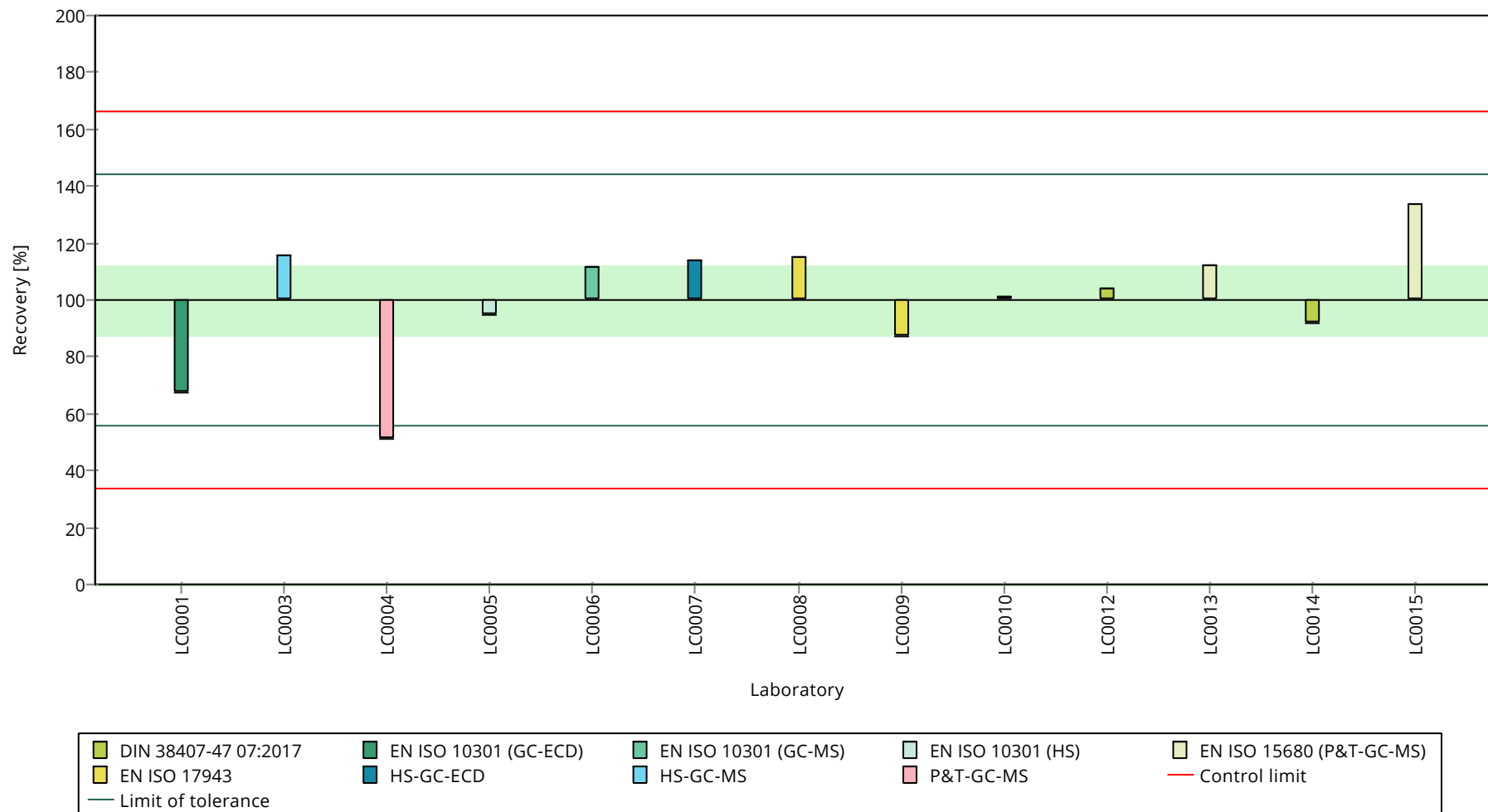
	all results	without outliers	Unit
Mean ± CI (99%)	4.68 ± 0.859	4.68 ± 0.859	µg/l
Minimum	2.39	2.39	µg/l
Maximum	6.27	6.27	µg/l
Standard deviation	1.03	1.03	µg/l
rel. standard deviation	22.1	22.1	%
n	13	13	-

Graphical presentation of results

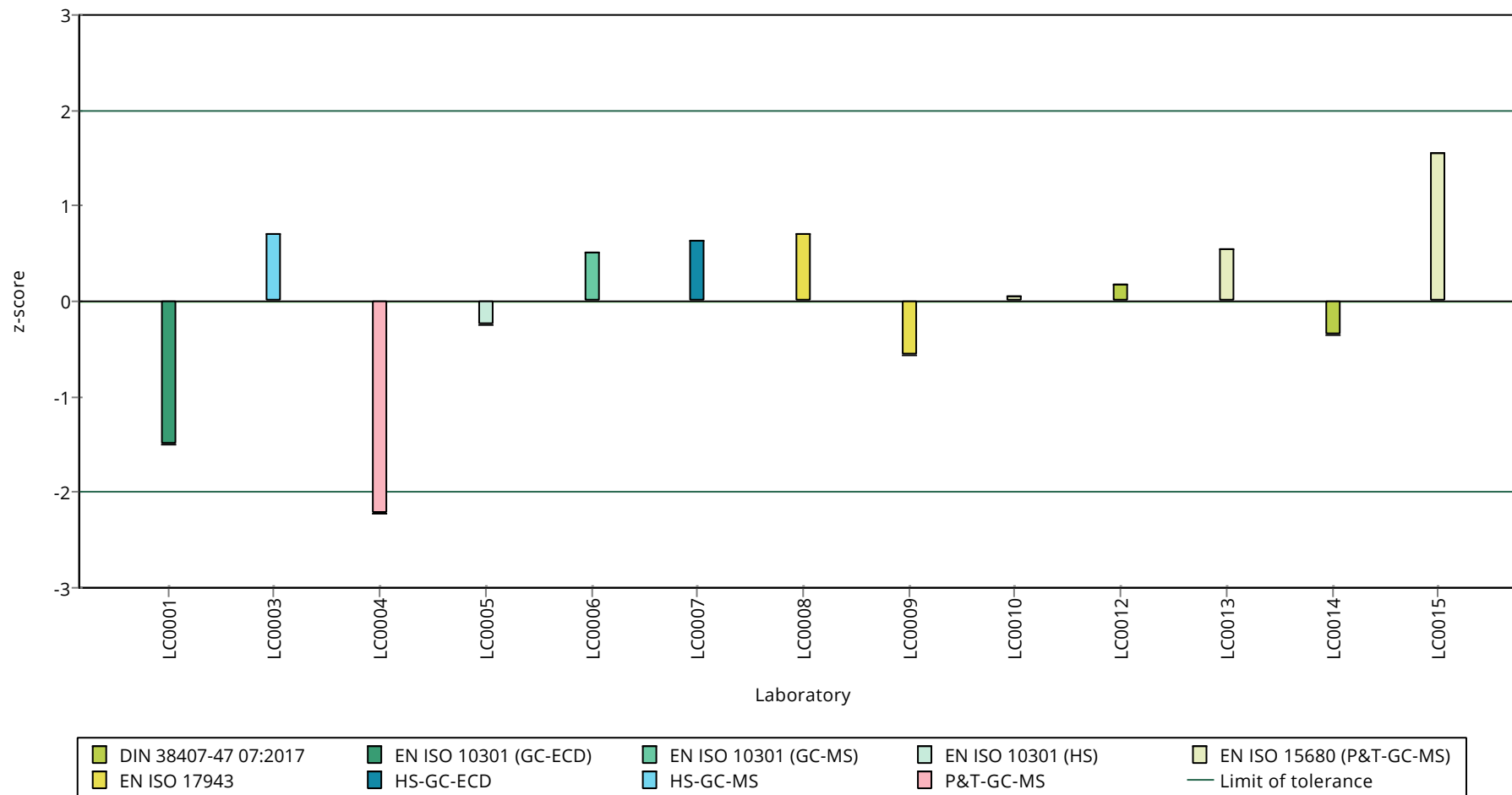
Results



Recovery rate



z-Score



Parameter oriented report Volatile halogenated hydrocarbons (VHH) - C75

Sample: C75A, Parameter: Tetrachloroethene

Parameter oriented report

C75 A

Tetrachloroethene

Unit	µg/l
Assigned value ± U (k=2)	1.29 ± 0.084
Criterion	0.22 (17 %)
Minimum - Maximum	0.96 - 1.48
Control test value ± U (k=2)	1.41 ± 0.352

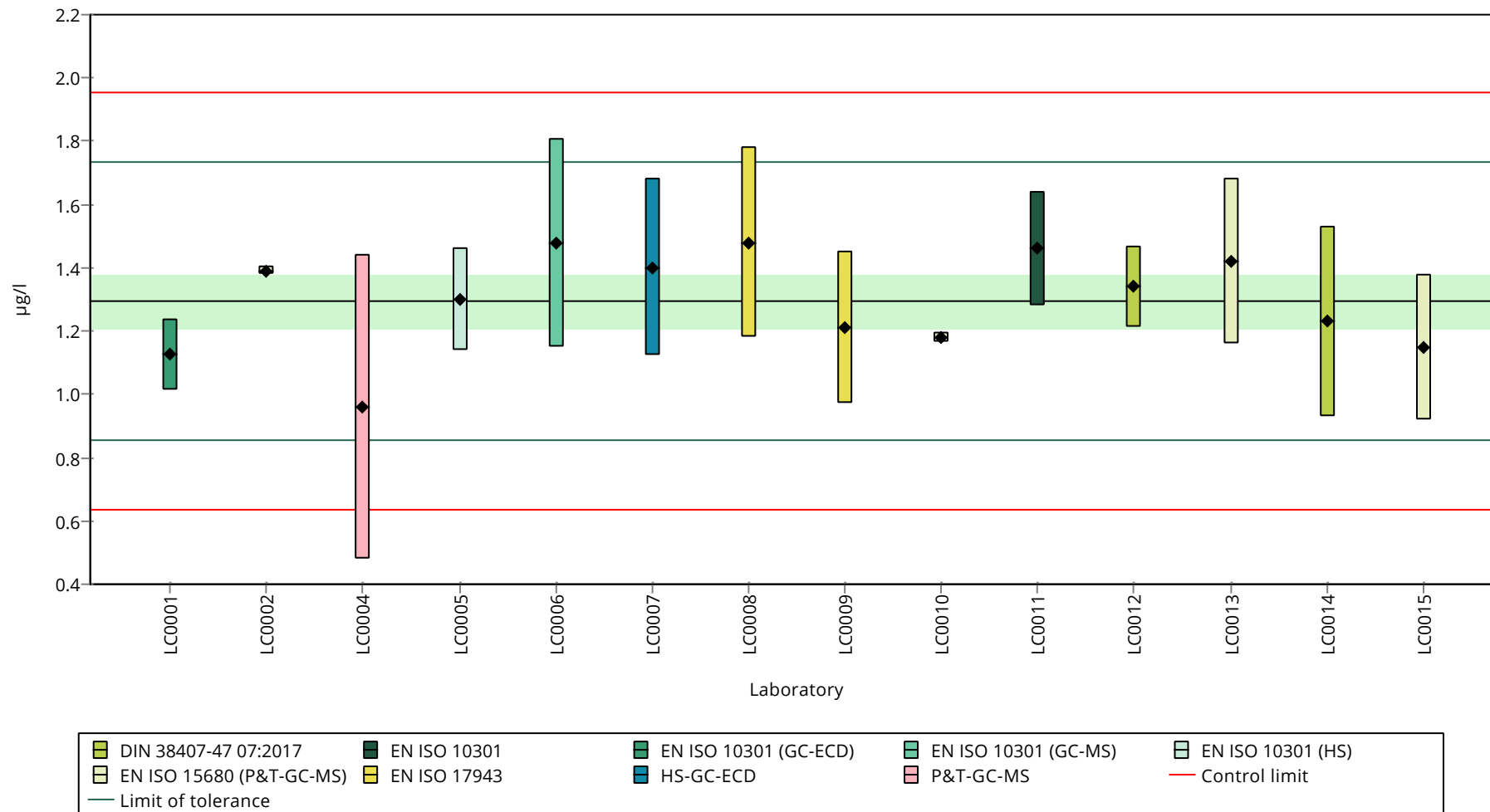
Labcode	Result ± U	Recovery [%]	z-Score	Comments
LC0001	1.125 ± 0.112	86.9	-0.77	
LC0002	1.39 ± 0.013	107	0.43	
LC0003	- ± -	-	-	
LC0004	0.96 ± 0.48	74.2	-1.52	
LC0005	1.3 ± 0.16	100	0.03	
LC0006	1.48 ± 0.33	114	0.84	
LC0007	1.4 ± 0.28	108	0.48	
LC0008	1.48 ± 0.3	114	0.84	
LC0009	1.21 ± 0.24	93.5	-0.38	
LC0010	1.18 ± 0.017	91.2	-0.52	
LC0011	1.46 ± 0.18	113	0.75	
LC0012	1.34 ± 0.13	104	0.21	
LC0013	1.42 ± 0.26	110	0.57	
LC0014	1.23 ± 0.3	95	-0.29	
LC0015	1.147 ± 0.22938	88.6	-0.67	

Characteristics of parameter

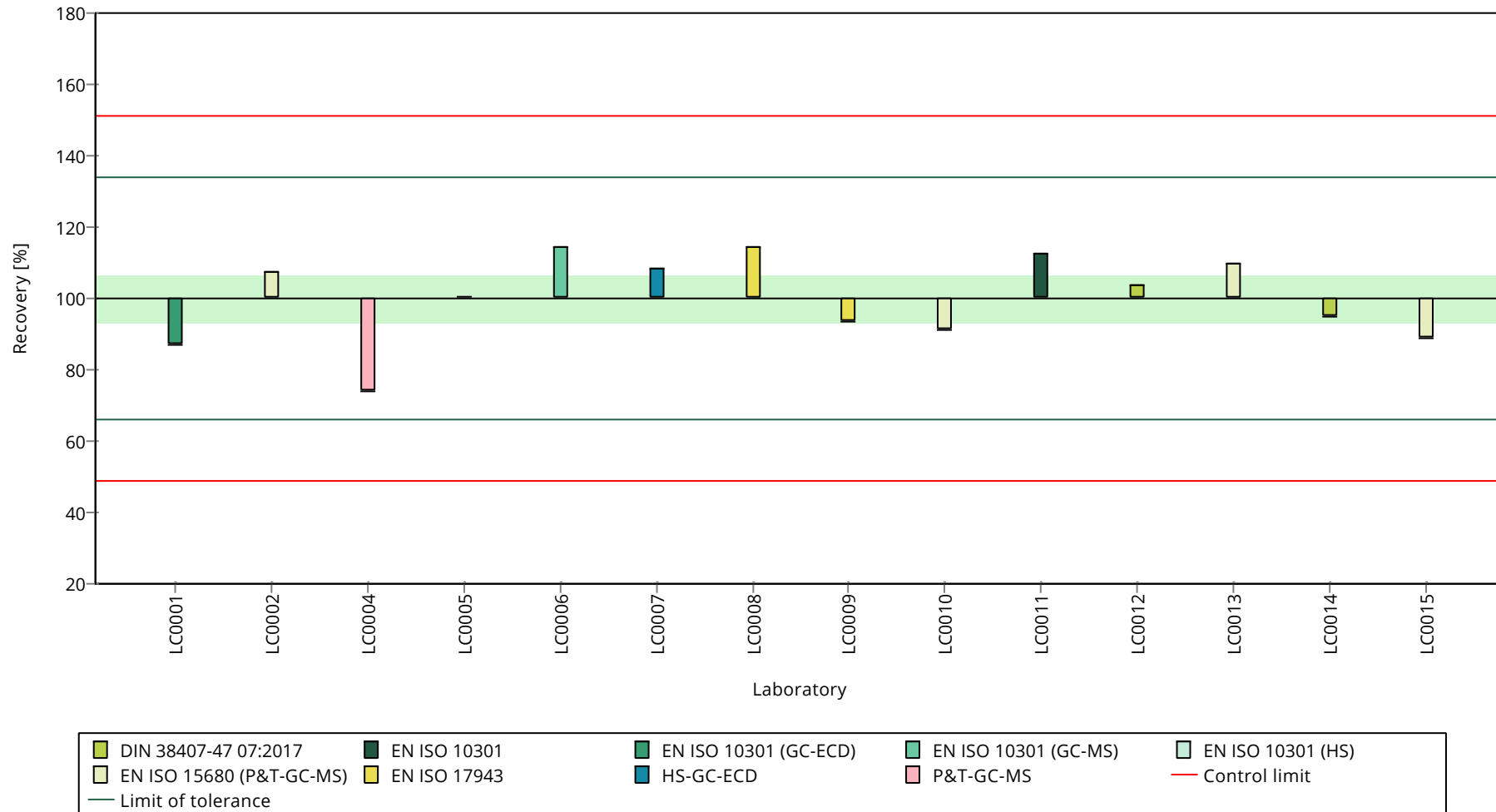
	all results	without outliers	Unit
Mean ± CI (99%)	1.29 ± 0.126	1.29 ± 0.126	µg/l
Minimum	0.96	0.96	µg/l
Maximum	1.48	1.48	µg/l
Standard deviation	0.157	0.157	µg/l
rel. standard deviation	12.1	12.1	%
n	14	14	-

Graphical presentation of results

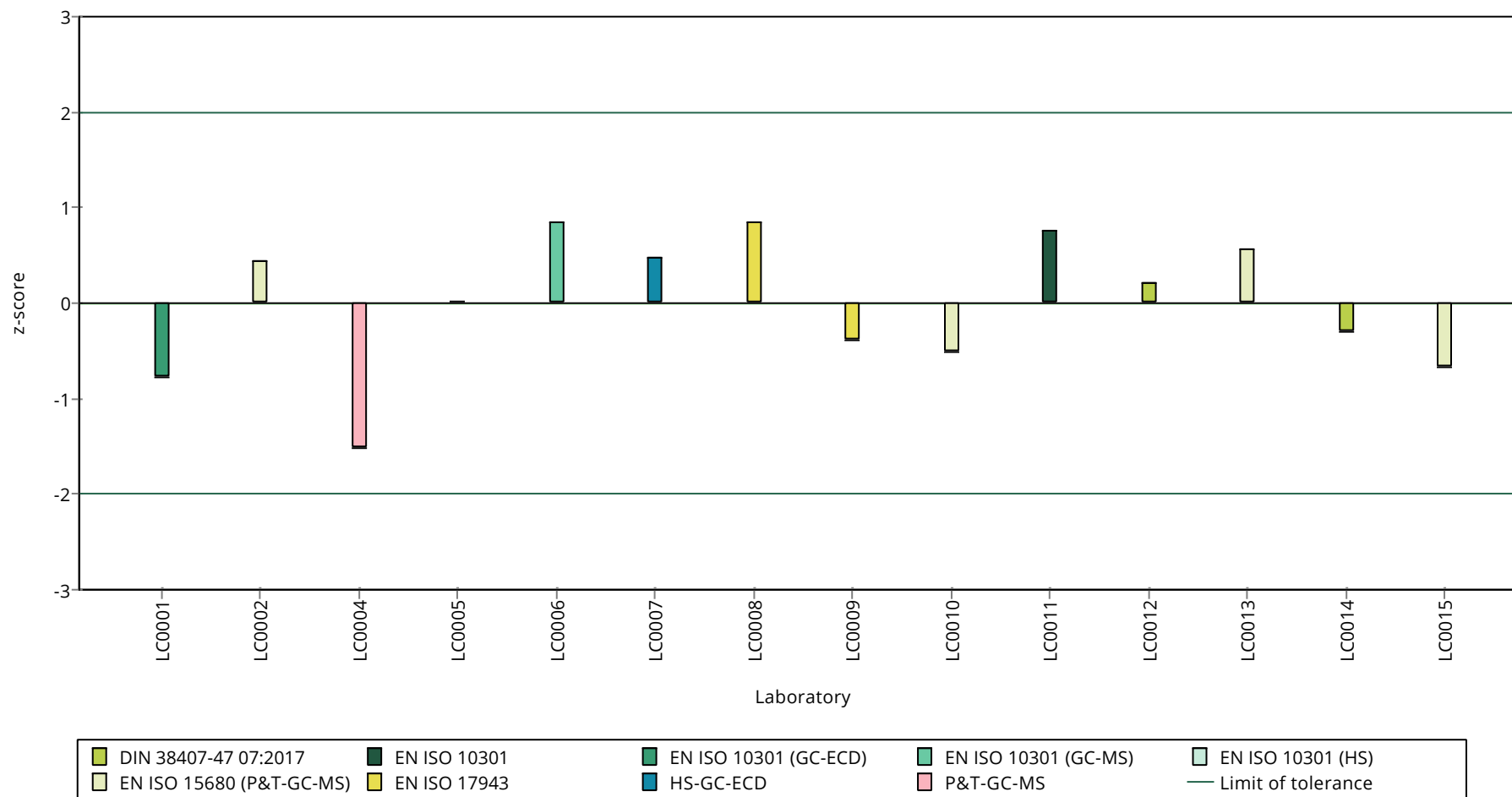
Results



Recovery rate



z-Score



Parameter oriented report Volatile halogenated hydrocarbons (VHH) - C75

Sample: C75B, Parameter: Tetrachloroethene

Parameter oriented report

C75 B

Tetrachloroethene

Unit	µg/l
Assigned value ± U (k=2)	5.11 ± 0.44
Criterion	0.868 (17 %)
Minimum - Maximum	3.24 - 6.13
Control test value ± U (k=2)	5.68 ± 1.42

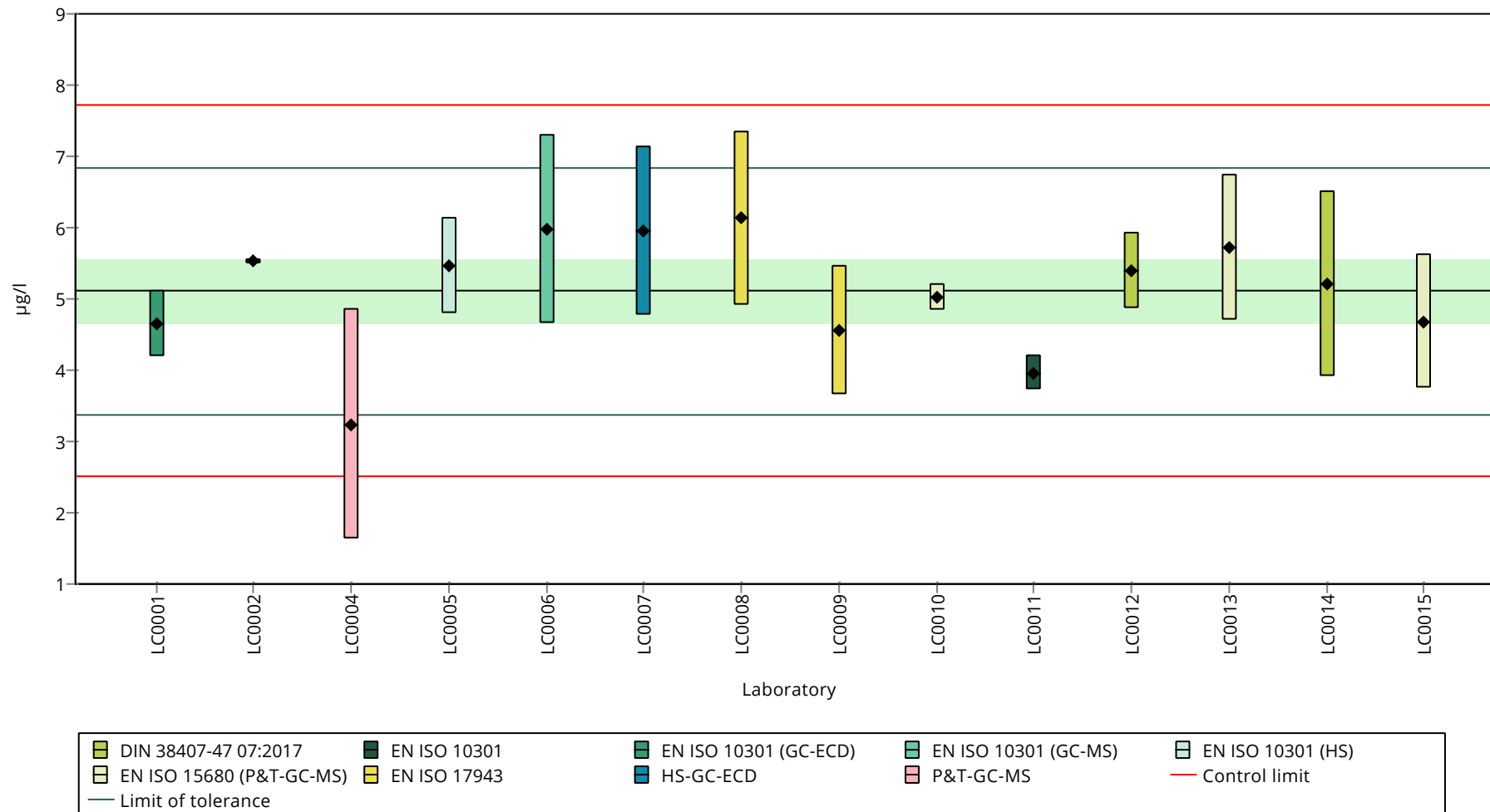
Labcode	Result ± U	Recovery [%]	z-Score	Comments
LC0001	4.653 ± 0.465	91.1	-0.52	
LC0002	5.53 ± 0.035	108	0.49	
LC0003	- ± -	-	-	
LC0004	3.24 ± 1.62	63.4	-2.15	
LC0005	5.47 ± 0.68	107	0.42	
LC0006	5.98 ± 1.33	117	1.01	
LC0007	5.95 ± 1.19	117	0.97	
LC0008	6.13 ± 1.23	120	1.18	
LC0009	4.55 ± 0.91	89.1	-0.64	
LC0010	5.02 ± 0.178	98.3	-0.1	
LC0011	3.96 ± 0.25	77.5	-1.32	
LC0012	5.4 ± 0.54	106	0.34	
LC0013	5.72 ± 1.03	112	0.71	
LC0014	5.21 ± 1.3	102	0.12	
LC0015	4.685 ± 0.937	91.7	-0.49	

Characteristics of parameter

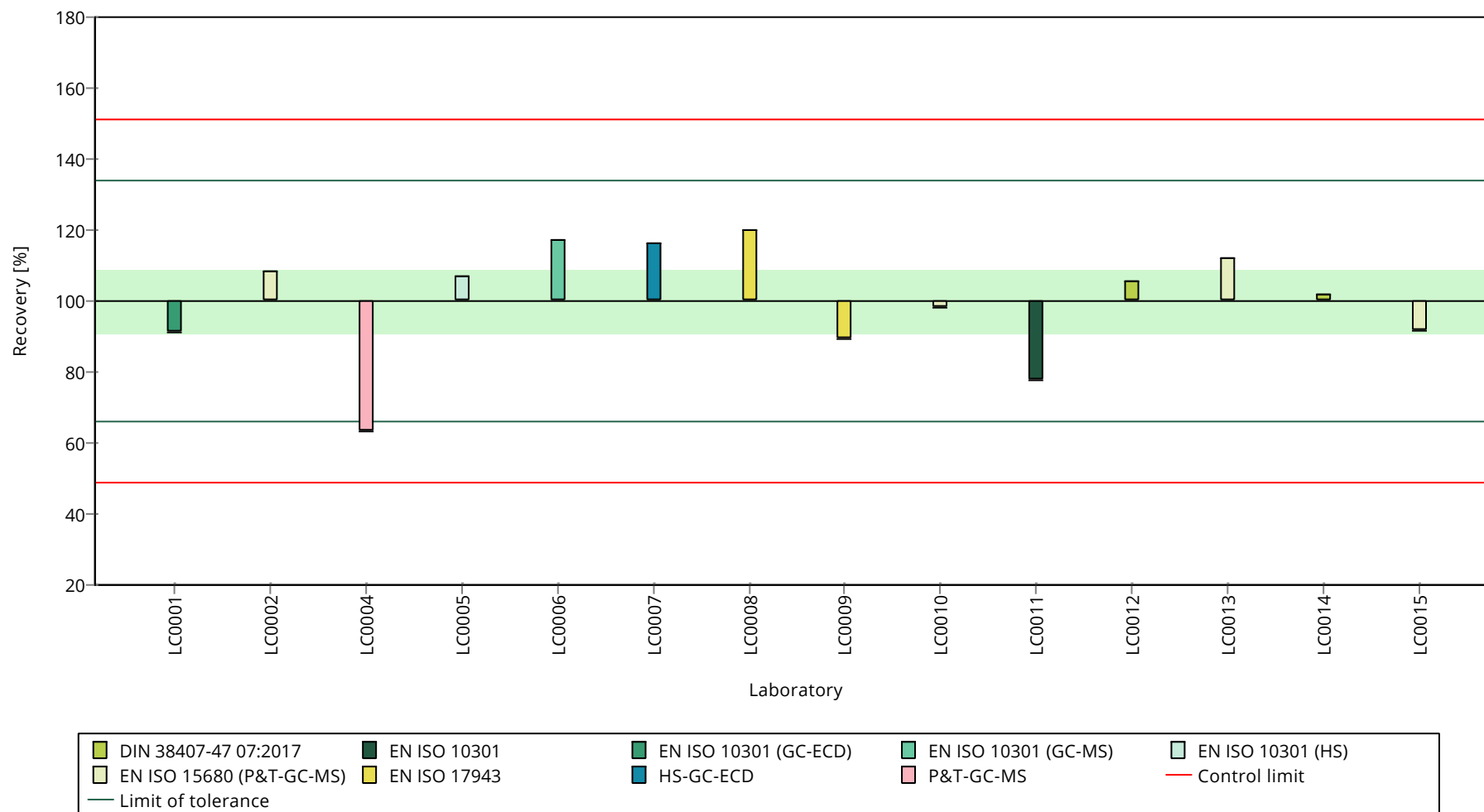
	all results	without outliers	Unit
Mean ± CI (99%)	5.11 ± 0.66	5.11 ± 0.66	µg/l
Minimum	3.24	3.24	µg/l
Maximum	6.13	6.13	µg/l
Standard deviation	0.823	0.823	µg/l
rel. standard deviation	16.1	16.1	%
n	14	14	-

Graphical presentation of results

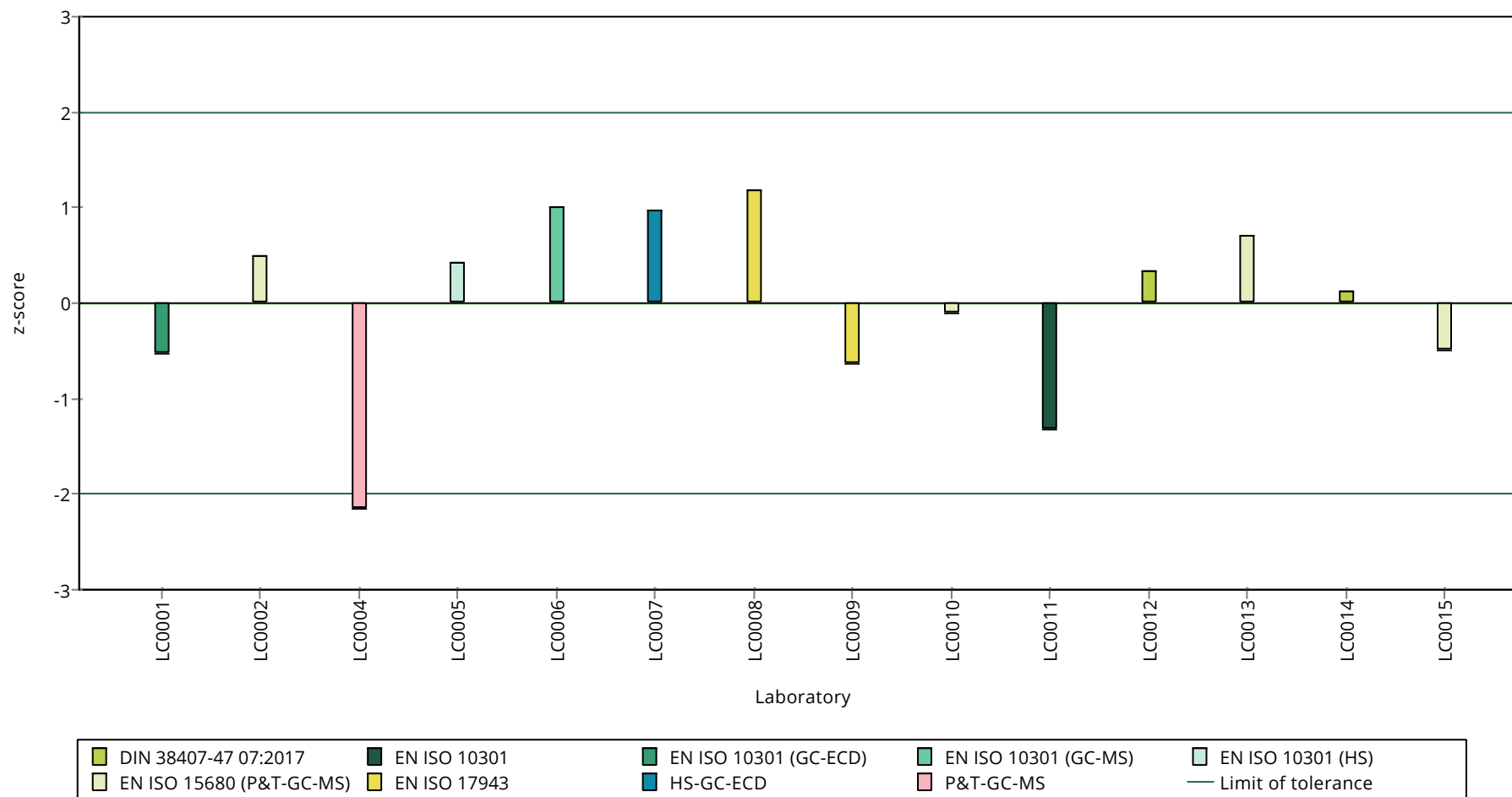
Results



Recovery rate



z-Score



Parameter oriented report Volatile halogenated hydrocarbons (VHH) - C75

Sample: C75A, Parameter: Tetrachloromethane

Parameter oriented report

C75 A

Tetrachloromethane

Unit	µg/l
Assigned value ± U (k=2)	0.857 ± 0.0571
Criterion	0.137 (16 %)
Minimum - Maximum	0.706 - 1.06
Control test value ± U (k=2)	0.918 ± 0.193

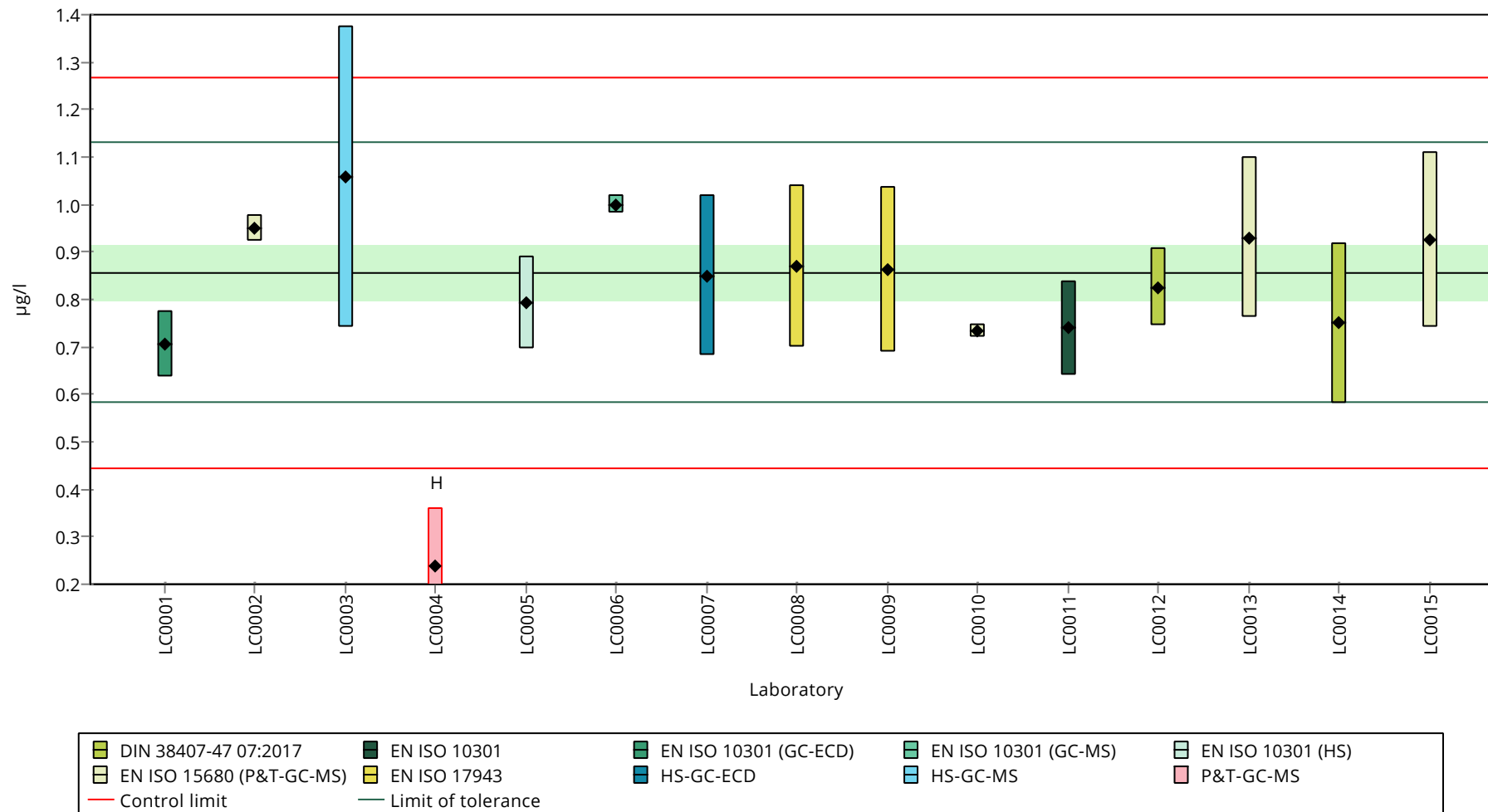
Labcode	Result ± U	Recovery [%]	z-Score	Comments
LC0001	0.7057 ± 0.071	82.4	-1.1	
LC0002	0.95 ± 0.028	111	0.68	
LC0003	1.059 ± 0.318	124	1.47	
LC0004	0.24 ± 0.12	28	-4.5	H
LC0005	0.793 ± 0.099	92.5	-0.47	
LC0006	1 ± 0.02	117	1.04	
LC0007	0.85 ± 0.17	99.2	-0.05	
LC0008	0.87 ± 0.17	102	0.1	
LC0009	0.863 ± 0.173	101	0.04	
LC0010	0.734 ± 0.014	85.7	-0.9	
LC0011	0.74 ± 0.1	86.4	-0.85	
LC0012	0.825 ± 0.082	96.3	-0.23	
LC0013	0.93 ± 0.17	109	0.53	
LC0014	0.75 ± 0.17	87.5	-0.78	
LC0015	0.926 ± 0.18511	108	0.5	

Characteristics of parameter

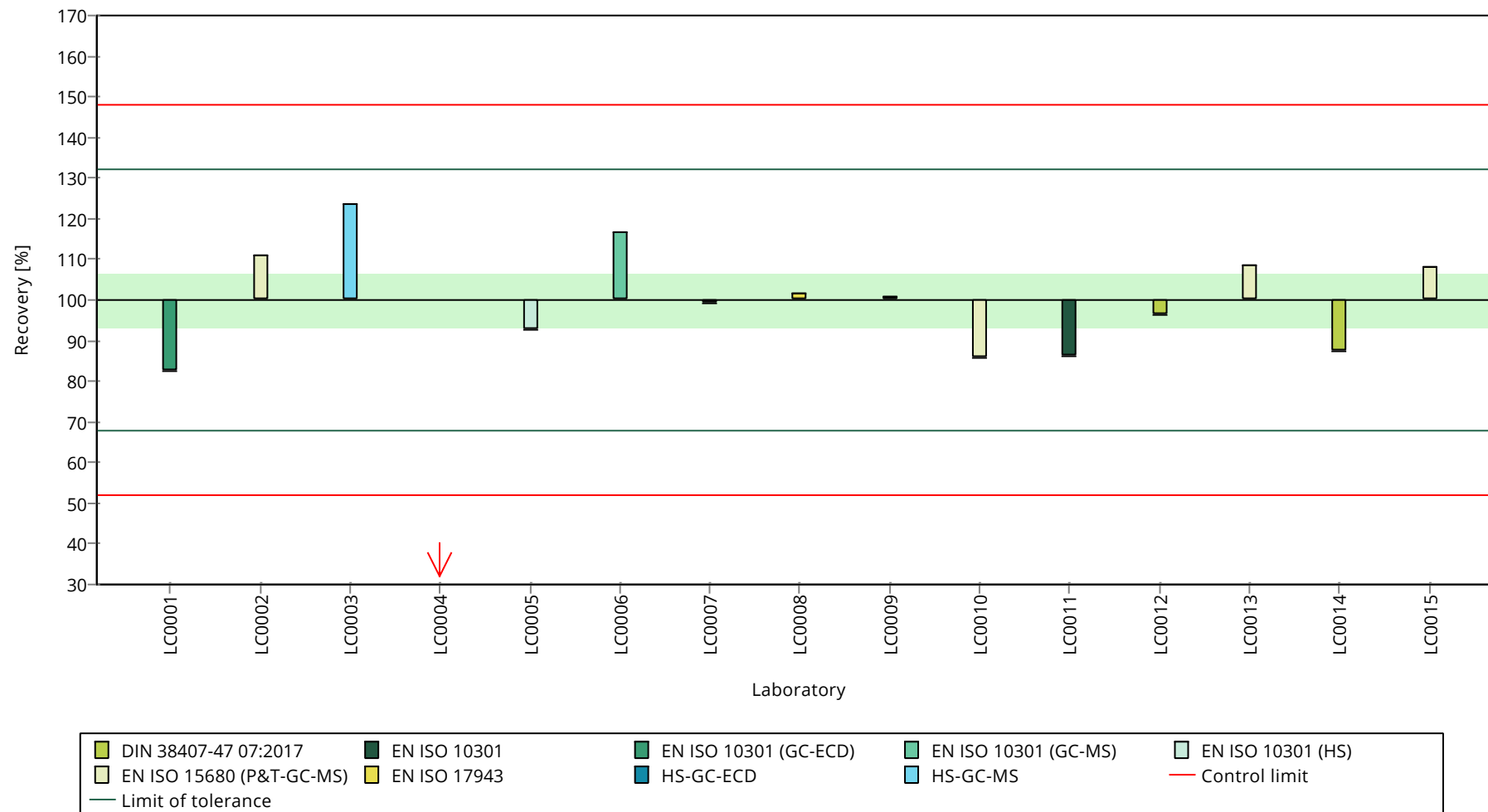
	all results	without outliers	Unit
Mean ± CI (99%)	0.816 ± 0.147	0.857 ± 0.0857	µg/l
Minimum	0.24	0.706	µg/l
Maximum	1.06	1.06	µg/l
Standard deviation	0.19	0.107	µg/l
rel. standard deviation	23.3	12.5	%
n	15	14	-

Graphical presentation of results

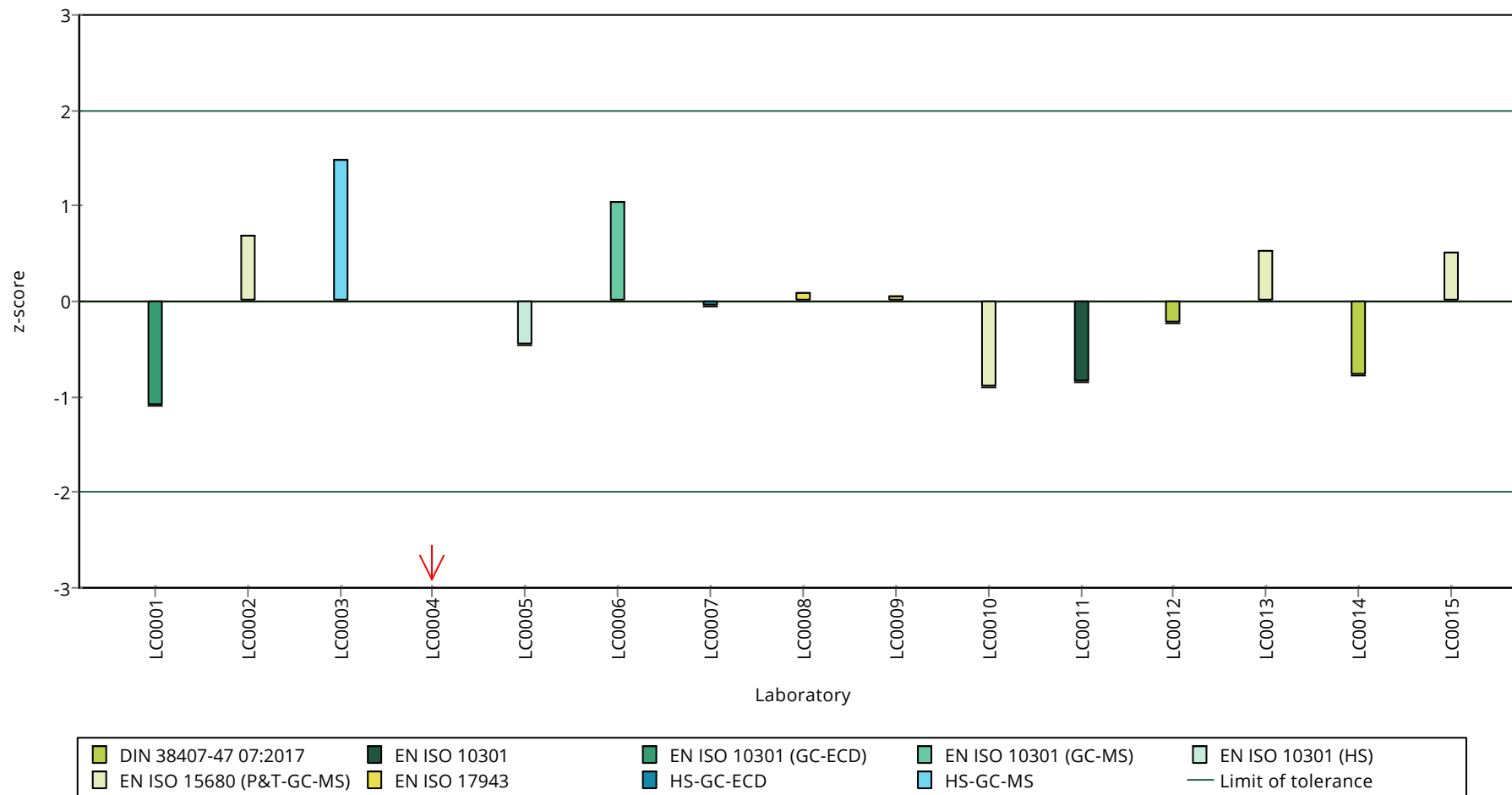
Results



Recovery rate



z-Score



Parameter oriented report Volatile halogenated hydrocarbons (VHH) - C75

Sample: C75B, Parameter: Tetrachloromethane

Parameter oriented report

C75 B

Tetrachloromethane

Unit	µg/l
Assigned value ± U (k=2)	3.58 ± 0.167
Criterion	0.573 (16 %)
Minimum - Maximum	2.96 - 4.17
Control test value ± U (k=2)	4.05 ± 0.851

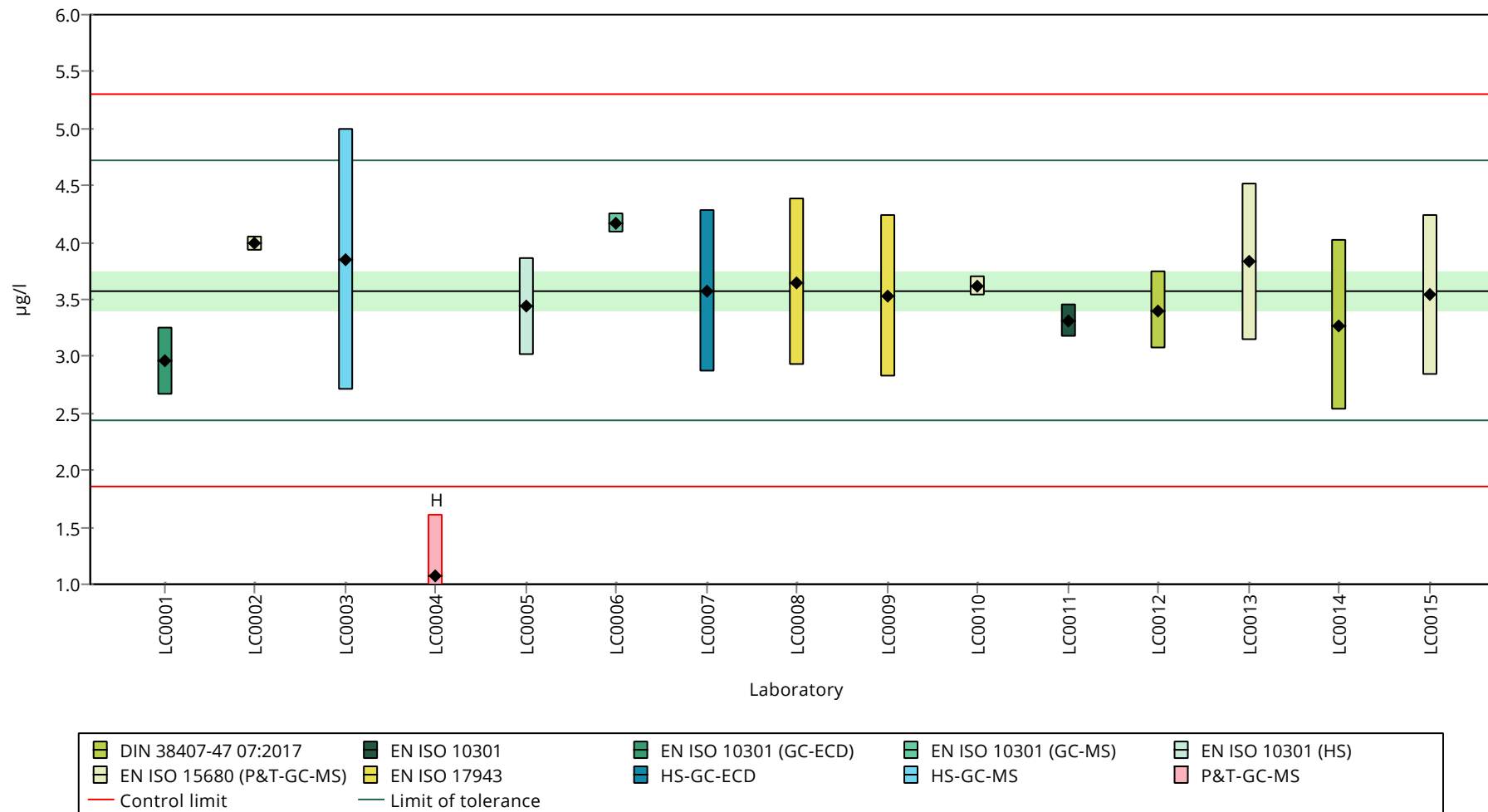
Labcode	Result ± U	Recovery [%]	z-Score	Comments
LC0001	2.959 ± 0.296	82.7	-1.08	
LC0002	3.99 ± 0.069	111	0.72	
LC0003	3.848 ± 1.154	107	0.47	
LC0004	1.07 ± 0.535	29.9	-4.38	H
LC0005	3.44 ± 0.43	96.1	-0.24	
LC0006	4.17 ± 0.09	116	1.03	
LC0007	3.57 ± 0.714	99.7	-0.02	
LC0008	3.65 ± 0.73	102	0.12	
LC0009	3.53 ± 0.71	98.6	-0.09	
LC0010	3.61 ± 0.087	101	0.05	
LC0011	3.31 ± 0.15	92.5	-0.47	
LC0012	3.4 ± 0.34	95	-0.31	
LC0013	3.83 ± 0.69	107	0.44	
LC0014	3.27 ± 0.75	91.3	-0.54	
LC0015	3.539 ± 0.708	98.9	-0.07	

Characteristics of parameter

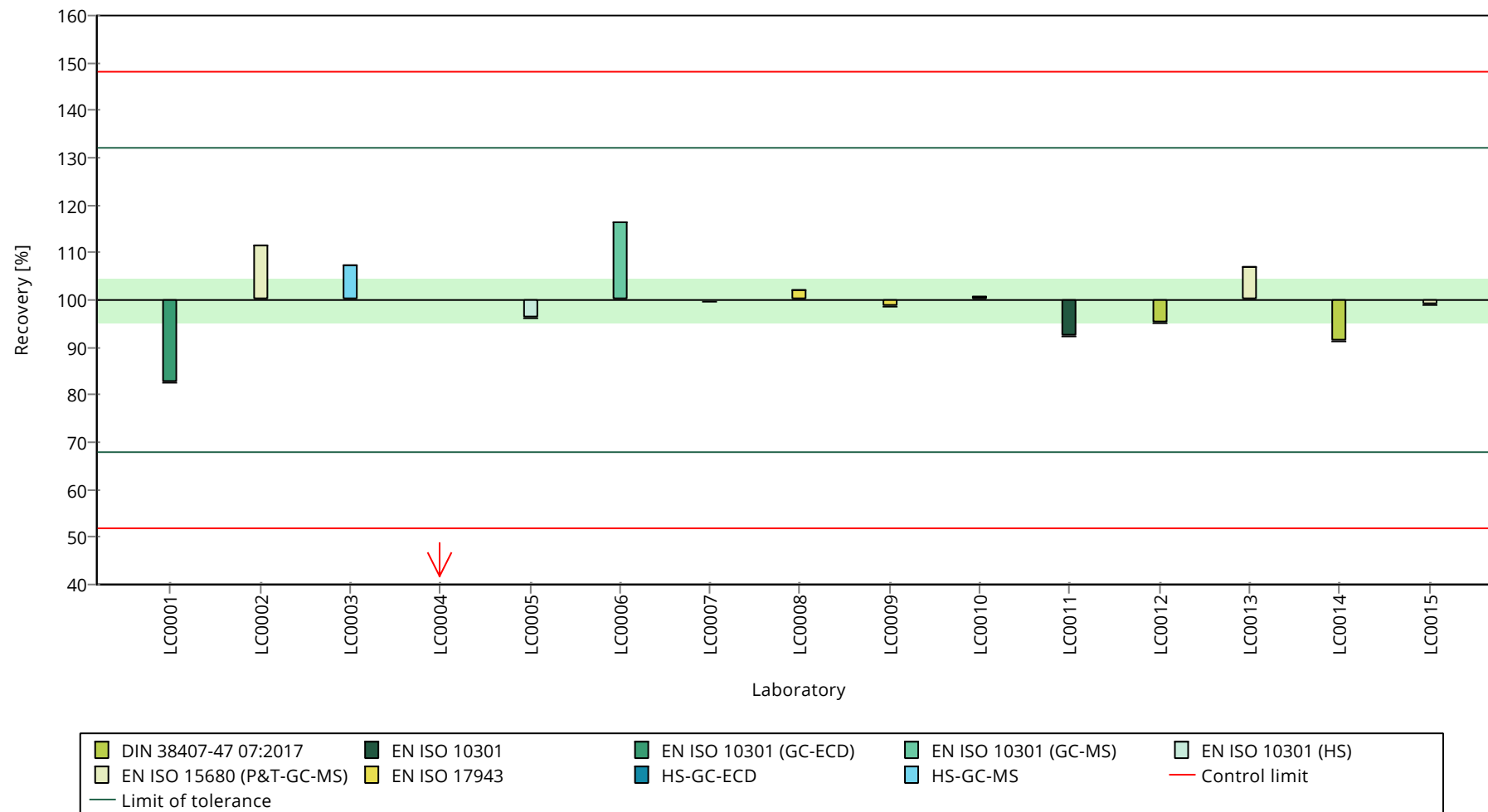
	all results	without outliers	Unit
Mean ± CI (99%)	3.41 ± 0.553	3.58 ± 0.25	µg/l
Minimum	1.07	2.96	µg/l
Maximum	4.17	4.17	µg/l
Standard deviation	0.714	0.312	µg/l
rel. standard deviation	20.9	8.72	%
n	15	14	-

Graphical presentation of results

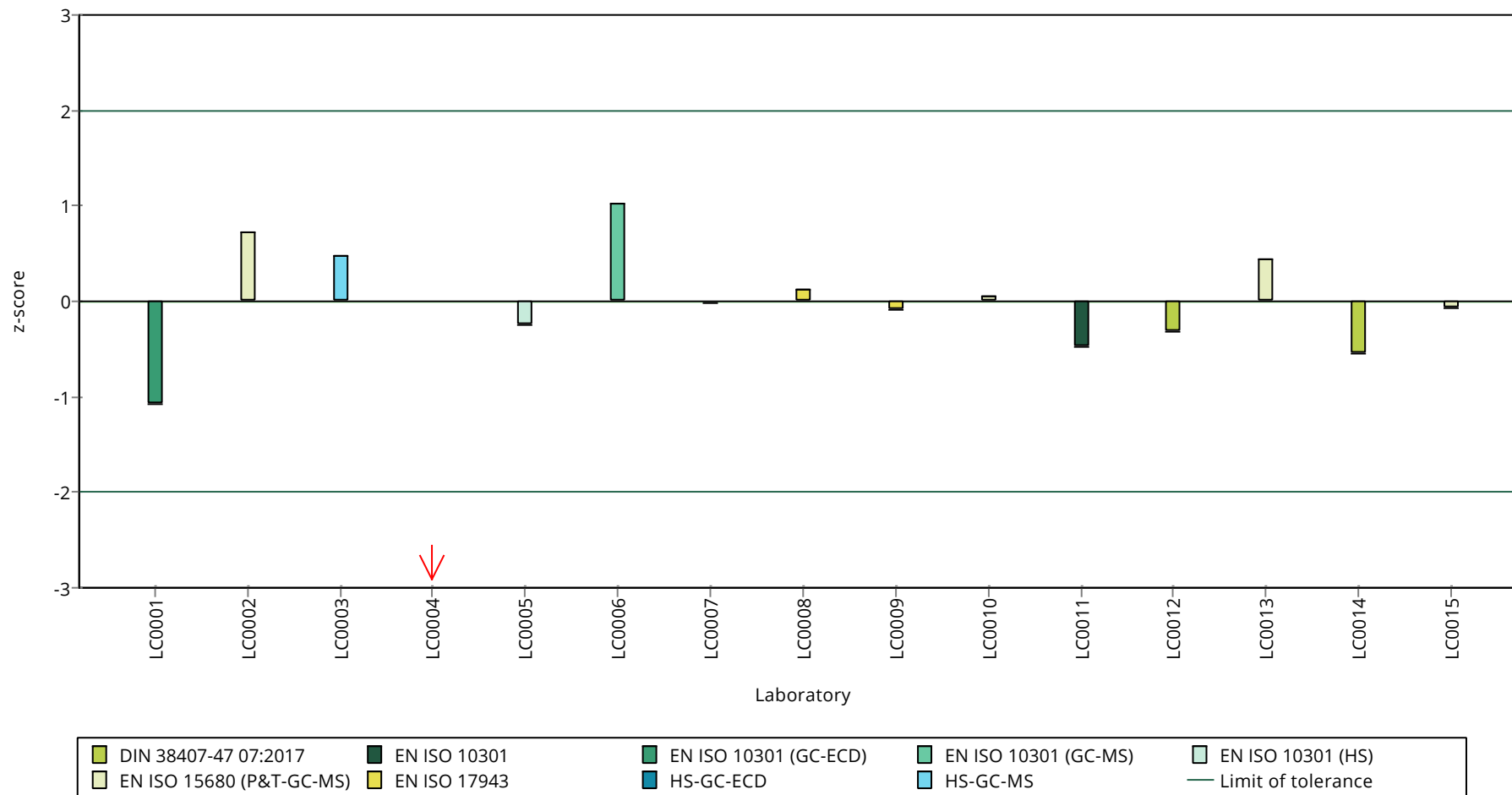
Results



Recovery rate



z-Score



Parameter oriented report Volatile halogenated hydrocarbons (VHH) - C75

Sample: C75A, Parameter: trans-1,2-Dichloroethene

Parameter oriented report

C75 A

trans-1,2-Dichloroethene

Unit	µg/l
Assigned value ± U (k=2)	0.608 ± 0.0587
Criterion	0.122 (20 %)
Minimum - Maximum	0.442 - 0.786
Control test value ± U (k=2)	0.566 ± 0.142

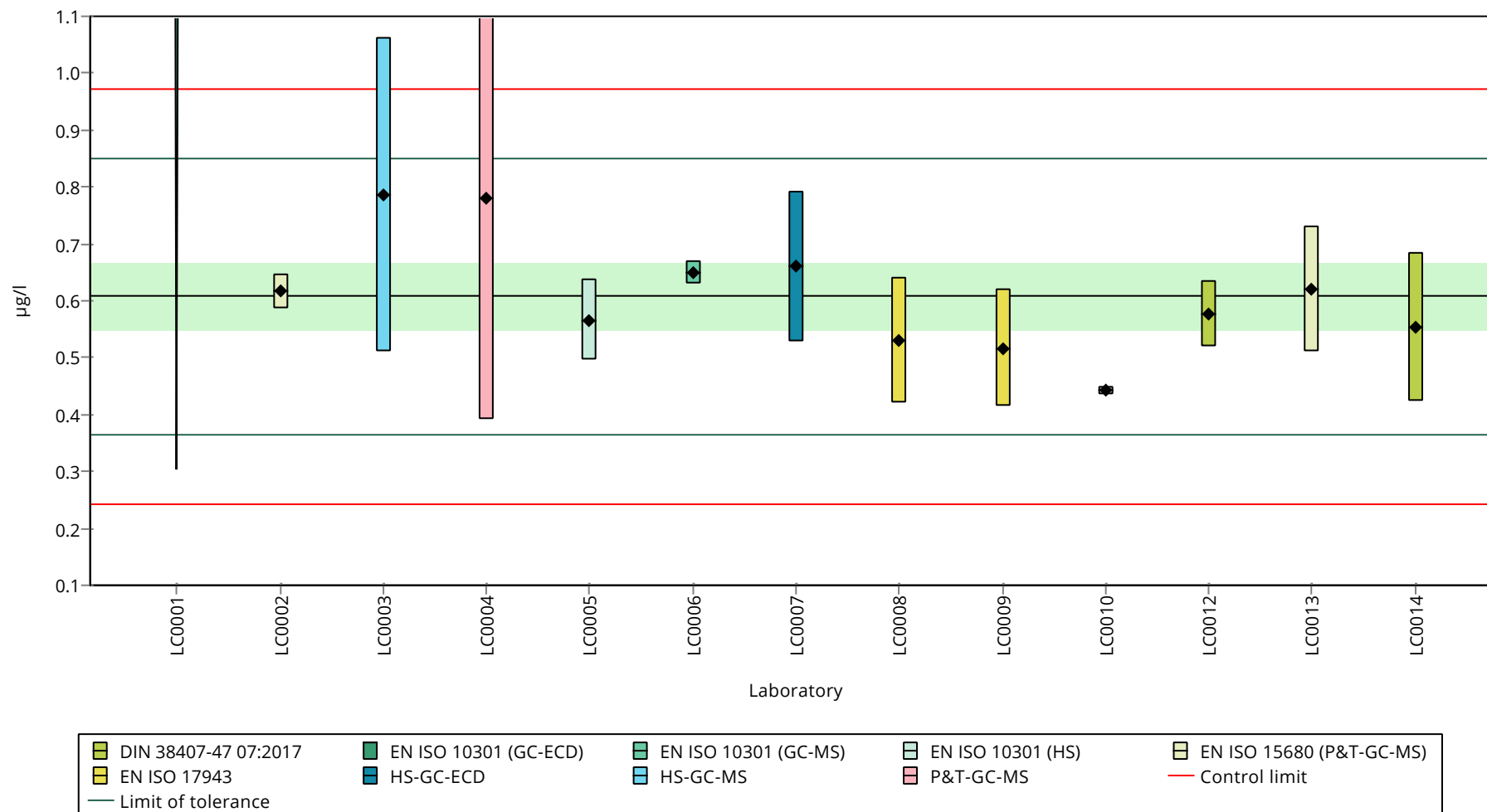
Labcode	Result ± U	Recovery [%]	z-Score	Comments
LC0001	< 3 (LOQ) ± -	-	-	
LC0002	0.616 ± 0.031	101	0.07	
LC0003	0.786 ± 0.275	129	1.46	
LC0004	0.78 ± 0.39	128	1.41	
LC0005	0.566 ± 0.071	93.1	-0.35	
LC0006	0.65 ± 0.02	107	0.34	
LC0007	0.66 ± 0.132	109	0.43	
LC0008	0.53 ± 0.11	87.2	-0.64	
LC0009	0.516 ± 0.103	84.9	-0.76	
LC0010	0.442 ± 0.008	72.7	-1.37	
LC0011	- ± -	-	-	
LC0012	0.577 ± 0.058	94.9	-0.26	
LC0013	0.62 ± 0.11	102	0.1	
LC0014	0.554 ± 0.13	91.1	-0.44	
LC0015	- ± -	-	-	

Characteristics of parameter

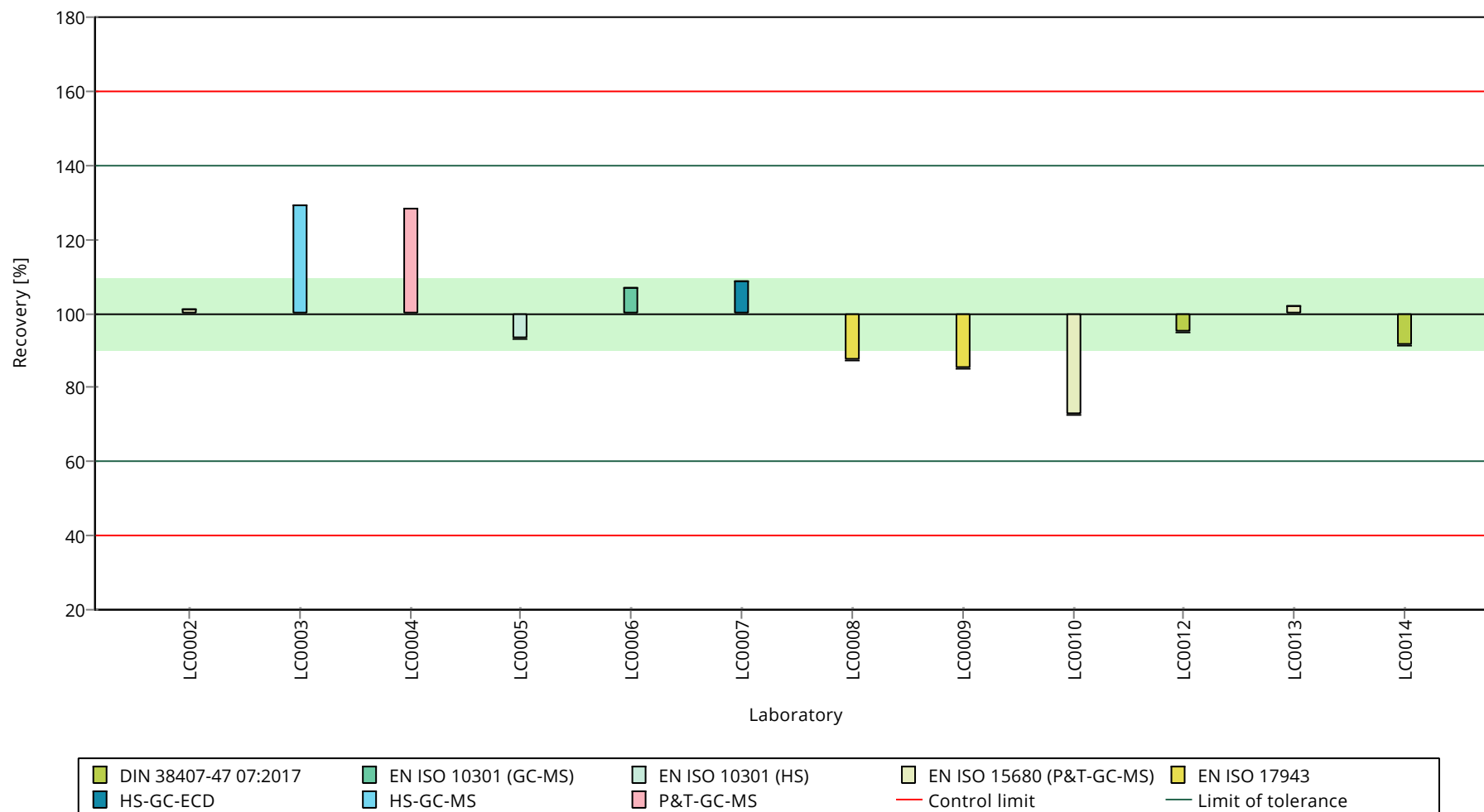
	all results	without outliers	Unit
Mean ± CI (99%)	0.608 ± 0.088	0.608 ± 0.088	µg/l
Minimum	0.442	0.442	µg/l
Maximum	0.786	0.786	µg/l
Standard deviation	0.102	0.102	µg/l
rel. standard deviation	16.7	16.7	%
n	12	12	-

Graphical presentation of results

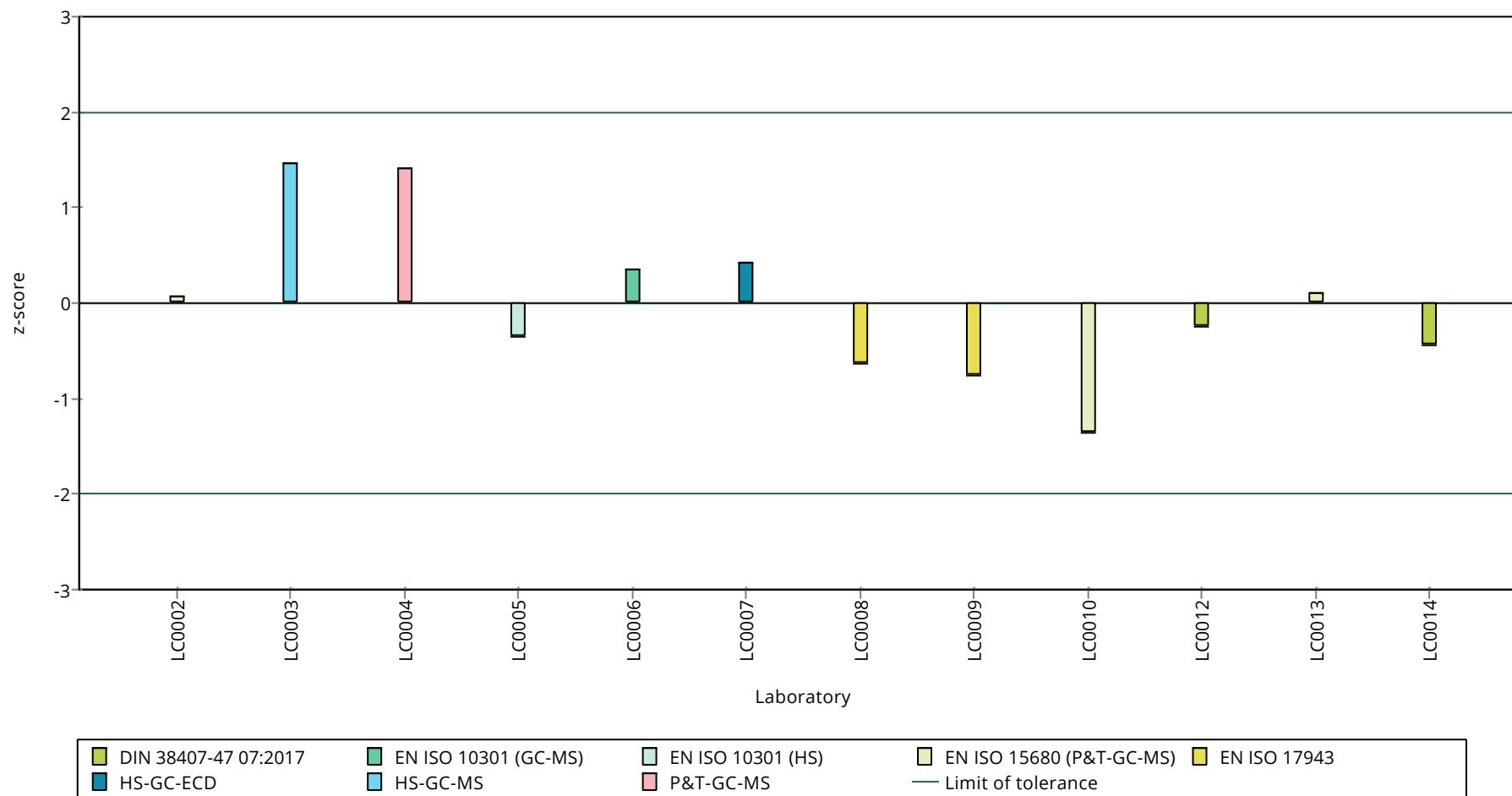
Results



Recovery rate



z-Score



Parameter oriented report Volatile halogenated hydrocarbons (VHH) - C75

Sample: C75B, Parameter: trans-1,2-Dichloroethene

Parameter oriented report

C75 B

trans-1,2-Dichloroethene

Unit	µg/l
Assigned value ± U (k=2)	2.32 ± 0.133
Criterion	0.465 (20 %)
Minimum - Maximum	1.95 - 2.75
Control test value ± U (k=2)	2.46 ± 0.616

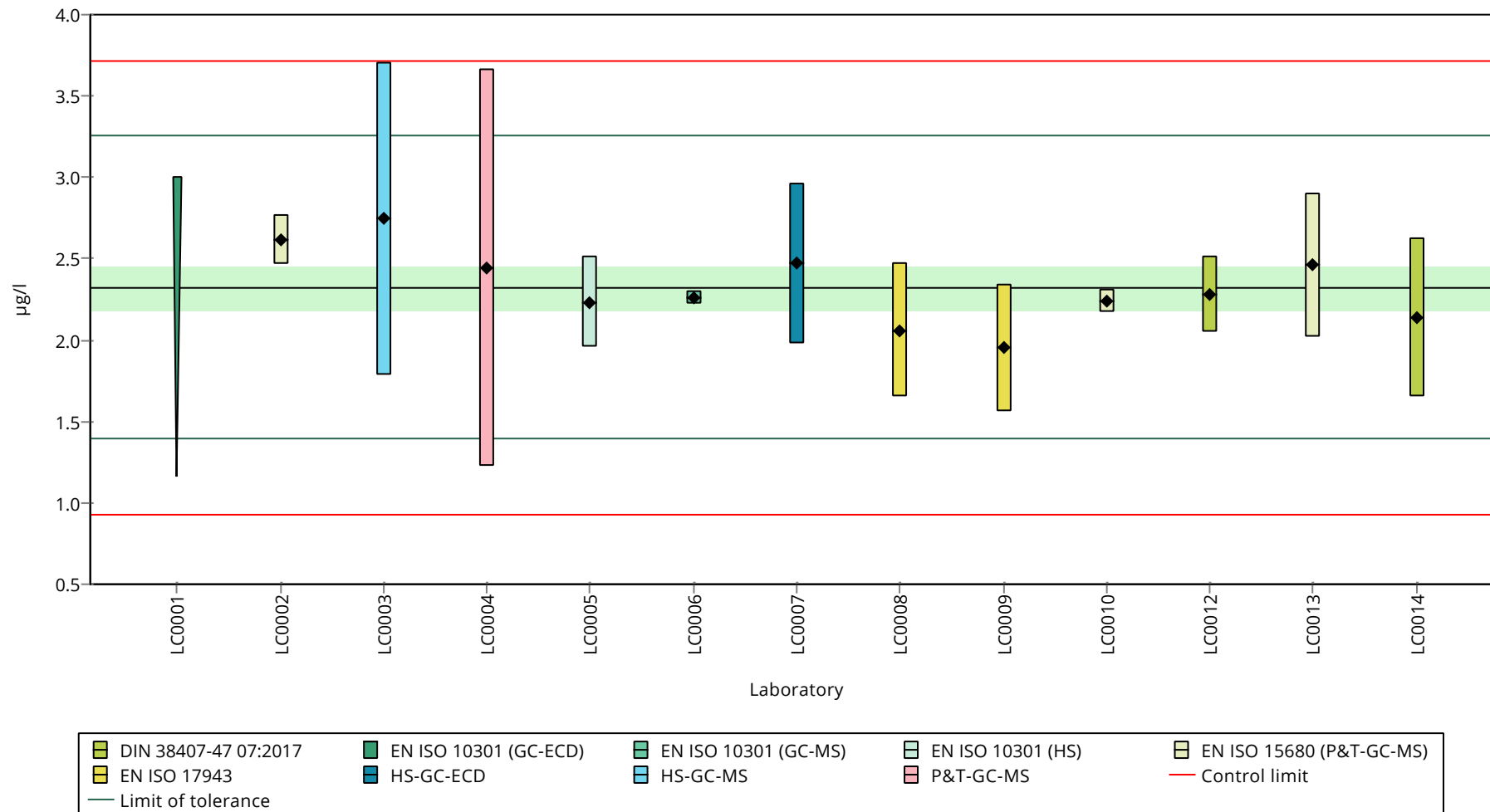
Labcode	Result ± U	Recovery [%]	z-Score	Comments
LC0001	< 3 (LOQ) ± -	-	-	
LC0002	2.62 ± 0.152	113	0.64	
LC0003	2.745 ± 0.961	118	0.9	
LC0004	2.44 ± 1.22	105	0.25	
LC0005	2.23 ± 0.28	95.9	-0.2	
LC0006	2.26 ± 0.04	97.2	-0.14	
LC0007	2.47 ± 0.494	106	0.31	
LC0008	2.06 ± 0.41	88.6	-0.57	
LC0009	1.95 ± 0.39	83.9	-0.81	
LC0010	2.24 ± 0.07	96.4	-0.18	
LC0011	- ± -	-	-	
LC0012	2.28 ± 0.23	98.1	-0.1	
LC0013	2.46 ± 0.44	106	0.29	
LC0014	2.14 ± 0.49	92.1	-0.4	
LC0015	- ± -	-	-	

Characteristics of parameter

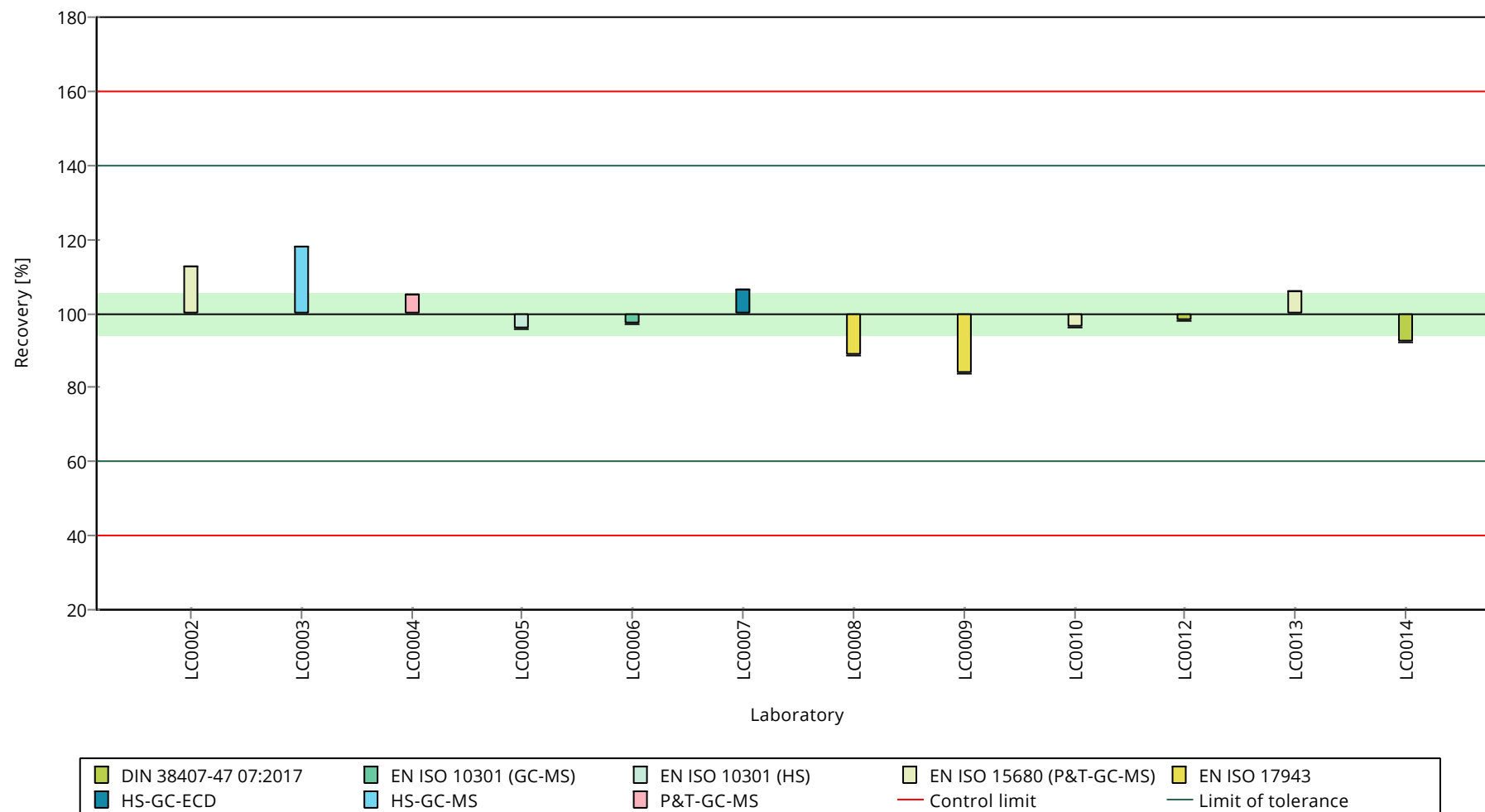
	all results	without outliers	Unit
Mean ± CI (99%)	2.32 ± 0.199	2.32 ± 0.199	µg/l
Minimum	1.95	1.95	µg/l
Maximum	2.75	2.75	µg/l
Standard deviation	0.23	0.23	µg/l
rel. standard deviation	9.91	9.91	%
n	12	12	-

Graphical presentation of results

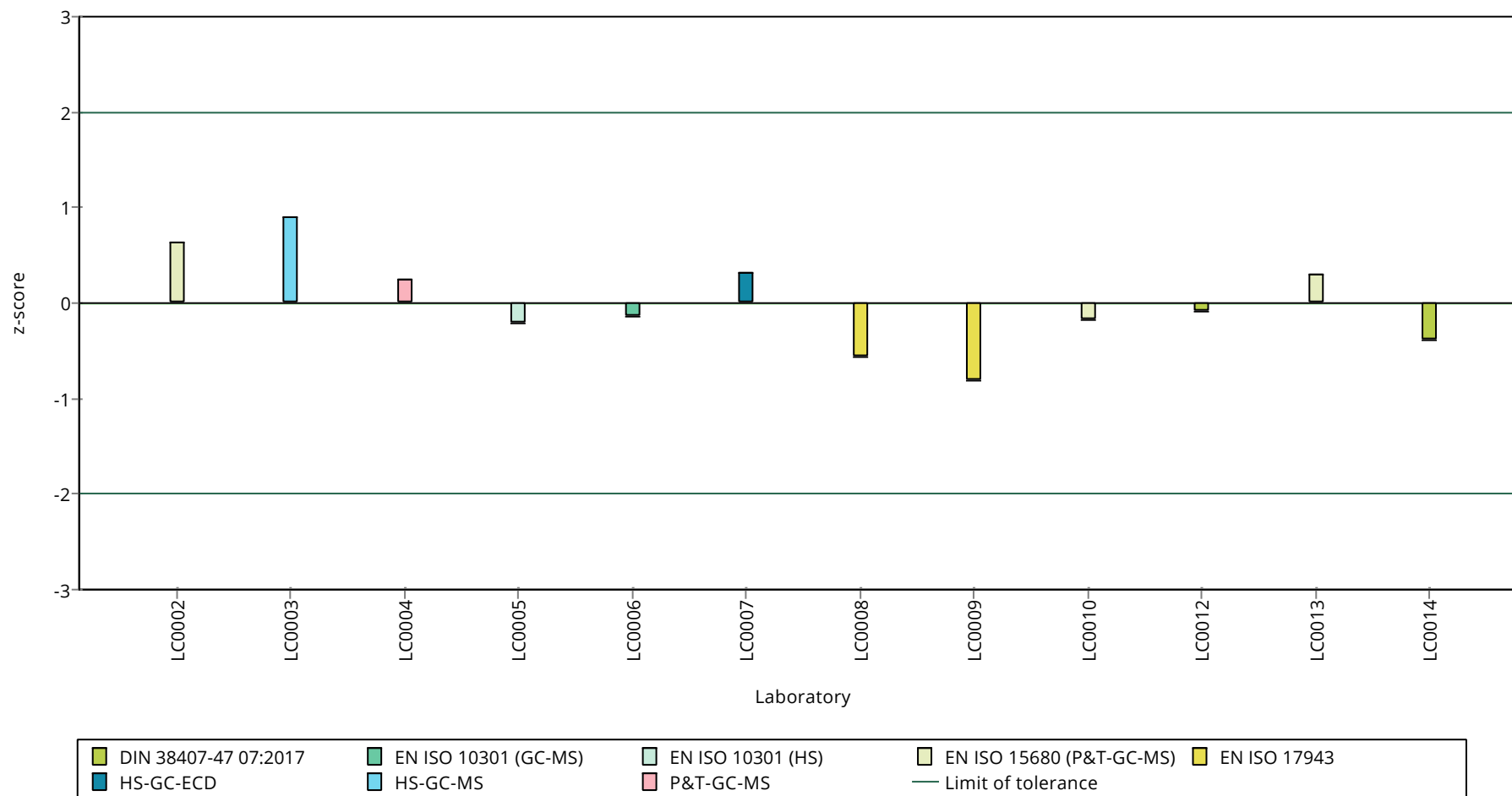
Results



Recovery rate



z-Score



Parameter oriented report Volatile halogenated hydrocarbons (VHH) - C75

Sample: C75A, Parameter: Tribromomethane

Parameter oriented report

C75 A

Tribromomethane

Unit	µg/l
Assigned value ± U (k=2)	2 ± 0.2
Criterion	0.341 (17 %)
Minimum - Maximum	1.57 - 2.86
Control test value ± U (k=2)	1.93 ± 0.58

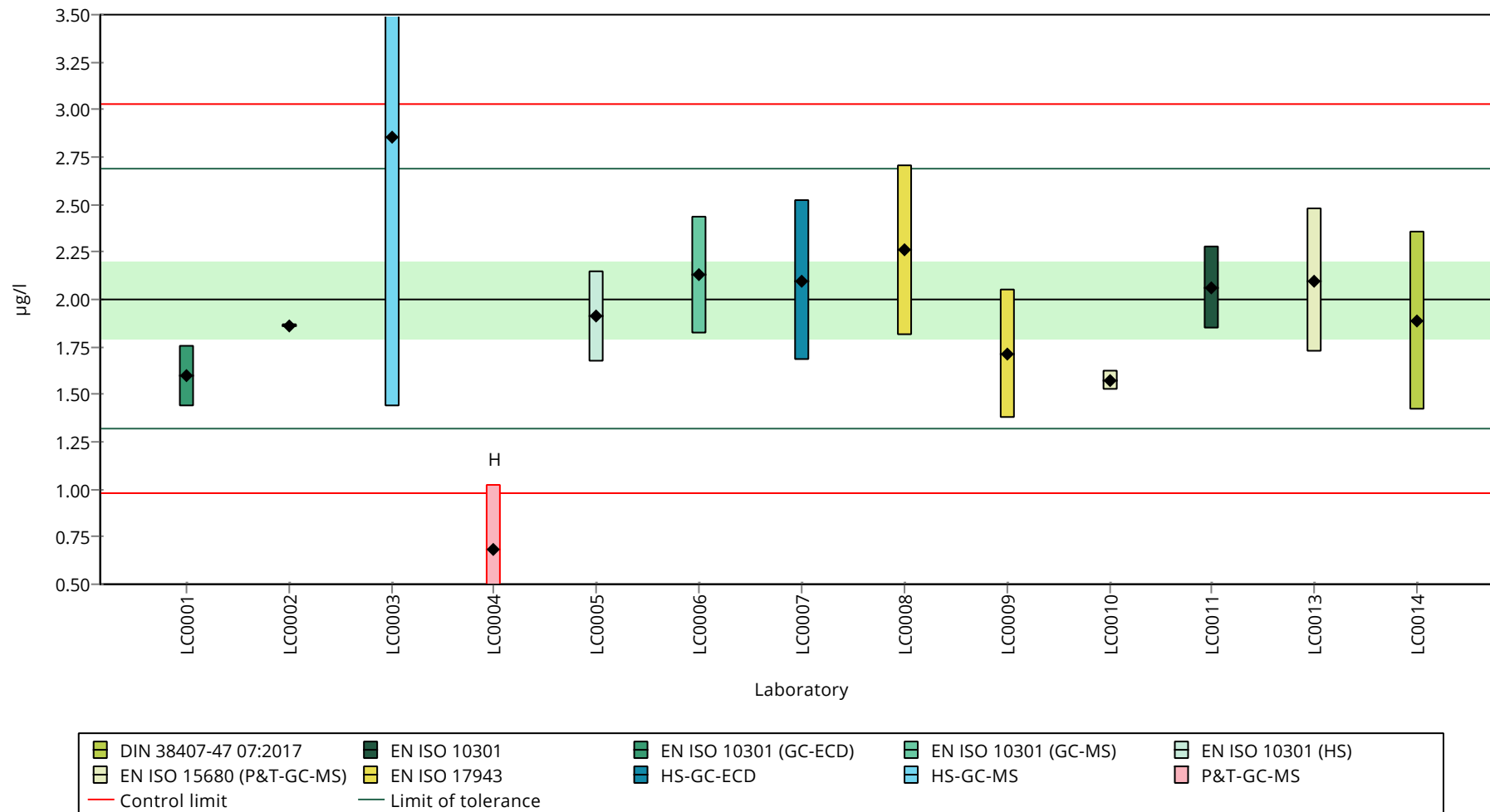
Labcode	Result ± U	Recovery [%]	z-Score	Comments
LC0001	1.595 ± 0.159	79.6	-1.2	
LC0002	1.86 ± 0.006	92.8	-0.42	
LC0003	2.859 ± 1.429	143	2.51	
LC0004	0.68 ± 0.34	33.9	-3.89	H
LC0005	1.91 ± 0.24	95.3	-0.27	
LC0006	2.13 ± 0.31	106	0.37	
LC0007	2.1 ± 0.42	105	0.28	
LC0008	2.26 ± 0.45	113	0.75	
LC0009	1.71 ± 0.34	85.3	-0.86	
LC0010	1.57 ± 0.053	78.4	-1.27	
LC0011	2.06 ± 0.22	103	0.17	
LC0012	- ± -	-	-	
LC0013	2.1 ± 0.38	105	0.28	
LC0014	1.89 ± 0.47	94.3	-0.33	
LC0015	- ± -	-	-	

Characteristics of parameter

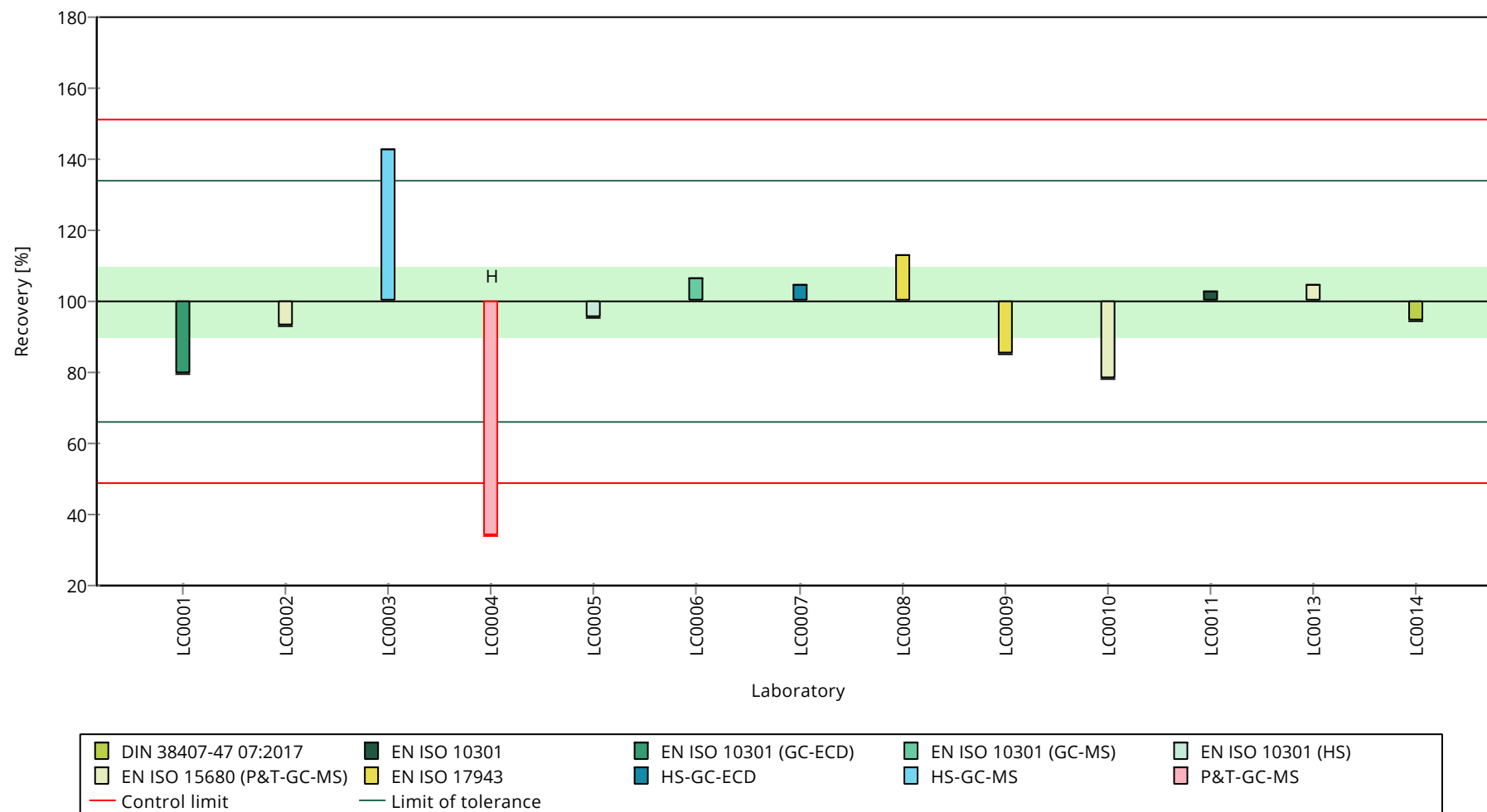
	all results	without outliers	Unit
Mean ± CI (99%)	1.9 ± 0.412	2 ± 0.3	µg/l
Minimum	0.68	1.57	µg/l
Maximum	2.86	2.86	µg/l
Standard deviation	0.495	0.346	µg/l
rel. standard deviation	26	17.3	%
n	13	12	-

Graphical presentation of results

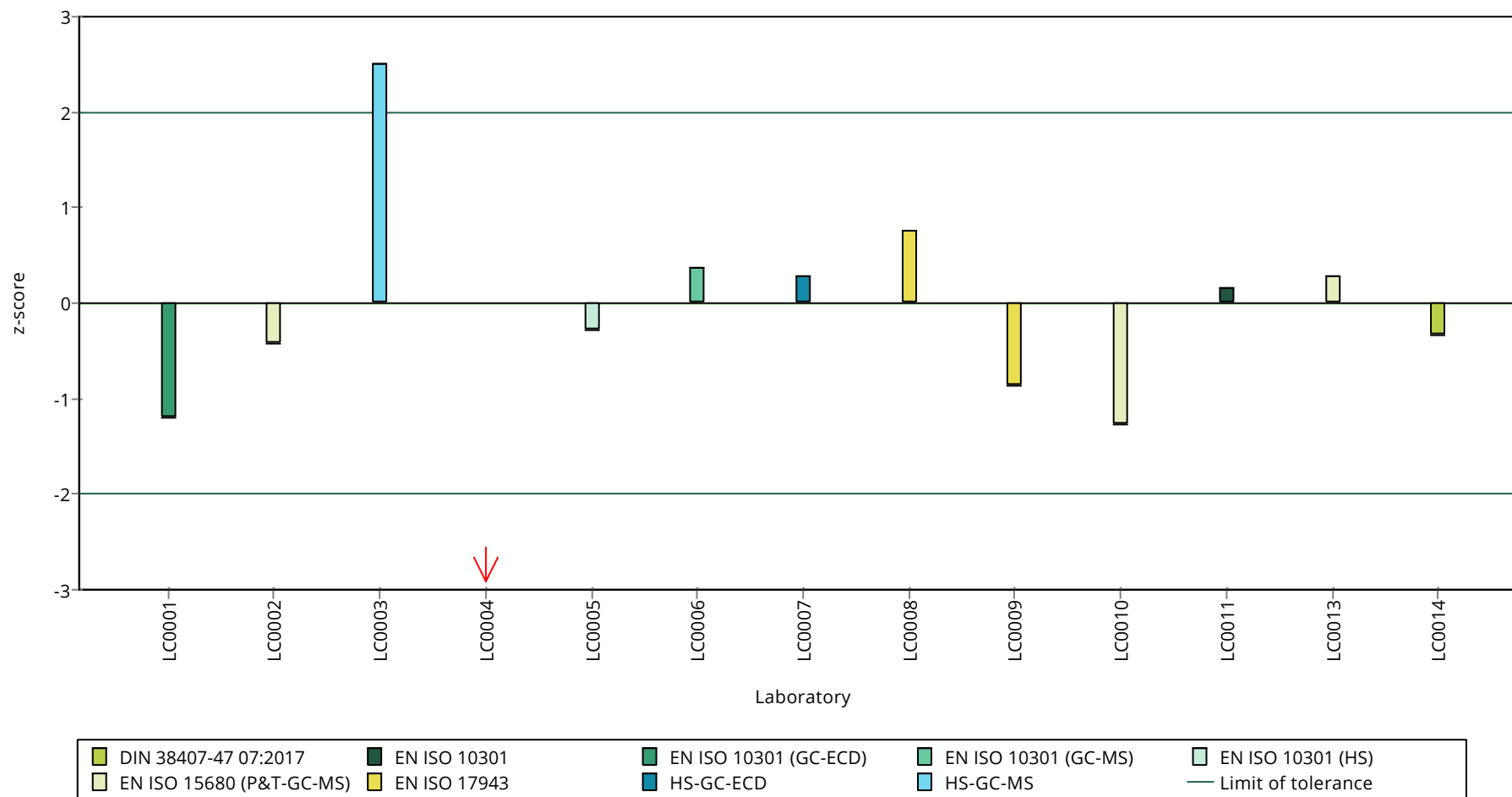
Results



Recovery rate



z-Score



Parameter oriented report Volatile halogenated hydrocarbons (VHH) - C75

Sample: C75B, Parameter: Tribromomethane

Parameter oriented report

C75 B

Tribromomethane

Unit	µg/l
Assigned value ± U (k=2)	7.69 ± 0.752
Criterion	1.31 (17 %)
Minimum - Maximum	5.9 - 10.9
Control test value ± U (k=2)	6.72 ± 2.02

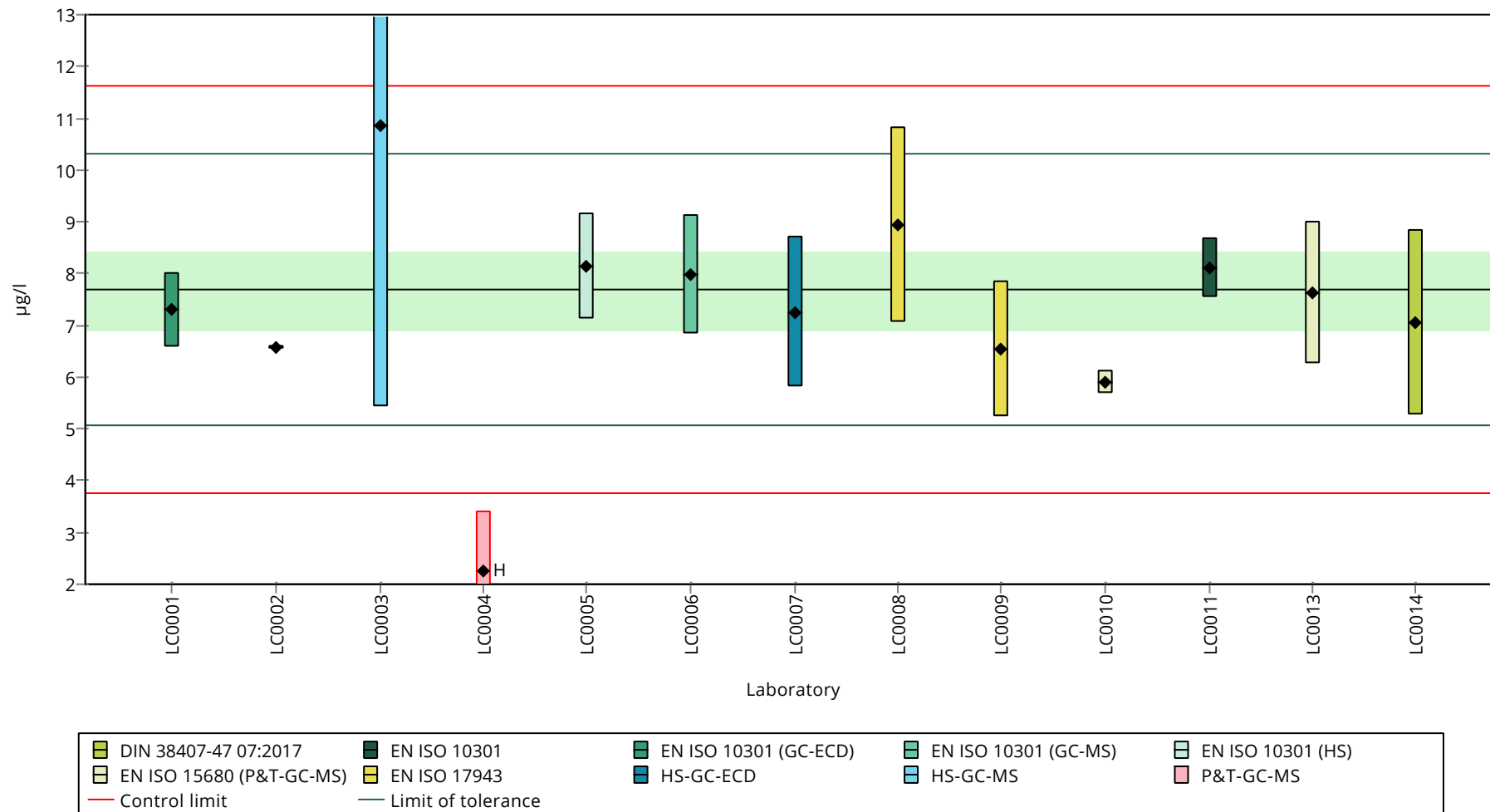
Labcode	Result ± U	Recovery [%]	z-Score	Comments
LC0001	7.295 ± 0.729	94.9	-0.3	
LC0002	6.57 ± 0.032	85.4	-0.86	
LC0003	10.869 ± 5.434	141	2.43	
LC0004	2.27 ± 1.135	29.5	-4.15	H
LC0005	8.14 ± 1.02	106	0.34	
LC0006	7.98 ± 1.16	104	0.22	
LC0007	7.25 ± 1.45	94.3	-0.34	
LC0008	8.94 ± 1.89	116	0.96	
LC0009	6.55 ± 1.31	85.2	-0.87	
LC0010	5.9 ± 0.217	76.7	-1.37	
LC0011	8.11 ± 0.58	105	0.32	
LC0012	- ± -	-	-	
LC0013	7.63 ± 1.37	99.2	-0.05	
LC0014	7.05 ± 1.8	91.7	-0.49	
LC0015	- ± -	-	-	

Characteristics of parameter

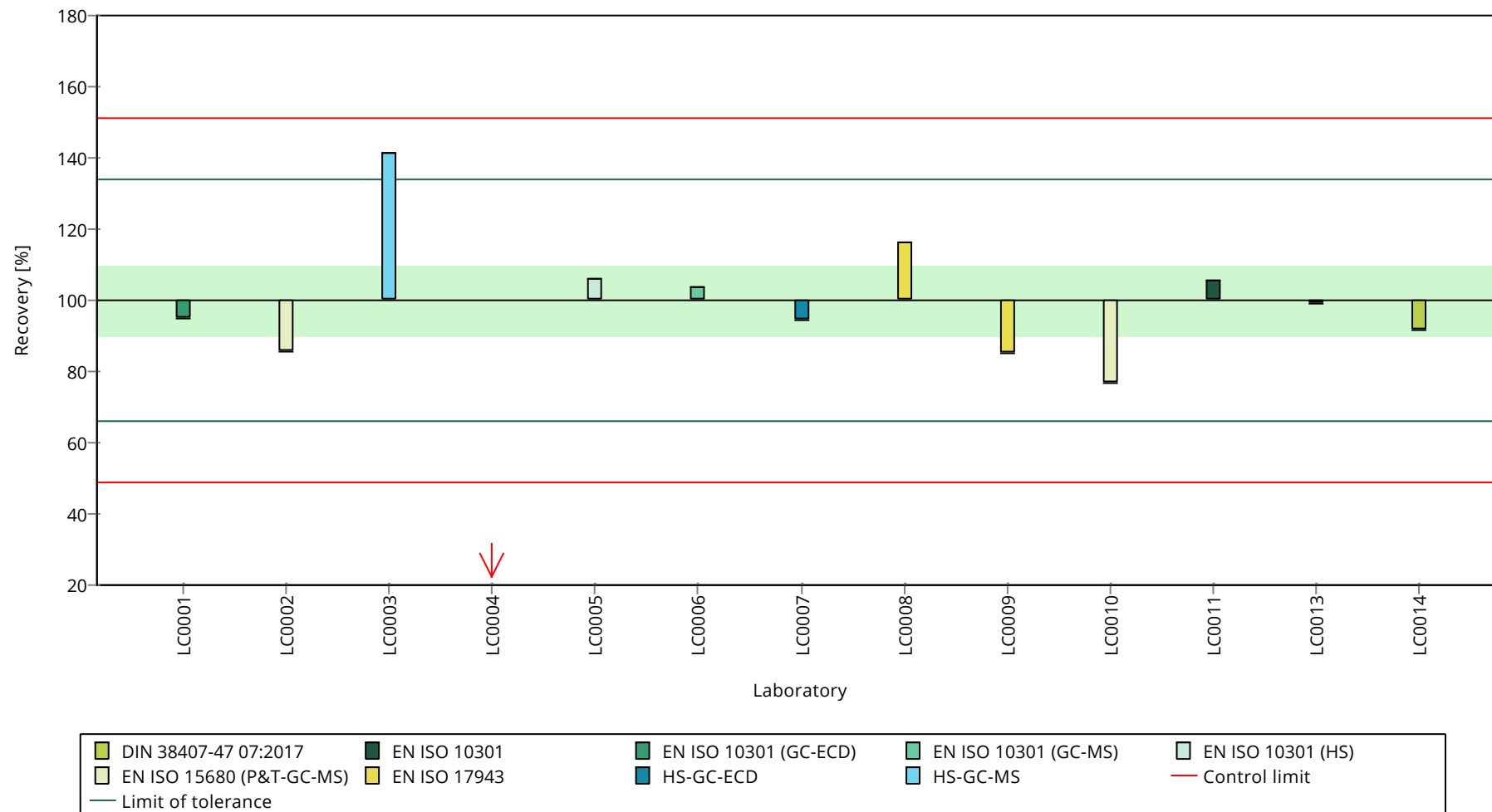
	all results	without outliers	Unit
Mean ± CI (99%)	7.27 ± 1.63	7.69 ± 1.13	µg/l
Minimum	2.27	5.9	µg/l
Maximum	10.9	10.9	µg/l
Standard deviation	1.95	1.3	µg/l
rel. standard deviation	26.9	16.9	%
n	13	12	-

Graphical presentation of results

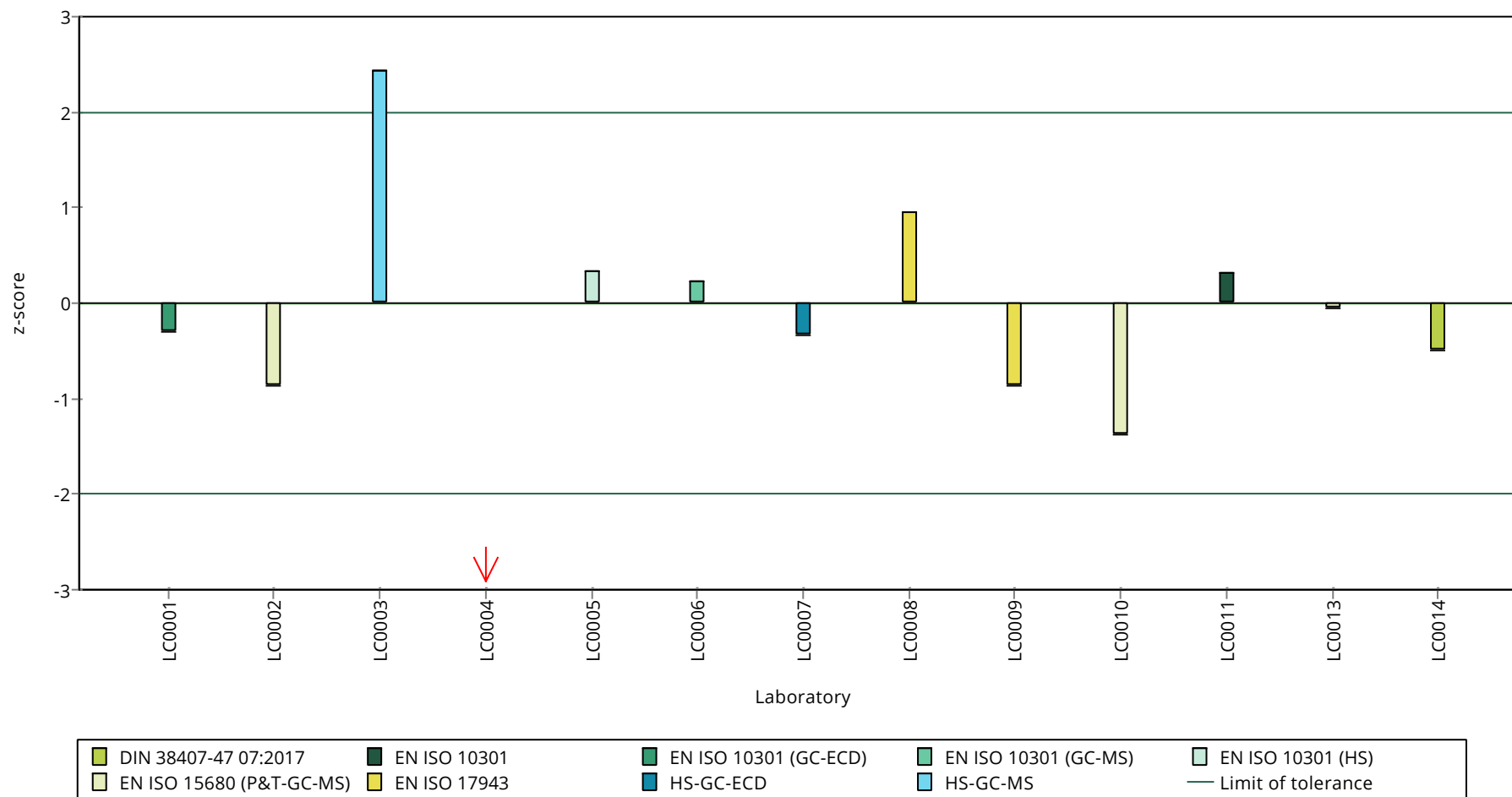
Results



Recovery rate



z-Score



Parameter oriented report Volatile halogenated hydrocarbons (VHH) - C75

Sample: C75A, Parameter: Trichloroethene

Parameter oriented report

C75 A

Trichloroethene

Unit	µg/l
Assigned value ± U (k=2)	1.16 ± 0.127
Criterion	0.243 (21 %)
Minimum - Maximum	0.75 - 1.84
Control test value ± U (k=2)	1.17 ± 0.27

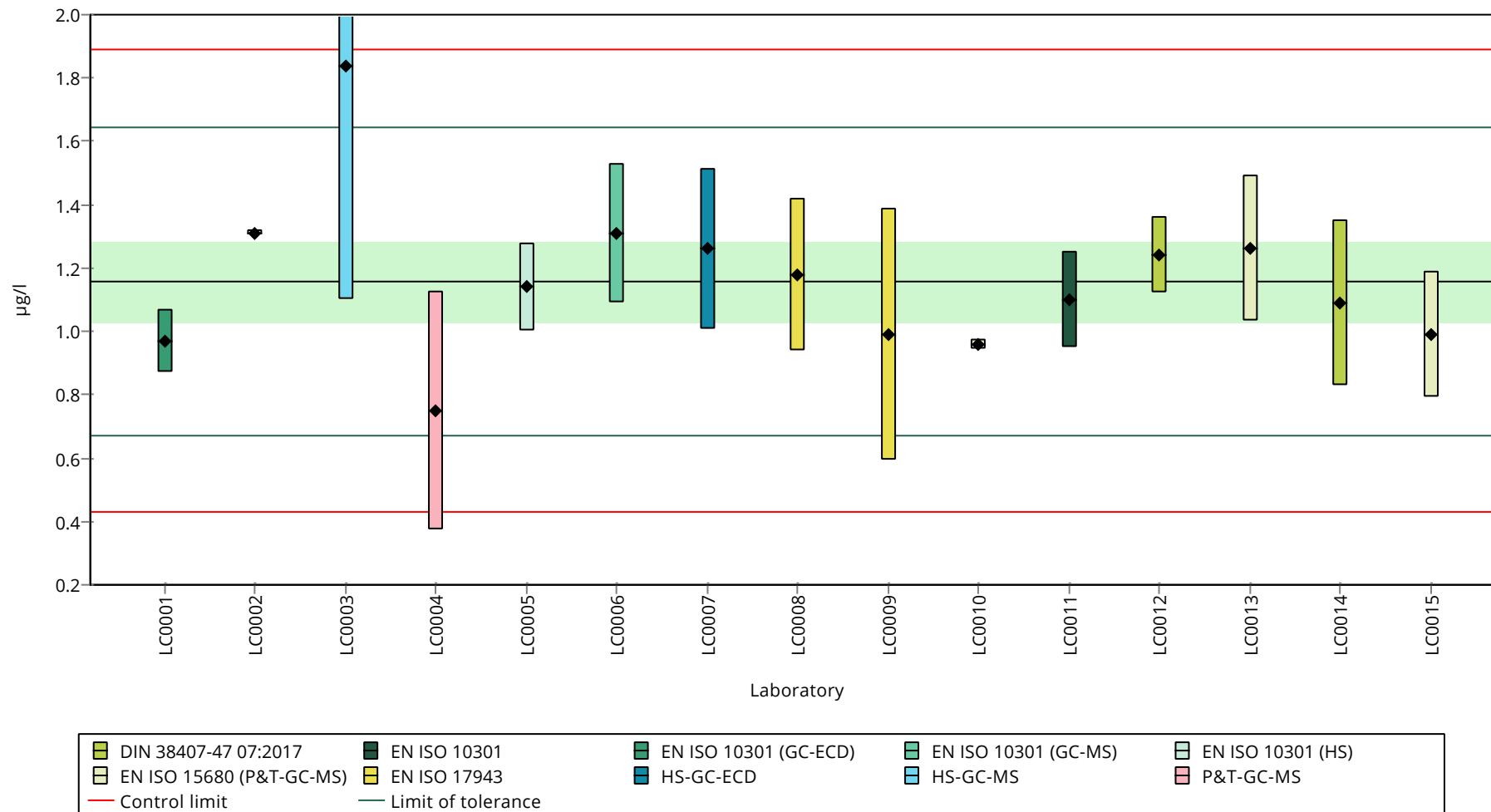
Labcode	Result ± U	Recovery [%]	z-Score	Comments
LC0001	0.9693 ± 0.097	83.6	-0.78	
LC0002	1.31 ± 0.008	113	0.62	
LC0003	1.837 ± 0.735	158	2.79	
LC0004	0.75 ± 0.375	64.7	-1.68	
LC0005	1.14 ± 0.14	98.4	-0.08	
LC0006	1.31 ± 0.22	113	0.62	
LC0007	1.26 ± 0.252	109	0.41	
LC0008	1.18 ± 0.24	102	0.09	
LC0009	0.992 ± 0.397	85.6	-0.69	
LC0010	0.958 ± 0.014	82.7	-0.83	
LC0011	1.1 ± 0.15	94.9	-0.24	
LC0012	1.24 ± 0.12	107	0.33	
LC0013	1.26 ± 0.23	109	0.41	
LC0014	1.09 ± 0.26	94	-0.28	
LC0015	0.989 ± 0.19774	85.3	-0.7	

Characteristics of parameter

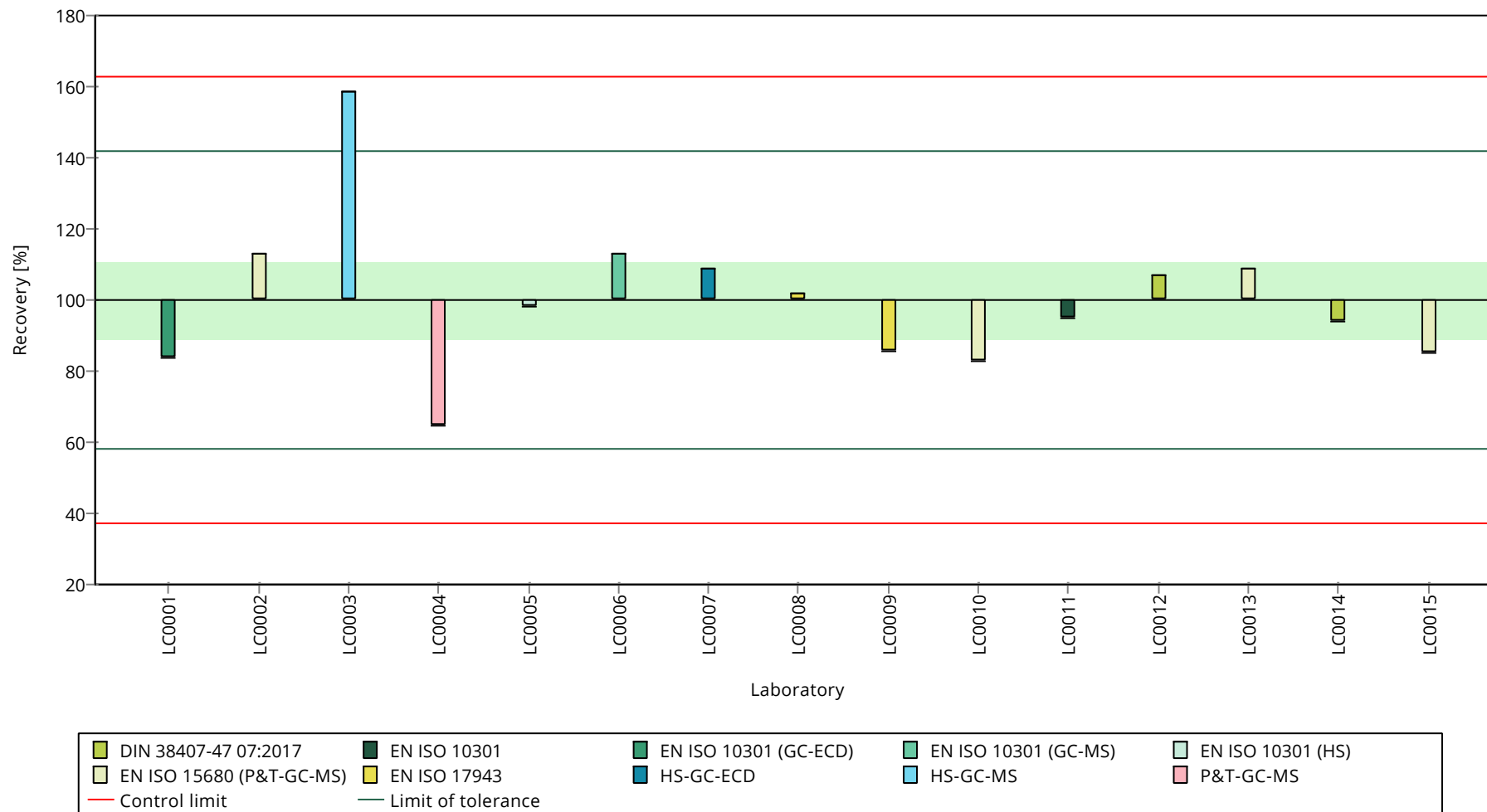
	all results	without outliers	Unit
Mean ± CI (99%)	1.16 ± 0.19	1.16 ± 0.19	µg/l
Minimum	0.75	0.75	µg/l
Maximum	1.84	1.84	µg/l
Standard deviation	0.245	0.245	µg/l
rel. standard deviation	21.2	21.2	%
n	15	15	-

Graphical presentation of results

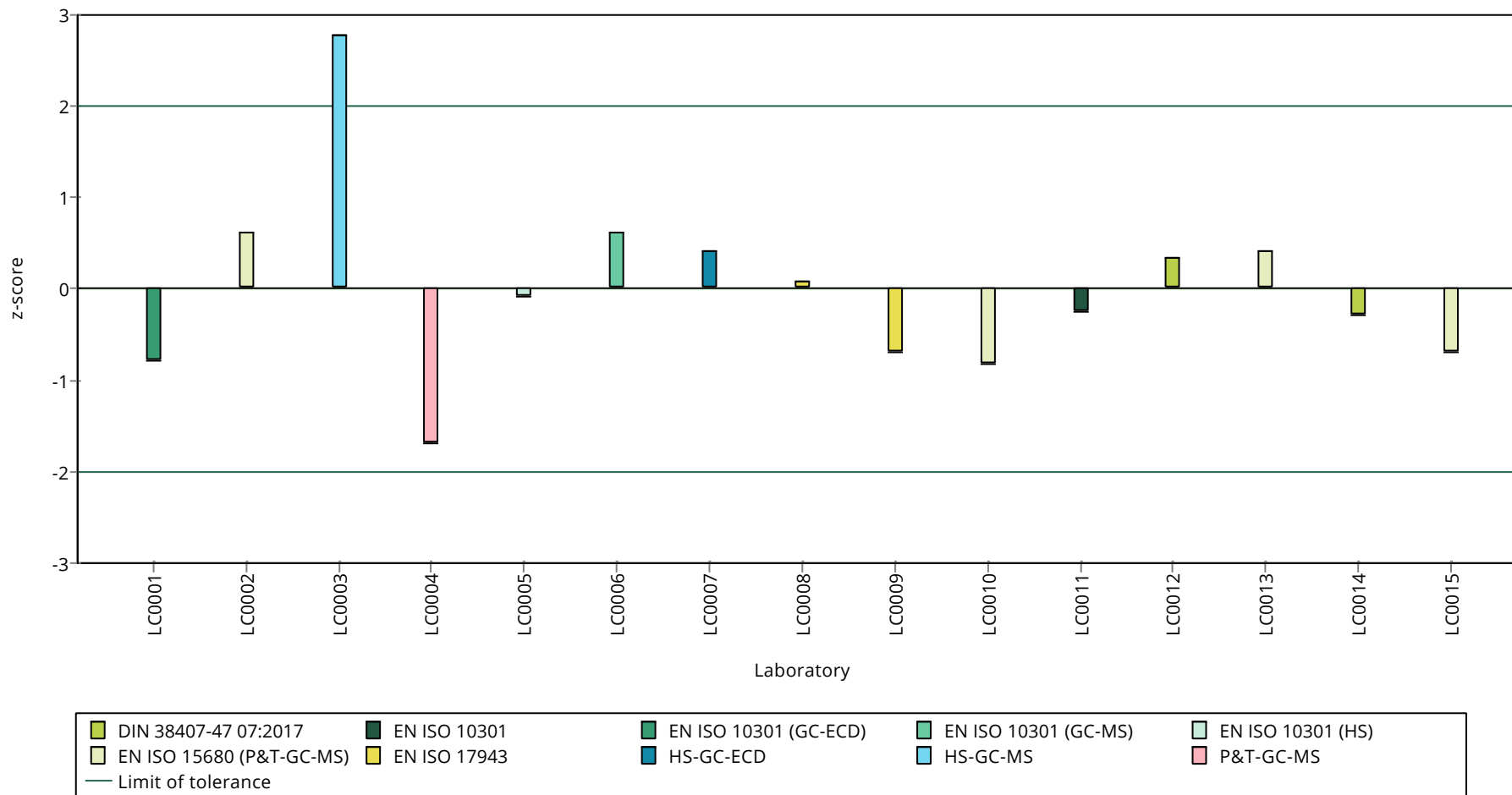
Results



Recovery rate



z-Score



Parameter oriented report Volatile halogenated hydrocarbons (VHH) - C75

Sample: C75B, Parameter: Trichloroethene

Parameter oriented report

C75 B

Trichloroethene

Unit	µg/l
Assigned value ± U (k=2)	4.36 ± 0.228
Criterion	0.654 (15 %)
Minimum - Maximum	3.58 - 4.95
Control test value ± U (k=2)	4.62 ± 1.06

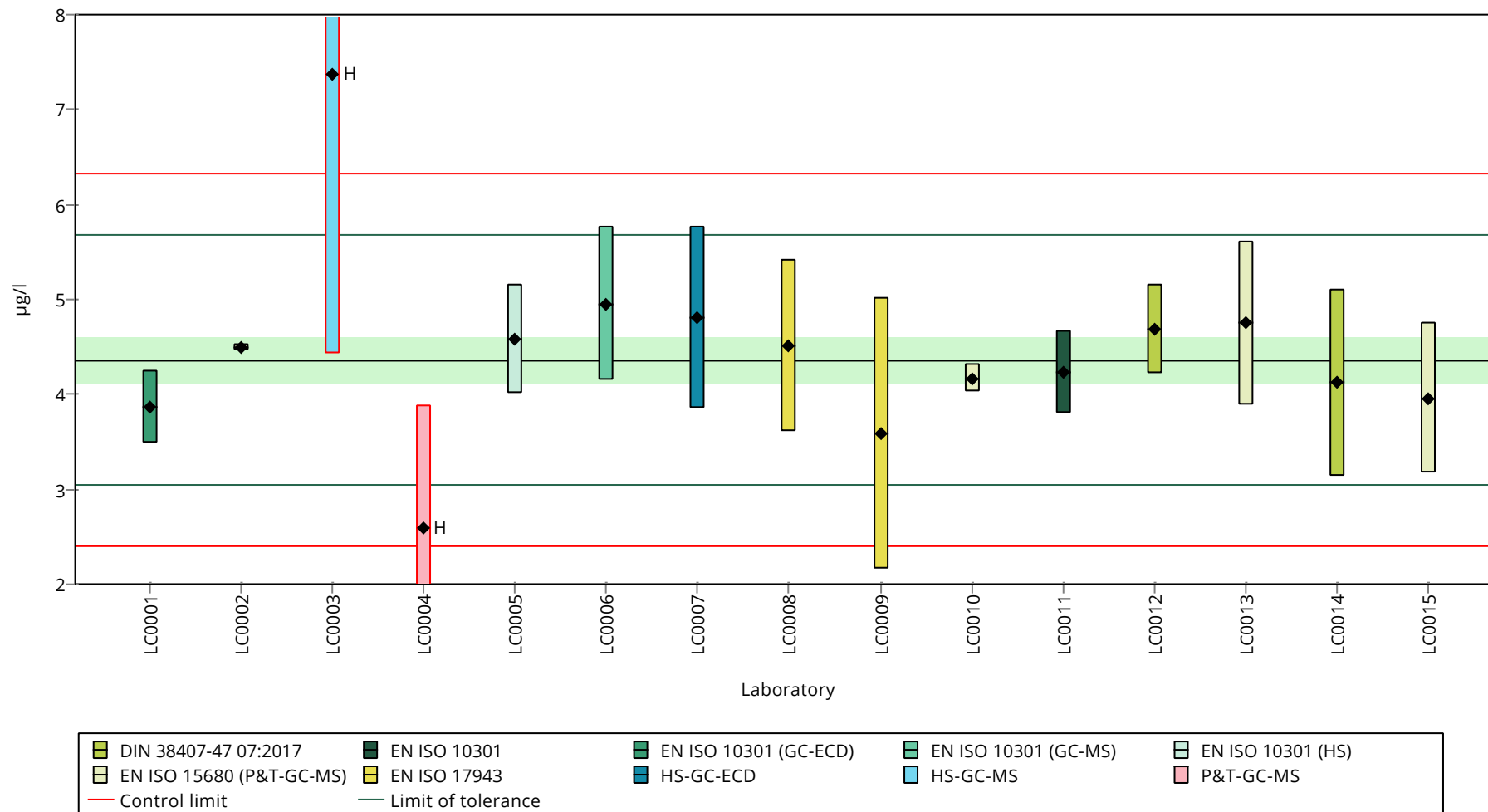
Labcode	Result ± U	Recovery [%]	z-Score	Comments
LC0001	3.865 ± 0.386	88.6	-0.76	
LC0002	4.5 ± 0.037	103	0.21	
LC0003	7.374 ± 2.95	169	4.6	H
LC0004	2.59 ± 1.295	59.4	-2.71	H
LC0005	4.58 ± 0.57	105	0.33	
LC0006	4.95 ± 0.81	113	0.9	
LC0007	4.81 ± 0.962	110	0.68	
LC0008	4.51 ± 0.9	103	0.22	
LC0009	3.58 ± 1.43	82.1	-1.2	
LC0010	4.17 ± 0.148	95.6	-0.29	
LC0011	4.23 ± 0.44	97	-0.2	
LC0012	4.69 ± 0.47	107	0.5	
LC0013	4.75 ± 0.86	109	0.59	
LC0014	4.12 ± 0.99	94.4	-0.37	
LC0015	3.962 ± 0.792	90.8	-0.61	

Characteristics of parameter

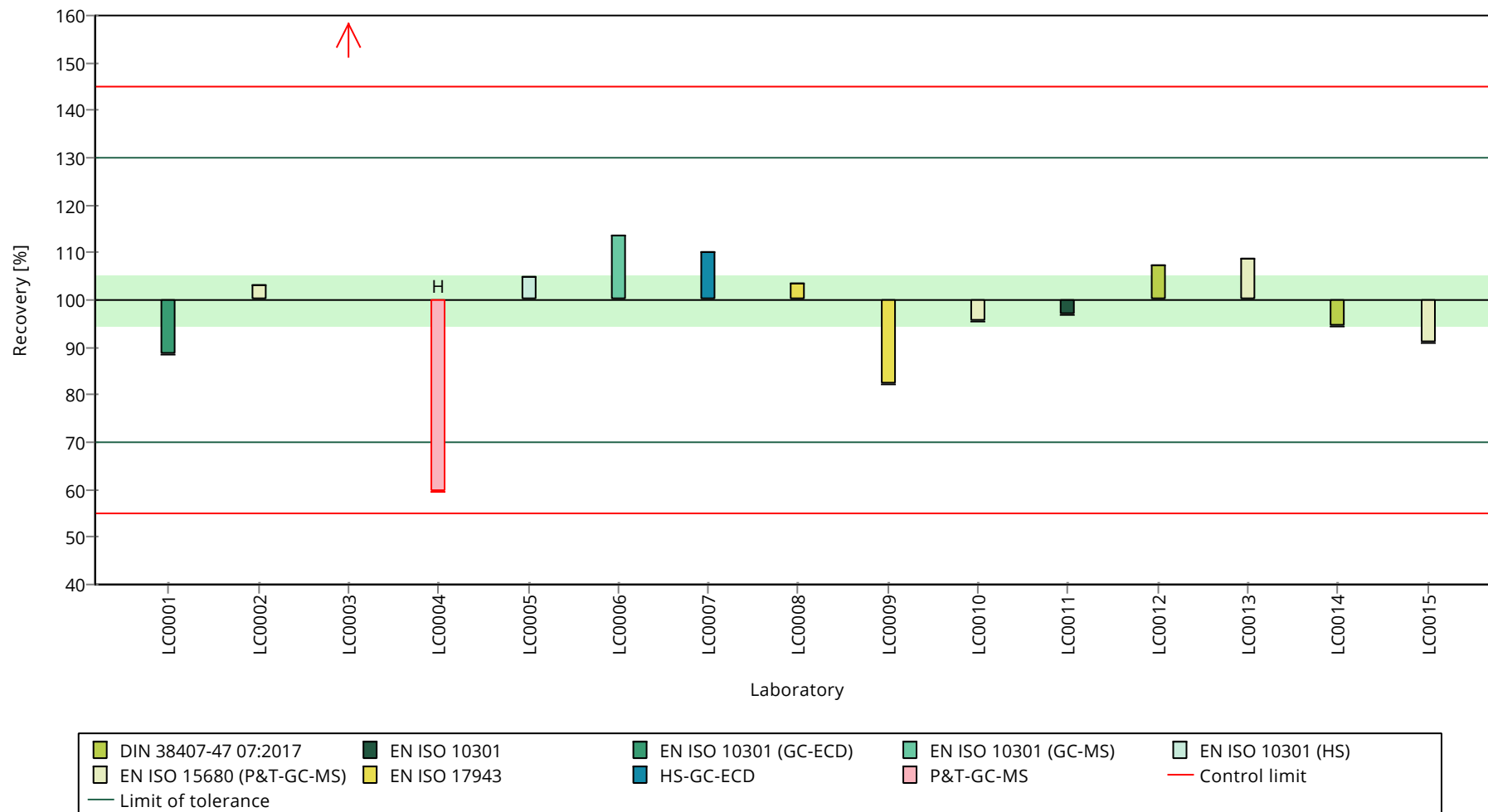
	all results	without outliers	Unit
Mean ± CI (99%)	4.45 ± 0.778	4.36 ± 0.342	µg/l
Minimum	2.59	3.58	µg/l
Maximum	7.37	4.95	µg/l
Standard deviation	1	0.411	µg/l
rel. standard deviation	22.6	9.41	%
n	15	13	-

Graphical presentation of results

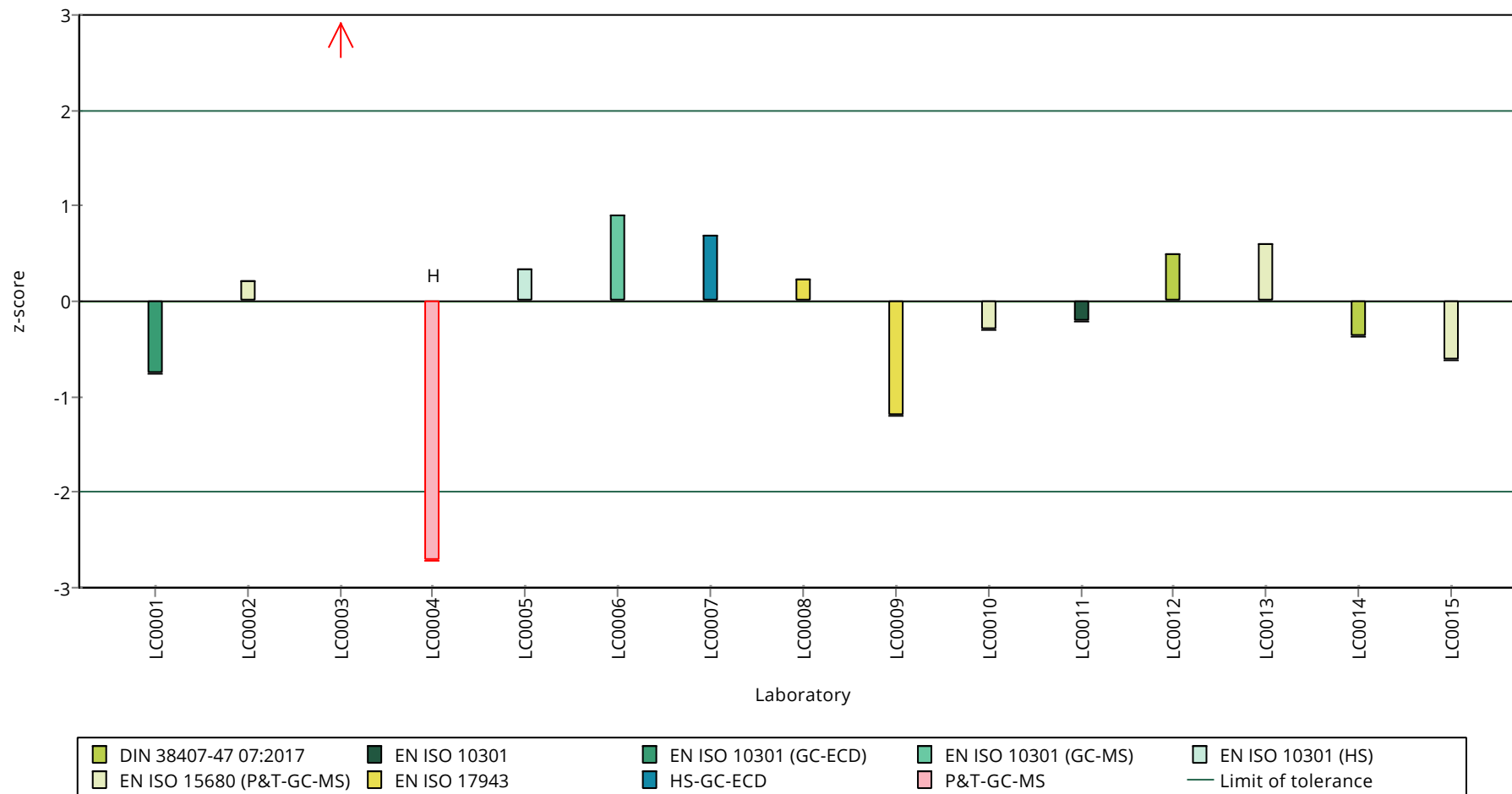
Results



Recovery rate



z-Score



Parameter oriented report

C75 A

Trichloromethane

Unit	µg/l
Assigned value ± U (k=2)	1.38 ± 0.0895
Criterion	0.179 (13 %)
Minimum - Maximum	1.09 - 1.66
Control test value ± U (k=2)	1.32 ± 0.331

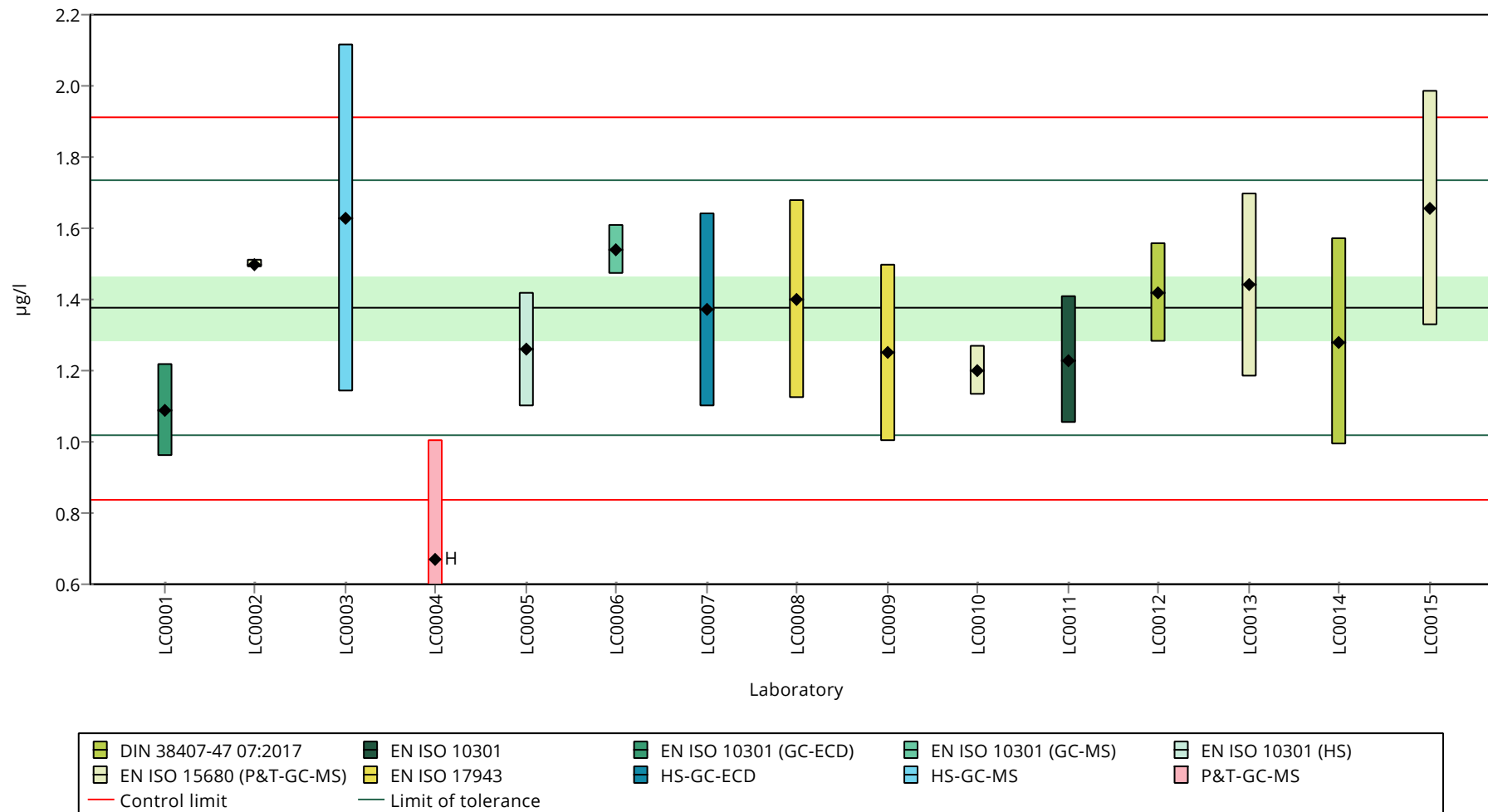
Labcode	Result ± U	Recovery [%]	z-Score	Comments
LC0001	1.088 ± 0.131	79.1	-1.61	
LC0002	1.5 ± 0.011	109	0.69	
LC0003	1.629 ± 0.489	118	1.42	
LC0004	0.67 ± 0.335	48.7	-3.95	H
LC0005	1.26 ± 0.16	91.6	-0.65	
LC0006	1.54 ± 0.07	112	0.92	
LC0007	1.37 ± 0.274	99.6	-0.03	
LC0008	1.4 ± 0.28	102	0.13	
LC0009	1.25 ± 0.25	90.9	-0.7	
LC0010	1.2 ± 0.068	87.2	-0.98	
LC0011	1.23 ± 0.18	89.4	-0.82	
LC0012	1.42 ± 0.14	103	0.25	
LC0013	1.44 ± 0.26	105	0.36	
LC0014	1.28 ± 0.29	93	-0.54	
LC0015	1.655 ± 0.33097	120	1.56	

Characteristics of parameter

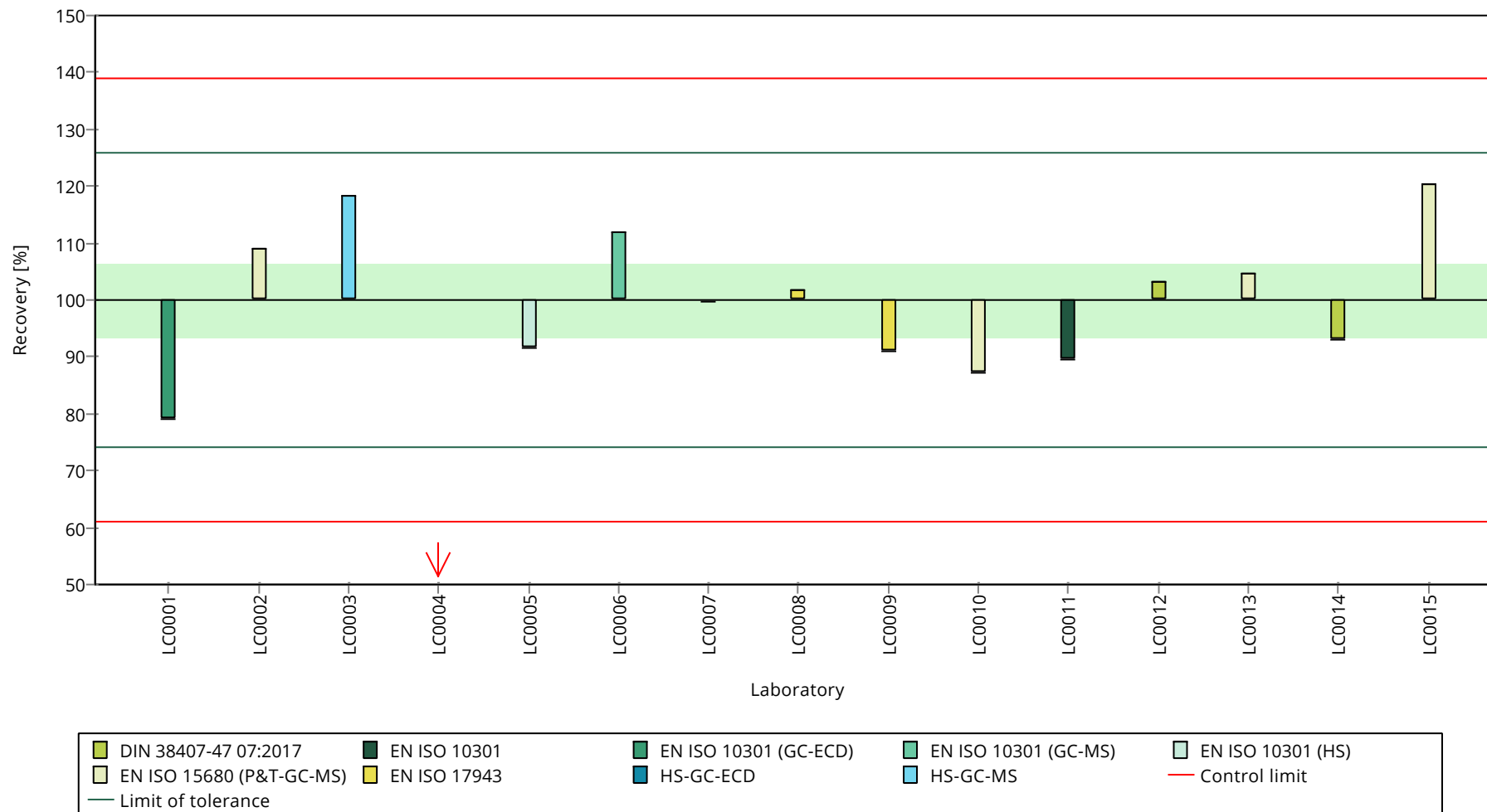
	all results	without outliers	Unit
Mean ± CI (99%)	1.33 ± 0.189	1.38 ± 0.134	µg/l
Minimum	0.67	1.09	µg/l
Maximum	1.66	1.66	µg/l
Standard deviation	0.243	0.167	µg/l
rel. standard deviation	18.3	12.2	%
n	15	14	-

Graphical presentation of results

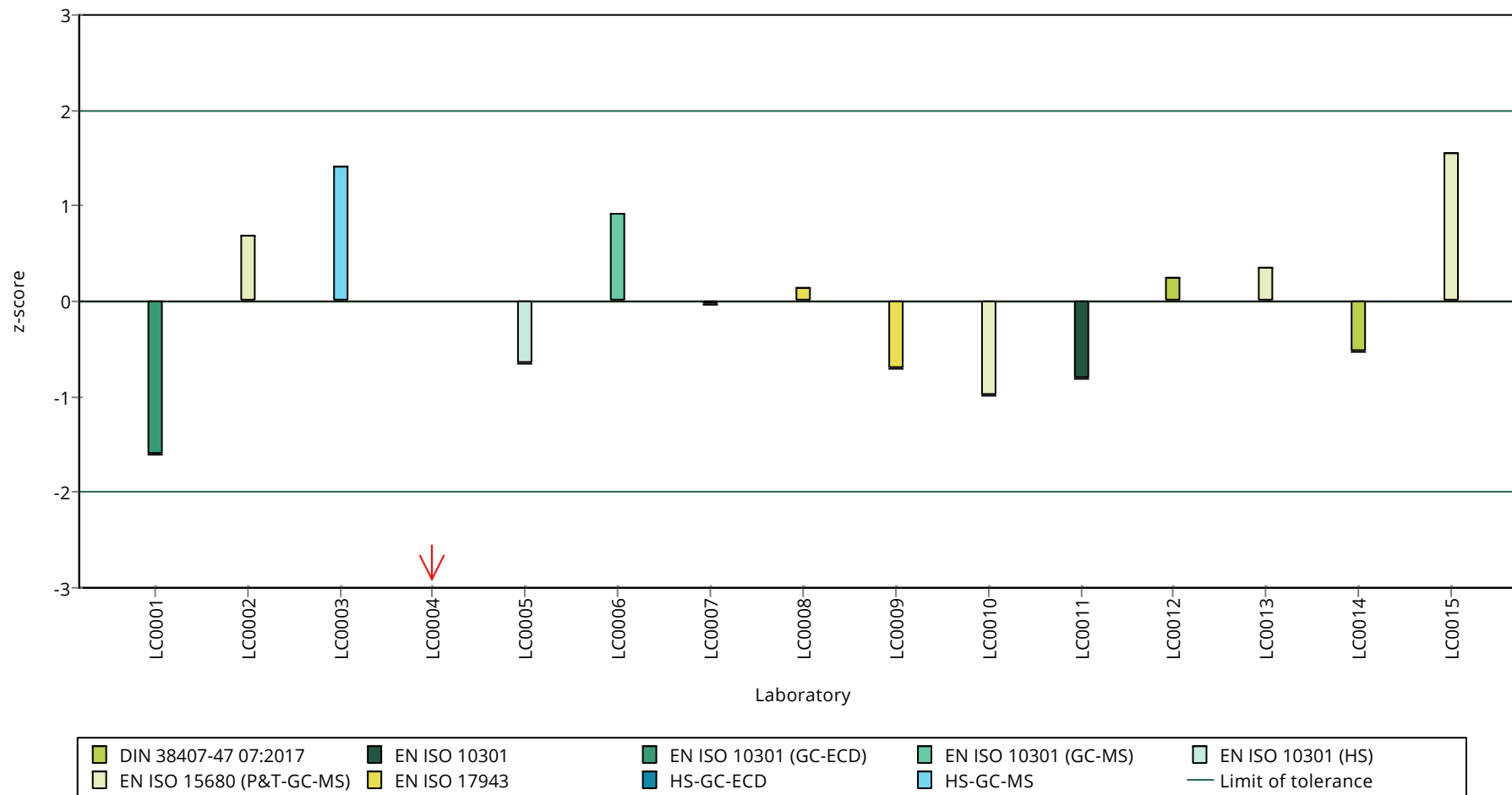
Results



Recovery rate



z-Score



Parameter oriented report Volatile halogenated hydrocarbons (VHH) - C75

Sample: C75B, Parameter: Trichloromethane

Parameter oriented report

C75 B

Trichloromethane

Unit	µg/l
Assigned value ± U (k=2)	5.01 ± 0.245
Criterion	0.652 (13 %)
Minimum - Maximum	4.13 - 5.87
Control test value ± U (k=2)	5.22 ± 1.31

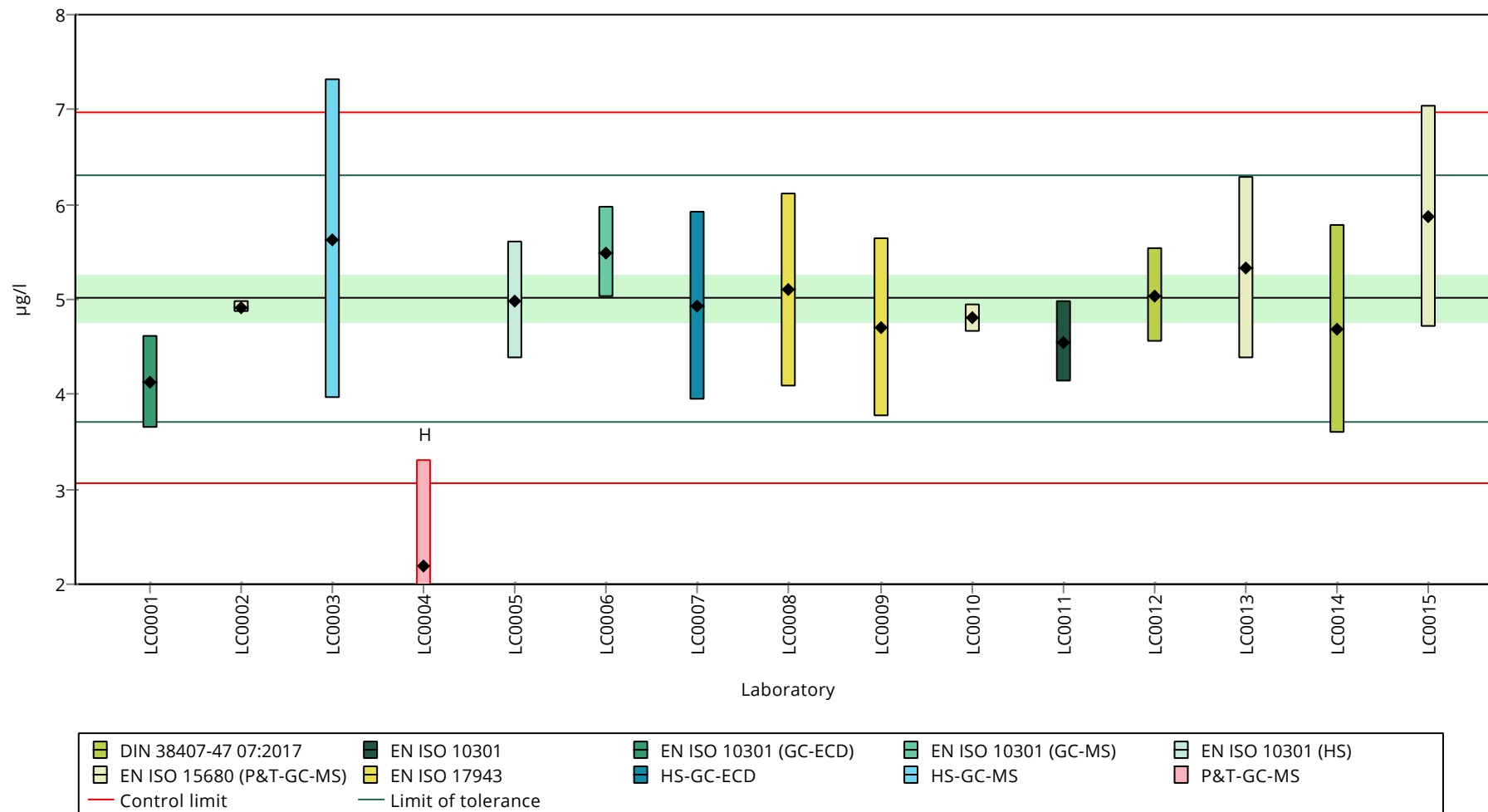
Labcode	Result ± U	Recovery [%]	z-Score	Comments
LC0001	4.128 ± 0.495	82.4	-1.36	
LC0002	4.92 ± 0.057	98.2	-0.14	
LC0003	5.635 ± 1.69	112	0.96	
LC0004	2.2 ± 1.1	43.9	-4.32	H
LC0005	4.99 ± 0.62	99.6	-0.03	
LC0006	5.49 ± 0.48	110	0.73	
LC0007	4.93 ± 0.986	98.4	-0.13	
LC0008	5.1 ± 1.02	102	0.14	
LC0009	4.7 ± 0.94	93.8	-0.48	
LC0010	4.8 ± 0.154	95.8	-0.32	
LC0011	4.55 ± 0.43	90.8	-0.71	
LC0012	5.04 ± 0.5	101	0.04	
LC0013	5.33 ± 0.96	106	0.49	
LC0014	4.68 ± 1.1	93.4	-0.51	
LC0015	5.871 ± 1.174	117	1.32	

Characteristics of parameter

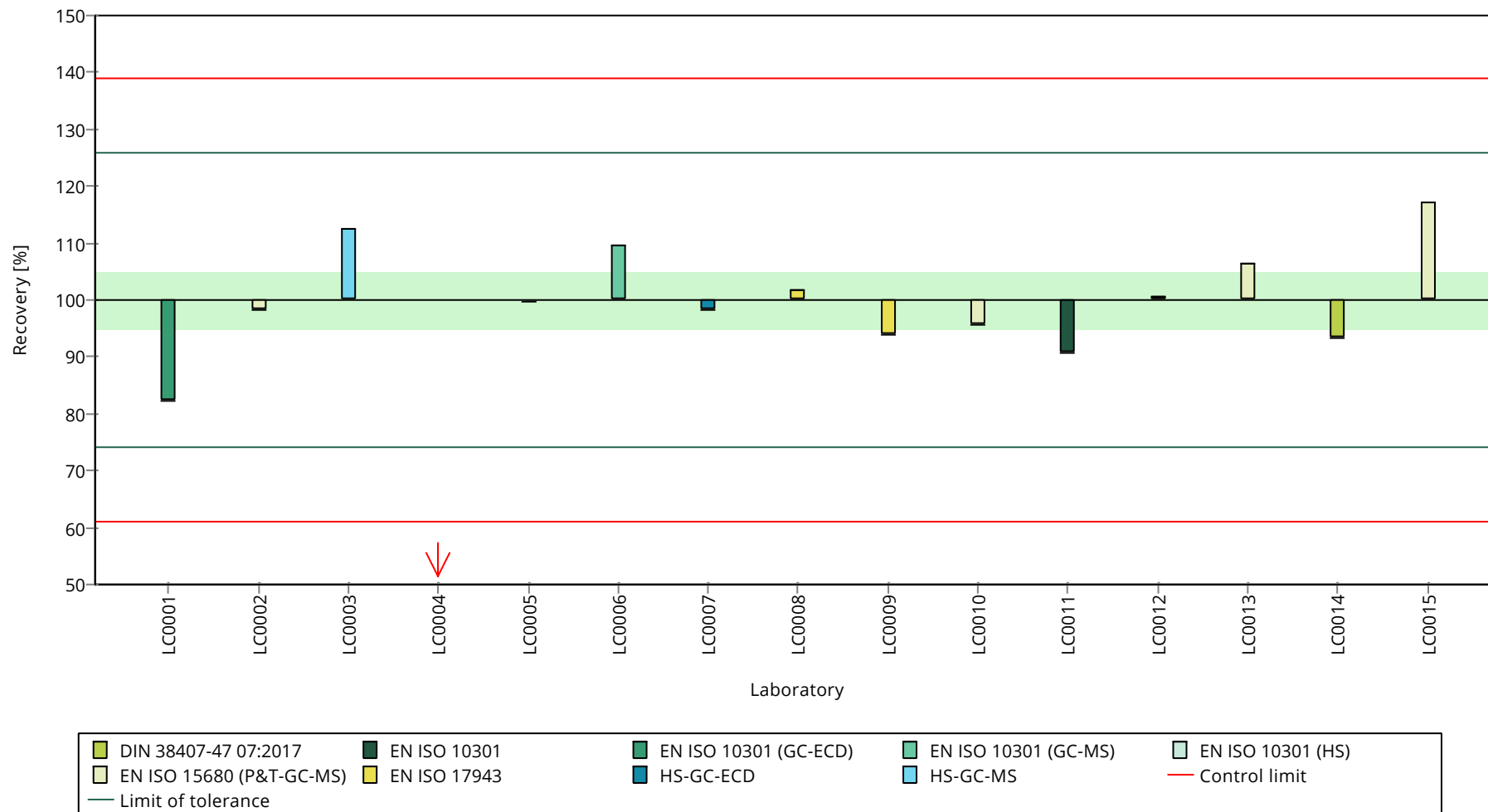
	all results	without outliers	Unit
Mean ± CI (99%)	4.82 ± 0.658	5.01 ± 0.367	µg/l
Minimum	2.2	4.13	µg/l
Maximum	5.87	5.87	µg/l
Standard deviation	0.85	0.458	µg/l
rel. standard deviation	17.6	9.14	%
n	15	14	-

Graphical presentation of results

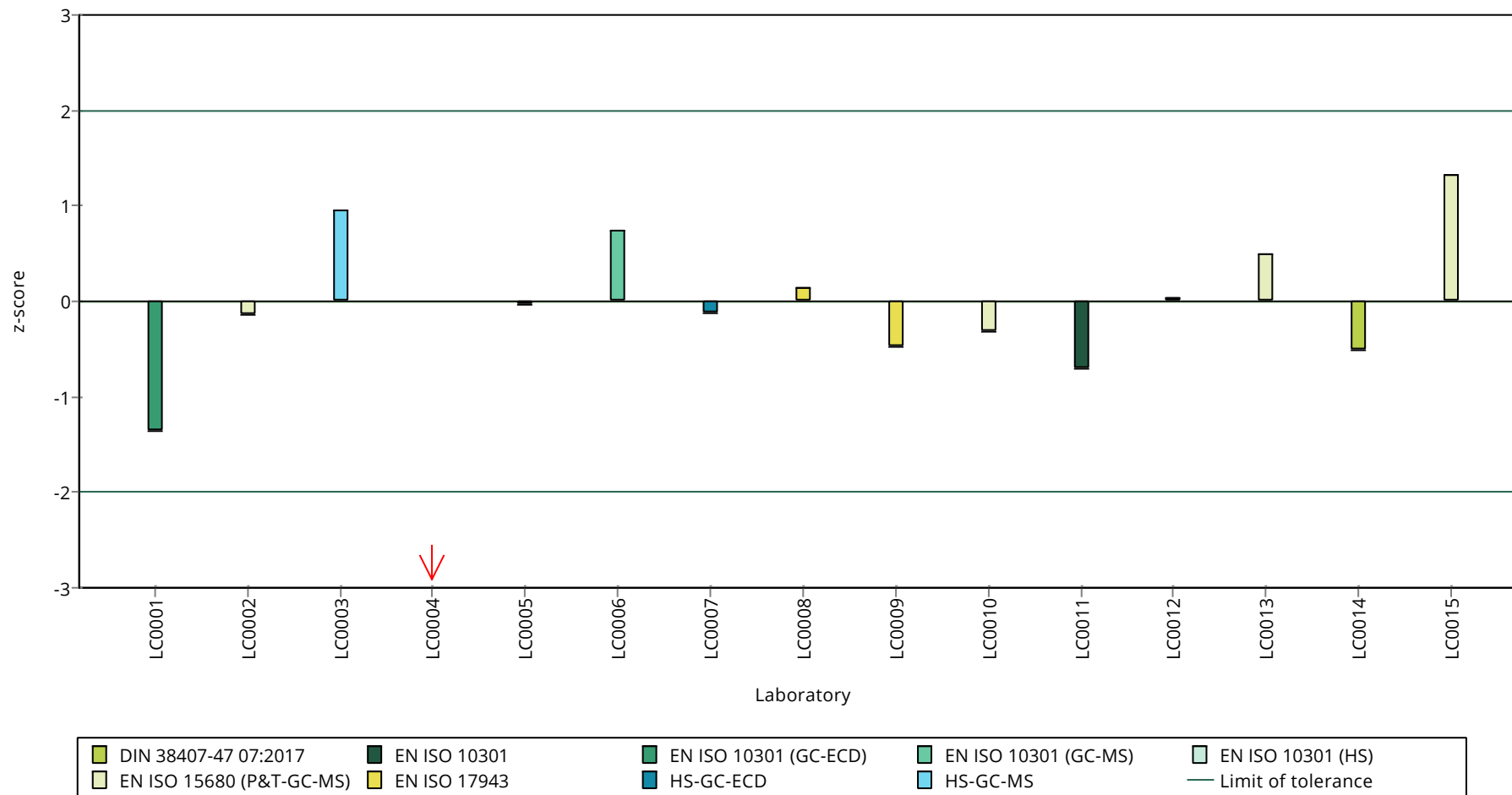
Results



Recovery rate



z-Score



E8. Labororientierte Auswertung / Laboratory oriented report

Die Labororientierte Auswertung ist nach dem Laborcode sortiert.

The laboratory oriented report is sorted by laboratory code.

Sample: C75A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
1,1,1-Trichloroethane	$\mu\text{g/l}$	1.19 \pm 0.0546	1.043 \pm 0.083	0.179	87.6	-0.83
1,1-Dichloroethene	$\mu\text{g/l}$	1.09 \pm 0.0687	1.09 \pm 0.109	0.186	99.7	-0.02
1,2-Dichloroethane	$\mu\text{g/l}$	1.37 \pm 0.0714	<3 (LOQ) \pm -	0.178	-	-
Bromodichloromethane	$\mu\text{g/l}$	1.12 \pm 0.0729	0.9266 \pm 0.093	0.124	82.4	-1.60
cis-1,2-Dichloroethene	$\mu\text{g/l}$	1.18 \pm 0.101	<3 (LOQ) \pm -	0.177	-	-
Dibromochloromethane	$\mu\text{g/l}$	1.63 \pm 0.129	1.328 \pm 0.133	0.229	81.3	-1.34
Dichloromethane	$\mu\text{g/l}$	1.37 \pm 0.125	<3 (LOQ) \pm -	0.22	-	-
Tetrachloroethene	$\mu\text{g/l}$	1.29 \pm 0.084	1.125 \pm 0.112	0.22	86.9	-0.77
Tetrachloromethane	$\mu\text{g/l}$	0.857 \pm 0.0571	0.7057 \pm 0.071	0.137	82.4	-1.10
trans-1,2-Dichloroethene	$\mu\text{g/l}$	0.608 \pm 0.0587	<3 (LOQ) \pm -	0.122	-	-
Tribromomethane	$\mu\text{g/l}$	2 \pm 0.2	1.595 \pm 0.159	0.341	79.6	-1.20
Trichloroethene	$\mu\text{g/l}$	1.16 \pm 0.127	0.9693 \pm 0.097	0.243	83.6	-0.78
Trichloromethane	$\mu\text{g/l}$	1.38 \pm 0.0895	1.088 \pm 0.131	0.179	79.1	-1.61

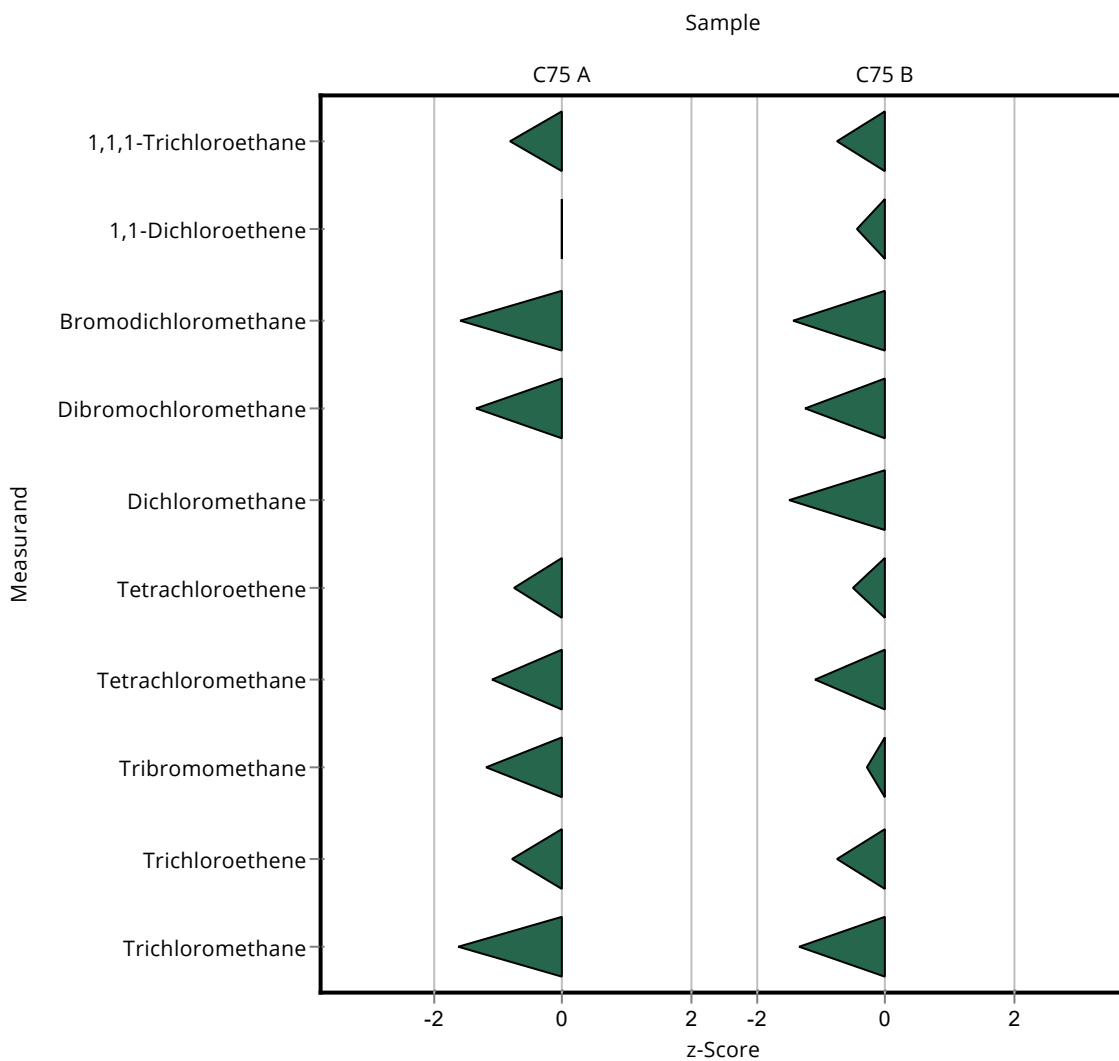
Sample: C75B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
1,1,1-Trichloroethane	$\mu\text{g/l}$	4.81 \pm 0.176	4.265 \pm 0.341	0.721	88.7	-0.75
1,1-Dichloroethene	$\mu\text{g/l}$	4.71 \pm 0.355	4.36 \pm 0.436	0.802	92.5	-0.44
1,2-Dichloroethane	$\mu\text{g/l}$	5.15 \pm 0.281	<3 (LOQ) \pm -	0.669	-	-
Bromodichloromethane	$\mu\text{g/l}$	4.26 \pm 0.189	3.641 \pm 0.364	0.426	85.6	-1.44
cis-1,2-Dichloroethene	$\mu\text{g/l}$	4.44 \pm 0.272	<3 (LOQ) \pm -	0.621	-	-
Dibromochloromethane	$\mu\text{g/l}$	5.88 \pm 0.283	4.992 \pm 0.499	0.706	84.8	-1.26
Dichloromethane	$\mu\text{g/l}$	4.68 \pm 0.573	3.144 \pm 0.472	1.03	67.2	-1.49
Tetrachloroethene	$\mu\text{g/l}$	5.11 \pm 0.44	4.653 \pm 0.465	0.868	91.1	-0.52
Tetrachloromethane	$\mu\text{g/l}$	3.58 \pm 0.167	2.959 \pm 0.296	0.573	82.7	-1.08
trans-1,2-Dichloroethene	$\mu\text{g/l}$	2.32 \pm 0.133	<3 (LOQ) \pm -	0.465	-	-

Summary of results Volatile halogenated hydrocarbons (VHH) - C75

Labcode: LC0001

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion Recovery [%]	Recovery z-Score
Tribromomethane	$\mu\text{g/l}$	7.69 \pm 0.752	7.295 \pm 0.729	1.31	94.9 -0.30
Trichloroethene	$\mu\text{g/l}$	4.36 \pm 0.228	3.865 \pm 0.386	0.654	88.6 -0.76
Trichloromethane	$\mu\text{g/l}$	5.01 \pm 0.245	4.128 \pm 0.495	0.652	82.4 -1.36



Sample: C75A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
1,1,1-Trichloroethane	$\mu\text{g/l}$	1.19 \pm 0.0546	1.043 \pm 0.083	0.179	87.6	-0.84
1,1-Dichloroethene	$\mu\text{g/l}$	1.09 \pm 0.0687	1.09 \pm 0.109	0.186	99.7	-0.02
1,2-Dichloroethane	$\mu\text{g/l}$	1.37 \pm 0.0714	<3 (LOQ) \pm -	0.178	-	-
Bromodichloromethane	$\mu\text{g/l}$	1.12 \pm 0.0729	0.9266 \pm 0.093	0.124	82.4	-0.99
cis-1,2-Dichloroethene	$\mu\text{g/l}$	1.18 \pm 0.101	<3 (LOQ) \pm -	0.177	-	-
Dibromochloromethane	$\mu\text{g/l}$	1.63 \pm 0.129	1.328 \pm 0.133	0.229	81.3	-1.04
Dichloromethane	$\mu\text{g/l}$	1.37 \pm 0.125	<3 (LOQ) \pm -	0.22	-	-
Tetrachloroethene	$\mu\text{g/l}$	1.29 \pm 0.084	1.125 \pm 0.112	0.22	86.9	-0.71
Tetrachloromethane	$\mu\text{g/l}$	0.857 \pm 0.0571	0.7057 \pm 0.071	0.137	82.4	-0.99
trans-1,2-Dichloroethene	$\mu\text{g/l}$	0.608 \pm 0.0587	<3 (LOQ) \pm -	0.122	-	-
Tribromomethane	$\mu\text{g/l}$	2 \pm 0.2	1.595 \pm 0.159	0.341	79.6	-1.09
Trichloroethene	$\mu\text{g/l}$	1.16 \pm 0.127	0.9693 \pm 0.097	0.243	83.6	-0.82
Trichloromethane	$\mu\text{g/l}$	1.38 \pm 0.0895	1.088 \pm 0.131	0.179	79.1	-1.04

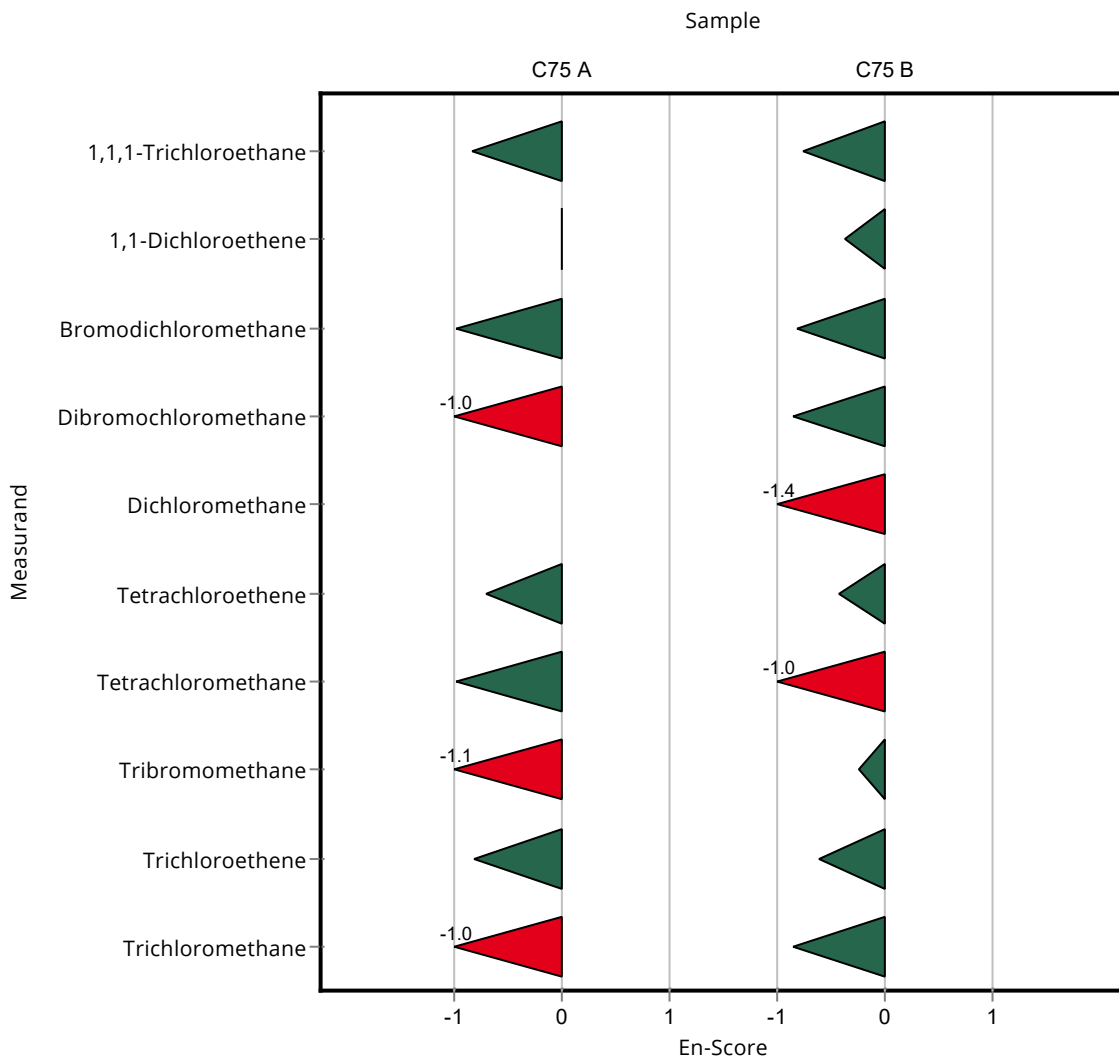
Sample: C75B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
1,1,1-Trichloroethane	$\mu\text{g/l}$	4.81 \pm 0.176	4.265 \pm 0.341	0.721	88.7	-0.77
1,1-Dichloroethene	$\mu\text{g/l}$	4.71 \pm 0.355	4.36 \pm 0.436	0.802	92.5	-0.38
1,2-Dichloroethane	$\mu\text{g/l}$	5.15 \pm 0.281	<3 (LOQ) \pm -	0.669	-	-
Bromodichloromethane	$\mu\text{g/l}$	4.26 \pm 0.189	3.641 \pm 0.364	0.426	85.6	-0.82
cis-1,2-Dichloroethene	$\mu\text{g/l}$	4.44 \pm 0.272	<3 (LOQ) \pm -	0.621	-	-
Dibromochloromethane	$\mu\text{g/l}$	5.88 \pm 0.283	4.992 \pm 0.499	0.706	84.8	-0.86
Dichloromethane	$\mu\text{g/l}$	4.68 \pm 0.573	3.144 \pm 0.472	1.03	67.2	-1.39
Tetrachloroethene	$\mu\text{g/l}$	5.11 \pm 0.44	4.653 \pm 0.465	0.868	91.1	-0.44
Tetrachloromethane	$\mu\text{g/l}$	3.58 \pm 0.167	2.959 \pm 0.296	0.573	82.7	-1.01
trans-1,2-Dichloroethene	$\mu\text{g/l}$	2.32 \pm 0.133	<3 (LOQ) \pm -	0.465	-	-

Summary of results Volatile halogenated hydrocarbons (VHH) - C75 - En-Score

Labcode: LC0001

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Tribromomethane	$\mu\text{g/l}$	7.69 \pm 0.752	7.295 \pm 0.729	1.31	94.9	-0.24
Trichloroethene	$\mu\text{g/l}$	4.36 \pm 0.228	3.865 \pm 0.386	0.654	88.6	-0.62
Trichloromethane	$\mu\text{g/l}$	5.01 \pm 0.245	4.128 \pm 0.495	0.652	82.4	-0.87



Sample: C75A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
1,1,1-Trichloroethane	$\mu\text{g/l}$	1.19 \pm 0.0546	1.28 \pm 0.029	0.179	108	0.50
1,1-Dichloroethene	$\mu\text{g/l}$	1.09 \pm 0.0687	1.22 \pm 0.034	0.186	112	0.68
1,2-Dichloroethane	$\mu\text{g/l}$	1.37 \pm 0.0714	1.39 \pm 0.006	0.178	102	0.12
Bromodichloromethane	$\mu\text{g/l}$	1.12 \pm 0.0729	1.2 \pm 0.004	0.124	107	0.61
cis-1,2-Dichloroethene	$\mu\text{g/l}$	1.18 \pm 0.101	1.21 \pm 0.011	0.177	102	0.15
Dibromochloromethane	$\mu\text{g/l}$	1.63 \pm 0.129	1.72 \pm 0.007	0.229	105	0.38
Dichloromethane	$\mu\text{g/l}$	1.37 \pm 0.125	1.22 \pm 0.064	0.22	88.8	-0.70
Tetrachloroethene	$\mu\text{g/l}$	1.29 \pm 0.084	1.39 \pm 0.013	0.22	107	0.43
Tetrachloromethane	$\mu\text{g/l}$	0.857 \pm 0.0571	0.95 \pm 0.028	0.137	111	0.68
trans-1,2-Dichloroethene	$\mu\text{g/l}$	0.608 \pm 0.0587	0.616 \pm 0.031	0.122	101	0.07
Tribromomethane	$\mu\text{g/l}$	2 \pm 0.2	1.86 \pm 0.006	0.341	92.8	-0.42
Trichloroethene	$\mu\text{g/l}$	1.16 \pm 0.127	1.31 \pm 0.008	0.243	113	0.62
Trichloromethane	$\mu\text{g/l}$	1.38 \pm 0.0895	1.5 \pm 0.011	0.179	109	0.69

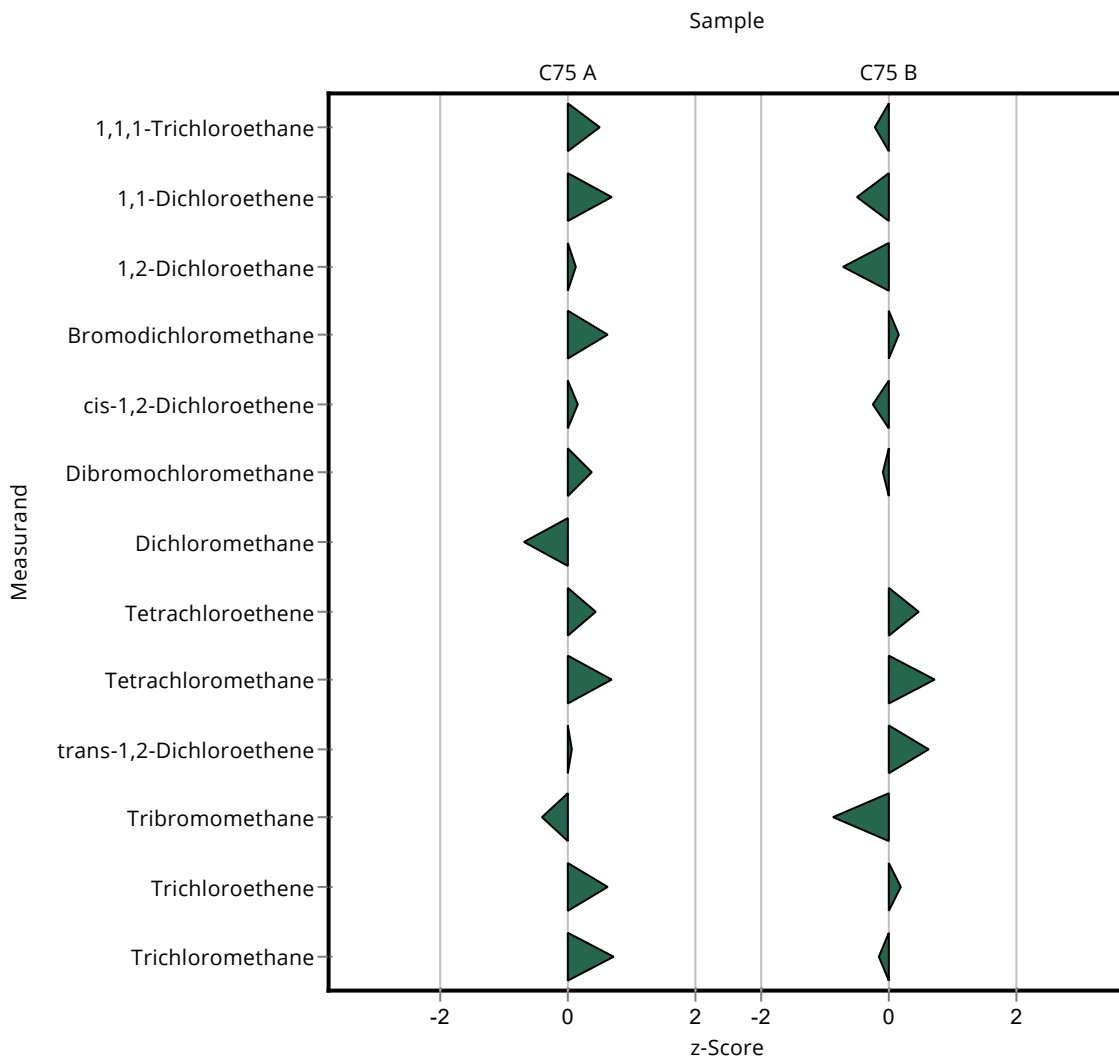
Sample: C75B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
1,1,1-Trichloroethane	$\mu\text{g/l}$	4.81 \pm 0.176	4.67 \pm 0.14	0.721	97.1	-0.19
1,1-Dichloroethene	$\mu\text{g/l}$	4.71 \pm 0.355	4.33 \pm 0.162	0.802	91.8	-0.48
1,2-Dichloroethane	$\mu\text{g/l}$	5.15 \pm 0.281	4.67 \pm 0.029	0.669	90.8	-0.71
Bromodichloromethane	$\mu\text{g/l}$	4.26 \pm 0.189	4.33 \pm 0.012	0.426	102	0.17
cis-1,2-Dichloroethene	$\mu\text{g/l}$	4.44 \pm 0.272	4.29 \pm 0.027	0.621	96.7	-0.24
Dibromochloromethane	$\mu\text{g/l}$	5.88 \pm 0.283	5.82 \pm 0.039	0.706	98.9	-0.09
Dichloromethane	$\mu\text{g/l}$	4.68 \pm 0.573	- \pm -	1.03	-	-
Tetrachloroethene	$\mu\text{g/l}$	5.11 \pm 0.44	5.53 \pm 0.035	0.868	108	0.49
Tetrachloromethane	$\mu\text{g/l}$	3.58 \pm 0.167	3.99 \pm 0.069	0.573	111	0.72
trans-1,2-Dichloroethene	$\mu\text{g/l}$	2.32 \pm 0.133	2.62 \pm 0.152	0.465	113	0.64

Summary of results Volatile halogenated hydrocarbons (VHH) - C75

Labcode: LC0002

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Tribromomethane	$\mu\text{g/l}$	7.69 \pm 0.752	6.57 \pm 0.032	1.31	85.4	-0.86
Trichloroethene	$\mu\text{g/l}$	4.36 \pm 0.228	4.5 \pm 0.037	0.654	103	0.21
Trichloromethane	$\mu\text{g/l}$	5.01 \pm 0.245	4.92 \pm 0.057	0.652	98.2	-0.14



Sample: C75A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
1,1,1-Trichloroethane	$\mu\text{g/l}$	1.19 \pm 0.0546	1.28 \pm 0.029	0.179	108	1.12
1,1-Dichloroethene	$\mu\text{g/l}$	1.09 \pm 0.0687	1.22 \pm 0.034	0.186	112	1.31
1,2-Dichloroethane	$\mu\text{g/l}$	1.37 \pm 0.0714	1.39 \pm 0.006	0.178	102	0.30
Bromodichloromethane	$\mu\text{g/l}$	1.12 \pm 0.0729	1.2 \pm 0.004	0.124	107	1.02
cis-1,2-Dichloroethene	$\mu\text{g/l}$	1.18 \pm 0.101	1.21 \pm 0.011	0.177	102	0.26
Dibromochloromethane	$\mu\text{g/l}$	1.63 \pm 0.129	1.72 \pm 0.007	0.229	105	0.66
Dichloromethane	$\mu\text{g/l}$	1.37 \pm 0.125	1.22 \pm 0.064	0.22	88.8	-0.86
Tetrachloroethene	$\mu\text{g/l}$	1.29 \pm 0.084	1.39 \pm 0.013	0.22	107	1.09
Tetrachloromethane	$\mu\text{g/l}$	0.857 \pm 0.0571	0.95 \pm 0.028	0.137	111	1.16
trans-1,2-Dichloroethene	$\mu\text{g/l}$	0.608 \pm 0.0587	0.616 \pm 0.031	0.122	101	0.09
Tribromomethane	$\mu\text{g/l}$	2 \pm 0.2	1.86 \pm 0.006	0.341	92.8	-0.72
Trichloroethene	$\mu\text{g/l}$	1.16 \pm 0.127	1.31 \pm 0.008	0.243	113	1.18
Trichloromethane	$\mu\text{g/l}$	1.38 \pm 0.0895	1.5 \pm 0.011	0.179	109	1.35

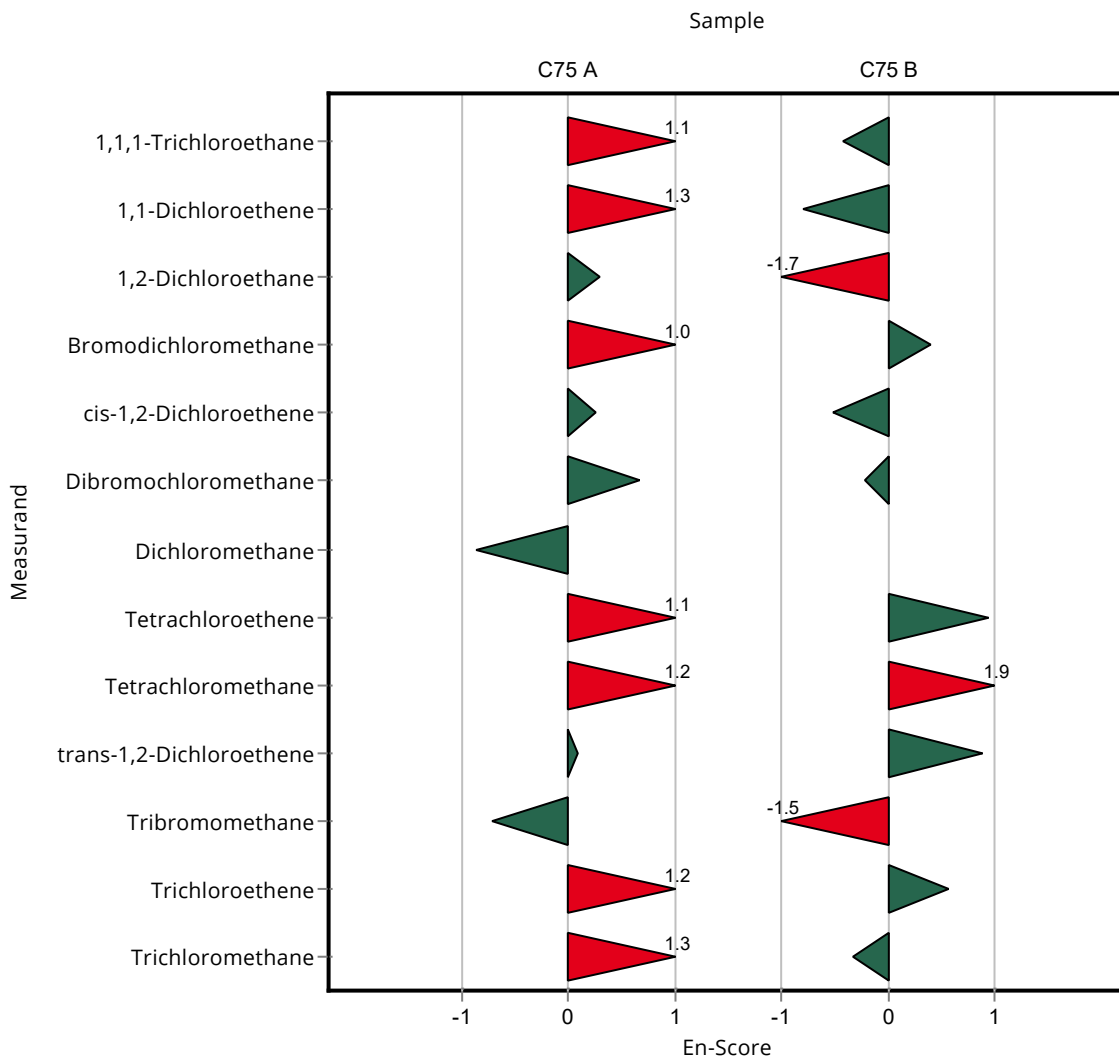
Sample: C75B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
1,1,1-Trichloroethane	$\mu\text{g/l}$	4.81 \pm 0.176	4.67 \pm 0.14	0.721	97.1	-0.42
1,1-Dichloroethene	$\mu\text{g/l}$	4.71 \pm 0.355	4.33 \pm 0.162	0.802	91.8	-0.80
1,2-Dichloroethane	$\mu\text{g/l}$	5.15 \pm 0.281	4.67 \pm 0.029	0.669	90.8	-1.65
Bromodichloromethane	$\mu\text{g/l}$	4.26 \pm 0.189	4.33 \pm 0.012	0.426	102	0.39
cis-1,2-Dichloroethene	$\mu\text{g/l}$	4.44 \pm 0.272	4.29 \pm 0.027	0.621	96.7	-0.53
Dibromochloromethane	$\mu\text{g/l}$	5.88 \pm 0.283	5.82 \pm 0.039	0.706	98.9	-0.22
Dichloromethane	$\mu\text{g/l}$	4.68 \pm 0.573	- \pm -	1.03	-	-
Tetrachloroethene	$\mu\text{g/l}$	5.11 \pm 0.44	5.53 \pm 0.035	0.868	108	0.95
Tetrachloromethane	$\mu\text{g/l}$	3.58 \pm 0.167	3.99 \pm 0.069	0.573	111	1.89
trans-1,2-Dichloroethene	$\mu\text{g/l}$	2.32 \pm 0.133	2.62 \pm 0.152	0.465	113	0.89

Summary of results Volatile halogenated hydrocarbons (VHH) - C75 - En-Score

Labcode: LC0002

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Tribromomethane	$\mu\text{g/l}$	7.69 \pm 0.752	6.57 \pm 0.032	1.31	85.4	-1.48
Trichloroethene	$\mu\text{g/l}$	4.36 \pm 0.228	4.5 \pm 0.037	0.654	103	0.57
Trichloromethane	$\mu\text{g/l}$	5.01 \pm 0.245	4.92 \pm 0.057	0.652	98.2	-0.34



Sample: C75A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
1,1,1-Trichloroethane	$\mu\text{g/l}$	1.19 \pm 0.0546	1.317 \pm 0.527	0.179	111	0.71
1,1-Dichloroethene	$\mu\text{g/l}$	1.09 \pm 0.0687	1.255 \pm 0.502	0.186	115	0.87
1,2-Dichloroethane	$\mu\text{g/l}$	1.37 \pm 0.0714	1.382 \pm 0.415	0.178	101	0.08
Bromodichloromethane	$\mu\text{g/l}$	1.12 \pm 0.0729	1.385 \pm 0.693	0.124	123	2.10
cis-1,2-Dichloroethene	$\mu\text{g/l}$	1.18 \pm 0.101	1.371 \pm 0.411	0.177	116	1.06
Dibromochloromethane	$\mu\text{g/l}$	1.63 \pm 0.129	2.192 \pm 1.096	0.229	134	2.44
Dichloromethane	$\mu\text{g/l}$	1.37 \pm 0.125	1.604 \pm 0.481	0.22	117	1.04
Tetrachloroethene	$\mu\text{g/l}$	1.29 \pm 0.084	- \pm -	0.22	-	-
Tetrachloromethane	$\mu\text{g/l}$	0.857 \pm 0.0571	1.059 \pm 0.318	0.137	124	1.47
trans-1,2-Dichloroethene	$\mu\text{g/l}$	0.608 \pm 0.0587	0.786 \pm 0.275	0.122	129	1.46
Tribromomethane	$\mu\text{g/l}$	2 \pm 0.2	2.859 \pm 1.429	0.341	143	2.51
Trichloroethene	$\mu\text{g/l}$	1.16 \pm 0.127	1.837 \pm 0.735	0.243	158	2.79
Trichloromethane	$\mu\text{g/l}$	1.38 \pm 0.0895	1.629 \pm 0.489	0.179	118	1.42

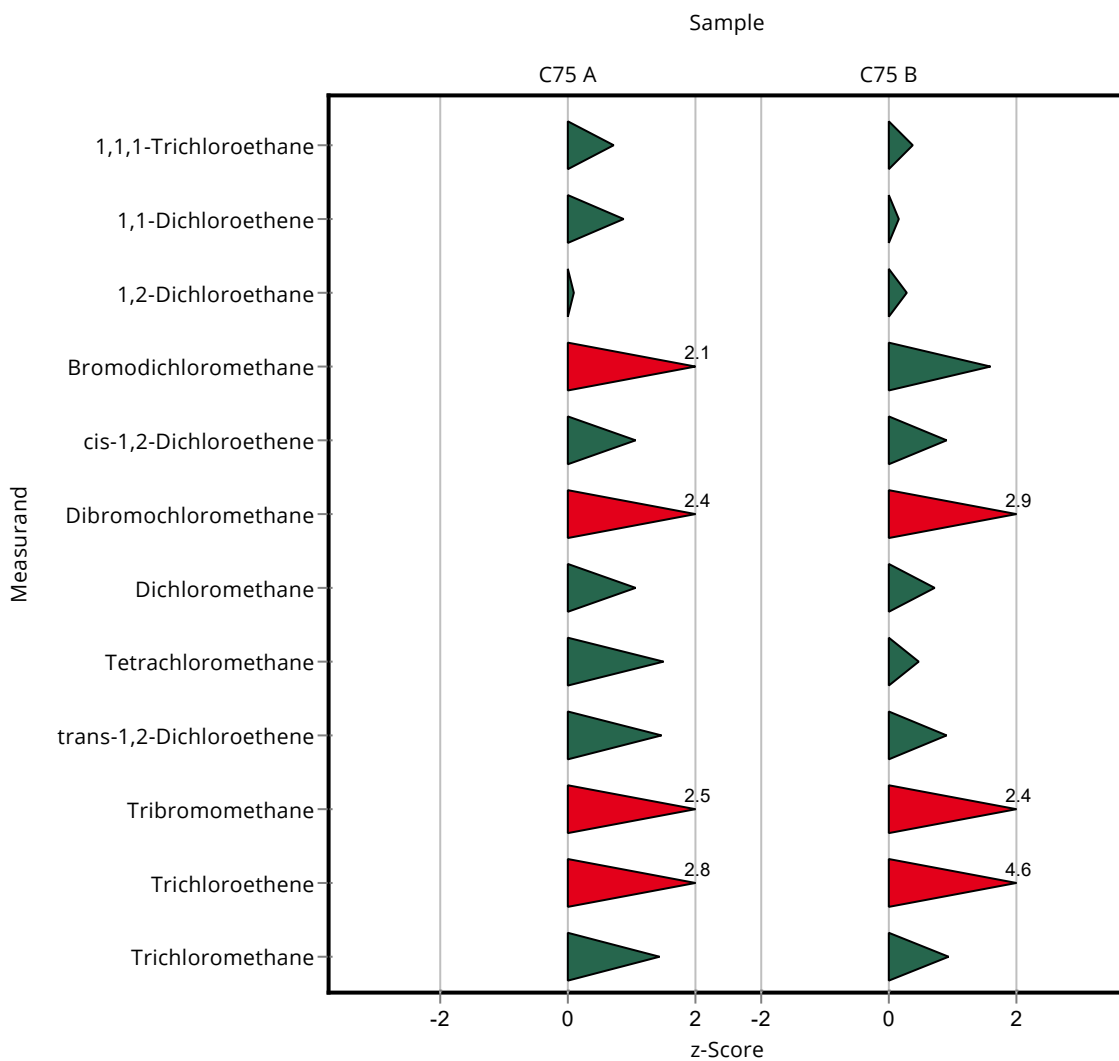
Sample: C75B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
1,1,1-Trichloroethane	$\mu\text{g/l}$	4.81 \pm 0.176	5.079 \pm 2.032	0.721	106	0.37
1,1-Dichloroethene	$\mu\text{g/l}$	4.71 \pm 0.355	4.847 \pm 1.939	0.802	103	0.16
1,2-Dichloroethane	$\mu\text{g/l}$	5.15 \pm 0.281	5.345 \pm 1.603	0.669	104	0.30
Bromodichloromethane	$\mu\text{g/l}$	4.26 \pm 0.189	4.937 \pm 2.469	0.426	116	1.60
cis-1,2-Dichloroethene	$\mu\text{g/l}$	4.44 \pm 0.272	5.007 \pm 1.502	0.621	113	0.92
Dibromochloromethane	$\mu\text{g/l}$	5.88 \pm 0.283	7.962 \pm 3.981	0.706	135	2.94
Dichloromethane	$\mu\text{g/l}$	4.68 \pm 0.573	5.414 \pm 1.624	1.03	116	0.71
Tetrachloroethene	$\mu\text{g/l}$	5.11 \pm 0.44	- \pm -	0.868	-	-
Tetrachloromethane	$\mu\text{g/l}$	3.58 \pm 0.167	3.848 \pm 1.154	0.573	107	0.47
trans-1,2-Dichloroethene	$\mu\text{g/l}$	2.32 \pm 0.133	2.745 \pm 0.961	0.465	118	0.90

Summary of results Volatile halogenated hydrocarbons (VHH) - C75

Labcode: LC0003

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion Recovery [%]	Recovery	z-Score
Tribromomethane	$\mu\text{g/l}$	7.69 \pm 0.752	10.869 \pm 5.434	1.31	141	2.43
Trichloroethene	$\mu\text{g/l}$	4.36 \pm 0.228	7.374 \pm 2.95	0.654	169	4.60
Trichloromethane	$\mu\text{g/l}$	5.01 \pm 0.245	5.635 \pm 1.69	0.652	112	0.96



Sample: C75A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
1,1,1-Trichloroethane	$\mu\text{g/l}$	1.19 \pm 0.0546	1.317 \pm 0.527	0.179	111	0.12
1,1-Dichloroethene	$\mu\text{g/l}$	1.09 \pm 0.0687	1.255 \pm 0.502	0.186	115	0.16
1,2-Dichloroethane	$\mu\text{g/l}$	1.37 \pm 0.0714	1.382 \pm 0.415	0.178	101	0.02
Bromodichloromethane	$\mu\text{g/l}$	1.12 \pm 0.0729	1.385 \pm 0.693	0.124	123	0.19
cis-1,2-Dichloroethene	$\mu\text{g/l}$	1.18 \pm 0.101	1.371 \pm 0.411	0.177	116	0.23
Dibromochloromethane	$\mu\text{g/l}$	1.63 \pm 0.129	2.192 \pm 1.096	0.229	134	0.25
Dichloromethane	$\mu\text{g/l}$	1.37 \pm 0.125	1.604 \pm 0.481	0.22	117	0.24
Tetrachloroethene	$\mu\text{g/l}$	1.29 \pm 0.084	- \pm -	0.22	-	-
Tetrachloromethane	$\mu\text{g/l}$	0.857 \pm 0.0571	1.059 \pm 0.318	0.137	124	0.32
trans-1,2-Dichloroethene	$\mu\text{g/l}$	0.608 \pm 0.0587	0.786 \pm 0.275	0.122	129	0.32
Tribromomethane	$\mu\text{g/l}$	2 \pm 0.2	2.859 \pm 1.429	0.341	143	0.30
Trichloroethene	$\mu\text{g/l}$	1.16 \pm 0.127	1.837 \pm 0.735	0.243	158	0.46
Trichloromethane	$\mu\text{g/l}$	1.38 \pm 0.0895	1.629 \pm 0.489	0.179	118	0.26

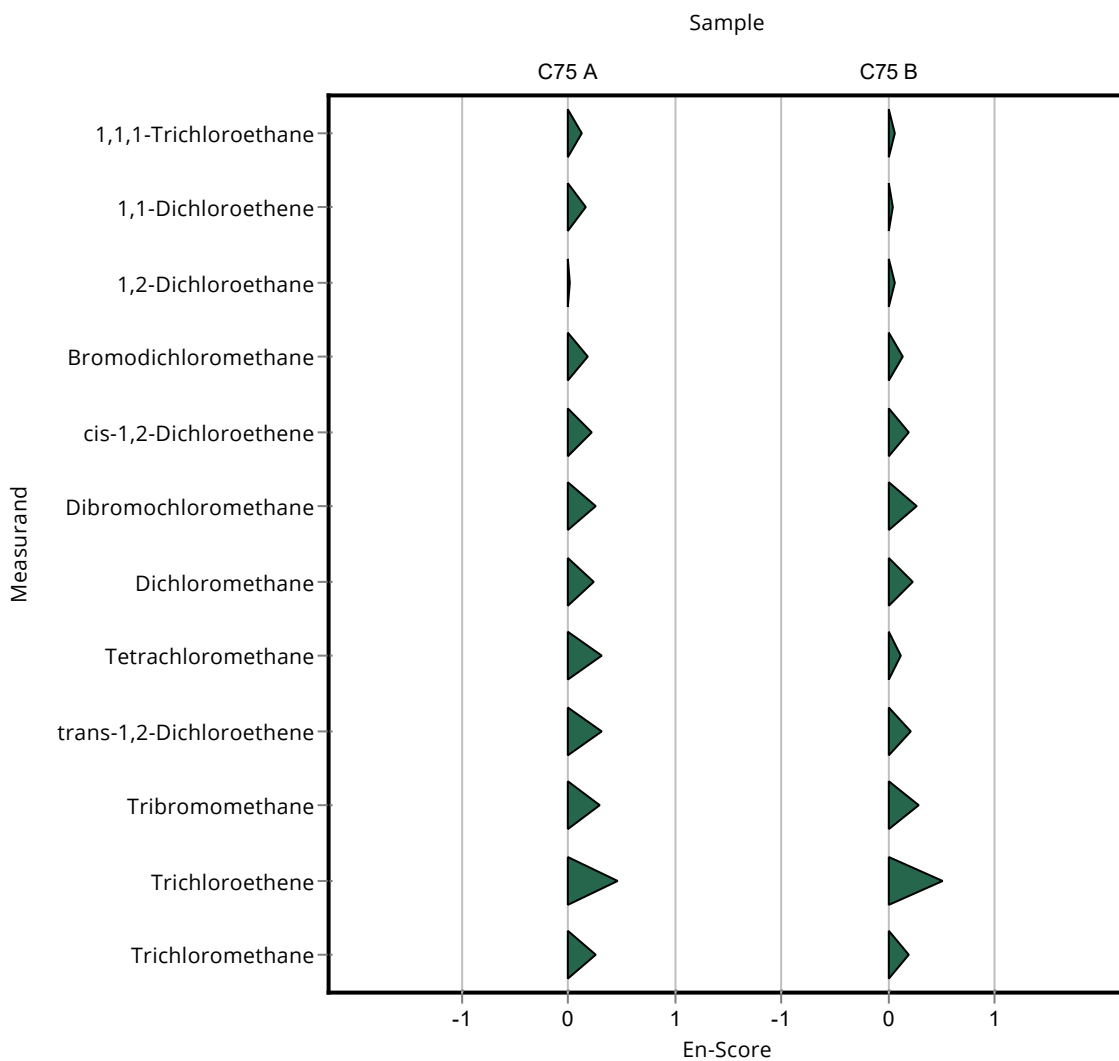
Sample: C75B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
1,1,1-Trichloroethane	$\mu\text{g/l}$	4.81 \pm 0.176	5.079 \pm 2.032	0.721	106	0.07
1,1-Dichloroethene	$\mu\text{g/l}$	4.71 \pm 0.355	4.847 \pm 1.939	0.802	103	0.03
1,2-Dichloroethane	$\mu\text{g/l}$	5.15 \pm 0.281	5.345 \pm 1.603	0.669	104	0.06
Bromodichloromethane	$\mu\text{g/l}$	4.26 \pm 0.189	4.937 \pm 2.469	0.426	116	0.14
cis-1,2-Dichloroethene	$\mu\text{g/l}$	4.44 \pm 0.272	5.007 \pm 1.502	0.621	113	0.19
Dibromochloromethane	$\mu\text{g/l}$	5.88 \pm 0.283	7.962 \pm 3.981	0.706	135	0.26
Dichloromethane	$\mu\text{g/l}$	4.68 \pm 0.573	5.414 \pm 1.624	1.03	116	0.22
Tetrachloroethene	$\mu\text{g/l}$	5.11 \pm 0.44	- \pm -	0.868	-	-
Tetrachloromethane	$\mu\text{g/l}$	3.58 \pm 0.167	3.848 \pm 1.154	0.573	107	0.12
trans-1,2-Dichloroethene	$\mu\text{g/l}$	2.32 \pm 0.133	2.745 \pm 0.961	0.465	118	0.22

Summary of results Volatile halogenated hydrocarbons (VHH) - C75 - En-Score

Labcode: LC0003

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Tribromomethane	$\mu\text{g/l}$	7.69 \pm 0.752	10.869 \pm 5.434	1.31	141	0.29
Trichloroethene	$\mu\text{g/l}$	4.36 \pm 0.228	7.374 \pm 2.95	0.654	169	0.51
Trichloromethane	$\mu\text{g/l}$	5.01 \pm 0.245	5.635 \pm 1.69	0.652	112	0.18



Sample: C75A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
1,1,1-Trichloroethane	$\mu\text{g/l}$	1.19 \pm 0.0546	0.47 \pm 0.235	0.179	39.5	-4.04
1,1-Dichloroethene	$\mu\text{g/l}$	1.09 \pm 0.0687	0.85 \pm 0.425	0.186	77.7	-1.31
1,2-Dichloroethane	$\mu\text{g/l}$	1.37 \pm 0.0714	0.46 \pm 0.23	0.178	33.6	-5.11
Bromodichloromethane	$\mu\text{g/l}$	1.12 \pm 0.0729	0.43 \pm 0.215	0.124	38.2	-5.62
cis-1,2-Dichloroethene	$\mu\text{g/l}$	1.18 \pm 0.101	0.3 \pm 0.15	0.177	25.4	-4.98
Dibromochloromethane	$\mu\text{g/l}$	1.63 \pm 0.129	0.61 \pm 0.305	0.229	37.3	-4.48
Dichloromethane	$\mu\text{g/l}$	1.37 \pm 0.125	1.53 \pm 0.765	0.22	111	0.71
Tetrachloroethene	$\mu\text{g/l}$	1.29 \pm 0.084	0.96 \pm 0.48	0.22	74.2	-1.52
Tetrachloromethane	$\mu\text{g/l}$	0.857 \pm 0.0571	0.24 \pm 0.12	0.137	28	-4.50
trans-1,2-Dichloroethene	$\mu\text{g/l}$	0.608 \pm 0.0587	0.78 \pm 0.39	0.122	128	1.41
Tribromomethane	$\mu\text{g/l}$	2 \pm 0.2	0.68 \pm 0.34	0.341	33.9	-3.89
Trichloroethene	$\mu\text{g/l}$	1.16 \pm 0.127	0.75 \pm 0.375	0.243	64.7	-1.68
Trichloromethane	$\mu\text{g/l}$	1.38 \pm 0.0895	0.67 \pm 0.335	0.179	48.7	-3.95

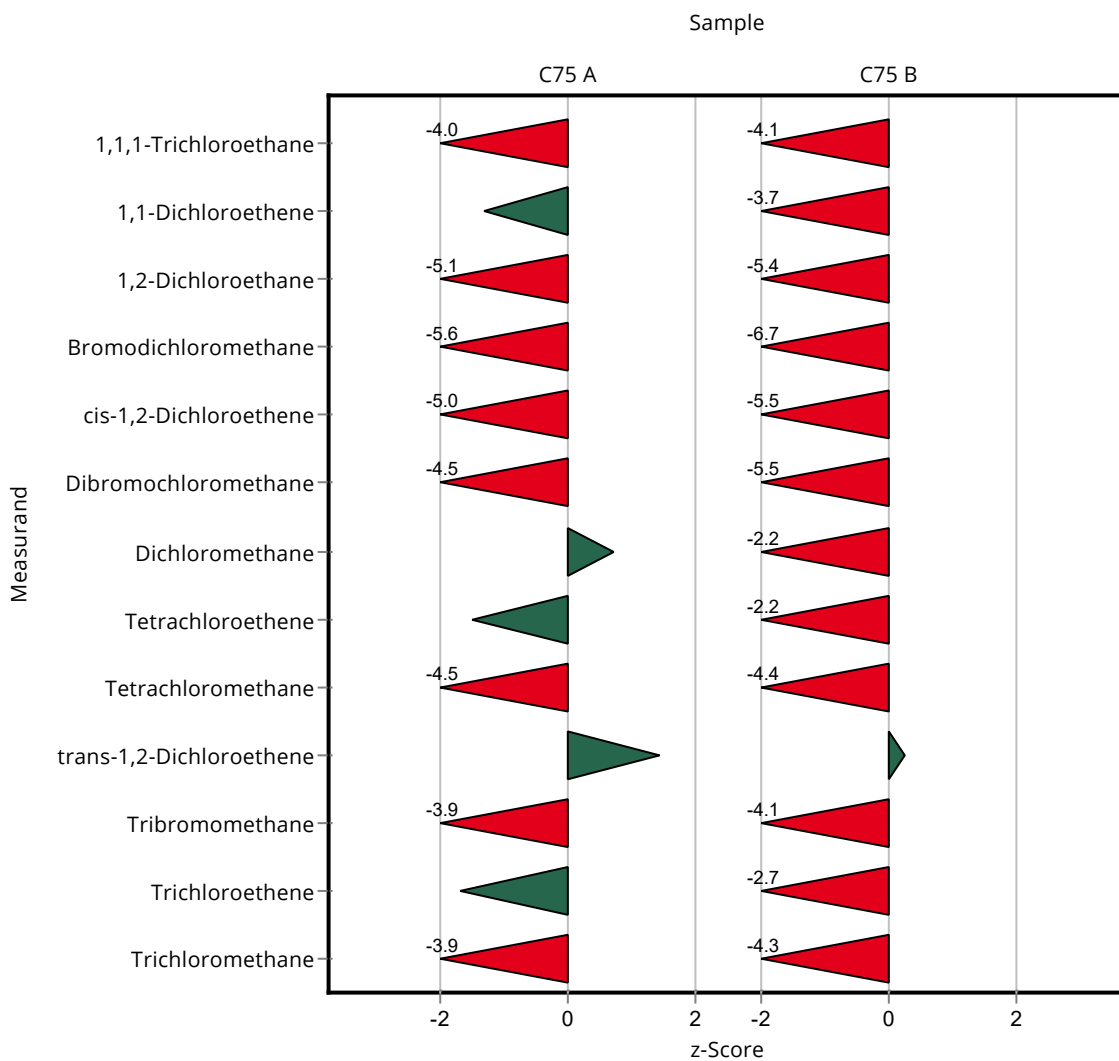
Sample: C75B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
1,1,1-Trichloroethane	$\mu\text{g/l}$	4.81 \pm 0.176	1.84 \pm 0.92	0.721	38.3	-4.12
1,1-Dichloroethene	$\mu\text{g/l}$	4.71 \pm 0.355	1.74 \pm 0.87	0.802	36.9	-3.71
1,2-Dichloroethane	$\mu\text{g/l}$	5.15 \pm 0.281	1.5 \pm 0.75	0.669	29.2	-5.45
Bromodichloromethane	$\mu\text{g/l}$	4.26 \pm 0.189	1.42 \pm 0.71	0.426	33.4	-6.66
cis-1,2-Dichloroethene	$\mu\text{g/l}$	4.44 \pm 0.272	1.02 \pm 0.51	0.621	23	-5.50
Dibromochloromethane	$\mu\text{g/l}$	5.88 \pm 0.283	1.97 \pm 0.985	0.706	33.5	-5.54
Dichloromethane	$\mu\text{g/l}$	4.68 \pm 0.573	2.39 \pm 1.195	1.03	51.1	-2.22
Tetrachloroethene	$\mu\text{g/l}$	5.11 \pm 0.44	3.24 \pm 1.62	0.868	63.4	-2.15
Tetrachloromethane	$\mu\text{g/l}$	3.58 \pm 0.167	1.07 \pm 0.535	0.573	29.9	-4.38
trans-1,2-Dichloroethene	$\mu\text{g/l}$	2.32 \pm 0.133	2.44 \pm 1.22	0.465	105	0.25

Summary of results Volatile halogenated hydrocarbons (VHH) - C75

Labcode: LC0004

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Tribromomethane	$\mu\text{g/l}$	7.69 \pm 0.752	2.27 \pm 1.135	1.31	29.5	-4.15
Trichloroethene	$\mu\text{g/l}$	4.36 \pm 0.228	2.59 \pm 1.295	0.654	59.4	-2.71
Trichloromethane	$\mu\text{g/l}$	5.01 \pm 0.245	2.2 \pm 1.1	0.652	43.9	-4.32



Sample: C75A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
1,1,1-Trichloroethane	$\mu\text{g/l}$	1.19 \pm 0.0546	0.47 \pm 0.235	0.179	39.5	-1.52
1,1-Dichloroethene	$\mu\text{g/l}$	1.09 \pm 0.0687	0.85 \pm 0.425	0.186	77.7	-0.29
1,2-Dichloroethane	$\mu\text{g/l}$	1.37 \pm 0.0714	0.46 \pm 0.23	0.178	33.6	-1.95
Bromodichloromethane	$\mu\text{g/l}$	1.12 \pm 0.0729	0.43 \pm 0.215	0.124	38.2	-1.59
cis-1,2-Dichloroethene	$\mu\text{g/l}$	1.18 \pm 0.101	0.3 \pm 0.15	0.177	25.4	-2.79
Dibromochloromethane	$\mu\text{g/l}$	1.63 \pm 0.129	0.61 \pm 0.305	0.229	37.3	-1.64
Dichloromethane	$\mu\text{g/l}$	1.37 \pm 0.125	1.53 \pm 0.765	0.22	111	0.10
Tetrachloroethene	$\mu\text{g/l}$	1.29 \pm 0.084	0.96 \pm 0.48	0.22	74.2	-0.35
Tetrachloromethane	$\mu\text{g/l}$	0.857 \pm 0.0571	0.24 \pm 0.12	0.137	28	-2.50
trans-1,2-Dichloroethene	$\mu\text{g/l}$	0.608 \pm 0.0587	0.78 \pm 0.39	0.122	128	0.22
Tribromomethane	$\mu\text{g/l}$	2 \pm 0.2	0.68 \pm 0.34	0.341	33.9	-1.87
Trichloroethene	$\mu\text{g/l}$	1.16 \pm 0.127	0.75 \pm 0.375	0.243	64.7	-0.54
Trichloromethane	$\mu\text{g/l}$	1.38 \pm 0.0895	0.67 \pm 0.335	0.179	48.7	-1.04

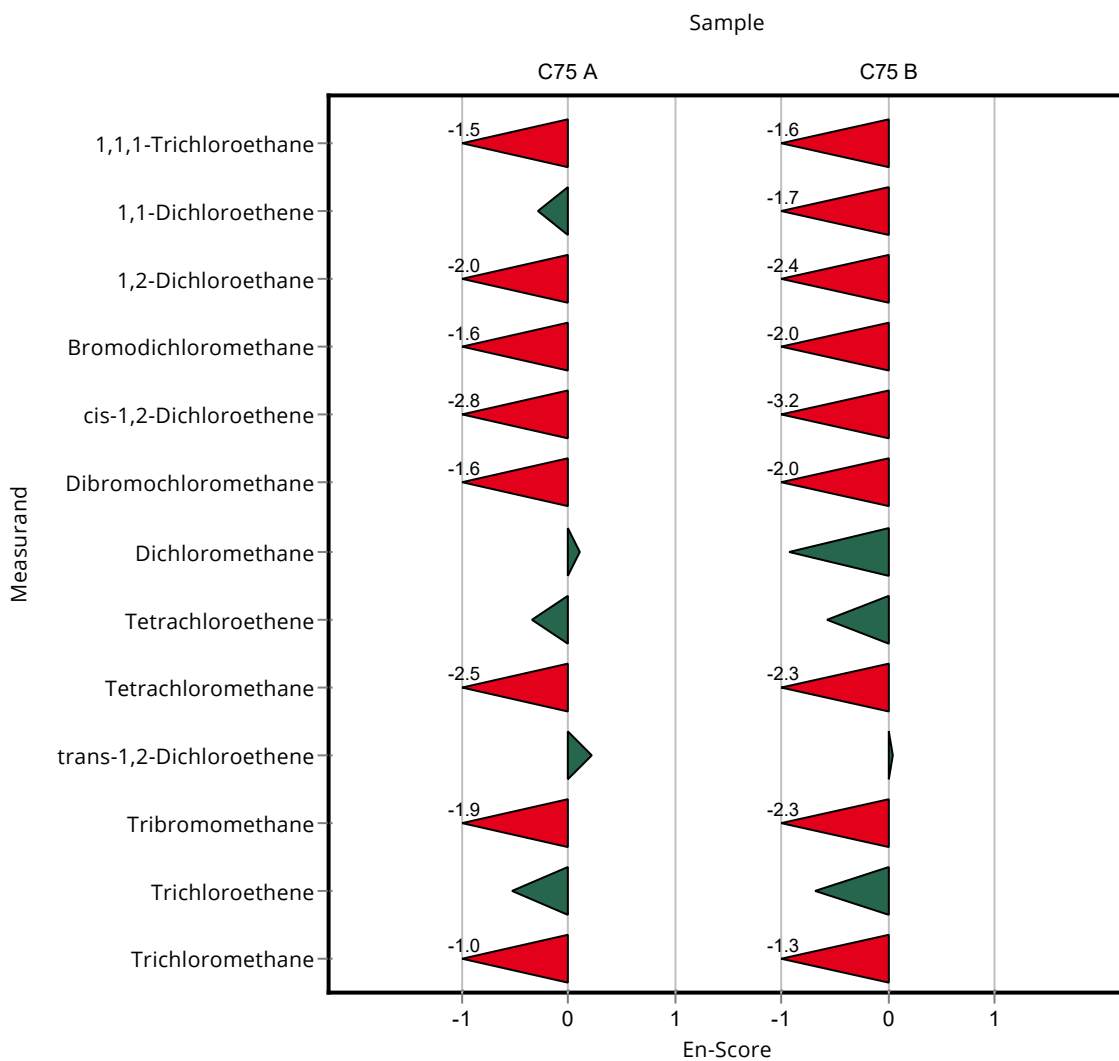
Sample: C75B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
1,1,1-Trichloroethane	$\mu\text{g/l}$	4.81 \pm 0.176	1.84 \pm 0.92	0.721	38.3	-1.61
1,1-Dichloroethene	$\mu\text{g/l}$	4.71 \pm 0.355	1.74 \pm 0.87	0.802	36.9	-1.68
1,2-Dichloroethane	$\mu\text{g/l}$	5.15 \pm 0.281	1.5 \pm 0.75	0.669	29.2	-2.39
Bromodichloromethane	$\mu\text{g/l}$	4.26 \pm 0.189	1.42 \pm 0.71	0.426	33.4	-1.98
cis-1,2-Dichloroethene	$\mu\text{g/l}$	4.44 \pm 0.272	1.02 \pm 0.51	0.621	23	-3.24
Dibromochloromethane	$\mu\text{g/l}$	5.88 \pm 0.283	1.97 \pm 0.985	0.706	33.5	-1.97
Dichloromethane	$\mu\text{g/l}$	4.68 \pm 0.573	2.39 \pm 1.195	1.03	51.1	-0.93
Tetrachloroethene	$\mu\text{g/l}$	5.11 \pm 0.44	3.24 \pm 1.62	0.868	63.4	-0.57
Tetrachloromethane	$\mu\text{g/l}$	3.58 \pm 0.167	1.07 \pm 0.535	0.573	29.9	-2.32
trans-1,2-Dichloroethene	$\mu\text{g/l}$	2.32 \pm 0.133	2.44 \pm 1.22	0.465	105	0.05

Summary of results Volatile halogenated hydrocarbons (VHH) - C75 - En-Score

Labcode: LC0004

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Tribromomethane	$\mu\text{g/l}$	7.69 \pm 0.752	2.27 \pm 1.135	1.31	29.5	-2.27
Trichloroethene	$\mu\text{g/l}$	4.36 \pm 0.228	2.59 \pm 1.295	0.654	59.4	-0.68
Trichloromethane	$\mu\text{g/l}$	5.01 \pm 0.245	2.2 \pm 1.1	0.652	43.9	-1.27



Sample: C75A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
1,1,1-Trichloroethane	$\mu\text{g/l}$	1.19 \pm 0.0546	1.06 \pm 0.13	0.179	89	-0.73
1,1-Dichloroethene	$\mu\text{g/l}$	1.09 \pm 0.0687	0.978 \pm 0.122	0.186	89.4	-0.62
1,2-Dichloroethane	$\mu\text{g/l}$	1.37 \pm 0.0714	1.26 \pm 0.16	0.178	92.1	-0.61
Bromodichloromethane	$\mu\text{g/l}$	1.12 \pm 0.0729	1.07 \pm 0.13	0.124	95.1	-0.44
cis-1,2-Dichloroethene	$\mu\text{g/l}$	1.18 \pm 0.101	1.15 \pm 0.14	0.177	97.2	-0.19
Dibromochloromethane	$\mu\text{g/l}$	1.63 \pm 0.129	1.49 \pm 0.19	0.229	91.2	-0.63
Dichloromethane	$\mu\text{g/l}$	1.37 \pm 0.125	1.19 \pm 0.15	0.22	86.6	-0.84
Tetrachloroethene	$\mu\text{g/l}$	1.29 \pm 0.084	1.3 \pm 0.16	0.22	100	0.03
Tetrachloromethane	$\mu\text{g/l}$	0.857 \pm 0.0571	0.793 \pm 0.099	0.137	92.5	-0.47
trans-1,2-Dichloroethene	$\mu\text{g/l}$	0.608 \pm 0.0587	0.566 \pm 0.071	0.122	93.1	-0.35
Tribromomethane	$\mu\text{g/l}$	2 \pm 0.2	1.91 \pm 0.24	0.341	95.3	-0.27
Trichloroethene	$\mu\text{g/l}$	1.16 \pm 0.127	1.14 \pm 0.14	0.243	98.4	-0.08
Trichloromethane	$\mu\text{g/l}$	1.38 \pm 0.0895	1.26 \pm 0.16	0.179	91.6	-0.65

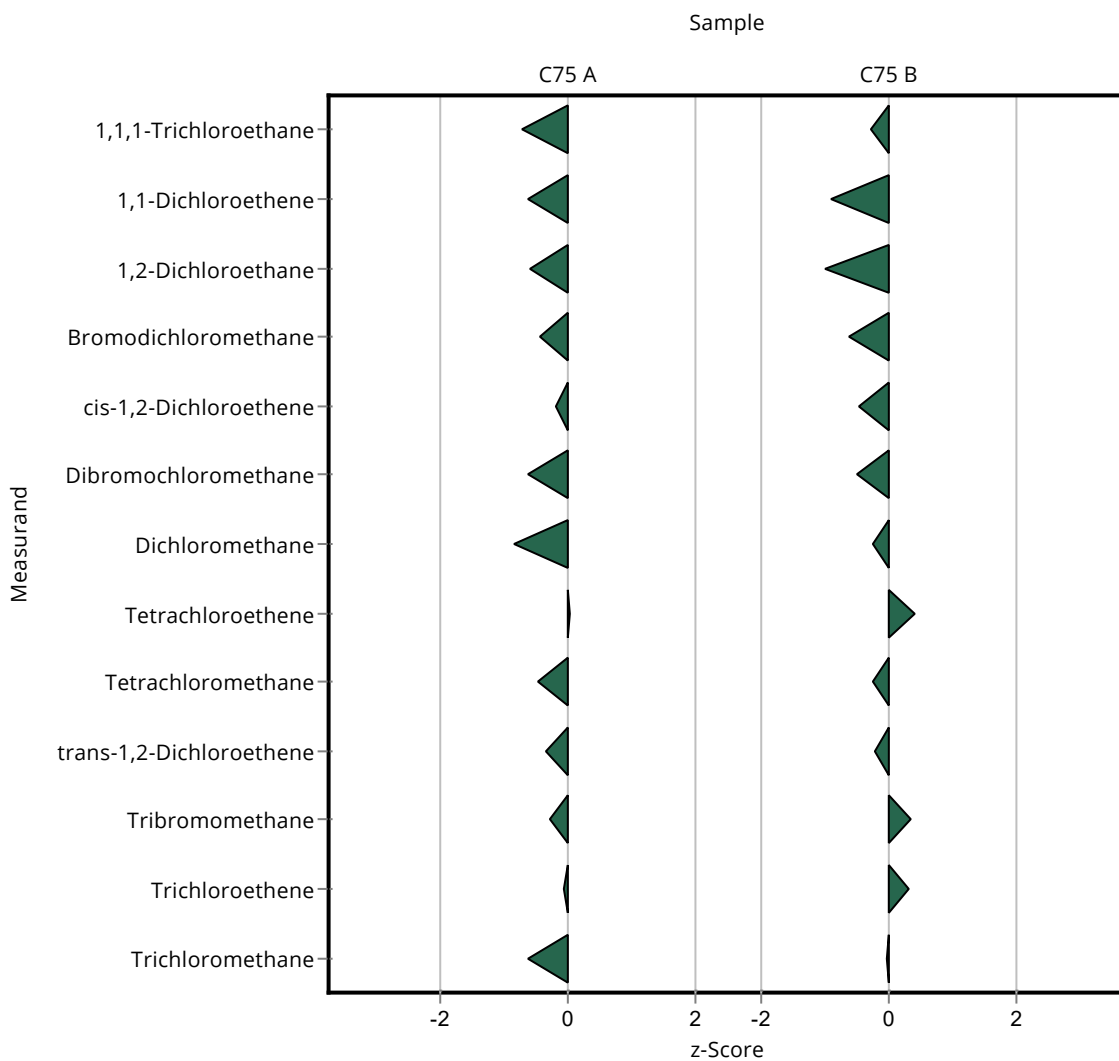
Sample: C75B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
1,1,1-Trichloroethane	$\mu\text{g/l}$	4.81 \pm 0.176	4.61 \pm 0.58	0.721	95.8	-0.28
1,1-Dichloroethene	$\mu\text{g/l}$	4.71 \pm 0.355	3.99 \pm 0.5	0.802	84.6	-0.90
1,2-Dichloroethane	$\mu\text{g/l}$	5.15 \pm 0.281	4.48 \pm 0.56	0.669	87.1	-0.99
Bromodichloromethane	$\mu\text{g/l}$	4.26 \pm 0.189	4 \pm 0.5	0.426	94	-0.60
cis-1,2-Dichloroethene	$\mu\text{g/l}$	4.44 \pm 0.272	4.15 \pm 0.52	0.621	93.6	-0.46
Dibromochloromethane	$\mu\text{g/l}$	5.88 \pm 0.283	5.53 \pm 0.69	0.706	94	-0.50
Dichloromethane	$\mu\text{g/l}$	4.68 \pm 0.573	4.43 \pm 0.55	1.03	94.7	-0.24
Tetrachloroethene	$\mu\text{g/l}$	5.11 \pm 0.44	5.47 \pm 0.68	0.868	107	0.42
Tetrachloromethane	$\mu\text{g/l}$	3.58 \pm 0.167	3.44 \pm 0.43	0.573	96.1	-0.24
trans-1,2-Dichloroethene	$\mu\text{g/l}$	2.32 \pm 0.133	2.23 \pm 0.28	0.465	95.9	-0.20

Summary of results Volatile halogenated hydrocarbons (VHH) - C75

Labcode: LC0005

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion Recovery	z-Score	Recovery [%]
Tribromomethane	$\mu\text{g/l}$	7.69 \pm 0.752	8.14 \pm 1.02	1.31	106	0.34
Trichloroethene	$\mu\text{g/l}$	4.36 \pm 0.228	4.58 \pm 0.57	0.654	105	0.33
Trichloromethane	$\mu\text{g/l}$	5.01 \pm 0.245	4.99 \pm 0.62	0.652	99.6	-0.03



Sample: C75A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
1,1,1-Trichloroethane	$\mu\text{g/l}$	1.19 \pm 0.0546	1.06 \pm 0.13	0.179	89	-0.49
1,1-Dichloroethene	$\mu\text{g/l}$	1.09 \pm 0.0687	0.978 \pm 0.122	0.186	89.4	-0.46
1,2-Dichloroethane	$\mu\text{g/l}$	1.37 \pm 0.0714	1.26 \pm 0.16	0.178	92.1	-0.33
Bromodichloromethane	$\mu\text{g/l}$	1.12 \pm 0.0729	1.07 \pm 0.13	0.124	95.1	-0.20
cis-1,2-Dichloroethene	$\mu\text{g/l}$	1.18 \pm 0.101	1.15 \pm 0.14	0.177	97.2	-0.11
Dibromochloromethane	$\mu\text{g/l}$	1.63 \pm 0.129	1.49 \pm 0.19	0.229	91.2	-0.36
Dichloromethane	$\mu\text{g/l}$	1.37 \pm 0.125	1.19 \pm 0.15	0.22	86.6	-0.57
Tetrachloroethene	$\mu\text{g/l}$	1.29 \pm 0.084	1.3 \pm 0.16	0.22	100	0.02
Tetrachloromethane	$\mu\text{g/l}$	0.857 \pm 0.0571	0.793 \pm 0.099	0.137	92.5	-0.31
trans-1,2-Dichloroethene	$\mu\text{g/l}$	0.608 \pm 0.0587	0.566 \pm 0.071	0.122	93.1	-0.27
Tribromomethane	$\mu\text{g/l}$	2 \pm 0.2	1.91 \pm 0.24	0.341	95.3	-0.18
Trichloroethene	$\mu\text{g/l}$	1.16 \pm 0.127	1.14 \pm 0.14	0.243	98.4	-0.06
Trichloromethane	$\mu\text{g/l}$	1.38 \pm 0.0895	1.26 \pm 0.16	0.179	91.6	-0.35

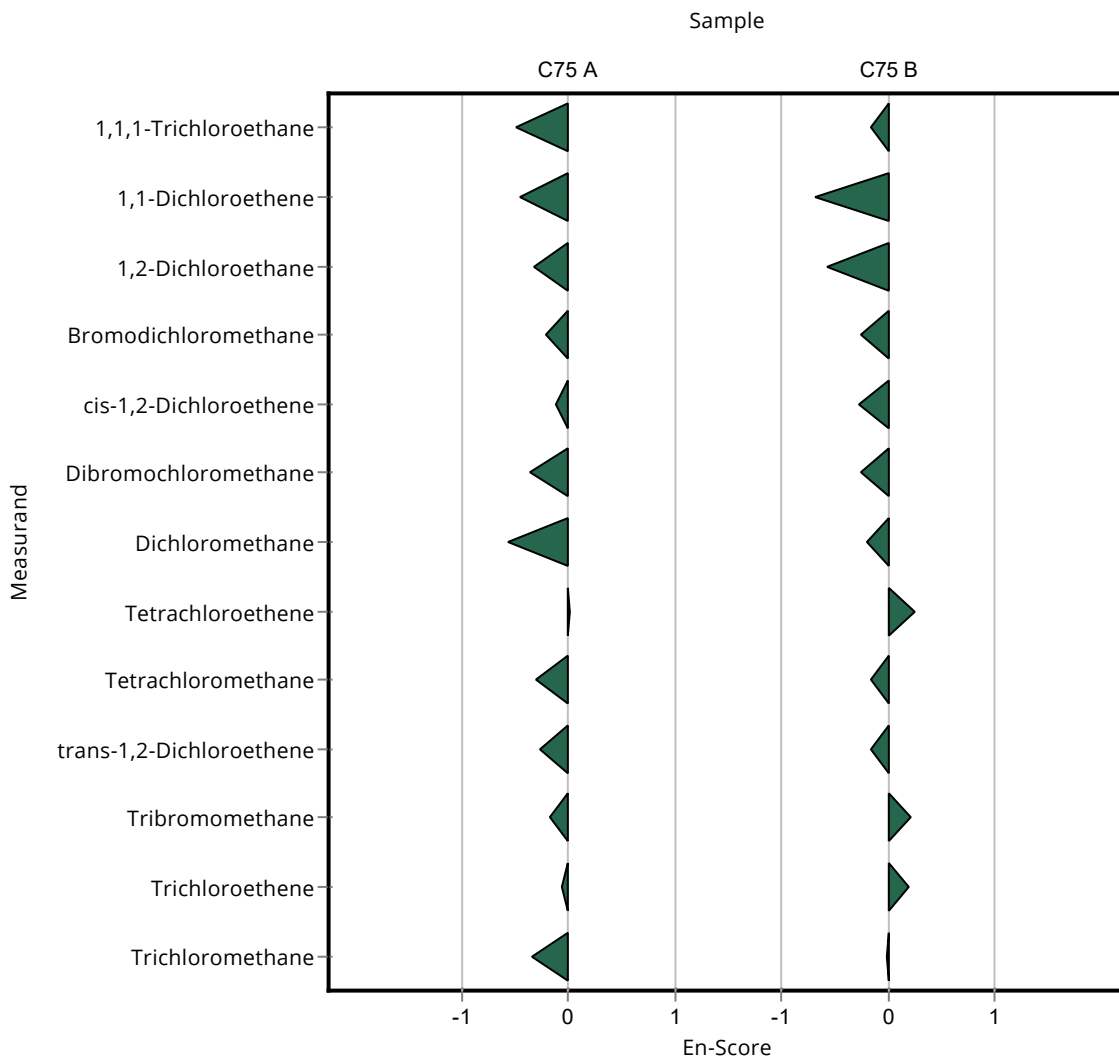
Sample: C75B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
1,1,1-Trichloroethane	$\mu\text{g/l}$	4.81 \pm 0.176	4.61 \pm 0.58	0.721	95.8	-0.17
1,1-Dichloroethene	$\mu\text{g/l}$	4.71 \pm 0.355	3.99 \pm 0.5	0.802	84.6	-0.68
1,2-Dichloroethane	$\mu\text{g/l}$	5.15 \pm 0.281	4.48 \pm 0.56	0.669	87.1	-0.58
Bromodichloromethane	$\mu\text{g/l}$	4.26 \pm 0.189	4 \pm 0.5	0.426	94	-0.25
cis-1,2-Dichloroethene	$\mu\text{g/l}$	4.44 \pm 0.272	4.15 \pm 0.52	0.621	93.6	-0.27
Dibromochloromethane	$\mu\text{g/l}$	5.88 \pm 0.283	5.53 \pm 0.69	0.706	94	-0.25
Dichloromethane	$\mu\text{g/l}$	4.68 \pm 0.573	4.43 \pm 0.55	1.03	94.7	-0.20
Tetrachloroethene	$\mu\text{g/l}$	5.11 \pm 0.44	5.47 \pm 0.68	0.868	107	0.25
Tetrachloromethane	$\mu\text{g/l}$	3.58 \pm 0.167	3.44 \pm 0.43	0.573	96.1	-0.16
trans-1,2-Dichloroethene	$\mu\text{g/l}$	2.32 \pm 0.133	2.23 \pm 0.28	0.465	95.9	-0.16

Summary of results Volatile halogenated hydrocarbons (VHH) - C75 - En-Score

Labcode: LC0005

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Tribromomethane	$\mu\text{g/l}$	7.69 \pm 0.752	8.14 \pm 1.02	1.31	106	0.21
Trichloroethene	$\mu\text{g/l}$	4.36 \pm 0.228	4.58 \pm 0.57	0.654	105	0.19
Trichloromethane	$\mu\text{g/l}$	5.01 \pm 0.245	4.99 \pm 0.62	0.652	99.6	-0.02



Sample: C75A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
1,1,1-Trichloroethane	$\mu\text{g/l}$	1.19 \pm 0.0546	1.33 \pm 0.05	0.179	112	0.78
1,1-Dichloroethene	$\mu\text{g/l}$	1.09 \pm 0.0687	1.24 \pm 0.03	0.186	113	0.79
1,2-Dichloroethane	$\mu\text{g/l}$	1.37 \pm 0.0714	1.56 \pm 0.07	0.178	114	1.08
Bromodichloromethane	$\mu\text{g/l}$	1.12 \pm 0.0729	1.28 \pm 0.1	0.124	114	1.25
cis-1,2-Dichloroethene	$\mu\text{g/l}$	1.18 \pm 0.101	1.17 \pm 0.05	0.177	98.9	-0.07
Dibromochloromethane	$\mu\text{g/l}$	1.63 \pm 0.129	1.79 \pm 0.38	0.229	110	0.68
Dichloromethane	$\mu\text{g/l}$	1.37 \pm 0.125	1.5 \pm 0.16	0.22	109	0.57
Tetrachloroethene	$\mu\text{g/l}$	1.29 \pm 0.084	1.48 \pm 0.33	0.22	114	0.84
Tetrachloromethane	$\mu\text{g/l}$	0.857 \pm 0.0571	1 \pm 0.02	0.137	117	1.04
trans-1,2-Dichloroethene	$\mu\text{g/l}$	0.608 \pm 0.0587	0.65 \pm 0.02	0.122	107	0.34
Tribromomethane	$\mu\text{g/l}$	2 \pm 0.2	2.13 \pm 0.31	0.341	106	0.37
Trichloroethene	$\mu\text{g/l}$	1.16 \pm 0.127	1.31 \pm 0.22	0.243	113	0.62
Trichloromethane	$\mu\text{g/l}$	1.38 \pm 0.0895	1.54 \pm 0.07	0.179	112	0.92

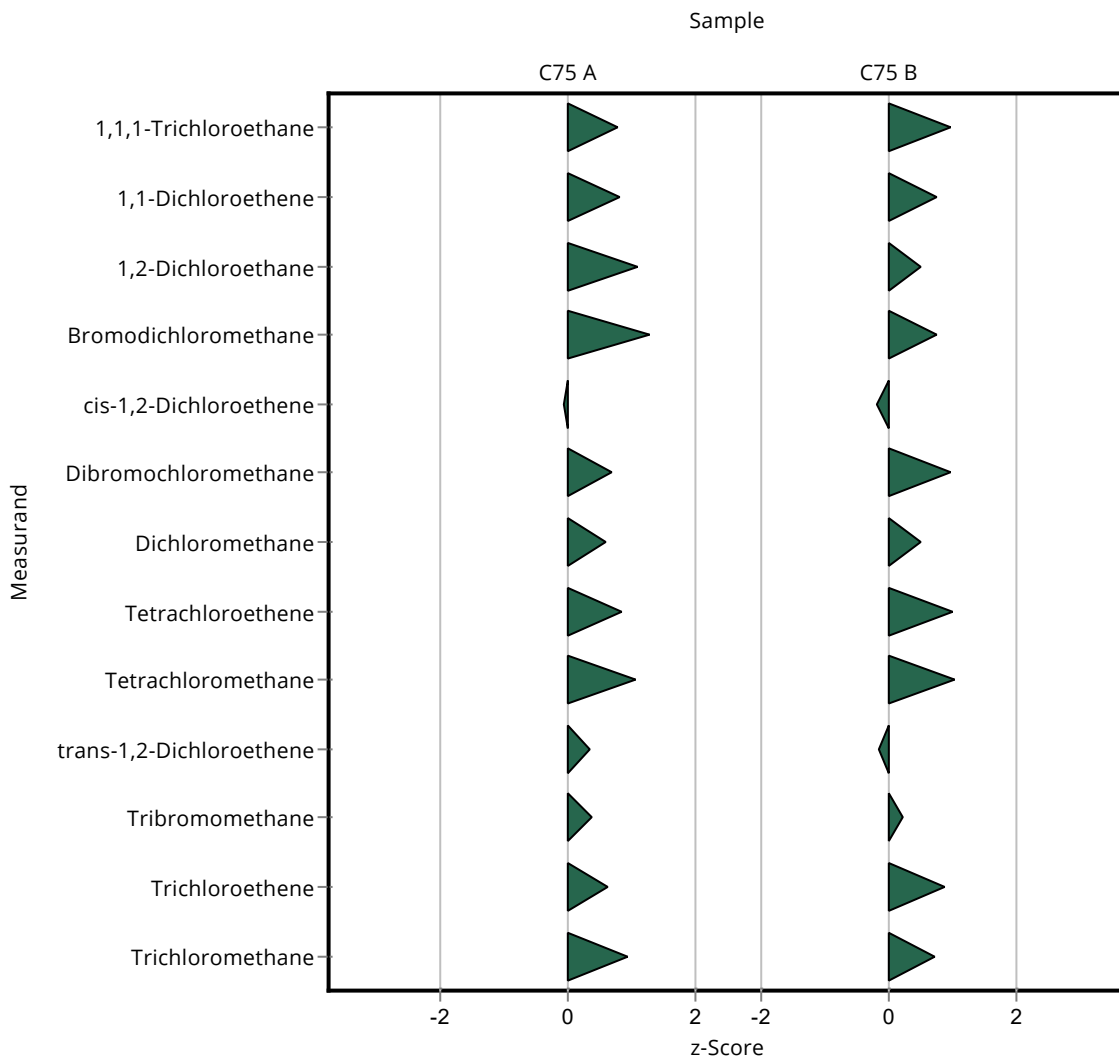
Sample: C75B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
1,1,1-Trichloroethane	$\mu\text{g/l}$	4.81 \pm 0.176	5.52 \pm 0.21	0.721	115	0.98
1,1-Dichloroethene	$\mu\text{g/l}$	4.71 \pm 0.355	5.33 \pm 0.23	0.802	113	0.77
1,2-Dichloroethane	$\mu\text{g/l}$	5.15 \pm 0.281	5.49 \pm 0.26	0.669	107	0.52
Bromodichloromethane	$\mu\text{g/l}$	4.26 \pm 0.189	4.58 \pm 0.39	0.426	108	0.76
cis-1,2-Dichloroethene	$\mu\text{g/l}$	4.44 \pm 0.272	4.32 \pm 0.16	0.621	97.4	-0.19
Dibromochloromethane	$\mu\text{g/l}$	5.88 \pm 0.283	6.57 \pm 1.41	0.706	112	0.97
Dichloromethane	$\mu\text{g/l}$	4.68 \pm 0.573	5.21 \pm 0.88	1.03	111	0.52
Tetrachloroethene	$\mu\text{g/l}$	5.11 \pm 0.44	5.98 \pm 1.33	0.868	117	1.01
Tetrachloromethane	$\mu\text{g/l}$	3.58 \pm 0.167	4.17 \pm 0.09	0.573	116	1.03
trans-1,2-Dichloroethene	$\mu\text{g/l}$	2.32 \pm 0.133	2.26 \pm 0.04	0.465	97.2	-0.14

Summary of results Volatile halogenated hydrocarbons (VHH) - C75

Labcode: LC0006

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion Recovery	Recovery z-Score	z-Score [%]
Tribromomethane	$\mu\text{g/l}$	7.69 \pm 0.752	7.98 \pm 1.16	1.31	104	0.22
Trichloroethene	$\mu\text{g/l}$	4.36 \pm 0.228	4.95 \pm 0.81	0.654	113	0.90
Trichloromethane	$\mu\text{g/l}$	5.01 \pm 0.245	5.49 \pm 0.48	0.652	110	0.73



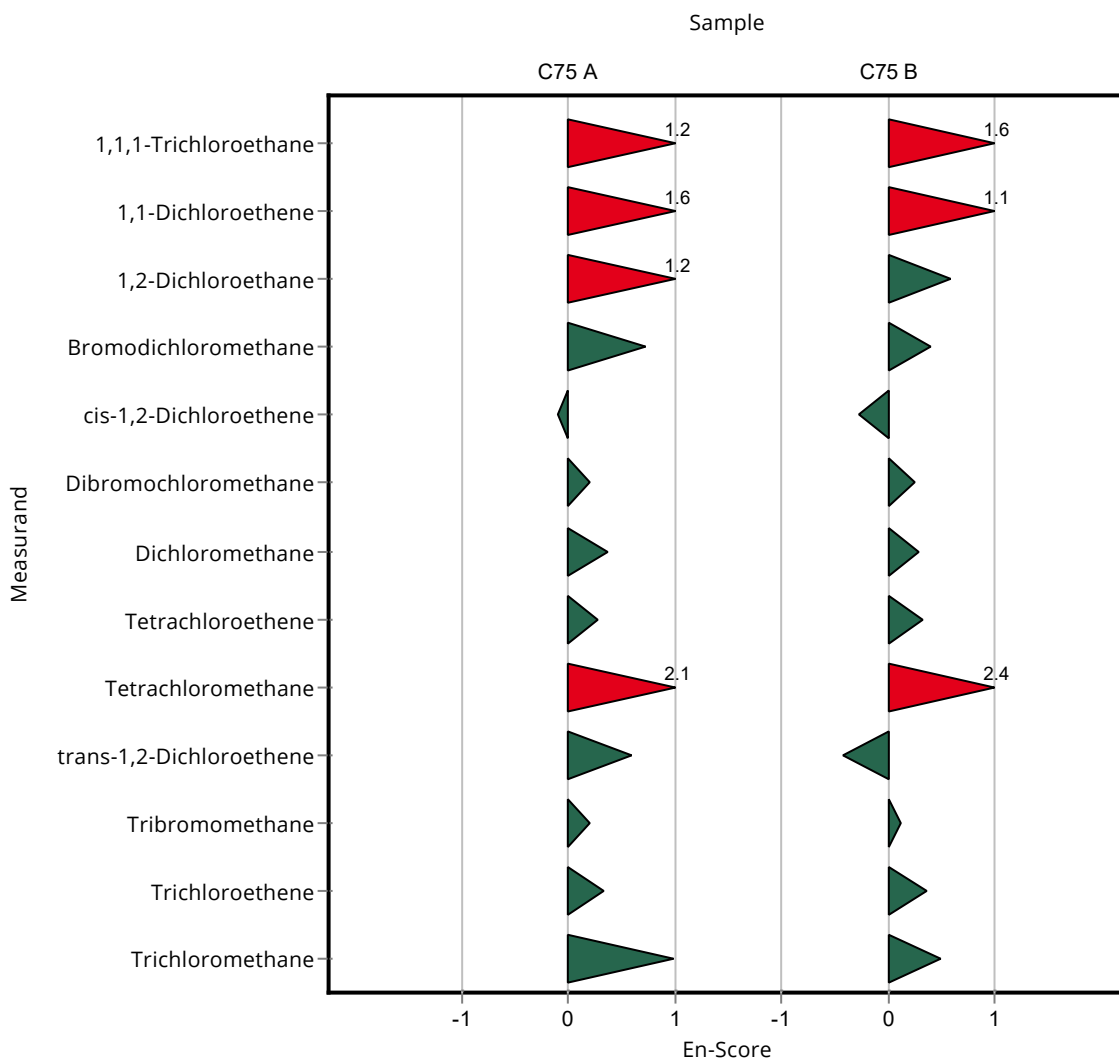
Sample: C75A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
1,1,1-Trichloroethane	$\mu\text{g/l}$	1.19 \pm 0.0546	1.33 \pm 0.05	0.179	112	1.22
1,1-Dichloroethene	$\mu\text{g/l}$	1.09 \pm 0.0687	1.24 \pm 0.03	0.186	113	1.60
1,2-Dichloroethane	$\mu\text{g/l}$	1.37 \pm 0.0714	1.56 \pm 0.07	0.178	114	1.22
Bromodichloromethane	$\mu\text{g/l}$	1.12 \pm 0.0729	1.28 \pm 0.1	0.124	114	0.73
cis-1,2-Dichloroethene	$\mu\text{g/l}$	1.18 \pm 0.101	1.17 \pm 0.05	0.177	98.9	-0.09
Dibromochloromethane	$\mu\text{g/l}$	1.63 \pm 0.129	1.79 \pm 0.38	0.229	110	0.20
Dichloromethane	$\mu\text{g/l}$	1.37 \pm 0.125	1.5 \pm 0.16	0.22	109	0.37
Tetrachloroethene	$\mu\text{g/l}$	1.29 \pm 0.084	1.48 \pm 0.33	0.22	114	0.28
Tetrachloromethane	$\mu\text{g/l}$	0.857 \pm 0.0571	1 \pm 0.02	0.137	117	2.05
trans-1,2-Dichloroethene	$\mu\text{g/l}$	0.608 \pm 0.0587	0.65 \pm 0.02	0.122	107	0.59
Tribromomethane	$\mu\text{g/l}$	2 \pm 0.2	2.13 \pm 0.31	0.341	106	0.19
Trichloroethene	$\mu\text{g/l}$	1.16 \pm 0.127	1.31 \pm 0.22	0.243	113	0.33
Trichloromethane	$\mu\text{g/l}$	1.38 \pm 0.0895	1.54 \pm 0.07	0.179	112	0.99

Sample: C75B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
1,1,1-Trichloroethane	$\mu\text{g/l}$	4.81 \pm 0.176	5.52 \pm 0.21	0.721	115	1.56
1,1-Dichloroethene	$\mu\text{g/l}$	4.71 \pm 0.355	5.33 \pm 0.23	0.802	113	1.06
1,2-Dichloroethane	$\mu\text{g/l}$	5.15 \pm 0.281	5.49 \pm 0.26	0.669	107	0.58
Bromodichloromethane	$\mu\text{g/l}$	4.26 \pm 0.189	4.58 \pm 0.39	0.426	108	0.40
cis-1,2-Dichloroethene	$\mu\text{g/l}$	4.44 \pm 0.272	4.32 \pm 0.16	0.621	97.4	-0.28
Dibromochloromethane	$\mu\text{g/l}$	5.88 \pm 0.283	6.57 \pm 1.41	0.706	112	0.24
Dichloromethane	$\mu\text{g/l}$	4.68 \pm 0.573	5.21 \pm 0.88	1.03	111	0.29
Tetrachloroethene	$\mu\text{g/l}$	5.11 \pm 0.44	5.98 \pm 1.33	0.868	117	0.32
Tetrachloromethane	$\mu\text{g/l}$	3.58 \pm 0.167	4.17 \pm 0.09	0.573	116	2.40
trans-1,2-Dichloroethene	$\mu\text{g/l}$	2.32 \pm 0.133	2.26 \pm 0.04	0.465	97.2	-0.42

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Tribromomethane	$\mu\text{g/l}$	7.69 \pm 0.752	7.98 \pm 1.16	1.31	104	0.12
Trichloroethene	$\mu\text{g/l}$	4.36 \pm 0.228	4.95 \pm 0.81	0.654	113	0.36
Trichloromethane	$\mu\text{g/l}$	5.01 \pm 0.245	5.49 \pm 0.48	0.652	110	0.48



Sample: C75A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
1,1,1-Trichloroethane	$\mu\text{g/l}$	1.19 \pm 0.0546	1.25 \pm 0.25	0.179	105	0.33
1,1-Dichloroethene	$\mu\text{g/l}$	1.09 \pm 0.0687	1.08 \pm 0.216	0.186	98.8	-0.07
1,2-Dichloroethane	$\mu\text{g/l}$	1.37 \pm 0.0714	1.45 \pm 0.29	0.178	106	0.46
Bromodichloromethane	$\mu\text{g/l}$	1.12 \pm 0.0729	1.15 \pm 0.23	0.124	102	0.20
cis-1,2-Dichloroethene	$\mu\text{g/l}$	1.18 \pm 0.101	1.27 \pm 0.254	0.177	107	0.49
Dibromochloromethane	$\mu\text{g/l}$	1.63 \pm 0.129	1.67 \pm 0.334	0.229	102	0.16
Dichloromethane	$\mu\text{g/l}$	1.37 \pm 0.125	1.42 \pm 0.284	0.22	103	0.21
Tetrachloroethene	$\mu\text{g/l}$	1.29 \pm 0.084	1.4 \pm 0.28	0.22	108	0.48
Tetrachloromethane	$\mu\text{g/l}$	0.857 \pm 0.0571	0.85 \pm 0.17	0.137	99.2	-0.05
trans-1,2-Dichloroethene	$\mu\text{g/l}$	0.608 \pm 0.0587	0.66 \pm 0.132	0.122	109	0.43
Tribromomethane	$\mu\text{g/l}$	2 \pm 0.2	2.1 \pm 0.42	0.341	105	0.28
Trichloroethene	$\mu\text{g/l}$	1.16 \pm 0.127	1.26 \pm 0.252	0.243	109	0.41
Trichloromethane	$\mu\text{g/l}$	1.38 \pm 0.0895	1.37 \pm 0.274	0.179	99.6	-0.03

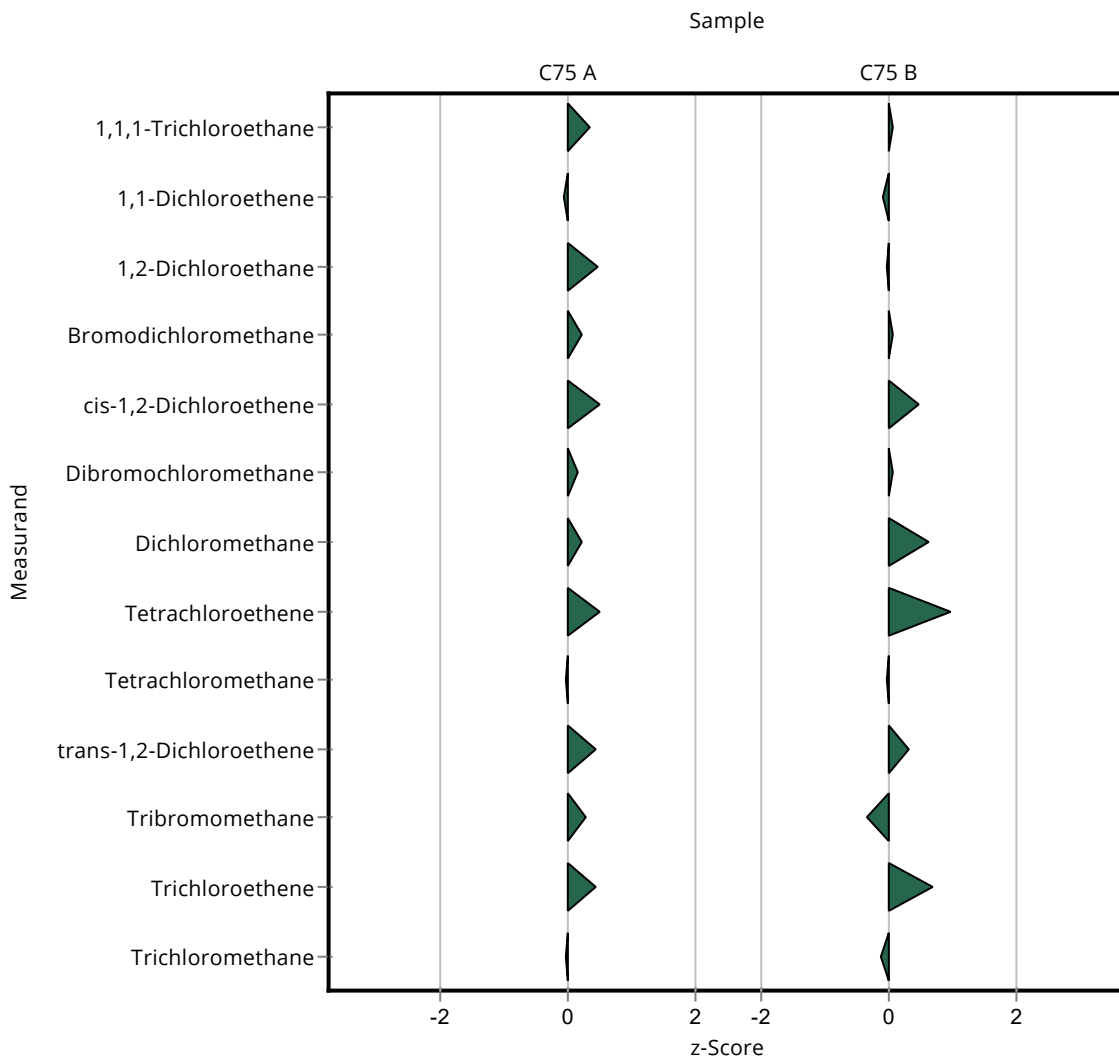
Sample: C75B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
1,1,1-Trichloroethane	$\mu\text{g/l}$	4.81 \pm 0.176	4.87 \pm 0.974	0.721	101	0.08
1,1-Dichloroethene	$\mu\text{g/l}$	4.71 \pm 0.355	4.65 \pm 0.93	0.802	98.6	-0.08
1,2-Dichloroethane	$\mu\text{g/l}$	5.15 \pm 0.281	5.14 \pm 1.028	0.669	99.9	-0.01
Bromodichloromethane	$\mu\text{g/l}$	4.26 \pm 0.189	4.28 \pm 0.856	0.426	101	0.06
cis-1,2-Dichloroethene	$\mu\text{g/l}$	4.44 \pm 0.272	4.73 \pm 0.946	0.621	107	0.47
Dibromochloromethane	$\mu\text{g/l}$	5.88 \pm 0.283	5.94 \pm 1.188	0.706	101	0.08
Dichloromethane	$\mu\text{g/l}$	4.68 \pm 0.573	5.33 \pm 1.066	1.03	114	0.63
Tetrachloroethene	$\mu\text{g/l}$	5.11 \pm 0.44	5.95 \pm 1.19	0.868	117	0.97
Tetrachloromethane	$\mu\text{g/l}$	3.58 \pm 0.167	3.57 \pm 0.714	0.573	99.7	-0.02
trans-1,2-Dichloroethene	$\mu\text{g/l}$	2.32 \pm 0.133	2.47 \pm 0.494	0.465	106	0.31

Summary of results Volatile halogenated hydrocarbons (VHH) - C75

Labcode: LC0007

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion Recovery	Recovery z-Score	z-Score [%]
Tribromomethane	$\mu\text{g/l}$	7.69 \pm 0.752	7.25 \pm 1.45	1.31	94.3	-0.34
Trichloroethene	$\mu\text{g/l}$	4.36 \pm 0.228	4.81 \pm 0.962	0.654	110	0.68
Trichloromethane	$\mu\text{g/l}$	5.01 \pm 0.245	4.93 \pm 0.986	0.652	98.4	-0.13



Sample: C75A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
1,1,1-Trichloroethane	$\mu\text{g/l}$	1.19 \pm 0.0546	1.25 \pm 0.25	0.179	105	0.12
1,1-Dichloroethene	$\mu\text{g/l}$	1.09 \pm 0.0687	1.08 \pm 0.216	0.186	98.8	-0.03
1,2-Dichloroethane	$\mu\text{g/l}$	1.37 \pm 0.0714	1.45 \pm 0.29	0.178	106	0.14
Bromodichloromethane	$\mu\text{g/l}$	1.12 \pm 0.0729	1.15 \pm 0.23	0.124	102	0.05
cis-1,2-Dichloroethene	$\mu\text{g/l}$	1.18 \pm 0.101	1.27 \pm 0.254	0.177	107	0.17
Dibromochloromethane	$\mu\text{g/l}$	1.63 \pm 0.129	1.67 \pm 0.334	0.229	102	0.05
Dichloromethane	$\mu\text{g/l}$	1.37 \pm 0.125	1.42 \pm 0.284	0.22	103	0.08
Tetrachloroethene	$\mu\text{g/l}$	1.29 \pm 0.084	1.4 \pm 0.28	0.22	108	0.19
Tetrachloromethane	$\mu\text{g/l}$	0.857 \pm 0.0571	0.85 \pm 0.17	0.137	99.2	-0.02
trans-1,2-Dichloroethene	$\mu\text{g/l}$	0.608 \pm 0.0587	0.66 \pm 0.132	0.122	109	0.19
Tribromomethane	$\mu\text{g/l}$	2 \pm 0.2	2.1 \pm 0.42	0.341	105	0.11
Trichloroethene	$\mu\text{g/l}$	1.16 \pm 0.127	1.26 \pm 0.252	0.243	109	0.19
Trichloromethane	$\mu\text{g/l}$	1.38 \pm 0.0895	1.37 \pm 0.274	0.179	99.6	-0.01

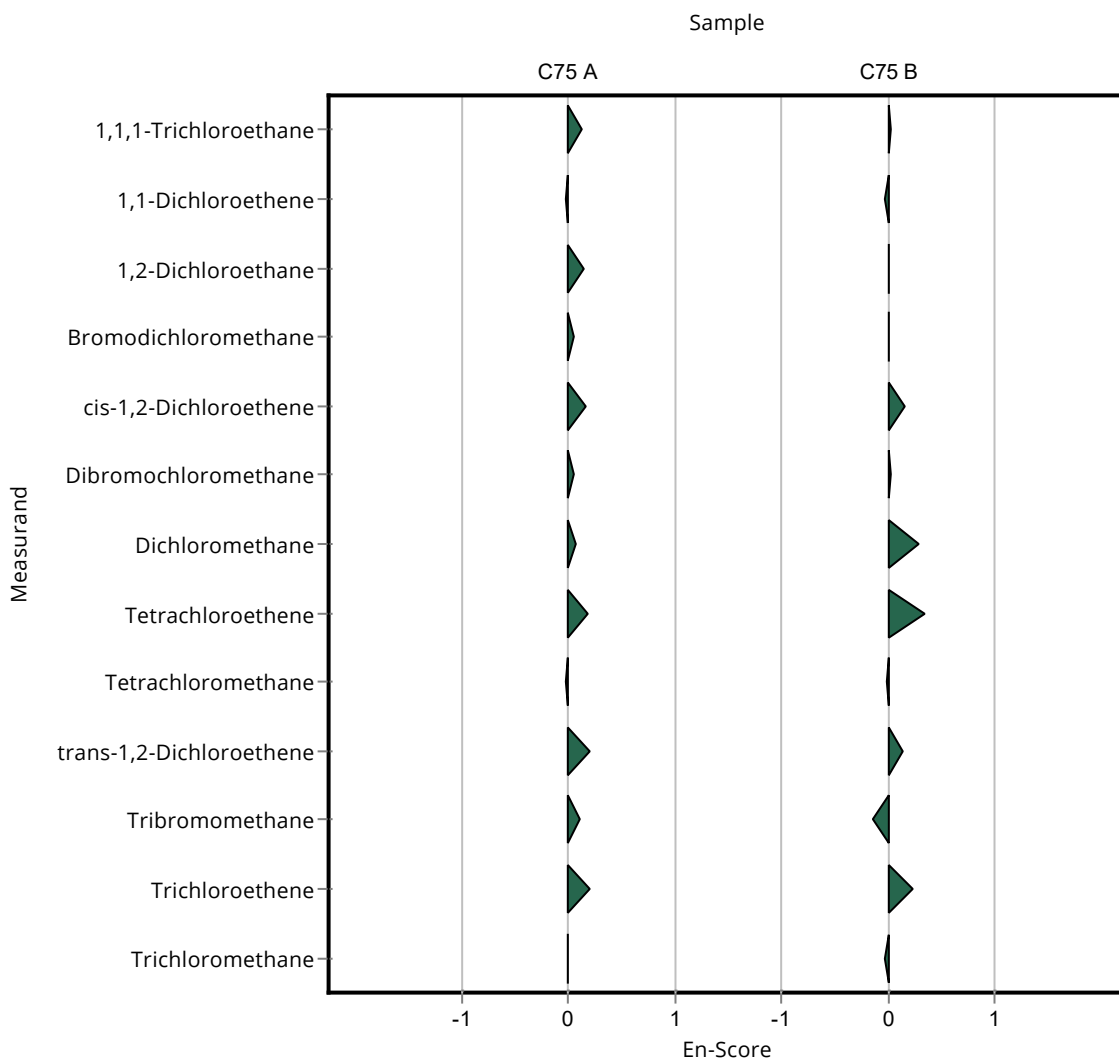
Sample: C75B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
1,1,1-Trichloroethane	$\mu\text{g/l}$	4.81 \pm 0.176	4.87 \pm 0.974	0.721	101	0.03
1,1-Dichloroethene	$\mu\text{g/l}$	4.71 \pm 0.355	4.65 \pm 0.93	0.802	98.6	-0.03
1,2-Dichloroethane	$\mu\text{g/l}$	5.15 \pm 0.281	5.14 \pm 1.028	0.669	99.9	0.00
Bromodichloromethane	$\mu\text{g/l}$	4.26 \pm 0.189	4.28 \pm 0.856	0.426	101	0.01
cis-1,2-Dichloroethene	$\mu\text{g/l}$	4.44 \pm 0.272	4.73 \pm 0.946	0.621	107	0.15
Dibromochloromethane	$\mu\text{g/l}$	5.88 \pm 0.283	5.94 \pm 1.188	0.706	101	0.02
Dichloromethane	$\mu\text{g/l}$	4.68 \pm 0.573	5.33 \pm 1.066	1.03	114	0.29
Tetrachloroethene	$\mu\text{g/l}$	5.11 \pm 0.44	5.95 \pm 1.19	0.868	117	0.35
Tetrachloromethane	$\mu\text{g/l}$	3.58 \pm 0.167	3.57 \pm 0.714	0.573	99.7	-0.01
trans-1,2-Dichloroethene	$\mu\text{g/l}$	2.32 \pm 0.133	2.47 \pm 0.494	0.465	106	0.15

Summary of results Volatile halogenated hydrocarbons (VHH) - C75 - En-Score

Labcode: LC0007

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Tribromomethane	$\mu\text{g/l}$	7.69 \pm 0.752	7.25 \pm 1.45	1.31	94.3	-0.15
Trichloroethene	$\mu\text{g/l}$	4.36 \pm 0.228	4.81 \pm 0.962	0.654	110	0.23
Trichloromethane	$\mu\text{g/l}$	5.01 \pm 0.245	4.93 \pm 0.986	0.652	98.4	-0.04



Sample: C75A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
1,1,1-Trichloroethane	$\mu\text{g/l}$	1.19 \pm 0.0546	1.22 \pm 0.24	0.179	102	0.16
1,1-Dichloroethene	$\mu\text{g/l}$	1.09 \pm 0.0687	1.08 \pm 0.22	0.186	98.8	-0.07
1,2-Dichloroethane	$\mu\text{g/l}$	1.37 \pm 0.0714	1.44 \pm 0.29	0.178	105	0.40
Bromodichloromethane	$\mu\text{g/l}$	1.12 \pm 0.0729	1.14 \pm 0.23	0.124	101	0.12
cis-1,2-Dichloroethene	$\mu\text{g/l}$	1.18 \pm 0.101	1.16 \pm 0.23	0.177	98.1	-0.13
Dibromochloromethane	$\mu\text{g/l}$	1.63 \pm 0.129	1.75 \pm 0.35	0.229	107	0.51
Dichloromethane	$\mu\text{g/l}$	1.37 \pm 0.125	1.46 \pm 0.29	0.22	106	0.39
Tetrachloroethene	$\mu\text{g/l}$	1.29 \pm 0.084	1.48 \pm 0.3	0.22	114	0.84
Tetrachloromethane	$\mu\text{g/l}$	0.857 \pm 0.0571	0.87 \pm 0.17	0.137	102	0.10
trans-1,2-Dichloroethene	$\mu\text{g/l}$	0.608 \pm 0.0587	0.53 \pm 0.11	0.122	87.2	-0.64
Tribromomethane	$\mu\text{g/l}$	2 \pm 0.2	2.26 \pm 0.45	0.341	113	0.75
Trichloroethene	$\mu\text{g/l}$	1.16 \pm 0.127	1.18 \pm 0.24	0.243	102	0.09
Trichloromethane	$\mu\text{g/l}$	1.38 \pm 0.0895	1.4 \pm 0.28	0.179	102	0.13

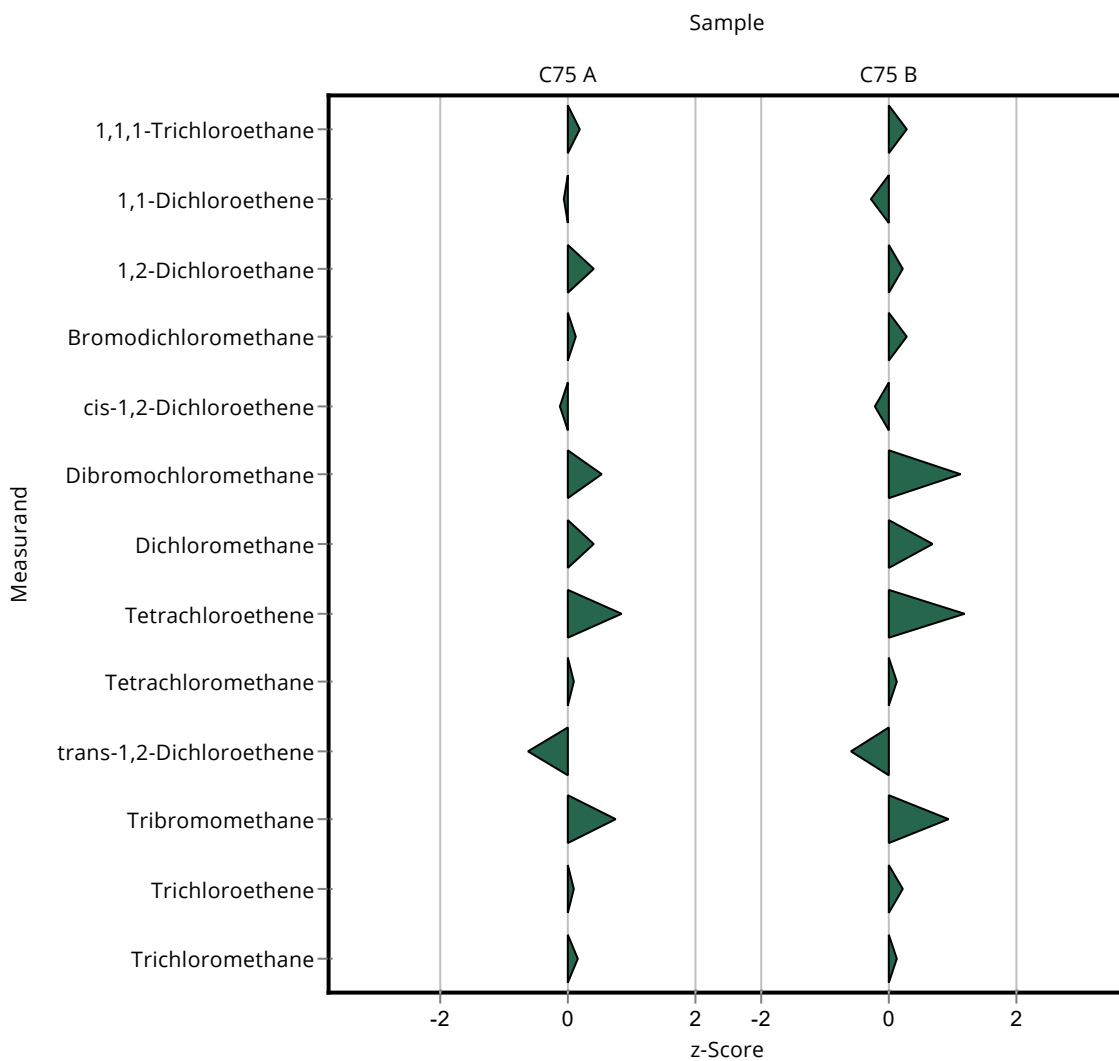
Sample: C75B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
1,1,1-Trichloroethane	$\mu\text{g/l}$	4.81 \pm 0.176	5.02 \pm 1	0.721	104	0.29
1,1-Dichloroethene	$\mu\text{g/l}$	4.71 \pm 0.355	4.5 \pm 0.9	0.802	95.4	-0.27
1,2-Dichloroethane	$\mu\text{g/l}$	5.15 \pm 0.281	5.29 \pm 1.06	0.669	103	0.22
Bromodichloromethane	$\mu\text{g/l}$	4.26 \pm 0.189	4.38 \pm 0.88	0.426	103	0.29
cis-1,2-Dichloroethene	$\mu\text{g/l}$	4.44 \pm 0.272	4.3 \pm 0.86	0.621	96.9	-0.22
Dibromochloromethane	$\mu\text{g/l}$	5.88 \pm 0.283	6.69 \pm 1.34	0.706	114	1.14
Dichloromethane	$\mu\text{g/l}$	4.68 \pm 0.573	5.4 \pm 1.08	1.03	115	0.70
Tetrachloroethene	$\mu\text{g/l}$	5.11 \pm 0.44	6.13 \pm 1.23	0.868	120	1.18
Tetrachloromethane	$\mu\text{g/l}$	3.58 \pm 0.167	3.65 \pm 0.73	0.573	102	0.12
trans-1,2-Dichloroethene	$\mu\text{g/l}$	2.32 \pm 0.133	2.06 \pm 0.41	0.465	88.6	-0.57

Summary of results Volatile halogenated hydrocarbons (VHH) - C75

Labcode: LC0008

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Tribromomethane	$\mu\text{g/l}$	7.69 \pm 0.752	8.94 \pm 1.89	1.31	116	0.96
Trichloroethene	$\mu\text{g/l}$	4.36 \pm 0.228	4.51 \pm 0.9	0.654	103	0.22
Trichloromethane	$\mu\text{g/l}$	5.01 \pm 0.245	5.1 \pm 1.02	0.652	102	0.14



Sample: C75A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
1,1,1-Trichloroethane	$\mu\text{g/l}$	1.19 \pm 0.0546	1.22 \pm 0.24	0.179	102	0.06
1,1-Dichloroethene	$\mu\text{g/l}$	1.09 \pm 0.0687	1.08 \pm 0.22	0.186	98.8	-0.03
1,2-Dichloroethane	$\mu\text{g/l}$	1.37 \pm 0.0714	1.44 \pm 0.29	0.178	105	0.12
Bromodichloromethane	$\mu\text{g/l}$	1.12 \pm 0.0729	1.14 \pm 0.23	0.124	101	0.03
cis-1,2-Dichloroethene	$\mu\text{g/l}$	1.18 \pm 0.101	1.16 \pm 0.23	0.177	98.1	-0.05
Dibromochloromethane	$\mu\text{g/l}$	1.63 \pm 0.129	1.75 \pm 0.35	0.229	107	0.16
Dichloromethane	$\mu\text{g/l}$	1.37 \pm 0.125	1.46 \pm 0.29	0.22	106	0.14
Tetrachloroethene	$\mu\text{g/l}$	1.29 \pm 0.084	1.48 \pm 0.3	0.22	114	0.31
Tetrachloromethane	$\mu\text{g/l}$	0.857 \pm 0.0571	0.87 \pm 0.17	0.137	102	0.04
trans-1,2-Dichloroethene	$\mu\text{g/l}$	0.608 \pm 0.0587	0.53 \pm 0.11	0.122	87.2	-0.34
Tribromomethane	$\mu\text{g/l}$	2 \pm 0.2	2.26 \pm 0.45	0.341	113	0.28
Trichloroethene	$\mu\text{g/l}$	1.16 \pm 0.127	1.18 \pm 0.24	0.243	102	0.04
Trichloromethane	$\mu\text{g/l}$	1.38 \pm 0.0895	1.4 \pm 0.28	0.179	102	0.04

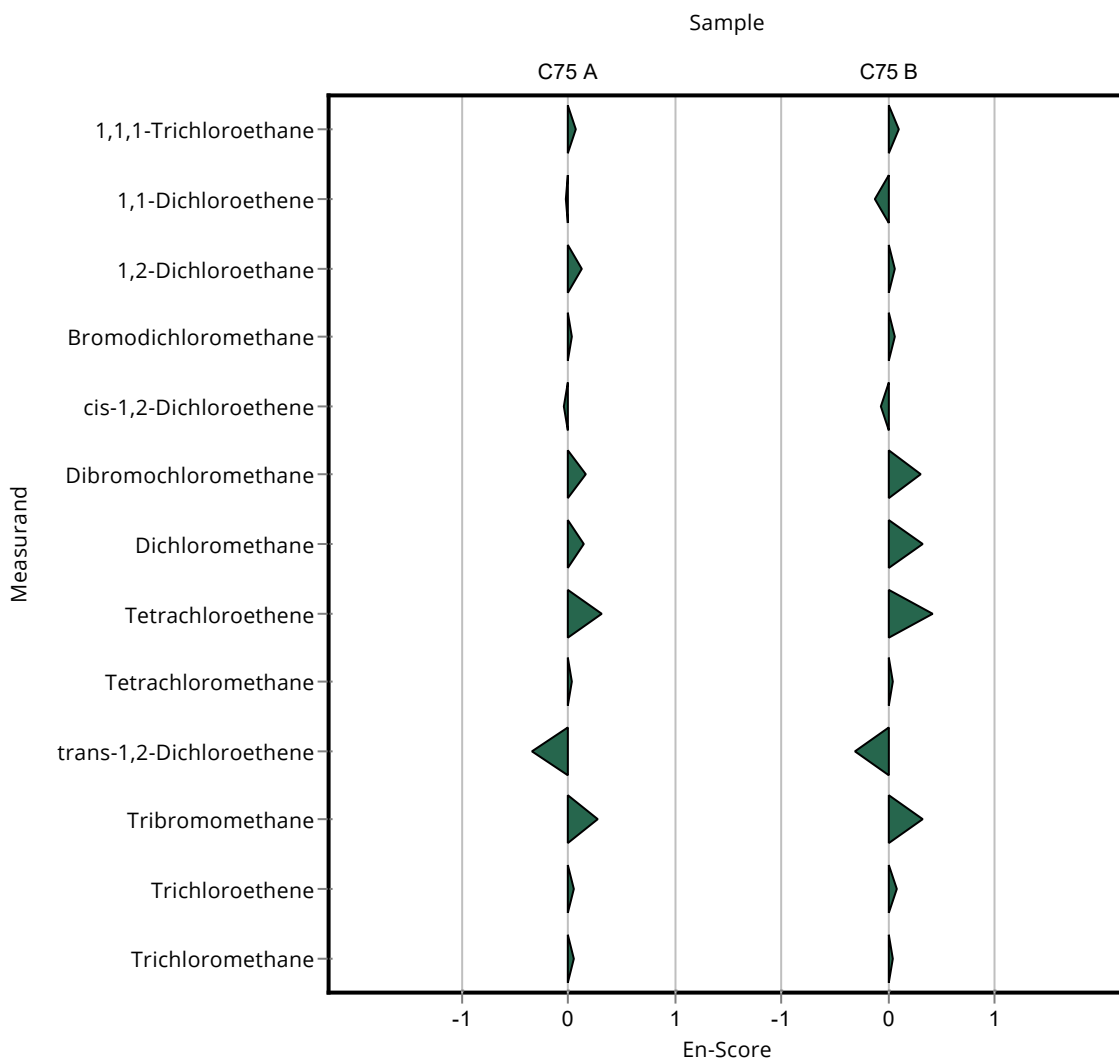
Sample: C75B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
1,1,1-Trichloroethane	$\mu\text{g/l}$	4.81 \pm 0.176	5.02 \pm 1	0.721	104	0.10
1,1-Dichloroethene	$\mu\text{g/l}$	4.71 \pm 0.355	4.5 \pm 0.9	0.802	95.4	-0.12
1,2-Dichloroethane	$\mu\text{g/l}$	5.15 \pm 0.281	5.29 \pm 1.06	0.669	103	0.07
Bromodichloromethane	$\mu\text{g/l}$	4.26 \pm 0.189	4.38 \pm 0.88	0.426	103	0.07
cis-1,2-Dichloroethene	$\mu\text{g/l}$	4.44 \pm 0.272	4.3 \pm 0.86	0.621	96.9	-0.08
Dibromochloromethane	$\mu\text{g/l}$	5.88 \pm 0.283	6.69 \pm 1.34	0.706	114	0.30
Dichloromethane	$\mu\text{g/l}$	4.68 \pm 0.573	5.4 \pm 1.08	1.03	115	0.32
Tetrachloroethene	$\mu\text{g/l}$	5.11 \pm 0.44	6.13 \pm 1.23	0.868	120	0.41
Tetrachloromethane	$\mu\text{g/l}$	3.58 \pm 0.167	3.65 \pm 0.73	0.573	102	0.05
trans-1,2-Dichloroethene	$\mu\text{g/l}$	2.32 \pm 0.133	2.06 \pm 0.41	0.465	88.6	-0.32

Summary of results Volatile halogenated hydrocarbons (VHH) - C75 - En-Score

Labcode: LC0008

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Tribromomethane	$\mu\text{g/l}$	7.69 \pm 0.752	8.94 \pm 1.89	1.31	116	0.32
Trichloroethene	$\mu\text{g/l}$	4.36 \pm 0.228	4.51 \pm 0.9	0.654	103	0.08
Trichloromethane	$\mu\text{g/l}$	5.01 \pm 0.245	5.1 \pm 1.02	0.652	102	0.04



Sample: C75A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
1,1,1-Trichloroethane	$\mu\text{g/l}$	1.19 \pm 0.0546	1.19 \pm 0.24	0.179	99.9	0.00
1,1-Dichloroethene	$\mu\text{g/l}$	1.09 \pm 0.0687	1.06 \pm 0.21	0.186	96.9	-0.18
1,2-Dichloroethane	$\mu\text{g/l}$	1.37 \pm 0.0714	1.34 \pm 0.27	0.178	97.9	-0.16
Bromodichloromethane	$\mu\text{g/l}$	1.12 \pm 0.0729	1.05 \pm 0.21	0.124	93.3	-0.61
cis-1,2-Dichloroethene	$\mu\text{g/l}$	1.18 \pm 0.101	1.07 \pm 0.21	0.177	90.5	-0.64
Dibromochloromethane	$\mu\text{g/l}$	1.63 \pm 0.129	1.46 \pm 0.29	0.229	89.3	-0.76
Dichloromethane	$\mu\text{g/l}$	1.37 \pm 0.125	1.11 \pm 0.22	0.22	80.7	-1.20
Tetrachloroethene	$\mu\text{g/l}$	1.29 \pm 0.084	1.21 \pm 0.24	0.22	93.5	-0.38
Tetrachloromethane	$\mu\text{g/l}$	0.857 \pm 0.0571	0.863 \pm 0.173	0.137	101	0.04
trans-1,2-Dichloroethene	$\mu\text{g/l}$	0.608 \pm 0.0587	0.516 \pm 0.103	0.122	84.9	-0.76
Tribromomethane	$\mu\text{g/l}$	2 \pm 0.2	1.71 \pm 0.34	0.341	85.3	-0.86
Trichloroethene	$\mu\text{g/l}$	1.16 \pm 0.127	0.992 \pm 0.397	0.243	85.6	-0.69
Trichloromethane	$\mu\text{g/l}$	1.38 \pm 0.0895	1.25 \pm 0.25	0.179	90.9	-0.70

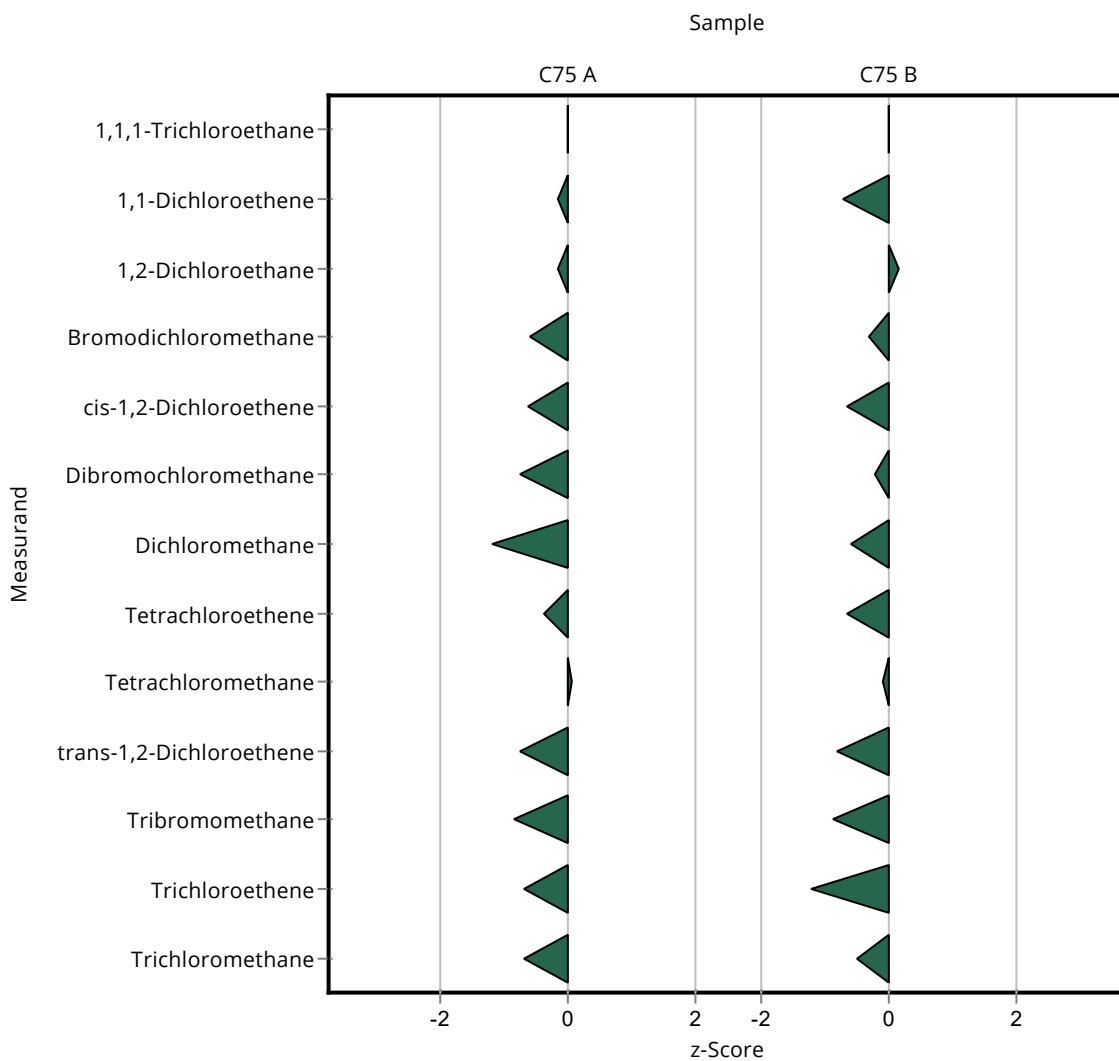
Sample: C75B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
1,1,1-Trichloroethane	$\mu\text{g/l}$	4.81 \pm 0.176	4.81 \pm 0.96	0.721	100	0.00
1,1-Dichloroethene	$\mu\text{g/l}$	4.71 \pm 0.355	4.16 \pm 0.83	0.802	88.2	-0.69
1,2-Dichloroethane	$\mu\text{g/l}$	5.15 \pm 0.281	5.26 \pm 1.05	0.669	102	0.17
Bromodichloromethane	$\mu\text{g/l}$	4.26 \pm 0.189	4.13 \pm 0.83	0.426	97	-0.30
cis-1,2-Dichloroethene	$\mu\text{g/l}$	4.44 \pm 0.272	4.04 \pm 0.81	0.621	91.1	-0.64
Dibromochloromethane	$\mu\text{g/l}$	5.88 \pm 0.283	5.74 \pm 1.15	0.706	97.5	-0.20
Dichloromethane	$\mu\text{g/l}$	4.68 \pm 0.573	4.09 \pm 0.82	1.03	87.4	-0.57
Tetrachloroethene	$\mu\text{g/l}$	5.11 \pm 0.44	4.55 \pm 0.91	0.868	89.1	-0.64
Tetrachloromethane	$\mu\text{g/l}$	3.58 \pm 0.167	3.53 \pm 0.71	0.573	98.6	-0.09
trans-1,2-Dichloroethene	$\mu\text{g/l}$	2.32 \pm 0.133	1.95 \pm 0.39	0.465	83.9	-0.81

Summary of results Volatile halogenated hydrocarbons (VHH) - C75

Labcode: LC0009

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion Recovery	Recovery z-Score	z-Score [%]
Tribromomethane	$\mu\text{g/l}$	7.69 \pm 0.752	6.55 \pm 1.31	1.31	85.2	-0.87
Trichloroethene	$\mu\text{g/l}$	4.36 \pm 0.228	3.58 \pm 1.43	0.654	82.1	-1.20
Trichloromethane	$\mu\text{g/l}$	5.01 \pm 0.245	4.7 \pm 0.94	0.652	93.8	-0.48



Sample: C75A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
1,1,1-Trichloroethane	$\mu\text{g/l}$	1.19 \pm 0.0546	1.19 \pm 0.24	0.179	99.9	0.00
1,1-Dichloroethene	$\mu\text{g/l}$	1.09 \pm 0.0687	1.06 \pm 0.21	0.186	96.9	-0.08
1,2-Dichloroethane	$\mu\text{g/l}$	1.37 \pm 0.0714	1.34 \pm 0.27	0.178	97.9	-0.05
Bromodichloromethane	$\mu\text{g/l}$	1.12 \pm 0.0729	1.05 \pm 0.21	0.124	93.3	-0.18
cis-1,2-Dichloroethene	$\mu\text{g/l}$	1.18 \pm 0.101	1.07 \pm 0.21	0.177	90.5	-0.26
Dibromochloromethane	$\mu\text{g/l}$	1.63 \pm 0.129	1.46 \pm 0.29	0.229	89.3	-0.29
Dichloromethane	$\mu\text{g/l}$	1.37 \pm 0.125	1.11 \pm 0.22	0.22	80.7	-0.58
Tetrachloroethene	$\mu\text{g/l}$	1.29 \pm 0.084	1.21 \pm 0.24	0.22	93.5	-0.17
Tetrachloromethane	$\mu\text{g/l}$	0.857 \pm 0.0571	0.863 \pm 0.173	0.137	101	0.02
trans-1,2-Dichloroethene	$\mu\text{g/l}$	0.608 \pm 0.0587	0.516 \pm 0.103	0.122	84.9	-0.43
Tribromomethane	$\mu\text{g/l}$	2 \pm 0.2	1.71 \pm 0.34	0.341	85.3	-0.41
Trichloroethene	$\mu\text{g/l}$	1.16 \pm 0.127	0.992 \pm 0.397	0.243	85.6	-0.21
Trichloromethane	$\mu\text{g/l}$	1.38 \pm 0.0895	1.25 \pm 0.25	0.179	90.9	-0.25

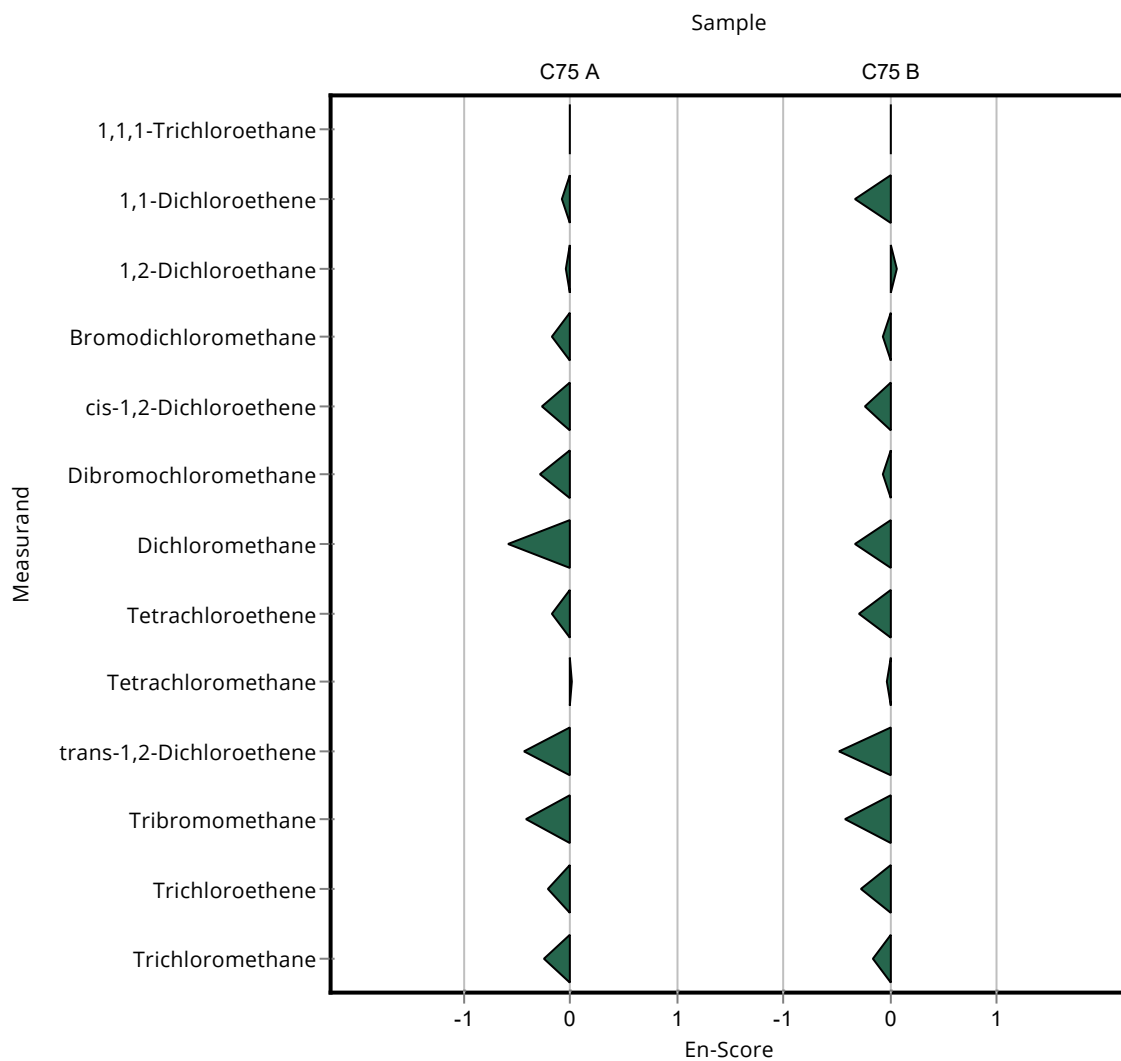
Sample: C75B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
1,1,1-Trichloroethane	$\mu\text{g/l}$	4.81 \pm 0.176	4.81 \pm 0.96	0.721	100	0.00
1,1-Dichloroethene	$\mu\text{g/l}$	4.71 \pm 0.355	4.16 \pm 0.83	0.802	88.2	-0.33
1,2-Dichloroethane	$\mu\text{g/l}$	5.15 \pm 0.281	5.26 \pm 1.05	0.669	102	0.05
Bromodichloromethane	$\mu\text{g/l}$	4.26 \pm 0.189	4.13 \pm 0.83	0.426	97	-0.08
cis-1,2-Dichloroethene	$\mu\text{g/l}$	4.44 \pm 0.272	4.04 \pm 0.81	0.621	91.1	-0.24
Dibromochloromethane	$\mu\text{g/l}$	5.88 \pm 0.283	5.74 \pm 1.15	0.706	97.5	-0.06
Dichloromethane	$\mu\text{g/l}$	4.68 \pm 0.573	4.09 \pm 0.82	1.03	87.4	-0.34
Tetrachloroethene	$\mu\text{g/l}$	5.11 \pm 0.44	4.55 \pm 0.91	0.868	89.1	-0.30
Tetrachloromethane	$\mu\text{g/l}$	3.58 \pm 0.167	3.53 \pm 0.71	0.573	98.6	-0.03
trans-1,2-Dichloroethene	$\mu\text{g/l}$	2.32 \pm 0.133	1.95 \pm 0.39	0.465	83.9	-0.47

Summary of results Volatile halogenated hydrocarbons (VHH) - C75 - En-Score

Labcode: LC0009

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Tribromomethane	$\mu\text{g/l}$	7.69 \pm 0.752	6.55 \pm 1.31	1.31	85.2	-0.42
Trichloroethene	$\mu\text{g/l}$	4.36 \pm 0.228	3.58 \pm 1.43	0.654	82.1	-0.27
Trichloromethane	$\mu\text{g/l}$	5.01 \pm 0.245	4.7 \pm 0.94	0.652	93.8	-0.16



Sample: C75A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
1,1,1-Trichloroethane	$\mu\text{g/l}$	1.19 \pm 0.0546	1.09 \pm 0.015	0.179	91.5	-0.56
1,1-Dichloroethene	$\mu\text{g/l}$	1.09 \pm 0.0687	1.08 \pm 0.015	0.186	98.8	-0.07
1,2-Dichloroethane	$\mu\text{g/l}$	1.37 \pm 0.0714	1.1 \pm 0.006	0.178	80.4	-1.51
Bromodichloromethane	$\mu\text{g/l}$	1.12 \pm 0.0729	0.977 \pm 0.01	0.124	86.9	-1.20
cis-1,2-Dichloroethene	$\mu\text{g/l}$	1.18 \pm 0.101	0.893 \pm 0.009	0.177	75.5	-1.63
Dibromochloromethane	$\mu\text{g/l}$	1.63 \pm 0.129	1.46 \pm 0.046	0.229	89.3	-0.76
Dichloromethane	$\mu\text{g/l}$	1.37 \pm 0.125	1.14 \pm 0.006	0.22	82.9	-1.07
Tetrachloroethene	$\mu\text{g/l}$	1.29 \pm 0.084	1.18 \pm 0.017	0.22	91.2	-0.52
Tetrachloromethane	$\mu\text{g/l}$	0.857 \pm 0.0571	0.734 \pm 0.014	0.137	85.7	-0.90
trans-1,2-Dichloroethene	$\mu\text{g/l}$	0.608 \pm 0.0587	0.442 \pm 0.008	0.122	72.7	-1.37
Tribromomethane	$\mu\text{g/l}$	2 \pm 0.2	1.57 \pm 0.053	0.341	78.4	-1.27
Trichloroethene	$\mu\text{g/l}$	1.16 \pm 0.127	0.958 \pm 0.014	0.243	82.7	-0.83
Trichloromethane	$\mu\text{g/l}$	1.38 \pm 0.0895	1.2 \pm 0.068	0.179	87.2	-0.98

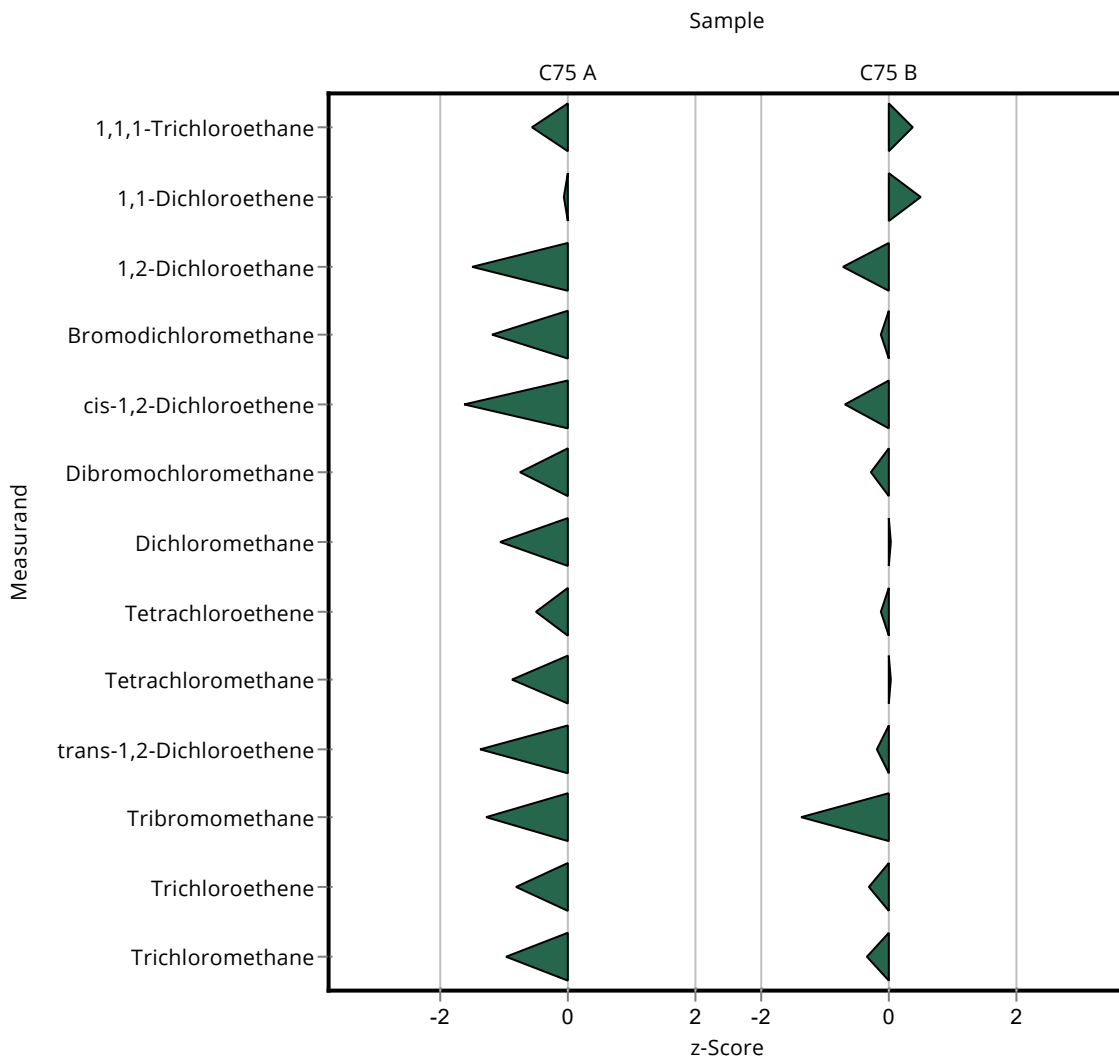
Sample: C75B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
1,1,1-Trichloroethane	$\mu\text{g/l}$	4.81 \pm 0.176	5.09 \pm 0.125	0.721	106	0.39
1,1-Dichloroethene	$\mu\text{g/l}$	4.71 \pm 0.355	5.13 \pm 0.155	0.802	109	0.52
1,2-Dichloroethane	$\mu\text{g/l}$	5.15 \pm 0.281	4.67 \pm 0.163	0.669	90.8	-0.71
Bromodichloromethane	$\mu\text{g/l}$	4.26 \pm 0.189	4.21 \pm 0.116	0.426	98.9	-0.11
cis-1,2-Dichloroethene	$\mu\text{g/l}$	4.44 \pm 0.272	4.02 \pm 0.129	0.621	90.6	-0.67
Dibromochloromethane	$\mu\text{g/l}$	5.88 \pm 0.283	5.69 \pm 0.146	0.706	96.7	-0.28
Dichloromethane	$\mu\text{g/l}$	4.68 \pm 0.573	4.73 \pm 0.151	1.03	101	0.05
Tetrachloroethene	$\mu\text{g/l}$	5.11 \pm 0.44	5.02 \pm 0.178	0.868	98.3	-0.10
Tetrachloromethane	$\mu\text{g/l}$	3.58 \pm 0.167	3.61 \pm 0.087	0.573	101	0.05
trans-1,2-Dichloroethene	$\mu\text{g/l}$	2.32 \pm 0.133	2.24 \pm 0.07	0.465	96.4	-0.18

Summary of results Volatile halogenated hydrocarbons (VHH) - C75

Labcode: LC0010

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion Recovery [%]	Recovery z-Score
Tribromomethane	$\mu\text{g/l}$	7.69 \pm 0.752	5.9 \pm 0.217	1.31	76.7 -1.37
Trichloroethene	$\mu\text{g/l}$	4.36 \pm 0.228	4.17 \pm 0.148	0.654	95.6 -0.29
Trichloromethane	$\mu\text{g/l}$	5.01 \pm 0.245	4.8 \pm 0.154	0.652	95.8 -0.32



Sample: C75A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
1,1,1-Trichloroethane	$\mu\text{g/l}$	1.19 \pm 0.0546	1.09 \pm 0.015	0.179	91.5	-1.62
1,1-Dichloroethene	$\mu\text{g/l}$	1.09 \pm 0.0687	1.08 \pm 0.015	0.186	98.8	-0.18
1,2-Dichloroethane	$\mu\text{g/l}$	1.37 \pm 0.0714	1.1 \pm 0.006	0.178	80.4	-3.71
Bromodichloromethane	$\mu\text{g/l}$	1.12 \pm 0.0729	0.977 \pm 0.01	0.124	86.9	-1.96
cis-1,2-Dichloroethene	$\mu\text{g/l}$	1.18 \pm 0.101	0.893 \pm 0.009	0.177	75.5	-2.82
Dibromochloromethane	$\mu\text{g/l}$	1.63 \pm 0.129	1.46 \pm 0.046	0.229	89.3	-1.10
Dichloromethane	$\mu\text{g/l}$	1.37 \pm 0.125	1.14 \pm 0.006	0.22	82.9	-1.87
Tetrachloroethene	$\mu\text{g/l}$	1.29 \pm 0.084	1.18 \pm 0.017	0.22	91.2	-1.26
Tetrachloromethane	$\mu\text{g/l}$	0.857 \pm 0.0571	0.734 \pm 0.014	0.137	85.7	-1.93
trans-1,2-Dichloroethene	$\mu\text{g/l}$	0.608 \pm 0.0587	0.442 \pm 0.008	0.122	72.7	-2.73
Tribromomethane	$\mu\text{g/l}$	2 \pm 0.2	1.57 \pm 0.053	0.341	78.4	-1.92
Trichloroethene	$\mu\text{g/l}$	1.16 \pm 0.127	0.958 \pm 0.014	0.243	82.7	-1.55
Trichloromethane	$\mu\text{g/l}$	1.38 \pm 0.0895	1.2 \pm 0.068	0.179	87.2	-1.08

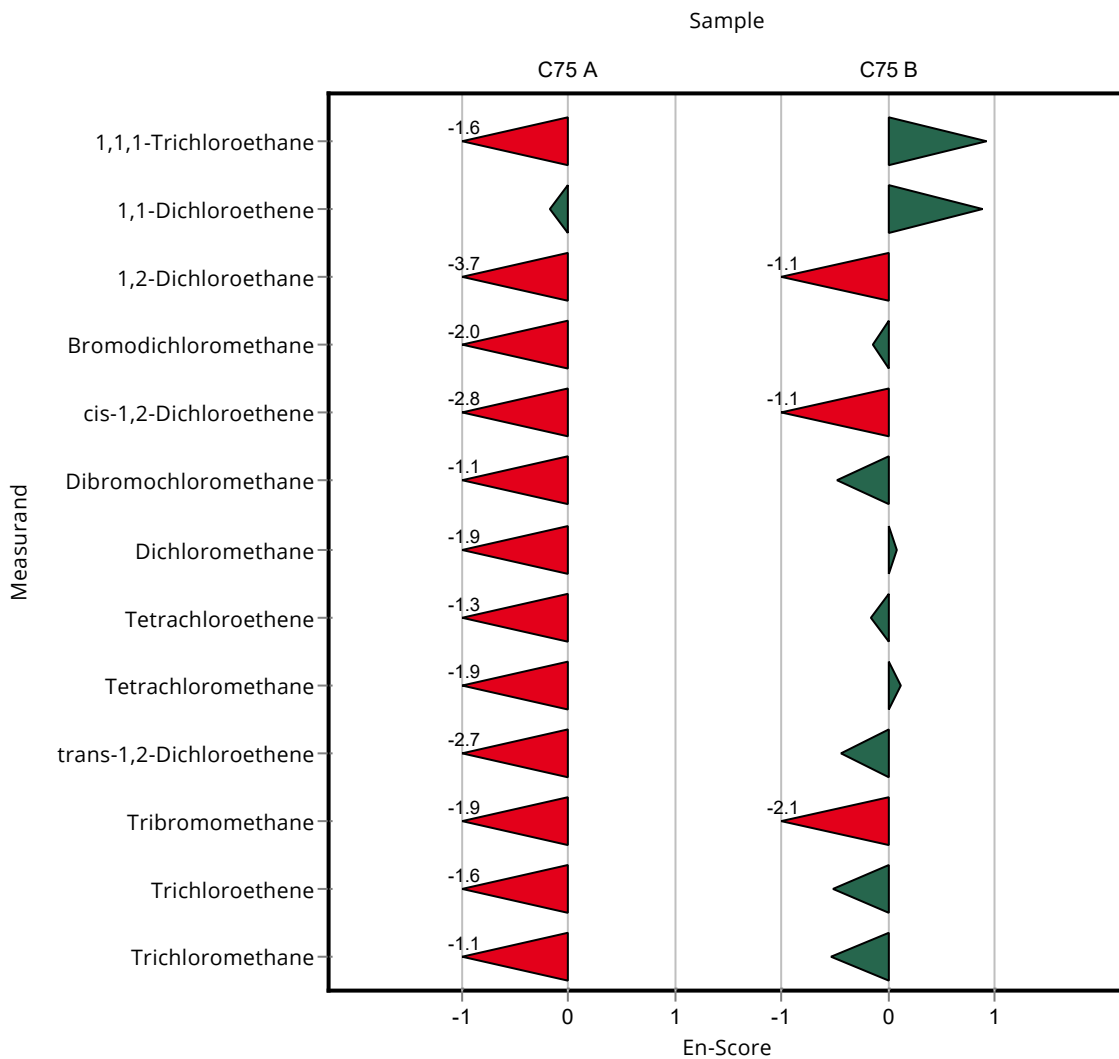
Sample: C75B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
1,1,1-Trichloroethane	$\mu\text{g/l}$	4.81 \pm 0.176	5.09 \pm 0.125	0.721	106	0.92
1,1-Dichloroethene	$\mu\text{g/l}$	4.71 \pm 0.355	5.13 \pm 0.155	0.802	109	0.88
1,2-Dichloroethane	$\mu\text{g/l}$	5.15 \pm 0.281	4.67 \pm 0.163	0.669	90.8	-1.10
Bromodichloromethane	$\mu\text{g/l}$	4.26 \pm 0.189	4.21 \pm 0.116	0.426	98.9	-0.15
cis-1,2-Dichloroethene	$\mu\text{g/l}$	4.44 \pm 0.272	4.02 \pm 0.129	0.621	90.6	-1.11
Dibromochloromethane	$\mu\text{g/l}$	5.88 \pm 0.283	5.69 \pm 0.146	0.706	96.7	-0.48
Dichloromethane	$\mu\text{g/l}$	4.68 \pm 0.573	4.73 \pm 0.151	1.03	101	0.08
Tetrachloroethene	$\mu\text{g/l}$	5.11 \pm 0.44	5.02 \pm 0.178	0.868	98.3	-0.15
Tetrachloromethane	$\mu\text{g/l}$	3.58 \pm 0.167	3.61 \pm 0.087	0.573	101	0.13
trans-1,2-Dichloroethene	$\mu\text{g/l}$	2.32 \pm 0.133	2.24 \pm 0.07	0.465	96.4	-0.44

Summary of results Volatile halogenated hydrocarbons (VHH) - C75 - En-Score

Labcode: LC0010

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Tribromomethane	$\mu\text{g/l}$	7.69 \pm 0.752	5.9 \pm 0.217	1.31	76.7	-2.06
Trichloroethene	$\mu\text{g/l}$	4.36 \pm 0.228	4.17 \pm 0.148	0.654	95.6	-0.52
Trichloromethane	$\mu\text{g/l}$	5.01 \pm 0.245	4.8 \pm 0.154	0.652	95.8	-0.54



Sample: C75A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
1,1,1-Trichloroethane	$\mu\text{g/l}$	1.19 \pm 0.0546	1.15 \pm 0.15	0.179	96.6	-0.23
1,1-Dichloroethene	$\mu\text{g/l}$	1.09 \pm 0.0687	- \pm -	0.186	-	-
1,2-Dichloroethane	$\mu\text{g/l}$	1.37 \pm 0.0714	- \pm -	0.178	-	-
Bromodichloromethane	$\mu\text{g/l}$	1.12 \pm 0.0729	1.06 \pm 0.1	0.124	94.2	-0.52
cis-1,2-Dichloroethene	$\mu\text{g/l}$	1.18 \pm 0.101	- \pm -	0.177	-	-
Dibromochloromethane	$\mu\text{g/l}$	1.63 \pm 0.129	1.59 \pm 0.15	0.229	97.3	-0.19
Dichloromethane	$\mu\text{g/l}$	1.37 \pm 0.125	- \pm -	0.22	-	-
Tetrachloroethene	$\mu\text{g/l}$	1.29 \pm 0.084	1.46 \pm 0.18	0.22	113	0.75
Tetrachloromethane	$\mu\text{g/l}$	0.857 \pm 0.0571	0.74 \pm 0.1	0.137	86.4	-0.85
trans-1,2-Dichloroethene	$\mu\text{g/l}$	0.608 \pm 0.0587	- \pm -	0.122	-	-
Tribromomethane	$\mu\text{g/l}$	2 \pm 0.2	2.06 \pm 0.22	0.341	103	0.17
Trichloroethene	$\mu\text{g/l}$	1.16 \pm 0.127	1.1 \pm 0.15	0.243	94.9	-0.24
Trichloromethane	$\mu\text{g/l}$	1.38 \pm 0.0895	1.23 \pm 0.18	0.179	89.4	-0.82

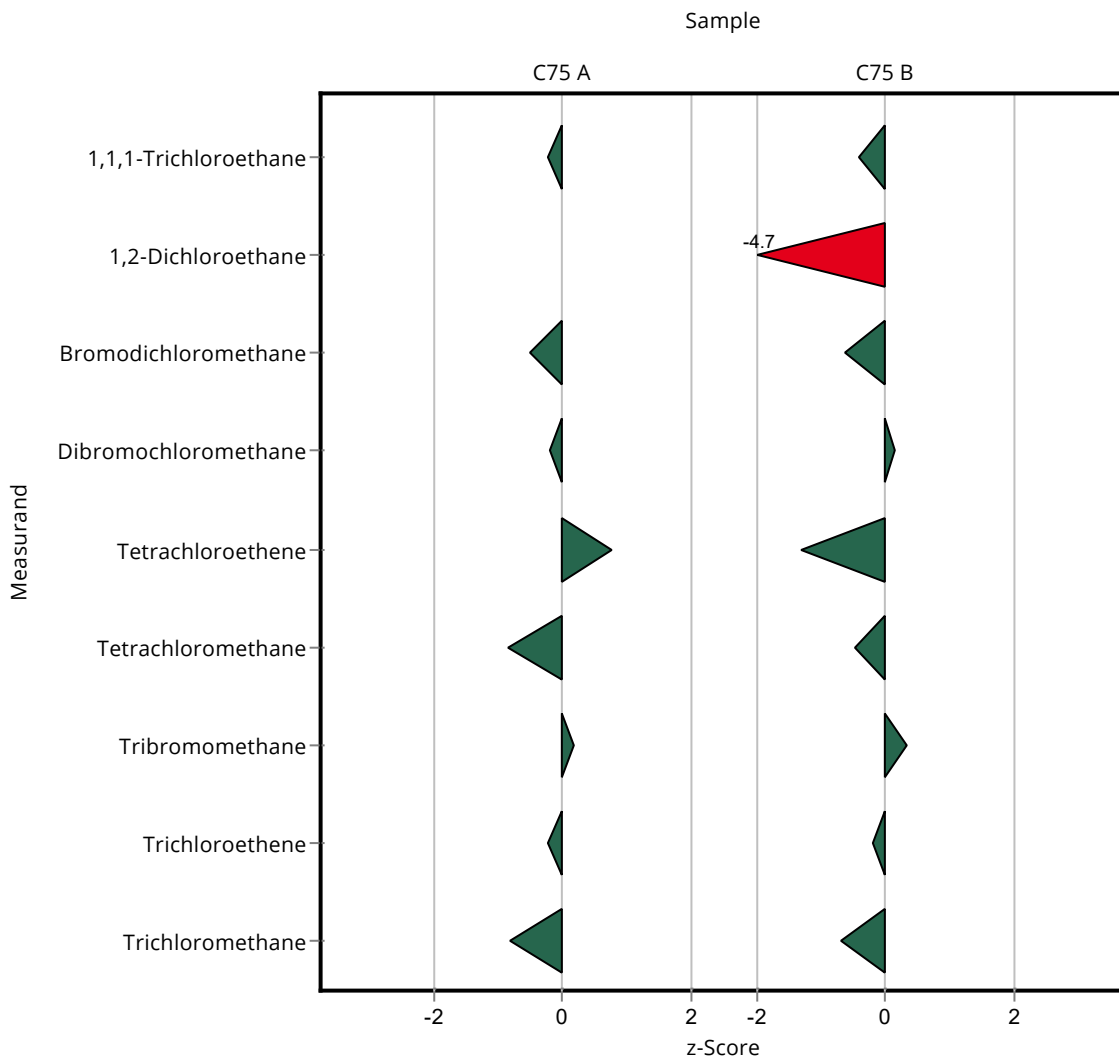
Sample: C75B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
1,1,1-Trichloroethane	$\mu\text{g/l}$	4.81 \pm 0.176	4.52 \pm 0.37	0.721	94	-0.40
1,1-Dichloroethene	$\mu\text{g/l}$	4.71 \pm 0.355	- \pm -	0.802	-	-
1,2-Dichloroethane	$\mu\text{g/l}$	5.15 \pm 0.281	2.02 \pm 0.21	0.669	39.3	-4.67
Bromodichloromethane	$\mu\text{g/l}$	4.26 \pm 0.189	3.98 \pm 0.22	0.426	93.5	-0.65
cis-1,2-Dichloroethene	$\mu\text{g/l}$	4.44 \pm 0.272	- \pm -	0.621	-	-
Dibromochloromethane	$\mu\text{g/l}$	5.88 \pm 0.283	5.98 \pm 0.42	0.706	102	0.13
Dichloromethane	$\mu\text{g/l}$	4.68 \pm 0.573	- \pm -	1.03	-	-
Tetrachloroethene	$\mu\text{g/l}$	5.11 \pm 0.44	3.96 \pm 0.25	0.868	77.5	-1.32
Tetrachloromethane	$\mu\text{g/l}$	3.58 \pm 0.167	3.31 \pm 0.15	0.573	92.5	-0.47
trans-1,2-Dichloroethene	$\mu\text{g/l}$	2.32 \pm 0.133	- \pm -	0.465	-	-

Summary of results Volatile halogenated hydrocarbons (VHH) - C75

Labcode: LC0011

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion Recovery [%]	z-Score
Tribromomethane	$\mu\text{g/l}$	7.69 \pm 0.752	8.11 \pm 0.58	105	0.32
Trichloroethene	$\mu\text{g/l}$	4.36 \pm 0.228	4.23 \pm 0.44	97	-0.20
Trichloromethane	$\mu\text{g/l}$	5.01 \pm 0.245	4.55 \pm 0.43	90.8	-0.71



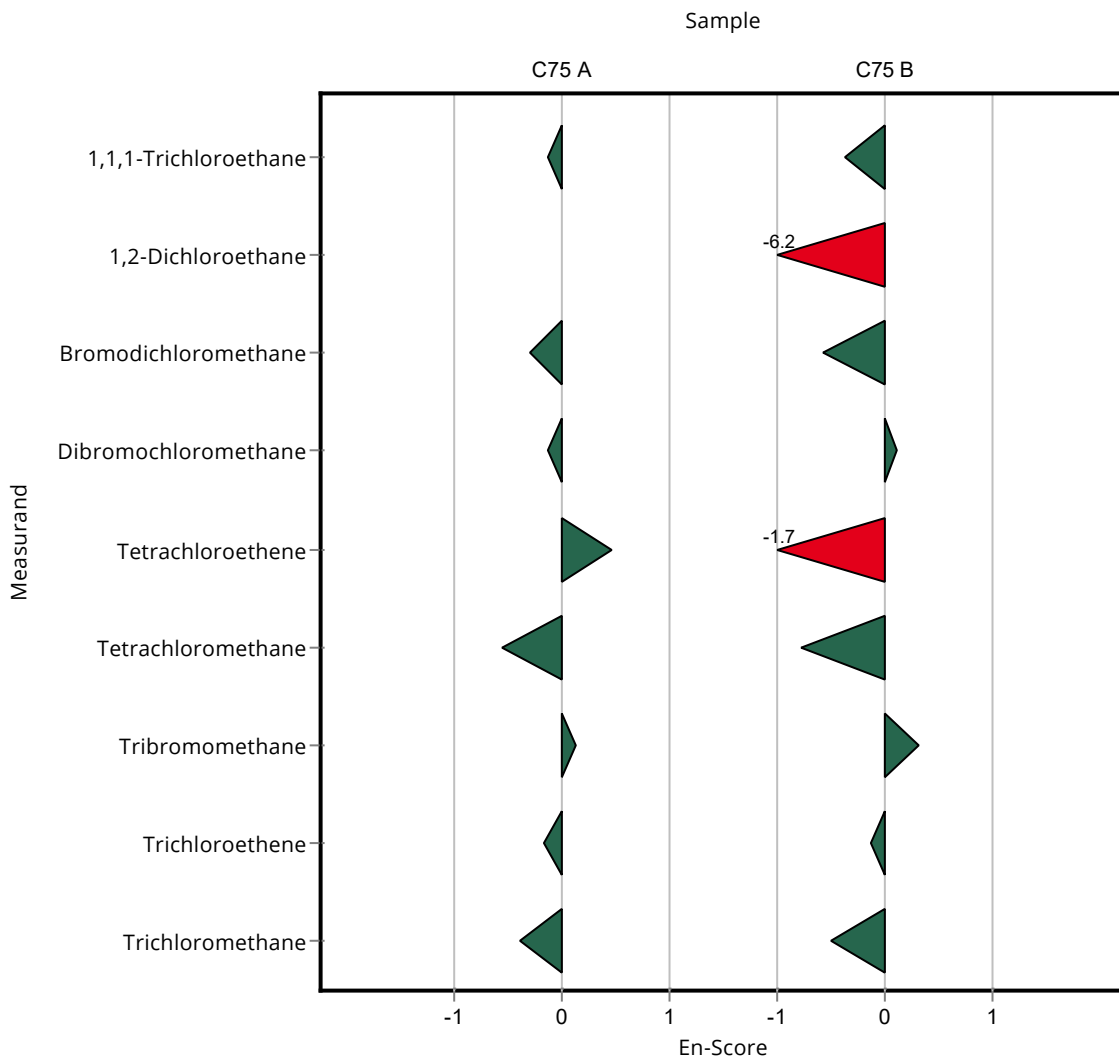
Sample: C75A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
1,1,1-Trichloroethane	$\mu\text{g/l}$	1.19 \pm 0.0546	1.15 \pm 0.15	0.179	96.6	-0.13
1,1-Dichloroethene	$\mu\text{g/l}$	1.09 \pm 0.0687	- \pm -	0.186	-	-
1,2-Dichloroethane	$\mu\text{g/l}$	1.37 \pm 0.0714	- \pm -	0.178	-	-
Bromodichloromethane	$\mu\text{g/l}$	1.12 \pm 0.0729	1.06 \pm 0.1	0.124	94.2	-0.30
cis-1,2-Dichloroethene	$\mu\text{g/l}$	1.18 \pm 0.101	- \pm -	0.177	-	-
Dibromochloromethane	$\mu\text{g/l}$	1.63 \pm 0.129	1.59 \pm 0.15	0.229	97.3	-0.14
Dichloromethane	$\mu\text{g/l}$	1.37 \pm 0.125	- \pm -	0.22	-	-
Tetrachloroethene	$\mu\text{g/l}$	1.29 \pm 0.084	1.46 \pm 0.18	0.22	113	0.45
Tetrachloromethane	$\mu\text{g/l}$	0.857 \pm 0.0571	0.74 \pm 0.1	0.137	86.4	-0.56
trans-1,2-Dichloroethene	$\mu\text{g/l}$	0.608 \pm 0.0587	- \pm -	0.122	-	-
Tribromomethane	$\mu\text{g/l}$	2 \pm 0.2	2.06 \pm 0.22	0.341	103	0.12
Trichloroethene	$\mu\text{g/l}$	1.16 \pm 0.127	1.1 \pm 0.15	0.243	94.9	-0.18
Trichloromethane	$\mu\text{g/l}$	1.38 \pm 0.0895	1.23 \pm 0.18	0.179	89.4	-0.39

Sample: C75B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
1,1,1-Trichloroethane	$\mu\text{g/l}$	4.81 \pm 0.176	4.52 \pm 0.37	0.721	94	-0.38
1,1-Dichloroethene	$\mu\text{g/l}$	4.71 \pm 0.355	- \pm -	0.802	-	-
1,2-Dichloroethane	$\mu\text{g/l}$	5.15 \pm 0.281	2.02 \pm 0.21	0.669	39.3	-6.18
Bromodichloromethane	$\mu\text{g/l}$	4.26 \pm 0.189	3.98 \pm 0.22	0.426	93.5	-0.58
cis-1,2-Dichloroethene	$\mu\text{g/l}$	4.44 \pm 0.272	- \pm -	0.621	-	-
Dibromochloromethane	$\mu\text{g/l}$	5.88 \pm 0.283	5.98 \pm 0.42	0.706	102	0.11
Dichloromethane	$\mu\text{g/l}$	4.68 \pm 0.573	- \pm -	1.03	-	-
Tetrachloroethene	$\mu\text{g/l}$	5.11 \pm 0.44	3.96 \pm 0.25	0.868	77.5	-1.72
Tetrachloromethane	$\mu\text{g/l}$	3.58 \pm 0.167	3.31 \pm 0.15	0.573	92.5	-0.79
trans-1,2-Dichloroethene	$\mu\text{g/l}$	2.32 \pm 0.133	- \pm -	0.465	-	-

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Tribromomethane	$\mu\text{g/l}$	7.69 \pm 0.752	8.11 \pm 0.58	1.31	105	0.30
Trichloroethene	$\mu\text{g/l}$	4.36 \pm 0.228	4.23 \pm 0.44	0.654	97	-0.15
Trichloromethane	$\mu\text{g/l}$	5.01 \pm 0.245	4.55 \pm 0.43	0.652	90.8	-0.52



Sample: C75A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
1,1,1-Trichloroethane	$\mu\text{g/l}$	1.19 \pm 0.0546	1.13 \pm 0.11	0.179	94.9	-0.34
1,1-Dichloroethene	$\mu\text{g/l}$	1.09 \pm 0.0687	- \pm -	0.186	-	-
1,2-Dichloroethane	$\mu\text{g/l}$	1.37 \pm 0.0714	1.38 \pm 0.14	0.178	101	0.07
Bromodichloromethane	$\mu\text{g/l}$	1.12 \pm 0.0729	- \pm -	0.124	-	-
cis-1,2-Dichloroethene	$\mu\text{g/l}$	1.18 \pm 0.101	1.15 \pm 0.12	0.177	97.2	-0.19
Dibromochloromethane	$\mu\text{g/l}$	1.63 \pm 0.129	- \pm -	0.229	-	-
Dichloromethane	$\mu\text{g/l}$	1.37 \pm 0.125	1.33 \pm 0.13	0.22	96.8	-0.20
Tetrachloroethene	$\mu\text{g/l}$	1.29 \pm 0.084	1.34 \pm 0.13	0.22	104	0.21
Tetrachloromethane	$\mu\text{g/l}$	0.857 \pm 0.0571	0.825 \pm 0.082	0.137	96.3	-0.23
trans-1,2-Dichloroethene	$\mu\text{g/l}$	0.608 \pm 0.0587	0.577 \pm 0.058	0.122	94.9	-0.26
Tribromomethane	$\mu\text{g/l}$	2 \pm 0.2	- \pm -	0.341	-	-
Trichloroethene	$\mu\text{g/l}$	1.16 \pm 0.127	1.24 \pm 0.12	0.243	107	0.33
Trichloromethane	$\mu\text{g/l}$	1.38 \pm 0.0895	1.42 \pm 0.14	0.179	103	0.25

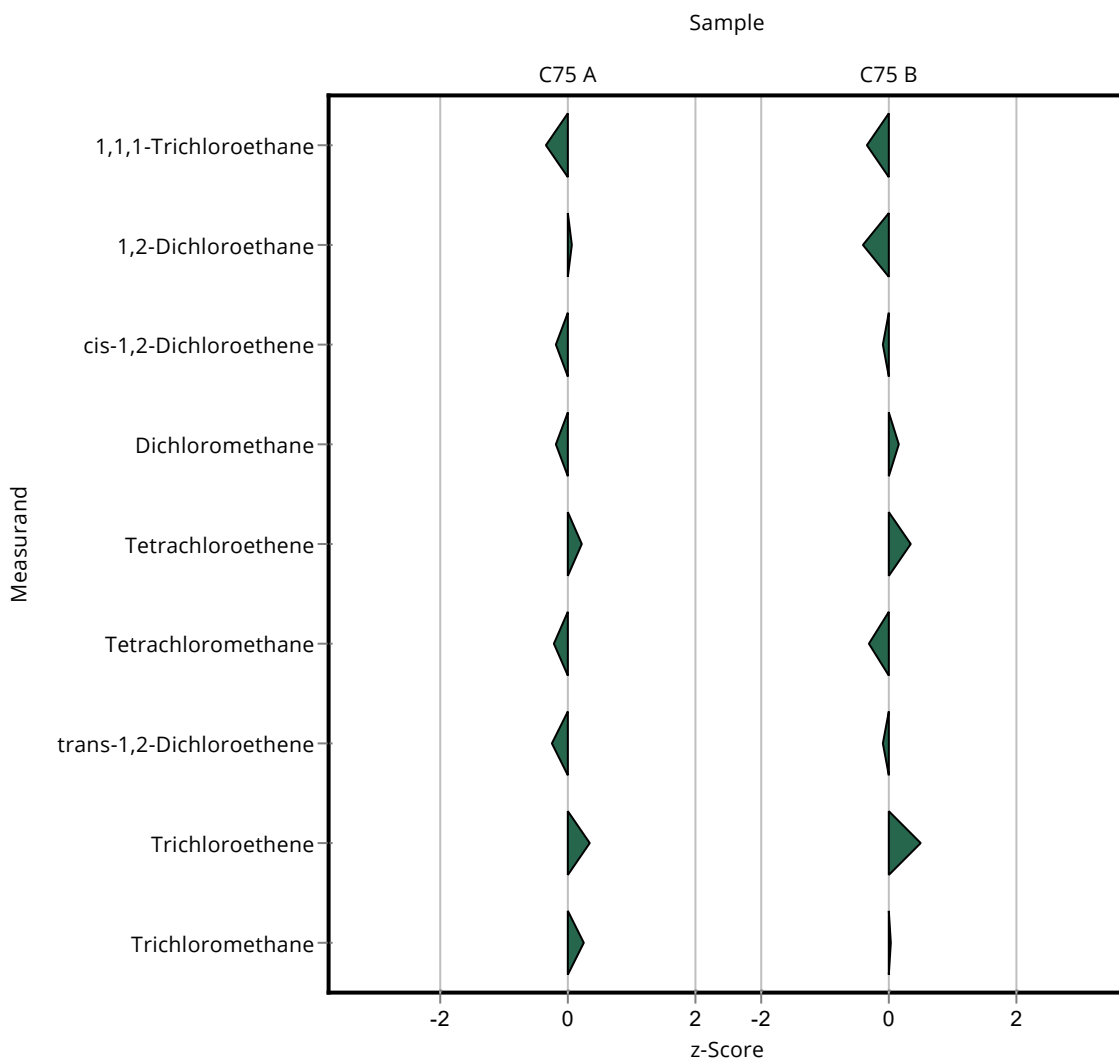
Sample: C75B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
1,1,1-Trichloroethane	$\mu\text{g/l}$	4.81 \pm 0.176	4.58 \pm 0.46	0.721	95.2	-0.32
1,1-Dichloroethene	$\mu\text{g/l}$	4.71 \pm 0.355	- \pm -	0.802	-	-
1,2-Dichloroethane	$\mu\text{g/l}$	5.15 \pm 0.281	4.89 \pm 0.49	0.669	95	-0.38
Bromodichloromethane	$\mu\text{g/l}$	4.26 \pm 0.189	- \pm -	0.426	-	-
cis-1,2-Dichloroethene	$\mu\text{g/l}$	4.44 \pm 0.272	4.39 \pm 0.44	0.621	99	-0.07
Dibromochloromethane	$\mu\text{g/l}$	5.88 \pm 0.283	- \pm -	0.706	-	-
Dichloromethane	$\mu\text{g/l}$	4.68 \pm 0.573	4.86 \pm 0.49	1.03	104	0.18
Tetrachloroethene	$\mu\text{g/l}$	5.11 \pm 0.44	5.4 \pm 0.54	0.868	106	0.34
Tetrachloromethane	$\mu\text{g/l}$	3.58 \pm 0.167	3.4 \pm 0.34	0.573	95	-0.31
trans-1,2-Dichloroethene	$\mu\text{g/l}$	2.32 \pm 0.133	2.28 \pm 0.23	0.465	98.1	-0.10

Summary of results Volatile halogenated hydrocarbons (VHH) - C75

Labcode: LC0012

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion Recovery [%]	Recovery z-Score
Tribromomethane	$\mu\text{g/l}$	7.69 \pm 0.752	- \pm -	1.31	-
Trichloroethene	$\mu\text{g/l}$	4.36 \pm 0.228	4.69 \pm 0.47	0.654	107
Trichloromethane	$\mu\text{g/l}$	5.01 \pm 0.245	5.04 \pm 0.5	0.652	101



Sample: C75A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
1,1,1-Trichloroethane	$\mu\text{g/l}$	1.19 \pm 0.0546	1.13 \pm 0.11	0.179	94.9	-0.27
1,1-Dichloroethene	$\mu\text{g/l}$	1.09 \pm 0.0687	- \pm -	0.186	-	-
1,2-Dichloroethane	$\mu\text{g/l}$	1.37 \pm 0.0714	1.38 \pm 0.14	0.178	101	0.04
Bromodichloromethane	$\mu\text{g/l}$	1.12 \pm 0.0729	- \pm -	0.124	-	-
cis-1,2-Dichloroethene	$\mu\text{g/l}$	1.18 \pm 0.101	1.15 \pm 0.12	0.177	97.2	-0.13
Dibromochloromethane	$\mu\text{g/l}$	1.63 \pm 0.129	- \pm -	0.229	-	-
Dichloromethane	$\mu\text{g/l}$	1.37 \pm 0.125	1.33 \pm 0.13	0.22	96.8	-0.15
Tetrachloroethene	$\mu\text{g/l}$	1.29 \pm 0.084	1.34 \pm 0.13	0.22	104	0.17
Tetrachloromethane	$\mu\text{g/l}$	0.857 \pm 0.0571	0.825 \pm 0.082	0.137	96.3	-0.18
trans-1,2-Dichloroethene	$\mu\text{g/l}$	0.608 \pm 0.0587	0.577 \pm 0.058	0.122	94.9	-0.24
Tribromomethane	$\mu\text{g/l}$	2 \pm 0.2	- \pm -	0.341	-	-
Trichloroethene	$\mu\text{g/l}$	1.16 \pm 0.127	1.24 \pm 0.12	0.243	107	0.30
Trichloromethane	$\mu\text{g/l}$	1.38 \pm 0.0895	1.42 \pm 0.14	0.179	103	0.15

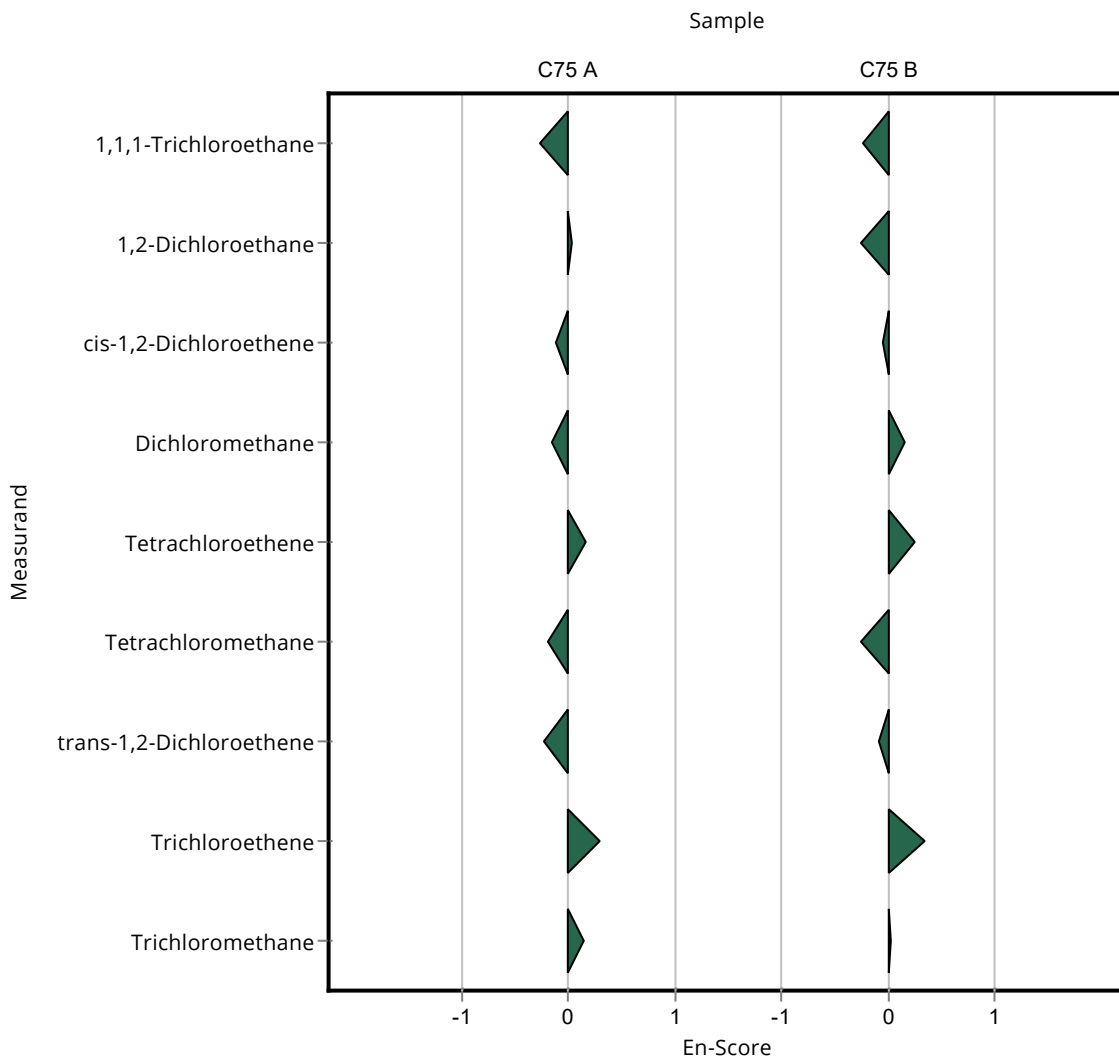
Sample: C75B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
1,1,1-Trichloroethane	$\mu\text{g/l}$	4.81 \pm 0.176	4.58 \pm 0.46	0.721	95.2	-0.25
1,1-Dichloroethene	$\mu\text{g/l}$	4.71 \pm 0.355	- \pm -	0.802	-	-
1,2-Dichloroethane	$\mu\text{g/l}$	5.15 \pm 0.281	4.89 \pm 0.49	0.669	95	-0.25
Bromodichloromethane	$\mu\text{g/l}$	4.26 \pm 0.189	- \pm -	0.426	-	-
cis-1,2-Dichloroethene	$\mu\text{g/l}$	4.44 \pm 0.272	4.39 \pm 0.44	0.621	99	-0.05
Dibromochloromethane	$\mu\text{g/l}$	5.88 \pm 0.283	- \pm -	0.706	-	-
Dichloromethane	$\mu\text{g/l}$	4.68 \pm 0.573	4.86 \pm 0.49	1.03	104	0.16
Tetrachloroethene	$\mu\text{g/l}$	5.11 \pm 0.44	5.4 \pm 0.54	0.868	106	0.25
Tetrachloromethane	$\mu\text{g/l}$	3.58 \pm 0.167	3.4 \pm 0.34	0.573	95	-0.26
trans-1,2-Dichloroethene	$\mu\text{g/l}$	2.32 \pm 0.133	2.28 \pm 0.23	0.465	98.1	-0.09

Summary of results Volatile halogenated hydrocarbons (VHH) - C75 - En-Score

Labcode: LC0012

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Tribromomethane	$\mu\text{g/l}$	7.69 \pm 0.752	- \pm -	1.31	-	-
Trichloroethene	$\mu\text{g/l}$	4.36 \pm 0.228	4.69 \pm 0.47	0.654	107	0.34
Trichloromethane	$\mu\text{g/l}$	5.01 \pm 0.245	5.04 \pm 0.5	0.652	101	0.03



Sample: C75A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
1,1,1-Trichloroethane	$\mu\text{g/l}$	1.19 \pm 0.0546	1.24 \pm 0.22	0.179	104	0.28
1,1-Dichloroethene	$\mu\text{g/l}$	1.09 \pm 0.0687	1.19 \pm 0.21	0.186	109	0.52
1,2-Dichloroethane	$\mu\text{g/l}$	1.37 \pm 0.0714	1.43 \pm 0.26	0.178	105	0.35
Bromodichloromethane	$\mu\text{g/l}$	1.12 \pm 0.0729	1.17 \pm 0.21	0.124	104	0.36
cis-1,2-Dichloroethene	$\mu\text{g/l}$	1.18 \pm 0.101	1.18 \pm 0.21	0.177	99.8	-0.02
Dibromochloromethane	$\mu\text{g/l}$	1.63 \pm 0.129	1.63 \pm 0.29	0.229	99.7	-0.02
Dichloromethane	$\mu\text{g/l}$	1.37 \pm 0.125	1.43 \pm 0.26	0.22	104	0.25
Tetrachloroethene	$\mu\text{g/l}$	1.29 \pm 0.084	1.42 \pm 0.26	0.22	110	0.57
Tetrachloromethane	$\mu\text{g/l}$	0.857 \pm 0.0571	0.93 \pm 0.17	0.137	109	0.53
trans-1,2-Dichloroethene	$\mu\text{g/l}$	0.608 \pm 0.0587	0.62 \pm 0.11	0.122	102	0.10
Tribromomethane	$\mu\text{g/l}$	2 \pm 0.2	2.1 \pm 0.38	0.341	105	0.28
Trichloroethene	$\mu\text{g/l}$	1.16 \pm 0.127	1.26 \pm 0.23	0.243	109	0.41
Trichloromethane	$\mu\text{g/l}$	1.38 \pm 0.0895	1.44 \pm 0.26	0.179	105	0.36

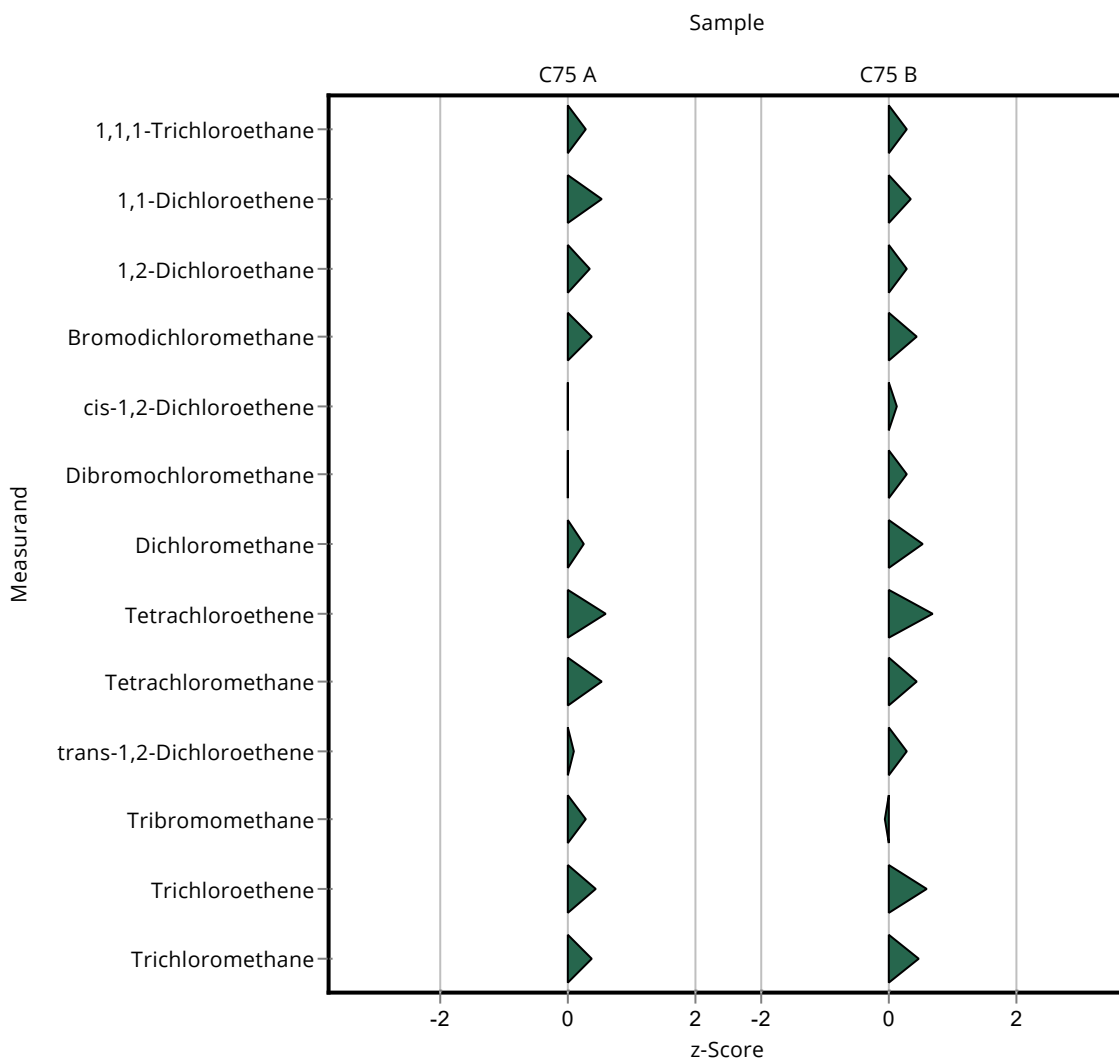
Sample: C75B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
1,1,1-Trichloroethane	$\mu\text{g/l}$	4.81 \pm 0.176	5.01 \pm 0.9	0.721	104	0.28
1,1-Dichloroethene	$\mu\text{g/l}$	4.71 \pm 0.355	4.99 \pm 0.9	0.802	106	0.34
1,2-Dichloroethane	$\mu\text{g/l}$	5.15 \pm 0.281	5.33 \pm 0.96	0.669	104	0.28
Bromodichloromethane	$\mu\text{g/l}$	4.26 \pm 0.189	4.45 \pm 0.8	0.426	105	0.46
cis-1,2-Dichloroethene	$\mu\text{g/l}$	4.44 \pm 0.272	4.52 \pm 0.81	0.621	102	0.14
Dibromochloromethane	$\mu\text{g/l}$	5.88 \pm 0.283	6.09 \pm 1.1	0.706	103	0.29
Dichloromethane	$\mu\text{g/l}$	4.68 \pm 0.573	5.25 \pm 0.95	1.03	112	0.55
Tetrachloroethene	$\mu\text{g/l}$	5.11 \pm 0.44	5.72 \pm 1.03	0.868	112	0.71
Tetrachloromethane	$\mu\text{g/l}$	3.58 \pm 0.167	3.83 \pm 0.69	0.573	107	0.44
trans-1,2-Dichloroethene	$\mu\text{g/l}$	2.32 \pm 0.133	2.46 \pm 0.44	0.465	106	0.29

Summary of results Volatile halogenated hydrocarbons (VHH) - C75

Labcode: LC0013

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion Recovery	z-Score	Recovery [%]
Tribromomethane	$\mu\text{g/l}$	7.69 \pm 0.752	7.63 \pm 1.37	1.31	99.2	-0.05
Trichloroethene	$\mu\text{g/l}$	4.36 \pm 0.228	4.75 \pm 0.86	0.654	109	0.59
Trichloromethane	$\mu\text{g/l}$	5.01 \pm 0.245	5.33 \pm 0.96	0.652	106	0.49



Sample: C75A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
1,1,1-Trichloroethane	$\mu\text{g/l}$	1.19 \pm 0.0546	1.24 \pm 0.22	0.179	104	0.11
1,1-Dichloroethene	$\mu\text{g/l}$	1.09 \pm 0.0687	1.19 \pm 0.21	0.186	109	0.23
1,2-Dichloroethane	$\mu\text{g/l}$	1.37 \pm 0.0714	1.43 \pm 0.26	0.178	105	0.12
Bromodichloromethane	$\mu\text{g/l}$	1.12 \pm 0.0729	1.17 \pm 0.21	0.124	104	0.11
cis-1,2-Dichloroethene	$\mu\text{g/l}$	1.18 \pm 0.101	1.18 \pm 0.21	0.177	99.8	-0.01
Dibromochloromethane	$\mu\text{g/l}$	1.63 \pm 0.129	1.63 \pm 0.29	0.229	99.7	-0.01
Dichloromethane	$\mu\text{g/l}$	1.37 \pm 0.125	1.43 \pm 0.26	0.22	104	0.10
Tetrachloroethene	$\mu\text{g/l}$	1.29 \pm 0.084	1.42 \pm 0.26	0.22	110	0.24
Tetrachloromethane	$\mu\text{g/l}$	0.857 \pm 0.0571	0.93 \pm 0.17	0.137	109	0.21
trans-1,2-Dichloroethene	$\mu\text{g/l}$	0.608 \pm 0.0587	0.62 \pm 0.11	0.122	102	0.05
Tribromomethane	$\mu\text{g/l}$	2 \pm 0.2	2.1 \pm 0.38	0.341	105	0.12
Trichloroethene	$\mu\text{g/l}$	1.16 \pm 0.127	1.26 \pm 0.23	0.243	109	0.21
Trichloromethane	$\mu\text{g/l}$	1.38 \pm 0.0895	1.44 \pm 0.26	0.179	105	0.12

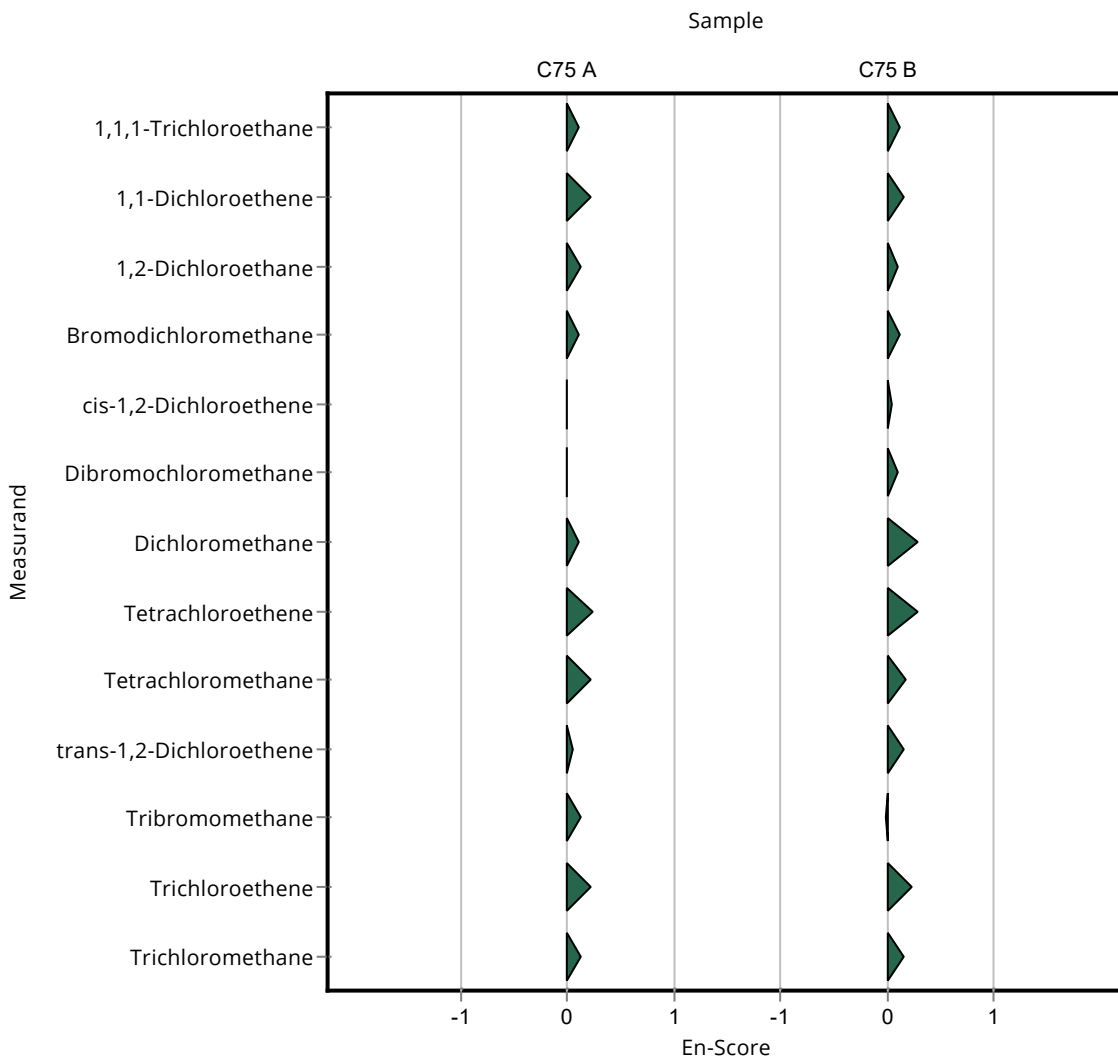
Sample: C75B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
1,1,1-Trichloroethane	$\mu\text{g/l}$	4.81 \pm 0.176	5.01 \pm 0.9	0.721	104	0.11
1,1-Dichloroethene	$\mu\text{g/l}$	4.71 \pm 0.355	4.99 \pm 0.9	0.802	106	0.15
1,2-Dichloroethane	$\mu\text{g/l}$	5.15 \pm 0.281	5.33 \pm 0.96	0.669	104	0.10
Bromodichloromethane	$\mu\text{g/l}$	4.26 \pm 0.189	4.45 \pm 0.8	0.426	105	0.12
cis-1,2-Dichloroethene	$\mu\text{g/l}$	4.44 \pm 0.272	4.52 \pm 0.81	0.621	102	0.05
Dibromochloromethane	$\mu\text{g/l}$	5.88 \pm 0.283	6.09 \pm 1.1	0.706	103	0.09
Dichloromethane	$\mu\text{g/l}$	4.68 \pm 0.573	5.25 \pm 0.95	1.03	112	0.29
Tetrachloroethene	$\mu\text{g/l}$	5.11 \pm 0.44	5.72 \pm 1.03	0.868	112	0.29
Tetrachloromethane	$\mu\text{g/l}$	3.58 \pm 0.167	3.83 \pm 0.69	0.573	107	0.18
trans-1,2-Dichloroethene	$\mu\text{g/l}$	2.32 \pm 0.133	2.46 \pm 0.44	0.465	106	0.15

Summary of results Volatile halogenated hydrocarbons (VHH) - C75 - En-Score

Labcode: LC0013

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Tribromomethane	$\mu\text{g/l}$	7.69 \pm 0.752	7.63 \pm 1.37	1.31	99.2	-0.02
Trichloroethene	$\mu\text{g/l}$	4.36 \pm 0.228	4.75 \pm 0.86	0.654	109	0.22
Trichloromethane	$\mu\text{g/l}$	5.01 \pm 0.245	5.33 \pm 0.96	0.652	106	0.16



Sample: C75A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
1,1,1-Trichloroethane	$\mu\text{g/l}$	1.19 \pm 0.0546	1.06 \pm 0.24	0.179	89	-0.73
1,1-Dichloroethene	$\mu\text{g/l}$	1.09 \pm 0.0687	1 \pm 0.29	0.186	91.4	-0.50
1,2-Dichloroethane	$\mu\text{g/l}$	1.37 \pm 0.0714	1.32 \pm 0.33	0.178	96.5	-0.27
Bromodichloromethane	$\mu\text{g/l}$	1.12 \pm 0.0729	1.09 \pm 0.27	0.124	96.9	-0.28
cis-1,2-Dichloroethene	$\mu\text{g/l}$	1.18 \pm 0.101	0.99 \pm 0.2	0.177	83.7	-1.09
Dibromochloromethane	$\mu\text{g/l}$	1.63 \pm 0.129	1.53 \pm 0.38	0.229	93.6	-0.46
Dichloromethane	$\mu\text{g/l}$	1.37 \pm 0.125	1.08 \pm 0.32	0.22	78.6	-1.34
Tetrachloroethene	$\mu\text{g/l}$	1.29 \pm 0.084	1.23 \pm 0.3	0.22	95	-0.29
Tetrachloromethane	$\mu\text{g/l}$	0.857 \pm 0.0571	0.75 \pm 0.17	0.137	87.5	-0.78
trans-1,2-Dichloroethene	$\mu\text{g/l}$	0.608 \pm 0.0587	0.554 \pm 0.13	0.122	91.1	-0.44
Tribromomethane	$\mu\text{g/l}$	2 \pm 0.2	1.89 \pm 0.47	0.341	94.3	-0.33
Trichloroethene	$\mu\text{g/l}$	1.16 \pm 0.127	1.09 \pm 0.26	0.243	94	-0.28
Trichloromethane	$\mu\text{g/l}$	1.38 \pm 0.0895	1.28 \pm 0.29	0.179	93	-0.54

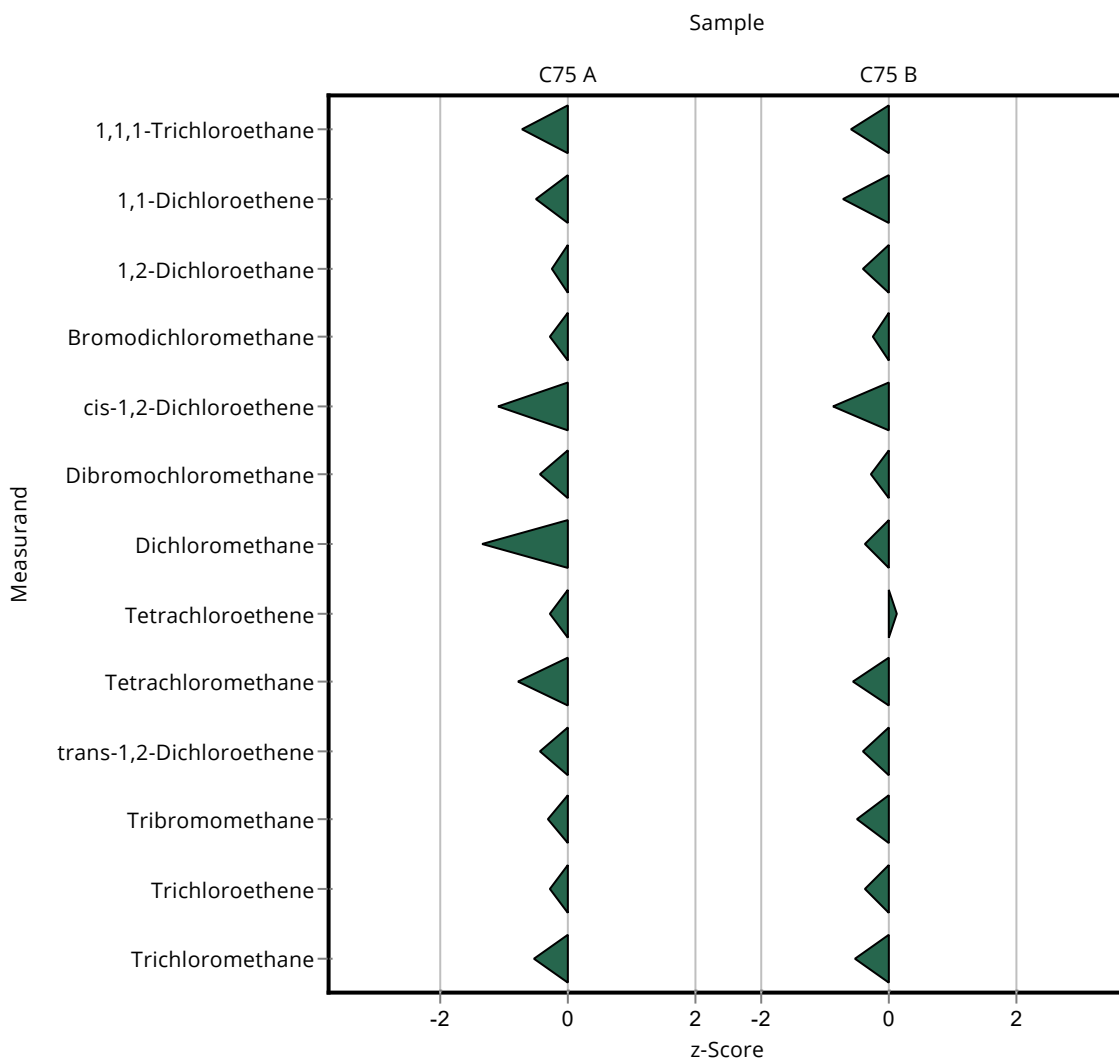
Sample: C75B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
1,1,1-Trichloroethane	$\mu\text{g/l}$	4.81 \pm 0.176	4.4 \pm 1	0.721	91.5	-0.57
1,1-Dichloroethene	$\mu\text{g/l}$	4.71 \pm 0.355	4.15 \pm 1.2	0.802	88	-0.70
1,2-Dichloroethane	$\mu\text{g/l}$	5.15 \pm 0.281	4.87 \pm 1.2	0.669	94.7	-0.41
Bromodichloromethane	$\mu\text{g/l}$	4.26 \pm 0.189	4.15 \pm 1	0.426	97.5	-0.25
cis-1,2-Dichloroethene	$\mu\text{g/l}$	4.44 \pm 0.272	3.9 \pm 0.78	0.621	87.9	-0.86
Dibromochloromethane	$\mu\text{g/l}$	5.88 \pm 0.283	5.69 \pm 1.4	0.706	96.7	-0.28
Dichloromethane	$\mu\text{g/l}$	4.68 \pm 0.573	4.31 \pm 1.3	1.03	92.1	-0.36
Tetrachloroethene	$\mu\text{g/l}$	5.11 \pm 0.44	5.21 \pm 1.3	0.868	102	0.12
Tetrachloromethane	$\mu\text{g/l}$	3.58 \pm 0.167	3.27 \pm 0.75	0.573	91.3	-0.54
trans-1,2-Dichloroethene	$\mu\text{g/l}$	2.32 \pm 0.133	2.14 \pm 0.49	0.465	92.1	-0.40

Summary of results Volatile halogenated hydrocarbons (VHH) - C75

Labcode: LC0014

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion Recovery [%]	Recovery z-Score
Tribromomethane	$\mu\text{g/l}$	7.69 \pm 0.752	7.05 \pm 1.8	1.31	91.7 -0.49
Trichloroethene	$\mu\text{g/l}$	4.36 \pm 0.228	4.12 \pm 0.99	0.654	94.4 -0.37
Trichloromethane	$\mu\text{g/l}$	5.01 \pm 0.245	4.68 \pm 1.1	0.652	93.4 -0.51



Sample: C75A

Parameter	Unit	Assigned ± U (k=2) value	Result ± U	Criterion	Recovery [%]	En-Score
1,1,1-Trichloroethane	µg/l	1.19 ± 0.0546	1.06 ± 0.24	0.179	89	-0.27
1,1-Dichloroethene	µg/l	1.09 ± 0.0687	1 ± 0.29	0.186	91.4	-0.16
1,2-Dichloroethane	µg/l	1.37 ± 0.0714	1.32 ± 0.33	0.178	96.5	-0.07
Bromodichloromethane	µg/l	1.12 ± 0.0729	1.09 ± 0.27	0.124	96.9	-0.06
cis-1,2-Dichloroethene	µg/l	1.18 ± 0.101	0.99 ± 0.2	0.177	83.7	-0.47
Dibromochloromethane	µg/l	1.63 ± 0.129	1.53 ± 0.38	0.229	93.6	-0.14
Dichloromethane	µg/l	1.37 ± 0.125	1.08 ± 0.32	0.22	78.6	-0.45
Tetrachloroethene	µg/l	1.29 ± 0.084	1.23 ± 0.3	0.22	95	-0.11
Tetrachloromethane	µg/l	0.857 ± 0.0571	0.75 ± 0.17	0.137	87.5	-0.31
trans-1,2-Dichloroethene	µg/l	0.608 ± 0.0587	0.554 ± 0.13	0.122	91.1	-0.20
Tribromomethane	µg/l	2 ± 0.2	1.89 ± 0.47	0.341	94.3	-0.12
Trichloroethene	µg/l	1.16 ± 0.127	1.09 ± 0.26	0.243	94	-0.13
Trichloromethane	µg/l	1.38 ± 0.0895	1.28 ± 0.29	0.179	93	-0.16

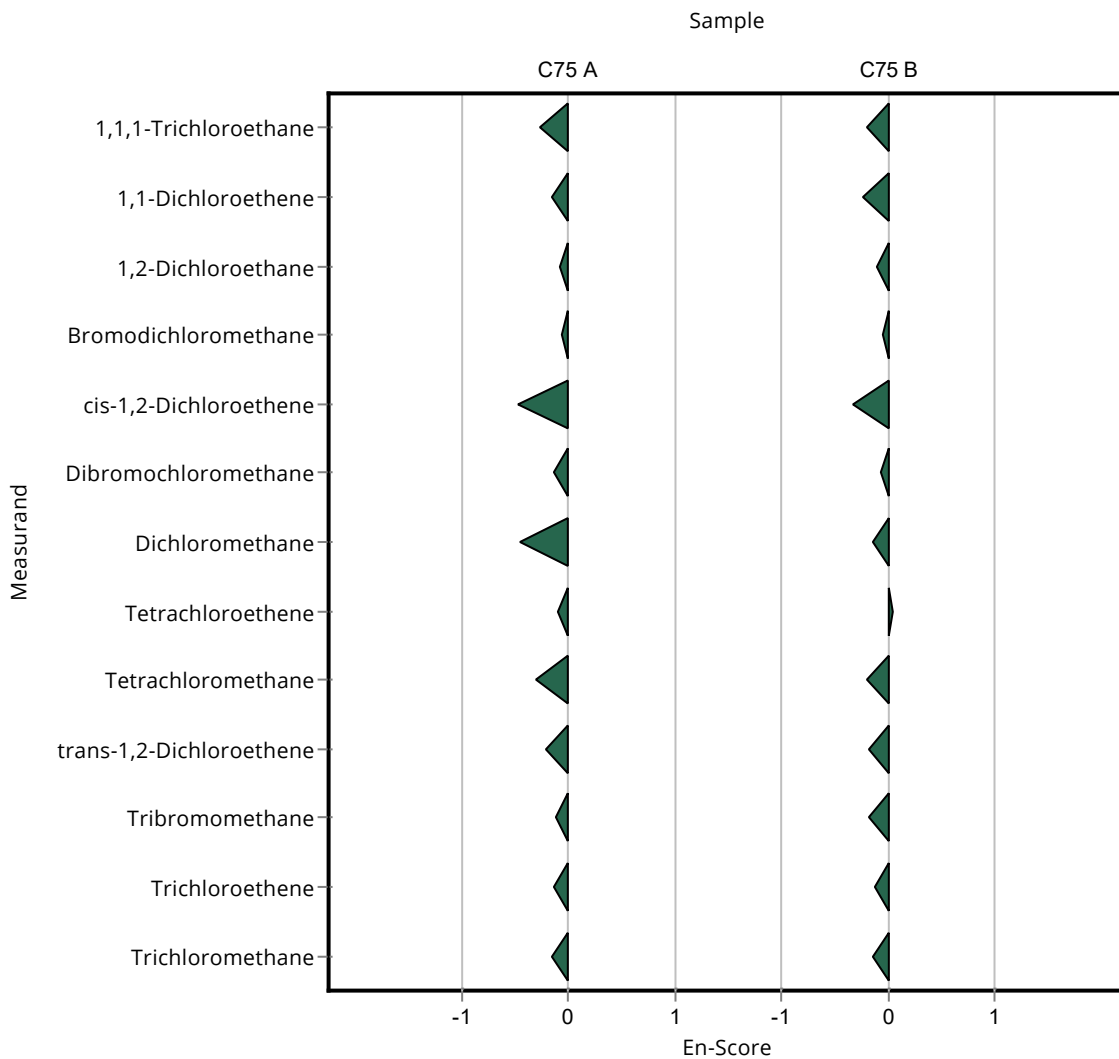
Sample: C75B

Parameter	Unit	Assigned ± U (k=2) value	Result ± U	Criterion	Recovery [%]	En-Score
1,1,1-Trichloroethane	µg/l	4.81 ± 0.176	4.4 ± 1	0.721	91.5	-0.20
1,1-Dichloroethene	µg/l	4.71 ± 0.355	4.15 ± 1.2	0.802	88	-0.23
1,2-Dichloroethane	µg/l	5.15 ± 0.281	4.87 ± 1.2	0.669	94.7	-0.11
Bromodichloromethane	µg/l	4.26 ± 0.189	4.15 ± 1	0.426	97.5	-0.05
cis-1,2-Dichloroethene	µg/l	4.44 ± 0.272	3.9 ± 0.78	0.621	87.9	-0.34
Dibromochloromethane	µg/l	5.88 ± 0.283	5.69 ± 1.4	0.706	96.7	-0.07
Dichloromethane	µg/l	4.68 ± 0.573	4.31 ± 1.3	1.03	92.1	-0.14
Tetrachloroethene	µg/l	5.11 ± 0.44	5.21 ± 1.3	0.868	102	0.04
Tetrachloromethane	µg/l	3.58 ± 0.167	3.27 ± 0.75	0.573	91.3	-0.21
trans-1,2-Dichloroethene	µg/l	2.32 ± 0.133	2.14 ± 0.49	0.465	92.1	-0.19

Summary of results Volatile halogenated hydrocarbons (VHH) - C75 - En-Score

Labcode: LC0014

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Tribromomethane	$\mu\text{g/l}$	7.69 \pm 0.752	7.05 \pm 1.8	1.31	91.7	-0.17
Trichloroethene	$\mu\text{g/l}$	4.36 \pm 0.228	4.12 \pm 0.99	0.654	94.4	-0.12
Trichloromethane	$\mu\text{g/l}$	5.01 \pm 0.245	4.68 \pm 1.1	0.652	93.4	-0.15



Sample: C75A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
1,1,1-Trichloroethane	$\mu\text{g/l}$	1.19 \pm 0.0546	1.309 \pm 0.2617	0.179	110	0.66
1,1-Dichloroethene	$\mu\text{g/l}$	1.09 \pm 0.0687	1.671 \pm 0.33428	0.186	153	3.11
1,2-Dichloroethane	$\mu\text{g/l}$	1.37 \pm 0.0714	1.825 \pm 0.36502	0.178	133	2.57
Bromodichloromethane	$\mu\text{g/l}$	1.12 \pm 0.0729	- \pm -	0.124	-	-
cis-1,2-Dichloroethene	$\mu\text{g/l}$	1.18 \pm 0.101	1.581 \pm 0.31621	0.177	134	2.24
Dibromochloromethane	$\mu\text{g/l}$	1.63 \pm 0.129	- \pm -	0.229	-	-
Dichloromethane	$\mu\text{g/l}$	1.37 \pm 0.125	1.856 \pm 0.3712	0.22	135	2.19
Tetrachloroethene	$\mu\text{g/l}$	1.29 \pm 0.084	1.147 \pm 0.22938	0.22	88.6	-0.67
Tetrachloromethane	$\mu\text{g/l}$	0.857 \pm 0.0571	0.926 \pm 0.18511	0.137	108	0.50
trans-1,2-Dichloroethene	$\mu\text{g/l}$	0.608 \pm 0.0587	- \pm -	0.122	-	-
Tribromomethane	$\mu\text{g/l}$	2 \pm 0.2	- \pm -	0.341	-	-
Trichloroethene	$\mu\text{g/l}$	1.16 \pm 0.127	0.989 \pm 0.19774	0.243	85.3	-0.70
Trichloromethane	$\mu\text{g/l}$	1.38 \pm 0.0895	1.655 \pm 0.33097	0.179	120	1.56

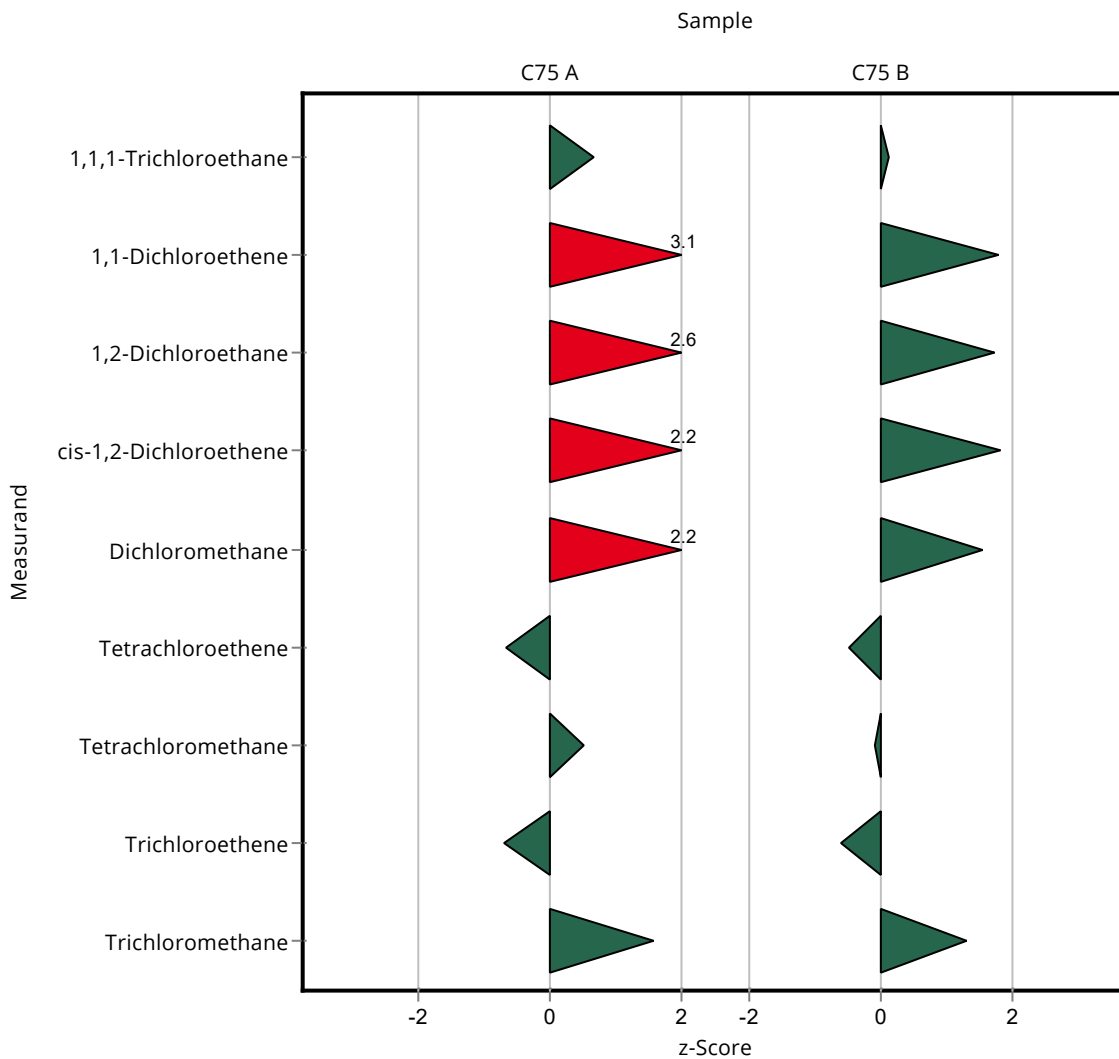
Sample: C75B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
1,1,1-Trichloroethane	$\mu\text{g/l}$	4.81 \pm 0.176	4.891 \pm 0.978	0.721	102	0.11
1,1-Dichloroethene	$\mu\text{g/l}$	4.71 \pm 0.355	6.141 \pm 1.228	0.802	130	1.78
1,2-Dichloroethane	$\mu\text{g/l}$	5.15 \pm 0.281	6.307 \pm 1.261	0.669	123	1.74
Bromodichloromethane	$\mu\text{g/l}$	4.26 \pm 0.189	- \pm -	0.426	-	-
cis-1,2-Dichloroethene	$\mu\text{g/l}$	4.44 \pm 0.272	5.565 \pm 1.113	0.621	125	1.82
Dibromochloromethane	$\mu\text{g/l}$	5.88 \pm 0.283	- \pm -	0.706	-	-
Dichloromethane	$\mu\text{g/l}$	4.68 \pm 0.573	6.27 \pm 1.254	1.03	134	1.55
Tetrachloroethene	$\mu\text{g/l}$	5.11 \pm 0.44	4.685 \pm 0.937	0.868	91.7	-0.49
Tetrachloromethane	$\mu\text{g/l}$	3.58 \pm 0.167	3.539 \pm 0.708	0.573	98.9	-0.07
trans-1,2-Dichloroethene	$\mu\text{g/l}$	2.32 \pm 0.133	- \pm -	0.465	-	-

Summary of results Volatile halogenated hydrocarbons (VHH) - C75

Labcode: LC0015

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Tribromomethane	$\mu\text{g/l}$	7.69 \pm 0.752	- \pm -	1.31	-	-
Trichloroethene	$\mu\text{g/l}$	4.36 \pm 0.228	3.962 \pm 0.792	0.654	90.8	-0.61
Trichloromethane	$\mu\text{g/l}$	5.01 \pm 0.245	5.871 \pm 1.174	0.652	117	1.32



Sample: C75A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
1,1,1-Trichloroethane	$\mu\text{g/l}$	1.19 \pm 0.0546	1.309 \pm 0.2617	0.179	110	0.22
1,1-Dichloroethene	$\mu\text{g/l}$	1.09 \pm 0.0687	1.671 \pm 0.33428	0.186	153	0.86
1,2-Dichloroethane	$\mu\text{g/l}$	1.37 \pm 0.0714	1.825 \pm 0.36502	0.178	133	0.62
Bromodichloromethane	$\mu\text{g/l}$	1.12 \pm 0.0729	- \pm -	0.124	-	-
cis-1,2-Dichloroethene	$\mu\text{g/l}$	1.18 \pm 0.101	1.581 \pm 0.31621	0.177	134	0.62
Dibromochloromethane	$\mu\text{g/l}$	1.63 \pm 0.129	- \pm -	0.229	-	-
Dichloromethane	$\mu\text{g/l}$	1.37 \pm 0.125	1.856 \pm 0.3712	0.22	135	0.64
Tetrachloroethene	$\mu\text{g/l}$	1.29 \pm 0.084	1.147 \pm 0.22938	0.22	88.6	-0.32
Tetrachloromethane	$\mu\text{g/l}$	0.857 \pm 0.0571	0.926 \pm 0.18511	0.137	108	0.18
trans-1,2-Dichloroethene	$\mu\text{g/l}$	0.608 \pm 0.0587	- \pm -	0.122	-	-
Tribromomethane	$\mu\text{g/l}$	2 \pm 0.2	- \pm -	0.341	-	-
Trichloroethene	$\mu\text{g/l}$	1.16 \pm 0.127	0.989 \pm 0.19774	0.243	85.3	-0.41
Trichloromethane	$\mu\text{g/l}$	1.38 \pm 0.0895	1.655 \pm 0.33097	0.179	120	0.42

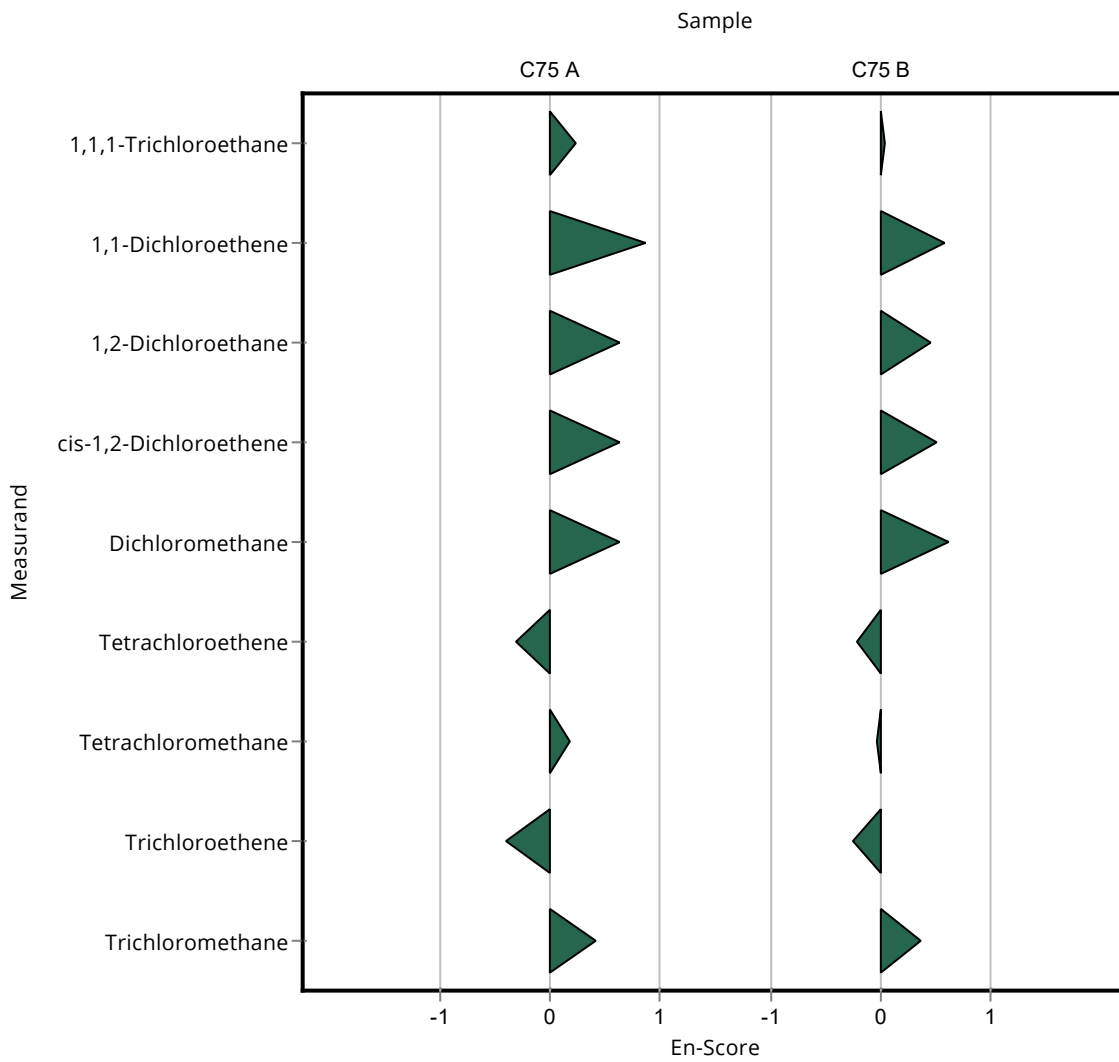
Sample: C75B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
1,1,1-Trichloroethane	$\mu\text{g/l}$	4.81 \pm 0.176	4.891 \pm 0.978	0.721	102	0.04
1,1-Dichloroethene	$\mu\text{g/l}$	4.71 \pm 0.355	6.141 \pm 1.228	0.802	130	0.57
1,2-Dichloroethane	$\mu\text{g/l}$	5.15 \pm 0.281	6.307 \pm 1.261	0.669	123	0.46
Bromodichloromethane	$\mu\text{g/l}$	4.26 \pm 0.189	- \pm -	0.426	-	-
cis-1,2-Dichloroethene	$\mu\text{g/l}$	4.44 \pm 0.272	5.565 \pm 1.113	0.621	125	0.50
Dibromochloromethane	$\mu\text{g/l}$	5.88 \pm 0.283	- \pm -	0.706	-	-
Dichloromethane	$\mu\text{g/l}$	4.68 \pm 0.573	6.27 \pm 1.254	1.03	134	0.62
Tetrachloroethene	$\mu\text{g/l}$	5.11 \pm 0.44	4.685 \pm 0.937	0.868	91.7	-0.22
Tetrachloromethane	$\mu\text{g/l}$	3.58 \pm 0.167	3.539 \pm 0.708	0.573	98.9	-0.03
trans-1,2-Dichloroethene	$\mu\text{g/l}$	2.32 \pm 0.133	- \pm -	0.465	-	-

Summary of results Volatile halogenated hydrocarbons (VHH) - C75 - En-Score

Labcode: LC0015

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Tribromomethane	$\mu\text{g/l}$	7.69 \pm 0.752	- \pm -	1.31	-	-
Trichloroethene	$\mu\text{g/l}$	4.36 \pm 0.228	3.962 \pm 0.792	0.654	90.8	-0.25
Trichloromethane	$\mu\text{g/l}$	5.01 \pm 0.245	5.871 \pm 1.174	0.652	117	0.36



E9. Methodenübersicht / Overview of methods

LabCode	Sample	Dibromochloromethane	Bromodichloromethane	1,2-Dichloroethane	cis-1,2-Dichloroethene
LC0001	C75A	EN ISO 10301 (GC-ECD);	EN ISO 10301 (GC-ECD);	EN ISO 10301 (GC-ECD);	EN ISO 10301 (GC-ECD);
LC0002	C75A	EN ISO 15680;	EN ISO 15680;	EN ISO 15680;	EN ISO 15680;
LC0003	C75A	HS-GC-MS;	HS-GC-MS;	HS-GC-MS;	HS-GC-MS;
LC0004	C75A	P&T-GC-MS; Benzene-d6	P&T-GC-MS; Benzene-d6	P&T-GC-MS; Benzene-d6	P&T-GC-MS; Benzene-d6
LC0005	C75A	EN ISO 10301 (HS); HS	EN ISO 10301 (HS); HS	EN ISO 10301 (HS); HS	EN ISO 10301 (HS); HS
LC0006	C75A	EN ISO 10301 (GC.-MS);	EN ISO 10301 (GC.-MS);	EN ISO 10301 (GC.-MS);	EN ISO 10301 (GC.-MS);
LC0007	C75A	HS-GC-ECD;	HS-GC-ECD;	HS-GC-ECD;	HS-GC-ECD;
LC0008	C75A	EN ISO 17943;	EN ISO 17943;	EN ISO 17943;	EN ISO 17943;
LC0009	C75A	EN ISO 17943; F41	EN ISO 17943; F41	EN ISO 17943; F41	EN ISO 17943; F41
LC0010	C75A	EN ISO 15680;	EN ISO 15680;	EN ISO 15680;	EN ISO 15680;
LC0011	C75A	EN ISO 10301;	EN ISO 10301;		
LC0012	C75A			DIN 38407-43; HS-GC-MS	DIN 38407-43; HS-GC-MS
LC0013	C75A	EN ISO 15680;	EN ISO 15680;	EN ISO 15680;	EN ISO 15680;
LC0014	C75A	DIN 38407-43;	DIN 38407-43;	DIN 38407-43;	DIN 38407-43;
LC0015	C75A			EN ISO 15680; F19; P&T-GC-MS	EN ISO 15680; F19; P&T-GC-MS

LabCode	Sample	1,1-Dichloroethene	trans-1,2-Dichloroethene	Dichloromethane	Tetrachloroethene
LC0001	C75A	EN ISO 10301 (GC-ECD);	EN ISO 10301 (GC-ECD);	EN ISO 10301 (GC-ECD);	EN ISO 10301 (GC-ECD);
LC0002	C75A	EN ISO 15680;	EN ISO 15680;	EN ISO 15680;	EN ISO 15680;
LC0003	C75A	HS-GC-MS;	HS-GC-MS;	HS-GC-MS;	
LC0004	C75A	P&T-GC-MS; Benzene-d6	P&T-GC-MS; Benzene-d6	P&T-GC-MS; Benzene-d6	P&T-GC-MS; Benzene-d6
LC0005	C75A	EN ISO 10301 (HS); HS	EN ISO 10301 (HS); HS	EN ISO 10301 (HS); HS	EN ISO 10301 (HS); HS
LC0006	C75A	EN ISO 10301 (GC.-MS);	EN ISO 10301 (GC.-MS);	EN ISO 10301 (GC.-MS);	EN ISO 10301 (GC.-MS);
LC0007	C75A	HS-GC-ECD;	HS-GC-ECD;	HS-GC-ECD;	HS-GC-ECD;
LC0008	C75A	EN ISO 17943;	EN ISO 17943;	EN ISO 17943;	EN ISO 17943;
LC0009	C75A	EN ISO 17943; F41	EN ISO 17943; F41	EN ISO 17943; F41	EN ISO 17943; F41
LC0010	C75A	EN ISO 15680;	EN ISO 15680;	EN ISO 15680;	EN ISO 15680;
LC0011	C75A				EN ISO 10301;

LC0012	C75A		DIN 38407-43; HS-GC-MS	DIN 38407-43; HS-GC-MS	DIN 38407-43; HS-GC-MS
LC0013	C75A	EN ISO 15680;	EN ISO 15680;	EN ISO 15680;	EN ISO 15680;
LC0014	C75A	DIN 38407-43;	DIN 38407-43;	DIN 38407-43;	DIN 38407-43;
LC0015	C75A	EN ISO 15680; F19; P&T-GC-MS		EN ISO 15680; F19; P&T-GC-MS	EN ISO 15680; F19; P&T-GC-MS

LabCode	Sample	Tetrachloromethane	Tribromomethane	1,1,1-Trichloroethane	Trichloroethene
LC0001	C75A	EN ISO 10301 (GC-ECD);	EN ISO 10301 (GC-ECD);	EN ISO 10301 (GC-ECD);	EN ISO 10301 (GC-ECD);
LC0002	C75A	EN ISO 15680;	EN ISO 15680;	EN ISO 15680;	EN ISO 15680;
LC0003	C75A	HS-GC-MS;	HS-GC-MS;	HS-GC-MS;	HS-GC-MS;
LC0004	C75A	P&T-GC-MS; Benzene-d6	P&T-GC-MS; Benzene-d6	P&T-GC-MS; Benzene-d6	P&T-GC-MS; Benzene-d6
LC0005	C75A	EN ISO 10301 (HS); HS	EN ISO 10301 (HS); HS	EN ISO 10301 (HS); HS	EN ISO 10301 (HS); HS
LC0006	C75A	EN ISO 10301 (GC.-MS);	EN ISO 10301 (GC.-MS);	EN ISO 10301 (GC.-MS);	EN ISO 10301 (GC.-MS);
LC0007	C75A	HS-GC-ECD;	HS-GC-ECD;	HS-GC-ECD;	HS-GC-ECD;
LC0008	C75A	EN ISO 17943;	EN ISO 17943;	EN ISO 17943;	EN ISO 17943;
LC0009	C75A	EN ISO 17943; F41	EN ISO 17943; F41	EN ISO 17943; F41	EN ISO 17943; F41
LC0010	C75A	EN ISO 15680;	EN ISO 15680;	EN ISO 15680;	EN ISO 15680;
LC0011	C75A	EN ISO 10301;	EN ISO 10301;	EN ISO 10301;	EN ISO 10301;
LC0012	C75A	DIN 38407-43; HS-GC-MS		DIN 38407-43; HS-GC-MS	DIN 38407-43; HS-GC-MS
LC0013	C75A	EN ISO 15680;	EN ISO 15680;	EN ISO 15680;	EN ISO 15680;
LC0014	C75A	DIN 38407-43;	DIN 38407-43;	DIN 38407-43;	DIN 38407-43;
LC0015	C75A	EN ISO 15680; F19; P&T-GC-MS		EN ISO 15680; F19; P&T-GC-MS	EN ISO 15680; F19; P&T-GC-MS

LabCode	Sample	Trichloromethane
LC0001	C75A	EN ISO 10301 (GC-ECD);
LC0002	C75A	EN ISO 15680;
LC0003	C75A	HS-GC-MS;
LC0004	C75A	P&T-GC-MS; Benzene-d6
LC0005	C75A	EN ISO 10301 (HS); HS
LC0006	C75A	EN ISO 10301 (GC.-MS);
LC0007	C75A	HS-GC-ECD;
LC0008	C75A	EN ISO 17943;

LC0009	C75A	EN ISO 17943; F41
LC0010	C75A	EN ISO 15680;
LC0011	C75A	EN ISO 10301;
LC0012	C75A	DIN 38407-43; HS-GC-MS
LC0013	C75A	EN ISO 15680;
LC0014	C75A	DIN 38407-43;
LC0015	C75A	EN ISO 15680; F19; P&T-GC-MS

LabCode	Sample	Dibromochloromethane	Bromodichloromethane	1,2-Dichloroethane	cis-1,2-Dichloroethene
LC0001	C75B	EN ISO 10301 (GC-ECD);	EN ISO 10301 (GC-ECD);	EN ISO 10301 (GC-ECD);	EN ISO 10301 (GC-ECD);
LC0002	C75B	EN ISO 15680;	EN ISO 15680;	EN ISO 15680;	EN ISO 15680;
LC0003	C75B	HS-GC-MS;	HS-GC-MS;	HS-GC-MS;	HS-GC-MS;
LC0004	C75B	P&T-GC-MS; Benzene-d6	P&T-GC-MS; Benzene-d6	P&T-GC-MS; Benzene-d6	P&T-GC-MS; Benzene-d6
LC0005	C75B	EN ISO 10301 (HS); HS	EN ISO 10301 (HS); HS	EN ISO 10301 (HS); HS	EN ISO 10301 (HS); HS
LC0006	C75B	EN ISO 10301 (GC.-MS);	EN ISO 10301 (GC.-MS);	EN ISO 10301 (GC.-MS);	EN ISO 10301 (GC.-MS);
LC0007	C75B	HS-GC-ECD;	HS-GC-ECD;	HS-GC-ECD;	HS-GC-ECD;
LC0008	C75B	EN ISO 17943;	EN ISO 17943;	EN ISO 17943;	EN ISO 17943;
LC0009	C75B	EN ISO 17943; F41	EN ISO 17943; F41	EN ISO 17943; F41	EN ISO 17943; F41
LC0010	C75B	EN ISO 15680;	EN ISO 15680;	EN ISO 15680;	EN ISO 15680;
LC0011	C75B	EN ISO 10301;	EN ISO 10301;		
LC0012	C75B			DIN 38407-43; HS-GC-MS	DIN 38407-43; HS-GC-MS
LC0013	C75B	EN ISO 15680;	EN ISO 15680;	EN ISO 15680;	EN ISO 15680;
LC0014	C75B	DIN 38407-43;	DIN 38407-43;	DIN 38407-43;	DIN 38407-43;
LC0015	C75B			EN ISO 15680; F19; P&T-GC-MS	EN ISO 15680; F19; P&T-GC-MS

LabCode	Sample	1,1-Dichloroethene	trans-1,2-Dichloroethene	Dichloromethane	Tetrachloroethene
LC0001	C75B	EN ISO 10301 (GC-ECD);	EN ISO 10301 (GC-ECD);	EN ISO 10301 (GC-ECD);	EN ISO 10301 (GC-ECD);
LC0002	C75B	EN ISO 15680;	EN ISO 15680;	EN ISO 15680;	EN ISO 15680;
LC0003	C75B	HS-GC-MS;	HS-GC-MS;	HS-GC-MS;	
LC0004	C75B	P&T-GC-MS; Benzene-d6	P&T-GC-MS; Benzene-d6	P&T-GC-MS; Benzene-d6	P&T-GC-MS; Benzene-d6

LC0005	C75B	EN ISO 10301 (HS); HS	EN ISO 10301 (HS); HS	EN ISO 10301 (HS); HS	EN ISO 10301 (HS); HS
LC0006	C75B	EN ISO 10301 (GC.-MS);	EN ISO 10301 (GC.-MS);	EN ISO 10301 (GC.-MS);	EN ISO 10301 (GC.-MS);
LC0007	C75B	HS-GC-ECD;	HS-GC-ECD;	HS-GC-ECD;	HS-GC-ECD;
LC0008	C75B	EN ISO 17943;	EN ISO 17943;	EN ISO 17943;	EN ISO 17943;
LC0009	C75B	EN ISO 17943; F41	EN ISO 17943; F41	EN ISO 17943; F41	EN ISO 17943; F41
LC0010	C75B	EN ISO 15680;	EN ISO 15680;	EN ISO 15680;	EN ISO 15680;
LC0011	C75B				EN ISO 10301;
LC0012	C75B		DIN 38407-43; HS-GC-MS	DIN 38407-43; HS-GC-MS	DIN 38407-43; HS-GC-MS
LC0013	C75B	EN ISO 15680;	EN ISO 15680;	EN ISO 15680;	EN ISO 15680;
LC0014	C75B	DIN 38407-43;	DIN 38407-43;	DIN 38407-43;	DIN 38407-43;
LC0015	C75B	EN ISO 15680; F19; P&T-GC-MS		EN ISO 15680; F19; P&T-GC-MS	EN ISO 15680; F19; P&T-GC-MS

LabCode	Sample	Tetrachloromethane	Tribromomethane	1,1,1-Trichloroethane	Trichloroethene
LC0001	C75B	EN ISO 10301 (GC-ECD);	EN ISO 10301 (GC-ECD);	EN ISO 10301 (GC-ECD);	EN ISO 10301 (GC-ECD);
LC0002	C75B	EN ISO 15680;	EN ISO 15680;	EN ISO 15680;	EN ISO 15680;
LC0003	C75B	HS-GC-MS;	HS-GC-MS;	HS-GC-MS;	HS-GC-MS;
LC0004	C75B	P&T-GC-MS; Benzene-d6	P&T-GC-MS; Benzene-d6	P&T-GC-MS; Benzene-d6	P&T-GC-MS; Benzene-d6
LC0005	C75B	EN ISO 10301 (HS); HS	EN ISO 10301 (HS); HS	EN ISO 10301 (HS); HS	EN ISO 10301 (HS); HS
LC0006	C75B	EN ISO 10301 (GC.-MS);	EN ISO 10301 (GC.-MS);	EN ISO 10301 (GC.-MS);	EN ISO 10301 (GC.-MS);
LC0007	C75B	HS-GC-ECD;	HS-GC-ECD;	HS-GC-ECD;	HS-GC-ECD;
LC0008	C75B	EN ISO 17943;	EN ISO 17943;	EN ISO 17943;	EN ISO 17943;
LC0009	C75B	EN ISO 17943; F41	EN ISO 17943; F41	EN ISO 17943; F41	EN ISO 17943; F41
LC0010	C75B	EN ISO 15680;	EN ISO 15680;	EN ISO 15680;	EN ISO 15680;
LC0011	C75B	EN ISO 10301;	EN ISO 10301;	EN ISO 10301;	EN ISO 10301;
LC0012	C75B	DIN 38407-43; HS-GC-MS		DIN 38407-43; HS-GC-MS	DIN 38407-43; HS-GC-MS
LC0013	C75B	EN ISO 15680;	EN ISO 15680;	EN ISO 15680;	EN ISO 15680;
LC0014	C75B	DIN 38407-43;	DIN 38407-43;	DIN 38407-43;	DIN 38407-43;
LC0015	C75B	EN ISO 15680; F19; P&T-GC-MS		EN ISO 15680; F19; P&T-GC-MS	EN ISO 15680; F19; P&T-GC-MS

LabCode	Sample	Trichloromethane
LC0001	C75B	EN ISO 10301 (GC-ECD);

LC0002	C75B	EN ISO 15680;
LC0003	C75B	HS-GC-MS;
LC0004	C75B	P&T-GC-MS; Benzene-d6
LC0005	C75B	EN ISO 10301 (HS); HS
LC0006	C75B	EN ISO 10301 (GC.-MS);
LC0007	C75B	HS-GC-ECD;
LC0008	C75B	EN ISO 17943;
LC0009	C75B	EN ISO 17943; F41
LC0010	C75B	EN ISO 15680;
LC0011	C75B	EN ISO 10301;
LC0012	C75B	DIN 38407-43; HS-GC-MS
LC0013	C75B	EN ISO 15680;
LC0014	C75B	DIN 38407-43;
LC0015	C75B	EN ISO 15680; F19; P&T- GC-MS