umweltbundesamt
ENVIRONMENT AGENCY AUSTRIA

Proficiency Testing Scheme für die Wasseranalytik - Realproben

P25 Polyzyklische Aromatische Kohlenwasserstoffe (PAK)

Proficiency Testing Scheme for Water Analysis - natural water samples

P25 Polycyclic aromatic hydrocarbons (PAH)

BERICHT / REPORT

Probenversand / Sample dispatch: 16.04.2024

Ausgabe/Edition 1: 22.05.2024

Dieser Report umfasst 289 Seiten.
This report comprises 289 pages.

Durchführung gemäß Verfahren VA_1006_PT_CA (2021-01-25).

In accordance with the procedure VA_1006_PT_CA (2021-01-25).

Akkreditierung Austria
0200
ISO/IEC 17043

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	Datum/Zeit-UTC	2024-05-22T10:50:53+02:00
Prüfinformation	Diese Unterschrift ist gemäß EU Verordnung Nr. 910/2014 (eIDAS) der handschriftlichen Unterschrift grundsätzlich rechtlich gleichgestellt. Prüfung unter: http://www.signaturpruefung.gv.at	

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D1. Beschreibung des Ringversuchs

D1.1. Ausgestaltung und Durchführung

- Anzahl der Anmeldungen: 24
- Anzahl der übermittelten Datensätze: 23
- Probenversand: 16.04.2024
- Einsendeschluss der Daten: 14.05.2024

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

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

D1.2. Beschreibung der Prüfgegenstände

Die Probenahme von Trinkwasser und Grundwasser erfolgte am 11.04.2024. Das Probenmaterial umfasste:

- 1 Probe Trinkwasser (P25 A)
- 1 Probe Grundwasser (P25 B)

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

Das Abfüllen der Proben erfolgte nach Filtration (40 µm) unter ständigem Rühren (Rührkessel). Anschließend wurden die Proben in den Flaschen mit einzelnen Substanzen dotiert und durch Schütteln homogenisiert. Die Stabilisierung erfolgte durch Kühlung.

Die homogenen Prüfgegenstände wurden am 16.04.2024 verschickt.

Jedes Teilnehmerlabor erhielt:

- 2 Proben zu je ca. 2000 ml, abgefüllt in je 2 x 1000 ml Braunglasflaschen.

D1.3. Anweisungen für die Teilnehmenden

Aus Stabilitätsgründen wurde empfohlen bis spätestens 18.04.2024 mit den Analysen zu beginnen.

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

D1.4. Kontrollanalytik zur Bewertung der Homogenität

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

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

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

D1.5. Trendtest zur Bewertung der Stabilität

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

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

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

D1.6. Ermittlung des zugewiesenen Wertes

Die Ergebnisse der Analysen mussten spätestens bis zum 14.05.2024 beim Veranstalter vorliegen. Später eingehende Werte wurden nicht berücksichtigt.

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

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

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

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

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

D2. Kriterien der Leistungsbewertung

D2.1. Leistungskriterium z-Score

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

Die Ermittlung der z-Scores erfolgte gemäß nachfolgender Formel:

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

Dabei ist:

x_i	Messergebnis des teilnehmenden Labors
$\overline{X}$	zugewiesener Wert Sollwert für die Leistungsbewertung der Teilnehmenden (angegeben auf 3 signifikante Stellen); im Regelfall: ausreißerbereinigter Mittelwert der Ergebnisse der Teilnehmenden. Eine davon abweichende Vorgehensweise wird unter Punkt D4 des Berichts beschrieben.
Kriterium	Vergleichsstandardabweichung berechnet aus den Statistiken für reale Wasserproben der vorangegangenen Runden im Zeitraum 2013 bis 2023 (RSDpooled) bzw. aus den ausreißerbereinigten Ergebnissen der Teilnehmenden (sR) des aktuellen Ringversuchs. In begründeten Fällen (z.B. Ergebnisse Realproben nahe an Mindestbestimmungsgrenze oder regulatorischer Vorgaben) erfolgt die Festlegung nach Expertenbefund und die Vorgangsweise wird unter Punkt D4 des Berichts beschrieben.

D2.2. Leistungskriterium E_n-Score

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

Die Ermittlung der E_n-Scores erfolgte gemäß nachfolgender Formel:

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

Dabei ist:

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

	Ergebnisse der Teilnehmenden. Eine davon abweichende Vorgehensweise wird unter Punkt D4 des Berichts beschrieben.
U(x_i)	erweiterte Messunsicherheit des Messergebnisses (Ergebnisse der Teilnehmenden), k=2
U($\bar{X}$)	erweiterte Messunsicherheit des zugewiesenen Wertes, k=2

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

Interpretation der z-Scores:

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

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

Interpretation der E_n-Scores:

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

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

D3. Darstellung und Interpretation der Messergebnisse

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

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

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

D4. Anmerkungen zur Auswertung

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

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

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

Parameter Benzo(a)pyren bei Probe P25 A und Parameter Dibenzo(a,h)anthracen bei Probe P25 B:
Für diese Parameter wurden relative Vergleichsstandardabweichungen (vR) von 34 % für Benzo(a)pyren Probe P25 A über die Gruppe der akkreditierten Teilnehmenden definiert sowie die aktuelle vR der Eignungsprüfungsrunde von 39 % für Dibenzo(a,h)anthracen Probe P25 B für die Bewertung gewählt.

Bei den restlichen Parametern erfolgte die Berechnung der Scores nach D2.

Parameter Benzo(a)pyren bei Probe P25 A und P25 B sowie Benzo(b)fluoranthen bei Probe P25 B: Der auf Basis der Ergebnisse der Teilnehmenden berechnete Sollwert lag außerhalb der Messunsicherheit des Kontrollwertes und es ist über das Kontrolllabor keine Rückführbarkeit möglich. Der zugewiesene Wert wurde daher über den ausreißerbereinigten Mittelwert aus der Gruppe der akkreditierten Teilnehmenden berechnet.

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

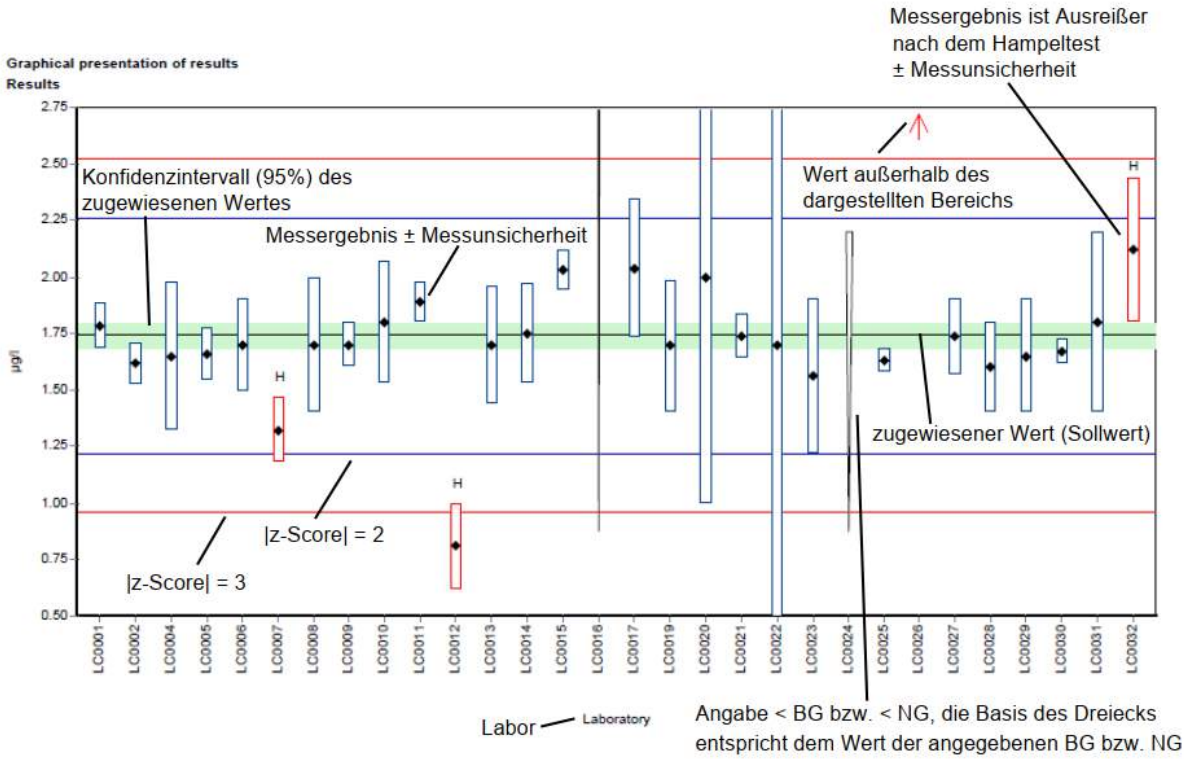
	Bei Eignungsprüfungsrunden mit Vorgabe von unabhängigen Mehrfachbestimmungen, entspricht dies dem berechneten Mittelwert aus den einzelnen Messwerten der Teilnehmenden.
± U	kombinierte Messunsicherheit ohne Erweiterungsfaktor (k=1) lt. Angabe der Teilnehmenden (maximal 5 Nachkommastellen dargestellt)
BG	Bestimmungsgrenze
NG	Nachweisgrenze
WF	Wiederfindungsrate in %, bezogen auf den zugewiesenen Wert (angegeben auf 3 signifikante Stellen, dargestellt maximal 1 Nachkommastelle)
MW	Mittelwert
z-Score	Abweichung des Messergebnisses zum zugewiesenen Wert, ausgedrückt als Vielfaches des Kriteriums (angegeben auf 3 signifikante Stellen, dargestellt maximal 2 Nachkommastellen)
E_n-Score	Abweichung des Messergebnisses zum zugewiesenen Wert, ausgedrückt als Vielfaches der kombinierten Messunsicherheiten, bestehend aus erweiterter Unsicherheit des zugewiesenen Wertes und der erweiterten Unsicherheit der Messergebnisse der Teilnehmenden (angegeben auf 3 signifikante Stellen, dargestellt maximal 2 Nachkommastellen). Beim E_n-Score erfolgt die Berücksichtigung der Messunsicherheit der Teilnehmenden.
-	Keine Daten übermittelt bzw. keine Berechnung möglich
Anmerkungen	Anmerkungen zum jeweiligen Messergebnis (z.B. H, FN, FP)
H	Ausreißer nach dem Hampel-Test
FN	Falsch negativ – Messergebnis kleiner Bestimmungs- bzw. Nachweisgrenze dessen Betrag die Bedingungen eines Ausreißers nach dem Hampeltest erfüllt.
FP	Falsch positiv – Falls aufgrund des geringen Analytgehalts kein zugewiesener Wert ermittelt werden kann (n < 6), wird der Median der Beträge der übermittelten Nachweis- bzw. Bestimmungsgrenzen ermittelt. Als falsch positiv wird ein Messergebnis bewertet, welches diesen Median um mehr als 100 % übersteigt.
Standardabweichung	Vergleichsstandardabweichung berechnet aus den Ergebnissen der Teilnehmenden des aktuellen Ringversuchs (angegeben auf 3 signifikante Stellen)

rel. Standardabweichung	relative Vergleichsstandardabweichung in %, berechnet aus den Ergebnissen der Teilnehmenden des aktuellen Ringversuchs bezogen auf den Mittelwert (angegeben auf 3 signifikante Stellen)
n	Anzahl der Messergebnisse
*	Kennzeichnung für Hinweise zur Erläuterung

D5.2. Graphische Darstellung der Ergebnisse

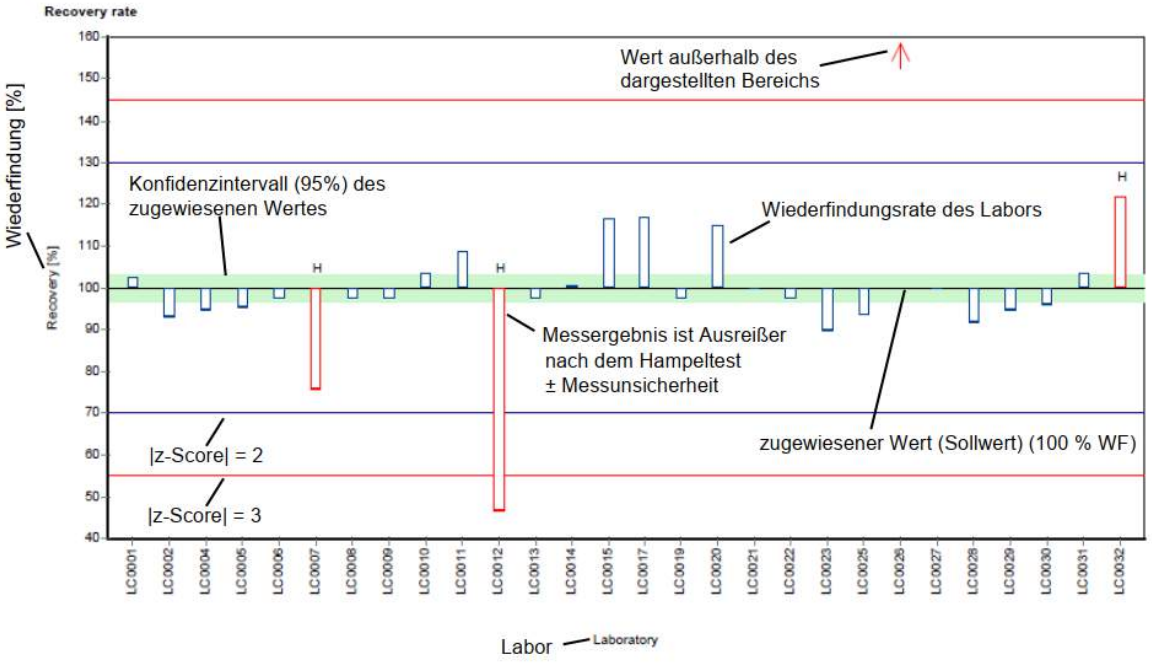
Nachfolgend wird die graphische Darstellung anhand von kommentierten Beispieldiagrammen erläutert.

Beispieldiagramm: Messwerte



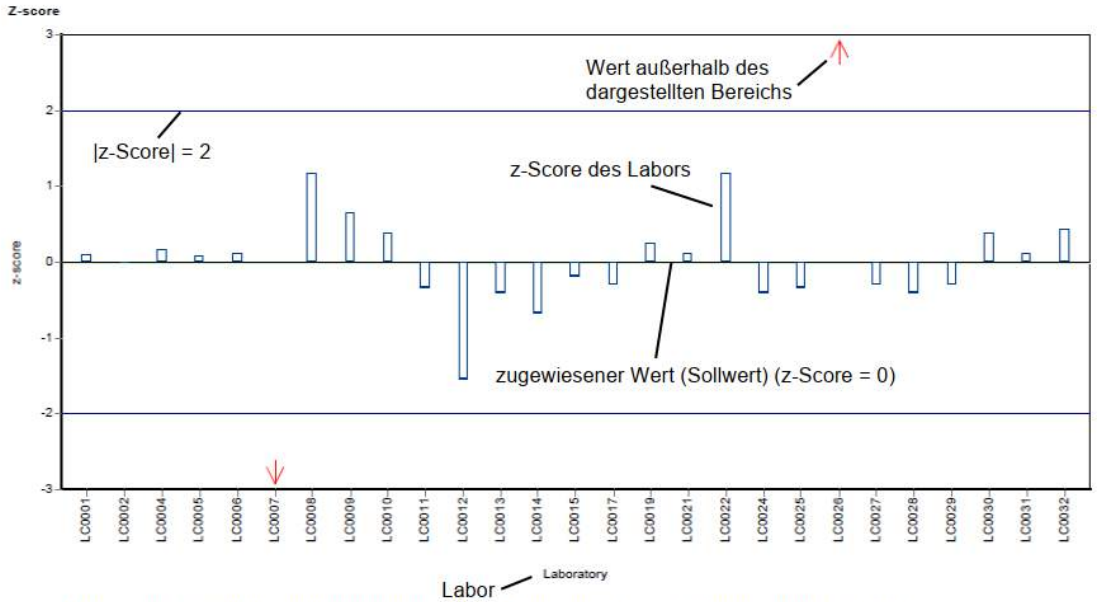
Unterschiedliche Analysenmethoden werden mit unterschiedlichen Farben kenntlich gemacht.

Beispieldiagramm: Wiederfindung zum zugewiesenen Wert



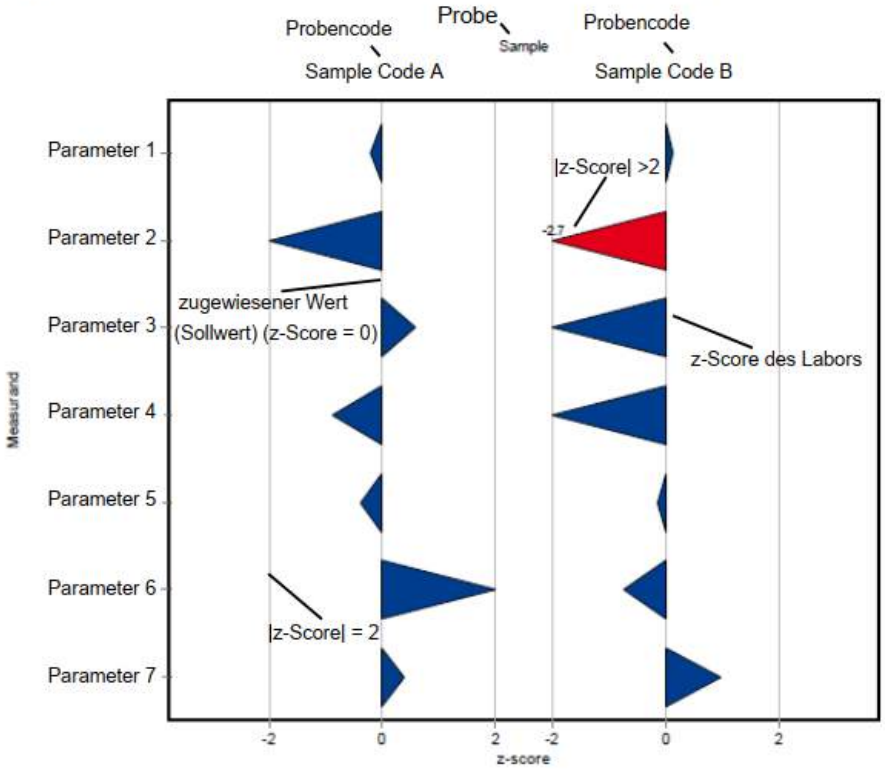
Unterschiedliche Analysenmethoden werden mit unterschiedlichen Farben kenntlich gemacht.

Beispieldiagramm: z-Score

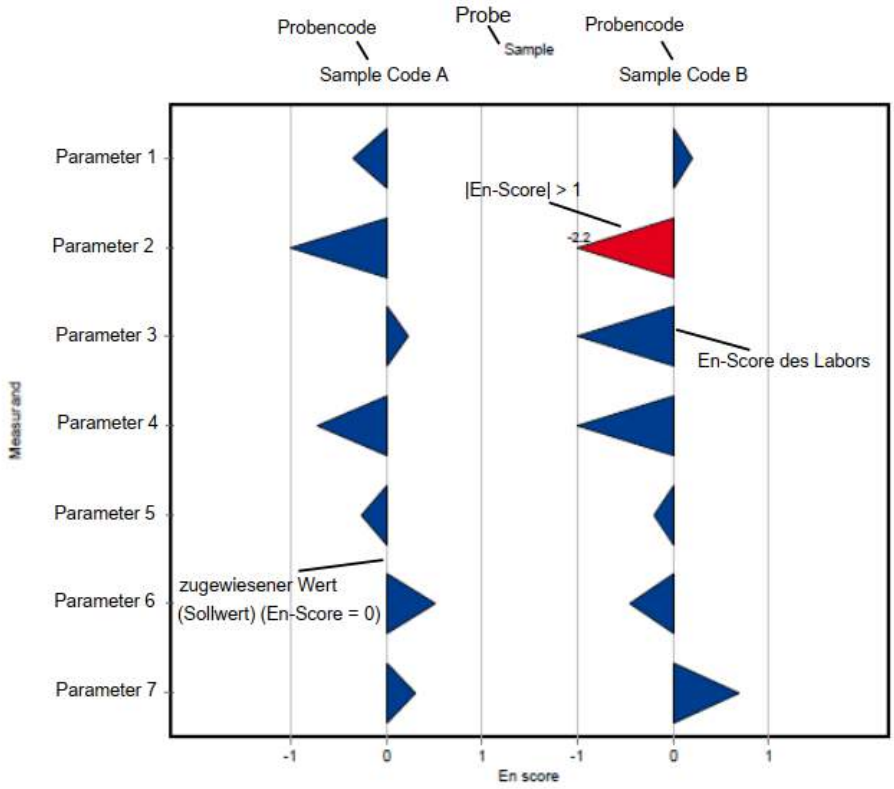


Unterschiedliche Analysenmethoden werden mit unterschiedlichen Farben kenntlich gemacht.

Beispieldiagramm: z-Score (laborientierte Auswertung)



Beispieldiagramm: En-Score (laborientierte Auswertung)



D6. Zusammenfassung

D6.1. Tabelle der zugewiesenen Werte

Parameter	Probe	Einheit	zugewiesener Wert	±	U (k=2)	Kriterium	Kriterium [%]
Acenaphthene	P25 A	ng/l	21	±	1.63	3.99	19
	P25 B	ng/l	129	±	7.05	24.5	19
Acenaphthylene	P25 A	ng/l	19.3	±	1.45	4.63	24
	P25 B	ng/l	167	±	15.5	40.1	24
Anthracene	P25 A	ng/l	22.3	±	0.802	5.81	26
	P25 B	ng/l	139	±	7.99	36.2	26
Benzo[a]anthracene	P25 A	ng/l	22.1	±	2.18	4.64	21
	P25 B	ng/l	155	±	13.7	32.5	21
Benzo[a]pyrene	P25 A	ng/l	15.6	±	3.07	5.3	34
	P25 B	ng/l	128	±	12.2	30.8	24
Benzo[b]fluoranthene	P25 A	ng/l	22.1	±	2.26	3.76	17
	P25 B	ng/l	175	±	16.2	29.8	17
Benzo[g,h,i]perylene	P25 A	ng/l	19.8	±	2.33	4.94	25
	P25 B	ng/l	133	±	16.8	33.3	25
Benzo[k]fluoranthene	P25 A	ng/l	19.7	±	1.64	5.11	26
	P25 B	ng/l	127	±	9.09	33.1	26
Chrysene	P25 A	ng/l	20.3	±	2.06	4.47	22
	P25 B	ng/l	129	±	10.3	28.3	22
Dibenzo[a,h]anthracene	P25 A	ng/l	21.2	±	2	6.36	30
	P25 B	ng/l	106	±	18.7	41.4	39
Fluoranthene	P25 A	ng/l	23.1	±	0.916	4.16	18
	P25 B	ng/l	153	±	7.28	27.6	18
Fluorene	P25 A	ng/l	25.6	±	1.41	3.58	14
	P25 B	ng/l	157	±	11.3	21.9	14
Indeno[1,2,3-cd]pyrene	P25 A	ng/l	21.4	±	2.54	5.35	25
	P25 B	ng/l	140	±	15.1	35	25
Naphthalene	P25 A	ng/l	28.3	±	3.28	5.94	21
	P25 B	ng/l	171	±	15.1	36	21
Phenanthrene	P25 A	ng/l	25.3	±	1.31	3.8	15
	P25 B	ng/l	149	±	10.4	22.3	15
Pyrene	P25 A	ng/l	20.8	±	1.04	3.33	16
	P25 B	ng/l	147	±	6.62	23.6	16

D6.2. Zusammenfassung der ausreißerbereinigten Ringversuchsergebnisse

Parameter	Probe	Anzahl Labors für Berechnung	Anzahl Ausreißer Labors	Einheit	Mittelwert	±	VB (99%)	Minimum	Maximum	sR	vR [%]
Acenaphthene	P25 A	16	2	ng/l	21	±	2.45	14.5	26.5	3.26	16
	P25 B	18	1	ng/l	129	±	10.6	99.5	157	14.9	12
Acenaphthylene	P25 A	14	2	ng/l	19.3	±	2.18	12.8	23	2.72	14
	P25 B	17	2	ng/l	167	±	23.2	93.8	211	31.9	19
Anthracene	P25 A	15	3	ng/l	22.3	±	1.2	19.2	24.5	1.55	6.9
	P25 B	18	2	ng/l	139	±	12	110	170	16.9	12
Benzo[a]anthracene	P25 A	17	3	ng/l	22.1	±	3.27	12.4	28.2	4.49	20
	P25 B	19	2	ng/l	155	±	20.5	99.8	196	29.8	19
Benzo[a]pyrene	P25 A	16	2	ng/l	13.7	±	4.68	0.012	26.3	6.24	46
	P25 B	18	2	ng/l	129	±	14.7	86.4	157	20.8	16
Benzo[b]fluoranthene	P25 A	18	2	ng/l	22.1	±	3.38	12.9	31.4	4.79	22
	P25 B	19	3	ng/l	170	±	22.1	104	218	32.1	19
Benzo[g,h,i]perylene	P25 A	18	2	ng/l	19.8	±	3.5	10.2	30.4	4.95	25
	P25 B	20	1	ng/l	133	±	25.2	58	201	37.5	28
Benzo[k]fluoranthene	P25 A	19	2	ng/l	19.7	±	2.45	11.8	23.6	3.57	18
	P25 B	19	3	ng/l	127	±	13.6	91.5	163	19.8	16
Chrysene	P25 A	17	2	ng/l	20.3	±	3.09	11.8	31.1	4.24	21
	P25 B	18	2	ng/l	129	±	15.5	91.5	171	21.9	17
Dibenzo[a,h]anthracene	P25 A	16	3	ng/l	21.2	±	3	11	27.3	4	19
	P25 B	20	1	ng/l	106	±	28	0.004	164	41.8	39
Fluoranthene	P25 A	18	4	ng/l	23.1	±	1.37	19.5	26.5	1.94	8.4
	P25 B	19	2	ng/l	153	±	10.9	117	190	15.9	10
Fluorene	P25 A	17	2	ng/l	25.6	±	2.11	17.5	29.5	2.9	11
	P25 B	18	2	ng/l	157	±	16.9	111	202	23.9	15
Indeno[1,2,3-cd]pyrene	P25 A	19	3	ng/l	21.4	±	3.81	10.5	29.8	5.53	26
	P25 B	19	3	ng/l	140	±	22.7	83.7	196	33	24
Naphthalene	P25 A	15	2	ng/l	28.3	±	4.93	16.8	40.5	6.36	22

Parameter	Probe	Anzahl Labors für Berechnung	Anzahl Ausreißer Labors	Einheit	Mittelwert	± VB (99%)	Minimum	Maximum	sR	vR [%]
Naphthalene	P25 B	18	1	ng/l	171	± 22.7	112	228	32.1	19
Phenanthrene	P25 A	15	4	ng/l	25.3	± 1.96	21.5	30.3	2.53	10
	P25 B	17	2	ng/l	149	± 15.6	104	181	21.5	14
Pyrene	P25 A	17	3	ng/l	20.8	± 1.55	16	25	2.13	10
	P25 B	18	3	ng/l	147	± 9.93	115	164	14	9.5

E1. Description of the proficiency test

E1.1. Design and implementation

- Number of registrations: 24
- Number of submitted data records: 23
- Dispatch of samples: April 16th, 2024
- Closing date for submission of data: May 14th, 2024

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

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

E1.2. Description of the proficiency test items

The sampling of drinking water and ground water was carried out on April 11th, 2024.

The following samples were made available

- 1 sample drinking water (P25 A)
- 1 sample ground water (P25 B)

Both samples were stored at 4 +/- 3°C until further processing. After filtration (40 µm), the samples were filled into bottles under continuous stirring (stirring vessel). Afterwards the samples were partly spiked in the bottles with specific substances and homogenized by shaking. The samples were stabilized by cooling.

The homogeneous proficiency test items were dispatched on the 16th of April 2024.

Each participant received:

- 2 samples each 2000 ml, filled in 2 x 1000 ml brown glass bottles

E1.3. Instructions for the participants

For reasons of stability, it was recommended to start the analysis by the 18th of April 2024 at the latest.

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

E1.4. Control testing for homogeneity evaluation

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

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

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

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

E1.5. Trend test for stability evaluation

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

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

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

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

E1.6. Determination of the assigned values

The analytical results had to be made available to the organiser not later than 14th of May 2024. Any values received at a later date were not considered.

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

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

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

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

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

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

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

E2. Criteria of performance evaluation

E2.1. Performance criterion z-Score

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

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

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

In this context,

x_i is the measurement value (result) of the participating laboratory;

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

Criteria is the reproducibility standard deviation calculated from previous rounds for proficiency testing for real water samples from 2013 to 2023 (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 criteria is defined by expert judgement and the procedure is clearly described in section E4 of the report.

E2.2. Performance criterion E_n-Score

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

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

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

In this context,

x_i is the measurement value (result) of the participating laboratory

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

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

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

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

Interpretation of z-Scores:

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

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

Interpretation of E_n-Scores:

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

Note: In case of assessment of the participants' performance by E_n-Scores the expanded measurement uncertainties for the results and for the assigned values are taken into account. $|E_n$-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 (± U), recovery rate, calculated z-Score and the outliers in tabular form. The results listed in the table are also represented graphically.

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

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

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

E4. Explanatory notes

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

The recovery rate is calculated for the individual result based on the assigned value and is thus independent of the reproducibility standard deviation. In the case of a high variance of the results, participants should also consider recovery rates as additional criteria to decide on the necessity of internal quality assurance measures.
As a result of a long-term evaluation of 11 proficiency testing rounds (2013–2023 in real samples, evaluation criteria (RSDpool) were calculated.
These criteria were compared with the relative reproducibility standard deviation (vR) of the current proficiency testing.

Parameter Benzo(a)pyrene sample P25 A and parameter Dibenzo(a,h)anthracene sample P25 B:
A reproducibility standard deviation (vR) of 34 % for Benzo(a)pyrene sample P25 A based on the group of accredited participating laboratories was defined and for Dibenzo(a,h)anthracene sample P25 B the actual vR of the current proficiency testing of 39 % was chosen for assessment.

Scores for all other listed parameters were calculated according to E2.

Parameter Benzo(a)pyrene for sample P25 A and parameters Benzo(a)pyrene and Benzo(b)fluoranthene in sample P25 B:
The assigned values calculated based on the participant results were outside of the measurement uncertainty of the control test value and thus traceability could not be proven by this procedure. Therefore, new assigned values were defined by the group of accredited participating laboratories after outlier-assessment.

E5. Annotations on tables and charts

E5.1. Information and abbreviations in tables

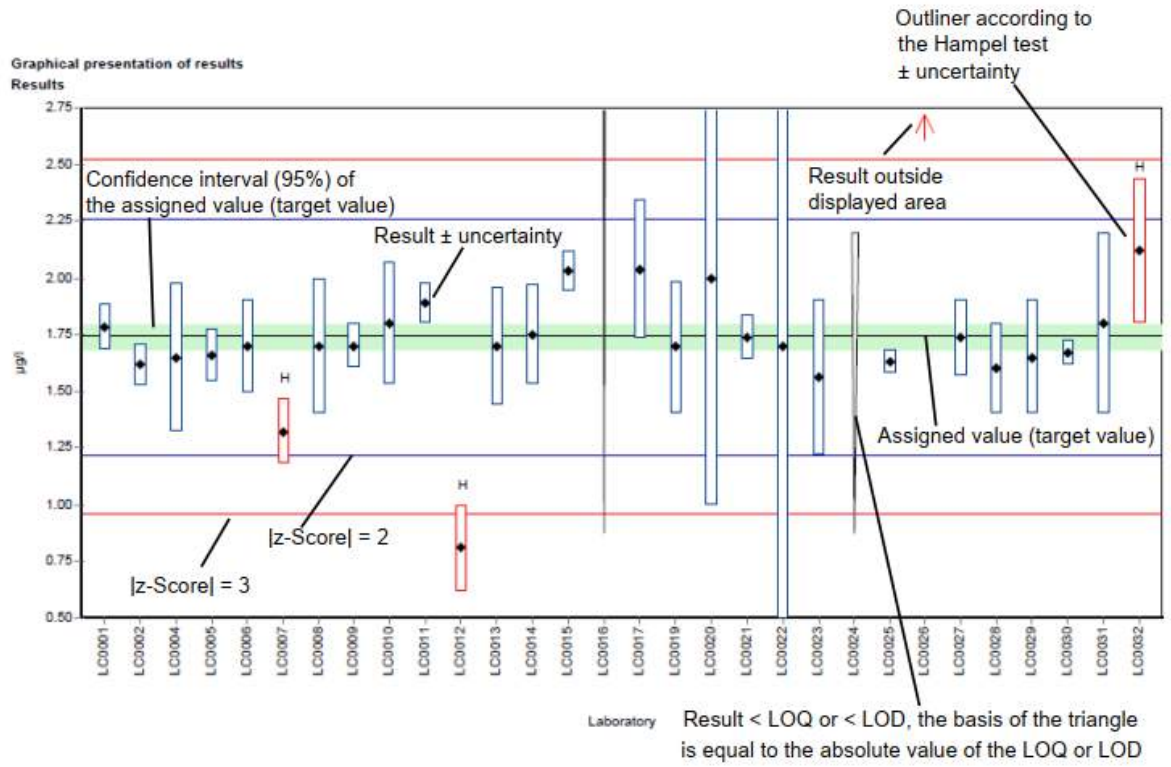
Parameter	Analyte identifier
Sample	Sample identifier
Unit	Given unit for result and uncertainty (e.g. for PAH ng/l)
Assigned value	Target value for proficiency assessment of the participants (3 significant digits)
U (k=2)	Expanded uncertainty (k=2) of the assigned value (3 significant digits)
Criteria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

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

E5.2. Graphical presentation of results

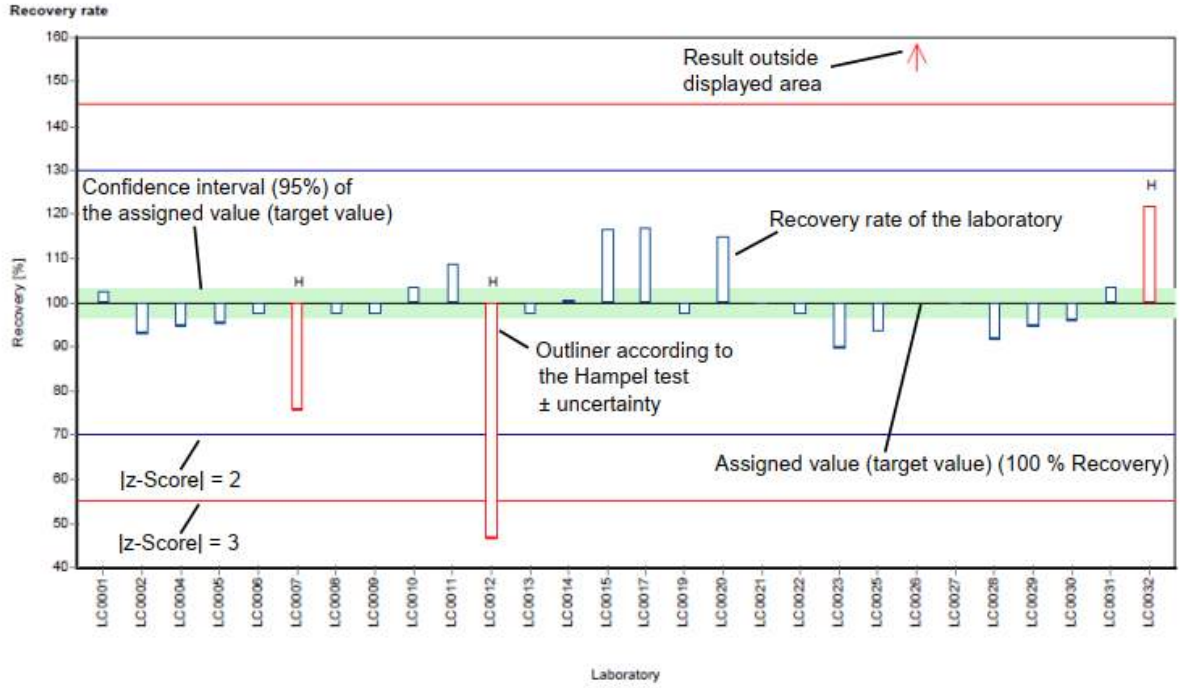
The graphic representation in the report is explained below by means of commented example diagrams:

Example chart: Results



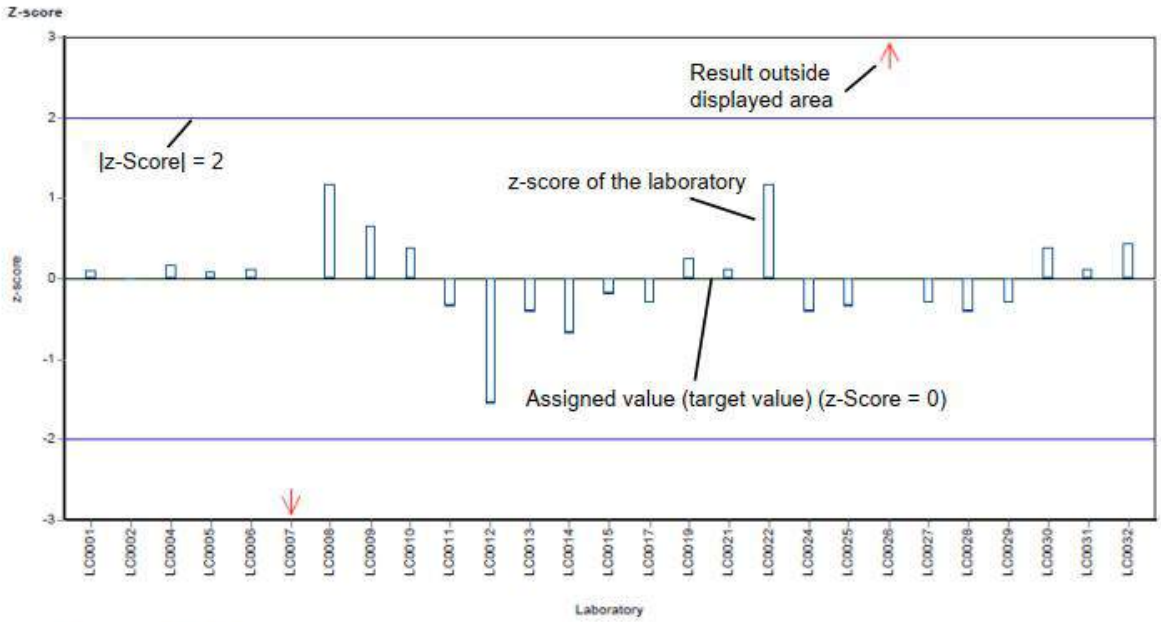
Different analysis methods are represented with different colors.

Example chart: Recovery



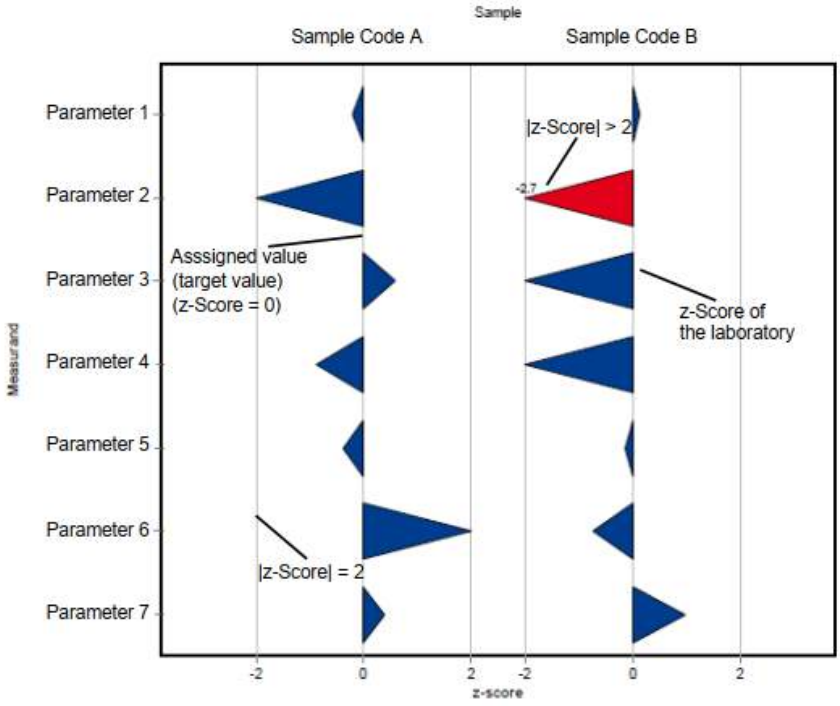
Different analysis methods are represented with different colors.

Example chart: z-Score

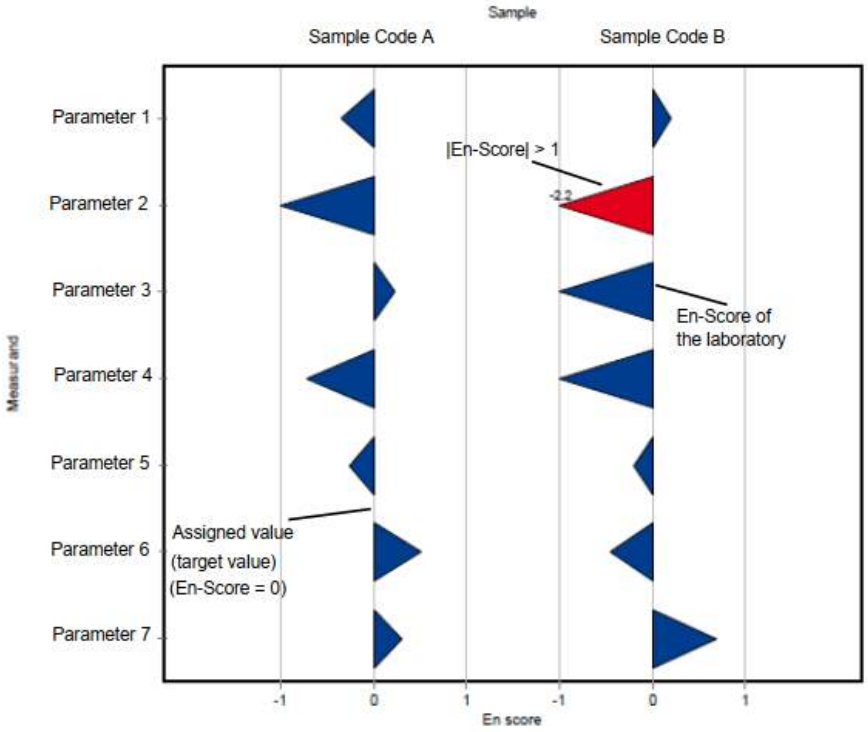


Different analysis methods are represented with different colors.

Example chart: z-Score (laboratory oriented report)



Example chart: En-Score (laboratory oriented report)



E6. Summary

E6.1. Table of assigned values

Parameter	Sample	Unit	Assigned value	±	U (k=2)	Criterion	Criterion [%]
Acenaphthene	P25 A	ng/l	21	±	1.63	3.99	19
	P25 B	ng/l	129	±	7.05	24.5	19
Acenaphthylene	P25 A	ng/l	19.3	±	1.45	4.63	24
	P25 B	ng/l	167	±	15.5	40.1	24
Anthracene	P25 A	ng/l	22.3	±	0.802	5.81	26
	P25 B	ng/l	139	±	7.99	36.2	26
Benzo[a]anthracene	P25 A	ng/l	22.1	±	2.18	4.64	21
	P25 B	ng/l	155	±	13.7	32.5	21
Benzo[a]pyrene	P25 A	ng/l	15.6	±	3.07	5.3	34
	P25 B	ng/l	128	±	12.2	30.8	24
Benzo[b]fluoranthene	P25 A	ng/l	22.1	±	2.26	3.76	17
	P25 B	ng/l	175	±	16.2	29.8	17
Benzo[g,h,i]perylene	P25 A	ng/l	19.8	±	2.33	4.94	25
	P25 B	ng/l	133	±	16.8	33.3	25
Benzo[k]fluoranthene	P25 A	ng/l	19.7	±	1.64	5.11	26
	P25 B	ng/l	127	±	9.09	33.1	26
Chrysene	P25 A	ng/l	20.3	±	2.06	4.47	22
	P25 B	ng/l	129	±	10.3	28.3	22
Dibenzo[a,h]anthracene	P25 A	ng/l	21.2	±	2	6.36	30
	P25 B	ng/l	106	±	18.7	41.4	39
Fluoranthene	P25 A	ng/l	23.1	±	0.916	4.16	18
	P25 B	ng/l	153	±	7.28	27.6	18
Fluorene	P25 A	ng/l	25.6	±	1.41	3.58	14
	P25 B	ng/l	157	±	11.3	21.9	14
Indeno[1,2,3-cd]pyrene	P25 A	ng/l	21.4	±	2.54	5.35	25
	P25 B	ng/l	140	±	15.1	35	25
Naphthalene	P25 A	ng/l	28.3	±	3.28	5.94	21
	P25 B	ng/l	171	±	15.1	36	21
Phenanthrene	P25 A	ng/l	25.3	±	1.31	3.8	15
	P25 B	ng/l	149	±	10.4	22.3	15
Pyrene	P25 A	ng/l	20.8	±	1.04	3.33	16
	P25 B	ng/l	147	±	6.62	23.6	16

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 [%]
Acenaphthene	P25 A	16	2	ng/l	21	±	2.45	14.5	26.5	3.26	16
	P25 B	18	1	ng/l	129	±	10.6	99.5	157	14.9	12
Acenaphthylene	P25 A	14	2	ng/l	19.3	±	2.18	12.8	23	2.72	14
	P25 B	17	2	ng/l	167	±	23.2	93.8	211	31.9	19
Anthracene	P25 A	15	3	ng/l	22.3	±	1.2	19.2	24.5	1.55	6.9
	P25 B	18	2	ng/l	139	±	12	110	170	16.9	12
Benzo[a]anthracene	P25 A	17	3	ng/l	22.1	±	3.27	12.4	28.2	4.49	20
	P25 B	19	2	ng/l	155	±	20.5	99.8	196	29.8	19
Benzo[a]pyrene	P25 A	16	2	ng/l	13.7	±	4.68	0.012	26.3	6.24	46
	P25 B	18	2	ng/l	129	±	14.7	86.4	157	20.8	16
Benzo[b]fluoranthene	P25 A	18	2	ng/l	22.1	±	3.38	12.9	31.4	4.79	22
	P25 B	19	3	ng/l	170	±	22.1	104	218	32.1	19
Benzo[g,h,i]perylene	P25 A	18	2	ng/l	19.8	±	3.5	10.2	30.4	4.95	25
	P25 B	20	1	ng/l	133	±	25.2	58	201	37.5	28
Benzo[k]fluoranthene	P25 A	19	2	ng/l	19.7	±	2.45	11.8	23.6	3.57	18
	P25 B	19	3	ng/l	127	±	13.6	91.5	163	19.8	16
Chrysene	P25 A	17	2	ng/l	20.3	±	3.09	11.8	31.1	4.24	21
	P25 B	18	2	ng/l	129	±	15.5	91.5	171	21.9	17
Dibenzo[a,h]anthracene	P25 A	16	3	ng/l	21.2	±	3	11	27.3	4	19
	P25 B	20	1	ng/l	106	±	28	0.004	164	41.8	39
Fluoranthene	P25 A	18	4	ng/l	23.1	±	1.37	19.5	26.5	1.94	8.4
	P25 B	19	2	ng/l	153	±	10.9	117	190	15.9	10
Fluorene	P25 A	17	2	ng/l	25.6	±	2.11	17.5	29.5	2.9	11
	P25 B	18	2	ng/l	157	±	16.9	111	202	23.9	15
Indeno[1,2,3-cd]pyrene	P25 A	19	3	ng/l	21.4	±	3.81	10.5	29.8	5.53	26
	P25 B	19	3	ng/l	140	±	22.7	83.7	196	33	24
Naphthalene	P25 A	15	2	ng/l	28.3	±	4.93	16.8	40.5	6.36	22
	P25 B	18	1	ng/l	171	±	22.7	112	228	32.1	19
Phenanthrene	P25 A	15	4	ng/l	25.3	±	1.96	21.5	30.3	2.53	10
	P25 B	17	2	ng/l	149	±	15.6	104	181	21.5	14
Pyrene	P25 A	17	3	ng/l	20.8	±	1.55	16	25	2.13	10
	P25 B	18	3	ng/l	147	±	9.93	115	164	14	9.5

E7. Parameterorientierte Auswertung / Parameter oriented report

Acenaphthene 34
Acenaphthylene 42
Anthracene 50
Benzo[a]anthracene 58
Benzo[a]pyrene 66
Benzo[b]fluoranthene 74
Benzo[g,h,i]perylene 82
Benzo[k]fluoranthene 90
Chrysene 98
Dibenzo[a,h]anthracene 106
Fluoranthene 114
Fluorene 122
Indeno[1,2,3-cd]pyrene 130
Naphthalene 138
Phenanthrene 146
Pyrene 154

Parameter oriented report

P25 A

Acenaphthene

Unit	ng/l
Assigned value ± U (k=2)	21 ± 1.63
Criterion	3.99 (19 %)
Minimum - Maximum	14.5 - 26.5
Control test value ± U (k=2)	27.1 ± 9.48

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	22	13.3	105	0.26	
LC0002	21.22	2	101	0.06	
LC0003	24	1	114	0.76	
LC0004	-	-	-	-	
LC0005	23.4	2.34	112	0.61	
LC0006	31.9	1.6	152	2.74	H
LC0007	16.09	4.83	76.7	-1.23	
LC0008	< 5 (LOQ)	-	-	-	FN
LC0009	22.7	4.54	108	0.43	
LC0010	< 0.003 (LOQ)	-	-	-	FN
LC0011	65.3	13.1	311	11.12	H
LC0012	16.5	1.7	78.6	-1.12	
LC0013	19	0.49	90.6	-0.5	
LC0014	22.67	6.9	108	0.42	
LC0015	19.08	3.5	90.9	-0.48	
LC0016	-	-	-	-	
LC0017	-	-	-	-	
LC0018	< 200 (LOQ)	-	-	-	
LC0019	26.5	5.3	126	1.38	
LC0020	14.54	0.852	69.3	-1.62	
LC0021	23	5	110	0.51	
LC0022	19.99	0.35	95.3	-0.25	
LC0023	21	13	100	0.01	
LC0024	23.99	2.52	114	0.76	

Characteristics of parameter

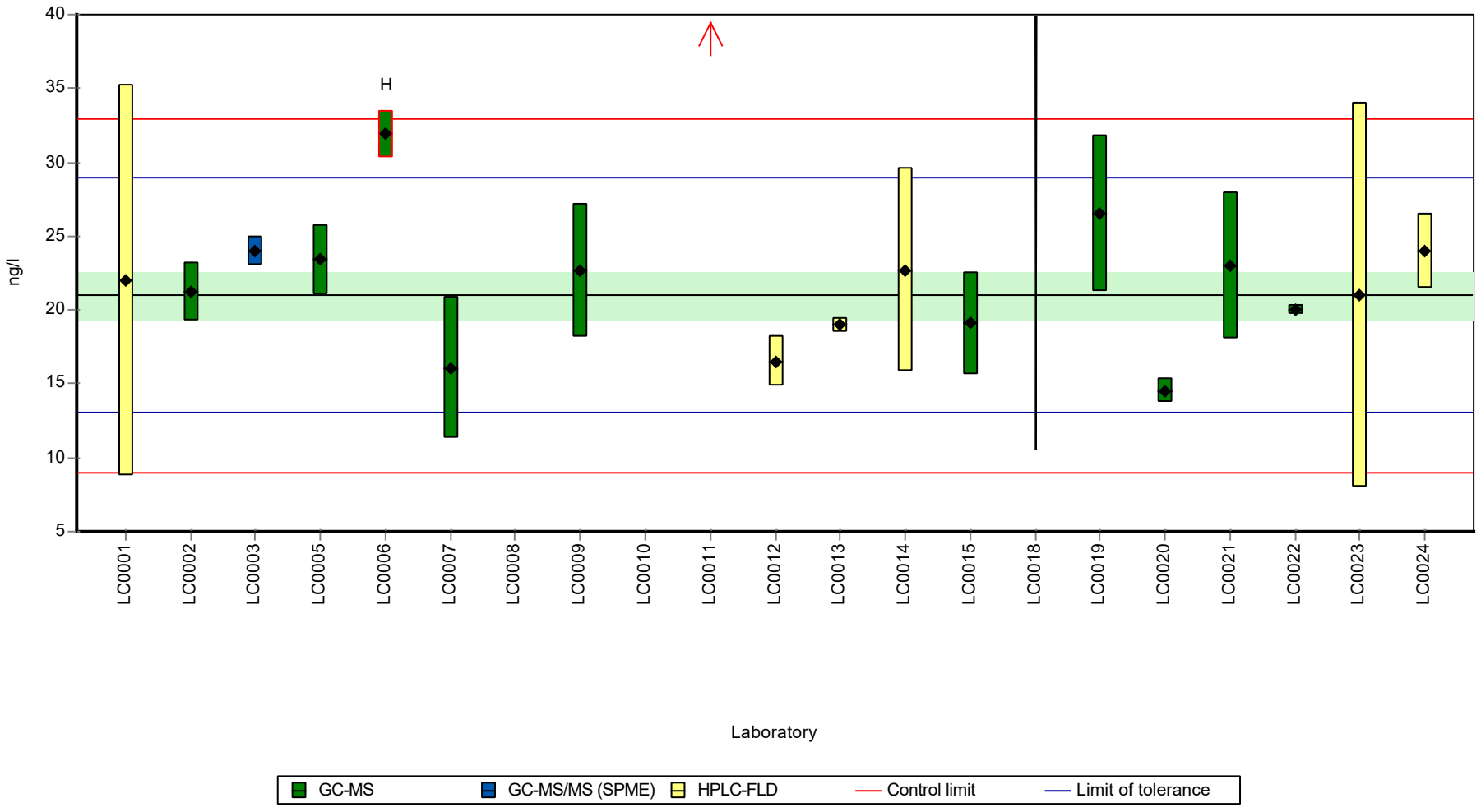
	all results	w ithout outliers	Unit
Mean ± CI (99%)	24 ± 7.81	21 ± 2.45	ng/l
Minimum	14.5	14.5	ng/l
Maximum	65.3	26.5	ng/l
Standard deviation	11	3.26	ng/l
rel. standard deviation	45.9	15.5	%
n	18	16	-

Parameter oriented report Polycyclic Aromatic Hydrocarbons P25

Sample: P25A, Parameter: Acenaphthene

Graphical presentation of results

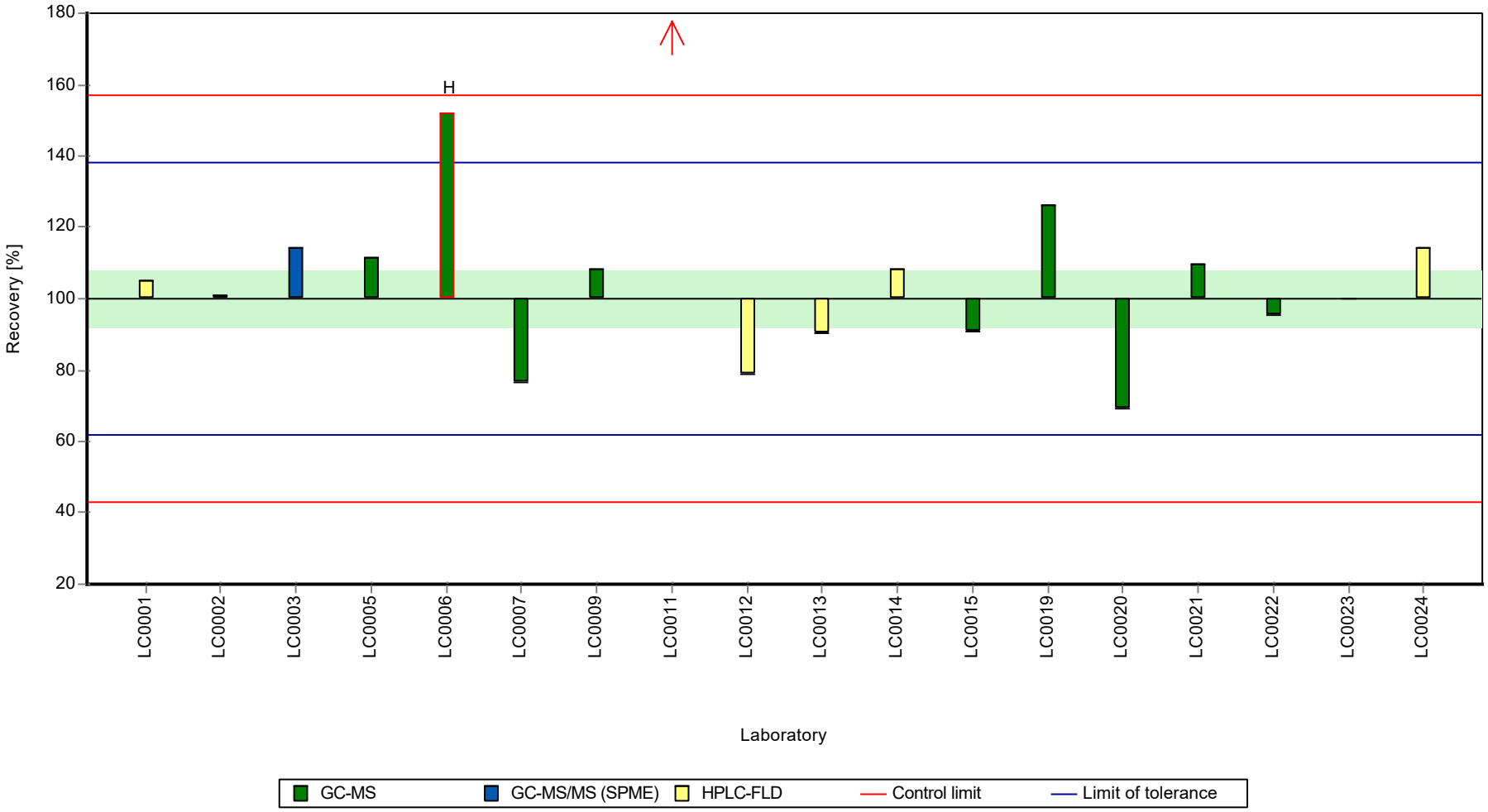
Results



Parameter oriented report Polycyclic Aromatic Hydrocarbons P25

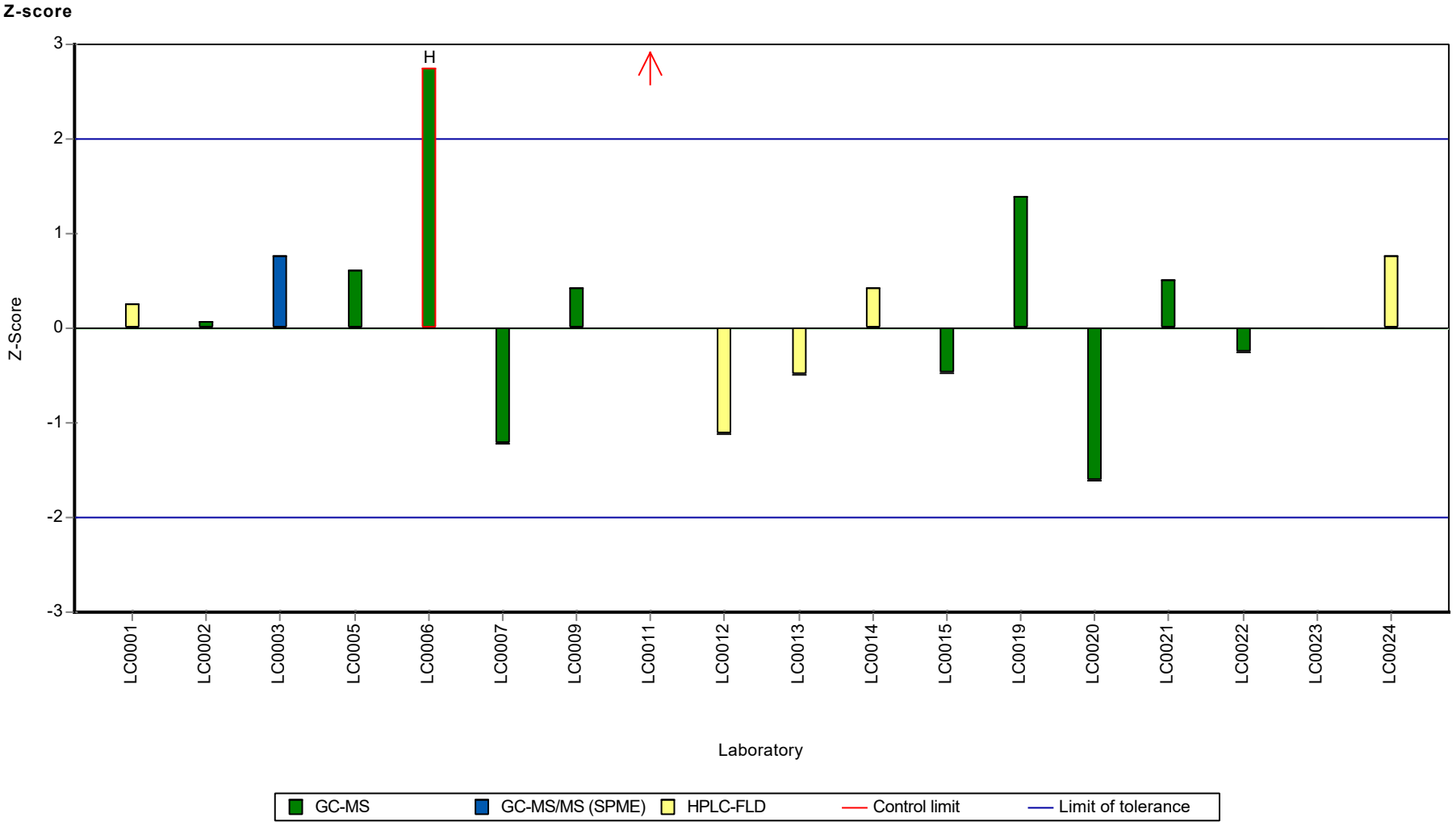
Sample: P25A, Parameter: Acenaphthene

Recovery rate



Parameter oriented report Polycyclic Aromatic Hydrocarbons P25

Sample: P25A, Parameter: Acenaphthene



Parameter oriented report

P25 B

Acenaphthene

Unit	ng/l
Assigned value ± U (k=2)	129 ± 7.05
Criterion	24.5 (19 %)
Minimum - Maximum	99.5 - 157
Control test value ± U (k=2)	162.0 ± 56.6

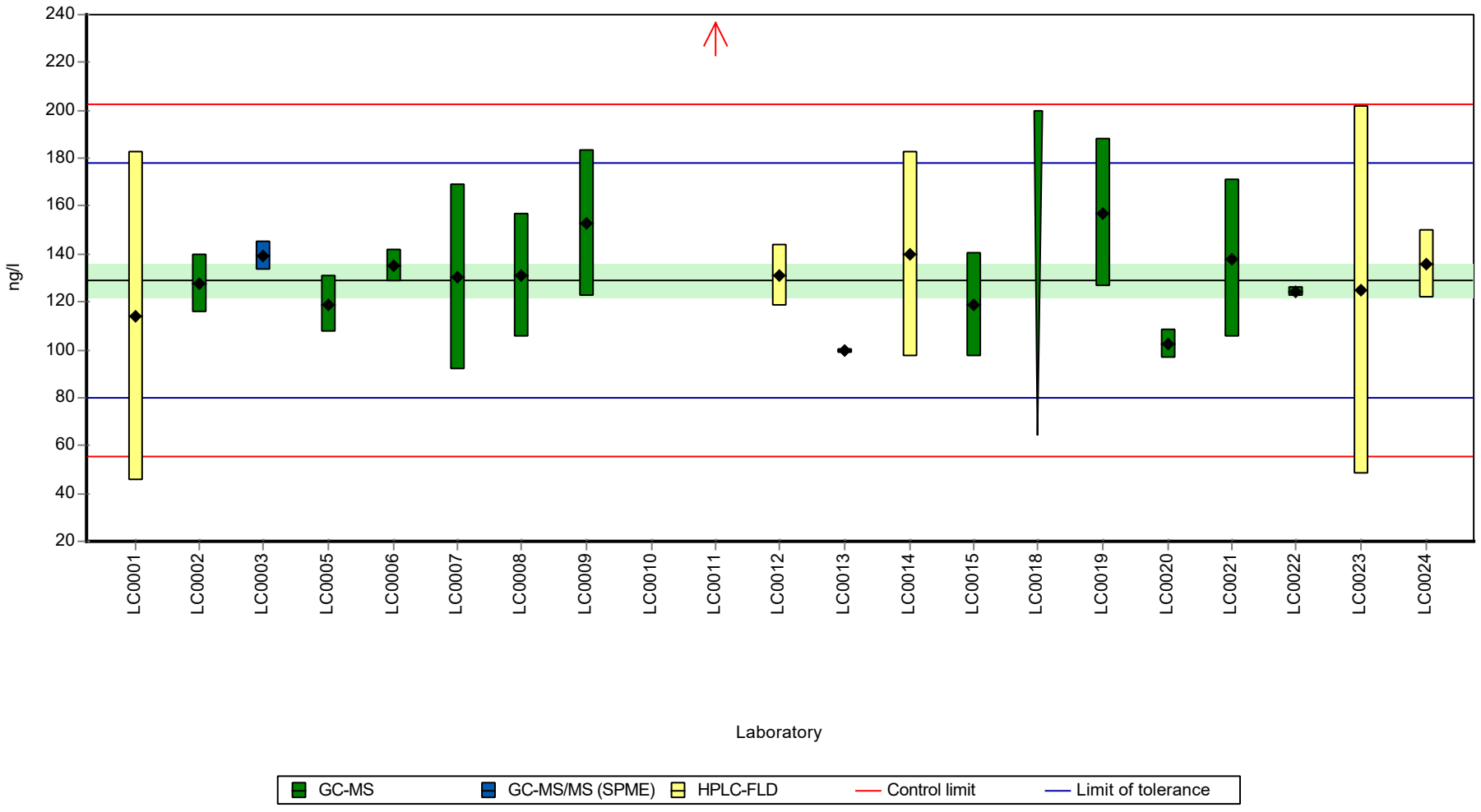
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	114	69	88.4	-0.61	
LC0002	127.76	12.3	99.1	-0.05	
LC0003	139	6	108	0.41	
LC0004	-	-	-	-	
LC0005	119	11.9	92.3	-0.41	
LC0006	135	6.8	105	0.25	
LC0007	130.37	39.11	101	0.06	
LC0008	131	26.2	102	0.08	
LC0009	153	30.6	119	0.98	
LC0010	< 0.003 (LOQ)	-	-	-	FN
LC0011	384	77	298	10.41	H
LC0012	131	13	102	0.08	
LC0013	99.5	1.01	77.2	-1.2	
LC0014	140.1	43	109	0.46	
LC0015	118.53	21.9	91.9	-0.42	
LC0016	-	-	-	-	
LC0017	-	-	-	-	
LC0018	< 200 (LOQ)	-	-	-	
LC0019	157	31	122	1.15	
LC0020	102.6	6.013	79.6	-1.07	
LC0021	138	33	107	0.37	
LC0022	124.1	2.24	96.3	-0.2	
LC0023	125	77	97	-0.16	
LC0024	135.7	14.2	105	0.28	

Characteristics of parameter

	all results	w ithout outliers	Unit
Mean ± CI (99%)	142 ± 41.5	129 ± 10.6	ng/l
Minimum	99.5	99.5	ng/l
Maximum	384	157	ng/l
Standard deviation	60.3	14.9	ng/l
rel. standard deviation	42.4	11.6	%
n	19	18	-

Graphical presentation of results

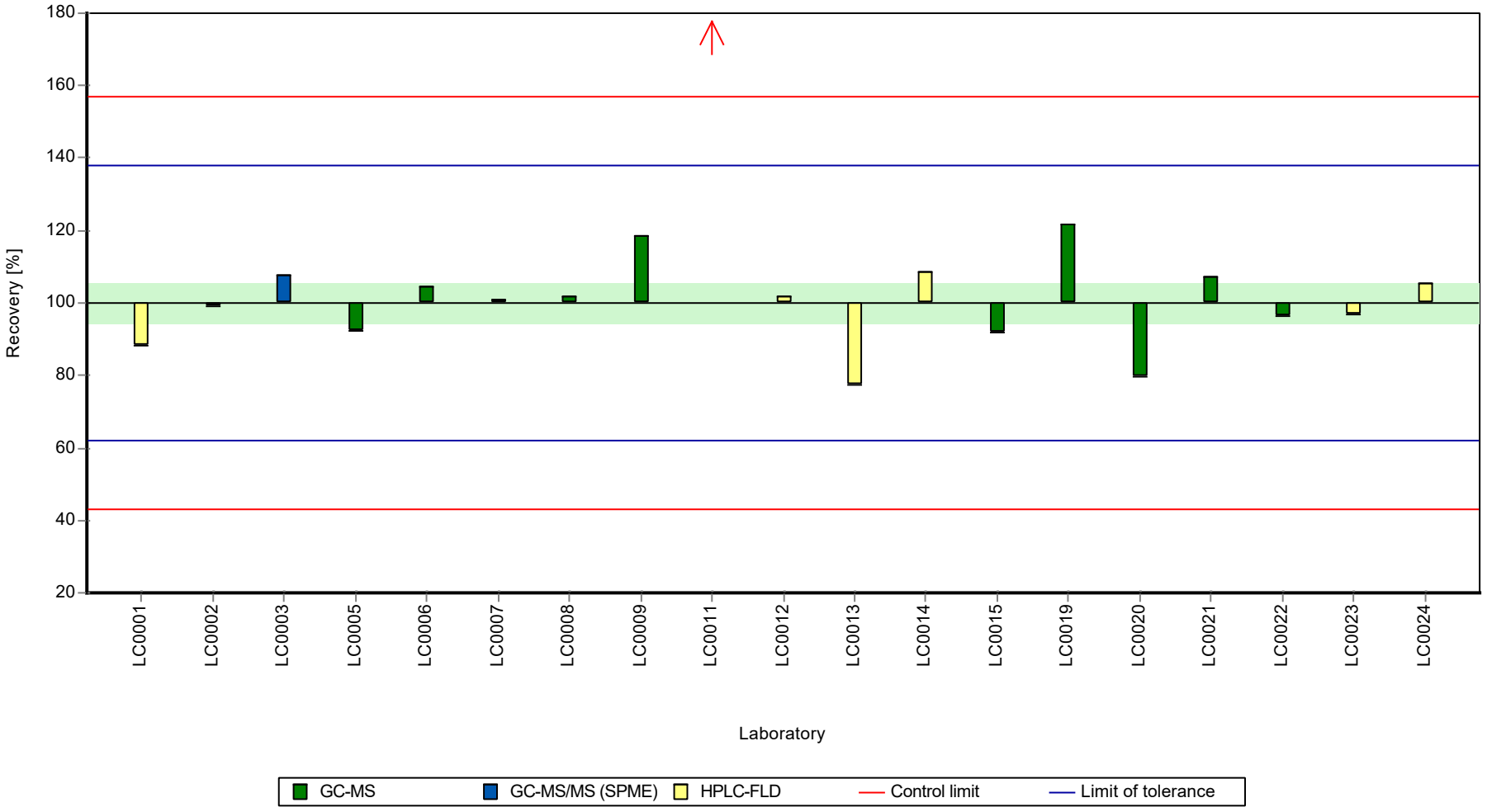
Results



Parameter oriented report Polycyclic Aromatic Hydrocarbons P25

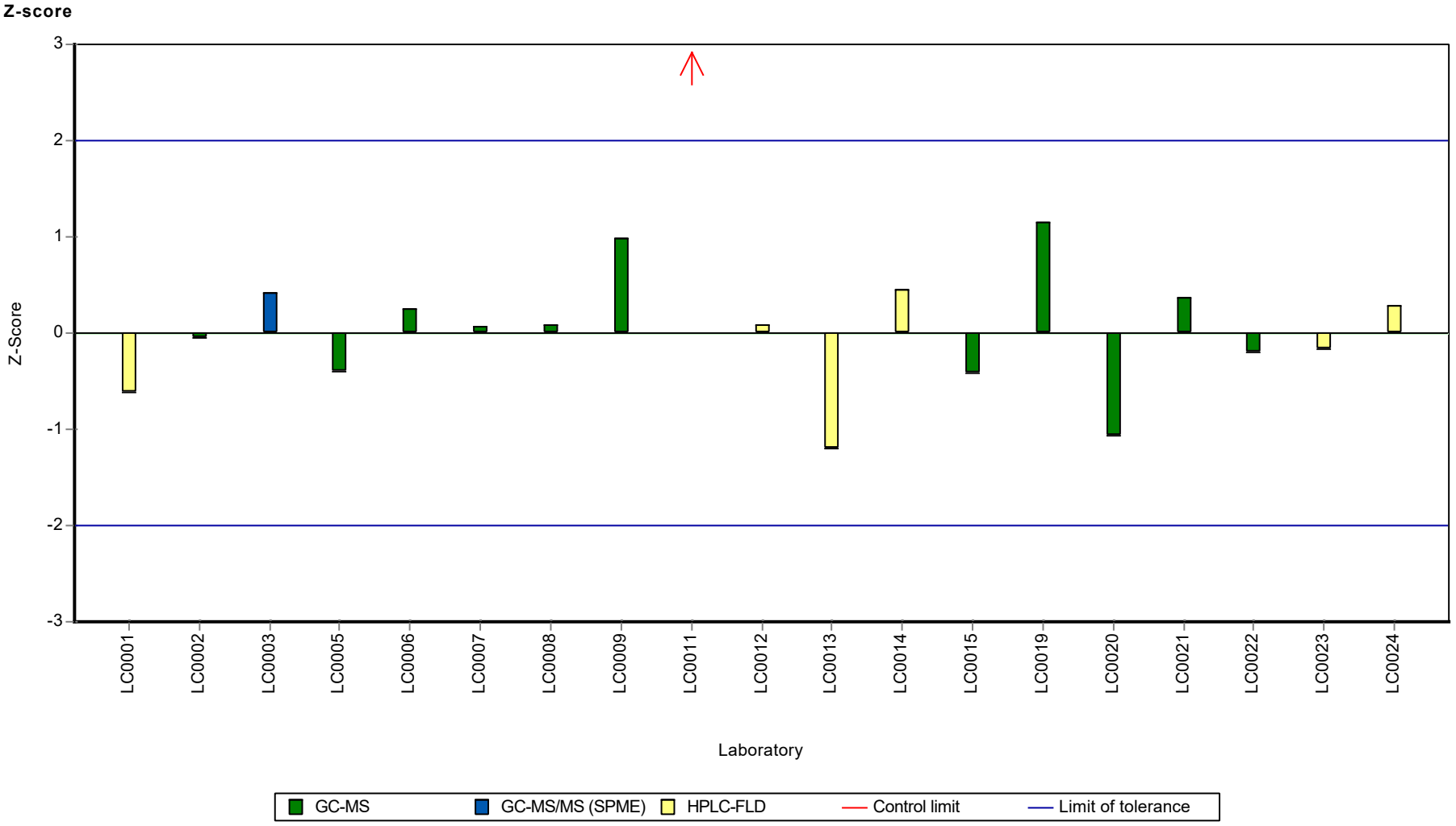
Sample: P25B, Parameter: Acenaphthene

Recovery rate



Parameter oriented report Polycyclic Aromatic Hydrocarbons P25

Sample: P25B, Parameter: Acenaphthene



Parameter oriented report

P25 A

Acenaphthylene

Unit	ng/l
Assigned value ± U (k=2)	19.3 ± 1.45
Criterion	4.63 (24 %)
Minimum - Maximum	12.8 - 23
Control test value ± U (k=2)	23.6 ± 7.07

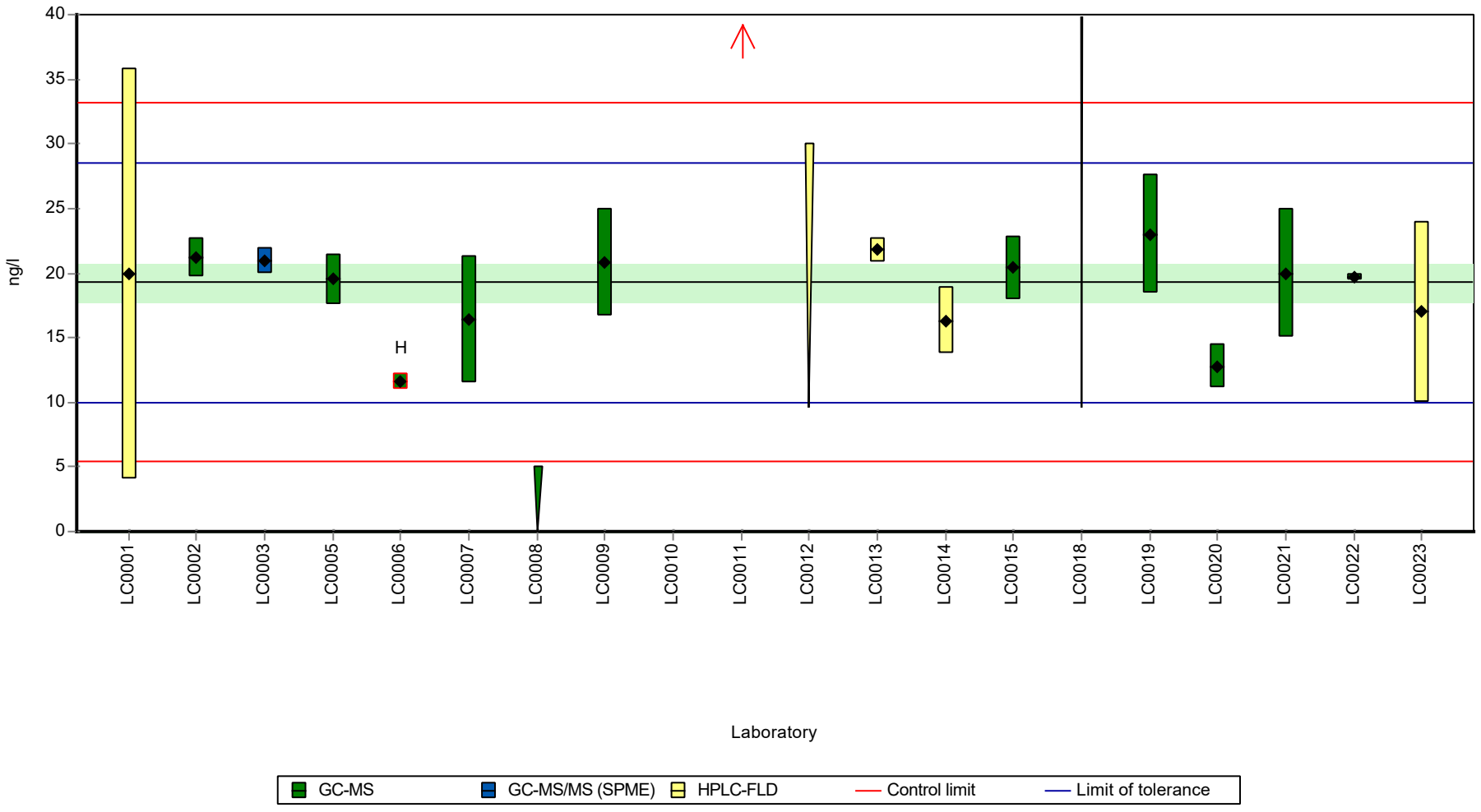
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	19.9	15.9	103	0.14	
LC0002	21.21	1.5	110	0.42	
LC0003	21	1	109	0.37	
LC0004	-	-	-	-	
LC0005	19.5	1.95	101	0.05	
LC0006	11.6	0.58	60.2	-1.66	H
LC0007	16.42	4.93	85.2	-0.62	
LC0008	< 5 (LOQ)	-	-	-	FN
LC0009	20.83	4.17	108	0.34	
LC0010	< 0.003 (LOQ)	-	-	-	FN
LC0011	41.4	8.3	215	4.78	H
LC0012	< 30 (LOQ)	-	-	-	
LC0013	21.8	0.95	113	0.55	
LC0014	16.32	2.6	84.7	-0.64	
LC0015	20.38	2.4	106	0.24	
LC0016	-	-	-	-	
LC0017	-	-	-	-	
LC0018	< 200 (LOQ)	-	-	-	
LC0019	23	4.6	119	0.81	
LC0020	12.79	1.707	66.4	-1.4	
LC0021	20	5	104	0.16	
LC0022	19.69	0.26	102	0.09	
LC0023	17	7	88.2	-0.49	
LC0024	-	-	-	-	

Characteristics of parameter

	all results	w ithout outliers	Unit
Mean ± CI (99%)	20.2 ± 4.87	19.3 ± 2.18	ng/l
Minimum	11.6	12.8	ng/l
Maximum	41.4	23	ng/l
Standard deviation	6.49	2.72	ng/l
rel. standard deviation	32.2	14.1	%
n	16	14	-

Graphical presentation of results

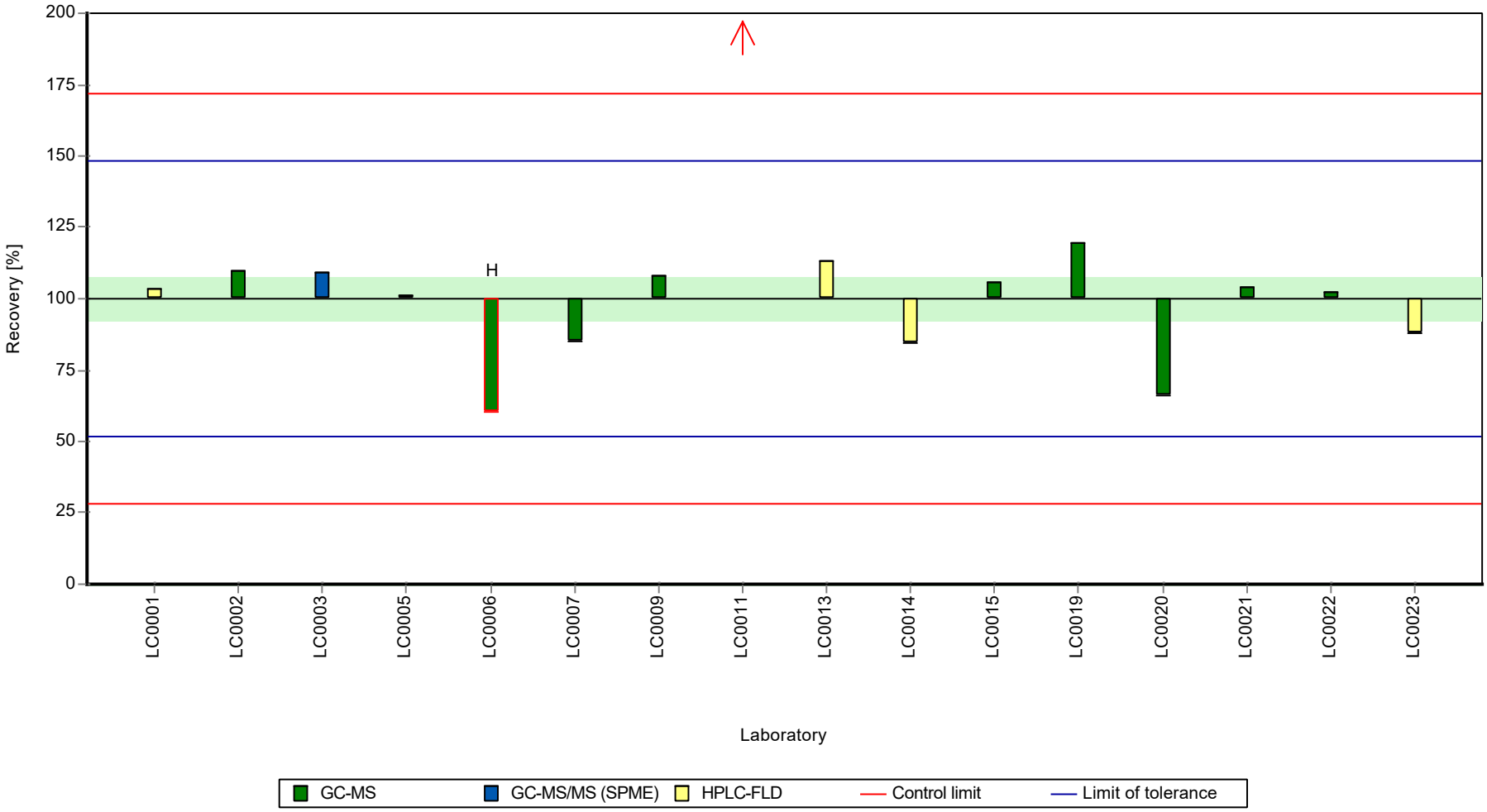
Results



Parameter oriented report Polycyclic Aromatic Hydrocarbons P25

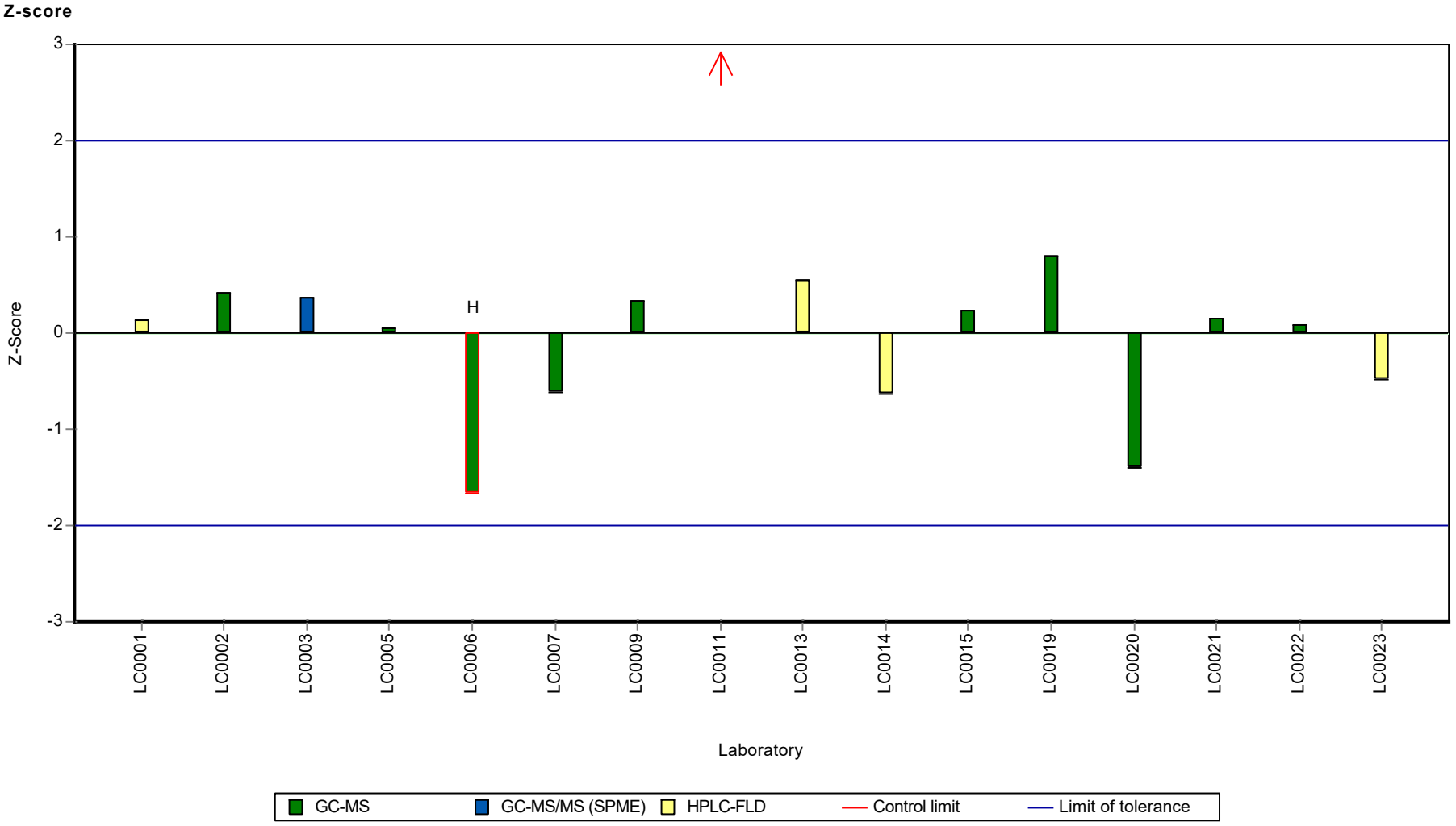
Sample: P25A, Parameter: Acenaphthylene

Recovery rate



Parameter oriented report Polycyclic Aromatic Hydrocarbons P25

Sample: P25A, Parameter: Acenaphthylene



Parameter oriented report

P25 B

Acenaphthylene

Unit	ng/l
Assigned value ± U (k=2)	167 ± 15.5
Criterion	40.1 (24 %)
Minimum - Maximum	93.8 - 211
Control test value ± U (k=2)	218.0 ± 65.5

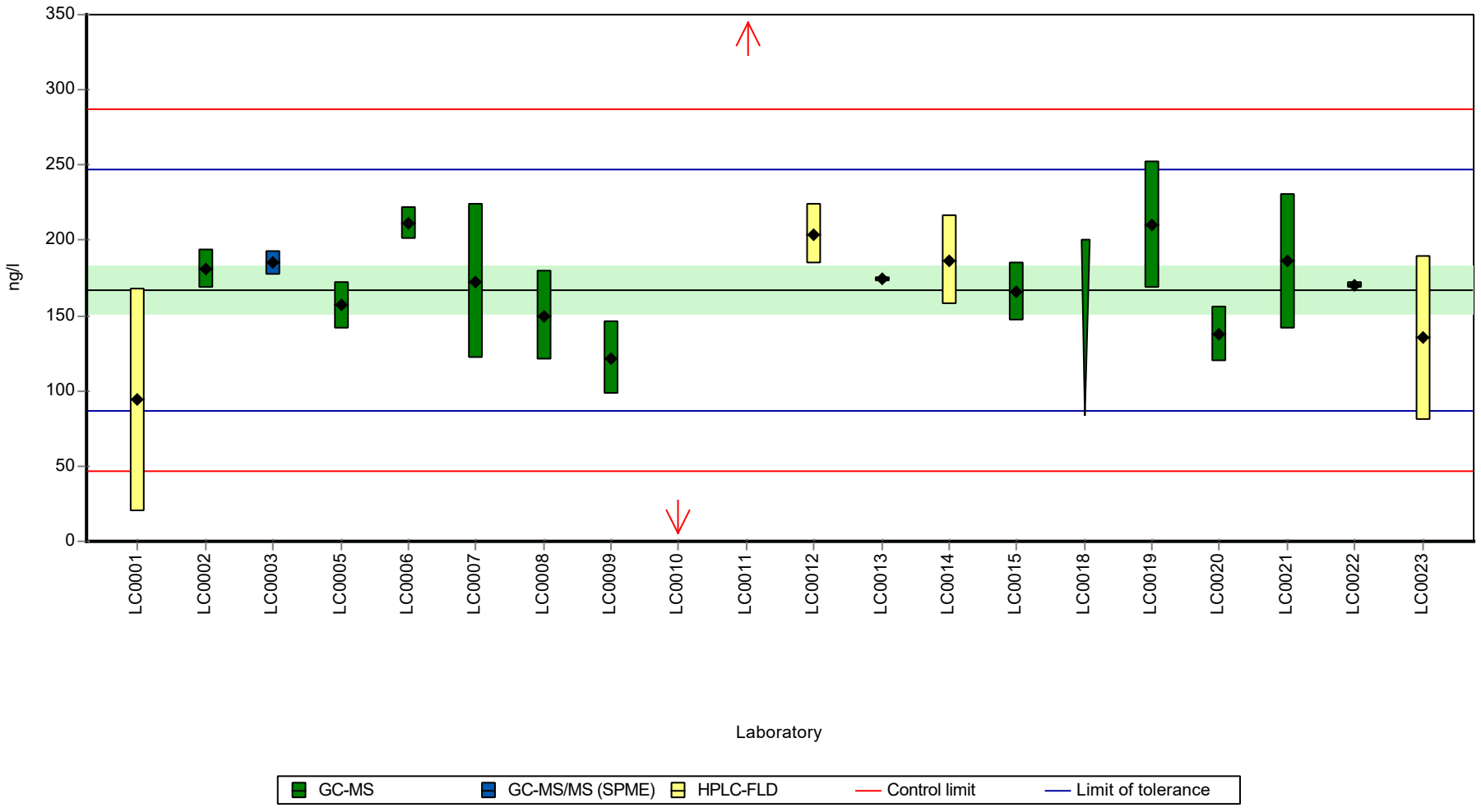
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	93.8	74.7	56.1	-1.83	
LC0002	180.9	12.7	108	0.34	
LC0003	185	8	111	0.44	
LC0004	-	-	-	-	
LC0005	157	15.7	93.9	-0.25	
LC0006	211	11	126	1.09	
LC0007	172.83	51.85	103	0.14	
LC0008	150	30	89.7	-0.43	
LC0009	121.55	24.31	72.7	-1.14	
LC0010	0.008	0.001	0	-4.17	H
LC0011	387	77	232	5.48	H
LC0012	204	20	122	0.92	
LC0013	174	1.9	104	0.17	
LC0014	186.8	30	112	0.49	
LC0015	166.18	19.5	99.4	-0.02	
LC0016	-	-	-	-	
LC0017	-	-	-	-	
LC0018	< 200 (LOQ)	-	-	-	
LC0019	210	42	126	1.07	
LC0020	137.2	18.316	82.1	-0.75	
LC0021	186	45	111	0.47	
LC0022	170.5	2.2	102	0.08	
LC0023	135	55	80.8	-0.8	
LC0024	-	-	-	-	

Characteristics of parameter

	all results	w ithout outliers	Unit
Mean ± CI (99%)	170 ± 49.3	167 ± 23.2	ng/l
Minimum	0.008	93.8	ng/l
Maximum	387	211	ng/l
Standard deviation	71.6	31.9	ng/l
rel. standard deviation	42.2	19.1	%
n	19	17	-

Graphical presentation of results

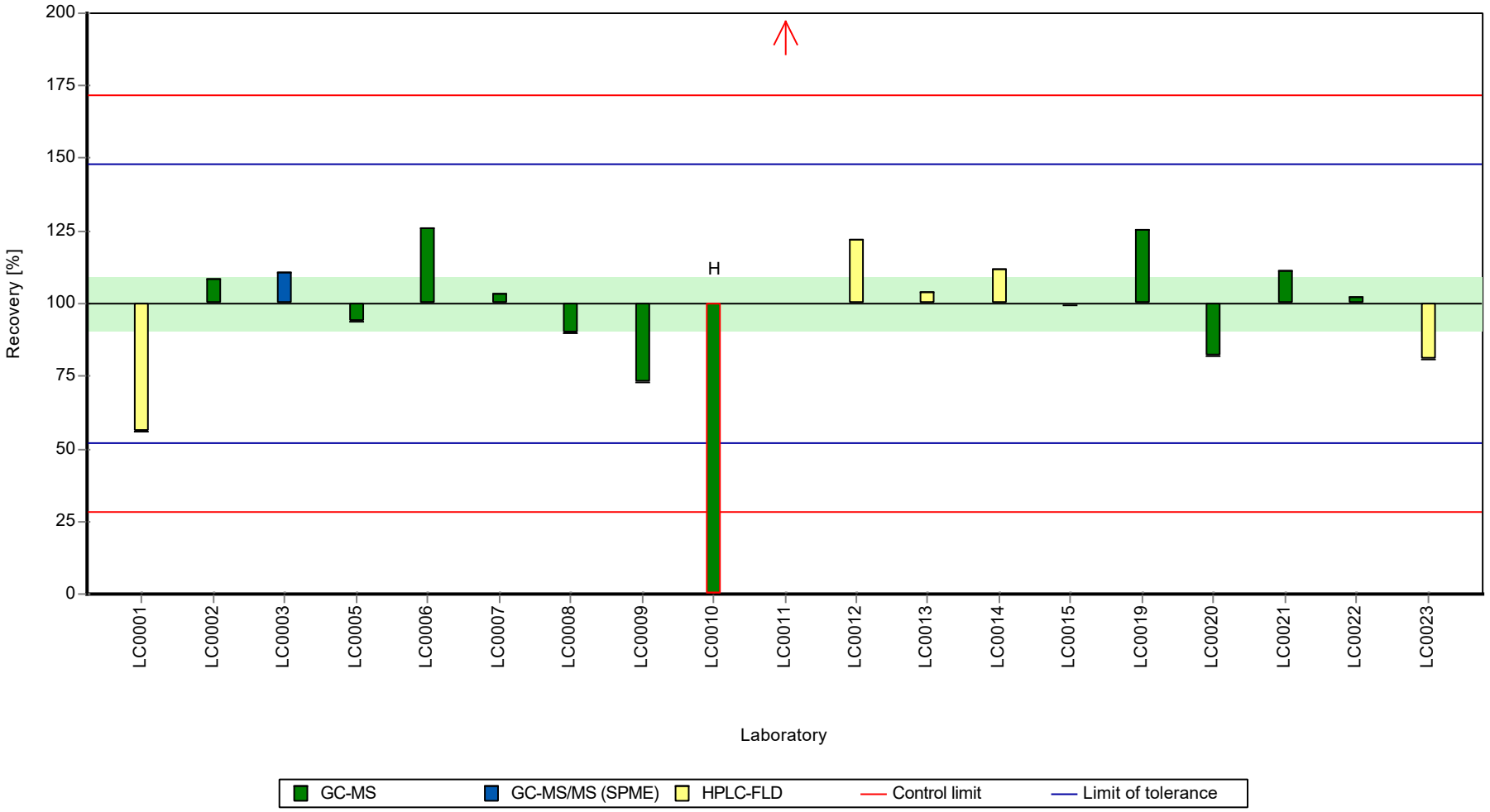
Results



Parameter oriented report Polycyclic Aromatic Hydrocarbons P25

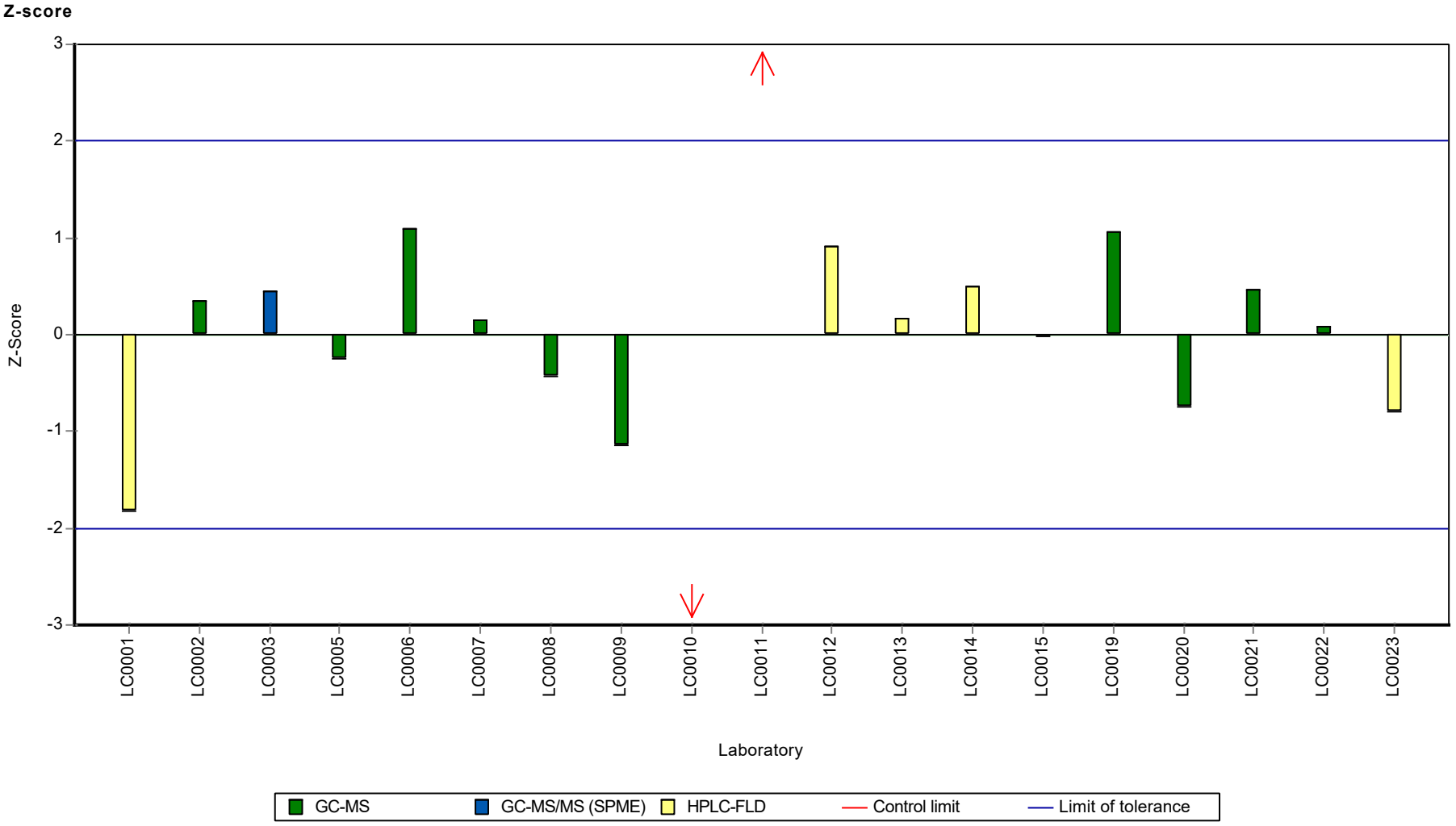
Sample: P25B, Parameter: Acenaphthylene

Recovery rate



Parameter oriented report Polycyclic Aromatic Hydrocarbons P25

Sample: P25B, Parameter: Acenaphthylene



Parameter oriented report

P25 A

Anthracene

Unit	ng/l
Assigned value ± U (k=2)	22.3 ± 0.802
Criterion	5.81 (26 %)
Minimum - Maximum	19.2 - 24.5
Control test value ± U (k=2)	25.5 ± 6.37

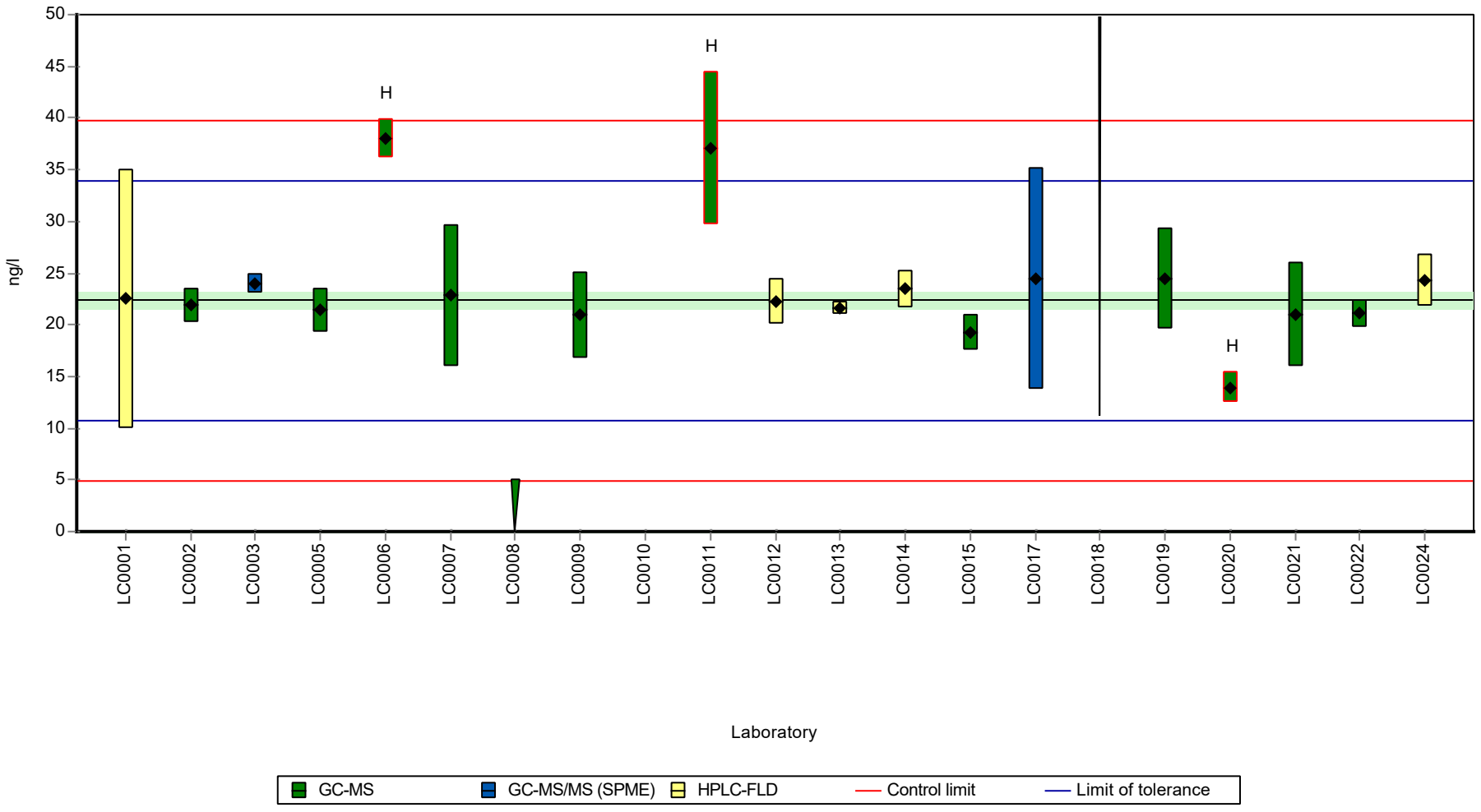
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	22.5	12.5	101	0.03	
LC0002	21.87	1.7	97.9	-0.08	
LC0003	24	1	107	0.28	
LC0004	-	-	-	-	
LC0005	21.4	2.14	95.8	-0.16	
LC0006	38	1.9	170	2.69	H
LC0007	22.8	6.84	102	0.08	
LC0008	< 5 (LOQ)	-	-	-	FN
LC0009	20.91	4.18	93.6	-0.25	
LC0010	< 0.003 (LOQ)	-	-	-	FN
LC0011	37.1	7.4	166	2.54	H
LC0012	22.2	2.2	99.3	-0.03	
LC0013	21.6	0.57	96.7	-0.13	
LC0014	23.44	1.8	105	0.19	
LC0015	19.24	1.8	86.1	-0.53	
LC0016	-	-	-	-	
LC0017	24.43	10.74	109	0.36	
LC0018	< 200 (LOQ)	-	-	-	
LC0019	24.5	4.9	110	0.37	
LC0020	13.94	1.524	62.4	-1.45	H
LC0021	21	5	94	-0.23	
LC0022	21.06	1.29	94.2	-0.22	
LC0023	-	-	-	-	
LC0024	24.28	2.55	109	0.33	

Characteristics of parameter

	all results	w ithout outliers	Unit
Mean ± Cl (99%)	23.6 ± 3.99	22.3 ± 1.2	ng/l
Minimum	13.9	19.2	ng/l
Maximum	38	24.5	ng/l
Standard deviation	5.64	1.55	ng/l
rel. standard deviation	23.9	6.95	%
n	18	15	-

Graphical presentation of results

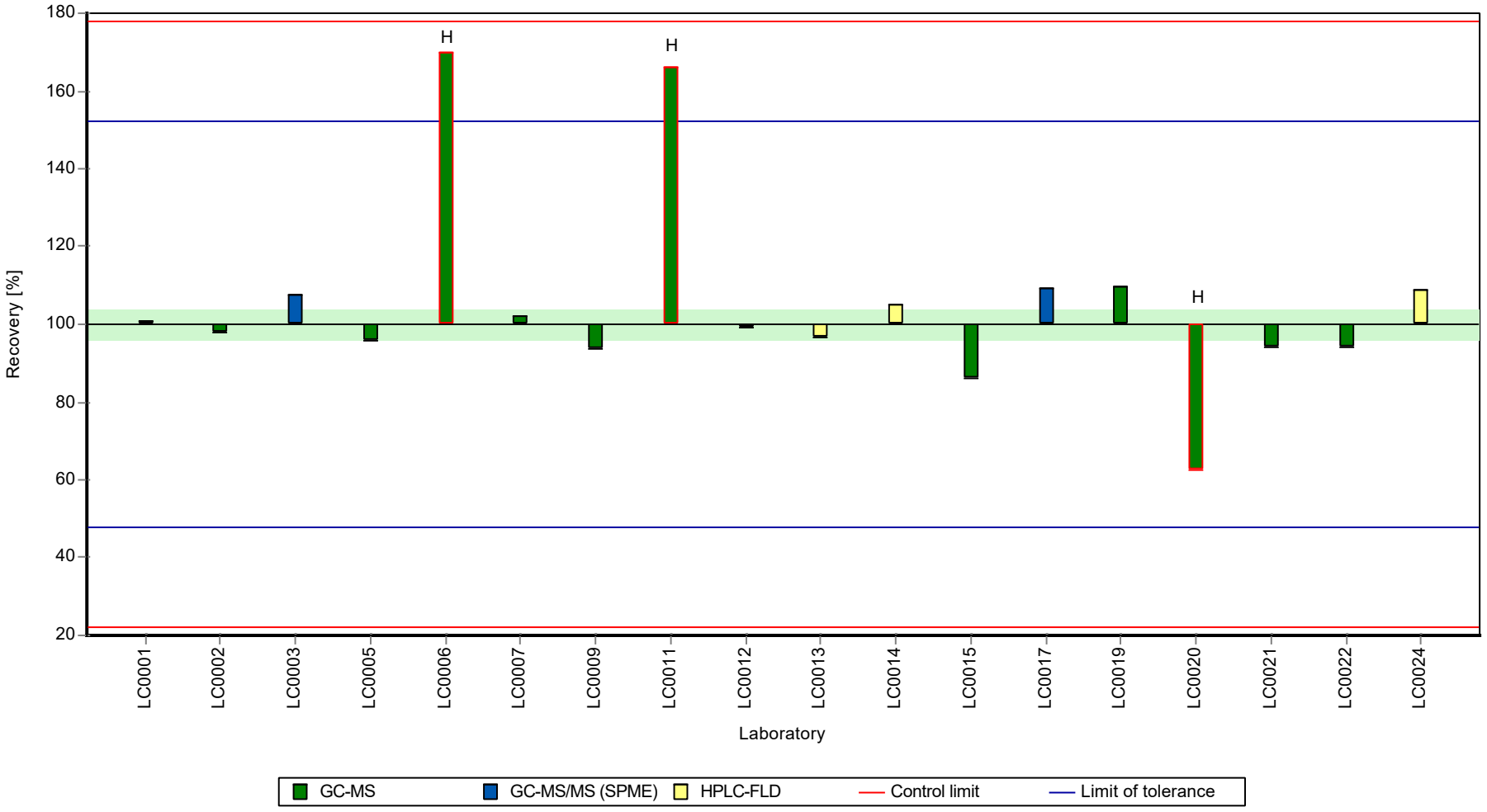
Results



Parameter oriented report Polycyclic Aromatic Hydrocarbons P25

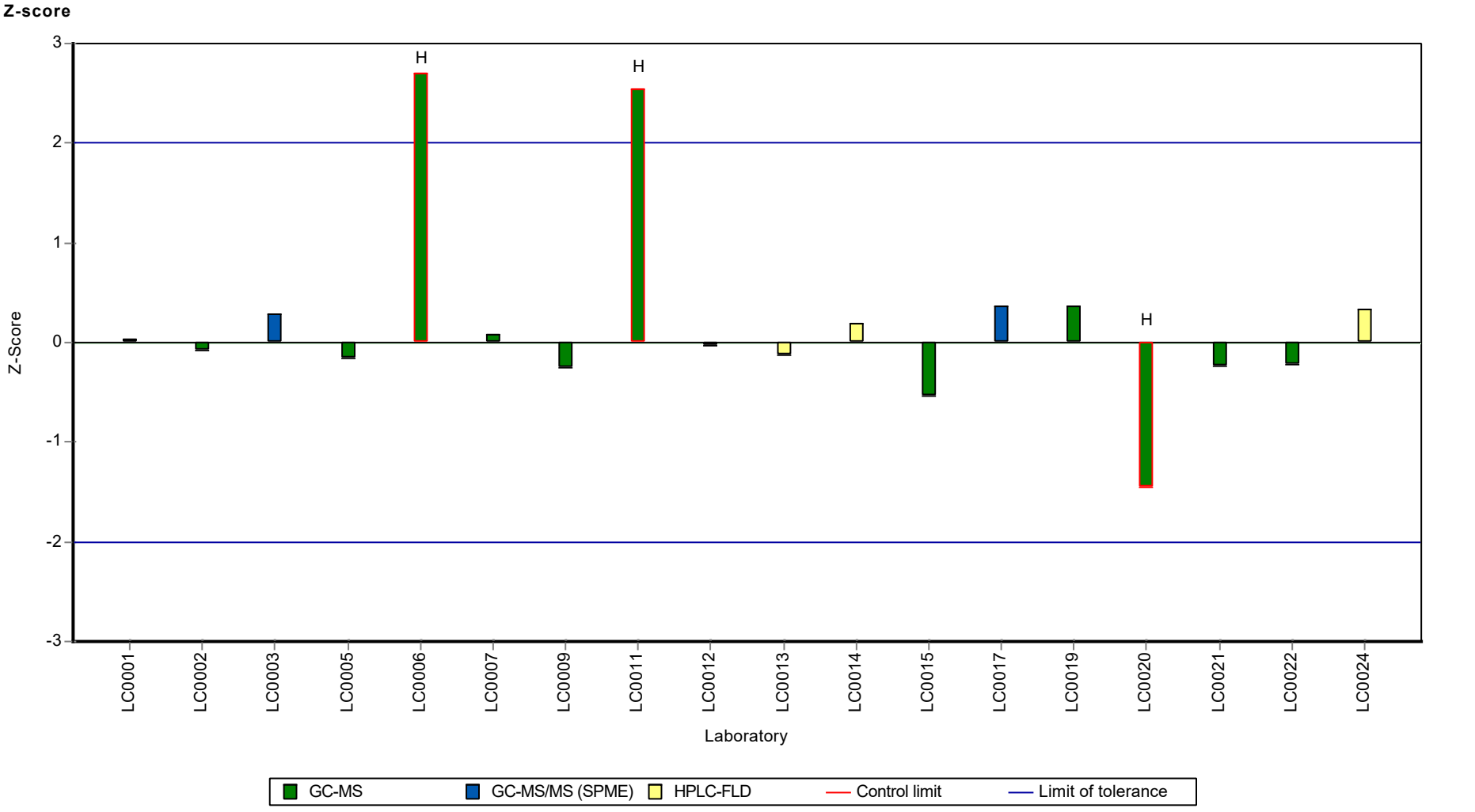
Sample: P25A, Parameter: Anthracene

Recovery rate



Parameter oriented report Polycyclic Aromatic Hydrocarbons P25

Sample: P25A, Parameter: Anthracene



Parameter oriented report

P25 B

Anthracene

Unit	ng/l
Assigned value ± U (k=2)	139 ± 7.99
Criterion	36.2 (26 %)
Minimum - Maximum	110 - 170
Control test value ± U (k=2)	163.0 ± 40.7

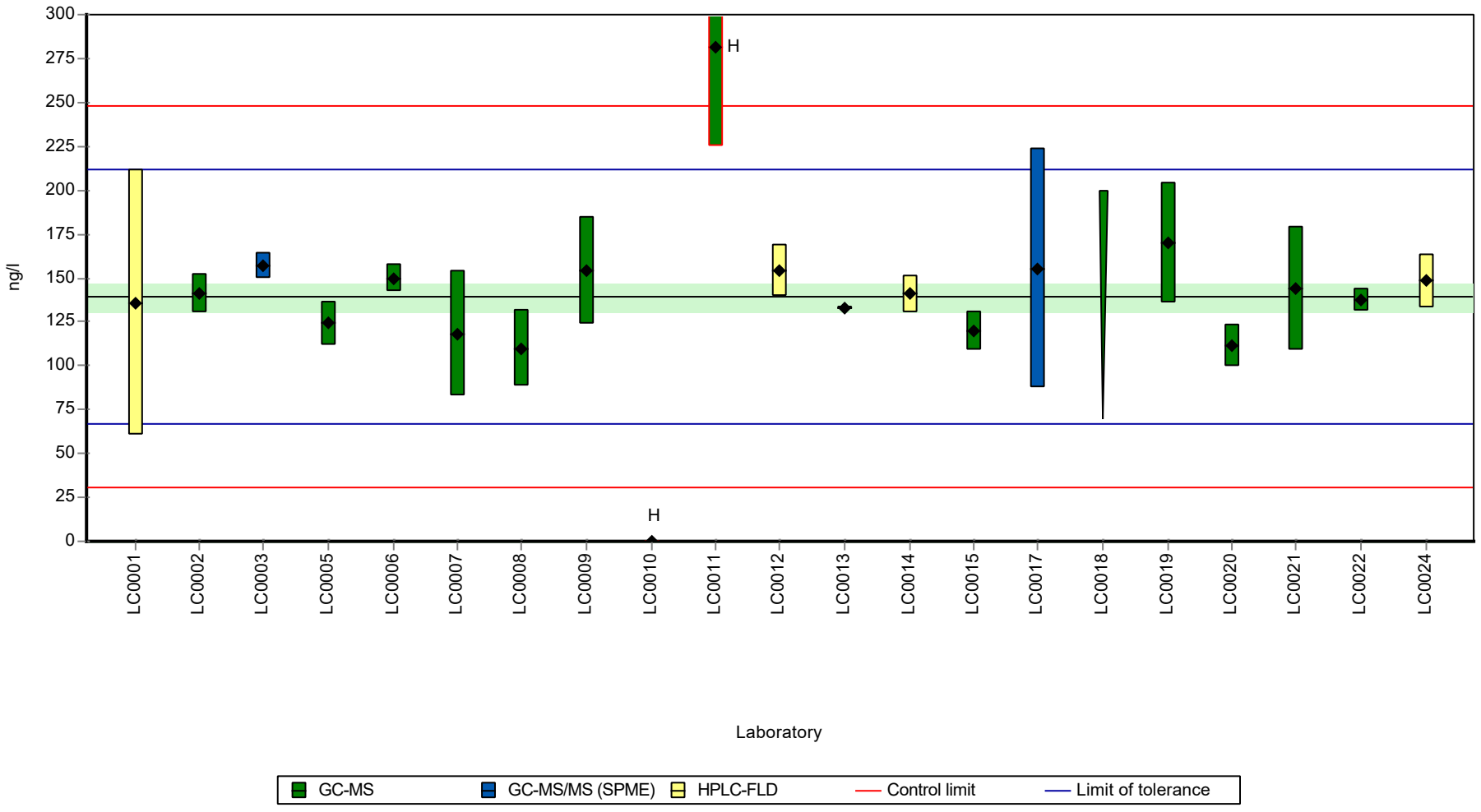
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	136	75.4	97.7	-0.09	
LC0002	141.31	11.2	102	0.06	
LC0003	157	7	113	0.49	
LC0004	-	-	-	-	
LC0005	124	12.4	89.1	-0.42	
LC0006	150	7.5	108	0.3	
LC0007	118.4	35.52	85.1	-0.57	
LC0008	110	22	79	-0.81	
LC0009	153.85	30.77	111	0.41	
LC0010	0.008	0.001	0	-3.85	H
LC0011	281	56	202	3.92	H
LC0012	154	15	111	0.41	
LC0013	133	1.17	95.6	-0.17	
LC0014	140.8	11	101	0.05	
LC0015	120.03	11.2	86.3	-0.53	
LC0016	-	-	-	-	
LC0017	155.3	68.3	112	0.45	
LC0018	< 200 (LOQ)	-	-	-	
LC0019	170	34	122	0.85	
LC0020	111.7	12.208	80.3	-0.76	
LC0021	144	35	103	0.13	
LC0022	137.2	6.67	98.6	-0.05	
LC0023	-	-	-	-	
LC0024	148.3	15.6	107	0.25	

Characteristics of parameter

	all results	w ithout outliers	Unit
Mean ± CI (99%)	139 ± 32.4	139 ± 12	ng/l
Minimum	0.008	110	ng/l
Maximum	281	170	ng/l
Standard deviation	48.3	16.9	ng/l
rel. standard deviation	34.7	12.2	%
n	20	18	-

Graphical presentation of results

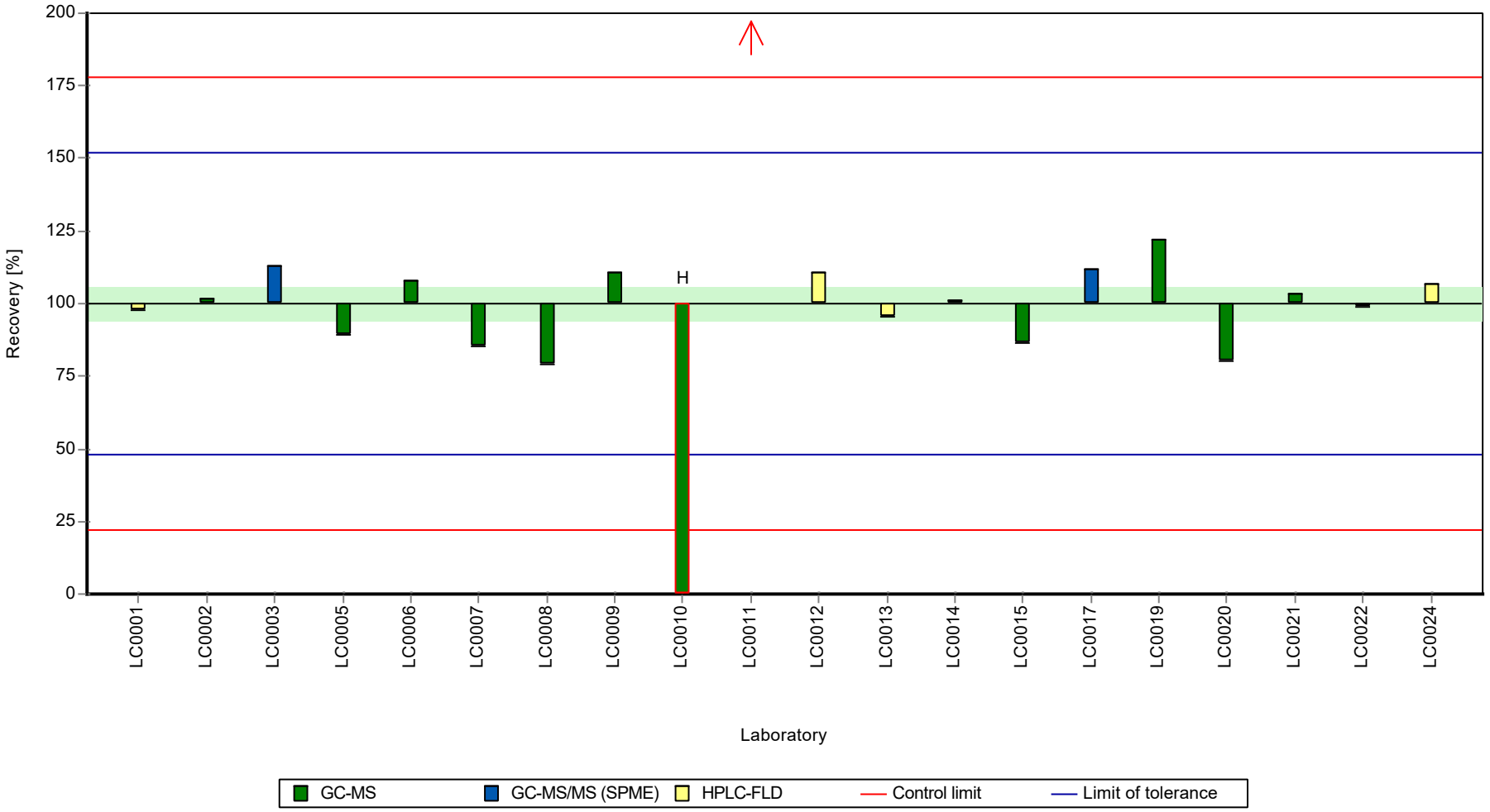
Results



Parameter oriented report Polycyclic Aromatic Hydrocarbons P25

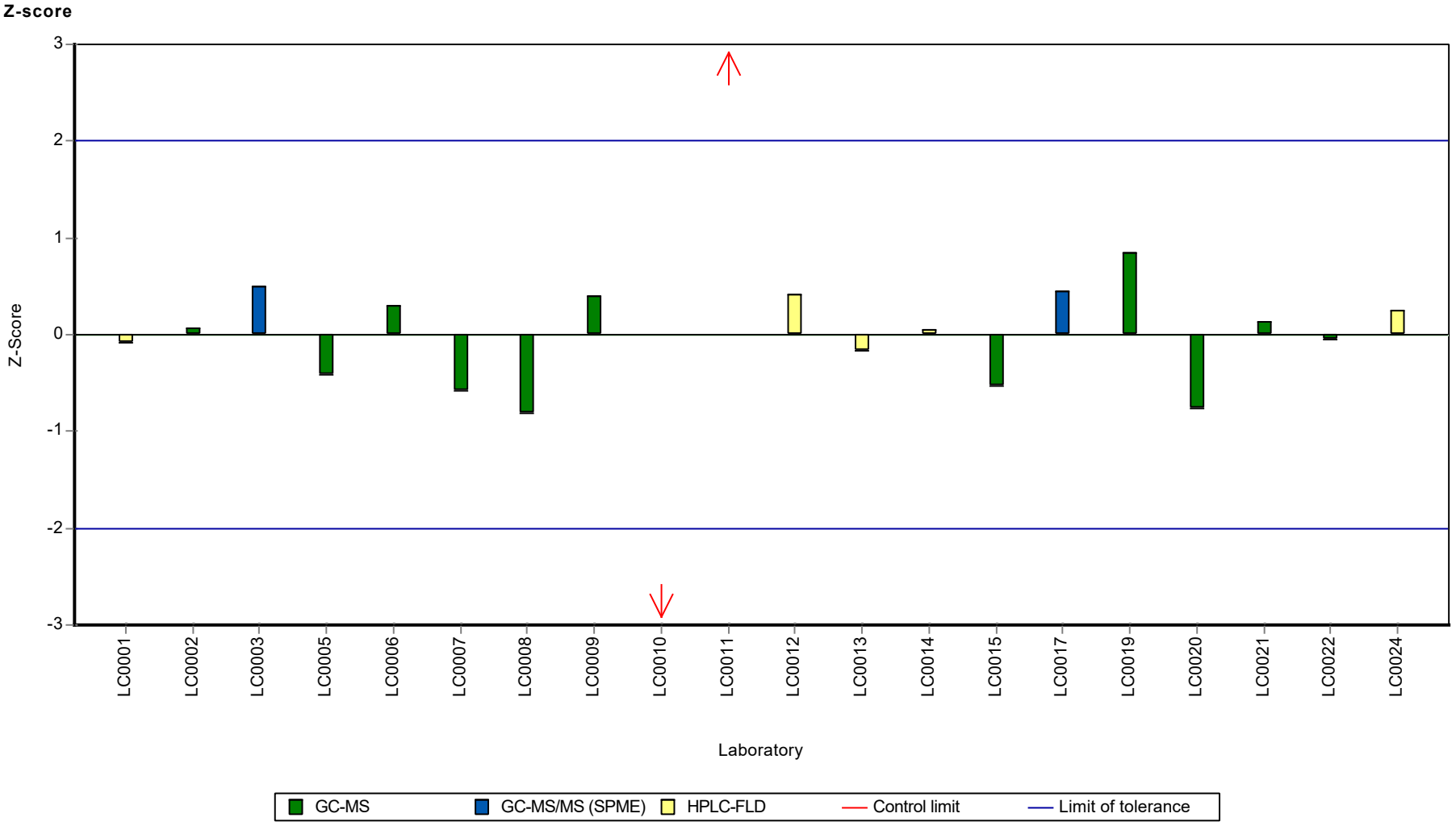
Sample: P25B, Parameter: Anthracene

Recovery rate



Parameter oriented report Polycyclic Aromatic Hydrocarbons P25

Sample: P25B, Parameter: Anthracene



Parameter oriented report

P25 A

Benzo[a]anthracene

Unit	ng/l
Assigned value ± U (k=2)	22.1 ± 2.18
Criterion	4.64 (21 %)
Minimum - Maximum	12.4 - 28.2
Control test value ± U (k=2)	28.8 ± 7.21

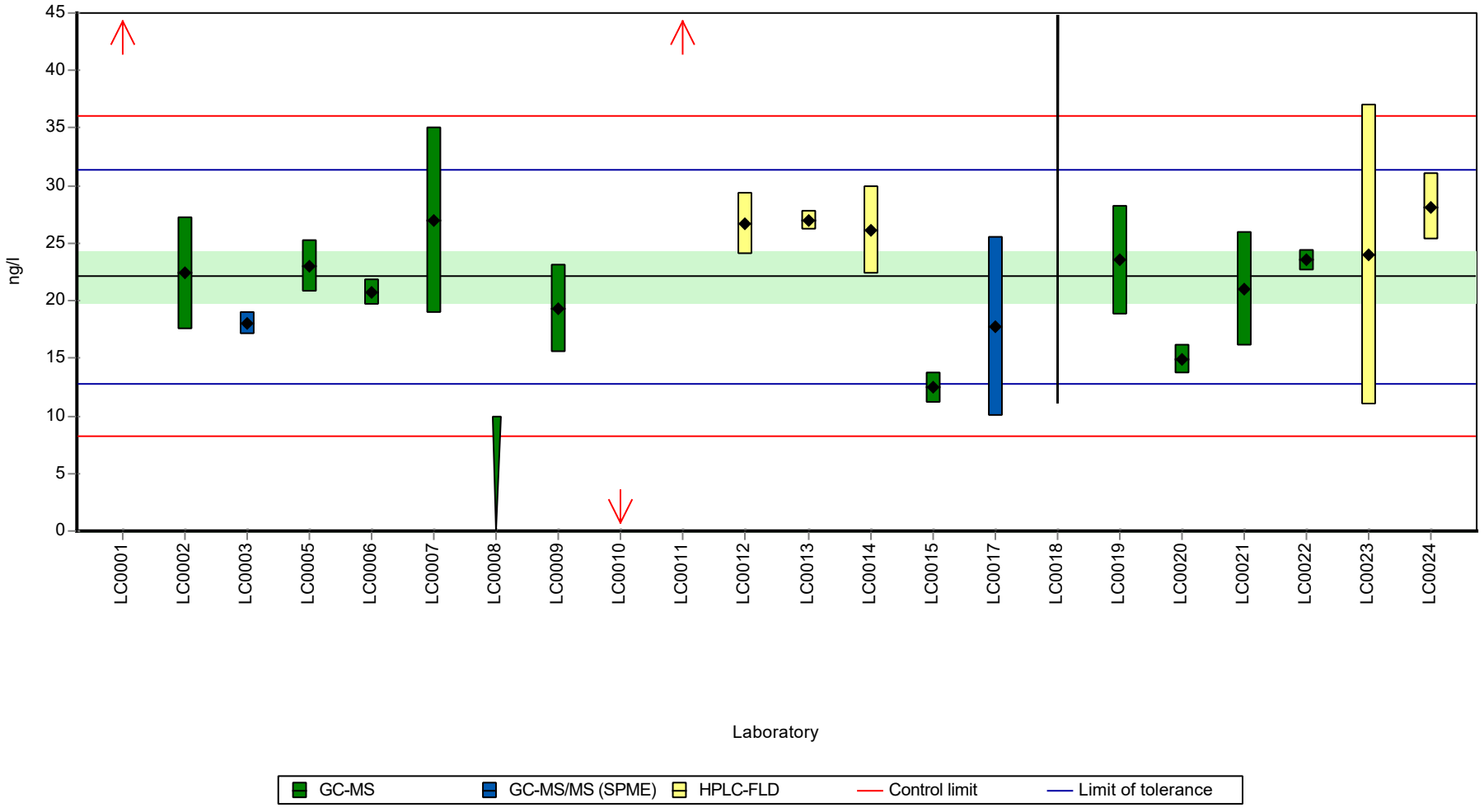
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	124	68.2	561	21.97	H
LC0002	22.36	4.9	101	0.06	
LC0003	18	1	81.5	-0.88	
LC0004	-	-	-	-	
LC0005	23	2.3	104	0.2	
LC0006	20.7	1.1	93.7	-0.3	
LC0007	27.01	8.1	122	1.06	
LC0008	< 10 (LOQ)	-	-	-	
LC0009	19.3	3.86	87.4	-0.6	
LC0010	0.008	0.001	0.0	-4.76	H
LC0011	65	13	294	9.25	H
LC0012	26.7	2.7	121	0.99	
LC0013	27	0.85	122	1.06	
LC0014	26.11	3.8	118	0.87	
LC0015	12.43	1.3	56.3	-2.08	
LC0016	-	-	-	-	
LC0017	17.78	7.82	80.5	-0.93	
LC0018	< 200 (LOQ)	-	-	-	
LC0019	23.5	4.7	106	0.31	
LC0020	14.9	1.26	67.5	-1.55	
LC0021	21	5	95.1	-0.23	
LC0022	23.5	0.9	106	0.31	
LC0023	24	13	109	0.41	
LC0024	28.16	2.96	128	1.31	

Characteristics of parameter

	all results	w ithout outliers	Unit
Mean ± CI (99%)	28.2 ± 17.1	22.1 ± 3.27	ng/l
Minimum	0.008	12.4	ng/l
Maximum	124	28.2	ng/l
Standard deviation	25.4	4.49	ng/l
rel. standard deviation	90.1	20.3	%
n	20	17	-

Graphical presentation of results

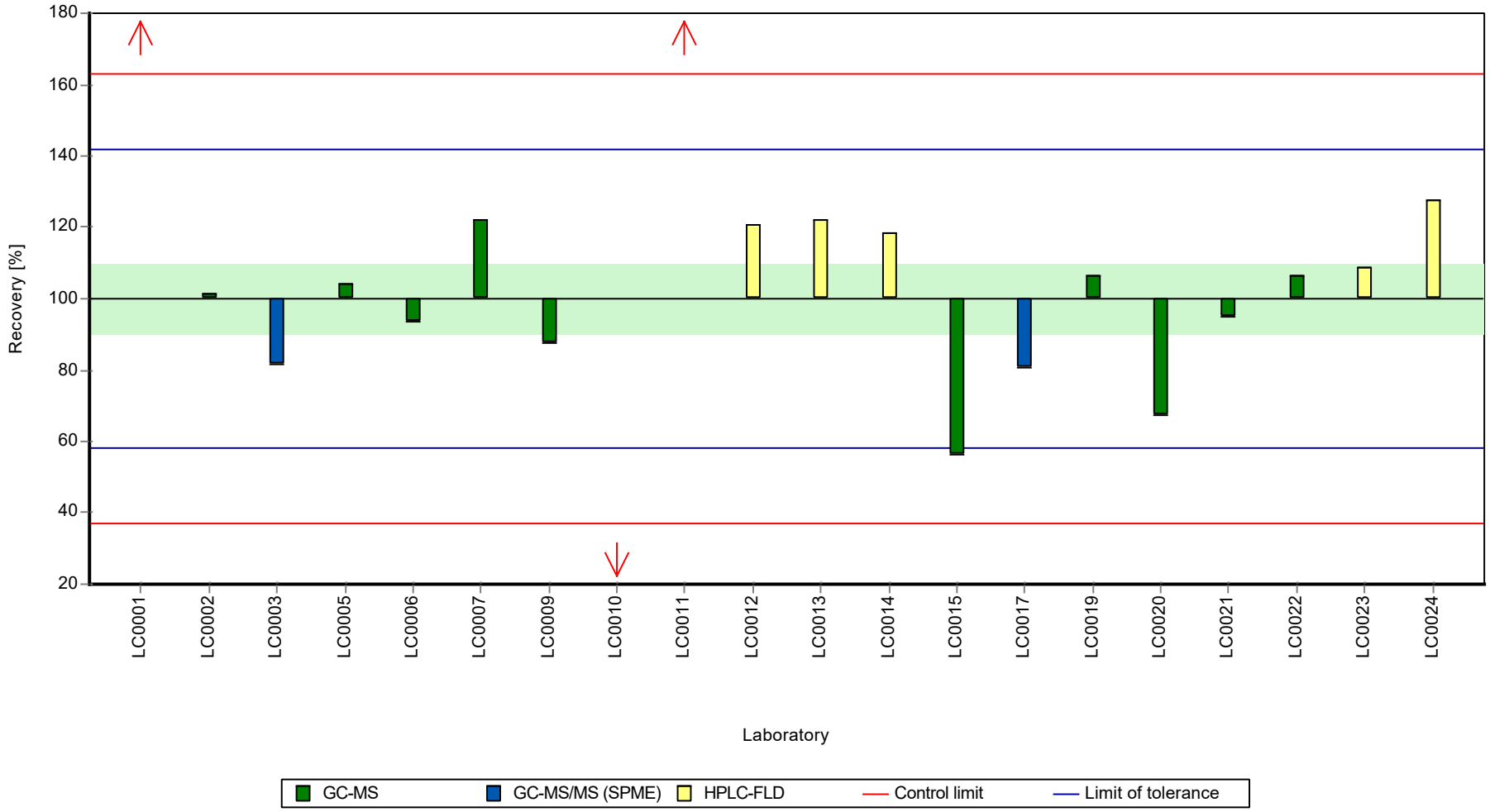
Results



Parameter oriented report Polycyclic Aromatic Hydrocarbons P25

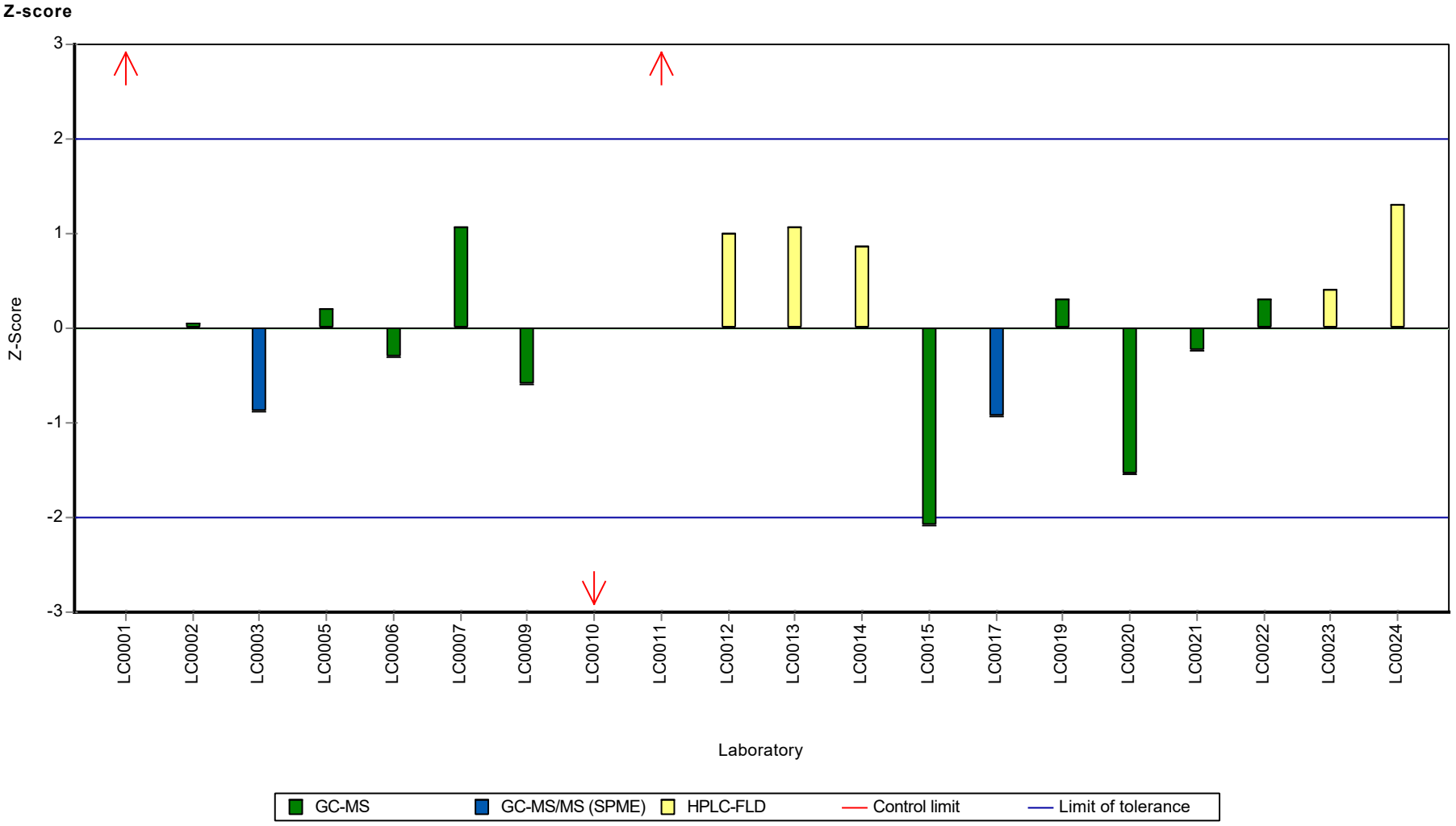
Sample: P25A, Parameter: Benzo[a]anthracene

Recovery rate



Parameter oriented report Polycyclic Aromatic Hydrocarbons P25

Sample: P25A, Parameter: Benzo[a]anthracene



Parameter oriented report

P25 B

Benzo[a]anthracene

Unit	ng/l
Assigned value ± U (k=2)	155 ± 13.7
Criterion	32.5 (21 %)
Minimum - Maximum	99.8 - 196
Control test value ± U (k=2)	204.0 ± 51.1

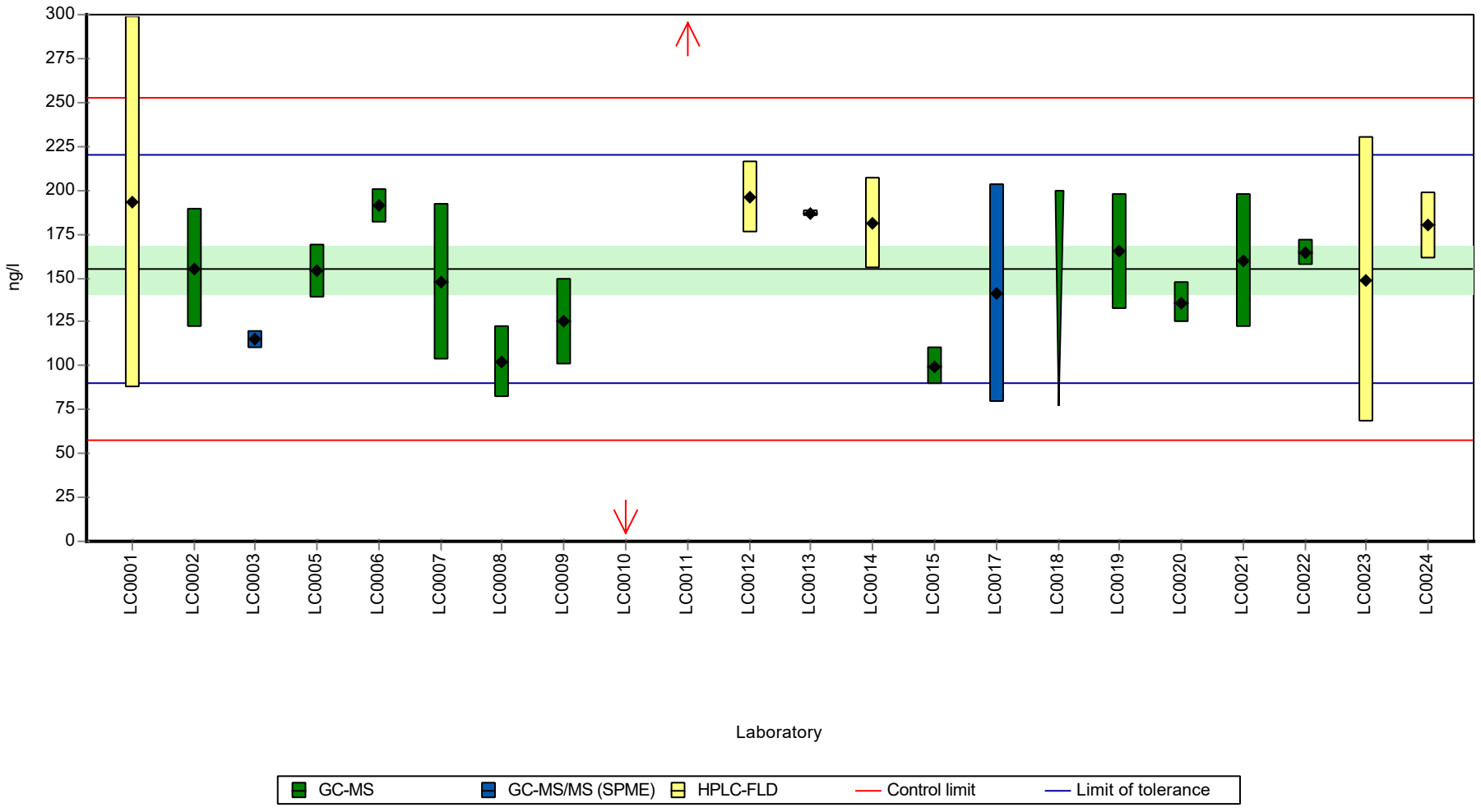
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	193	106	125	1.17	
LC0002	155.52	33.7	100	0.02	
LC0003	115	5	74.2	-1.23	
LC0004	-	-	-	-	
LC0005	154	15.4	99.4	-0.03	
LC0006	191	9.6	123	1.11	
LC0007	147.91	44.37	95.5	-0.21	
LC0008	102	20.4	65.9	-1.63	
LC0009	124.95	24.99	80.7	-0.92	
LC0010	0.011	0.001	0	-4.76	H
LC0011	487	97	314	10.21	H
LC0012	196	20	127	1.26	
LC0013	187	1.93	121	0.99	
LC0014	180.8	26	117	0.8	
LC0015	99.8	10.5	64.4	-1.69	
LC0016	-	-	-	-	
LC0017	141.5	62.3	91.4	-0.41	
LC0018	< 200 (LOQ)	-	-	-	
LC0019	165	33	107	0.31	
LC0020	135.8	11.485	87.7	-0.59	
LC0021	160	38	103	0.16	
LC0022	164.6	7.47	106	0.3	
LC0023	149	81	96.2	-0.18	
LC0024	180	18.9	116	0.77	

Characteristics of parameter

	all results	w ithout outliers	Unit
Mean ± CI (99%)	163 ± 56.5	155 ± 20.5	ng/l
Minimum	0.011	99.8	ng/l
Maximum	487	196	ng/l
Standard deviation	86.2	29.8	ng/l
rel. standard deviation	52.8	19.2	%
n	21	19	-

Graphical presentation of results

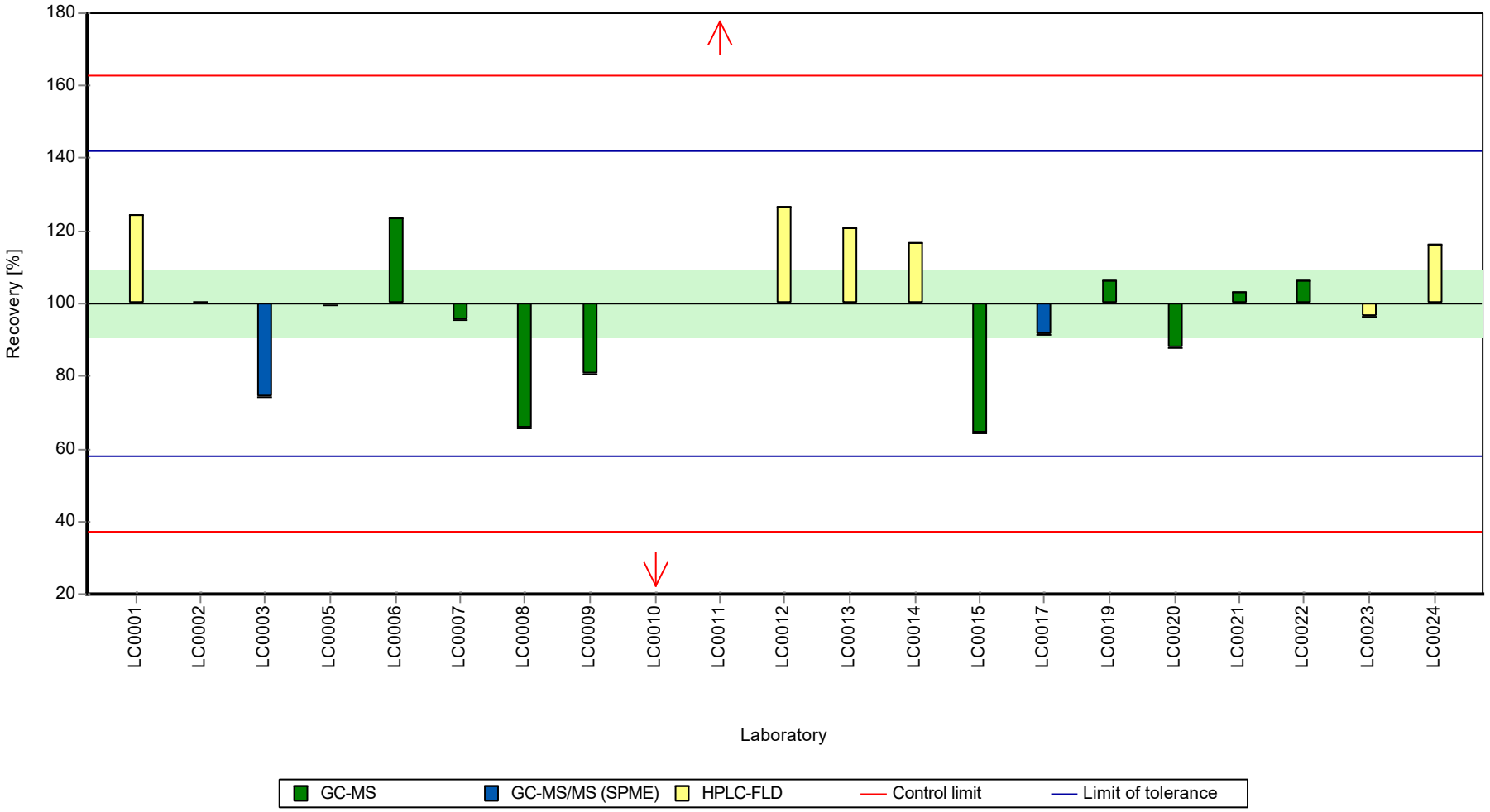
Results



Parameter oriented report Polycyclic Aromatic Hydrocarbons P25

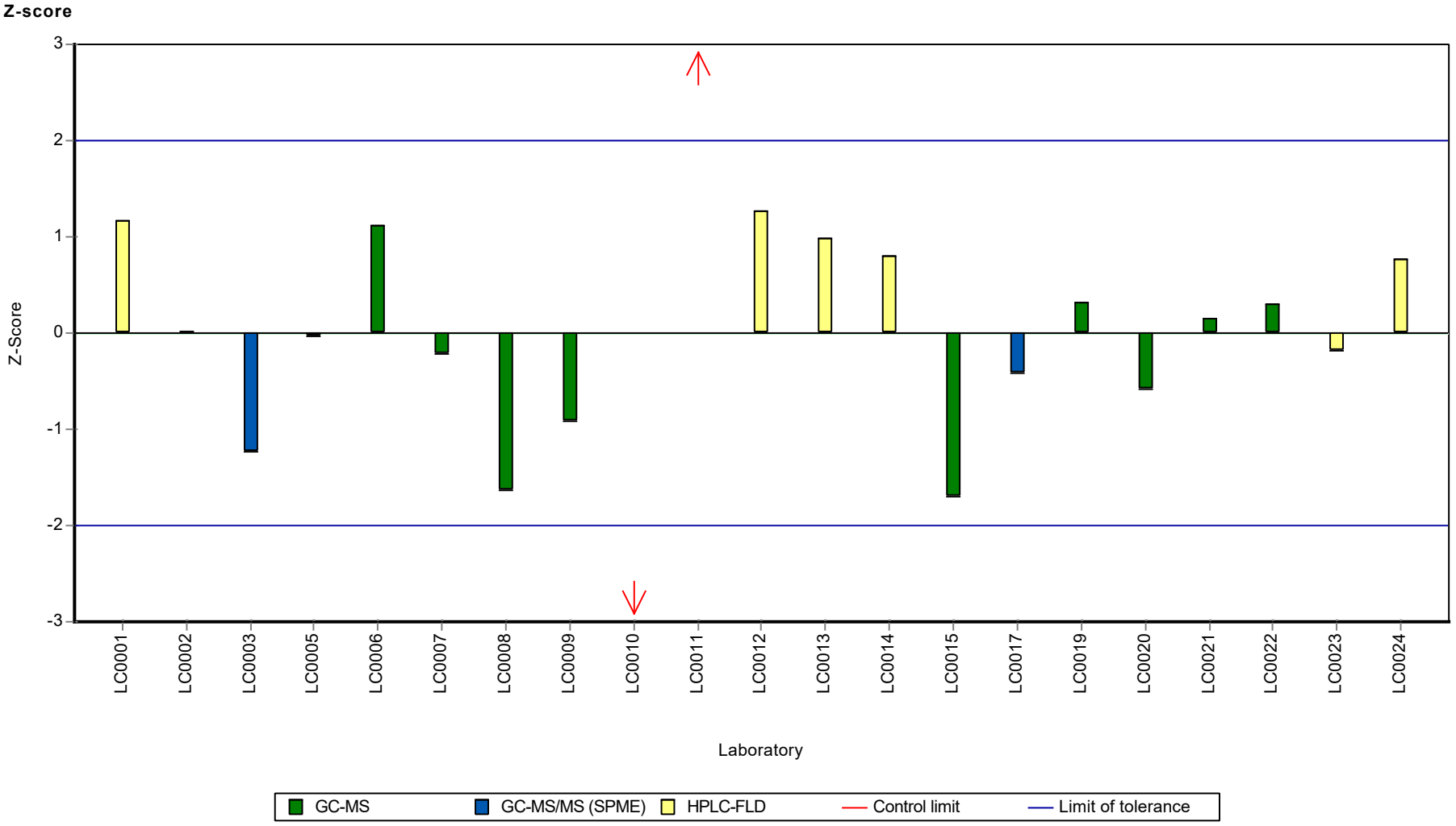
Sample: P25B, Parameter: Benzo[a]anthracene

Recovery rate



Parameter oriented report Polycyclic Aromatic Hydrocarbons P25

Sample: P25B, Parameter: Benzo[a]anthracene



Parameter oriented report

P25 A

Benzo[a]pyrene

Unit	ng/l
Assigned value ± U (k=2)	15.6 ± 3.07
Criterion	5.3 (34 %)
Minimum - Maximum	0.012 - 26.3
Control test value ± U (k=2)	28.4 ± 9.95

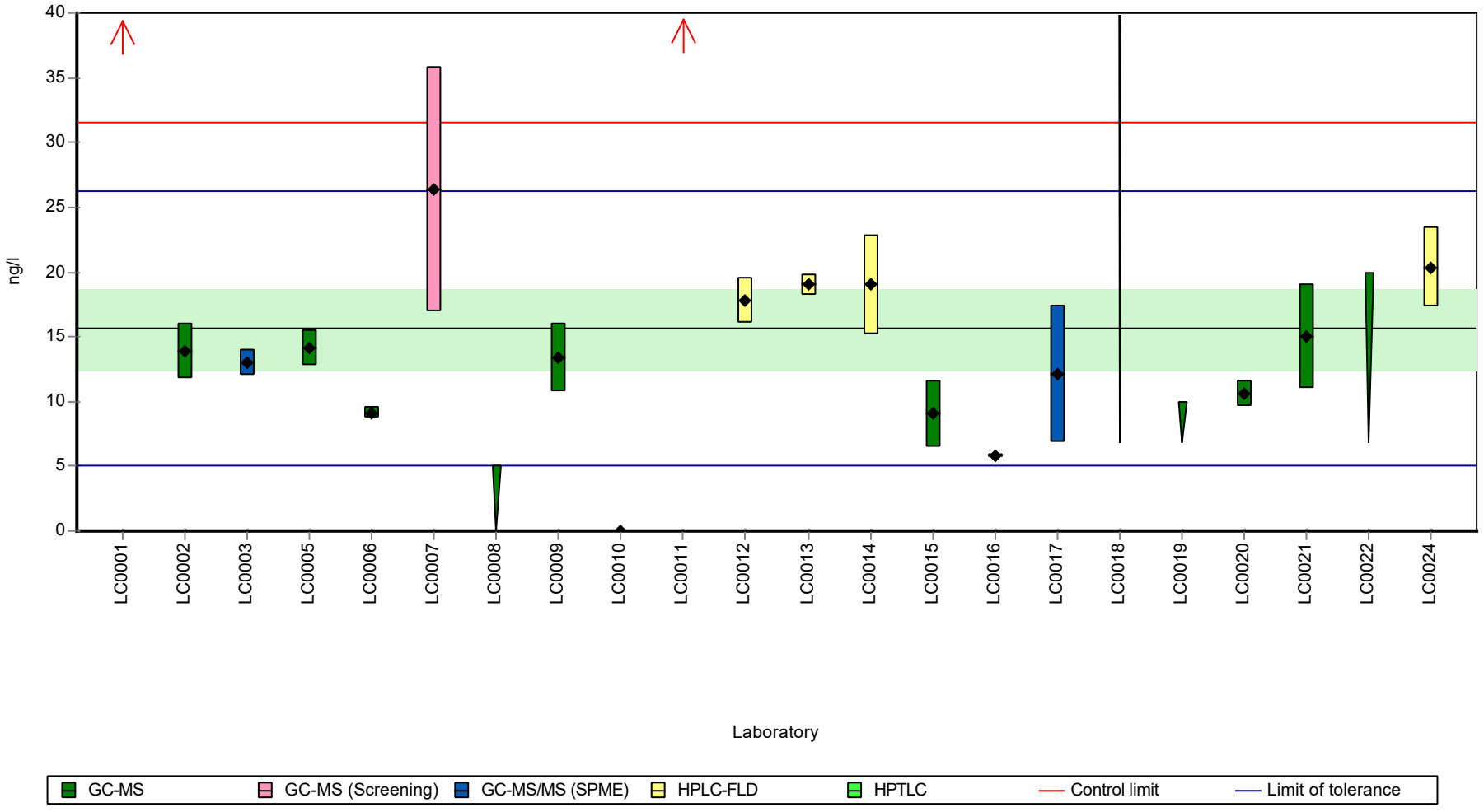
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	110	70.2	706	17.82	H
LC0002	13.87	2.1	89	-0.32	
LC0003	13	1	83.4	-0.49	
LC0004	-	-	-	-	
LC0005	14.1	1.41	90.5	-0.28	
LC0006	9.11	0.46	58.4	-1.22	
LC0007	26.34	9.48	169	2.03	
LC0008	< 5 (LOQ)	-	-	-	
LC0009	13.35	2.67	85.7	-0.42	
LC0010	0.012	0.002	0.1	-2.94	
LC0011	43.5	8.7	279	5.27	H
LC0012	17.8	1.8	114	0.42	
LC0013	19	0.79	122	0.64	
LC0014	19	3.8	122	0.64	
LC0015	9.06	2.6	58.1	-1.23	
LC0016	5.8	0.11	37.2	-1.85	
LC0017	12.13	5.34	77.8	-0.65	
LC0018	< 200 (LOQ)	-	-	-	
LC0019	< 10 (LOQ)	-	-	-	
LC0020	10.63	1.001	68.2	-0.94	
LC0021	15	4	96.2	-0.11	
LC0022	< 20 (LOQ)	-	-	-	
LC0023	-	-	-	-	
LC0024	20.37	3.06	131	0.9	

Characteristics of parameter

	all results	w ithout outliers	Unit
Mean ± CI (99%)	20.7 ± 17	13.7 ± 4.68	ng/l
Minimum	0.012	0.012	ng/l
Maximum	110	26.3	ng/l
Standard deviation	24.1	6.24	ng/l
rel. standard deviation	117	45.7	%
n	18	16	-

Graphical presentation of results

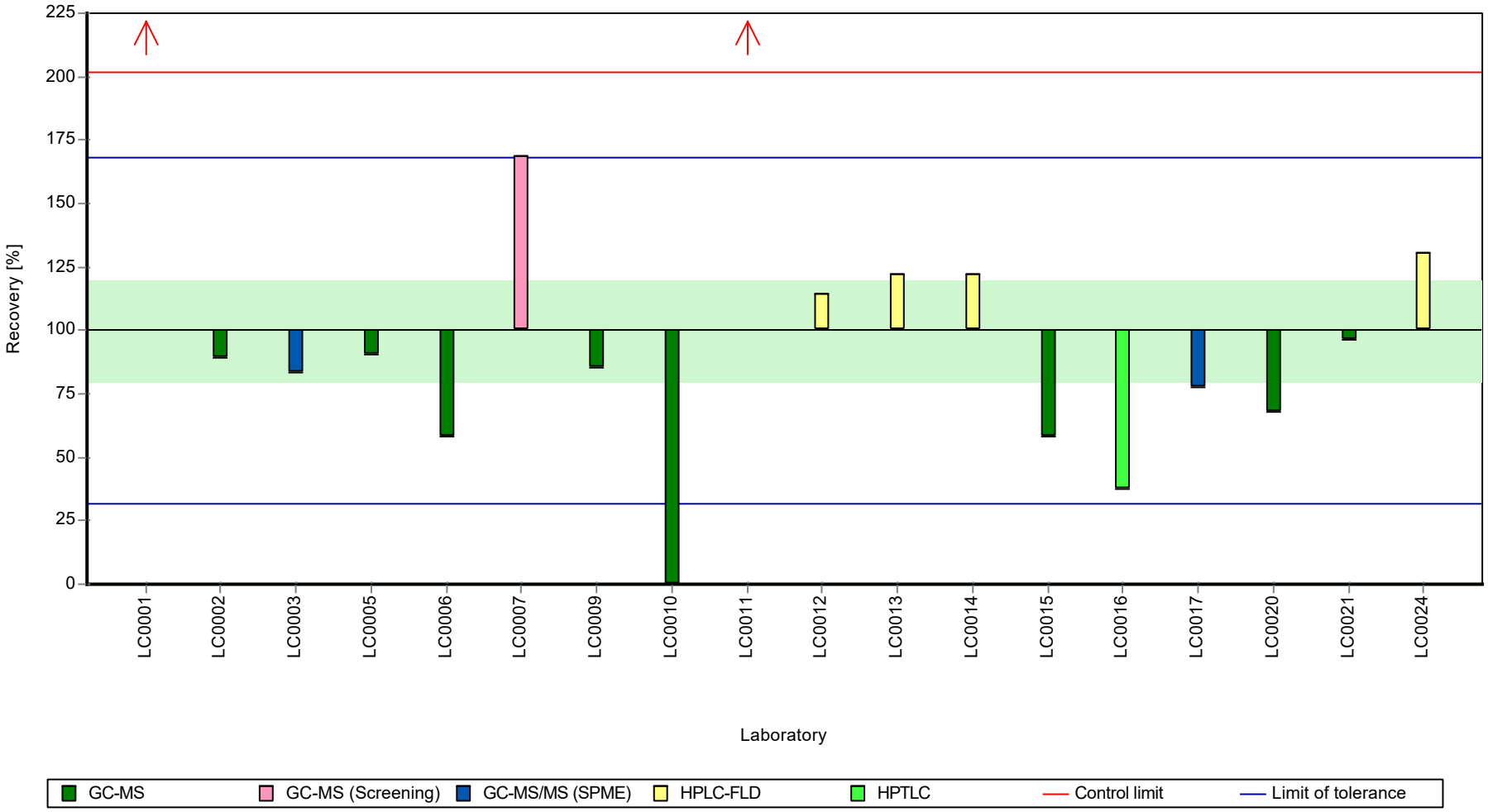
Results



Parameter oriented report Polycyclic Aromatic Hydrocarbons P25

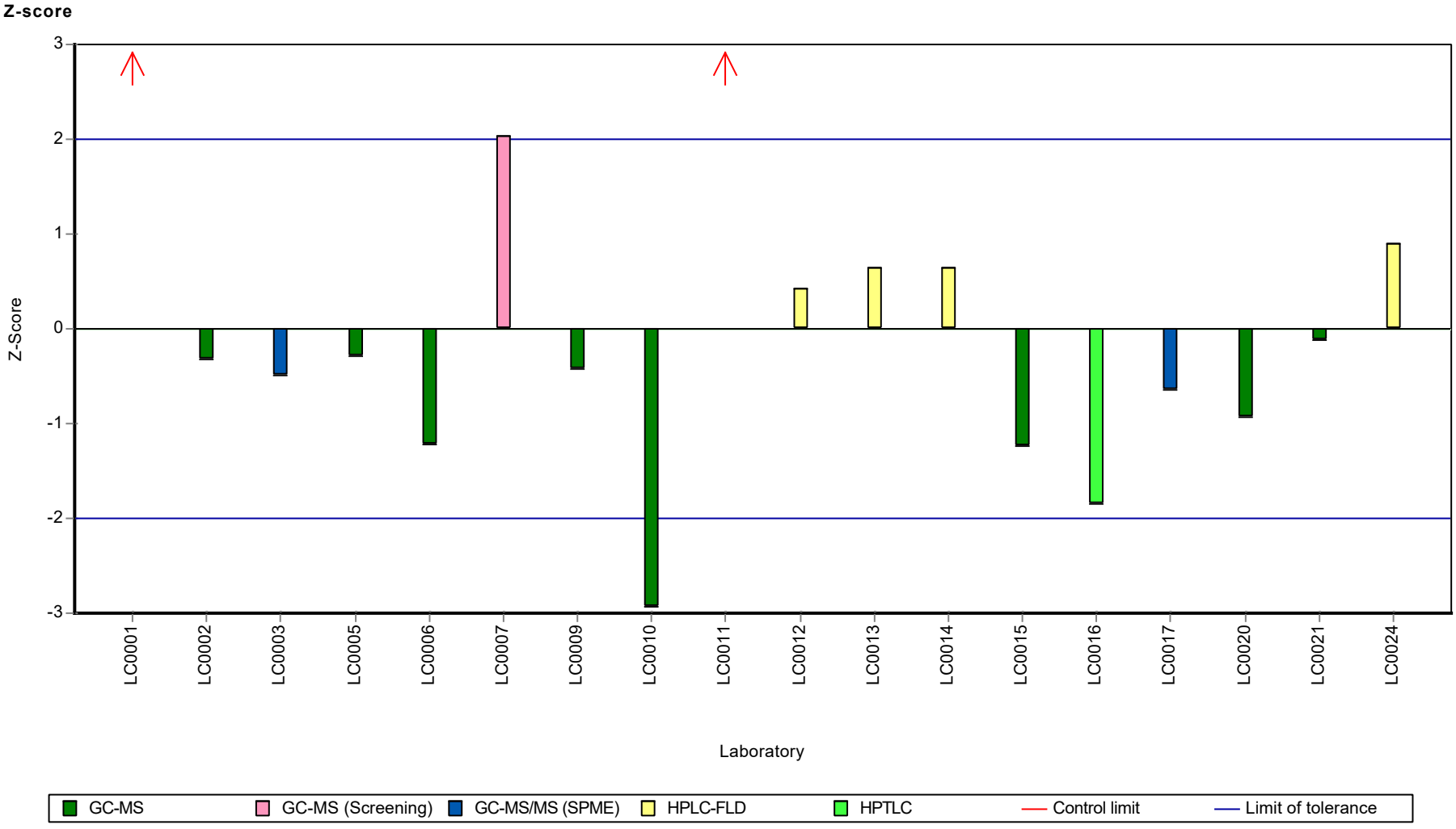
Sample: P25A, Parameter: Benzo[a]pyrene

Recovery rate



Parameter oriented report Polycyclic Aromatic Hydrocarbons P25

Sample: P25A, Parameter: Benzo[a]pyrene



Parameter oriented report

P25 B

Benzo[a]pyrene

Unit	ng/l
Assigned value ± U (k=2)	128 ± 12.2
Criterion	30.8 (24 %)
Minimum - Maximum	86.4 - 157
Control test value ± U (k=2)	205.0 ± 71.9

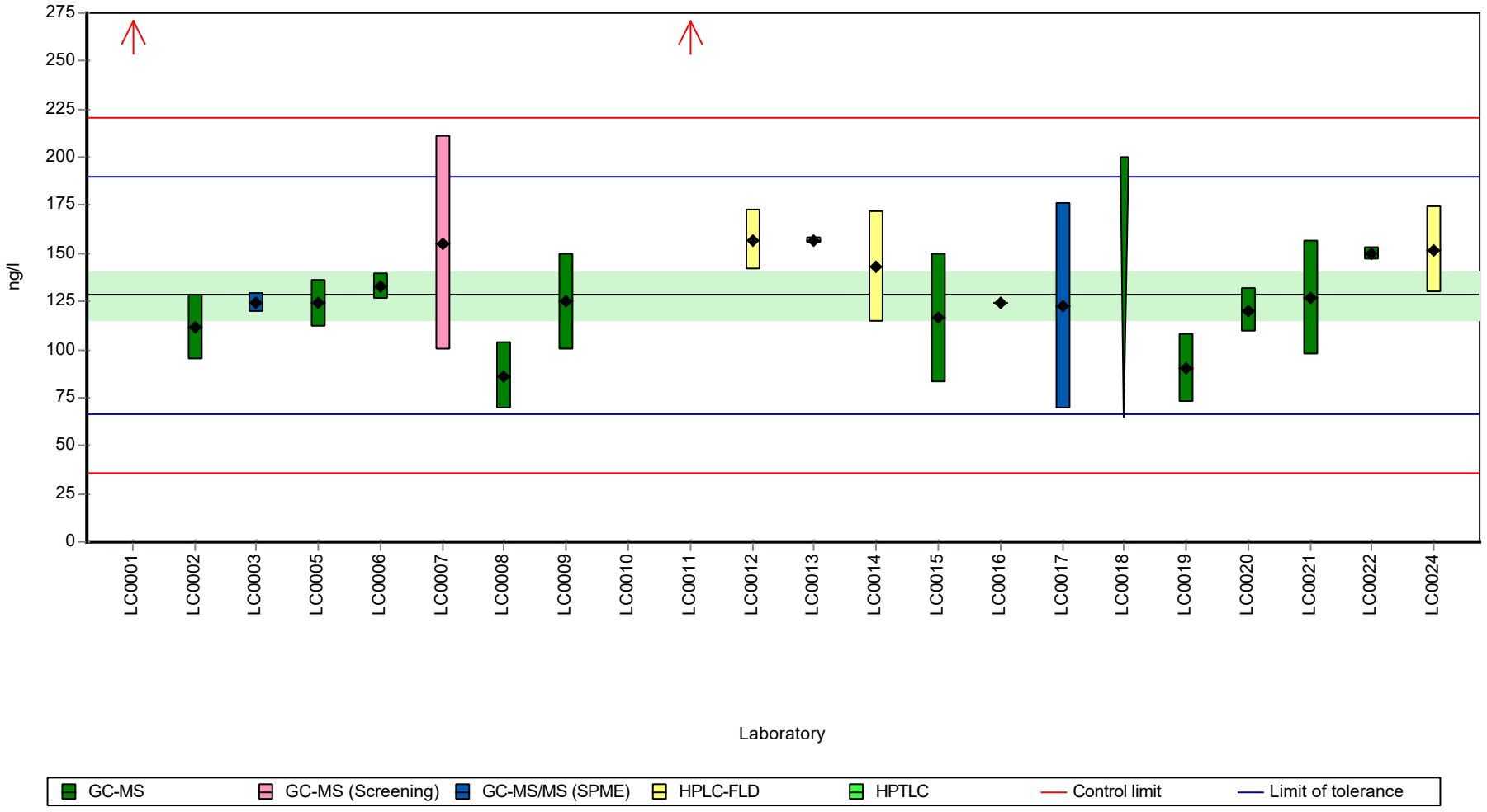
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	299	191	233	5.55	H
LC0002	111.42	16.8	86.9	-0.54	
LC0003	124	5	96.7	-0.14	
LC0004	-	-	-	-	
LC0005	124	12.4	96.7	-0.14	
LC0006	133	6.7	104	0.16	
LC0007	155.02	55.81	121	0.87	
LC0008	86.4	17.3	67.4	-1.36	
LC0009	124.95	24.99	97.5	-0.11	
LC0010	< 0.003 (LOQ)	-	-	-	FN
LC0011	412	82	321	9.23	H
LC0012	157	16	122	0.94	
LC0013	157	1.67	122	0.94	
LC0014	143.3	29	112	0.49	
LC0015	116.25	33.7	90.7	-0.39	
LC0016	124.1	0.57	96.8	-0.13	
LC0017	122.7	53.9	95.7	-0.18	
LC0018	< 200 (LOQ)	-	-	-	
LC0019	90.5	18	70.6	-1.22	
LC0020	120.3	11.334	93.9	-0.26	
LC0021	127	30	99.1	-0.04	
LC0022	149.6	3.47	117	0.7	
LC0023	-	-	-	-	
LC0024	151.8	22.8	118	0.77	

Characteristics of parameter

	all results	w ithout outliers	Unit
Mean ± Cl (99%)	151 ± 50.2	129 ± 14.7	ng/l
Minimum	86.4	86.4	ng/l
Maximum	412	157	ng/l
Standard deviation	74.8	20.8	ng/l
rel. standard deviation	49.4	16.2	%
n	20	18	-

Graphical presentation of results

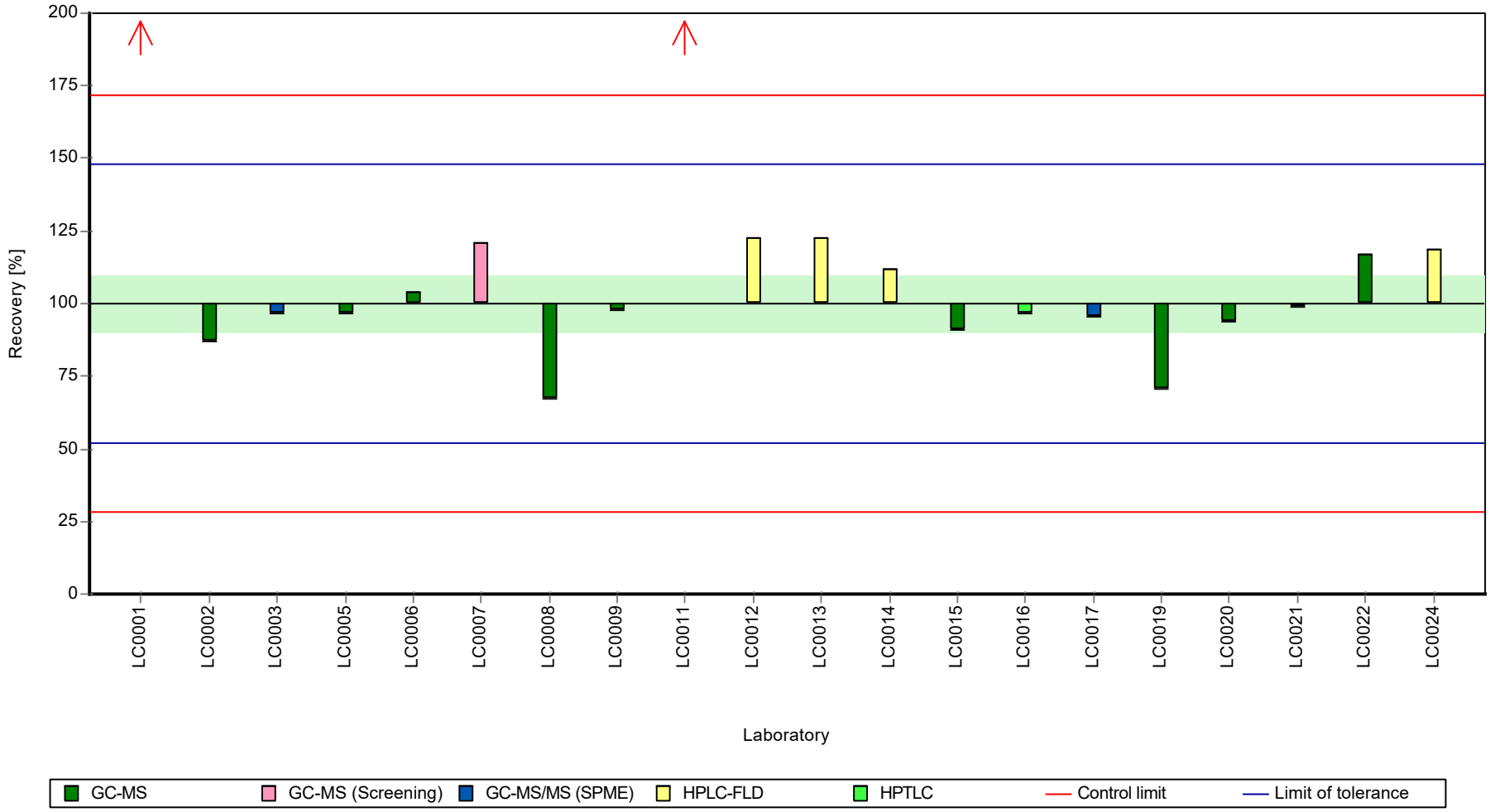
Results



Parameter oriented report Polycyclic Aromatic Hydrocarbons P25

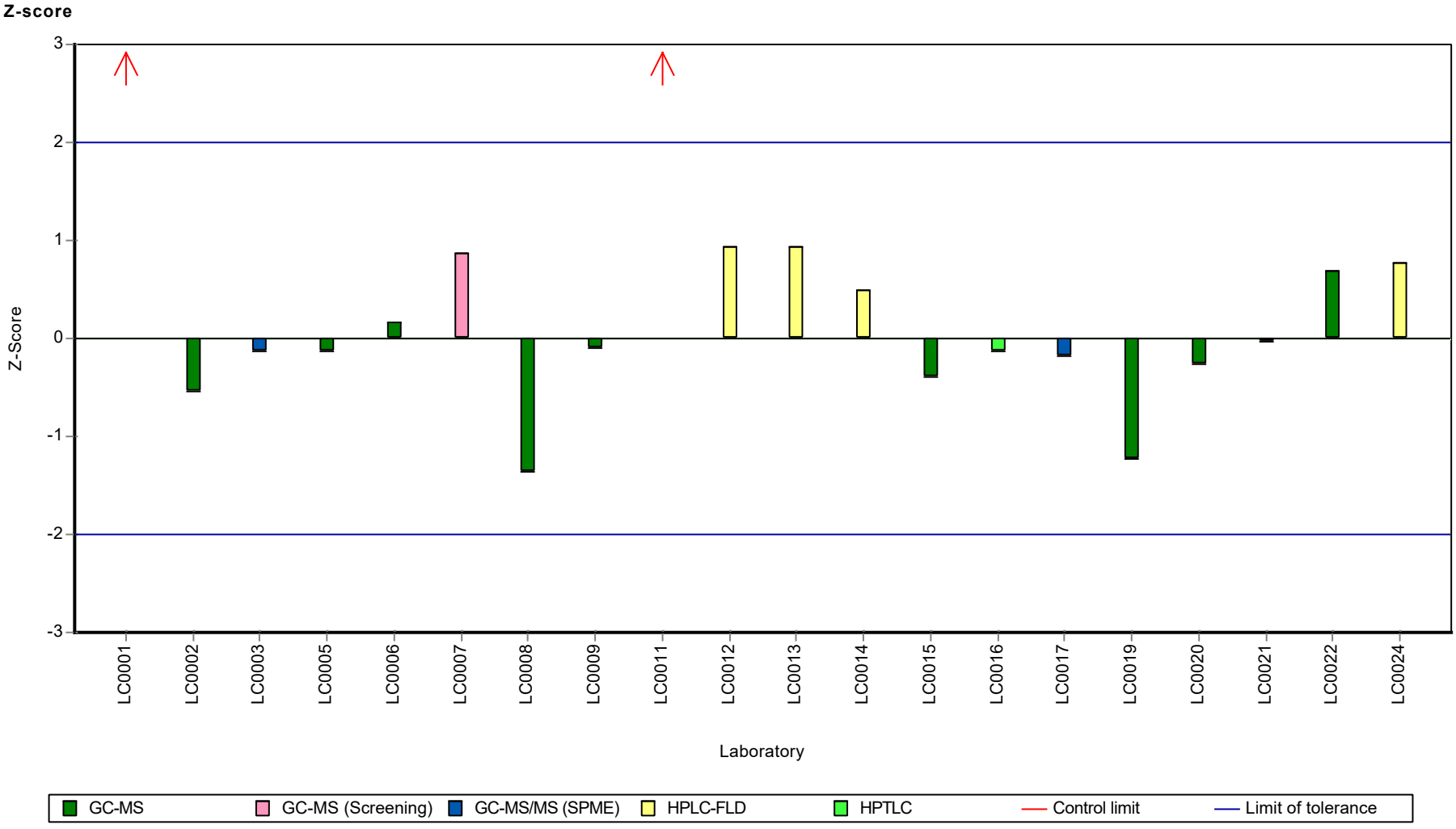
Sample: P25B, Parameter: Benzo[a]pyrene

Recovery rate



Parameter oriented report Polycyclic Aromatic Hydrocarbons P25

Sample: P25B, Parameter: Benzo[a]pyrene



Parameter oriented report

P25 A

Benzo[b]fluoranthene

Unit	ng/l
Assigned value ± U (k=2)	22.1 ± 2.26
Criterion	3.76 (17 %)
Minimum - Maximum	12.9 - 31.4
Control test value ± U (k=2)	27.7 ± 6.92

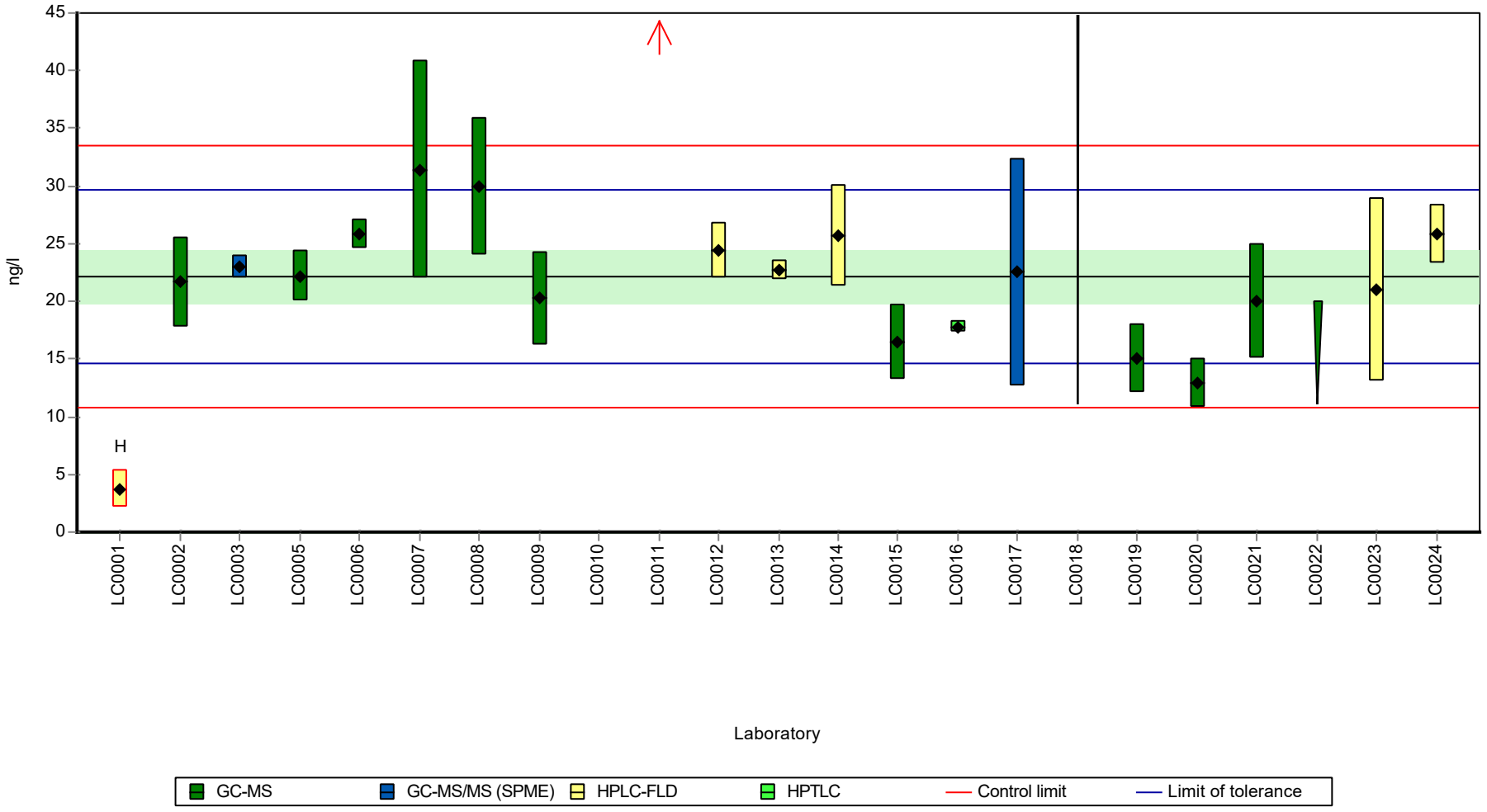
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	3.75	1.65	16.9	-4.89	H
LC0002	21.68	3.9	97.9	-0.12	
LC0003	23	1	104	0.23	
LC0004	-	-	-	-	
LC0005	22.2	2.22	100	0.02	
LC0006	25.8	1.3	117	0.97	
LC0007	31.43	9.43	142	2.47	
LC0008	29.9	5.98	135	2.06	
LC0009	20.23	4.05	91.4	-0.51	
LC0010	< 0.003 (LOQ)	-	-	-	FN
LC0011	62.5	12.5	282	10.72	H
LC0012	24.4	2.4	110	0.6	
LC0013	22.7	0.86	103	0.15	
LC0014	25.71	4.4	116	0.95	
LC0015	16.46	3.3	74.3	-1.51	
LC0016	17.8	0.5	80.4	-1.15	
LC0017	22.51	9.9	102	0.1	
LC0018	< 200 (LOQ)	-	-	-	
LC0019	15	3	67.7	-1.9	
LC0020	12.92	2.168	58.4	-2.45	
LC0021	20	5	90.3	-0.57	
LC0022	< 20 (LOQ)	-	-	-	
LC0023	21	8	94.8	-0.3	
LC0024	25.81	2.58	117	0.97	

Characteristics of parameter

	all results	w ithout outliers	Unit
Mean ± CI (99%)	23.2 ± 7.43	22.1 ± 3.38	ng/l
Minimum	3.75	12.9	ng/l
Maximum	62.5	31.4	ng/l
Standard deviation	11.1	4.79	ng/l
rel. standard deviation	47.7	21.6	%
n	20	18	-

Graphical presentation of results

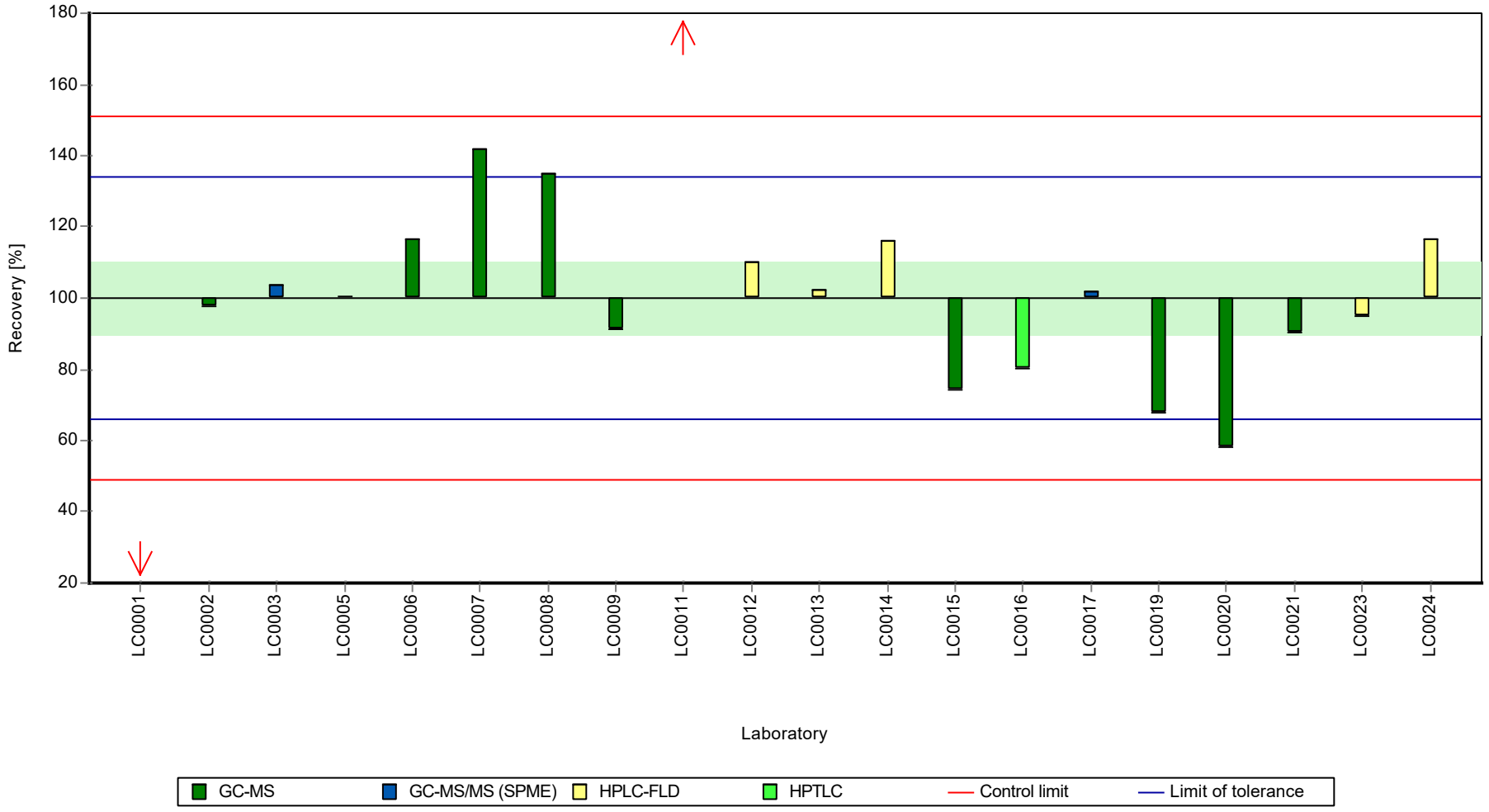
Results



Parameter oriented report Polycyclic Aromatic Hydrocarbons P25

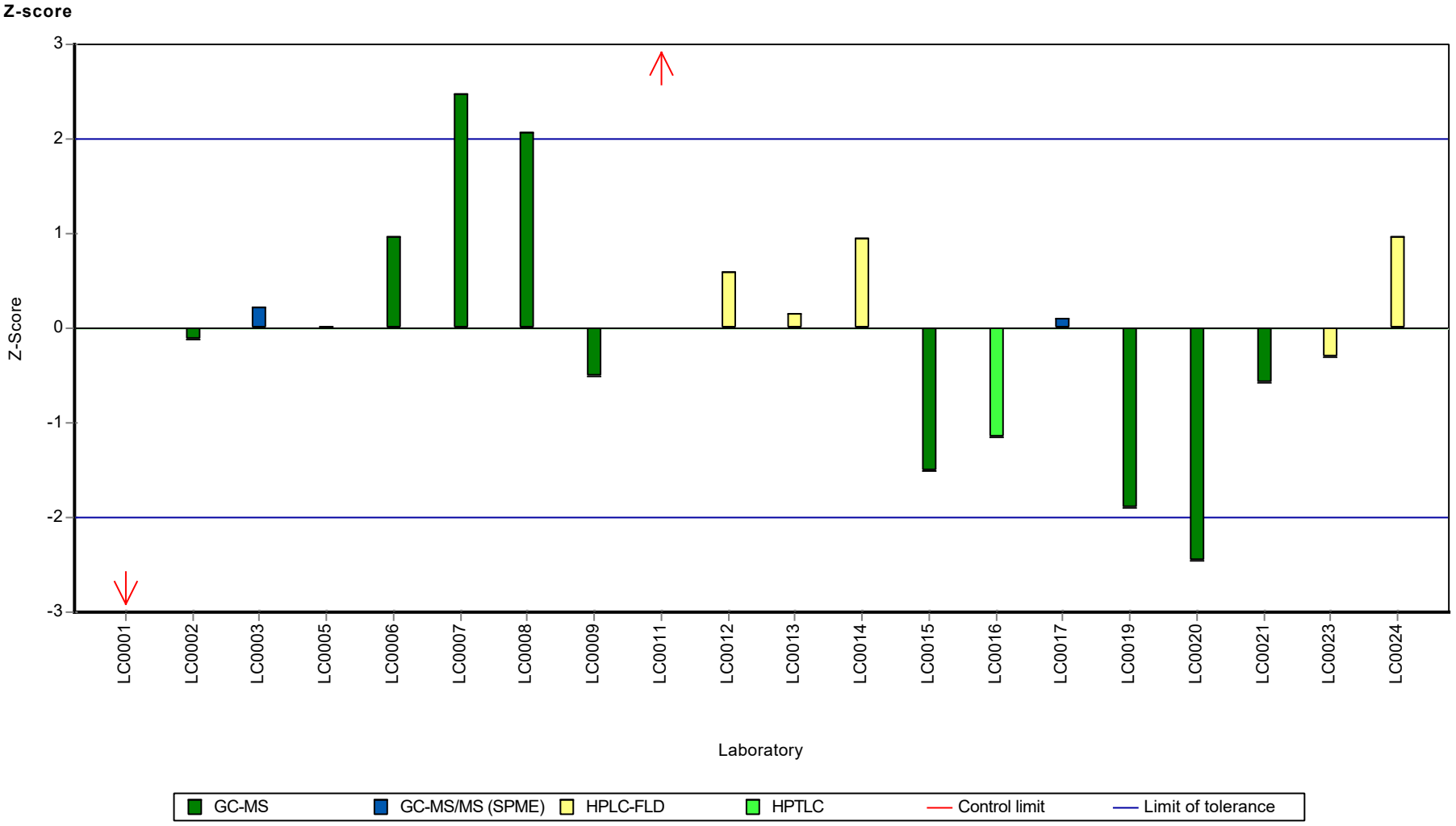
Sample: P25A, Parameter: Benzo[b]fluoranthene

Recovery rate



Parameter oriented report Polycyclic Aromatic Hydrocarbons P25

Sample: P25A, Parameter: Benzo[b]fluoranthene



Parameter oriented report

P25 B

Benzo[b]fluoranthene

Unit	ng/l
Assigned value ± U (k=2)	175 ± 16.2
Criterion	29.8 (17 %)
Minimum - Maximum	104 - 218
Control test value ± U (k=2)	241.0 ± 60.3

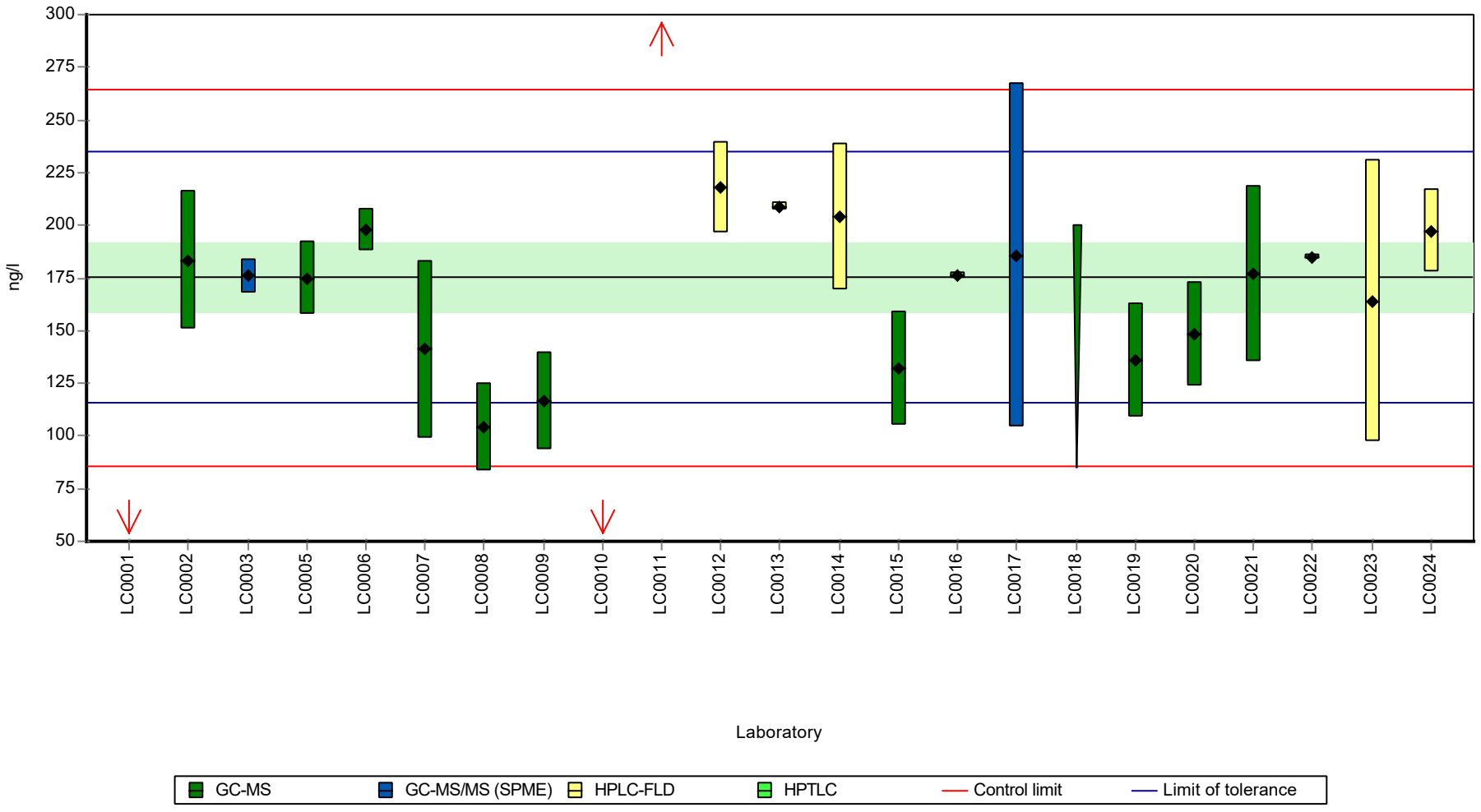
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	1.5	0.659	0.9	-5.83	H
LC0002	183.48	33.2	105	0.28	
LC0003	176	8	100	0.02	
LC0004	-	-	-	-	
LC0005	175	17.5	99.8	-0.01	
LC0006	198	9.9	113	0.76	
LC0007	141.11	42.33	80.5	-1.15	
LC0008	104	20.8	59.3	-2.39	
LC0009	116.45	23.29	66.4	-1.97	
LC0010	0.013	0.001	0	-5.88	H
LC0011	566	113	323	13.11	H
LC0012	218	22	124	1.43	
LC0013	209	2.02	119	1.13	
LC0014	204.1	35	116	0.97	
LC0015	132.08	26.8	75.4	-1.45	
LC0016	176	1.6	100	0.02	
LC0017	185.8	81.8	106	0.35	
LC0018	< 200 (LOQ)	-	-	-	
LC0019	136	27	77.6	-1.32	
LC0020	148.1	24.851	84.5	-0.91	
LC0021	177	42	101	0.06	
LC0022	185	1.44	106	0.33	
LC0023	164	67	93.6	-0.38	
LC0024	197.4	19.7	113	0.74	

Characteristics of parameter

	all results	w ithout outliers	Unit
Mean ± CI (99%)	172 ± 67.3	170 ± 22.1	ng/l
Minimum	0.013	104	ng/l
Maximum	566	218	ng/l
Standard deviation	105	32.1	ng/l
rel. standard deviation	61	18.9	%
n	22	19	-

Graphical presentation of results

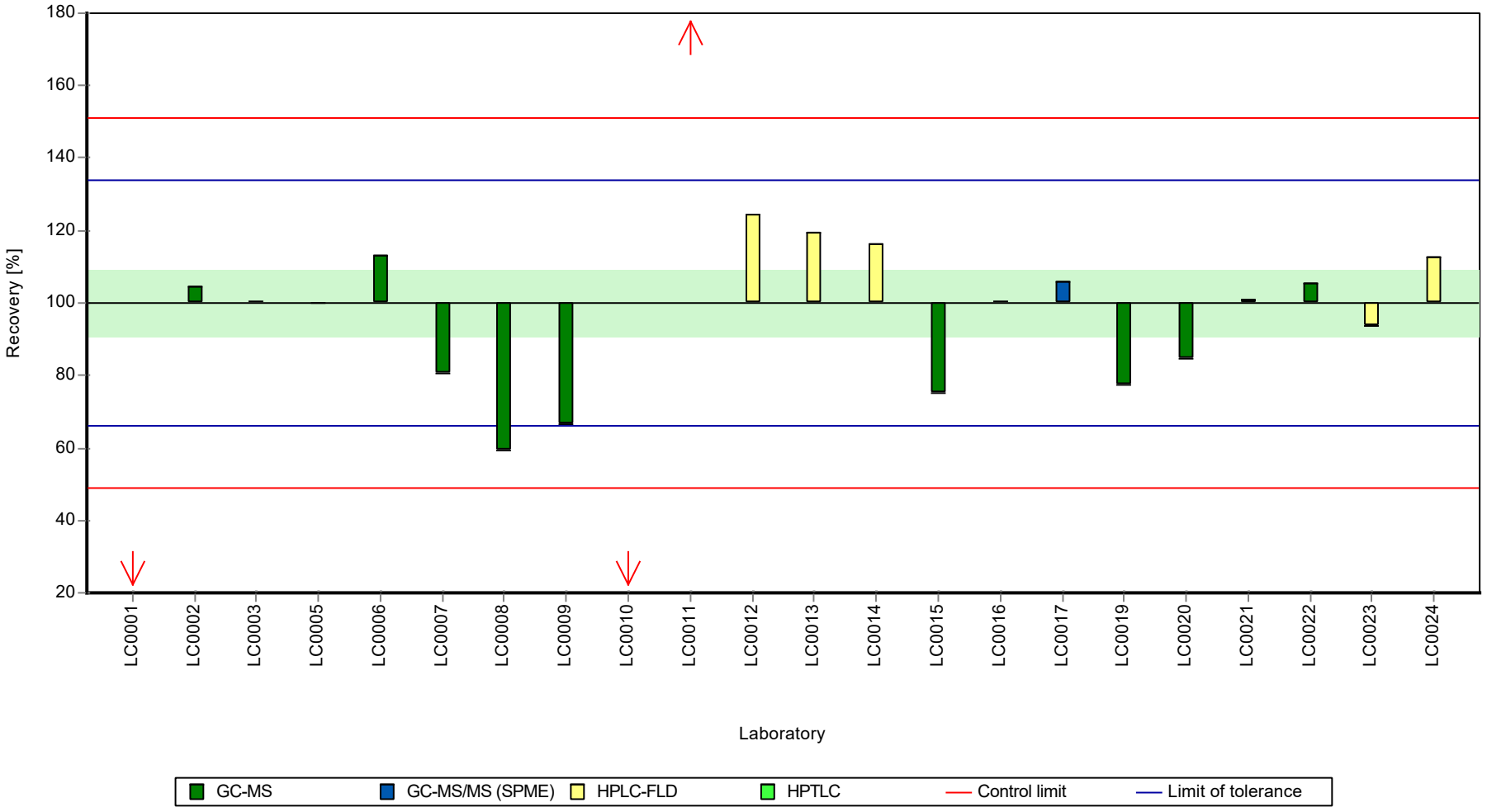
Results



Parameter oriented report Polycyclic Aromatic Hydrocarbons P25

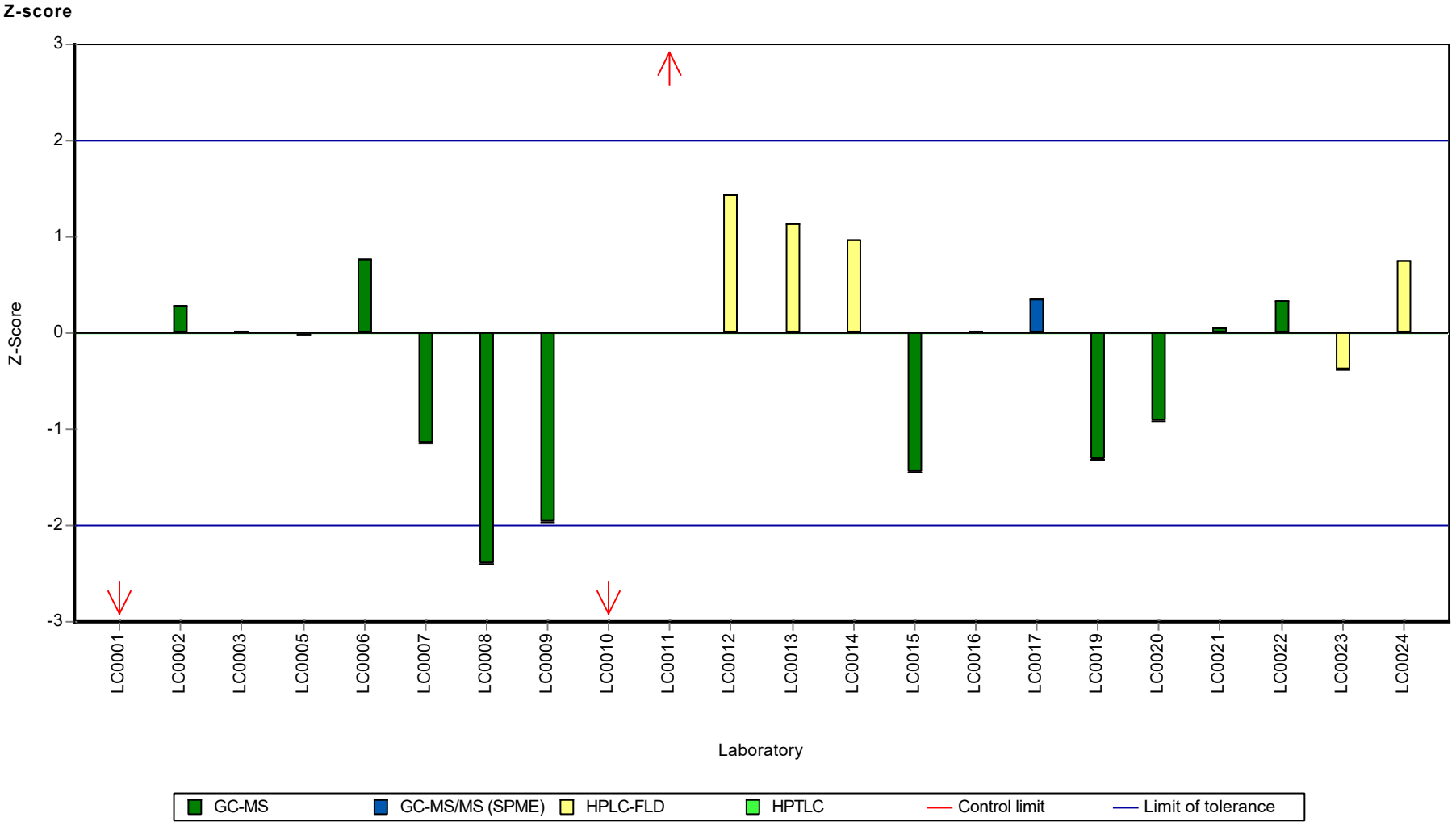
Sample: P25B, Parameter: Benzo[b]fluoranthene

Recovery rate



Parameter oriented report Polycyclic Aromatic Hydrocarbons P25

Sample: P25B, Parameter: Benzo[b]fluoranthene



Parameter oriented report

P25 A

Benzo[g,h,i]perylene

Unit	ng/l
Assigned value ± U (k=2)	19.8 ± 2.33
Criterion	4.94 (25 %)
Minimum - Maximum	10.2 - 30.4
Control test value ± U (k=2)	22.4 ± 7.84

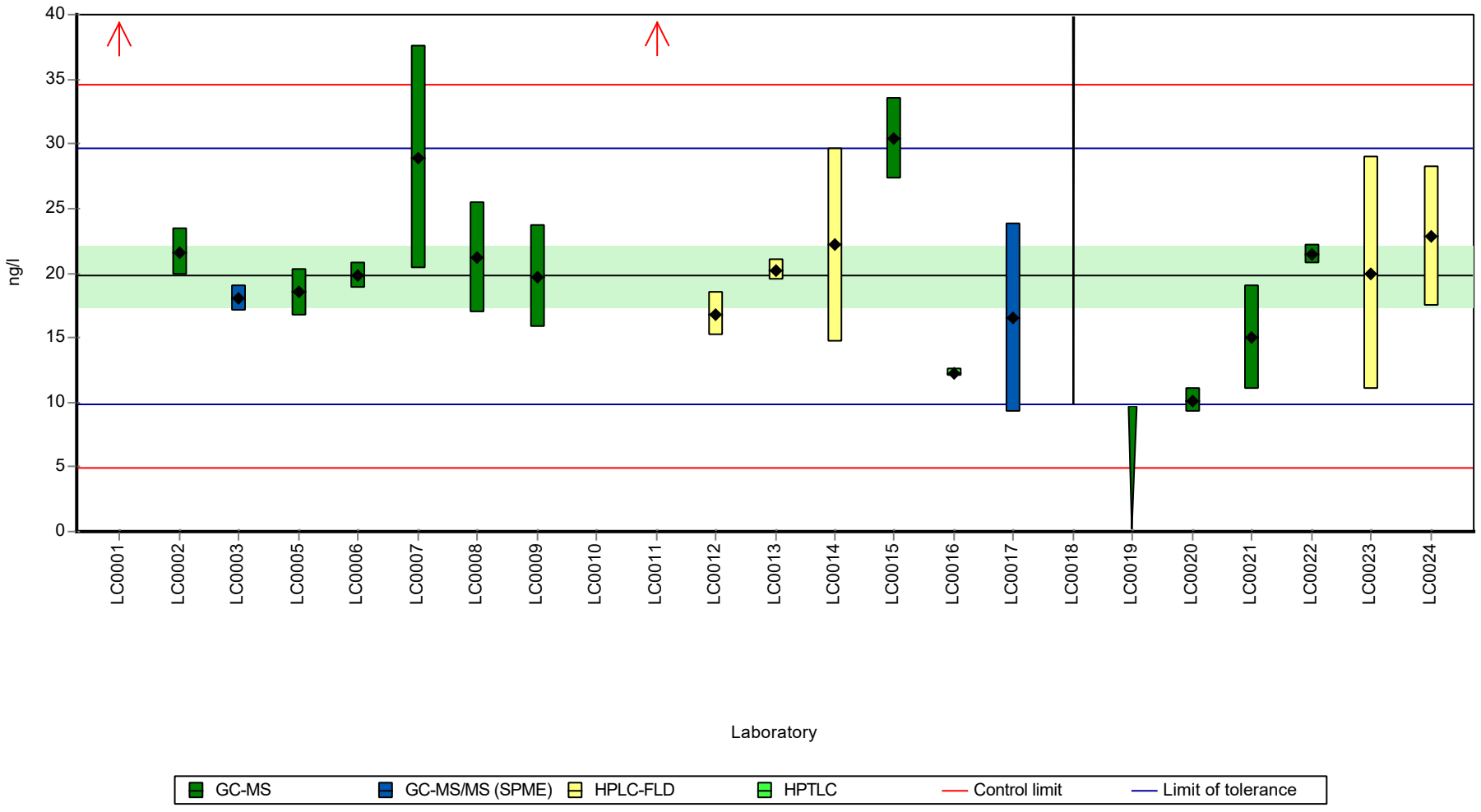
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	82.5	39.4	418	12.7	H
LC0002	21.61	1.8	109	0.37	
LC0003	18	1	91.1	-0.36	
LC0004	-	-	-	-	
LC0005	18.5	1.85	93.6	-0.25	
LC0006	19.8	0.99	100	0.01	
LC0007	28.95	8.68	147	1.86	
LC0008	21.2	4.24	107	0.29	
LC0009	19.72	3.94	99.8	-0.01	
LC0010	< 0.003 (LOQ)	-	-	-	FN
LC0011	48.5	9.7	245	5.82	H
LC0012	16.8	1.7	85	-0.6	
LC0013	20.2	0.81	102	0.09	
LC0014	22.19	7.5	112	0.49	
LC0015	30.4	3.2	154	2.15	
LC0016	12.3	0.26	62.2	-1.51	
LC0017	16.55	7.28	83.8	-0.65	
LC0018	< 200 (LOQ)	-	-	-	
LC0019	< 10 (LOQ)	-	-	-	
LC0020	10.15	0.968	51.4	-1.95	
LC0021	15	4	75.9	-0.96	
LC0022	21.46	0.78	109	0.34	
LC0023	20	9	101	0.05	
LC0024	22.84	5.37	116	0.62	

Characteristics of parameter

	all results	w ithout outliers	Unit
Mean ± CI (99%)	24.3 ± 10.6	19.8 ± 3.5	ng/l
Minimum	10.2	10.2	ng/l
Maximum	82.5	30.4	ng/l
Standard deviation	15.8	4.95	ng/l
rel. standard deviation	65	25	%
n	20	18	-

Graphical presentation of results

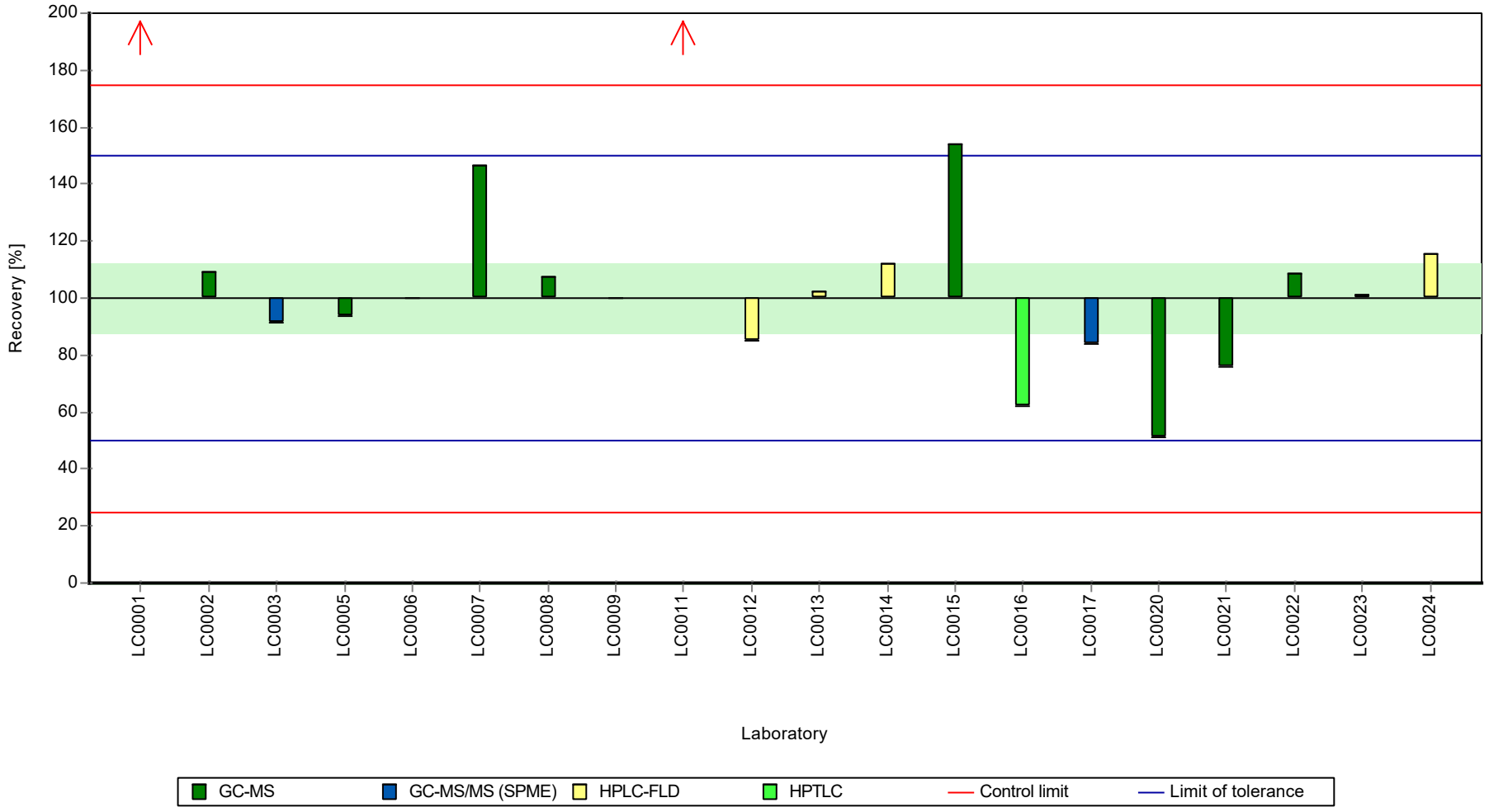
Results



Parameter oriented report Polycyclic Aromatic Hydrocarbons P25

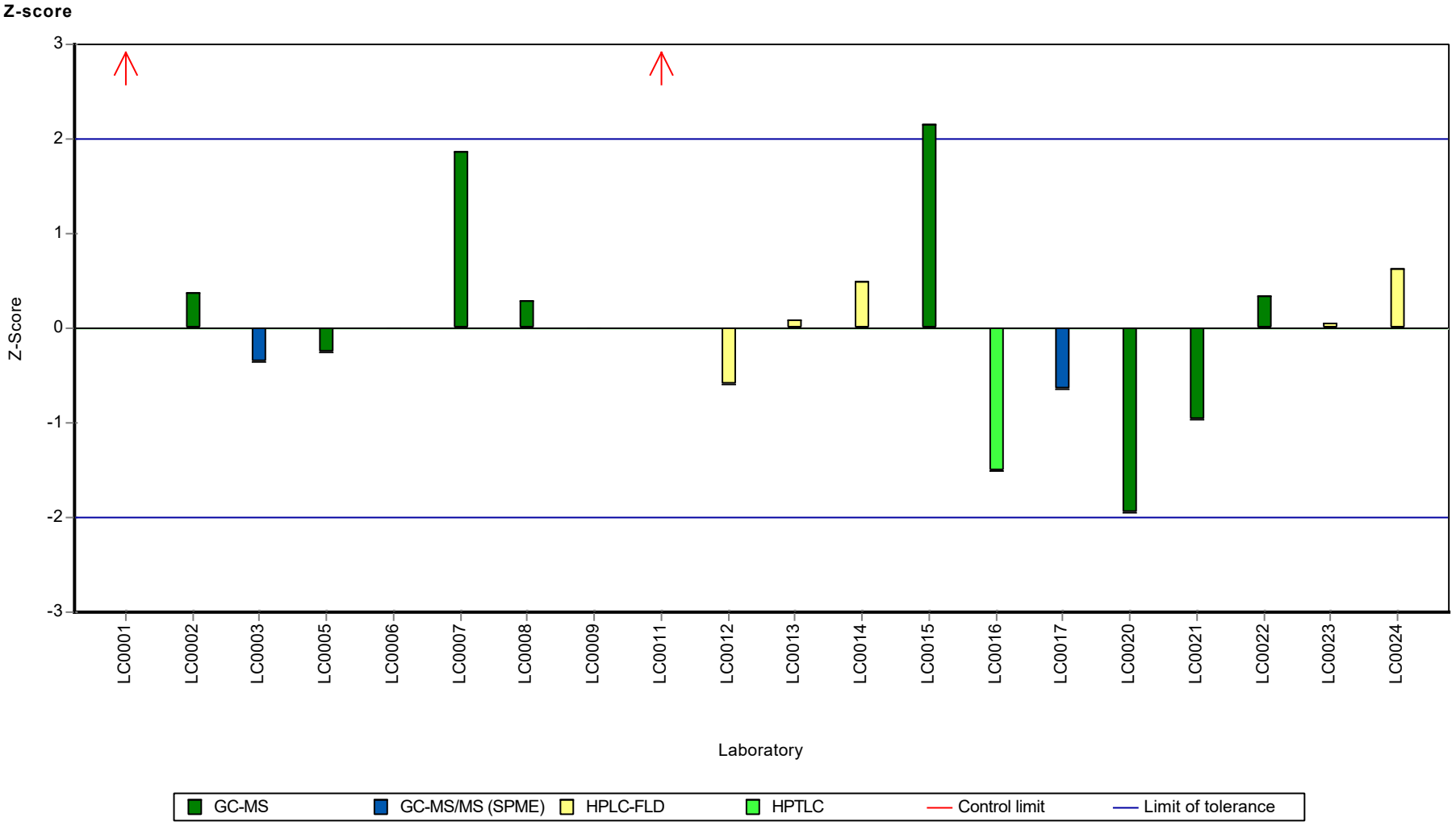
Sample: P25A, Parameter: Benzo[g,h,i]perylene

Recovery rate



Parameter oriented report Polycyclic Aromatic Hydrocarbons P25

Sample: P25A, Parameter: Benzo[g,h,i]perylene



Parameter oriented report

P25 B

Benzo[g,h,i]perylene

Unit	ng/l
Assigned value ± U (k=2)	133 ± 16.8
Criterion	33.3 (25 %)
Minimum - Maximum	58 - 201
Control test value ± U (k=2)	167.0 ± 58.5

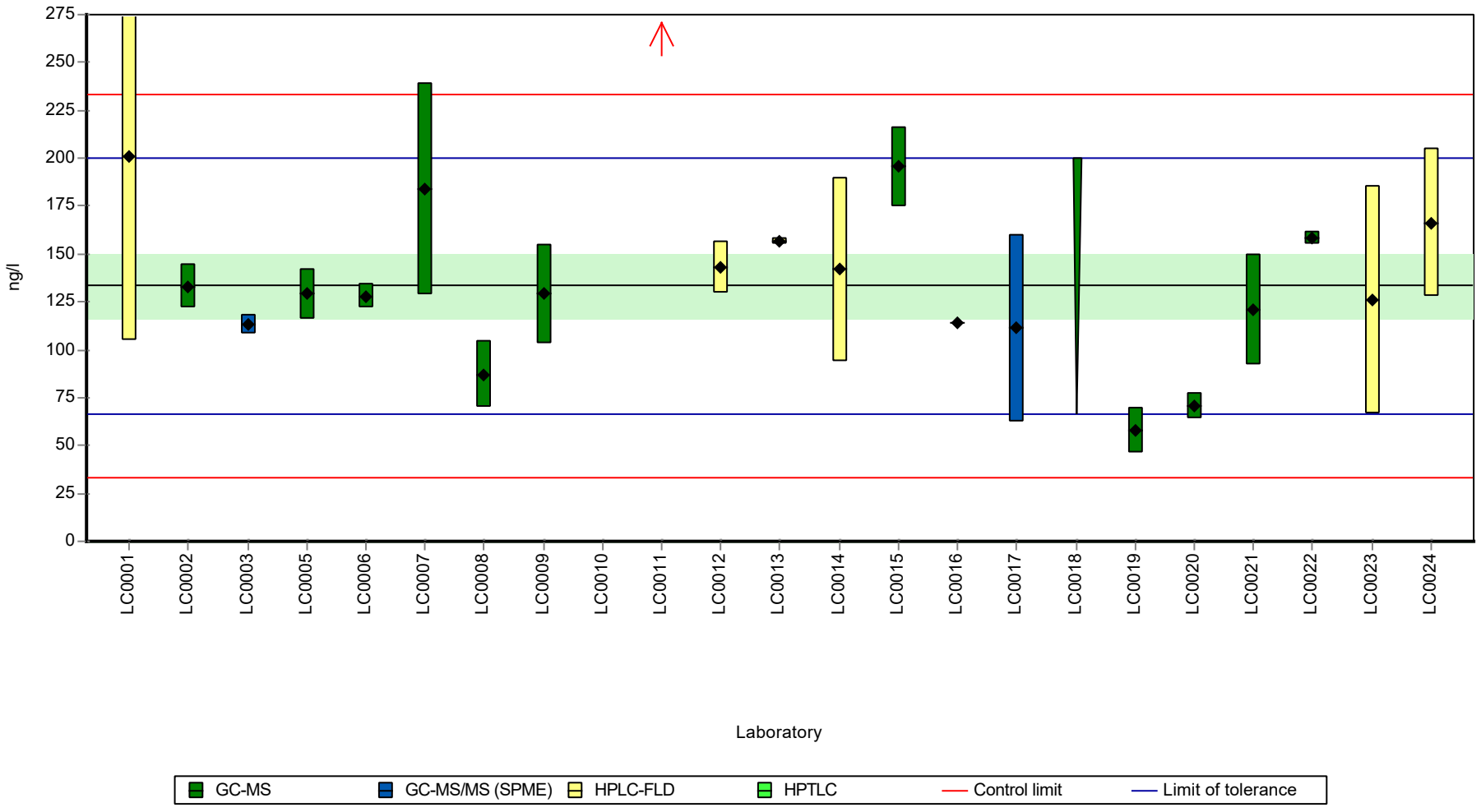
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	201	96	151	2.03	
LC0002	133.1	11.3	99.8	-0.01	
LC0003	113	5	84.7	-0.61	
LC0004	-	-	-	-	
LC0005	129	12.9	96.7	-0.13	
LC0006	128	6.4	96	-0.16	
LC0007	183.86	55.16	138	1.52	
LC0008	86.9	17.4	65.2	-1.39	
LC0009	129.2	25.84	96.9	-0.12	
LC0010	< 0.003 (LOQ)	-	-	-	FN
LC0011	340	68	255	6.2	H
LC0012	143	14	107	0.29	
LC0013	157	1.71	118	0.71	
LC0014	141.8	48	106	0.25	
LC0015	195.58	20.8	147	1.87	
LC0016	113.7	0.32	85.3	-0.59	
LC0017	111.3	48.9	83.5	-0.66	
LC0018	< 200 (LOQ)	-	-	-	
LC0019	58	12	43.5	-2.26	
LC0020	70.69	6.743	53	-1.88	
LC0021	121	29	90.7	-0.37	
LC0022	158.5	3.64	119	0.75	
LC0023	126	60	94.5	-0.22	
LC0024	166.4	39.1	125	0.99	

Characteristics of parameter

	all results	w ithout outliers	Unit
Mean ± CI (99%)	143 ± 38	133 ± 25.2	ng/l
Minimum	58	58	ng/l
Maximum	340	201	ng/l
Standard deviation	58.1	37.5	ng/l
rel. standard deviation	40.6	28.1	%
n	21	20	-

Graphical presentation of results

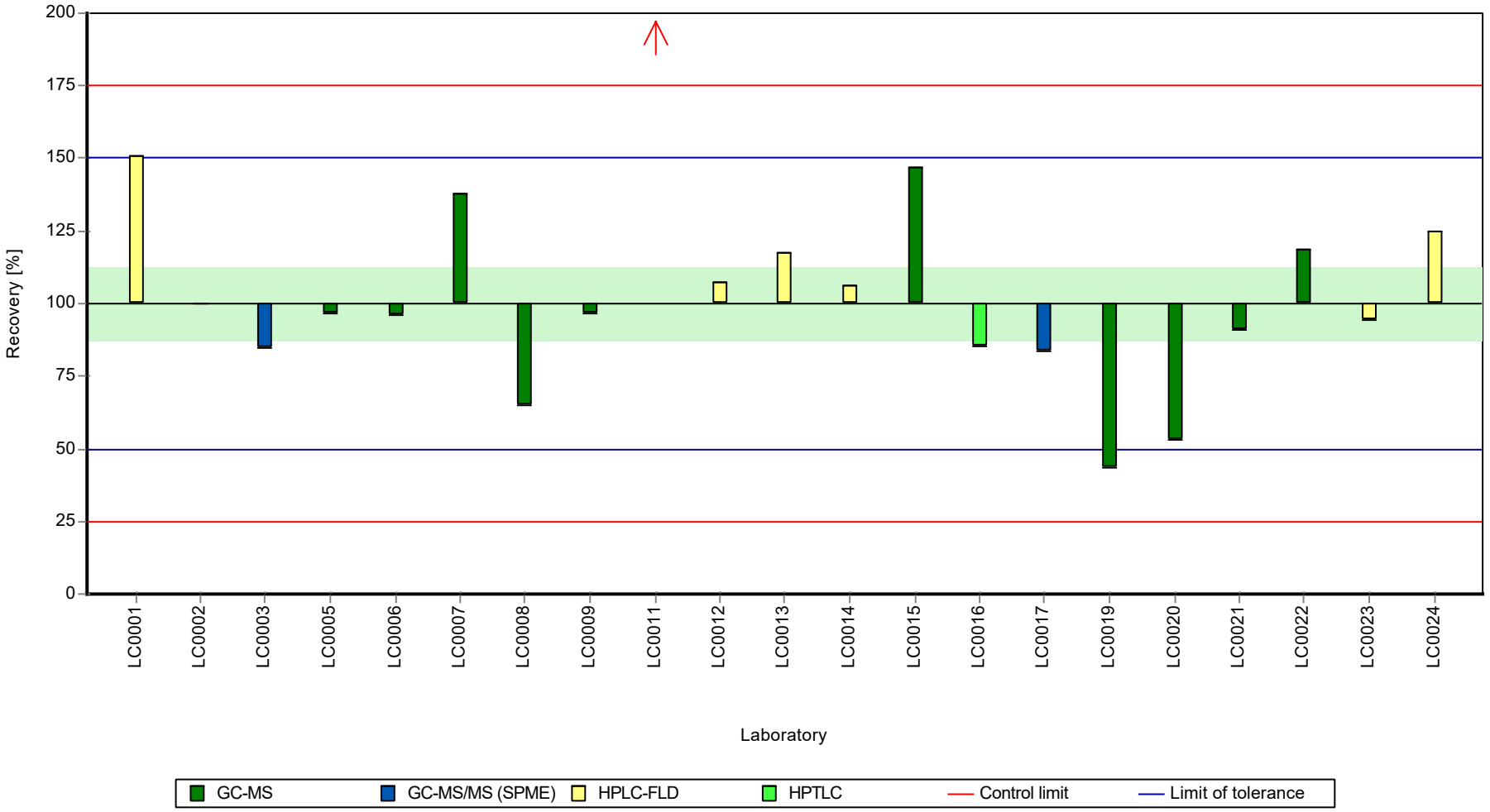
Results



Parameter oriented report Polycyclic Aromatic Hydrocarbons P25

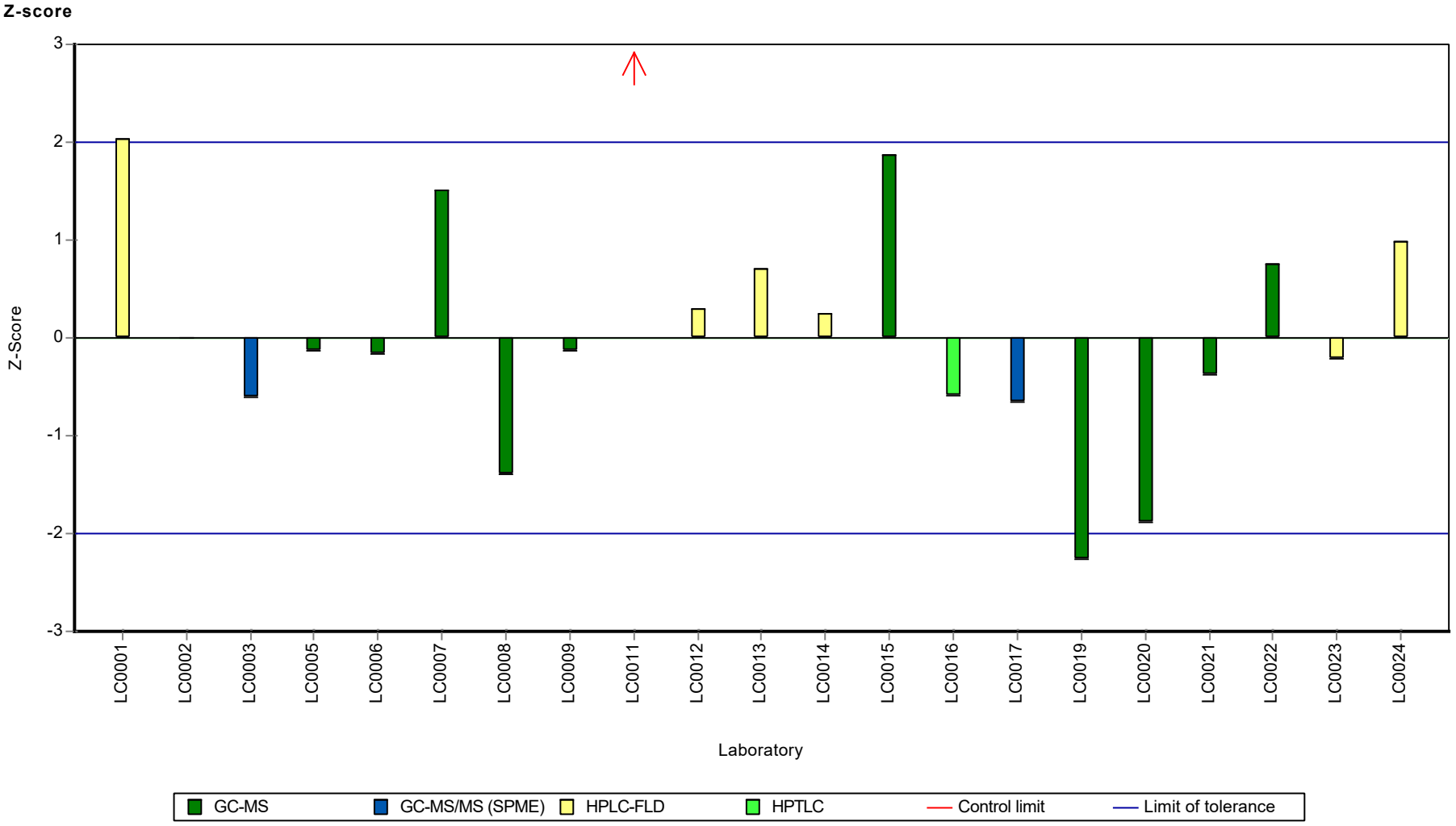
Sample: P25B, Parameter: Benzo[g,h,i]perylene

Recovery rate



Parameter oriented report Polycyclic Aromatic Hydrocarbons P25

Sample: P25B, Parameter: Benzo[g,h,i]perylene



Parameter oriented report

P25 A

Benzo[k]fluoranthene

Unit	ng/l
Assigned value ± U (k=2)	19.7 ± 1.64
Criterion	5.11 (26 %)
Minimum - Maximum	11.8 - 23.6
Control test value ± U (k=2)	26.2 ± 7.86

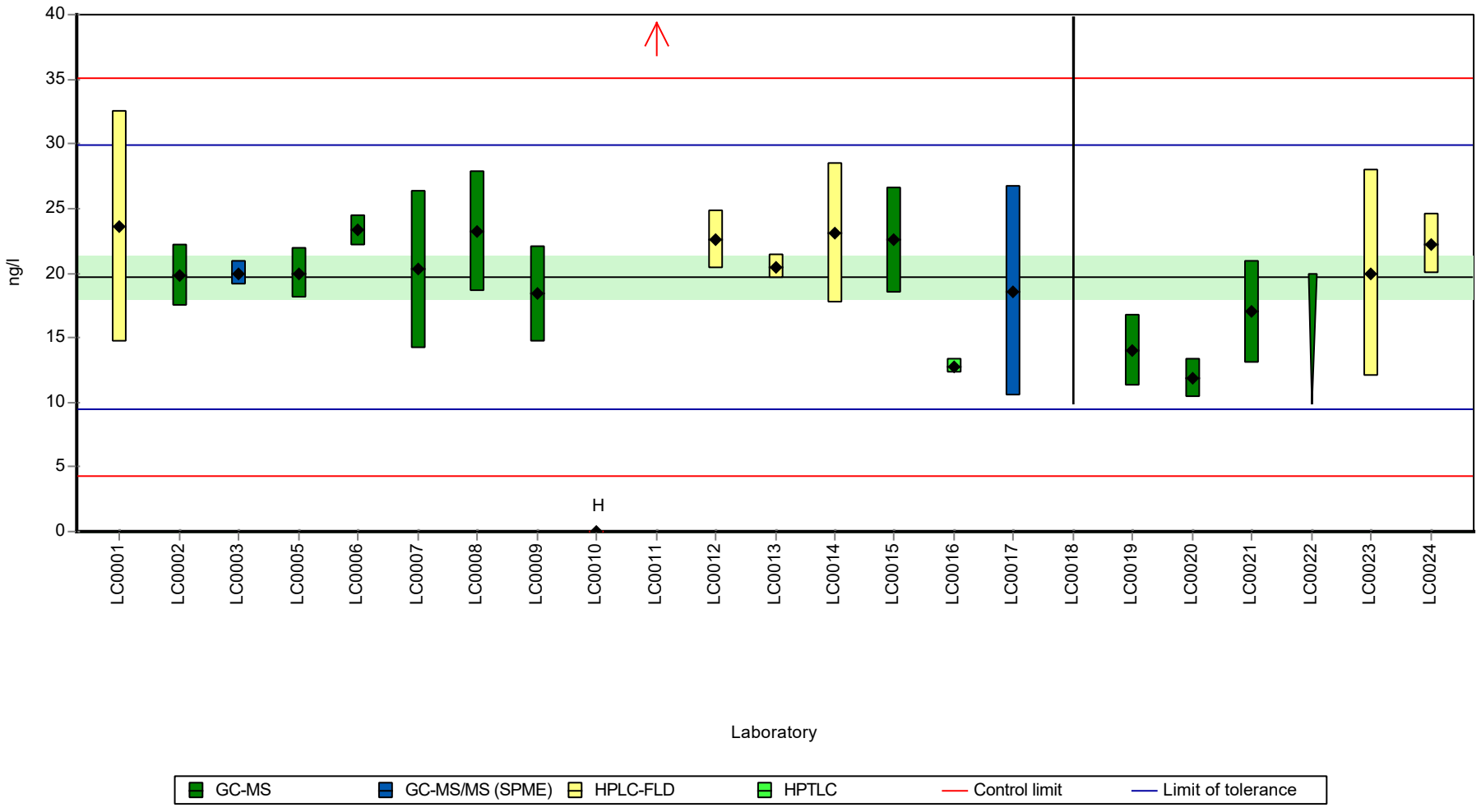
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	23.6	8.97	120	0.77	
LC0002	19.78	2.4	101	0.02	
LC0003	20	1	102	0.06	
LC0004	-	-	-	-	
LC0005	20	2	102	0.06	
LC0006	23.3	1.2	118	0.71	
LC0007	20.26	6.08	103	0.11	
LC0008	23.2	4.64	118	0.69	
LC0009	18.36	3.67	93.3	-0.26	
LC0010	0.01	0.001	0.1	-3.84	H
LC0011	51.4	10.3	261	6.2	H
LC0012	22.6	2.3	115	0.57	
LC0013	20.5	0.98	104	0.16	
LC0014	23.09	5.4	117	0.67	
LC0015	22.58	4.1	115	0.57	
LC0016	12.8	0.6	65.1	-1.34	
LC0017	18.61	8.19	94.6	-0.21	
LC0018	< 200 (LOQ)	-	-	-	
LC0019	14	2.8	71.2	-1.11	
LC0020	11.82	1.519	60.1	-1.54	
LC0021	17	4	86.4	-0.52	
LC0022	< 20 (LOQ)	-	-	-	
LC0023	20	8	102	0.06	
LC0024	22.27	2.34	113	0.51	

Characteristics of parameter

	all results	w ithout outliers	Unit
Mean ± CI (99%)	20.2 ± 5.88	19.7 ± 2.45	ng/l
Minimum	0.01	11.8	ng/l
Maximum	51.4	23.6	ng/l
Standard deviation	8.99	3.57	ng/l
rel. standard deviation	44.4	18.1	%
n	21	19	-

Graphical presentation of results

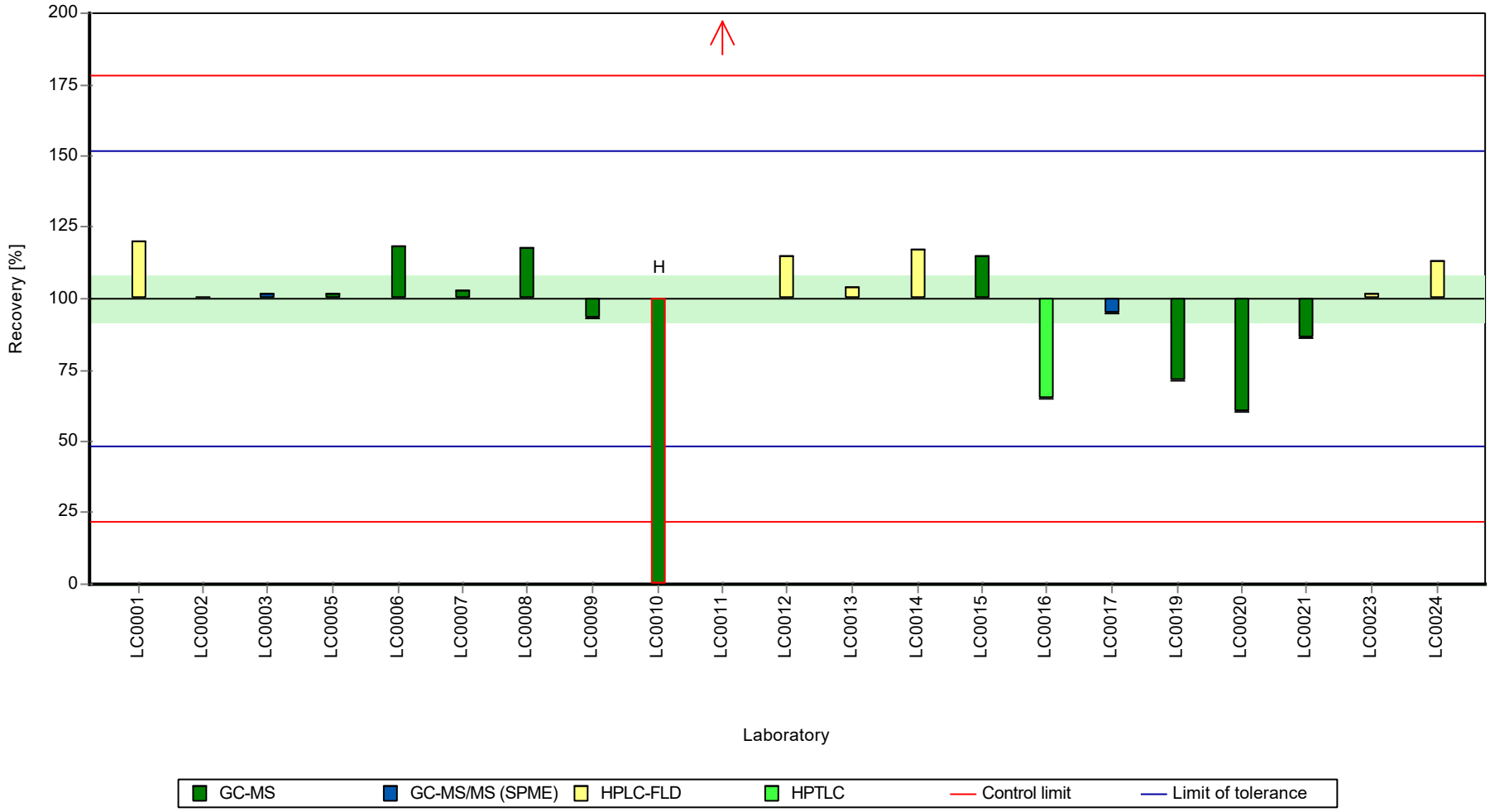
Results



Parameter oriented report Polycyclic Aromatic Hydrocarbons P25

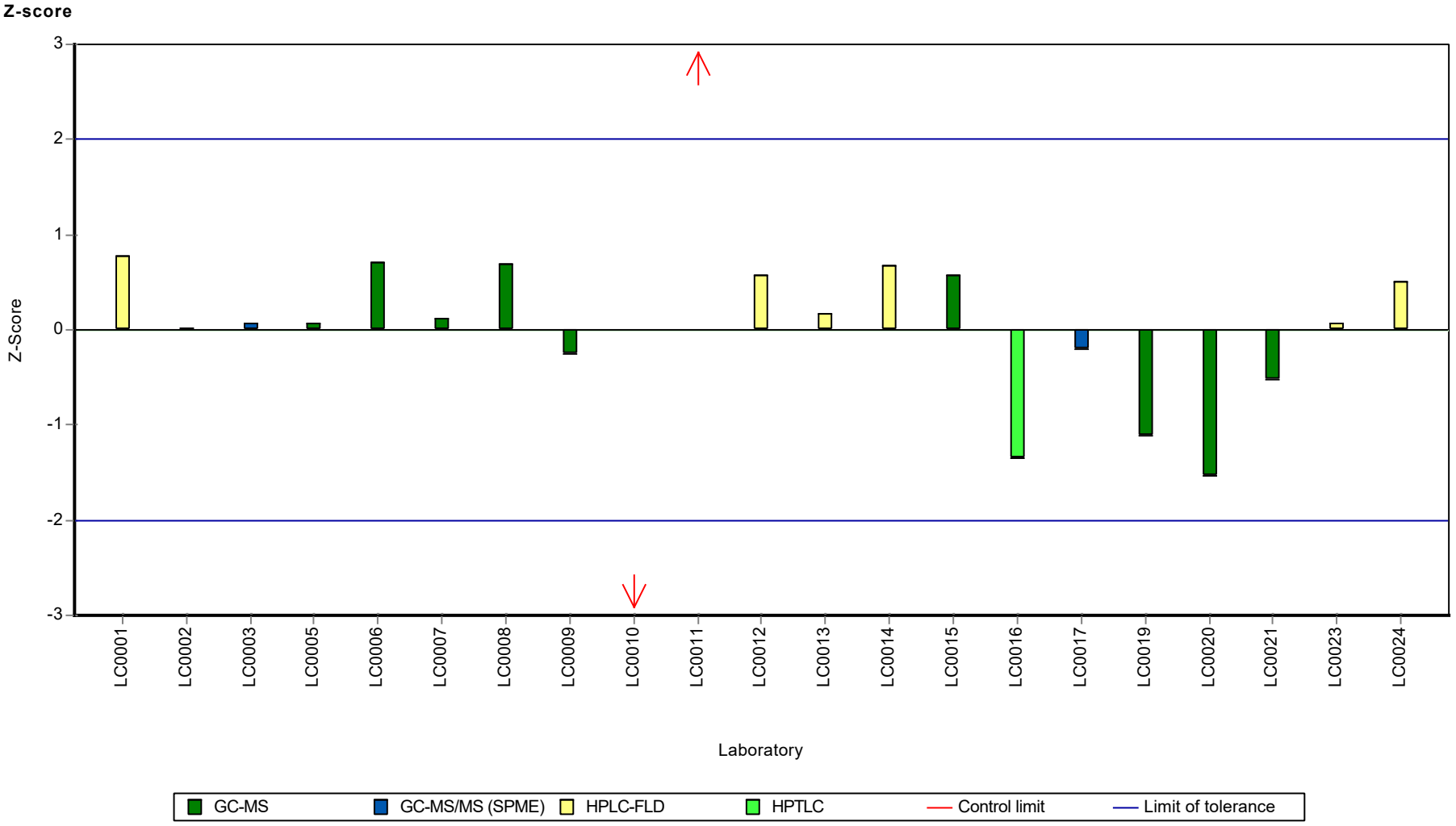
Sample: P25A, Parameter: Benzo[k]fluoranthene

Recovery rate



Parameter oriented report Polycyclic Aromatic Hydrocarbons P25

Sample: P25A, Parameter: Benzo[k]fluoranthene



Parameter oriented report

P25 B

Benzo[k]fluoranthene

Unit	ng/l
Assigned value ± U (k=2)	127 ± 9.09
Criterion	33.1 (26 %)
Minimum - Maximum	91.5 - 163
Control test value ± U (k=2)	161.0 ± 48.2

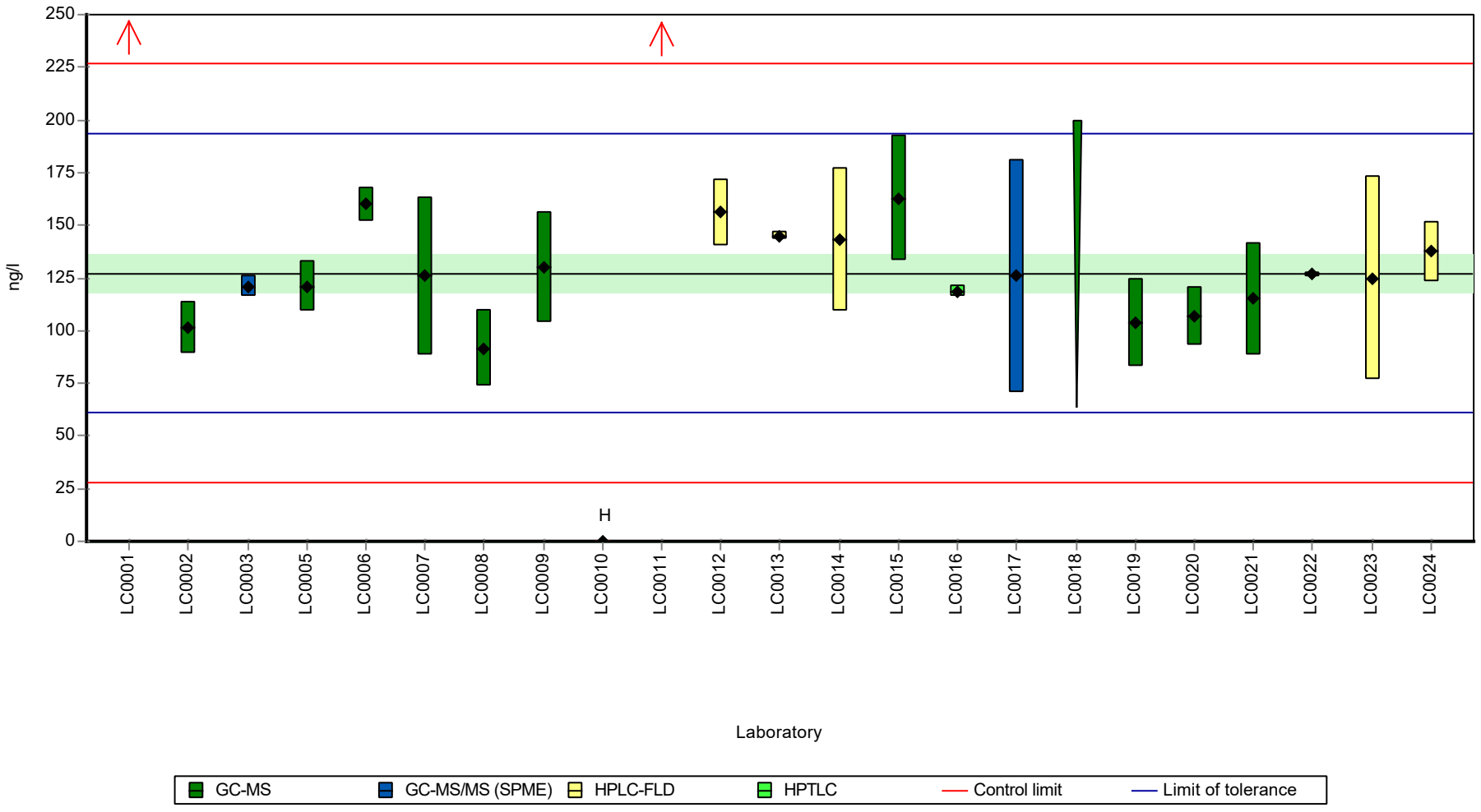
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	298	113	234	5.16	H
LC0002	101.43	12.1	79.7	-0.78	
LC0003	121	5	95.1	-0.19	
LC0004	-	-	-	-	
LC0005	121	12.1	95.1	-0.19	
LC0006	160	8.1	126	0.99	
LC0007	125.79	37.74	98.9	-0.04	
LC0008	91.5	18.3	71.9	-1.08	
LC0009	130.05	26.01	102	0.08	
LC0010	0.012	0.001	0	-3.85	H
LC0011	462	92	363	10.12	H
LC0012	156	16	123	0.87	
LC0013	145	2.05	114	0.54	
LC0014	143.4	34	113	0.49	
LC0015	162.75	29.7	128	1.07	
LC0016	118.8	2.4	93.4	-0.26	
LC0017	126	55.4	99	-0.04	
LC0018	< 200 (LOQ)	-	-	-	
LC0019	104	21	81.7	-0.7	
LC0020	106.7	13.715	83.9	-0.62	
LC0021	115	27	90.4	-0.37	
LC0022	126.8	1.2	99.6	-0.01	
LC0023	125	48	98.2	-0.07	
LC0024	137.5	14.4	108	0.31	

Characteristics of parameter

	all results	w ithout outliers	Unit
Mean ± CI (99%)	144 ± 55.5	127 ± 13.6	ng/l
Minimum	0.012	91.5	ng/l
Maximum	462	163	ng/l
Standard deviation	86.7	19.8	ng/l
rel. standard deviation	60	15.6	%
n	22	19	-

Graphical presentation of results

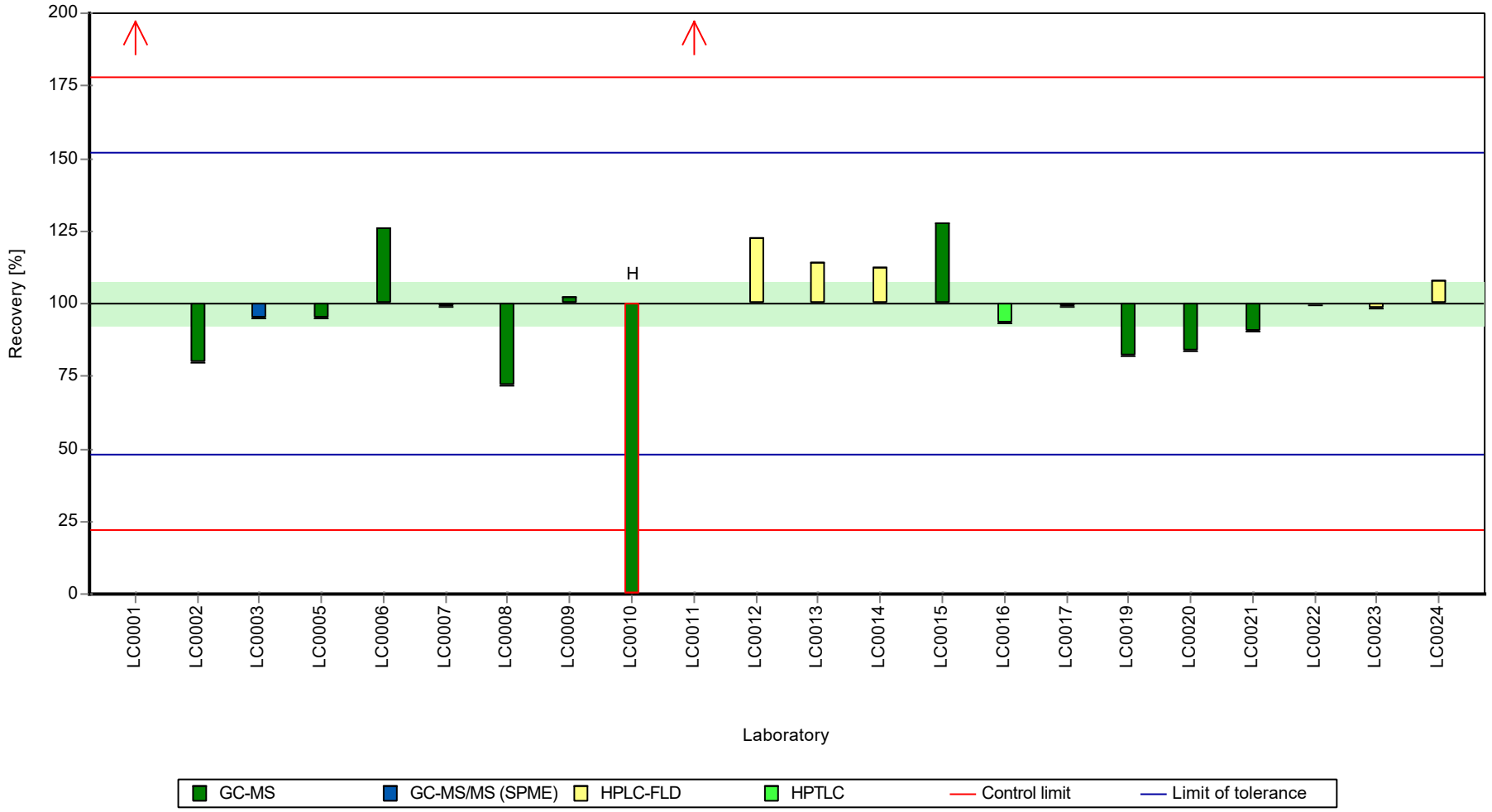
Results



Parameter oriented report Polycyclic Aromatic Hydrocarbons P25

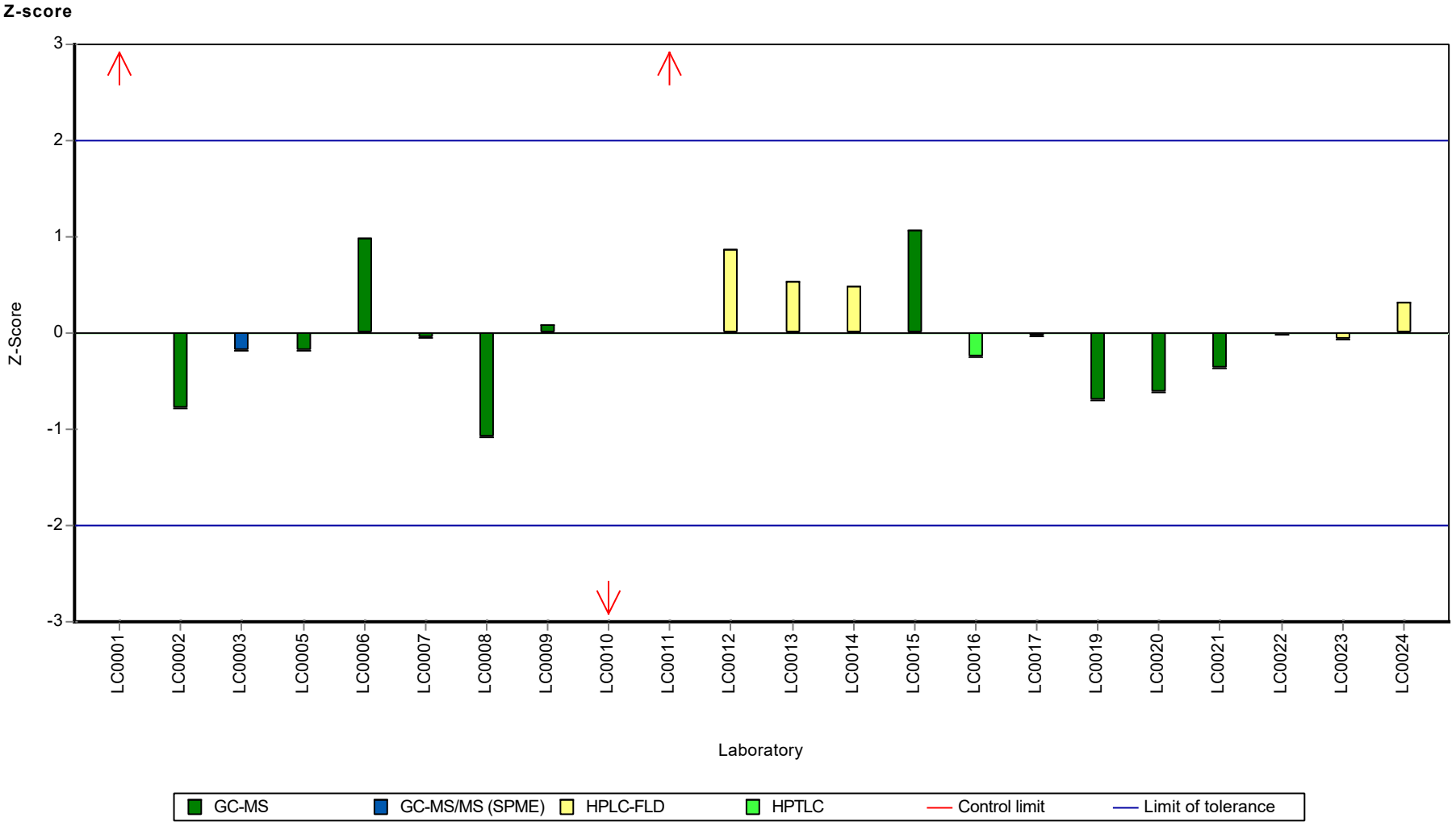
Sample: P25B, Parameter: Benzo[k]fluoranthene

Recovery rate



Parameter oriented report Polycyclic Aromatic Hydrocarbons P25

Sample: P25B, Parameter: Benzo[k]fluoranthene



Parameter oriented report

P25 A

Chrysene

Unit	ng/l
Assigned value ± U (k=2)	20.3 ± 2.06
Criterion	4.47 (22 %)
Minimum - Maximum	11.8 - 31.1
Control test value ± U (k=2)	20.3 ± 5.08

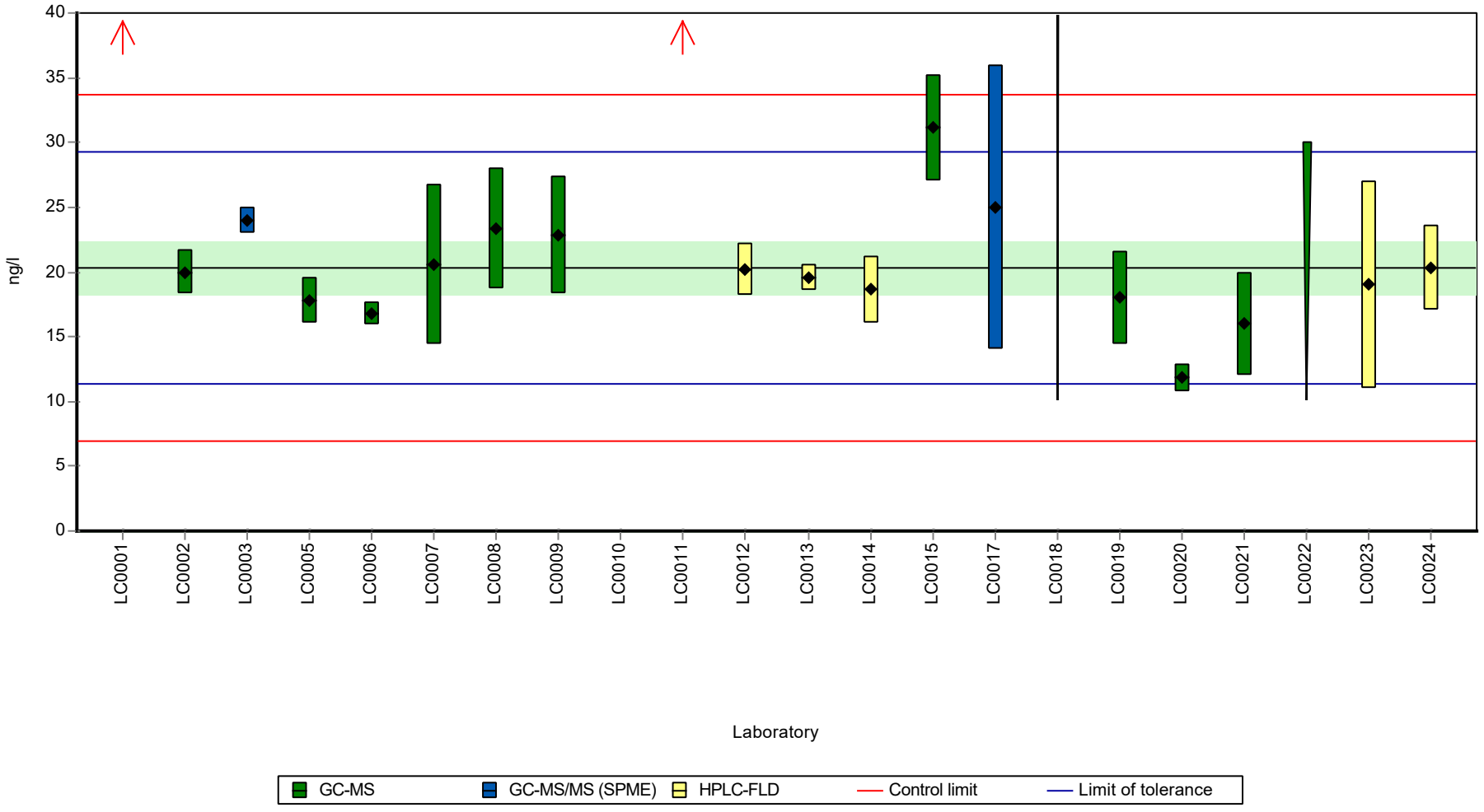
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	121	29.2	596	22.55	H
LC0002	20	1.7	98.5	-0.07	
LC0003	24	1	118	0.83	
LC0004	-	-	-	-	
LC0005	17.8	1.78	87.7	-0.56	
LC0006	16.8	0.84	82.8	-0.78	
LC0007	20.57	6.17	101	0.06	
LC0008	23.3	4.66	115	0.67	
LC0009	22.87	4.57	113	0.58	
LC0010	< 0.003 (LOQ)	-	-	-	FN
LC0011	60.3	12.1	297	8.96	H
LC0012	20.2	2	99.5	-0.02	
LC0013	19.6	1.03	96.6	-0.16	
LC0014	18.65	2.6	91.9	-0.37	
LC0015	31.12	4.1	153	2.42	
LC0016	-	-	-	-	
LC0017	25.01	11	123	1.06	
LC0018	< 200 (LOQ)	-	-	-	
LC0019	18	3.6	88.7	-0.51	
LC0020	11.82	1.055	58.2	-1.9	
LC0021	16	4	78.8	-0.96	
LC0022	< 30 (LOQ)	-	-	-	
LC0023	19	8	93.6	-0.29	
LC0024	20.31	3.25	100	0.00	

Characteristics of parameter

	all results	w ithout outliers	Unit
Mean ± Cl (99%)	27.7 ± 17	20.3 ± 3.09	ng/l
Minimum	11.8	11.8	ng/l
Maximum	121	31.1	ng/l
Standard deviation	24.7	4.24	ng/l
rel. standard deviation	89.2	20.9	%
n	19	17	-

Graphical presentation of results

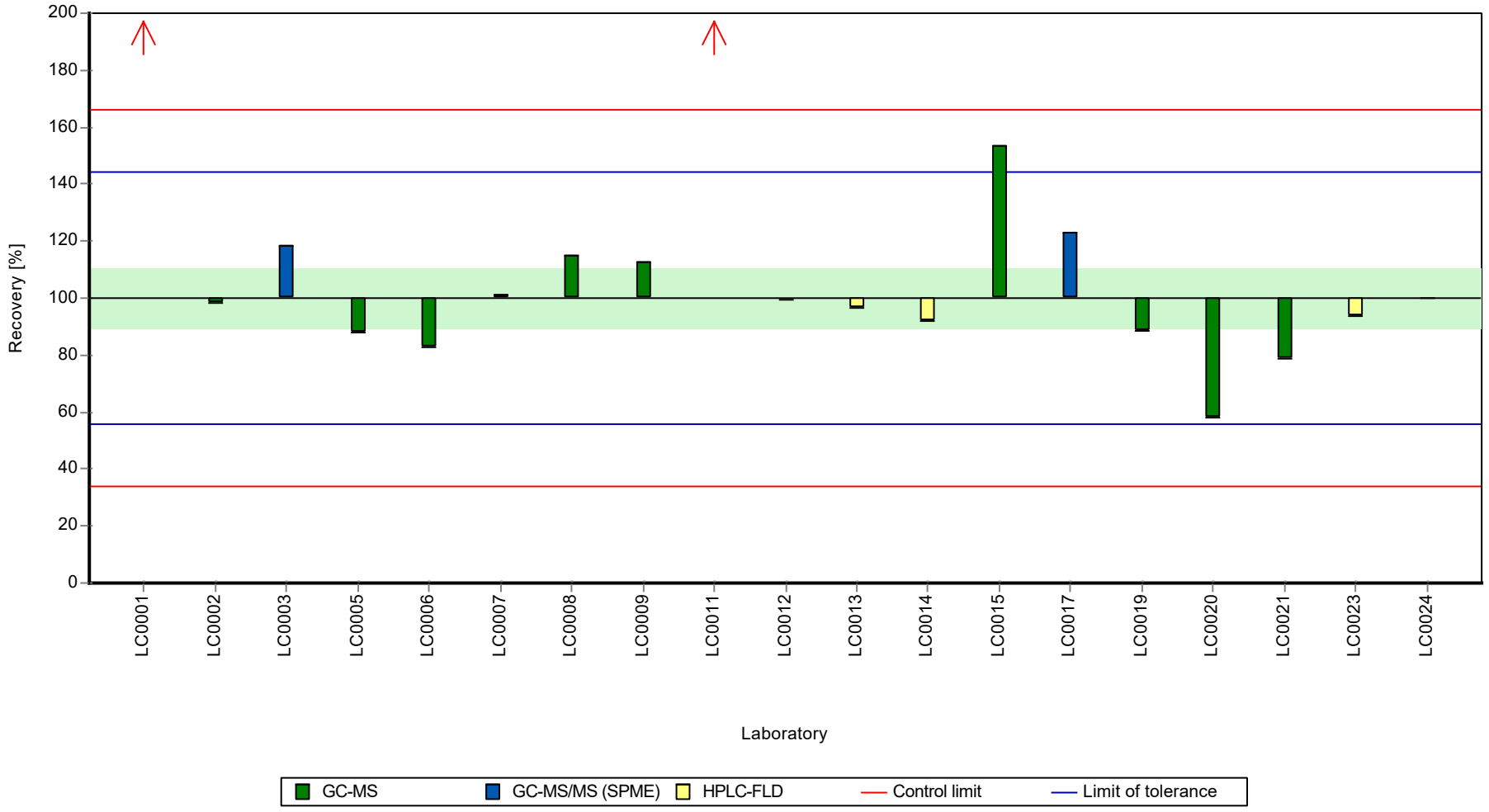
Results



Parameter oriented report Polycyclic Aromatic Hydrocarbons P25

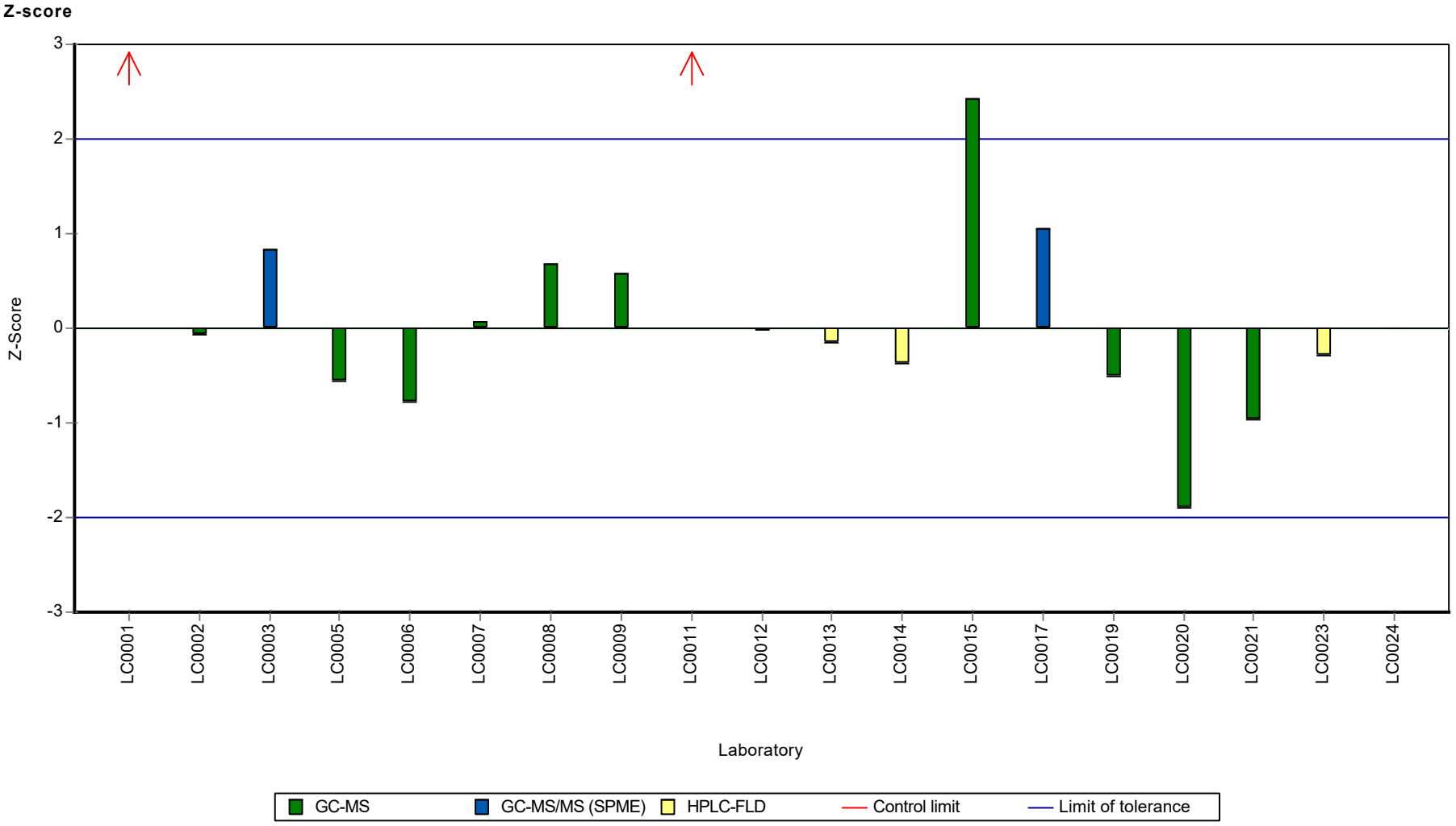
Sample: P25A, Parameter: Chrysene

Recovery rate



Parameter oriented report Polycyclic Aromatic Hydrocarbons P25

Sample: P25A, Parameter: Chrysene



Parameter oriented report

P25 B

Chrysene

Unit	ng/l
Assigned value ± U (k=2)	129 ± 10.3
Criterion	28.3 (22 %)
Minimum - Maximum	91.5 - 171
Control test value ± U (k=2)	142.0 ± 35.5

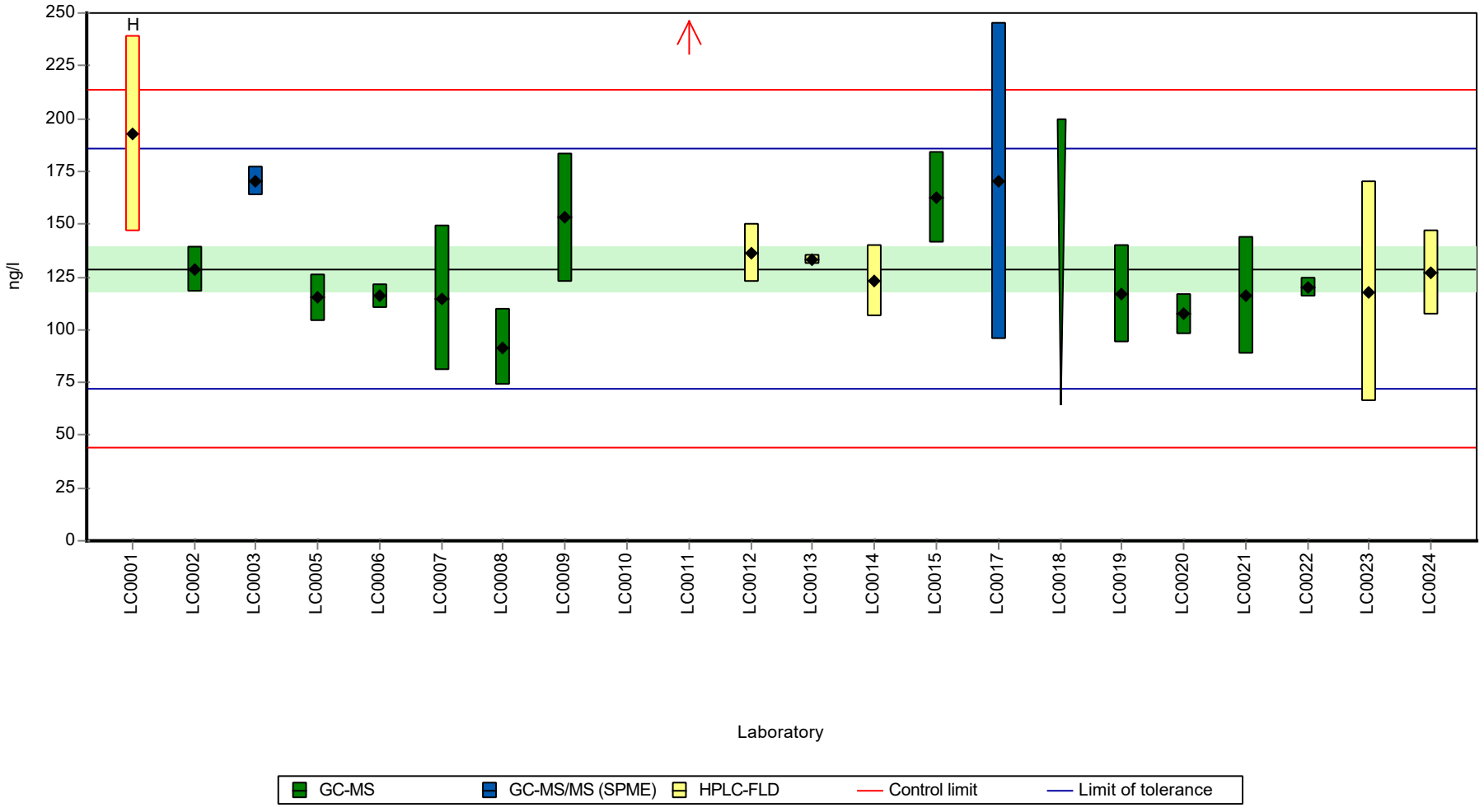
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	193	46.5	150	2.26	H
LC0002	128.43	11	99.7	-0.01	
LC0003	170	7	132	1.45	
LC0004	-	-	-	-	
LC0005	115	11.5	89.2	-0.49	
LC0006	116	5.8	90	-0.45	
LC0007	114.65	34.4	89	-0.5	
LC0008	91.5	18.3	71	-1.32	
LC0009	153	30.6	119	0.85	
LC0010	< 0.003 (LOQ)	-	-	-	FN
LC0011	423	85	328	10.38	H
LC0012	136	14	106	0.25	
LC0013	133	2.1	103	0.15	
LC0014	123	17	95.5	-0.21	
LC0015	162.6	21.5	126	1.19	
LC0016	-	-	-	-	
LC0017	170.6	75.1	132	1.47	
LC0018	< 200 (LOQ)	-	-	-	
LC0019	117	23	90.8	-0.42	
LC0020	107.2	9.572	83.2	-0.76	
LC0021	116	28	90	-0.45	
LC0022	120.3	4.68	93.4	-0.3	
LC0023	118	52	91.6	-0.38	
LC0024	127.1	20.3	98.6	-0.06	

Characteristics of parameter

	all results	w ithout outliers	Unit
Mean ± CI (99%)	147 ± 46.8	129 ± 15.5	ng/l
Minimum	91.5	91.5	ng/l
Maximum	423	171	ng/l
Standard deviation	69.7	21.9	ng/l
rel. standard deviation	47.5	17	%
n	20	18	-

Graphical presentation of results

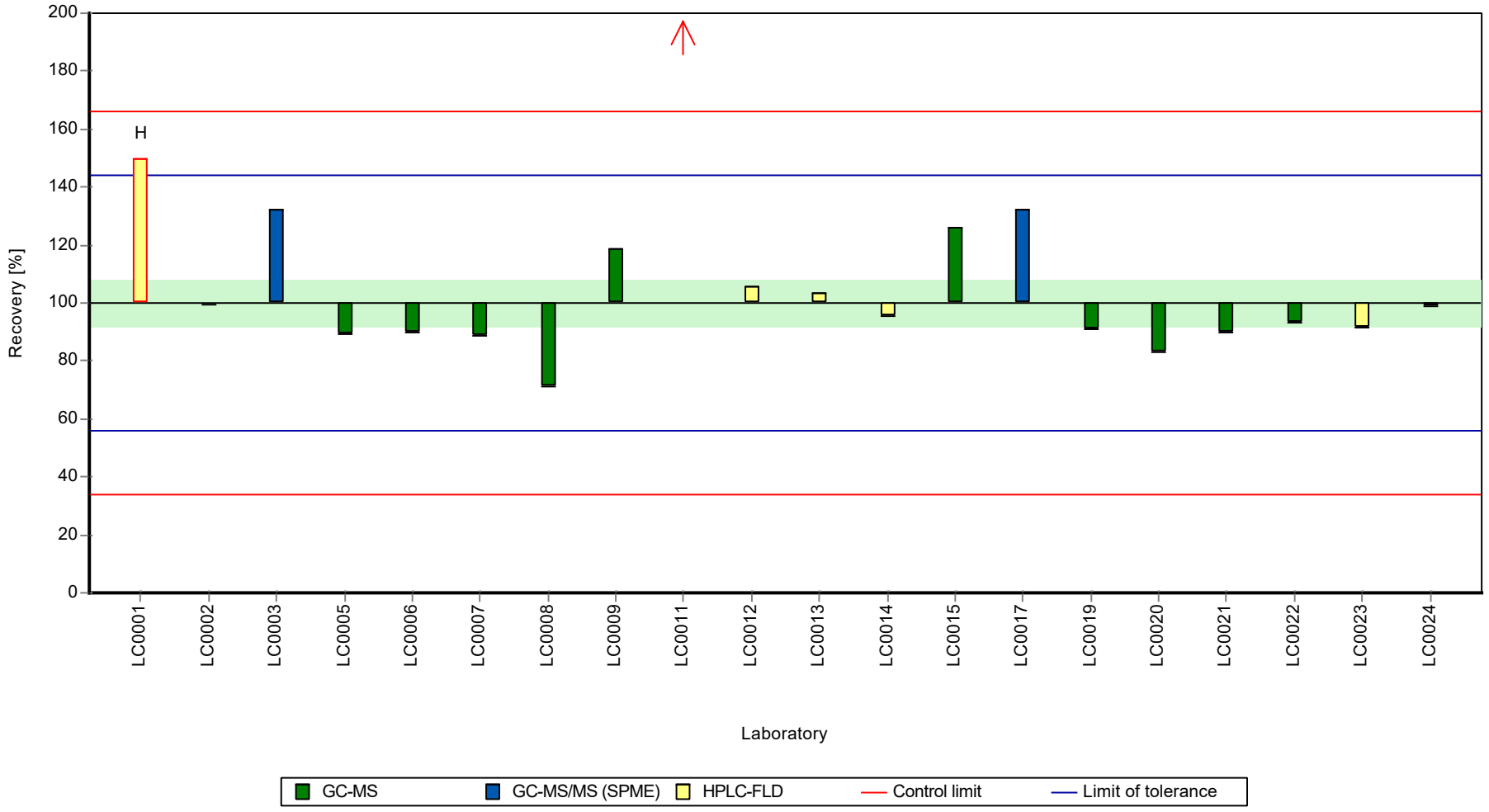
Results



Parameter oriented report Polycyclic Aromatic Hydrocarbons P25

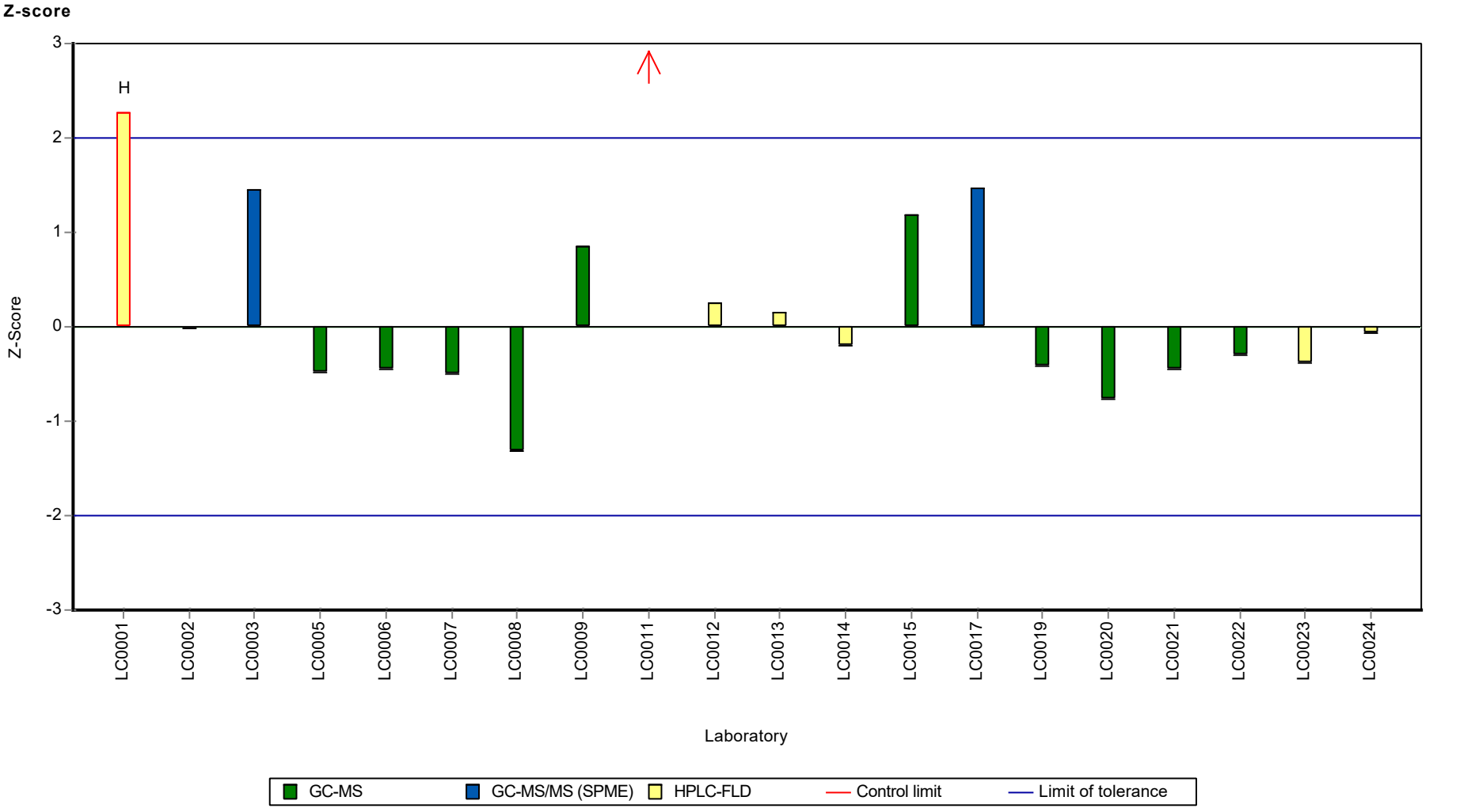
Sample: P25B, Parameter: Chrysene

Recovery rate



Parameter oriented report Polycyclic Aromatic Hydrocarbons P25

Sample: P25B, Parameter: Chrysene



Parameter oriented report

P25 A

Dibenzo[a,h]anthracene

Unit	ng/l
Assigned value ± U (k=2)	21.2 ± 2
Criterion	6.36 (30 %)
Minimum - Maximum	11 - 27.3
Control test value ± U (k=2)	25.4 ± 8.9

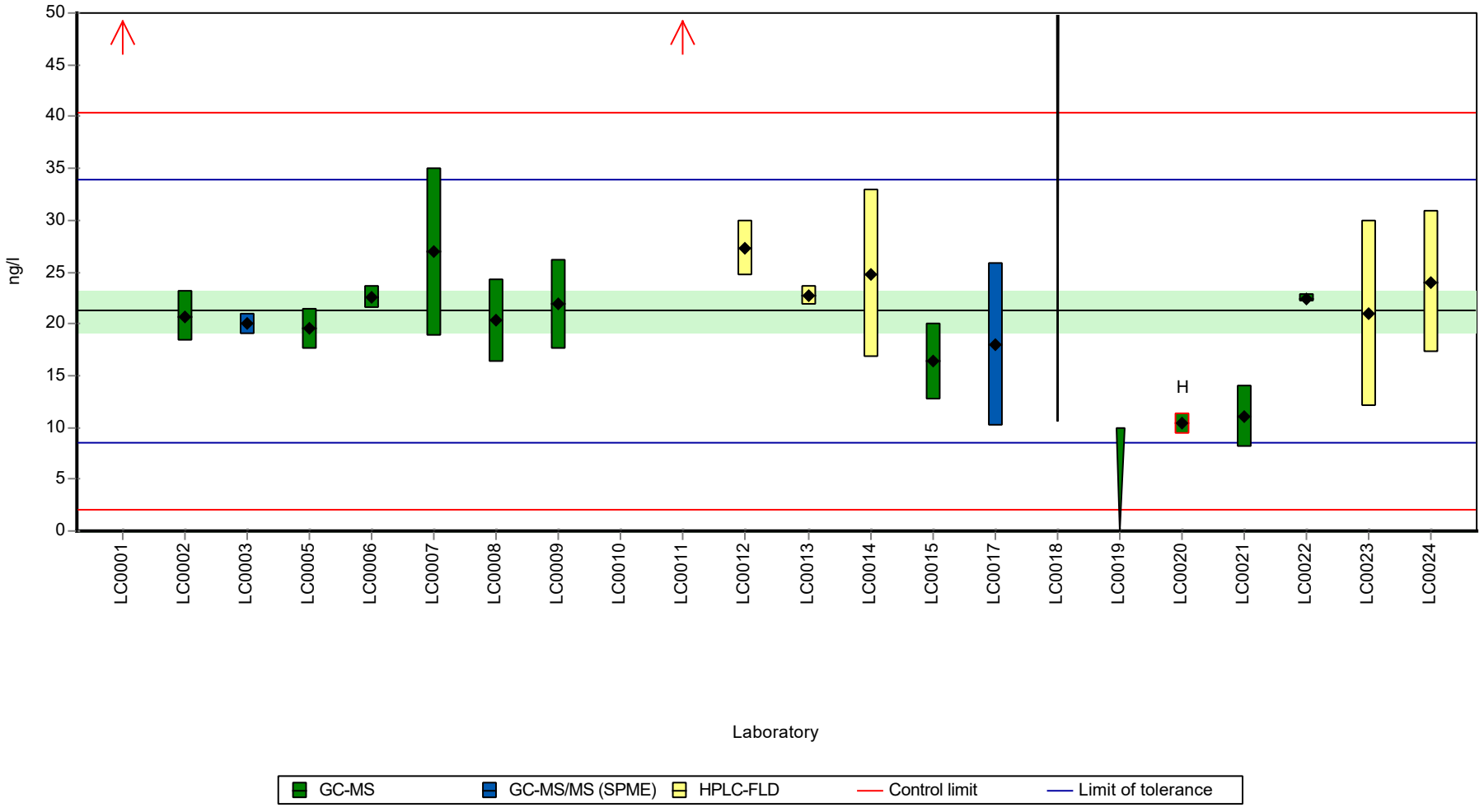
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	230	111	1080	32.8	H
LC0002	20.74	2.5	97.8	-0.07	
LC0003	20	1	94.3	-0.19	
LC0004	-	-	-	-	
LC0005	19.5	1.95	91.9	-0.27	
LC0006	22.5	1.1	106	0.2	
LC0007	26.92	8.08	127	0.9	
LC0008	20.3	4.06	95.7	-0.14	
LC0009	21.85	4.37	103	0.1	
LC0010	< 0.003 (LOQ)	-	-	-	FN
LC0011	60.4	12.1	285	6.16	H
LC0012	27.3	2.7	129	0.96	
LC0013	22.7	0.99	107	0.23	
LC0014	24.8	8.1	117	0.56	
LC0015	16.35	3.7	77.1	-0.76	
LC0016	-	-	-	-	
LC0017	17.99	7.92	84.8	-0.51	
LC0018	< 200 (LOQ)	-	-	-	
LC0019	< 10 (LOQ)	-	-	-	FN
LC0020	10.39	1.026	49	-1.7	H
LC0021	11	3	51.8	-1.61	
LC0022	22.46	0.42	106	0.2	
LC0023	21	9	99	-0.03	
LC0024	24.05	6.85	113	0.45	

Characteristics of parameter

	all results	w ithout outliers	Unit
Mean ± CI (99%)	33.7 ± 33.5	21.2 ± 3	ng/l
Minimum	10.4	11	ng/l
Maximum	230	27.3	ng/l
Standard deviation	48.6	4	ng/l
rel. standard deviation	144	18.9	%
n	19	16	-

Graphical presentation of results

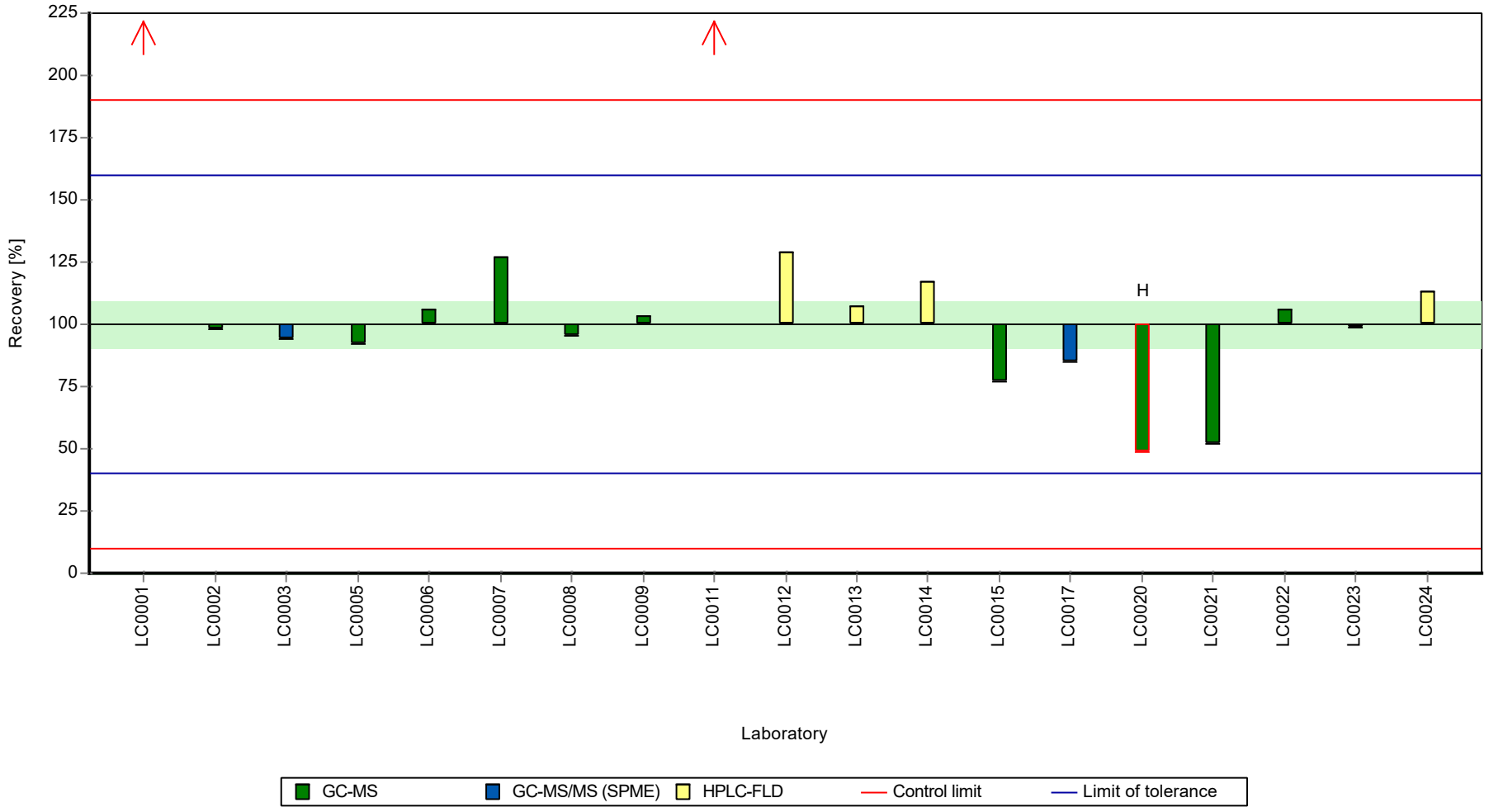
Results



Parameter oriented report Polycyclic Aromatic Hydrocarbons P25

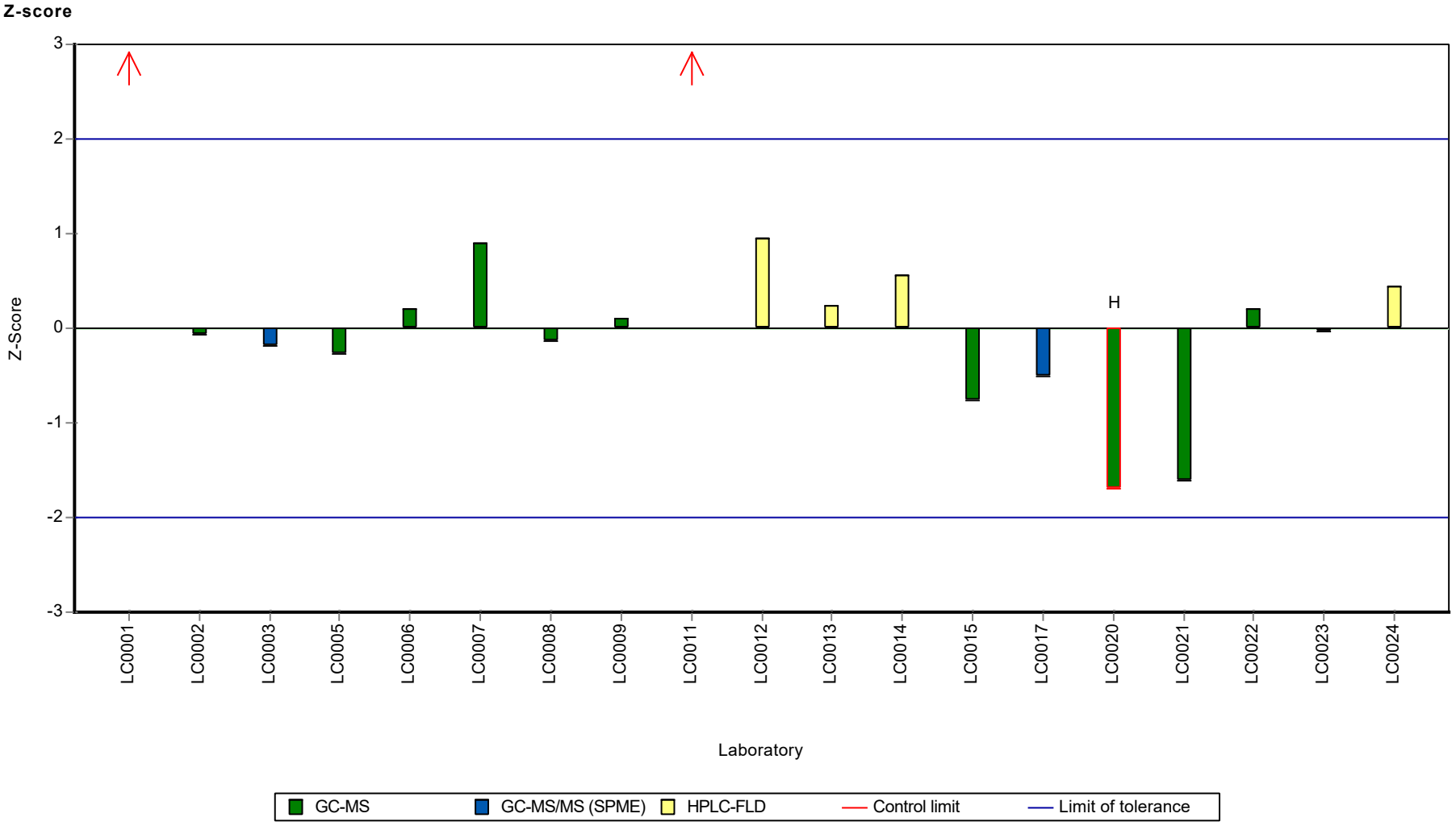
Sample: P25A, Parameter: Dibenzo[a,h]anthracene

Recovery rate



Parameter oriented report Polycyclic Aromatic Hydrocarbons P25

Sample: P25A, Parameter: Dibenzo[a,h]anthracene



Parameter oriented report

P25 B

Dibenzo[a,h]anthracene

Unit	ng/l
Assigned value ± U (k=2)	106 ± 18.7
Criterion	41.4 (39 %)
Minimum - Maximum	0.004 - 164
Control test value ± U (k=2)	160.0 ± 56.1

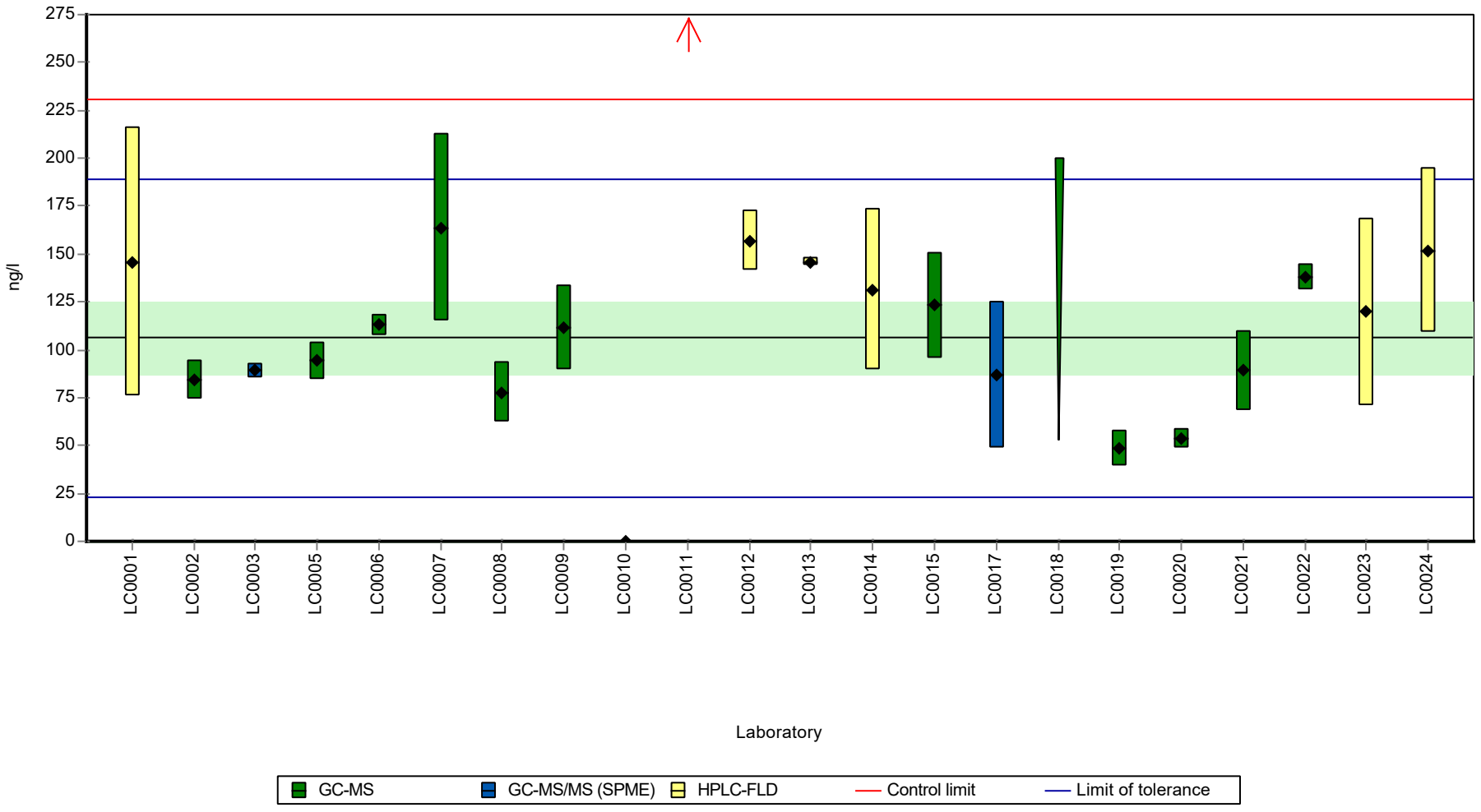
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	146	70.5	137	0.96	
LC0002	84.02	10.1	79.1	-0.54	
LC0003	89	4	83.8	-0.41	
LC0004	-	-	-	-	
LC0005	94.1	9.41	88.6	-0.29	
LC0006	113	5.7	106	0.16	
LC0007	163.65	49.09	154	1.39	
LC0008	77.8	15.6	73.3	-0.69	
LC0009	111.35	22.27	105	0.12	
LC0010	0.004	0.001	0	-2.56	
LC0011	310	62	292	4.92	H
LC0012	157	16	148	1.23	
LC0013	146	2.08	137	0.96	
LC0014	131.3	42	124	0.61	
LC0015	123.2	27.9	116	0.41	
LC0016	-	-	-	-	
LC0017	86.65	38.13	81.6	-0.47	
LC0018	< 200 (LOQ)	-	-	-	
LC0019	48.5	9.7	45.7	-1.39	
LC0020	53.43	5.279	50.3	-1.27	
LC0021	89	21	83.8	-0.41	
LC0022	137.8	6.88	130	0.76	
LC0023	120	49	113	0.33	
LC0024	151.9	43.3	143	1.1	

Characteristics of parameter

	all results	w ithout outliers	Unit
Mean ± CI (99%)	116 ± 39.5	106 ± 28	ng/l
Minimum	0.004	0.004	ng/l
Maximum	310	164	ng/l
Standard deviation	60.3	41.8	ng/l
rel. standard deviation	52	39.3	%
n	21	20	-

Graphical presentation of results

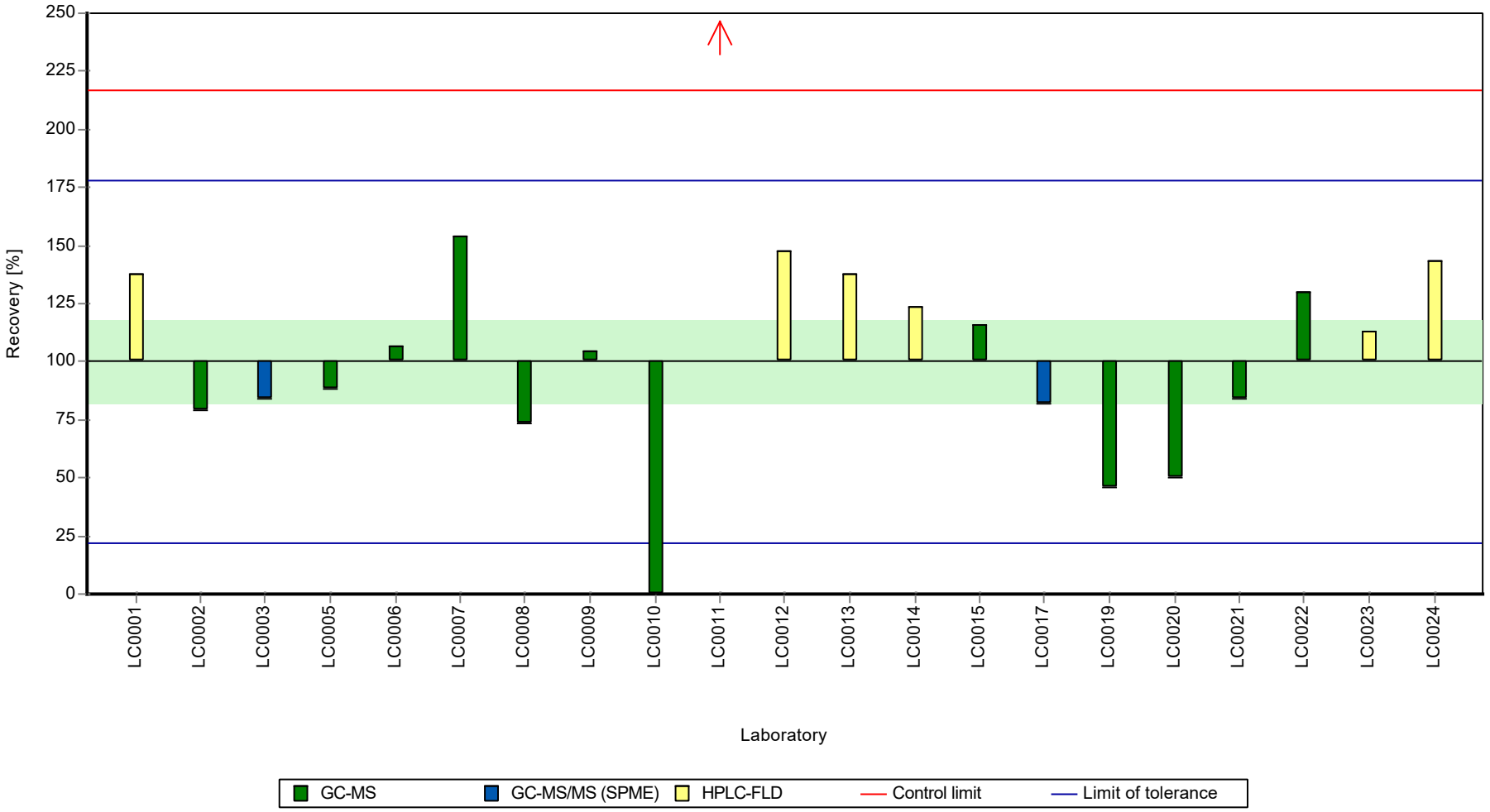
Results



Parameter oriented report Polycyclic Aromatic Hydrocarbons P25

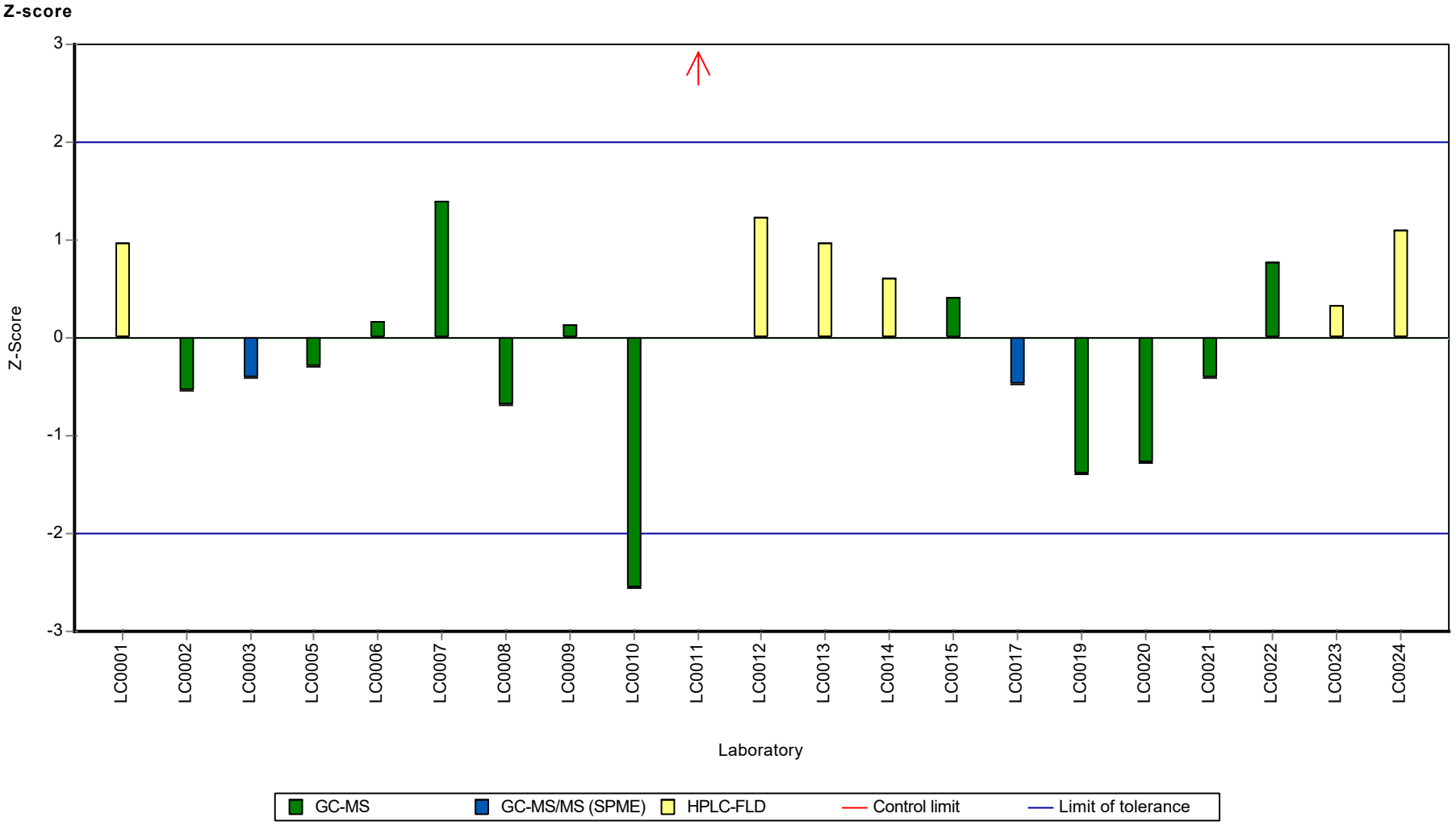
Sample: P25B, Parameter: Dibenzo[a,h]anthracene

Recovery rate



Parameter oriented report Polycyclic Aromatic Hydrocarbons P25

Sample: P25B, Parameter: Dibenzo[a,h]anthracene



Parameter oriented report

P25 A

Fluoranthene

Unit	ng/l
Assigned value ± U (k=2)	23.1 ± 0.916
Criterion	4.16 (18 %)
Minimum - Maximum	19.5 - 26.5
Control test value ± U (k=2)	24.0 ± 6

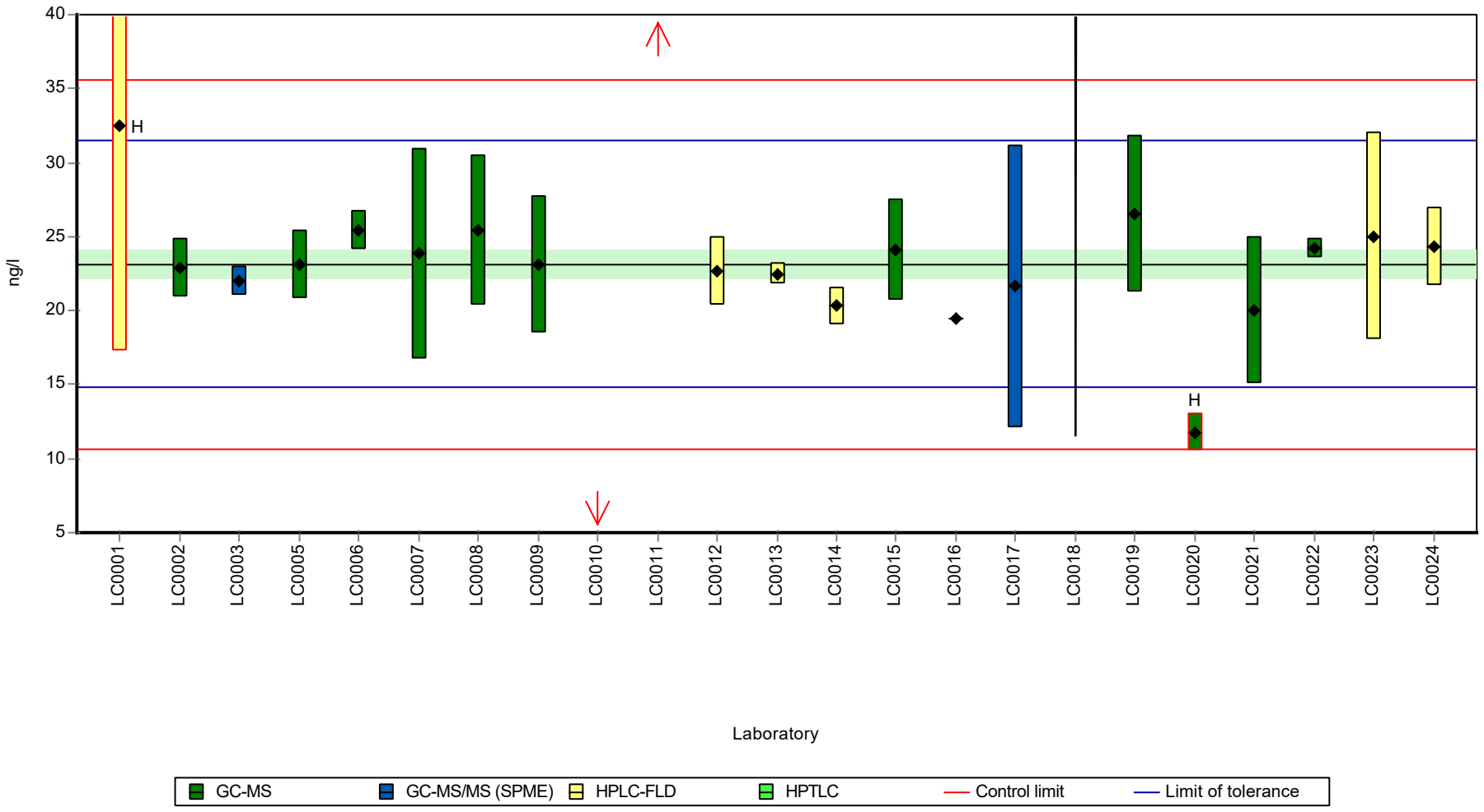
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	32.5	15.2	140	2.25	H
LC0002	22.85	2	98.8	-0.07	
LC0003	22	1	95.1	-0.27	
LC0004	-	-	-	-	
LC0005	23.1	2.31	99.8	-0.01	
LC0006	25.4	1.3	110	0.54	
LC0007	23.85	7.15	103	0.17	
LC0008	25.4	5.08	110	0.54	
LC0009	23.12	4.62	99.9	0.00	
LC0010	0.005	0.001	0.0	-5.55	H
LC0011	58.7	11.7	254	8.54	H
LC0012	22.7	2.3	98.1	-0.11	
LC0013	22.5	0.73	97.2	-0.15	
LC0014	20.31	1.3	87.8	-0.68	
LC0015	24.1	3.4	104	0.23	
LC0016	19.5	0.06	84.3	-0.87	
LC0017	21.65	9.53	93.6	-0.36	
LC0018	< 200 (LOQ)	-	-	-	
LC0019	26.5	5.3	115	0.81	
LC0020	11.78	1.303	50.9	-2.73	H
LC0021	20	5	86.4	-0.75	
LC0022	24.21	0.7	105	0.26	
LC0023	25	7	108	0.45	
LC0024	24.29	2.67	105	0.28	

Characteristics of parameter

	all results	w ithout outliers	Unit
Mean ± CI (99%)	23.6 ± 6.36	23.1 ± 1.37	ng/l
Minimum	0.005	19.5	ng/l
Maximum	58.7	26.5	ng/l
Standard deviation	9.94	1.94	ng/l
rel. standard deviation	42.1	8.4	%
n	22	18	-

Graphical presentation of results

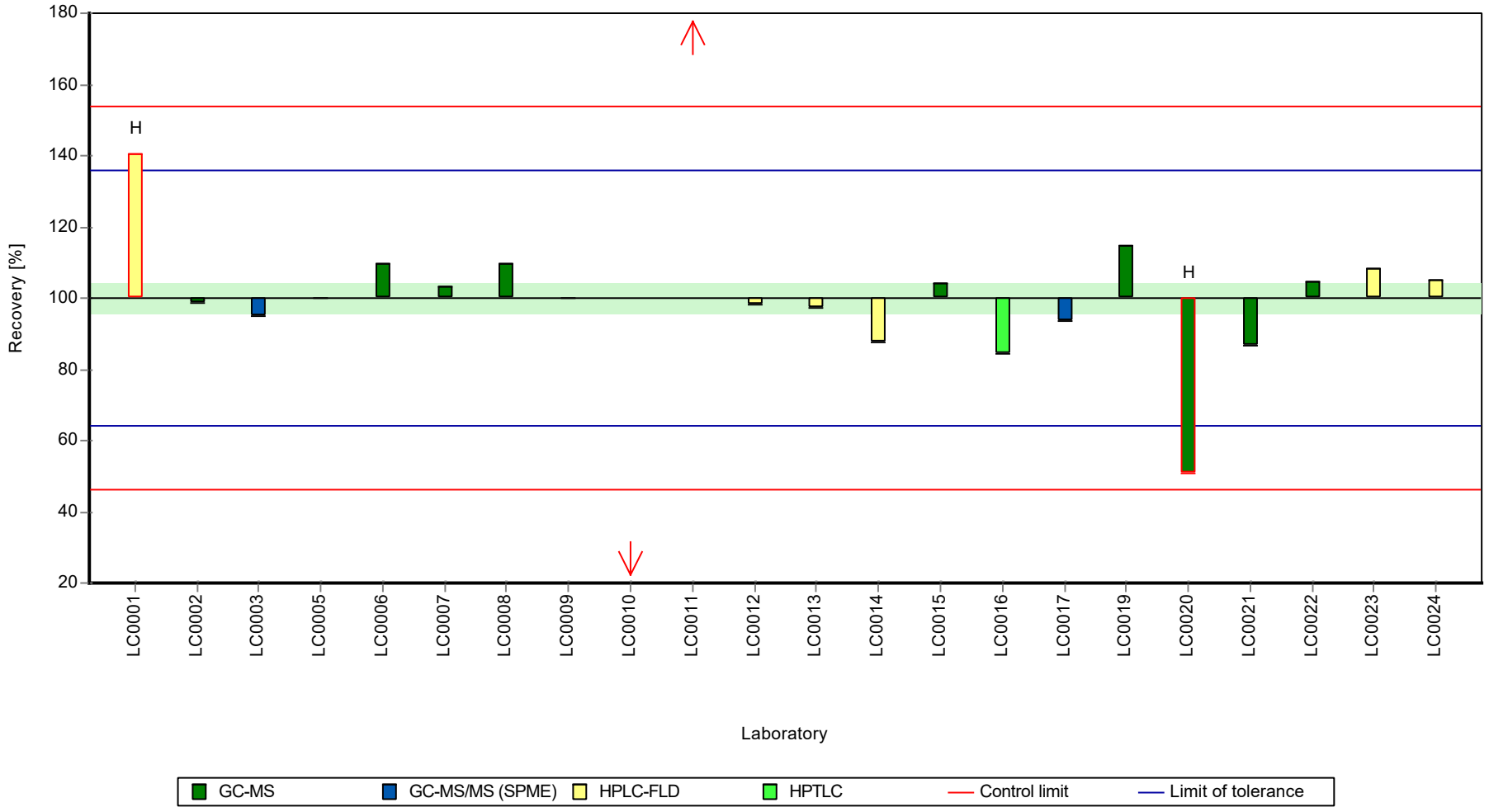
Results



Parameter oriented report Polycyclic Aromatic Hydrocarbons P25

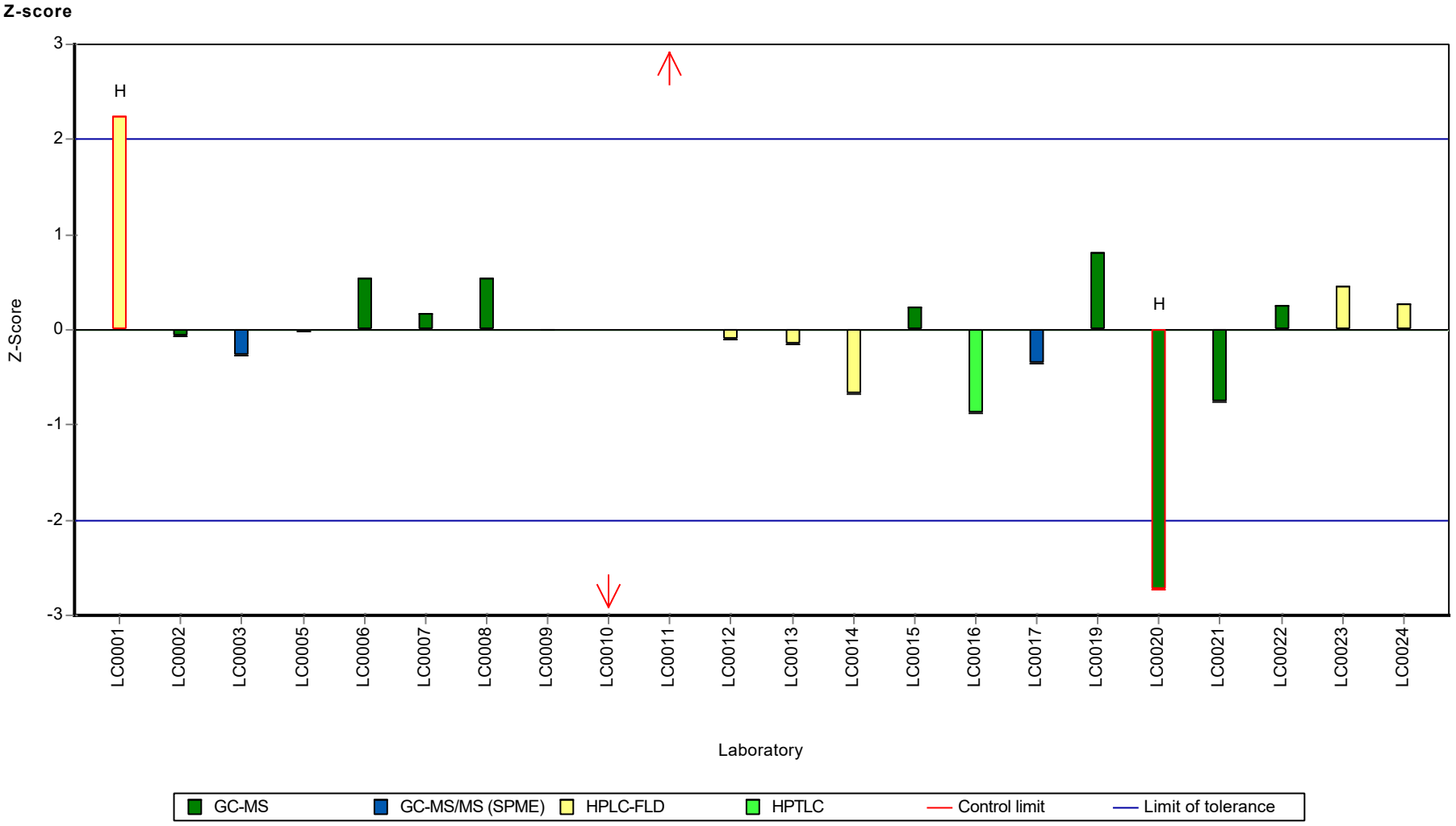
Sample: P25A, Parameter: Fluoranthene

Recovery rate



Parameter oriented report Polycyclic Aromatic Hydrocarbons P25

Sample: P25A, Parameter: Fluoranthene



Parameter oriented report

P25 B

Fluoranthene

Unit	ng/l
Assigned value ± U (k=2)	153 ± 7.28
Criterion	27.6 (18 %)
Minimum - Maximum	117 - 190
Control test value ± U (k=2)	167.0 ± 41.8

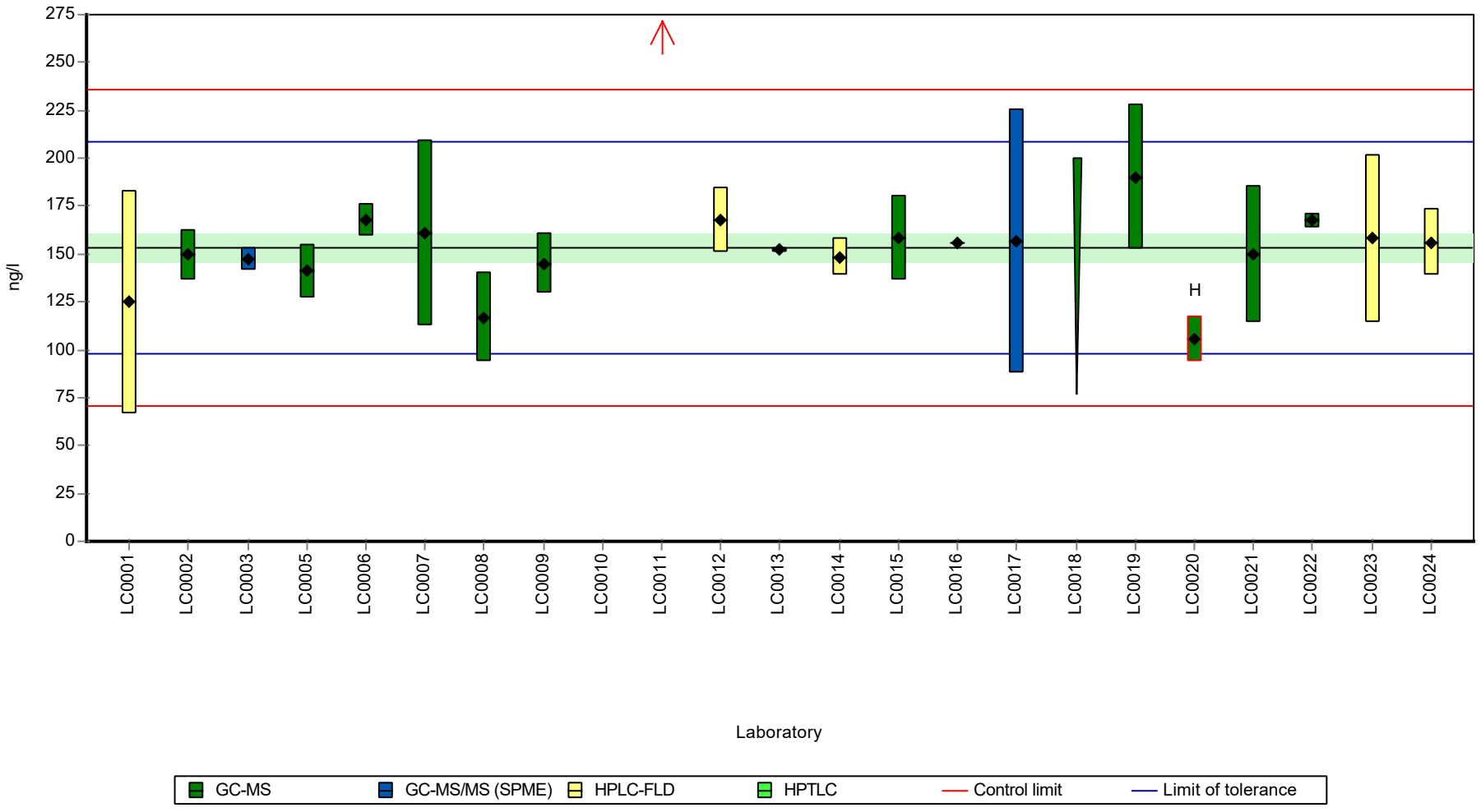
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	125	58.4	81.5	-1.03	
LC0002	149.49	13.3	97.5	-0.14	
LC0003	147	6	95.9	-0.23	
LC0004	-	-	-	-	
LC0005	141	14.1	92	-0.45	
LC0006	168	8.4	110	0.53	
LC0007	160.96	48.29	105	0.28	
LC0008	117	23.4	76.3	-1.32	
LC0009	145	15.74	94.6	-0.3	
LC0010	< 0.003 (LOQ)	-	-	-	FN
LC0011	411	82	268	9.34	H
LC0012	168	17	110	0.53	
LC0013	152	1.55	99.1	-0.05	
LC0014	148.5	10	96.8	-0.18	
LC0015	158.13	22.1	103	0.17	
LC0016	155.5	0.51	101	0.08	
LC0017	156.4	68.8	102	0.11	
LC0018	< 200 (LOQ)	-	-	-	
LC0019	190	38	124	1.33	
LC0020	105.5	11.668	68.8	-1.73	H
LC0021	150	36	97.8	-0.12	
LC0022	167.3	3.51	109	0.51	
LC0023	158	44	103	0.17	
LC0024	156.1	17.2	102	0.1	

Characteristics of parameter

	all results	w ithout outliers	Unit
Mean ± CI (99%)	163 ± 39	153 ± 10.9	ng/l
Minimum	106	117	ng/l
Maximum	411	190	ng/l
Standard deviation	59.6	15.9	ng/l
rel. standard deviation	36.5	10.3	%
n	21	19	-

Graphical presentation of results

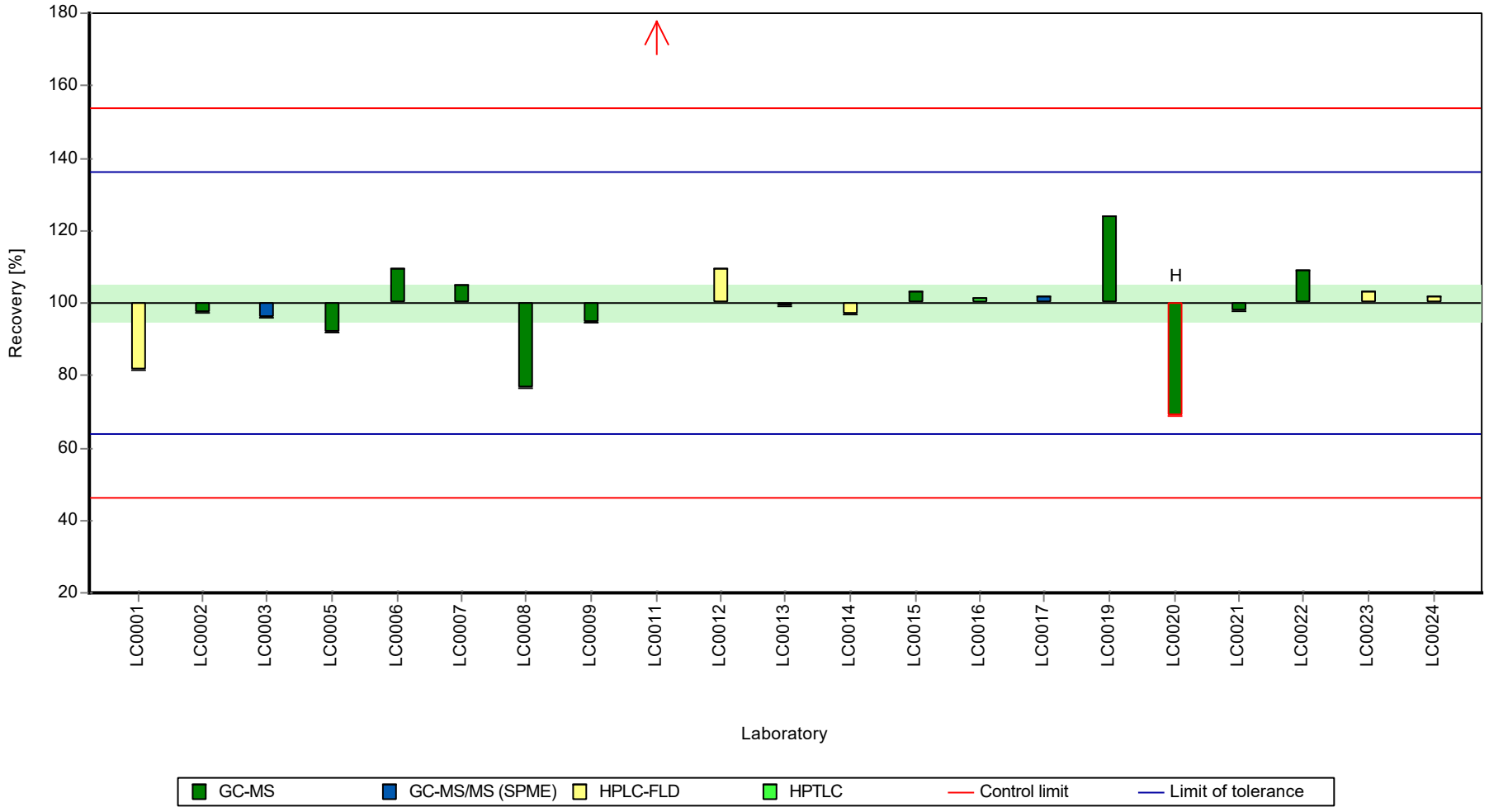
Results



Parameter oriented report Polycyclic Aromatic Hydrocarbons P25

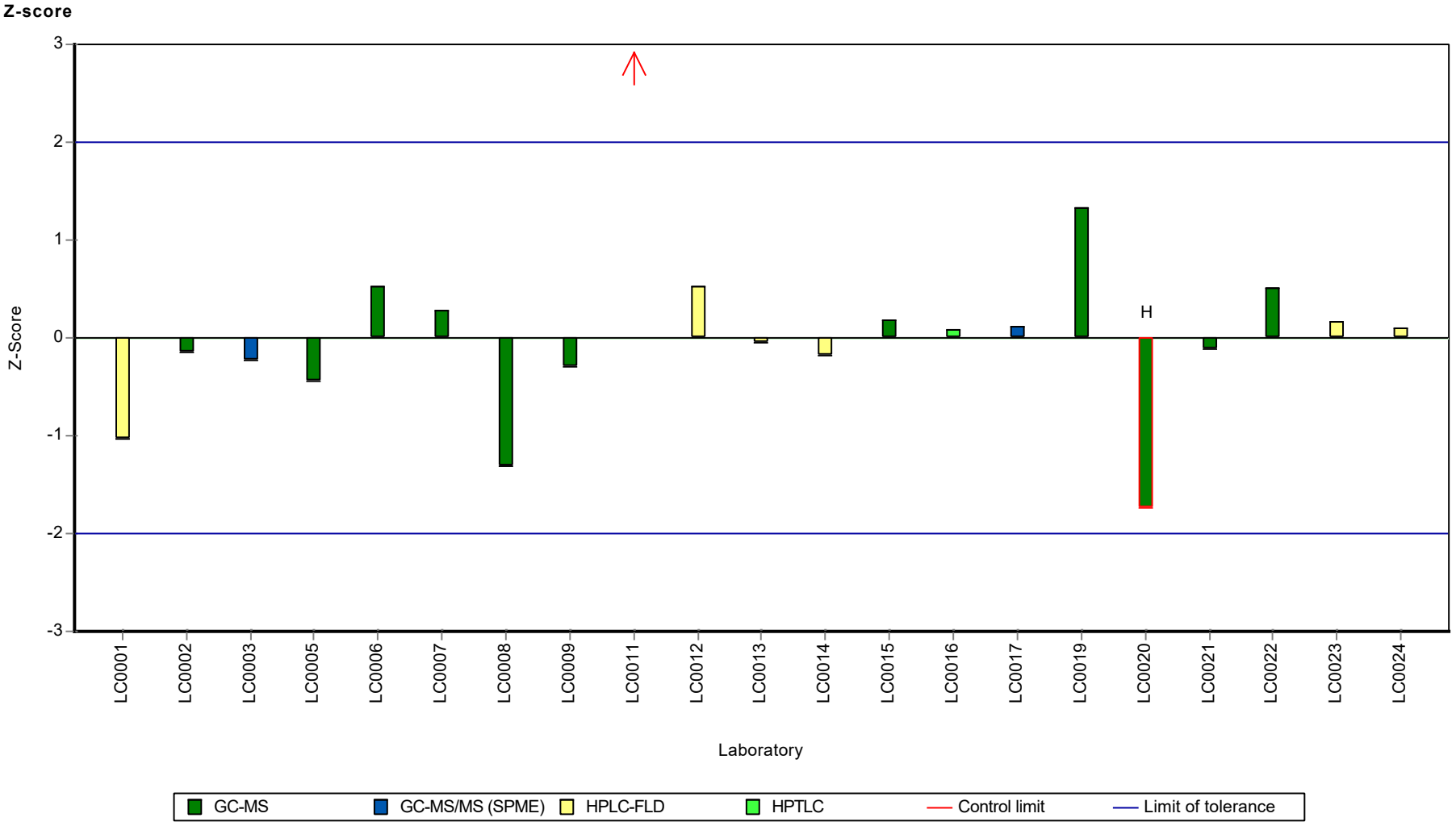
Sample: P25B, Parameter: Fluoranthene

Recovery rate



Parameter oriented report Polycyclic Aromatic Hydrocarbons P25

Sample: P25B, Parameter: Fluoranthene



Parameter oriented report

P25 A

Fluorene

Unit	ng/l
Assigned value ± U (k=2)	25.6 ± 1.41
Criterion	3.58 (14 %)
Minimum - Maximum	17.5 - 29.5
Control test value ± U (k=2)	30.1 ± 10.5

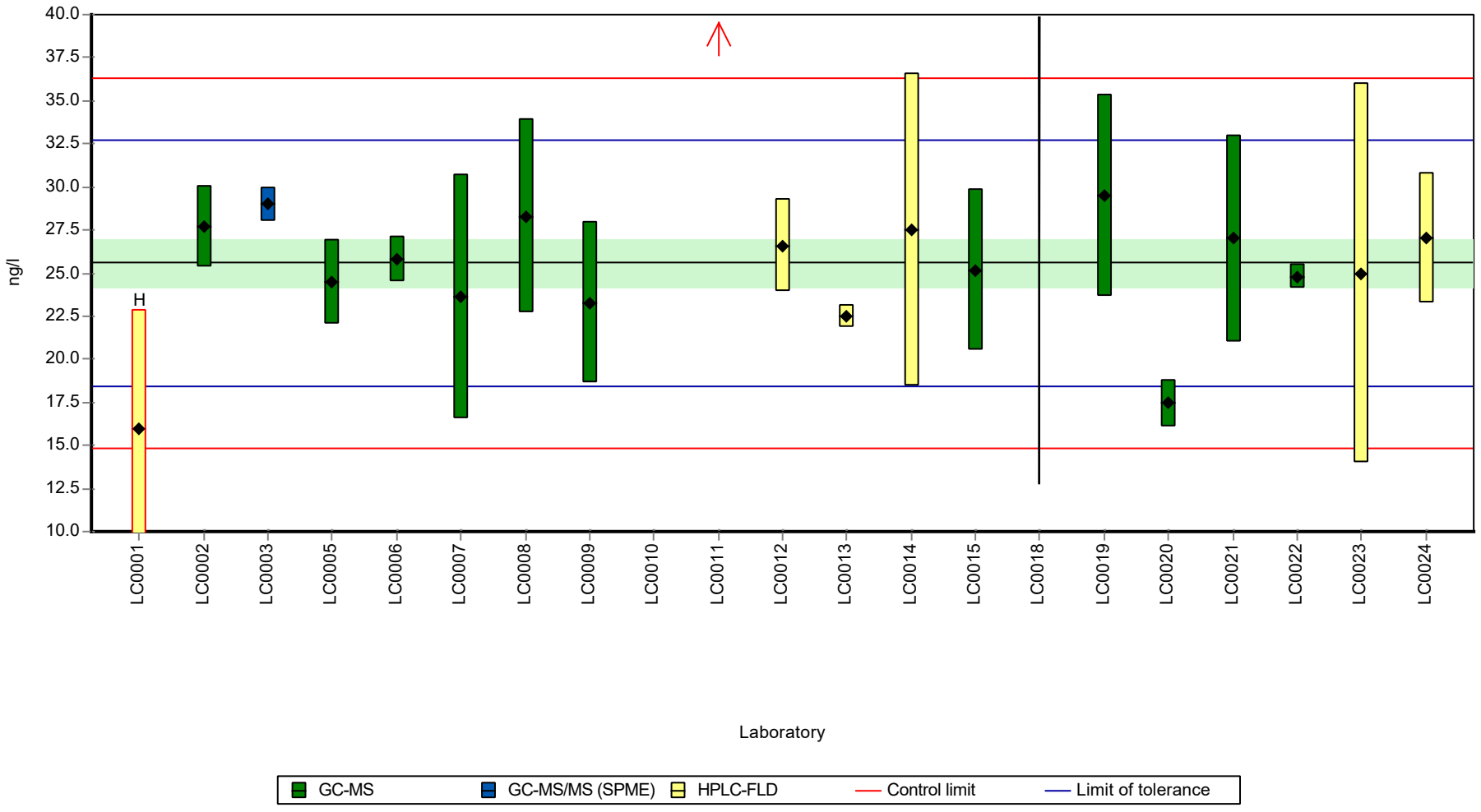
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	16	6.83	62.6	-2.67	H
LC0002	27.71	2.4	108	0.6	
LC0003	29	1	113	0.96	
LC0004	-	-	-	-	
LC0005	24.5	2.45	95.8	-0.3	
LC0006	25.8	1.3	101	0.06	
LC0007	23.63	7.09	92.4	-0.54	
LC0008	28.3	5.66	111	0.76	
LC0009	23.29	4.66	91.1	-0.64	
LC0010	< 0.003 (LOQ)	-	-	-	FN
LC0011	68.4	13.7	267	11.96	H
LC0012	26.6	2.7	104	0.29	
LC0013	22.5	0.67	88	-0.86	
LC0014	27.48	9.1	107	0.53	
LC0015	25.18	4.7	98.5	-0.11	
LC0016	-	-	-	-	
LC0017	-	-	-	-	
LC0018	< 200 (LOQ)	-	-	-	
LC0019	29.5	5.9	115	1.1	
LC0020	17.45	1.375	68.2	-2.27	
LC0021	27	6	106	0.4	
LC0022	24.81	0.71	97	-0.21	
LC0023	25	11	97.8	-0.16	
LC0024	27.01	3.78	106	0.4	

Characteristics of parameter

	all results	w ithout outliers	Unit
Mean ± CI (99%)	27.3 ± 7.26	25.6 ± 2.11	ng/l
Minimum	16	17.5	ng/l
Maximum	68.4	29.5	ng/l
Standard deviation	10.5	2.9	ng/l
rel. standard deviation	38.6	11.3	%
n	19	17	-

Graphical presentation of results

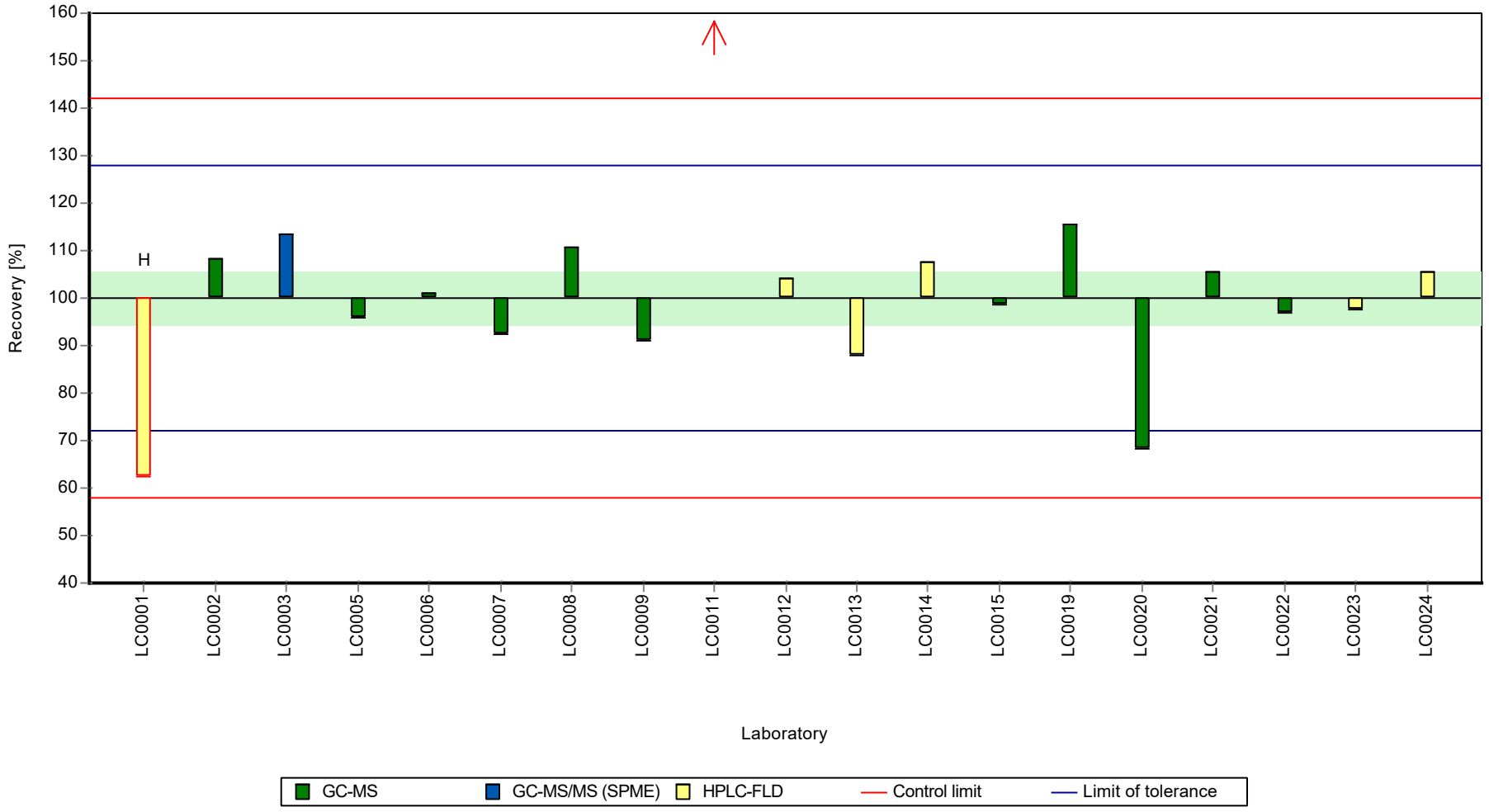
Results



Parameter oriented report Polycyclic Aromatic Hydrocarbons P25

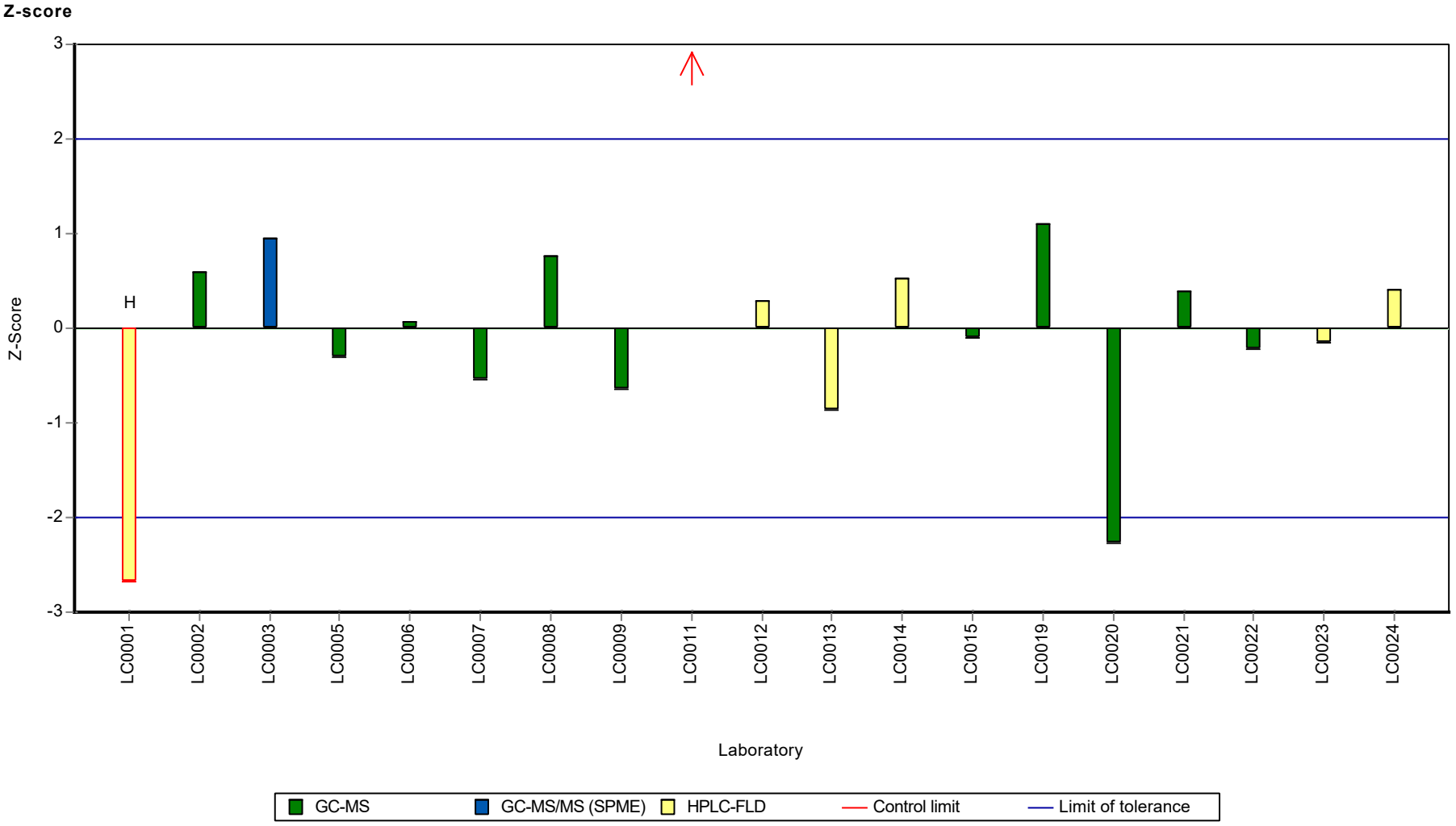
Sample: P25A, Parameter: Fluorene

Recovery rate



Parameter oriented report Polycyclic Aromatic Hydrocarbons P25

Sample: P25A, Parameter: Fluorene



Parameter oriented report

P25 B

Fluorene

Unit	ng/l
Assigned value ± U (k=2)	157 ± 11.3
Criterion	21.9 (14 %)
Minimum - Maximum	111 - 202
Control test value ± U (k=2)	198.0 ± 69.4

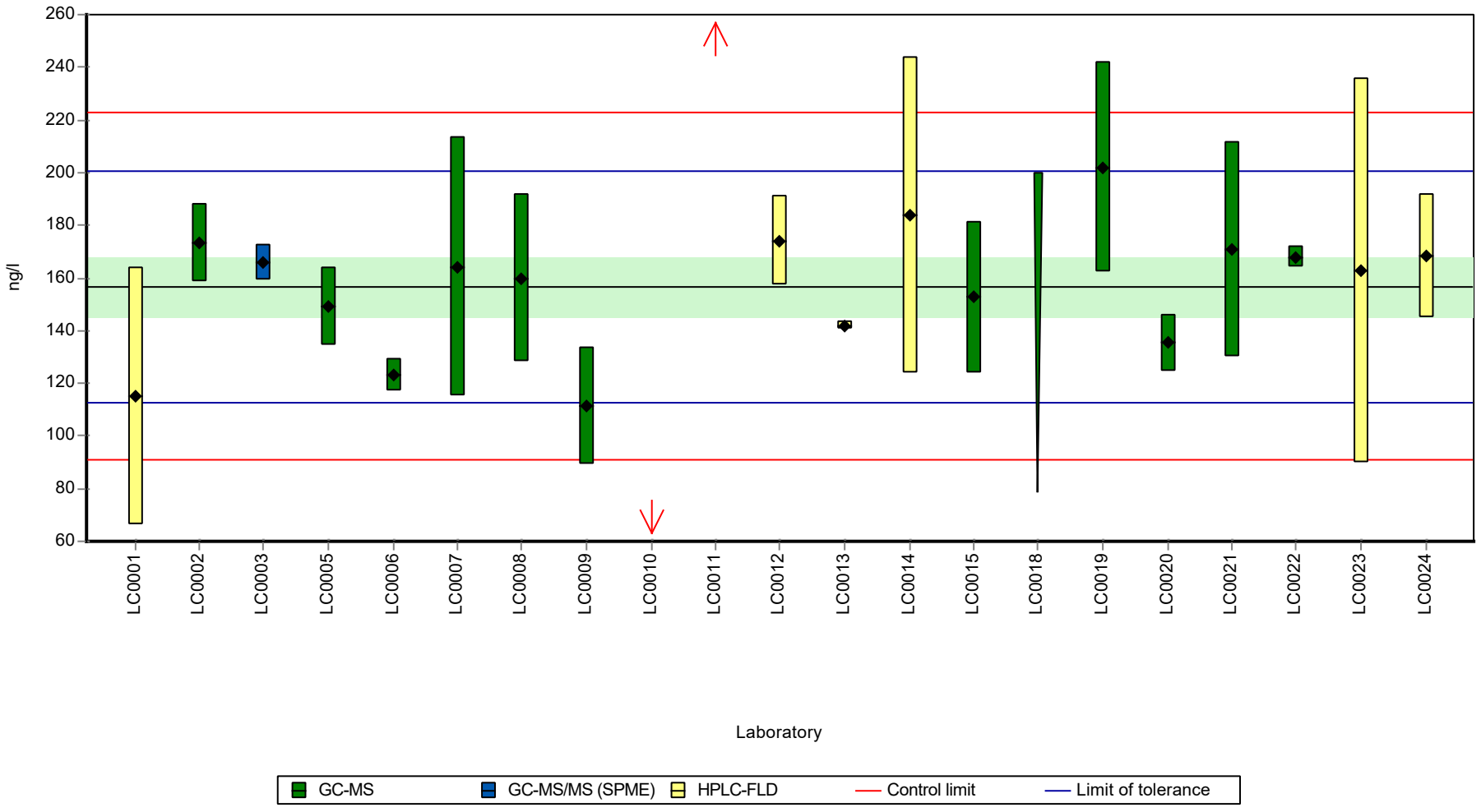
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	115	49.1	73.4	-1.9	
LC0002	173.35	14.7	111	0.76	
LC0003	166	7	106	0.42	
LC0004	-	-	-	-	
LC0005	149	14.9	95.1	-0.35	
LC0006	123	6.2	78.5	-1.54	
LC0007	164.08	49.22	105	0.33	
LC0008	160	32	102	0.15	
LC0009	111.35	22.27	71	-2.07	
LC0010	0.005	0.001	0	-7.14	H
LC0011	467	93	298	14.14	H
LC0012	174	17	111	0.79	
LC0013	142	1.39	90.6	-0.67	
LC0014	183.6	60	117	1.22	
LC0015	152.6	28.6	97.4	-0.19	
LC0016	-	-	-	-	
LC0017	-	-	-	-	
LC0018	< 200 (LOQ)	-	-	-	
LC0019	202	40	129	2.06	
LC0020	135.3	10.659	86.3	-0.98	
LC0021	171	41	109	0.65	
LC0022	167.9	4.15	107	0.51	
LC0023	163	73	104	0.29	
LC0024	168.1	23.5	107	0.52	

Characteristics of parameter

	all results	w ithout outliers	Unit
Mean ± Cl (99%)	164 ± 55.3	157 ± 16.9	ng/l
Minimum	0.005	111	ng/l
Maximum	467	202	ng/l
Standard deviation	82.5	23.9	ng/l
rel. standard deviation	50.2	15.2	%
n	20	18	-

Graphical presentation of results

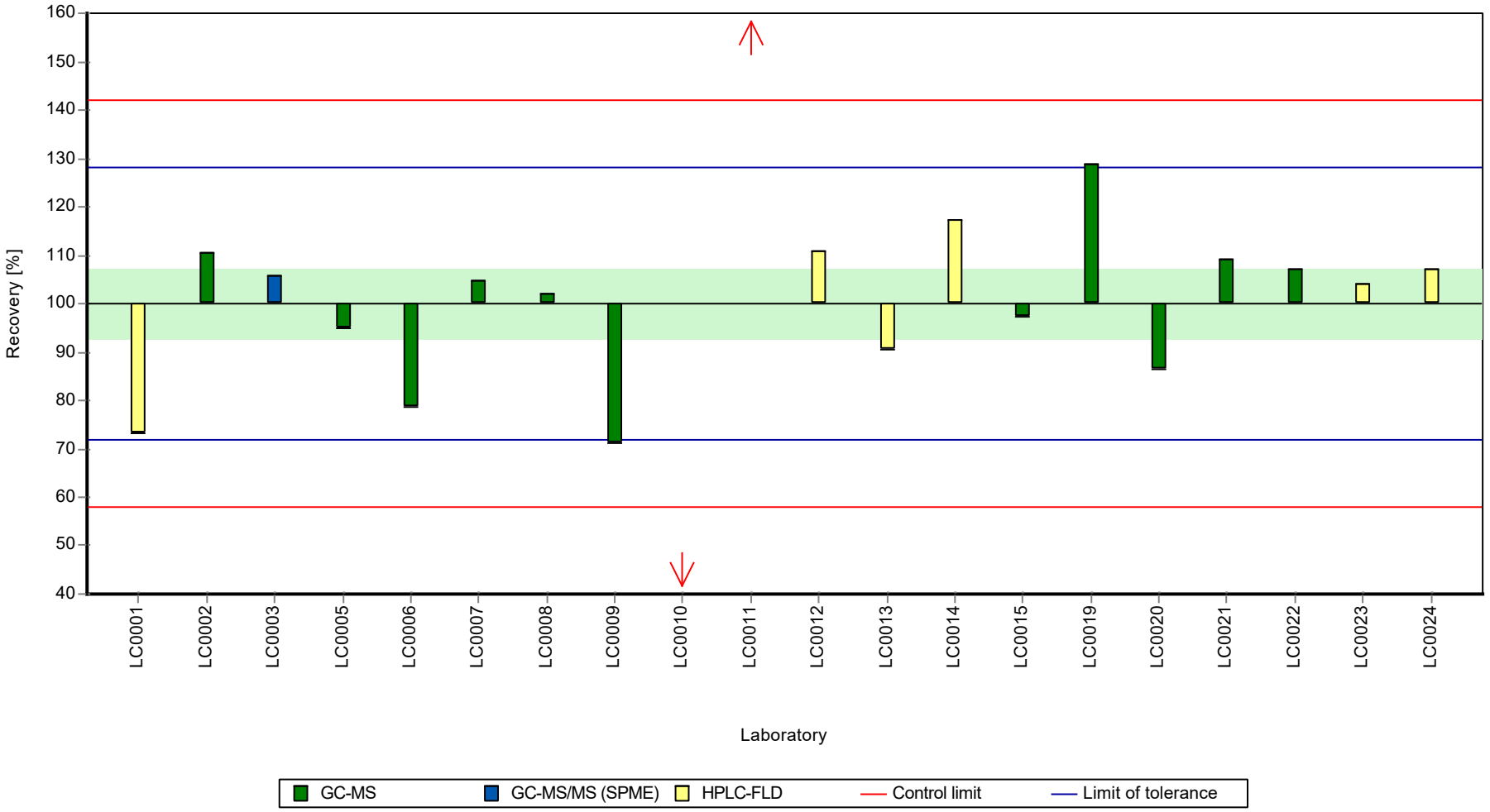
Results



Parameter oriented report Polycyclic Aromatic Hydrocarbons P25

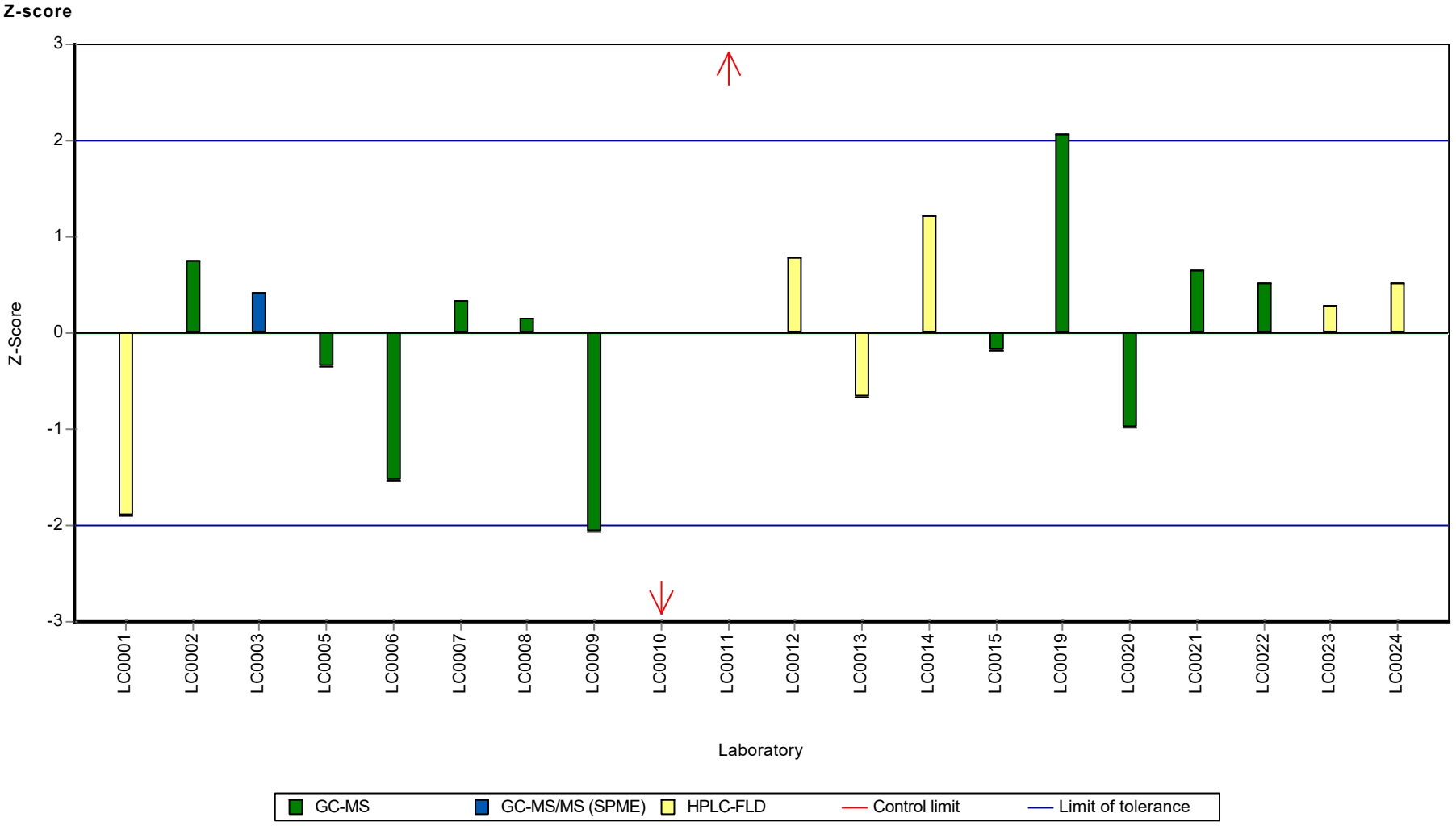
Sample: P25B, Parameter: Fluorene

Recovery rate



Parameter oriented report Polycyclic Aromatic Hydrocarbons P25

Sample: P25B, Parameter: Fluorene



Parameter oriented report

P25 A

Indeno[1,2,3-cd]pyrene

Unit	ng/l
Assigned value ± U (k=2)	21.4 ± 2.54
Criterion	5.35 (25 %)
Minimum - Maximum	10.5 - 29.8
Control test value ± U (k=2)	27.3 ± 9.55

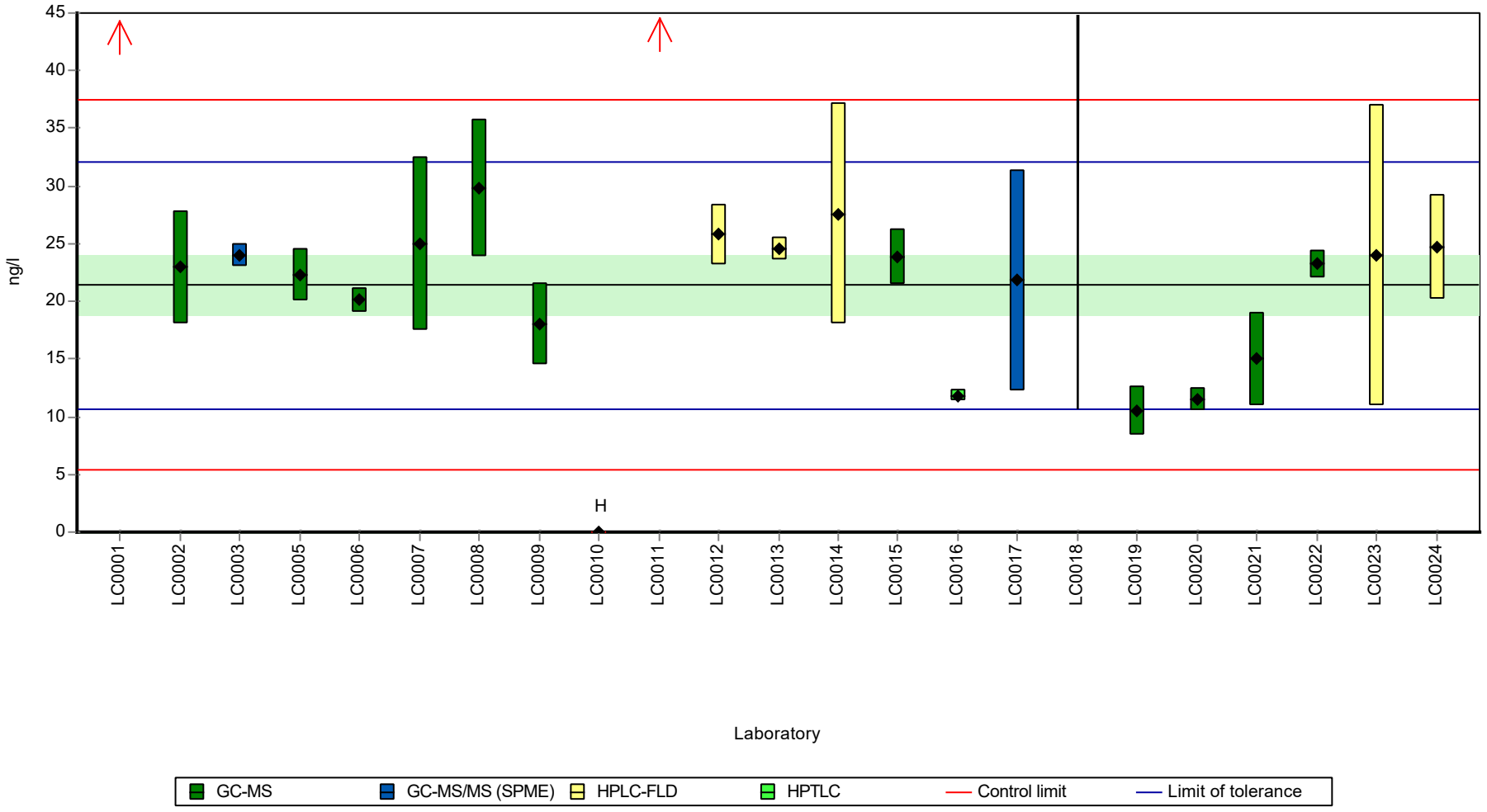
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	168	107	785	27.4	H
LC0002	22.94	4.9	107	0.29	
LC0003	24	1	112	0.49	
LC0004	-	-	-	-	
LC0005	22.3	2.23	104	0.17	
LC0006	20.1	1.1	93.9	-0.24	
LC0007	25.03	7.51	117	0.68	
LC0008	29.8	5.96	139	1.57	
LC0009	18.02	3.6	84.2	-0.63	
LC0010	0.009	0.001	0.0	-4	H
LC0011	51.6	10.3	241	5.64	H
LC0012	25.8	2.6	121	0.82	
LC0013	24.6	0.99	115	0.6	
LC0014	27.56	9.6	129	1.15	
LC0015	23.88	2.4	112	0.46	
LC0016	11.8	0.5	55.1	-1.79	
LC0017	21.8	9.59	102	0.07	
LC0018	< 200 (LOQ)	-	-	-	
LC0019	10.5	2.1	49.1	-2.04	
LC0020	11.54	0.979	53.9	-1.84	
LC0021	15	4	70.1	-1.2	
LC0022	23.22	1.15	109	0.34	
LC0023	24	13	112	0.49	
LC0024	24.71	4.57	115	0.62	

Characteristics of parameter

	all results	w ithout outliers	Unit
Mean ± CI (99%)	28.5 ± 20.8	21.4 ± 3.81	ng/l
Minimum	0.009	10.5	ng/l
Maximum	168	29.8	ng/l
Standard deviation	32.6	5.53	ng/l
rel. standard deviation	115	25.9	%
n	22	19	-

Graphical presentation of results

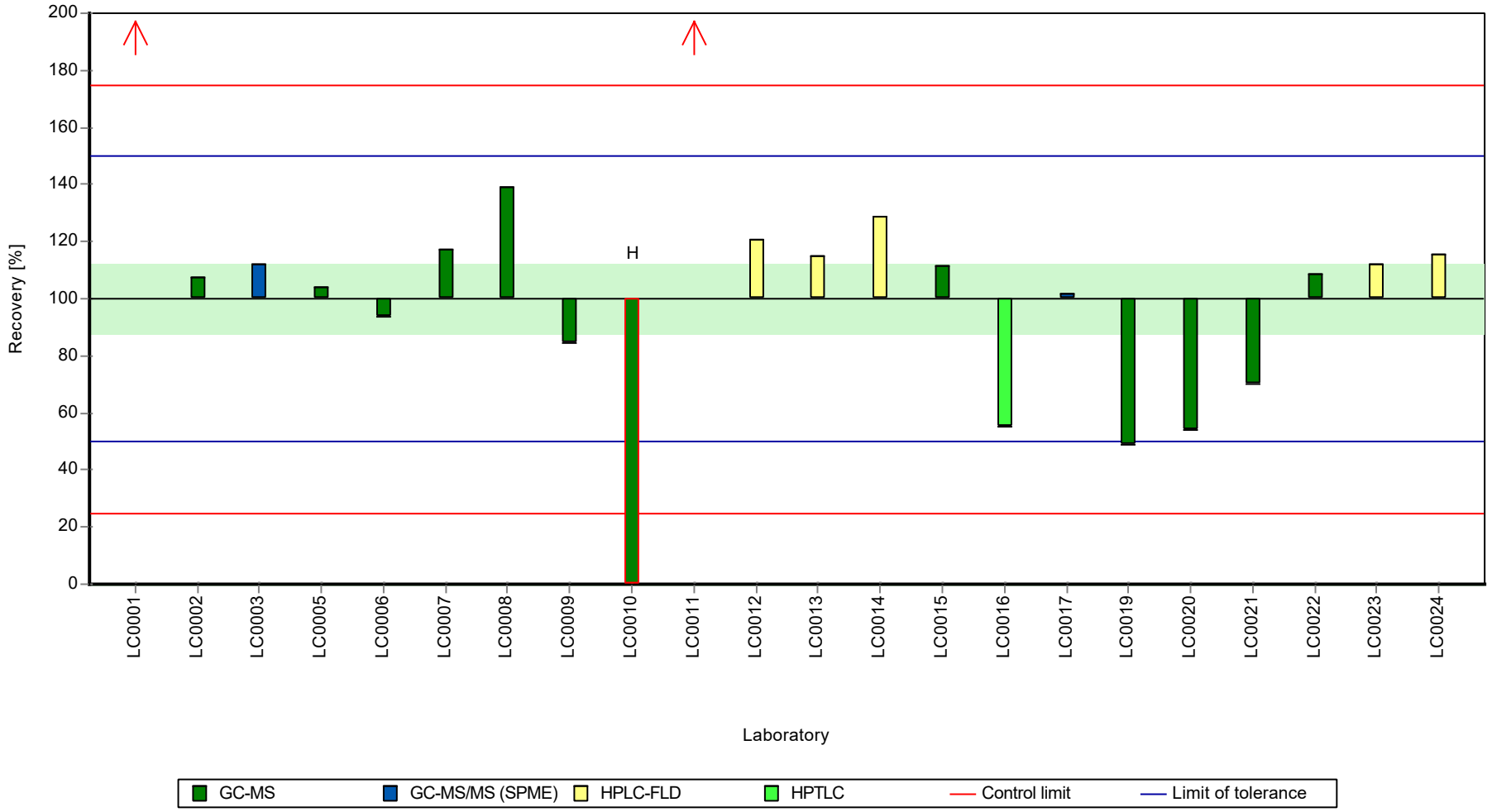
Results



Parameter oriented report Polycyclic Aromatic Hydrocarbons P25

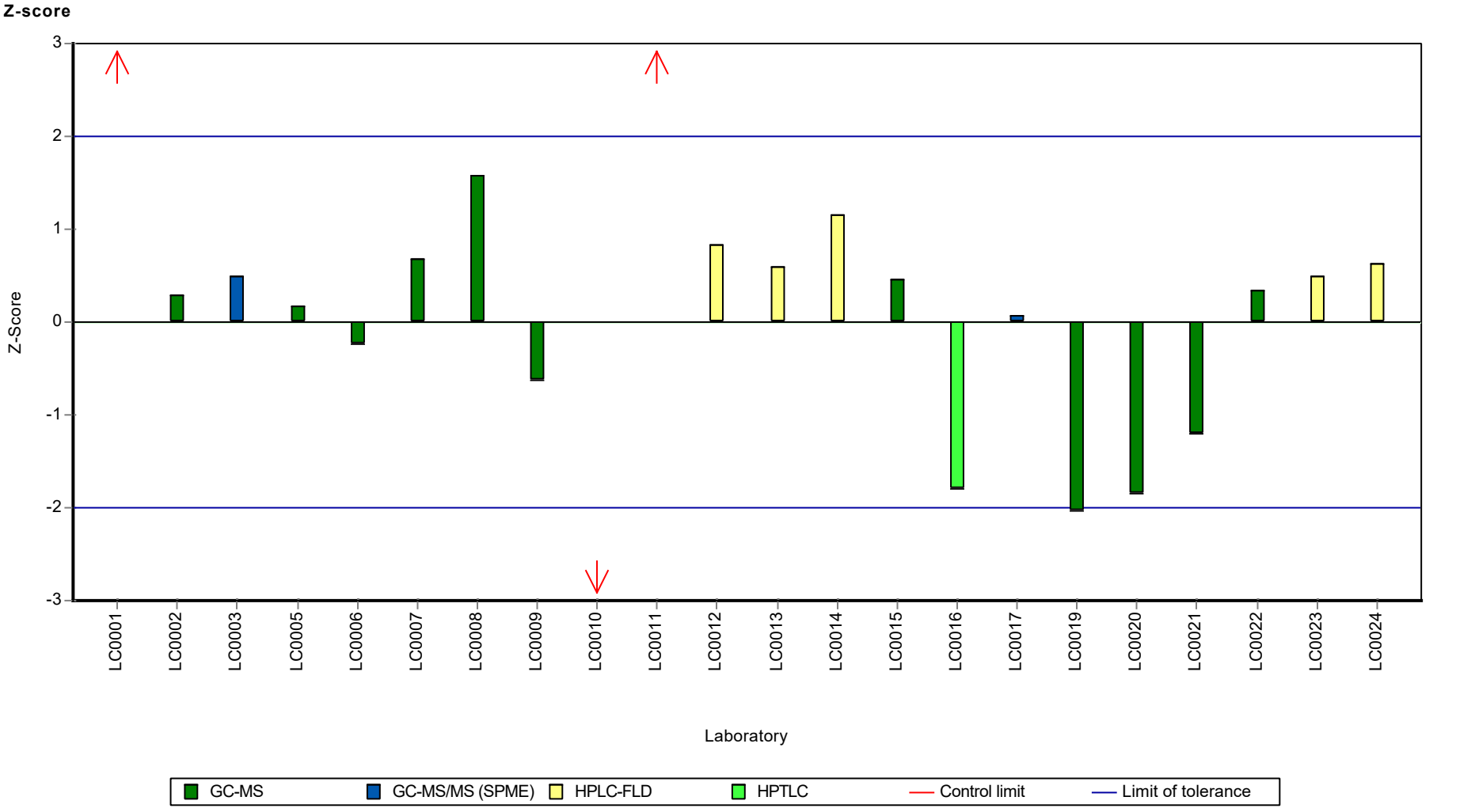
Sample: P25A, Parameter: Indeno[1,2,3-cd]pyrene

Recovery rate



Parameter oriented report Polycyclic Aromatic Hydrocarbons P25

Sample: P25A, Parameter: Indeno[1,2,3-cd]pyrene



Parameter oriented report

P25 B

Indeno[1,2,3-cd]pyrene

Unit	ng/l
Assigned value ± U (k=2)	140 ± 15.1
Criterion	35 (25 %)
Minimum - Maximum	83.7 - 196
Control test value ± U (k=2)	189.0 ± 66.2

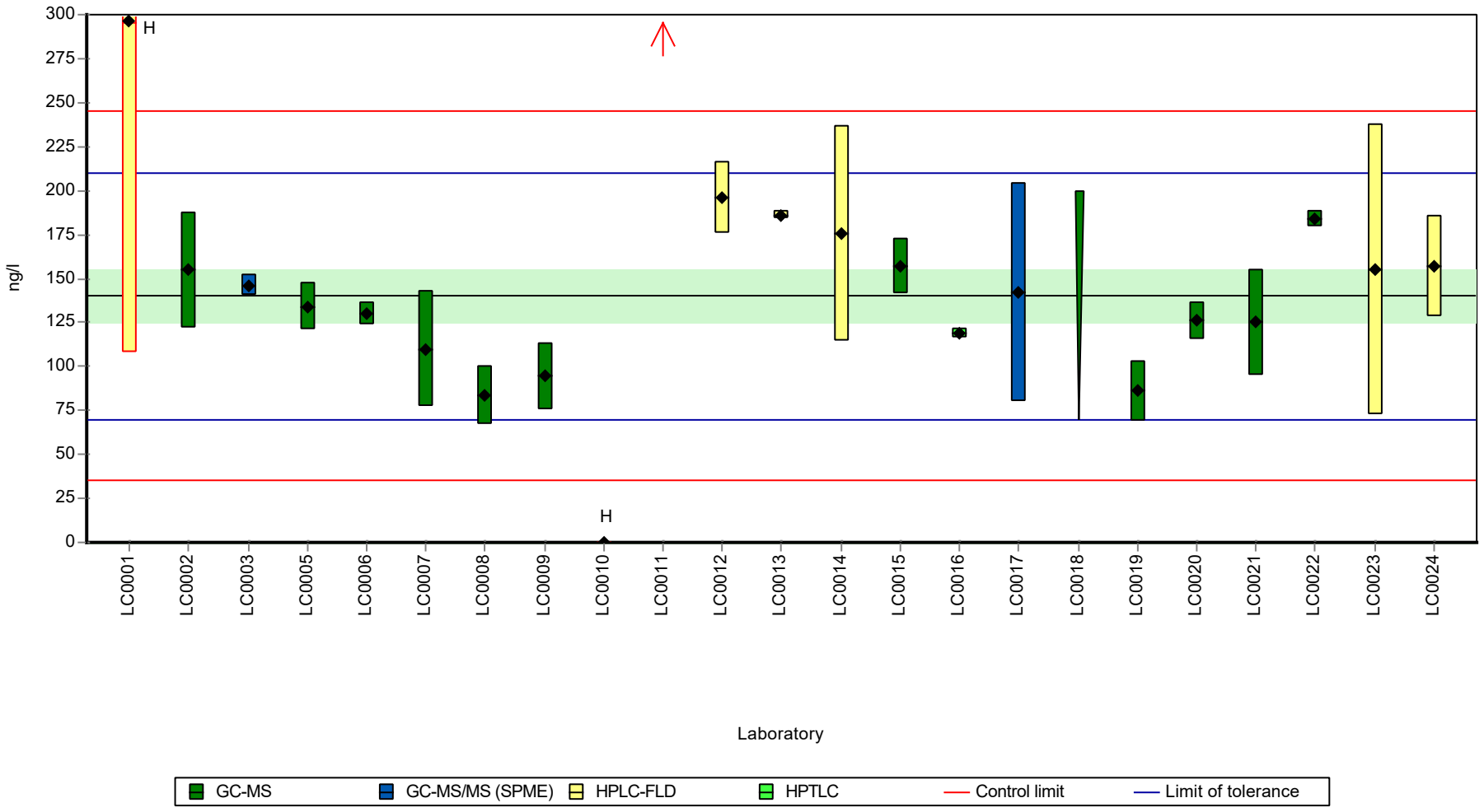
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	295	187	211	4.42	H
LC0002	154.77	33.3	110	0.42	
LC0003	146	6	104	0.17	
LC0004	-	-	-	-	
LC0005	134	13.4	95.7	-0.17	
LC0006	130	6.5	92.8	-0.29	
LC0007	110.05	33.01	78.6	-0.86	
LC0008	83.7	16.7	59.8	-1.61	
LC0009	94.34	18.87	67.3	-1.31	
LC0010	0.008	0.001	0	-4	H
LC0011	417	83	298	7.91	H
LC0012	196	20	140	1.6	
LC0013	186	2.23	133	1.31	
LC0014	175.7	61	125	1.02	
LC0015	157.2	15.9	112	0.49	
LC0016	119.1	2.72	85	-0.6	
LC0017	142	62.5	101	0.05	
LC0018	< 200 (LOQ)	-	-	-	
LC0019	86	17	61.4	-1.54	
LC0020	126	10.701	89.9	-0.4	
LC0021	125	30	89.2	-0.43	
LC0022	183.7	4.5	131	1.25	
LC0023	155	83	111	0.43	
LC0024	157	29.1	112	0.48	

Characteristics of parameter

	all results	w ithout outliers	Unit
Mean ± Cl (99%)	153 ± 51.5	140 ± 22.7	ng/l
Minimum	0.008	83.7	ng/l
Maximum	417	196	ng/l
Standard deviation	80.5	33	ng/l
rel. standard deviation	52.5	23.5	%
n	22	19	-

Graphical presentation of results

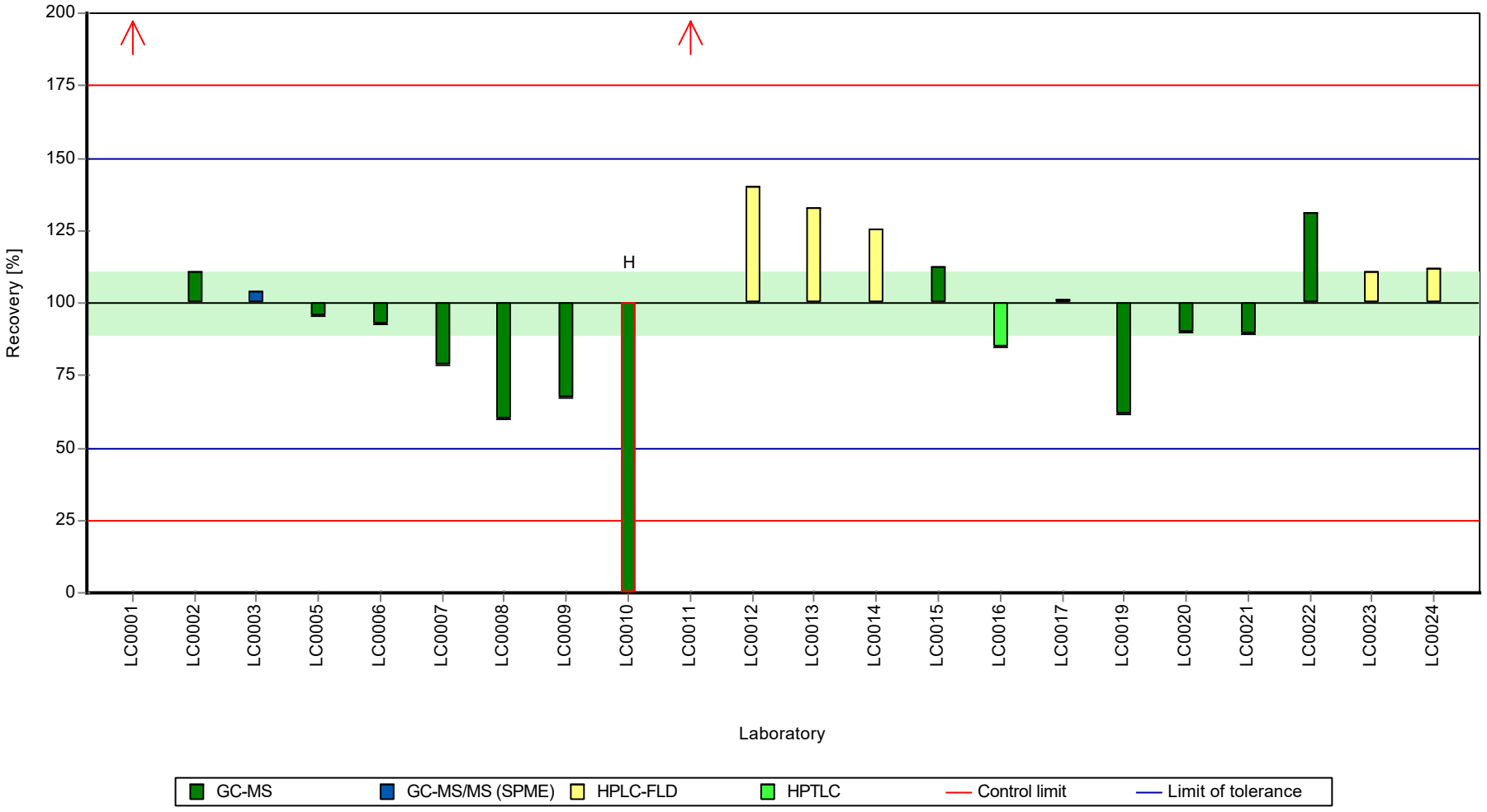
Results



Parameter oriented report Polycyclic Aromatic Hydrocarbons P25

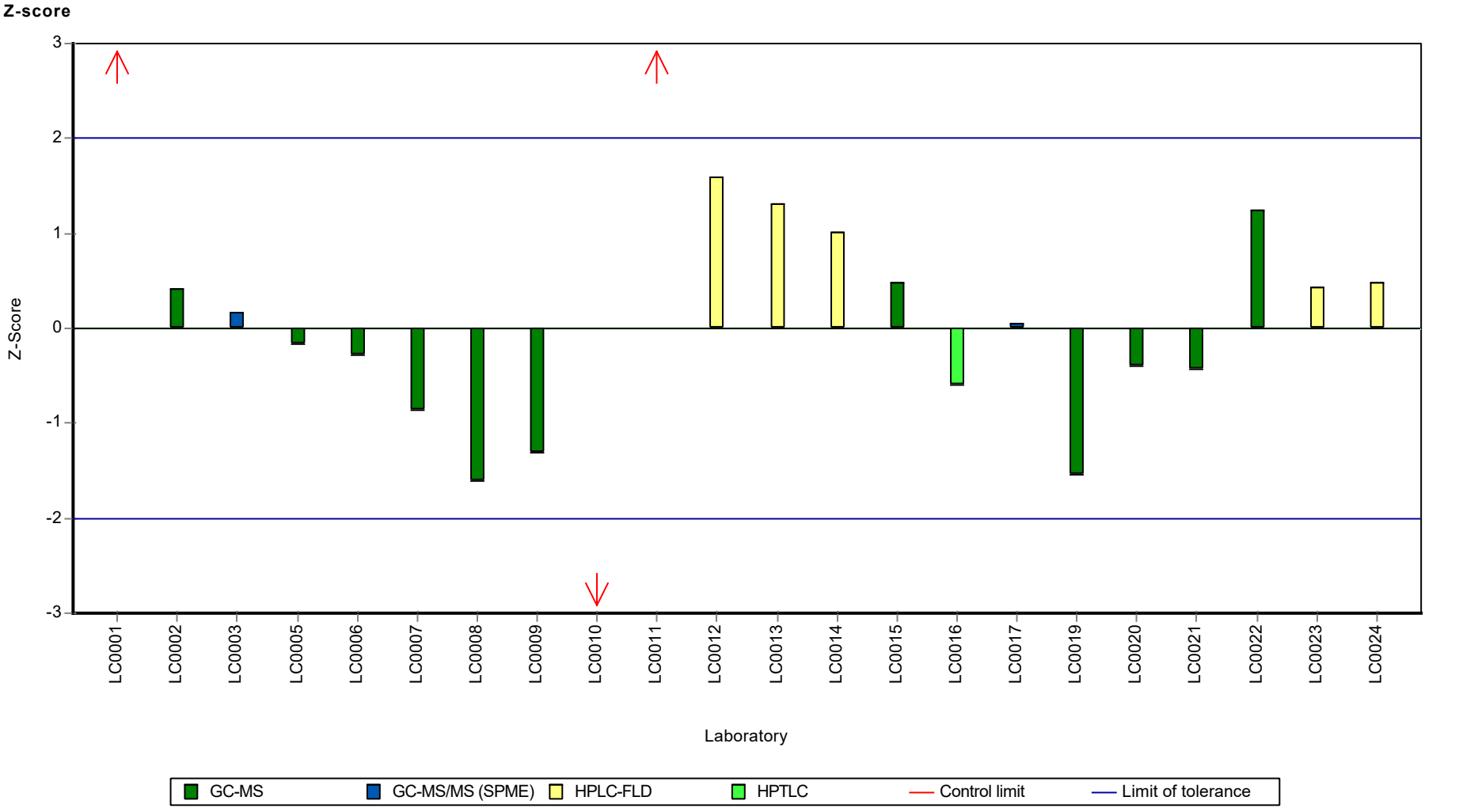
Sample: P25B, Parameter: Indeno[1,2,3-cd]pyrene

Recovery rate



Parameter oriented report Polycyclic Aromatic Hydrocarbons P25

Sample: P25B, Parameter: Indeno[1,2,3-cd]pyrene



Parameter oriented report

P25 A

Naphthalene

Unit	ng/l
Assigned value ± U (k=2)	28.3 ± 3.28
Criterion	5.94 (21 %)
Minimum - Maximum	16.8 - 40.5
Control test value ± U (k=2)	35.1 ± 10.5

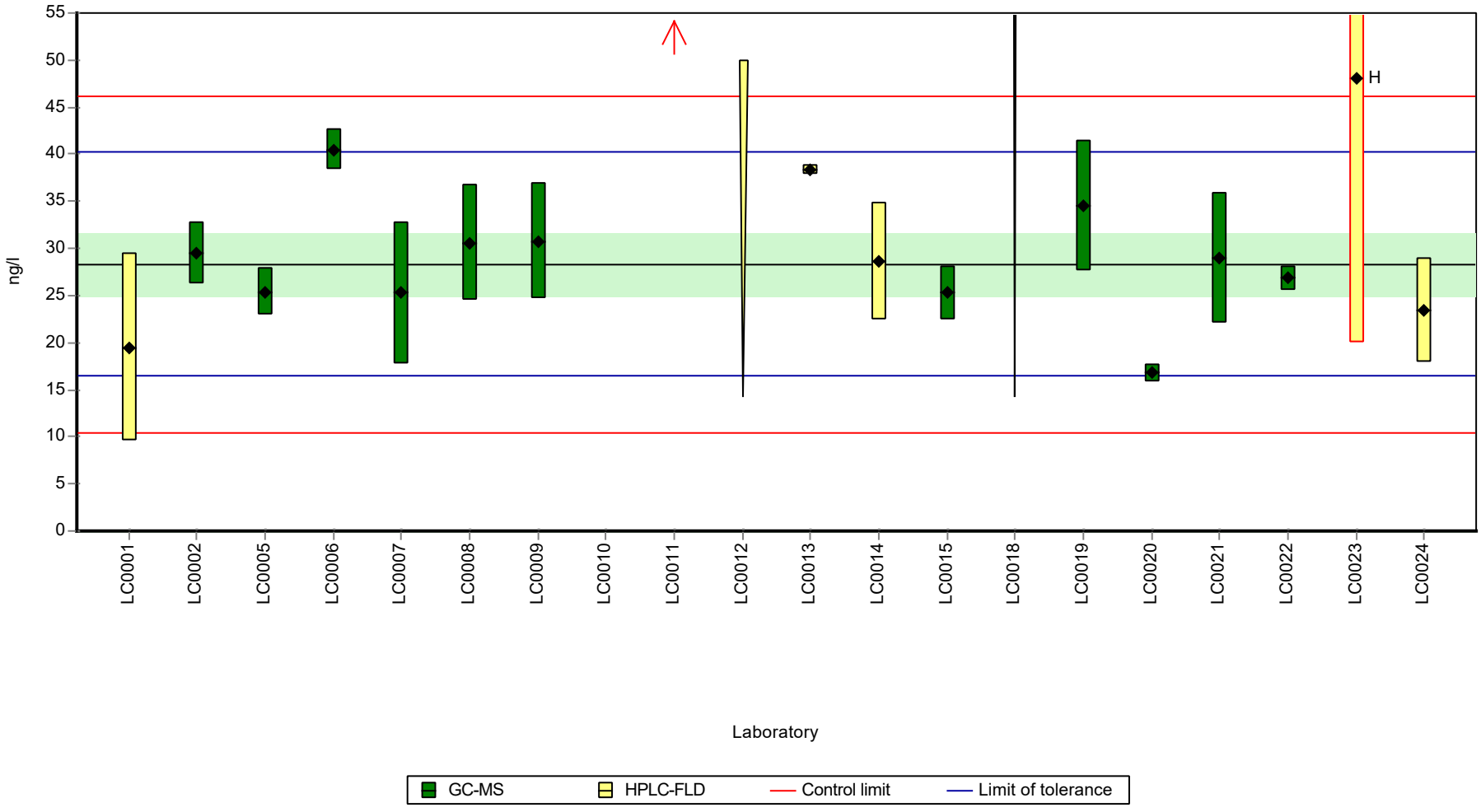
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	19.5	9.95	68.9	-1.48	
LC0002	29.56	3.3	104	0.21	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	25.4	2.54	89.8	-0.49	
LC0006	40.5	2.1	143	2.05	
LC0007	25.28	7.58	89.3	-0.51	
LC0008	30.6	6.12	108	0.39	
LC0009	30.77	6.15	109	0.42	
LC0010	< 0.003 (LOQ)	-	-	-	FN
LC0011	75.6	15.1	267	7.96	H
LC0012	< 50 (LOQ)	-	-	-	
LC0013	38.4	0.54	136	1.7	
LC0014	28.63	6.2	101	0.06	
LC0015	25.26	2.9	89.3	-0.51	
LC0016	-	-	-	-	
LC0017	-	-	-	-	
LC0018	< 200 (LOQ)	-	-	-	
LC0019	34.5	6.9	122	1.04	
LC0020	16.75	0.99	59.2	-1.94	
LC0021	29	7	102	0.12	
LC0022	26.84	1.32	94.9	-0.24	
LC0023	48	28	170	3.32	H
LC0024	23.44	5.51	82.8	-0.82	

Characteristics of parameter

	all results	w ithout outliers	Unit
Mean ± CI (99%)	32.2 ± 9.84	28.3 ± 4.93	ng/l
Minimum	16.8	16.8	ng/l
Maximum	75.6	40.5	ng/l
Standard deviation	13.5	6.36	ng/l
rel. standard deviation	42	22.5	%
n	17	15	-

Graphical presentation of results

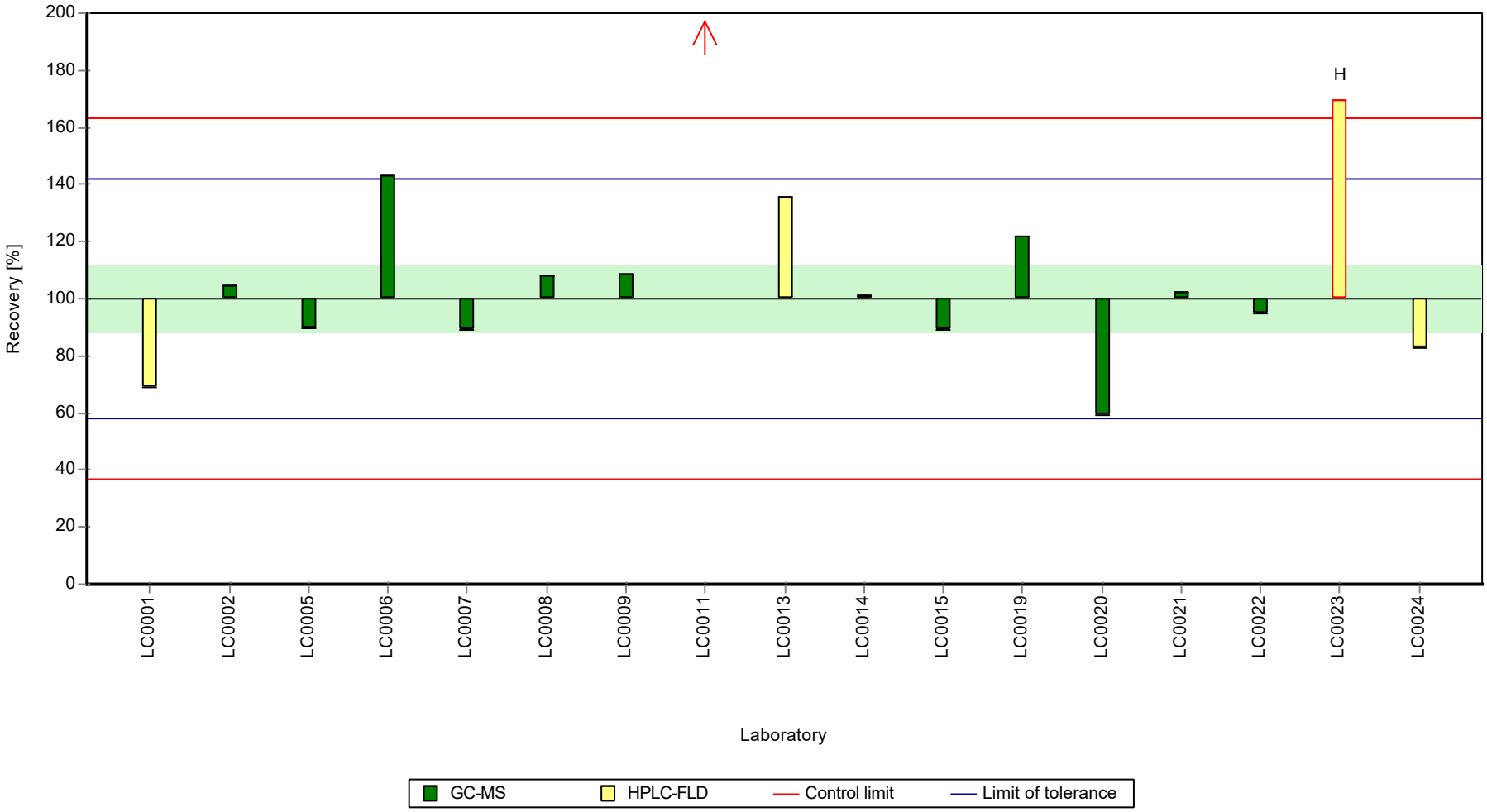
Results



Parameter oriented report Polycyclic Aromatic Hydrocarbons P25

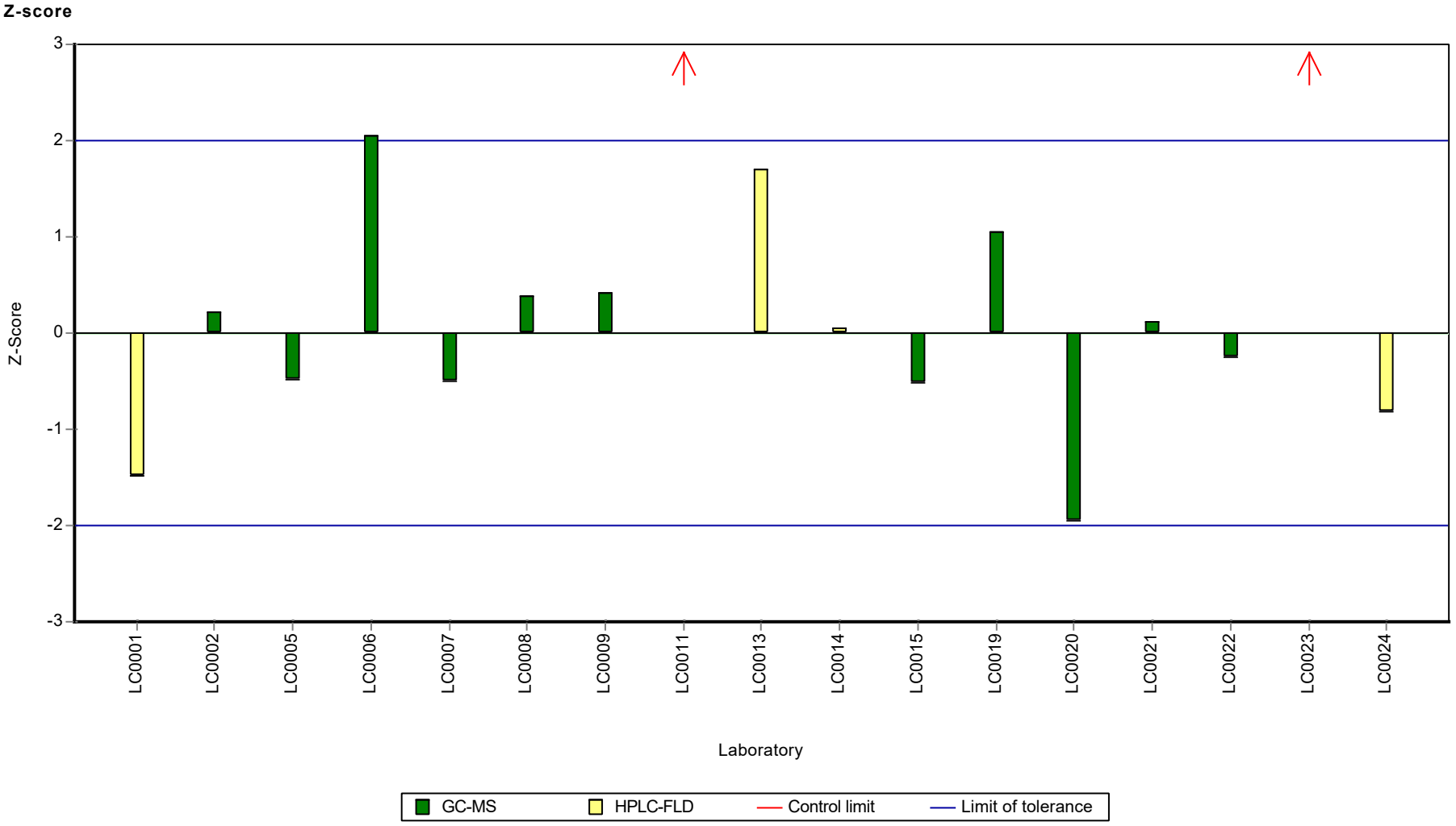
Sample: P25A, Parameter: Naphthalene

Recovery rate



Parameter oriented report Polycyclic Aromatic Hydrocarbons P25

Sample: P25A, Parameter: Naphthalene



Parameter oriented report

P25 B

Naphthalene

Unit	ng/l
Assigned value ± U (k=2)	171 ± 15.1
Criterion	36 (21 %)
Minimum - Maximum	112 - 228
Control test value ± U (k=2)	226.0 ± 67.8

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	112	57.2	65.4	-1.65	
LC0002	191.3	21.2	112	0.56	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	153	15.3	89.3	-0.51	
LC0006	223	11	130	1.44	
LC0007	192.9	57.87	113	0.6	
LC0008	189	37.8	110	0.49	
LC0009	154.7	30.94	90.3	-0.46	
LC0010	< 0.003 (LOQ)	-	-	-	FN
LC0011	501	100	293	9.17	H
LC0012	167	17	97.5	-0.12	
LC0013	158	1.12	92.2	-0.37	
LC0014	180	38	105	0.24	
LC0015	153.98	17.8	89.9	-0.48	
LC0016	-	-	-	-	
LC0017	-	-	-	-	
LC0018	200	26	117	0.8	
LC0019	228	16	133	1.58	
LC0020	138.9	8.212	81.1	-0.9	
LC0021	198	47	116	0.74	
LC0022	176.8	4.27	103	0.15	
LC0023	122	71	71.2	-1.37	
LC0024	144.4	33.9	84.3	-0.75	

Characteristics of parameter

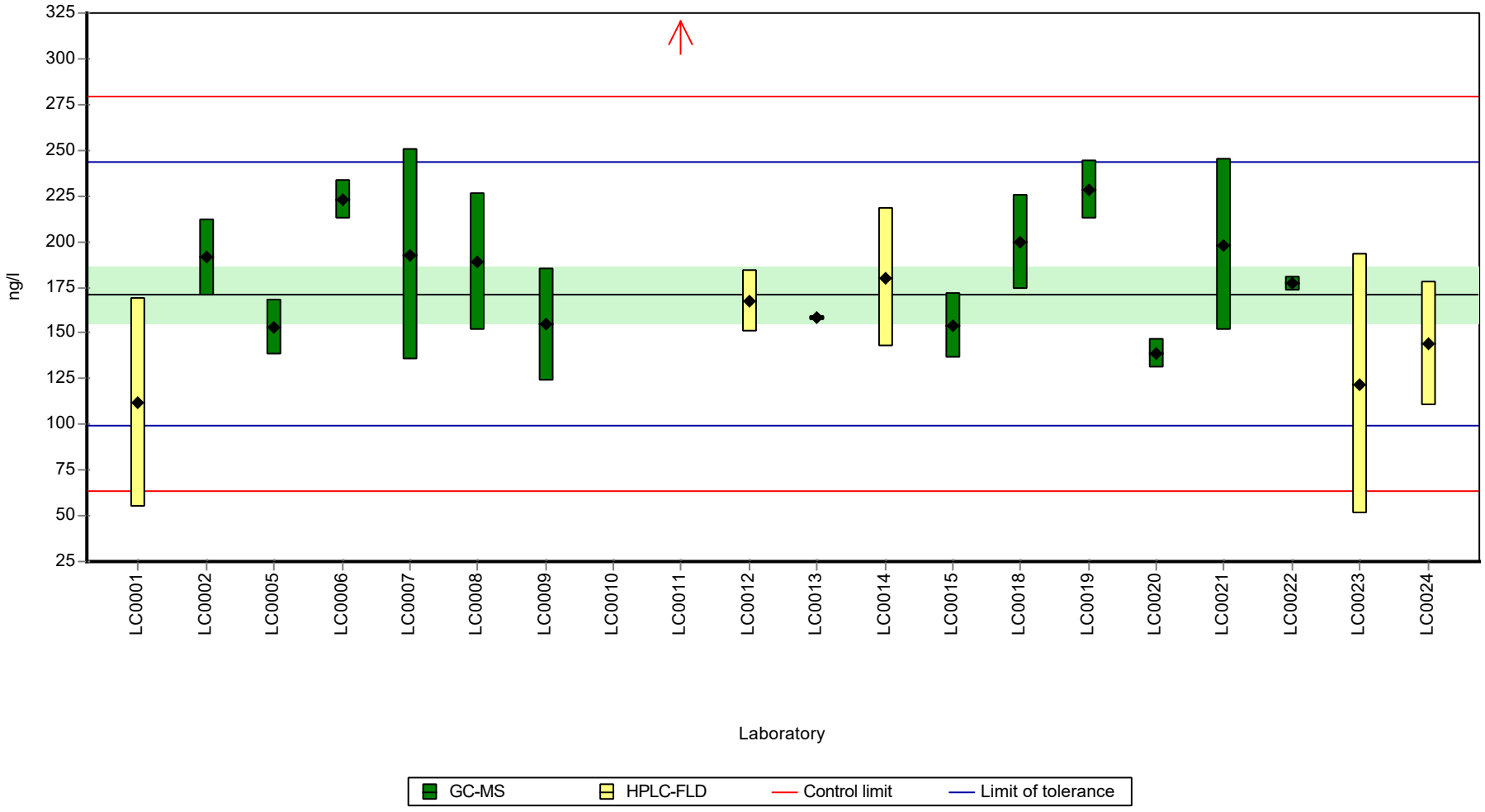
	all results	w ithout outliers	Unit
Mean ± CI (99%)	189 ± 56.3	171 ± 22.7	ng/l
Minimum	112	112	ng/l
Maximum	501	228	ng/l
Standard deviation	81.8	32.1	ng/l
rel. standard deviation	43.4	18.8	%
n	19	18	-

Parameter oriented report Polycyclic Aromatic Hydrocarbons P25

Sample: P25B, Parameter: Naphthalene

Graphical presentation of results

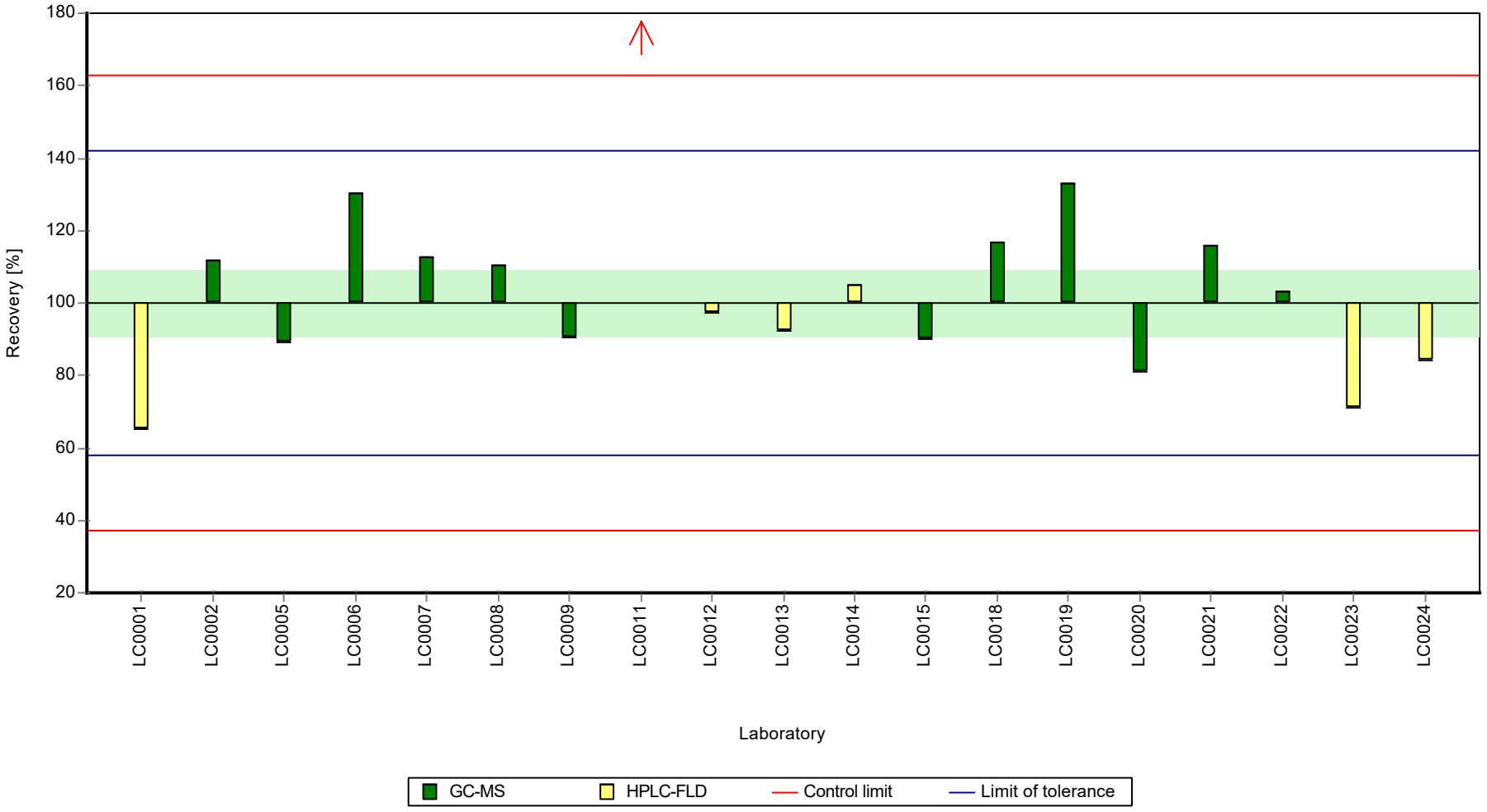
Results



Parameter oriented report Polycyclic Aromatic Hydrocarbons P25

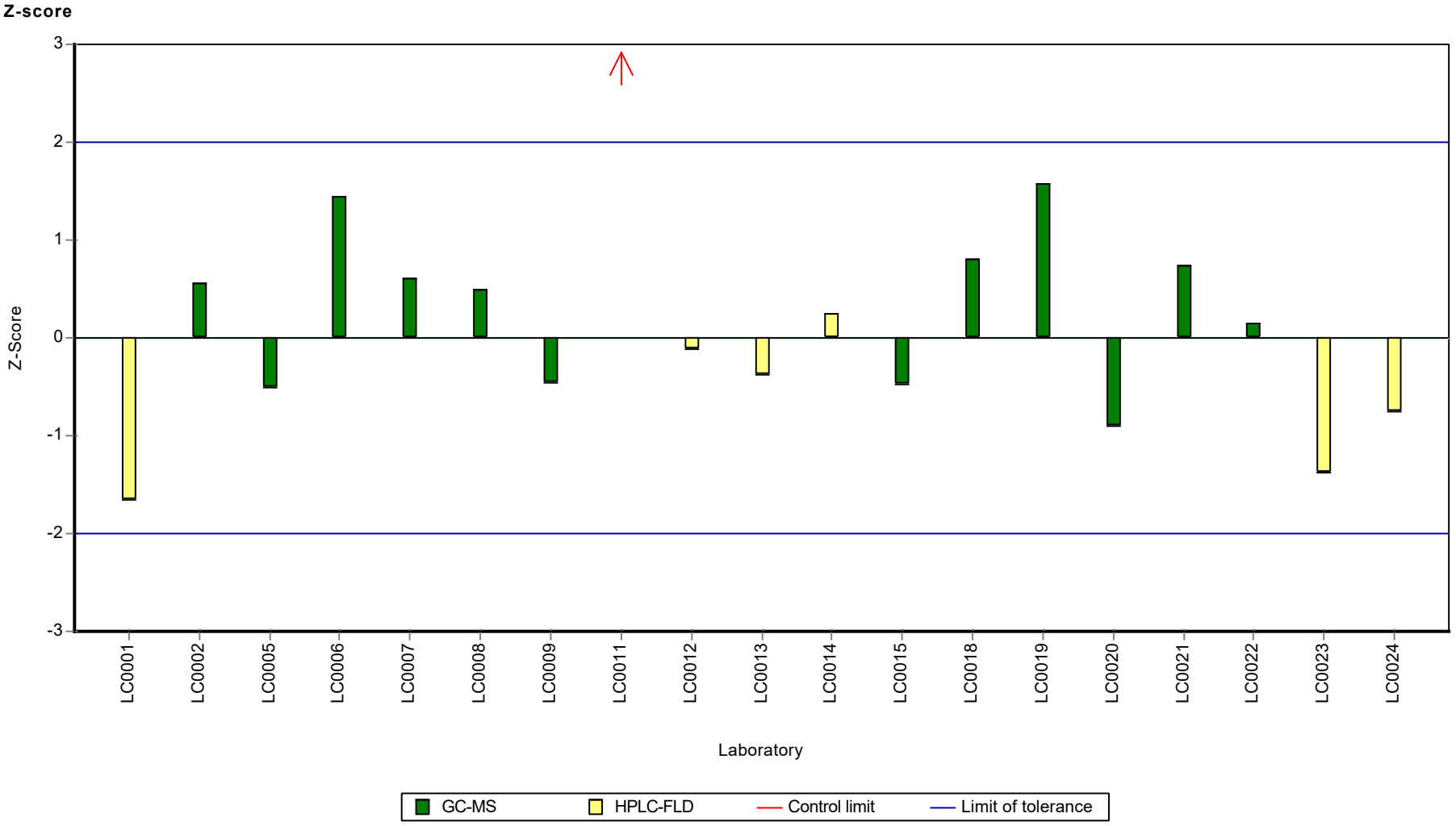
Sample: P25B, Parameter: Naphthalene

Recovery rate



Parameter oriented report Polycyclic Aromatic Hydrocarbons P25

Sample: P25B, Parameter: Naphthalene



Parameter oriented report

P25 A

Phenanthrene

Unit	ng/l
Assigned value ± U (k=2)	25.3 ± 1.31
Criterion	3.8 (15 %)
Minimum - Maximum	21.5 - 30.3
Control test value ± U (k=2)	26.8 ± 6.71

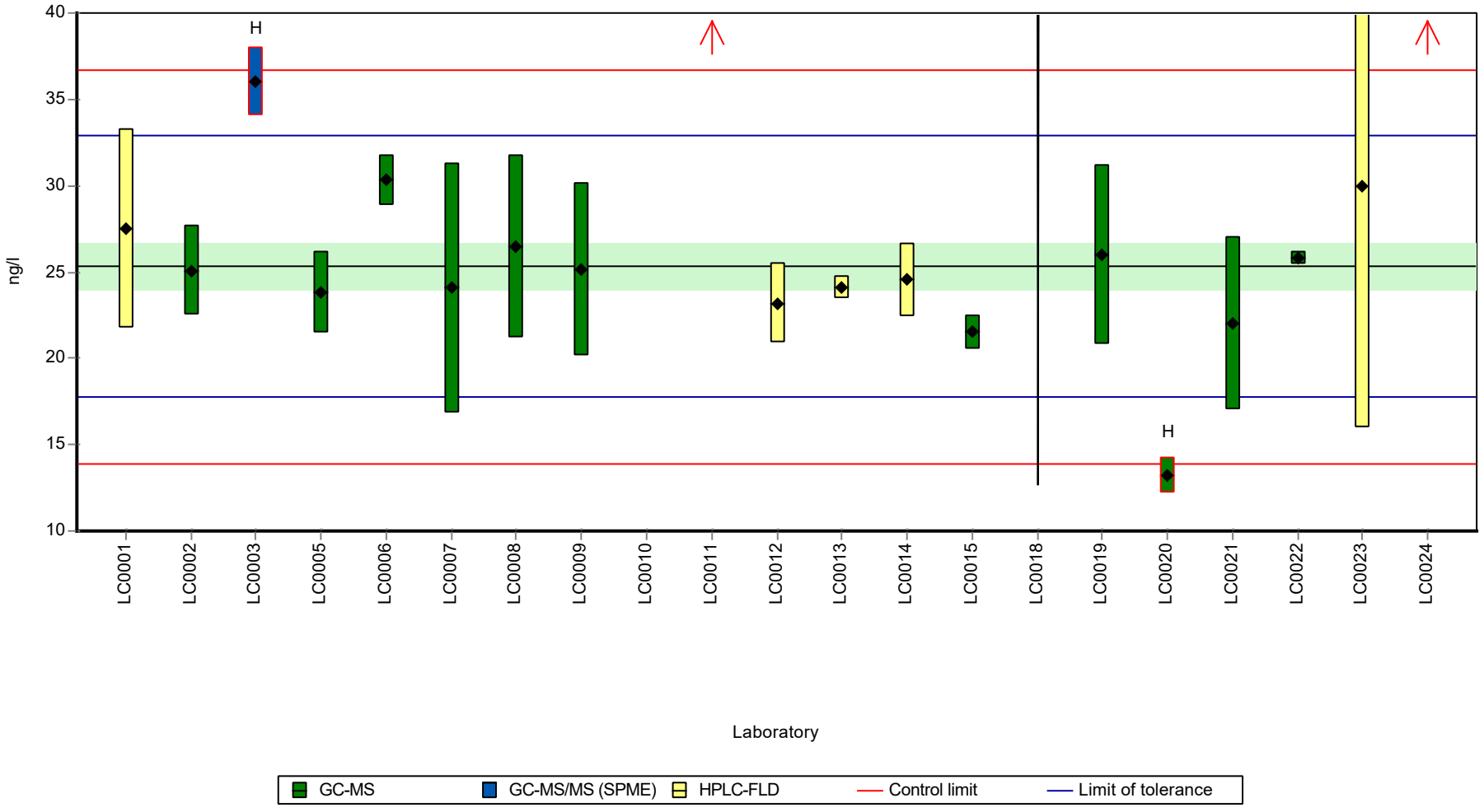
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	27.5	5.76	109	0.58	
LC0002	25.08	2.6	99.1	-0.06	
LC0003	36	2	142	2.82	H
LC0004	-	-	-	-	
LC0005	23.8	2.38	94.1	-0.4	
LC0006	30.3	1.5	120	1.32	
LC0007	24.09	7.23	95.2	-0.32	
LC0008	26.5	5.3	105	0.31	
LC0009	25.16	5.03	99.4	-0.04	
LC0010	< 0.003 (LOQ)	-	-	-	FN
LC0011	63.8	12.8	252	10.14	H
LC0012	23.2	2.3	91.7	-0.55	
LC0013	24.1	0.67	95.2	-0.32	
LC0014	24.54	2.1	97	-0.2	
LC0015	21.52	0.97	85	-1	
LC0016	-	-	-	-	
LC0017	-	-	-	-	
LC0018	< 200 (LOQ)	-	-	-	
LC0019	26	5.2	103	0.18	
LC0020	13.24	1.042	52.3	-3.18	H
LC0021	22	5	86.9	-0.87	
LC0022	25.79	0.41	102	0.13	
LC0023	30	14	119	1.24	
LC0024	47.03	5.41	186	5.72	H

Characteristics of parameter

	all results	w ithout outliers	Unit
Mean ± CI (99%)	28.4 ± 7.47	25.3 ± 1.96	ng/l
Minimum	13.2	21.5	ng/l
Maximum	63.8	30.3	ng/l
Standard deviation	10.9	2.53	ng/l
rel. standard deviation	38.2	9.99	%
n	19	15	-

Graphical presentation of results

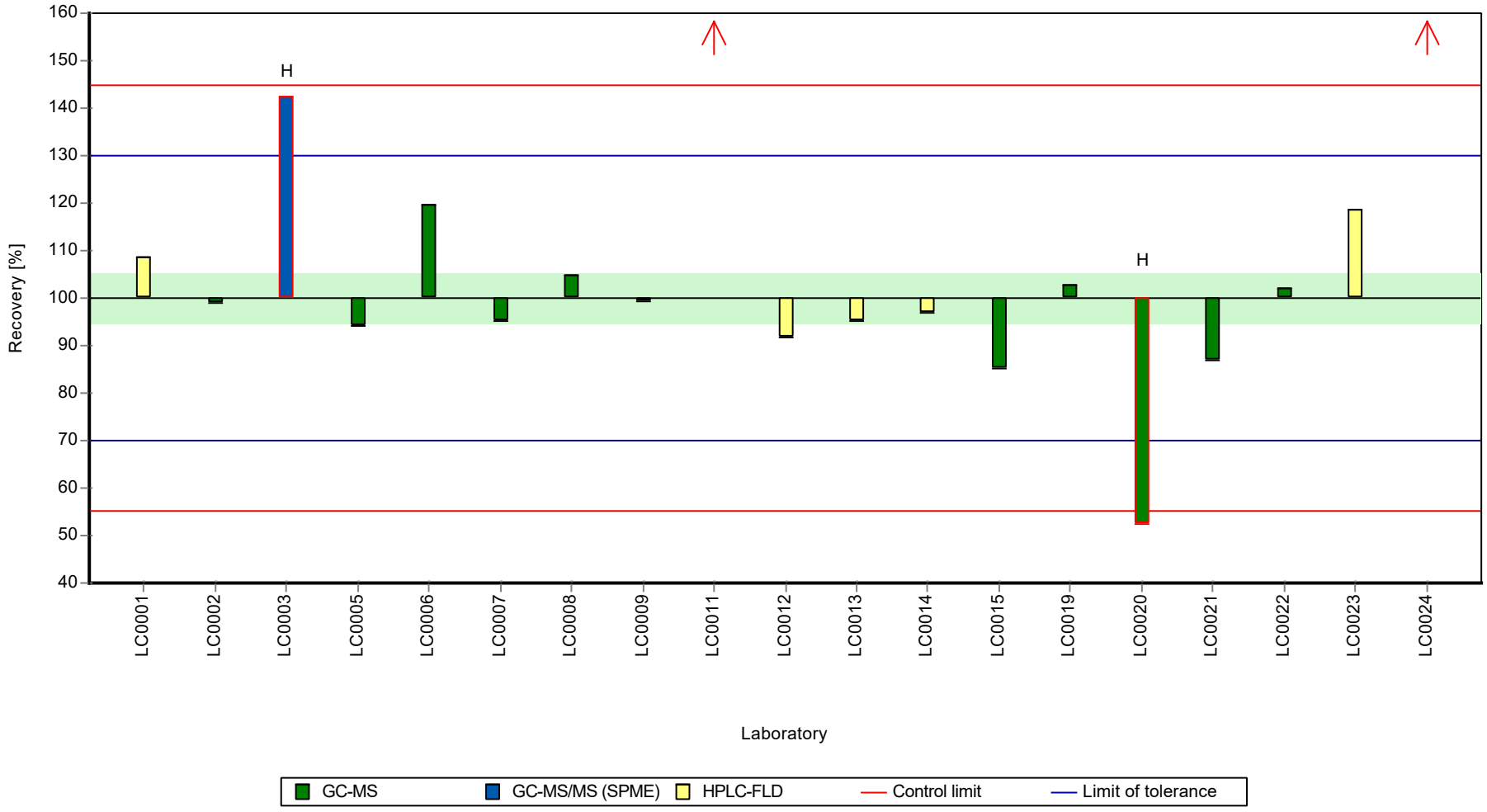
Results



Parameter oriented report Polycyclic Aromatic Hydrocarbons P25

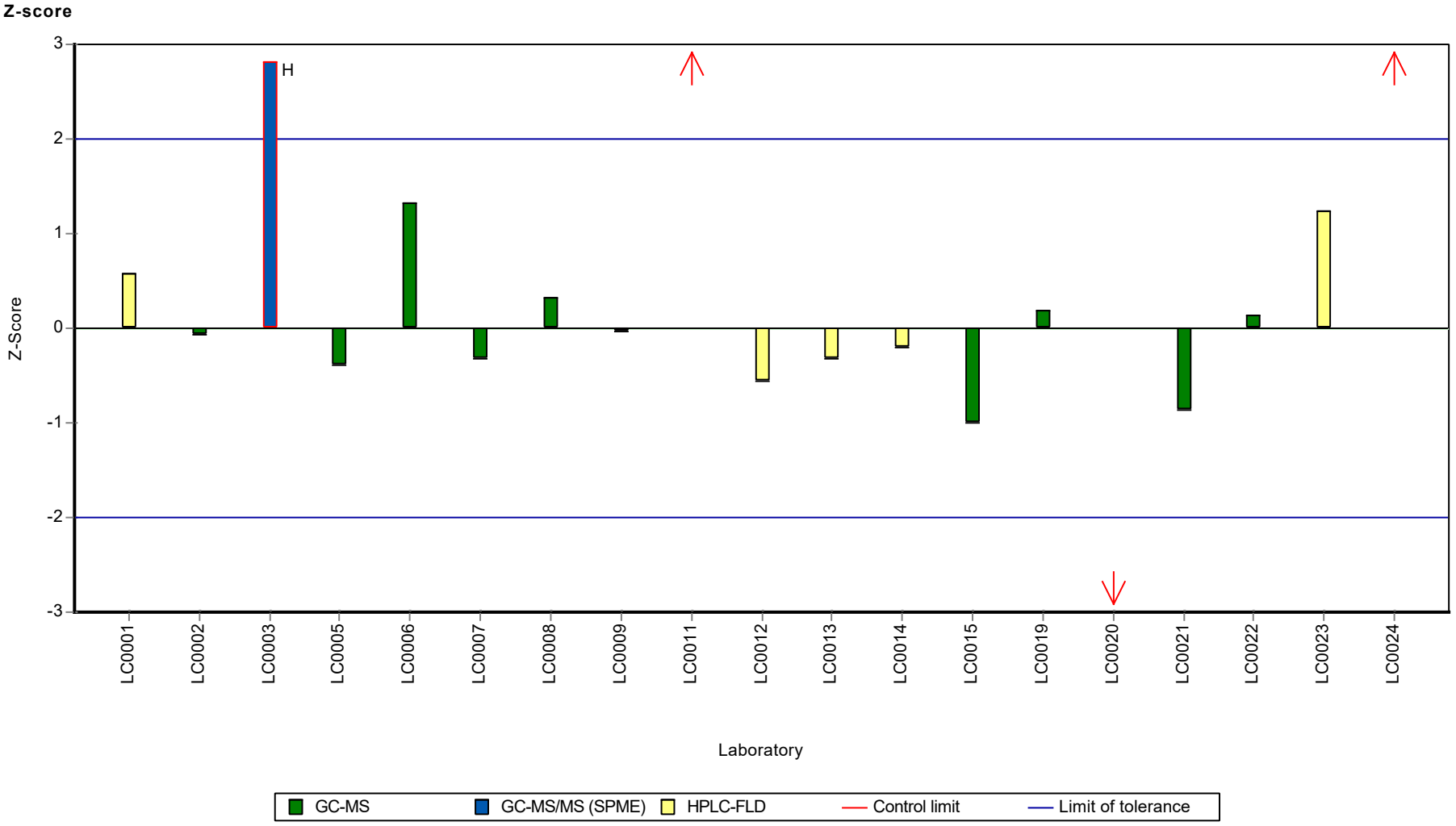
Sample: P25A, Parameter: Phenanthrene

Recovery rate



Parameter oriented report Polycyclic Aromatic Hydrocarbons P25

Sample: P25A, Parameter: Phenanthrene



Parameter oriented report

P25 B

Phenanthrene

Unit	ng/l
Assigned value ± U (k=2)	149 ± 10.4
Criterion	22.3 (15 %)
Minimum - Maximum	104 - 181
Control test value ± U (k=2)	177.0 ± 44.1

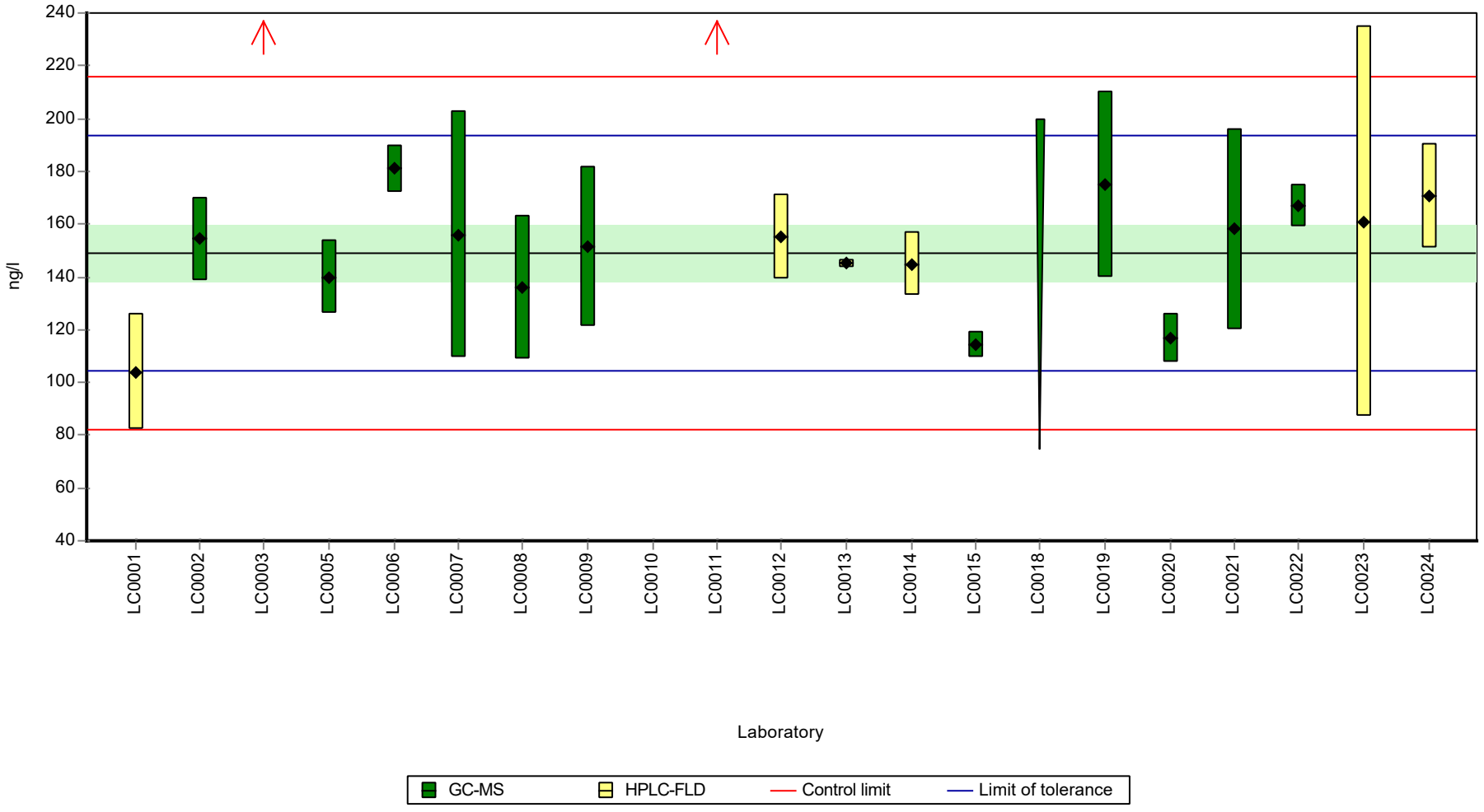
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	104	21.8	69.9	-2.01	
LC0002	154.51	15.8	104	0.25	
LC0003	278	12	187	5.78	H
LC0004	-	-	-	-	
LC0005	140	14	94.1	-0.4	
LC0006	181	9.1	122	1.44	
LC0007	155.95	46.78	105	0.32	
LC0008	136	27.2	91.4	-0.58	
LC0009	151.54	30.31	102	0.12	
LC0010	< 0.003 (LOQ)	-	-	-	FN
LC0011	419	84	281	12.1	H
LC0012	155	16	104	0.28	
LC0013	145	1.4	97.4	-0.17	
LC0014	144.8	12	97.3	-0.18	
LC0015	114.3	5.2	76.8	-1.55	
LC0016	-	-	-	-	
LC0017	-	-	-	-	
LC0018	< 200 (LOQ)	-	-	-	
LC0019	175	35	118	1.17	
LC0020	116.8	9.192	78.5	-1.44	
LC0021	158	38	106	0.41	
LC0022	167	7.95	112	0.81	
LC0023	161	74	108	0.54	
LC0024	170.6	19.6	115	0.97	

Characteristics of parameter

	all results	w ithout outliers	Unit
Mean ± CI (99%)	170 ± 48.3	149 ± 15.6	ng/l
Minimum	104	104	ng/l
Maximum	419	181	ng/l
Standard deviation	70.2	21.5	ng/l
rel. standard deviation	41.3	14.4	%
n	19	17	-

Graphical presentation of results

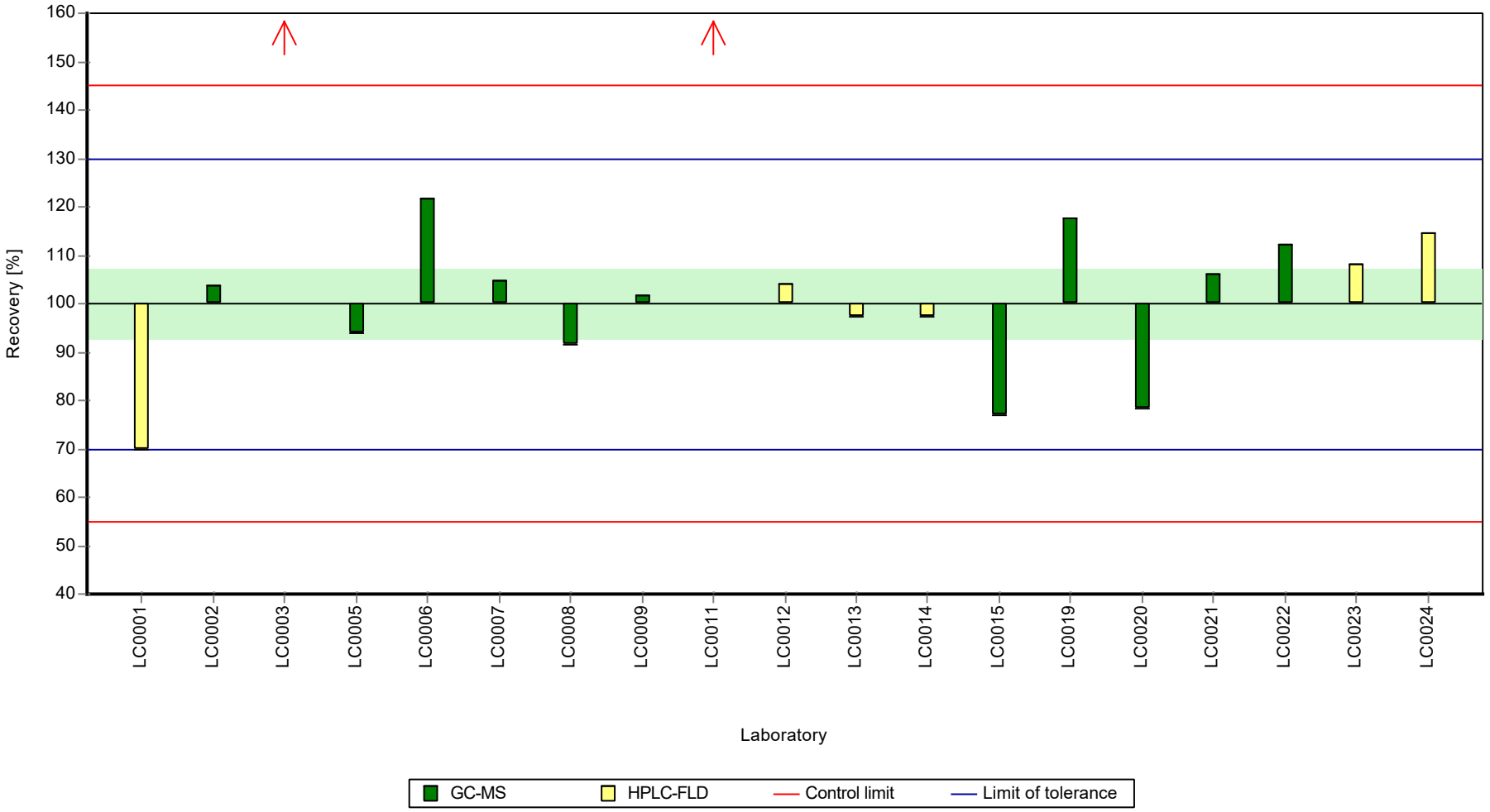
Results



Parameter oriented report Polycyclic Aromatic Hydrocarbons P25

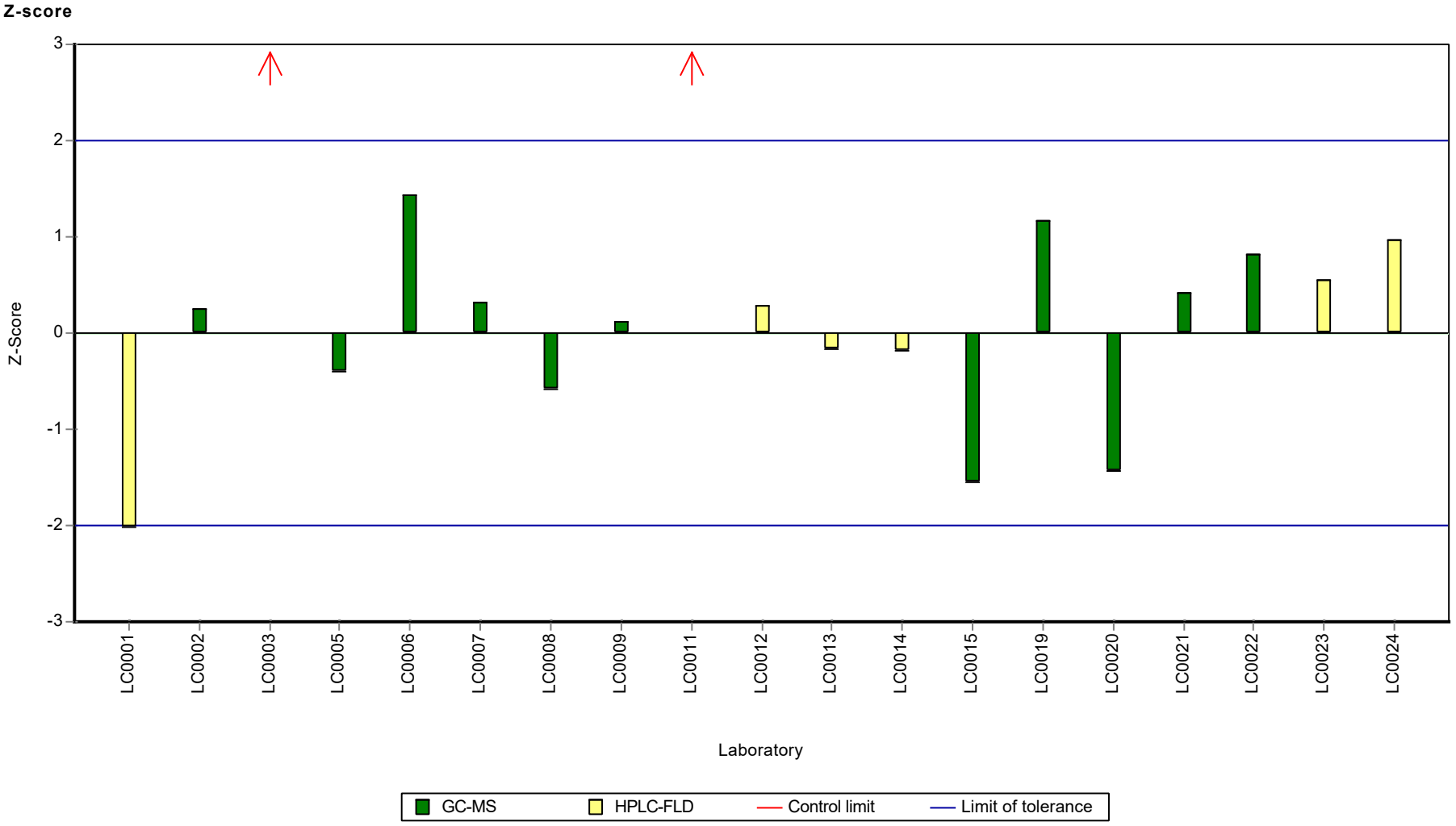
Sample: P25B, Parameter: Phenanthrene

Recovery rate



Parameter oriented report Polycyclic Aromatic Hydrocarbons P25

Sample: P25B, Parameter: Phenanthrene



Parameter oriented report

P25 A

Pyrene

Unit	ng/l
Assigned value ± U (k=2)	20.8 ± 1.04
Criterion	3.33 (16 %)
Minimum - Maximum	16 - 25
Control test value ± U (k=2)	22.4 ± 5.61

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	25	9.67	120	1.26	
LC0002	20.68	1.8	99.3	-0.04	
LC0003	20	1	96.1	-0.25	
LC0004	-	-	-	-	
LC0005	20	2	96.1	-0.25	
LC0006	18.9	0.95	90.8	-0.58	
LC0007	22.35	6.7	107	0.46	
LC0008	5.72	1.14	27.5	-4.53	H
LC0009	21.59	4.32	104	0.23	
LC0010	< 0.003 (LOQ)	-	-	-	FN
LC0011	54.2	10.8	260	10.02	H
LC0012	19.7	2	94.6	-0.34	
LC0013	22.7	0.8	109	0.57	
LC0014	20.52	2.5	98.6	-0.09	
LC0015	23.1	7.7	111	0.69	
LC0016	-	-	-	-	
LC0017	19.45	8.56	93.4	-0.41	
LC0018	< 200 (LOQ)	-	-	-	
LC0019	18	3.6	86.5	-0.85	
LC0020	11.58	1.104	55.6	-2.77	H
LC0021	16	4	76.9	-1.45	
LC0022	21.55	0.67	104	0.22	
LC0023	22	6	106	0.35	
LC0024	22.36	3.02	107	0.46	

Characteristics of parameter

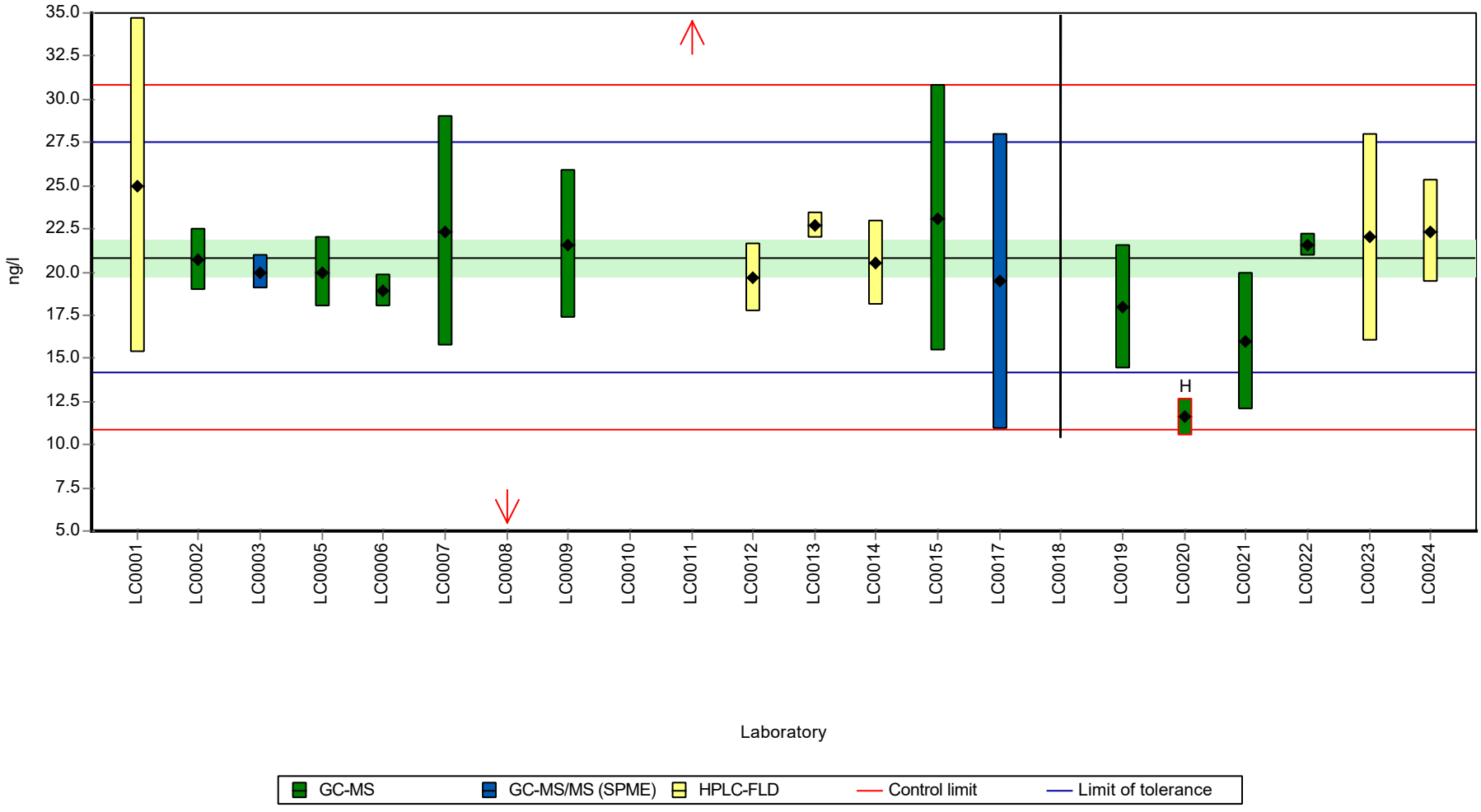
	all results	w ithout outliers	Unit
Mean ± CI (99%)	21.3 ± 5.95	20.8 ± 1.55	ng/l
Minimum	5.72	16	ng/l
Maximum	54.2	25	ng/l
Standard deviation	8.87	2.13	ng/l
rel. standard deviation	41.7	10.3	%
n	20	17	-

Parameter oriented report Polycyclic Aromatic Hydrocarbons P25

Sample: P25A, Parameter: Pyrene

Graphical presentation of results

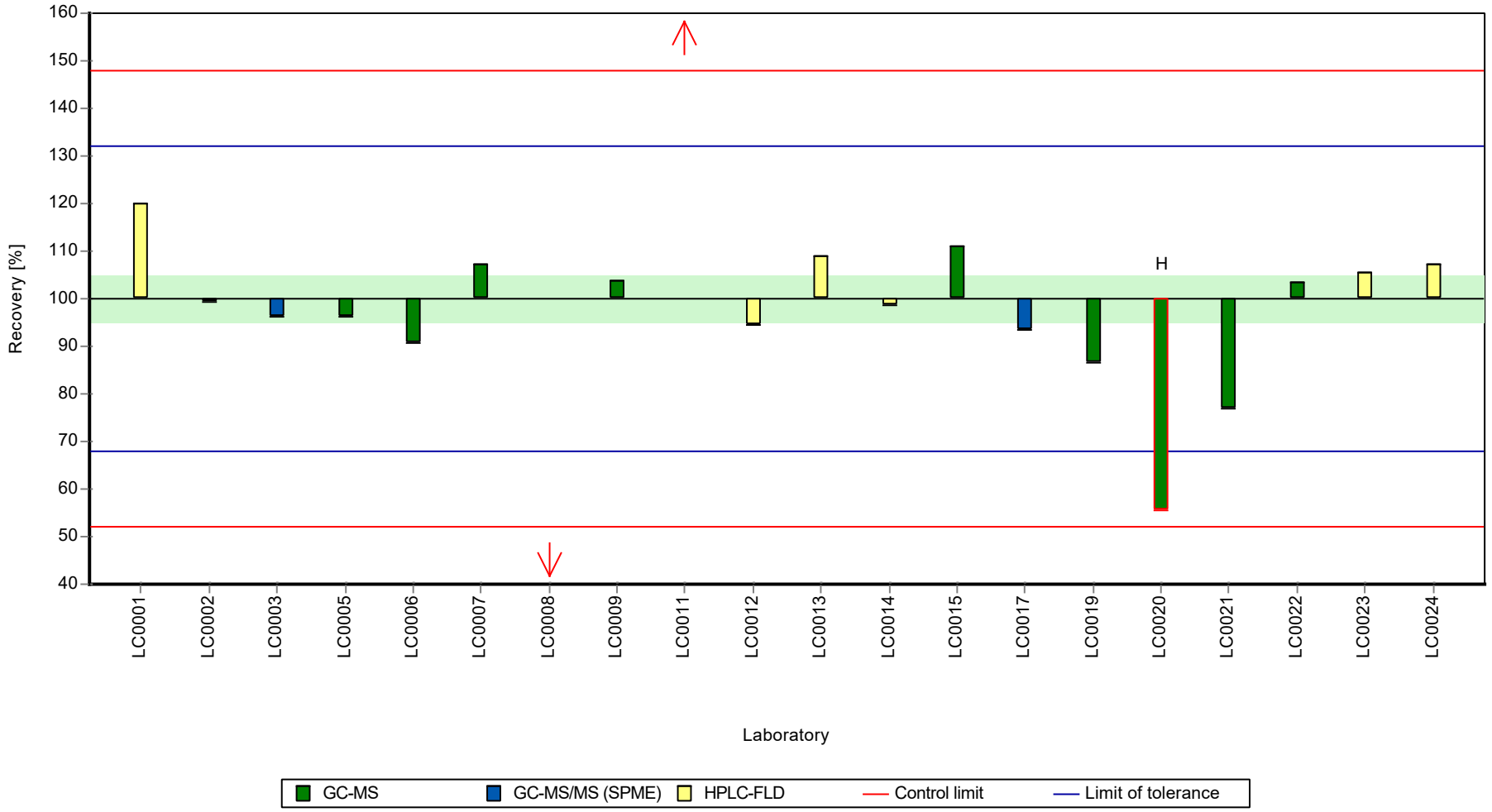
Results



Parameter oriented report Polycyclic Aromatic Hydrocarbons P25

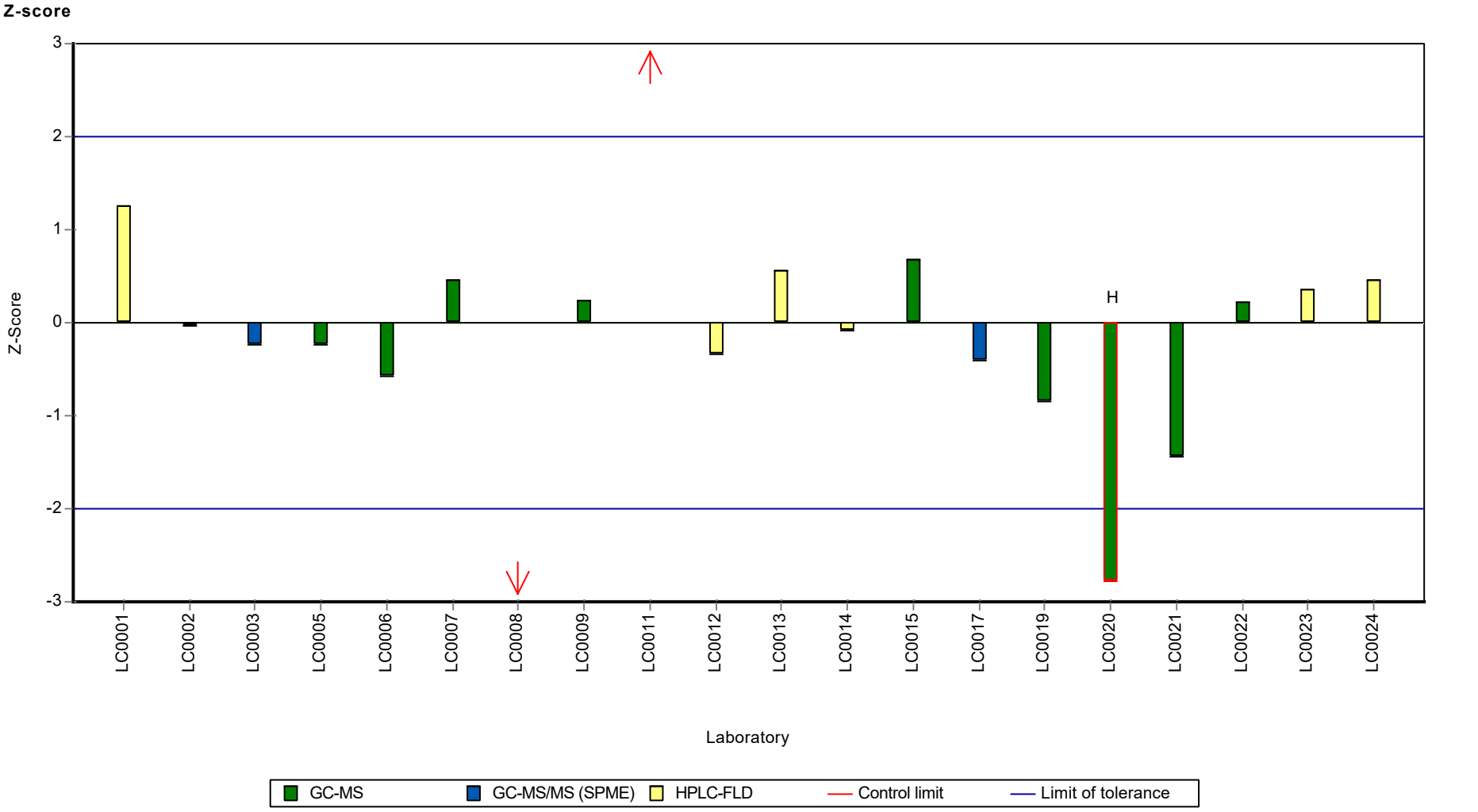
Sample: P25A, Parameter: Pyrene

Recovery rate



Parameter oriented report Polycyclic Aromatic Hydrocarbons P25

Sample: P25A, Parameter: Pyrene



Parameter oriented report

P25 B

Pyrene

Unit	ng/l
Assigned value ± U (k=2)	147 ± 6.62
Criterion	23.6 (16 %)
Minimum - Maximum	115 - 164
Control test value ± U (k=2)	174.0 ± 43.5

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	117	45.2	79.4	-1.29	
LC0002	150.18	13.4	102	0.12	
LC0003	142	6	96.3	-0.23	
LC0004	-	-	-	-	
LC0005	140	14	95	-0.32	
LC0006	160	8.1	109	0.53	
LC0007	155.72	46.72	106	0.35	
LC0008	115	23	78	-1.37	
LC0009	152.15	30.43	103	0.2	
LC0010	0.006	0.001	0	-6.25	H
LC0011	388	78	263	10.2	H
LC0012	155	16	105	0.32	
LC0013	151	1.67	102	0.15	
LC0014	143.5	17	97.3	-0.17	
LC0015	163.45	54.2	111	0.68	
LC0016	-	-	-	-	
LC0017	155.9	68.6	106	0.36	
LC0018	< 200 (LOQ)	-	-	-	
LC0019	132	26	89.5	-0.65	
LC0020	106.9	10.195	72.5	-1.72	H
LC0021	147	35	99.7	-0.02	
LC0022	163.7	3.69	111	0.69	
LC0023	155	39	105	0.32	
LC0024	155.2	21	105	0.33	

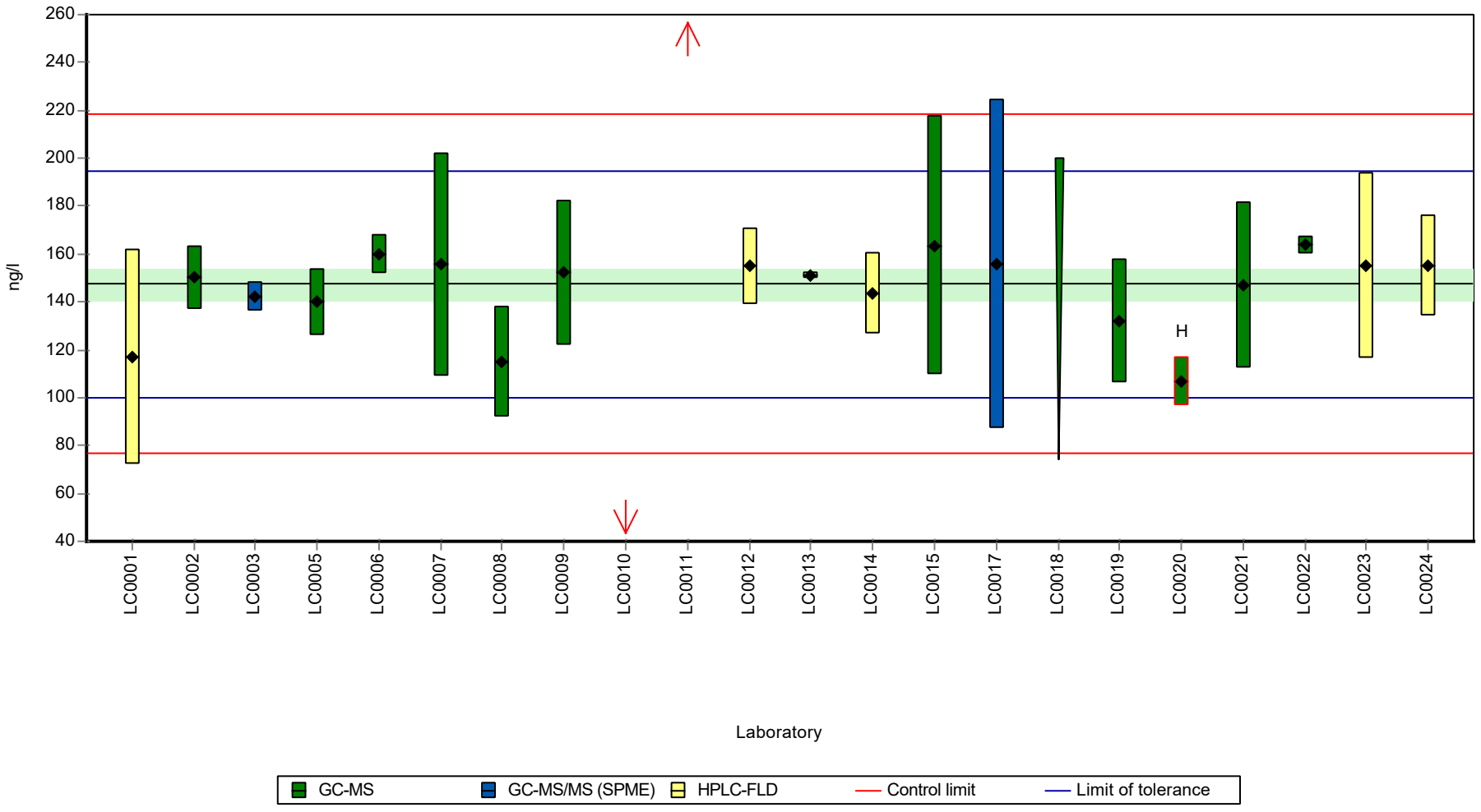
Characteristics of parameter

	all results	w ithout outliers	Unit
Mean ± CI (99%)	150 ± 42.5	147 ± 9.93	ng/l
Minimum	0.006	115	ng/l
Maximum	388	164	ng/l
Standard deviation	65	14	ng/l
rel. standard deviation	43.3	9.53	%
n	21	18	-

Parameter oriented report Polycyclic Aromatic Hydrocarbons P25 Sample: P25B, Parameter: Pyrene

Graphical presentation of results

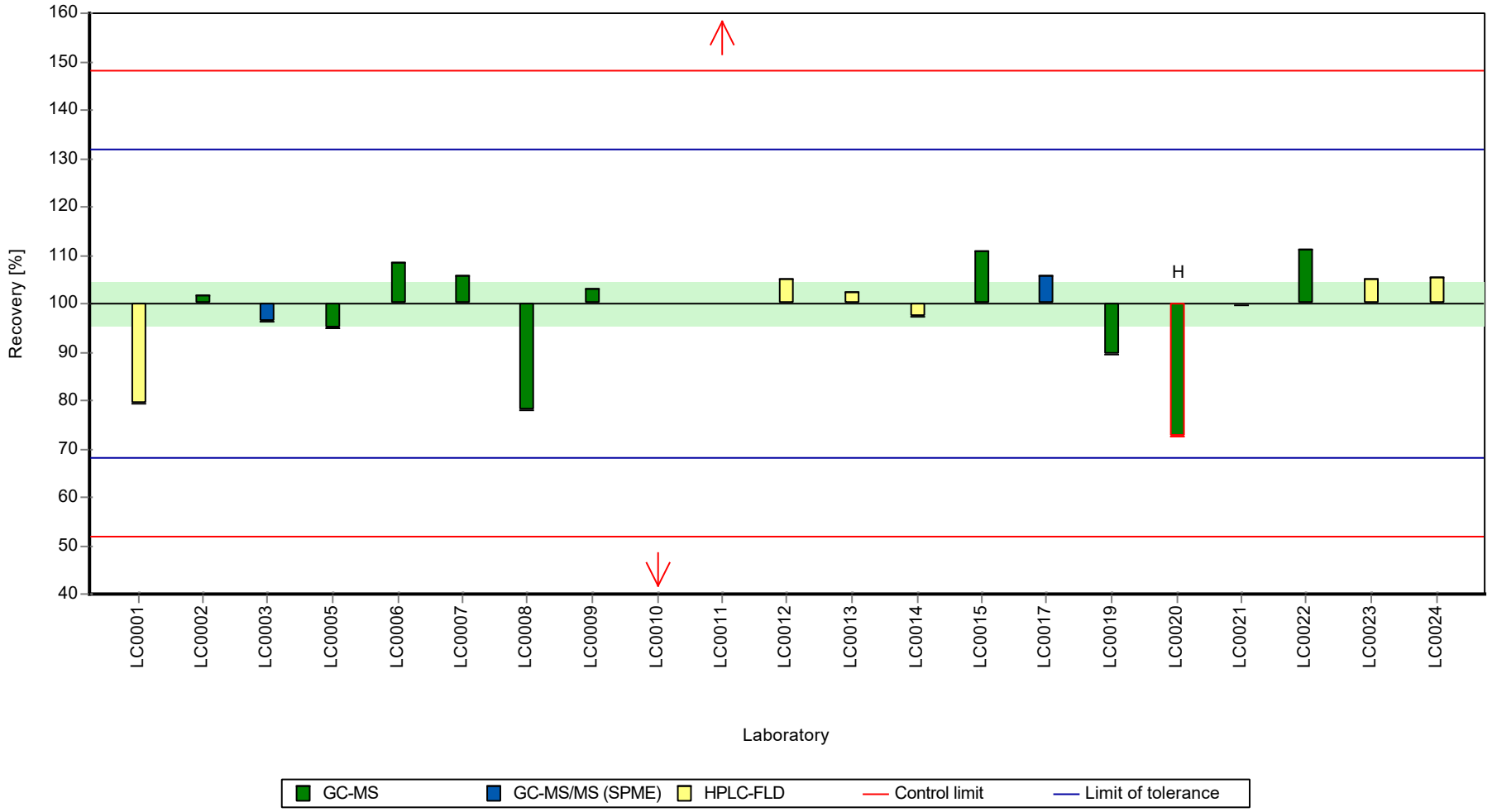
Results



Parameter oriented report Polycyclic Aromatic Hydrocarbons P25

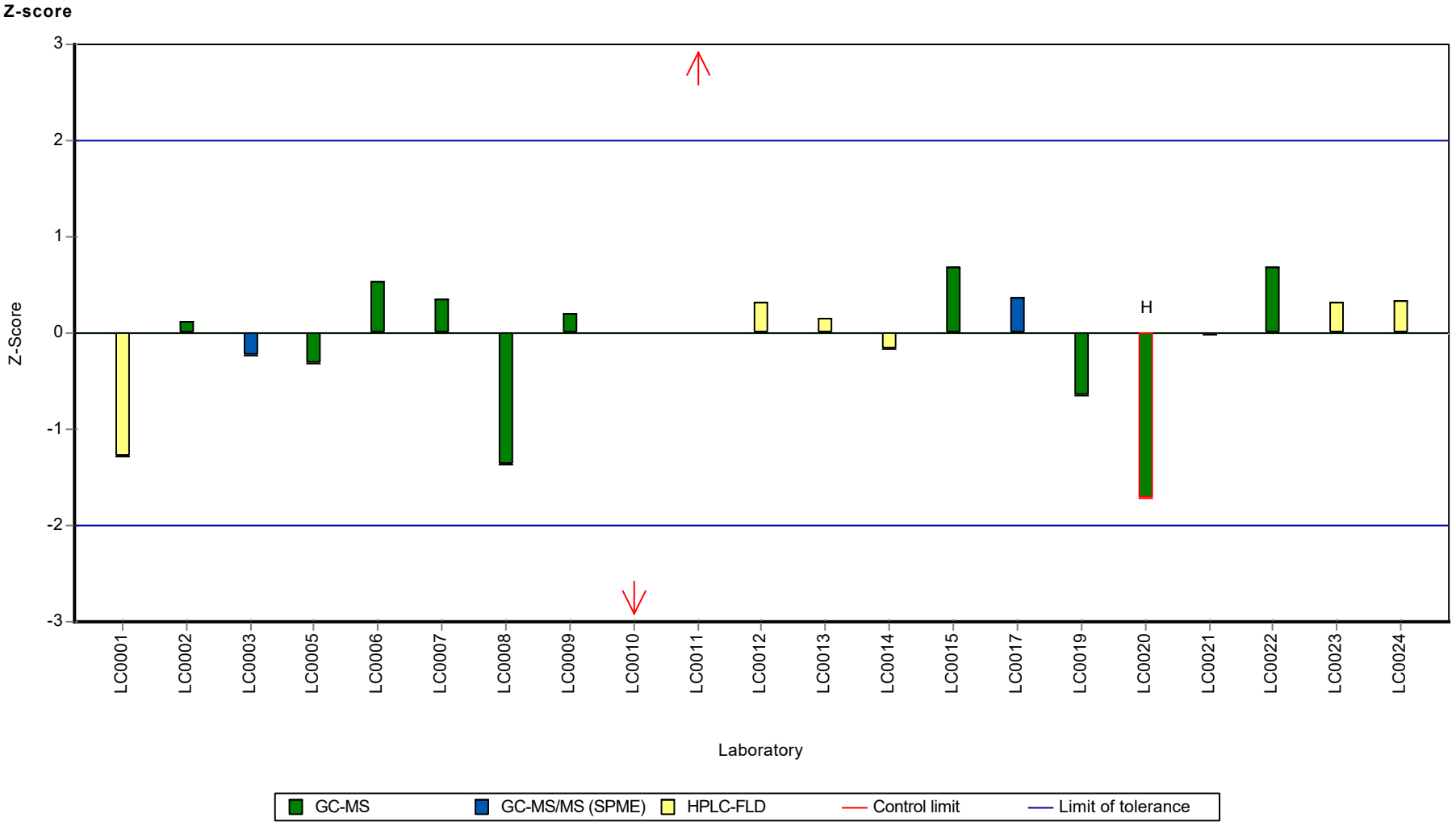
Sample: P25B, Parameter: Pyrene

Recovery rate



Parameter oriented report Polycyclic Aromatic Hydrocarbons P25

Sample: P25B, Parameter: Pyrene



E8. Laborientierte Auswertung / Laboratory oriented report

Die Laborientierte Auswertung ist nach dem Laborcode sortiert.

The laboratory oriented report is sorted by laboratory code.

Summary of results Polycyclic Aromatic Hydrocarbons P25 Labcode: LC0001

Sample: P25A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Acenaphthene	ng/l	21 ± 1.63	22 ± 13.3	3.99	105	0.26
Acenaphthylene	ng/l	19.3 ± 1.45	19.9 ± 15.9	4.63	103	0.14
Anthracene	ng/l	22.3 ± 0.802	22.5 ± 12.5	5.81	101	0.03
Benzo[a]anthracene	ng/l	22.1 ± 2.18	124 ± 68.2	4.64	561	21.97
Benzo[a]pyrene	ng/l	15.6 ± 3.07	110 ± 70.2	5.3	706	17.82
Benzo[b]fluoranthene	ng/l	22.1 ± 2.26	3.75 ± 1.65	3.76	16.9	-4.89
Benzo[g,h,i]perylene	ng/l	19.8 ± 2.33	82.5 ± 39.4	4.94	418	12.70
Benzo[k]fluoranthene	ng/l	19.7 ± 1.64	23.6 ± 8.97	5.11	120	0.77
Chrysene	ng/l	20.3 ± 2.06	121 ± 29.2	4.47	596	22.55
Dibenzo[a,h]anthracene	ng/l	21.2 ± 2	230 ± 111	6.36	1080	32.80
Fluoranthene	ng/l	23.1 ± 0.916	32.5 ± 15.2	4.16	140	2.25
Fluorene	ng/l	25.6 ± 1.41	16 ± 6.83	3.58	62.6	-2.67
Indeno[1,2,3-cd]pyrene	ng/l	21.4 ± 2.54	168 ± 107	5.35	785	27.40
Naphthalene	ng/l	28.3 ± 3.28	19.5 ± 9.95	5.94	68.9	-1.48
Phenanthrene	ng/l	25.3 ± 1.31	27.5 ± 5.76	3.8	109	0.58
Pyrene	ng/l	20.8 ± 1.04	25 ± 9.67	3.33	120	1.26

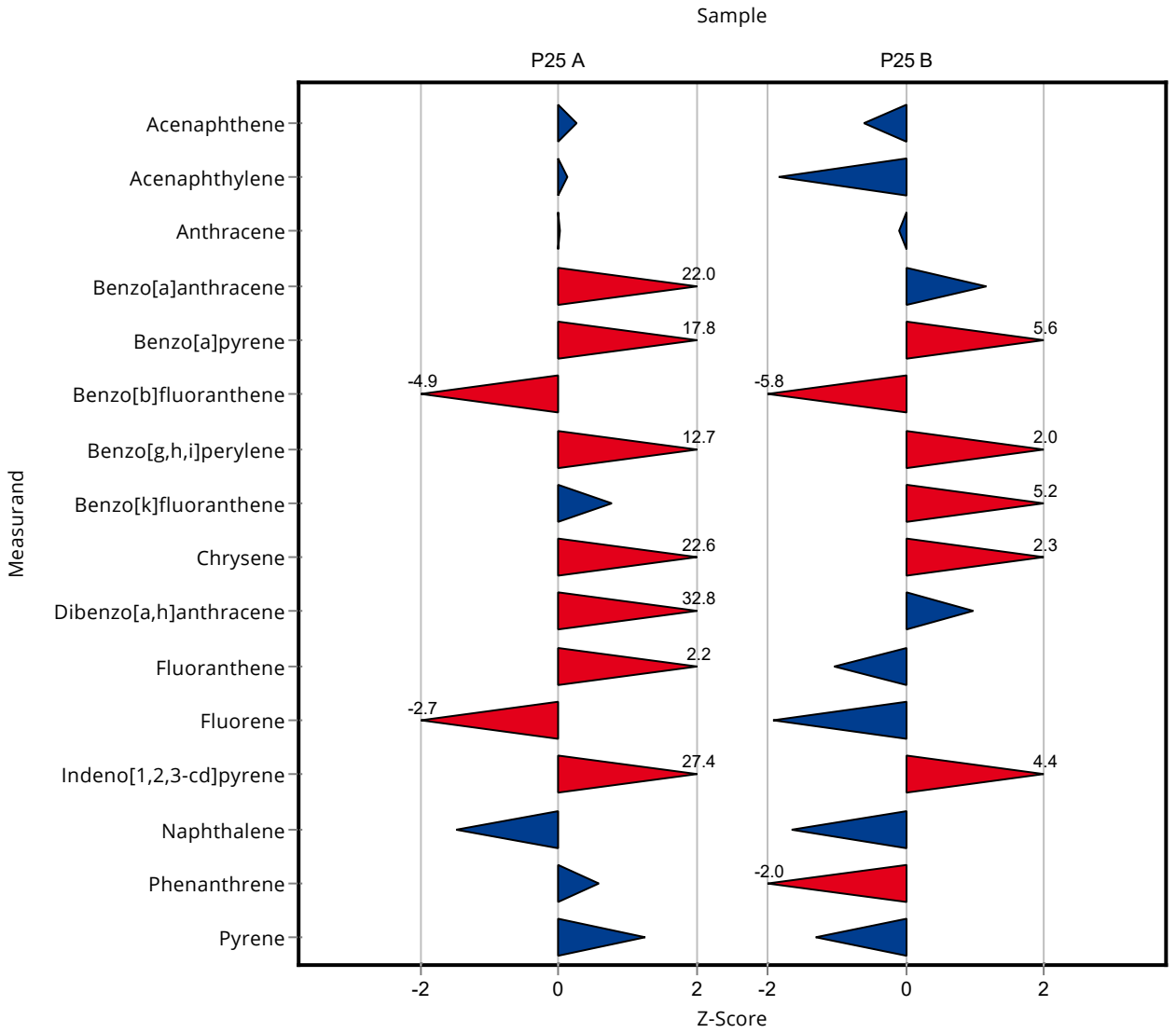
Sample: P25B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Acenaphthene	ng/l	129 ± 7.05	114 ± 69	24.5	88.4	-0.61
Acenaphthylene	ng/l	167 ± 15.5	93.8 ± 74.7	40.1	56.1	-1.83
Anthracene	ng/l	139 ± 7.99	136 ± 75.4	36.2	97.7	-0.09
Benzo[a]anthracene	ng/l	155 ± 13.7	193 ± 106	32.5	125	1.17
Benzo[a]pyrene	ng/l	128 ± 12.2	299 ± 191	30.8	233	5.55
Benzo[b]fluoranthene	ng/l	175 ± 16.2	1.5 ± 0.659	29.8	0.856	-5.83
Benzo[g,h,i]perylene	ng/l	133 ± 16.8	201 ± 96	33.3	151	2.03
Benzo[k]fluoranthene	ng/l	127 ± 9.09	298 ± 113	33.1	234	5.16
Chrysene	ng/l	129 ± 10.3	193 ± 46.5	28.3	150	2.26
Dibenzo[a,h]anthracene	ng/l	106 ± 18.7	146 ± 70.5	41.4	137	0.96
Fluoranthene	ng/l	153 ± 7.28	125 ± 58.4	27.6	81.5	-1.03

Summary of results Polycyclic Aromatic Hydrocarbons P25

Labcode: LC0001

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Fluorene	ng/l	157 ± 11.3	115 ± 49.1	21.9	73.4	-1.90
Indeno[1,2,3-cd]pyrene	ng/l	140 ± 15.1	295 ± 187	35	211	4.42
Naphthalene	ng/l	171 ± 15.1	112 ± 57.2	36	65.4	-1.65
Phenanthrene	ng/l	149 ± 10.4	104 ± 21.8	22.3	69.9	-2.01
Pyrene	ng/l	147 ± 6.62	117 ± 45.2	23.6	79.4	-1.29



Summary of results Polycyclic Aromatic Hydrocarbons P25 - En - Score

Labcode: LC0001

Sample: P25A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Acenaphthene	ng/l	21 ± 1.63	22 ± 13.3	3.99	105	0.04
Acenaphthylene	ng/l	19.3 ± 1.45	19.9 ± 15.9	4.63	103	0.02
Anthracene	ng/l	22.3 ± 0.802	22.5 ± 12.5	5.81	101	0.01
Benzo[a]anthracene	ng/l	22.1 ± 2.18	124 ± 68.2	4.64	561	0.75
Benzo[a]pyrene	ng/l	15.6 ± 3.07	110 ± 70.2	5.3	706	0.67
Benzo[b]fluoranthene	ng/l	22.1 ± 2.26	3.75 ± 1.65	3.76	16.9	-4.60
Benzo[g,h,i]perylene	ng/l	19.8 ± 2.33	82.5 ± 39.4	4.94	418	0.80
Benzo[k]fluoranthene	ng/l	19.7 ± 1.64	23.6 ± 8.97	5.11	120	0.22
Chrysene	ng/l	20.3 ± 2.06	121 ± 29.2	4.47	596	1.72
Dibenzo[a,h]anthracene	ng/l	21.2 ± 2	230 ± 111	6.36	1080	0.94
Fluoranthene	ng/l	23.1 ± 0.916	32.5 ± 15.2	4.16	140	0.31
Fluorene	ng/l	25.6 ± 1.41	16 ± 6.83	3.58	62.6	-0.70
Indeno[1,2,3-cd]pyrene	ng/l	21.4 ± 2.54	168 ± 107	5.35	785	0.68
Naphthalene	ng/l	28.3 ± 3.28	19.5 ± 9.95	5.94	68.9	-0.44
Phenanthrene	ng/l	25.3 ± 1.31	27.5 ± 5.76	3.8	109	0.19
Pyrene	ng/l	20.8 ± 1.04	25 ± 9.67	3.33	120	0.22

Sample: P25B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Acenaphthene	ng/l	129 ± 7.05	114 ± 69	24.5	88.4	-0.11
Acenaphthylene	ng/l	167 ± 15.5	93.8 ± 74.7	40.1	56.1	-0.49
Anthracene	ng/l	139 ± 7.99	136 ± 75.4	36.2	97.7	-0.02
Benzo[a]anthracene	ng/l	155 ± 13.7	193 ± 106	32.5	125	0.18

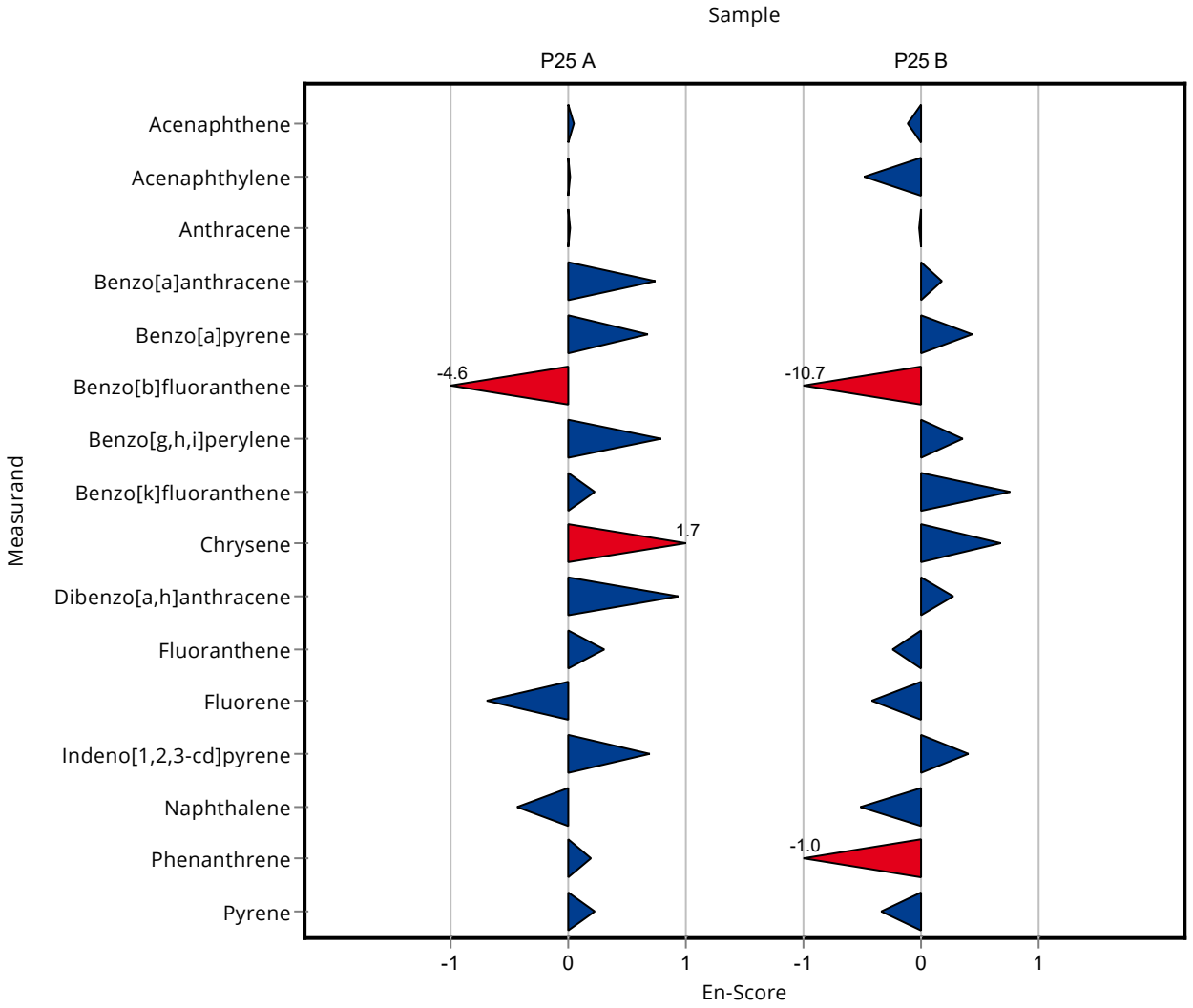
Summary of results Polycyclic Aromatic Hydrocarbons P25 - En - Score

Labcode: LC0001

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Benzo[a]pyrene	ng/l	128 ± 12.2	299 ± 191	30.8	233	0.45
Benzo[b]fluoranthene	ng/l	175 ± 16.2	1.5 ± 0.659	29.8	0.856	-10.69
Benzo[g,h,i]perylene	ng/l	133 ± 16.8	201 ± 96	33.3	151	0.35
Benzo[k]fluoranthene	ng/l	127 ± 9.09	298 ± 113	33.1	234	0.75
Chrysene	ng/l	129 ± 10.3	193 ± 46.5	28.3	150	0.69
Dibenzo[a,h]anthracene	ng/l	106 ± 18.7	146 ± 70.5	41.4	137	0.28
Fluoranthene	ng/l	153 ± 7.28	125 ± 58.4	27.6	81.5	-0.24
Fluorene	ng/l	157 ± 11.3	115 ± 49.1	21.9	73.4	-0.42
Indeno[1,2,3-cd]pyrene	ng/l	140 ± 15.1	295 ± 187	35	211	0.41
Naphthalene	ng/l	171 ± 15.1	112 ± 57.2	36	65.4	-0.51
Phenanthrene	ng/l	149 ± 10.4	104 ± 21.8	22.3	69.9	-1.00
Pyrene	ng/l	147 ± 6.62	117 ± 45.2	23.6	79.4	-0.34

Summary of results Polycyclic Aromatic Hydrocarbons P25 - En - Score

Labcode: LC0001



Summary of results Polycyclic Aromatic Hydrocarbons P25 Labcode: LC0002

Sample: P25A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Acenaphthene	ng/l	21 ± 1.63	21.22 ± 2	3.99	101	0.06
Acenaphthylene	ng/l	19.3 ± 1.45	21.21 ± 1.5	4.63	110	0.42
Anthracene	ng/l	22.3 ± 0.802	21.87 ± 1.7	5.81	97.9	-0.08
Benzo[a]anthracene	ng/l	22.1 ± 2.18	22.36 ± 4.9	4.64	101	0.06
Benzo[a]pyrene	ng/l	15.6 ± 3.07	13.87 ± 2.1	5.3	89	-0.32
Benzo[b]fluoranthene	ng/l	22.1 ± 2.26	21.68 ± 3.9	3.76	97.9	-0.12
Benzo[g,h,i]perylene	ng/l	19.8 ± 2.33	21.61 ± 1.8	4.94	109	0.37
Benzo[k]fluoranthene	ng/l	19.7 ± 1.64	19.78 ± 2.4	5.11	101	0.02
Chrysene	ng/l	20.3 ± 2.06	20 ± 1.7	4.47	98.5	-0.07
Dibenzo[a,h]anthracene	ng/l	21.2 ± 2	20.74 ± 2.5	6.36	97.8	-0.07
Fluoranthene	ng/l	23.1 ± 0.916	22.85 ± 2	4.16	98.8	-0.07
Fluorene	ng/l	25.6 ± 1.41	27.71 ± 2.4	3.58	108	0.60
Indeno[1,2,3-cd]pyrene	ng/l	21.4 ± 2.54	22.94 ± 4.9	5.35	107	0.29
Naphthalene	ng/l	28.3 ± 3.28	29.56 ± 3.3	5.94	104	0.21
Phenanthrene	ng/l	25.3 ± 1.31	25.08 ± 2.6	3.8	99.1	-0.06
Pyrene	ng/l	20.8 ± 1.04	20.68 ± 1.8	3.33	99.3	-0.04

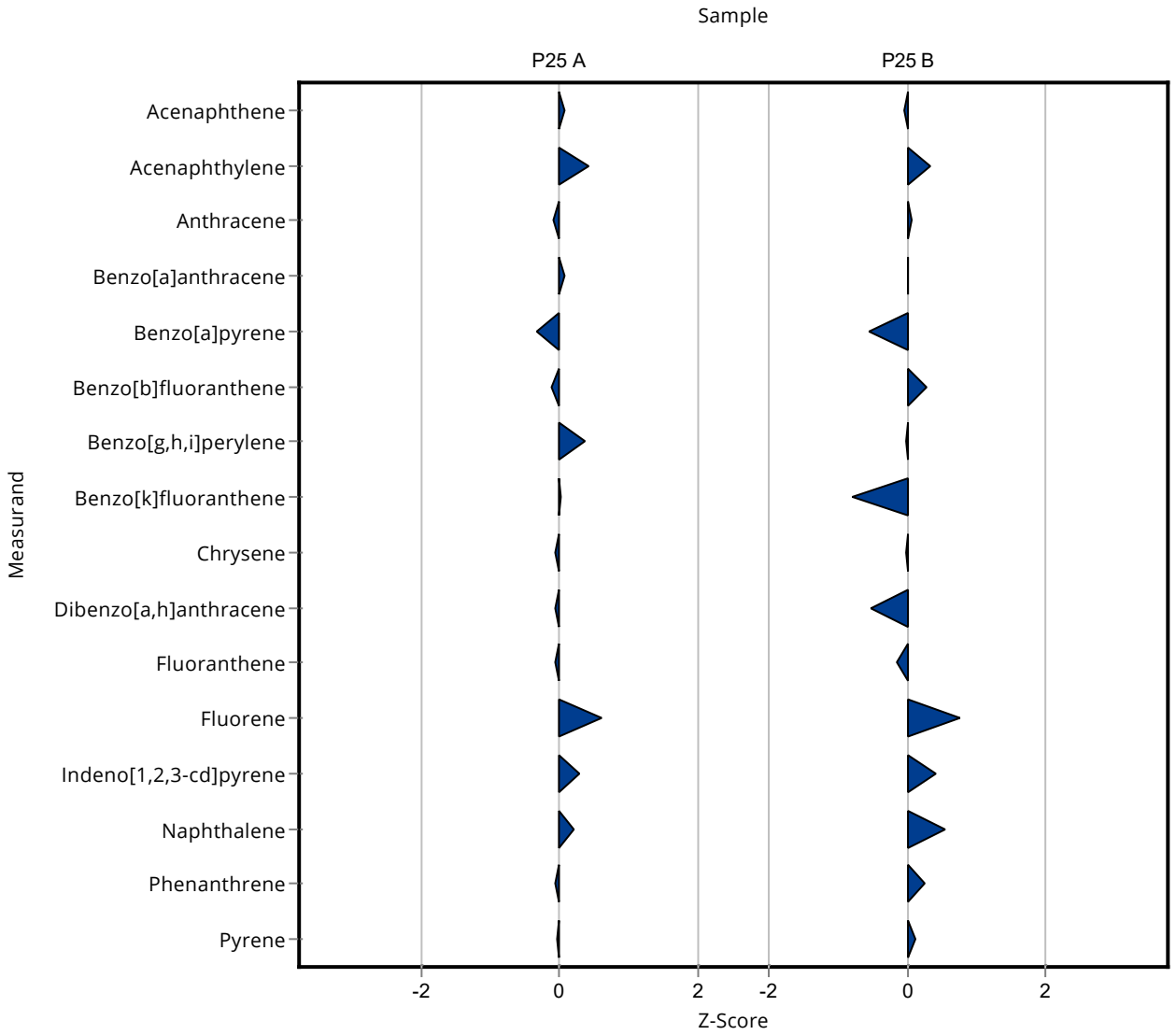
Sample: P25B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Acenaphthene	ng/l	129 ± 7.05	127.76 ± 12.3	24.5	99.1	-0.05
Acenaphthylene	ng/l	167 ± 15.5	180.9 ± 12.7	40.1	108	0.34
Anthracene	ng/l	139 ± 7.99	141.31 ± 11.2	36.2	102	0.06
Benzo[a]anthracene	ng/l	155 ± 13.7	155.52 ± 33.7	32.5	100	0.02
Benzo[a]pyrene	ng/l	128 ± 12.2	111.42 ± 16.8	30.8	86.9	-0.54
Benzo[b]fluoranthene	ng/l	175 ± 16.2	183.48 ± 33.2	29.8	105	0.28
Benzo[g,h,i]perylene	ng/l	133 ± 16.8	133.1 ± 11.3	33.3	99.8	-0.01
Benzo[k]fluoranthene	ng/l	127 ± 9.09	101.43 ± 12.1	33.1	79.7	-0.78
Chrysene	ng/l	129 ± 10.3	128.43 ± 11	28.3	99.7	-0.01
Dibenzo[a,h]anthracene	ng/l	106 ± 18.7	84.02 ± 10.1	41.4	79.1	-0.54
Fluoranthene	ng/l	153 ± 7.28	149.49 ± 13.3	27.6	97.5	-0.14

Summary of results Polycyclic Aromatic Hydrocarbons P25

Labcode: LC0002

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Fluorene	ng/l	157 ± 11.3	173.35 ± 14.7	21.9	111	0.76
Indeno[1,2,3-cd]pyrene	ng/l	140 ± 15.1	154.77 ± 33.3	35	110	0.42
Naphthalene	ng/l	171 ± 15.1	191.3 ± 21.2	36	112	0.56
Phenanthrene	ng/l	149 ± 10.4	154.51 ± 15.8	22.3	104	0.25
Pyrene	ng/l	147 ± 6.62	150.18 ± 13.4	23.6	102	0.12



Summary of results Polycyclic Aromatic Hydrocarbons P25 - En - Score

Labcode: LC0002

Sample: P25A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Acenaphthene	ng/l	21 ± 1.63	21.22 ± 2	3.99	101	0.06
Acenaphthylene	ng/l	19.3 ± 1.45	21.21 ± 1.5	4.63	110	0.58
Anthracene	ng/l	22.3 ± 0.802	21.87 ± 1.7	5.81	97.9	-0.14
Benzo[a]anthracene	ng/l	22.1 ± 2.18	22.36 ± 4.9	4.64	101	0.03
Benzo[a]pyrene	ng/l	15.6 ± 3.07	13.87 ± 2.1	5.3	89	-0.33
Benzo[b]fluoranthene	ng/l	22.1 ± 2.26	21.68 ± 3.9	3.76	97.9	-0.06
Benzo[g,h,i]perylene	ng/l	19.8 ± 2.33	21.61 ± 1.8	4.94	109	0.43
Benzo[k]fluoranthene	ng/l	19.7 ± 1.64	19.78 ± 2.4	5.11	101	0.02
Chrysene	ng/l	20.3 ± 2.06	20 ± 1.7	4.47	98.5	-0.07
Dibenzo[a,h]anthracene	ng/l	21.2 ± 2	20.74 ± 2.5	6.36	97.8	-0.09
Fluoranthene	ng/l	23.1 ± 0.916	22.85 ± 2	4.16	98.8	-0.07
Fluorene	ng/l	25.6 ± 1.41	27.71 ± 2.4	3.58	108	0.43
Indeno[1,2,3-cd]pyrene	ng/l	21.4 ± 2.54	22.94 ± 4.9	5.35	107	0.15
Naphthalene	ng/l	28.3 ± 3.28	29.56 ± 3.3	5.94	104	0.17
Phenanthrene	ng/l	25.3 ± 1.31	25.08 ± 2.6	3.8	99.1	-0.04
Pyrene	ng/l	20.8 ± 1.04	20.68 ± 1.8	3.33	99.3	-0.04

Sample: P25B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Acenaphthene	ng/l	129 ± 7.05	127.76 ± 12.3	24.5	99.1	-0.05
Acenaphthylene	ng/l	167 ± 15.5	180.9 ± 12.7	40.1	108	0.46
Anthracene	ng/l	139 ± 7.99	141.31 ± 11.2	36.2	102	0.09
Benzo[a]anthracene	ng/l	155 ± 13.7	155.52 ± 33.7	32.5	100	0.01

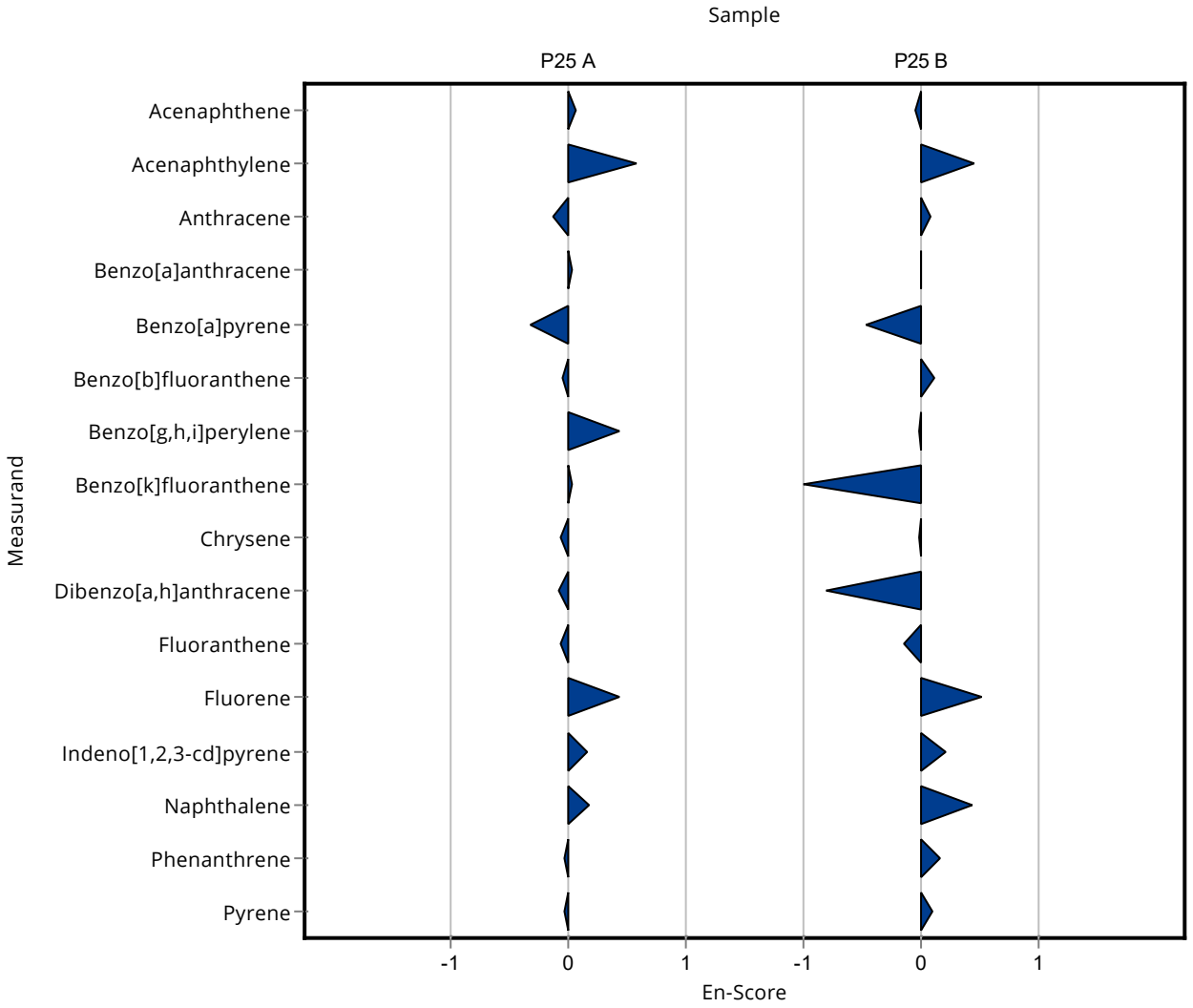
Summary of results Polycyclic Aromatic Hydrocarbons P25 - En - Score

Labcode: LC0002

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Benzo[a]pyrene	ng/l	128 ± 12.2	111.42 ± 16.8	30.8	86.9	-0.47
Benzo[b]fluoranthene	ng/l	175 ± 16.2	183.48 ± 33.2	29.8	105	0.12
Benzo[g,h,i]perylene	ng/l	133 ± 16.8	133.1 ± 11.3	33.3	99.8	-0.01
Benzo[k]fluoranthene	ng/l	127 ± 9.09	101.43 ± 12.1	33.1	79.7	-1.00
Chrysene	ng/l	129 ± 10.3	128.43 ± 11	28.3	99.7	-0.02
Dibenzo[a,h]anthracene	ng/l	106 ± 18.7	84.02 ± 10.1	41.4	79.1	-0.81
Fluoranthene	ng/l	153 ± 7.28	149.49 ± 13.3	27.6	97.5	-0.14
Fluorene	ng/l	157 ± 11.3	173.35 ± 14.7	21.9	111	0.53
Indeno[1,2,3-cd]pyrene	ng/l	140 ± 15.1	154.77 ± 33.3	35	110	0.22
Naphthalene	ng/l	171 ± 15.1	191.3 ± 21.2	36	112	0.44
Phenanthrene	ng/l	149 ± 10.4	154.51 ± 15.8	22.3	104	0.17
Pyrene	ng/l	147 ± 6.62	150.18 ± 13.4	23.6	102	0.10

Summary of results Polycyclic Aromatic Hydrocarbons P25 - En - Score

Labcode: LC0002



Summary of results Polycyclic Aromatic Hydrocarbons P25 Labcode: LC0003

Sample: P25A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Acenaphthene	ng/l	21 ± 1.63	24 ± 1	3.99	114	0.76
Acenaphthylene	ng/l	19.3 ± 1.45	21 ± 1	4.63	109	0.37
Anthracene	ng/l	22.3 ± 0.802	24 ± 1	5.81	107	0.28
Benzo[a]anthracene	ng/l	22.1 ± 2.18	18 ± 1	4.64	81.5	-0.88
Benzo[a]pyrene	ng/l	15.6 ± 3.07	13 ± 1	5.3	83.4	-0.49
Benzo[b]fluoranthene	ng/l	22.1 ± 2.26	23 ± 1	3.76	104	0.23
Benzo[g,h,i]perylene	ng/l	19.8 ± 2.33	18 ± 1	4.94	91.1	-0.36
Benzo[k]fluoranthene	ng/l	19.7 ± 1.64	20 ± 1	5.11	102	0.06
Chrysene	ng/l	20.3 ± 2.06	24 ± 1	4.47	118	0.83
Dibenzo[a,h]anthracene	ng/l	21.2 ± 2	20 ± 1	6.36	94.3	-0.19
Fluoranthene	ng/l	23.1 ± 0.916	22 ± 1	4.16	95.1	-0.27
Fluorene	ng/l	25.6 ± 1.41	29 ± 1	3.58	113	0.96
Indeno[1,2,3-cd]pyrene	ng/l	21.4 ± 2.54	24 ± 1	5.35	112	0.49
Naphthalene	ng/l	28.3 ± 3.28	- ± -	5.94	-	-
Phenanthrene	ng/l	25.3 ± 1.31	36 ± 2	3.8	142	2.82
Pyrene	ng/l	20.8 ± 1.04	20 ± 1	3.33	96.1	-0.25

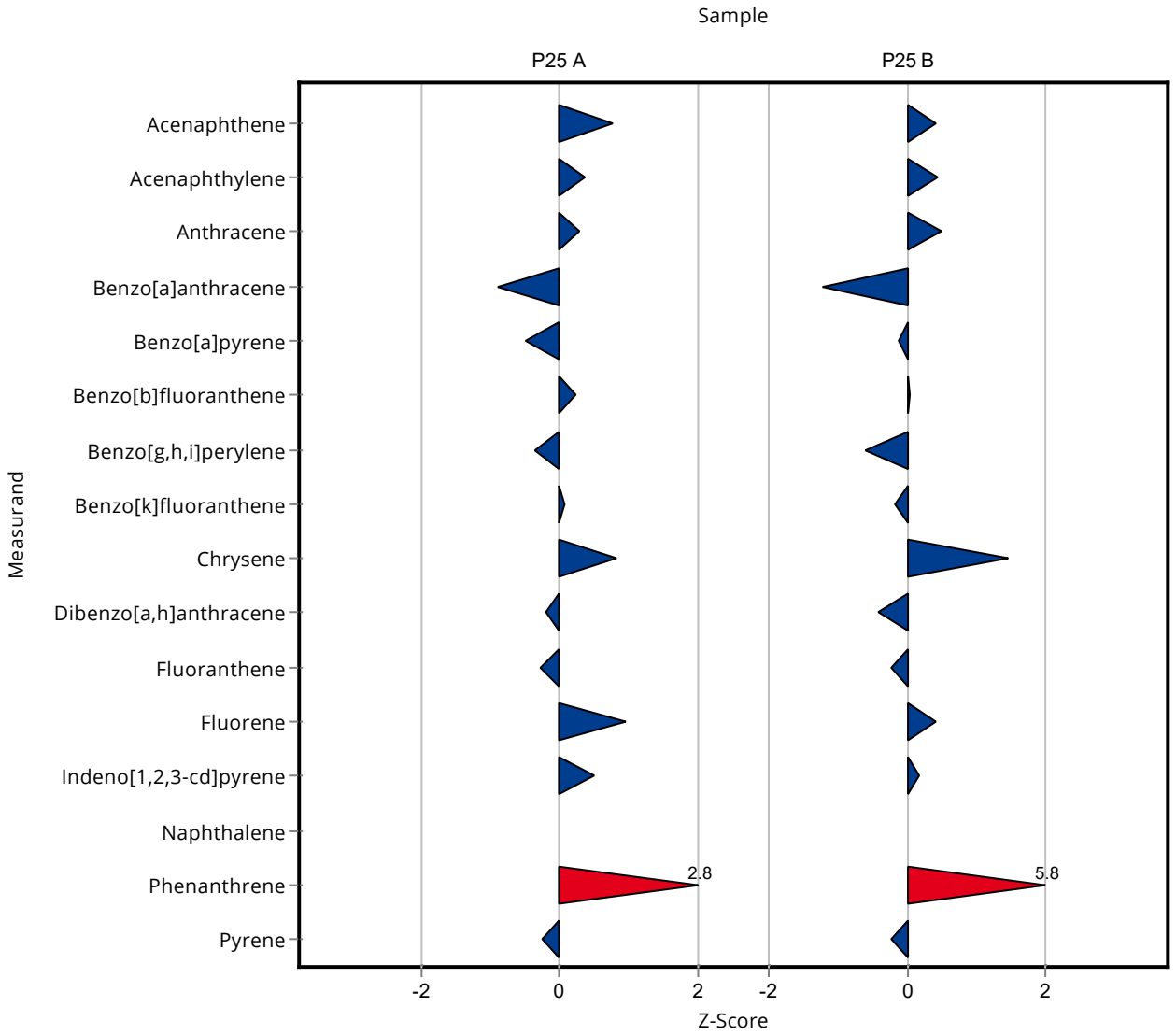
Sample: P25B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Acenaphthene	ng/l	129 ± 7.05	139 ± 6	24.5	108	0.41
Acenaphthylene	ng/l	167 ± 15.5	185 ± 8	40.1	111	0.44
Anthracene	ng/l	139 ± 7.99	157 ± 7	36.2	113	0.49
Benzo[a]anthracene	ng/l	155 ± 13.7	115 ± 5	32.5	74.2	-1.23
Benzo[a]pyrene	ng/l	128 ± 12.2	124 ± 5	30.8	96.7	-0.14
Benzo[b]fluoranthene	ng/l	175 ± 16.2	176 ± 8	29.8	100	0.02
Benzo[g,h,i]perylene	ng/l	133 ± 16.8	113 ± 5	33.3	84.7	-0.61
Benzo[k]fluoranthene	ng/l	127 ± 9.09	121 ± 5	33.1	95.1	-0.19
Chrysene	ng/l	129 ± 10.3	170 ± 7	28.3	132	1.45
Dibenzo[a,h]anthracene	ng/l	106 ± 18.7	89 ± 4	41.4	83.8	-0.41
Fluoranthene	ng/l	153 ± 7.28	147 ± 6	27.6	95.9	-0.23

Summary of results Polycyclic Aromatic Hydrocarbons P25

Labcode: LC0003

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Fluorene	ng/l	157 ± 11.3	166 ± 7	21.9	106	0.42
Indeno[1,2,3-cd]pyrene	ng/l	140 ± 15.1	146 ± 6	35	104	0.17
Naphthalene	ng/l	171 ± 15.1	- ± -	36	-	-
Phenanthrene	ng/l	149 ± 10.4	278 ± 12	22.3	187	5.78
Pyrene	ng/l	147 ± 6.62	142 ± 6	23.6	96.3	-0.23



Summary of results Polycyclic Aromatic Hydrocarbons P25 - En - Score

Labcode: LC0003

Sample: P25A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Acenaphthene	ng/l	21 ± 1.63	24 ± 1	3.99	114	1.17
Acenaphthylene	ng/l	19.3 ± 1.45	21 ± 1	4.63	109	0.70
Anthracene	ng/l	22.3 ± 0.802	24 ± 1	5.81	107	0.77
Benzo[a]anthracene	ng/l	22.1 ± 2.18	18 ± 1	4.64	81.5	-1.38
Benzo[a]pyrene	ng/l	15.6 ± 3.07	13 ± 1	5.3	83.4	-0.71
Benzo[b]fluoranthene	ng/l	22.1 ± 2.26	23 ± 1	3.76	104	0.28
Benzo[g,h,i]perylene	ng/l	19.8 ± 2.33	18 ± 1	4.94	91.1	-0.57
Benzo[k]fluoranthene	ng/l	19.7 ± 1.64	20 ± 1	5.11	102	0.13
Chrysene	ng/l	20.3 ± 2.06	24 ± 1	4.47	118	1.29
Dibenzo[a,h]anthracene	ng/l	21.2 ± 2	20 ± 1	6.36	94.3	-0.43
Fluoranthene	ng/l	23.1 ± 0.916	22 ± 1	4.16	95.1	-0.52
Fluorene	ng/l	25.6 ± 1.41	29 ± 1	3.58	113	1.40
Indeno[1,2,3-cd]pyrene	ng/l	21.4 ± 2.54	24 ± 1	5.35	112	0.80
Naphthalene	ng/l	28.3 ± 3.28	- ± -	5.94	-	-
Phenanthrene	ng/l	25.3 ± 1.31	36 ± 2	3.8	142	2.54
Pyrene	ng/l	20.8 ± 1.04	20 ± 1	3.33	96.1	-0.36

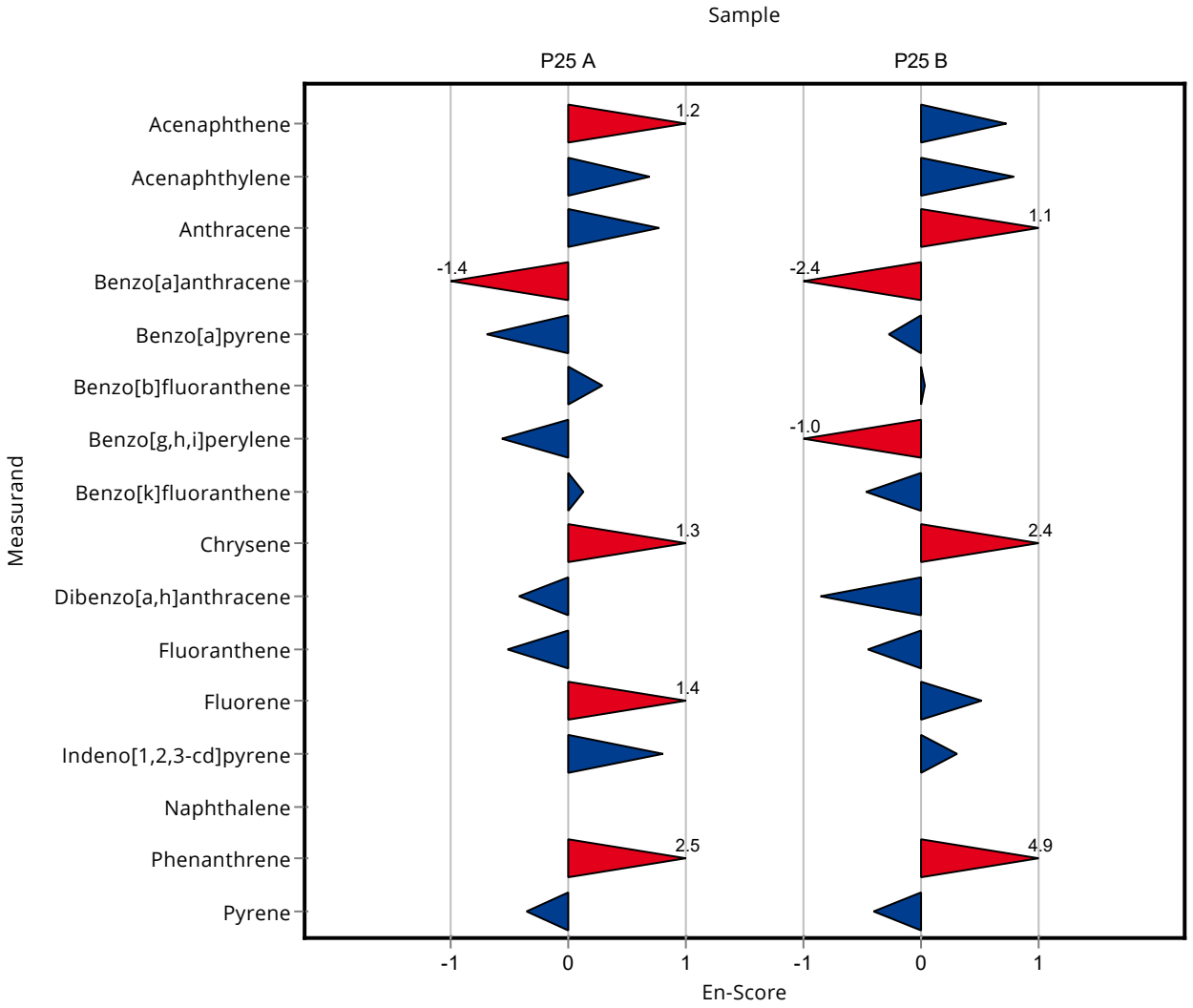
Sample: P25B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Acenaphthene	ng/l	129 ± 7.05	139 ± 6	24.5	108	0.72
Acenaphthylene	ng/l	167 ± 15.5	185 ± 8	40.1	111	0.80
Anthracene	ng/l	139 ± 7.99	157 ± 7	36.2	113	1.11
Benzo[a]anthracene	ng/l	155 ± 13.7	115 ± 5	32.5	74.2	-2.36

Summary of results Polycyclic Aromatic Hydrocarbons P25 - En - Score

Labcode: LC0003

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Benzo[a]pyrene	ng/l	128 ± 12.2	124 ± 5	30.8	96.7	-0.27
Benzo[b]fluoranthene	ng/l	175 ± 16.2	176 ± 8	29.8	100	0.03
Benzo[g,h,i]perylene	ng/l	133 ± 16.8	113 ± 5	33.3	84.7	-1.04
Benzo[k]fluoranthene	ng/l	127 ± 9.09	121 ± 5	33.1	95.1	-0.46
Chrysene	ng/l	129 ± 10.3	170 ± 7	28.3	132	2.36
Dibenzo[a,h]anthracene	ng/l	106 ± 18.7	89 ± 4	41.4	83.8	-0.85
Fluoranthene	ng/l	153 ± 7.28	147 ± 6	27.6	95.9	-0.45
Fluorene	ng/l	157 ± 11.3	166 ± 7	21.9	106	0.52
Indeno[1,2,3-cd]pyrene	ng/l	140 ± 15.1	146 ± 6	35	104	0.31
Naphthalene	ng/l	171 ± 15.1	- ± -	36	-	-
Phenanthrene	ng/l	149 ± 10.4	278 ± 12	22.3	187	4.94
Pyrene	ng/l	147 ± 6.62	142 ± 6	23.6	96.3	-0.40


Sample
P25 A
P25 B
Acenaphthene
Acenaphthylene
Anthracene
Benzo[a]anthracene
Benzo[a]pyrene
Benzo[b]fluoranthene
Benzo[g,h,i]perylene
Benzo[k]fluoranthene
Chrysene
Dibenzo[a,h]anthracene
Fluoranthene
Fluorene
Indeno[1,2,3-cd]pyrene
Naphthalene
Phenanthrene
Pyrene
Measurand
1.2
-1.4
1.3
1.4
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1.1
-2.4
-1.0
2.4
4.9
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0
1
En-Score

Summary of results Polycyclic Aromatic Hydrocarbons P25 Labcode: LC0004

Sample: P25A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Acenaphthene	ng/l	21 ± 1.63	- ± -	3.99	-	-
Acenaphthylene	ng/l	19.3 ± 1.45	- ± -	4.63	-	-
Anthracene	ng/l	22.3 ± 0.802	- ± -	5.81	-	-
Benzo[a]anthracene	ng/l	22.1 ± 2.18	- ± -	4.64	-	-
Benzo[a]pyrene	ng/l	15.6 ± 3.07	- ± -	5.3	-	-
Benzo[b]fluoranthene	ng/l	22.1 ± 2.26	- ± -	3.76	-	-
Benzo[g,h,i]perylene	ng/l	19.8 ± 2.33	- ± -	4.94	-	-
Benzo[k]fluoranthene	ng/l	19.7 ± 1.64	- ± -	5.11	-	-
Chrysene	ng/l	20.3 ± 2.06	- ± -	4.47	-	-
Dibenzo[a,h]anthracene	ng/l	21.2 ± 2	- ± -	6.36	-	-
Fluoranthene	ng/l	23.1 ± 0.916	- ± -	4.16	-	-
Fluorene	ng/l	25.6 ± 1.41	- ± -	3.58	-	-
Indeno[1,2,3-cd]pyrene	ng/l	21.4 ± 2.54	- ± -	5.35	-	-
Naphthalene	ng/l	28.3 ± 3.28	- ± -	5.94	-	-
Phenanthrene	ng/l	25.3 ± 1.31	- ± -	3.8	-	-
Pyrene	ng/l	20.8 ± 1.04	- ± -	3.33	-	-

Sample: P25B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Acenaphthene	ng/l	129 ± 7.05	- ± -	24.5	-	-
Acenaphthylene	ng/l	167 ± 15.5	- ± -	40.1	-	-
Anthracene	ng/l	139 ± 7.99	- ± -	36.2	-	-
Benzo[a]anthracene	ng/l	155 ± 13.7	- ± -	32.5	-	-
Benzo[a]pyrene	ng/l	128 ± 12.2	- ± -	30.8	-	-
Benzo[b]fluoranthene	ng/l	175 ± 16.2	- ± -	29.8	-	-
Benzo[g,h,i]perylene	ng/l	133 ± 16.8	- ± -	33.3	-	-
Benzo[k]fluoranthene	ng/l	127 ± 9.09	- ± -	33.1	-	-
Chrysene	ng/l	129 ± 10.3	- ± -	28.3	-	-
Dibenzo[a,h]anthracene	ng/l	106 ± 18.7	- ± -	41.4	-	-
Fluoranthene	ng/l	153 ± 7.28	- ± -	27.6	-	-

Summary of results Polycyclic Aromatic Hydrocarbons P25

Labcode: LC0004

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Fluorene	ng/l	157 ± 11.3	- ± -	21.9	-	-
Indeno[1,2,3-cd]pyrene	ng/l	140 ± 15.1	- ± -	35	-	-
Naphthalene	ng/l	171 ± 15.1	- ± -	36	-	-
Phenanthrene	ng/l	149 ± 10.4	- ± -	22.3	-	-
Pyrene	ng/l	147 ± 6.62	- ± -	23.6	-	-

Summary of results Polycyclic Aromatic Hydrocarbons P25 - En - Score

Labcode: LC0004

Sample: P25A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Acenaphthene	ng/l	21 ± 1.63	- ± -	3.99	-	-
Acenaphthylene	ng/l	19.3 ± 1.45	- ± -	4.63	-	-
Anthracene	ng/l	22.3 ± 0.802	- ± -	5.81	-	-
Benzo[a]anthracene	ng/l	22.1 ± 2.18	- ± -	4.64	-	-
Benzo[a]pyrene	ng/l	15.6 ± 3.07	- ± -	5.3	-	-
Benzo[b]fluoranthene	ng/l	22.1 ± 2.26	- ± -	3.76	-	-
Benzo[g,h,i]perylene	ng/l	19.8 ± 2.33	- ± -	4.94	-	-
Benzo[k]fluoranthene	ng/l	19.7 ± 1.64	- ± -	5.11	-	-
Chrysene	ng/l	20.3 ± 2.06	- ± -	4.47	-	-
Dibenzo[a,h]anthracene	ng/l	21.2 ± 2	- ± -	6.36	-	-
Fluoranthene	ng/l	23.1 ± 0.916	- ± -	4.16	-	-
Fluorene	ng/l	25.6 ± 1.41	- ± -	3.58	-	-
Indeno[1,2,3-cd]pyrene	ng/l	21.4 ± 2.54	- ± -	5.35	-	-
Naphthalene	ng/l	28.3 ± 3.28	- ± -	5.94	-	-
Phenanthrene	ng/l	25.3 ± 1.31	- ± -	3.8	-	-
Pyrene	ng/l	20.8 ± 1.04	- ± -	3.33	-	-

Sample: P25B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Acenaphthene	ng/l	129 ± 7.05	- ± -	24.5	-	-
Acenaphthylene	ng/l	167 ± 15.5	- ± -	40.1	-	-
Anthracene	ng/l	139 ± 7.99	- ± -	36.2	-	-
Benzo[a]anthracene	ng/l	155 ± 13.7	- ± -	32.5	-	-

Summary of results Polycyclic Aromatic Hydrocarbons P25 - En - Score

Labcode: LC0004

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Benzo[a]pyrene	ng/l	128 ± 12.2	- ± -	30.8	-	-
Benzo[b]fluoranthene	ng/l	175 ± 16.2	- ± -	29.8	-	-
Benzo[g,h,i]perylene	ng/l	133 ± 16.8	- ± -	33.3	-	-
Benzo[k]fluoranthene	ng/l	127 ± 9.09	- ± -	33.1	-	-
Chrysene	ng/l	129 ± 10.3	- ± -	28.3	-	-
Dibenzo[a,h]anthracene	ng/l	106 ± 18.7	- ± -	41.4	-	-
Fluoranthene	ng/l	153 ± 7.28	- ± -	27.6	-	-
Fluorene	ng/l	157 ± 11.3	- ± -	21.9	-	-
Indeno[1,2,3-cd]pyrene	ng/l	140 ± 15.1	- ± -	35	-	-
Naphthalene	ng/l	171 ± 15.1	- ± -	36	-	-
Phenanthrene	ng/l	149 ± 10.4	- ± -	22.3	-	-
Pyrene	ng/l	147 ± 6.62	- ± -	23.6	-	-

Summary of results Polycyclic Aromatic Hydrocarbons P25 Labcode: LC0005

Sample: P25A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Acenaphthene	ng/l	21 ± 1.63	23.4 ± 2.34	3.99	112	0.61
Acenaphthylene	ng/l	19.3 ± 1.45	19.5 ± 1.95	4.63	101	0.05
Anthracene	ng/l	22.3 ± 0.802	21.4 ± 2.14	5.81	95.8	-0.16
Benzo[a]anthracene	ng/l	22.1 ± 2.18	23 ± 2.3	4.64	104	0.20
Benzo[a]pyrene	ng/l	15.6 ± 3.07	14.1 ± 1.41	5.3	90.5	-0.28
Benzo[b]fluoranthene	ng/l	22.1 ± 2.26	22.2 ± 2.22	3.76	100	0.02
Benzo[g,h,i]perylene	ng/l	19.8 ± 2.33	18.5 ± 1.85	4.94	93.6	-0.25
Benzo[k]fluoranthene	ng/l	19.7 ± 1.64	20 ± 2	5.11	102	0.06
Chrysene	ng/l	20.3 ± 2.06	17.8 ± 1.78	4.47	87.7	-0.56
Dibenzo[a,h]anthracene	ng/l	21.2 ± 2	19.5 ± 1.95	6.36	91.9	-0.27
Fluoranthene	ng/l	23.1 ± 0.916	23.1 ± 2.31	4.16	99.8	-0.01
Fluorene	ng/l	25.6 ± 1.41	24.5 ± 2.45	3.58	95.8	-0.30
Indeno[1,2,3-cd]pyrene	ng/l	21.4 ± 2.54	22.3 ± 2.23	5.35	104	0.17
Naphthalene	ng/l	28.3 ± 3.28	25.4 ± 2.54	5.94	89.8	-0.49
Phenanthrene	ng/l	25.3 ± 1.31	23.8 ± 2.38	3.8	94.1	-0.40
Pyrene	ng/l	20.8 ± 1.04	20 ± 2	3.33	96.1	-0.25

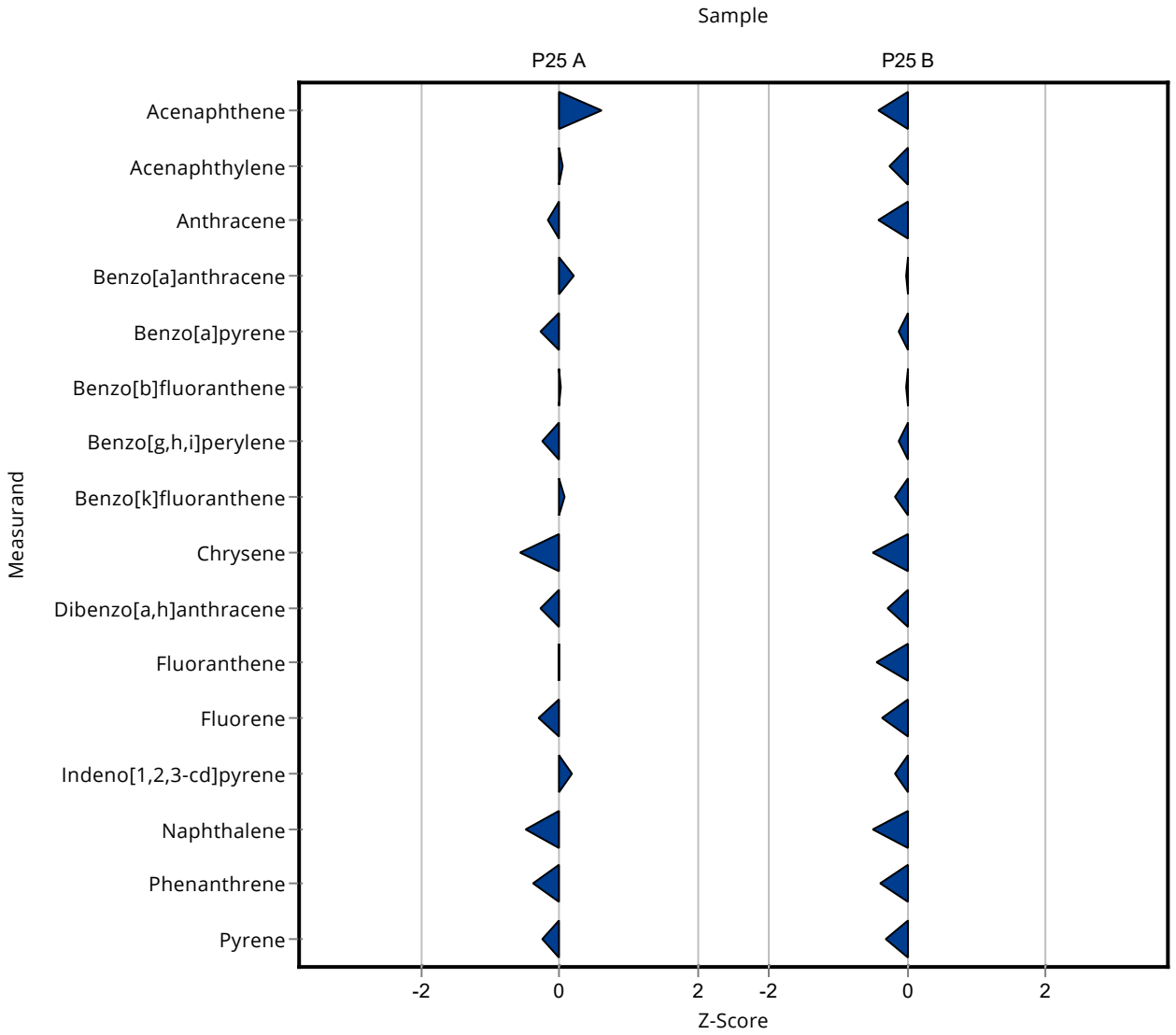
Sample: P25B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Acenaphthene	ng/l	129 ± 7.05	119 ± 11.9	24.5	92.3	-0.41
Acenaphthylene	ng/l	167 ± 15.5	157 ± 15.7	40.1	93.9	-0.25
Anthracene	ng/l	139 ± 7.99	124 ± 12.4	36.2	89.1	-0.42
Benzo[a]anthracene	ng/l	155 ± 13.7	154 ± 15.4	32.5	99.4	-0.03
Benzo[a]pyrene	ng/l	128 ± 12.2	124 ± 12.4	30.8	96.7	-0.14
Benzo[b]fluoranthene	ng/l	175 ± 16.2	175 ± 17.5	29.8	99.8	-0.01
Benzo[g,h,i]perylene	ng/l	133 ± 16.8	129 ± 12.9	33.3	96.7	-0.13
Benzo[k]fluoranthene	ng/l	127 ± 9.09	121 ± 12.1	33.1	95.1	-0.19
Chrysene	ng/l	129 ± 10.3	115 ± 11.5	28.3	89.2	-0.49
Dibenzo[a,h]anthracene	ng/l	106 ± 18.7	94.1 ± 9.41	41.4	88.6	-0.29
Fluoranthene	ng/l	153 ± 7.28	141 ± 14.1	27.6	92	-0.45

Summary of results Polycyclic Aromatic Hydrocarbons P25

Labcode: LC0005

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Fluorene	ng/l	157 ± 11.3	149 ± 14.9	21.9	95.1	-0.35
Indeno[1,2,3-cd]pyrene	ng/l	140 ± 15.1	134 ± 13.4	35	95.7	-0.17
Naphthalene	ng/l	171 ± 15.1	153 ± 15.3	36	89.3	-0.51
Phenanthrene	ng/l	149 ± 10.4	140 ± 14	22.3	94.1	-0.40
Pyrene	ng/l	147 ± 6.62	140 ± 14	23.6	95	-0.32



Sample: P25A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Acenaphthene	ng/l	21 ± 1.63	23.4 ± 2.34	3.99	112	0.49
Acenaphthylene	ng/l	19.3 ± 1.45	19.5 ± 1.95	4.63	101	0.05
Anthracene	ng/l	22.3 ± 0.802	21.4 ± 2.14	5.81	95.8	-0.22
Benzo[a]anthracene	ng/l	22.1 ± 2.18	23 ± 2.3	4.64	104	0.18
Benzo[a]pyrene	ng/l	15.6 ± 3.07	14.1 ± 1.41	5.3	90.5	-0.36
Benzo[b]fluoranthene	ng/l	22.1 ± 2.26	22.2 ± 2.22	3.76	100	0.01
Benzo[g,h,i]perylene	ng/l	19.8 ± 2.33	18.5 ± 1.85	4.94	93.6	-0.29
Benzo[k]fluoranthene	ng/l	19.7 ± 1.64	20 ± 2	5.11	102	0.08
Chrysene	ng/l	20.3 ± 2.06	17.8 ± 1.78	4.47	87.7	-0.61
Dibenzo[a,h]anthracene	ng/l	21.2 ± 2	19.5 ± 1.95	6.36	91.9	-0.39
Fluoranthene	ng/l	23.1 ± 0.916	23.1 ± 2.31	4.16	99.8	-0.01
Fluorene	ng/l	25.6 ± 1.41	24.5 ± 2.45	3.58	95.8	-0.21
Indeno[1,2,3-cd]pyrene	ng/l	21.4 ± 2.54	22.3 ± 2.23	5.35	104	0.18
Naphthalene	ng/l	28.3 ± 3.28	25.4 ± 2.54	5.94	89.8	-0.48
Phenanthrene	ng/l	25.3 ± 1.31	23.8 ± 2.38	3.8	94.1	-0.30
Pyrene	ng/l	20.8 ± 1.04	20 ± 2	3.33	96.1	-0.20

Sample: P25B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Acenaphthene	ng/l	129 ± 7.05	119 ± 11.9	24.5	92.3	-0.40
Acenaphthylene	ng/l	167 ± 15.5	157 ± 15.7	40.1	93.9	-0.29
Anthracene	ng/l	139 ± 7.99	124 ± 12.4	36.2	89.1	-0.58
Benzo[a]anthracene	ng/l	155 ± 13.7	154 ± 15.4	32.5	99.4	-0.03

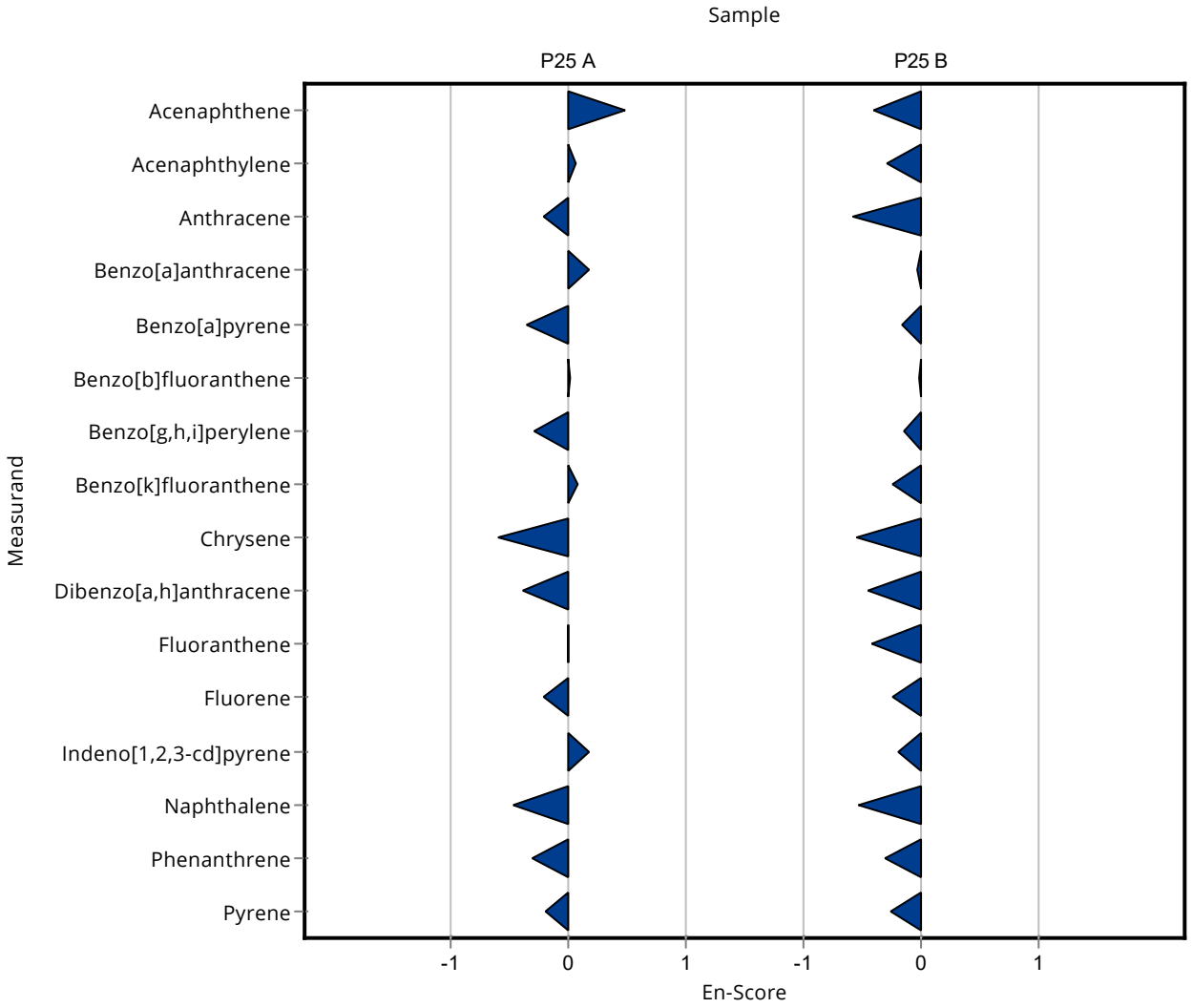
Summary of results Polycyclic Aromatic Hydrocarbons P25 - En - Score

Labcode: LC0005

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Benzo[a]pyrene	ng/l	128 ± 12.2	124 ± 12.4	30.8	96.7	-0.15
Benzo[b]fluoranthene	ng/l	175 ± 16.2	175 ± 17.5	29.8	99.8	-0.01
Benzo[g,h,i]perylene	ng/l	133 ± 16.8	129 ± 12.9	33.3	96.7	-0.14
Benzo[k]fluoranthene	ng/l	127 ± 9.09	121 ± 12.1	33.1	95.1	-0.24
Chrysene	ng/l	129 ± 10.3	115 ± 11.5	28.3	89.2	-0.55
Dibenzo[a,h]anthracene	ng/l	106 ± 18.7	94.1 ± 9.41	41.4	88.6	-0.46
Fluoranthene	ng/l	153 ± 7.28	141 ± 14.1	27.6	92	-0.42
Fluorene	ng/l	157 ± 11.3	149 ± 14.9	21.9	95.1	-0.24
Indeno[1,2,3-cd]pyrene	ng/l	140 ± 15.1	134 ± 13.4	35	95.7	-0.20
Naphthalene	ng/l	171 ± 15.1	153 ± 15.3	36	89.3	-0.54
Phenanthrene	ng/l	149 ± 10.4	140 ± 14	22.3	94.1	-0.30
Pyrene	ng/l	147 ± 6.62	140 ± 14	23.6	95	-0.26

Summary of results Polycyclic Aromatic Hydrocarbons P25 - En - Score

Labcode: LC0005



Summary of results Polycyclic Aromatic Hydrocarbons P25 Labcode: LC0006

Sample: P25A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Acenaphthene	ng/l	21 ± 1.63	31.9 ± 1.6	3.99	152	2.74
Acenaphthylene	ng/l	19.3 ± 1.45	11.6 ± 0.58	4.63	60.2	-1.66
Anthracene	ng/l	22.3 ± 0.802	38 ± 1.9	5.81	170	2.69
Benzo[a]anthracene	ng/l	22.1 ± 2.18	20.7 ± 1.1	4.64	93.7	-0.30
Benzo[a]pyrene	ng/l	15.6 ± 3.07	9.11 ± 0.46	5.3	58.4	-1.22
Benzo[b]fluoranthene	ng/l	22.1 ± 2.26	25.8 ± 1.3	3.76	117	0.97
Benzo[g,h,i]perylene	ng/l	19.8 ± 2.33	19.8 ± 0.99	4.94	100	0.01
Benzo[k]fluoranthene	ng/l	19.7 ± 1.64	23.3 ± 1.2	5.11	118	0.71
Chrysene	ng/l	20.3 ± 2.06	16.8 ± 0.84	4.47	82.8	-0.78
Dibenzo[a,h]anthracene	ng/l	21.2 ± 2	22.5 ± 1.1	6.36	106	0.20
Fluoranthene	ng/l	23.1 ± 0.916	25.4 ± 1.3	4.16	110	0.54
Fluorene	ng/l	25.6 ± 1.41	25.8 ± 1.3	3.58	101	0.06
Indeno[1,2,3-cd]pyrene	ng/l	21.4 ± 2.54	20.1 ± 1.1	5.35	93.9	-0.24
Naphthalene	ng/l	28.3 ± 3.28	40.5 ± 2.1	5.94	143	2.05
Phenanthrene	ng/l	25.3 ± 1.31	30.3 ± 1.5	3.8	120	1.32
Pyrene	ng/l	20.8 ± 1.04	18.9 ± 0.95	3.33	90.8	-0.58

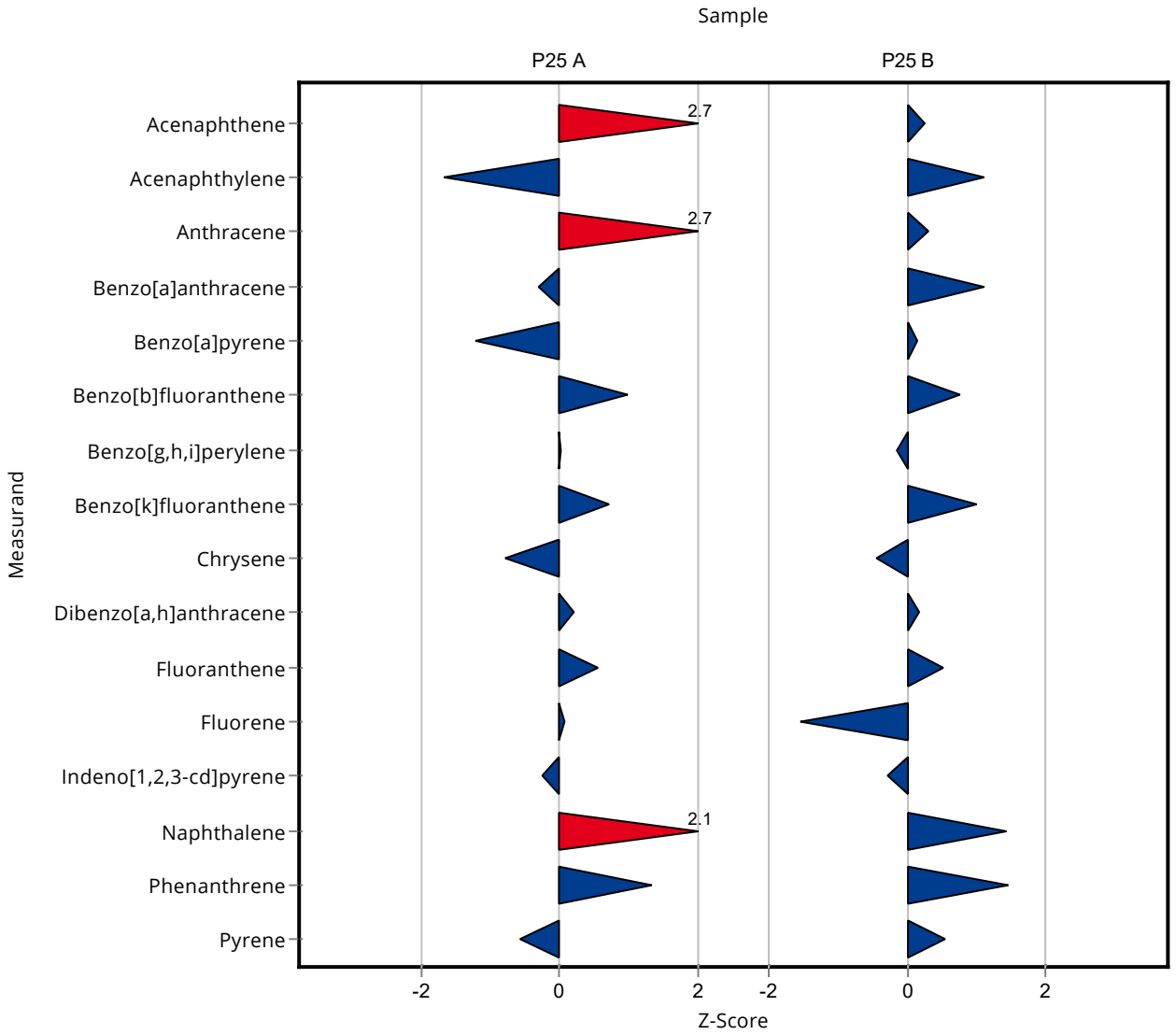
Sample: P25B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Acenaphthene	ng/l	129 ± 7.05	135 ± 6.8	24.5	105	0.25
Acenaphthylene	ng/l	167 ± 15.5	211 ± 11	40.1	126	1.09
Anthracene	ng/l	139 ± 7.99	150 ± 7.5	36.2	108	0.30
Benzo[a]anthracene	ng/l	155 ± 13.7	191 ± 9.6	32.5	123	1.11
Benzo[a]pyrene	ng/l	128 ± 12.2	133 ± 6.7	30.8	104	0.16
Benzo[b]fluoranthene	ng/l	175 ± 16.2	198 ± 9.9	29.8	113	0.76
Benzo[g,h,i]perylene	ng/l	133 ± 16.8	128 ± 6.4	33.3	96	-0.16
Benzo[k]fluoranthene	ng/l	127 ± 9.09	160 ± 8.1	33.1	126	0.99
Chrysene	ng/l	129 ± 10.3	116 ± 5.8	28.3	90	-0.45
Dibenzo[a,h]anthracene	ng/l	106 ± 18.7	113 ± 5.7	41.4	106	0.16
Fluoranthene	ng/l	153 ± 7.28	168 ± 8.4	27.6	110	0.53

Summary of results Polycyclic Aromatic Hydrocarbons P25

Labcode: LC0006

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Fluorene	ng/l	157 ± 11.3	123 ± 6.2	21.9	78.5	-1.54
Indeno[1,2,3-cd]pyrene	ng/l	140 ± 15.1	130 ± 6.5	35	92.8	-0.29
Naphthalene	ng/l	171 ± 15.1	223 ± 11	36	130	1.44
Phenanthrene	ng/l	149 ± 10.4	181 ± 9.1	22.3	122	1.44
Pyrene	ng/l	147 ± 6.62	160 ± 8.1	23.6	109	0.53



Summary of results Polycyclic Aromatic Hydrocarbons P25 - En - Score

Labcode: LC0006

Sample: P25A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Acenaphthene	ng/l	21 ± 1.63	31.9 ± 1.6	3.99	152	3.04
Acenaphthylene	ng/l	19.3 ± 1.45	11.6 ± 0.58	4.63	60.2	-4.13
Anthracene	ng/l	22.3 ± 0.802	38 ± 1.9	5.81	170	4.03
Benzo[a]anthracene	ng/l	22.1 ± 2.18	20.7 ± 1.1	4.64	93.7	-0.45
Benzo[a]pyrene	ng/l	15.6 ± 3.07	9.11 ± 0.46	5.3	58.4	-2.02
Benzo[b]fluoranthene	ng/l	22.1 ± 2.26	25.8 ± 1.3	3.76	117	1.06
Benzo[g,h,i]perylene	ng/l	19.8 ± 2.33	19.8 ± 0.99	4.94	100	0.01
Benzo[k]fluoranthene	ng/l	19.7 ± 1.64	23.3 ± 1.2	5.11	118	1.25
Chrysene	ng/l	20.3 ± 2.06	16.8 ± 0.84	4.47	82.8	-1.32
Dibenzo[a,h]anthracene	ng/l	21.2 ± 2	22.5 ± 1.1	6.36	106	0.43
Fluoranthene	ng/l	23.1 ± 0.916	25.4 ± 1.3	4.16	110	0.82
Fluorene	ng/l	25.6 ± 1.41	25.8 ± 1.3	3.58	101	0.08
Indeno[1,2,3-cd]pyrene	ng/l	21.4 ± 2.54	20.1 ± 1.1	5.35	93.9	-0.39
Naphthalene	ng/l	28.3 ± 3.28	40.5 ± 2.1	5.94	143	2.29
Phenanthrene	ng/l	25.3 ± 1.31	30.3 ± 1.5	3.8	120	1.53
Pyrene	ng/l	20.8 ± 1.04	18.9 ± 0.95	3.33	90.8	-0.89

Sample: P25B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Acenaphthene	ng/l	129 ± 7.05	135 ± 6.8	24.5	105	0.40
Acenaphthylene	ng/l	167 ± 15.5	211 ± 11	40.1	126	1.63
Anthracene	ng/l	139 ± 7.99	150 ± 7.5	36.2	108	0.64
Benzo[a]anthracene	ng/l	155 ± 13.7	191 ± 9.6	32.5	123	1.53

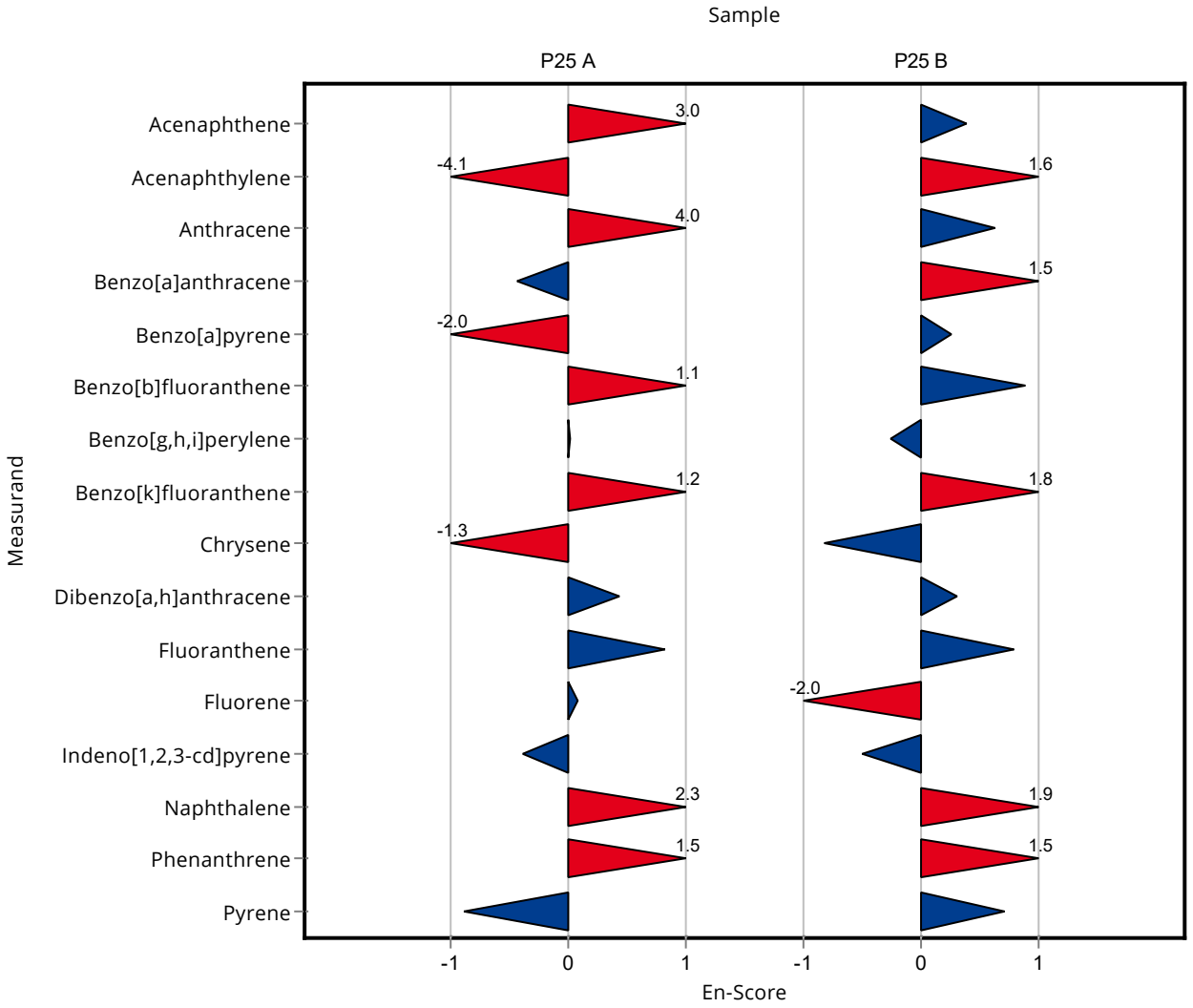
Summary of results Polycyclic Aromatic Hydrocarbons P25 - En - Score

Labcode: LC0006

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Benzo[a]pyrene	ng/l	128 ± 12.2	133 ± 6.7	30.8	104	0.27
Benzo[b]fluoranthene	ng/l	175 ± 16.2	198 ± 9.9	29.8	113	0.89
Benzo[g,h,i]perylene	ng/l	133 ± 16.8	128 ± 6.4	33.3	96	-0.25
Benzo[k]fluoranthene	ng/l	127 ± 9.09	160 ± 8.1	33.1	126	1.76
Chrysene	ng/l	129 ± 10.3	116 ± 5.8	28.3	90	-0.83
Dibenzo[a,h]anthracene	ng/l	106 ± 18.7	113 ± 5.7	41.4	106	0.31
Fluoranthene	ng/l	153 ± 7.28	168 ± 8.4	27.6	110	0.80
Fluorene	ng/l	157 ± 11.3	123 ± 6.2	21.9	78.5	-2.01
Indeno[1,2,3-cd]pyrene	ng/l	140 ± 15.1	130 ± 6.5	35	92.8	-0.51
Naphthalene	ng/l	171 ± 15.1	223 ± 11	36	130	1.94
Phenanthrene	ng/l	149 ± 10.4	181 ± 9.1	22.3	122	1.53
Pyrene	ng/l	147 ± 6.62	160 ± 8.1	23.6	109	0.72

Summary of results Polycyclic Aromatic Hydrocarbons P25 - En - Score

Labcode: LC0006



Summary of results Polycyclic Aromatic Hydrocarbons P25 Labcode: LC0007

Sample: P25A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Acenaphthene	ng/l	21 ± 1.63	16.09 ± 4.83	3.99	76.7	-1.23
Acenaphthylene	ng/l	19.3 ± 1.45	16.42 ± 4.93	4.63	85.2	-0.62
Anthracene	ng/l	22.3 ± 0.802	22.8 ± 6.84	5.81	102	0.08
Benzo[a]anthracene	ng/l	22.1 ± 2.18	27.01 ± 8.1	4.64	122	1.06
Benzo[a]pyrene	ng/l	15.6 ± 3.07	26.34 ± 9.48	5.3	169	2.03
Benzo[b]fluoranthene	ng/l	22.1 ± 2.26	31.43 ± 9.43	3.76	142	2.47
Benzo[g,h,i]perylene	ng/l	19.8 ± 2.33	28.95 ± 8.68	4.94	147	1.86
Benzo[k]fluoranthene	ng/l	19.7 ± 1.64	20.26 ± 6.08	5.11	103	0.11
Chrysene	ng/l	20.3 ± 2.06	20.57 ± 6.17	4.47	101	0.06
Dibenzo[a,h]anthracene	ng/l	21.2 ± 2	26.92 ± 8.08	6.36	127	0.90
Fluoranthene	ng/l	23.1 ± 0.916	23.85 ± 7.15	4.16	103	0.17
Fluorene	ng/l	25.6 ± 1.41	23.63 ± 7.09	3.58	92.4	-0.54
Indeno[1,2,3-cd]pyrene	ng/l	21.4 ± 2.54	25.03 ± 7.51	5.35	117	0.68
Naphthalene	ng/l	28.3 ± 3.28	25.28 ± 7.58	5.94	89.3	-0.51
Phenanthrene	ng/l	25.3 ± 1.31	24.09 ± 7.23	3.8	95.2	-0.32
Pyrene	ng/l	20.8 ± 1.04	22.35 ± 6.7	3.33	107	0.46

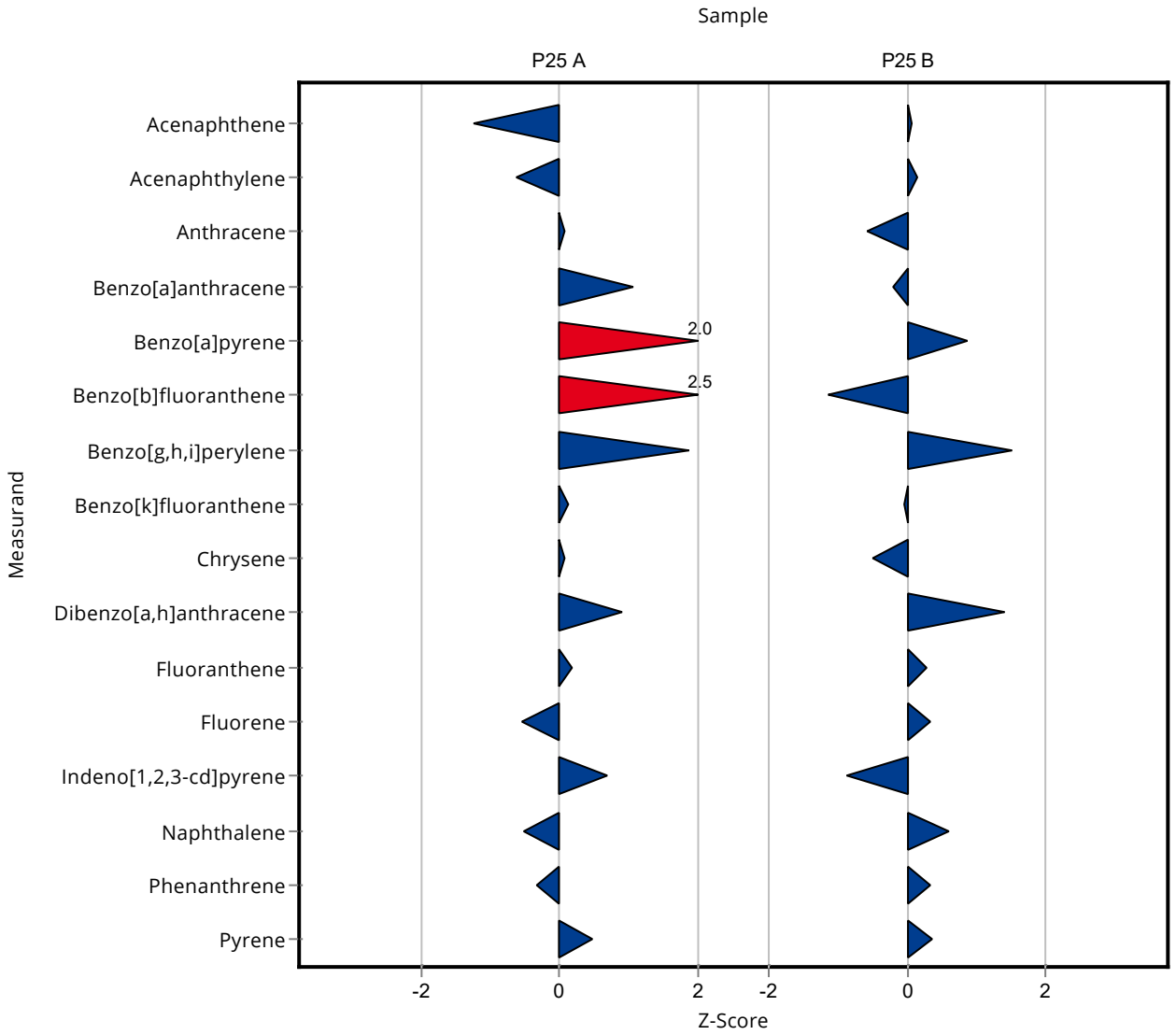
Sample: P25B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Acenaphthene	ng/l	129 ± 7.05	130.37 ± 39.11	24.5	101	0.06
Acenaphthylene	ng/l	167 ± 15.5	172.83 ± 51.85	40.1	103	0.14
Anthracene	ng/l	139 ± 7.99	118.4 ± 35.52	36.2	85.1	-0.57
Benzo[a]anthracene	ng/l	155 ± 13.7	147.91 ± 44.37	32.5	95.5	-0.21
Benzo[a]pyrene	ng/l	128 ± 12.2	155.02 ± 55.81	30.8	121	0.87
Benzo[b]fluoranthene	ng/l	175 ± 16.2	141.11 ± 42.33	29.8	80.5	-1.15
Benzo[g,h,i]perylene	ng/l	133 ± 16.8	183.86 ± 55.16	33.3	138	1.52
Benzo[k]fluoranthene	ng/l	127 ± 9.09	125.79 ± 37.74	33.1	98.9	-0.04
Chrysene	ng/l	129 ± 10.3	114.65 ± 34.4	28.3	89	-0.50
Dibenzo[a,h]anthracene	ng/l	106 ± 18.7	163.65 ± 49.09	41.4	154	1.39
Fluoranthene	ng/l	153 ± 7.28	160.96 ± 48.29	27.6	105	0.28

Summary of results Polycyclic Aromatic Hydrocarbons P25

Labcode: LC0007

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Fluorene	ng/l	157 ± 11.3	164.08 ± 49.22	21.9	105	0.33
Indeno[1,2,3-cd]pyrene	ng/l	140 ± 15.1	110.05 ± 33.01	35	78.6	-0.86
Naphthalene	ng/l	171 ± 15.1	192.9 ± 57.87	36	113	0.60
Phenanthrene	ng/l	149 ± 10.4	155.95 ± 46.78	22.3	105	0.32
Pyrene	ng/l	147 ± 6.62	155.72 ± 46.72	23.6	106	0.35



Summary of results Polycyclic Aromatic Hydrocarbons P25 - En - Score

Labcode: LC0007

Sample: P25A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Acenaphthene	ng/l	21 ± 1.63	16.09 ± 4.83	3.99	76.7	-0.50
Acenaphthylene	ng/l	19.3 ± 1.45	16.42 ± 4.93	4.63	85.2	-0.29
Anthracene	ng/l	22.3 ± 0.802	22.8 ± 6.84	5.81	102	0.03
Benzo[a]anthracene	ng/l	22.1 ± 2.18	27.01 ± 8.1	4.64	122	0.30
Benzo[a]pyrene	ng/l	15.6 ± 3.07	26.34 ± 9.48	5.3	169	0.56
Benzo[b]fluoranthene	ng/l	22.1 ± 2.26	31.43 ± 9.43	3.76	142	0.49
Benzo[g,h,i]perylene	ng/l	19.8 ± 2.33	28.95 ± 8.68	4.94	147	0.52
Benzo[k]fluoranthene	ng/l	19.7 ± 1.64	20.26 ± 6.08	5.11	103	0.05
Chrysene	ng/l	20.3 ± 2.06	20.57 ± 6.17	4.47	101	0.02
Dibenzo[a,h]anthracene	ng/l	21.2 ± 2	26.92 ± 8.08	6.36	127	0.35
Fluoranthene	ng/l	23.1 ± 0.916	23.85 ± 7.15	4.16	103	0.05
Fluorene	ng/l	25.6 ± 1.41	23.63 ± 7.09	3.58	92.4	-0.14
Indeno[1,2,3-cd]pyrene	ng/l	21.4 ± 2.54	25.03 ± 7.51	5.35	117	0.24
Naphthalene	ng/l	28.3 ± 3.28	25.28 ± 7.58	5.94	89.3	-0.19
Phenanthrene	ng/l	25.3 ± 1.31	24.09 ± 7.23	3.8	95.2	-0.08
Pyrene	ng/l	20.8 ± 1.04	22.35 ± 6.7	3.33	107	0.11

Sample: P25B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Acenaphthene	ng/l	129 ± 7.05	130.37 ± 39.11	24.5	101	0.02
Acenaphthylene	ng/l	167 ± 15.5	172.83 ± 51.85	40.1	103	0.05
Anthracene	ng/l	139 ± 7.99	118.4 ± 35.52	36.2	85.1	-0.29
Benzo[a]anthracene	ng/l	155 ± 13.7	147.91 ± 44.37	32.5	95.5	-0.08

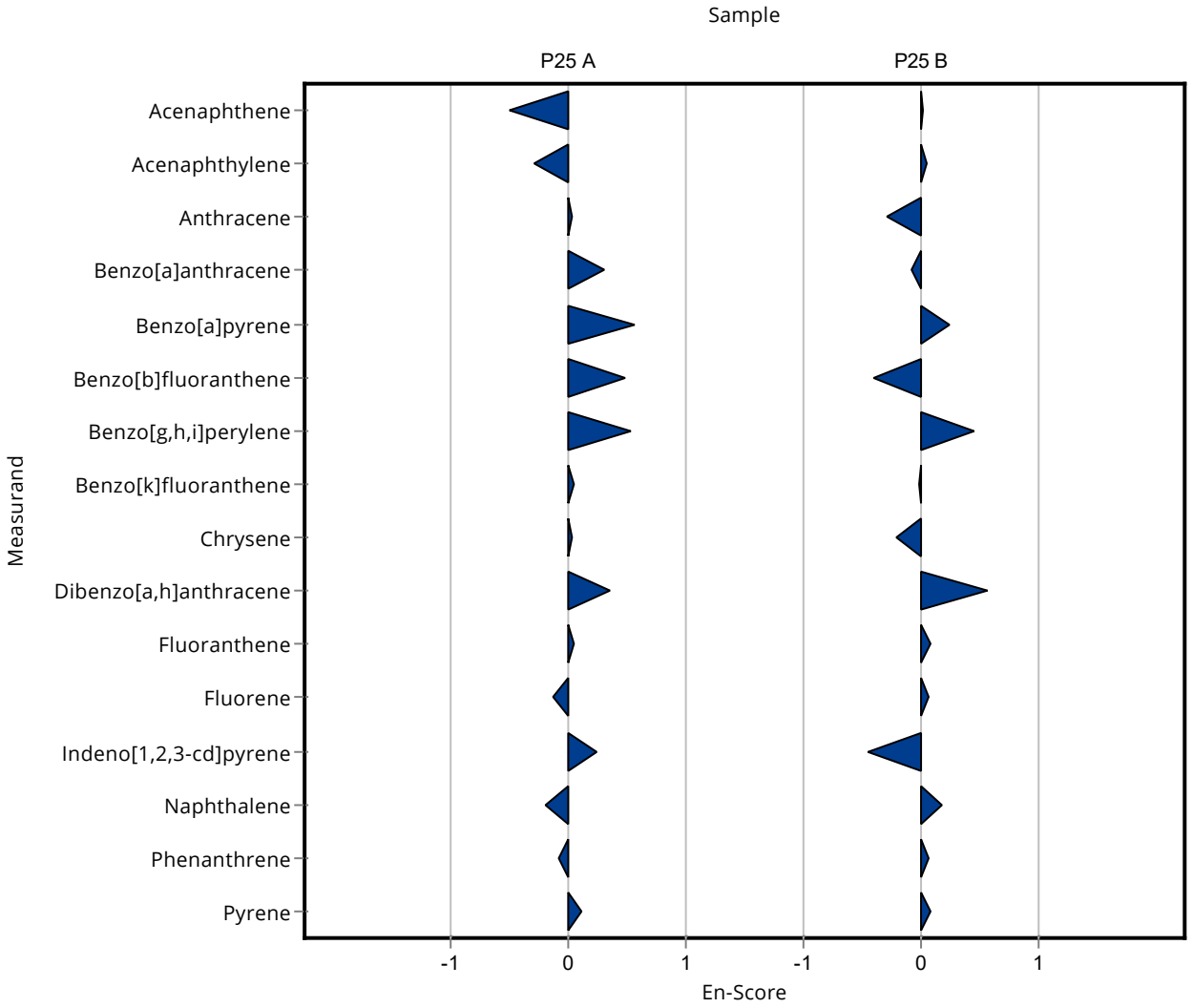
Summary of results Polycyclic Aromatic Hydrocarbons P25 - En - Score

Labcode: LC0007

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Benzo[a]pyrene	ng/l	128 ± 12.2	155.02 ± 55.81	30.8	121	0.24
Benzo[b]fluoranthene	ng/l	175 ± 16.2	141.11 ± 42.33	29.8	80.5	-0.40
Benzo[g,h,i]perylene	ng/l	133 ± 16.8	183.86 ± 55.16	33.3	138	0.45
Benzo[k]fluoranthene	ng/l	127 ± 9.09	125.79 ± 37.74	33.1	98.9	-0.02
Chrysene	ng/l	129 ± 10.3	114.65 ± 34.4	28.3	89	-0.20
Dibenzo[a,h]anthracene	ng/l	106 ± 18.7	163.65 ± 49.09	41.4	154	0.57
Fluoranthene	ng/l	153 ± 7.28	160.96 ± 48.29	27.6	105	0.08
Fluorene	ng/l	157 ± 11.3	164.08 ± 49.22	21.9	105	0.07
Indeno[1,2,3-cd]pyrene	ng/l	140 ± 15.1	110.05 ± 33.01	35	78.6	-0.44
Naphthalene	ng/l	171 ± 15.1	192.9 ± 57.87	36	113	0.19
Phenanthrene	ng/l	149 ± 10.4	155.95 ± 46.78	22.3	105	0.08
Pyrene	ng/l	147 ± 6.62	155.72 ± 46.72	23.6	106	0.09

Summary of results Polycyclic Aromatic Hydrocarbons P25 - En - Score

Labcode: LC0007



Summary of results Polycyclic Aromatic Hydrocarbons P25 Labcode: LC0008

Sample: P25A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Acenaphthene	ng/l	21 ± 1.63	<5 (LOQ) ± -	3.99	-	-
Acenaphthylene	ng/l	19.3 ± 1.45	<5 (LOQ) ± -	4.63	-	-
Anthracene	ng/l	22.3 ± 0.802	<5 (LOQ) ± -	5.81	-	-
Benzo[a]anthracene	ng/l	22.1 ± 2.18	<10 (LOQ) ± -	4.64	-	-
Benzo[a]pyrene	ng/l	15.6 ± 3.07	<5 (LOQ) ± -	5.3	-	-
Benzo[b]fluoranthene	ng/l	22.1 ± 2.26	29.9 ± 5.98	3.76	135	2.06
Benzo[g,h,i]perylene	ng/l	19.8 ± 2.33	21.2 ± 4.24	4.94	107	0.29
Benzo[k]fluoranthene	ng/l	19.7 ± 1.64	23.2 ± 4.64	5.11	118	0.69
Chrysene	ng/l	20.3 ± 2.06	23.3 ± 4.66	4.47	115	0.67
Dibenzo[a,h]anthracene	ng/l	21.2 ± 2	20.3 ± 4.06	6.36	95.7	-0.14
Fluoranthene	ng/l	23.1 ± 0.916	25.4 ± 5.08	4.16	110	0.54
Fluorene	ng/l	25.6 ± 1.41	28.3 ± 5.66	3.58	111	0.76
Indeno[1,2,3-cd]pyrene	ng/l	21.4 ± 2.54	29.8 ± 5.96	5.35	139	1.57
Naphthalene	ng/l	28.3 ± 3.28	30.6 ± 6.12	5.94	108	0.39
Phenanthrene	ng/l	25.3 ± 1.31	26.5 ± 5.3	3.8	105	0.31
Pyrene	ng/l	20.8 ± 1.04	5.72 ± 1.14	3.33	27.5	-4.53

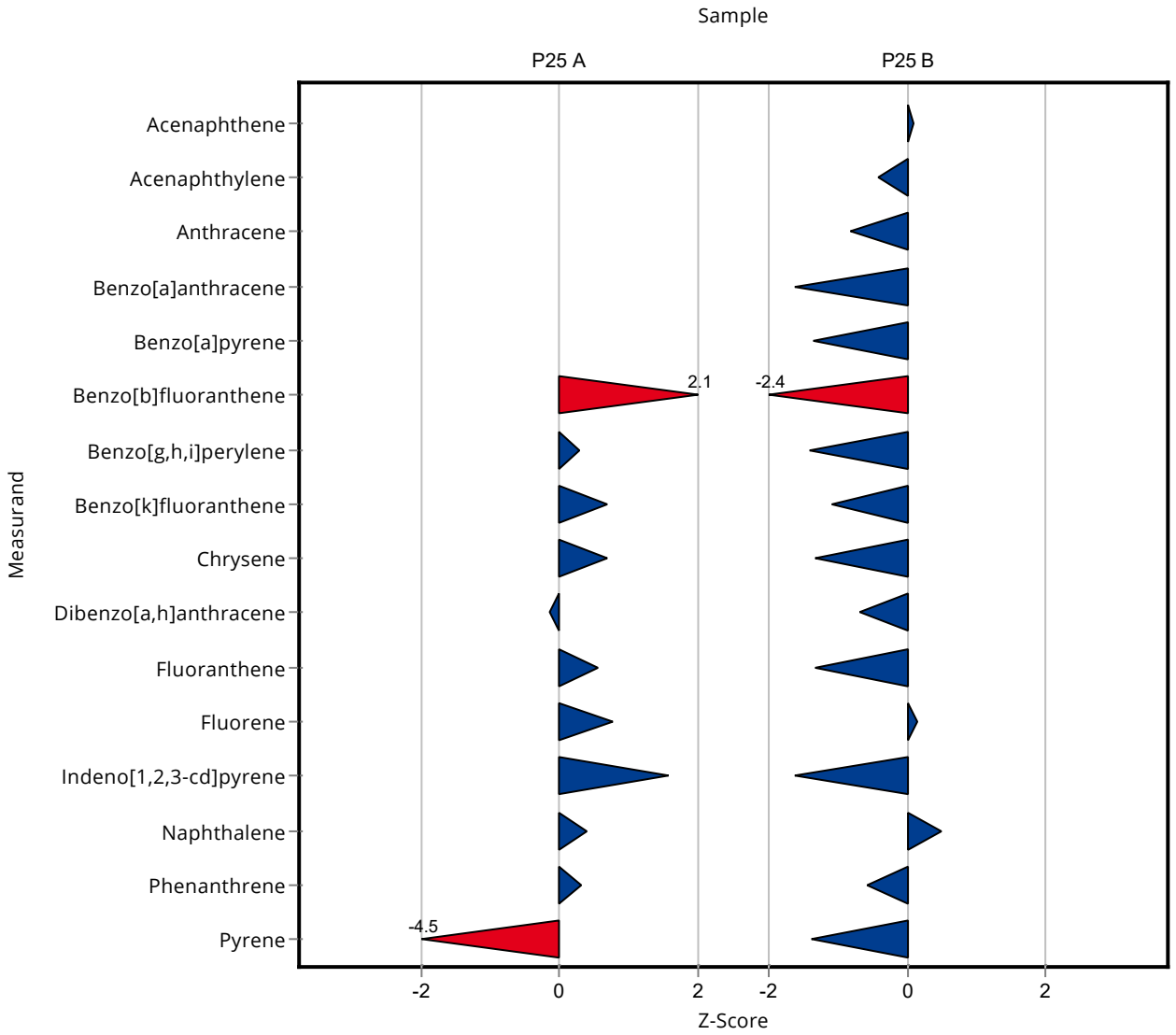
Sample: P25B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Acenaphthene	ng/l	129 ± 7.05	131 ± 26.2	24.5	102	0.08
Acenaphthylene	ng/l	167 ± 15.5	150 ± 30	40.1	89.7	-0.43
Anthracene	ng/l	139 ± 7.99	110 ± 22	36.2	79	-0.81
Benzo[a]anthracene	ng/l	155 ± 13.7	102 ± 20.4	32.5	65.9	-1.63
Benzo[a]pyrene	ng/l	128 ± 12.2	86.4 ± 17.3	30.8	67.4	-1.36
Benzo[b]fluoranthene	ng/l	175 ± 16.2	104 ± 20.8	29.8	59.3	-2.39
Benzo[g,h,i]perylene	ng/l	133 ± 16.8	86.9 ± 17.4	33.3	65.2	-1.39
Benzo[k]fluoranthene	ng/l	127 ± 9.09	91.5 ± 18.3	33.1	71.9	-1.08
Chrysene	ng/l	129 ± 10.3	91.5 ± 18.3	28.3	71	-1.32
Dibenzo[a,h]anthracene	ng/l	106 ± 18.7	77.8 ± 15.6	41.4	73.3	-0.69
Fluoranthene	ng/l	153 ± 7.28	117 ± 23.4	27.6	76.3	-1.32

Summary of results Polycyclic Aromatic Hydrocarbons P25

Labcode: LC0008

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Fluorene	ng/l	157 ± 11.3	160 ± 32	21.9	102	0.15
Indeno[1,2,3-cd]pyrene	ng/l	140 ± 15.1	83.7 ± 16.7	35	59.8	-1.61
Naphthalene	ng/l	171 ± 15.1	189 ± 37.8	36	110	0.49
Phenanthrene	ng/l	149 ± 10.4	136 ± 27.2	22.3	91.4	-0.58
Pyrene	ng/l	147 ± 6.62	115 ± 23	23.6	78	-1.37



Summary of results Polycyclic Aromatic Hydrocarbons P25 - En - Score

Labcode: LC0008

Sample: P25A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Acenaphthene	ng/l	21 ± 1.63	<5 (LOQ) ± -	3.99	-	-
Acenaphthylene	ng/l	19.3 ± 1.45	<5 (LOQ) ± -	4.63	-	-
Anthracene	ng/l	22.3 ± 0.802	<5 (LOQ) ± -	5.81	-	-
Benzo[a]anthracene	ng/l	22.1 ± 2.18	<10 (LOQ) ± -	4.64	-	-
Benzo[a]pyrene	ng/l	15.6 ± 3.07	<5 (LOQ) ± -	5.3	-	-
Benzo[b]fluoranthene	ng/l	22.1 ± 2.26	29.9 ± 5.98	3.76	135	0.64
Benzo[g,h,i]perylene	ng/l	19.8 ± 2.33	21.2 ± 4.24	4.94	107	0.16
Benzo[k]fluoranthene	ng/l	19.7 ± 1.64	23.2 ± 4.64	5.11	118	0.37
Chrysene	ng/l	20.3 ± 2.06	23.3 ± 4.66	4.47	115	0.31
Dibenzo[a,h]anthracene	ng/l	21.2 ± 2	20.3 ± 4.06	6.36	95.7	-0.11
Fluoranthene	ng/l	23.1 ± 0.916	25.4 ± 5.08	4.16	110	0.22
Fluorene	ng/l	25.6 ± 1.41	28.3 ± 5.66	3.58	111	0.24
Indeno[1,2,3-cd]pyrene	ng/l	21.4 ± 2.54	29.8 ± 5.96	5.35	139	0.69
Naphthalene	ng/l	28.3 ± 3.28	30.6 ± 6.12	5.94	108	0.18
Phenanthrene	ng/l	25.3 ± 1.31	26.5 ± 5.3	3.8	105	0.11
Pyrene	ng/l	20.8 ± 1.04	5.72 ± 1.14	3.33	27.5	-6.03

Sample: P25B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Acenaphthene	ng/l	129 ± 7.05	131 ± 26.2	24.5	102	0.04
Acenaphthylene	ng/l	167 ± 15.5	150 ± 30	40.1	89.7	-0.28
Anthracene	ng/l	139 ± 7.99	110 ± 22	36.2	79	-0.65
Benzo[a]anthracene	ng/l	155 ± 13.7	102 ± 20.4	32.5	65.9	-1.23

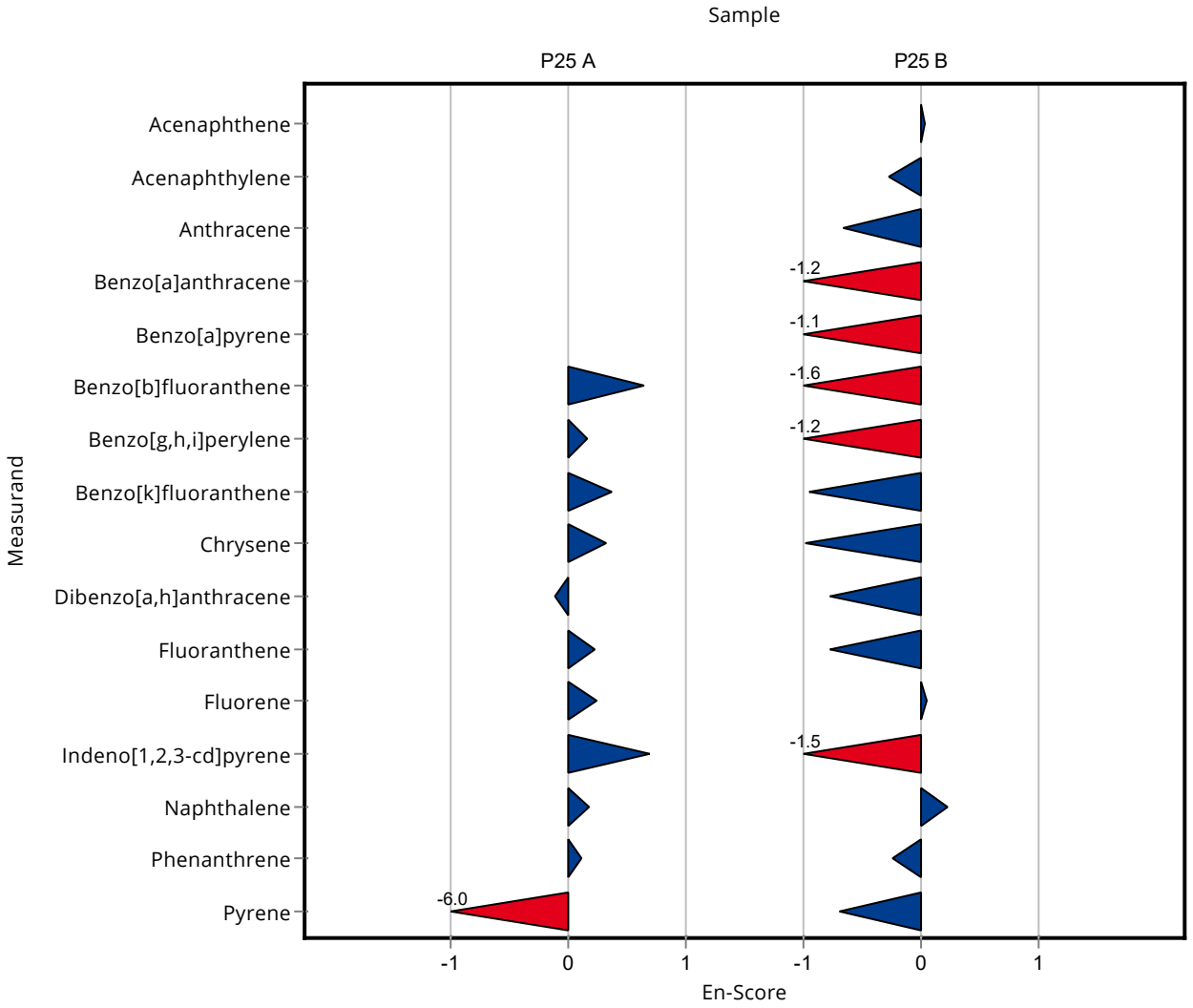
Summary of results Polycyclic Aromatic Hydrocarbons P25 - En - Score

Labcode: LC0008

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Benzo[a]pyrene	ng/l	128 ± 12.2	86.4 ± 17.3	30.8	67.4	-1.14
Benzo[b]fluoranthene	ng/l	175 ± 16.2	104 ± 20.8	29.8	59.3	-1.60
Benzo[g,h,i]perylene	ng/l	133 ± 16.8	86.9 ± 17.4	33.3	65.2	-1.20
Benzo[k]fluoranthene	ng/l	127 ± 9.09	91.5 ± 18.3	33.1	71.9	-0.95
Chrysene	ng/l	129 ± 10.3	91.5 ± 18.3	28.3	71	-0.98
Dibenzo[a,h]anthracene	ng/l	106 ± 18.7	77.8 ± 15.6	41.4	73.3	-0.78
Fluoranthene	ng/l	153 ± 7.28	117 ± 23.4	27.6	76.3	-0.77
Fluorene	ng/l	157 ± 11.3	160 ± 32	21.9	102	0.05
Indeno[1,2,3-cd]pyrene	ng/l	140 ± 15.1	83.7 ± 16.7	35	59.8	-1.54
Naphthalene	ng/l	171 ± 15.1	189 ± 37.8	36	110	0.23
Phenanthrene	ng/l	149 ± 10.4	136 ± 27.2	22.3	91.4	-0.23
Pyrene	ng/l	147 ± 6.62	115 ± 23	23.6	78	-0.70

Summary of results Polycyclic Aromatic Hydrocarbons P25 - En - Score

Labcode: LC0008



Summary of results Polycyclic Aromatic Hydrocarbons P25 Labcode: LC0009

Sample: P25A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Acenaphthene	ng/l	21 ± 1.63	22.7 ± 4.54	3.99	108	0.43
Acenaphthylene	ng/l	19.3 ± 1.45	20.83 ± 4.17	4.63	108	0.34
Anthracene	ng/l	22.3 ± 0.802	20.91 ± 4.18	5.81	93.6	-0.25
Benzo[a]anthracene	ng/l	22.1 ± 2.18	19.3 ± 3.86	4.64	87.4	-0.60
Benzo[a]pyrene	ng/l	15.6 ± 3.07	13.35 ± 2.67	5.3	85.7	-0.42
Benzo[b]fluoranthene	ng/l	22.1 ± 2.26	20.23 ± 4.05	3.76	91.4	-0.51
Benzo[g,h,i]perylene	ng/l	19.8 ± 2.33	19.72 ± 3.94	4.94	99.8	-0.01
Benzo[k]fluoranthene	ng/l	19.7 ± 1.64	18.36 ± 3.67	5.11	93.3	-0.26
Chrysene	ng/l	20.3 ± 2.06	22.87 ± 4.57	4.47	113	0.58
Dibenzo[a,h]anthracene	ng/l	21.2 ± 2	21.85 ± 4.37	6.36	103	0.10
Fluoranthene	ng/l	23.1 ± 0.916	23.12 ± 4.62	4.16	99.9	0.00
Fluorene	ng/l	25.6 ± 1.41	23.29 ± 4.66	3.58	91.1	-0.64
Indeno[1,2,3-cd]pyrene	ng/l	21.4 ± 2.54	18.02 ± 3.6	5.35	84.2	-0.63
Naphthalene	ng/l	28.3 ± 3.28	30.77 ± 6.15	5.94	109	0.42
Phenanthrene	ng/l	25.3 ± 1.31	25.16 ± 5.03	3.8	99.4	-0.04
Pyrene	ng/l	20.8 ± 1.04	21.59 ± 4.32	3.33	104	0.23

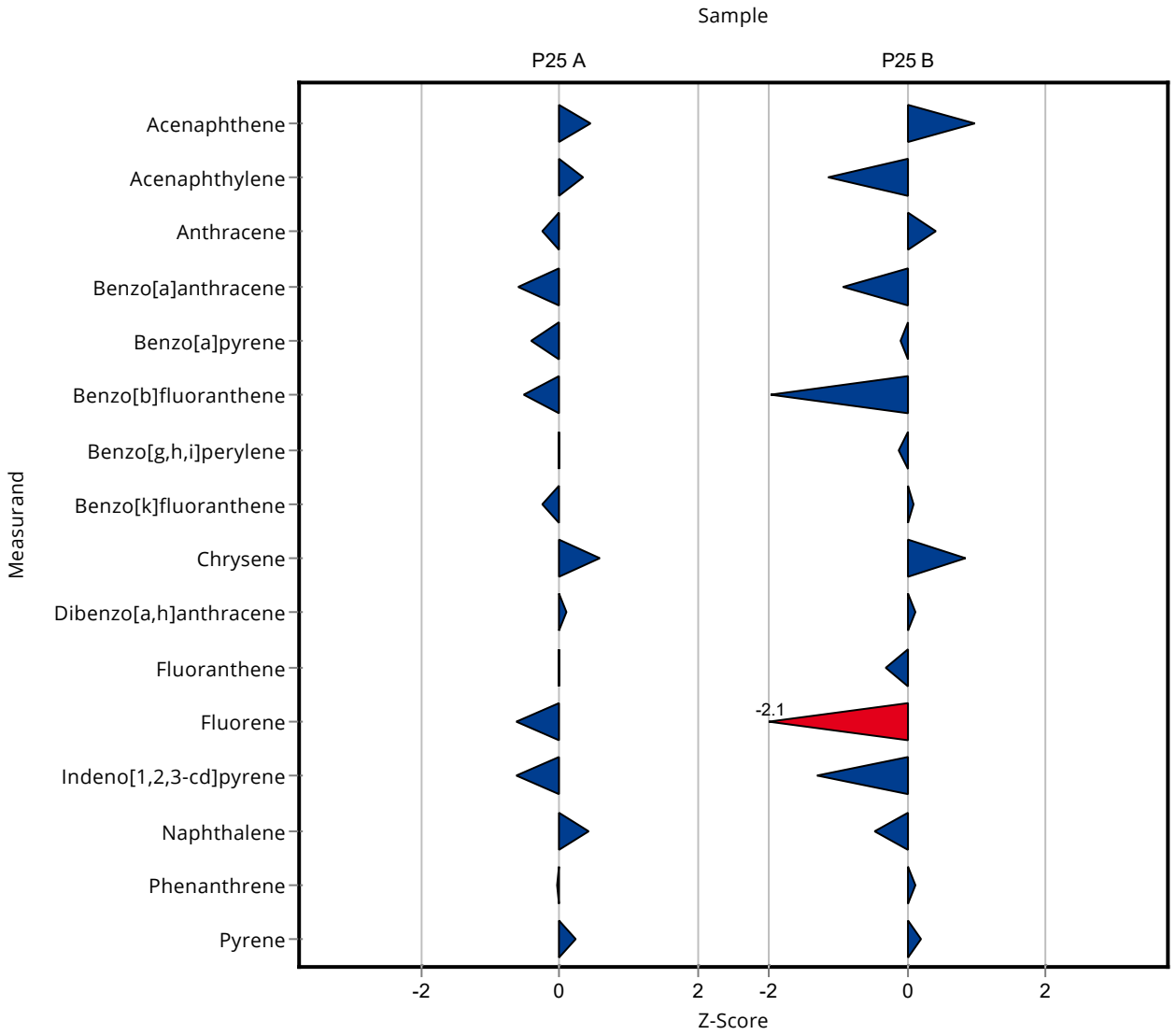
Sample: P25B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Acenaphthene	ng/l	129 ± 7.05	153 ± 30.6	24.5	119	0.98
Acenaphthylene	ng/l	167 ± 15.5	121.55 ± 24.31	40.1	72.7	-1.14
Anthracene	ng/l	139 ± 7.99	153.85 ± 30.77	36.2	111	0.41
Benzo[a]anthracene	ng/l	155 ± 13.7	124.95 ± 24.99	32.5	80.7	-0.92
Benzo[a]pyrene	ng/l	128 ± 12.2	124.95 ± 24.99	30.8	97.5	-0.11
Benzo[b]fluoranthene	ng/l	175 ± 16.2	116.45 ± 23.29	29.8	66.4	-1.97
Benzo[g,h,i]perylene	ng/l	133 ± 16.8	129.2 ± 25.84	33.3	96.9	-0.12
Benzo[k]fluoranthene	ng/l	127 ± 9.09	130.05 ± 26.01	33.1	102	0.08
Chrysene	ng/l	129 ± 10.3	153 ± 30.6	28.3	119	0.85
Dibenzo[a,h]anthracene	ng/l	106 ± 18.7	111.35 ± 22.27	41.4	105	0.12
Fluoranthene	ng/l	153 ± 7.28	145 ± 15.74	27.6	94.6	-0.30

Summary of results Polycyclic Aromatic Hydrocarbons P25

Labcode: LC0009

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Fluorene	ng/l	157 ± 11.3	111.35 ± 22.27	21.9	71	-2.07
Indeno[1,2,3-cd]pyrene	ng/l	140 ± 15.1	94.34 ± 18.87	35	67.3	-1.31
Naphthalene	ng/l	171 ± 15.1	154.7 ± 30.94	36	90.3	-0.46
Phenanthrene	ng/l	149 ± 10.4	151.54 ± 30.31	22.3	102	0.12
Pyrene	ng/l	147 ± 6.62	152.15 ± 30.43	23.6	103	0.20



Summary of results Polycyclic Aromatic Hydrocarbons P25 - En - Score

Labcode: LC0009

Sample: P25A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Acenaphthene	ng/l	21 ± 1.63	22.7 ± 4.54	3.99	108	0.19
Acenaphthylene	ng/l	19.3 ± 1.45	20.83 ± 4.17	4.63	108	0.18
Anthracene	ng/l	22.3 ± 0.802	20.91 ± 4.18	5.81	93.6	-0.17
Benzo[a]anthracene	ng/l	22.1 ± 2.18	19.3 ± 3.86	4.64	87.4	-0.35
Benzo[a]pyrene	ng/l	15.6 ± 3.07	13.35 ± 2.67	5.3	85.7	-0.36
Benzo[b]fluoranthene	ng/l	22.1 ± 2.26	20.23 ± 4.05	3.76	91.4	-0.23
Benzo[g,h,i]perylene	ng/l	19.8 ± 2.33	19.72 ± 3.94	4.94	99.8	0.00
Benzo[k]fluoranthene	ng/l	19.7 ± 1.64	18.36 ± 3.67	5.11	93.3	-0.17
Chrysene	ng/l	20.3 ± 2.06	22.87 ± 4.57	4.47	113	0.27
Dibenzo[a,h]anthracene	ng/l	21.2 ± 2	21.85 ± 4.37	6.36	103	0.07
Fluoranthene	ng/l	23.1 ± 0.916	23.12 ± 4.62	4.16	99.9	0.00
Fluorene	ng/l	25.6 ± 1.41	23.29 ± 4.66	3.58	91.1	-0.24
Indeno[1,2,3-cd]pyrene	ng/l	21.4 ± 2.54	18.02 ± 3.6	5.35	84.2	-0.44
Naphthalene	ng/l	28.3 ± 3.28	30.77 ± 6.15	5.94	109	0.19
Phenanthrene	ng/l	25.3 ± 1.31	25.16 ± 5.03	3.8	99.4	-0.01
Pyrene	ng/l	20.8 ± 1.04	21.59 ± 4.32	3.33	104	0.09

Sample: P25B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Acenaphthene	ng/l	129 ± 7.05	153 ± 30.6	24.5	119	0.39
Acenaphthylene	ng/l	167 ± 15.5	121.55 ± 24.31	40.1	72.7	-0.89
Anthracene	ng/l	139 ± 7.99	153.85 ± 30.77	36.2	111	0.24
Benzo[a]anthracene	ng/l	155 ± 13.7	124.95 ± 24.99	32.5	80.7	-0.58

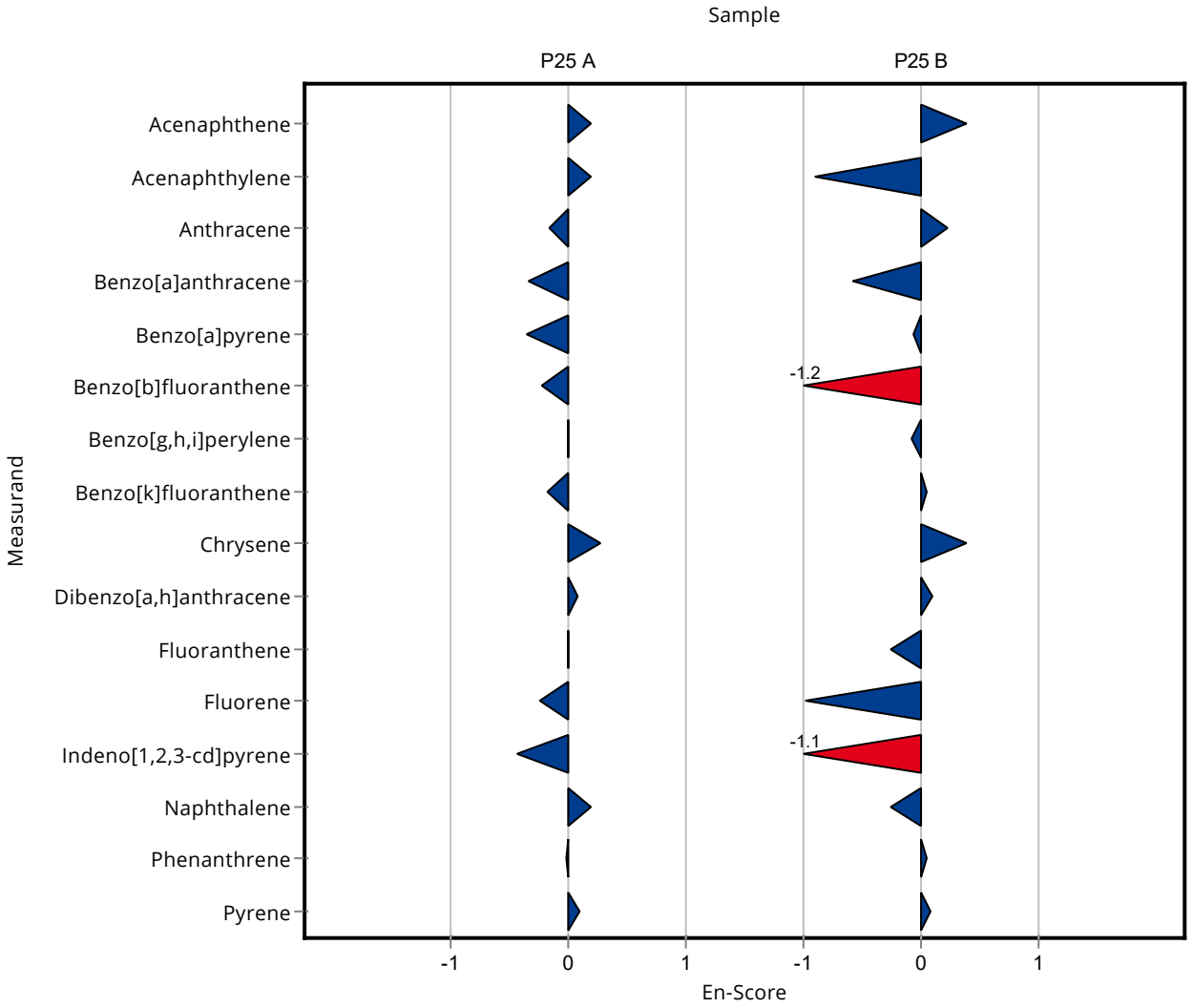
Summary of results Polycyclic Aromatic Hydrocarbons P25 - En - Score

Labcode: LC0009

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Benzo[a]pyrene	ng/l	128 ± 12.2	124.95 ± 24.99	30.8	97.5	-0.06
Benzo[b]fluoranthene	ng/l	175 ± 16.2	116.45 ± 23.29	29.8	66.4	-1.19
Benzo[g,h,i]perylene	ng/l	133 ± 16.8	129.2 ± 25.84	33.3	96.9	-0.08
Benzo[k]fluoranthene	ng/l	127 ± 9.09	130.05 ± 26.01	33.1	102	0.05
Chrysene	ng/l	129 ± 10.3	153 ± 30.6	28.3	119	0.39
Dibenzo[a,h]anthracene	ng/l	106 ± 18.7	111.35 ± 22.27	41.4	105	0.11
Fluoranthene	ng/l	153 ± 7.28	145 ± 15.74	27.6	94.6	-0.26
Fluorene	ng/l	157 ± 11.3	111.35 ± 22.27	21.9	71	-0.99
Indeno[1,2,3-cd]pyrene	ng/l	140 ± 15.1	94.34 ± 18.87	35	67.3	-1.13
Naphthalene	ng/l	171 ± 15.1	154.7 ± 30.94	36	90.3	-0.26
Phenanthrene	ng/l	149 ± 10.4	151.54 ± 30.31	22.3	102	0.04
Pyrene	ng/l	147 ± 6.62	152.15 ± 30.43	23.6	103	0.08

Summary of results Polycyclic Aromatic Hydrocarbons P25 - En - Score

Labcode: LC0009



Summary of results Polycyclic Aromatic Hydrocarbons P25 Labcode: LC0010

Sample: P25A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Acenaphthene	ng/l	21 ± 1.63	<0.003 (LOQ) ± -	3.99	-	-
Acenaphthylene	ng/l	19.3 ± 1.45	<0.003 (LOQ) ± -	4.63	-	-
Anthracene	ng/l	22.3 ± 0.802	<0.003 (LOQ) ± -	5.81	-	-
Benzo[a]anthracene	ng/l	22.1 ± 2.18	0.008 ± 0.001	4.64	0.0362	-4.76
Benzo[a]pyrene	ng/l	15.6 ± 3.07	0.012 ± 0.002	5.3	0.077	-2.94
Benzo[b]fluoranthene	ng/l	22.1 ± 2.26	<0.003 (LOQ) ± -	3.76	-	-
Benzo[g,h,i]perylene	ng/l	19.8 ± 2.33	<0.003 (LOQ) ± -	4.94	-	-
Benzo[k]fluoranthene	ng/l	19.7 ± 1.64	0.01 ± 0.001	5.11	0.0508	-3.84
Chrysene	ng/l	20.3 ± 2.06	<0.003 (LOQ) ± -	4.47	-	-
Dibenzo[a,h]anthracene	ng/l	21.2 ± 2	<0.003 (LOQ) ± -	6.36	-	-
Fluoranthene	ng/l	23.1 ± 0.916	0.005 ± 0.001	4.16	0.0216	-5.55
Fluorene	ng/l	25.6 ± 1.41	<0.003 (LOQ) ± -	3.58	-	-
Indeno[1,2,3-cd]pyrene	ng/l	21.4 ± 2.54	0.009 ± 0.001	5.35	0.0421	-4.00
Naphthalene	ng/l	28.3 ± 3.28	<0.003 (LOQ) ± -	5.94	-	-
Phenanthrene	ng/l	25.3 ± 1.31	<0.003 (LOQ) ± -	3.8	-	-
Pyrene	ng/l	20.8 ± 1.04	<0.003 (LOQ) ± -	3.33	-	-

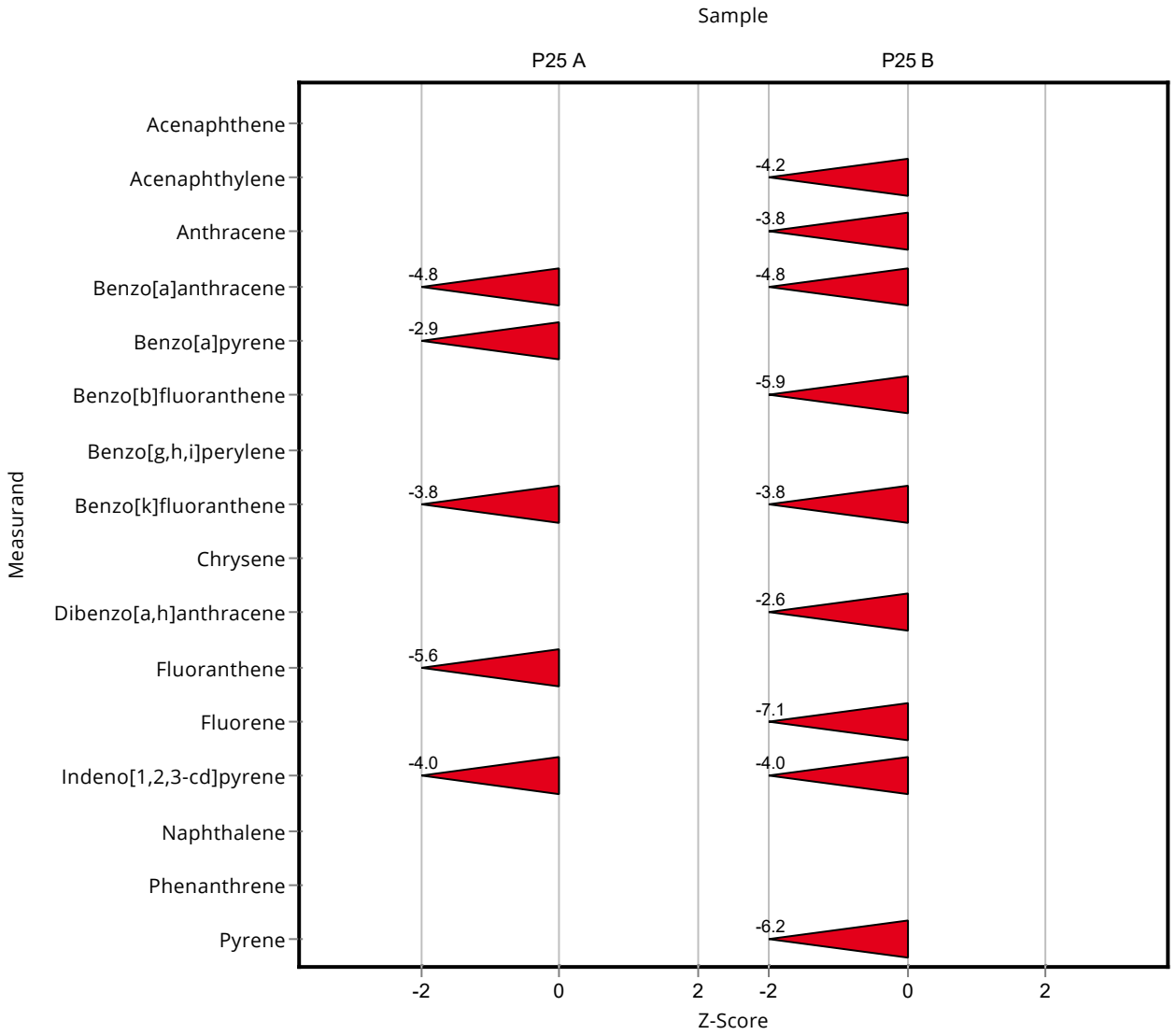
Sample: P25B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Acenaphthene	ng/l	129 ± 7.05	<0.003 (LOQ) ± -	24.5	-	-
Acenaphthylene	ng/l	167 ± 15.5	0.008 ± 0.001	40.1	0.00479	-4.17
Anthracene	ng/l	139 ± 7.99	0.008 ± 0.001	36.2	0.00575	-3.85
Benzo[a]anthracene	ng/l	155 ± 13.7	0.011 ± 0.001	32.5	0.0071	-4.76
Benzo[a]pyrene	ng/l	128 ± 12.2	<0.003 (LOQ) ± -	30.8	-	-
Benzo[b]fluoranthene	ng/l	175 ± 16.2	0.013 ± 0.001	29.8	0.00742	-5.88
Benzo[g,h,i]perylene	ng/l	133 ± 16.8	<0.003 (LOQ) ± -	33.3	-	-
Benzo[k]fluoranthene	ng/l	127 ± 9.09	0.012 ± 0.001	33.1	0.00943	-3.85
Chrysene	ng/l	129 ± 10.3	<0.003 (LOQ) ± -	28.3	-	-
Dibenzo[a,h]anthracene	ng/l	106 ± 18.7	0.004 ± 0.001	41.4	0.00377	-2.56
Fluoranthene	ng/l	153 ± 7.28	<0.003 (LOQ) ± -	27.6	-	-

Summary of results Polycyclic Aromatic Hydrocarbons P25

Labcode: LC0010

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Fluorene	ng/l	157 ± 11.3	0.005 ± 0.001	21.9	0.00319	-7.14
Indeno[1,2,3-cd]pyrene	ng/l	140 ± 15.1	0.008 ± 0.001	35	0.00571	-4.00
Naphthalene	ng/l	171 ± 15.1	<0.003 (LOQ) ± -	36	-	-
Phenanthrene	ng/l	149 ± 10.4	<0.003 (LOQ) ± -	22.3	-	-
Pyrene	ng/l	147 ± 6.62	0.006 ± 0.001	23.6	0.00407	-6.25



Sample: P25A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Acenaphthene	ng/l	21 ± 1.63	<0.003 (LOQ) ± -	3.99	-	-
Acenaphthylene	ng/l	19.3 ± 1.45	<0.003 (LOQ) ± -	4.63	-	-
Anthracene	ng/l	22.3 ± 0.802	<0.003 (LOQ) ± -	5.81	-	-
Benzo[a]anthracene	ng/l	22.1 ± 2.18	0.008 ± 0.001	4.64	0.0362	-10.14
Benzo[a]pyrene	ng/l	15.6 ± 3.07	0.012 ± 0.002	5.3	0.077	-5.07
Benzo[b]fluoranthene	ng/l	22.1 ± 2.26	<0.003 (LOQ) ± -	3.76	-	-
Benzo[g,h,i]perylene	ng/l	19.8 ± 2.33	<0.003 (LOQ) ± -	4.94	-	-
Benzo[k]fluoranthene	ng/l	19.7 ± 1.64	0.01 ± 0.001	5.11	0.0508	-12.02
Chrysene	ng/l	20.3 ± 2.06	<0.003 (LOQ) ± -	4.47	-	-
Dibenzo[a,h]anthracene	ng/l	21.2 ± 2	<0.003 (LOQ) ± -	6.36	-	-
Fluoranthene	ng/l	23.1 ± 0.916	0.005 ± 0.001	4.16	0.0216	-25.25
Fluorene	ng/l	25.6 ± 1.41	<0.003 (LOQ) ± -	3.58	-	-
Indeno[1,2,3-cd]pyrene	ng/l	21.4 ± 2.54	0.009 ± 0.001	5.35	0.0421	-8.43
Naphthalene	ng/l	28.3 ± 3.28	<0.003 (LOQ) ± -	5.94	-	-
Phenanthrene	ng/l	25.3 ± 1.31	<0.003 (LOQ) ± -	3.8	-	-
Pyrene	ng/l	20.8 ± 1.04	<0.003 (LOQ) ± -	3.33	-	-

Sample: P25B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Acenaphthene	ng/l	129 ± 7.05	<0.003 (LOQ) ± -	24.5	-	-
Acenaphthylene	ng/l	167 ± 15.5	0.008 ± 0.001	40.1	0.00479	-10.81
Anthracene	ng/l	139 ± 7.99	0.008 ± 0.001	36.2	0.00575	-17.42
Benzo[a]anthracene	ng/l	155 ± 13.7	0.011 ± 0.001	32.5	0.0071	-11.34

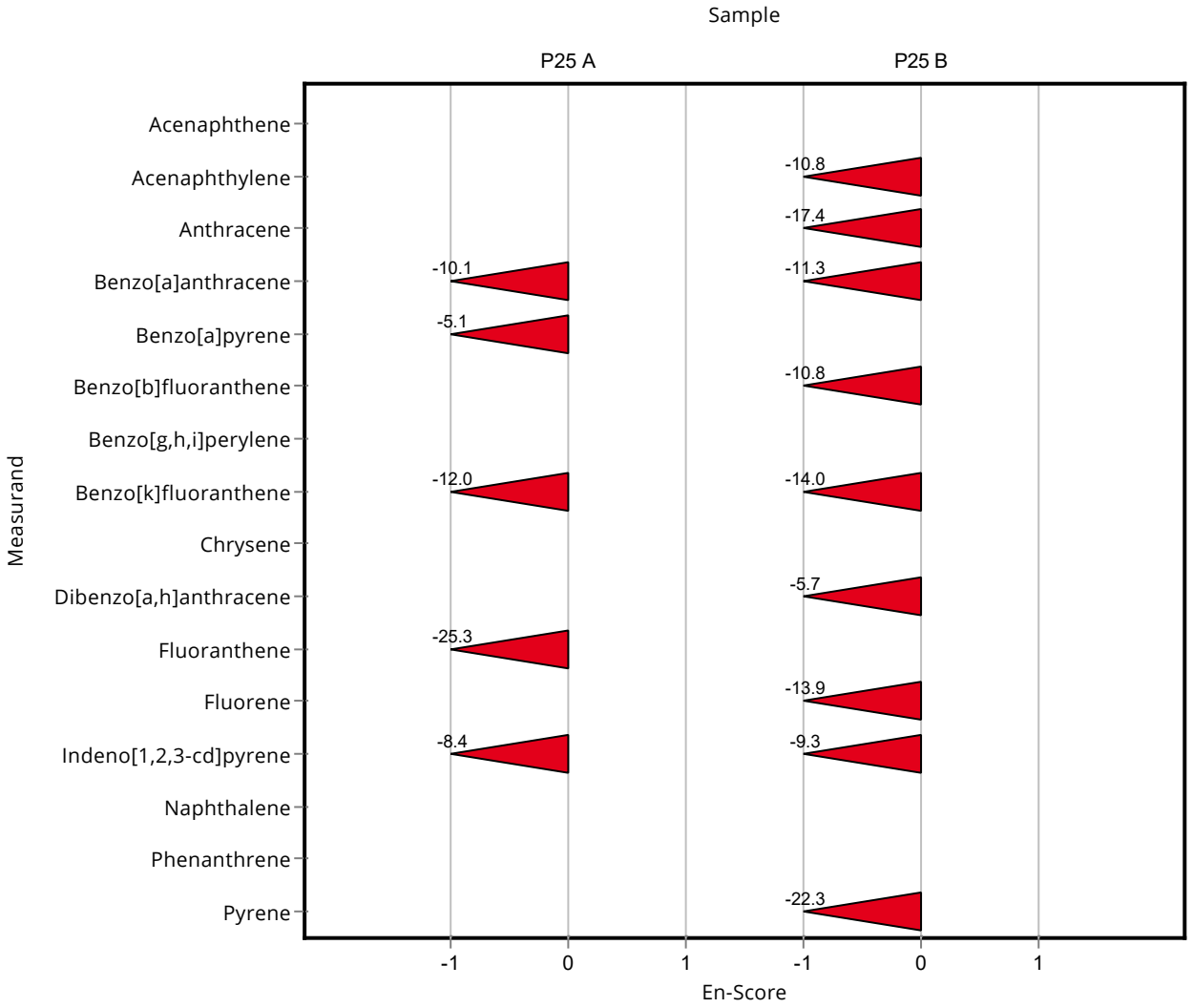
Summary of results Polycyclic Aromatic Hydrocarbons P25 - En - Score

Labcode: LC0010

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Benzo[a]pyrene	ng/l	128 ± 12.2	<0.003 (LOQ) ± -	30.8	-	-
Benzo[b]fluoranthene	ng/l	175 ± 16.2	0.013 ± 0.001	29.8	0.00742	-10.81
Benzo[g,h,i]perylene	ng/l	133 ± 16.8	<0.003 (LOQ) ± -	33.3	-	-
Benzo[k]fluoranthene	ng/l	127 ± 9.09	0.012 ± 0.001	33.1	0.00943	-14.00
Chrysene	ng/l	129 ± 10.3	<0.003 (LOQ) ± -	28.3	-	-
Dibenzo[a,h]anthracene	ng/l	106 ± 18.7	0.004 ± 0.001	41.4	0.00377	-5.69
Fluoranthene	ng/l	153 ± 7.28	<0.003 (LOQ) ± -	27.6	-	-
Fluorene	ng/l	157 ± 11.3	0.005 ± 0.001	21.9	0.00319	-13.93
Indeno[1,2,3-cd]pyrene	ng/l	140 ± 15.1	0.008 ± 0.001	35	0.00571	-9.26
Naphthalene	ng/l	171 ± 15.1	<0.003 (LOQ) ± -	36	-	-
Phenanthrene	ng/l	149 ± 10.4	<0.003 (LOQ) ± -	22.3	-	-
Pyrene	ng/l	147 ± 6.62	0.006 ± 0.001	23.6	0.00407	-22.27

Summary of results Polycyclic Aromatic Hydrocarbons P25 - En - Score

Labcode: LC0010



Summary of results Polycyclic Aromatic Hydrocarbons P25 Labcode: LC0011

Sample: P25A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Acenaphthene	ng/l	21 ± 1.63	65.3 ± 13.1	3.99	311	11.12
Acenaphthylene	ng/l	19.3 ± 1.45	41.4 ± 8.3	4.63	215	4.78
Anthracene	ng/l	22.3 ± 0.802	37.1 ± 7.4	5.81	166	2.54
Benzo[a]anthracene	ng/l	22.1 ± 2.18	65 ± 13	4.64	294	9.25
Benzo[a]pyrene	ng/l	15.6 ± 3.07	43.5 ± 8.7	5.3	279	5.27
Benzo[b]fluoranthene	ng/l	22.1 ± 2.26	62.5 ± 12.5	3.76	282	10.72
Benzo[g,h,i]perylene	ng/l	19.8 ± 2.33	48.5 ± 9.7	4.94	245	5.82
Benzo[k]fluoranthene	ng/l	19.7 ± 1.64	51.4 ± 10.3	5.11	261	6.20
Chrysene	ng/l	20.3 ± 2.06	60.3 ± 12.1	4.47	297	8.96
Dibenzo[a,h]anthracene	ng/l	21.2 ± 2	60.4 ± 12.1	6.36	285	6.16
Fluoranthene	ng/l	23.1 ± 0.916	58.7 ± 11.7	4.16	254	8.54
Fluorene	ng/l	25.6 ± 1.41	68.4 ± 13.7	3.58	267	11.96
Indeno[1,2,3-cd]pyrene	ng/l	21.4 ± 2.54	51.6 ± 10.3	5.35	241	5.64
Naphthalene	ng/l	28.3 ± 3.28	75.6 ± 15.1	5.94	267	7.96
Phenanthrene	ng/l	25.3 ± 1.31	63.8 ± 12.8	3.8	252	10.14
Pyrene	ng/l	20.8 ± 1.04	54.2 ± 10.8	3.33	260	10.02

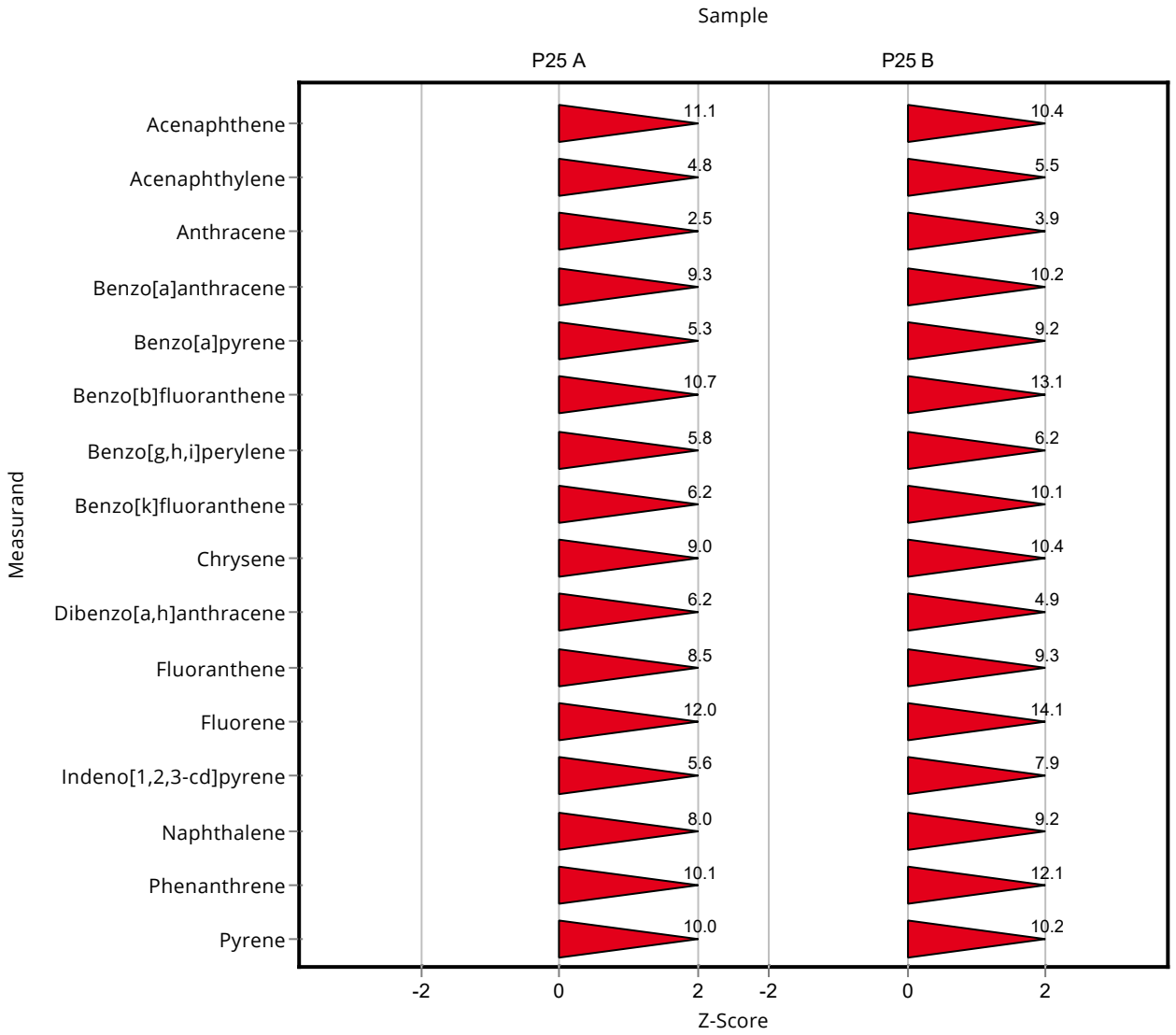
Sample: P25B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Acenaphthene	ng/l	129 ± 7.05	384 ± 77	24.5	298	10.41
Acenaphthylene	ng/l	167 ± 15.5	387 ± 77	40.1	232	5.48
Anthracene	ng/l	139 ± 7.99	281 ± 56	36.2	202	3.92
Benzo[a]anthracene	ng/l	155 ± 13.7	487 ± 97	32.5	314	10.21
Benzo[a]pyrene	ng/l	128 ± 12.2	412 ± 82	30.8	321	9.23
Benzo[b]fluoranthene	ng/l	175 ± 16.2	566 ± 113	29.8	323	13.11
Benzo[g,h,i]perylene	ng/l	133 ± 16.8	340 ± 68	33.3	255	6.20
Benzo[k]fluoranthene	ng/l	127 ± 9.09	462 ± 92	33.1	363	10.12
Chrysene	ng/l	129 ± 10.3	423 ± 85	28.3	328	10.38
Dibenzo[a,h]anthracene	ng/l	106 ± 18.7	310 ± 62	41.4	292	4.92
Fluoranthene	ng/l	153 ± 7.28	411 ± 82	27.6	268	9.34

Summary of results Polycyclic Aromatic Hydrocarbons P25

Labcode: LC0011

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Fluorene	ng/l	157 ± 11.3	467 ± 93	21.9	298	14.14
Indeno[1,2,3-cd]pyrene	ng/l	140 ± 15.1	417 ± 83	35	298	7.91
Naphthalene	ng/l	171 ± 15.1	501 ± 100	36	293	9.17
Phenanthrene	ng/l	149 ± 10.4	419 ± 84	22.3	281	12.10
Pyrene	ng/l	147 ± 6.62	388 ± 78	23.6	263	10.20



Sample: P25A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Acenaphthene	ng/l	21 ± 1.63	65.3 ± 13.1	3.99	311	1.69
Acenaphthylene	ng/l	19.3 ± 1.45	41.4 ± 8.3	4.63	215	1.33
Anthracene	ng/l	22.3 ± 0.802	37.1 ± 7.4	5.81	166	1.00
Benzo[a]anthracene	ng/l	22.1 ± 2.18	65 ± 13	4.64	294	1.64
Benzo[a]pyrene	ng/l	15.6 ± 3.07	43.5 ± 8.7	5.3	279	1.58
Benzo[b]fluoranthene	ng/l	22.1 ± 2.26	62.5 ± 12.5	3.76	282	1.61
Benzo[g,h,i]perylene	ng/l	19.8 ± 2.33	48.5 ± 9.7	4.94	245	1.47
Benzo[k]fluoranthene	ng/l	19.7 ± 1.64	51.4 ± 10.3	5.11	261	1.54
Chrysene	ng/l	20.3 ± 2.06	60.3 ± 12.1	4.47	297	1.65
Dibenzo[a,h]anthracene	ng/l	21.2 ± 2	60.4 ± 12.1	6.36	285	1.61
Fluoranthene	ng/l	23.1 ± 0.916	58.7 ± 11.7	4.16	254	1.52
Fluorene	ng/l	25.6 ± 1.41	68.4 ± 13.7	3.58	267	1.56
Indeno[1,2,3-cd]pyrene	ng/l	21.4 ± 2.54	51.6 ± 10.3	5.35	241	1.46
Naphthalene	ng/l	28.3 ± 3.28	75.6 ± 15.1	5.94	267	1.56
Phenanthrene	ng/l	25.3 ± 1.31	63.8 ± 12.8	3.8	252	1.50
Pyrene	ng/l	20.8 ± 1.04	54.2 ± 10.8	3.33	260	1.54

Sample: P25B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Acenaphthene	ng/l	129 ± 7.05	384 ± 77	24.5	298	1.65
Acenaphthylene	ng/l	167 ± 15.5	387 ± 77	40.1	232	1.42
Anthracene	ng/l	139 ± 7.99	281 ± 56	36.2	202	1.26
Benzo[a]anthracene	ng/l	155 ± 13.7	487 ± 97	32.5	314	1.71

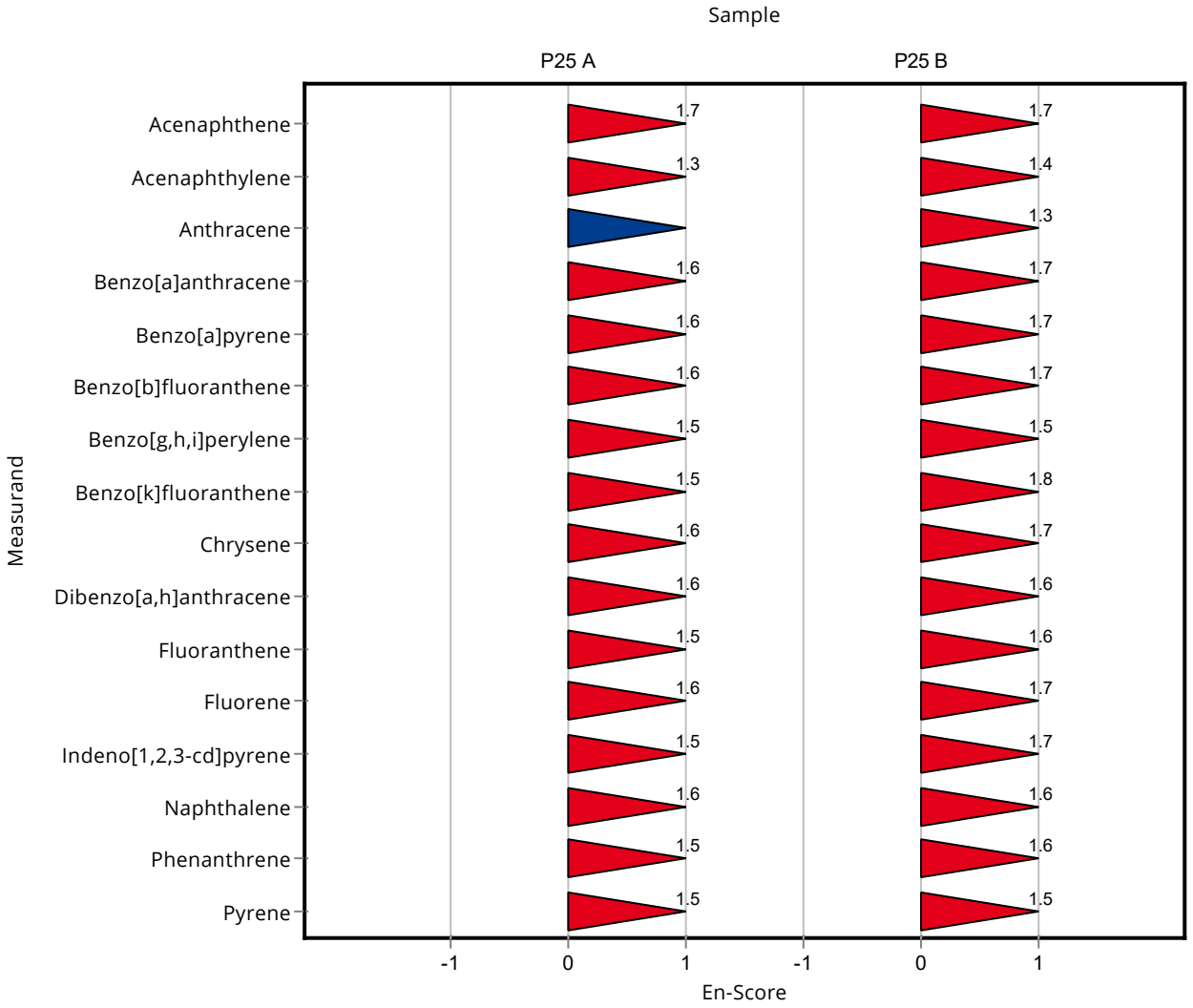
Summary of results Polycyclic Aromatic Hydrocarbons P25 - En - Score

Labcode: LC0011

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Benzo[a]pyrene	ng/l	128 ± 12.2	412 ± 82	30.8	321	1.73
Benzo[b]fluoranthene	ng/l	175 ± 16.2	566 ± 113	29.8	323	1.72
Benzo[g,h,i]perylene	ng/l	133 ± 16.8	340 ± 68	33.3	255	1.51
Benzo[k]fluoranthene	ng/l	127 ± 9.09	462 ± 92	33.1	363	1.82
Chrysene	ng/l	129 ± 10.3	423 ± 85	28.3	328	1.73
Dibenzo[a,h]anthracene	ng/l	106 ± 18.7	310 ± 62	41.4	292	1.63
Fluoranthene	ng/l	153 ± 7.28	411 ± 82	27.6	268	1.57
Fluorene	ng/l	157 ± 11.3	467 ± 93	21.9	298	1.67
Indeno[1,2,3-cd]pyrene	ng/l	140 ± 15.1	417 ± 83	35	298	1.66
Naphthalene	ng/l	171 ± 15.1	501 ± 100	36	293	1.64
Phenanthrene	ng/l	149 ± 10.4	419 ± 84	22.3	281	1.60
Pyrene	ng/l	147 ± 6.62	388 ± 78	23.6	263	1.54

Summary of results Polycyclic Aromatic Hydrocarbons P25 - En - Score

Labcode: LC0011



Summary of results Polycyclic Aromatic Hydrocarbons P25 Labcode: LC0012

Sample: P25A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Acenaphthene	ng/l	21 ± 1.63	16.5 ± 1.7	3.99	78.6	-1.12
Acenaphthylene	ng/l	19.3 ± 1.45	<30 (LOQ) ± -	4.63	-	-
Anthracene	ng/l	22.3 ± 0.802	22.2 ± 2.2	5.81	99.3	-0.03
Benzo[a]anthracene	ng/l	22.1 ± 2.18	26.7 ± 2.7	4.64	121	0.99
Benzo[a]pyrene	ng/l	15.6 ± 3.07	17.8 ± 1.8	5.3	114	0.42
Benzo[b]fluoranthene	ng/l	22.1 ± 2.26	24.4 ± 2.4	3.76	110	0.60
Benzo[g,h,i]perylene	ng/l	19.8 ± 2.33	16.8 ± 1.7	4.94	85	-0.60
Benzo[k]fluoranthene	ng/l	19.7 ± 1.64	22.6 ± 2.3	5.11	115	0.57
Chrysene	ng/l	20.3 ± 2.06	20.2 ± 2	4.47	99.5	-0.02
Dibenzo[a,h]anthracene	ng/l	21.2 ± 2	27.3 ± 2.7	6.36	129	0.96
Fluoranthene	ng/l	23.1 ± 0.916	22.7 ± 2.3	4.16	98.1	-0.11
Fluorene	ng/l	25.6 ± 1.41	26.6 ± 2.7	3.58	104	0.29
Indeno[1,2,3-cd]pyrene	ng/l	21.4 ± 2.54	25.8 ± 2.6	5.35	121	0.82
Naphthalene	ng/l	28.3 ± 3.28	<50 (LOQ) ± -	5.94	-	-
Phenanthrene	ng/l	25.3 ± 1.31	23.2 ± 2.3	3.8	91.7	-0.55
Pyrene	ng/l	20.8 ± 1.04	19.7 ± 2	3.33	94.6	-0.34

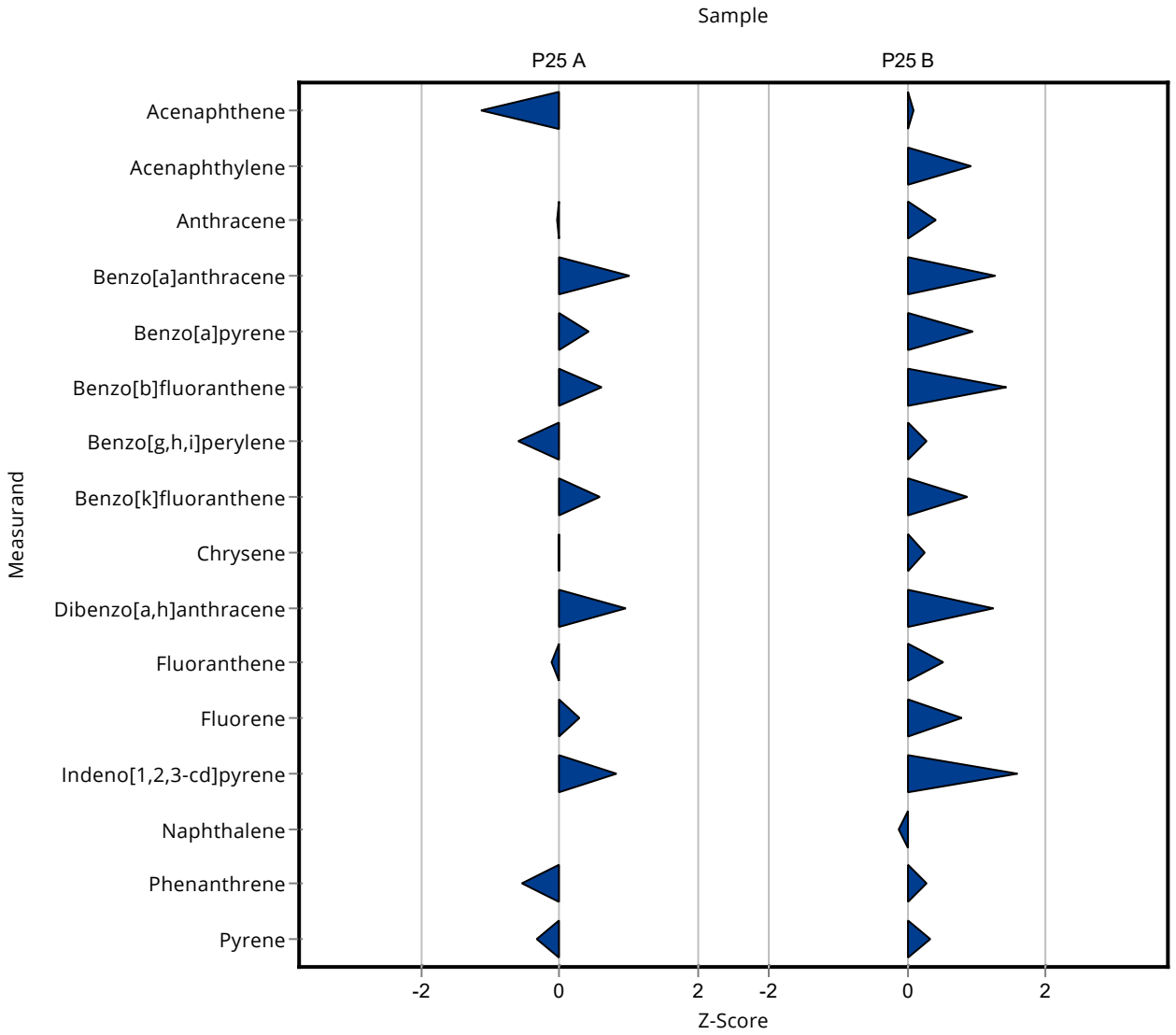
Sample: P25B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Acenaphthene	ng/l	129 ± 7.05	131 ± 13	24.5	102	0.08
Acenaphthylene	ng/l	167 ± 15.5	204 ± 20	40.1	122	0.92
Anthracene	ng/l	139 ± 7.99	154 ± 15	36.2	111	0.41
Benzo[a]anthracene	ng/l	155 ± 13.7	196 ± 20	32.5	127	1.26
Benzo[a]pyrene	ng/l	128 ± 12.2	157 ± 16	30.8	122	0.94
Benzo[b]fluoranthene	ng/l	175 ± 16.2	218 ± 22	29.8	124	1.43
Benzo[g,h,i]perylene	ng/l	133 ± 16.8	143 ± 14	33.3	107	0.29
Benzo[k]fluoranthene	ng/l	127 ± 9.09	156 ± 16	33.1	123	0.87
Chrysene	ng/l	129 ± 10.3	136 ± 14	28.3	106	0.25
Dibenzo[a,h]anthracene	ng/l	106 ± 18.7	157 ± 16	41.4	148	1.23
Fluoranthene	ng/l	153 ± 7.28	168 ± 17	27.6	110	0.53

Summary of results Polycyclic Aromatic Hydrocarbons P25

Labcode: LC0012

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Fluorene	ng/l	157 ± 11.3	174 ± 17	21.9	111	0.79
Indeno[1,2,3-cd]pyrene	ng/l	140 ± 15.1	196 ± 20	35	140	1.60
Naphthalene	ng/l	171 ± 15.1	167 ± 17	36	97.5	-0.12
Phenanthrene	ng/l	149 ± 10.4	155 ± 16	22.3	104	0.28
Pyrene	ng/l	147 ± 6.62	155 ± 16	23.6	105	0.32



Sample: P25A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Acenaphthene	ng/l	21 ± 1.63	16.5 ± 1.7	3.99	78.6	-1.19
Acenaphthylene	ng/l	19.3 ± 1.45	<30 (LOQ) ± -	4.63	-	-
Anthracene	ng/l	22.3 ± 0.802	22.2 ± 2.2	5.81	99.3	-0.03
Benzo[a]anthracene	ng/l	22.1 ± 2.18	26.7 ± 2.7	4.64	121	0.79
Benzo[a]pyrene	ng/l	15.6 ± 3.07	17.8 ± 1.8	5.3	114	0.47
Benzo[b]fluoranthene	ng/l	22.1 ± 2.26	24.4 ± 2.4	3.76	110	0.43
Benzo[g,h,i]perylene	ng/l	19.8 ± 2.33	16.8 ± 1.7	4.94	85	-0.72
Benzo[k]fluoranthene	ng/l	19.7 ± 1.64	22.6 ± 2.3	5.11	115	0.60
Chrysene	ng/l	20.3 ± 2.06	20.2 ± 2	4.47	99.5	-0.02
Dibenzo[a,h]anthracene	ng/l	21.2 ± 2	27.3 ± 2.7	6.36	129	1.06
Fluoranthene	ng/l	23.1 ± 0.916	22.7 ± 2.3	4.16	98.1	-0.09
Fluorene	ng/l	25.6 ± 1.41	26.6 ± 2.7	3.58	104	0.18
Indeno[1,2,3-cd]pyrene	ng/l	21.4 ± 2.54	25.8 ± 2.6	5.35	121	0.76
Naphthalene	ng/l	28.3 ± 3.28	<50 (LOQ) ± -	5.94	-	-
Phenanthrene	ng/l	25.3 ± 1.31	23.2 ± 2.3	3.8	91.7	-0.44
Pyrene	ng/l	20.8 ± 1.04	19.7 ± 2	3.33	94.6	-0.27

Sample: P25B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Acenaphthene	ng/l	129 ± 7.05	131 ± 13	24.5	102	0.08
Acenaphthylene	ng/l	167 ± 15.5	204 ± 20	40.1	122	0.86
Anthracene	ng/l	139 ± 7.99	154 ± 15	36.2	111	0.48
Benzo[a]anthracene	ng/l	155 ± 13.7	196 ± 20	32.5	127	0.97

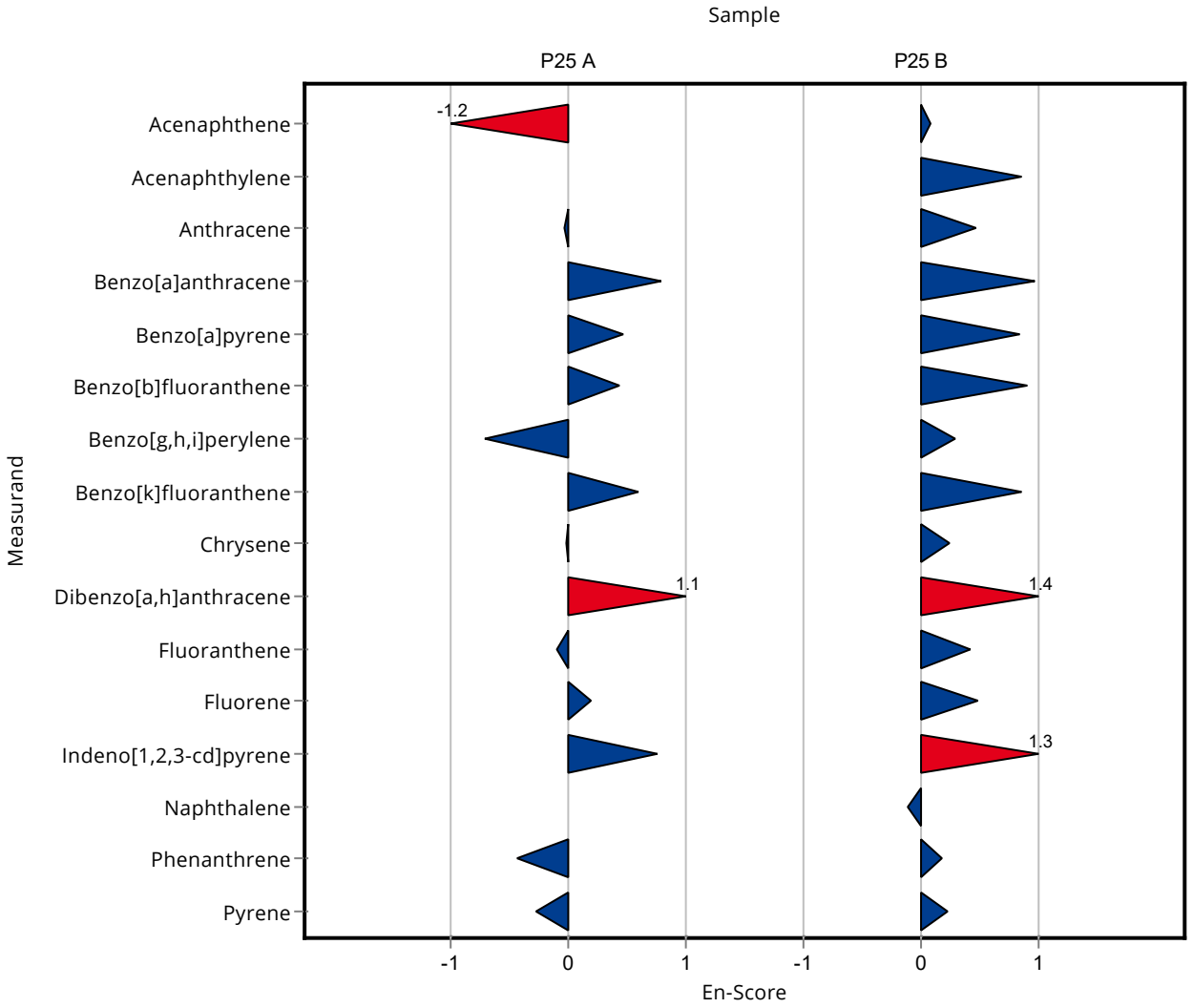
Summary of results Polycyclic Aromatic Hydrocarbons P25 - En - Score

Labcode: LC0012

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Benzo[a]pyrene	ng/l	128 ± 12.2	157 ± 16	30.8	122	0.84
Benzo[b]fluoranthene	ng/l	175 ± 16.2	218 ± 22	29.8	124	0.91
Benzo[g,h,i]perylene	ng/l	133 ± 16.8	143 ± 14	33.3	107	0.30
Benzo[k]fluoranthene	ng/l	127 ± 9.09	156 ± 16	33.1	123	0.86
Chrysene	ng/l	129 ± 10.3	136 ± 14	28.3	106	0.24
Dibenzo[a,h]anthracene	ng/l	106 ± 18.7	157 ± 16	41.4	148	1.37
Fluoranthene	ng/l	153 ± 7.28	168 ± 17	27.6	110	0.42
Fluorene	ng/l	157 ± 11.3	174 ± 17	21.9	111	0.48
Indeno[1,2,3-cd]pyrene	ng/l	140 ± 15.1	196 ± 20	35	140	1.31
Naphthalene	ng/l	171 ± 15.1	167 ± 17	36	97.5	-0.11
Phenanthrene	ng/l	149 ± 10.4	155 ± 16	22.3	104	0.18
Pyrene	ng/l	147 ± 6.62	155 ± 16	23.6	105	0.23

Summary of results Polycyclic Aromatic Hydrocarbons P25 - En - Score

Labcode: LC0012



Summary of results Polycyclic Aromatic Hydrocarbons P25 Labcode: LC0013

Sample: P25A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Acenaphthene	ng/l	21 ± 1.63	19 ± 0.49	3.99	90.6	-0.50
Acenaphthylene	ng/l	19.3 ± 1.45	21.8 ± 0.95	4.63	113	0.55
Anthracene	ng/l	22.3 ± 0.802	21.6 ± 0.57	5.81	96.7	-0.13
Benzo[a]anthracene	ng/l	22.1 ± 2.18	27 ± 0.85	4.64	122	1.06
Benzo[a]pyrene	ng/l	15.6 ± 3.07	19 ± 0.79	5.3	122	0.64
Benzo[b]fluoranthene	ng/l	22.1 ± 2.26	22.7 ± 0.86	3.76	103	0.15
Benzo[g,h,i]perylene	ng/l	19.8 ± 2.33	20.2 ± 0.81	4.94	102	0.09
Benzo[k]fluoranthene	ng/l	19.7 ± 1.64	20.5 ± 0.98	5.11	104	0.16
Chrysene	ng/l	20.3 ± 2.06	19.6 ± 1.03	4.47	96.6	-0.16
Dibenzo[a,h]anthracene	ng/l	21.2 ± 2	22.7 ± 0.99	6.36	107	0.23
Fluoranthene	ng/l	23.1 ± 0.916	22.5 ± 0.73	4.16	97.2	-0.15
Fluorene	ng/l	25.6 ± 1.41	22.5 ± 0.67	3.58	88	-0.86
Indeno[1,2,3-cd]pyrene	ng/l	21.4 ± 2.54	24.6 ± 0.99	5.35	115	0.60
Naphthalene	ng/l	28.3 ± 3.28	38.4 ± 0.54	5.94	136	1.70
Phenanthrene	ng/l	25.3 ± 1.31	24.1 ± 0.67	3.8	95.2	-0.32
Pyrene	ng/l	20.8 ± 1.04	22.7 ± 0.8	3.33	109	0.57

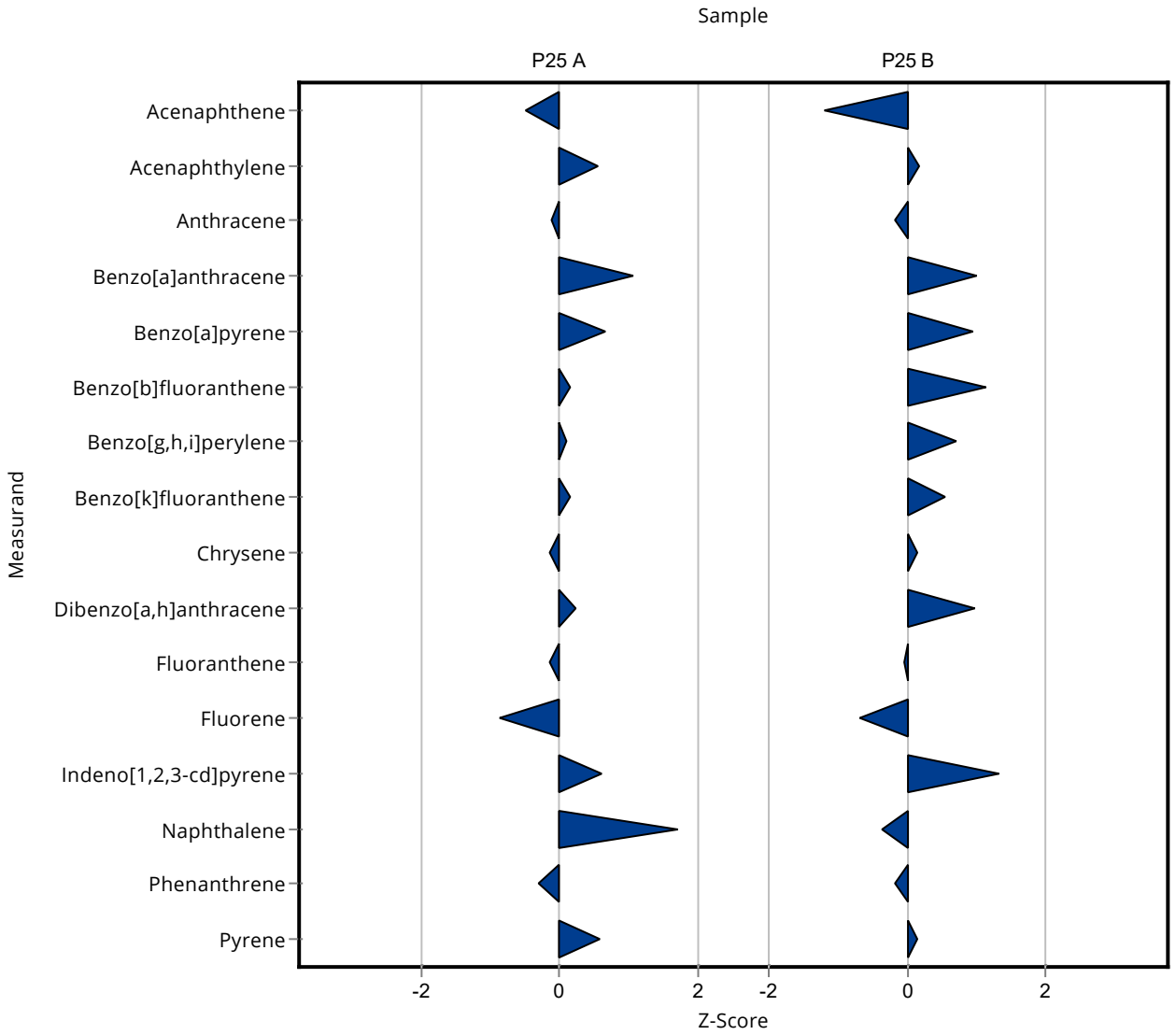
Sample: P25B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Acenaphthene	ng/l	129 ± 7.05	99.5 ± 1.01	24.5	77.2	-1.20
Acenaphthylene	ng/l	167 ± 15.5	174 ± 1.9	40.1	104	0.17
Anthracene	ng/l	139 ± 7.99	133 ± 1.17	36.2	95.6	-0.17
Benzo[a]anthracene	ng/l	155 ± 13.7	187 ± 1.93	32.5	121	0.99
Benzo[a]pyrene	ng/l	128 ± 12.2	157 ± 1.67	30.8	122	0.94
Benzo[b]fluoranthene	ng/l	175 ± 16.2	209 ± 2.02	29.8	119	1.13
Benzo[g,h,i]perylene	ng/l	133 ± 16.8	157 ± 1.71	33.3	118	0.71
Benzo[k]fluoranthene	ng/l	127 ± 9.09	145 ± 2.05	33.1	114	0.54
Chrysene	ng/l	129 ± 10.3	133 ± 2.1	28.3	103	0.15
Dibenzo[a,h]anthracene	ng/l	106 ± 18.7	146 ± 2.08	41.4	137	0.96
Fluoranthene	ng/l	153 ± 7.28	152 ± 1.55	27.6	99.1	-0.05

Summary of results Polycyclic Aromatic Hydrocarbons P25

Labcode: LC0013

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Fluorene	ng/l	157 ± 11.3	142 ± 1.39	21.9	90.6	-0.67
Indeno[1,2,3-cd]pyrene	ng/l	140 ± 15.1	186 ± 2.23	35	133	1.31
Naphthalene	ng/l	171 ± 15.1	158 ± 1.12	36	92.2	-0.37
Phenanthrene	ng/l	149 ± 10.4	145 ± 1.4	22.3	97.4	-0.17
Pyrene	ng/l	147 ± 6.62	151 ± 1.67	23.6	102	0.15



Summary of results Polycyclic Aromatic Hydrocarbons P25 - En - Score

Labcode: LC0013

Sample: P25A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Acenaphthene	ng/l	21 ± 1.63	19 ± 0.49	3.99	90.6	-1.04
Acenaphthylene	ng/l	19.3 ± 1.45	21.8 ± 0.95	4.63	113	1.06
Anthracene	ng/l	22.3 ± 0.802	21.6 ± 0.57	5.81	96.7	-0.54
Benzo[a]anthracene	ng/l	22.1 ± 2.18	27 ± 0.85	4.64	122	1.78
Benzo[a]pyrene	ng/l	15.6 ± 3.07	19 ± 0.79	5.3	122	0.99
Benzo[b]fluoranthene	ng/l	22.1 ± 2.26	22.7 ± 0.86	3.76	103	0.20
Benzo[g,h,i]perylene	ng/l	19.8 ± 2.33	20.2 ± 0.81	4.94	102	0.16
Benzo[k]fluoranthene	ng/l	19.7 ± 1.64	20.5 ± 0.98	5.11	104	0.32
Chrysene	ng/l	20.3 ± 2.06	19.6 ± 1.03	4.47	96.6	-0.24
Dibenzo[a,h]anthracene	ng/l	21.2 ± 2	22.7 ± 0.99	6.36	107	0.53
Fluoranthene	ng/l	23.1 ± 0.916	22.5 ± 0.73	4.16	97.2	-0.37
Fluorene	ng/l	25.6 ± 1.41	22.5 ± 0.67	3.58	88	-1.58
Indeno[1,2,3-cd]pyrene	ng/l	21.4 ± 2.54	24.6 ± 0.99	5.35	115	0.99
Naphthalene	ng/l	28.3 ± 3.28	38.4 ± 0.54	5.94	136	2.92
Phenanthrene	ng/l	25.3 ± 1.31	24.1 ± 0.67	3.8	95.2	-0.64
Pyrene	ng/l	20.8 ± 1.04	22.7 ± 0.8	3.33	109	0.99

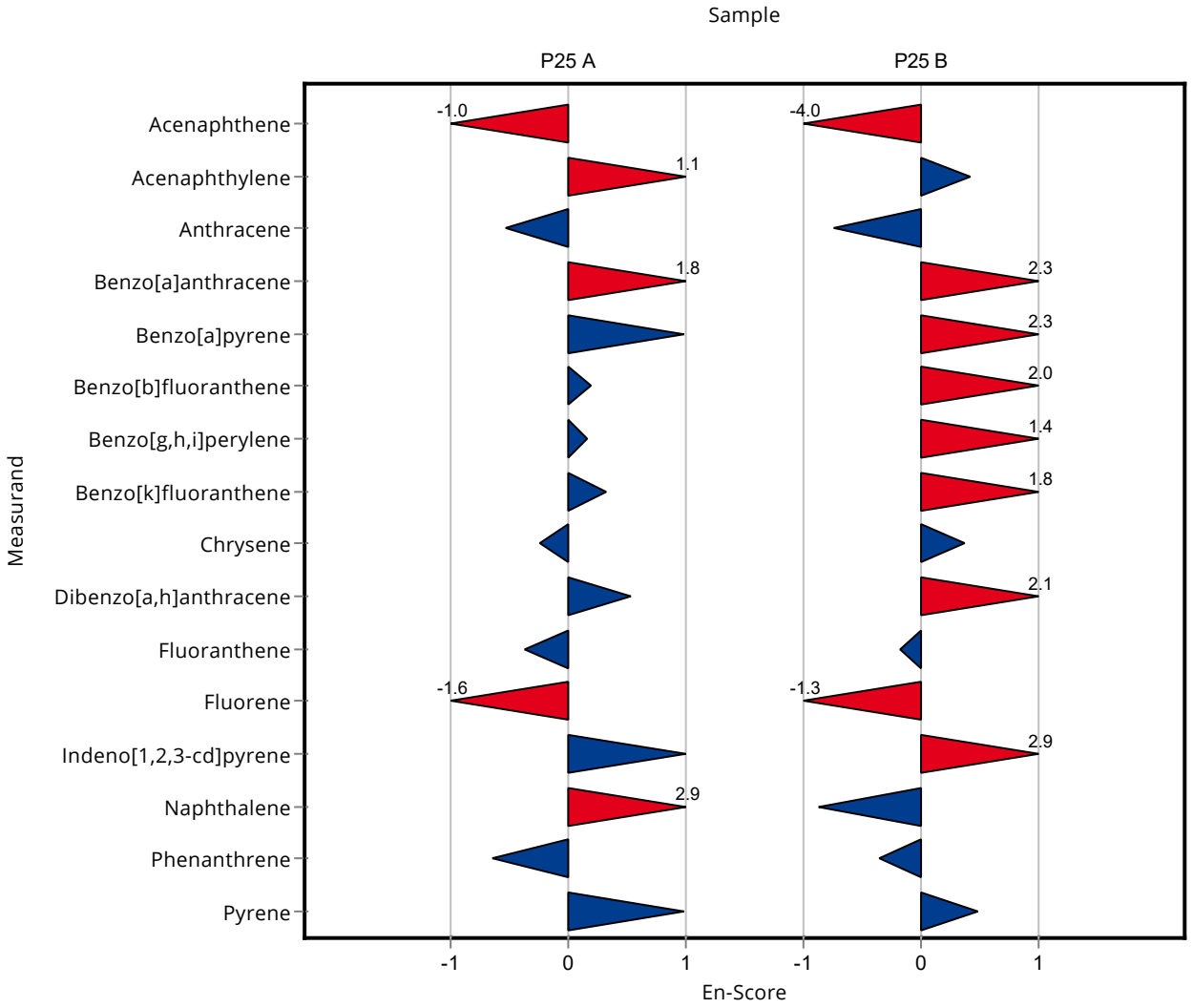
Sample: P25B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Acenaphthene	ng/l	129 ± 7.05	99.5 ± 1.01	24.5	77.2	-4.01
Acenaphthylene	ng/l	167 ± 15.5	174 ± 1.9	40.1	104	0.43
Anthracene	ng/l	139 ± 7.99	133 ± 1.17	36.2	95.6	-0.74
Benzo[a]anthracene	ng/l	155 ± 13.7	187 ± 1.93	32.5	121	2.26

Summary of results Polycyclic Aromatic Hydrocarbons P25 - En - Score

Labcode: LC0013

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Benzo[a]pyrene	ng/l	128 ± 12.2	157 ± 1.67	30.8	122	2.28
Benzo[b]fluoranthene	ng/l	175 ± 16.2	209 ± 2.02	29.8	119	2.02
Benzo[g,h,i]perylene	ng/l	133 ± 16.8	157 ± 1.71	33.3	118	1.38
Benzo[k]fluoranthene	ng/l	127 ± 9.09	145 ± 2.05	33.1	114	1.78
Chrysene	ng/l	129 ± 10.3	133 ± 2.1	28.3	103	0.37
Dibenzo[a,h]anthracene	ng/l	106 ± 18.7	146 ± 2.08	41.4	137	2.08
Fluoranthene	ng/l	153 ± 7.28	152 ± 1.55	27.6	99.1	-0.17
Fluorene	ng/l	157 ± 11.3	142 ± 1.39	21.9	90.6	-1.27
Indeno[1,2,3-cd]pyrene	ng/l	140 ± 15.1	186 ± 2.23	35	133	2.91
Naphthalene	ng/l	171 ± 15.1	158 ± 1.12	36	92.2	-0.87
Phenanthrene	ng/l	149 ± 10.4	145 ± 1.4	22.3	97.4	-0.36
Pyrene	ng/l	147 ± 6.62	151 ± 1.67	23.6	102	0.48


Sample
P25 A
P25 B
Measurand
Acenaphthene
Acenaphthylene
Anthracene
Benzo[a]anthracene
Benzo[a]pyrene
Benzo[b]fluoranthene
Benzo[g,h,i]perylene
Benzo[k]fluoranthene
Chrysene
Dibenzo[a,h]anthracene
Fluoranthene
Fluorene
Indeno[1,2,3-cd]pyrene
Naphthalene
Phenanthrene
Pyrene
-1.0
1.1
1.8
-1.6
2.9
-4.0
2.3
2.3
2.0
1.4
1.8
2.1
-1.3
2.9
-1
0
1
En-Score

Summary of results Polycyclic Aromatic Hydrocarbons P25 Labcode: LC0014

Sample: P25A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Acenaphthene	ng/l	21 ± 1.63	22.67 ± 6.9	3.99	108	0.42
Acenaphthylene	ng/l	19.3 ± 1.45	16.32 ± 2.6	4.63	84.7	-0.64
Anthracene	ng/l	22.3 ± 0.802	23.44 ± 1.8	5.81	105	0.19
Benzo[a]anthracene	ng/l	22.1 ± 2.18	26.11 ± 3.8	4.64	118	0.87
Benzo[a]pyrene	ng/l	15.6 ± 3.07	19 ± 3.8	5.3	122	0.64
Benzo[b]fluoranthene	ng/l	22.1 ± 2.26	25.71 ± 4.4	3.76	116	0.95
Benzo[g,h,i]perylene	ng/l	19.8 ± 2.33	22.19 ± 7.5	4.94	112	0.49
Benzo[k]fluoranthene	ng/l	19.7 ± 1.64	23.09 ± 5.4	5.11	117	0.67
Chrysene	ng/l	20.3 ± 2.06	18.65 ± 2.6	4.47	91.9	-0.37
Dibenzo[a,h]anthracene	ng/l	21.2 ± 2	24.8 ± 8.1	6.36	117	0.56
Fluoranthene	ng/l	23.1 ± 0.916	20.31 ± 1.3	4.16	87.8	-0.68
Fluorene	ng/l	25.6 ± 1.41	27.48 ± 9.1	3.58	107	0.53
Indeno[1,2,3-cd]pyrene	ng/l	21.4 ± 2.54	27.56 ± 9.6	5.35	129	1.15
Naphthalene	ng/l	28.3 ± 3.28	28.63 ± 6.2	5.94	101	0.06
Phenanthrene	ng/l	25.3 ± 1.31	24.54 ± 2.1	3.8	97	-0.20
Pyrene	ng/l	20.8 ± 1.04	20.52 ± 2.5	3.33	98.6	-0.09

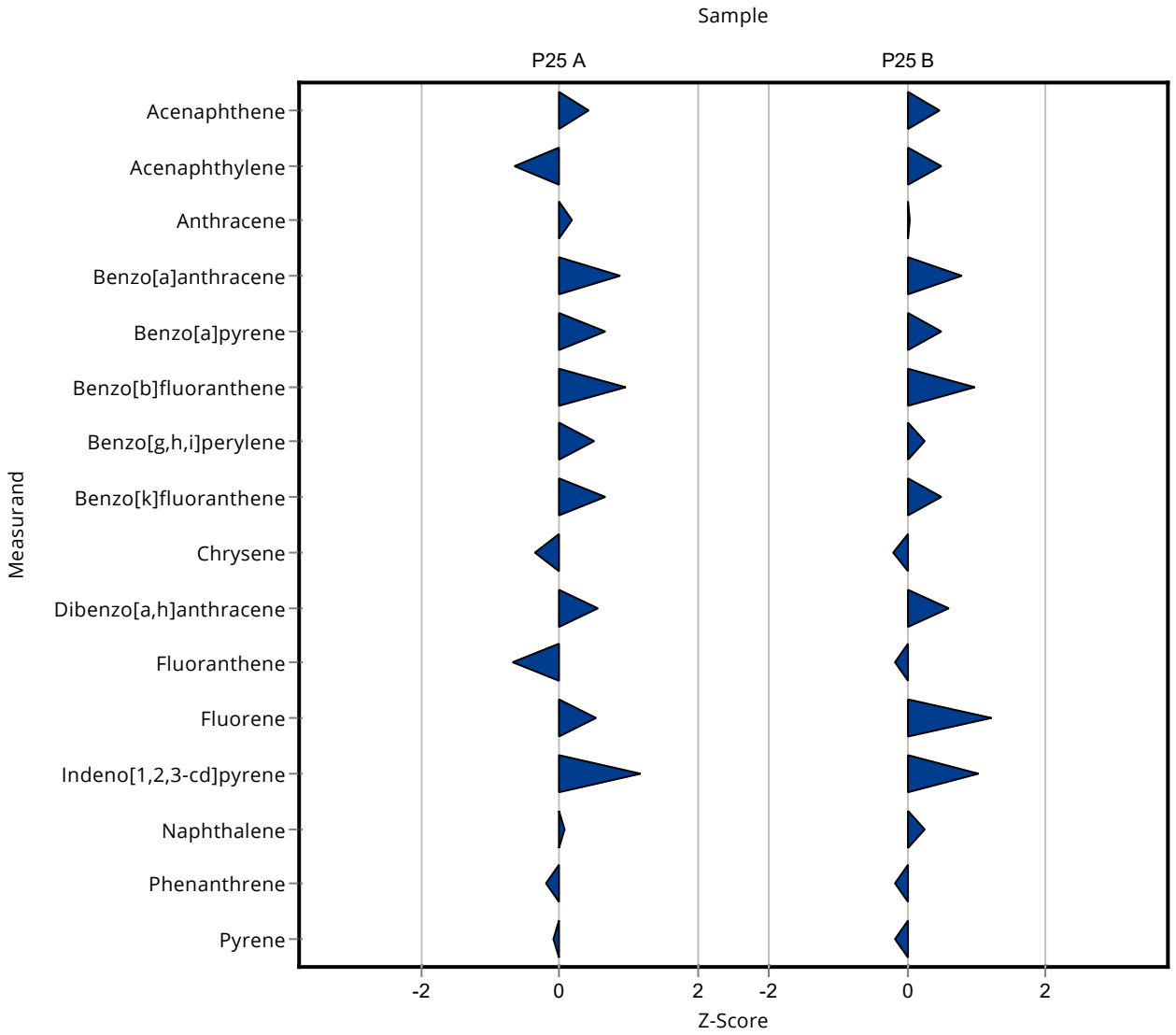
Sample: P25B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Acenaphthene	ng/l	129 ± 7.05	140.1 ± 43	24.5	109	0.46
Acenaphthylene	ng/l	167 ± 15.5	186.8 ± 30	40.1	112	0.49
Anthracene	ng/l	139 ± 7.99	140.8 ± 11	36.2	101	0.05
Benzo[a]anthracene	ng/l	155 ± 13.7	180.8 ± 26	32.5	117	0.80
Benzo[a]pyrene	ng/l	128 ± 12.2	143.3 ± 29	30.8	112	0.49
Benzo[b]fluoranthene	ng/l	175 ± 16.2	204.1 ± 35	29.8	116	0.97
Benzo[g,h,i]perylene	ng/l	133 ± 16.8	141.8 ± 48	33.3	106	0.25
Benzo[k]fluoranthene	ng/l	127 ± 9.09	143.4 ± 34	33.1	113	0.49
Chrysene	ng/l	129 ± 10.3	123 ± 17	28.3	95.5	-0.21
Dibenzo[a,h]anthracene	ng/l	106 ± 18.7	131.3 ± 42	41.4	124	0.61
Fluoranthene	ng/l	153 ± 7.28	148.5 ± 10	27.6	96.8	-0.18

Summary of results Polycyclic Aromatic Hydrocarbons P25

Labcode: LC0014

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Fluorene	ng/l	157 ± 11.3	183.6 ± 60	21.9	117	1.22
Indeno[1,2,3-cd]pyrene	ng/l	140 ± 15.1	175.7 ± 61	35	125	1.02
Naphthalene	ng/l	171 ± 15.1	180 ± 38	36	105	0.24
Phenanthrene	ng/l	149 ± 10.4	144.8 ± 12	22.3	97.3	-0.18
Pyrene	ng/l	147 ± 6.62	143.5 ± 17	23.6	97.3	-0.17



Summary of results Polycyclic Aromatic Hydrocarbons P25 - En - Score

Labcode: LC0014

Sample: P25A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Acenaphthene	ng/l	21 ± 1.63	22.67 ± 6.9	3.99	108	0.12
Acenaphthylene	ng/l	19.3 ± 1.45	16.32 ± 2.6	4.63	84.7	-0.55
Anthracene	ng/l	22.3 ± 0.802	23.44 ± 1.8	5.81	105	0.30
Benzo[a]anthracene	ng/l	22.1 ± 2.18	26.11 ± 3.8	4.64	118	0.51
Benzo[a]pyrene	ng/l	15.6 ± 3.07	19 ± 3.8	5.3	122	0.42
Benzo[b]fluoranthene	ng/l	22.1 ± 2.26	25.71 ± 4.4	3.76	116	0.39
Benzo[g,h,i]perylene	ng/l	19.8 ± 2.33	22.19 ± 7.5	4.94	112	0.16
Benzo[k]fluoranthene	ng/l	19.7 ± 1.64	23.09 ± 5.4	5.11	117	0.31
Chrysene	ng/l	20.3 ± 2.06	18.65 ± 2.6	4.47	91.9	-0.29
Dibenzo[a,h]anthracene	ng/l	21.2 ± 2	24.8 ± 8.1	6.36	117	0.22
Fluoranthene	ng/l	23.1 ± 0.916	20.31 ± 1.3	4.16	87.8	-1.03
Fluorene	ng/l	25.6 ± 1.41	27.48 ± 9.1	3.58	107	0.10
Indeno[1,2,3-cd]pyrene	ng/l	21.4 ± 2.54	27.56 ± 9.6	5.35	129	0.32
Naphthalene	ng/l	28.3 ± 3.28	28.63 ± 6.2	5.94	101	0.03
Phenanthrene	ng/l	25.3 ± 1.31	24.54 ± 2.1	3.8	97	-0.17
Pyrene	ng/l	20.8 ± 1.04	20.52 ± 2.5	3.33	98.6	-0.06

Sample: P25B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Acenaphthene	ng/l	129 ± 7.05	140.1 ± 43	24.5	109	0.13
Acenaphthylene	ng/l	167 ± 15.5	186.8 ± 30	40.1	112	0.32
Anthracene	ng/l	139 ± 7.99	140.8 ± 11	36.2	101	0.07
Benzo[a]anthracene	ng/l	155 ± 13.7	180.8 ± 26	32.5	117	0.48

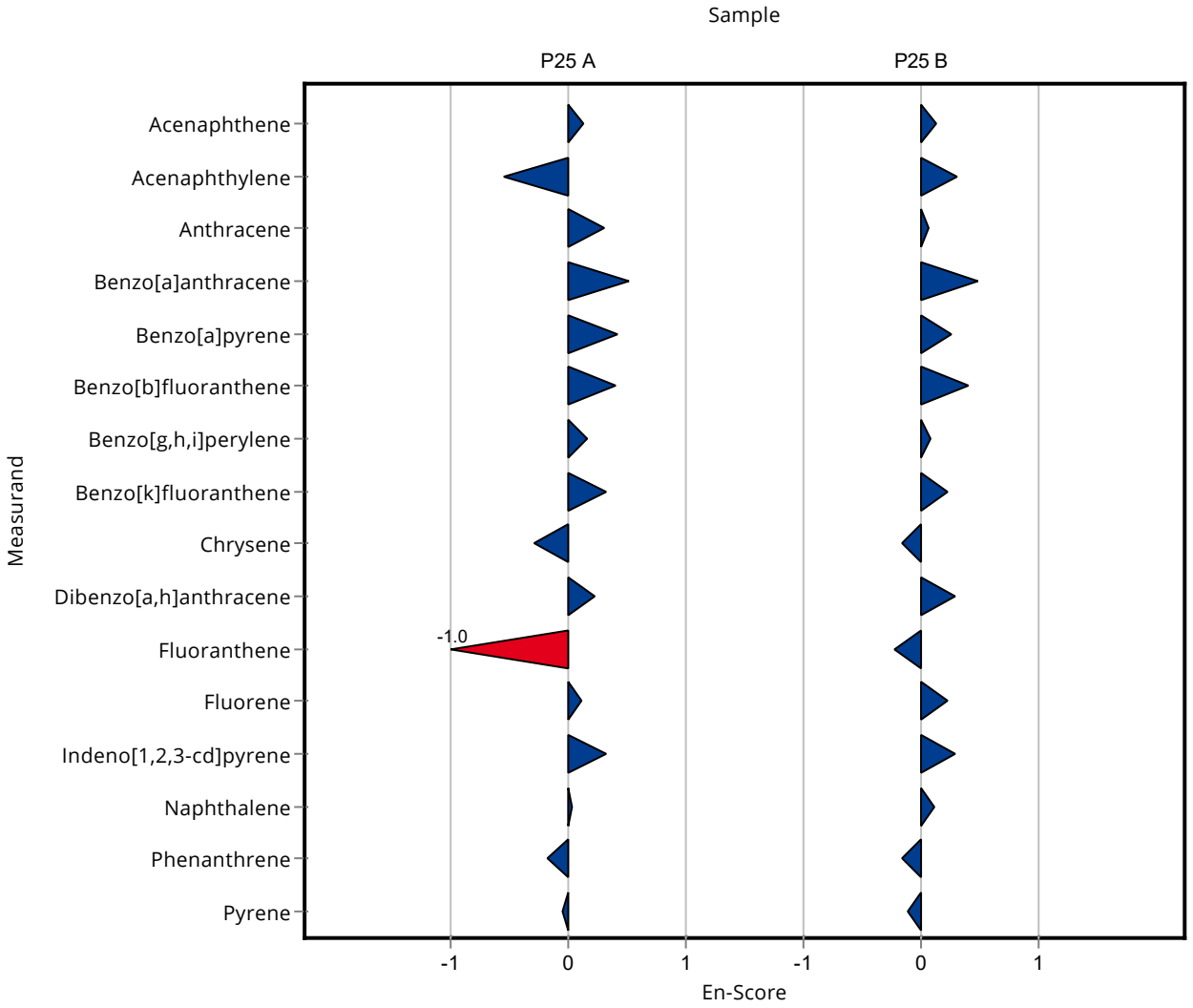
Summary of results Polycyclic Aromatic Hydrocarbons P25 - En - Score

Labcode: LC0014

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Benzo[a]pyrene	ng/l	128 ± 12.2	143.3 ± 29	30.8	112	0.26
Benzo[b]fluoranthene	ng/l	175 ± 16.2	204.1 ± 35	29.8	116	0.40
Benzo[g,h,i]perylene	ng/l	133 ± 16.8	141.8 ± 48	33.3	106	0.09
Benzo[k]fluoranthene	ng/l	127 ± 9.09	143.4 ± 34	33.1	113	0.24
Chrysene	ng/l	129 ± 10.3	123 ± 17	28.3	95.5	-0.16
Dibenzo[a,h]anthracene	ng/l	106 ± 18.7	131.3 ± 42	41.4	124	0.29
Fluoranthene	ng/l	153 ± 7.28	148.5 ± 10	27.6	96.8	-0.23
Fluorene	ng/l	157 ± 11.3	183.6 ± 60	21.9	117	0.22
Indeno[1,2,3-cd]pyrene	ng/l	140 ± 15.1	175.7 ± 61	35	125	0.29
Naphthalene	ng/l	171 ± 15.1	180 ± 38	36	105	0.11
Phenanthrene	ng/l	149 ± 10.4	144.8 ± 12	22.3	97.3	-0.15
Pyrene	ng/l	147 ± 6.62	143.5 ± 17	23.6	97.3	-0.11

Summary of results Polycyclic Aromatic Hydrocarbons P25 - En - Score

Labcode: LC0014



Summary of results Polycyclic Aromatic Hydrocarbons P25 Labcode: LC0015

Sample: P25A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Acenaphthene	ng/l	21 ± 1.63	19.08 ± 3.5	3.99	90.9	-0.48
Acenaphthylene	ng/l	19.3 ± 1.45	20.38 ± 2.4	4.63	106	0.24
Anthracene	ng/l	22.3 ± 0.802	19.24 ± 1.8	5.81	86.1	-0.53
Benzo[a]anthracene	ng/l	22.1 ± 2.18	12.43 ± 1.3	4.64	56.3	-2.08
Benzo[a]pyrene	ng/l	15.6 ± 3.07	9.06 ± 2.6	5.3	58.1	-1.23
Benzo[b]fluoranthene	ng/l	22.1 ± 2.26	16.46 ± 3.3	3.76	74.3	-1.51
Benzo[g,h,i]perylene	ng/l	19.8 ± 2.33	30.4 ± 3.2	4.94	154	2.15
Benzo[k]fluoranthene	ng/l	19.7 ± 1.64	22.58 ± 4.1	5.11	115	0.57
Chrysene	ng/l	20.3 ± 2.06	31.12 ± 4.1	4.47	153	2.42
Dibenzo[a,h]anthracene	ng/l	21.2 ± 2	16.35 ± 3.7	6.36	77.1	-0.76
Fluoranthene	ng/l	23.1 ± 0.916	24.1 ± 3.4	4.16	104	0.23
Fluorene	ng/l	25.6 ± 1.41	25.18 ± 4.7	3.58	98.5	-0.11
Indeno[1,2,3-cd]pyrene	ng/l	21.4 ± 2.54	23.88 ± 2.4	5.35	112	0.46
Naphthalene	ng/l	28.3 ± 3.28	25.26 ± 2.9	5.94	89.3	-0.51
Phenanthrene	ng/l	25.3 ± 1.31	21.52 ± 0.97	3.8	85	-1.00
Pyrene	ng/l	20.8 ± 1.04	23.1 ± 7.7	3.33	111	0.69

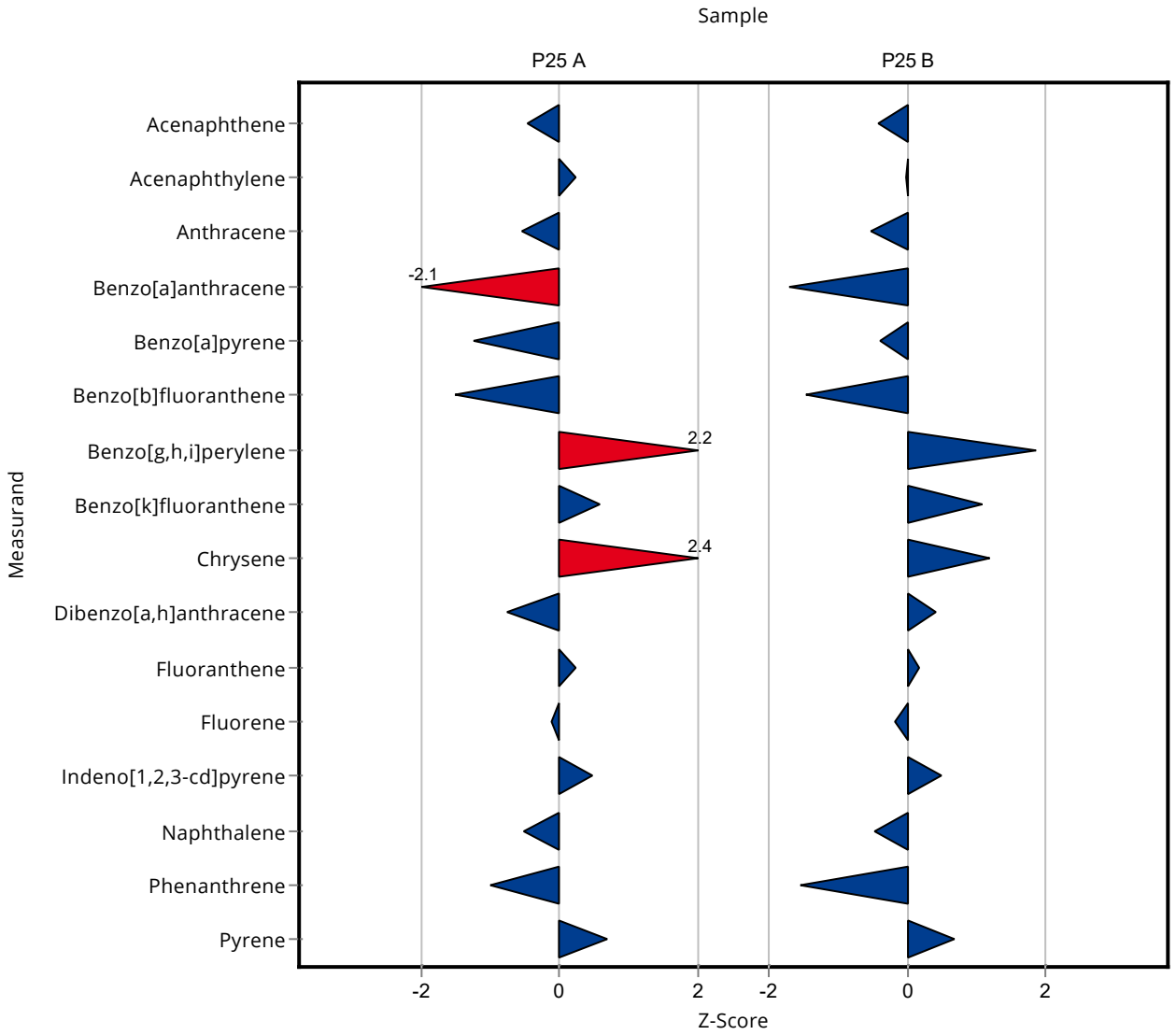
Sample: P25B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Acenaphthene	ng/l	129 ± 7.05	118.53 ± 21.9	24.5	91.9	-0.42
Acenaphthylene	ng/l	167 ± 15.5	166.18 ± 19.5	40.1	99.4	-0.02
Anthracene	ng/l	139 ± 7.99	120.03 ± 11.2	36.2	86.3	-0.53
Benzo[a]anthracene	ng/l	155 ± 13.7	99.8 ± 10.5	32.5	64.4	-1.69
Benzo[a]pyrene	ng/l	128 ± 12.2	116.25 ± 33.7	30.8	90.7	-0.39
Benzo[b]fluoranthene	ng/l	175 ± 16.2	132.08 ± 26.8	29.8	75.4	-1.45
Benzo[g,h,i]perylene	ng/l	133 ± 16.8	195.58 ± 20.8	33.3	147	1.87
Benzo[k]fluoranthene	ng/l	127 ± 9.09	162.75 ± 29.7	33.1	128	1.07
Chrysene	ng/l	129 ± 10.3	162.6 ± 21.5	28.3	126	1.19
Dibenzo[a,h]anthracene	ng/l	106 ± 18.7	123.2 ± 27.9	41.4	116	0.41
Fluoranthene	ng/l	153 ± 7.28	158.13 ± 22.1	27.6	103	0.17

Summary of results Polycyclic Aromatic Hydrocarbons P25

Labcode: LC0015

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Fluorene	ng/l	157 ± 11.3	152.6 ± 28.6	21.9	97.4	-0.19
Indeno[1,2,3-cd]pyrene	ng/l	140 ± 15.1	157.2 ± 15.9	35	112	0.49
Naphthalene	ng/l	171 ± 15.1	153.98 ± 17.8	36	89.9	-0.48
Phenanthrene	ng/l	149 ± 10.4	114.3 ± 5.2	22.3	76.8	-1.55
Pyrene	ng/l	147 ± 6.62	163.45 ± 54.2	23.6	111	0.68



Sample: P25A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Acenaphthene	ng/l	21 ± 1.63	19.08 ± 3.5	3.99	90.9	-0.26
Acenaphthylene	ng/l	19.3 ± 1.45	20.38 ± 2.4	4.63	106	0.22
Anthracene	ng/l	22.3 ± 0.802	19.24 ± 1.8	5.81	86.1	-0.84
Benzo[a]anthracene	ng/l	22.1 ± 2.18	12.43 ± 1.3	4.64	56.3	-2.85
Benzo[a]pyrene	ng/l	15.6 ± 3.07	9.06 ± 2.6	5.3	58.1	-1.08
Benzo[b]fluoranthene	ng/l	22.1 ± 2.26	16.46 ± 3.3	3.76	74.3	-0.81
Benzo[g,h,i]perylene	ng/l	19.8 ± 2.33	30.4 ± 3.2	4.94	154	1.56
Benzo[k]fluoranthene	ng/l	19.7 ± 1.64	22.58 ± 4.1	5.11	115	0.35
Chrysene	ng/l	20.3 ± 2.06	31.12 ± 4.1	4.47	153	1.28
Dibenzo[a,h]anthracene	ng/l	21.2 ± 2	16.35 ± 3.7	6.36	77.1	-0.63
Fluoranthene	ng/l	23.1 ± 0.916	24.1 ± 3.4	4.16	104	0.14
Fluorene	ng/l	25.6 ± 1.41	25.18 ± 4.7	3.58	98.5	-0.04
Indeno[1,2,3-cd]pyrene	ng/l	21.4 ± 2.54	23.88 ± 2.4	5.35	112	0.46
Naphthalene	ng/l	28.3 ± 3.28	25.26 ± 2.9	5.94	89.3	-0.46
Phenanthrene	ng/l	25.3 ± 1.31	21.52 ± 0.97	3.8	85	-1.62
Pyrene	ng/l	20.8 ± 1.04	23.1 ± 7.7	3.33	111	0.15

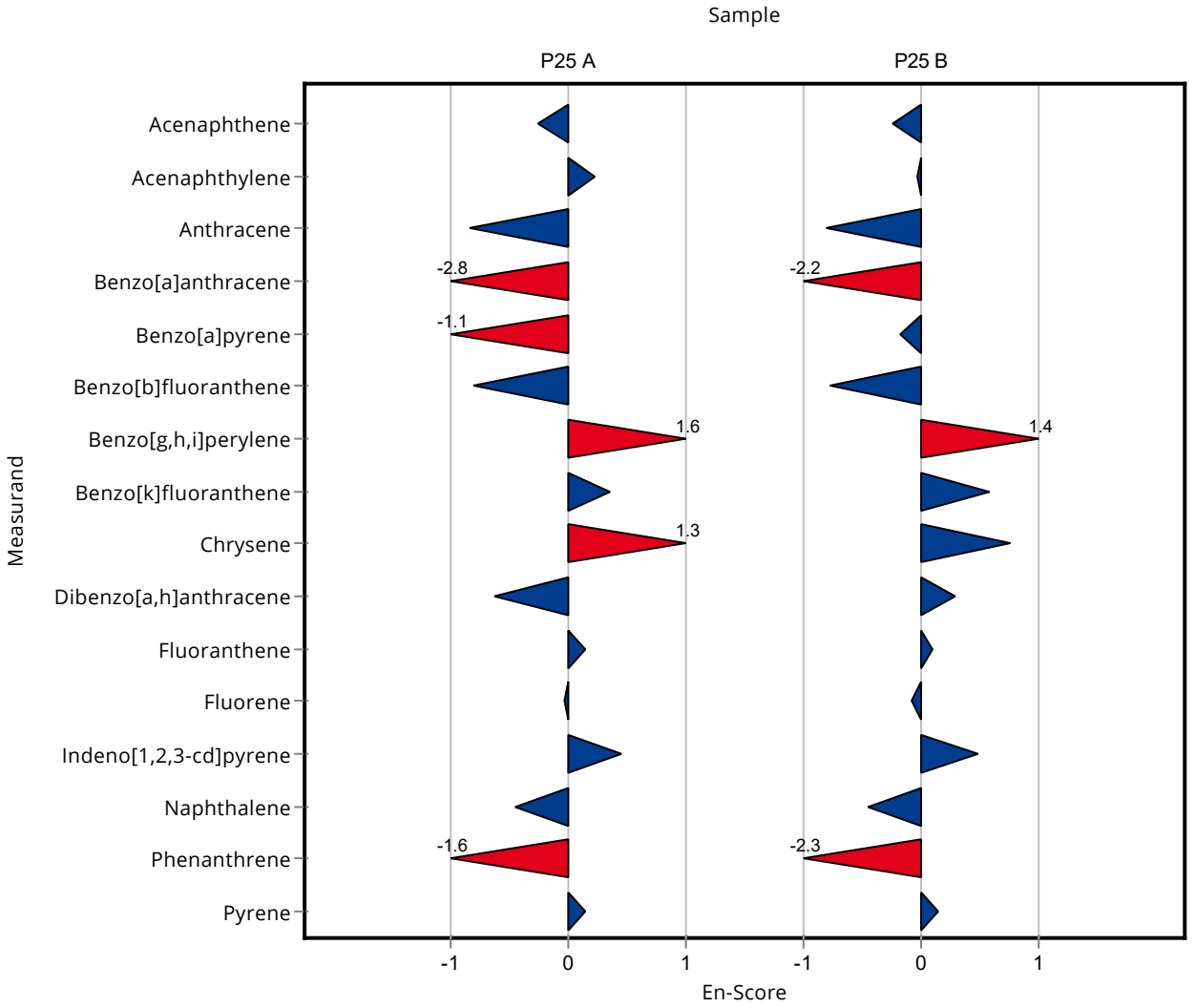
Sample: P25B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Acenaphthene	ng/l	129 ± 7.05	118.53 ± 21.9	24.5	91.9	-0.23
Acenaphthylene	ng/l	167 ± 15.5	166.18 ± 19.5	40.1	99.4	-0.02
Anthracene	ng/l	139 ± 7.99	120.03 ± 11.2	36.2	86.3	-0.80
Benzo[a]anthracene	ng/l	155 ± 13.7	99.8 ± 10.5	32.5	64.4	-2.20

Summary of results Polycyclic Aromatic Hydrocarbons P25 - En - Score

Labcode: LC0015

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Benzo[a]pyrene	ng/l	128 ± 12.2	116.25 ± 33.7	30.8	90.7	-0.17
Benzo[b]fluoranthene	ng/l	175 ± 16.2	132.08 ± 26.8	29.8	75.4	-0.77
Benzo[g,h,i]perylene	ng/l	133 ± 16.8	195.58 ± 20.8	33.3	147	1.39
Benzo[k]fluoranthene	ng/l	127 ± 9.09	162.75 ± 29.7	33.1	128	0.59
Chrysene	ng/l	129 ± 10.3	162.6 ± 21.5	28.3	126	0.76
Dibenzo[a,h]anthracene	ng/l	106 ± 18.7	123.2 ± 27.9	41.4	116	0.29
Fluoranthene	ng/l	153 ± 7.28	158.13 ± 22.1	27.6	103	0.11
Fluorene	ng/l	157 ± 11.3	152.6 ± 28.6	21.9	97.4	-0.07
Indeno[1,2,3-cd]pyrene	ng/l	140 ± 15.1	157.2 ± 15.9	35	112	0.49
Naphthalene	ng/l	171 ± 15.1	153.98 ± 17.8	36	89.9	-0.45
Phenanthrene	ng/l	149 ± 10.4	114.3 ± 5.2	22.3	76.8	-2.35
Pyrene	ng/l	147 ± 6.62	163.45 ± 54.2	23.6	111	0.15


Sample
P25 A
P25 B
Acenaphthene
Acenaphthylene
Anthracene
Benzo[a]anthracene
Benzo[a]pyrene
Benzo[b]fluoranthene
Benzo[g,h,i]perylene
Benzo[k]fluoranthene
Chrysene
Dibenzo[a,h]anthracene
Fluoranthene
Fluorene
Indeno[1,2,3-cd]pyrene
Naphthalene
Phenanthrene
Pyrene
Measurand
-2.8
-1.1
1.6
1.3
-1.6
-2.2
1.4
-2.3
-1
0
1
En-Score

Summary of results Polycyclic Aromatic Hydrocarbons P25 Labcode: LC0016

Sample: P25A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Acenaphthene	ng/l	21 ± 1.63	- ± -	3.99	-	-
Acenaphthylene	ng/l	19.3 ± 1.45	- ± -	4.63	-	-
Anthracene	ng/l	22.3 ± 0.802	- ± -	5.81	-	-
Benzo[a]anthracene	ng/l	22.1 ± 2.18	- ± -	4.64	-	-
Benzo[a]pyrene	ng/l	15.6 ± 3.07	5.8 ± 0.11	5.3	37.2	-1.85
Benzo[b]fluoranthene	ng/l	22.1 ± 2.26	17.8 ± 0.5	3.76	80.4	-1.15
Benzo[g,h,i]perylene	ng/l	19.8 ± 2.33	12.3 ± 0.26	4.94	62.2	-1.51
Benzo[k]fluoranthene	ng/l	19.7 ± 1.64	12.8 ± 0.6	5.11	65.1	-1.34
Chrysene	ng/l	20.3 ± 2.06	- ± -	4.47	-	-
Dibenzo[a,h]anthracene	ng/l	21.2 ± 2	- ± -	6.36	-	-
Fluoranthene	ng/l	23.1 ± 0.916	19.5 ± 0.06	4.16	84.3	-0.87
Fluorene	ng/l	25.6 ± 1.41	- ± -	3.58	-	-
Indeno[1,2,3-cd]pyrene	ng/l	21.4 ± 2.54	11.8 ± 0.5	5.35	55.1	-1.79
Naphthalene	ng/l	28.3 ± 3.28	- ± -	5.94	-	-
Phenanthrene	ng/l	25.3 ± 1.31	- ± -	3.8	-	-
Pyrene	ng/l	20.8 ± 1.04	- ± -	3.33	-	-

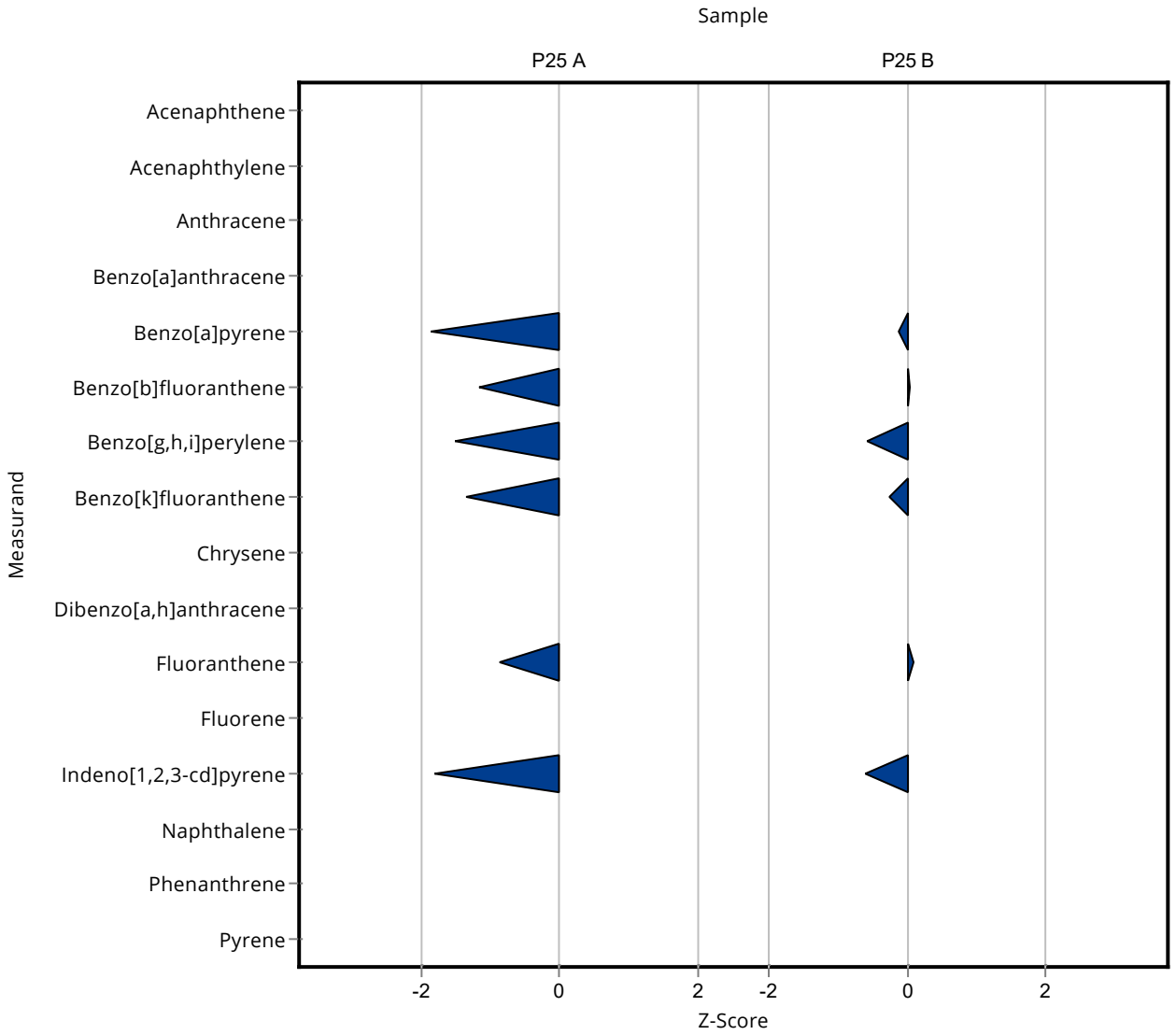
Sample: P25B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Acenaphthene	ng/l	129 ± 7.05	- ± -	24.5	-	-
Acenaphthylene	ng/l	167 ± 15.5	- ± -	40.1	-	-
Anthracene	ng/l	139 ± 7.99	- ± -	36.2	-	-
Benzo[a]anthracene	ng/l	155 ± 13.7	- ± -	32.5	-	-
Benzo[a]pyrene	ng/l	128 ± 12.2	124.1 ± 0.57	30.8	96.8	-0.13
Benzo[b]fluoranthene	ng/l	175 ± 16.2	176 ± 1.6	29.8	100	0.02
Benzo[g,h,i]perylene	ng/l	133 ± 16.8	113.7 ± 0.32	33.3	85.3	-0.59
Benzo[k]fluoranthene	ng/l	127 ± 9.09	118.8 ± 2.4	33.1	93.4	-0.26
Chrysene	ng/l	129 ± 10.3	- ± -	28.3	-	-
Dibenzo[a,h]anthracene	ng/l	106 ± 18.7	- ± -	41.4	-	-
Fluoranthene	ng/l	153 ± 7.28	155.5 ± 0.51	27.6	101	0.08

Summary of results Polycyclic Aromatic Hydrocarbons P25

Labcode: LC0016

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Fluorene	ng/l	157 ± 11.3	- ± -	21.9	-	-
Indeno[1,2,3-cd]pyrene	ng/l	140 ± 15.1	119.1 ± 2.72	35	85	-0.60
Naphthalene	ng/l	171 ± 15.1	- ± -	36	-	-
Phenanthrene	ng/l	149 ± 10.4	- ± -	22.3	-	-
Pyrene	ng/l	147 ± 6.62	- ± -	23.6	-	-



Summary of results Polycyclic Aromatic Hydrocarbons P25 - En - Score

Labcode: LC0016

Sample: P25A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Acenaphthene	ng/l	21 ± 1.63	- ± -	3.99	-	-
Acenaphthylene	ng/l	19.3 ± 1.45	- ± -	4.63	-	-
Anthracene	ng/l	22.3 ± 0.802	- ± -	5.81	-	-
Benzo[a]anthracene	ng/l	22.1 ± 2.18	- ± -	4.64	-	-
Benzo[a]pyrene	ng/l	15.6 ± 3.07	5.8 ± 0.11	5.3	37.2	-3.18
Benzo[b]fluoranthene	ng/l	22.1 ± 2.26	17.8 ± 0.5	3.76	80.4	-1.76
Benzo[g,h,i]perylene	ng/l	19.8 ± 2.33	12.3 ± 0.26	4.94	62.2	-3.12
Benzo[k]fluoranthene	ng/l	19.7 ± 1.64	12.8 ± 0.6	5.11	65.1	-3.39
Chrysene	ng/l	20.3 ± 2.06	- ± -	4.47	-	-
Dibenzo[a,h]anthracene	ng/l	21.2 ± 2	- ± -	6.36	-	-
Fluoranthene	ng/l	23.1 ± 0.916	19.5 ± 0.06	4.16	84.3	-3.94
Fluorene	ng/l	25.6 ± 1.41	- ± -	3.58	-	-
Indeno[1,2,3-cd]pyrene	ng/l	21.4 ± 2.54	11.8 ± 0.5	5.35	55.1	-3.52
Naphthalene	ng/l	28.3 ± 3.28	- ± -	5.94	-	-
Phenanthrene	ng/l	25.3 ± 1.31	- ± -	3.8	-	-
Pyrene	ng/l	20.8 ± 1.04	- ± -	3.33	-	-

Sample: P25B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Acenaphthene	ng/l	129 ± 7.05	- ± -	24.5	-	-
Acenaphthylene	ng/l	167 ± 15.5	- ± -	40.1	-	-
Anthracene	ng/l	139 ± 7.99	- ± -	36.2	-	-
Benzo[a]anthracene	ng/l	155 ± 13.7	- ± -	32.5	-	-

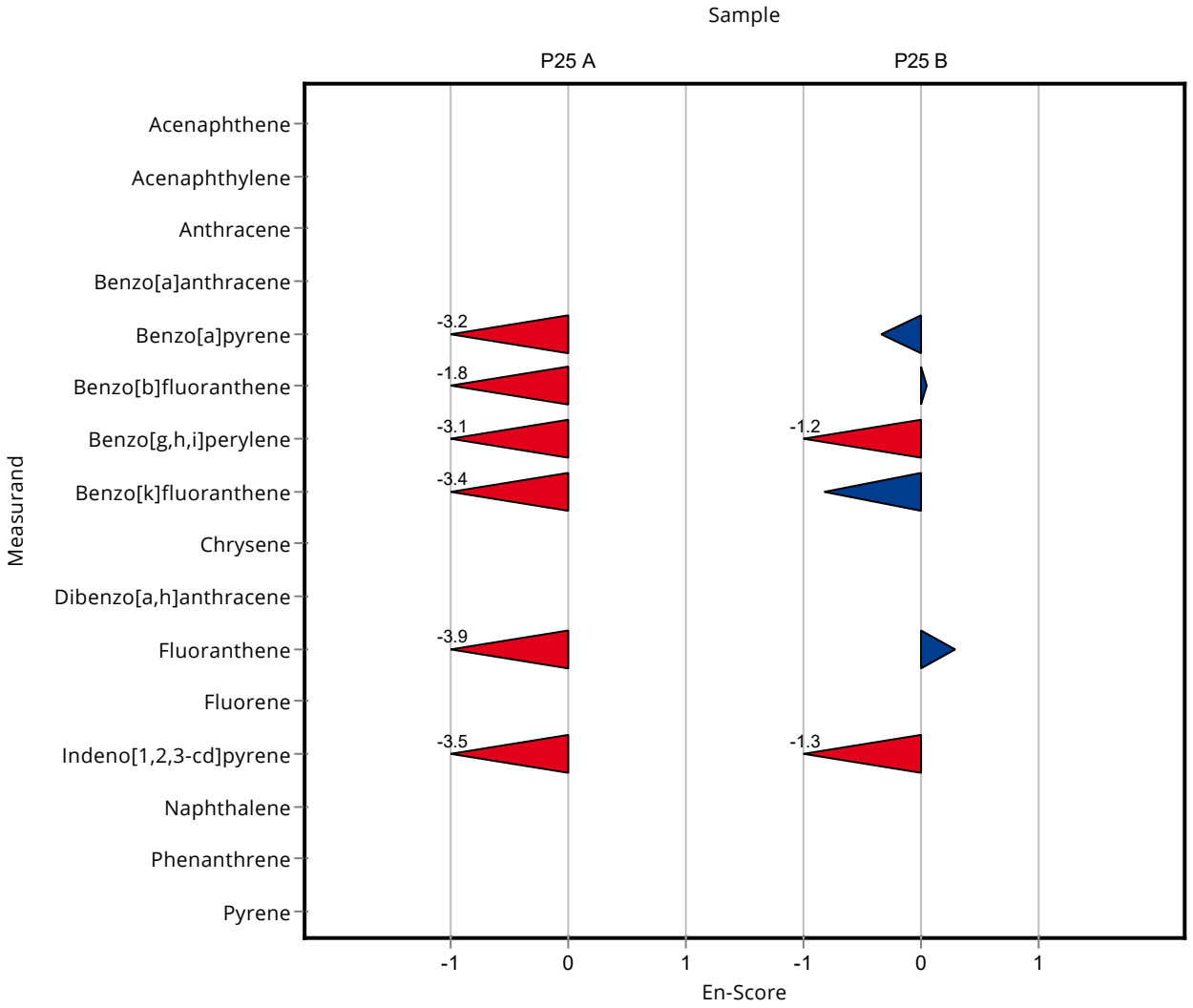
Summary of results Polycyclic Aromatic Hydrocarbons P25 - En - Score

Labcode: LC0016

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Benzo[a]pyrene	ng/l	128 ± 12.2	124.1 ± 0.57	30.8	96.8	-0.33
Benzo[b]fluoranthene	ng/l	175 ± 16.2	176 ± 1.6	29.8	100	0.04
Benzo[g,h,i]perylene	ng/l	133 ± 16.8	113.7 ± 0.32	33.3	85.3	-1.17
Benzo[k]fluoranthene	ng/l	127 ± 9.09	118.8 ± 2.4	33.1	93.4	-0.82
Chrysene	ng/l	129 ± 10.3	- ± -	28.3	-	-
Dibenzo[a,h]anthracene	ng/l	106 ± 18.7	- ± -	41.4	-	-
Fluoranthene	ng/l	153 ± 7.28	155.5 ± 0.51	27.6	101	0.29
Fluorene	ng/l	157 ± 11.3	- ± -	21.9	-	-
Indeno[1,2,3-cd]pyrene	ng/l	140 ± 15.1	119.1 ± 2.72	35	85	-1.31
Naphthalene	ng/l	171 ± 15.1	- ± -	36	-	-
Phenanthrene	ng/l	149 ± 10.4	- ± -	22.3	-	-
Pyrene	ng/l	147 ± 6.62	- ± -	23.6	-	-

Summary of results Polycyclic Aromatic Hydrocarbons P25 - En - Score

Labcode: LC0016



Summary of results Polycyclic Aromatic Hydrocarbons P25 Labcode: LC0017

Sample: P25A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Acenaphthene	ng/l	21 ± 1.63	- ± -	3.99	-	-
Acenaphthylene	ng/l	19.3 ± 1.45	- ± -	4.63	-	-
Anthracene	ng/l	22.3 ± 0.802	24.43 ± 10.74	5.81	109	0.36
Benzo[a]anthracene	ng/l	22.1 ± 2.18	17.78 ± 7.82	4.64	80.5	-0.93
Benzo[a]pyrene	ng/l	15.6 ± 3.07	12.13 ± 5.34	5.3	77.8	-0.65
Benzo[b]fluoranthene	ng/l	22.1 ± 2.26	22.51 ± 9.9	3.76	102	0.10
Benzo[g,h,i]perylene	ng/l	19.8 ± 2.33	16.55 ± 7.28	4.94	83.8	-0.65
Benzo[k]fluoranthene	ng/l	19.7 ± 1.64	18.61 ± 8.19	5.11	94.6	-0.21
Chrysene	ng/l	20.3 ± 2.06	25.01 ± 11	4.47	123	1.06
Dibenzo[a,h]anthracene	ng/l	21.2 ± 2	17.99 ± 7.92	6.36	84.8	-0.51
Fluoranthene	ng/l	23.1 ± 0.916	21.65 ± 9.53	4.16	93.6	-0.36
Fluorene	ng/l	25.6 ± 1.41	- ± -	3.58	-	-
Indeno[1,2,3-cd]pyrene	ng/l	21.4 ± 2.54	21.8 ± 9.59	5.35	102	0.07
Naphthalene	ng/l	28.3 ± 3.28	- ± -	5.94	-	-
Phenanthrene	ng/l	25.3 ± 1.31	- ± -	3.8	-	-
Pyrene	ng/l	20.8 ± 1.04	19.45 ± 8.56	3.33	93.4	-0.41

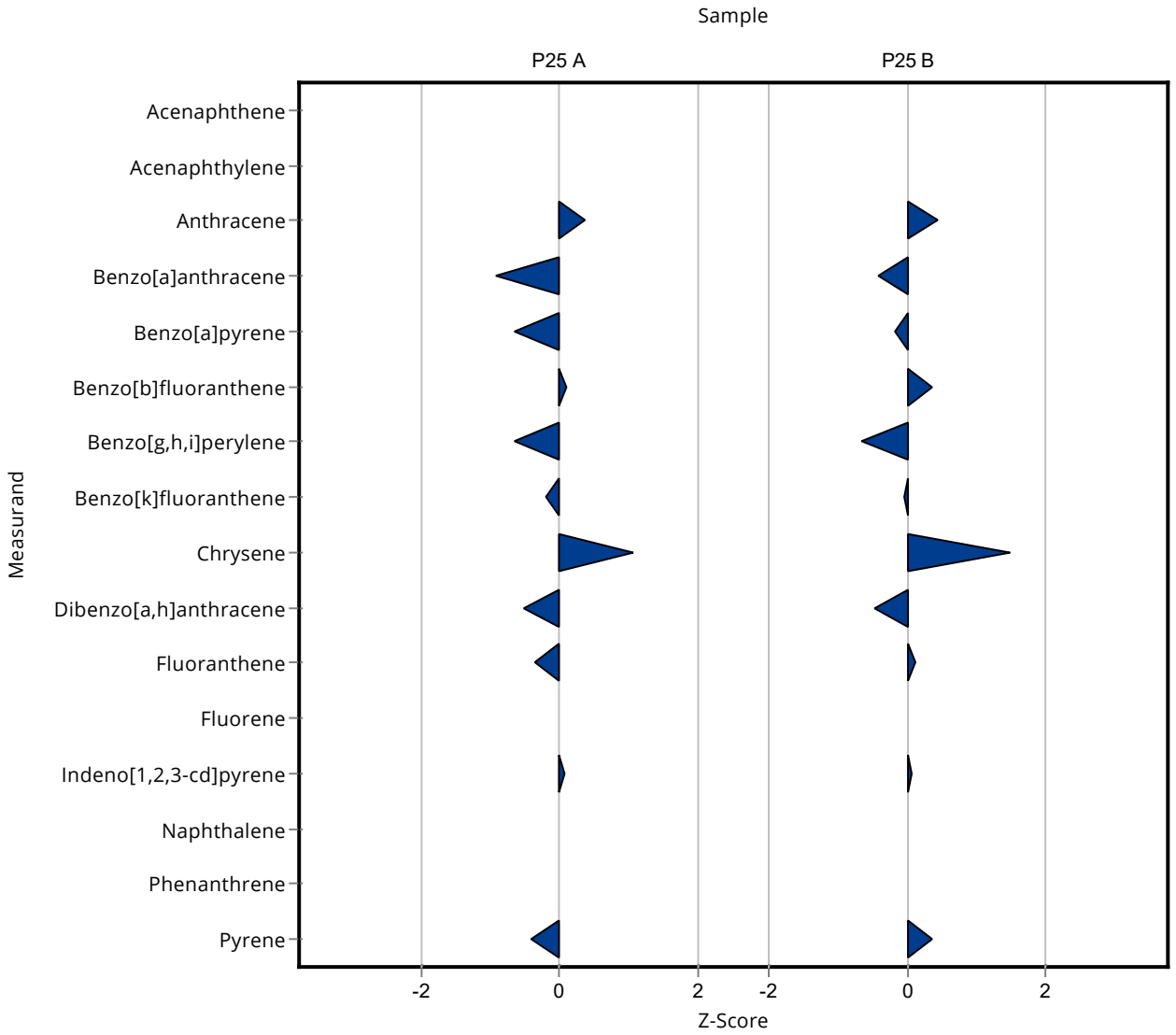
Sample: P25B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Acenaphthene	ng/l	129 ± 7.05	- ± -	24.5	-	-
Acenaphthylene	ng/l	167 ± 15.5	- ± -	40.1	-	-
Anthracene	ng/l	139 ± 7.99	155.3 ± 68.3	36.2	112	0.45
Benzo[a]anthracene	ng/l	155 ± 13.7	141.5 ± 62.3	32.5	91.4	-0.41
Benzo[a]pyrene	ng/l	128 ± 12.2	122.7 ± 53.9	30.8	95.7	-0.18
Benzo[b]fluoranthene	ng/l	175 ± 16.2	185.8 ± 81.8	29.8	106	0.35
Benzo[g,h,i]perylene	ng/l	133 ± 16.8	111.3 ± 48.9	33.3	83.5	-0.66
Benzo[k]fluoranthene	ng/l	127 ± 9.09	126 ± 55.4	33.1	99	-0.04
Chrysene	ng/l	129 ± 10.3	170.6 ± 75.1	28.3	132	1.47
Dibenzo[a,h]anthracene	ng/l	106 ± 18.7	86.65 ± 38.13	41.4	81.6	-0.47
Fluoranthene	ng/l	153 ± 7.28	156.4 ± 68.8	27.6	102	0.11

Summary of results Polycyclic Aromatic Hydrocarbons P25

Labcode: LC0017

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Fluorene	ng/l	157 ± 11.3	- ± -	21.9	-	-
Indeno[1,2,3-cd]pyrene	ng/l	140 ± 15.1	142 ± 62.5	35	101	0.05
Naphthalene	ng/l	171 ± 15.1	- ± -	36	-	-
Phenanthrene	ng/l	149 ± 10.4	- ± -	22.3	-	-
Pyrene	ng/l	147 ± 6.62	155.9 ± 68.6	23.6	106	0.36



Summary of results Polycyclic Aromatic Hydrocarbons P25 - En - Score

Labcode: LC0017

Sample: P25A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Acenaphthene	ng/l	21 ± 1.63	- ± -	3.99	-	-
Acenaphthylene	ng/l	19.3 ± 1.45	- ± -	4.63	-	-
Anthracene	ng/l	22.3 ± 0.802	24.43 ± 10.74	5.81	109	0.10
Benzo[a]anthracene	ng/l	22.1 ± 2.18	17.78 ± 7.82	4.64	80.5	-0.27
Benzo[a]pyrene	ng/l	15.6 ± 3.07	12.13 ± 5.34	5.3	77.8	-0.31
Benzo[b]fluoranthene	ng/l	22.1 ± 2.26	22.51 ± 9.9	3.76	102	0.02
Benzo[g,h,i]perylene	ng/l	19.8 ± 2.33	16.55 ± 7.28	4.94	83.8	-0.22
Benzo[k]fluoranthene	ng/l	19.7 ± 1.64	18.61 ± 8.19	5.11	94.6	-0.06
Chrysene	ng/l	20.3 ± 2.06	25.01 ± 11	4.47	123	0.21
Dibenzo[a,h]anthracene	ng/l	21.2 ± 2	17.99 ± 7.92	6.36	84.8	-0.20
Fluoranthene	ng/l	23.1 ± 0.916	21.65 ± 9.53	4.16	93.6	-0.08
Fluorene	ng/l	25.6 ± 1.41	- ± -	3.58	-	-
Indeno[1,2,3-cd]pyrene	ng/l	21.4 ± 2.54	21.8 ± 9.59	5.35	102	0.02
Naphthalene	ng/l	28.3 ± 3.28	- ± -	5.94	-	-
Phenanthrene	ng/l	25.3 ± 1.31	- ± -	3.8	-	-
Pyrene	ng/l	20.8 ± 1.04	19.45 ± 8.56	3.33	93.4	-0.08

Sample: P25B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Acenaphthene	ng/l	129 ± 7.05	- ± -	24.5	-	-
Acenaphthylene	ng/l	167 ± 15.5	- ± -	40.1	-	-
Anthracene	ng/l	139 ± 7.99	155.3 ± 68.3	36.2	112	0.12
Benzo[a]anthracene	ng/l	155 ± 13.7	141.5 ± 62.3	32.5	91.4	-0.11

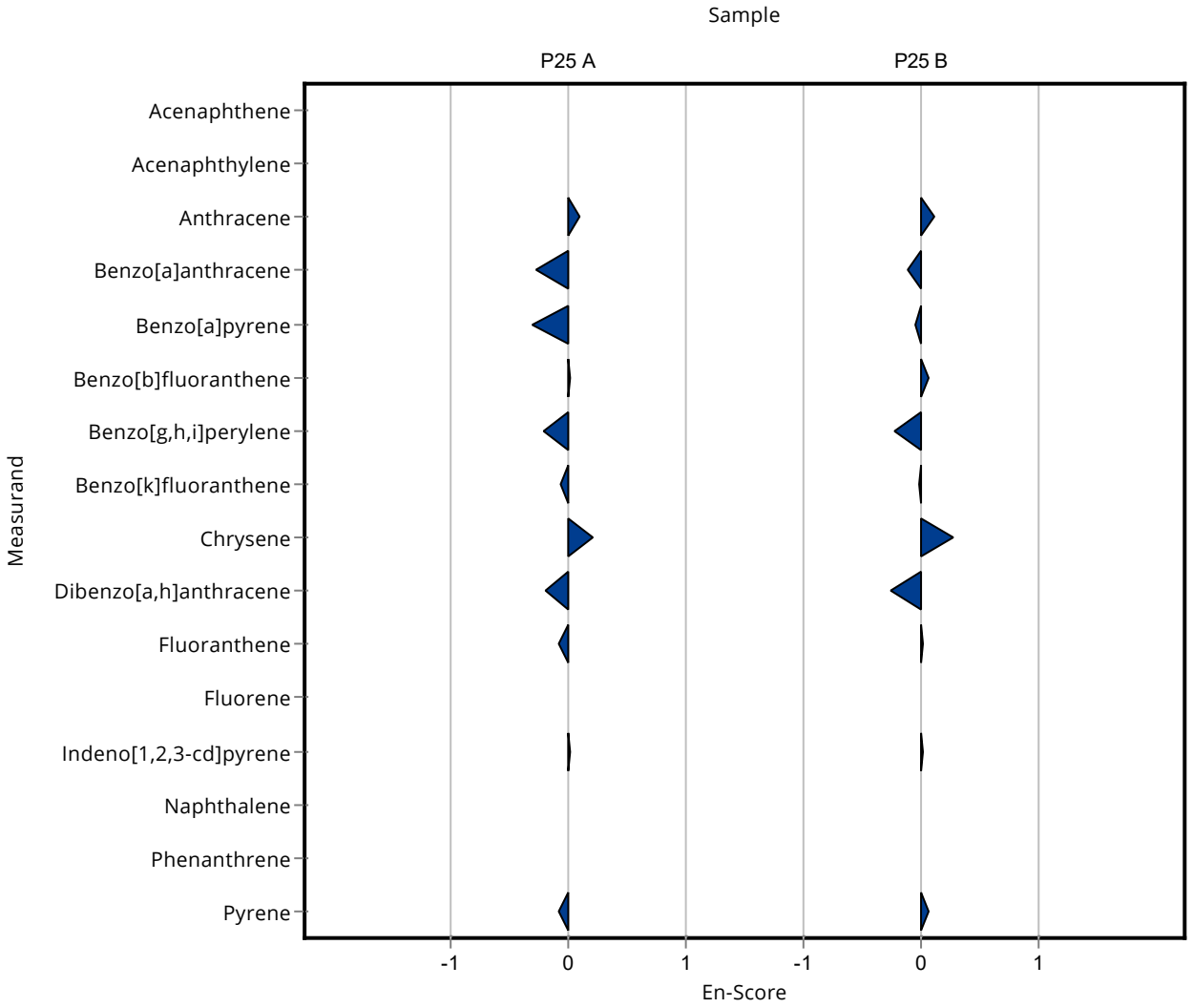
Summary of results Polycyclic Aromatic Hydrocarbons P25 - En - Score

Labcode: LC0017

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Benzo[a]pyrene	ng/l	128 ± 12.2	122.7 ± 53.9	30.8	95.7	-0.05
Benzo[b]fluoranthene	ng/l	175 ± 16.2	185.8 ± 81.8	29.8	106	0.06
Benzo[g,h,i]perylene	ng/l	133 ± 16.8	111.3 ± 48.9	33.3	83.5	-0.22
Benzo[k]fluoranthene	ng/l	127 ± 9.09	126 ± 55.4	33.1	99	-0.01
Chrysene	ng/l	129 ± 10.3	170.6 ± 75.1	28.3	132	0.28
Dibenzo[a,h]anthracene	ng/l	106 ± 18.7	86.65 ± 38.13	41.4	81.6	-0.25
Fluoranthene	ng/l	153 ± 7.28	156.4 ± 68.8	27.6	102	0.02
Fluorene	ng/l	157 ± 11.3	- ± -	21.9	-	-
Indeno[1,2,3-cd]pyrene	ng/l	140 ± 15.1	142 ± 62.5	35	101	0.02
Naphthalene	ng/l	171 ± 15.1	- ± -	36	-	-
Phenanthrene	ng/l	149 ± 10.4	- ± -	22.3	-	-
Pyrene	ng/l	147 ± 6.62	155.9 ± 68.6	23.6	106	0.06

Summary of results Polycyclic Aromatic Hydrocarbons P25 - En - Score

Labcode: LC0017



Summary of results Polycyclic Aromatic Hydrocarbons P25 Labcode: LC0018

Sample: P25A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Acenaphthene	ng/l	21 ± 1.63	<200 (LOQ) ± -	3.99	-	-
Acenaphthylene	ng/l	19.3 ± 1.45	<200 (LOQ) ± -	4.63	-	-
Anthracene	ng/l	22.3 ± 0.802	<200 (LOQ) ± -	5.81	-	-
Benzo[a]anthracene	ng/l	22.1 ± 2.18	<200 (LOQ) ± -	4.64	-	-
Benzo[a]pyrene	ng/l	15.6 ± 3.07	<200 (LOQ) ± -	5.3	-	-
Benzo[b]fluoranthene	ng/l	22.1 ± 2.26	<200 (LOQ) ± -	3.76	-	-
Benzo[g,h,i]perylene	ng/l	19.8 ± 2.33	<200 (LOQ) ± -	4.94	-	-
Benzo[k]fluoranthene	ng/l	19.7 ± 1.64	<200 (LOQ) ± -	5.11	-	-
Chrysene	ng/l	20.3 ± 2.06	<200 (LOQ) ± -	4.47	-	-
Dibenzo[a,h]anthracene	ng/l	21.2 ± 2	<200 (LOQ) ± -	6.36	-	-
Fluoranthene	ng/l	23.1 ± 0.916	<200 (LOQ) ± -	4.16	-	-
Fluorene	ng/l	25.6 ± 1.41	<200 (LOQ) ± -	3.58	-	-
Indeno[1,2,3-cd]pyrene	ng/l	21.4 ± 2.54	<200 (LOQ) ± -	5.35	-	-
Naphthalene	ng/l	28.3 ± 3.28	<200 (LOQ) ± -	5.94	-	-
Phenanthrene	ng/l	25.3 ± 1.31	<200 (LOQ) ± -	3.8	-	-
Pyrene	ng/l	20.8 ± 1.04	<200 (LOQ) ± -	3.33	-	-

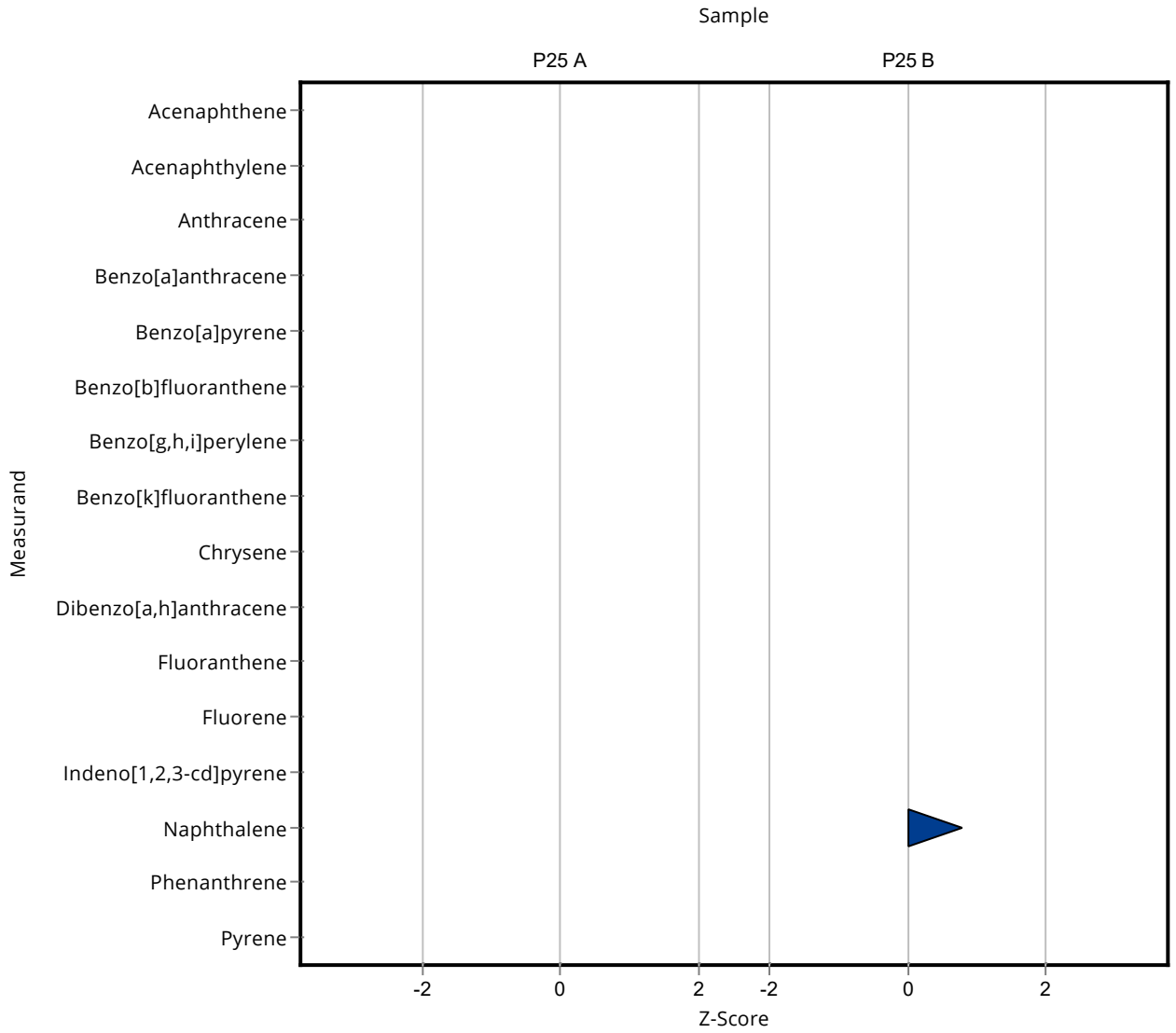
Sample: P25B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Acenaphthene	ng/l	129 ± 7.05	<200 (LOQ) ± -	24.5	-	-
Acenaphthylene	ng/l	167 ± 15.5	<200 (LOQ) ± -	40.1	-	-
Anthracene	ng/l	139 ± 7.99	<200 (LOQ) ± -	36.2	-	-
Benzo[a]anthracene	ng/l	155 ± 13.7	<200 (LOQ) ± -	32.5	-	-
Benzo[a]pyrene	ng/l	128 ± 12.2	<200 (LOQ) ± -	30.8	-	-
Benzo[b]fluoranthene	ng/l	175 ± 16.2	<200 (LOQ) ± -	29.8	-	-
Benzo[g,h,i]perylene	ng/l	133 ± 16.8	<200 (LOQ) ± -	33.3	-	-
Benzo[k]fluoranthene	ng/l	127 ± 9.09	<200 (LOQ) ± -	33.1	-	-
Chrysene	ng/l	129 ± 10.3	<200 (LOQ) ± -	28.3	-	-
Dibenzo[a,h]anthracene	ng/l	106 ± 18.7	<200 (LOQ) ± -	41.4	-	-
Fluoranthene	ng/l	153 ± 7.28	<200 (LOQ) ± -	27.6	-	-

Summary of results Polycyclic Aromatic Hydrocarbons P25

Labcode: LC0018

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Fluorene	ng/l	157 ± 11.3	<200 (LOQ) ± -	21.9	-	-
Indeno[1,2,3-cd]pyrene	ng/l	140 ± 15.1	<200 (LOQ) ± -	35	-	-
Naphthalene	ng/l	171 ± 15.1	200 ± 26	36	117	0.80
Phenanthrene	ng/l	149 ± 10.4	<200 (LOQ) ± -	22.3	-	-
Pyrene	ng/l	147 ± 6.62	<200 (LOQ) ± -	23.6	-	-



Summary of results Polycyclic Aromatic Hydrocarbons P25 - En - Score

Labcode: LC0018

Sample: P25A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Acenaphthene	ng/l	21 ± 1.63	<200 (LOQ) ± -	3.99	-	-
Acenaphthylene	ng/l	19.3 ± 1.45	<200 (LOQ) ± -	4.63	-	-
Anthracene	ng/l	22.3 ± 0.802	<200 (LOQ) ± -	5.81	-	-
Benzo[a]anthracene	ng/l	22.1 ± 2.18	<200 (LOQ) ± -	4.64	-	-
Benzo[a]pyrene	ng/l	15.6 ± 3.07	<200 (LOQ) ± -	5.3	-	-
Benzo[b]fluoranthene	ng/l	22.1 ± 2.26	<200 (LOQ) ± -	3.76	-	-
Benzo[g,h,i]perylene	ng/l	19.8 ± 2.33	<200 (LOQ) ± -	4.94	-	-
Benzo[k]fluoranthene	ng/l	19.7 ± 1.64	<200 (LOQ) ± -	5.11	-	-
Chrysene	ng/l	20.3 ± 2.06	<200 (LOQ) ± -	4.47	-	-
Dibenzo[a,h]anthracene	ng/l	21.2 ± 2	<200 (LOQ) ± -	6.36	-	-
Fluoranthene	ng/l	23.1 ± 0.916	<200 (LOQ) ± -	4.16	-	-
Fluorene	ng/l	25.6 ± 1.41	<200 (LOQ) ± -	3.58	-	-
Indeno[1,2,3-cd]pyrene	ng/l	21.4 ± 2.54	<200 (LOQ) ± -	5.35	-	-
Naphthalene	ng/l	28.3 ± 3.28	<200 (LOQ) ± -	5.94	-	-
Phenanthrene	ng/l	25.3 ± 1.31	<200 (LOQ) ± -	3.8	-	-
Pyrene	ng/l	20.8 ± 1.04	<200 (LOQ) ± -	3.33	-	-

Sample: P25B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Acenaphthene	ng/l	129 ± 7.05	<200 (LOQ) ± -	24.5	-	-
Acenaphthylene	ng/l	167 ± 15.5	<200 (LOQ) ± -	40.1	-	-
Anthracene	ng/l	139 ± 7.99	<200 (LOQ) ± -	36.2	-	-
Benzo[a]anthracene	ng/l	155 ± 13.7	<200 (LOQ) ± -	32.5	-	-

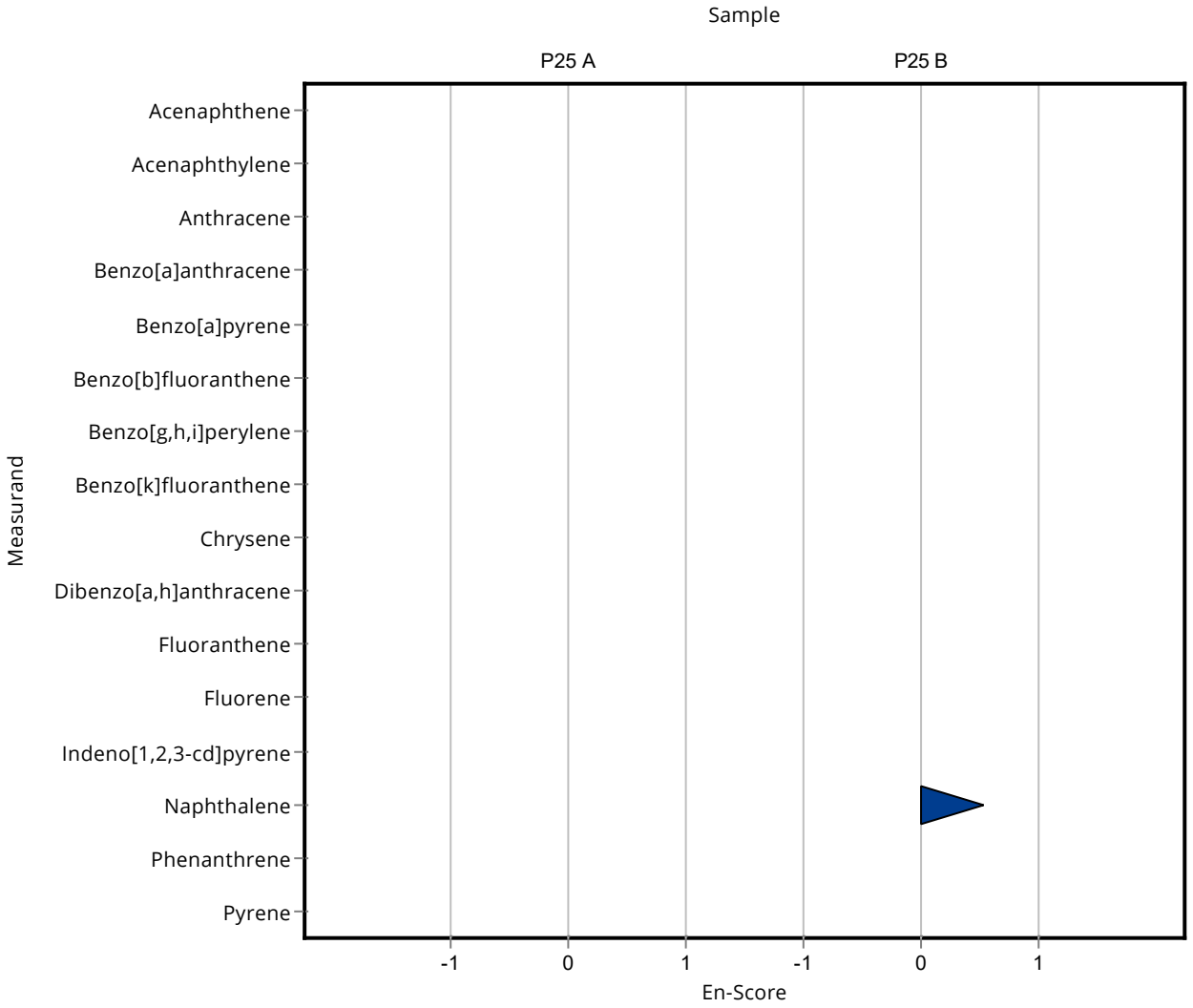
Summary of results Polycyclic Aromatic Hydrocarbons P25 - En - Score

Labcode: LC0018

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Benzo[a]pyrene	ng/l	128 ± 12.2	<200 (LOQ) ± -	30.8	-	-
Benzo[b]fluoranthene	ng/l	175 ± 16.2	<200 (LOQ) ± -	29.8	-	-
Benzo[g,h,i]perylene	ng/l	133 ± 16.8	<200 (LOQ) ± -	33.3	-	-
Benzo[k]fluoranthene	ng/l	127 ± 9.09	<200 (LOQ) ± -	33.1	-	-
Chrysene	ng/l	129 ± 10.3	<200 (LOQ) ± -	28.3	-	-
Dibenzo[a,h]anthracene	ng/l	106 ± 18.7	<200 (LOQ) ± -	41.4	-	-
Fluoranthene	ng/l	153 ± 7.28	<200 (LOQ) ± -	27.6	-	-
Fluorene	ng/l	157 ± 11.3	<200 (LOQ) ± -	21.9	-	-
Indeno[1,2,3-cd]pyrene	ng/l	140 ± 15.1	<200 (LOQ) ± -	35	-	-
Naphthalene	ng/l	171 ± 15.1	200 ± 26	36	117	0.53
Phenanthrene	ng/l	149 ± 10.4	<200 (LOQ) ± -	22.3	-	-
Pyrene	ng/l	147 ± 6.62	<200 (LOQ) ± -	23.6	-	-

Summary of results Polycyclic Aromatic Hydrocarbons P25 - En - Score

Labcode: LC0018



Summary of results Polycyclic Aromatic Hydrocarbons P25 Labcode: LC0019

Sample: P25A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Acenaphthene	ng/l	21 ± 1.63	26.5 ± 5.3	3.99	126	1.38
Acenaphthylene	ng/l	19.3 ± 1.45	23 ± 4.6	4.63	119	0.81
Anthracene	ng/l	22.3 ± 0.802	24.5 ± 4.9	5.81	110	0.37
Benzo[a]anthracene	ng/l	22.1 ± 2.18	23.5 ± 4.7	4.64	106	0.31
Benzo[a]pyrene	ng/l	15.6 ± 3.07	<10 (LOQ) ± -	5.3	-	-
Benzo[b]fluoranthene	ng/l	22.1 ± 2.26	15 ± 3	3.76	67.7	-1.90
Benzo[g,h,i]perylene	ng/l	19.8 ± 2.33	<10 (LOQ) ± -	4.94	-	-
Benzo[k]fluoranthene	ng/l	19.7 ± 1.64	14 ± 2.8	5.11	71.2	-1.11
Chrysene	ng/l	20.3 ± 2.06	18 ± 3.6	4.47	88.7	-0.51
Dibenzo[a,h]anthracene	ng/l	21.2 ± 2	<10 (LOQ) ± -	6.36	-	-
Fluoranthene	ng/l	23.1 ± 0.916	26.5 ± 5.3	4.16	115	0.81
Fluorene	ng/l	25.6 ± 1.41	29.5 ± 5.9	3.58	115	1.10
Indeno[1,2,3-cd]pyrene	ng/l	21.4 ± 2.54	10.5 ± 2.1	5.35	49.1	-2.04
Naphthalene	ng/l	28.3 ± 3.28	34.5 ± 6.9	5.94	122	1.04
Phenanthrene	ng/l	25.3 ± 1.31	26 ± 5.2	3.8	103	0.18
Pyrene	ng/l	20.8 ± 1.04	18 ± 3.6	3.33	86.5	-0.85

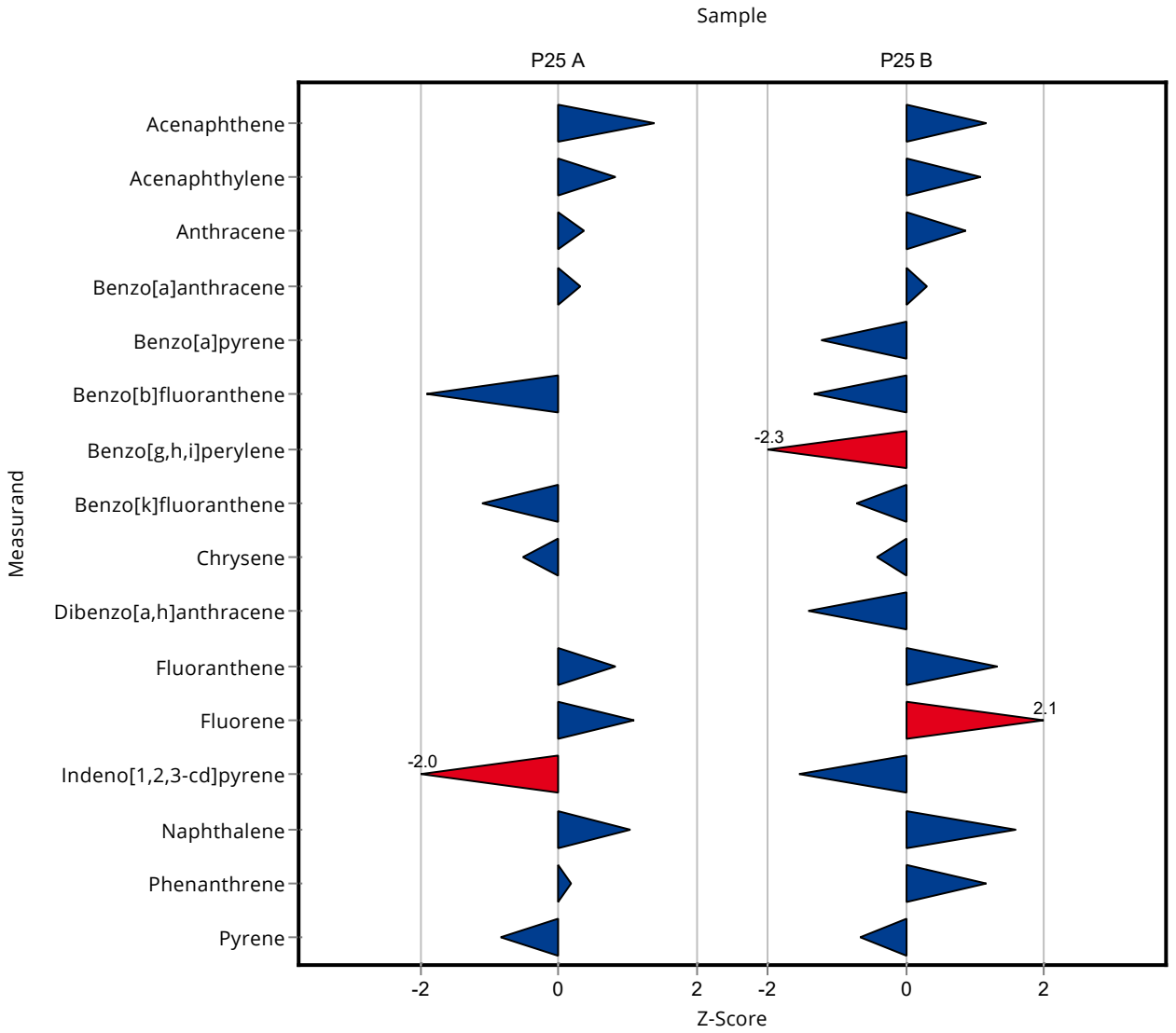
Sample: P25B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Acenaphthene	ng/l	129 ± 7.05	157 ± 31	24.5	122	1.15
Acenaphthylene	ng/l	167 ± 15.5	210 ± 42	40.1	126	1.07
Anthracene	ng/l	139 ± 7.99	170 ± 34	36.2	122	0.85
Benzo[a]anthracene	ng/l	155 ± 13.7	165 ± 33	32.5	107	0.31
Benzo[a]pyrene	ng/l	128 ± 12.2	90.5 ± 18	30.8	70.6	-1.22
Benzo[b]fluoranthene	ng/l	175 ± 16.2	136 ± 27	29.8	77.6	-1.32
Benzo[g,h,i]perylene	ng/l	133 ± 16.8	58 ± 12	33.3	43.5	-2.26
Benzo[k]fluoranthene	ng/l	127 ± 9.09	104 ± 21	33.1	81.7	-0.70
Chrysene	ng/l	129 ± 10.3	117 ± 23	28.3	90.8	-0.42
Dibenzo[a,h]anthracene	ng/l	106 ± 18.7	48.5 ± 9.7	41.4	45.7	-1.39
Fluoranthene	ng/l	153 ± 7.28	190 ± 38	27.6	124	1.33

Summary of results Polycyclic Aromatic Hydrocarbons P25

Labcode: LC0019

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Fluorene	ng/l	157 ± 11.3	202 ± 40	21.9	129	2.06
Indeno[1,2,3-cd]pyrene	ng/l	140 ± 15.1	86 ± 17	35	61.4	-1.54
Naphthalene	ng/l	171 ± 15.1	228 ± 16	36	133	1.58
Phenanthrene	ng/l	149 ± 10.4	175 ± 35	22.3	118	1.17
Pyrene	ng/l	147 ± 6.62	132 ± 26	23.6	89.5	-0.65



Summary of results Polycyclic Aromatic Hydrocarbons P25 - En - Score

Labcode: LC0019

Sample: P25A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Acenaphthene	ng/l	21 ± 1.63	26.5 ± 5.3	3.99	126	0.51
Acenaphthylene	ng/l	19.3 ± 1.45	23 ± 4.6	4.63	119	0.40
Anthracene	ng/l	22.3 ± 0.802	24.5 ± 4.9	5.81	110	0.22
Benzo[a]anthracene	ng/l	22.1 ± 2.18	23.5 ± 4.7	4.64	106	0.15
Benzo[a]pyrene	ng/l	15.6 ± 3.07	<10 (LOQ) ± -	5.3	-	-
Benzo[b]fluoranthene	ng/l	22.1 ± 2.26	15 ± 3	3.76	67.7	-1.11
Benzo[g,h,i]perylene	ng/l	19.8 ± 2.33	<10 (LOQ) ± -	4.94	-	-
Benzo[k]fluoranthene	ng/l	19.7 ± 1.64	14 ± 2.8	5.11	71.2	-0.97
Chrysene	ng/l	20.3 ± 2.06	18 ± 3.6	4.47	88.7	-0.31
Dibenzo[a,h]anthracene	ng/l	21.2 ± 2	<10 (LOQ) ± -	6.36	-	-
Fluoranthene	ng/l	23.1 ± 0.916	26.5 ± 5.3	4.16	115	0.32
Fluorene	ng/l	25.6 ± 1.41	29.5 ± 5.9	3.58	115	0.33
Indeno[1,2,3-cd]pyrene	ng/l	21.4 ± 2.54	10.5 ± 2.1	5.35	49.1	-2.22
Naphthalene	ng/l	28.3 ± 3.28	34.5 ± 6.9	5.94	122	0.44
Phenanthrene	ng/l	25.3 ± 1.31	26 ± 5.2	3.8	103	0.07
Pyrene	ng/l	20.8 ± 1.04	18 ± 3.6	3.33	86.5	-0.39

Sample: P25B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Acenaphthene	ng/l	129 ± 7.05	157 ± 31	24.5	122	0.45
Acenaphthylene	ng/l	167 ± 15.5	210 ± 42	40.1	126	0.50
Anthracene	ng/l	139 ± 7.99	170 ± 34	36.2	122	0.45
Benzo[a]anthracene	ng/l	155 ± 13.7	165 ± 33	32.5	107	0.15

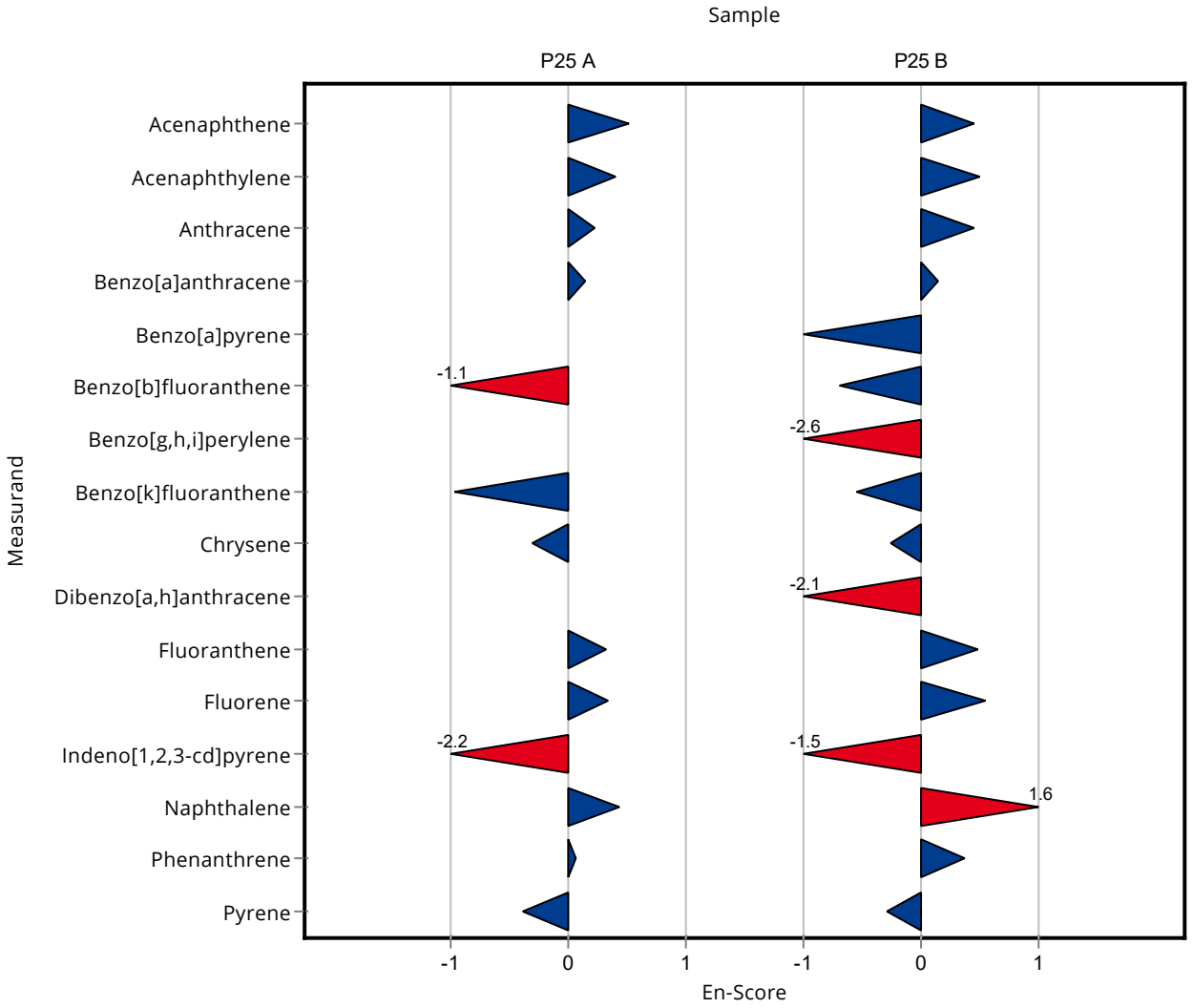
Summary of results Polycyclic Aromatic Hydrocarbons P25 - En - Score

Labcode: LC0019

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Benzo[a]pyrene	ng/l	128 ± 12.2	90.5 ± 18	30.8	70.6	-0.99
Benzo[b]fluoranthene	ng/l	175 ± 16.2	136 ± 27	29.8	77.6	-0.70
Benzo[g,h,i]perylene	ng/l	133 ± 16.8	58 ± 12	33.3	43.5	-2.57
Benzo[k]fluoranthene	ng/l	127 ± 9.09	104 ± 21	33.1	81.7	-0.54
Chrysene	ng/l	129 ± 10.3	117 ± 23	28.3	90.8	-0.25
Dibenzo[a,h]anthracene	ng/l	106 ± 18.7	48.5 ± 9.7	41.4	45.7	-2.14
Fluoranthene	ng/l	153 ± 7.28	190 ± 38	27.6	124	0.48
Fluorene	ng/l	157 ± 11.3	202 ± 40	21.9	129	0.56
Indeno[1,2,3-cd]pyrene	ng/l	140 ± 15.1	86 ± 17	35	61.4	-1.45
Naphthalene	ng/l	171 ± 15.1	228 ± 16	36	133	1.60
Phenanthrene	ng/l	149 ± 10.4	175 ± 35	22.3	118	0.37
Pyrene	ng/l	147 ± 6.62	132 ± 26	23.6	89.5	-0.29

Summary of results Polycyclic Aromatic Hydrocarbons P25 - En - Score

Labcode: LC0019



Summary of results Polycyclic Aromatic Hydrocarbons P25 Labcode: LC0020

Sample: P25A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Acenaphthene	ng/l	21 ± 1.63	14.54 ± 0.852	3.99	69.3	-1.62
Acenaphthylene	ng/l	19.3 ± 1.45	12.79 ± 1.707	4.63	66.4	-1.40
Anthracene	ng/l	22.3 ± 0.802	13.94 ± 1.524	5.81	62.4	-1.45
Benzo[a]anthracene	ng/l	22.1 ± 2.18	14.9 ± 1.26	4.64	67.5	-1.55
Benzo[a]pyrene	ng/l	15.6 ± 3.07	10.63 ± 1.001	5.3	68.2	-0.94
Benzo[b]fluoranthene	ng/l	22.1 ± 2.26	12.92 ± 2.168	3.76	58.4	-2.45
Benzo[g,h,i]perylene	ng/l	19.8 ± 2.33	10.15 ± 0.968	4.94	51.4	-1.95
Benzo[k]fluoranthene	ng/l	19.7 ± 1.64	11.82 ± 1.519	5.11	60.1	-1.54
Chrysene	ng/l	20.3 ± 2.06	11.82 ± 1.055	4.47	58.2	-1.90
Dibenzo[a,h]anthracene	ng/l	21.2 ± 2	10.39 ± 1.026	6.36	49	-1.70
Fluoranthene	ng/l	23.1 ± 0.916	11.78 ± 1.303	4.16	50.9	-2.73
Fluorene	ng/l	25.6 ± 1.41	17.45 ± 1.375	3.58	68.2	-2.27
Indeno[1,2,3-cd]pyrene	ng/l	21.4 ± 2.54	11.54 ± 0.979	5.35	53.9	-1.84
Naphthalene	ng/l	28.3 ± 3.28	16.75 ± 0.99	5.94	59.2	-1.94
Phenanthrene	ng/l	25.3 ± 1.31	13.24 ± 1.042	3.8	52.3	-3.18
Pyrene	ng/l	20.8 ± 1.04	11.58 ± 1.104	3.33	55.6	-2.77

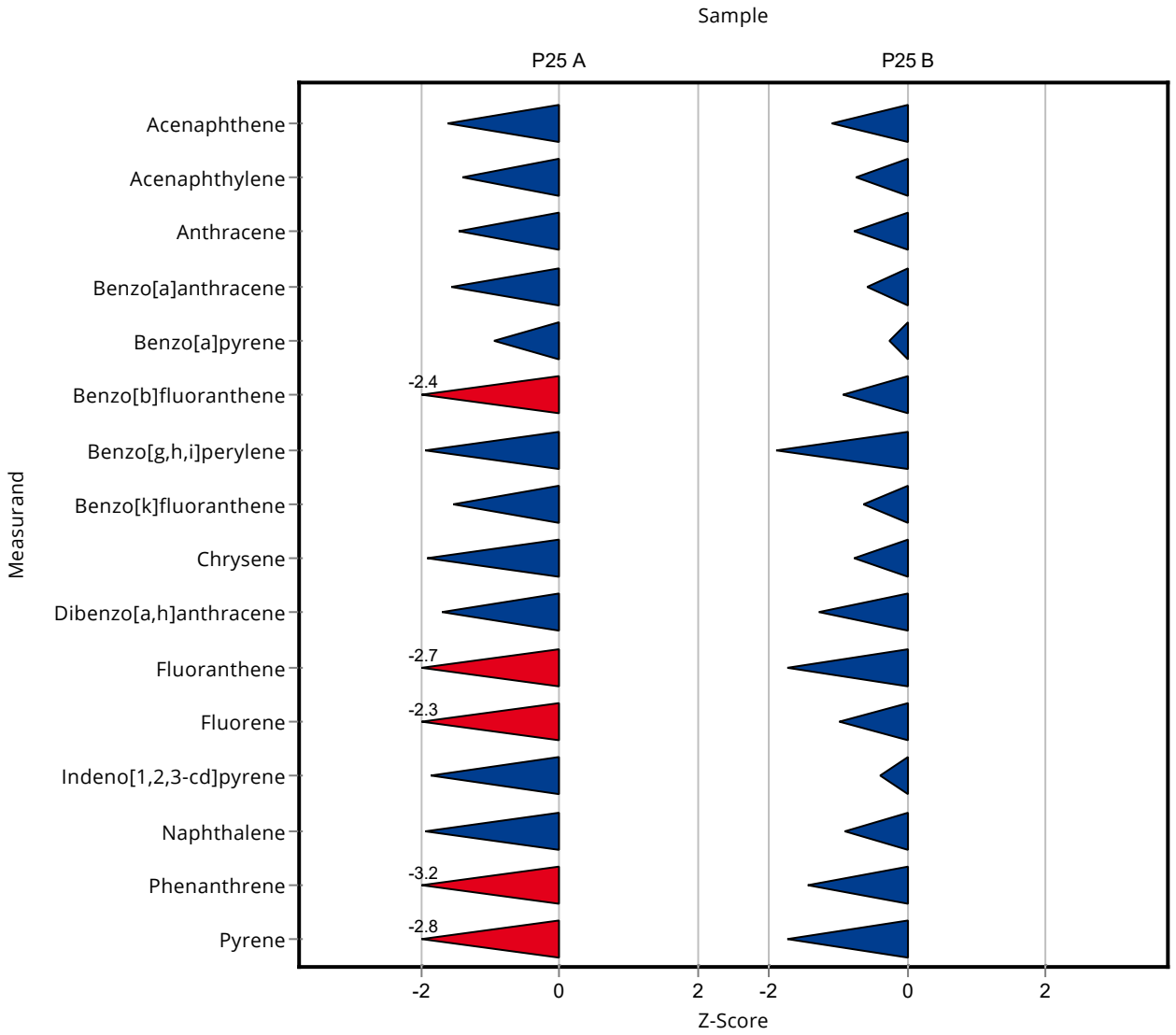
Sample: P25B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Acenaphthene	ng/l	129 ± 7.05	102.6 ± 6.013	24.5	79.6	-1.07
Acenaphthylene	ng/l	167 ± 15.5	137.2 ± 18.316	40.1	82.1	-0.75
Anthracene	ng/l	139 ± 7.99	111.7 ± 12.208	36.2	80.3	-0.76
Benzo[a]anthracene	ng/l	155 ± 13.7	135.8 ± 11.485	32.5	87.7	-0.59
Benzo[a]pyrene	ng/l	128 ± 12.2	120.3 ± 11.334	30.8	93.9	-0.26
Benzo[b]fluoranthene	ng/l	175 ± 16.2	148.1 ± 24.851	29.8	84.5	-0.91
Benzo[g,h,i]perylene	ng/l	133 ± 16.8	70.69 ± 6.743	33.3	53	-1.88
Benzo[k]fluoranthene	ng/l	127 ± 9.09	106.7 ± 13.715	33.1	83.9	-0.62
Chrysene	ng/l	129 ± 10.3	107.2 ± 9.572	28.3	83.2	-0.76
Dibenzo[a,h]anthracene	ng/l	106 ± 18.7	53.43 ± 5.279	41.4	50.3	-1.27
Fluoranthene	ng/l	153 ± 7.28	105.5 ± 11.668	27.6	68.8	-1.73

Summary of results Polycyclic Aromatic Hydrocarbons P25

Labcode: LC0020

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Fluorene	ng/l	157 ± 11.3	135.3 ± 10.659	21.9	86.3	-0.98
Indeno[1,2,3-cd]pyrene	ng/l	140 ± 15.1	126 ± 10.701	35	89.9	-0.40
Naphthalene	ng/l	171 ± 15.1	138.9 ± 8.212	36	81.1	-0.90
Phenanthrene	ng/l	149 ± 10.4	116.8 ± 9.192	22.3	78.5	-1.44
Pyrene	ng/l	147 ± 6.62	106.9 ± 10.195	23.6	72.5	-1.72



Summary of results Polycyclic Aromatic Hydrocarbons P25 - En - Score

Labcode: LC0020

Sample: P25A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Acenaphthene	ng/l	21 ± 1.63	14.54 ± 0.852	3.99	69.3	-2.73
Acenaphthylene	ng/l	19.3 ± 1.45	12.79 ± 1.707	4.63	66.4	-1.75
Anthracene	ng/l	22.3 ± 0.802	13.94 ± 1.524	5.81	62.4	-2.67
Benzo[a]anthracene	ng/l	22.1 ± 2.18	14.9 ± 1.26	4.64	67.5	-2.16
Benzo[a]pyrene	ng/l	15.6 ± 3.07	10.63 ± 1.001	5.3	68.2	-1.35
Benzo[b]fluoranthene	ng/l	22.1 ± 2.26	12.92 ± 2.168	3.76	58.4	-1.89
Benzo[g,h,i]perylene	ng/l	19.8 ± 2.33	10.15 ± 0.968	4.94	51.4	-3.17
Benzo[k]fluoranthene	ng/l	19.7 ± 1.64	11.82 ± 1.519	5.11	60.1	-2.28
Chrysene	ng/l	20.3 ± 2.06	11.82 ± 1.055	4.47	58.2	-2.88
Dibenzo[a,h]anthracene	ng/l	21.2 ± 2	10.39 ± 1.026	6.36	49	-3.78
Fluoranthene	ng/l	23.1 ± 0.916	11.78 ± 1.303	4.16	50.9	-4.11
Fluorene	ng/l	25.6 ± 1.41	17.45 ± 1.375	3.58	68.2	-2.63
Indeno[1,2,3-cd]pyrene	ng/l	21.4 ± 2.54	11.54 ± 0.979	5.35	53.9	-3.08
Naphthalene	ng/l	28.3 ± 3.28	16.75 ± 0.99	5.94	59.2	-3.01
Phenanthrene	ng/l	25.3 ± 1.31	13.24 ± 1.042	3.8	52.3	-4.91
Pyrene	ng/l	20.8 ± 1.04	11.58 ± 1.104	3.33	55.6	-3.79

Sample: P25B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Acenaphthene	ng/l	129 ± 7.05	102.6 ± 6.013	24.5	79.6	-1.89
Acenaphthylene	ng/l	167 ± 15.5	137.2 ± 18.316	40.1	82.1	-0.75
Anthracene	ng/l	139 ± 7.99	111.7 ± 12.208	36.2	80.3	-1.07
Benzo[a]anthracene	ng/l	155 ± 13.7	135.8 ± 11.485	32.5	87.7	-0.71

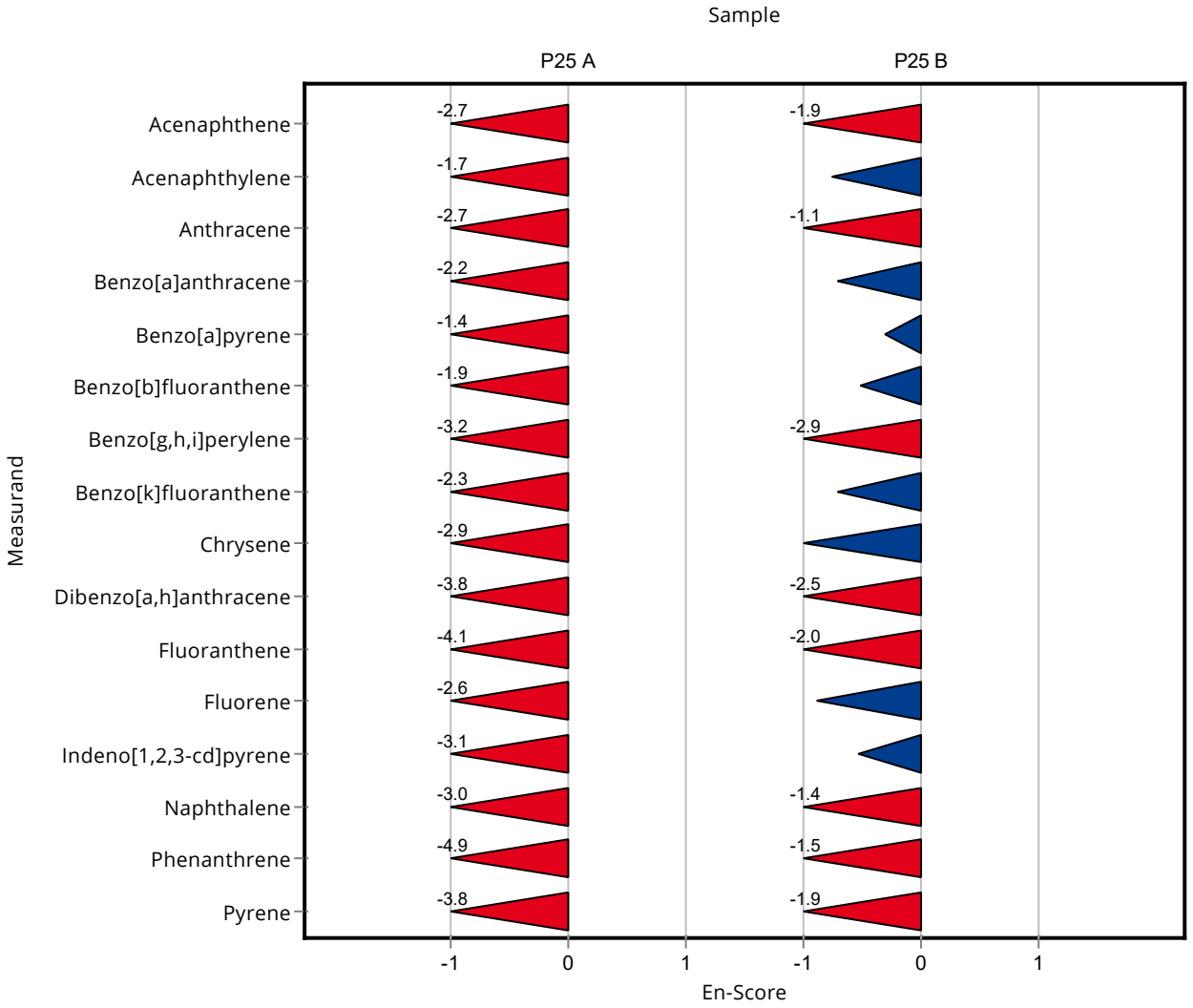
Summary of results Polycyclic Aromatic Hydrocarbons P25 - En - Score

Labcode: LC0020

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Benzo[a]pyrene	ng/l	128 ± 12.2	120.3 ± 11.334	30.8	93.9	-0.31
Benzo[b]fluoranthene	ng/l	175 ± 16.2	148.1 ± 24.851	29.8	84.5	-0.52
Benzo[g,h,i]perylene	ng/l	133 ± 16.8	70.69 ± 6.743	33.3	53	-2.91
Benzo[k]fluoranthene	ng/l	127 ± 9.09	106.7 ± 13.715	33.1	83.9	-0.71
Chrysene	ng/l	129 ± 10.3	107.2 ± 9.572	28.3	83.2	-1.00
Dibenzo[a,h]anthracene	ng/l	106 ± 18.7	53.43 ± 5.279	41.4	50.3	-2.46
Fluoranthene	ng/l	153 ± 7.28	105.5 ± 11.668	27.6	68.8	-1.96
Fluorene	ng/l	157 ± 11.3	135.3 ± 10.659	21.9	86.3	-0.89
Indeno[1,2,3-cd]pyrene	ng/l	140 ± 15.1	126 ± 10.701	35	89.9	-0.54
Naphthalene	ng/l	171 ± 15.1	138.9 ± 8.212	36	81.1	-1.45
Phenanthrene	ng/l	149 ± 10.4	116.8 ± 9.192	22.3	78.5	-1.52
Pyrene	ng/l	147 ± 6.62	106.9 ± 10.195	23.6	72.5	-1.89

Summary of results Polycyclic Aromatic Hydrocarbons P25 - En - Score

Labcode: LC0020



Summary of results Polycyclic Aromatic Hydrocarbons P25 Labcode: LC0021

Sample: P25A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Acenaphthene	ng/l	21 ± 1.63	23 ± 5	3.99	110	0.51
Acenaphthylene	ng/l	19.3 ± 1.45	20 ± 5	4.63	104	0.16
Anthracene	ng/l	22.3 ± 0.802	21 ± 5	5.81	94	-0.23
Benzo[a]anthracene	ng/l	22.1 ± 2.18	21 ± 5	4.64	95.1	-0.23
Benzo[a]pyrene	ng/l	15.6 ± 3.07	15 ± 4	5.3	96.2	-0.11
Benzo[b]fluoranthene	ng/l	22.1 ± 2.26	20 ± 5	3.76	90.3	-0.57
Benzo[g,h,i]perylene	ng/l	19.8 ± 2.33	15 ± 4	4.94	75.9	-0.96
Benzo[k]fluoranthene	ng/l	19.7 ± 1.64	17 ± 4	5.11	86.4	-0.52
Chrysene	ng/l	20.3 ± 2.06	16 ± 4	4.47	78.8	-0.96
Dibenzo[a,h]anthracene	ng/l	21.2 ± 2	11 ± 3	6.36	51.8	-1.61
Fluoranthene	ng/l	23.1 ± 0.916	20 ± 5	4.16	86.4	-0.75
Fluorene	ng/l	25.6 ± 1.41	27 ± 6	3.58	106	0.40
Indeno[1,2,3-cd]pyrene	ng/l	21.4 ± 2.54	15 ± 4	5.35	70.1	-1.20
Naphthalene	ng/l	28.3 ± 3.28	29 ± 7	5.94	102	0.12
Phenanthrene	ng/l	25.3 ± 1.31	22 ± 5	3.8	86.9	-0.87
Pyrene	ng/l	20.8 ± 1.04	16 ± 4	3.33	76.9	-1.45

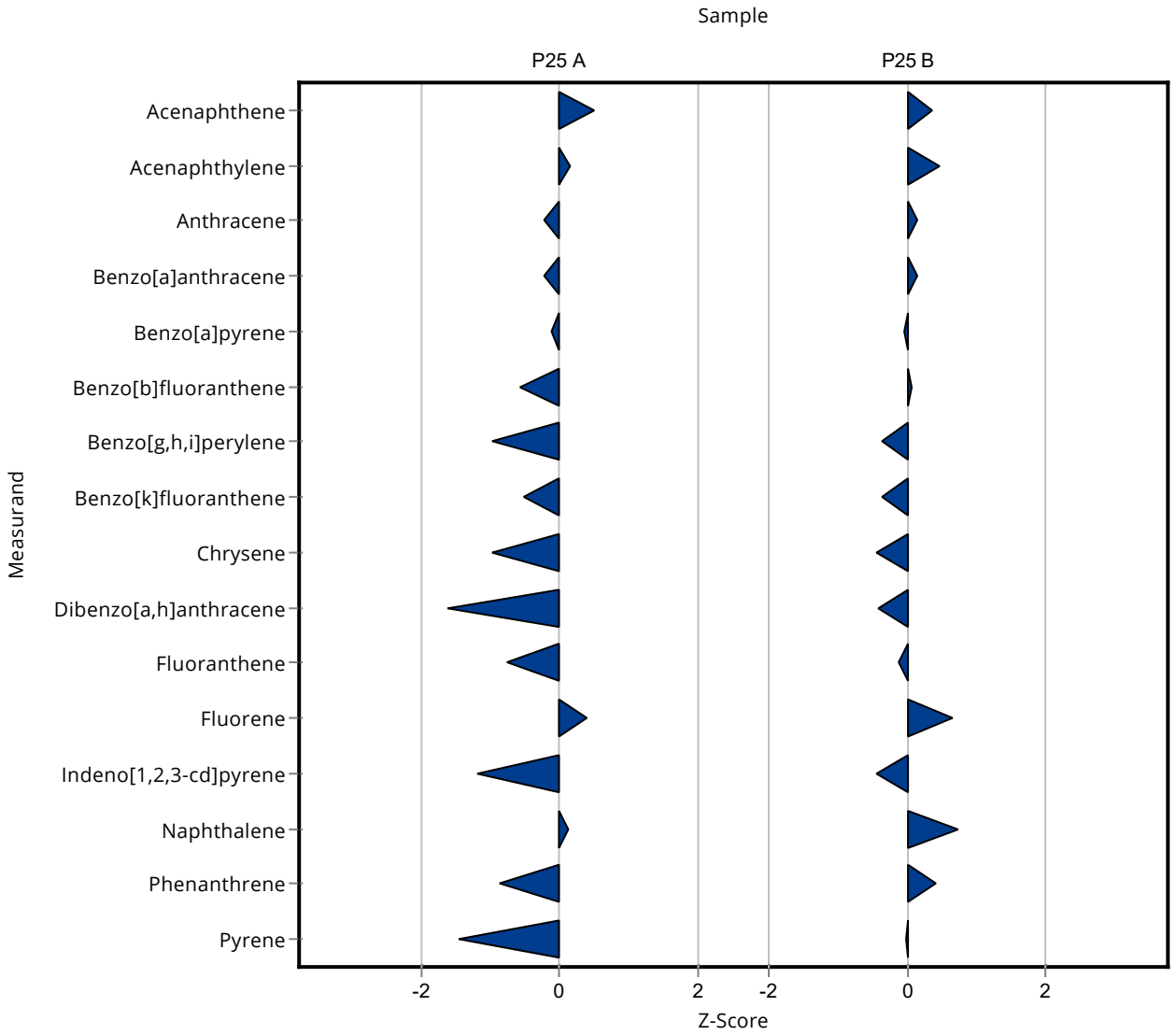
Sample: P25B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Acenaphthene	ng/l	129 ± 7.05	138 ± 33	24.5	107	0.37
Acenaphthylene	ng/l	167 ± 15.5	186 ± 45	40.1	111	0.47
Anthracene	ng/l	139 ± 7.99	144 ± 35	36.2	103	0.13
Benzo[a]anthracene	ng/l	155 ± 13.7	160 ± 38	32.5	103	0.16
Benzo[a]pyrene	ng/l	128 ± 12.2	127 ± 30	30.8	99.1	-0.04
Benzo[b]fluoranthene	ng/l	175 ± 16.2	177 ± 42	29.8	101	0.06
Benzo[g,h,i]perylene	ng/l	133 ± 16.8	121 ± 29	33.3	90.7	-0.37
Benzo[k]fluoranthene	ng/l	127 ± 9.09	115 ± 27	33.1	90.4	-0.37
Chrysene	ng/l	129 ± 10.3	116 ± 28	28.3	90	-0.45
Dibenzo[a,h]anthracene	ng/l	106 ± 18.7	89 ± 21	41.4	83.8	-0.41
Fluoranthene	ng/l	153 ± 7.28	150 ± 36	27.6	97.8	-0.12

Summary of results Polycyclic Aromatic Hydrocarbons P25

Labcode: LC0021

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Fluorene	ng/l	157 ± 11.3	171 ± 41	21.9	109	0.65
Indeno[1,2,3-cd]pyrene	ng/l	140 ± 15.1	125 ± 30	35	89.2	-0.43
Naphthalene	ng/l	171 ± 15.1	198 ± 47	36	116	0.74
Phenanthrene	ng/l	149 ± 10.4	158 ± 38	22.3	106	0.41
Pyrene	ng/l	147 ± 6.62	147 ± 35	23.6	99.7	-0.02



Summary of results Polycyclic Aromatic Hydrocarbons P25 - En - Score

Labcode: LC0021

Sample: P25A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Acenaphthene	ng/l	21 ± 1.63	23 ± 5	3.99	110	0.20
Acenaphthylene	ng/l	19.3 ± 1.45	20 ± 5	4.63	104	0.07
Anthracene	ng/l	22.3 ± 0.802	21 ± 5	5.81	94	-0.13
Benzo[a]anthracene	ng/l	22.1 ± 2.18	21 ± 5	4.64	95.1	-0.11
Benzo[a]pyrene	ng/l	15.6 ± 3.07	15 ± 4	5.3	96.2	-0.07
Benzo[b]fluoranthene	ng/l	22.1 ± 2.26	20 ± 5	3.76	90.3	-0.21
Benzo[g,h,i]perylene	ng/l	19.8 ± 2.33	15 ± 4	4.94	75.9	-0.57
Benzo[k]fluoranthene	ng/l	19.7 ± 1.64	17 ± 4	5.11	86.4	-0.33
Chrysene	ng/l	20.3 ± 2.06	16 ± 4	4.47	78.8	-0.52
Dibenzo[a,h]anthracene	ng/l	21.2 ± 2	11 ± 3	6.36	51.8	-1.62
Fluoranthene	ng/l	23.1 ± 0.916	20 ± 5	4.16	86.4	-0.31
Fluorene	ng/l	25.6 ± 1.41	27 ± 6	3.58	106	0.12
Indeno[1,2,3-cd]pyrene	ng/l	21.4 ± 2.54	15 ± 4	5.35	70.1	-0.76
Naphthalene	ng/l	28.3 ± 3.28	29 ± 7	5.94	102	0.05
Phenanthrene	ng/l	25.3 ± 1.31	22 ± 5	3.8	86.9	-0.33
Pyrene	ng/l	20.8 ± 1.04	16 ± 4	3.33	76.9	-0.60

Sample: P25B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Acenaphthene	ng/l	129 ± 7.05	138 ± 33	24.5	107	0.14
Acenaphthylene	ng/l	167 ± 15.5	186 ± 45	40.1	111	0.21
Anthracene	ng/l	139 ± 7.99	144 ± 35	36.2	103	0.07
Benzo[a]anthracene	ng/l	155 ± 13.7	160 ± 38	32.5	103	0.07

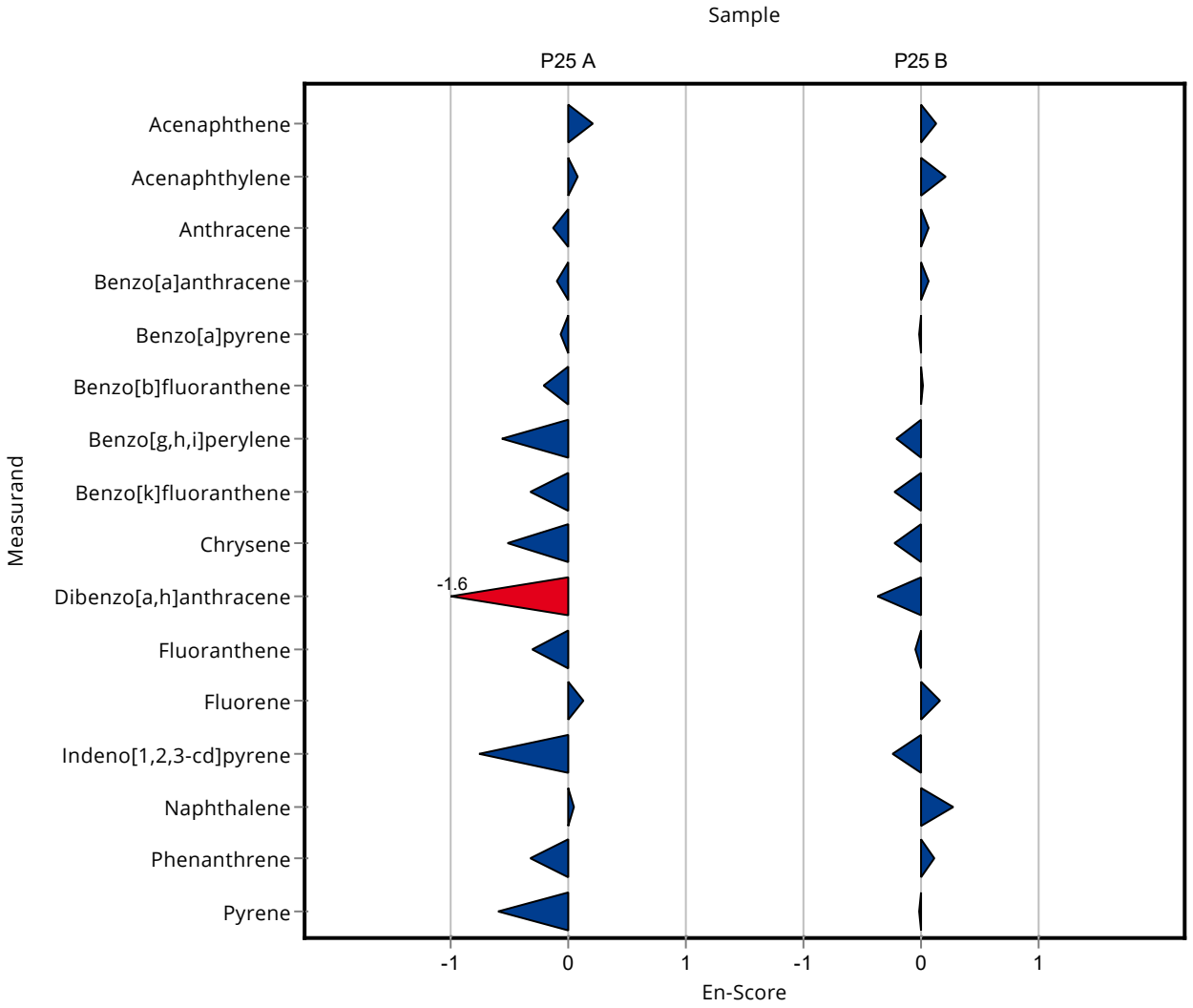
Summary of results Polycyclic Aromatic Hydrocarbons P25 - En - Score

Labcode: LC0021

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Benzo[a]pyrene	ng/l	128 ± 12.2	127 ± 30	30.8	99.1	-0.02
Benzo[b]fluoranthene	ng/l	175 ± 16.2	177 ± 42	29.8	101	0.02
Benzo[g,h,i]perylene	ng/l	133 ± 16.8	121 ± 29	33.3	90.7	-0.20
Benzo[k]fluoranthene	ng/l	127 ± 9.09	115 ± 27	33.1	90.4	-0.22
Chrysene	ng/l	129 ± 10.3	116 ± 28	28.3	90	-0.23
Dibenzo[a,h]anthracene	ng/l	106 ± 18.7	89 ± 21	41.4	83.8	-0.37
Fluoranthene	ng/l	153 ± 7.28	150 ± 36	27.6	97.8	-0.05
Fluorene	ng/l	157 ± 11.3	171 ± 41	21.9	109	0.17
Indeno[1,2,3-cd]pyrene	ng/l	140 ± 15.1	125 ± 30	35	89.2	-0.24
Naphthalene	ng/l	171 ± 15.1	198 ± 47	36	116	0.28
Phenanthrene	ng/l	149 ± 10.4	158 ± 38	22.3	106	0.12
Pyrene	ng/l	147 ± 6.62	147 ± 35	23.6	99.7	-0.01

Summary of results Polycyclic Aromatic Hydrocarbons P25 - En - Score

Labcode: LC0021



Summary of results Polycyclic Aromatic Hydrocarbons P25 Labcode: LC0022

Sample: P25A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Acenaphthene	ng/l	21 ± 1.63	19.99 ± 0.35	3.99	95.3	-0.25
Acenaphthylene	ng/l	19.3 ± 1.45	19.69 ± 0.26	4.63	102	0.09
Anthracene	ng/l	22.3 ± 0.802	21.06 ± 1.29	5.81	94.2	-0.22
Benzo[a]anthracene	ng/l	22.1 ± 2.18	23.5 ± 0.9	4.64	106	0.31
Benzo[a]pyrene	ng/l	15.6 ± 3.07	<20 (LOQ) ± -	5.3	-	-
Benzo[b]fluoranthene	ng/l	22.1 ± 2.26	<20 (LOQ) ± -	3.76	-	-
Benzo[g,h,i]perylene	ng/l	19.8 ± 2.33	21.46 ± 0.78	4.94	109	0.34
Benzo[k]fluoranthene	ng/l	19.7 ± 1.64	<20 (LOQ) ± -	5.11	-	-
Chrysene	ng/l	20.3 ± 2.06	<30 (LOQ) ± -	4.47	-	-
Dibenzo[a,h]anthracene	ng/l	21.2 ± 2	22.46 ± 0.42	6.36	106	0.20
Fluoranthene	ng/l	23.1 ± 0.916	24.21 ± 0.7	4.16	105	0.26
Fluorene	ng/l	25.6 ± 1.41	24.81 ± 0.71	3.58	97	-0.21
Indeno[1,2,3-cd]pyrene	ng/l	21.4 ± 2.54	23.22 ± 1.15	5.35	109	0.34
Naphthalene	ng/l	28.3 ± 3.28	26.84 ± 1.32	5.94	94.9	-0.24
Phenanthrene	ng/l	25.3 ± 1.31	25.79 ± 0.41	3.8	102	0.13
Pyrene	ng/l	20.8 ± 1.04	21.55 ± 0.67	3.33	104	0.22

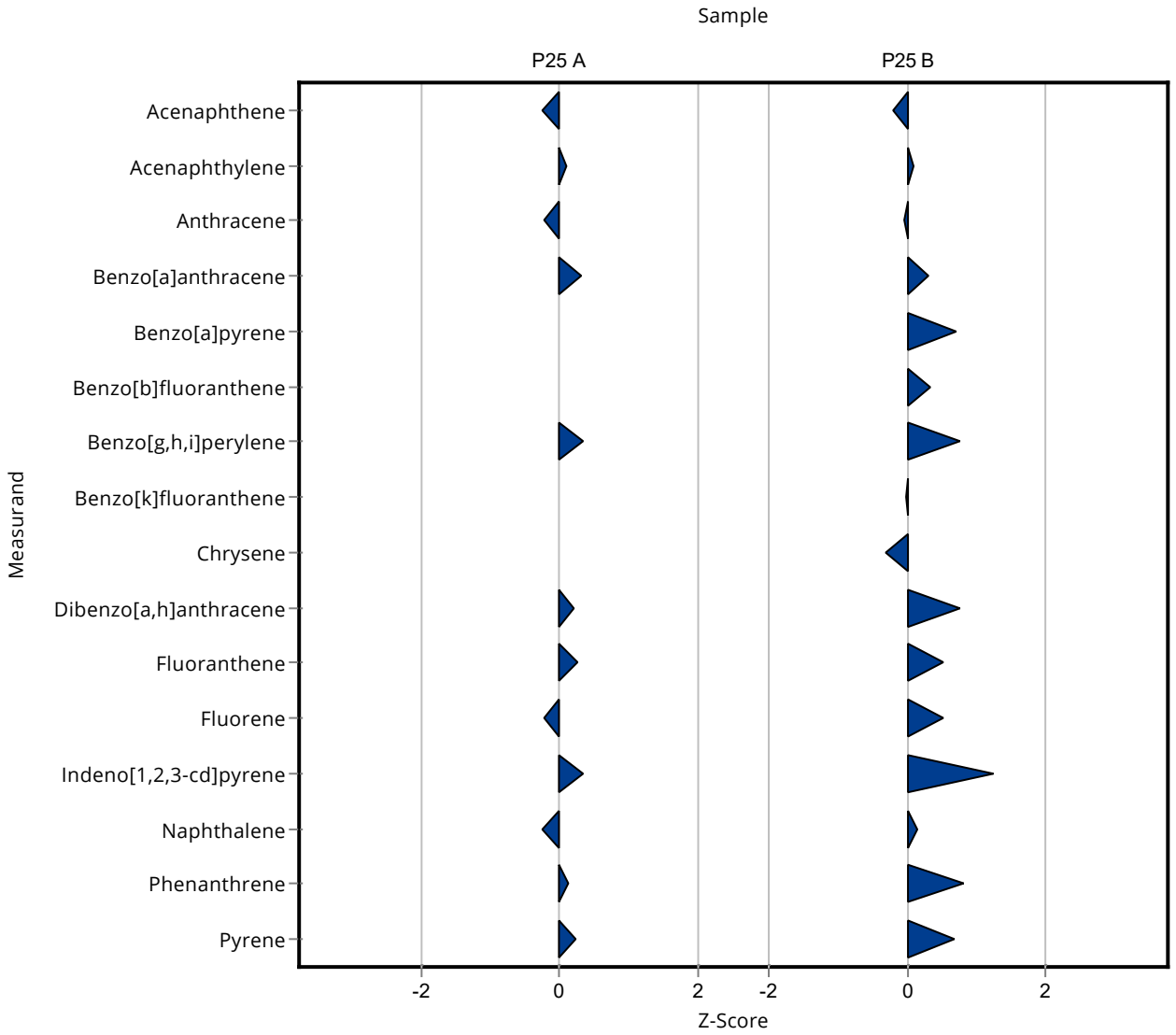
Sample: P25B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Acenaphthene	ng/l	129 ± 7.05	124.1 ± 2.24	24.5	96.3	-0.20
Acenaphthylene	ng/l	167 ± 15.5	170.5 ± 2.2	40.1	102	0.08
Anthracene	ng/l	139 ± 7.99	137.2 ± 6.67	36.2	98.6	-0.05
Benzo[a]anthracene	ng/l	155 ± 13.7	164.6 ± 7.47	32.5	106	0.30
Benzo[a]pyrene	ng/l	128 ± 12.2	149.6 ± 3.47	30.8	117	0.70
Benzo[b]fluoranthene	ng/l	175 ± 16.2	185 ± 1.44	29.8	106	0.33
Benzo[g,h,i]perylene	ng/l	133 ± 16.8	158.5 ± 3.64	33.3	119	0.75
Benzo[k]fluoranthene	ng/l	127 ± 9.09	126.8 ± 1.2	33.1	99.6	-0.01
Chrysene	ng/l	129 ± 10.3	120.3 ± 4.68	28.3	93.4	-0.30
Dibenzo[a,h]anthracene	ng/l	106 ± 18.7	137.8 ± 6.88	41.4	130	0.76
Fluoranthene	ng/l	153 ± 7.28	167.3 ± 3.51	27.6	109	0.51

Summary of results Polycyclic Aromatic Hydrocarbons P25

Labcode: LC0022

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Fluorene	ng/l	157 ± 11.3	167.9 ± 4.15	21.9	107	0.51
Indeno[1,2,3-cd]pyrene	ng/l	140 ± 15.1	183.7 ± 4.5	35	131	1.25
Naphthalene	ng/l	171 ± 15.1	176.8 ± 4.27	36	103	0.15
Phenanthrene	ng/l	149 ± 10.4	167 ± 7.95	22.3	112	0.81
Pyrene	ng/l	147 ± 6.62	163.7 ± 3.69	23.6	111	0.69



Sample: P25A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Acenaphthene	ng/l	21 ± 1.63	19.99 ± 0.35	3.99	95.3	-0.56
Acenaphthylene	ng/l	19.3 ± 1.45	19.69 ± 0.26	4.63	102	0.27
Anthracene	ng/l	22.3 ± 0.802	21.06 ± 1.29	5.81	94.2	-0.48
Benzo[a]anthracene	ng/l	22.1 ± 2.18	23.5 ± 0.9	4.64	106	0.50
Benzo[a]pyrene	ng/l	15.6 ± 3.07	<20 (LOQ) ± -	5.3	-	-
Benzo[b]fluoranthene	ng/l	22.1 ± 2.26	<20 (LOQ) ± -	3.76	-	-
Benzo[g,h,i]perylene	ng/l	19.8 ± 2.33	21.46 ± 0.78	4.94	109	0.61
Benzo[k]fluoranthene	ng/l	19.7 ± 1.64	<20 (LOQ) ± -	5.11	-	-
Chrysene	ng/l	20.3 ± 2.06	<30 (LOQ) ± -	4.47	-	-
Dibenzo[a,h]anthracene	ng/l	21.2 ± 2	22.46 ± 0.42	6.36	106	0.57
Fluoranthene	ng/l	23.1 ± 0.916	24.21 ± 0.7	4.16	105	0.64
Fluorene	ng/l	25.6 ± 1.41	24.81 ± 0.71	3.58	97	-0.38
Indeno[1,2,3-cd]pyrene	ng/l	21.4 ± 2.54	23.22 ± 1.15	5.35	109	0.53
Naphthalene	ng/l	28.3 ± 3.28	26.84 ± 1.32	5.94	94.9	-0.35
Phenanthrene	ng/l	25.3 ± 1.31	25.79 ± 0.41	3.8	102	0.31
Pyrene	ng/l	20.8 ± 1.04	21.55 ± 0.67	3.33	104	0.43

Sample: P25B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Acenaphthene	ng/l	129 ± 7.05	124.1 ± 2.24	24.5	96.3	-0.58
Acenaphthylene	ng/l	167 ± 15.5	170.5 ± 2.2	40.1	102	0.21
Anthracene	ng/l	139 ± 7.99	137.2 ± 6.67	36.2	98.6	-0.13
Benzo[a]anthracene	ng/l	155 ± 13.7	164.6 ± 7.47	32.5	106	0.48

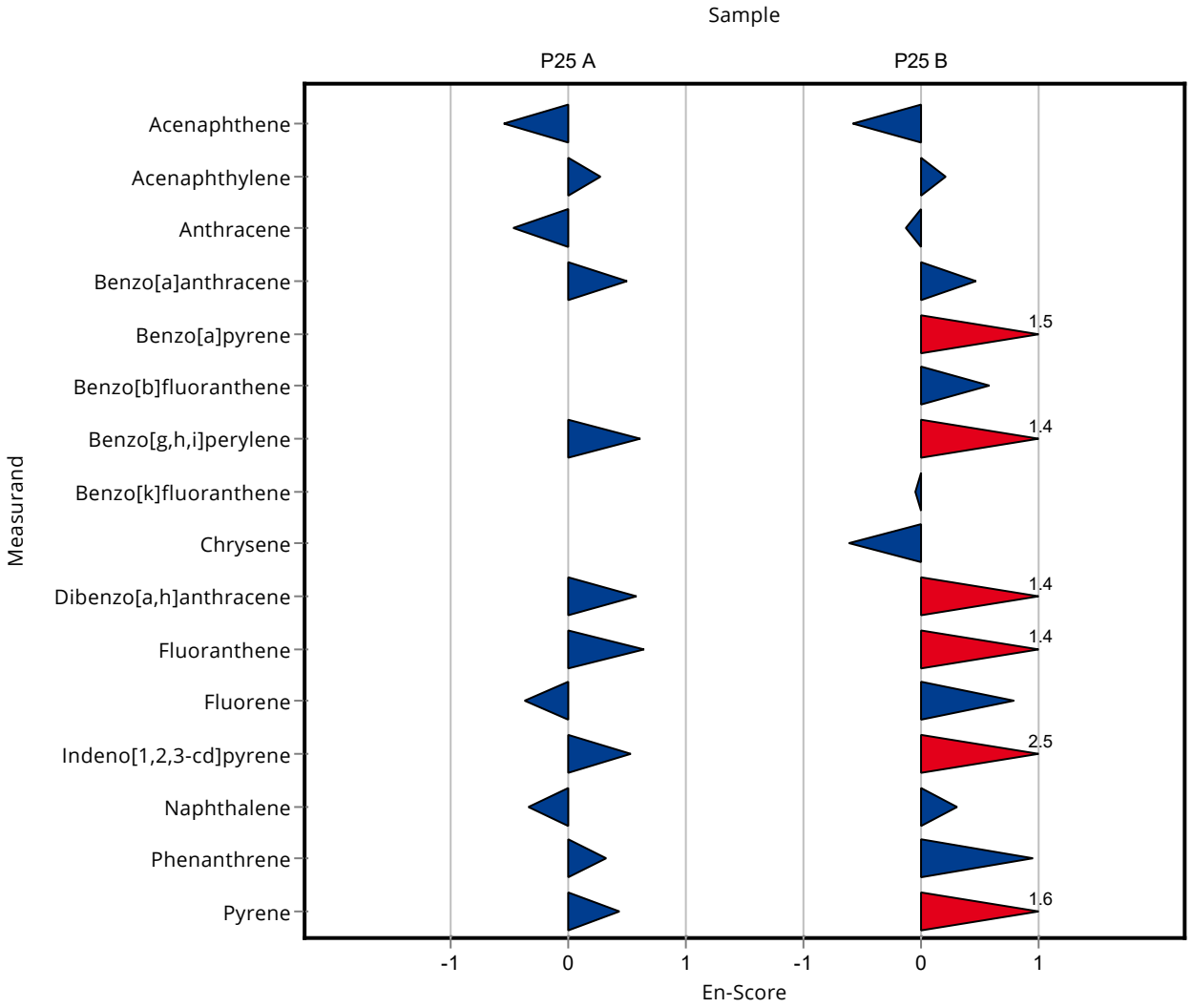
Summary of results Polycyclic Aromatic Hydrocarbons P25 - En - Score

Labcode: LC0022

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Benzo[a]pyrene	ng/l	128 ± 12.2	149.6 ± 3.47	30.8	117	1.53
Benzo[b]fluoranthene	ng/l	175 ± 16.2	185 ± 1.44	29.8	106	0.59
Benzo[g,h,i]perylene	ng/l	133 ± 16.8	158.5 ± 3.64	33.3	119	1.37
Benzo[k]fluoranthene	ng/l	127 ± 9.09	126.8 ± 1.2	33.1	99.6	-0.05
Chrysene	ng/l	129 ± 10.3	120.3 ± 4.68	28.3	93.4	-0.61
Dibenzo[a,h]anthracene	ng/l	106 ± 18.7	137.8 ± 6.88	41.4	130	1.36
Fluoranthene	ng/l	153 ± 7.28	167.3 ± 3.51	27.6	109	1.38
Fluorene	ng/l	157 ± 11.3	167.9 ± 4.15	21.9	107	0.80
Indeno[1,2,3-cd]pyrene	ng/l	140 ± 15.1	183.7 ± 4.5	35	131	2.48
Naphthalene	ng/l	171 ± 15.1	176.8 ± 4.27	36	103	0.32
Phenanthrene	ng/l	149 ± 10.4	167 ± 7.95	22.3	112	0.95
Pyrene	ng/l	147 ± 6.62	163.7 ± 3.69	23.6	111	1.64

Summary of results Polycyclic Aromatic Hydrocarbons P25 - En - Score

Labcode: LC0022



Summary of results Polycyclic Aromatic Hydrocarbons P25 Labcode: LC0023

Sample: P25A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Acenaphthene	ng/l	21 ± 1.63	21 ± 13	3.99	100	0.01
Acenaphthylene	ng/l	19.3 ± 1.45	17 ± 7	4.63	88.2	-0.49
Anthracene	ng/l	22.3 ± 0.802	- ± -	5.81	-	-
Benzo[a]anthracene	ng/l	22.1 ± 2.18	24 ± 13	4.64	109	0.41
Benzo[a]pyrene	ng/l	15.6 ± 3.07	- ± -	5.3	-	-
Benzo[b]fluoranthene	ng/l	22.1 ± 2.26	21 ± 8	3.76	94.8	-0.30
Benzo[g,h,i]perylene	ng/l	19.8 ± 2.33	20 ± 9	4.94	101	0.05
Benzo[k]fluoranthene	ng/l	19.7 ± 1.64	20 ± 8	5.11	102	0.06
Chrysene	ng/l	20.3 ± 2.06	19 ± 8	4.47	93.6	-0.29
Dibenzo[a,h]anthracene	ng/l	21.2 ± 2	21 ± 9	6.36	99	-0.03
Fluoranthene	ng/l	23.1 ± 0.916	25 ± 7	4.16	108	0.45
Fluorene	ng/l	25.6 ± 1.41	25 ± 11	3.58	97.8	-0.16
Indeno[1,2,3-cd]pyrene	ng/l	21.4 ± 2.54	24 ± 13	5.35	112	0.49
Naphthalene	ng/l	28.3 ± 3.28	48 ± 28	5.94	170	3.32
Phenanthrene	ng/l	25.3 ± 1.31	30 ± 14	3.8	119	1.24
Pyrene	ng/l	20.8 ± 1.04	22 ± 6	3.33	106	0.35

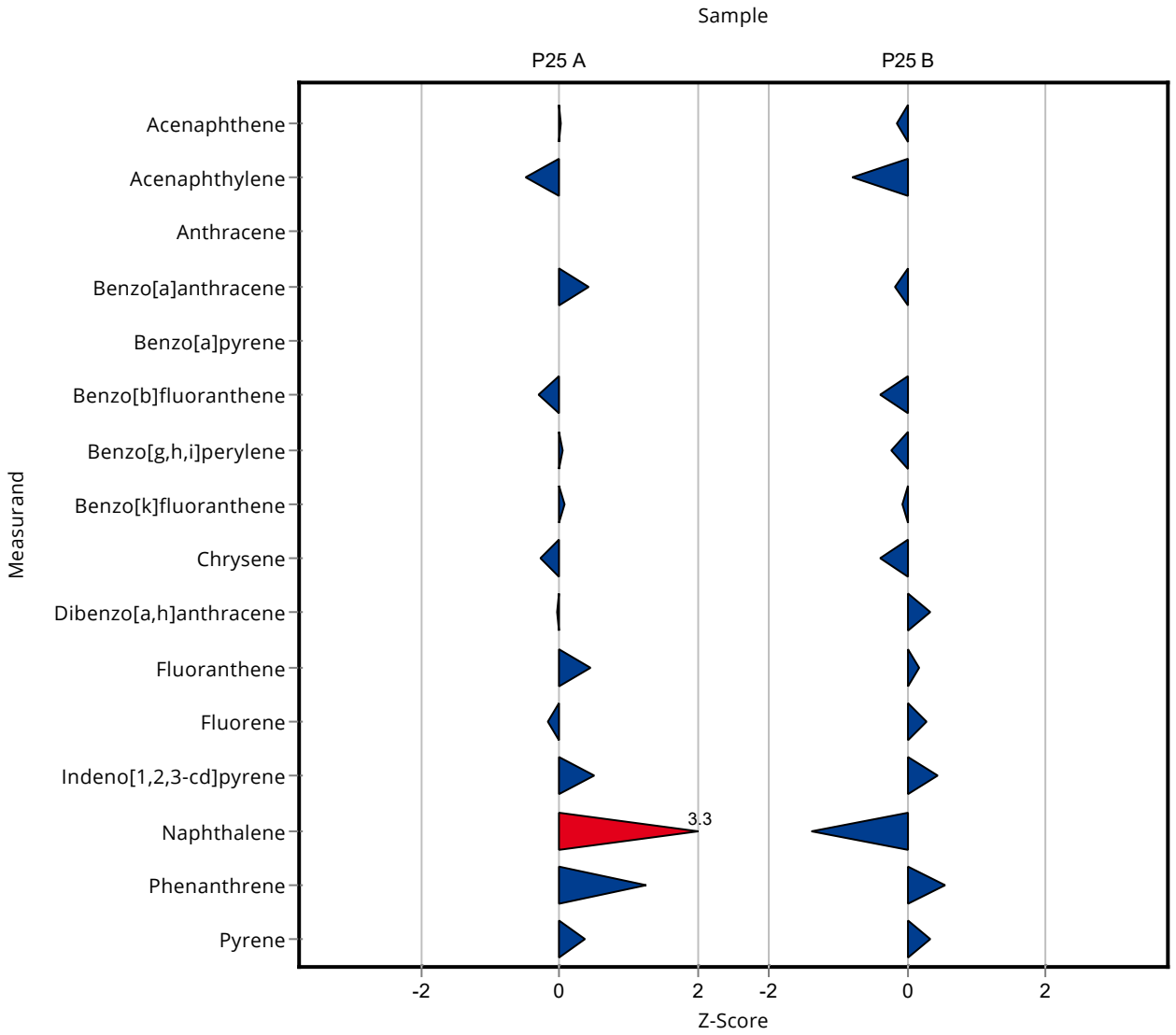
Sample: P25B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Acenaphthene	ng/l	129 ± 7.05	125 ± 77	24.5	97	-0.16
Acenaphthylene	ng/l	167 ± 15.5	135 ± 55	40.1	80.8	-0.80
Anthracene	ng/l	139 ± 7.99	- ± -	36.2	-	-
Benzo[a]anthracene	ng/l	155 ± 13.7	149 ± 81	32.5	96.2	-0.18
Benzo[a]pyrene	ng/l	128 ± 12.2	- ± -	30.8	-	-
Benzo[b]fluoranthene	ng/l	175 ± 16.2	164 ± 67	29.8	93.6	-0.38
Benzo[g,h,i]perylene	ng/l	133 ± 16.8	126 ± 60	33.3	94.5	-0.22
Benzo[k]fluoranthene	ng/l	127 ± 9.09	125 ± 48	33.1	98.2	-0.07
Chrysene	ng/l	129 ± 10.3	118 ± 52	28.3	91.6	-0.38
Dibenzo[a,h]anthracene	ng/l	106 ± 18.7	120 ± 49	41.4	113	0.33
Fluoranthene	ng/l	153 ± 7.28	158 ± 44	27.6	103	0.17

Summary of results Polycyclic Aromatic Hydrocarbons P25

Labcode: LC0023

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Fluorene	ng/l	157 ± 11.3	163 ± 73	21.9	104	0.29
Indeno[1,2,3-cd]pyrene	ng/l	140 ± 15.1	155 ± 83	35	111	0.43
Naphthalene	ng/l	171 ± 15.1	122 ± 71	36	71.2	-1.37
Phenanthrene	ng/l	149 ± 10.4	161 ± 74	22.3	108	0.54
Pyrene	ng/l	147 ± 6.62	155 ± 39	23.6	105	0.32



Summary of results Polycyclic Aromatic Hydrocarbons P25 - En - Score

Labcode: LC0023

Sample: P25A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Acenaphthene	ng/l	21 ± 1.63	21 ± 13	3.99	100	0.00
Acenaphthylene	ng/l	19.3 ± 1.45	17 ± 7	4.63	88.2	-0.16
Anthracene	ng/l	22.3 ± 0.802	- ± -	5.81	-	-
Benzo[a]anthracene	ng/l	22.1 ± 2.18	24 ± 13	4.64	109	0.07
Benzo[a]pyrene	ng/l	15.6 ± 3.07	- ± -	5.3	-	-
Benzo[b]fluoranthene	ng/l	22.1 ± 2.26	21 ± 8	3.76	94.8	-0.07
Benzo[g,h,i]perylene	ng/l	19.8 ± 2.33	20 ± 9	4.94	101	0.01
Benzo[k]fluoranthene	ng/l	19.7 ± 1.64	20 ± 8	5.11	102	0.02
Chrysene	ng/l	20.3 ± 2.06	19 ± 8	4.47	93.6	-0.08
Dibenzo[a,h]anthracene	ng/l	21.2 ± 2	21 ± 9	6.36	99	-0.01
Fluoranthene	ng/l	23.1 ± 0.916	25 ± 7	4.16	108	0.13
Fluorene	ng/l	25.6 ± 1.41	25 ± 11	3.58	97.8	-0.03
Indeno[1,2,3-cd]pyrene	ng/l	21.4 ± 2.54	24 ± 13	5.35	112	0.10
Naphthalene	ng/l	28.3 ± 3.28	48 ± 28	5.94	170	0.35
Phenanthrene	ng/l	25.3 ± 1.31	30 ± 14	3.8	119	0.17
Pyrene	ng/l	20.8 ± 1.04	22 ± 6	3.33	106	0.10

Sample: P25B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Acenaphthene	ng/l	129 ± 7.05	125 ± 77	24.5	97	-0.03
Acenaphthylene	ng/l	167 ± 15.5	135 ± 55	40.1	80.8	-0.29
Anthracene	ng/l	139 ± 7.99	- ± -	36.2	-	-
Benzo[a]anthracene	ng/l	155 ± 13.7	149 ± 81	32.5	96.2	-0.04

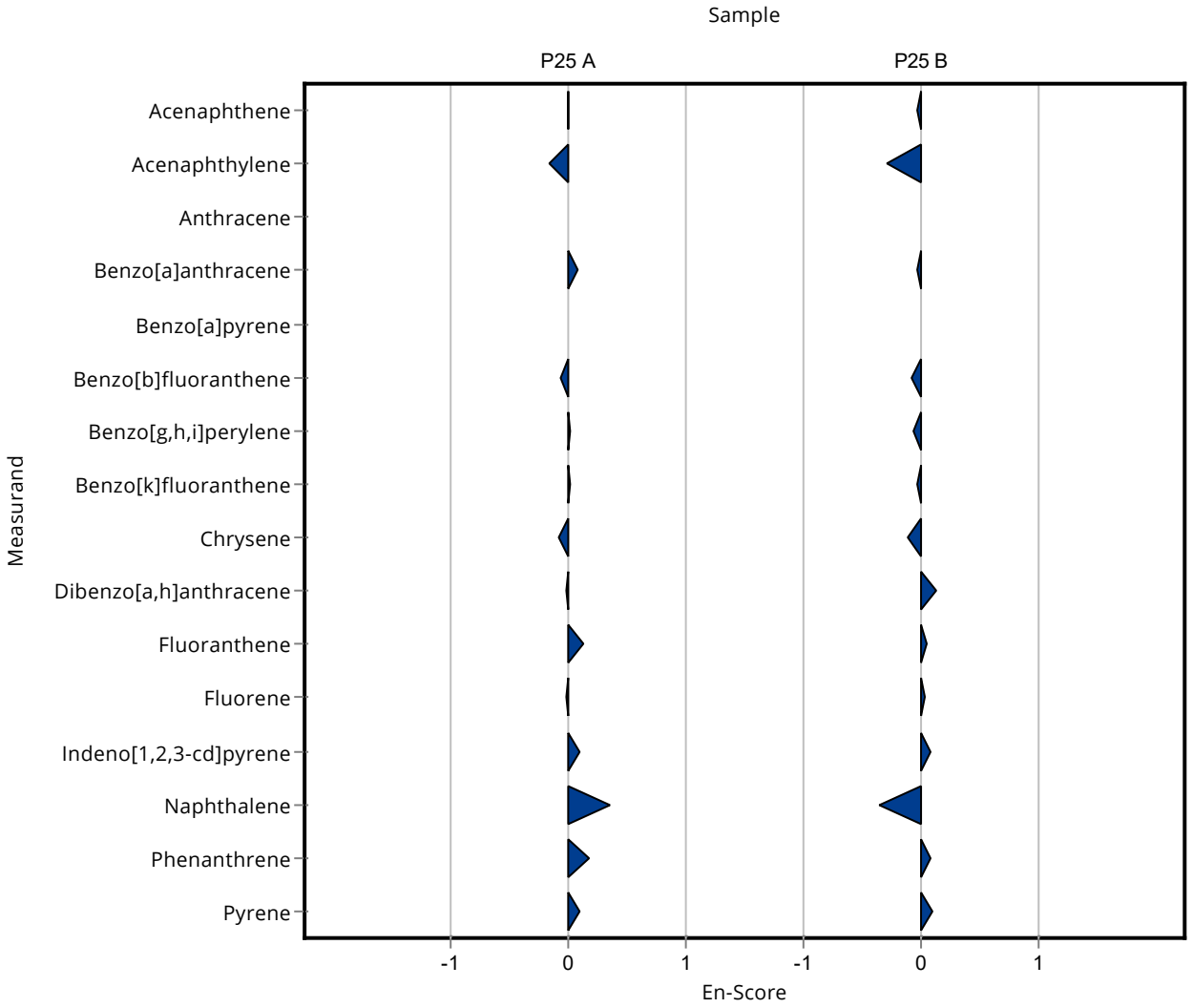
Summary of results Polycyclic Aromatic Hydrocarbons P25 - En - Score

Labcode: LC0023

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Benzo[a]pyrene	ng/l	128 ± 12.2	- ± -	30.8	-	-
Benzo[b]fluoranthene	ng/l	175 ± 16.2	164 ± 67	29.8	93.6	-0.08
Benzo[g,h,i]perylene	ng/l	133 ± 16.8	126 ± 60	33.3	94.5	-0.06
Benzo[k]fluoranthene	ng/l	127 ± 9.09	125 ± 48	33.1	98.2	-0.02
Chrysene	ng/l	129 ± 10.3	118 ± 52	28.3	91.6	-0.10
Dibenzo[a,h]anthracene	ng/l	106 ± 18.7	120 ± 49	41.4	113	0.14
Fluoranthene	ng/l	153 ± 7.28	158 ± 44	27.6	103	0.05
Fluorene	ng/l	157 ± 11.3	163 ± 73	21.9	104	0.04
Indeno[1,2,3-cd]pyrene	ng/l	140 ± 15.1	155 ± 83	35	111	0.09
Naphthalene	ng/l	171 ± 15.1	122 ± 71	36	71.2	-0.35
Phenanthrene	ng/l	149 ± 10.4	161 ± 74	22.3	108	0.08
Pyrene	ng/l	147 ± 6.62	155 ± 39	23.6	105	0.10

Summary of results Polycyclic Aromatic Hydrocarbons P25 - En - Score

Labcode: LC0023



Summary of results Polycyclic Aromatic Hydrocarbons P25 Labcode: LC0024

Sample: P25A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Acenaphthene	ng/l	21 ± 1.63	23.99 ± 2.52	3.99	114	0.76
Acenaphthylene	ng/l	19.3 ± 1.45	- ± -	4.63	-	-
Anthracene	ng/l	22.3 ± 0.802	24.28 ± 2.55	5.81	109	0.33
Benzo[a]anthracene	ng/l	22.1 ± 2.18	28.16 ± 2.96	4.64	128	1.31
Benzo[a]pyrene	ng/l	15.6 ± 3.07	20.37 ± 3.06	5.3	131	0.90
Benzo[b]fluoranthene	ng/l	22.1 ± 2.26	25.81 ± 2.58	3.76	117	0.97
Benzo[g,h,i]perylene	ng/l	19.8 ± 2.33	22.84 ± 5.37	4.94	116	0.62
Benzo[k]fluoranthene	ng/l	19.7 ± 1.64	22.27 ± 2.34	5.11	113	0.51
Chrysene	ng/l	20.3 ± 2.06	20.31 ± 3.25	4.47	100	0.00
Dibenzo[a,h]anthracene	ng/l	21.2 ± 2	24.05 ± 6.85	6.36	113	0.45
Fluoranthene	ng/l	23.1 ± 0.916	24.29 ± 2.67	4.16	105	0.28
Fluorene	ng/l	25.6 ± 1.41	27.01 ± 3.78	3.58	106	0.40
Indeno[1,2,3-cd]pyrene	ng/l	21.4 ± 2.54	24.71 ± 4.57	5.35	115	0.62
Naphthalene	ng/l	28.3 ± 3.28	23.44 ± 5.51	5.94	82.8	-0.82
Phenanthrene	ng/l	25.3 ± 1.31	47.03 ± 5.41	3.8	186	5.72
Pyrene	ng/l	20.8 ± 1.04	22.36 ± 3.02	3.33	107	0.46

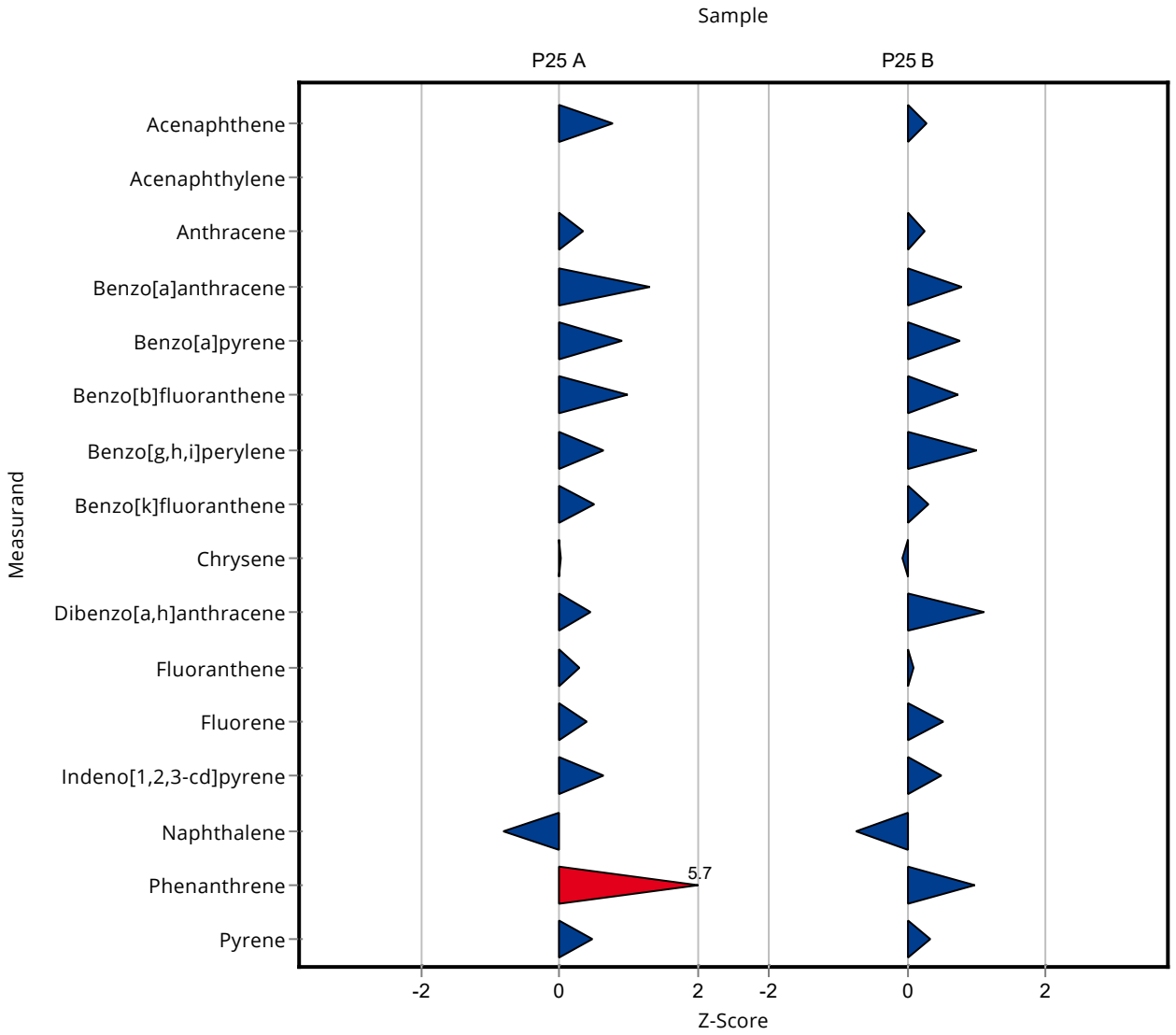
Sample: P25B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Acenaphthene	ng/l	129 ± 7.05	135.7 ± 14.2	24.5	105	0.28
Acenaphthylene	ng/l	167 ± 15.5	- ± -	40.1	-	-
Anthracene	ng/l	139 ± 7.99	148.3 ± 15.6	36.2	107	0.25
Benzo[a]anthracene	ng/l	155 ± 13.7	180 ± 18.9	32.5	116	0.77
Benzo[a]pyrene	ng/l	128 ± 12.2	151.8 ± 22.8	30.8	118	0.77
Benzo[b]fluoranthene	ng/l	175 ± 16.2	197.4 ± 19.7	29.8	113	0.74
Benzo[g,h,i]perylene	ng/l	133 ± 16.8	166.4 ± 39.1	33.3	125	0.99
Benzo[k]fluoranthene	ng/l	127 ± 9.09	137.5 ± 14.4	33.1	108	0.31
Chrysene	ng/l	129 ± 10.3	127.1 ± 20.3	28.3	98.6	-0.06
Dibenzo[a,h]anthracene	ng/l	106 ± 18.7	151.9 ± 43.3	41.4	143	1.10
Fluoranthene	ng/l	153 ± 7.28	156.1 ± 17.2	27.6	102	0.10

Summary of results Polycyclic Aromatic Hydrocarbons P25

Labcode: LC0024

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Fluorene	ng/l	157 ± 11.3	168.1 ± 23.5	21.9	107	0.52
Indeno[1,2,3-cd]pyrene	ng/l	140 ± 15.1	157 ± 29.1	35	112	0.48
Naphthalene	ng/l	171 ± 15.1	144.4 ± 33.9	36	84.3	-0.75
Phenanthrene	ng/l	149 ± 10.4	170.6 ± 19.6	22.3	115	0.97
Pyrene	ng/l	147 ± 6.62	155.2 ± 21	23.6	105	0.33



Summary of results Polycyclic Aromatic Hydrocarbons P25 - En - Score

Labcode: LC0024

Sample: P25A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Acenaphthene	ng/l	21 ± 1.63	23.99 ± 2.52	3.99	114	0.57
Acenaphthylene	ng/l	19.3 ± 1.45	- ± -	4.63	-	-
Anthracene	ng/l	22.3 ± 0.802	24.28 ± 2.55	5.81	109	0.37
Benzo[a]anthracene	ng/l	22.1 ± 2.18	28.16 ± 2.96	4.64	128	0.96
Benzo[a]pyrene	ng/l	15.6 ± 3.07	20.37 ± 3.06	5.3	131	0.70
Benzo[b]fluoranthene	ng/l	22.1 ± 2.26	25.81 ± 2.58	3.76	117	0.65
Benzo[g,h,i]perylene	ng/l	19.8 ± 2.33	22.84 ± 5.37	4.94	116	0.28
Benzo[k]fluoranthene	ng/l	19.7 ± 1.64	22.27 ± 2.34	5.11	113	0.52
Chrysene	ng/l	20.3 ± 2.06	20.31 ± 3.25	4.47	100	0.00
Dibenzo[a,h]anthracene	ng/l	21.2 ± 2	24.05 ± 6.85	6.36	113	0.20
Fluoranthene	ng/l	23.1 ± 0.916	24.29 ± 2.67	4.16	105	0.21
Fluorene	ng/l	25.6 ± 1.41	27.01 ± 3.78	3.58	106	0.19
Indeno[1,2,3-cd]pyrene	ng/l	21.4 ± 2.54	24.71 ± 4.57	5.35	115	0.35
Naphthalene	ng/l	28.3 ± 3.28	23.44 ± 5.51	5.94	82.8	-0.42
Phenanthrene	ng/l	25.3 ± 1.31	47.03 ± 5.41	3.8	186	1.99
Pyrene	ng/l	20.8 ± 1.04	22.36 ± 3.02	3.33	107	0.25

Sample: P25B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Acenaphthene	ng/l	129 ± 7.05	135.7 ± 14.2	24.5	105	0.23
Acenaphthylene	ng/l	167 ± 15.5	- ± -	40.1	-	-
Anthracene	ng/l	139 ± 7.99	148.3 ± 15.6	36.2	107	0.28
Benzo[a]anthracene	ng/l	155 ± 13.7	180 ± 18.9	32.5	116	0.62

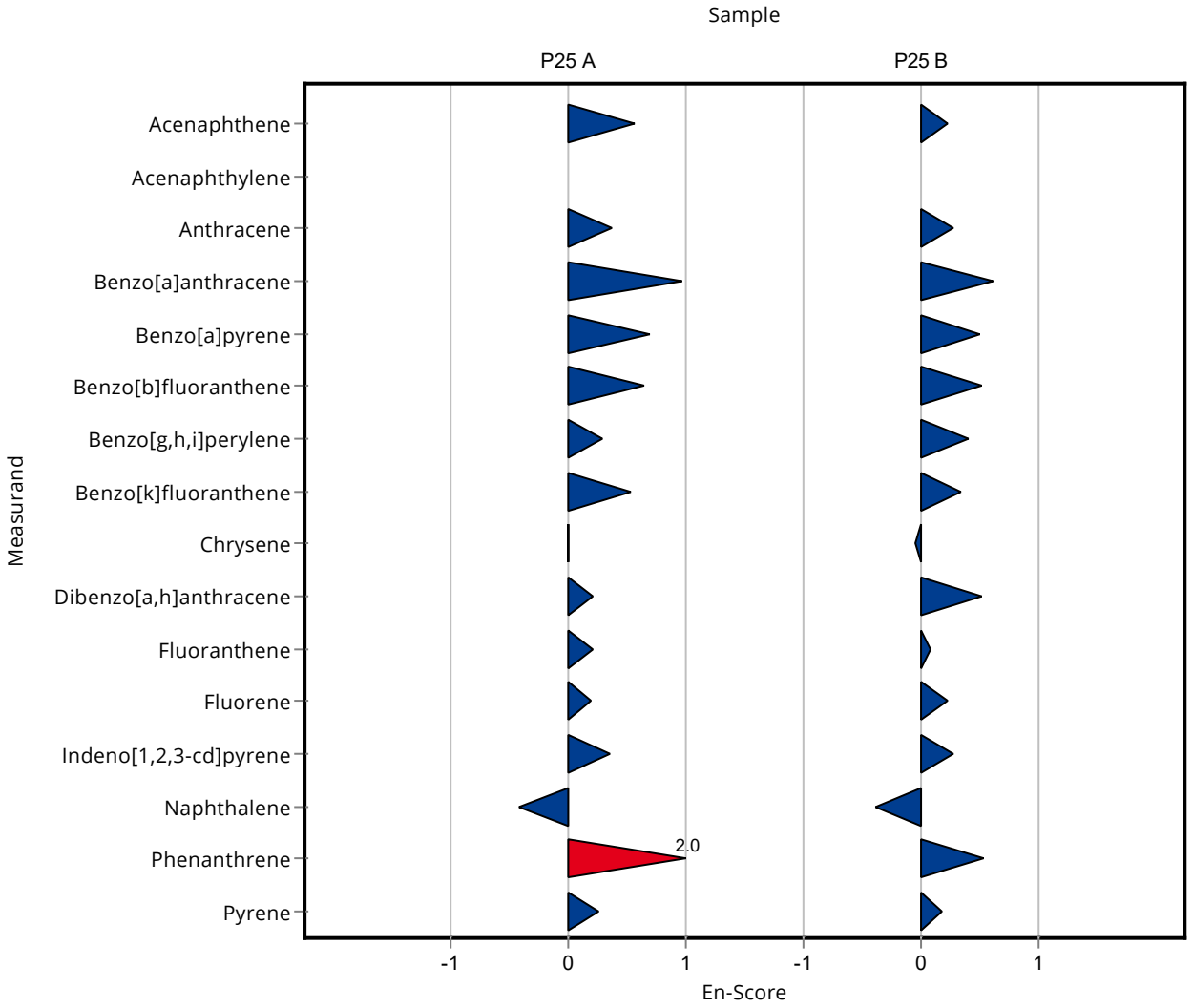
Summary of results Polycyclic Aromatic Hydrocarbons P25 - En - Score

Labcode: LC0024

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Benzo[a]pyrene	ng/l	128 ± 12.2	151.8 ± 22.8	30.8	118	0.50
Benzo[b]fluoranthene	ng/l	175 ± 16.2	197.4 ± 19.7	29.8	113	0.52
Benzo[g,h,i]perylene	ng/l	133 ± 16.8	166.4 ± 39.1	33.3	125	0.41
Benzo[k]fluoranthene	ng/l	127 ± 9.09	137.5 ± 14.4	33.1	108	0.34
Chrysene	ng/l	129 ± 10.3	127.1 ± 20.3	28.3	98.6	-0.04
Dibenzo[a,h]anthracene	ng/l	106 ± 18.7	151.9 ± 43.3	41.4	143	0.52
Fluoranthene	ng/l	153 ± 7.28	156.1 ± 17.2	27.6	102	0.08
Fluorene	ng/l	157 ± 11.3	168.1 ± 23.5	21.9	107	0.24
Indeno[1,2,3-cd]pyrene	ng/l	140 ± 15.1	157 ± 29.1	35	112	0.28
Naphthalene	ng/l	171 ± 15.1	144.4 ± 33.9	36	84.3	-0.39
Phenanthrene	ng/l	149 ± 10.4	170.6 ± 19.6	22.3	115	0.54
Pyrene	ng/l	147 ± 6.62	155.2 ± 21	23.6	105	0.18

Summary of results Polycyclic Aromatic Hydrocarbons P25 - En - Score

Labcode: LC0024



E9. Methodenübersicht / Overview of methods

LabCode	Sample	Acenaphthene	Acenaphthylene	Anthracene	Benzo[a]anthracene
LC0001	P25A	HPLC-FLD; EN ISO 17993, F18	HPLC-FLD; EN ISO 17993, F18	HPLC-FLD; EN ISO 17993, F18	HPLC-FLD; EN ISO 17993, F18
LC0002	P25A	GC-MS; DIN 38407-39	GC-MS; DIN 38407-39	GC-MS; DIN 38407-39	GC-MS; DIN 38407-39
LC0003	P25A	GC-MS/MS (SPME); ISS.CAB.039.REV01	GC-MS/MS (SPME); ISS.CAB.039.REV01	GC-MS/MS (SPME); ISS.CAB.039.REV01	GC-MS/MS (SPME); ISS.CAB.039.REV01
LC0004	P25A				
LC0005	P25A	GC-MS; ISO 28540	GC-MS; ISO 28540	GC-MS; ISO 28540	GC-MS; ISO 28540
LC0006	P25A	GC-MS; DIN 38407-39	GC-MS; DIN 38407-39	GC-MS; DIN 38407-39	GC-MS; DIN 38407-39
LC0007	P25A	GC-MS; own method	GC-MS; own method	GC-MS; own method	GC-MS; own method
LC0008	P25A	GC-MS; DIN 38407-39	GC-MS; DIN 38407-39	GC-MS; DIN 38407-39	GC-MS; DIN 38407-39
LC0009	P25A	GC-MS; ISO 28540	GC-MS; ISO 28540	GC-MS; ISO 28540	GC-MS; ISO 28540
LC0010	P25A	GC-MS; ISO 28540	GC-MS; ISO 28540	GC-MS; ISO 28540	GC-MS; ISO 28540
LC0011	P25A	GC-MS; DIN 38407-39	GC-MS; DIN 38407-39	GC-MS; DIN 38407-39	GC-MS; DIN 38407-39
LC0012	P25A	HPLC-FLD; EN ISO 17993	HPLC-FLD; EN ISO 17993	HPLC-FLD; EN ISO 17993	HPLC-FLD; EN ISO 17993
LC0013	P25A	HPLC-FLD; EN ISO 17993	HPLC-FLD; EN ISO 17993	HPLC-FLD; EN ISO 17993	HPLC-FLD; EN ISO 17993
LC0014	P25A	HPLC-FLD; EN ISO 17993, F18	HPLC-FLD; EN ISO 17993, F18	HPLC-FLD; EN ISO 17993, F18	HPLC-FLD; EN ISO 17993, F18
LC0015	P25A	GC-MS; DIN 38407-39	GC-MS; DIN 38407-39	GC-MS; DIN 38407-39	GC-MS; DIN 38407-39
LC0016	P25A				
LC0017	P25A			GC-MS/MS (SPME); ISS.CAB.039.REV01	GC-MS/MS (SPME); ISS.CAB.039.REV01
LC0018	P25A	GC-MS; EN 16181	GC-MS; EN 16181	GC-MS; EN 16181	GC-MS; EN 16181
LC0019	P25A	GC-MS; after extraction	GC-MS; after extraction	GC-MS; after extraction	GC-MS; after extraction
LC0020	P25A	GC-MS; DIN 38407-39	GC-MS; DIN 38407-39	GC-MS; DIN 38407-39	GC-MS; DIN 38407-39
LC0021	P25A	GC-MS; ISO 28540	GC-MS; ISO 28540	GC-MS; ISO 28540	GC-MS; ISO 28540
LC0022	P25A	GC-MS; DIN 38407 (F39)	GC-MS; DIN 38407 (F39)	GC-MS; DIN 38407 (F39)	GC-MS; DIN 38407 (F39)
LC0023	P25A	HPLC-FLD; EN ISO 17993	HPLC-FLD; EN ISO 17993	HPLC-FLD; EN ISO 17993	HPLC-FLD; EN ISO 17993
LC0024	P25A	HPLC-FLD; EN ISO 17993, F18		HPLC-FLD; EN ISO 17993, F18	HPLC-FLD; EN ISO 17993, F18

LabCode	Sample	Acenaphthene	Acenaphthylene	Anthracene	Benzo[a]anthracene
LC0001	P25B	HPLC-FLD; EN ISO 17993, F18	HPLC-FLD; EN ISO 17993, F18	HPLC-FLD; EN ISO 17993, F18	HPLC-FLD; EN ISO 17993, F18
LC0002	P25B	GC-MS; DIN 38407-39	GC-MS; DIN 38407-39	GC-MS; DIN 38407-39	GC-MS; DIN 38407-39
LC0003	P25B	GC-MS/MS (SPME); ISS.CAB.039.REV01	GC-MS/MS (SPME); ISS.CAB.039.REV01	GC-MS/MS (SPME); ISS.CAB.039.REV01	GC-MS/MS (SPME); ISS.CAB.039.REV01
LC0004	P25B				
LC0005	P25B	GC-MS; ISO 28540	GC-MS; ISO 28540	GC-MS; ISO 28540	GC-MS; ISO 28540
LC0006	P25B	GC-MS; DIN 38407-39	GC-MS; DIN 38407-39	GC-MS; DIN 38407-39	GC-MS; DIN 38407-39
LC0007	P25B	GC-MS; own method	GC-MS; own method	GC-MS; own method	GC-MS; own method
LC0008	P25B	GC-MS; DIN 38407-39	GC-MS; DIN 38407-39	GC-MS; DIN 38407-39	GC-MS; DIN 38407-39
LC0009	P25B	GC-MS; ISO 28540	GC-MS; ISO 28540	GC-MS; ISO 28540	GC-MS; ISO 28540
LC0010	P25B	GC-MS; ISO 28540	GC-MS; ISO 28540	GC-MS; ISO 28540	GC-MS; ISO 28540
LC0011	P25B	GC-MS; DIN 38407-39	GC-MS; DIN 38407-39	GC-MS; DIN 38407-39	GC-MS; DIN 38407-39
LC0012	P25B	HPLC-FLD; EN ISO 17993	HPLC-FLD; EN ISO 17993	HPLC-FLD; EN ISO 17993	HPLC-FLD; EN ISO 17993
LC0013	P25B	HPLC-FLD; EN ISO 17993	HPLC-FLD; EN ISO 17993	HPLC-FLD; EN ISO 17993	HPLC-FLD; EN ISO 17993
LC0014	P25B	HPLC-FLD; EN ISO 17993, F18	HPLC-FLD; EN ISO 17993, F18	HPLC-FLD; EN ISO 17993, F18	HPLC-FLD; EN ISO 17993, F18
LC0015	P25B	GC-MS; DIN 38407-39	GC-MS; DIN 38407-39	GC-MS; DIN 38407-39	GC-MS; DIN 38407-39
LC0016	P25B				
LC0017	P25B			GC-MS/MS (SPME); ISS.CAB.039.REV01	GC-MS/MS (SPME); ISS.CAB.039.REV01
LC0018	P25B	GC-MS; EN 16181	GC-MS; EN 16181	GC-MS; EN 16181	GC-MS; EN 16181
LC0019	P25B	GC-MS; after extraction	GC-MS; after extraction	GC-MS; after extraction	GC-MS; after extraction
LC0020	P25B	GC-MS; DIN 38407-39	GC-MS; DIN 38407-39	GC-MS; DIN 38407-39	GC-MS; DIN 38407-39
LC0021	P25B	GC-MS; ISO 28540	GC-MS; ISO 28540	GC-MS; ISO 28540	GC-MS; ISO 28540
LC0022	P25B	GC-MS; DIN 38407 (F39)	GC-MS; DIN 38407 (F39)	GC-MS; DIN 38407 (F39)	GC-MS; DIN 38407 (F39)
LC0023	P25B	HPLC-FLD; EN ISO 17993	HPLC-FLD; EN ISO 17993	HPLC-FLD; EN ISO 17993	HPLC-FLD; EN ISO 17993
LC0024	P25B	HPLC-FLD; EN ISO 17993, F18		HPLC-FLD; EN ISO 17993, F18	HPLC-FLD; EN ISO 17993, F18

LabCode	Sample	Benzo[a]pyrene	Benzo[b]fluoranthene	Benzo[g,h,i]perylene	Benzo[k]fluoranthene
LC0001	P25B	HPLC-FLD; EN ISO 17993, F18	HPLC-FLD; EN ISO 17993, F18	HPLC-FLD; EN ISO 17993, F18	HPLC-FLD; EN ISO 17993, F18
LC0002	P25B	GC-MS; DIN 38407-39	GC-MS; DIN 38407-39	GC-MS; DIN 38407-39	GC-MS; DIN 38407-39
LC0003	P25B	GC-MS/MS (SPME); ISS.CAB.039.REV01	GC-MS/MS (SPME); ISS.CAB.039.REV01	GC-MS/MS (SPME); ISS.CAB.039.REV01	GC-MS/MS (SPME); ISS.CAB.039.REV01
LC0004	P25B				
LC0005	P25B	GC-MS; ISO 28540	GC-MS; ISO 28540	GC-MS; ISO 28540	GC-MS; ISO 28540
LC0006	P25B	GC-MS; DIN 38407-39	GC-MS; DIN 38407-39	GC-MS; DIN 38407-39	GC-MS; DIN 38407-39
LC0007	P25B	GC-MS (Screening); Screening BAFU	GC-MS; own method	GC-MS; own method	GC-MS; own method
LC0008	P25B	GC-MS; DIN 38407-39	GC-MS; DIN 38407-39	GC-MS; DIN 38407-39	GC-MS; DIN 38407-39
LC0009	P25B	GC-MS; ISO 28540	GC-MS; ISO 28540	GC-MS; ISO 28540	GC-MS; ISO 28540
LC0010	P25B	GC-MS; ISO 28540	GC-MS; ISO 28540	GC-MS; ISO 28540	GC-MS; ISO 28540
LC0011	P25B	GC-MS; DIN 38407-39	GC-MS; DIN 38407-39	GC-MS; DIN 38407-39	GC-MS; DIN 38407-39
LC0012	P25B	HPLC-FLD; EN ISO 17993	HPLC-FLD; EN ISO 17993	HPLC-FLD; EN ISO 17993	HPLC-FLD; EN ISO 17993
LC0013	P25B	HPLC-FLD; EN ISO 17993	HPLC-FLD; EN ISO 17993	HPLC-FLD; EN ISO 17993	HPLC-FLD; EN ISO 17993
LC0014	P25B	HPLC-FLD; EN ISO 17993, F18	HPLC-FLD; EN ISO 17993, F18	HPLC-FLD; EN ISO 17993, F18	HPLC-FLD; EN ISO 17993, F18
LC0015	P25B	GC-MS; DIN 38407-39	GC-MS; DIN 38407-39	GC-MS; DIN 38407-39	GC-MS; DIN 38407-39
LC0016	P25B	HPTLC	HPTLC	HPTLC	HPTLC
LC0017	P25B	GC-MS/MS (SPME); ISS.CAB.039.REV01	GC-MS/MS (SPME); ISS.CAB.039.REV01	GC-MS/MS (SPME); ISS.CAB.039.REV01	GC-MS/MS (SPME); ISS.CAB.039.REV01
LC0018	P25B	GC-MS; EN 16181	GC-MS; EN 16181	GC-MS; EN 16181	GC-MS; EN 16181
LC0019	P25B	GC-MS; after extraction	GC-MS; after extraction	GC-MS; after extraction	GC-MS; after extraction
LC0020	P25B	GC-MS; DIN 38407-39	GC-MS; DIN 38407-39	GC-MS; DIN 38407-39	GC-MS; DIN 38407-39
LC0021	P25B	GC-MS; ISO 28540	GC-MS; ISO 28540	GC-MS; ISO 28540	GC-MS; ISO 28540
LC0022	P25B	GC-MS; DIN 38407 (F39)	GC-MS; DIN 38407 (F39)	GC-MS; DIN 38407 (F39)	GC-MS; DIN 38407 (F39)
LC0023	P25B	HPLC-FLD; EN ISO 17993	HPLC-FLD; EN ISO 17993	HPLC-FLD; EN ISO 17993	HPLC-FLD; EN ISO 17993
LC0024	P25B	HPLC-FLD; EN ISO 17993, F18	HPLC-FLD; EN ISO 17993, F18	HPLC-FLD; EN ISO 17993, F18	HPLC-FLD; EN ISO 17993, F18

LabCode	Sample	Chrysene	Dibenzo[a,h]anthracene	Fluoranthene	Fluorene
LC0001	P25B	HPLC-FLD; EN ISO 17993, F18	HPLC-FLD; EN ISO 17993, F18	HPLC-FLD; EN ISO 17993, F18	HPLC-FLD; EN ISO 17993, F18
LC0002	P25B	GC-MS; DIN 38407-39	GC-MS; DIN 38407-39	GC-MS; DIN 38407-39	GC-MS; DIN 38407-39
LC0003	P25B	GC-MS/MS (SPME); ISS.CAB.039.REV01	GC-MS/MS (SPME); ISS.CAB.039.REV01	GC-MS/MS (SPME); ISS.CAB.039.REV01	GC-MS/MS (SPME); ISS.CAB.039.REV01
LC0004	P25B				
LC0005	P25B	GC-MS; ISO 28540	GC-MS; ISO 28540	GC-MS; ISO 28540	GC-MS; ISO 28540
LC0006	P25B	GC-MS; DIN 38407-39	GC-MS; DIN 38407-39	GC-MS; DIN 38407-39	GC-MS; DIN 38407-39
LC0007	P25B	GC-MS; own method	GC-MS; own method	GC-MS; own method	GC-MS; own method
LC0008	P25B	GC-MS; DIN 38407-39	GC-MS; DIN 38407-39	GC-MS; DIN 38407-39	GC-MS; DIN 38407-39
LC0009	P25B	GC-MS; ISO 28540	GC-MS; ISO 28540	GC-MS; ISO 28540	GC-MS; ISO 28540
LC0010	P25B	GC-MS; ISO 28540	GC-MS; ISO 28540	GC-MS; ISO 28540	GC-MS; ISO 28540
LC0011	P25B	GC-MS; DIN 38407-39	GC-MS; DIN 38407-39	GC-MS; DIN 38407-39	GC-MS; DIN 38407-39
LC0012	P25B	HPLC-FLD; EN ISO 17993	HPLC-FLD; EN ISO 17993	HPLC-FLD; EN ISO 17993	HPLC-FLD; EN ISO 17993
LC0013	P25B	HPLC-FLD; EN ISO 17993	HPLC-FLD; EN ISO 17993	HPLC-FLD; EN ISO 17993	HPLC-FLD; EN ISO 17993
LC0014	P25B	HPLC-FLD; EN ISO 17993, F18	HPLC-FLD; EN ISO 17993, F18	HPLC-FLD; EN ISO 17993, F18	HPLC-FLD; EN ISO 17993, F18
LC0015	P25B	GC-MS; DIN 38407-39	GC-MS; DIN 38407-39	GC-MS; DIN 38407-39	GC-MS; DIN 38407-39
LC0016	P25B			HPTLC	
LC0017	P25B	GC-MS/MS (SPME); ISS.CAB.039.REV01	GC-MS/MS (SPME); ISS.CAB.039.REV01	GC-MS/MS (SPME); ISS.CAB.039.REV01	
LC0018	P25B	GC-MS; EN 16181	GC-MS; EN 16181	GC-MS; EN 16181	GC-MS; EN 16181
LC0019	P25B	GC-MS; after extraction	GC-MS; after extraction	GC-MS; after extraction	GC-MS; after extraction
LC0020	P25B	GC-MS; DIN 38407-39	GC-MS; DIN 38407-39	GC-MS; DIN 38407-39	GC-MS; DIN 38407-39
LC0021	P25B	GC-MS; ISO 28540	GC-MS; ISO 28540	GC-MS; ISO 28540	GC-MS; ISO 28540
LC0022	P25B	GC-MS; DIN 38407 (F39)	GC-MS; DIN 38407 (F39)	GC-MS; DIN 38407 (F39)	GC-MS; DIN 38407 (F39)
LC0023	P25B	HPLC-FLD; EN ISO 17993	HPLC-FLD; EN ISO 17993	HPLC-FLD; EN ISO 17993	HPLC-FLD; EN ISO 17993
LC0024	P25B	HPLC-FLD; EN ISO 17993, F18	HPLC-FLD; EN ISO 17993, F18	HPLC-FLD; EN ISO 17993, F18	HPLC-FLD; EN ISO 17993, F18

LabCode	Sample	Indeno[1,2,3-cd]pyrene	Naphthalene	Phenanthrene	Pyrene
LC0001	P25B	HPLC-FLD; EN ISO 17993, F18	HPLC-FLD; EN ISO 17993, F18	HPLC-FLD; EN ISO 17993, F18	HPLC-FLD; EN ISO 17993, F18
LC0002	P25B	GC-MS; DIN 38407-39	GC-MS; DIN 38407-39	GC-MS; DIN 38407-39	GC-MS; DIN 38407-39
LC0003	P25B	GC-MS/MS (SPME); ISS.CAB.039.REV01		GC-MS/MS (SPME); ISS.CAB.039.REV01	GC-MS/MS (SPME); ISS.CAB.039.REV01
LC0004	P25B				
LC0005	P25B	GC-MS; ISO 28540	GC-MS; ISO 28540	GC-MS; ISO 28540	GC-MS; ISO 28540
LC0006	P25B	GC-MS; DIN 38407-39	GC-MS; DIN 38407-39	GC-MS; DIN 38407-39	GC-MS; DIN 38407-39
LC0007	P25B	GC-MS; own method	GC-MS; own method	GC-MS; own method	GC-MS; own method
LC0008	P25B	GC-MS; DIN 38407-39	GC-MS; DIN 38407-39	GC-MS; DIN 38407-39	GC-MS; DIN 38407-39
LC0009	P25B	GC-MS; ISO 28540	GC-MS; ISO 28540	GC-MS; ISO 28540	GC-MS; ISO 28540
LC0010	P25B	GC-MS; ISO 28540	GC-MS; ISO 28540	GC-MS; ISO 28540	GC-MS; ISO 28540
LC0011	P25B	GC-MS; DIN 38407-39	GC-MS; DIN 38407-39	GC-MS; DIN 38407-39	GC-MS; DIN 38407-39
LC0012	P25B	HPLC-FLD; EN ISO 17993	HPLC-FLD; EN ISO 17993	HPLC-FLD; EN ISO 17993	HPLC-FLD; EN ISO 17993
LC0013	P25B	HPLC-FLD; EN ISO 17993	HPLC-FLD; EN ISO 17993	HPLC-FLD; EN ISO 17993	HPLC-FLD; EN ISO 17993
LC0014	P25B	HPLC-FLD; EN ISO 17993, F18	HPLC-FLD; EN ISO 17993, F18	HPLC-FLD; EN ISO 17993, F18	HPLC-FLD; EN ISO 17993, F18
LC0015	P25B	GC-MS; DIN 38407-39	GC-MS; DIN 38407-39	GC-MS; DIN 38407-39	GC-MS; DIN 38407-39
LC0016	P25B	HPTLC			
LC0017	P25B	GC-MS/MS (SPME); ISS.CAB.039.REV01			GC-MS/MS (SPME); ISS.CAB.039.REV01
LC0018	P25B	GC-MS; EN 16181	GC-MS; EN 16181	GC-MS; EN 16181	GC-MS; EN 16181
LC0019	P25B	GC-MS; after extraction	GC-MS; after extraction	GC-MS; after extraction	GC-MS; after extraction
LC0020	P25B	GC-MS; DIN 38407-39	GC-MS; DIN 38407-39	GC-MS; DIN 38407-39	GC-MS; DIN 38407-39
LC0021	P25B	GC-MS; ISO 28540	GC-MS; ISO 28540	GC-MS; ISO 28540	GC-MS; ISO 28540
LC0022	P25B	GC-MS; DIN 38407 (F39)	GC-MS; DIN 38407 (F39)	GC-MS; DIN 38407 (F39)	GC-MS; DIN 38407 (F39)
LC0023	P25B	HPLC-FLD; EN ISO 17993	HPLC-FLD; EN ISO 17993	HPLC-FLD; EN ISO 17993	HPLC-FLD; EN ISO 17993
LC0024	P25B	HPLC-FLD; EN ISO 17993, F18	HPLC-FLD; EN ISO 17993, F18	HPLC-FLD; EN ISO 17993, F18	HPLC-FLD; EN ISO 17993, F18

LabCode	Sample	Benzo[a]pyrene	Benzo[b]fluoranthene	Benzo[g,h,i]perylene	Benzo[k]fluoranthene
LC0001	P25A	HPLC-FLD; EN ISO 17993, F18	HPLC-FLD; EN ISO 17993, F18	HPLC-FLD; EN ISO 17993, F18	HPLC-FLD; EN ISO 17993, F18
LC0002	P25A	GC-MS; DIN 38407-39	GC-MS; DIN 38407-39	GC-MS; DIN 38407-39	GC-MS; DIN 38407-39
LC0003	P25A	GC-MS/MS (SPME); ISS.CAB.039.REV01	GC-MS/MS (SPME); ISS.CAB.039.REV01	GC-MS/MS (SPME); ISS.CAB.039.REV01	GC-MS/MS (SPME); ISS.CAB.039.REV01
LC0004	P25A				
LC0005	P25A	GC-MS; ISO 28540	GC-MS; ISO 28540	GC-MS; ISO 28540	GC-MS; ISO 28540
LC0006	P25A	GC-MS; DIN 38407-39	GC-MS; DIN 38407-39	GC-MS; DIN 38407-39	GC-MS; DIN 38407-39
LC0007	P25A	GC-MS (Screening); Screening BAFU	GC-MS; own method	GC-MS; own method	GC-MS; own method
LC0008	P25A	GC-MS; DIN 38407-39	GC-MS; DIN 38407-39	GC-MS; DIN 38407-39	GC-MS; DIN 38407-39
LC0009	P25A	GC-MS; ISO 28540	GC-MS; ISO 28540	GC-MS; ISO 28540	GC-MS; ISO 28540
LC0010	P25A	GC-MS; ISO 28540	GC-MS; ISO 28540	GC-MS; ISO 28540	GC-MS; ISO 28540
LC0011	P25A	GC-MS; DIN 38407-39	GC-MS; DIN 38407-39	GC-MS; DIN 38407-39	GC-MS; DIN 38407-39
LC0012	P25A	HPLC-FLD; EN ISO 17993	HPLC-FLD; EN ISO 17993	HPLC-FLD; EN ISO 17993	HPLC-FLD; EN ISO 17993
LC0013	P25A	HPLC-FLD; EN ISO 17993	HPLC-FLD; EN ISO 17993	HPLC-FLD; EN ISO 17993	HPLC-FLD; EN ISO 17993
LC0014	P25A	HPLC-FLD; EN ISO 17993, F18	HPLC-FLD; EN ISO 17993, F18	HPLC-FLD; EN ISO 17993, F18	HPLC-FLD; EN ISO 17993, F18
LC0015	P25A	GC-MS; DIN 38407-39	GC-MS; DIN 38407-39	GC-MS; DIN 38407-39	GC-MS; DIN 38407-39
LC0016	P25A	HPTLC	HPTLC	HPTLC	HPTLC
LC0017	P25A	GC-MS/MS (SPME); ISS.CAB.039.REV01	GC-MS/MS (SPME); ISS.CAB.039.REV01	GC-MS/MS (SPME); ISS.CAB.039.REV01	GC-MS/MS (SPME); ISS.CAB.039.REV01
LC0018	P25A	GC-MS; EN 16181	GC-MS; EN 16181	GC-MS; EN 16181	GC-MS; EN 16181
LC0019	P25A	GC-MS; after extraction	GC-MS; after extraction	GC-MS; after extraction	GC-MS; after extraction
LC0020	P25A	GC-MS; DIN 38407-39	GC-MS; DIN 38407-39	GC-MS; DIN 38407-39	GC-MS; DIN 38407-39
LC0021	P25A	GC-MS; ISO 28540	GC-MS; ISO 28540	GC-MS; ISO 28540	GC-MS; ISO 28540
LC0022	P25A	GC-MS; DIN 38407 (F39)	GC-MS; DIN 38407 (F39)	GC-MS; DIN 38407 (F39)	GC-MS; DIN 38407 (F39)
LC0023	P25A	HPLC-FLD; EN ISO 17993	HPLC-FLD; EN ISO 17993	HPLC-FLD; EN ISO 17993	HPLC-FLD; EN ISO 17993
LC0024	P25A	HPLC-FLD; EN ISO 17993, F18	HPLC-FLD; EN ISO 17993, F18	HPLC-FLD; EN ISO 17993, F18	HPLC-FLD; EN ISO 17993, F18

LabCode	Sample	Chrysene	Dibenzo[a,h]anthracene	Fluoranthene	Fluorene
LC0001	P25A	HPLC-FLD; EN ISO 17993, F18	HPLC-FLD; EN ISO 17993, F18	HPLC-FLD; EN ISO 17993, F18	HPLC-FLD; EN ISO 17993, F18
LC0002	P25A	GC-MS; DIN 38407-39	GC-MS; DIN 38407-39	GC-MS; DIN 38407-39	GC-MS; DIN 38407-39
LC0003	P25A	GC-MS/MS (SPME); ISS.CAB.039.REV01	GC-MS/MS (SPME); ISS.CAB.039.REV01	GC-MS/MS (SPME); ISS.CAB.039.REV01	GC-MS/MS (SPME); ISS.CAB.039.REV01
LC0004	P25A				
LC0005	P25A	GC-MS; ISO 28540	GC-MS; ISO 28540	GC-MS; ISO 28540	GC-MS; ISO 28540
LC0006	P25A	GC-MS; DIN 38407-39	GC-MS; DIN 38407-39	GC-MS; DIN 38407-39	GC-MS; DIN 38407-39
LC0007	P25A	GC-MS; own method	GC-MS; own method	GC-MS; own method	GC-MS; own method
LC0008	P25A	GC-MS; DIN 38407-39	GC-MS; DIN 38407-39	GC-MS; DIN 38407-39	GC-MS; DIN 38407-39
LC0009	P25A	GC-MS; ISO 28540	GC-MS; ISO 28540	GC-MS; ISO 28540	GC-MS; ISO 28540
LC0010	P25A	GC-MS; ISO 28540	GC-MS; ISO 28540	GC-MS; ISO 28540	GC-MS; ISO 28540
LC0011	P25A	GC-MS; DIN 38407-39	GC-MS; DIN 38407-39	GC-MS; DIN 38407-39	GC-MS; DIN 38407-39
LC0012	P25A	HPLC-FLD; EN ISO 17993	HPLC-FLD; EN ISO 17993	HPLC-FLD; EN ISO 17993	HPLC-FLD; EN ISO 17993
LC0013	P25A	HPLC-FLD; EN ISO 17993	HPLC-FLD; EN ISO 17993	HPLC-FLD; EN ISO 17993	HPLC-FLD; EN ISO 17993
LC0014	P25A	HPLC-FLD; EN ISO 17993, F18	HPLC-FLD; EN ISO 17993, F18	HPLC-FLD; EN ISO 17993, F18	HPLC-FLD; EN ISO 17993, F18
LC0015	P25A	GC-MS; DIN 38407-39	GC-MS; DIN 38407-39	GC-MS; DIN 38407-39	GC-MS; DIN 38407-39
LC0016	P25A			HPTLC	
LC0017	P25A	GC-MS/MS (SPME); ISS.CAB.039.REV01	GC-MS/MS (SPME); ISS.CAB.039.REV01	GC-MS/MS (SPME); ISS.CAB.039.REV01	
LC0018	P25A	GC-MS; EN 16181	GC-MS; EN 16181	GC-MS; EN 16181	GC-MS; EN 16181
LC0019	P25A	GC-MS; after extraction	GC-MS; after extraction	GC-MS; after extraction	GC-MS; after extraction
LC0020	P25A	GC-MS; DIN 38407-39	GC-MS; DIN 38407-39	GC-MS; DIN 38407-39	GC-MS; DIN 38407-39
LC0021	P25A	GC-MS; ISO 28540	GC-MS; ISO 28540	GC-MS; ISO 28540	GC-MS; ISO 28540
LC0022	P25A	GC-MS; DIN 38407 (F39)	GC-MS; DIN 38407 (F39)	GC-MS; DIN 38407 (F39)	GC-MS; DIN 38407 (F39)
LC0023	P25A	HPLC-FLD; EN ISO 17993	HPLC-FLD; EN ISO 17993	HPLC-FLD; EN ISO 17993	HPLC-FLD; EN ISO 17993
LC0024	P25A	HPLC-FLD; EN ISO 17993, F18	HPLC-FLD; EN ISO 17993, F18	HPLC-FLD; EN ISO 17993, F18	HPLC-FLD; EN ISO 17993, F18

LabCode	Sample	Indeno[1,2,3-cd]pyrene	Naphthalene	Phenanthrene	Pyrene
LC0001	P25A	HPLC-FLD; EN ISO 17993, F18	HPLC-FLD; EN ISO 17993, F18	HPLC-FLD; EN ISO 17993, F18	HPLC-FLD; EN ISO 17993, F18
LC0002	P25A	GC-MS; DIN 38407-39	GC-MS; DIN 38407-39	GC-MS; DIN 38407-39	GC-MS; DIN 38407-39
LC0003	P25A	GC-MS/MS (SPME); ISS.CAB.039.REV01		GC-MS/MS (SPME); ISS.CAB.039.REV01	GC-MS/MS (SPME); ISS.CAB.039.REV01
LC0004	P25A				
LC0005	P25A	GC-MS; ISO 28540	GC-MS; ISO 28540	GC-MS; ISO 28540	GC-MS; ISO 28540
LC0006	P25A	GC-MS; DIN 38407-39	GC-MS; DIN 38407-39	GC-MS; DIN 38407-39	GC-MS; DIN 38407-39
LC0007	P25A	GC-MS; own method	GC-MS; own method	GC-MS; own method	GC-MS; own method
LC0008	P25A	GC-MS; DIN 38407-39	GC-MS; DIN 38407-39	GC-MS; DIN 38407-39	GC-MS; DIN 38407-39
LC0009	P25A	GC-MS; ISO 28540	GC-MS; ISO 28540	GC-MS; ISO 28540	GC-MS; ISO 28540
LC0010	P25A	GC-MS; ISO 28540	GC-MS; ISO 28540	GC-MS; ISO 28540	GC-MS; ISO 28540
LC0011	P25A	GC-MS; DIN 38407-39	GC-MS; DIN 38407-39	GC-MS; DIN 38407-39	GC-MS; DIN 38407-39
LC0012	P25A	HPLC-FLD; EN ISO 17993	HPLC-FLD; EN ISO 17993	HPLC-FLD; EN ISO 17993	HPLC-FLD; EN ISO 17993
LC0013	P25A	HPLC-FLD; EN ISO 17993	HPLC-FLD; EN ISO 17993	HPLC-FLD; EN ISO 17993	HPLC-FLD; EN ISO 17993
LC0014	P25A	HPLC-FLD; EN ISO 17993, F18	HPLC-FLD; EN ISO 17993, F18	HPLC-FLD; EN ISO 17993, F18	HPLC-FLD; EN ISO 17993, F18
LC0015	P25A	GC-MS; DIN 38407-39	GC-MS; DIN 38407-39	GC-MS; DIN 38407-39	GC-MS; DIN 38407-39
LC0016	P25A	HPTLC			
LC0017	P25A	GC-MS/MS (SPME); ISS.CAB.039.REV01			GC-MS/MS (SPME); ISS.CAB.039.REV01
LC0018	P25A	GC-MS; EN 16181	GC-MS; EN 16181	GC-MS; EN 16181	GC-MS; EN 16181
LC0019	P25A	GC-MS; after extraction	GC-MS; after extraction	GC-MS; after extraction	GC-MS; after extraction
LC0020	P25A	GC-MS; DIN 38407-39	GC-MS; DIN 38407-39	GC-MS; DIN 38407-39	GC-MS; DIN 38407-39
LC0021	P25A	GC-MS; ISO 28540	GC-MS; ISO 28540	GC-MS; ISO 28540	GC-MS; ISO 28540
LC0022	P25A	GC-MS; DIN 38407 (F39)	GC-MS; DIN 38407 (F39)	GC-MS; DIN 38407 (F39)	GC-MS; DIN 38407 (F39)
LC0023	P25A	HPLC-FLD; EN ISO 17993	HPLC-FLD; EN ISO 17993	HPLC-FLD; EN ISO 17993	HPLC-FLD; EN ISO 17993
LC0024	P25A	HPLC-FLD; EN ISO 17993, F18	HPLC-FLD; EN ISO 17993, F18	HPLC-FLD; EN ISO 17993, F18	HPLC-FLD; EN ISO 17993, F18