

**Proficiency Testing Scheme für die
Wasseranalytik - Realproben
N150 Nährstoffe**

**Proficiency Testing Scheme for Water
Analysis - natural water samples
N150 Nutrients/Major ions
BERICHT / REPORT**

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D1. Beschreibung des Ringversuchs

D1.1. Ausgestaltung und Durchführung

- Anzahl der Anmeldungen: 57
- Anzahl der übermittelten Datensätze: 56
- Probenversand: 11.02.2020
- Einsendeschluss der Daten: 10.03.2020

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

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

D1.2. Beschreibung der Prüfgegenstände

Die Probenahme von Grundwasser erfolgte am 07.02.2020 und die Probenahme von Oberflächenwasser erfolgte am 06.02.2020. Das Probenmaterial umfasste:

- 1 Probe Grundwasser (N150 A)
- 1 Probe Oberflächenwasser (N150 B)

Alle Proben wurden über 0,45 µm Membranfilter filtriert und anschließend bis zur weiteren Verarbeitung bei < 4 °C gelagert. Die o.a. Proben wurden zusätzlich mit einzelnen Substanzen dotiert.

Das Abfüllen der Proben erfolgte unter ständigem Rühren (Rührkessel). Die Stabilisierung erfolgte durch Kühlung bzw. durch Zusatz von Salzsäure auf pH < 2 (für DOC).

Die homogenen Prüfgegenstände wurden am 11.02.2020 verschickt.

Jedes Teilnehmerlabor erhielt:

- 2 Proben zu je ca. 1250 ml, abgefüllt in je 2 x 500 ml PET-Flaschen und 1 x 250 ml LDPE-Flaschen (für DOC).

D1.3. Anweisungen für die Teilnehmer

Aus Stabilitätsgründen wurde empfohlen bis spätestens 19.02.2020 mit den Analysen zu beginnen.

Den Teilnehmern stand die Wahl der Analyseverfahren bzw. der verwendeten Norm frei, welche mit ihrem Routineverfahren übereinstimmen sollte.

D1.4. Kontrollanalytik zur Bewertung der Homogenität

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

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

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

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

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

D1.5. Trendtest zur Bewertung der Stabilität

Die Bewertung der Stabilität der Prüfgegenstände (Realproben) erfolgte auf Basis der Datenstatistik aus den vergangenen Runden für Realproben im Zeitraum 2013 bis 2019.

Um die ausreichende Stabilität der Prüfgegenstände der aktuellen Eignungsprüfungsrunde bis zum Abgabetermin zu überprüfen, wurde die Darstellung der Teilnehmerergebnisse nach Analysendatum ausgewertet und auf systematische Trends geprüft (unauffällig). Durch Darstellung der Teilnehmerergebnisse 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 10.03.2020 beim Veranstalter vorliegen. Später eingehende Werte wurden nicht berücksichtigt.

Im Zuge der Plausibilitätsprüfung der Daten (z.B. Check korrekte Einheiten, Messunsicherheitsangabe, ...) wurden die Teilnehmer 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 DIN ISO 5725-2. Eine statistische Auswertung der Ringversuchsdaten erfolgte erst ab zumindest 6 gültigen, numerischen Ergebnissen pro Parameter. Ergebnisse kleiner Bestimmungs- oder Nachweisgrenze wurden bei den Berechnungen nicht berücksichtigt.

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

Bei sehr hohen Streuungen der Teilnehmerergebnisse von über 50 % und/oder bei mangelhafter Rückführbarkeit der statistischen Kenndaten aus den ausreißerbereinigten Ergebnissen der Teilnehmer 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 Teilnehmerergebnisse für diesen Parameter möglich ist. Ein entsprechender Hinweis wird im Bericht unter E7 bei der informativen Auswertung angebracht. Im Rahmen der internen Qualitätssicherung der Teilnehmer kann ein Vergleich mit den Ergebnissen des Kontrolllabors durchgeführt werden. Diese

Vorgehensweise wird bei Anwendung jeweils parameter- und probenbezogen unter Punkt D4 des Berichts dokumentiert.

D2. Kriterien der Leistungsbewertung

D2.1. Leistungskriterium z-Score

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

Die Ermittlung der z-Scores erfolgte gemäß nachfolgender Formel:

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

Dabei ist:

x_i	Messergebnis des teilnehmenden Labors
\bar{X}	zugewiesener Wert Sollwert für die Leistungsbewertung der Teilnehmer (angegeben auf 3 signifikante Stellen); im Regelfall: ausreißerbereinigter Mittelwert der Teilnehmerergebnisse. Eine davon abweichende Vorgehensweise wird unter Punkt D4 des Berichts beschrieben.
<i>Kriterium</i>	Vergleichsstandardabweichung berechnet aus den Statistiken für reale Wasserproben der vorangegangenen Runden im Zeitraum 2013 bis 2019 (RSDpooled) bzw. aus den ausreißerbereinigten Teilnehmerergebnissen (sR) des aktuellen Ringversuchs (falls noch weniger als 6 vorangegangene Runden für A und B-Proben vorlagen). In begründeten Fällen (z.B. Ergebnisse Realproben nahe an Mindestbestimmungsgrenze oder regulatorischer Vorgaben) erfolgt die Festlegung nach Expertenbefund und die Vorgangsweise wird unter Punkt D4 des Berichts beschrieben.

D2.2. Leistungskriterium E_n-Score

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

Die Ermittlung der E_n-Scores erfolgte gemäß nachfolgender Formel:

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

Dabei ist:

x_i	Messergebnis des teilnehmenden Labors
\bar{X}	zugewiesener Wert Sollwert für die Leistungsbewertung der Teilnehmer (angegeben auf 3 signifikante Stellen); im Regelfall: ausreißerbereinigter Mittelwert der Teilnehmerergebnisse. Eine davon abweichende Vorgehensweise wird unter Punkt D4 des Berichts beschrieben.
$U(x_i)$	erweiterte Messunsicherheit des Messergebnisses (Teilnehmerergebnis)
$U(\bar{X})$	erweiterte Messunsicherheit des zugewiesenen Wertes

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

Interpretation der z-Scores:

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

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

Interpretation der E_n-Scores:

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

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

D3. Darstellung und Interpretation der Messergebnisse

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

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

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

D4. Anmerkungen zur Auswertung

Wie unter Punkt D2 ersichtlich, können die z-Scores auch unter Einbeziehung der Vergleichsstandardabweichung der ausreißerbereinigten Teilnehmerergebnisse 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 Teilnehmerergebnisse 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 7 Eignungsprüfungsrunden (2013 - 2019) in Realproben wurden Kriterien (RSDpool) zur Ergebnisbewertung berechnet. Diese wurden im Zuge der Auswertung den relativen Vergleichsstandardabweichungen (vR) des aktuellen Ringversuchs gegenübergestellt.

Parameter Bor, Gesamtstickstoff, Nitrat, Orthophosphat und pH-Wert Probe N150 A und Parameter Bor, Gesamtstickstoff, Natrium und Orthophosphat Probe N150 B: Die auf Basis der Teilnehmerergebnisse berechneten Sollwerte lagen außerhalb der Messunsicherheit des Kontrollwertes und es ist über das Kontrolllabor keine Rückführbarkeit möglich. Der zugewiesene Wert wurde daher über die

ausreißerbereinigten Mittelwerte aus der Gruppe der akkreditierten Teilnehmer 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. µg/l)
Zugewiesener Wert	Sollwert für die Leistungsbewertung der Teilnehmer (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 Teilnehmerergebnisse (angegeben auf 3 signifikante Stellen)
VB (99%)	99% Vertrauensbereich (angegeben auf 3 signifikante Stellen)
Minimum	Minimales abgegebenes Messergebnis, ausreißerbereinigt (angegeben auf 3 signifikante Stellen)
Maximum	Maximales abgegebenes Messergebnis, ausreißerbereinigt (angegeben auf 3 signifikante Stellen)
sR	Vergleichsstandardabweichung berechnet aus den ausreißerbereinigten Teilnehmerergebnissen des aktuellen Ringversuchs (angegeben auf 3 signifikante Stellen)
vR	relative Vergleichsstandardabweichung in %, berechnet aus den ausreißerbereinigten Teilnehmerergebnissen des aktuellen Ringversuchs bezogen auf den Mittelwert (angegeben auf 2 signifikante Stellen)
Kontrollwert ± U (k=2)	Mittelwert der Kontrollmessungen des Veranstalters ± erweiterte Ergebnisunsicherheit des Kontrollwertes (jeweils angegeben auf 3 signifikante Stellen)

Laborcode	anonymisierte, eindeutige Teilnehmerkennung im jeweiligen Ringversuch
Messwert	einzelne(r) Messwert(e) lt. Teilnehmerangabe (maximal 5 Nachkommastellen dargestellt)
Messergebnis	Für die Bewertung herangezogenes Ergebnis lt. Teilnehmerangabe (maximal 5 Nachkommastellen dargestellt). Bei Eignungsprüfungsrunden mit Vorgabe von unabhängigen Mehrfachbestimmungen, entspricht dies dem berechneten Mittelwert aus den einzelnen Messwerten der Teilnehmer.
± U	Ergebnisunsicherheit lt. Teilnehmerangabe (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 Teilnehmer (angegeben auf 3 signifikante Stellen, dargestellt maximal 2 Nachkommastellen). Beim E _n -Score erfolgt die Berücksichtigung der Messunsicherheit der Teilnehmer.
-	Keine Daten übermittelt bzw. keine Berechnung möglich
Anmerkungen	Anmerkungen zum jeweiligen Messergebnis (z.B. H, FN, FP)
H	Ausreißer nach dem Hampel-Test
FN	Falsch negativ – Messergebnis kleiner Bestimmungsgrenze dessen Betrag die Bedingungen eines Ausreißers nach dem Hampeltest erfüllt.
FP	Falsch positiv – Falls aufgrund des geringen Analytgehalts kein zugewiesener Wert ermittelt werden kann (n < 6), wird

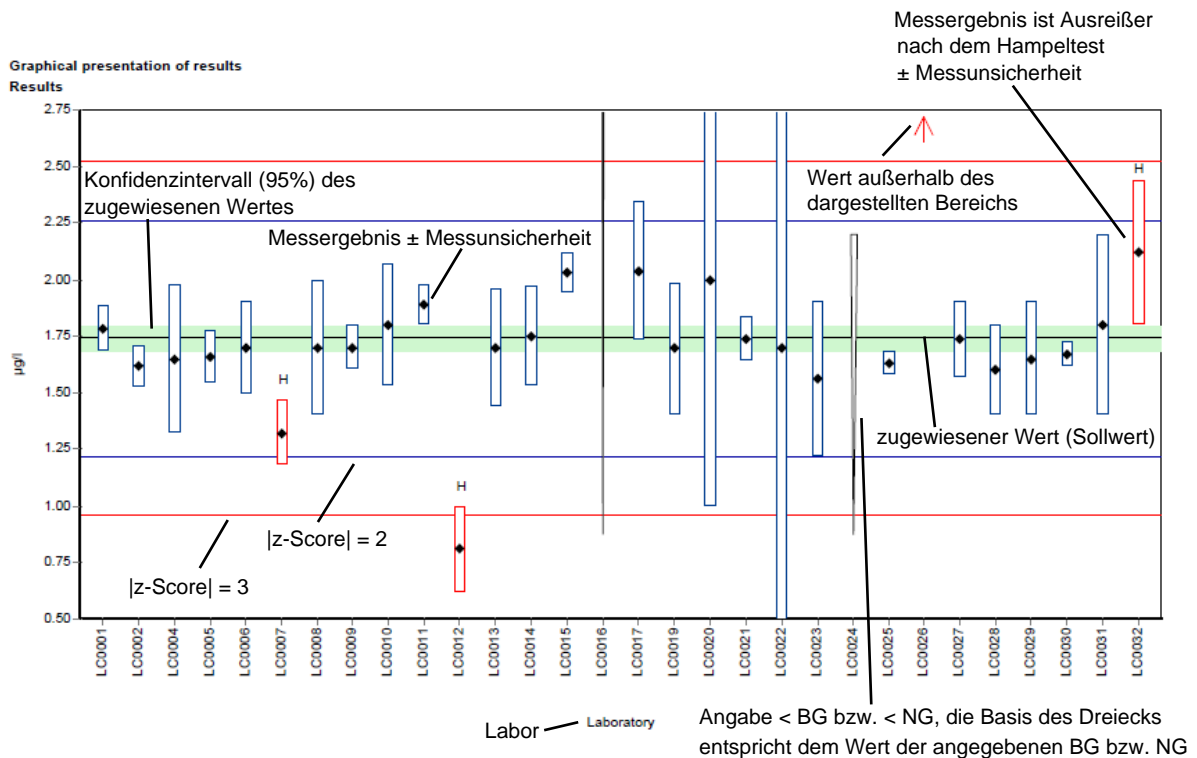
der Median der Beträge der übermittelten Nachweis- bzw. Bestimmungsgrenzen ermittelt. Als falsch positiv wird ein Messergebnis bewertet, welches diesen Median um mehr als 100 % übersteigt.

- Standardabweichung Vergleichsstandardabweichung berechnet aus den Teilnehmerergebnissen des aktuellen Ringversuchs (angegeben auf 3 signifikante Stellen)
- rel. Standardabweichung relative Vergleichsstandardabweichung in %, berechnet aus den Teilnehmerergebnissen des aktuellen Ringversuchs bezogen auf den Mittelwert (angegeben auf 3 signifikante Stellen)
- n Anzahl der Messergebnisse

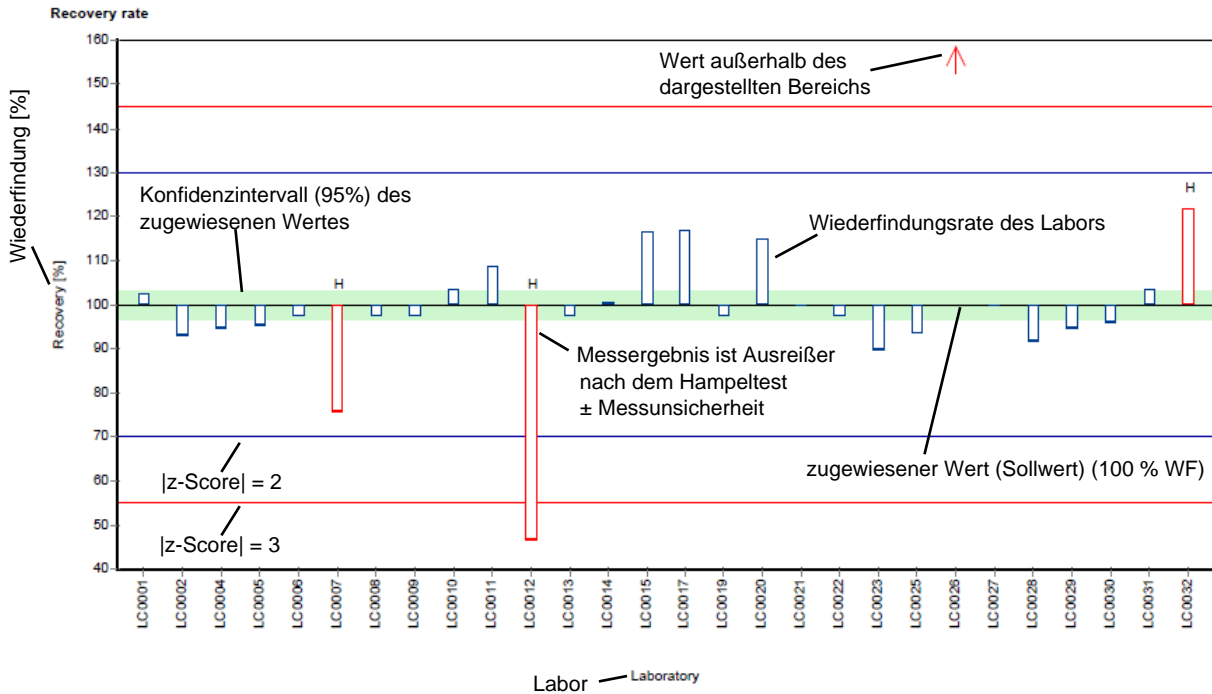
D5.2. Graphische Darstellung der Ergebnisse

Nachfolgend wird die graphische Darstellung anhand von kommentierten Beispieldiagrammen erläutert.

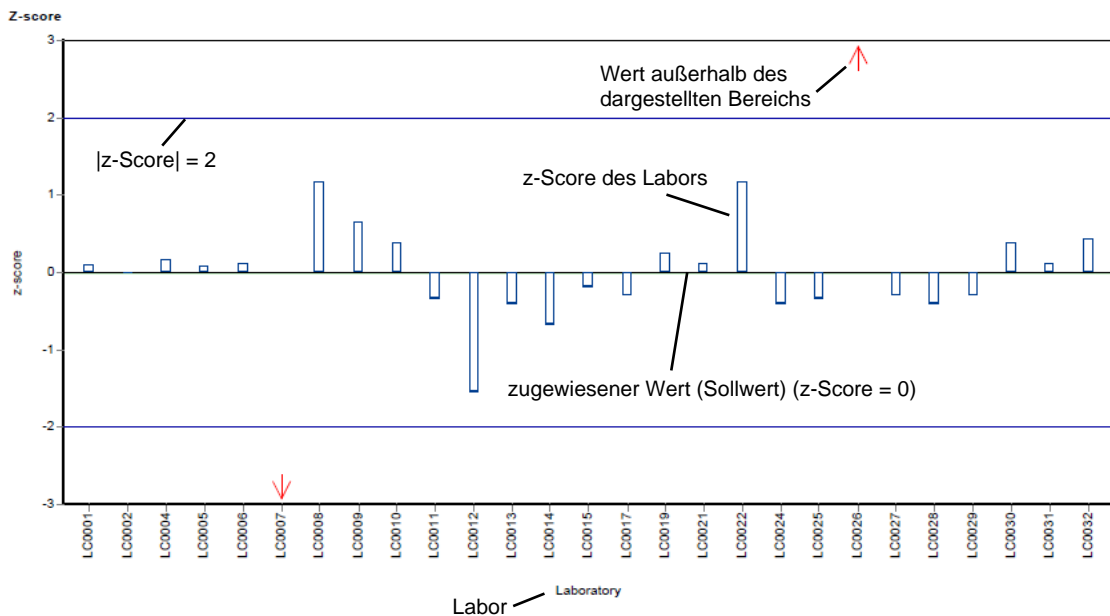
Beispieldiagramm: Messwerte



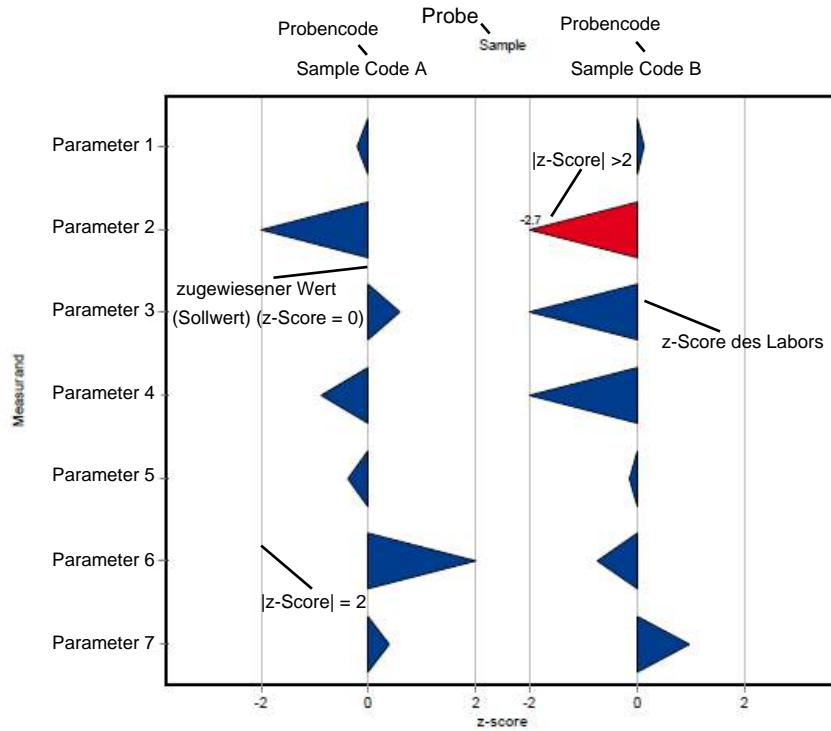
Beispieldiagramm: Wiederfindung zum zugewiesenen Wert



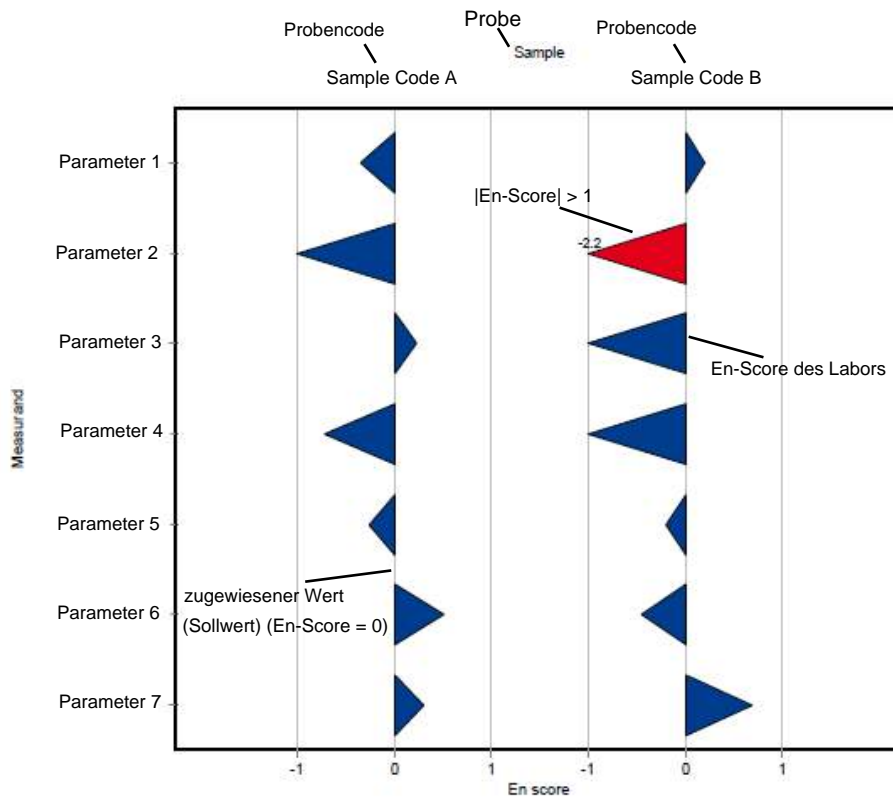
Beispieldiagramm: z-Score



Beispieldiagramm: z-Score (labororientierte Auswertung)



Beispieldiagramm: En-Score (labororientierte Auswertung)



D6. Zusammenfassung

D6.1. Tabelle der zugewiesenen Werte

Parameter	Probe	Einheit	zugewiesener Wert	±	U (k=2)	Kriterium	Kriterium [%]
Säurekapazität Ks 4,3	N150 A	mmol/l	4.1	±	0.0162	0.0821	2
	N150 B	mmol/l	2.74	±	0.0137	0.0547	2
Ammonium (als NH ₄)	N150 A	mg/l	0.0588	±	0.0023	0.00706	12
	N150 B	mg/l	0.321	±	0.00634	0.0385	12
Bor	N150 A	mg/l	0.0209	±	0.000944	0.0023	11
	N150 B	mg/l	0.00948	±	0.00044	0.00104	11
Calcium	N150 A	mg/l	71.6	±	0.691	2.22	3.1
	N150 B	mg/l	48.2	±	0.463	1.5	3.1
Chlorid	N150 A	mg/l	31	±	0.209	1.24	4
	N150 B	mg/l	11.5	±	0.13	0.459	4
DOC (berechnet als C)	N150 A	mg/l	1.85	±	0.0645	0.185	10
	N150 B	mg/l	2.45	±	0.0593	0.245	10
elektr. Leitfähigkeit (25°C)	N150 A	µS/cm	545	±	2.62	7.09	1.3
	N150 B	µS/cm	350	±	1.44	4.56	1.3
Hydrogencarbonat	N150 A	mg/l	249	±	1.82	4.99	2
	N150 B	mg/l	165	±	1.09	3.3	2
Magnesium	N150 A	mg/l	16.2	±	0.207	0.648	4
	N150 B	mg/l	10.9	±	0.149	0.435	4
Nitrat (als NO ₃)	N150 A	mg/l	7.06	±	0.16	0.353	5
	N150 B	mg/l	12	±	0.174	0.601	5
Nitrit (als NO ₂)	N150 A	mg/l	0.202	±	0.00286	0.0107	5.3
	N150 B	mg/l	0.221	±	0.00316	0.0117	5.3
Orthophosphat (als PO ₄)	N150 A	mg/l	0.137	±	0.00441	0.0123	9
	N150 B	mg/l	0.166	±	0.00363	0.0149	9
pH-Wert	N150 A	-	7.77	±	0.027	0.155	2
	N150 B	-	7.74	±	0.033	0.155	2
Kalium	N150 A	mg/l	2.28	±	0.0331	0.118	5.2
	N150 B	mg/l	1.24	±	0.0282	0.0644	5.2
Natrium	N150 A	mg/l	17.7	±	0.216	0.602	3.4
	N150 B	mg/l	6.39	±	0.087	0.217	3.4
Sulfat (als SO ₄)	N150 A	mg/l	31.2	±	0.278	1.03	3.3
	N150 B	mg/l	18.3	±	0.193	0.603	3.3
Gesamt-P (als PO ₄)	N150 A	mg/l	1.48	±	0.0285	0.111	7.5
	N150 B	mg/l	0.7	±	0.0182	0.0525	7.5
Gesamthärte	N150 A	mmol/l	2.48	±	0.0362	0.0745	3
	N150 B	mmol/l	1.68	±	0.022	0.0504	3
Gesamtstickstoff	N150 A	mg/l	1.76	±	0.0577	0.146	8.3
	N150 B	mg/l	3.1	±	0.101	0.258	8.3

D6.2. Zusammenfassung der ausreißerbereinigten Ringversuchsergebnisse

Parameter	Probe	Anzahl Labors für Berechnung	Anzahl Ausreißer Labors	Einheit	Mittelwert	± VB (99%)	Minimum	Maximum	sR	vR [%]
Säurekapazität Ks 4,3	N150 A	40	3	mmol/l	4.1	± 0.0243	3.98	4.22	0.0513	1.3
	N150 B	38	4	mmol/l	2.74	± 0.0206	2.65	2.83	0.0423	1.5
Ammonium (als NH ₄)	N150 A	31	7	mg/l	0.0588	± 0.00346	0.048	0.077	0.00641	11
	N150 B	34	6	mg/l	0.321	± 0.00951	0.282	0.37	0.0185	5.8
Bor	N150 A	23	4	mg/l	0.0209	± 0.00124	0.018	0.026	0.00198	9.5
	N150 B	19	2	mg/l	0.00956	± 0.000582	0.0074	0.011	0.000845	8.8
Calcium	N150 A	33	6	mg/l	71.6	± 1.04	66.4	75.2	1.98	2.8
	N150 B	34	5	mg/l	48.2	± 0.695	45.3	52.2	1.35	2.8
Chlorid	N150 A	42	2	mg/l	31	± 0.313	29.2	32.3	0.676	2.2
	N150 B	44	0	mg/l	11.5	± 0.196	10.2	12.7	0.432	3.8
DOC (berechnet als C)	N150 A	34	4	mg/l	1.85	± 0.0967	1.45	2.31	0.188	10
	N150 B	34	4	mg/l	2.45	± 0.0889	2.02	2.78	0.173	7.1
elektr. Leitfähigkeit (25°C)	N150 A	46	4	µS/cm	545	± 3.92	521	564	8.87	1.6
	N150 B	45	6	µS/cm	350	± 2.16	337	360	4.83	1.4
Hydrogencarbonat	N150 A	32	1	mg/l	249	± 2.73	240	262	5.15	2.1
	N150 B	28	4	mg/l	165	± 1.64	159	171	2.89	1.7
Magnesium	N150 A	35	4	mg/l	16.2	± 0.311	15.2	17.9	0.612	3.8
	N150 B	35	4	mg/l	10.9	± 0.223	10.2	12.2	0.44	4
Nitrat (als NO ₃)	N150 A	43	3	mg/l	7.03	± 0.198	5.99	8.2	0.433	6.2
	N150 B	42	4	mg/l	12	± 0.262	10.9	13.2	0.565	4.7
Nitrit (als NO ₂)	N150 A	37	7	mg/l	0.202	± 0.00429	0.188	0.223	0.0087	4.3
	N150 B	38	6	mg/l	0.221	± 0.00474	0.2	0.247	0.00974	4.4
Orthophosphat (als PO ₄)	N150 A	28	9	mg/l	0.137	± 0.00708	0.11	0.17	0.0125	9.1
	N150 B	31	6	mg/l	0.166	± 0.00515	0.15	0.19	0.00956	5.8
pH-Wert	N150 A	46	5	-	7.77	± 0.0396	7.6	8	0.0896	1.2
	N150 B	48	3	-	7.74	± 0.0495	7.4	7.96	0.114	1.5

Parameter	Probe	Anzahl Labors für Berechnung	Anzahl Ausreißer Labors	Einheit	Mittelwert	± VB (99%)	Minimum	Maximum	sR	vR [%]
Kalium	N150 A	32	6	mg/l	2.28	± 0.0497	2.1	2.49	0.0938	4.1
	N150 B	36	2	mg/l	1.24	± 0.0423	1.04	1.39	0.0846	6.8
Natrium	N150 A	34	4	mg/l	17.7	± 0.323	16.2	19.1	0.629	3.5
	N150 B	33	5	mg/l	6.39	± 0.112	5.82	6.8	0.215	3.4
Sulfat (als SO ₄)	N150 A	34	7	mg/l	31.2	± 0.417	29.9	33.1	0.811	2.6
	N150 B	33	8	mg/l	18.3	± 0.289	17.1	19.7	0.553	3
Gesamt-P (als PO ₄)	N150 A	28	6	mg/l	1.48	± 0.0427	1.3	1.61	0.0754	5.1
	N150 B	29	5	mg/l	0.7	± 0.0273	0.595	0.82	0.049	7
Gesamthärte	N150 A	30	7	mmol/l	2.48	± 0.0542	2.25	2.69	0.099	4
	N150 B	31	5	mmol/l	1.68	± 0.033	1.59	1.83	0.0613	3.7
Gesamtstickstoff	N150 A	20	3	mg/l	1.75	± 0.0711	1.59	2	0.106	6.1
	N150 B	22	1	mg/l	3.09	± 0.134	2.8	3.47	0.21	6.8

E1. Description of the proficiency test

E1.1. Design and implementation

- Number of registrations: 57
- Number of submitted data records: 56
- Dispatch of samples: 11th February 2020
- Closing date for submission of data: 10th March 2020

The results were submitted electronically through 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 assigned a laboratory code on a random basis.

E1.2. Description of the proficiency test items

The sampling of the ground water was carried out on 7th February 2020 and the sampling of the surface water was carried out on 6th February 2020.

The following samples were made available:

- 1 sample ground water (N150 A)
- 1 sample surface water (N150 B)

Both samples were filtered using 0.45 µm membrane disc filters and stored at < 4 °C until further processing. The samples were partly spiked with specific substances.

The samples were filled into bottles under continuous stirring (stirring vessel) and stabilized by cooling and by addition of hydrochloric acid to pH < 2 (for DOC only), respectively.

The homogeneous proficiency test items were dispatched on 11th February 2020.

Each participant received:

- 2 samples each 1250 ml, filled in 2 x 500 ml PET bottles and 1 x 250 ml LDPE bottles (for DOC) respectively.

E1.3. Instructions for the participants

For reasons of stability, it was recommended to start the analysis by the 19th February 2020 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.

E1.4. Control testing for homogeneity evaluation

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

The determination of all parameters was performed at an external laboratory (accredited by EN ISO/IEC 17025) in subcontract (anonymous submission) and testing was performed close to the time of sample dispatch.

During evaluation, the relative standard deviation between the individual results of the control test samples was assessed and compared with the reproducibility standard deviation of the current proficiency test.

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

E1.5. Trend test for stability evaluation

The evaluation of stability of the proficiency test items was performed using data statistics of previous results of proficiency testing rounds for real water samples during the period 2013 to 2019.

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 participant 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 for real water samples from 2013 to 2019 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 10th March 2020. 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,...) 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 DIN 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 of 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 assurance, the participants can compare their results to the control test values.

E2. Criteria of performance evaluation

E2.1. Performance criterion z-Score

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

z-Scores were calculated based on the following formula:

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

In this context,

x_i	is the measurement value (result) of the participating laboratory
\bar{X}	assigned value the target value for the assessment of the performance of the participants (3 significant digits), normally the average value of the participants' results after removal of outliers; if this approach is not applicable, the target value is assigned according to the procedure given in section E4
Criteria	is the reproducibility standard deviation calculated from previous rounds for proficiency testing for real water samples from 2013 to 2019 (as RSD pooled) or from the participants' results after removal of outliers (sR) in the current round (if less than 6 previous rounds for the parameters of real water samples A and B are available).

Where justified (e.g. results for real water samples are close to minimum quantification limit or in case of regulatory requirements) the criteria is defined by expert judgement and the procedure is clearly described in section E4 of the report.

E2.2. Performance criterion E_n-Score

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

E_n-Scores were calculated based on the following formula:

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

In this context,

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

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

Interpretation of z-Scores:

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

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

Interpretation of E_n-Scores:

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

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

E3. Representation and interpretation of measurement results

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

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

The tables also contain the evaluation basis such as the assigned values including 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 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 7 proficiency testing rounds (2013 - 2019) in real samples, evaluation criteria (RSDpool) were calculated. These criteria were compared with the relative reproducibility standard deviation (sR) of the current proficiency testing.

Parameters boron, nitrate, orthophosphate, pH-value and total nitrogen sample N150 A and parameters boron, orthophosphate, sodium and total nitrogen sample N150 B: The assigned values calculated based on the participant results were outside the measurement uncertainty of the control 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. µg/l)
Assigned value	Target value for proficiency assessment of the participants (3 significant digits)
U (k=2)	Expanded uncertainty (k=2) of the assigned value (3 significant digits)
Criterion	Specified value for the determination of the z-score in the given unit (3 significant digits)
Criterion [%]	Specified value for the determination of the z-score in % of the assigned value (3 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)
sR	Reproducibility standard deviation, calculated from the participants results, after removal of outliers (3 significant digits)
vR [%]	Reproducibility standard deviation, calculated from the participants results relative to the target value, given in %, after removal of outliers (2 significant digits)
Control test value ± U (k=2)	Mean of control test value ± expanded measurement uncertainty (3 significant digits)
Labcode	Laboratory identifier (anonymized)
Result ± U	Result as indicated by participant (max. 5 decimal places) uncertainty 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)

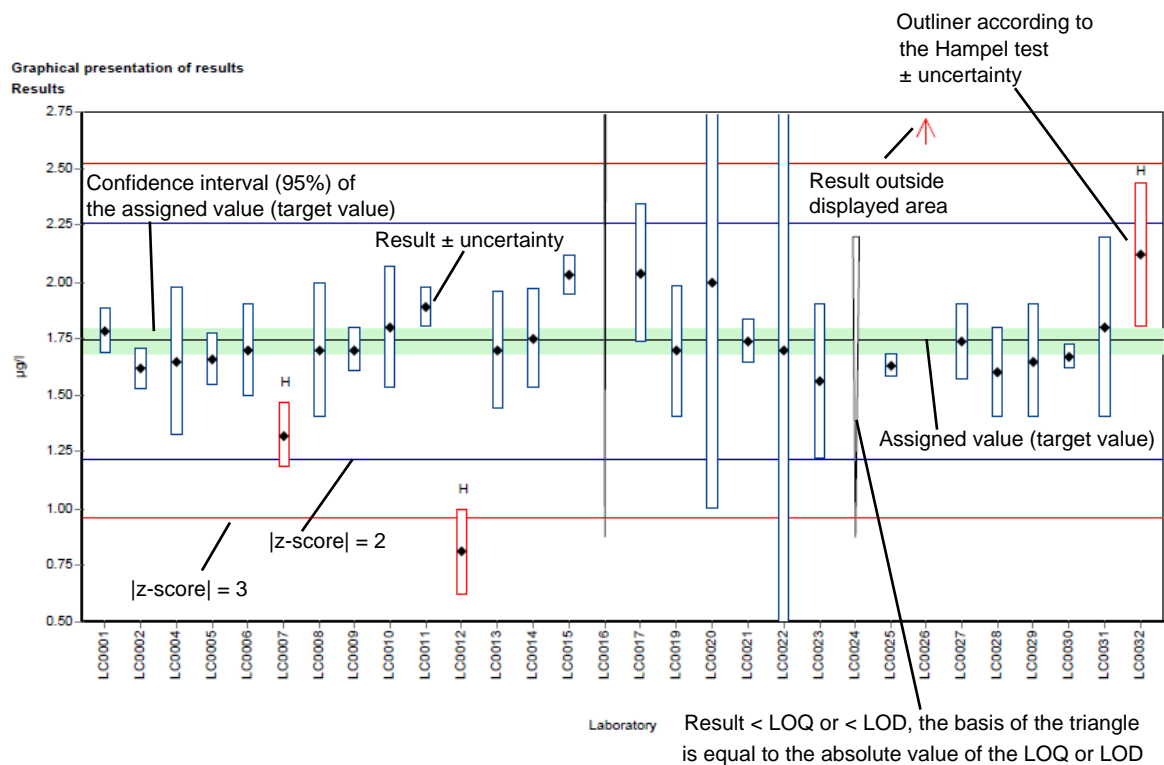
Rel. standard deviation Reproducibility standard deviation, calculated from the participants results relative to the target value, given in %, (3 significant digits)

n Number of results

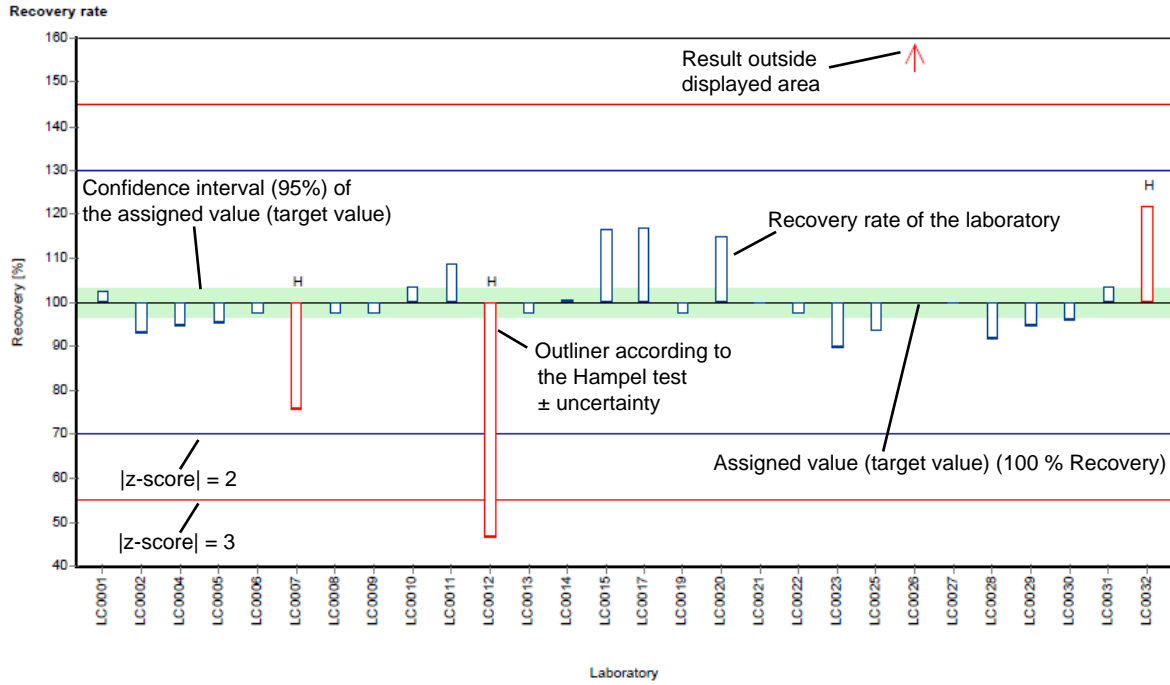
E5.2. Graphical presentation of results

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

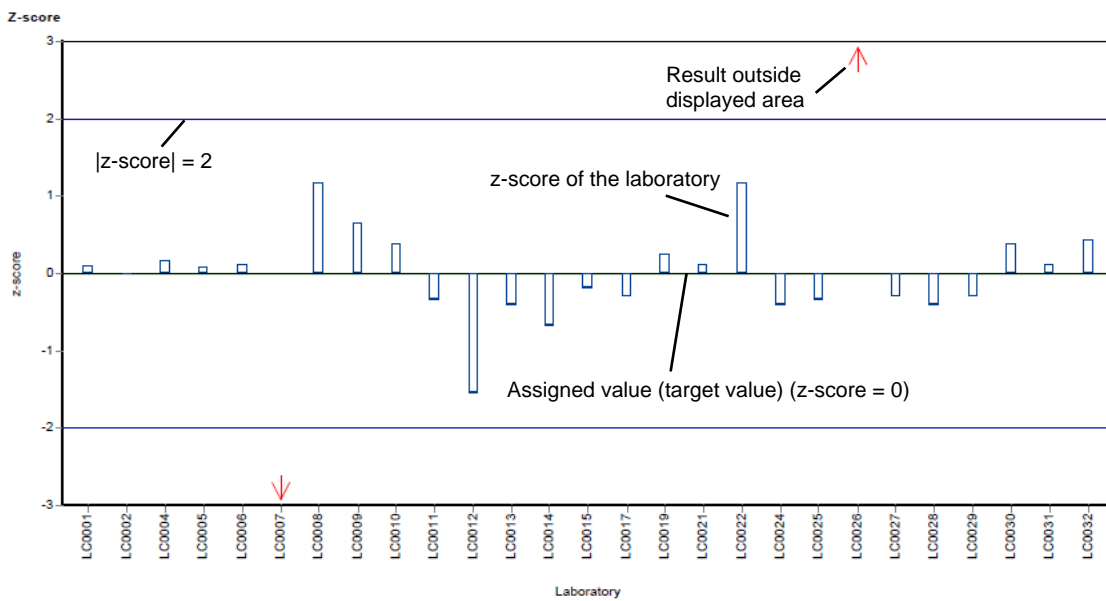
Example chart: Results



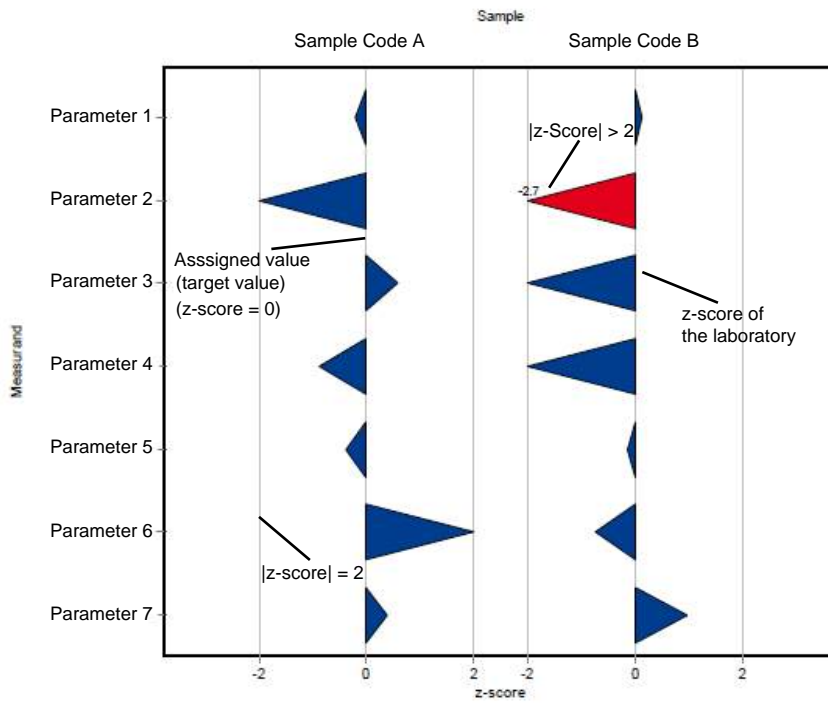
Example chart: Recovery



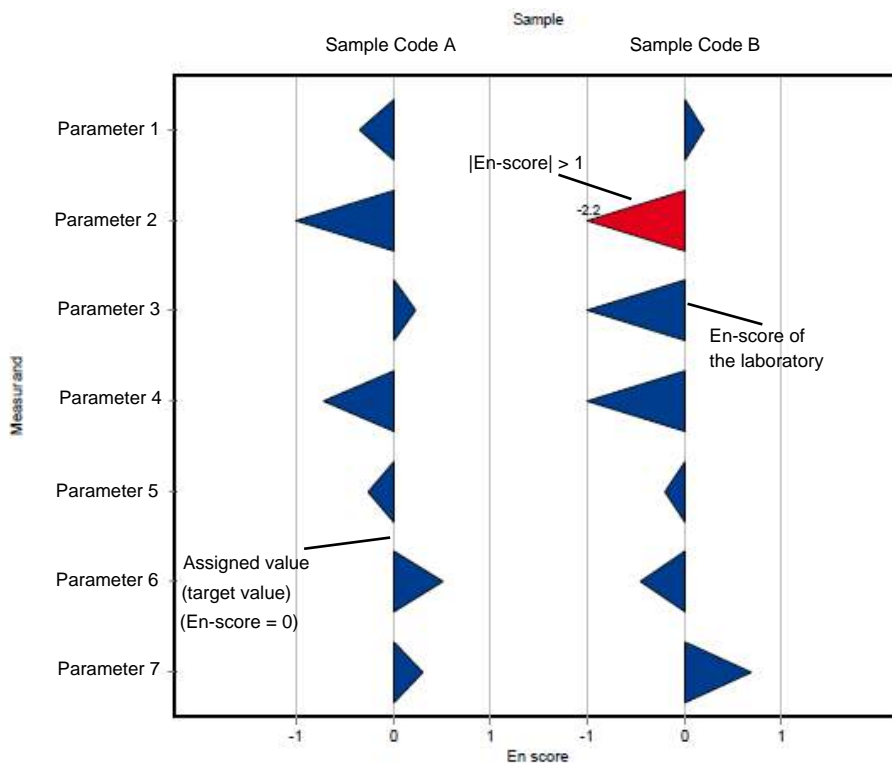
Example chart: z-score



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 [%]
Alkalinity Ks 4,3	N150 A	mmol/l	4.1 ±	0.0162	0.0821	2
	N150 B	mmol/l	2.74 ±	0.0137	0.0547	2
Ammonium (as NH ₄)	N150 A	mg/l	0.0588 ±	0.0023	0.00706	12
	N150 B	mg/l	0.321 ±	0.00634	0.0385	12
Boron	N150 A	mg/l	0.0209 ±	0.000944	0.0023	11
	N150 B	mg/l	0.00948 ±	0.00044	0.00104	11
Calcium	N150 A	mg/l	71.6 ±	0.691	2.22	3.1
	N150 B	mg/l	48.2 ±	0.463	1.5	3.1
Chloride	N150 A	mg/l	31 ±	0.209	1.24	4
	N150 B	mg/l	11.5 ±	0.13	0.459	4
DOC (as C)	N150 A	mg/l	1.85 ±	0.0645	0.185	10
	N150 B	mg/l	2.45 ±	0.0593	0.245	10
El. conductivity (25°C)	N150 A	µS/cm	545 ±	2.62	7.09	1.3
	N150 B	µS/cm	350 ±	1.44	4.56	1.3
Hydrogen carbonate	N150 A	mg/l	249 ±	1.82	4.99	2
	N150 B	mg/l	165 ±	1.09	3.3	2
Magnesium	N150 A	mg/l	16.2 ±	0.207	0.648	4
	N150 B	mg/l	10.9 ±	0.149	0.435	4
Nitrate (as NO ₃)	N150 A	mg/l	7.06 ±	0.16	0.353	5
	N150 B	mg/l	12 ±	0.174	0.601	5
Nitrite (as NO ₂)	N150 A	mg/l	0.202 ±	0.00286	0.0107	5.3
	N150 B	mg/l	0.221 ±	0.00316	0.0117	5.3
Orthophosphate (as PO ₄)	N150 A	mg/l	0.137 ±	0.00441	0.0123	9
	N150 B	mg/l	0.166 ±	0.00363	0.0149	9
pH-value	N150 A	-	7.77 ±	0.027	0.155	2
	N150 B	-	7.74 ±	0.033	0.155	2
Potassium	N150 A	mg/l	2.28 ±	0.0331	0.118	5.2
	N150 B	mg/l	1.24 ±	0.0282	0.0644	5.2
Sodium	N150 A	mg/l	17.7 ±	0.216	0.602	3.4
	N150 B	mg/l	6.39 ±	0.087	0.217	3.4
Sulfate (as SO ₄)	N150 A	mg/l	31.2 ±	0.278	1.03	3.3
	N150 B	mg/l	18.3 ±	0.193	0.603	3.3
Total-P (as PO ₄)	N150 A	mg/l	1.48 ±	0.0285	0.111	7.5
	N150 B	mg/l	0.7 ±	0.0182	0.0525	7.5
Total hardness	N150 A	mmol/l	2.48 ±	0.0362	0.0745	3
	N150 B	mmol/l	1.68 ±	0.022	0.0504	3
Total nitrogen	N150 A	mg/l	1.76 ±	0.0577	0.146	8.3
	N150 B	mg/l	3.1 ±	0.101	0.258	8.3

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 [%]
Alkalinity Ks 4,3	N150 A	40	3	mmol/l	4.1	± 0.0243	3.98	4.22	0.0513	1.3
	N150 B	38	4	mmol/l	2.74	± 0.0206	2.65	2.83	0.0423	1.5
Ammonium (as NH ₄)	N150 A	31	7	mg/l	0.0588	± 0.00346	0.048	0.077	0.00641	11
	N150 B	34	6	mg/l	0.321	± 0.00951	0.282	0.37	0.0185	5.8
Boron	N150 A	23	4	mg/l	0.0209	± 0.00124	0.018	0.026	0.00198	9.5
	N150 B	19	2	mg/l	0.00956	± 0.000582	0.0074	0.011	0.000845	8.8
Calcium	N150 A	33	6	mg/l	71.6	± 1.04	66.4	75.2	1.98	2.8
	N150 B	34	5	mg/l	48.2	± 0.695	45.3	52.2	1.35	2.8
Chloride	N150 A	42	2	mg/l	31	± 0.313	29.2	32.3	0.676	2.2
	N150 B	44	0	mg/l	11.5	± 0.196	10.2	12.7	0.432	3.8
DOC (as C)	N150 A	34	4	mg/l	1.85	± 0.0967	1.45	2.31	0.188	10
	N150 B	34	4	mg/l	2.45	± 0.0889	2.02	2.78	0.173	7.1
El. conductivity (25°C)	N150 A	46	4	µS/cm	545	± 3.92	521	564	8.87	1.6
	N150 B	45	6	µS/cm	350	± 2.16	337	360	4.83	1.4
Hydrogen carbonate	N150 A	32	1	mg/l	249	± 2.73	240	262	5.15	2.1
	N150 B	28	4	mg/l	165	± 1.64	159	171	2.89	1.7
Magnesium	N150 A	35	4	mg/l	16.2	± 0.311	15.2	17.9	0.612	3.8
	N150 B	35	4	mg/l	10.9	± 0.223	10.2	12.2	0.44	4
Nitrate (as NO ₃)	N150 A	43	3	mg/l	7.03	± 0.198	5.99	8.2	0.433	6.2
	N150 B	42	4	mg/l	12	± 0.262	10.9	13.2	0.565	4.7
Nitrite (as NO ₂)	N150 A	37	7	mg/l	0.202	± 0.00429	0.188	0.223	0.0087	4.3
	N150 B	38	6	mg/l	0.221	± 0.00474	0.2	0.247	0.00974	4.4
Orthophosphate (as PO ₄)	N150 A	28	9	mg/l	0.137	± 0.00708	0.11	0.17	0.0125	9.1
	N150 B	31	6	mg/l	0.166	± 0.00515	0.15	0.19	0.00956	5.8
pH-value	N150 A	46	5	-	7.77	± 0.0396	7.6	8	0.0896	1.2
	N150 B	48	3	-	7.74	± 0.0495	7.4	7.96	0.114	1.5
Potassium	N150 A	32	6	mg/l	2.28	± 0.0497	2.1	2.49	0.0938	4.1

Parameter	Sample	Number of results for calculation	Number of outliers	Unit	Mean	± CI (99%)	Minimum	Maximum	sR	vR [%]
Potassium	N150 B	36	2	mg/l	1.24	± 0.0423	1.04	1.39	0.0846	6.8
Sodium	N150 A	34	4	mg/l	17.7	± 0.323	16.2	19.1	0.629	3.5
	N150 B	33	5	mg/l	6.39	± 0.112	5.82	6.8	0.215	3.4
Sulfate (as SO ₄)	N150 A	34	7	mg/l	31.2	± 0.417	29.9	33.1	0.811	2.6
	N150 B	33	8	mg/l	18.3	± 0.289	17.1	19.7	0.553	3
Total-P (as PO ₄)	N150 A	28	6	mg/l	1.48	± 0.0427	1.3	1.61	0.0754	5.1
	N150 B	29	5	mg/l	0.7	± 0.0273	0.595	0.82	0.049	7
Total hardness	N150 A	30	7	mmol/l	2.48	± 0.0542	2.25	2.69	0.099	4
	N150 B	31	5	mmol/l	1.68	± 0.033	1.59	1.83	0.0613	3.7
Total nitrogen	N150 A	20	3	mg/l	1.75	± 0.0711	1.59	2	0.106	6.1
	N150 B	22	1	mg/l	3.09	± 0.134	2.8	3.47	0.21	6.8

E7. Parameterorientierte Auswertung / Parameter oriented report

Alkalinity Ks 4,3	33
Ammonium (as NH ₄)	43
Boron	53
Calcium.....	63
Chloride	73
DOC (as C).....	83
El. conductivity (25°C)	93
Hydrogen carbonate	103
Magnesium	113
Nitrate (as NO ₃)	123
Nitrite (as NO ₂).....	133
Orthophosphate (as PO ₄).....	143
pH-value	153
Potassium.....	163
Sodium	173
Sulfate (as SO ₄).....	283
Total-P (as PO ₄).....	293
Total hardness.....	203
Total nitrogen.....	213

Parameter oriented report

N150 A

Alkalinity Ks 4,3

Unit	mmol/l
Assigned value ± U (k=2)	4.1 ± 0.0162
Criterion	0.0821 (2 %)
Minimum - Maximum	3.98 - 4.22
Control test value ± U (k=2)	4.05 ± 0.081

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	4.13	0.214	101	0.31	
LC0002	4.13	0.2	101	0.31	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	4.1	0.2	99.9	-0.05	
LC0006	4.02	0.603	97.9	-1.03	
LC0007	3.85	0.02	93.8	-3.1	H
LC0008	4.13	0.41	101	0.31	
LC0009	-	-	-	-	
LC0010	3.98	0.02	97	-1.52	
LC0011	4.1	0.32	99.9	-0.05	
LC0012	4.06	-	98.9	-0.54	
LC0013	-	-	-	-	
LC0014	-	-	-	-	
LC0015	4.157	0.36	101	0.64	
LC0016	4.12	0.41	100	0.19	
LC0017	4.1	0.3	99.9	-0.05	
LC0018	4.1	0.003	99.9	-0.05	
LC0019	4.2	0.2	102	1.16	
LC0020	-	-	-	-	
LC0021	4.15	0.03	101	0.56	
LC0022	4.028	0.279	98.1	-0.93	
LC0023	4.09	0.16	99.6	-0.18	
LC0024	4.17	0.1	102	0.8	
LC0025	4.03	0.2	98.2	-0.91	
LC0026	2.85	0.1	69.4	-15.3	H
LC0027	4.09	0.4	99.6	-0.18	
LC0028	4.11	0.05	100	0.07	
LC0029	4.1	0.2	99.9	-0.05	
LC0030	4.05	0.4	98.7	-0.66	
LC0031	4.135	0.128	101	0.37	
LC0032	4.16	0.04	101	0.68	
LC0033	4.1	0.2	99.9	-0.05	
LC0034	4.1	0.13	99.9	-0.05	
LC0035	4.02	0.2	97.9	-1.03	
LC0036	4.11	0.32	100	0.07	
LC0037	-	-	-	-	
LC0038	-	-	-	-	
LC0039	4.06	0.4	98.9	-0.54	
LC0040	-	-	-	-	
LC0041	-	-	-	-	

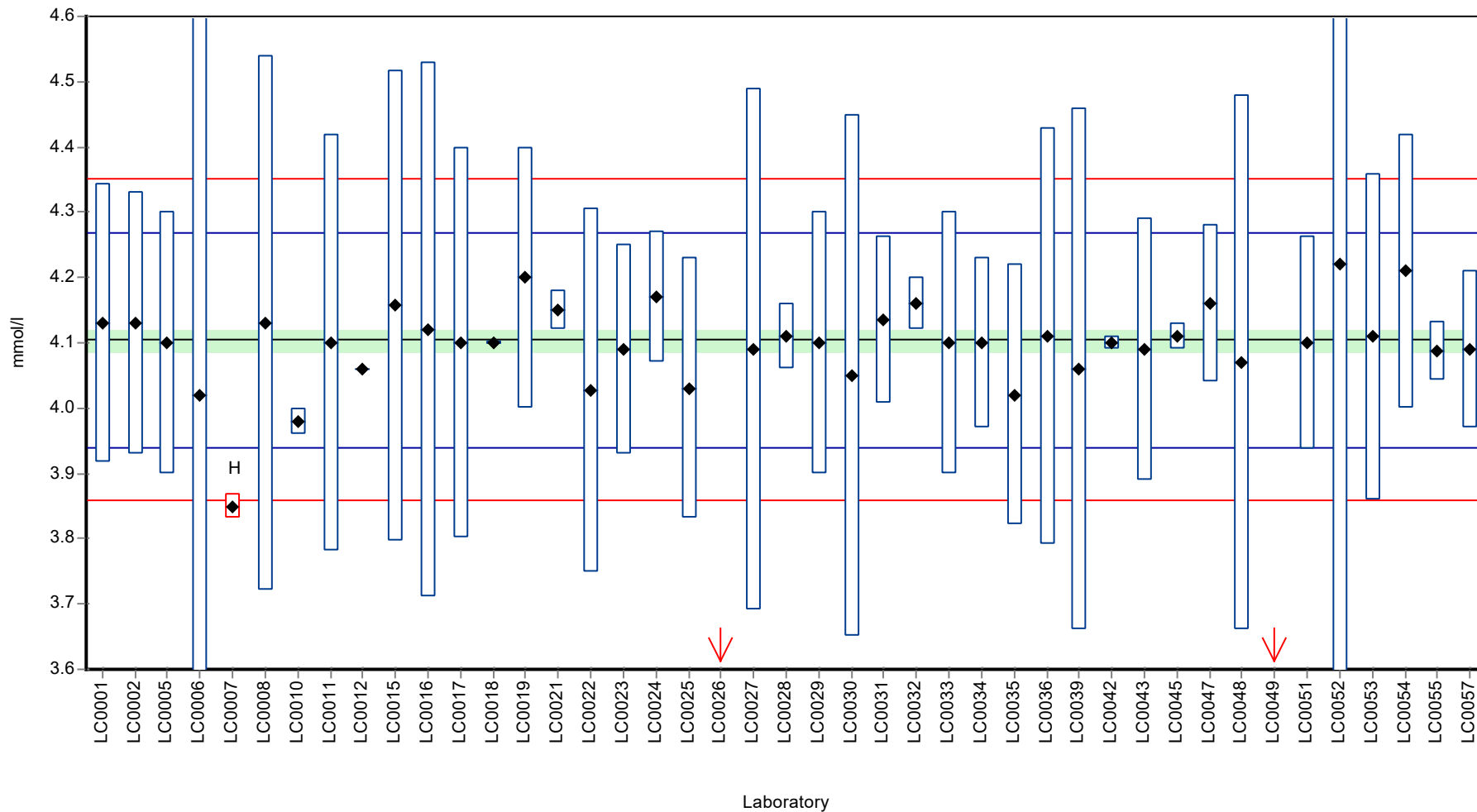
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	4.1	0.01	99.9	-0.05	
LC0043	4.09	0.2	99.6	-0.18	
LC0044	-	-	-	-	
LC0045	4.11	0.0206	100	0.07	
LC0046	-	-	-	-	
LC0047	4.16	0.12	101	0.68	
LC0048	4.07	0.41	99.2	-0.42	
LC0049	1.81	0.2	44.1	-28	H
LC0050	-	-	-	-	
LC0051	4.1	0.164	99.9	-0.05	
LC0052	4.22	0.63	103	1.41	
LC0053	4.11	0.25	100	0.07	
LC0054	4.21	0.21	103	1.29	
LC0055	4.087	0.045	99.6	-0.21	
LC0056	-	-	-	-	
LC0057	4.09	0.12	99.6	-0.18	

Characteristics of parameter

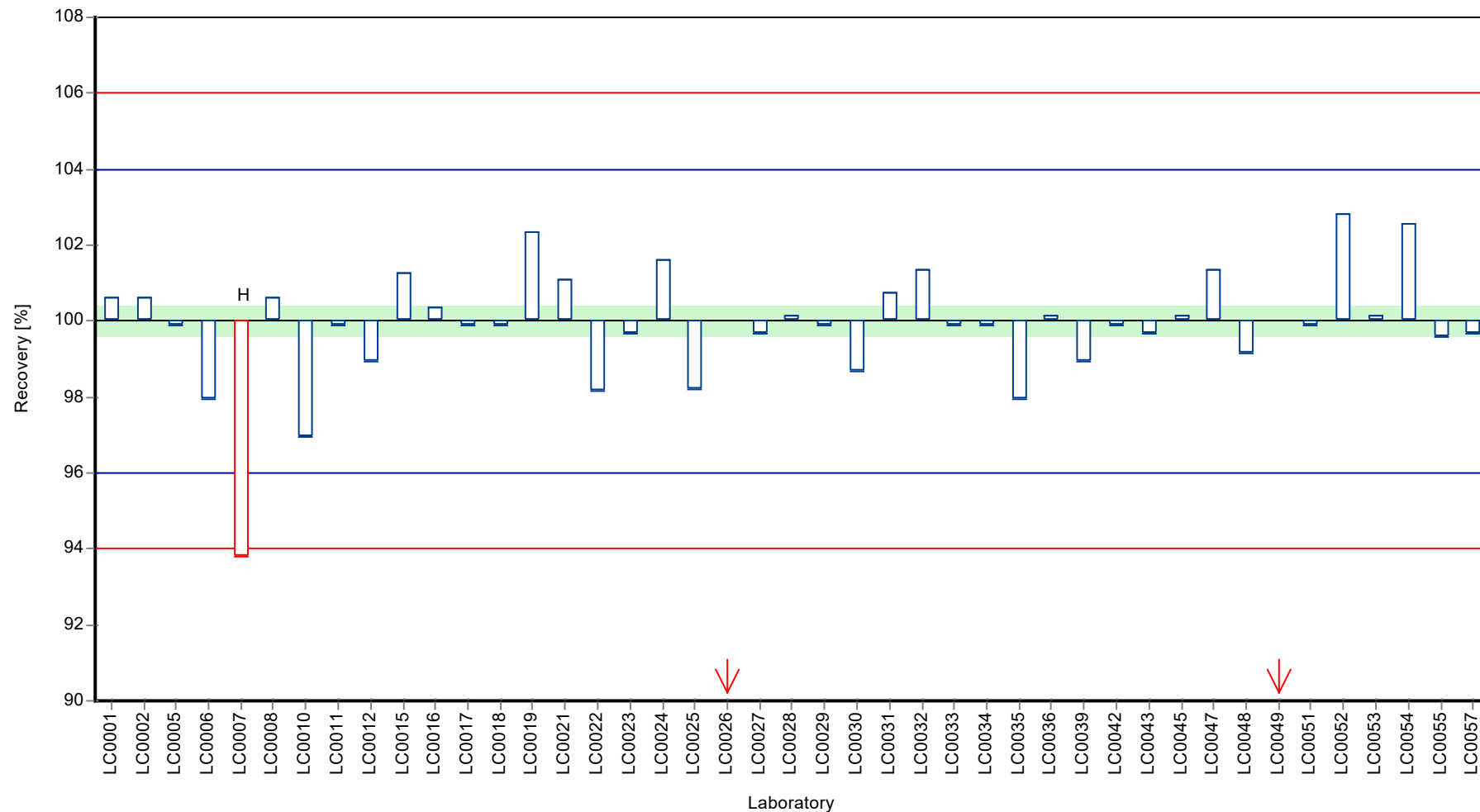
	all results	without outliers	Unit
Mean ± CI (99%)	4.02 ± 0.182	4.1 ± 0.0243	mmol/l
Minimum	1.81	3.98	mmol/l
Maximum	4.22	4.22	mmol/l
Standard deviation	0.398	0.0513	mmol/l
rel. standard deviation	9.92	1.25	%
n	43	40	-

Graphical presentation of results

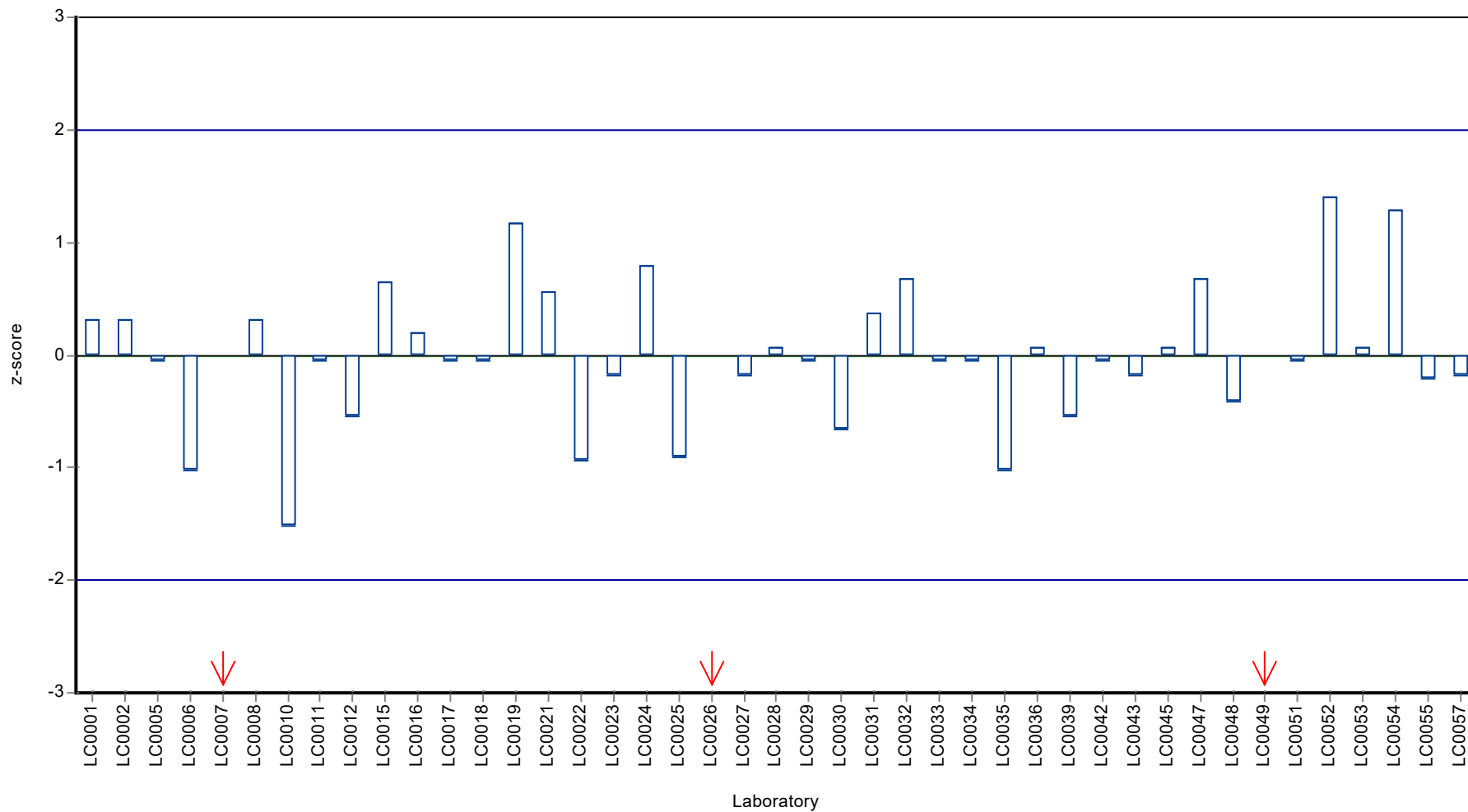
Results



Recovery rate



Z-score



Parameter oriented report

N150 B

Alkalinity Ks 4,3

Unit	mmol/l
Assigned value ± U (k=2)	2.74 ± 0.0137
Criterion	0.0547 (2 %)
Minimum - Maximum	2.65 - 2.83
Control test value ± U (k=2)	2.69 ± 0.0538

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	2.69	0.14	98.4	-0.82	
LC0002	2.73	0.14	99.8	-0.09	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	2.7	0.13	98.7	-0.64	
LC0006	2.67	0.401	97.6	-1.19	
LC0007	2.505	0.013	91.6	-4.21	H
LC0008	2.74	0.27	100	0.09	
LC0009	-	-	-	-	
LC0010	2.65	0.012	96.9	-1.55	
LC0011	-	-	-	-	
LC0012	2.69	-	98.4	-0.82	
LC0013	-	-	-	-	
LC0014	-	-	-	-	
LC0015	2.779	0.24	102	0.8	
LC0016	2.77	0.28	101	0.64	
LC0017	2.7	0.2	98.7	-0.64	
LC0018	2.73	0.005	99.8	-0.09	
LC0019	2.83	0.14	103	1.74	
LC0020	-	-	-	-	
LC0021	2.79	0.02	102	1.01	
LC0022	2.688	0.195	98.3	-0.86	
LC0023	2.71	0.11	99.1	-0.46	
LC0024	2.806	0.1	103	1.3	
LC0025	2.73	0.2	99.8	-0.09	
LC0026	2	0.1	73.1	-13.4	H
LC0027	2.7	0.27	98.7	-0.64	
LC0028	2.73	0.05	99.8	-0.09	
LC0029	2.7	0.2	98.7	-0.64	
LC0030	2.74	0.27	100	0.09	
LC0031	2.795	0.087	102	1.1	
LC0032	2.76	0.007	101	0.46	
LC0033	2.73	0.1	99.8	-0.09	
LC0034	2.72	0.1	99.5	-0.28	
LC0035	2.74	0.14	100	0.09	
LC0036	2.75	0.21	101	0.27	
LC0037	-	-	-	-	
LC0038	-	-	-	-	
LC0039	2.69	0.27	98.4	-0.82	
LC0040	-	-	-	-	
LC0041	-	-	-	-	

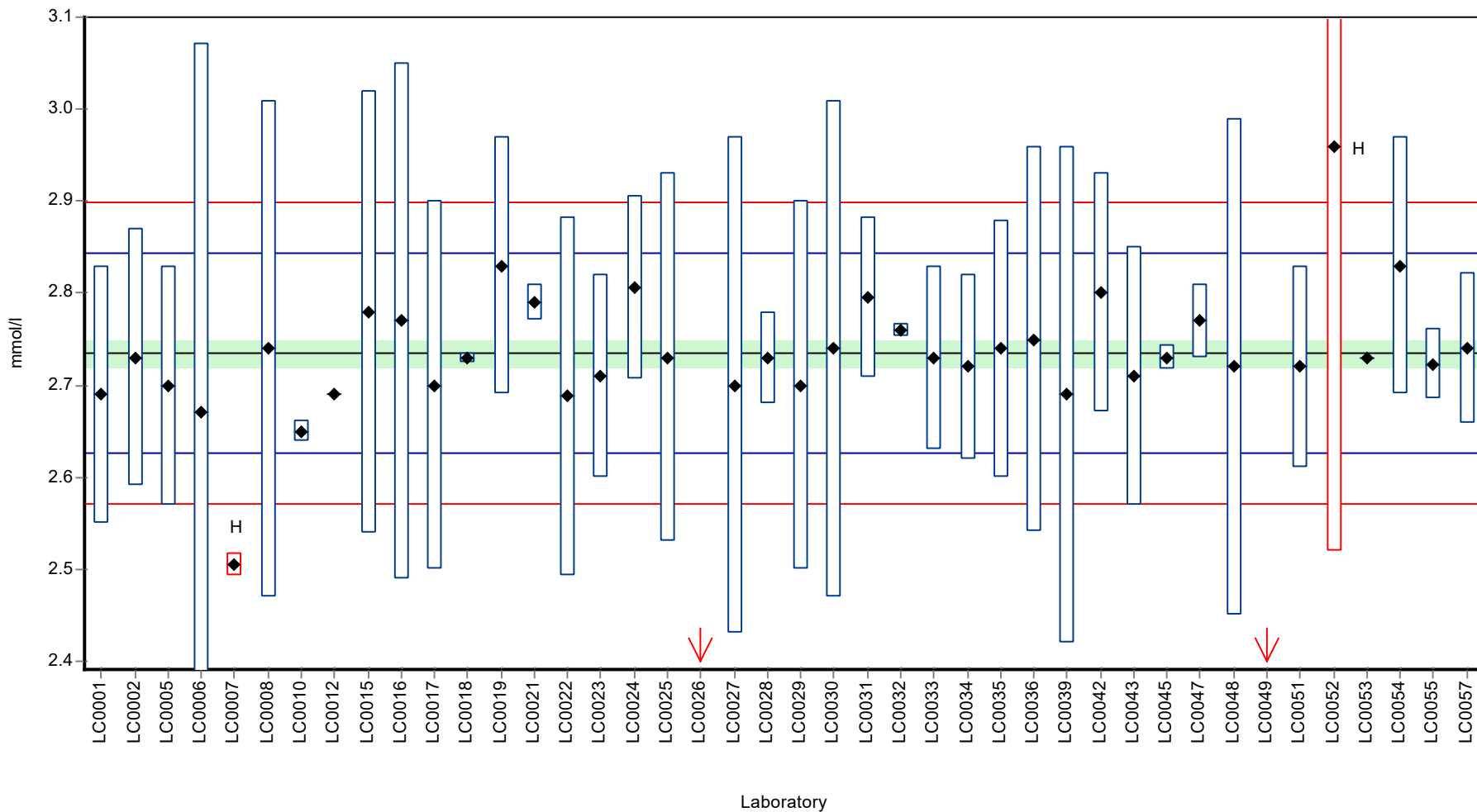
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	2.8	0.13	102	1.19	
LC0043	2.71	0.14	99.1	-0.46	
LC0044	-	-	-	-	
LC0045	2.73	0.0137	99.8	-0.09	
LC0046	-	-	-	-	
LC0047	2.77	0.04	101	0.64	
LC0048	2.72	0.27	99.5	-0.28	
LC0049	1.31	0.1	47.9	-26.1	H
LC0050	-	-	-	-	
LC0051	2.72	0.109	99.5	-0.28	
LC0052	2.96	0.44	108	4.11	H
LC0053	2.73	0.001	99.8	-0.09	
LC0054	2.83	0.14	103	1.74	
LC0055	2.723	0.038	99.6	-0.22	
LC0056	-	-	-	-	
LC0057	2.74	0.082	100	0.09	

Characteristics of parameter

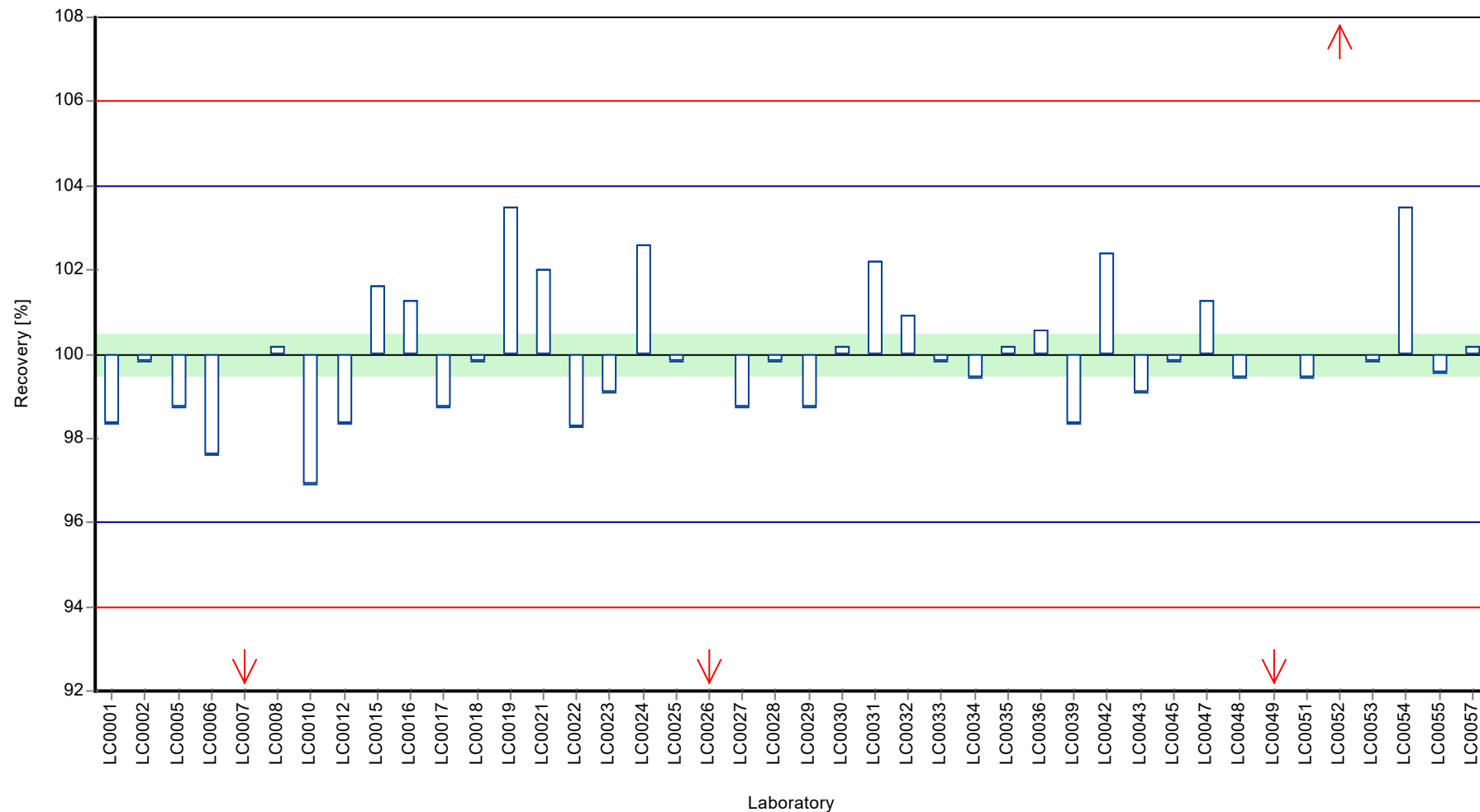
	all results	without outliers	Unit
Mean ± CI (99%)	2.68 ± 0.117	2.74 ± 0.0206	mmol/l
Minimum	1.31	2.65	mmol/l
Maximum	2.96	2.83	mmol/l
Standard deviation	0.253	0.0423	mmol/l
rel. standard deviation	9.44	1.55	%
n	42	38	-

Graphical presentation of results

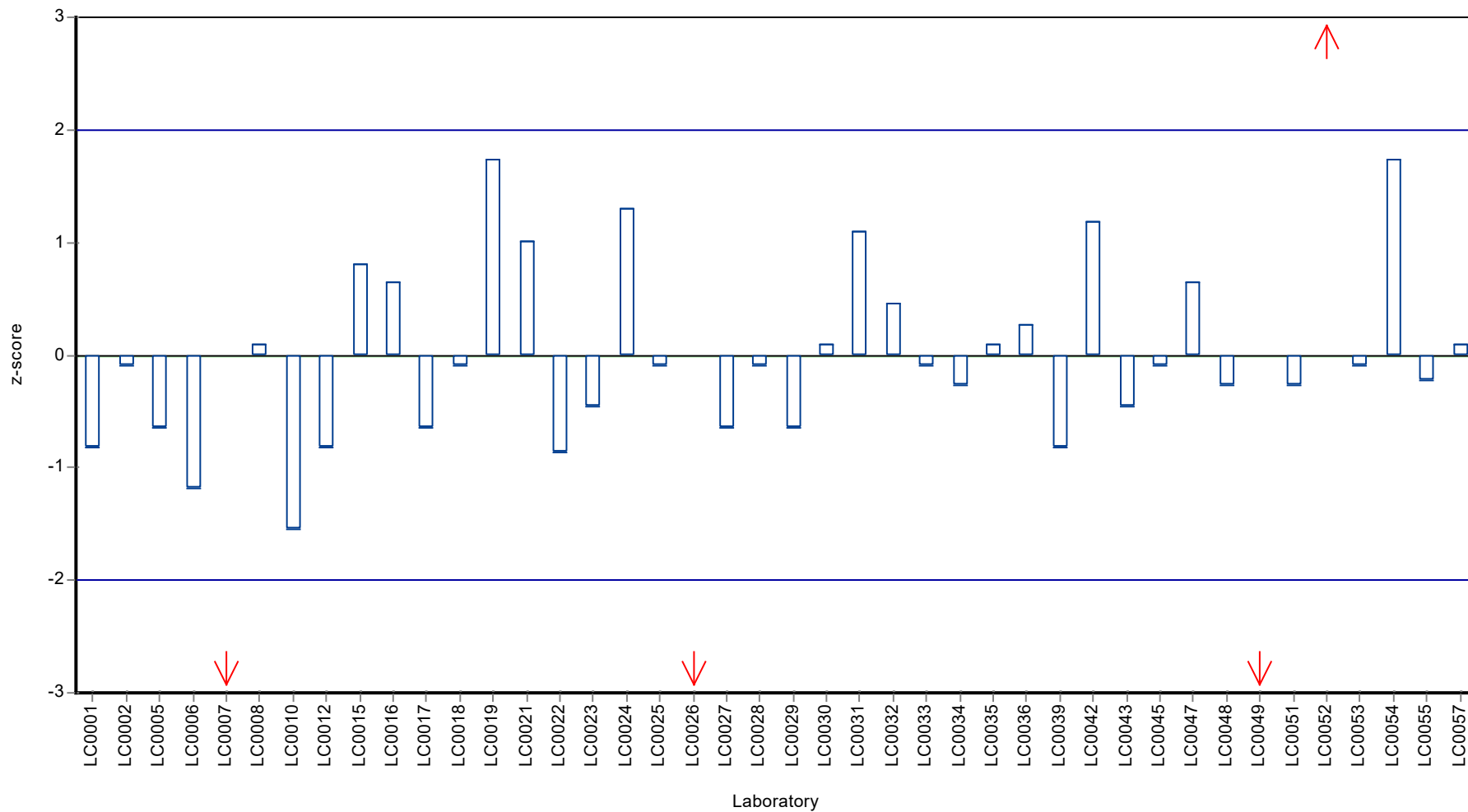
Results



Recovery rate



Z-score



Parameter oriented report

N150 A

Ammonium (as NH₄)

Unit	mg/l
Assigned value ± U (k=2)	0.0588 ± 0.0023
Criterion	0.00706 (12 %)
Minimum - Maximum	0.048 - 0.077
Control test value ± U (k=2)	0.0582 ± 0.00408

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	0.048	0.003	81.7	-1.53	
LC0004	-	-	-	-	
LC0005	0.0584	0.0041	99.4	-0.05	
LC0006	0.053	0.0053	90.2	-0.82	
LC0007	-	-	-	-	
LC0008	0.094	0.033	160	4.99	H
LC0009	0.06	0.01	102	0.17	
LC0010	0.0593	0.0014	101	0.07	
LC0011	0.1	0.03	170	5.84	H
LC0012	-	-	-	-	
LC0013	-	-	-	-	
LC0014	0.058	0.009	98.7	-0.11	
LC0015	0.062	0.002	105	0.46	
LC0016	0.051	0.004	86.8	-1.1	
LC0017	0.063	0.02	107	0.6	
LC0018	0.058	0.013	98.7	-0.11	
LC0019	0.057	0.01	97	-0.25	
LC0020	-	-	-	-	
LC0021	0.058	0.003	98.7	-0.11	
LC0022	0.052	0.01	88.5	-0.96	
LC0023	0.059	0.008	100	0.03	
LC0024	0.774	0.003	1320	101	H
LC0025	0.049	0.004	83.4	-1.39	
LC0026	0.077	0.011	131	2.58	
LC0027	0.056	0.006	95.3	-0.39	
LC0028	-	-	-	-	
LC0029	0.07	0.02	119	1.59	
LC0030	0.067	0.007	114	1.16	
LC0031	0.056	0.009	95.3	-0.39	
LC0032	0.066	0.007	112	1.02	
LC0033	0.056	0.009	95.3	-0.39	
LC0034	0.0593	0.0023	101	0.07	
LC0035	0.15	0.023	255	12.9	H
LC0036	< 0.1 (LOQ)	-	-	-	
LC0037	< 0.064 (LOQ)	-	-	-	
LC0038	-	-	-	-	
LC0039	0.141	0.04	240	11.6	H
LC0040	-	-	-	-	
LC0041	-	-	-	-	

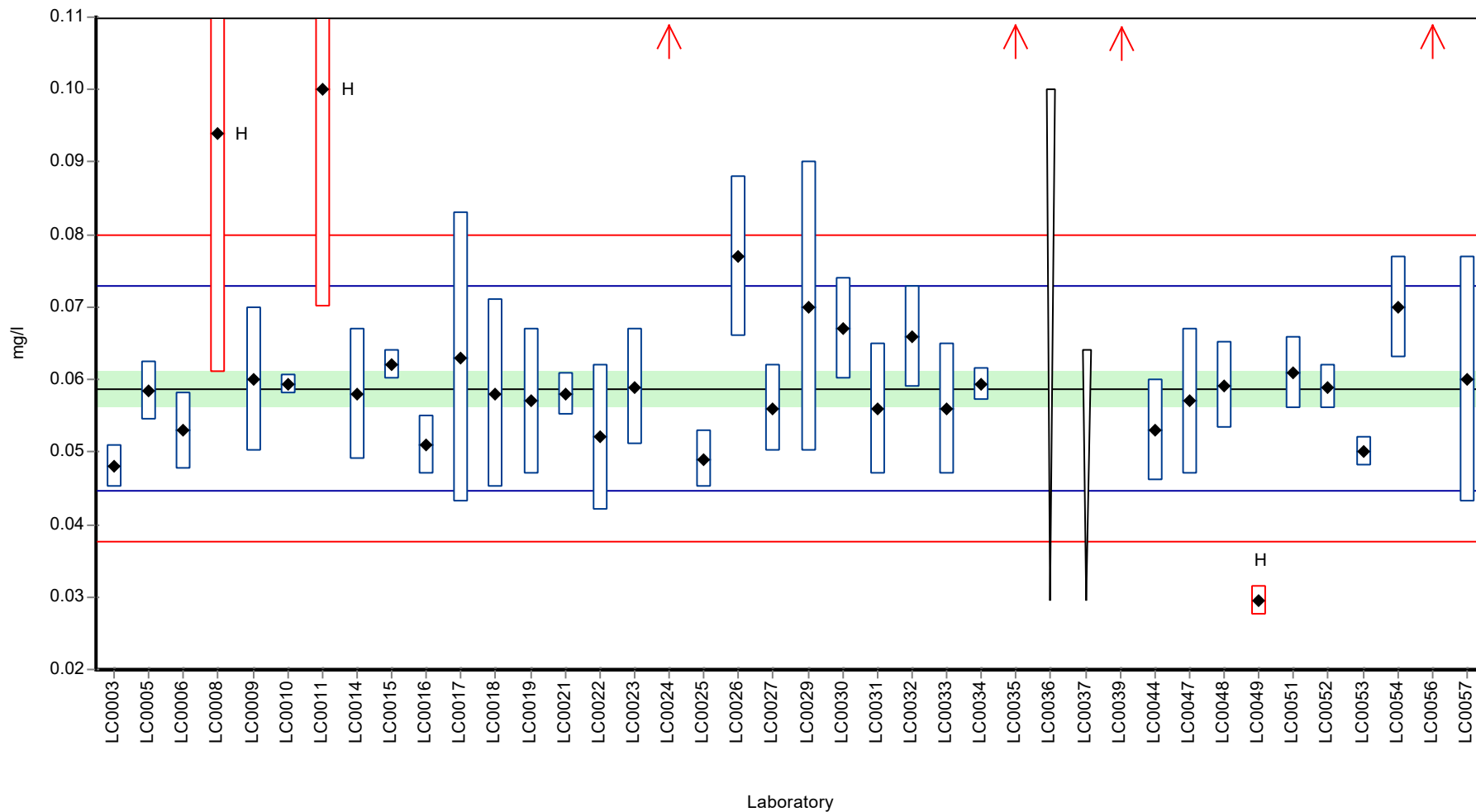
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	-	-	-	-	
LC0043	-	-	-	-	
LC0044	0.053	0.007	90.2	-0.82	
LC0045	-	-	-	-	
LC0046	-	-	-	-	
LC0047	0.057	0.01	97	-0.25	
LC0048	0.0592	0.006	101	0.06	
LC0049	0.02945	0.002	50.1	-4.15	H
LC0050	-	-	-	-	
LC0051	0.061	0.005	104	0.31	
LC0052	0.059	0.003	100	0.03	
LC0053	0.05	0.002	85.1	-1.24	
LC0054	0.07	0.007	119	1.59	
LC0055	-	-	-	-	
LC0056	0.13	0.02	221	10.1	H
LC0057	0.06	0.017	102	0.17	

Characteristics of parameter

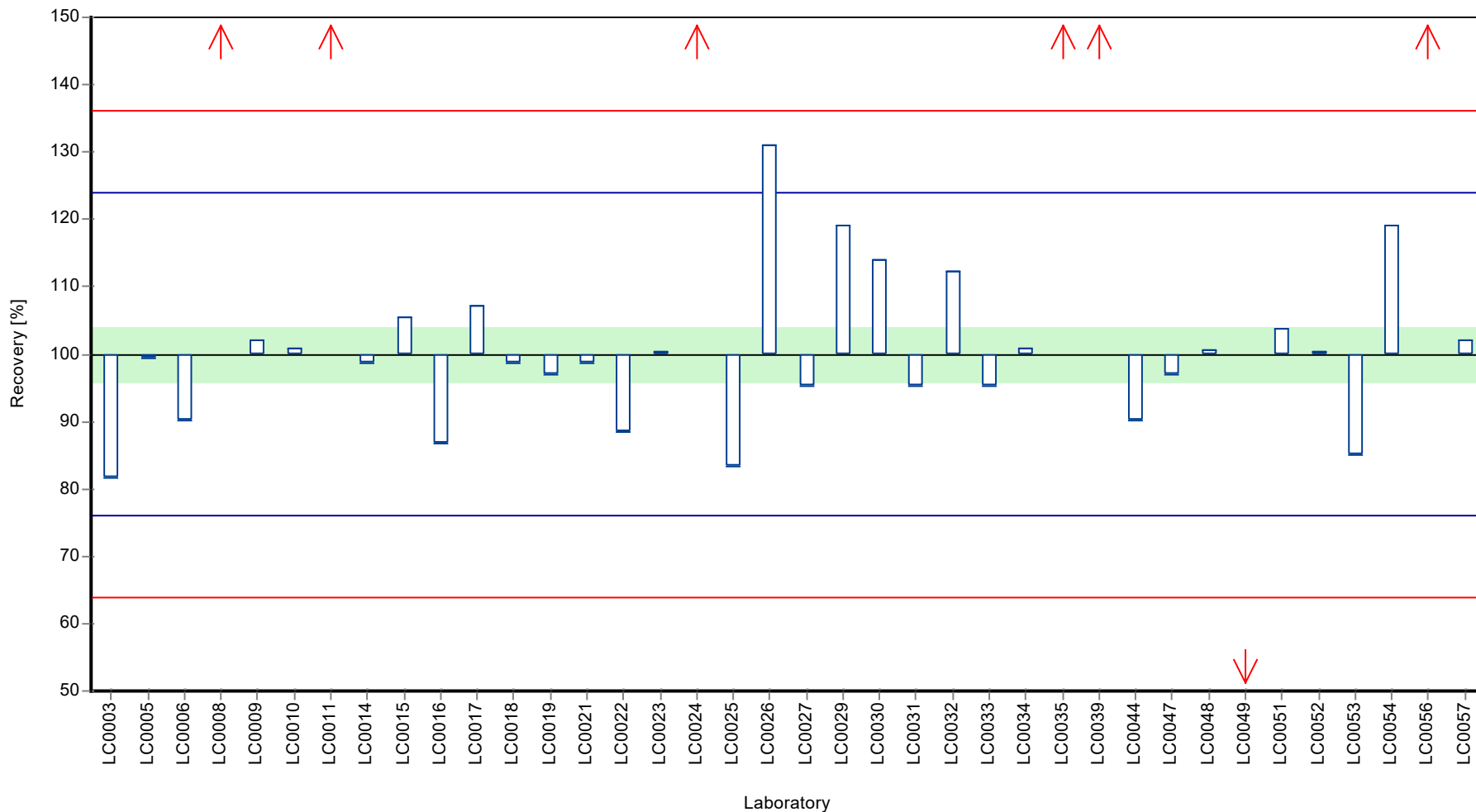
	all results	without outliers	Unit
Mean ± CI (99%)	0.0853 ± 0.0571	0.0588 ± 0.00346	mg/l
Minimum	0.0295	0.048	mg/l
Maximum	0.774	0.077	mg/l
Standard deviation	0.117	0.00641	mg/l
rel. standard deviation	138	10.9	%
n	38	31	-

Graphical presentation of results

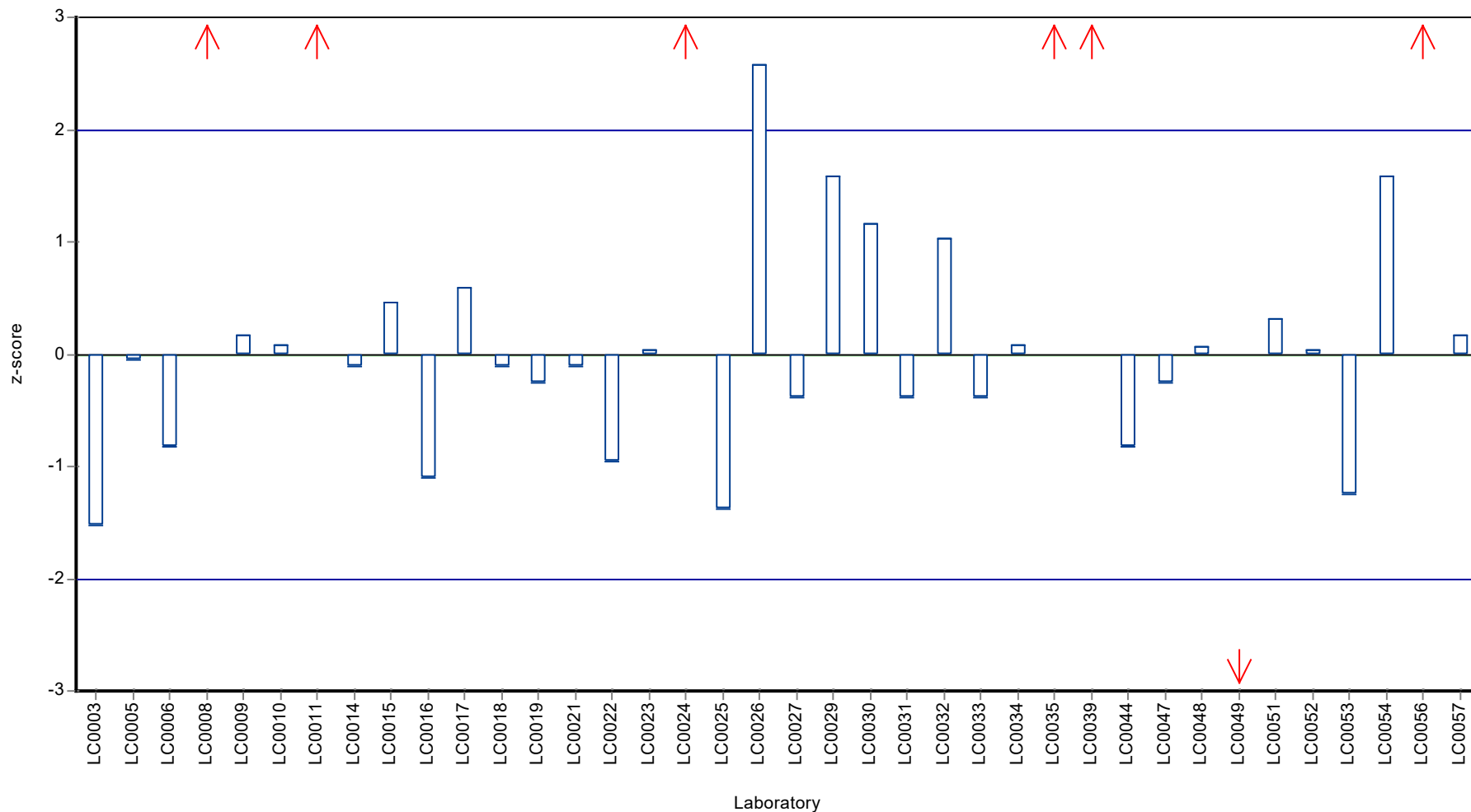
Results



Recovery rate



Z-score



Parameter oriented report

N150 B

Ammonium (as NH₄)

Unit	mg/l
Assigned value ± U (k=2)	0.321 ± 0.00634
Criterion	0.0385 (12 %)
Minimum - Maximum	0.282 - 0.37
Control test value ± U (k=2)	0.343 ± 0.024

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	0.299	0.021	93.2	-0.56	
LC0004	-	-	-	-	
LC0005	0.336	0.024	105	0.4	
LC0006	0.322	0.0322	100	0.03	
LC0007	-	-	-	-	
LC0008	0.487	0.17	152	4.32	H
LC0009	0.32	0.05	99.8	-0.02	
LC0010	0.322	0.003	100	0.03	
LC0011	-	-	-	-	
LC0012	-	-	-	-	
LC0013	-	-	-	-	
LC0014	0.325	0.05	101	0.11	
LC0015	0.304	0.028	94.8	-0.43	
LC0016	0.308	0.025	96	-0.33	
LC0017	0.335	0.104	104	0.37	
LC0018	0.318	0.004	99.2	-0.07	
LC0019	0.32	0.05	99.8	-0.02	
LC0020	-	-	-	-	
LC0021	0.324	0.016	101	0.09	
LC0022	0.327	0.05	102	0.16	
LC0023	0.323	0.032	101	0.06	
LC0024	4.435	0.003	1380	107	H
LC0025	0.282	0.004	87.9	-1.01	
LC0026	0.553	0.012	172	6.04	H
LC0027	0.322	0.032	100	0.03	
LC0028	-	-	-	-	
LC0029	0.32	0.04	99.8	-0.02	
LC0030	0.37	0.04	115	1.28	
LC0031	0.303	0.024	94.5	-0.46	
LC0032	0.342	0.023	107	0.55	
LC0033	0.314	0.05	97.9	-0.17	
LC0034	0.3097	0.0113	96.6	-0.29	
LC0035	0.495	0.074	154	4.53	H
LC0036	0.295	0.053	92	-0.67	
LC0037	0.31	0.013	96.7	-0.28	
LC0038	-	-	-	-	
LC0039	0.292	0.08	91.1	-0.75	
LC0040	0.342	0.049	107	0.55	
LC0041	-	-	-	-	

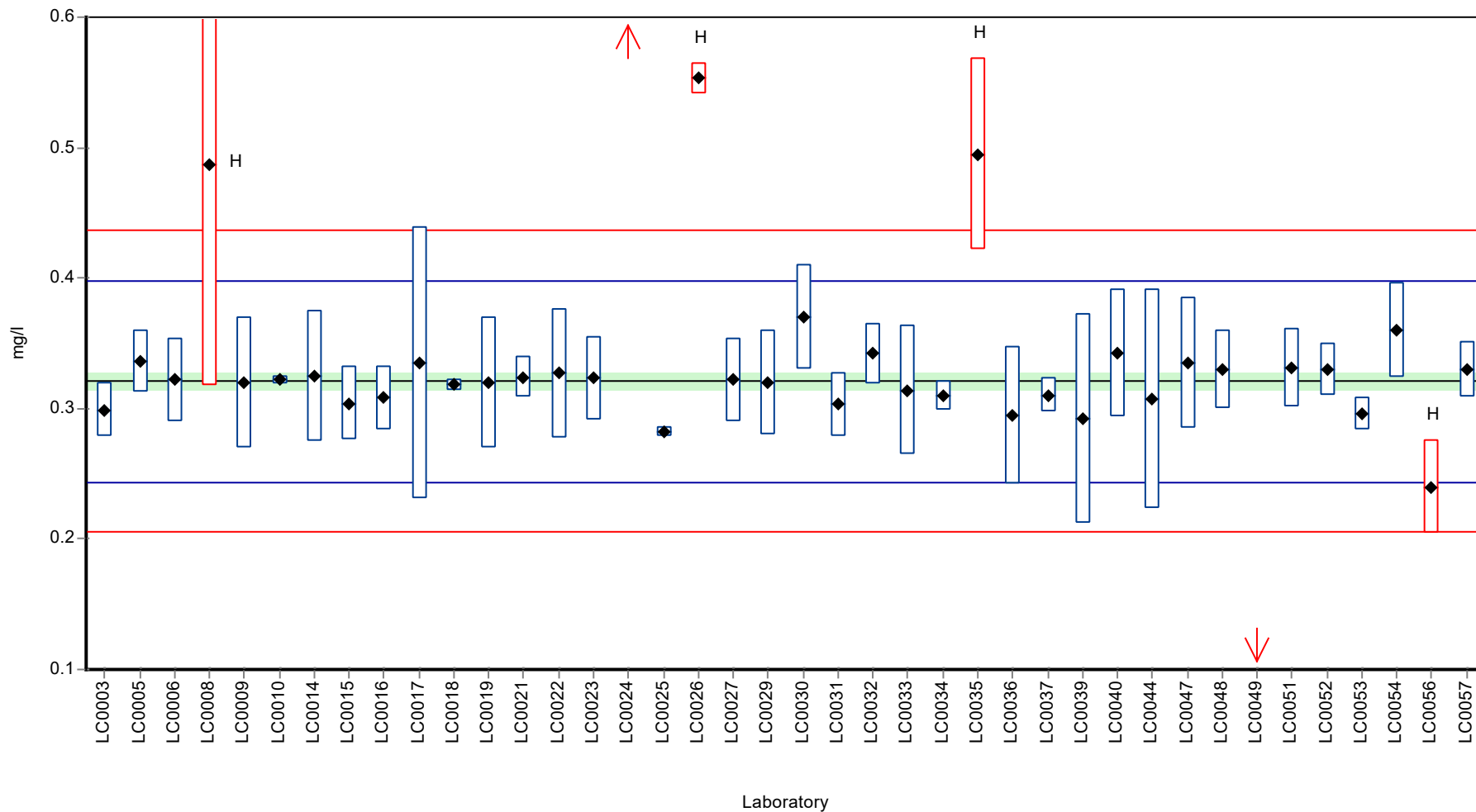
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	-	-	-	-	
LC0043	-	-	-	-	
LC0044	0.307	0.084	95.7	-0.36	
LC0045	-	-	-	-	
LC0046	-	-	-	-	
LC0047	0.335	0.05	104	0.37	
LC0048	0.33	0.03	103	0.24	
LC0049	0.077	0.004	24	-6.33	H
LC0050	-	-	-	-	
LC0051	0.331	0.03	103	0.27	
LC0052	0.33	0.02	103	0.24	
LC0053	0.296	0.012	92.3	-0.64	
LC0054	0.36	0.036	112	1.02	
LC0055	-	-	-	-	
LC0056	0.24	0.036	74.8	-2.1	H
LC0057	0.33	0.021	103	0.24	

Characteristics of parameter

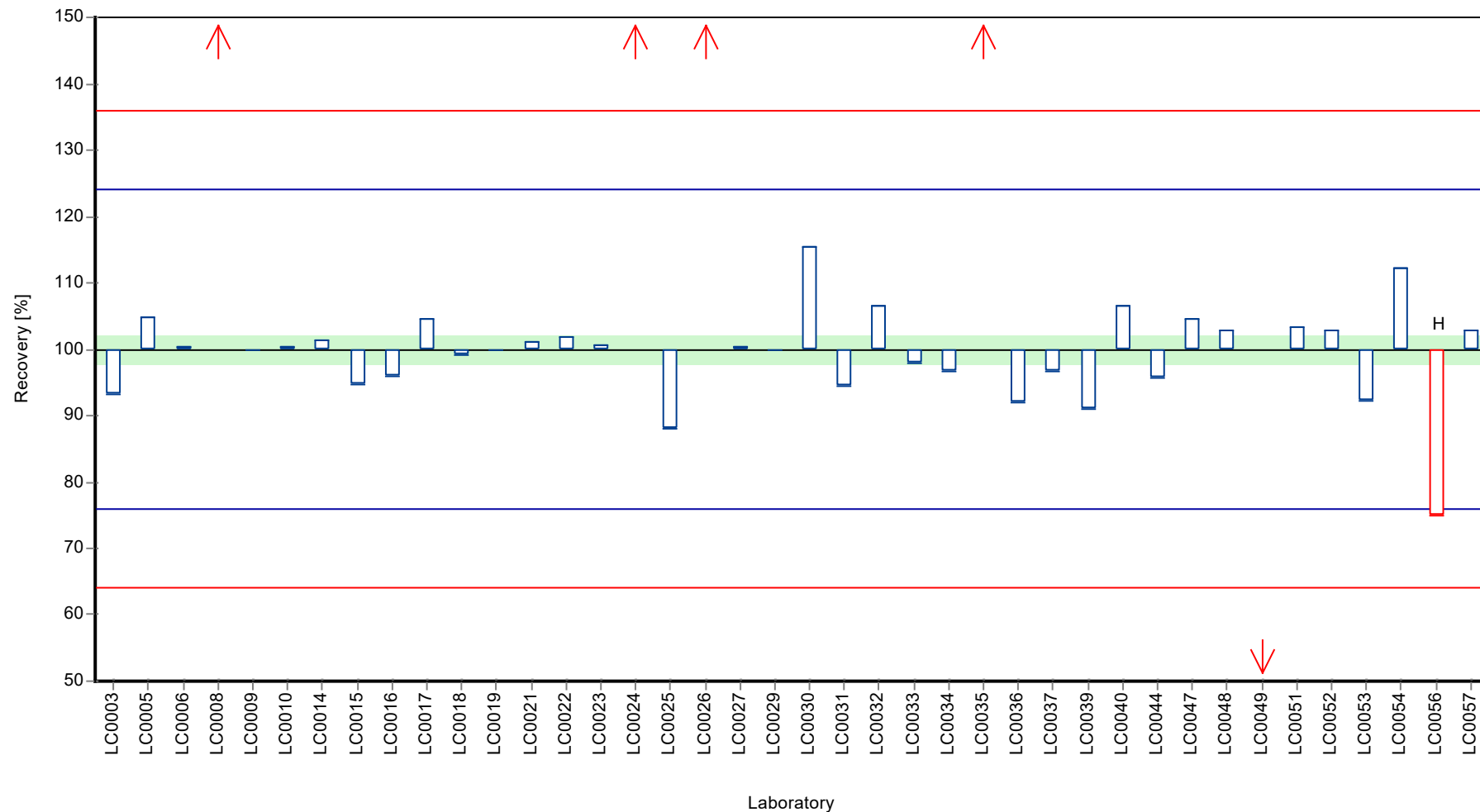
	all results	without outliers	Unit
Mean ± CI (99%)	0.43 ± 0.31	0.321 ± 0.00951	mg/l
Minimum	0.077	0.282	mg/l
Maximum	4.44	0.37	mg/l
Standard deviation	0.653	0.0185	mg/l
rel. standard deviation	152	5.76	%
n	40	34	-

Graphical presentation of results

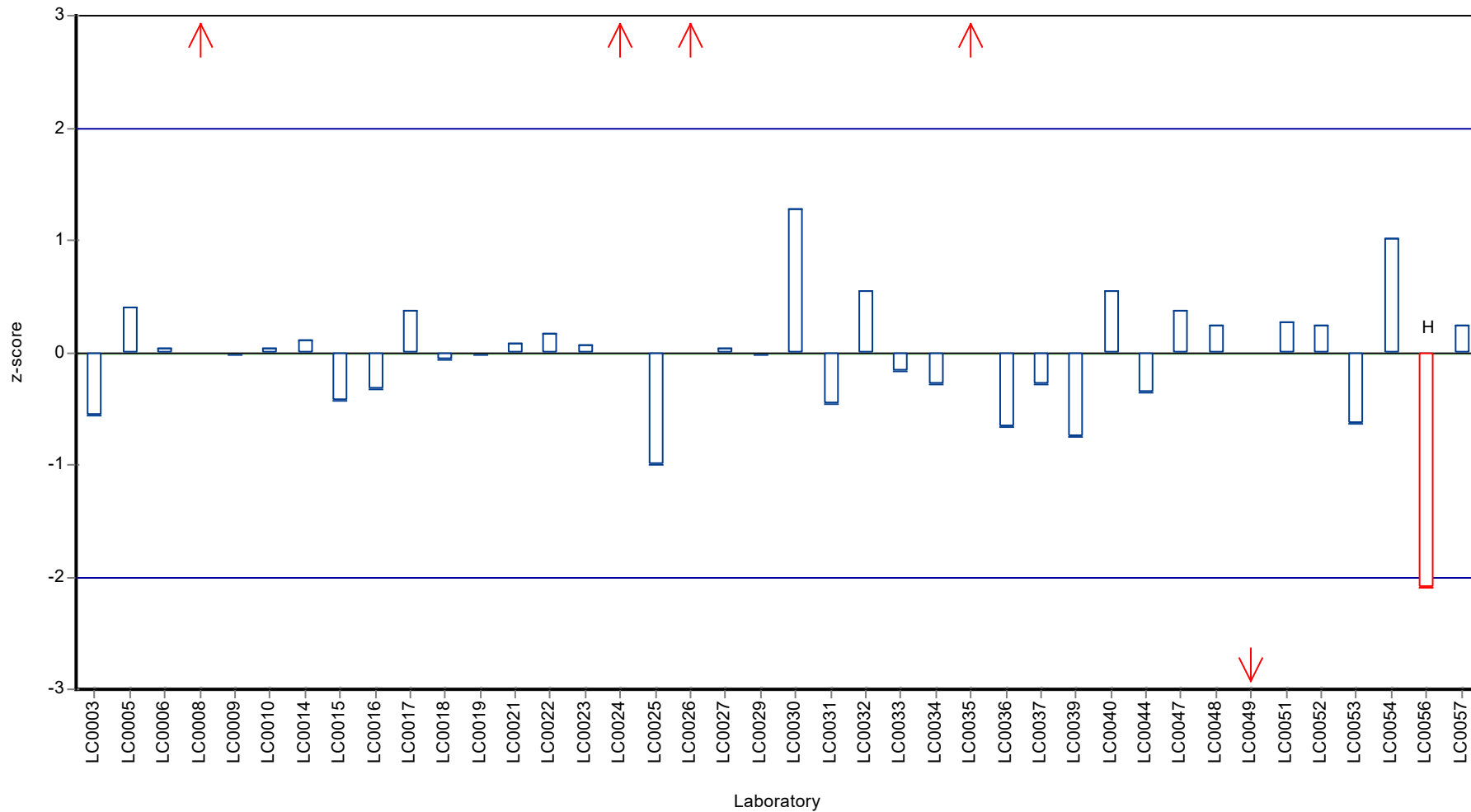
Results



Recovery rate



Z-score



Parameter oriented report

N150 A

Boron

Unit	mg/l
Assigned value ± U (k=2)	0.0209 ± 0.000944
Criterion	0.0023 (11 %)
Minimum - Maximum	0.018 - 0.026
Control test value ± U (k=2)	<0.05 (LOD)

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	0.02	0.001	95.5	-0.41	
LC0004	-	-	-	-	
LC0005	0.0222	0.003	106	0.54	
LC0006	0.026	0.0031	124	2.19	
LC0007	-	-	-	-	
LC0008	< 0.047 (LOQ)	-	-	-	
LC0009	< 0.02 (LOQ)	-	-	-	
LC0010	0.0219	0.001	105	0.41	
LC0011	< 0.05 (LOQ)	-	-	-	
LC0012	-	-	-	-	
LC0013	0.01	-	47.7	-4.75	H
LC0014	-	-	-	-	
LC0015	-	-	-	-	
LC0016	0.0199	0.003	95	-0.45	
LC0017	0.0202	0.0014	96.4	-0.32	
LC0018	-	-	-	-	
LC0019	0.018	0.004	85.9	-1.28	
LC0020	-	-	-	-	
LC0021	0.048	0.006	229	11.7	H
LC0022	0.0245	0.0039	117	1.54	
LC0023	0.0216	0.0022	103	0.28	
LC0024	-	-	-	-	
LC0025	0.005	0.003	23.9	-6.92	H
LC0026	0.0207	0.0001	98.8	-0.11	
LC0027	-	-	-	-	
LC0028	-	-	-	-	
LC0029	0.018	0.004	85.9	-1.28	
LC0030	0.019	0.002	90.7	-0.84	
LC0031	-	-	-	-	
LC0032	0.02	0.006	95.5	-0.41	
LC0033	-	-	-	-	
LC0034	0.021	0.003	100	0.02	
LC0035	0.0203	0.00143	96.9	-0.28	
LC0036	0.01895	0.00371	90.5	-0.87	
LC0037	-	-	-	-	
LC0038	-	-	-	-	
LC0039	0.02068	0.0021	98.7	-0.12	
LC0040	-	-	-	-	
LC0041	-	-	-	-	

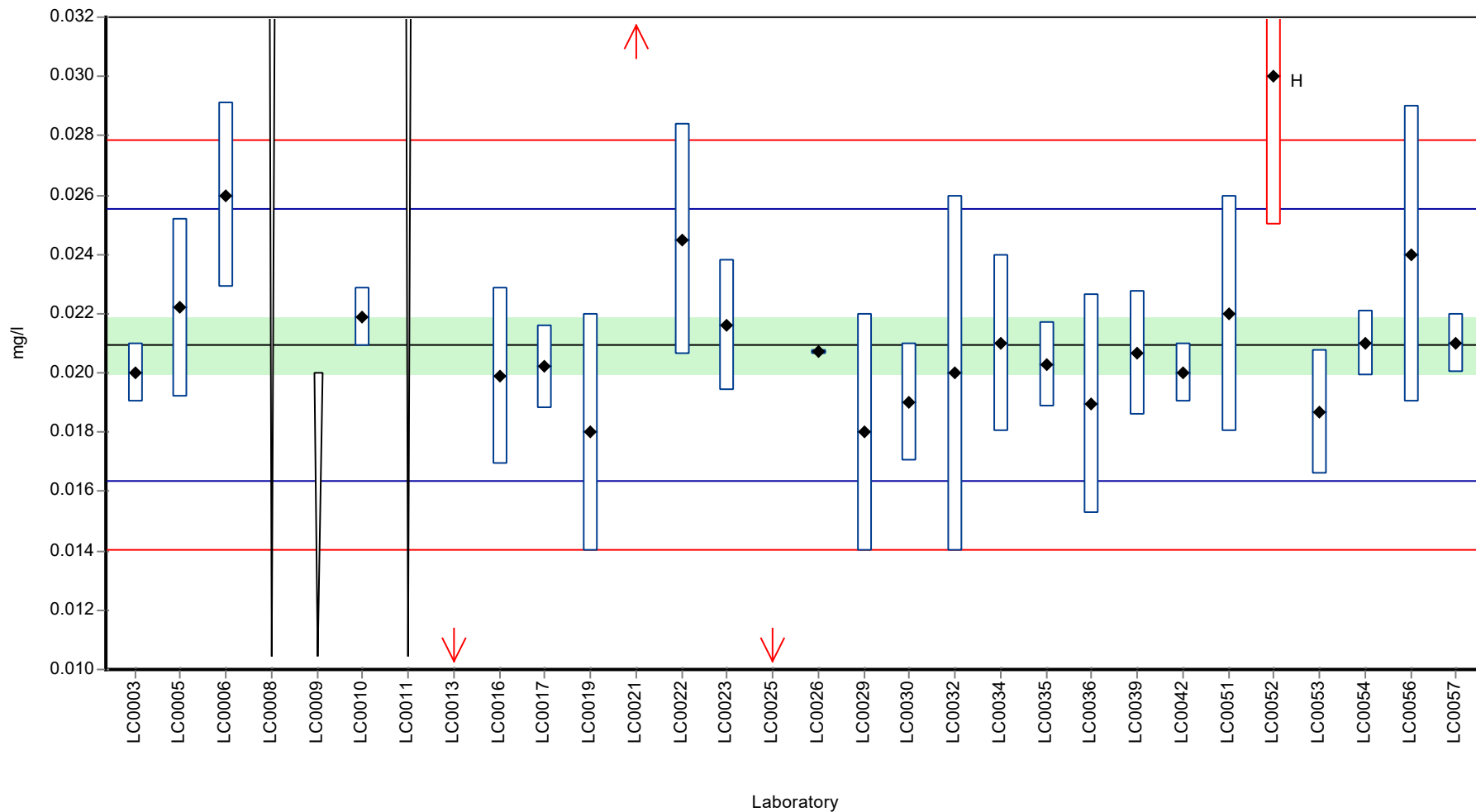
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	0.02	0.001	95.5	-0.41	
LC0043	-	-	-	-	
LC0044	-	-	-	-	
LC0045	-	-	-	-	
LC0046	-	-	-	-	
LC0047	-	-	-	-	
LC0048	-	-	-	-	
LC0049	-	-	-	-	
LC0050	-	-	-	-	
LC0051	0.022	0.004	105	0.46	
LC0052	0.03	0.005	143	3.93	H
LC0053	0.0187	0.0021	89.3	-0.97	
LC0054	0.021	0.0011	100	0.02	
LC0055	-	-	-	-	
LC0056	0.024	0.005	115	1.33	
LC0057	0.021	0.001	100	0.02	

Characteristics of parameter

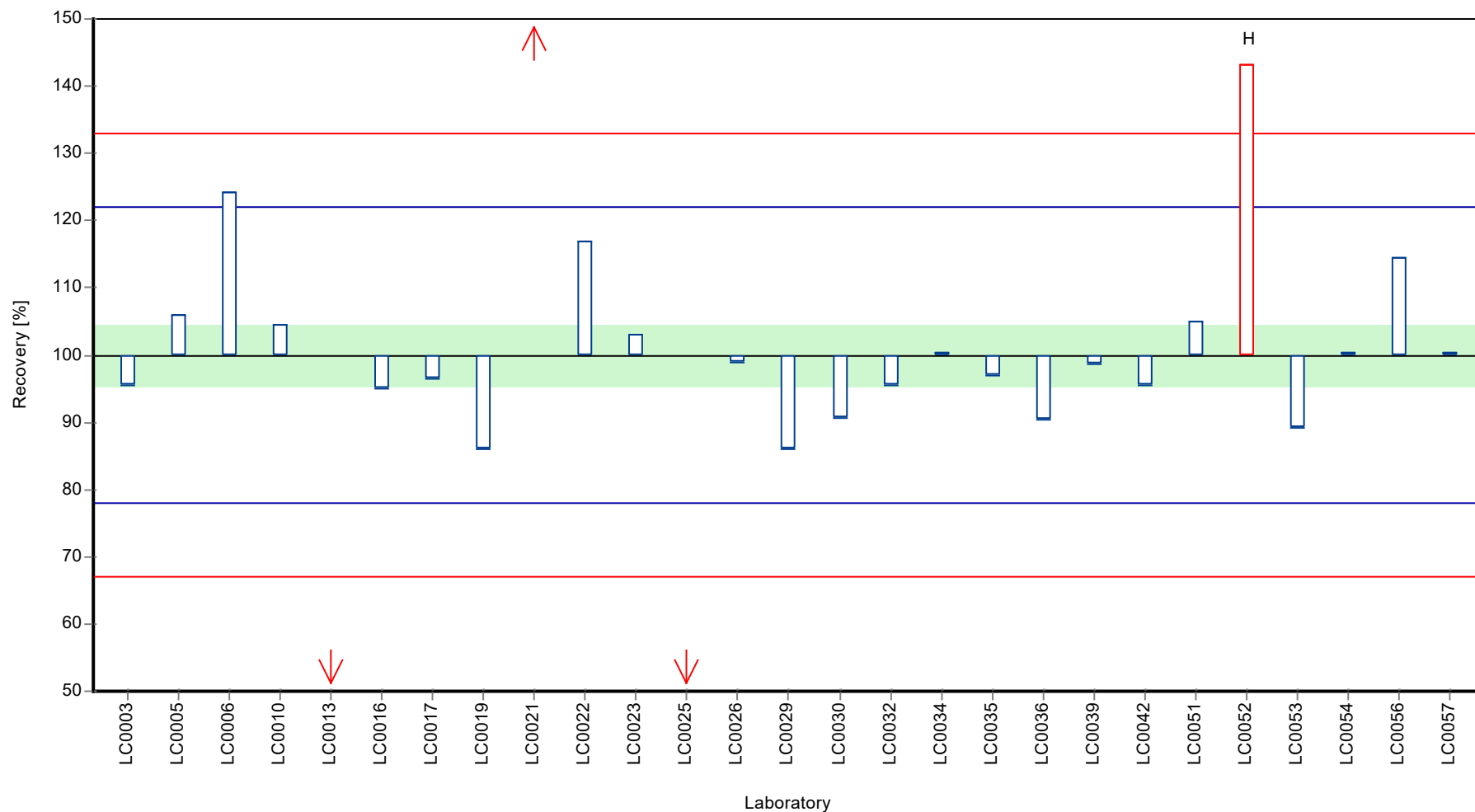
	all results	without outliers	Unit
Mean ± CI (99%)	0.0212 ± 0.00404	0.0209 ± 0.00124	mg/l
Minimum	0.005	0.018	mg/l
Maximum	0.048	0.026	mg/l
Standard deviation	0.007	0.00198	mg/l
rel. standard deviation	33	9.5	%
n	27	23	-

Graphical presentation of results

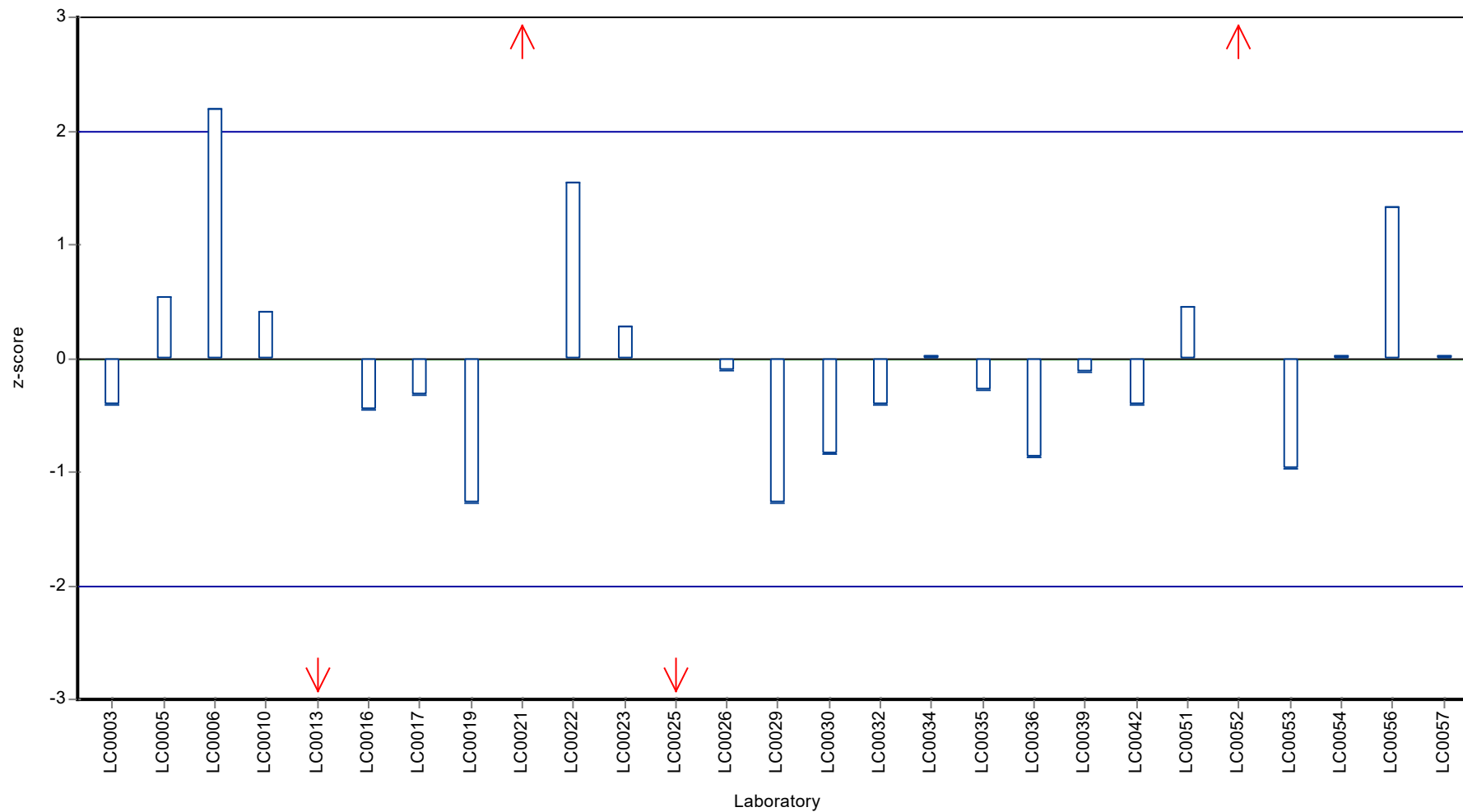
Results



Recovery rate



Z-score



Parameter oriented report

N150 B

Boron

Unit	mg/l
Assigned value ± U (k=2)	0.00948 ± 0.00044
Criterion	0.00104 (11 %)
Minimum - Maximum	0.0074 - 0.011
Control test value ± U (k=2)	<0.05 (LOD)

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	0.0092	0.0005	97	-0.27	
LC0004	-	-	-	-	
LC0005	0.0104	0.0013	110	0.88	
LC0006	0.012	0.0014	127	2.41	H
LC0007	-	-	-	-	
LC0008	< 0.047 (LOQ)	-	-	-	
LC0009	< 0.02 (LOQ)	-	-	-	
LC0010	0.00954	0.0003	101	0.05	
LC0011	-	-	-	-	
LC0012	-	-	-	-	
LC0013	0.002	-	21.1	-7.17	H
LC0014	-	-	-	-	
LC0015	-	-	-	-	
LC0016	0.00961	0.0014	101	0.12	
LC0017	0.0087	0.0006	91.7	-0.75	
LC0018	-	-	-	-	
LC0019	-	-	-	-	
LC0020	-	-	-	-	
LC0021	-	-	-	-	
LC0022	0.0109	0.0023	115	1.36	
LC0023	0.01	0.001	105	0.49	
LC0024	-	-	-	-	
LC0025	< 0.005 (LOQ)	-	-	-	FN
LC0026	0.00942	0.0001	99.3	-0.06	
LC0027	-	-	-	-	
LC0028	-	-	-	-	
LC0029	0.0074	0.002	78	-2	
LC0030	< 0.02 (LOQ)	-	-	-	
LC0031	-	-	-	-	
LC0032	0.011	0.02	116	1.45	
LC0033	-	-	-	-	
LC0034	< 0.02 (LOQ)	-	-	-	
LC0035	0.0096	0.0007	101	0.11	
LC0036	0.00922	0.0018	97.2	-0.25	
LC0037	-	-	-	-	
LC0038	-	-	-	-	
LC0039	0.01009	0.001	106	0.58	
LC0040	-	-	-	-	
LC0041	-	-	-	-	

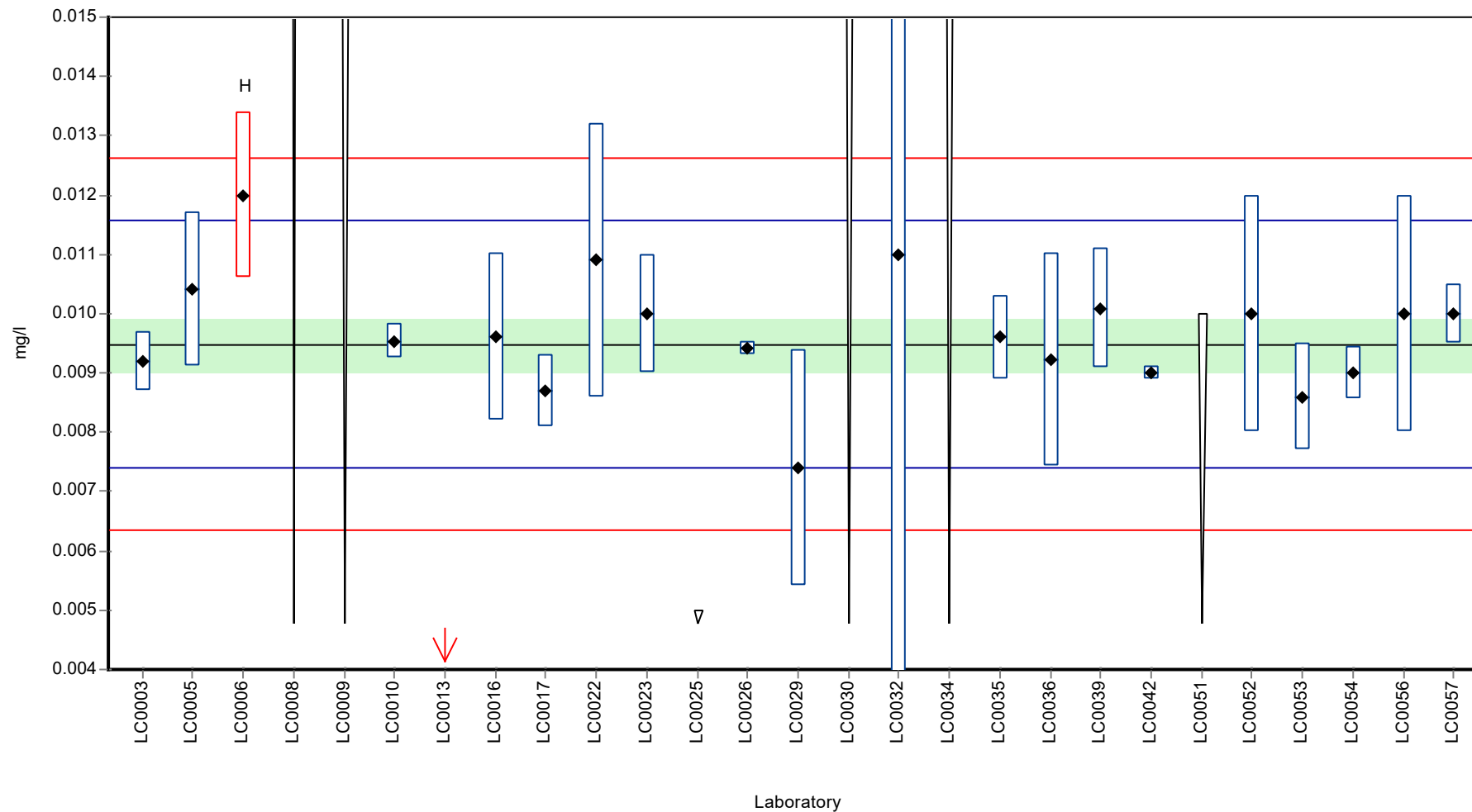
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	0.009	0.0001	94.9	-0.46	
LC0043	-	-	-	-	
LC0044	-	-	-	-	
LC0045	-	-	-	-	
LC0046	-	-	-	-	
LC0047	-	-	-	-	
LC0048	-	-	-	-	
LC0049	-	-	-	-	
LC0050	-	-	-	-	
LC0051	< 0.01 (LOQ)	-	-	-	
LC0052	0.01	0.002	105	0.49	
LC0053	0.0086	0.0009	90.7	-0.85	
LC0054	0.009	0.00045	94.9	-0.46	
LC0055	-	-	-	-	
LC0056	0.01	0.002	105	0.49	
LC0057	0.01	0.0005	105	0.49	

Characteristics of parameter

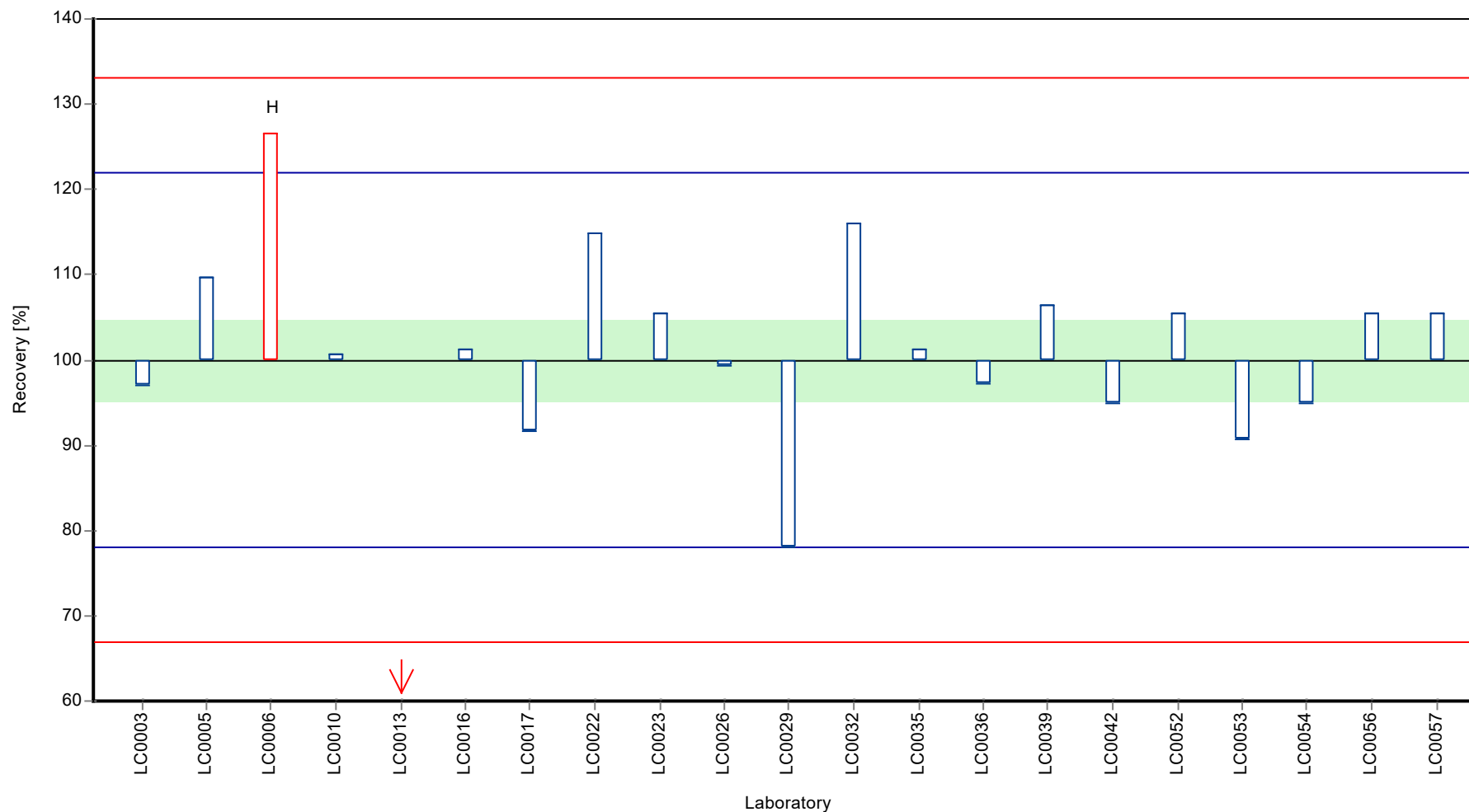
	all results	without outliers	Unit
Mean ± CI (99%)	0.00932 ± 0.00127	0.00956 ± 0.000582	mg/l
Minimum	0.002	0.0074	mg/l
Maximum	0.012	0.011	mg/l
Standard deviation	0.00193	0.000845	mg/l
rel. standard deviation	20.7	8.84	%
n	21	19	-

Graphical presentation of results

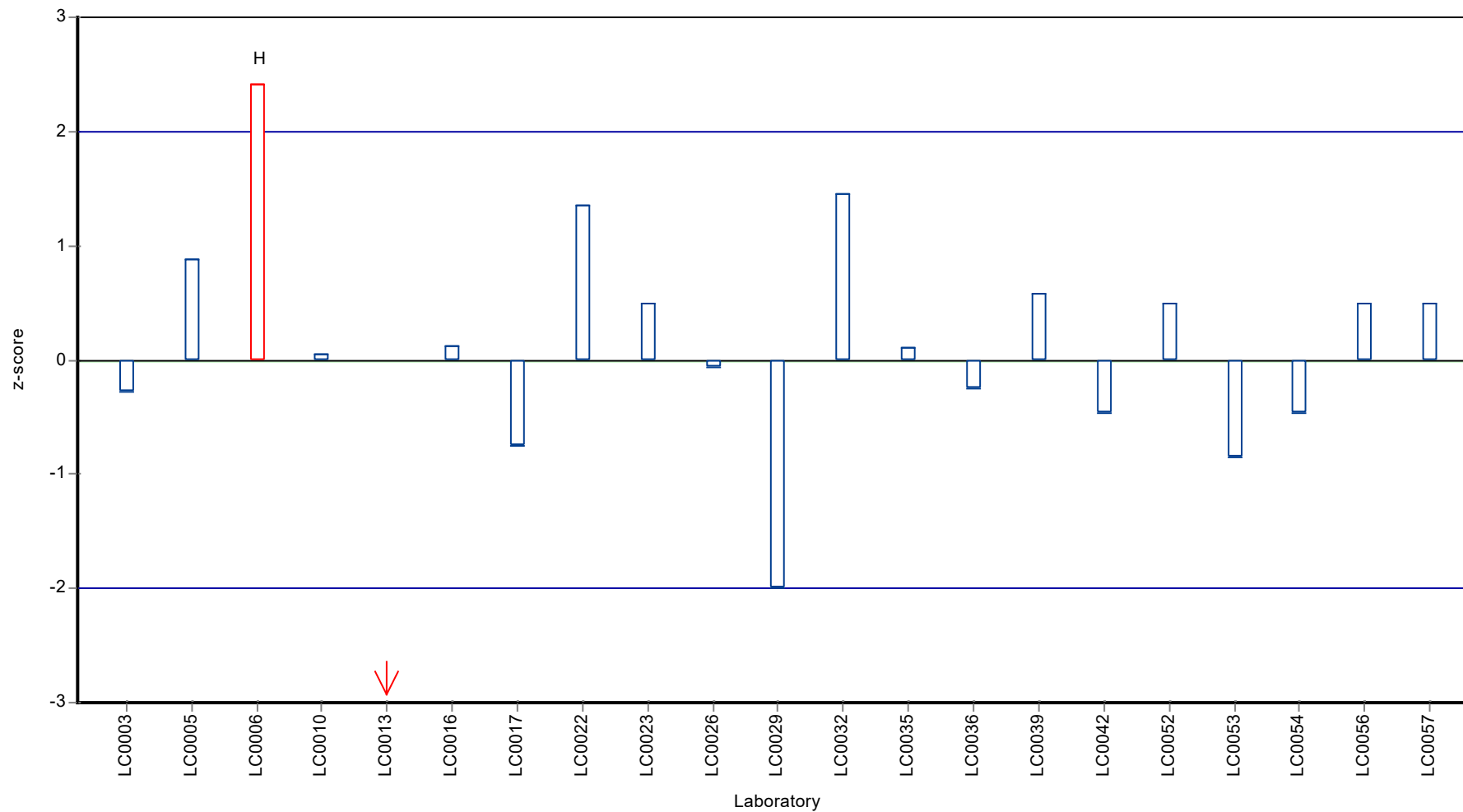
Results



Recovery rate



Z-score



Parameter oriented report

N150 A

Calcium

Unit	mg/l
Assigned value ± U (k=2)	71.6 ± 0.691
Criterion	2.22 (3.1 %)
Minimum - Maximum	66.4 - 75.2
Control test value ± U (k=2)	72.1 ± 5.04

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	71.26	1.5	99.5	-0.17	
LC0004	-	-	-	-	
LC0005	69.3	3.2	96.7	-1.05	
LC0006	72.17	2.887	101	0.24	
LC0007	-	-	-	-	
LC0008	70.9	7.09	99	-0.33	
LC0009	72.5	5.1	101	0.39	
LC0010	73.3	0.525	102	0.75	
LC0011	71.2	8.46	99.4	-0.2	
LC0012	-	-	-	-	
LC0013	81	-	113	4.22	H
LC0014	63.33	2.5	88.4	-3.74	H
LC0015	17.72	0.42	24.7	-24.3	H
LC0016	81.123	8.1	113	4.27	H
LC0017	74.53	2.98	104	1.3	
LC0018	-	-	-	-	
LC0019	69.9	10	97.6	-0.78	
LC0020	75.18	5	105	1.6	
LC0021	71.1	1.3	99.3	-0.24	
LC0022	71.3	3.4	99.5	-0.15	
LC0023	71.3	6.4	99.5	-0.15	
LC0024	70.53	1.7	98.5	-0.5	
LC0025	71.2	3	99.4	-0.2	
LC0026	66.433	0.106	92.7	-2.34	
LC0027	71.3	7	99.5	-0.15	
LC0028	-	-	-	-	
LC0029	74.3	8	104	1.2	
LC0030	71.4	7.1	99.7	-0.1	
LC0031	-	-	-	-	
LC0032	71.3	0.6	99.5	-0.15	
LC0033	71.9	6	100	0.12	
LC0034	74.6	0.603	104	1.34	
LC0035	81.4	12.3	114	4.4	H
LC0036	66.522	5.29	92.9	-2.3	
LC0037	73.1	2.5	102	0.66	
LC0038	-	-	-	-	
LC0039	72.99	3.6276	102	0.61	
LC0040	-	-	-	-	
LC0041	-	-	-	-	

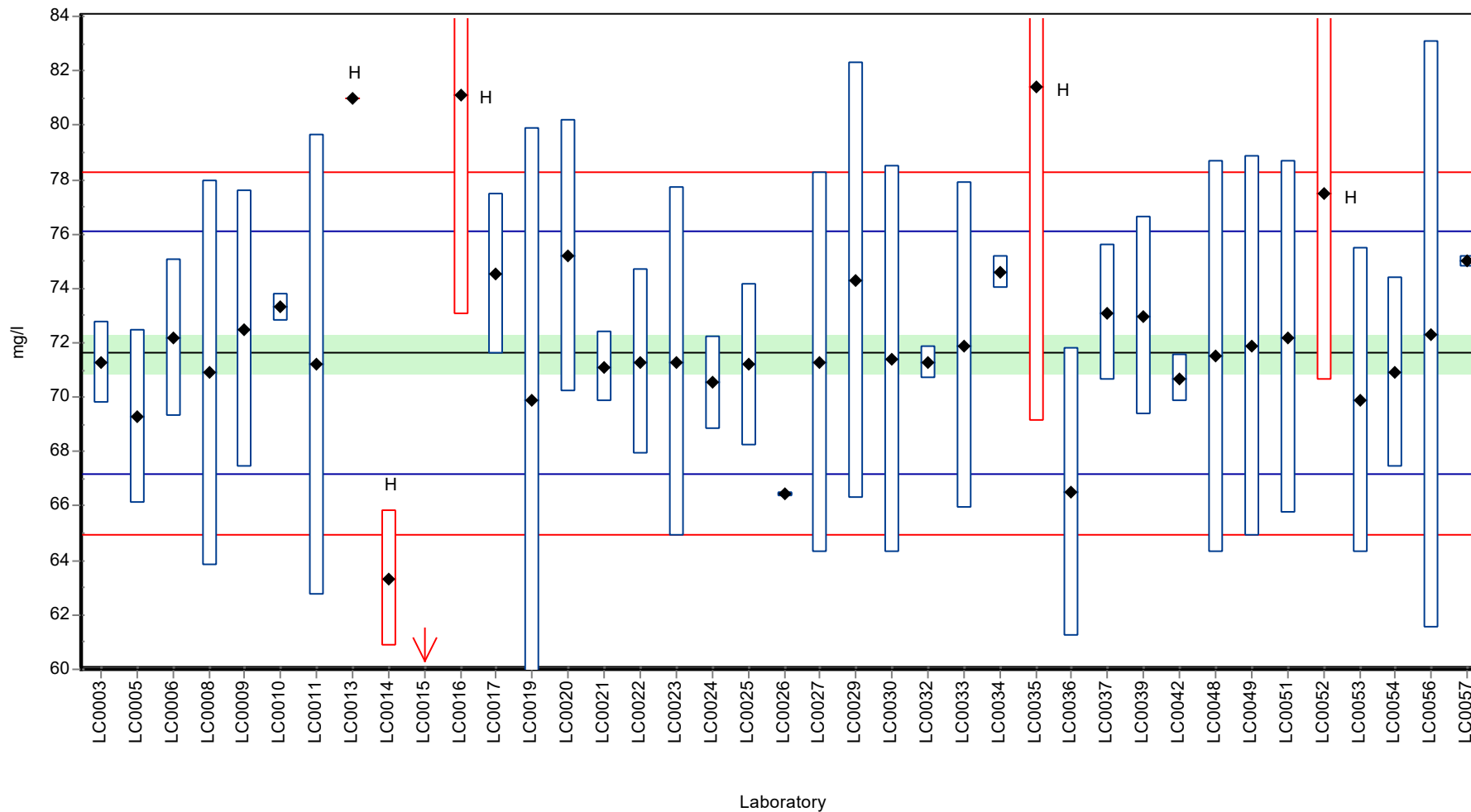
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	70.7	0.9	98.7	-0.42	
LC0043	-	-	-	-	
LC0044	-	-	-	-	
LC0045	-	-	-	-	
LC0046	-	-	-	-	
LC0047	-	-	-	-	
LC0048	71.5	7.2	99.8	-0.06	
LC0049	71.903	7	100	0.12	
LC0050	-	-	-	-	
LC0051	72.2	6.5	101	0.26	
LC0052	77.5	6.86	108	2.64	H
LC0053	69.9	5.59	97.6	-0.78	
LC0054	70.9	3.5	99	-0.33	
LC0055	-	-	-	-	
LC0056	72.3	10.8	101	0.3	
LC0057	75	0.2	105	1.52	

Characteristics of parameter

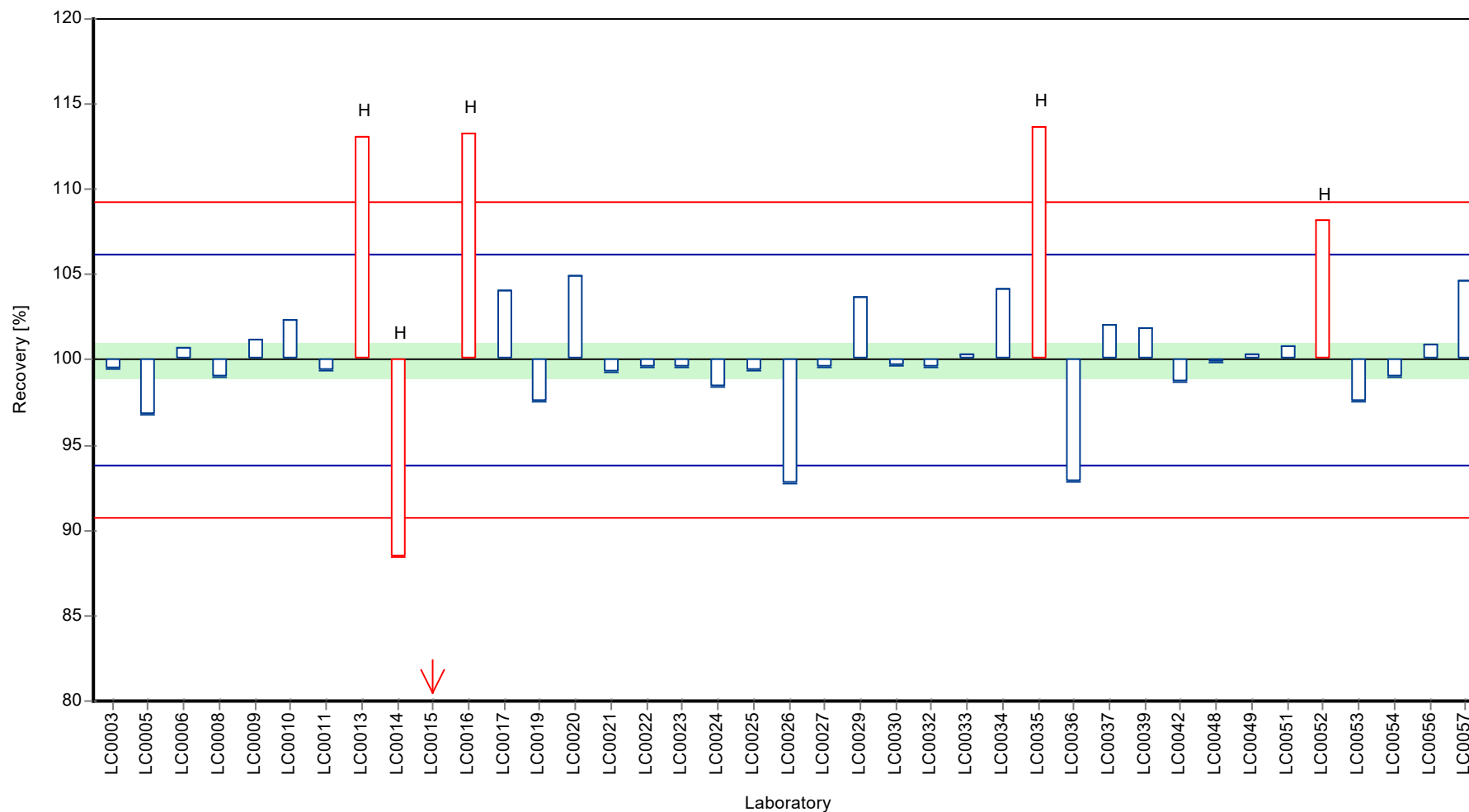
	all results	without outliers	Unit
Mean ± CI (99%)	70.9 ± 4.54	71.6 ± 1.04	mg/l
Minimum	17.7	66.4	mg/l
Maximum	81.4	75.2	mg/l
Standard deviation	9.44	1.98	mg/l
rel. standard deviation	13.3	2.77	%
n	39	33	-

Graphical presentation of results

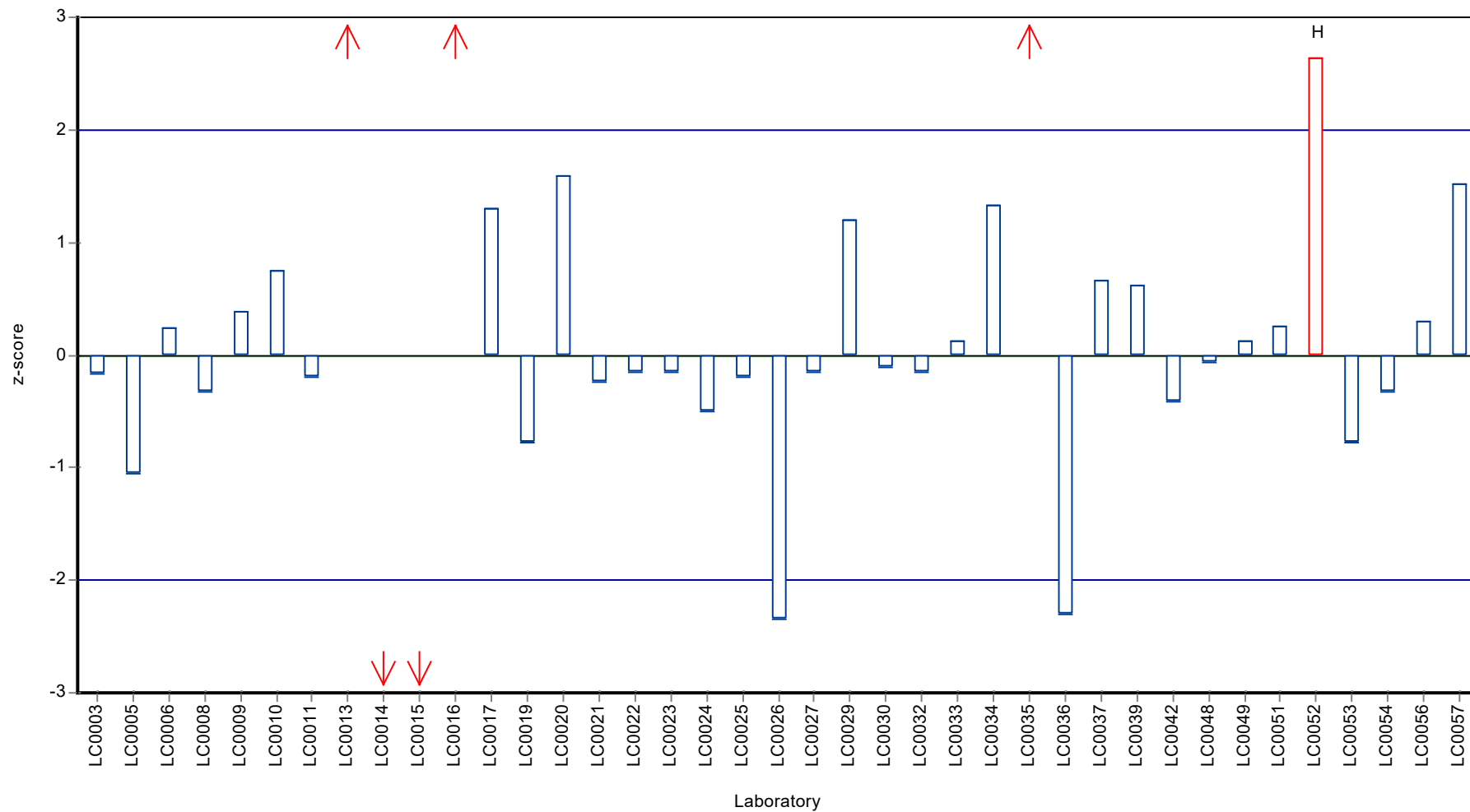
Results



Recovery rate



Z-score



Parameter oriented report

N150 B

Calcium

Unit	mg/l
Assigned value ± U (k=2)	48.2 ± 0.463
Criterion	1.5 (3.1 %)
Minimum - Maximum	45.3 - 52.2
Control test value ± U (k=2)	48.3 ± 3.38

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	47.12	0.1	97.7	-0.74	
LC0004	-	-	-	-	
LC0005	46.7	2.1	96.8	-1.03	
LC0006	47.96	1.918	99.4	-0.18	
LC0007	-	-	-	-	
LC0008	47.1	4.71	97.7	-0.76	
LC0009	49.3	3.5	102	0.71	
LC0010	47.3	1.23	98.1	-0.62	
LC0011	-	-	-	-	
LC0012	-	-	-	-	
LC0013	54	-	112	3.86	H
LC0014	42.49	1.7	88.1	-3.84	H
LC0015	0.12	0.003	0.2	-32.2	H
LC0016	55.136	5.4	114	4.62	H
LC0017	49.49	1.98	103	0.84	
LC0018	-	-	-	-	
LC0019	46.5	6.6	96.4	-1.16	
LC0020	48.68	5	101	0.3	
LC0021	47.5	0.9	98.5	-0.49	
LC0022	47.6	2.3	98.7	-0.42	
LC0023	47.9	4.3	99.3	-0.22	
LC0024	46.91	1.7	97.3	-0.89	
LC0025	48.6	3	101	0.24	
LC0026	48.637	0.319	101	0.27	
LC0027	47.1	4.7	97.7	-0.76	
LC0028	-	-	-	-	
LC0029	49.3	5	102	0.71	
LC0030	48.9	4.9	101	0.45	
LC0031	-	-	-	-	
LC0032	49.3	0.7	102	0.71	
LC0033	48.3	4	100	0.04	
LC0034	50.1	0.606	104	1.25	
LC0035	54.3	8.24	113	4.06	H
LC0036	45.304	3.602	93.9	-1.96	
LC0037	49	1.68	102	0.51	
LC0038	-	-	-	-	
LC0039	49.21	2.446	102	0.65	
LC0040	48.12	4.81	99.8	-0.08	
LC0041	-	-	-	-	

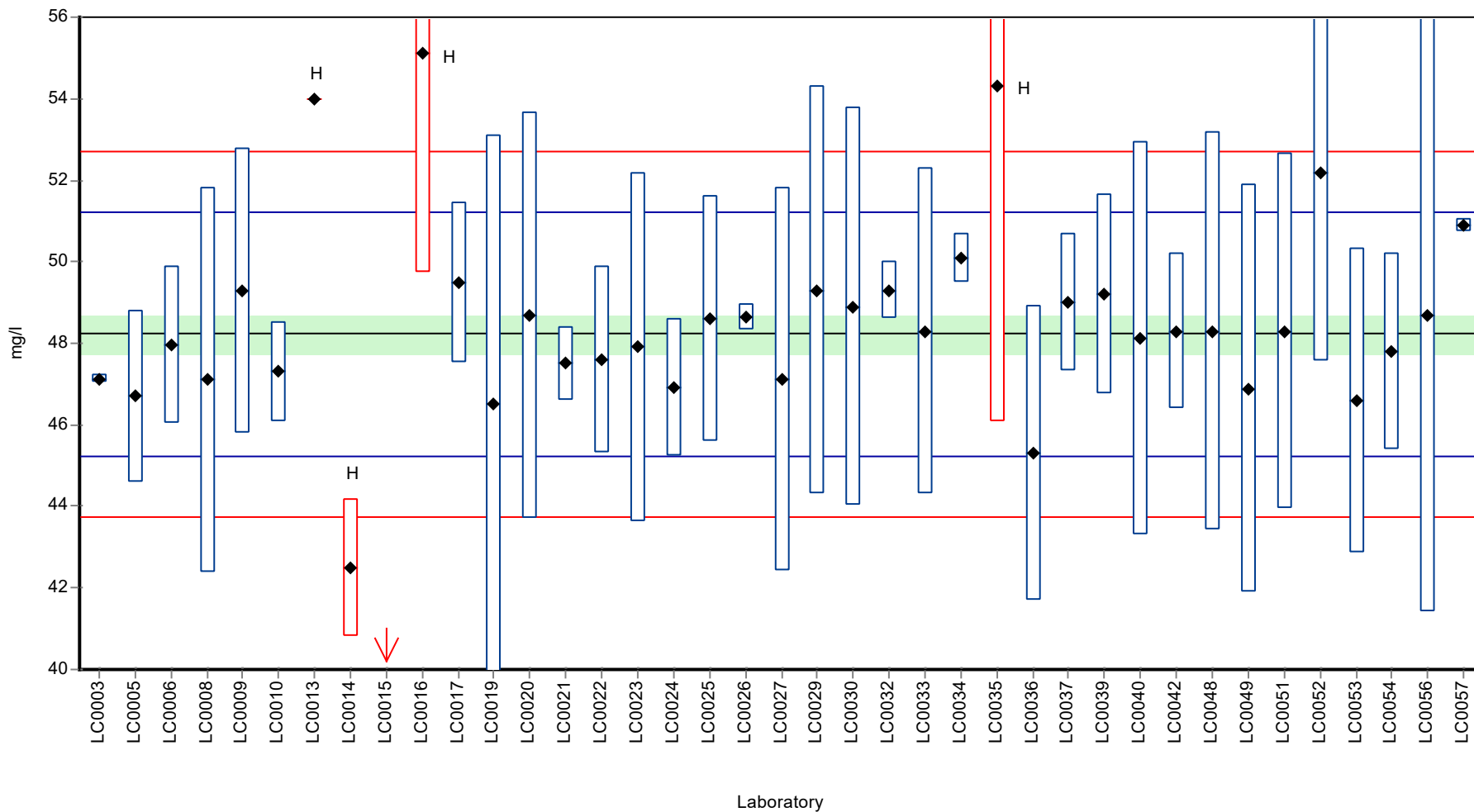
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	48.3	1.9	100	0.04	
LC0043	-	-	-	-	
LC0044	-	-	-	-	
LC0045	-	-	-	-	
LC0046	-	-	-	-	
LC0047	-	-	-	-	
LC0048	48.3	4.9	100	0.04	
LC0049	46.894	5	97.2	-0.9	
LC0050	-	-	-	-	
LC0051	48.3	4.35	100	0.04	
LC0052	52.2	4.64	108	2.65	
LC0053	46.6	3.73	96.6	-1.09	
LC0054	47.8	2.4	99.1	-0.29	
LC0055	-	-	-	-	
LC0056	48.7	7.3	101	0.31	
LC0057	50.9	0.15	106	1.78	

Characteristics of parameter

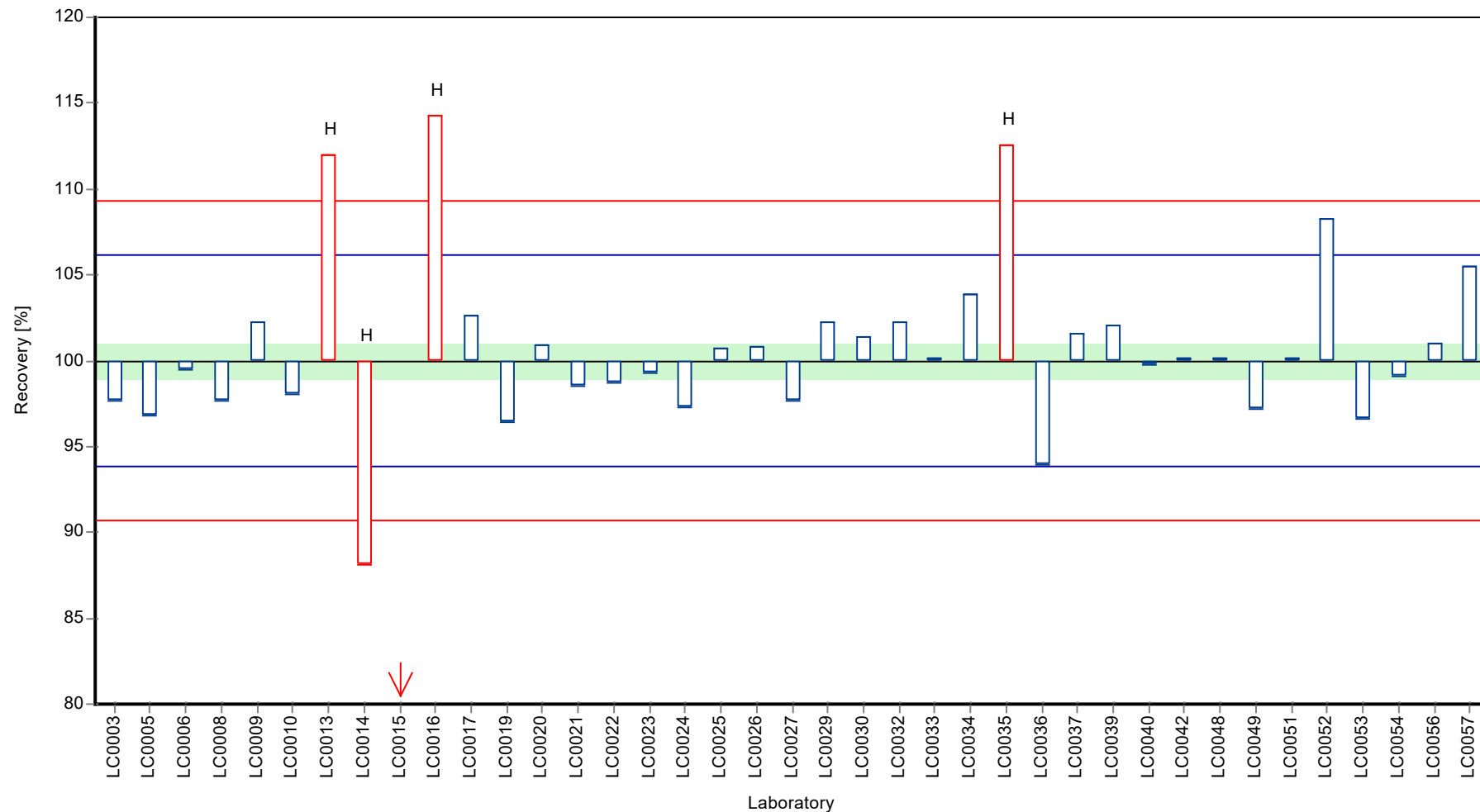
	all results	without outliers	Unit
Mean ± CI (99%)	47.3 ± 3.89	48.2 ± 0.695	mg/l
Minimum	0.12	45.3	mg/l
Maximum	55.1	52.2	mg/l
Standard deviation	8.1	1.35	mg/l
rel. standard deviation	17.1	2.8	%
n	39	34	-

Graphical presentation of results

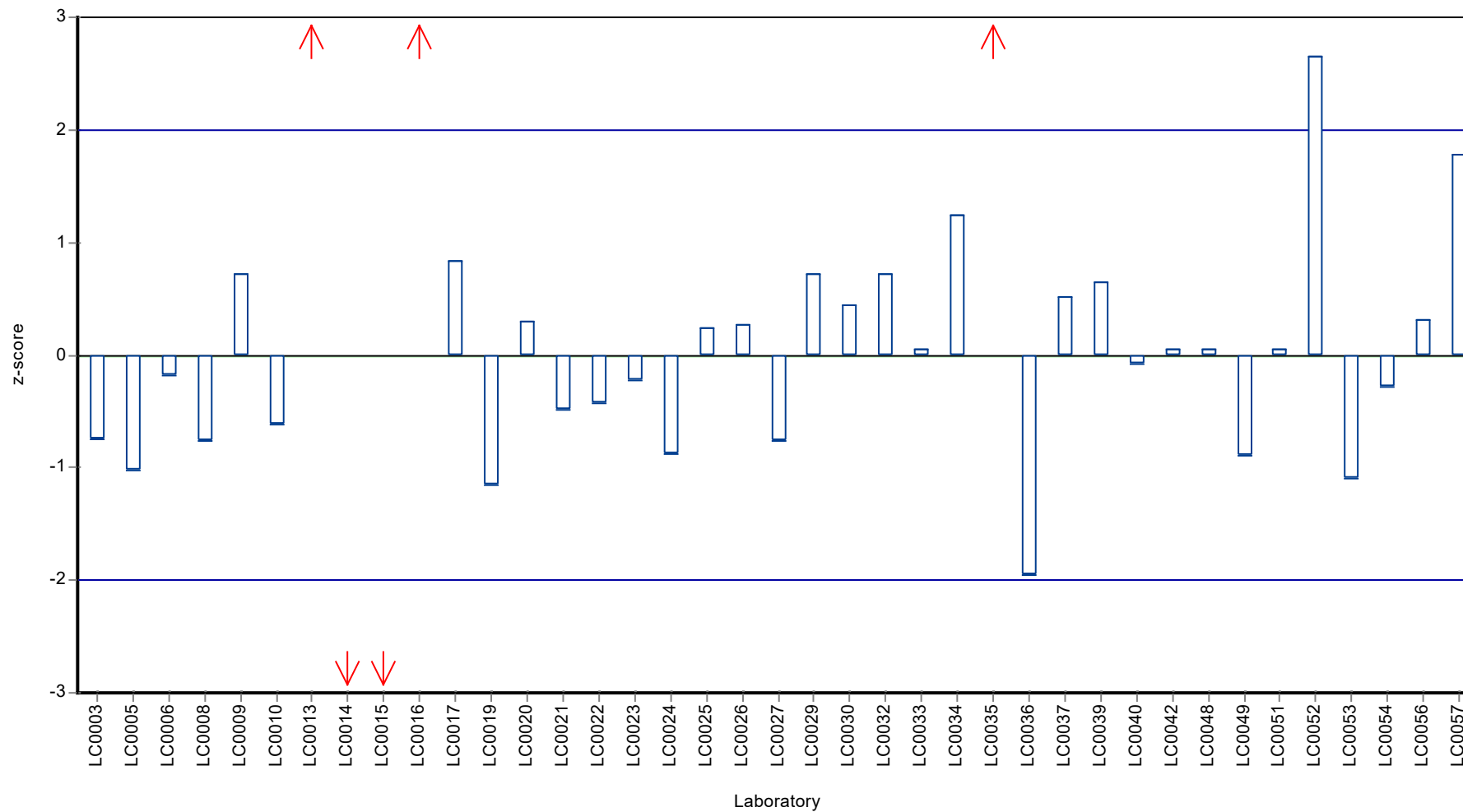
Results



Recovery rate



Z-score



Parameter oriented report

N150 A

Chloride

Unit	mg/l
Assigned value ± U (k=2)	31 ± 0.209
Criterion	1.24 (4 %)
Minimum - Maximum	29.2 - 32.3
Control test value ± U (k=2)	31.1 ± 1.56

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	30.9	1.5	99.7	-0.08	
LC0004	-	-	-	-	
LC0005	30.3	2	97.7	-0.57	
LC0006	31.85	1.274	103	0.68	
LC0007	-	-	-	-	
LC0008	31.2	3.12	101	0.16	
LC0009	31.4	1.6	101	0.32	
LC0010	31.6	0.1	102	0.48	
LC0011	29.9	0.84	96.4	-0.89	
LC0012	-	-	-	-	
LC0013	31.9	-	103	0.72	
LC0014	32.34	1.22	104	1.08	
LC0015	32.23	1.1	104	0.99	
LC0016	30.26	3	97.6	-0.6	
LC0017	30.41	2.43	98.1	-0.48	
LC0018	-	-	-	-	
LC0019	31.3	5.3	101	0.24	
LC0020	33.43	1	108	1.96	H
LC0021	31.4	0.7	101	0.32	
LC0022	30.5	2.5	98.4	-0.41	
LC0023	31.6	1.6	102	0.48	
LC0024	30.73	0.2	99.1	-0.22	
LC0025	31.2	2	101	0.16	
LC0026	31.625	0.058	102	0.5	
LC0027	29.9	3	96.4	-0.89	
LC0028	30.2	0.8	97.4	-0.65	
LC0029	31	4	100	0.00	
LC0030	31.1	3.1	100	0.08	
LC0031	-	-	-	-	
LC0032	30.7	0.1	99	-0.25	
LC0033	31.2	2	101	0.16	
LC0034	31.3	0.08	101	0.24	
LC0035	31.5	1.12	102	0.4	
LC0036	29.21	3.81	94.2	-1.45	
LC0037	30.4	1.87	98	-0.49	
LC0038	-	-	-	-	
LC0039	30.9	2.7	99.7	-0.08	
LC0040	-	-	-	-	
LC0041	31.87	1.12	103	0.7	

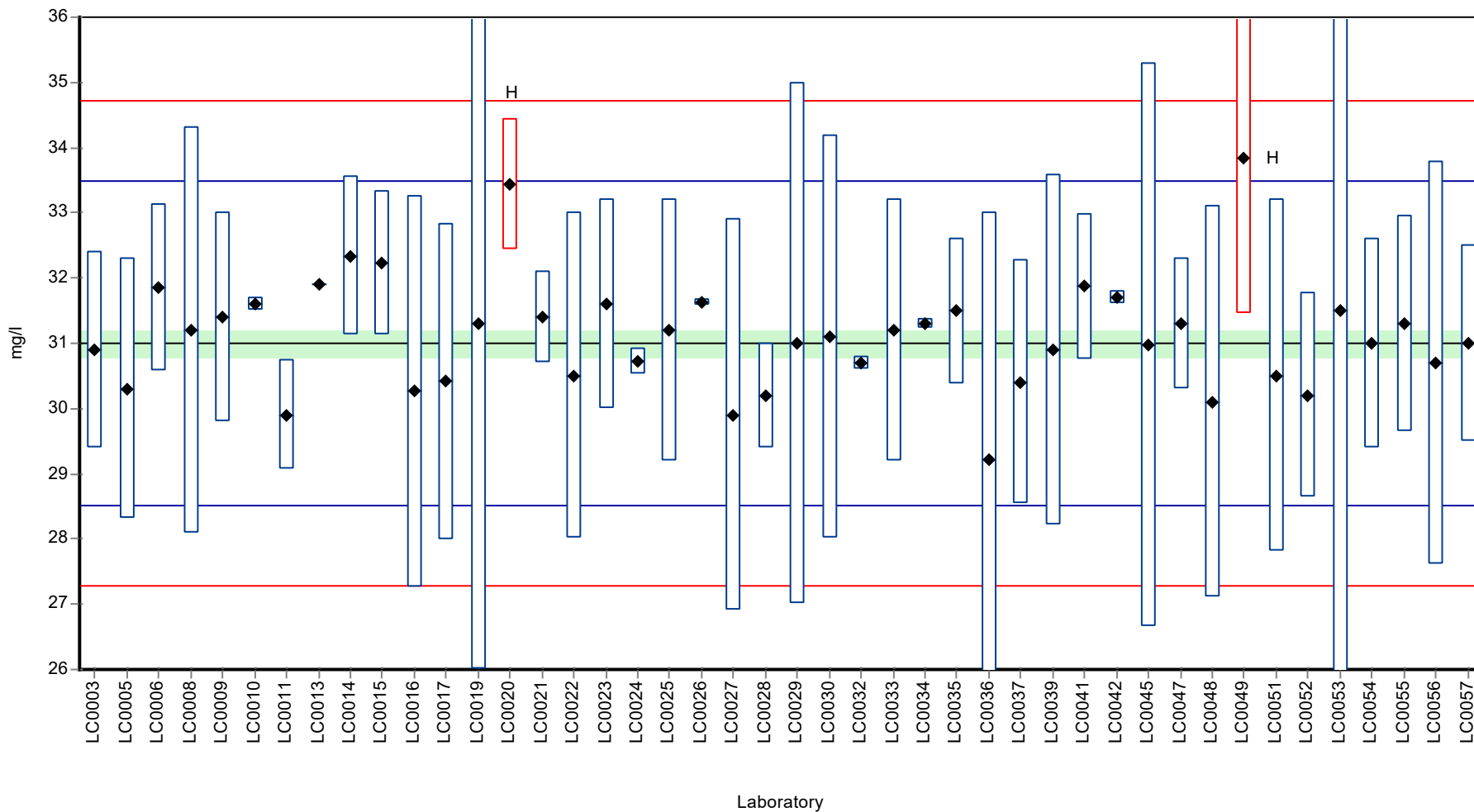
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	31.7	0.1	102	0.56	
LC0043	-	-	-	-	
LC0044	-	-	-	-	
LC0045	30.97	4.323	99.9	-0.03	
LC0046	-	-	-	-	
LC0047	31.3	1.01	101	0.24	
LC0048	30.1	3	97.1	-0.73	
LC0049	33.84	2.4	109	2.29	H
LC0050	-	-	-	-	
LC0051	30.5	2.7	98.4	-0.41	
LC0052	30.2	1.57	97.4	-0.65	
LC0053	31.5	6.3	102	0.4	
LC0054	31	1.6	100	0.00	
LC0055	31.3	1.65	101	0.24	
LC0056	30.7	3.1	99	-0.25	
LC0057	31	1.5	100	0.00	

Characteristics of parameter

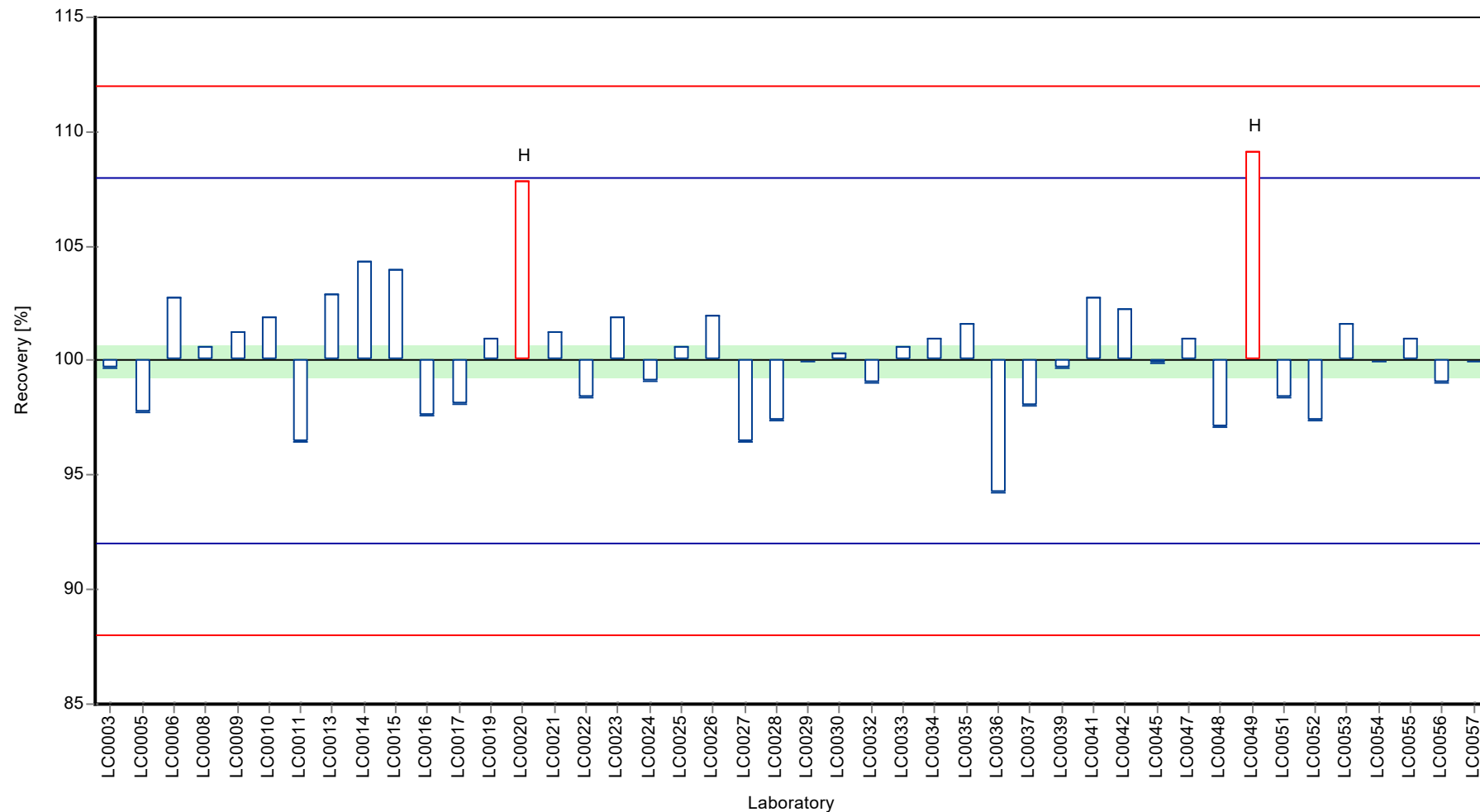
	all results	without outliers	Unit
Mean ± CI (99%)	31.1 ± 0.39	31 ± 0.313	mg/l
Minimum	29.2	29.2	mg/l
Maximum	33.8	32.3	mg/l
Standard deviation	0.863	0.676	mg/l
rel. standard deviation	2.77	2.18	%
n	44	42	-

Graphical presentation of results

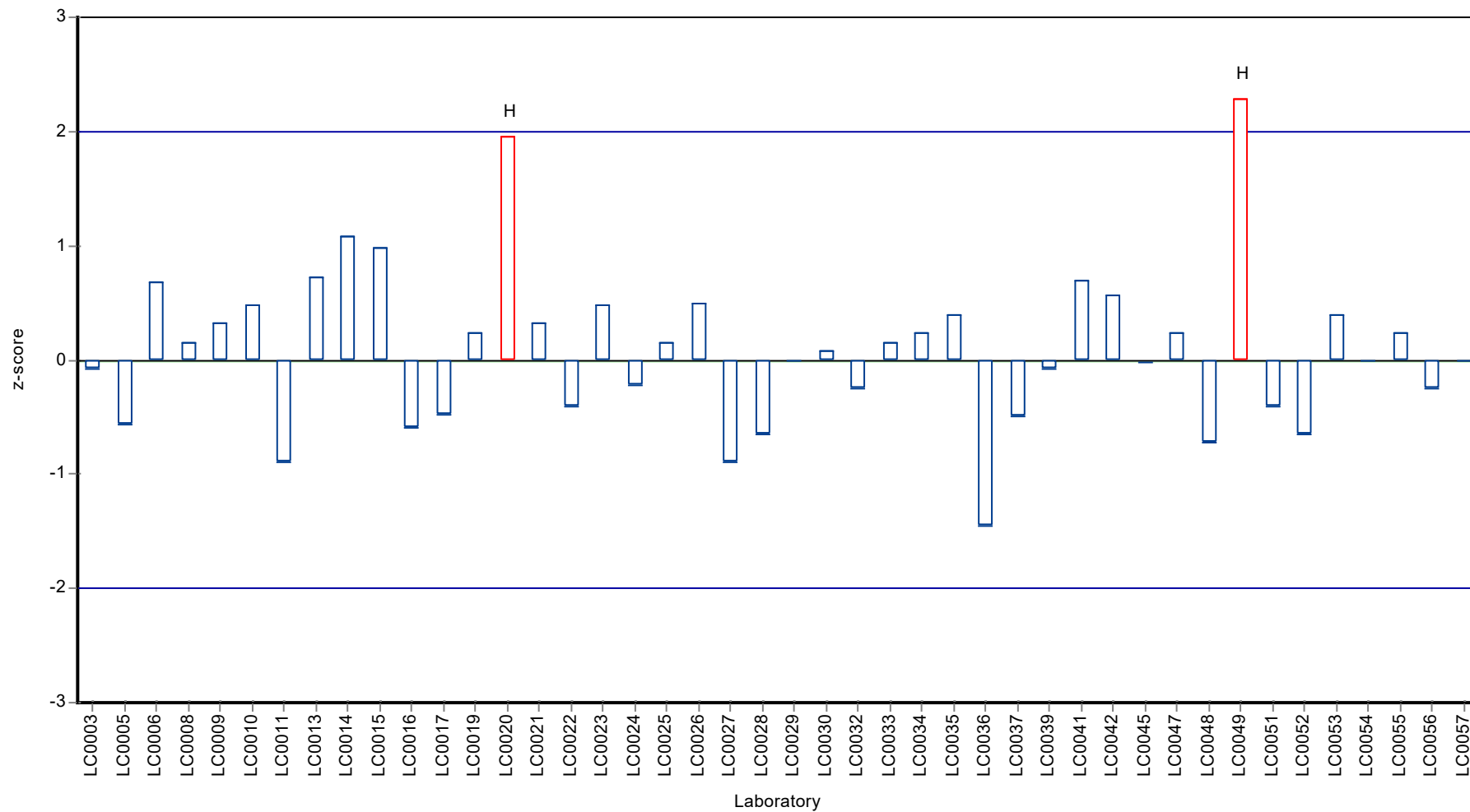
Results



Recovery rate



Z-score



Parameter oriented report

N150 B

Chloride

Unit	mg/l
Assigned value ± U (k=2)	11.5 ± 0.13
Criterion	0.459 (4 %)
Minimum - Maximum	10.2 - 12.7
Control test value ± U (k=2)	11.8 ± 0.589

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	11.3	0.56	98.5	-0.38	
LC0004	-	-	-	-	
LC0005	11.3	0.76	98.5	-0.38	
LC0006	11.93	0.477	104	0.99	
LC0007	-	-	-	-	
LC0008	11.7	1.17	102	0.49	
LC0009	11.3	0.6	98.5	-0.38	
LC0010	11.9	0.058	104	0.93	
LC0011	-	-	-	-	
LC0012	-	-	-	-	
LC0013	11.1	-	96.7	-0.82	
LC0014	11.2	0.45	97.6	-0.6	
LC0015	12.02	0.41	105	1.19	
LC0016	11.545	1.1	101	0.15	
LC0017	11.48	0.8	100	0.01	
LC0018	-	-	-	-	
LC0019	11.5	2.1	100	0.05	
LC0020	11.68	1	102	0.45	
LC0021	11.8	0.3	103	0.71	
LC0022	11.2	1.1	97.6	-0.6	
LC0023	11.7	0.7	102	0.49	
LC0024	11.34	0.2	98.8	-0.29	
LC0025	12.1	0.8	105	1.36	
LC0026	11.678	0.041	102	0.44	
LC0027	11	1.1	95.9	-1.04	
LC0028	11.5	0.25	100	0.05	
LC0029	11	2	95.9	-1.04	
LC0030	11.2	1.1	97.6	-0.6	
LC0031	-	-	-	-	
LC0032	11.7	0.16	102	0.49	
LC0033	11.7	0.8	102	0.49	
LC0034	11.8	0.1	103	0.71	
LC0035	11.6	0.41	101	0.27	
LC0036	11.029	1.438	96.1	-0.97	
LC0037	11.4	0.7	99.3	-0.16	
LC0038	-	-	-	-	
LC0039	11.9	1	104	0.93	
LC0040	10.22	1.02	89.1	-2.74	
LC0041	11.04	0.39	96.2	-0.95	

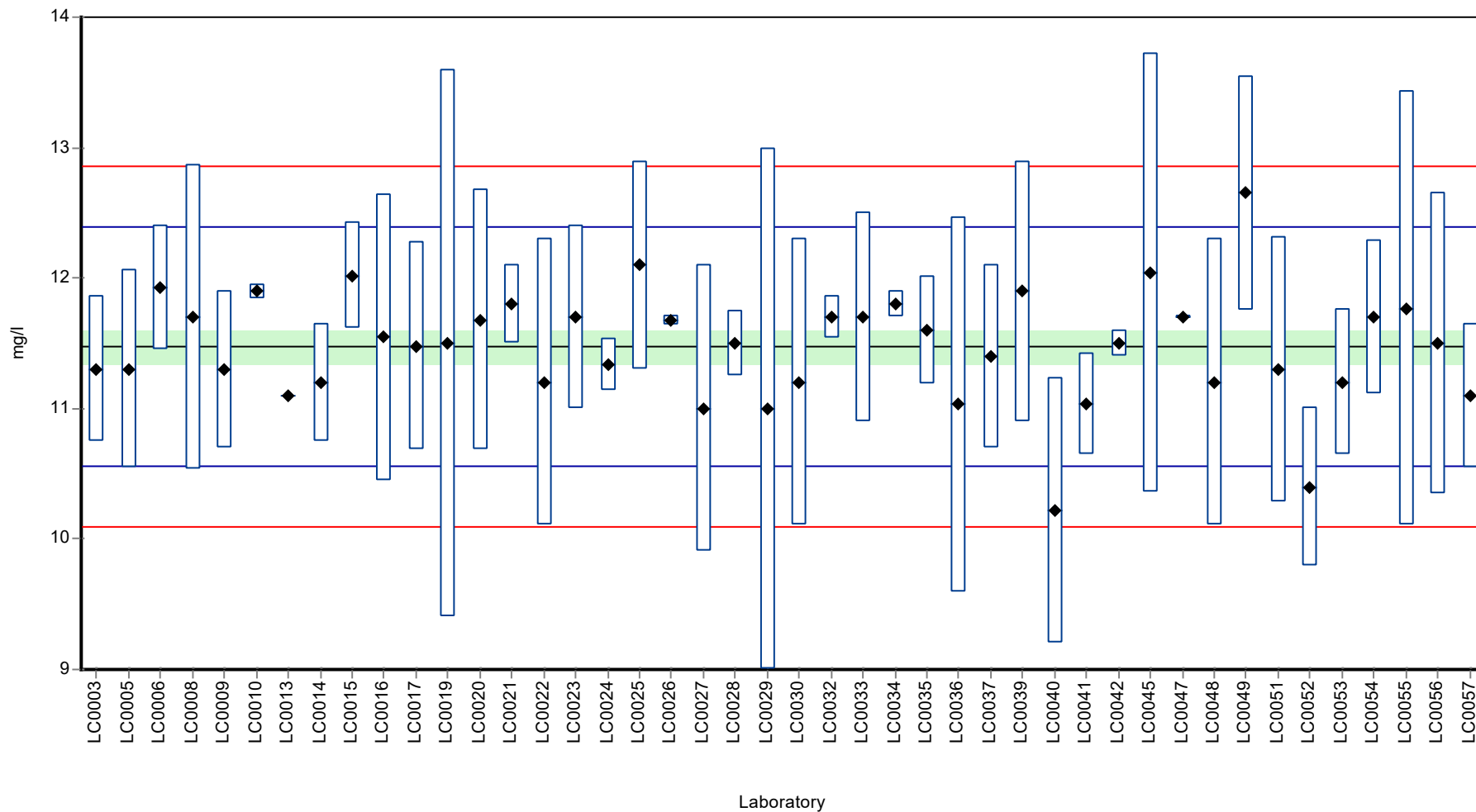
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	11.5	0.1	100	0.05	
LC0043	-	-	-	-	
LC0044	-	-	-	-	
LC0045	12.04	1.681	105	1.23	
LC0046	-	-	-	-	
LC0047	11.7	0.01	102	0.49	
LC0048	11.2	1.1	97.6	-0.6	
LC0049	12.65	0.9	110	2.56	
LC0050	-	-	-	-	
LC0051	11.3	1.02	98.5	-0.38	
LC0052	10.4	0.61	90.6	-2.34	
LC0053	11.2	0.56	97.6	-0.6	
LC0054	11.7	0.59	102	0.49	
LC0055	11.77	1.66	103	0.64	
LC0056	11.5	1.15	100	0.05	
LC0057	11.1	0.55	96.7	-0.82	

Characteristics of parameter

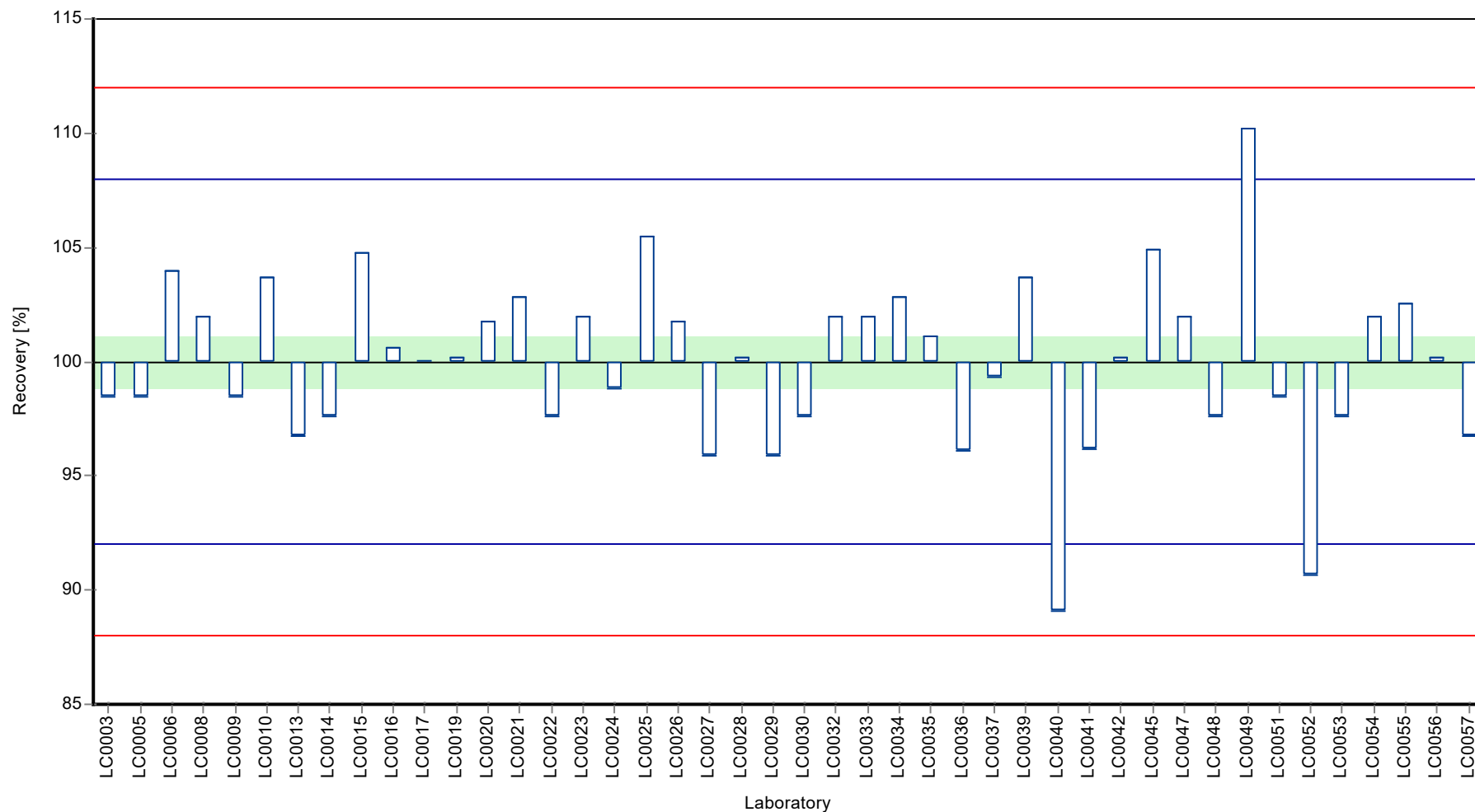
	all results	without outliers	Unit
Mean ± CI (99%)	11.5 ± 0.196	11.5 ± 0.196	mg/l
Minimum	10.2	10.2	mg/l
Maximum	12.7	12.7	mg/l
Standard deviation	0.432	0.432	mg/l
rel. standard deviation	3.77	3.77	%
n	44	44	-

Graphical presentation of results

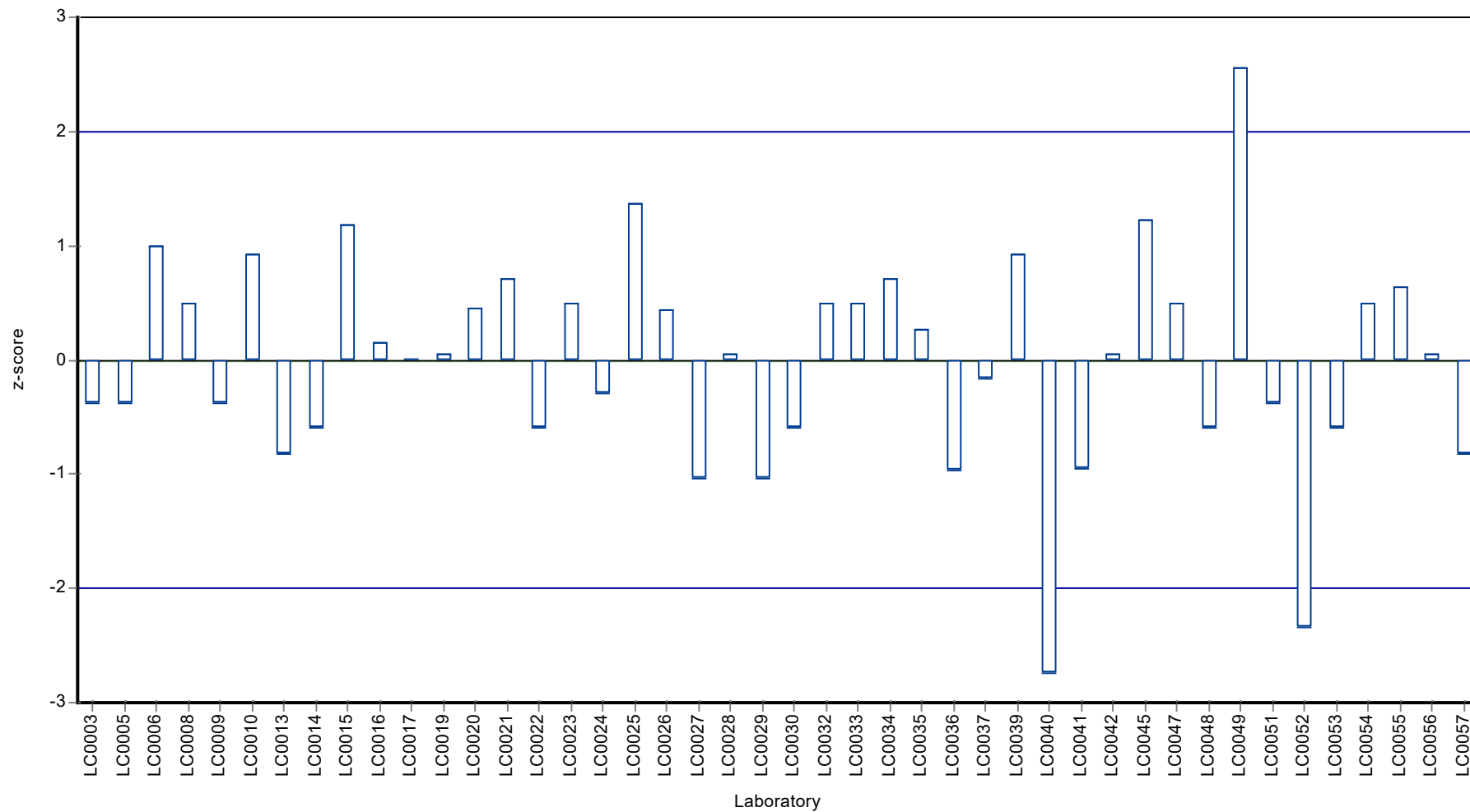
Results



Recovery rate



Z-score



Parameter oriented report

N150 A DOC

DOC (as C)

Unit	mg/l
Assigned value ± U (k=2)	1.85 ± 0.0645
Criterion	0.185 (10 %)
Minimum - Maximum	1.45 - 2.31
Control test value ± U (k=2)	1.74 ± 0.192

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	1.82	0.09	98.3	-0.17	
LC0004	-	-	-	-	
LC0005	1.79	0.29	96.7	-0.33	
LC0006	1.9	0.15	103	0.26	
LC0007	-	-	-	-	
LC0008	1.6	0.32	86.4	-1.36	
LC0009	1.79	0.18	96.7	-0.33	
LC0010	1.82	0.025	98.3	-0.17	
LC0011	-	-	-	-	
LC0012	-	-	-	-	
LC0013	-	-	-	-	
LC0014	2.24	0.45	121	2.1	
LC0015	-	-	-	-	
LC0016	1.76	0.16	95.1	-0.49	
LC0017	1.8	0.25	97.2	-0.28	
LC0018	2.1	0.15	113	1.34	
LC0019	1.53	0.26	82.6	-1.74	
LC0020	-	-	-	-	
LC0021	1.84	0.17	99.4	-0.06	
LC0022	2.31	0.52	125	2.48	
LC0023	1.64	0.15	88.6	-1.14	
LC0024	45.65	0.2	2470	237	H
LC0025	-	-	-	-	
LC0026	2.00419	0.03	108	0.83	
LC0027	1.83	0.18	98.9	-0.12	
LC0028	2.07	0.25	112	1.18	
LC0029	1.97	0.2	106	0.64	
LC0030	2.1	0.2	113	1.34	
LC0031	1.45	0.08	78.3	-2.17	
LC0032	1.805	0.028	97.5	-0.25	
LC0033	1.85	0.3	99.9	-0.01	
LC0034	1.93	0.04	104	0.43	
LC0035	2.71	0.31	146	4.64	H
LC0036	1.97	0.17	106	0.64	
LC0037	1.6	0.2	86.4	-1.36	
LC0038	-	-	-	-	
LC0039	1.79	0.0895	96.7	-0.33	
LC0040	-	-	-	-	
LC0041	2.53	0.3	137	3.67	H

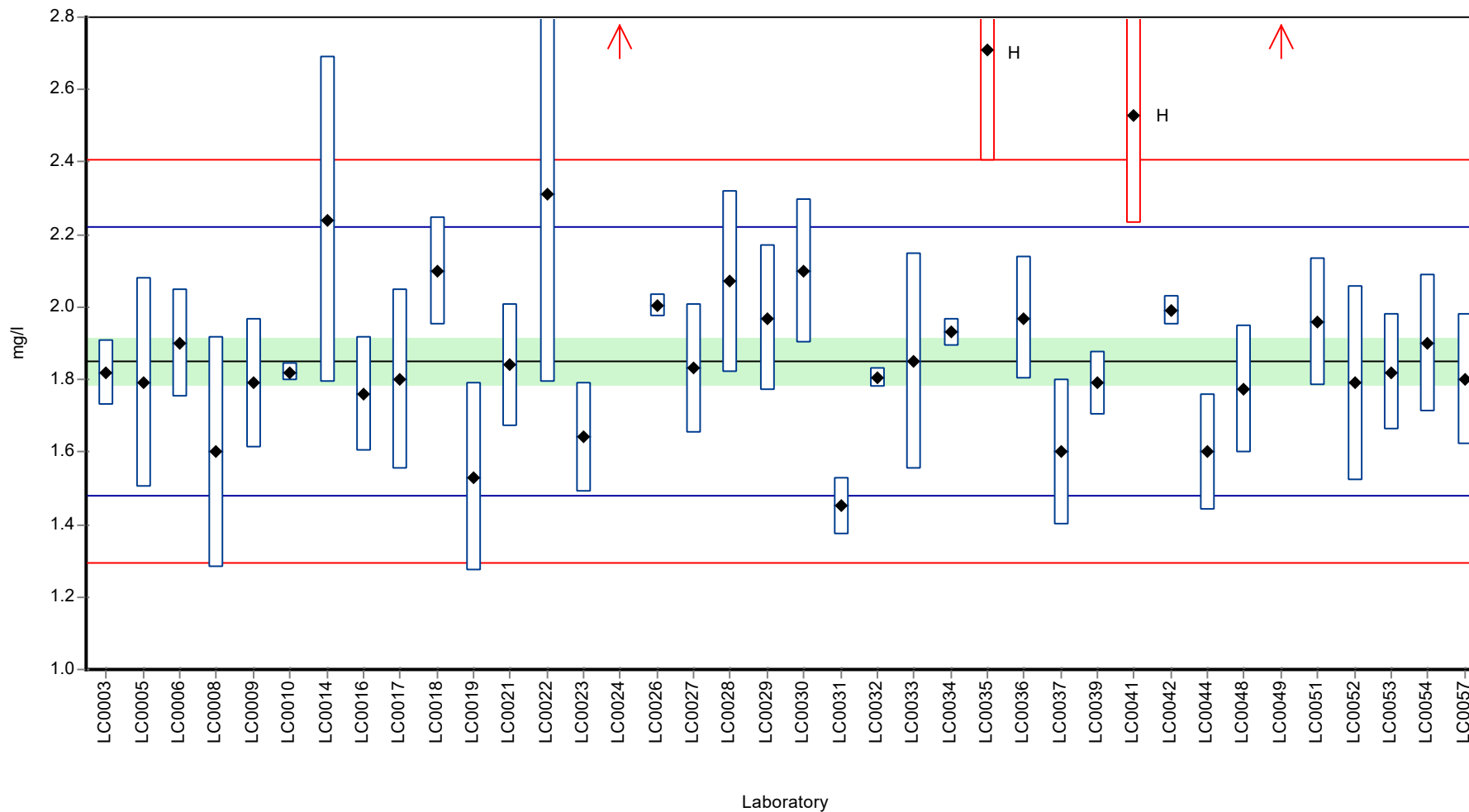
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	1.99	0.04	107	0.75	
LC0043	-	-	-	-	
LC0044	1.6	0.16	86.4	-1.36	
LC0045	-	-	-	-	
LC0046	-	-	-	-	
LC0047	-	-	-	-	
LC0048	1.772	0.1772	95.7	-0.43	
LC0049	4.2	0.3	227	12.7	H
LC0050	-	-	-	-	
LC0051	1.96	0.176	106	0.59	
LC0052	1.79	0.27	96.7	-0.33	
LC0053	1.82	0.16	98.3	-0.17	
LC0054	1.9	0.19	103	0.26	
LC0055	-	-	-	-	
LC0056	-	-	-	-	
LC0057	1.8	0.18	97.2	-0.28	

Characteristics of parameter

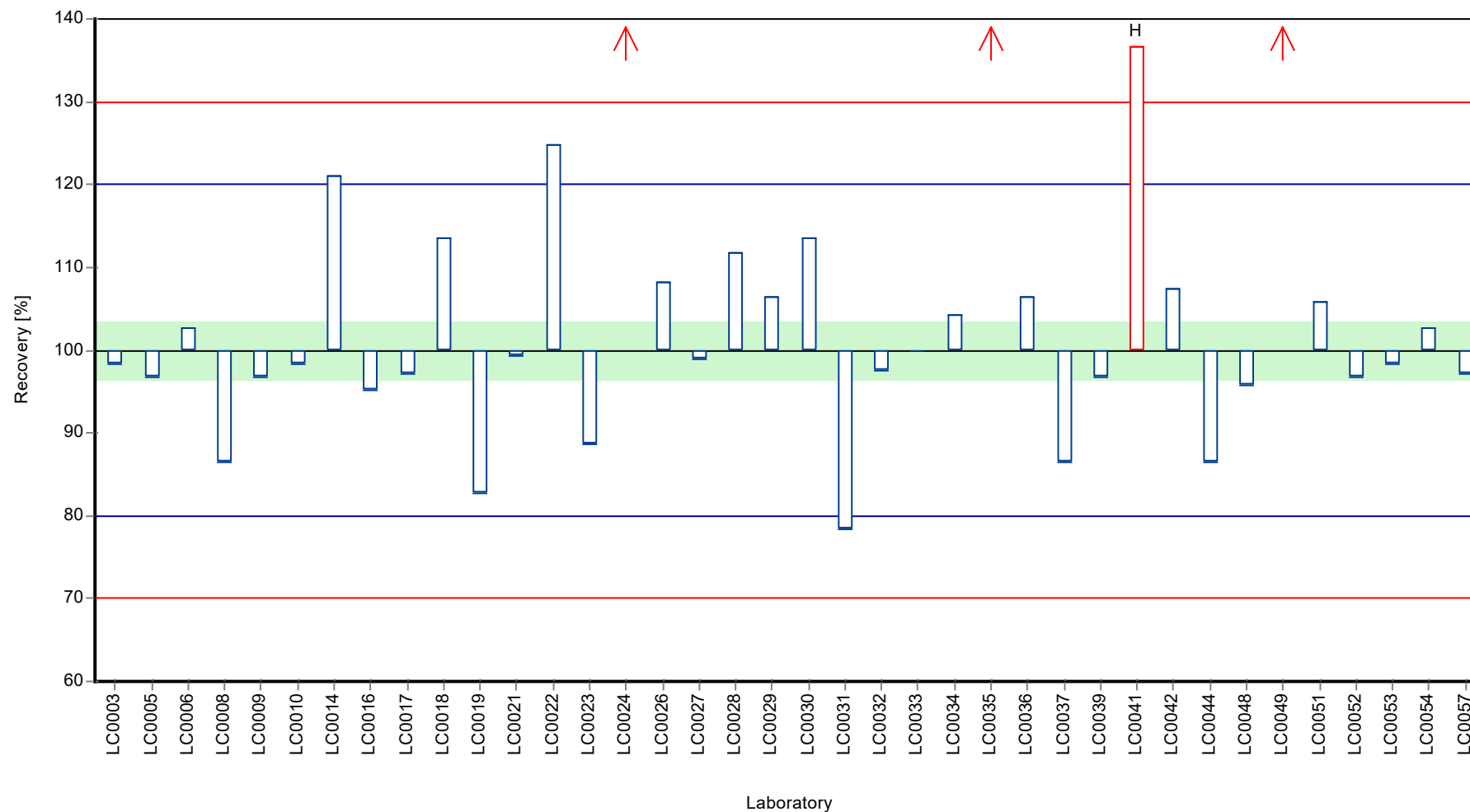
	all results	without outliers	Unit
Mean ± CI (99%)	3.11 ± 3.46	1.85 ± 0.0967	mg/l
Minimum	1.45	1.45	mg/l
Maximum	45.7	2.31	mg/l
Standard deviation	7.1	0.188	mg/l
rel. standard deviation	229	10.2	%
n	38	34	-

Graphical presentation of results

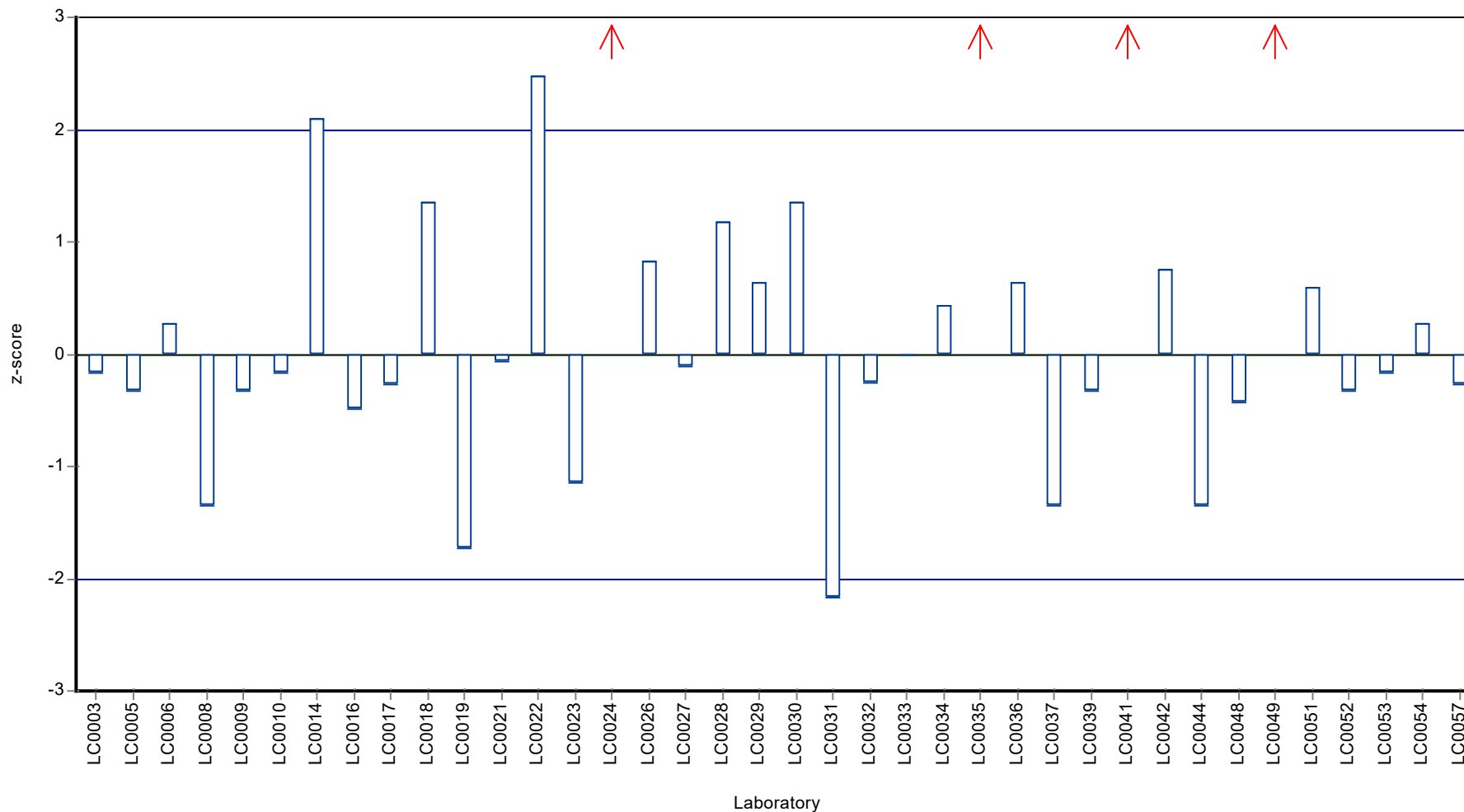
Results



Recovery rate



Z-score



Parameter oriented report

N150 B DOC

DOC (as C)

Unit	mg/l
Assigned value ± U (k=2)	2.45 ± 0.0593
Criterion	0.245 (10 %)
Minimum - Maximum	2.02 - 2.78
Control test value ± U (k=2)	2.28 ± 0.251

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	2.37	0.12	96.9	-0.31	
LC0004	-	-	-	-	
LC0005	2.42	0.39	98.9	-0.11	
LC0006	2.5	0.2	102	0.22	
LC0007	-	-	-	-	
LC0008	2.3	0.46	94	-0.6	
LC0009	2.32	0.23	94.8	-0.52	
LC0010	2.5	0.017	102	0.22	
LC0011	-	-	-	-	
LC0012	-	-	-	-	
LC0013	-	-	-	-	
LC0014	2.78	0.56	114	1.37	
LC0015	-	-	-	-	
LC0016	2.46	0.22	101	0.06	
LC0017	2.46	0.34	101	0.06	
LC0018	2.7	0.05	110	1.04	
LC0019	2.03	0.29	83	-1.7	
LC0020	-	-	-	-	
LC0021	2.44	0.22	99.8	-0.02	
LC0022	2.77	0.59	113	1.32	
LC0023	2.4	0.22	98.1	-0.19	
LC0024	2.5	0.2	102	0.22	
LC0025	-	-	-	-	
LC0026	3.809	0.09	156	5.57	H
LC0027	2.59	0.26	106	0.59	
LC0028	2.98	0.25	122	2.18	H
LC0029	2.6	0.3	106	0.63	
LC0030	2.5	0.3	102	0.22	
LC0031	2.02	0.11	82.6	-1.74	
LC0032	2.407	0.03	98.4	-0.16	
LC0033	2.46	0.4	101	0.06	
LC0034	2.32	0.04	94.8	-0.52	
LC0035	3.3	0.37	135	3.49	H
LC0036	2.5	0.221	102	0.22	
LC0037	2.34	0.2	95.7	-0.43	
LC0038	-	-	-	-	
LC0039	2.51	0.126	103	0.26	
LC0040	-	-	-	-	
LC0041	3.21	0.39	131	3.12	H

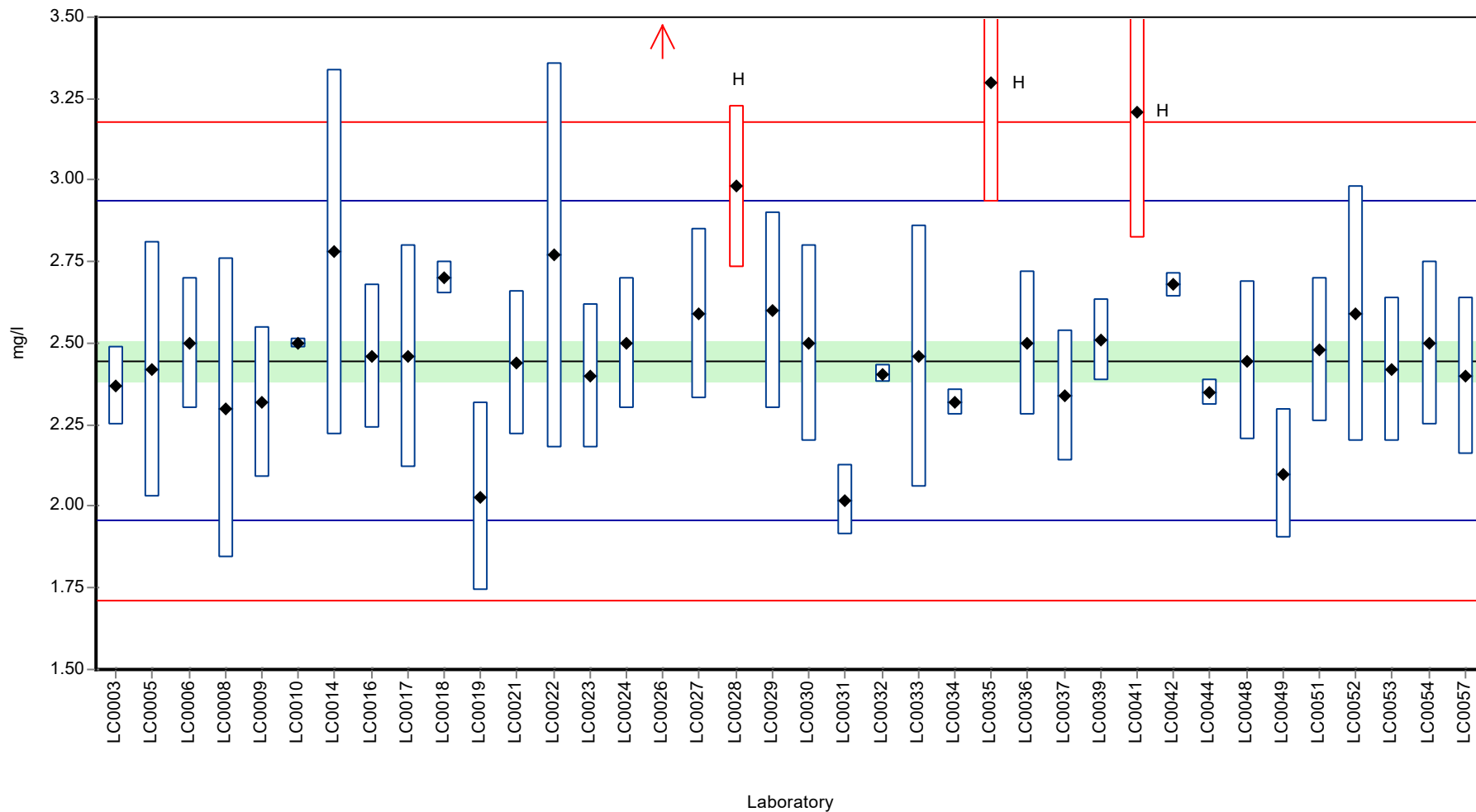
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	2.68	0.037	110	0.96	
LC0043	-	-	-	-	
LC0044	2.35	0.04	96.1	-0.39	
LC0045	-	-	-	-	
LC0046	-	-	-	-	
LC0047	-	-	-	-	
LC0048	2.447	0.2447	100	0.00	
LC0049	2.1	0.2	85.9	-1.41	
LC0050	-	-	-	-	
LC0051	2.48	0.223	101	0.14	
LC0052	2.59	0.39	106	0.59	
LC0053	2.42	0.22	98.9	-0.11	
LC0054	2.5	0.25	102	0.22	
LC0055	-	-	-	-	
LC0056	-	-	-	-	
LC0057	2.4	0.24	98.1	-0.19	

Characteristics of parameter

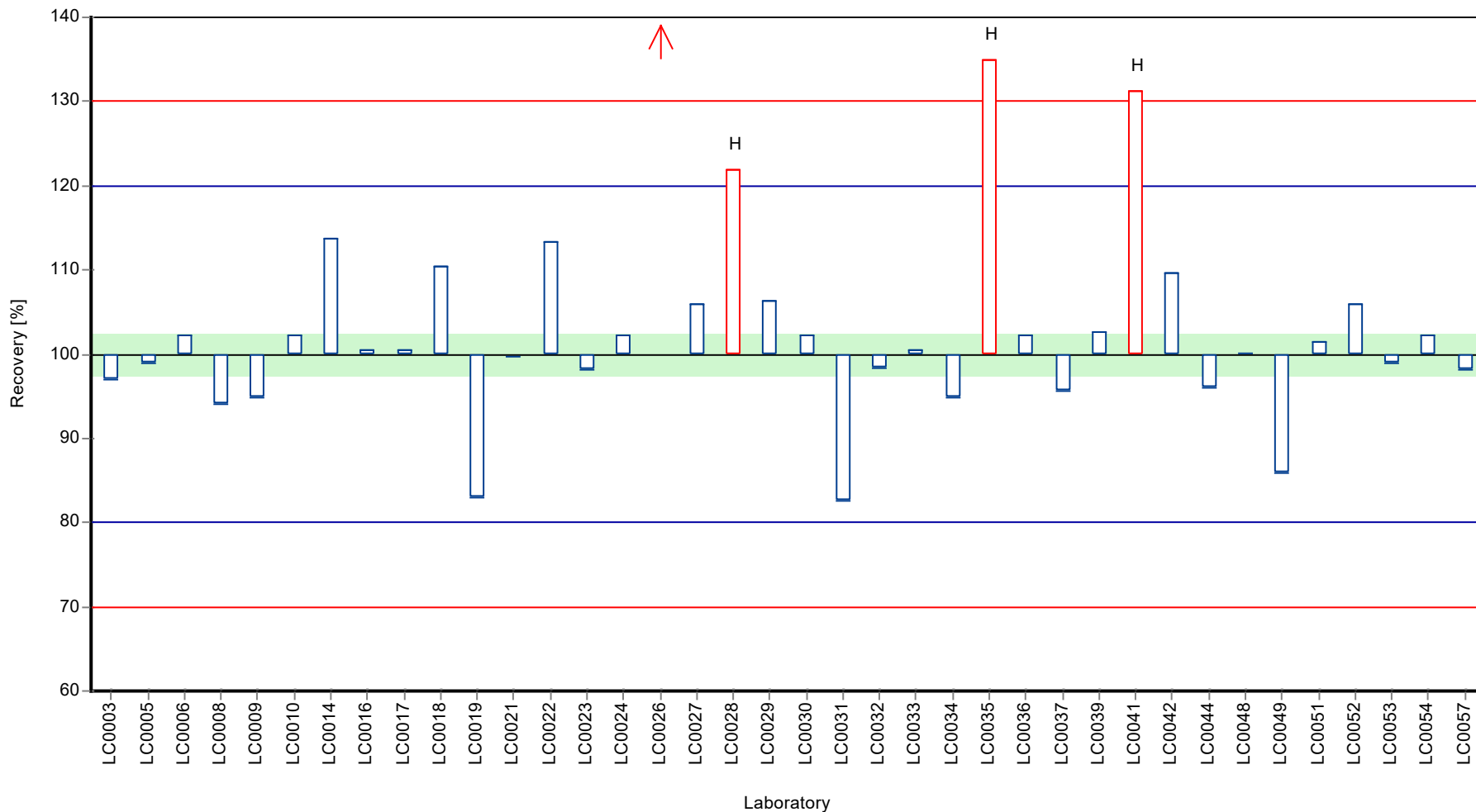
	all results	without outliers	Unit
Mean ± CI (99%)	2.54 ± 0.162	2.45 ± 0.0889	mg/l
Minimum	2.02	2.02	mg/l
Maximum	3.81	2.78	mg/l
Standard deviation	0.334	0.173	mg/l
rel. standard deviation	13.1	7.06	%
n	38	34	-

Graphical presentation of results

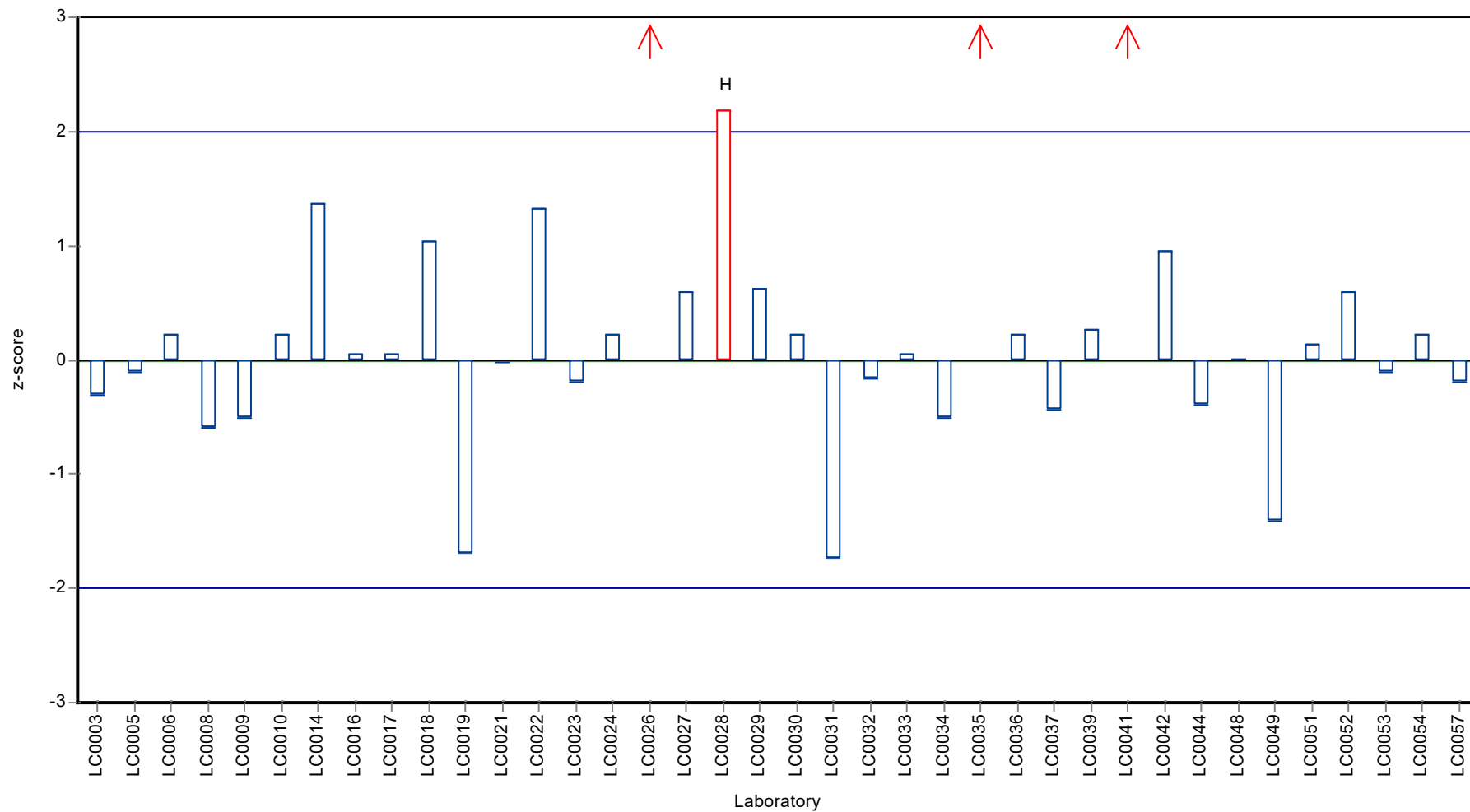
Results



Recovery rate



Z-score



Parameter oriented report

N150 A

El. conductivity (25°C)

Unit	µS/cm
Assigned value ± U (k=2)	545 ± 2.62
Criterion	7.09 (1.3 %)
Minimum - Maximum	521 - 564
Control test value ± U (k=2)	551 ± 11

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	548	15	101	0.41	
LC0002	545	30	100	-0.02	
LC0003	550	5.5	101	0.69	
LC0004	536	11	98.3	-1.29	
LC0005	546	16	100	0.13	
LC0006	530	21.2	97.2	-2.13	
LC0007	-	-	-	-	
LC0008	521	5.2	95.6	-3.4	
LC0009	552	22	101	0.97	
LC0010	538	1	98.7	-1	
LC0011	-	-	-	-	
LC0012	551	1.04	101	0.83	
LC0013	472	-	86.6	-10.3	H
LC0014	466	6.06	85.5	-11.2	H
LC0015	535	15	98.1	-1.43	
LC0016	549	4.51	101	0.55	
LC0017	545	11	100	-0.02	
LC0018	540	1.3	99.1	-0.72	
LC0019	549	13	101	0.55	
LC0020	551.5	2	101	0.9	
LC0021	535	9	98.1	-1.43	
LC0022	548	22	101	0.41	
LC0023	546	16	100	0.13	
LC0024	536.2	2	98.4	-1.26	
LC0025	525	5	96.3	-2.84	
LC0026	543	12	99.6	-0.3	
LC0027	545	55	100	-0.02	
LC0028	557	3	102	1.68	
LC0029	512	25	93.9	-4.67	H
LC0030	554	55	102	1.25	
LC0031	552	11	101	0.97	
LC0032	538	2.8	98.7	-1	
LC0033	546	22	100	0.13	
LC0034	551	0.33	101	0.83	
LC0035	340	6.8	62.4	-28.9	H
LC0036	548	11	101	0.41	
LC0037	534	13	98	-1.57	
LC0038	558	15	102	1.82	
LC0039	535	56.7	98.1	-1.43	
LC0040	-	-	-	-	
LC0041	-	-	-	-	

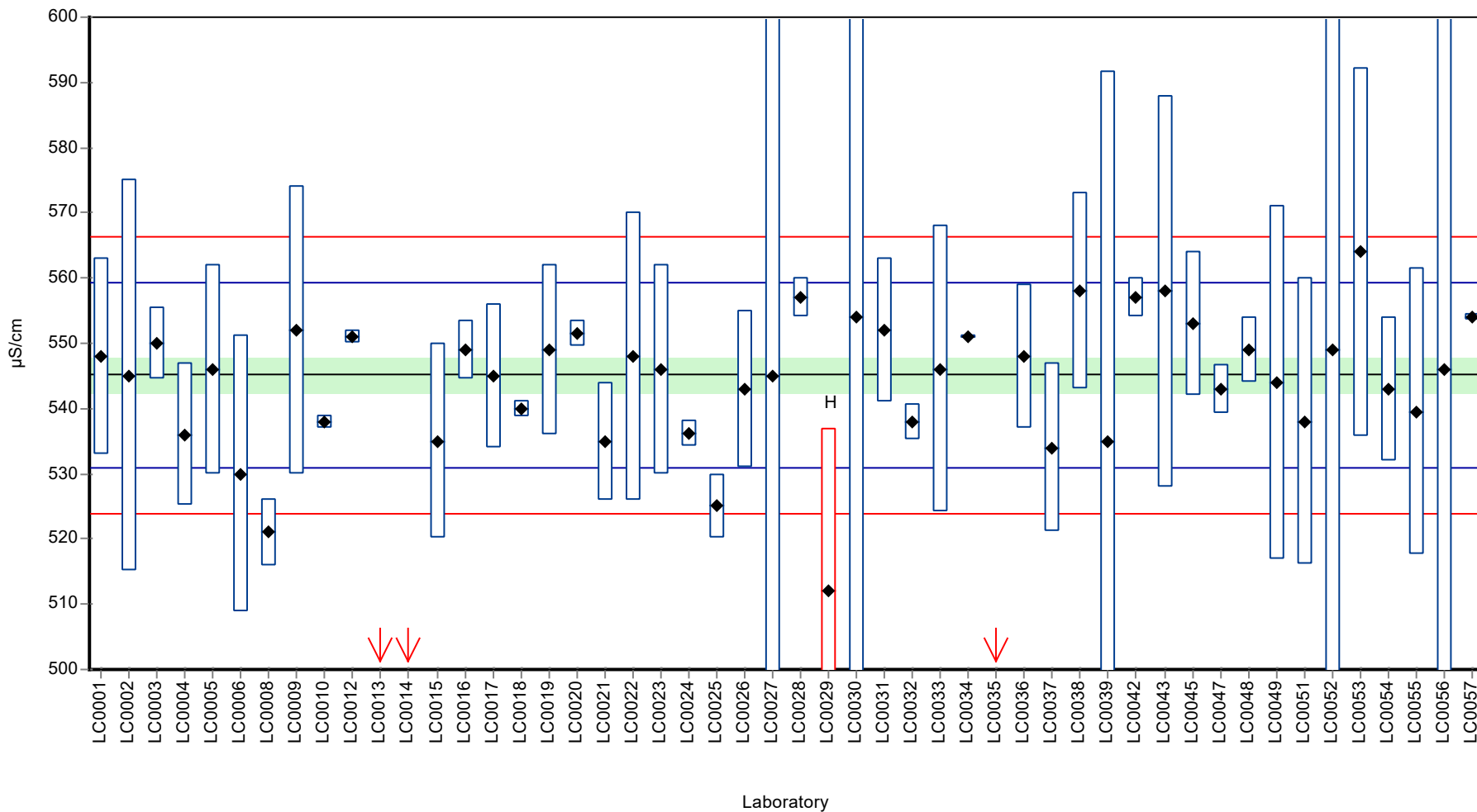
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	557	3	102	1.68	
LC0043	558	30	102	1.82	
LC0044	-	-	-	-	
LC0045	553	11.06	101	1.11	
LC0046	-	-	-	-	
LC0047	543	3.85	99.6	-0.3	
LC0048	549	5	101	0.55	
LC0049	544	27.2	99.8	-0.16	
LC0050	-	-	-	-	
LC0051	538	22	98.7	-1	
LC0052	549	82.35	101	0.55	
LC0053	564	28.2	103	2.67	
LC0054	543	11	99.6	-0.3	
LC0055	539.5	22	99	-0.79	
LC0056	546	54.6	100	0.13	
LC0057	554	0.55	102	1.25	

Characteristics of parameter

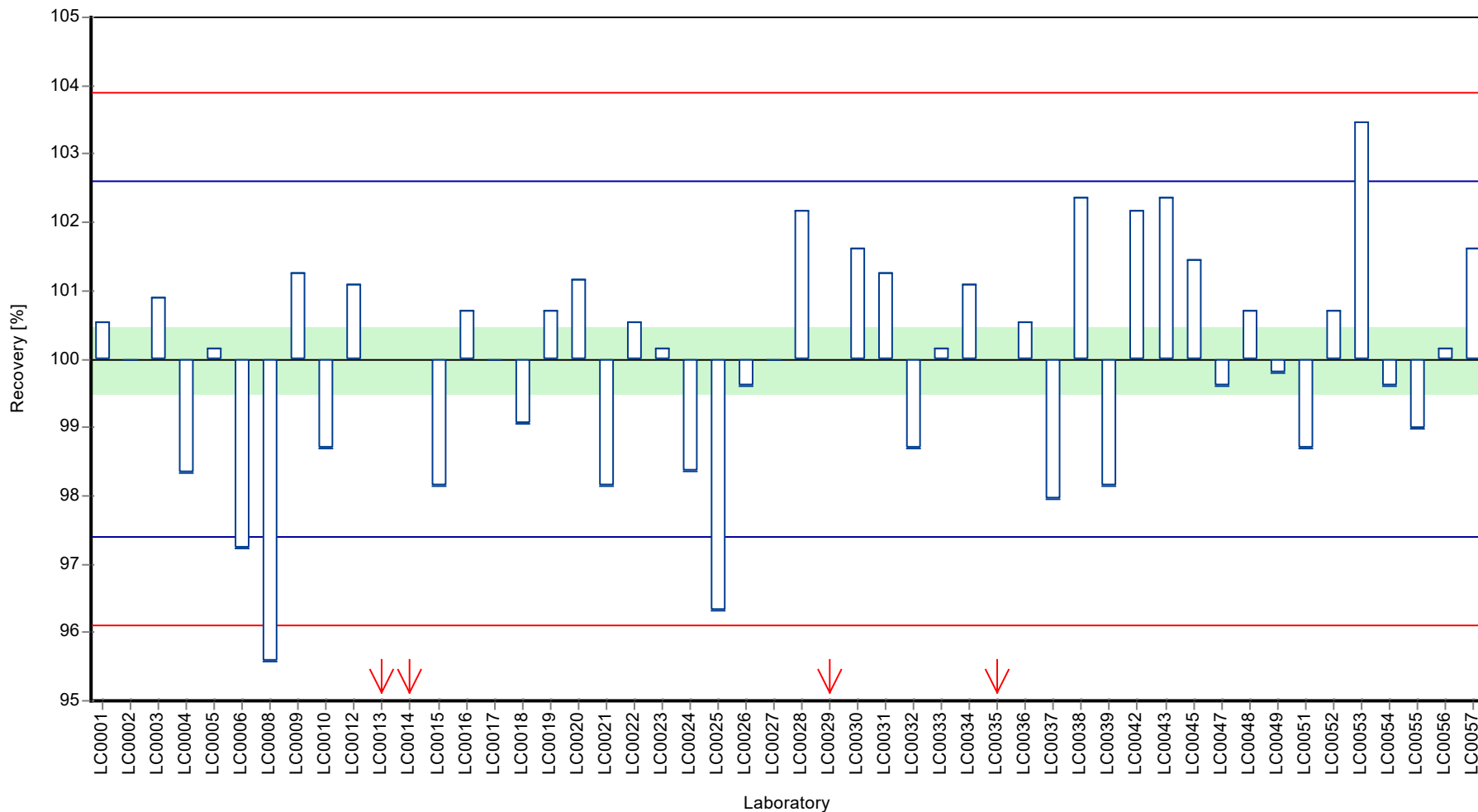
	all results	without outliers	Unit
Mean ± CI (99%)	537 ± 14.2	545 ± 3.92	µS/cm
Minimum	340	521	µS/cm
Maximum	564	564	µS/cm
Standard deviation	33.6	8.87	µS/cm
rel. standard deviation	6.25	1.63	%
n	50	46	-

Graphical presentation of results

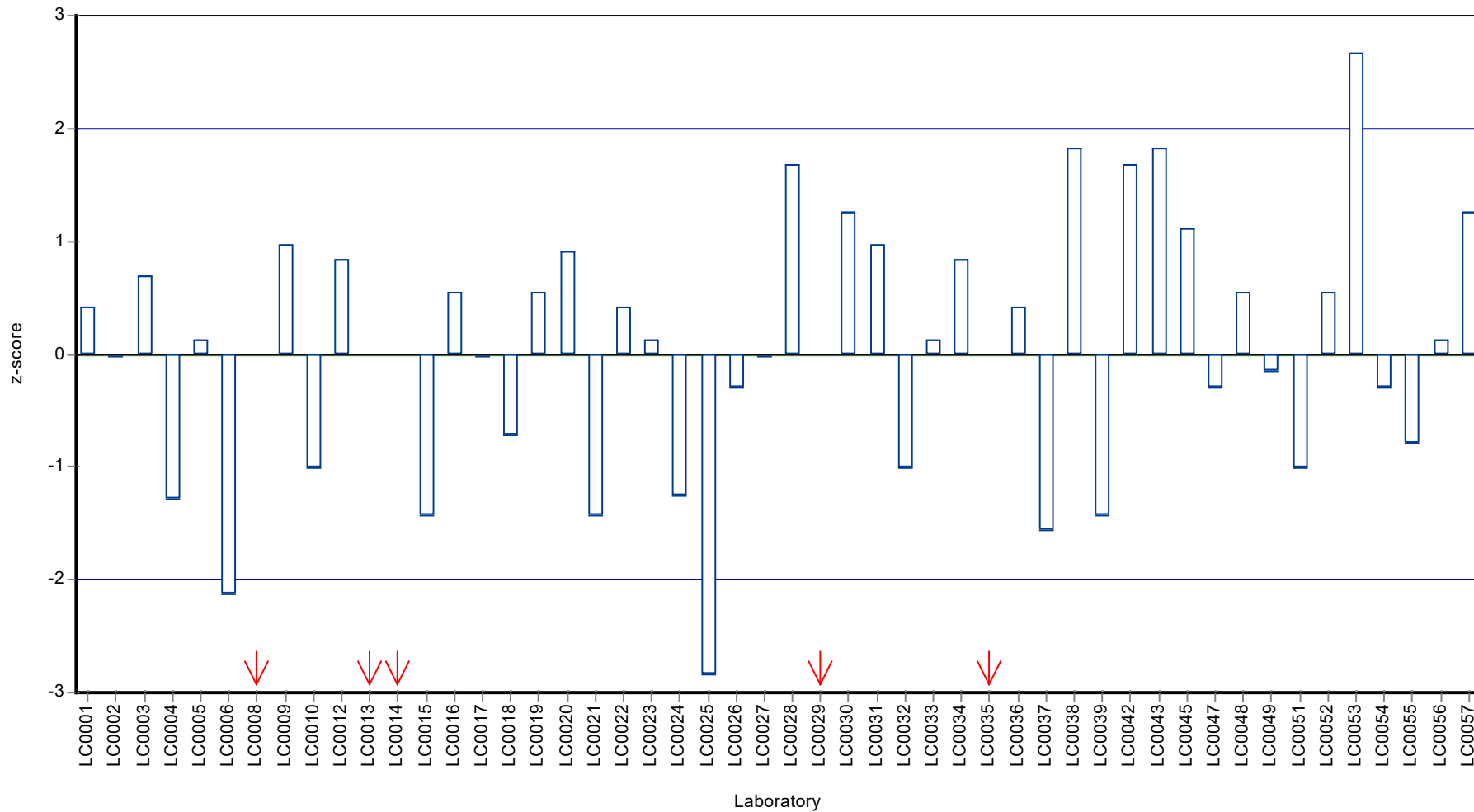
Results



Recovery rate



Z-score



Parameter oriented report

N150 B

El. conductivity (25°C)

Unit	µS/cm
Assigned value ± U (k=2)	350 ± 1.44
Criterion	4.56 (1.3 %)
Minimum - Maximum	337 - 360
Control test value ± U (k=2)	353 ± 7.06

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	353	15	101	0.56	
LC0002	352	30	100	0.34	
LC0003	352	3.5	100	0.34	
LC0004	346	7	98.7	-0.98	
LC0005	352	11	100	0.34	
LC0006	332	13.3	94.7	-4.05	H
LC0007	-	-	-	-	
LC0008	347	3.5	99	-0.76	
LC0009	358	14	102	1.65	
LC0010	346	0.577	98.7	-0.98	
LC0011	-	-	-	-	
LC0012	351	0.66	100	0.12	
LC0013	337	-	96.2	-2.95	
LC0014	299	3.89	85.3	-11.3	H
LC0015	352	10.2	100	0.34	
LC0016	351	4.51	100	0.12	
LC0017	352	7	100	0.34	
LC0018	347	0.8	99	-0.76	
LC0019	351	8.8	100	0.12	
LC0020	351	2	100	0.12	
LC0021	344	6	98.2	-1.42	
LC0022	351	14	100	0.12	
LC0023	350	11	99.9	-0.1	
LC0024	343.7	2	98.1	-1.48	
LC0025	351	5	100	0.12	
LC0026	351	1	100	0.12	
LC0027	352	35	100	0.34	
LC0028	356	3	102	1.22	
LC0029	329	17	93.9	-4.71	H
LC0030	356	36	102	1.22	
LC0031	372	7	106	4.73	H
LC0032	345	0.96	98.4	-1.2	
LC0033	350	14	99.9	-0.1	
LC0034	353	0.04	101	0.56	
LC0035	529	10.6	151	39.2	H
LC0036	351	6.7	100	0.12	
LC0037	342	8.4	97.6	-1.86	
LC0038	360	12	103	2.09	
LC0039	346	36.7	98.7	-0.98	
LC0040	323	10	92.2	-6.03	H
LC0041	-	-	-	-	

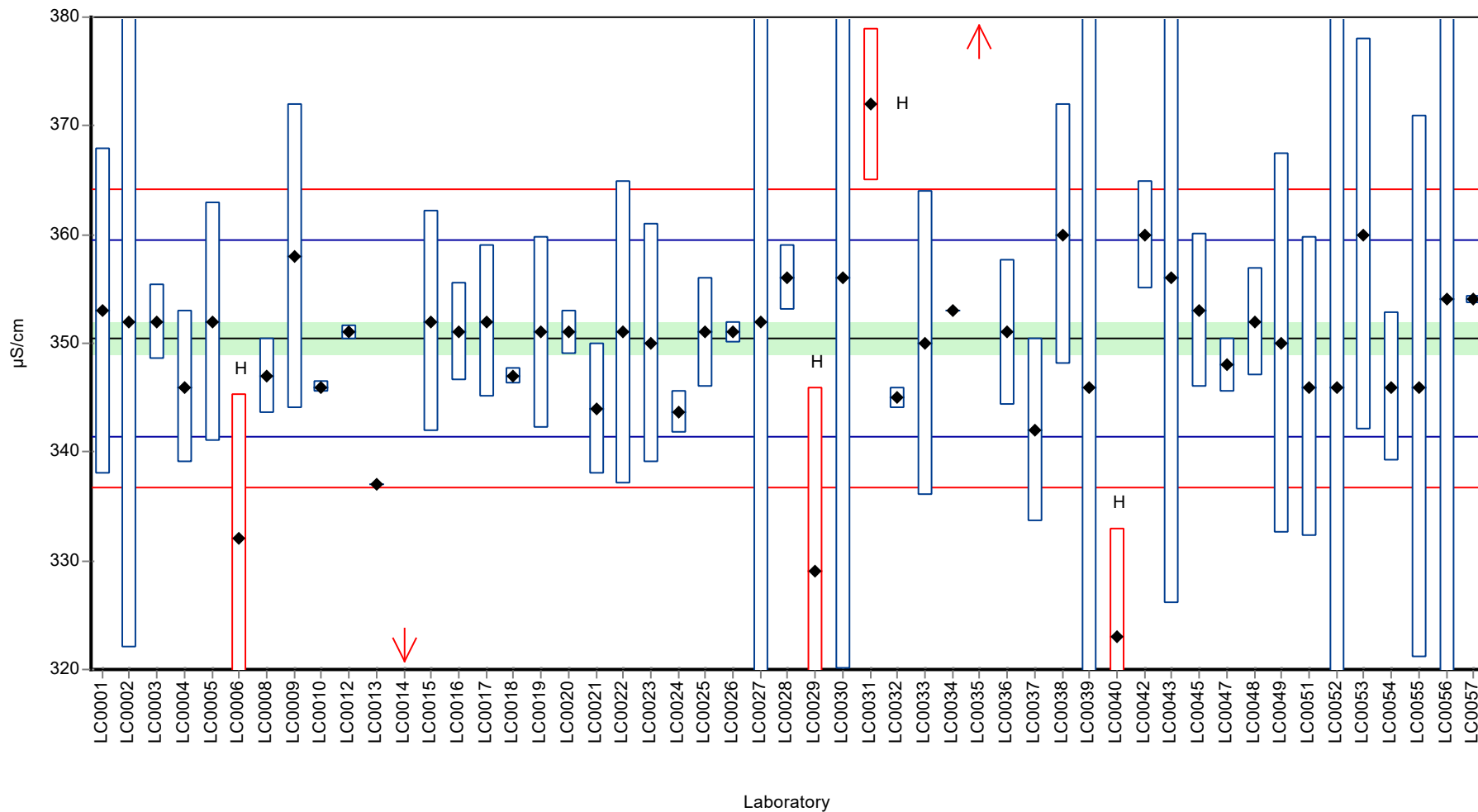
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	360	5	103	2.09	
LC0043	356	30	102	1.22	
LC0044	-	-	-	-	
LC0045	353	7.06	101	0.56	
LC0046	-	-	-	-	
LC0047	348	2.46	99.3	-0.54	
LC0048	352	5	100	0.34	
LC0049	350	17.5	99.9	-0.1	
LC0050	-	-	-	-	
LC0051	346	13.8	98.7	-0.98	
LC0052	346	51.9	98.7	-0.98	
LC0053	360	18	103	2.09	
LC0054	346	6.9	98.7	-0.98	
LC0055	346	25	98.7	-0.98	
LC0056	354	35.4	101	0.78	
LC0057	354	0.35	101	0.78	

Characteristics of parameter

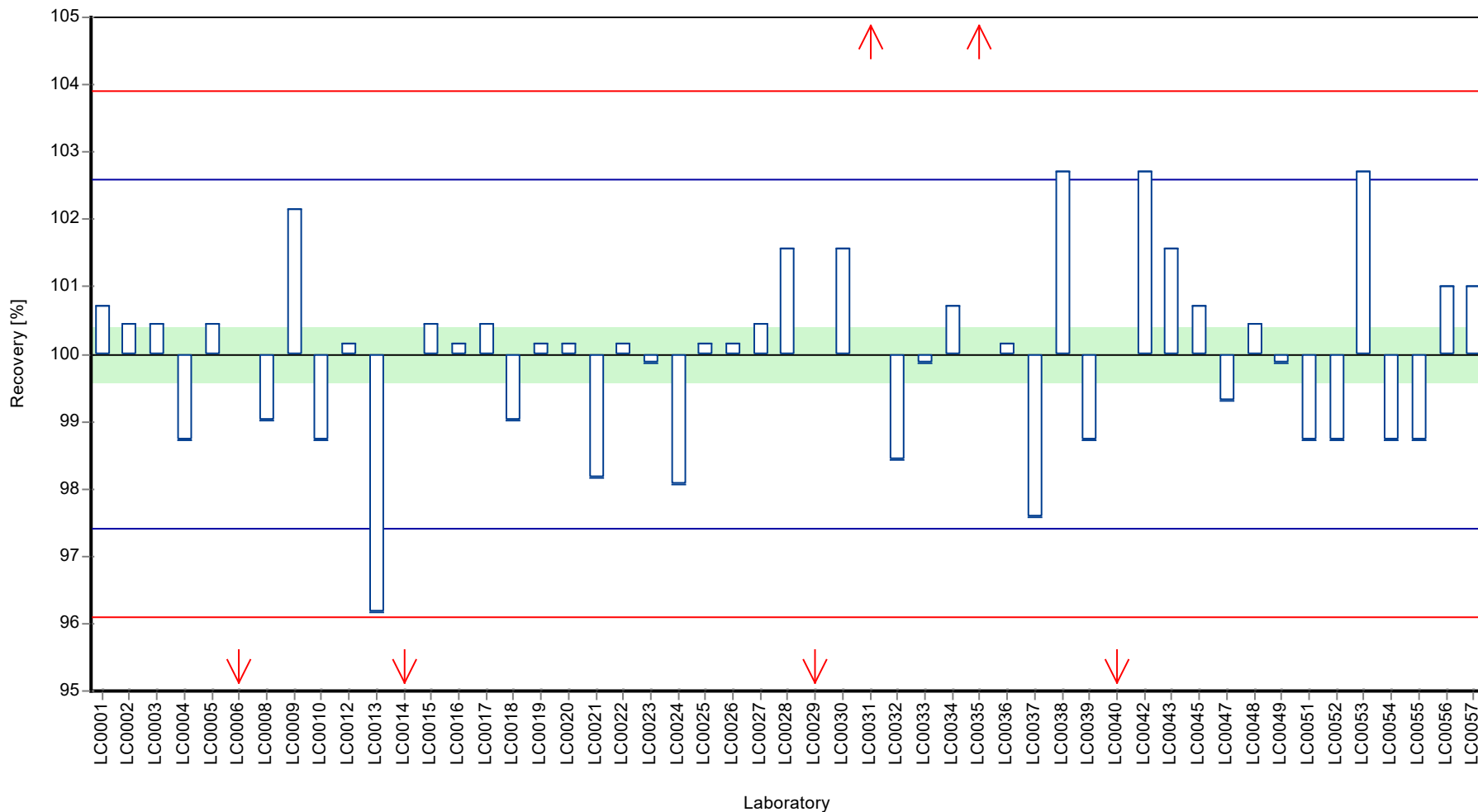
	all results	without outliers	Unit
Mean ± CI (99%)	352 ± 11.5	350 ± 2.16	µS/cm
Minimum	299	337	µS/cm
Maximum	529	360	µS/cm
Standard deviation	27.4	4.83	µS/cm
rel. standard deviation	7.77	1.38	%
n	51	45	-

Graphical presentation of results

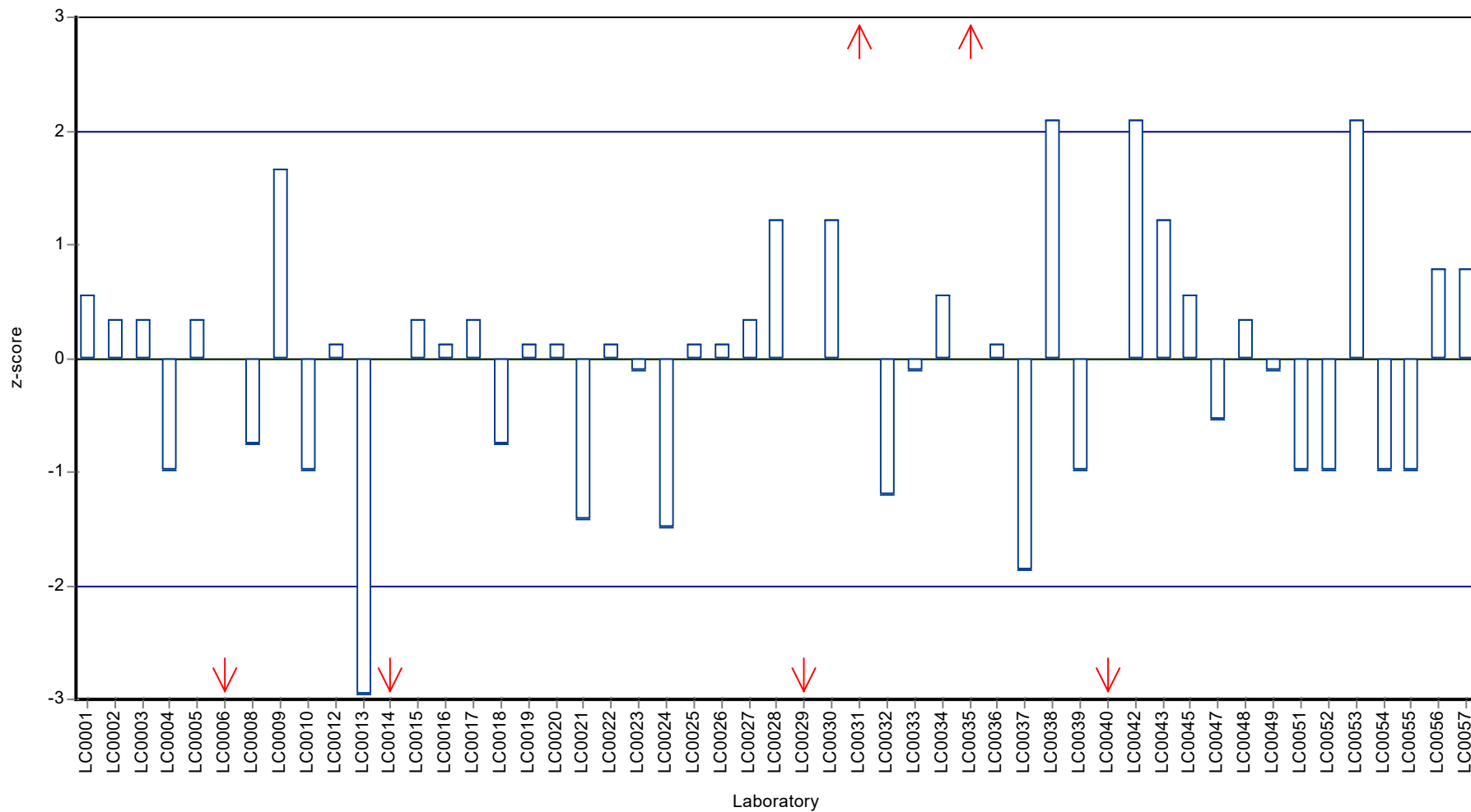
Results



Recovery rate



Z-score



Parameter oriented report

N150 A

Hydrogen carbonate

Unit	mg/l
Assigned value ± U (k=2)	249 ± 1.82
Criterion	4.99 (2 %)
Minimum - Maximum	240 - 262
Control test value ± U (k=2)	244 ± 9.76

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	250	12	100	0.12	
LC0006	245.3	36.79	98.3	-0.83	
LC0007	-	-	-	-	
LC0008	252	25.2	101	0.52	
LC0009	-	-	-	-	
LC0010	240	1	96.2	-1.89	
LC0011	250.1	10.38	100	0.14	
LC0012	240	-	96.2	-1.89	
LC0013	-	-	-	-	
LC0014	261.2	5.2	105	2.36	
LC0015	-	-	-	-	
LC0016	248.31	1	99.6	-0.22	
LC0017	252.7	20.2	101	0.66	
LC0018	250	0.15	100	0.12	
LC0019	253	12	101	0.72	
LC0020	-	-	-	-	
LC0021	250.5	1.5	100	0.22	
LC0022	242.7	17	97.3	-1.35	
LC0023	246	10	98.6	-0.69	
LC0024	254.4	6.1	102	1	
LC0025	246	12	98.6	-0.69	
LC0026	262.39	1	105	2.6	
LC0027	-	-	-	-	
LC0028	-	-	-	-	
LC0029	247	13	99	-0.48	
LC0030	247	25	99	-0.48	
LC0031	-	-	-	-	
LC0032	250.8	2.2	101	0.28	
LC0033	247	8	99	-0.48	
LC0034	247	4.95	99	-0.48	
LC0035	242	12.1	97	-1.49	
LC0036	250.8	4.8	101	0.28	
LC0037	-	-	-	-	
LC0038	-	-	-	-	
LC0039	248	24.8	99.4	-0.28	
LC0040	-	-	-	-	
LC0041	-	-	-	-	

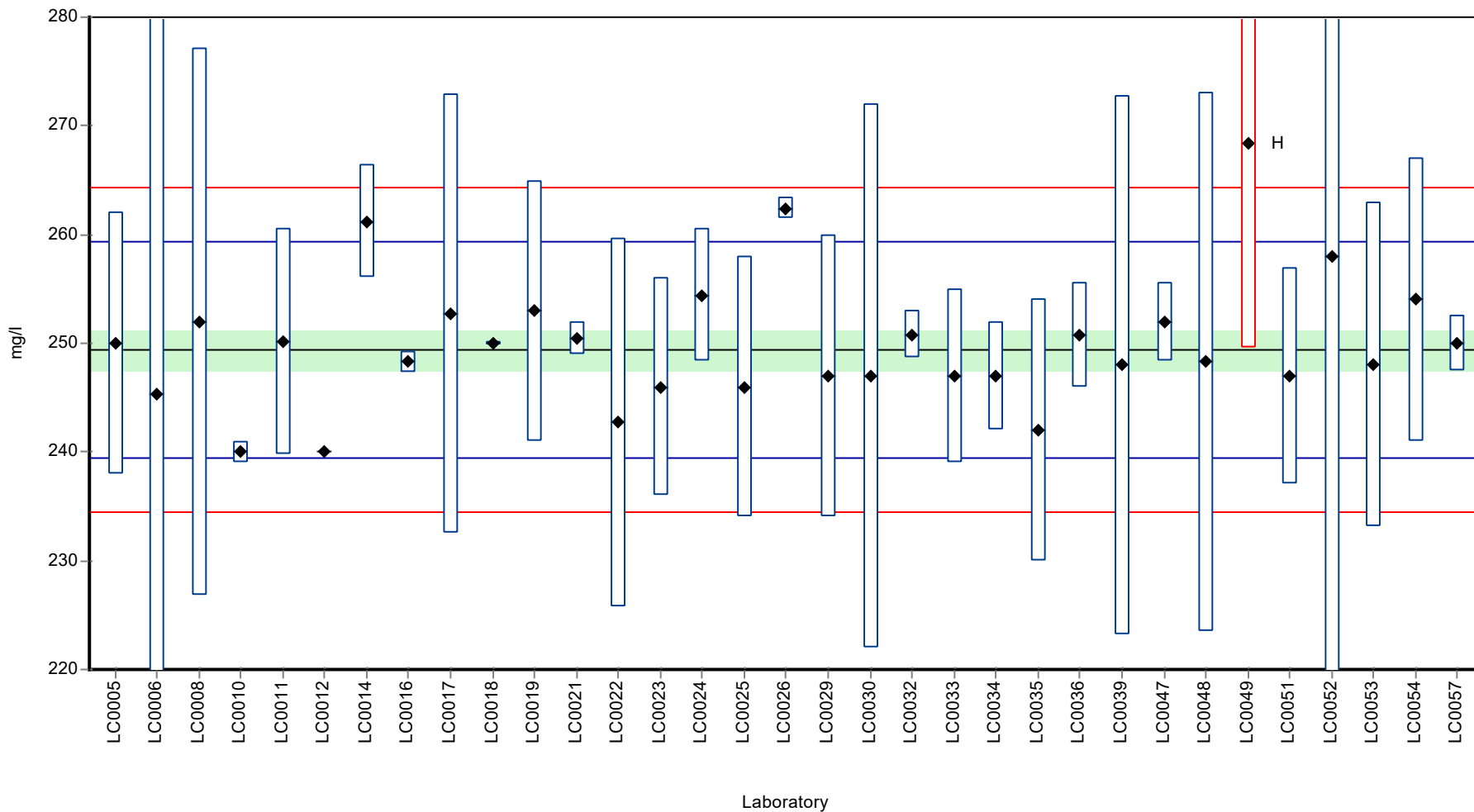
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	-	-	-	-	
LC0043	-	-	-	-	
LC0044	-	-	-	-	
LC0045	-	-	-	-	
LC0046	-	-	-	-	
LC0047	252	3.64	101	0.52	
LC0048	248.3	24.8	99.6	-0.23	
LC0049	268.4	18.8	108	3.8	H
LC0050	-	-	-	-	
LC0051	247	10	99	-0.48	
LC0052	258	38.7	103	1.72	
LC0053	248	14.9	99.4	-0.28	
LC0054	254	13	102	0.92	
LC0055	-	-	-	-	
LC0056	-	-	-	-	
LC0057	250	2.5	100	0.12	

Characteristics of parameter

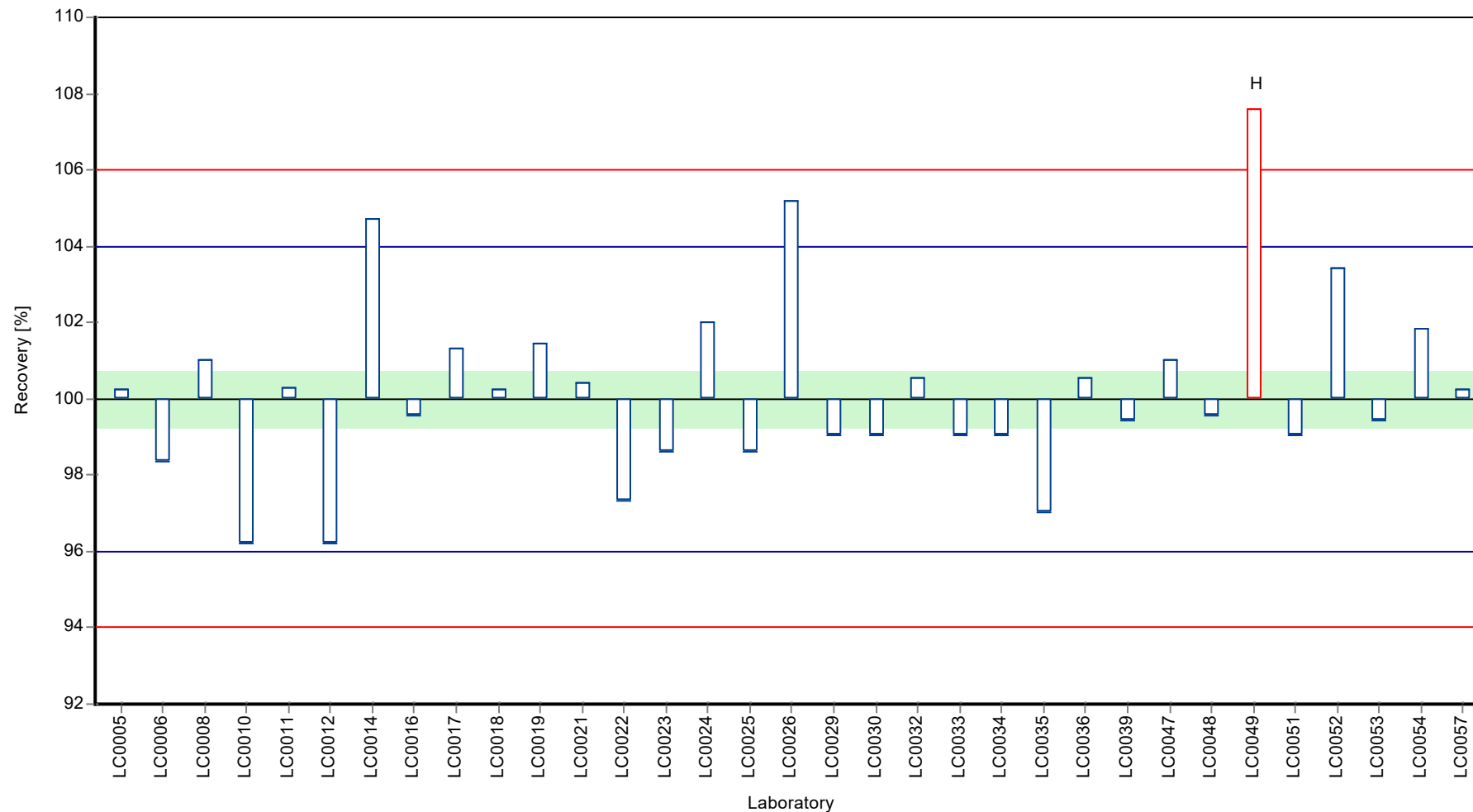
	all results	without outliers	Unit
Mean ± CI (99%)	250 ± 3.16	249 ± 2.73	mg/l
Minimum	240	240	mg/l
Maximum	268	262	mg/l
Standard deviation	6.05	5.15	mg/l
rel. standard deviation	2.42	2.07	%
n	33	32	-

Graphical presentation of results

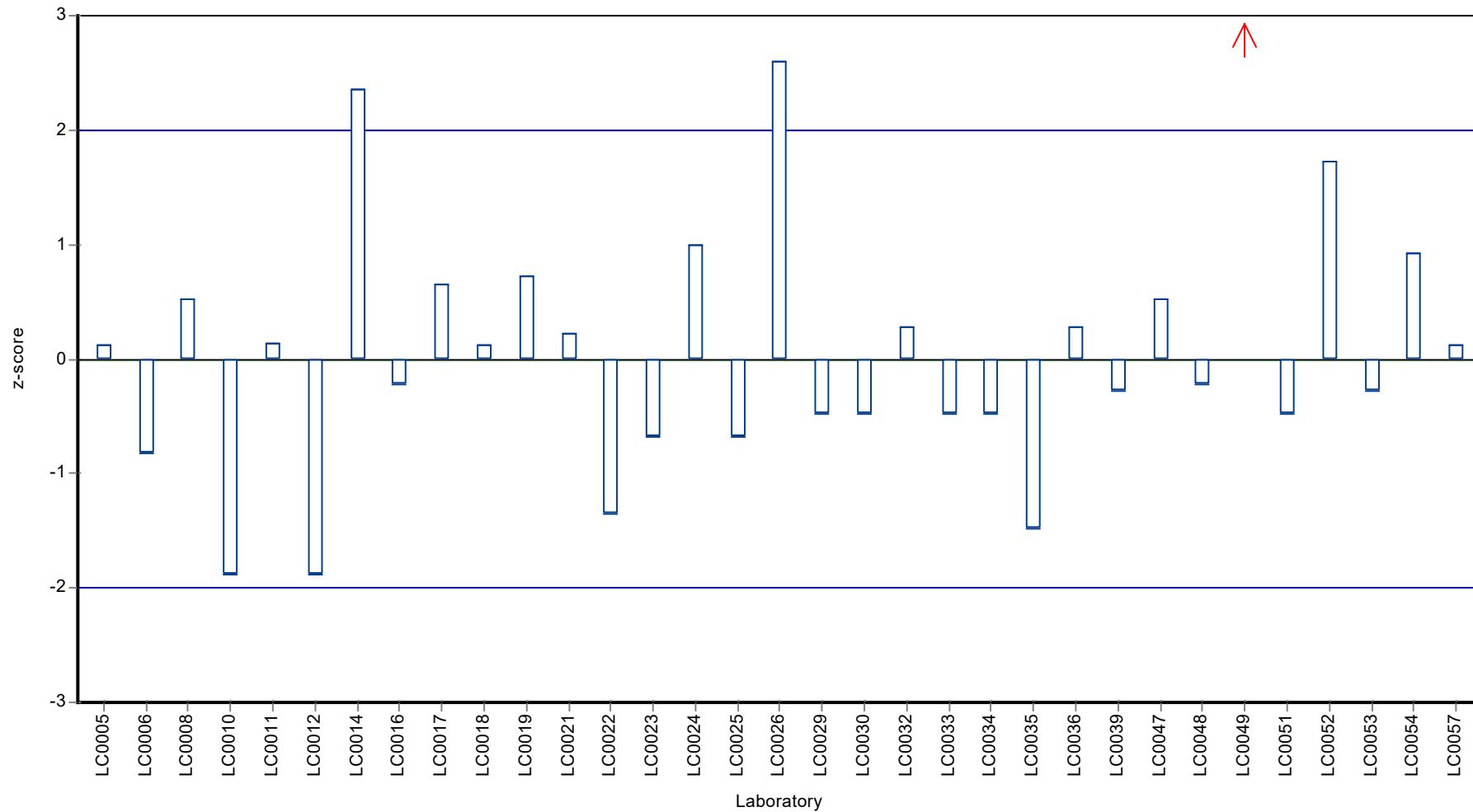
Results



Recovery rate



Z-score



Parameter oriented report

N150 B

Hydrogen carbonate

Unit	mg/l
Assigned value ± U (k=2)	165 ± 1.09
Criterion	3.3 (2 %)
Minimum - Maximum	159 - 171
Control test value ± U (k=2)	161 ± 6.44

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	165	7.9	100	-0.01	
LC0006	162.9	24.44	98.7	-0.65	
LC0007	-	-	-	-	
LC0008	167.9	16.8	102	0.86	
LC0009	-	-	-	-	
LC0010	159	0.577	96.3	-1.83	
LC0011	-	-	-	-	
LC0012	160	-	96.9	-1.53	
LC0013	-	-	-	-	
LC0014	178.2	3.56	108	3.98	H
LC0015	-	-	-	-	
LC0016	165.95	1	101	0.27	
LC0017	166.5	13.3	101	0.44	
LC0018	167	0.31	101	0.59	
LC0019	169	8.4	102	1.2	
LC0020	-	-	-	-	
LC0021	167.2	1	101	0.65	
LC0022	160.9	11.9	97.5	-1.26	
LC0023	162	7	98.2	-0.92	
LC0024	171.2	6.1	104	1.86	
LC0025	166	8	101	0.29	
LC0026	189.16	1	115	7.3	H
LC0027	-	-	-	-	
LC0028	-	-	-	-	
LC0029	163	8	98.8	-0.62	
LC0030	164	16	99.4	-0.32	
LC0031	-	-	-	-	
LC0032	165	0.4	100	-0.01	
LC0033	164	5	99.4	-0.32	
LC0034	163	3.26	98.8	-0.62	
LC0035	164	8.2	99.4	-0.32	
LC0036	167.8	3.2	102	0.83	
LC0037	-	-	-	-	
LC0038	-	-	-	-	
LC0039	164	16.4	99.4	-0.32	
LC0040	-	-	-	-	
LC0041	-	-	-	-	

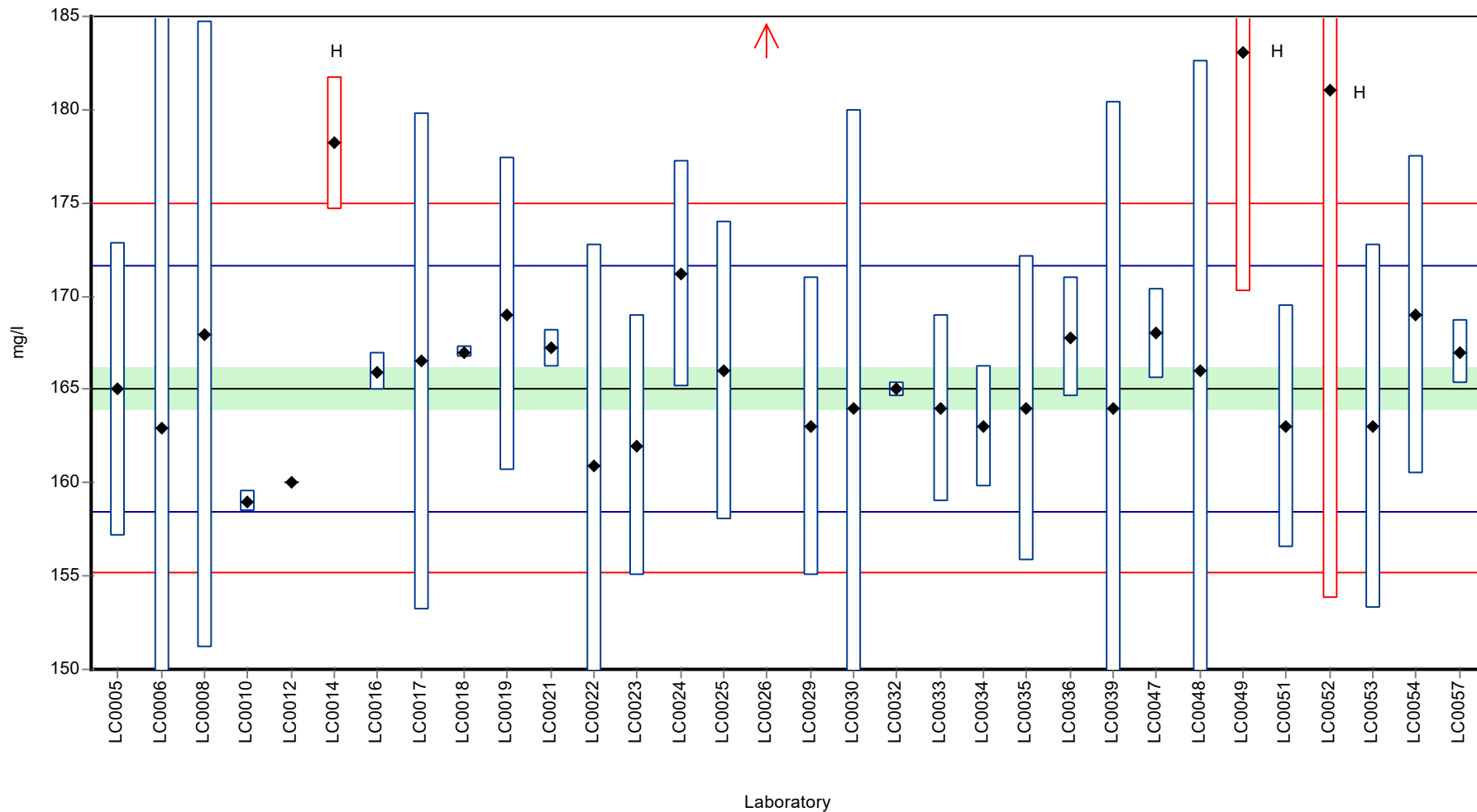
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	-	-	-	-	
LC0043	-	-	-	-	
LC0044	-	-	-	-	
LC0045	-	-	-	-	
LC0046	-	-	-	-	
LC0047	168	2.43	102	0.89	
LC0048	166	16.6	101	0.29	
LC0049	183.06	12.8	111	5.46	H
LC0050	-	-	-	-	
LC0051	163	6.52	98.8	-0.62	
LC0052	181	27.2	110	4.83	H
LC0053	163	9.78	98.8	-0.62	
LC0054	169	8.5	102	1.2	
LC0055	-	-	-	-	
LC0056	-	-	-	-	
LC0057	167	1.7	101	0.59	

Characteristics of parameter

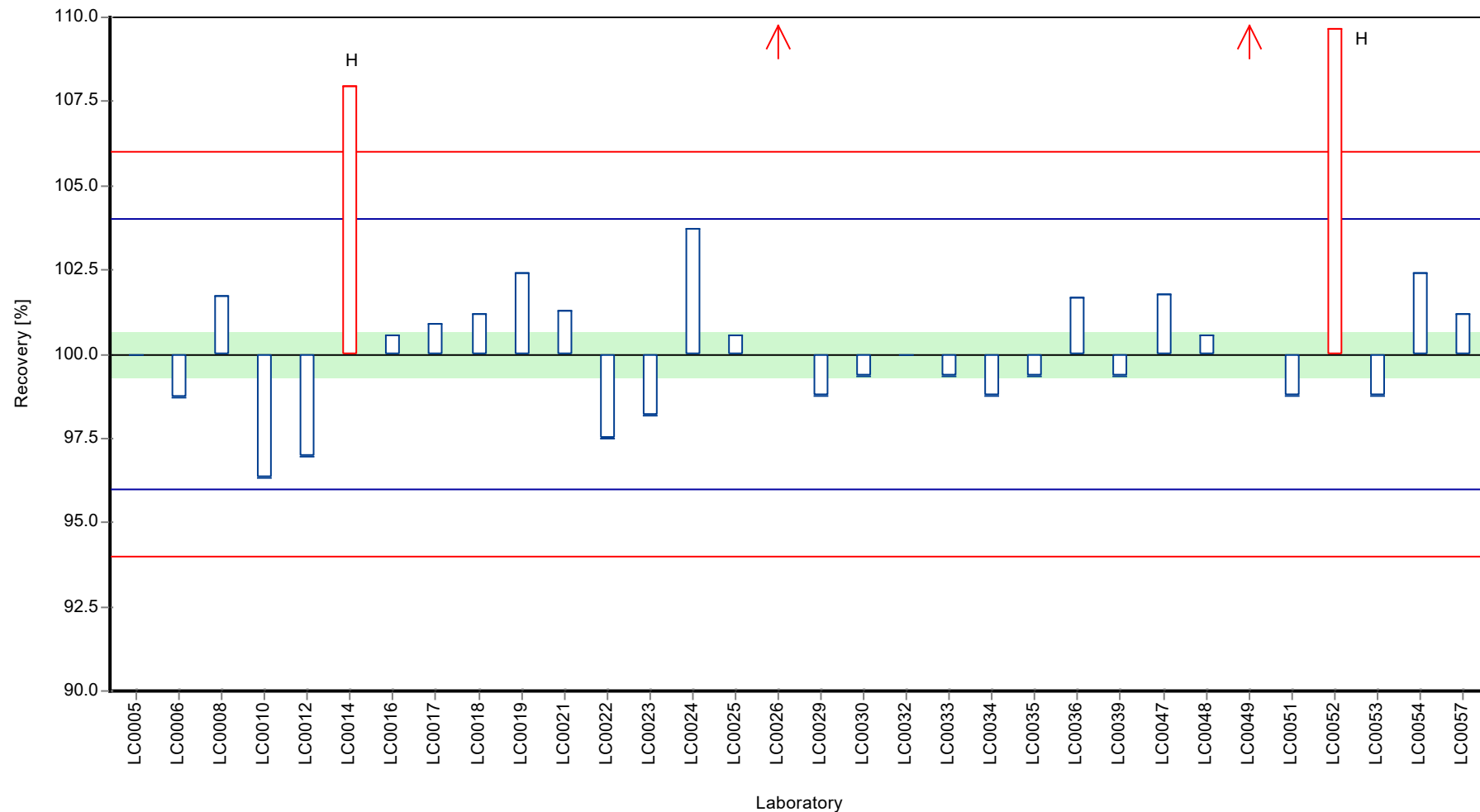
	all results	without outliers	Unit
Mean ± CI (99%)	167 ± 3.56	165 ± 1.64	mg/l
Minimum	159	159	mg/l
Maximum	189	171	mg/l
Standard deviation	6.72	2.89	mg/l
rel. standard deviation	4.02	1.75	%
n	32	28	-

Graphical presentation of results

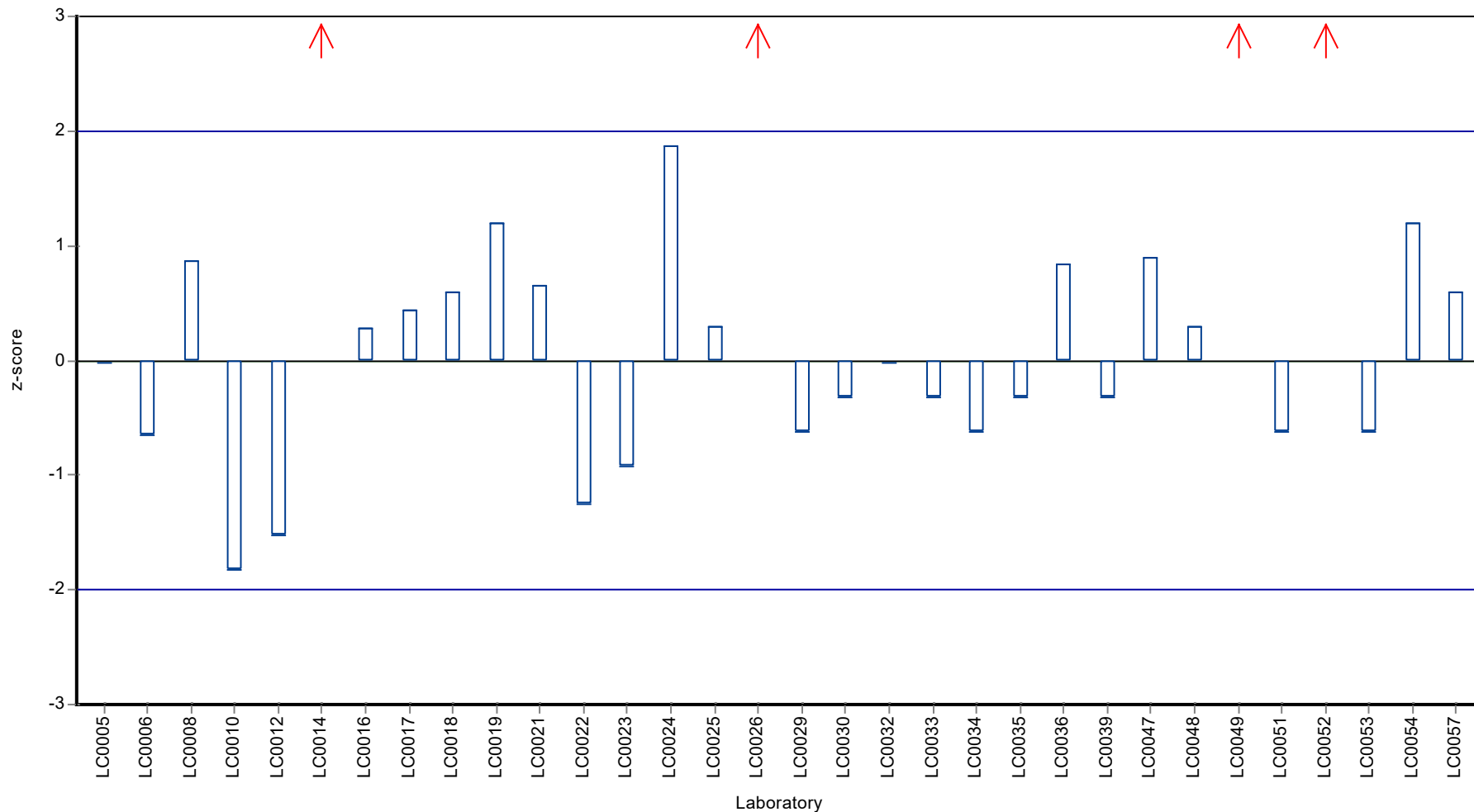
Results



Recovery rate



Z-score



Parameter oriented report

N150 A

Magnesium

Unit	mg/l
Assigned value ± U (k=2)	16.2 ± 0.207
Criterion	0.648 (4 %)
Minimum - Maximum	15.2 - 17.9
Control test value ± U (k=2)	15.7 ± 0.941

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	15.69	0.8	96.8	-0.79	
LC0004	-	-	-	-	
LC0005	15.3	1.3	94.4	-1.39	
LC0006	16.49	0.989	102	0.45	
LC0007	-	-	-	-	
LC0008	16	1.6	98.8	-0.31	
LC0009	16.1	1.3	99.4	-0.16	
LC0010	16.8	0.231	104	0.92	
LC0011	16.6	1.91	102	0.61	
LC0012	-	-	-	-	
LC0013	16.19	-	99.9	-0.02	
LC0014	36.97	1.33	228	32	H
LC0015	9.04	0.94	55.8	-11.1	H
LC0016	16.128	1.6	99.5	-0.11	
LC0017	16.24	0.97	100	0.06	
LC0018	-	-	-	-	
LC0019	16.1	1.55	99.4	-0.16	
LC0020	19.65	2.5	121	5.32	H
LC0021	16	0.9	98.8	-0.31	
LC0022	16.5	1.1	102	0.46	
LC0023	15.7	1.4	96.9	-0.77	
LC0024	15.7	0.8	96.9	-0.77	
LC0025	16.8	0.3	104	0.92	
LC0026	14.211	0.035	87.7	-3.07	H
LC0027	16.3	1.6	101	0.15	
LC0028	-	-	-	-	
LC0029	15.3	2	94.4	-1.39	
LC0030	16.4	1.6	101	0.31	
LC0031	-	-	-	-	
LC0032	16.3	0.3	101	0.15	
LC0033	16.1	2	99.4	-0.16	
LC0034	15.7	0.928	96.9	-0.77	
LC0035	17.9	2.59	110	2.62	
LC0036	15.281	1.57	94.3	-1.42	
LC0037	16.3	1	101	0.15	
LC0038	-	-	-	-	
LC0039	15.97	0.7794	98.6	-0.36	
LC0040	-	-	-	-	
LC0041	-	-	-	-	

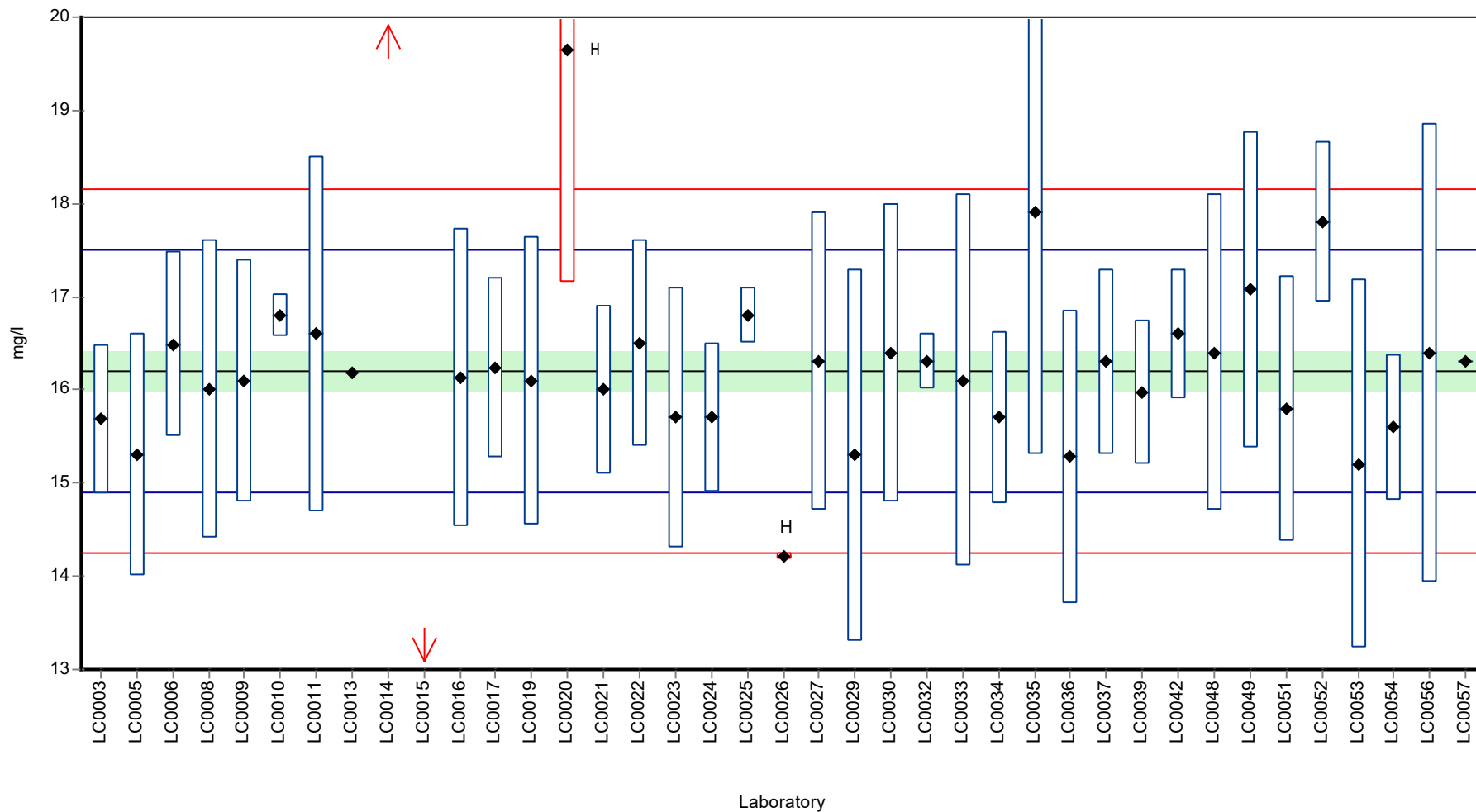
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	16.6	0.7	102	0.61	
LC0043	-	-	-	-	
LC0044	-	-	-	-	
LC0045	-	-	-	-	
LC0046	-	-	-	-	
LC0047	-	-	-	-	
LC0048	16.4	1.7	101	0.31	
LC0049	17.073	1.7	105	1.34	
LC0050	-	-	-	-	
LC0051	15.8	1.42	97.5	-0.62	
LC0052	17.8	0.86	110	2.47	
LC0053	15.2	1.98	93.8	-1.55	
LC0054	15.6	0.78	96.3	-0.93	
LC0055	-	-	-	-	
LC0056	16.4	2.46	101	0.31	
LC0057	16.3	0.01	101	0.15	

Characteristics of parameter

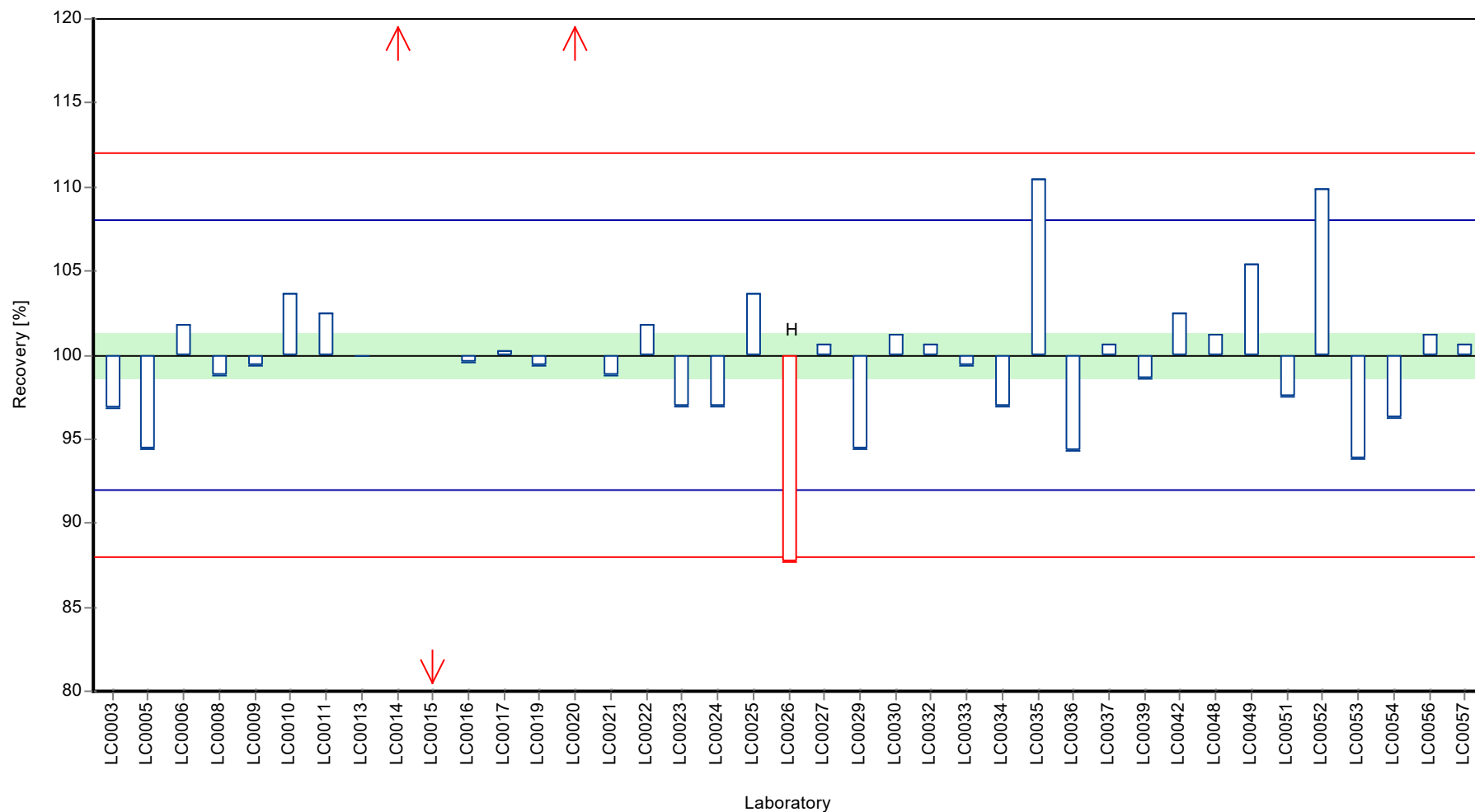
	all results	without outliers	Unit
Mean ± CI (99%)	16.6 ± 1.75	16.2 ± 0.311	mg/l
Minimum	9.04	15.2	mg/l
Maximum	37	17.9	mg/l
Standard deviation	3.65	0.612	mg/l
rel. standard deviation	22	3.78	%
n	39	35	-

Graphical presentation of results

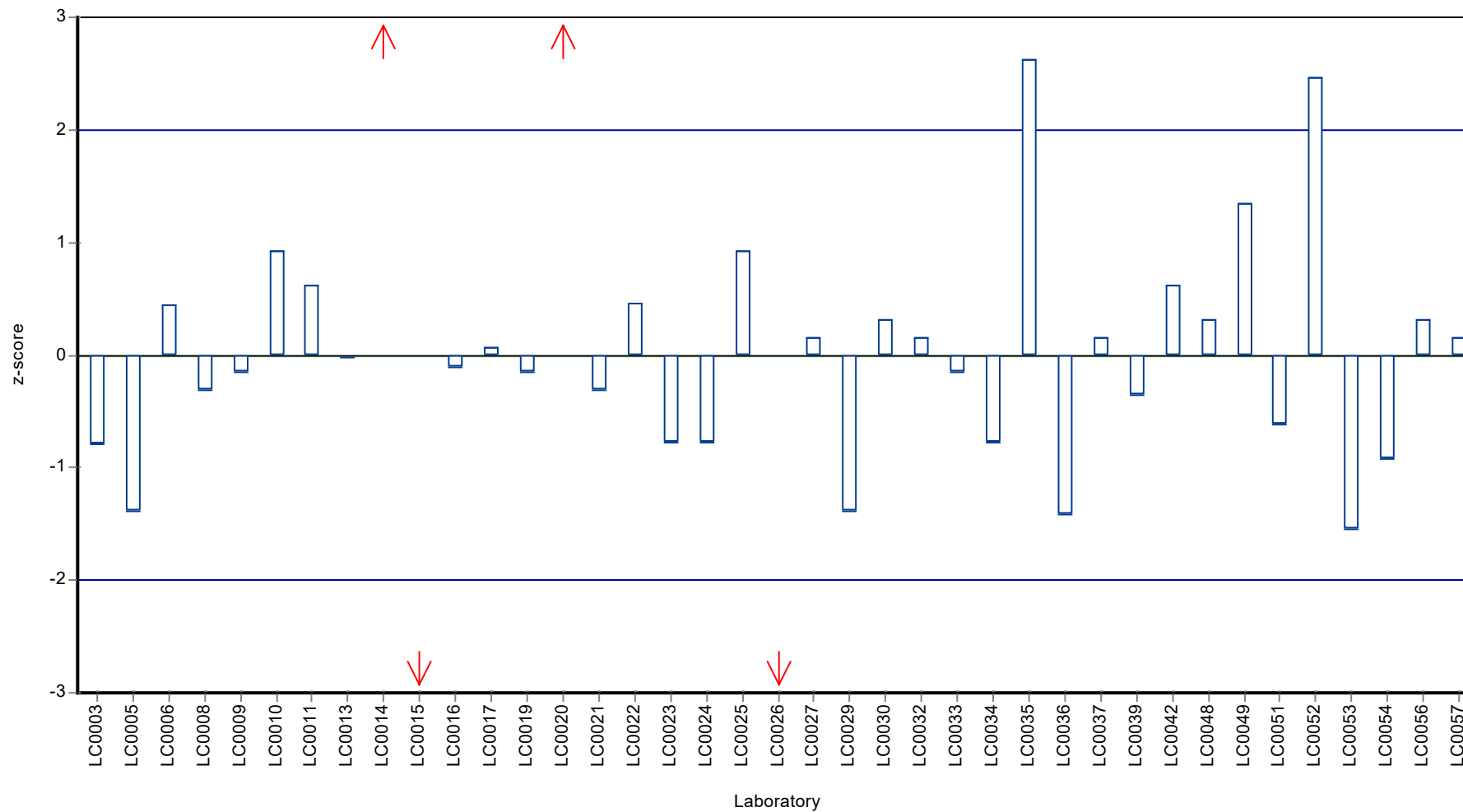
Results



Recovery rate



Z-score



Parameter oriented report

N150 B

Magnesium

Unit	mg/l
Assigned value ± U (k=2)	10.9 ± 0.149
Criterion	0.435 (4 %)
Minimum - Maximum	10.2 - 12.2
Control test value ± U (k=2)	10.6 ± 0.636

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	10.64	0.55	97.8	-0.56	
LC0004	-	-	-	-	
LC0005	10.5	0.87	96.5	-0.88	
LC0006	11.14	0.668	102	0.59	
LC0007	-	-	-	-	
LC0008	10.7	1.07	98.3	-0.42	
LC0009	10.9	0.9	100	0.04	
LC0010	11.3	0.184	104	0.96	
LC0011	-	-	-	-	
LC0012	-	-	-	-	
LC0013	10.82	-	99.4	-0.14	
LC0014	47.1	1.7	433	83.2	H
LC0015	29.38	3.05	270	42.5	H
LC0016	10.928	1.01	100	0.1	
LC0017	11.1	0.67	102	0.5	
LC0018	-	-	-	-	
LC0019	10.8	1.02	99.2	-0.19	
LC0020	12.4	2.5	114	3.49	H
LC0021	10.8	0.6	99.2	-0.19	
LC0022	11.3	0.7	104	0.96	
LC0023	10.6	1	97.4	-0.65	
LC0024	10.55	0.8	96.9	-0.76	
LC0025	10.5	0.3	96.5	-0.88	
LC0026	10.808	0.377	99.3	-0.17	
LC0027	10.8	1.1	99.2	-0.19	
LC0028	-	-	-	-	
LC0029	10.3	1	94.6	-1.34	
LC0030	11.1	1.1	102	0.5	
LC0031	-	-	-	-	
LC0032	11	0.11	101	0.27	
LC0033	10.9	1.4	100	0.04	
LC0034	10.3	0.96	94.6	-1.34	
LC0035	12.2	1.77	112	3.03	
LC0036	10.574	1.088	97.2	-0.71	
LC0037	11.1	0.68	102	0.5	
LC0038	-	-	-	-	
LC0039	10.97	0.5352	101	0.2	
LC0040	10.26	1.03	94.3	-1.43	
LC0041	-	-	-	-	

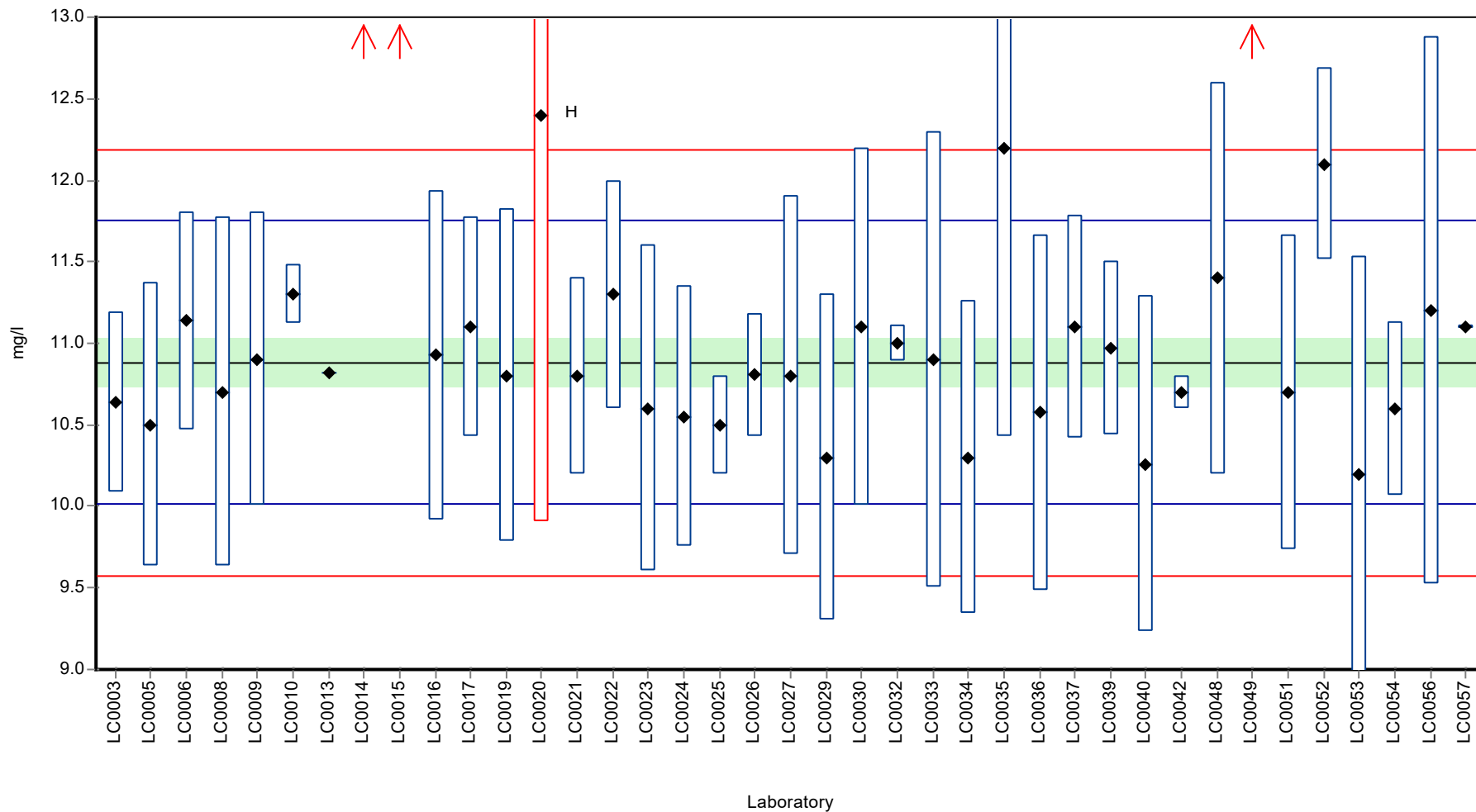
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	10.7	0.1	98.3	-0.42	
LC0043	-	-	-	-	
LC0044	-	-	-	-	
LC0045	-	-	-	-	
LC0046	-	-	-	-	
LC0047	-	-	-	-	
LC0048	11.4	1.2	105	1.19	
LC0049	15.03	1.5	138	9.53	H
LC0050	-	-	-	-	
LC0051	10.7	0.963	98.3	-0.42	
LC0052	12.1	0.59	111	2.8	
LC0053	10.2	1.33	93.7	-1.57	
LC0054	10.6	0.53	97.4	-0.65	
LC0055	-	-	-	-	
LC0056	11.2	1.68	103	0.73	
LC0057	11.1	0.01	102	0.5	

Characteristics of parameter

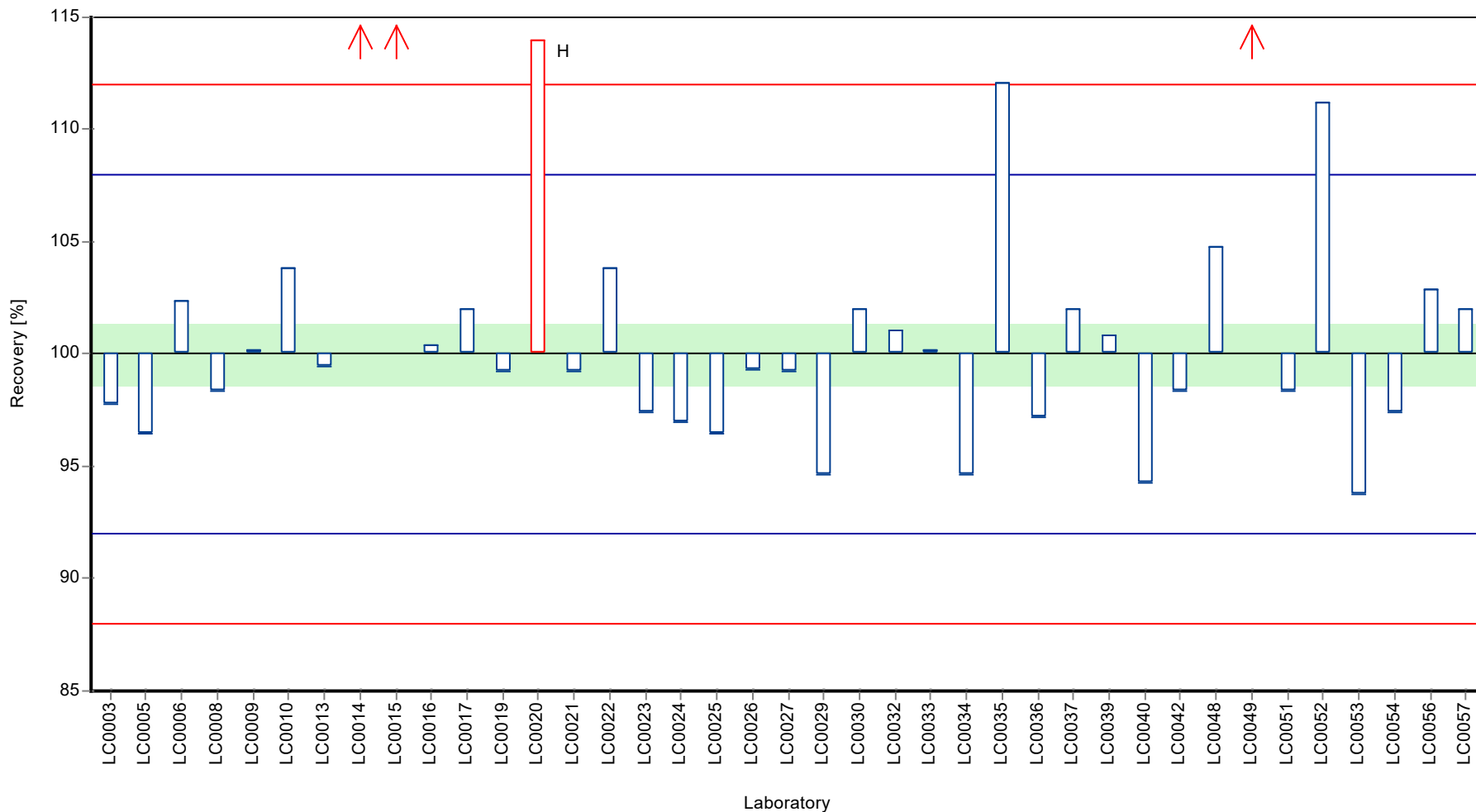
	all results	without outliers	Unit
Mean ± CI (99%)	12.4 ± 3.1	10.9 ± 0.223	mg/l
Minimum	10.2	10.2	mg/l
Maximum	47.1	12.2	mg/l
Standard deviation	6.46	0.44	mg/l
rel. standard deviation	52	4.05	%
n	39	35	-

Graphical presentation of results

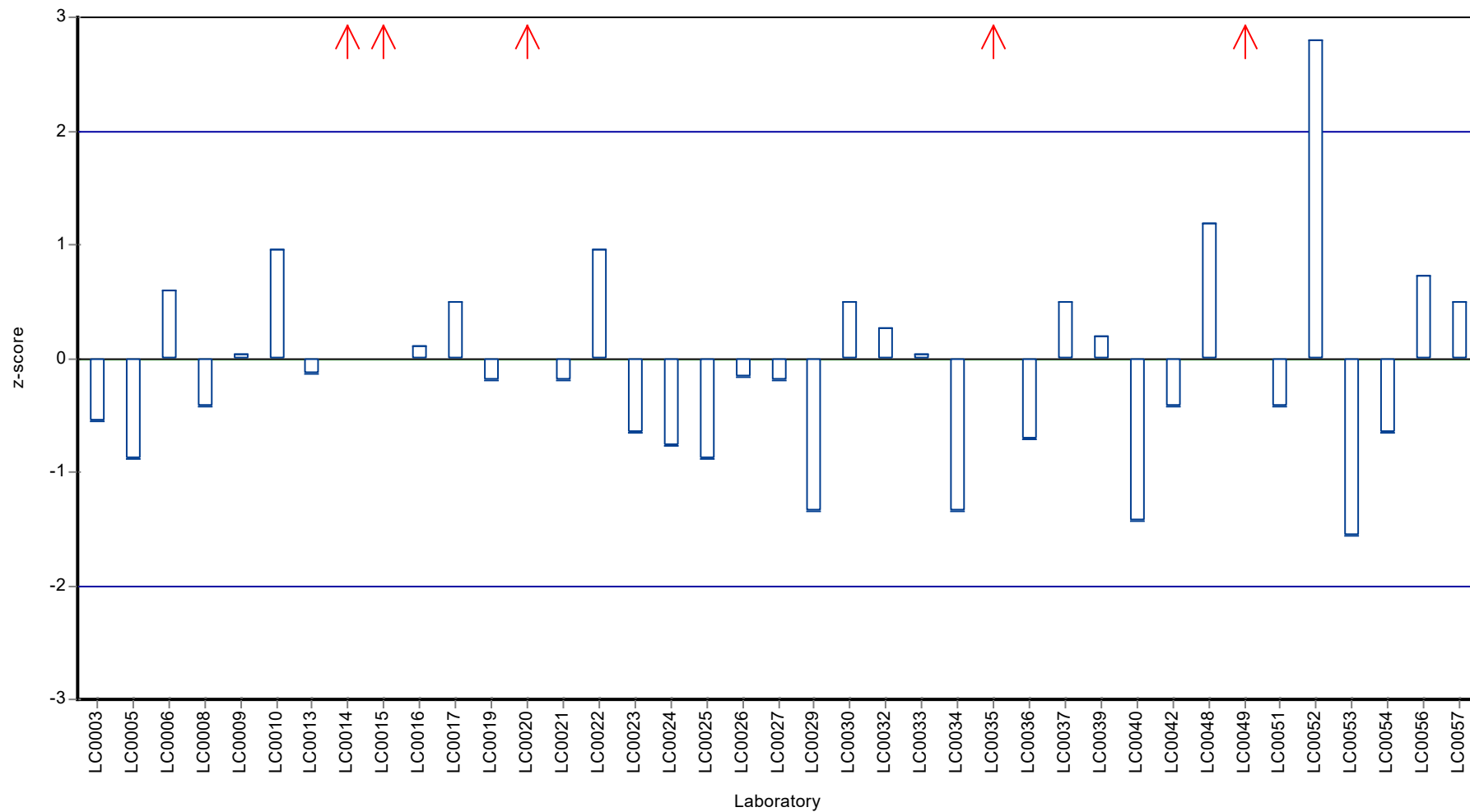
Results



Recovery rate



Z-score



Parameter oriented report

N150 A

Nitrate (as NO₃)

Unit	mg/l
Assigned value ± U (k=2)	7.06 ± 0.16
Criterion	0.353 (5 %)
Minimum - Maximum	5.99 - 8.2
Control test value ± U (k=2)	6.64 ± 0.332

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	6.89	0.35	97.6	-0.47	
LC0004	-	-	-	-	
LC0005	6.9	0.16	97.8	-0.45	
LC0006	4.033	0.1613	57.1	-8.57	H
LC0007	-	-	-	-	
LC0008	7.02	0.7	99.5	-0.1	
LC0009	7.1	1.3	101	0.12	
LC0010	7.72	0.03	109	1.88	
LC0011	6.5	0.4	92.1	-1.58	
LC0012	-	-	-	-	
LC0013	6.3	-	89.3	-2.15	
LC0014	6.68	0.39	94.7	-1.07	
LC0015	7.43	0.7	105	1.06	
LC0016	7.303	0.72	103	0.7	
LC0017	7.29	0.29	103	0.66	
LC0018	8.2	0.27	116	3.24	
LC0019	7.08	1.1	100	0.06	
LC0020	7.66	0.8	109	1.71	
LC0021	7.3	0.2	103	0.69	
LC0022	6.9	0.4	97.8	-0.45	
LC0023	7	0.63	99.2	-0.16	
LC0024	6.99	0.4	99	-0.19	
LC0025	6.44	0.64	91.3	-1.75	
LC0026	6.78	0.015	96.1	-0.79	
LC0027	7.09	0.7	100	0.09	
LC0028	-	-	-	-	
LC0029	6.9	1	97.8	-0.45	
LC0030	7.03	0.7	99.6	-0.08	
LC0031	6.01	0.6	85.2	-2.97	
LC0032	7.29	0.06	103	0.66	
LC0033	7.28	0.6	103	0.63	
LC0034	7.24	0.07	103	0.52	
LC0035	6.58	0.606	93.2	-1.35	
LC0036	7.447	0.786	106	1.1	
LC0037	7.16	0.1	101	0.29	
LC0038	-	-	-	-	
LC0039	7.54	0.5	107	1.37	
LC0040	-	-	-	-	
LC0041	5.99	0.19	84.9	-3.02	

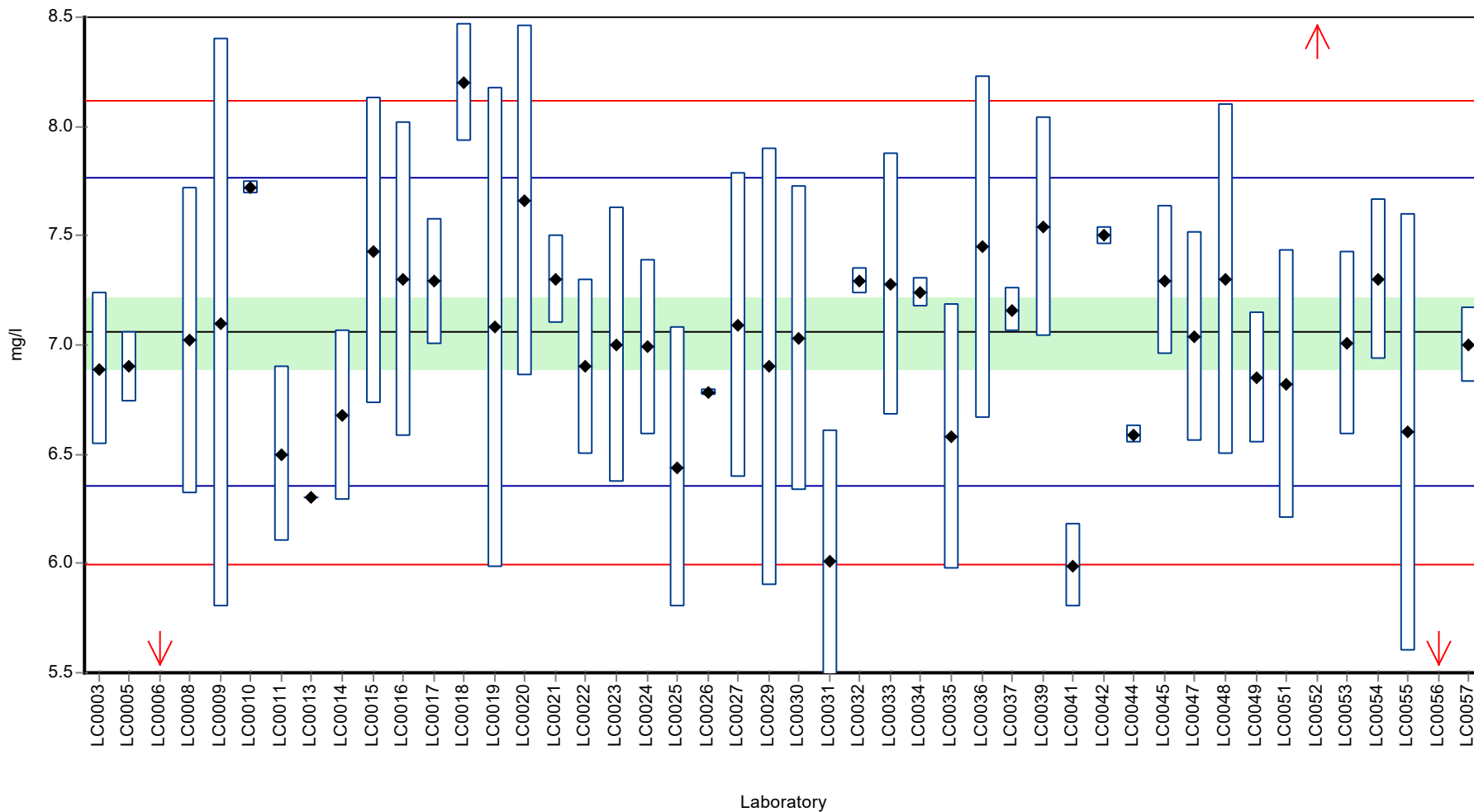
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	7.5	0.04	106	1.26	
LC0043	-	-	-	-	
LC0044	6.59	0.04	93.4	-1.32	
LC0045	7.296	0.3407	103	0.68	
LC0046	-	-	-	-	
LC0047	7.04	0.48	99.8	-0.05	
LC0048	7.3	0.8	103	0.69	
LC0049	6.85	0.3	97.1	-0.59	
LC0050	-	-	-	-	
LC0051	6.82	0.614	96.6	-0.67	
LC0052	30.5	1.07	432	66.4	H
LC0053	7.01	0.42	99.3	-0.13	
LC0054	7.3	0.37	103	0.69	
LC0055	6.6	1	93.5	-1.3	
LC0056	1.59	0.16	22.5	-15.5	H
LC0057	7	0.17	99.2	-0.16	

Characteristics of parameter

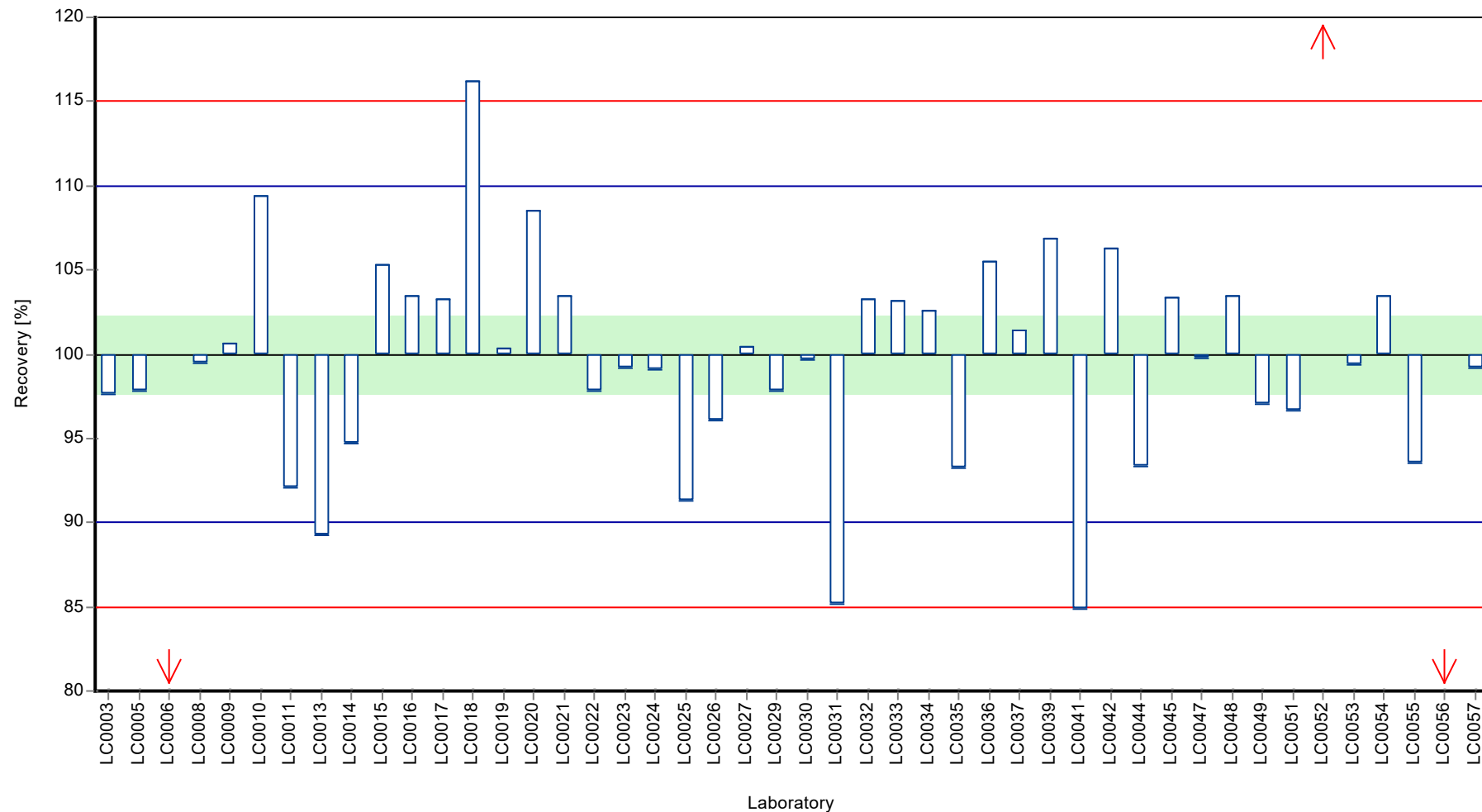
	all results	without outliers	Unit
Mean ± CI (99%)	7.36 ± 1.6	7.03 ± 0.198	mg/l
Minimum	1.59	5.99	mg/l
Maximum	30.5	8.2	mg/l
Standard deviation	3.63	0.433	mg/l
rel. standard deviation	49.3	6.16	%
n	46	43	-

Graphical presentation of results

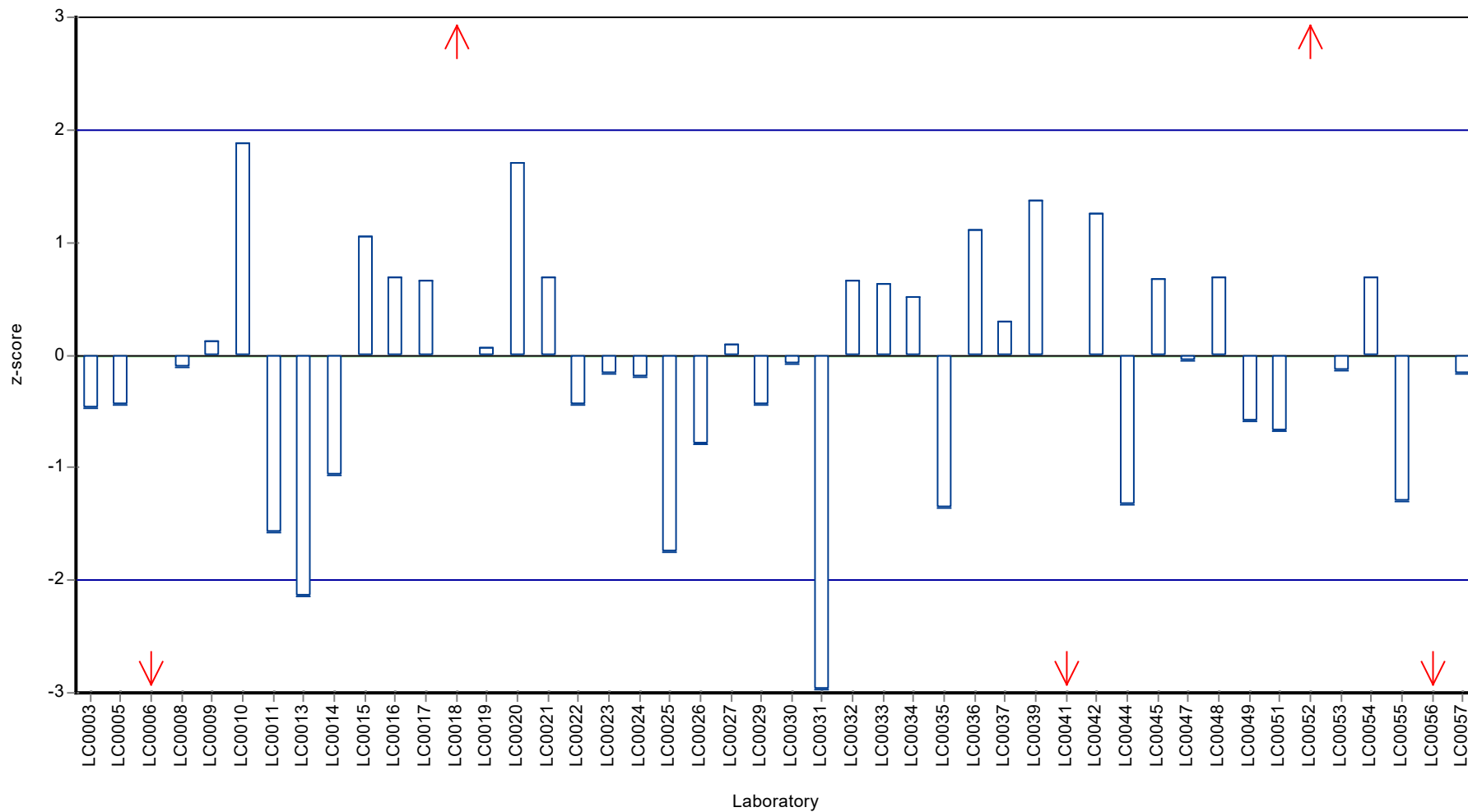
Results



Recovery rate



Z-score



Parameter oriented report

N150 B

Nitrate (as NO3)

Unit	mg/l
Assigned value ± U (k=2)	12 ± 0.174
Criterion	0.601 (5 %)
Minimum - Maximum	10.9 - 13.3
Control test value ± U (k=2)	12.1 ± 0.607

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	11.5	0.58	95.7	-0.86	
LC0004	-	-	-	-	
LC0005	11.9	0.28	99	-0.2	
LC0006	11.607	0.4643	96.6	-0.69	
LC0007	-	-	-	-	
LC0008	11.7	1.17	97.4	-0.53	
LC0009	11.7	2.1	97.4	-0.53	
LC0010	13	0.058	108	1.63	
LC0011	-	-	-	-	
LC0012	-	-	-	-	
LC0013	10.9	-	90.7	-1.86	
LC0014	8.732	0.51	72.7	-5.47	H
LC0015	12.37	1.6	103	0.58	
LC0016	12.323	1.2	103	0.51	
LC0017	12.17	0.85	101	0.25	
LC0018	12.9	0.25	107	1.47	
LC0019	12	1.8	99.8	-0.03	
LC0020	12.7	0.8	106	1.13	
LC0021	12.4	0.32	103	0.64	
LC0022	11.9	0.8	99	-0.2	
LC0023	12.2	1.1	102	0.3	
LC0024	11.97	0.4	99.6	-0.08	
LC0025	10.1	1	84	-3.19	H
LC0026	12.515	0.056	104	0.83	
LC0027	12	1.2	99.8	-0.03	
LC0028	-	-	-	-	
LC0029	12	1	99.8	-0.03	
LC0030	12	1.2	99.8	-0.03	
LC0031	11.02	1.1	91.7	-1.66	
LC0032	12.4	0.1	103	0.64	
LC0033	12.2	1	102	0.3	
LC0034	12.2	0.28	102	0.3	
LC0035	12	1.1	99.8	-0.03	
LC0036	12.435	1.313	103	0.69	
LC0037	12.3	0.17	102	0.47	
LC0038	-	-	-	-	
LC0039	13.2	0.9	110	1.97	
LC0040	11.06	1.11	92	-1.59	
LC0041	13.25	0.42	110	2.05	

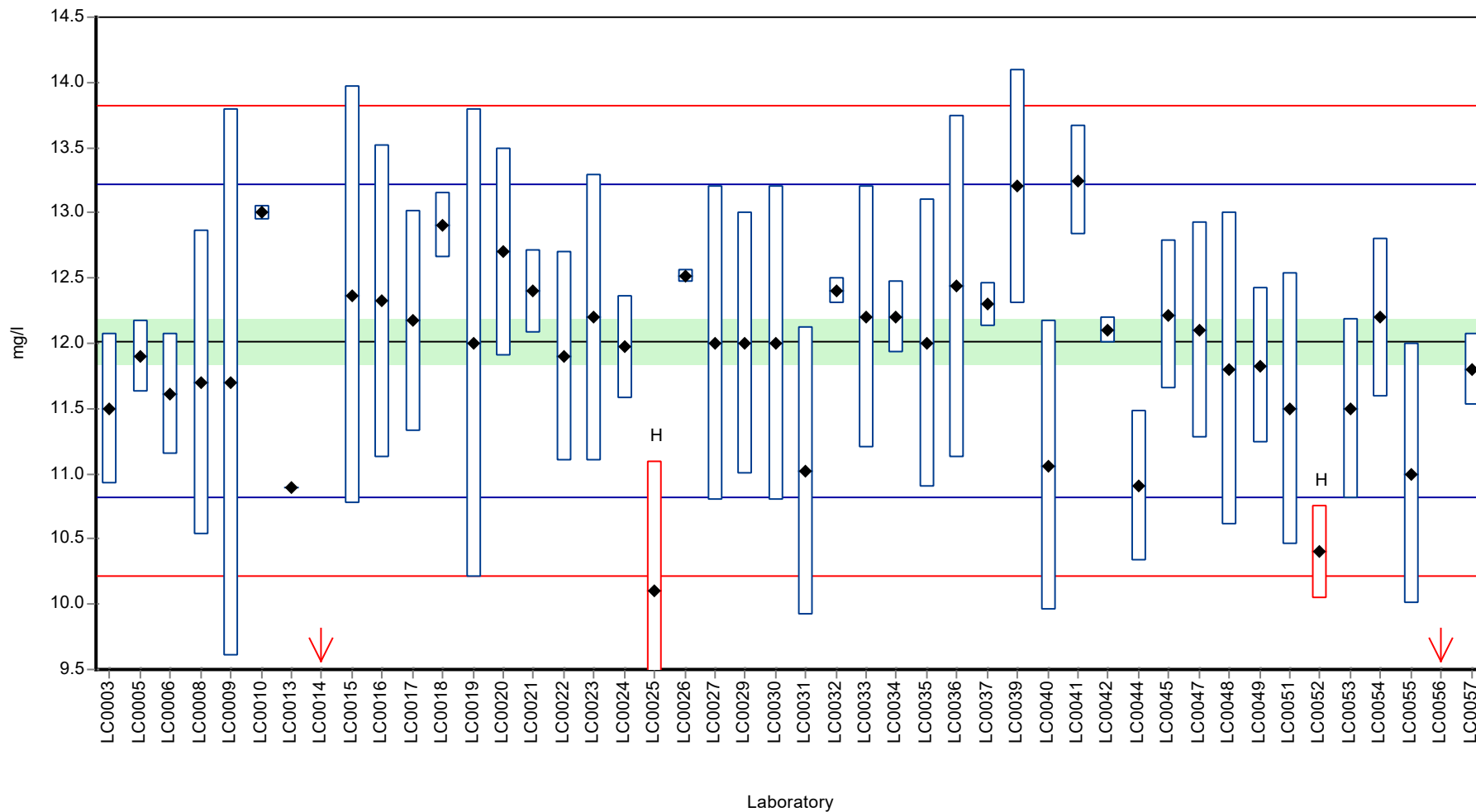
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	12.1	0.1	101	0.14	
LC0043	-	-	-	-	
LC0044	10.91	0.58	90.8	-1.84	
LC0045	12.216	0.5705	102	0.33	
LC0046	-	-	-	-	
LC0047	12.1	0.83	101	0.14	
LC0048	11.8	1.2	98.2	-0.36	
LC0049	11.83	0.6	98.4	-0.31	
LC0050	-	-	-	-	
LC0051	11.5	1.04	95.7	-0.86	
LC0052	10.4	0.36	86.5	-2.69	H
LC0053	11.5	0.69	95.7	-0.86	
LC0054	12.2	0.61	102	0.3	
LC0055	11	1	91.5	-1.69	
LC0056	2.68	0.405	22.3	-15.5	H
LC0057	11.8	0.28	98.2	-0.36	

Characteristics of parameter

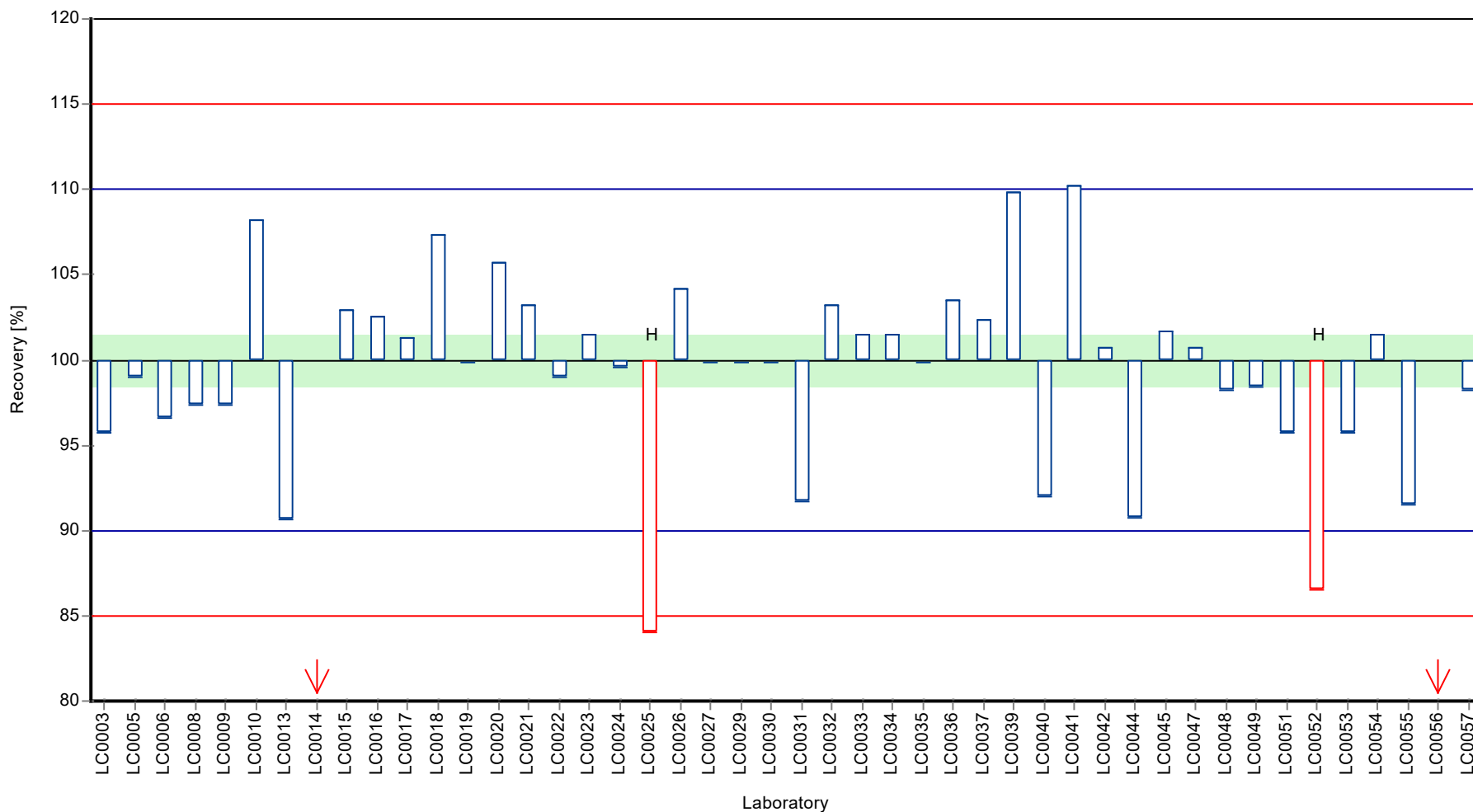
	all results	without outliers	Unit
Mean ± CI (99%)	11.7 ± 0.697	12 ± 0.262	mg/l
Minimum	2.68	10.9	mg/l
Maximum	13.3	13.3	mg/l
Standard deviation	1.58	0.565	mg/l
rel. standard deviation	13.5	4.7	%
n	46	42	-

Graphical presentation of results

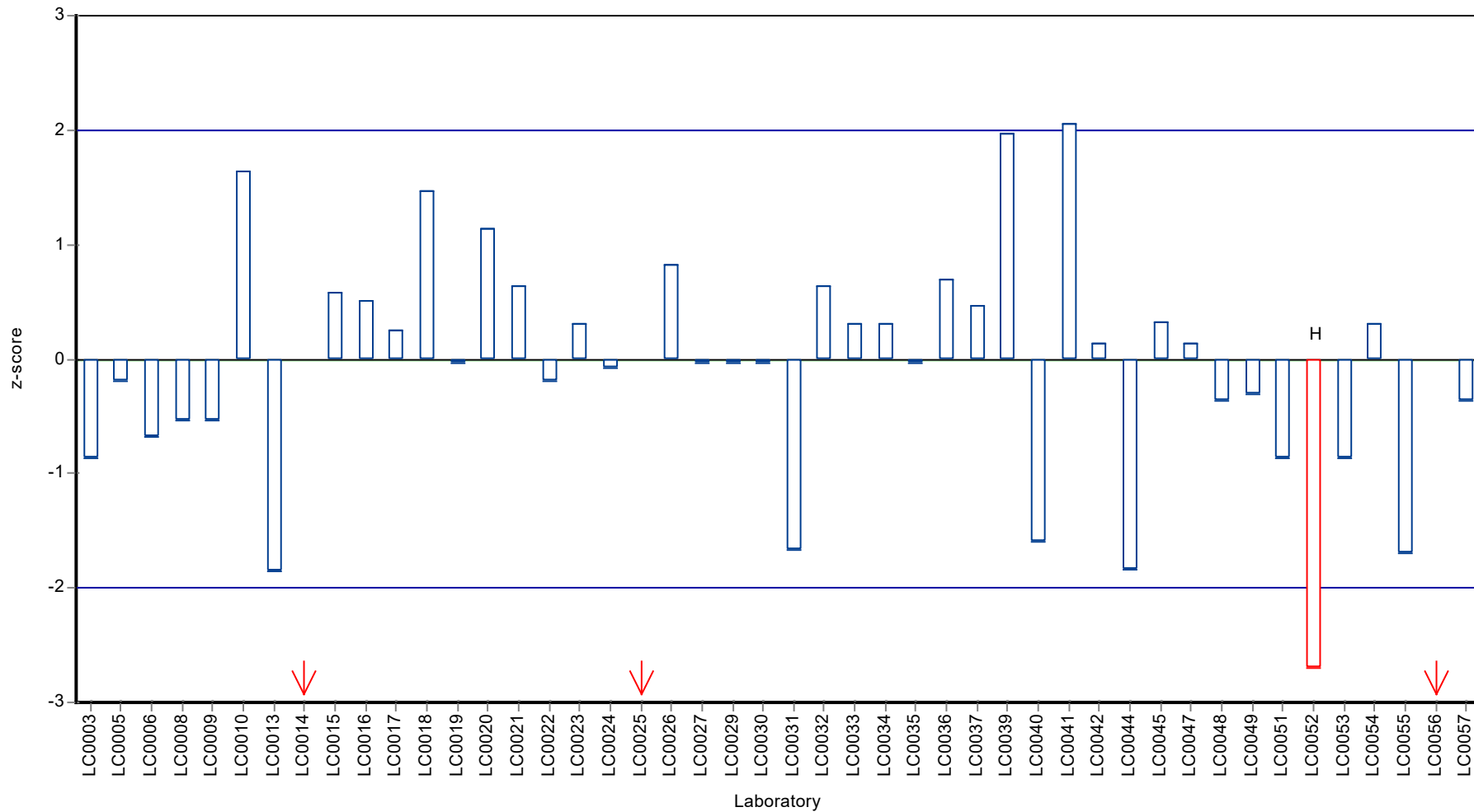
Results



Recovery rate



Z-score



Parameter oriented report

N150 A

Nitrite (as NO₂)

Unit	mg/l
Assigned value ± U (k=2)	0.202 ± 0.00286
Criterion	0.0107 (5.3 %)
Minimum - Maximum	0.188 - 0.223
Control test value ± U (k=2)	0.2 ± 0.006

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	0.2	0.01	99.2	-0.15	
LC0004	-	-	-	-	
LC0005	0.189	0.013	93.7	-1.18	
LC0006	0.191	0.0153	94.7	-1	
LC0007	-	-	-	-	
LC0008	0.214	0.021	106	1.16	
LC0009	0.194	0.025	96.2	-0.72	
LC0010	0.21	0.001	104	0.78	
LC0011	0.19	0.02	94.2	-1.09	
LC0012	0.202	0.0004	100	0.03	
LC0013	0.15	-	74.4	-4.84	H
LC0014	0.148	0.01	73.4	-5.02	H
LC0015	0.193	0.017	95.7	-0.81	
LC0016	0.199	0.02	98.7	-0.25	
LC0017	0.196	0.02	97.2	-0.53	
LC0018	0.2	0.008	99.2	-0.15	
LC0019	0.204	0.035	101	0.22	
LC0020	-	-	-	-	
LC0021	0.207	0.011	103	0.5	
LC0022	0.197	0.016	97.7	-0.43	
LC0023	0.212	0.021	105	0.97	
LC0024	0.201	0.002	99.7	-0.06	
LC0025	0.19	0.006	94.2	-1.09	
LC0026	0.213	0.003	106	1.06	
LC0027	0.198	0.02	98.2	-0.34	
LC0028	-	-	-	-	
LC0029	0.156	0.02	77.4	-4.27	H
LC0030	0.199	0.02	98.7	-0.25	
LC0031	0.2	0.012	99.2	-0.15	
LC0032	0.239	0.007	119	3.5	H
LC0033	0.206	0.02	102	0.41	
LC0034	0.1975	0.001	97.9	-0.39	
LC0035	0.17	0.017	84.3	-2.96	H
LC0036	0.223	0.044	111	2	
LC0037	0.204	0.013	101	0.22	
LC0038	-	-	-	-	
LC0039	0.208	0.02	103	0.59	
LC0040	-	-	-	-	
LC0041	0.201	0.008	99.7	-0.06	

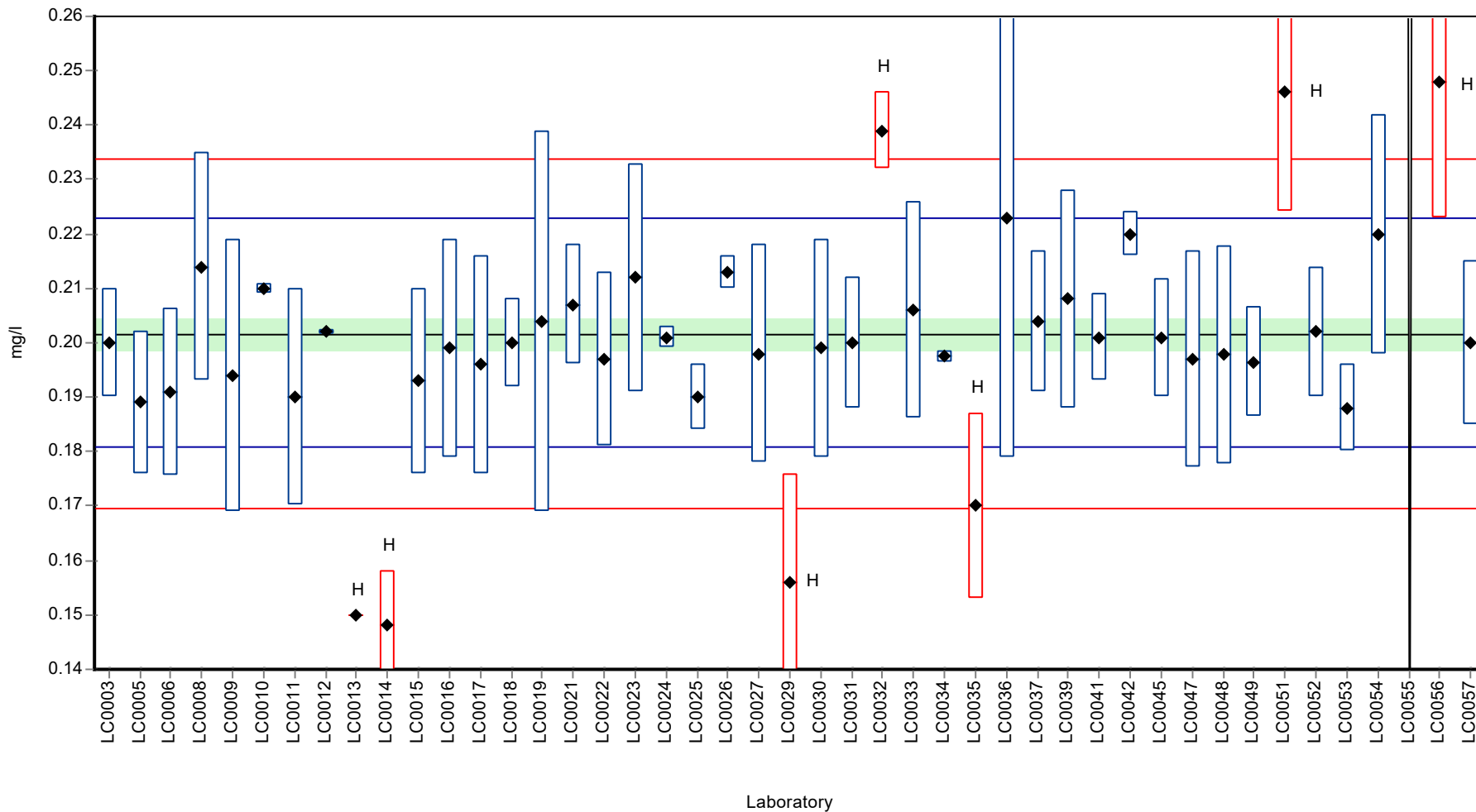
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	0.22	0.004	109	1.72	
LC0043	-	-	-	-	
LC0044	-	-	-	-	
LC0045	0.201	0.0109	99.7	-0.06	
LC0046	-	-	-	-	
LC0047	0.197	0.02	97.7	-0.43	
LC0048	0.1978	0.02	98.1	-0.36	
LC0049	0.1965	0.01	97.4	-0.48	
LC0050	-	-	-	-	
LC0051	0.246	0.022	122	4.15	H
LC0052	0.202	0.012	100	0.03	
LC0053	0.188	0.008	93.2	-1.28	
LC0054	0.22	0.022	109	1.72	
LC0055	< 0.5 (LOQ)	-	-	-	
LC0056	0.248	0.025	123	4.34	H
LC0057	0.2	0.015	99.2	-0.15	

Characteristics of parameter

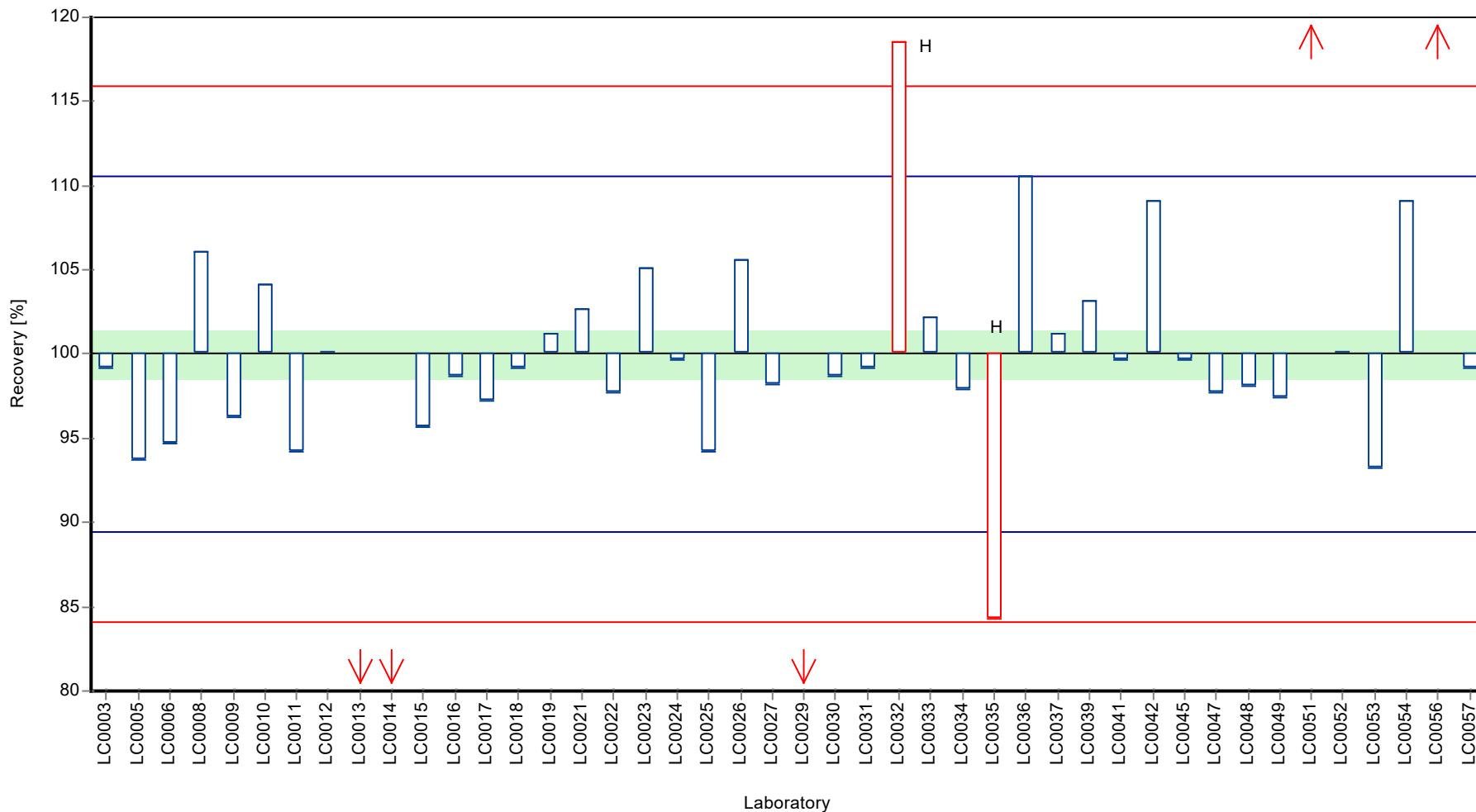
	all results	without outliers	Unit
Mean ± CI (99%)	0.2 ± 0.00894	0.202 ± 0.00429	mg/l
Minimum	0.148	0.188	mg/l
Maximum	0.248	0.223	mg/l
Standard deviation	0.0198	0.0087	mg/l
rel. standard deviation	9.86	4.31	%
n	44	37	-

Graphical presentation of results

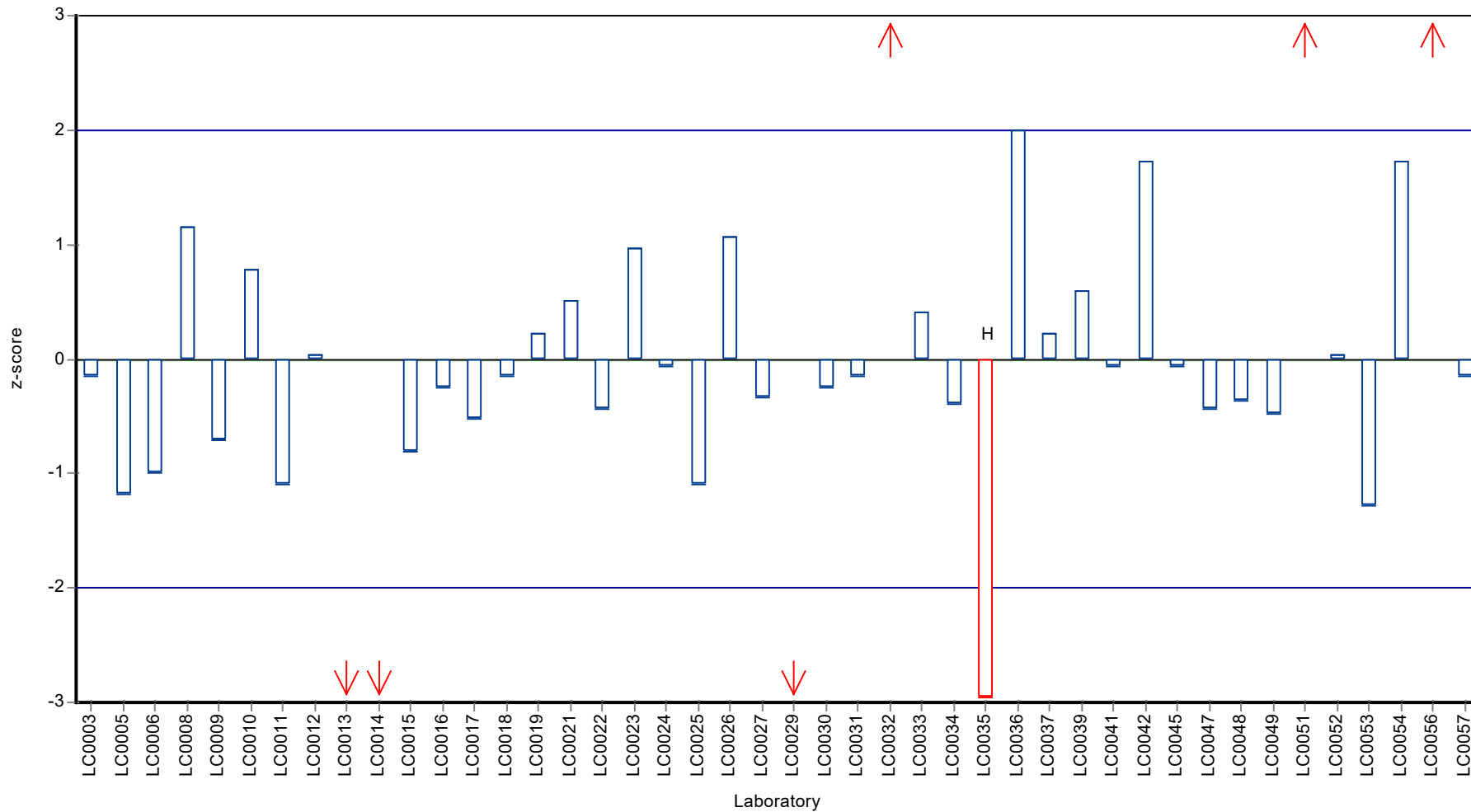
Results



Recovery rate



Z-score



Parameter oriented report

N150 B

Nitrite (as NO₂)

Unit	mg/l
Assigned value ± U (k=2)	0.221 ± 0.00316
Criterion	0.0117 (5.3 %)
Minimum - Maximum	0.2 - 0.247
Control test value ± U (k=2)	0.22 ± 0.0066

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	0.219	0.011	99.1	-0.16	
LC0004	-	-	-	-	
LC0005	0.203	0.014	91.9	-1.53	
LC0006	0.21	0.0168	95.1	-0.93	
LC0007	-	-	-	-	
LC0008	0.236	0.024	107	1.29	
LC0009	0.213	0.028	96.4	-0.67	
LC0010	0.233	0.001	105	1.03	
LC0011	-	-	-	-	
LC0012	0.221	0.0004	100	0.01	
LC0013	0.15	-	67.9	-6.05	H
LC0014	0.164	0.01	74.2	-4.86	H
LC0015	0.2	0.017	90.5	-1.78	
LC0016	0.219	0.02	99.1	-0.16	
LC0017	0.217	0.022	98.2	-0.33	
LC0018	0.22	0.004	99.6	-0.08	
LC0019	0.225	0.039	102	0.35	
LC0020	-	-	-	-	
LC0021	0.223	0.012	101	0.18	
LC0022	0.22	0.017	99.6	-0.08	
LC0023	0.232	0.023	105	0.95	
LC0024	0.222	0.002	101	0.1	
LC0025	0.21	0.006	95.1	-0.93	
LC0026	0.247	0.002	112	2.23	
LC0027	0.214	0.021	96.9	-0.59	
LC0028	-	-	-	-	
LC0029	0.063	0.07	28.5	-13.5	H
LC0030	0.22	0.022	99.6	-0.08	
LC0031	0.22	0.014	99.6	-0.08	
LC0032	0.25	0.005	113	2.49	H
LC0033	0.223	0.02	101	0.18	
LC0034	0.2186	0.001	99	-0.2	
LC0035	0.21	0.021	95.1	-0.93	
LC0036	0.275	0.048	124	4.62	H
LC0037	0.22	0.015	99.6	-0.08	
LC0038	-	-	-	-	
LC0039	0.231	0.03	105	0.86	
LC0040	0.22	0.01	99.6	-0.08	
LC0041	0.213	0.009	96.4	-0.67	

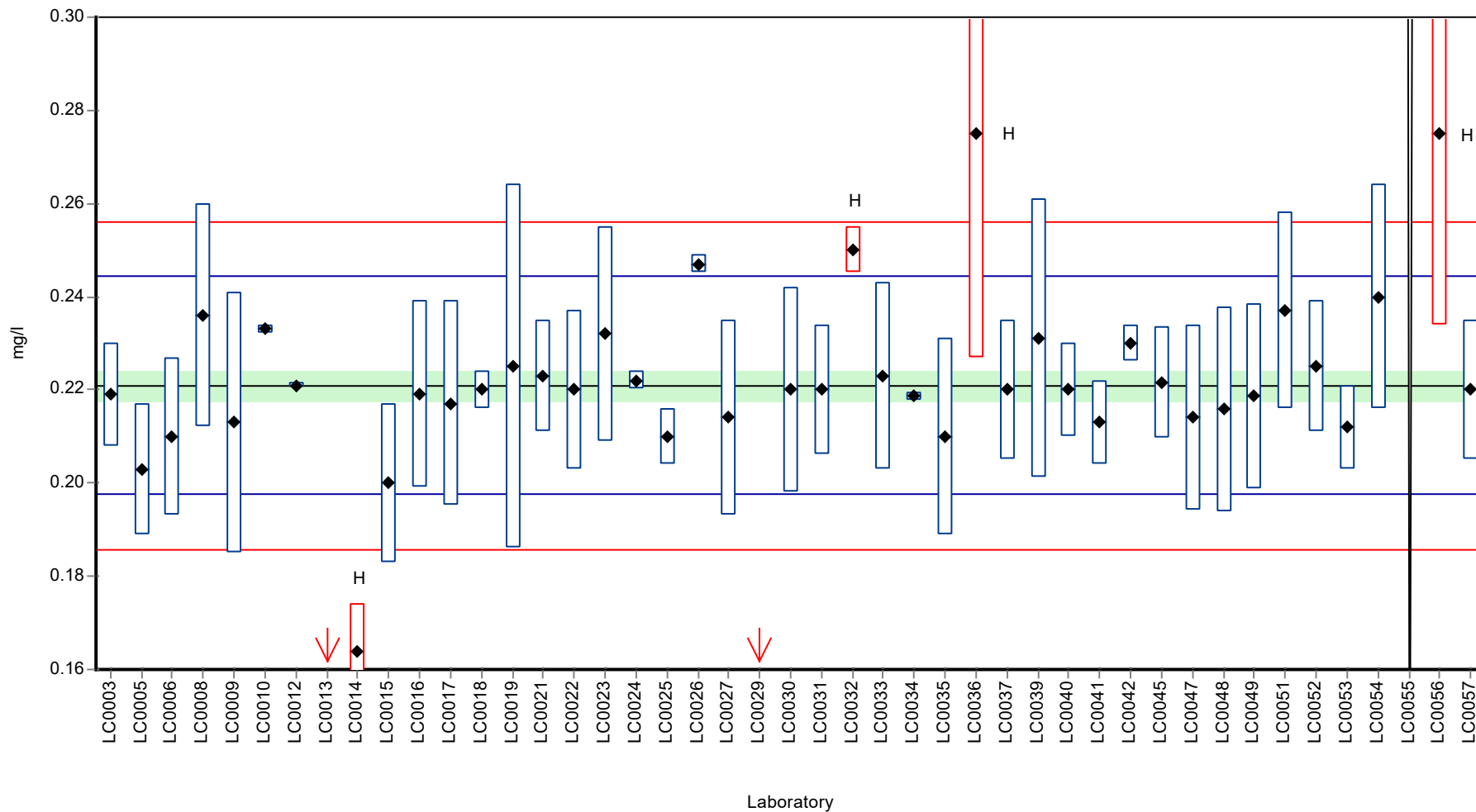
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	0.23	0.004	104	0.78	
LC0043	-	-	-	-	
LC0044	-	-	-	-	
LC0045	0.2215	0.012	100	0.05	
LC0046	-	-	-	-	
LC0047	0.214	0.02	96.9	-0.59	
LC0048	0.2159	0.022	97.7	-0.43	
LC0049	0.2186	0.02	99	-0.2	
LC0050	-	-	-	-	
LC0051	0.237	0.021	107	1.38	
LC0052	0.225	0.014	102	0.35	
LC0053	0.212	0.009	96	-0.76	
LC0054	0.24	0.024	109	1.63	
LC0055	< 0.5 (LOQ)	-	-	-	
LC0056	0.275	0.041	124	4.62	H
LC0057	0.22	0.015	99.6	-0.08	

Characteristics of parameter

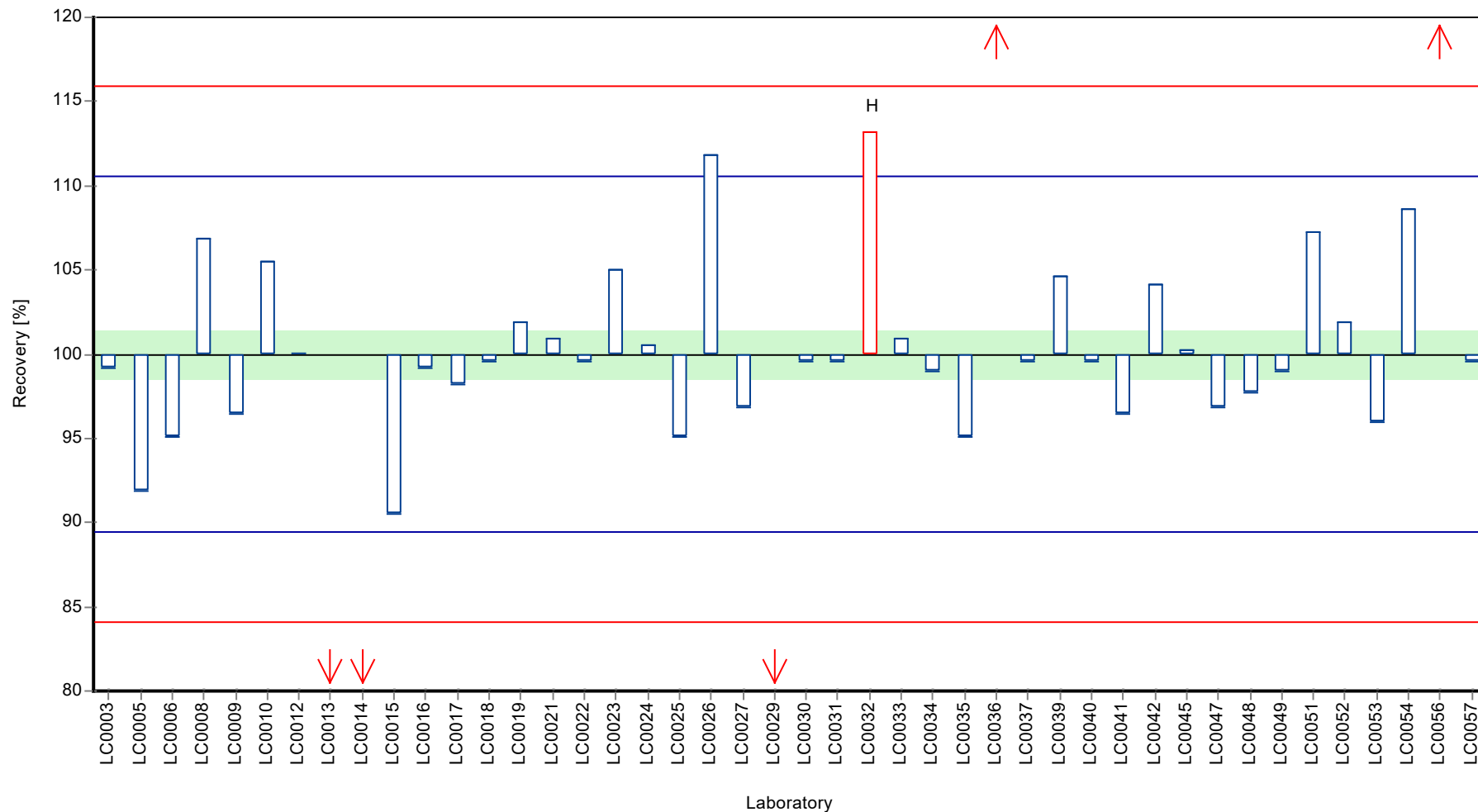
	all results	without outliers	Unit
Mean ± CI (99%)	0.218 ± 0.0143	0.221 ± 0.00474	mg/l
Minimum	0.063	0.2	mg/l
Maximum	0.275	0.247	mg/l
Standard deviation	0.0316	0.00974	mg/l
rel. standard deviation	14.5	4.41	%
n	44	38	-

Graphical presentation of results

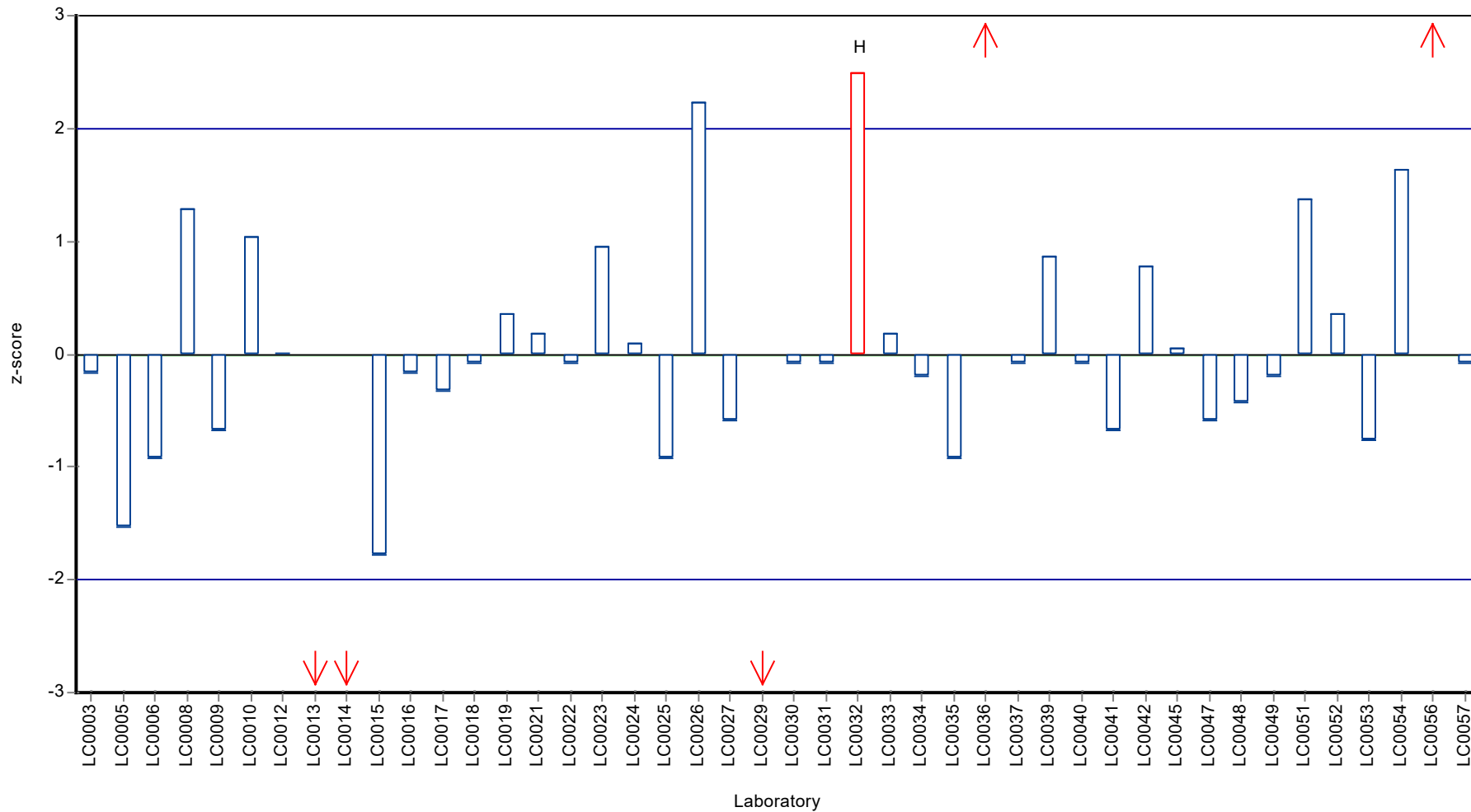
Results



Recovery rate



Z-score



Parameter oriented report

N150 A

Orthophosphate (as PO4)

Unit	mg/l
Assigned value ± U (k=2)	0.137 ± 0.00441
Criterion	0.0123 (9 %)
Minimum - Maximum	0.11 - 0.17
Control test value ± U (k=2)	0.0589 ± 0.00412

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	0.0607	0.004	44.4	-6.18	H
LC0004	-	-	-	-	
LC0005	0.13	0.009	95.1	-0.54	
LC0006	0.124	0.0149	90.7	-1.03	
LC0007	-	-	-	-	
LC0008	0.111	0.011	81.2	-2.09	
LC0009	0.11	0.02	80.5	-2.17	
LC0010	0.144	0.002	105	0.6	
LC0011	-	-	-	-	
LC0012	-	-	-	-	
LC0013	0.09	-	65.9	-3.79	H
LC0014	0.092	0.008	67.3	-3.63	H
LC0015	-	-	-	-	
LC0016	0.144	0.014	105	0.6	
LC0017	0.085	0.013	62.2	-4.2	H
LC0018	0.158	0.004	116	1.73	
LC0019	0.14	0.02	102	0.27	
LC0020	-	-	-	-	
LC0021	0.141	0.012	103	0.35	
LC0022	0.141	0.019	103	0.35	
LC0023	0.137	0.014	100	0.03	
LC0024	0.063	0.002	46.1	-5.99	H
LC0025	0.13	0.005	95.1	-0.54	
LC0026	0.057	0.001	41.7	-6.48	H
LC0027	0.078	0.008	57.1	-4.77	H
LC0028	-	-	-	-	
LC0029	< 0.1 (LOQ)	-	-	-	
LC0030	0.13	0.013	95.1	-0.54	
LC0031	0.177	0.01	130	3.28	H
LC0032	0.129	0.006	94.4	-0.62	
LC0033	0.144	0.02	105	0.6	
LC0034	0.1368	0.0015	100	0.01	
LC0035	0.13	0.013	95.1	-0.54	
LC0036	< 1 (LOQ)	-	-	-	
LC0037	0.129	0.01	94.4	-0.62	
LC0038	-	-	-	-	
LC0039	0.15	0.02	110	1.08	
LC0040	-	-	-	-	
LC0041	-	-	-	-	

Parameter oriented report Nutrients/Major Ions N150 Sample: N150A, Parameter: Orthophosphate (as PO4)

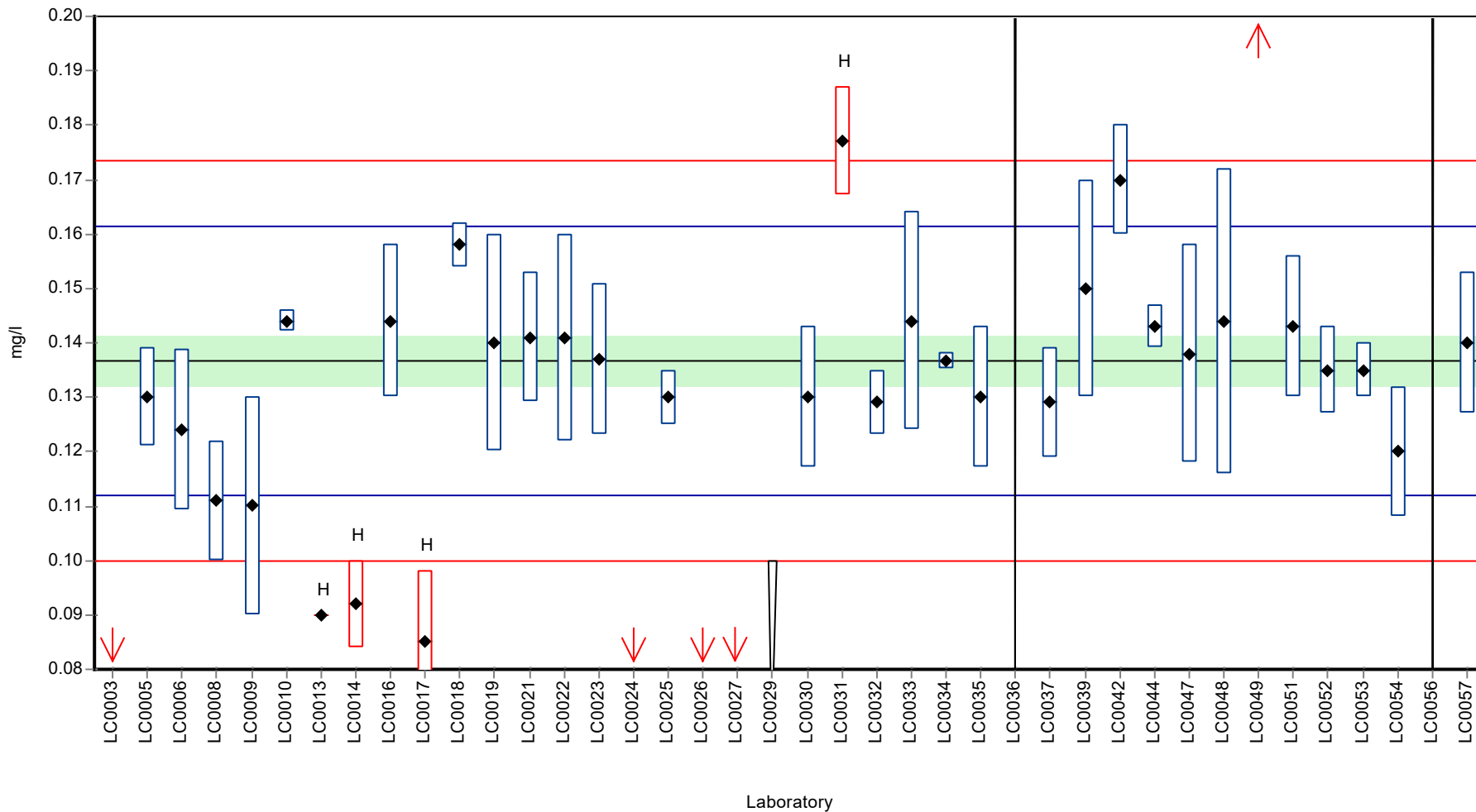
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	0.17	0.01	124	2.71	
LC0043	-	-	-	-	
LC0044	0.143	0.004	105	0.51	
LC0045	-	-	-	-	
LC0046	-	-	-	-	
LC0047	0.138	0.02	101	0.11	
LC0048	0.144	0.028	105	0.6	
LC0049	0.2208	0.02	162	6.84	H
LC0050	-	-	-	-	
LC0051	0.143	0.013	105	0.51	
LC0052	0.135	0.008	98.8	-0.14	
LC0053	0.135	0.005	98.8	-0.14	
LC0054	0.12	0.012	87.8	-1.36	
LC0055	-	-	-	-	
LC0056	< 1 (LOQ)	-	-	-	
LC0057	0.14	0.013	102	0.27	

Characteristics of parameter

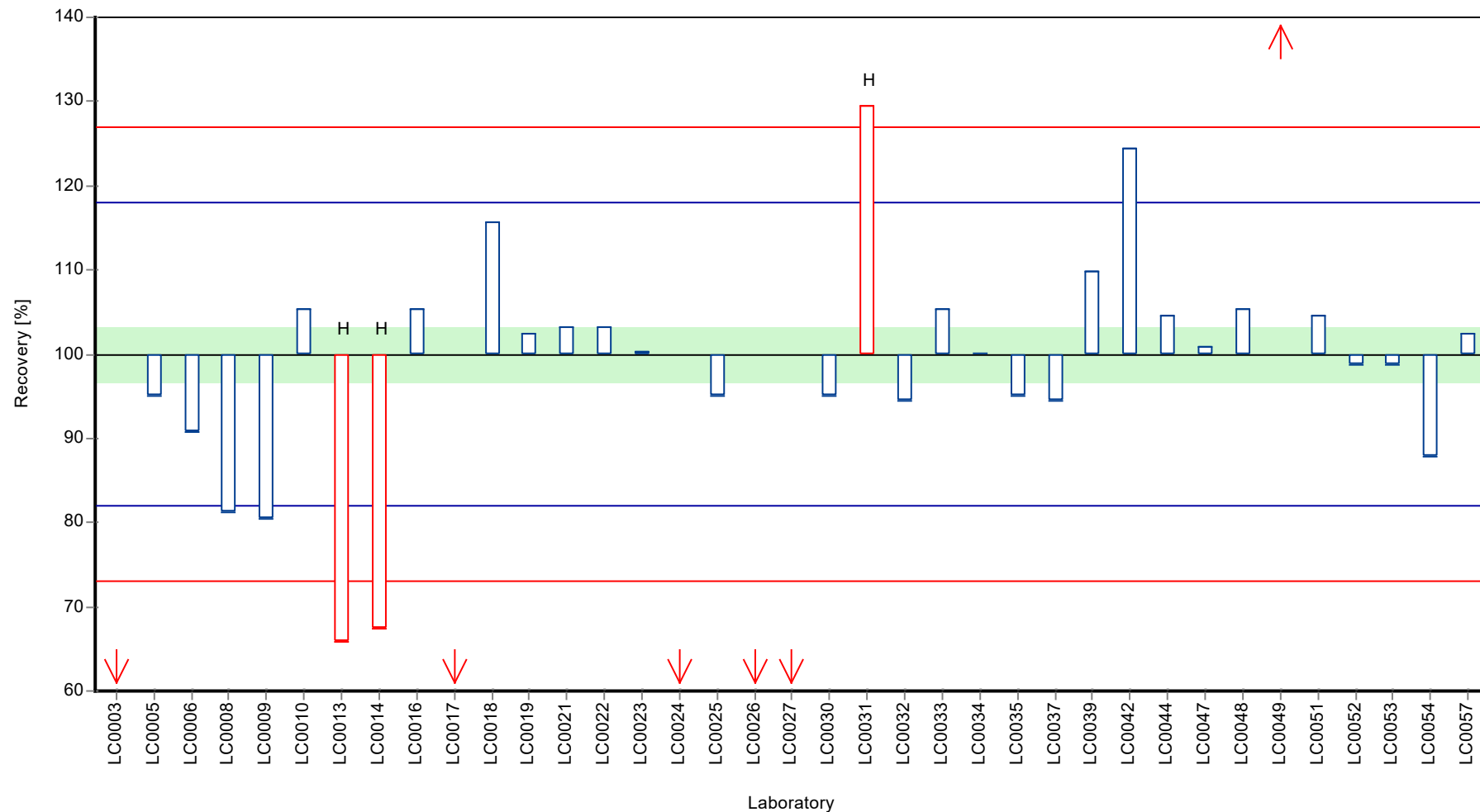
	all results	without outliers	Unit
Mean ± CI (99%)	0.128 ± 0.0161	0.137 ± 0.00708	mg/l
Minimum	0.057	0.11	mg/l
Maximum	0.221	0.17	mg/l
Standard deviation	0.0326	0.0125	mg/l
rel. standard deviation	25.4	9.14	%
n	37	28	-

Graphical presentation of results

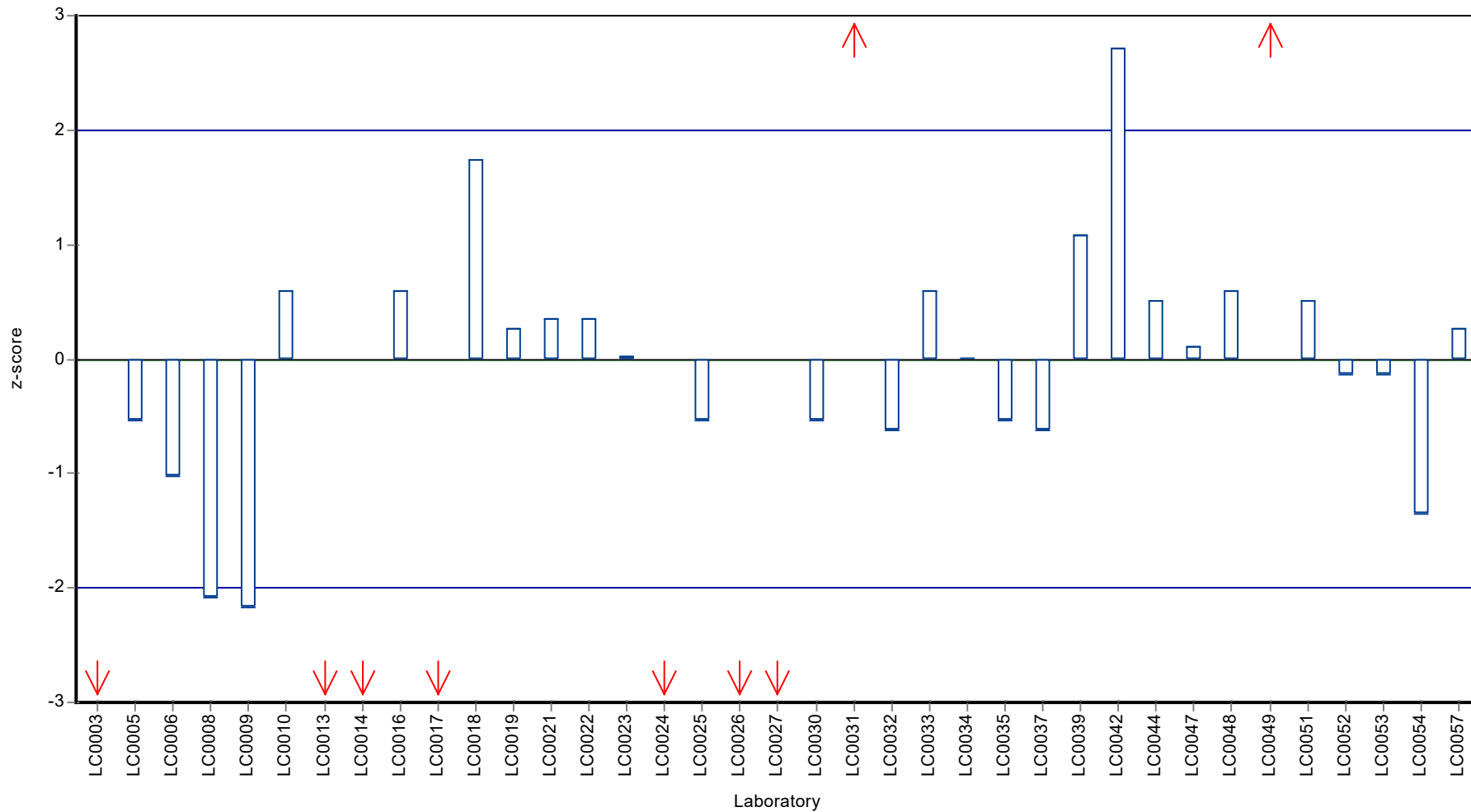
Results



Recovery rate



Z-score



Parameter oriented report

N150 B

Orthophosphate (as PO4)

Unit	mg/l
Assigned value ± U (k=2)	0.166 ± 0.00363
Criterion	0.0149 (9 %)
Minimum - Maximum	0.15 - 0.19
Control test value ± U (k=2)	0.151 ± 0.0105

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	0.165	0.012	99.4	-0.07	
LC0004	-	-	-	-	
LC0005	0.173	0.012	104	0.47	
LC0006	0.165	0.0198	99.4	-0.07	
LC0007	-	-	-	-	
LC0008	0.15	0.015	90.4	-1.07	
LC0009	0.16	0.03	96.4	-0.4	
LC0010	0.165	0.0014	99.4	-0.07	
LC0011	-	-	-	-	
LC0012	-	-	-	-	
LC0013	0.12	-	72.3	-3.08	H
LC0014	0.095	0.009	57.2	-4.75	H
LC0015	-	-	-	-	
LC0016	0.173	0.017	104	0.47	
LC0017	0.174	0.026	105	0.54	
LC0018	0.192	0.004	116	1.74	H
LC0019	0.16	0.02	96.4	-0.4	
LC0020	-	-	-	-	
LC0021	0.169	0.014	102	0.2	
LC0022	0.165	0.022	99.4	-0.07	
LC0023	0.168	0.017	101	0.14	
LC0024	0.154	0.002	92.8	-0.8	
LC0025	0.157	0.005	94.6	-0.6	
LC0026	0.086	0.001	51.8	-5.35	H
LC0027	0.163	0.016	98.2	-0.2	
LC0028	-	-	-	-	
LC0029	< 0.1 (LOQ)	-	-	-	FN
LC0030	0.13	0.013	78.3	-2.41	H
LC0031	0.19	0.011	114	1.61	
LC0032	0.161	0.002	97	-0.33	
LC0033	0.166	0.02	100	0.00	
LC0034	0.1646	0.0015	99.2	-0.09	
LC0035	0.16	0.016	96.4	-0.4	
LC0036	< 1 (LOQ)	-	-	-	
LC0037	0.152	0.011	91.6	-0.94	
LC0038	-	-	-	-	
LC0039	0.159	0.02	95.8	-0.47	
LC0040	< 0.25 (LOQ)	-	-	-	
LC0041	-	-	-	-	

Parameter oriented report Nutrients/Major Ions N150 Sample: N150B, Parameter: Orthophosphate (as PO4)

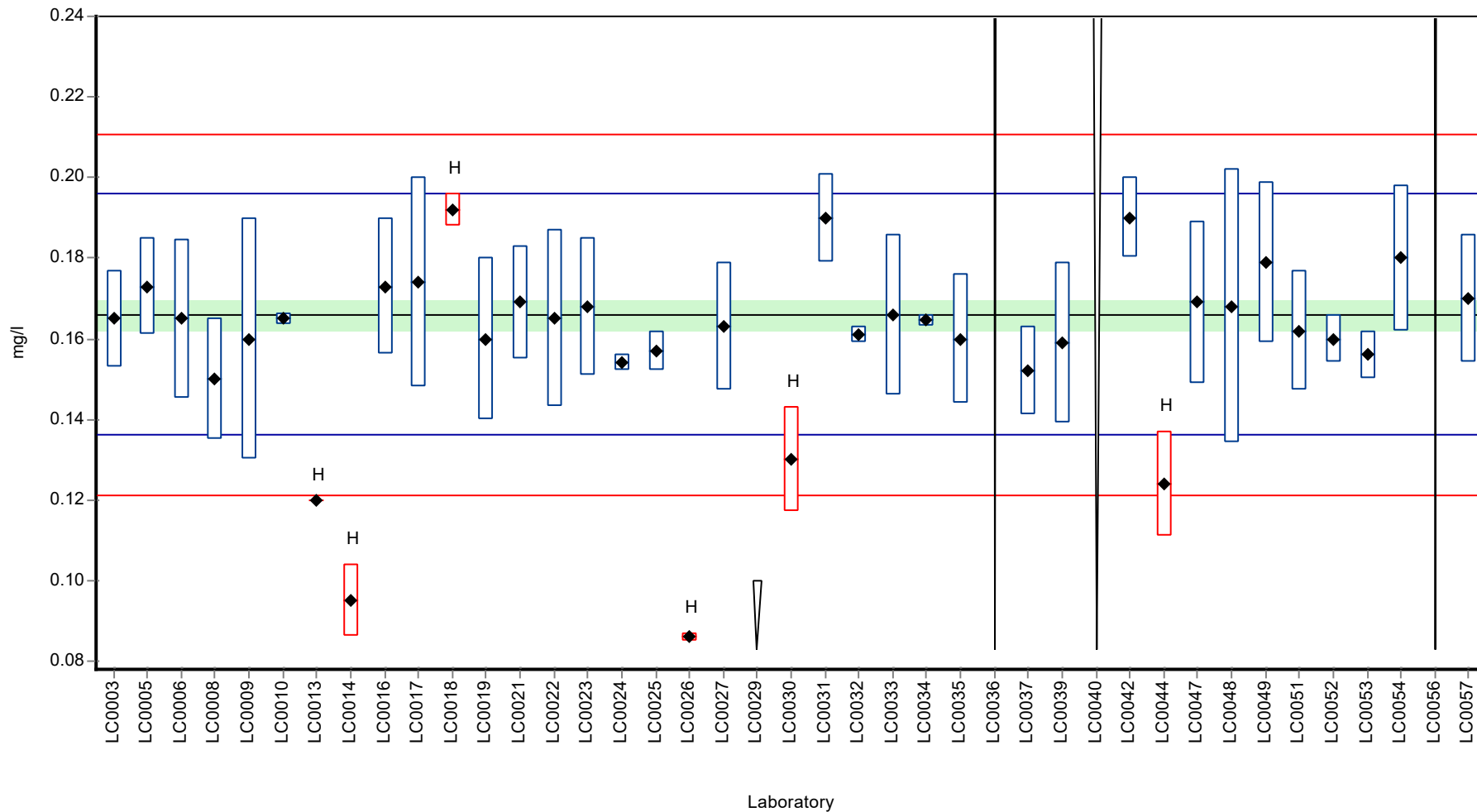
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	0.19	0.01	114	1.61	
LC0043	-	-	-	-	
LC0044	0.124	0.013	74.7	-2.81	H
LC0045	-	-	-	-	
LC0046	-	-	-	-	
LC0047	0.169	0.02	102	0.2	
LC0048	0.168	0.034	101	0.14	
LC0049	0.1789	0.02	108	0.86	
LC0050	-	-	-	-	
LC0051	0.162	0.015	97.6	-0.27	
LC0052	0.16	0.006	96.4	-0.4	
LC0053	0.156	0.006	94	-0.67	
LC0054	0.18	0.018	108	0.94	
LC0055	-	-	-	-	
LC0056	< 1 (LOQ)	-	-	-	
LC0057	0.17	0.016	102	0.27	

Characteristics of parameter

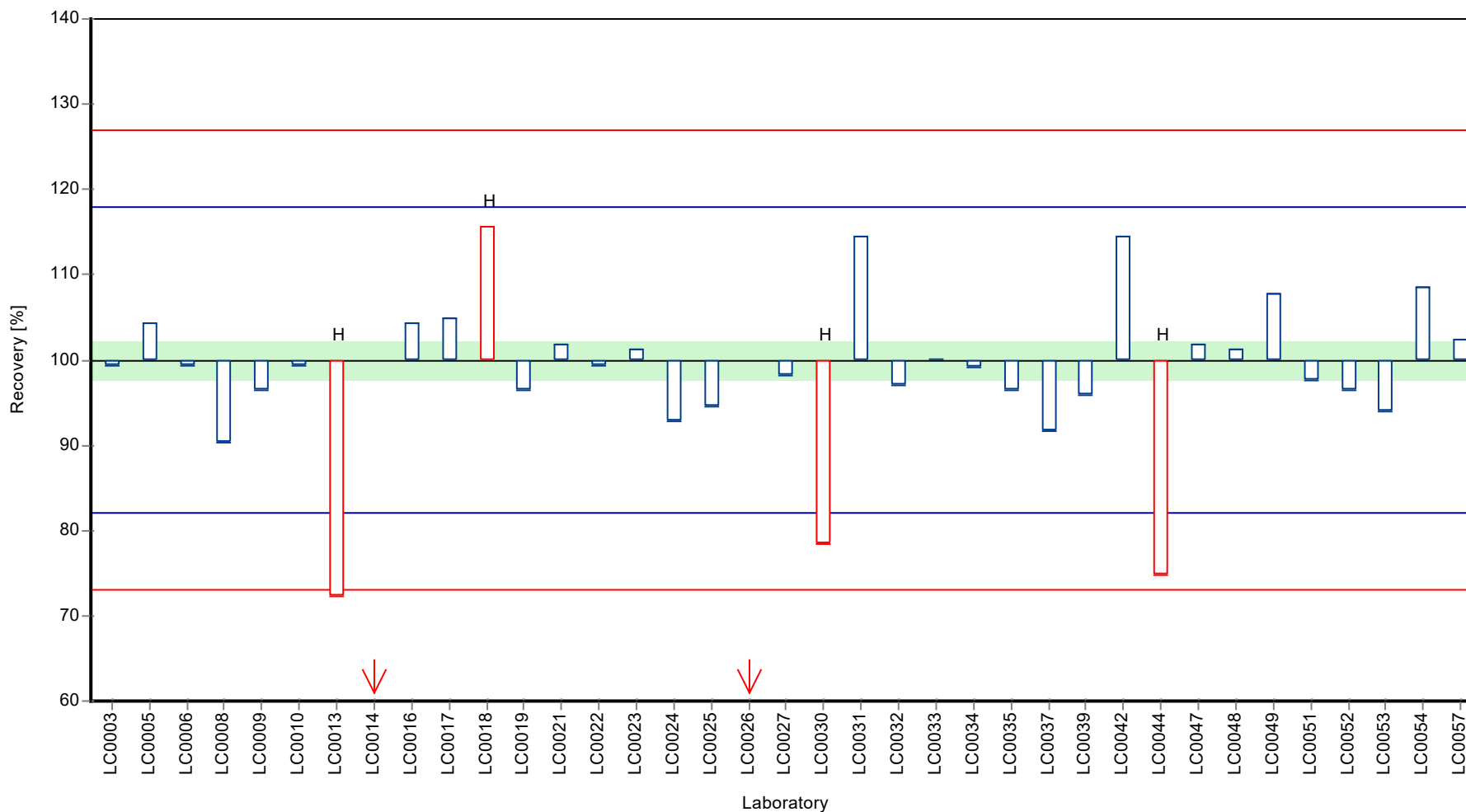
	all results	without outliers	Unit
Mean ± CI (99%)	0.159 ± 0.0111	0.166 ± 0.00515	mg/l
Minimum	0.086	0.15	mg/l
Maximum	0.192	0.19	mg/l
Standard deviation	0.0226	0.00956	mg/l
rel. standard deviation	14.2	5.76	%
n	37	31	-

Graphical presentation of results

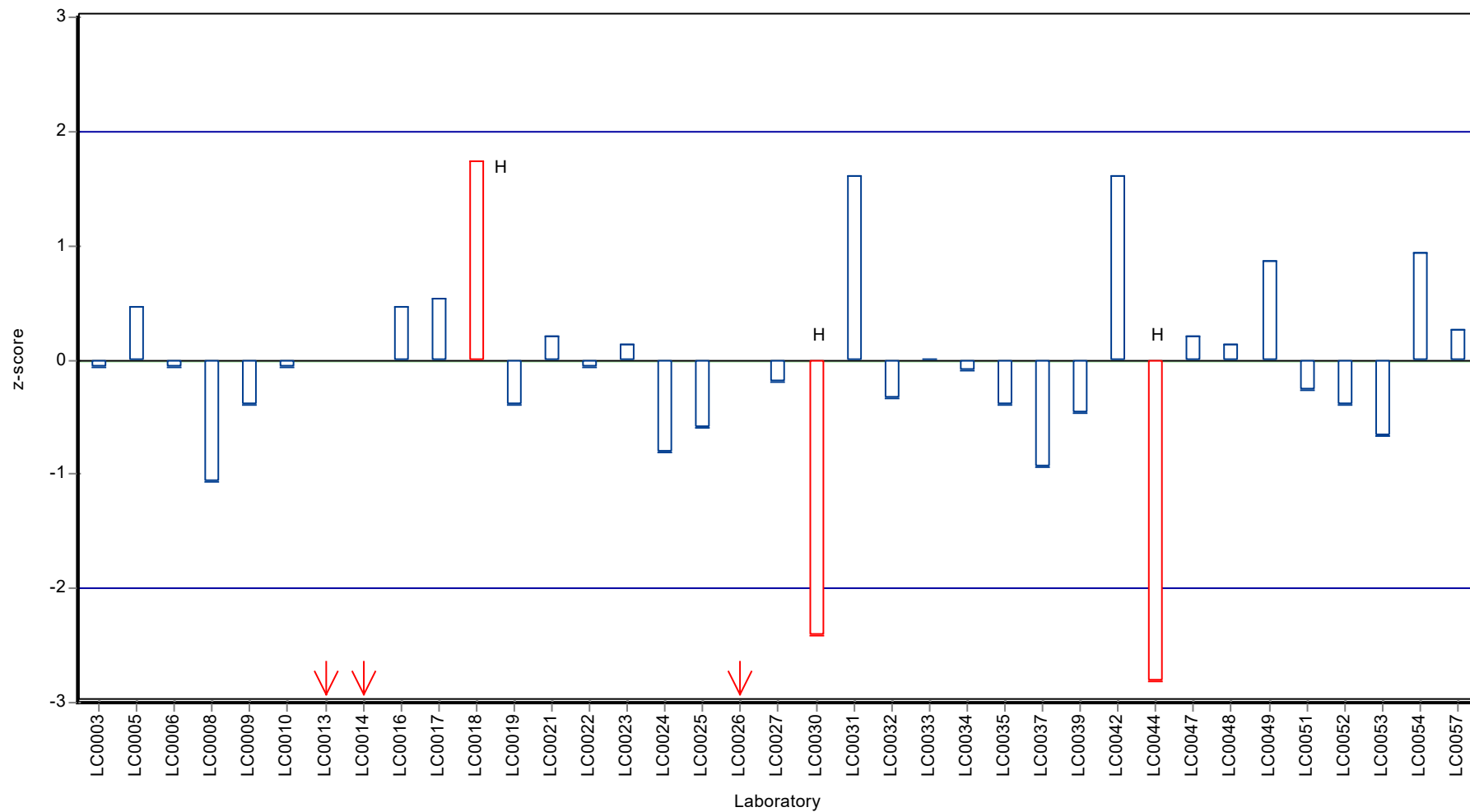
Results



Recovery rate



Z-score



Parameter oriented report

N150 A

pH-value

Unit	-
Assigned value ± U (k=2)	7.77 ± 0.027
Criterion	0.155 (2 %)
Minimum - Maximum	7.6 - 8
Control test value ± U (k=2)	7.7 ± 0.00385

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	7.78	0.0778	100	0.08	
LC0002	7.66	0.04	98.6	-0.69	
LC0003	8.13	0.16	105	2.34	H
LC0004	7.7	0.1	99.1	-0.43	
LC0005	7.92	0.24	102	0.98	
LC0006	7.7	0.46	99.1	-0.43	
LC0007	-	-	-	-	
LC0008	7.74	0.1	99.6	-0.17	
LC0009	7.66	0.1	98.6	-0.69	
LC0010	7.83	0.02	101	0.4	
LC0011	7.7	0.12	99.1	-0.43	
LC0012	7.73	0.014	99.5	-0.24	
LC0013	7.38	-	95	-2.49	H
LC0014	7.68	0.12	98.9	-0.56	
LC0015	7.73	0.2	99.5	-0.24	
LC0016	7.94	0.1	102	1.11	
LC0017	7.76	0.14	99.9	-0.05	
LC0018	7.73	0.049	99.5	-0.24	
LC0019	7.9	0.1	102	0.85	
LC0020	7.9	0.1	102	0.85	
LC0021	7.76	0.01	99.9	-0.05	
LC0022	7.8	0.3	100	0.21	
LC0023	7.85	0.3	101	0.53	
LC0024	8.11	0.05	104	2.21	H
LC0025	7.68	0.05	98.9	-0.56	
LC0026	7.774	0.176	100	0.04	
LC0027	7.85	0.2	101	0.53	
LC0028	7.69	0.05	99	-0.5	
LC0029	7.8	0.1	100	0.21	
LC0030	7.6	0.2	97.8	-1.08	
LC0031	7.77	0.03	100	0.02	
LC0032	7.87	0.12	101	0.66	
LC0033	7.81	0.4	101	0.28	
LC0034	7.78	0.08	100	0.08	
LC0035	8.06	0.16	104	1.88	H
LC0036	-	-	-	-	
LC0037	7.75	0.12	99.8	-0.11	
LC0038	7.72	0.2	99.4	-0.3	
LC0039	7.88	0.22	101	0.73	
LC0040	-	-	-	-	
LC0041	-	-	-	-	

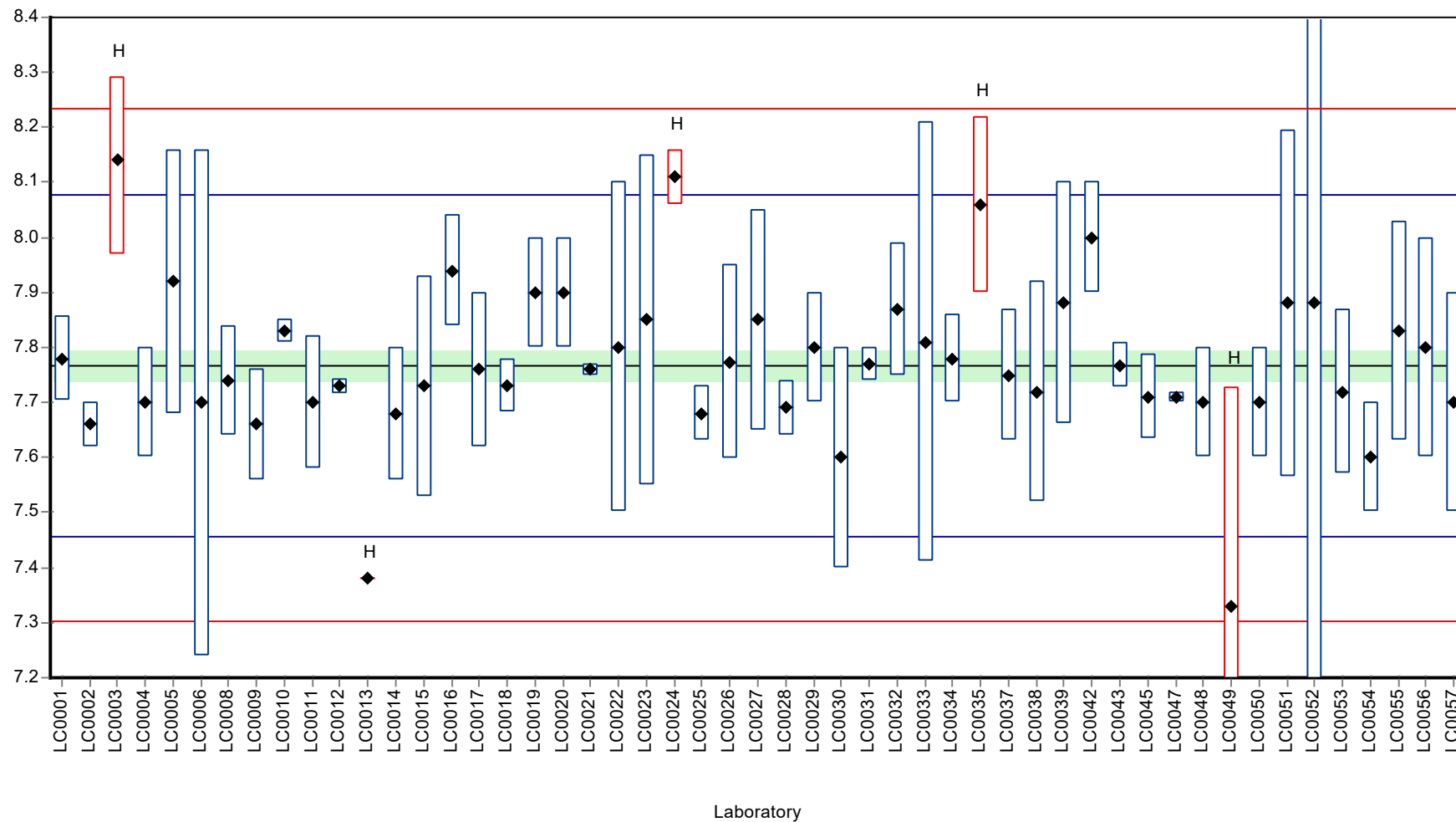
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	8	0.1	103	1.5	
LC0043	7.768	0.04	100	0.01	
LC0044	-	-	-	-	
LC0045	7.71	0.0771	99.3	-0.37	
LC0046	-	-	-	-	
LC0047	7.71	0.01	99.3	-0.37	
LC0048	7.7	0.1	99.1	-0.43	
LC0049	7.329	0.4	94.4	-2.82	H
LC0050	7.7	0.1	99.1	-0.43	
LC0051	7.88	0.315	101	0.73	
LC0052	7.88	1.18	101	0.73	
LC0053	7.72	0.15	99.4	-0.3	
LC0054	7.6	0.1	97.8	-1.08	
LC0055	7.83	0.2	101	0.4	
LC0056	7.8	0.2	100	0.21	
LC0057	7.7	0.2	99.1	-0.43	

Characteristics of parameter

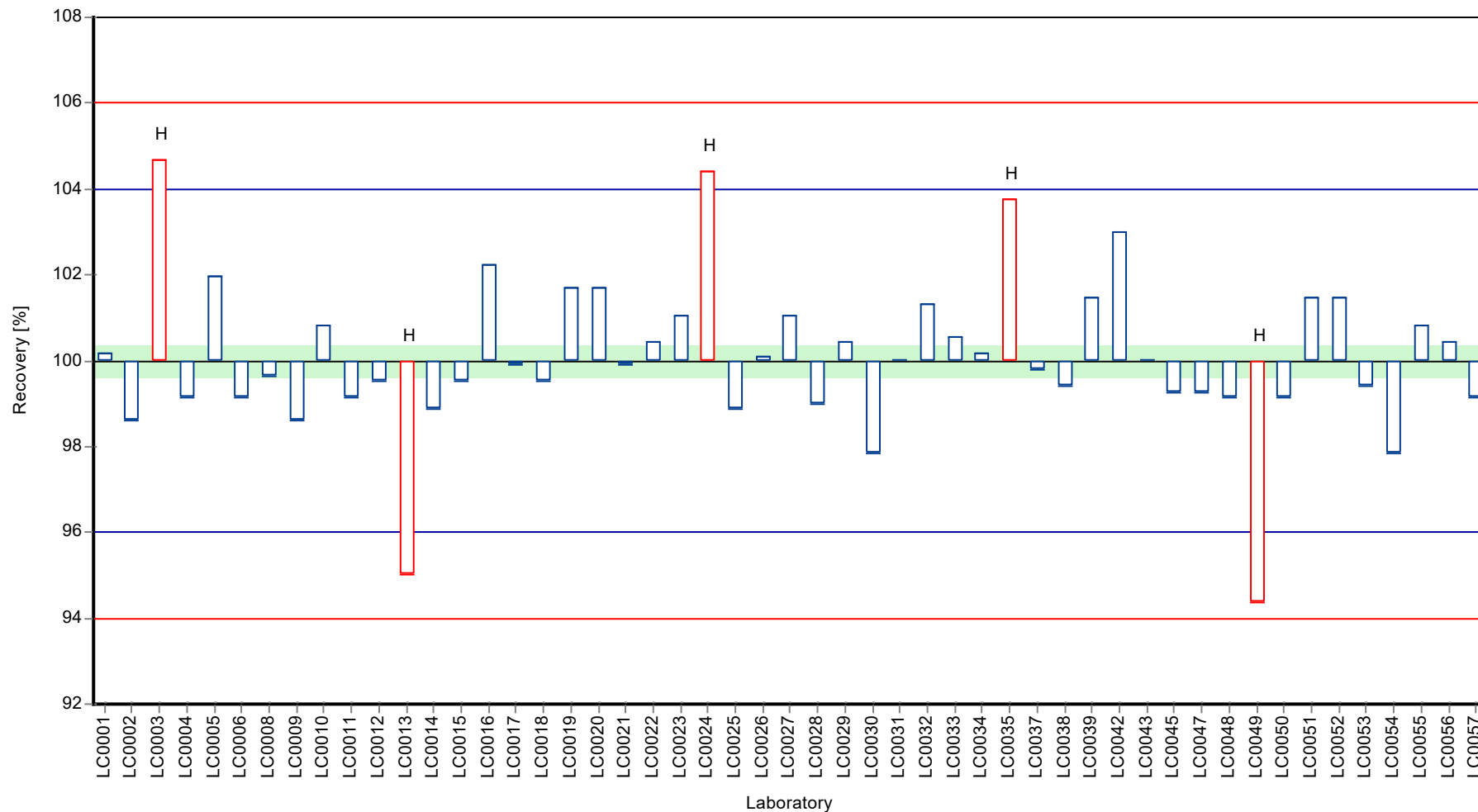
	all results	without outliers	Unit
Mean ± CI (99%)	7.77 ± 0.0605	7.77 ± 0.0396	-
Minimum	7.33	7.6	-
Maximum	8.13	8	-
Standard deviation	0.144	0.0896	-
rel. standard deviation	1.85	1.15 %	
n	51	46	-

Graphical presentation of results

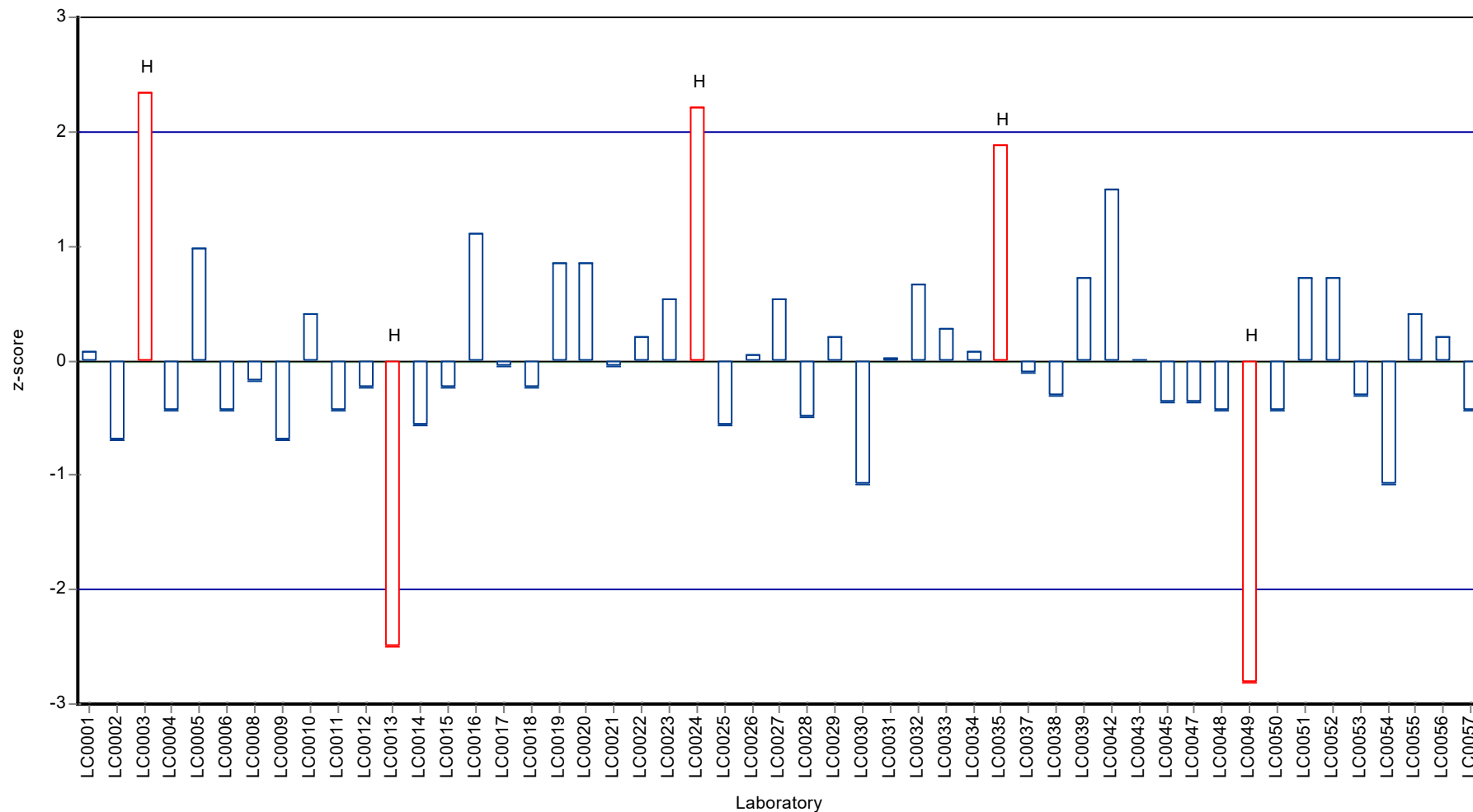
Results



Recovery rate



Z-score



Parameter oriented report

N150 B

pH-value

Unit	-
Assigned value ± U (k=2)	7.74 ± 0.033
Criterion	0.155 (2 %)
Minimum - Maximum	7.4 - 7.96
Control test value ± U (k=2)	7.72 ± 0.00386

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	7.89	0.0789	102	1	
LC0002	7.69	0.04	99.4	-0.29	
LC0003	7.96	0.15	103	1.45	
LC0004	7.7	0.1	99.5	-0.23	
LC0005	7.85	0.24	101	0.74	
LC0006	7.7	0.46	99.5	-0.23	
LC0007	-	-	-	-	
LC0008	7.73	0.1	99.9	-0.03	
LC0009	7.6	0.1	98.3	-0.87	
LC0010	7.77	0.02	100	0.22	
LC0011	-	-	-	-	
LC0012	7.68	0.014	99.3	-0.36	
LC0013	7.28	-	94.1	-2.94	H
LC0014	7.63	0.12	98.6	-0.68	
LC0015	7.78	0.2	101	0.29	
LC0016	7.84	0.1	101	0.68	
LC0017	7.54	0.14	97.5	-1.26	
LC0018	7.68	0.035	99.3	-0.36	
LC0019	7.88	0.1	102	0.94	
LC0020	7.91	0.1	102	1.13	
LC0021	7.74	0.01	100	0.03	
LC0022	7.7	0.3	99.5	-0.23	
LC0023	7.7	0.3	99.5	-0.23	
LC0024	7.95	0.05	103	1.39	
LC0025	7.7	0.02	99.5	-0.23	
LC0026	7.696	0.006	99.5	-0.25	
LC0027	7.77	0.2	100	0.22	
LC0028	7.71	0.05	99.7	-0.16	
LC0029	7.8	0.04	101	0.42	
LC0030	7.6	0.2	98.3	-0.87	
LC0031	7.67	0.04	99.2	-0.42	
LC0032	7.7	0.1	99.5	-0.23	
LC0033	7.79	0.4	101	0.35	
LC0034	7.77	0.08	100	0.22	
LC0035	8.12	0.16	105	2.49	H
LC0036	-	-	-	-	
LC0037	7.77	0.12	100	0.22	
LC0038	7.77	0.2	100	0.22	
LC0039	7.83	0.22	101	0.61	
LC0040	7.4	0.7	95.7	-2.17	
LC0041	-	-	-	-	

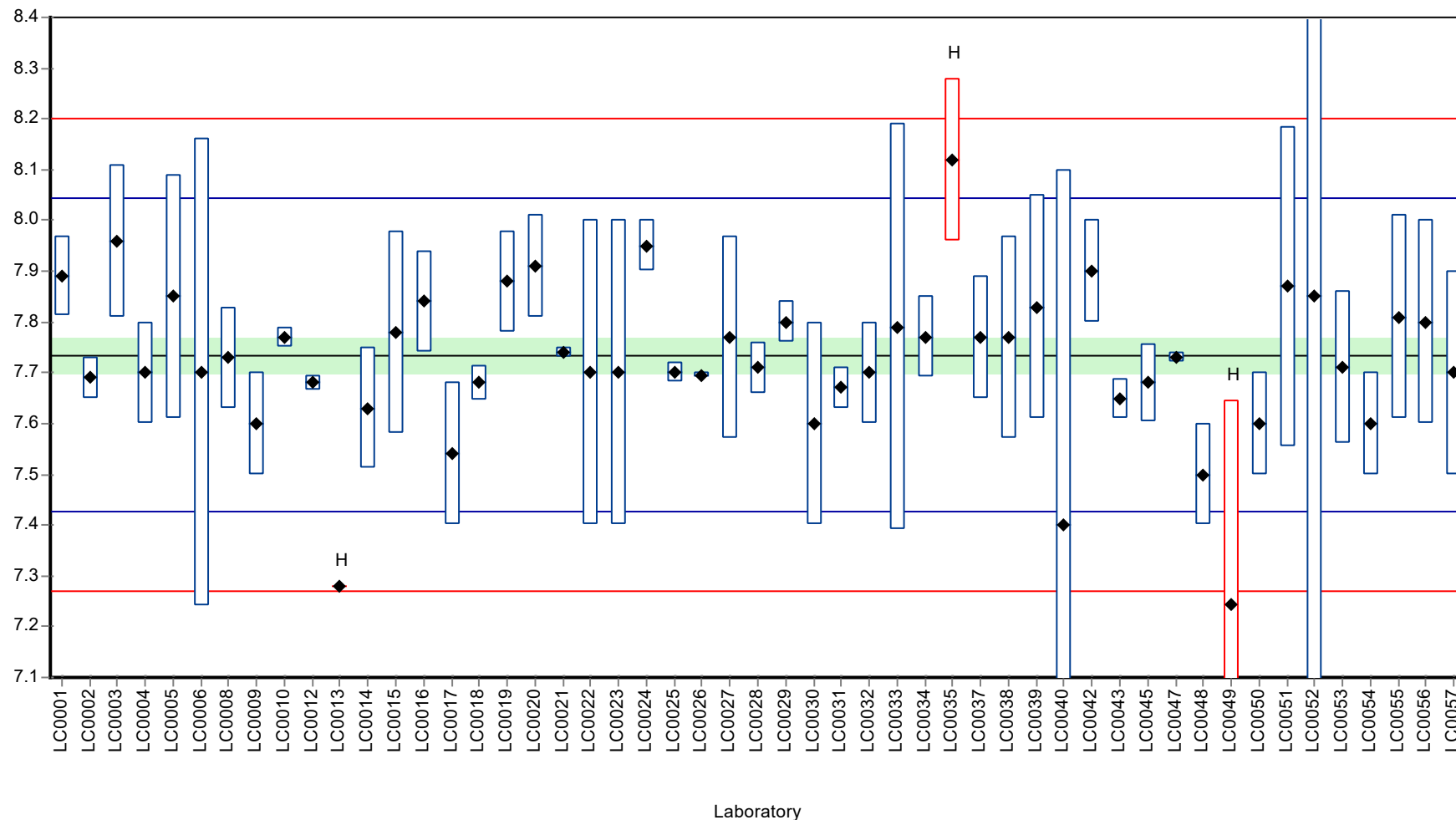
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	7.9	0.1	102	1.06	
LC0043	7.648	0.04	98.9	-0.56	
LC0044	-	-	-	-	
LC0045	7.68	0.0768	99.3	-0.36	
LC0046	-	-	-	-	
LC0047	7.73	0.011	99.9	-0.03	
LC0048	7.5	0.1	97	-1.52	
LC0049	7.244	0.4	93.6	-3.18	H
LC0050	7.6	0.1	98.3	-0.87	
LC0051	7.87	0.315	102	0.87	
LC0052	7.85	1.18	101	0.74	
LC0053	7.71	0.15	99.7	-0.16	
LC0054	7.6	0.1	98.3	-0.87	
LC0055	7.81	0.2	101	0.48	
LC0056	7.8	0.2	101	0.42	
LC0057	7.7	0.2	99.5	-0.23	

Characteristics of parameter

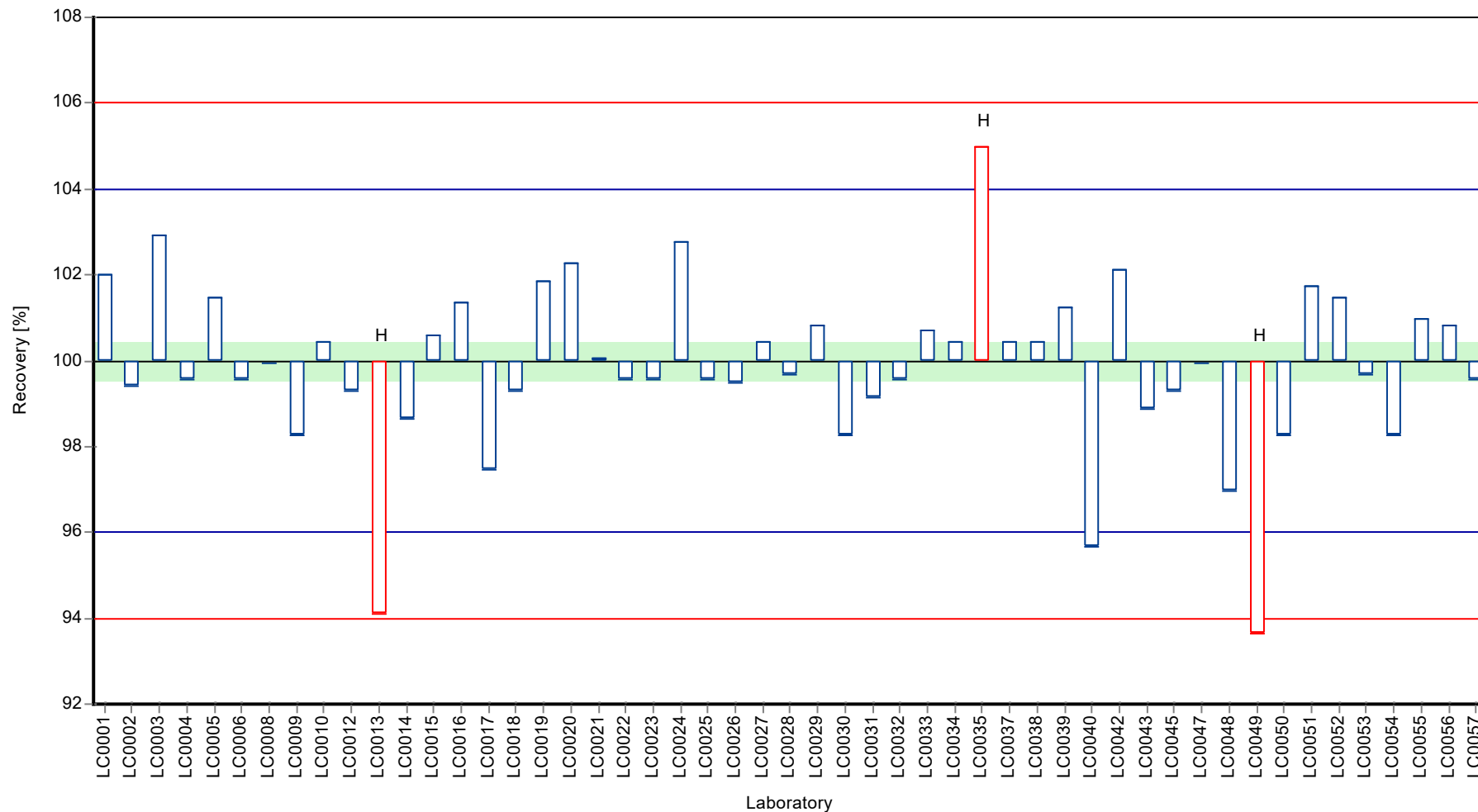
	all results	without outliers	Unit
Mean ± CI (99%)	7.72 ± 0.0652	7.74 ± 0.0495	-
Minimum	7.24	7.4	-
Maximum	8.12	7.96	-
Standard deviation	0.155	0.114	-
rel. standard deviation	2.01	1.48	%
n	51	48	-

Graphical presentation of results

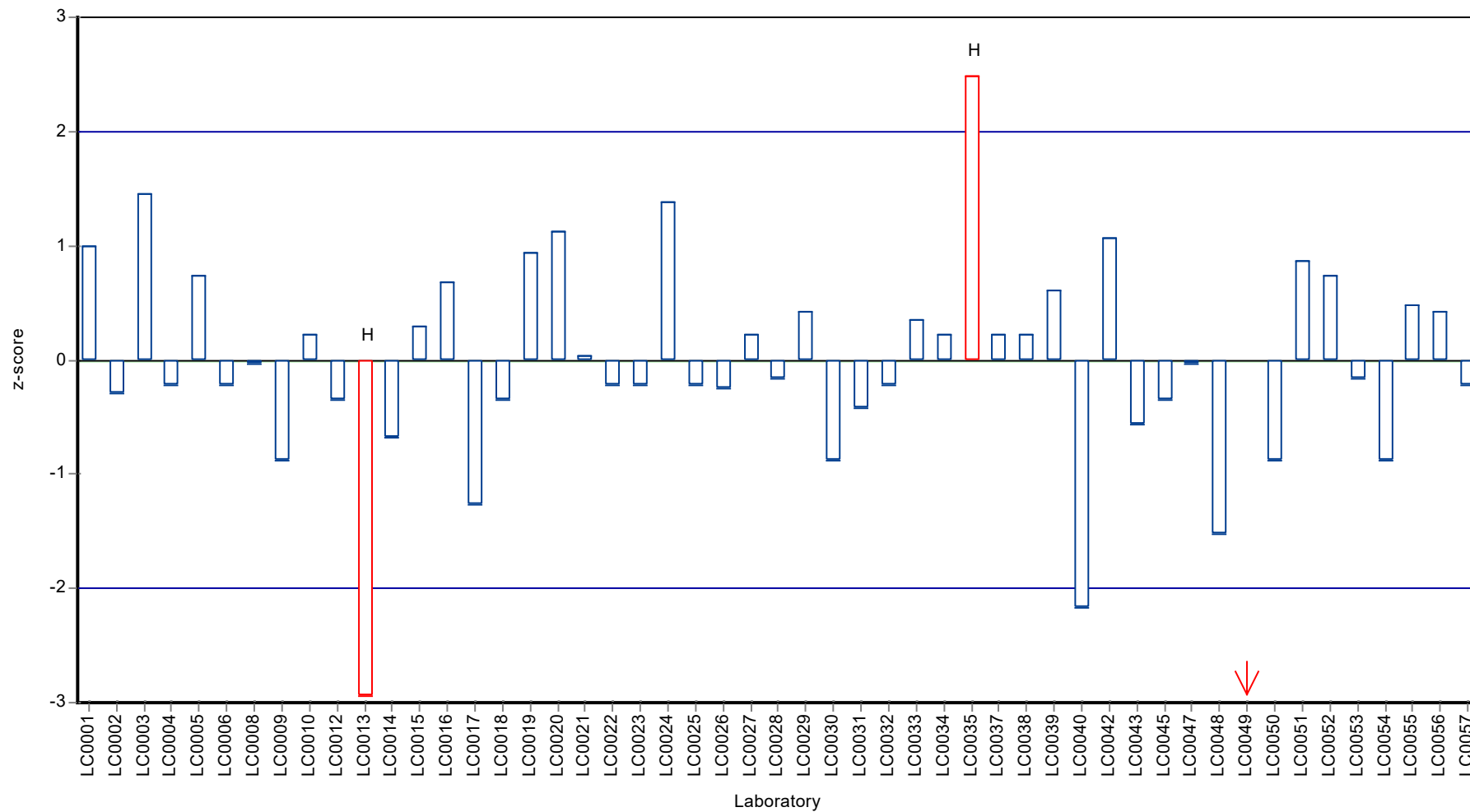
Results



Recovery rate



Z-score



Parameter oriented report

N150 A

Potassium

Unit	mg/l
Assigned value ± U (k=2)	2.28 ± 0.0331
Criterion	0.118 (5.2 %)
Minimum - Maximum	2.1 - 2.49
Control test value ± U (k=2)	2.21 ± 0.0884

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	2.21	0.1	97	-0.57	
LC0004	-	-	-	-	
LC0005	2.71	0.19	119	3.65	H
LC0006	2.43	0.243	107	1.29	
LC0007	-	-	-	-	
LC0008	2.34	0.23	103	0.53	
LC0009	2.3	0.4	101	0.19	
LC0010	2.27	0.012	99.7	-0.06	
LC0011	1.9	0.14	83.4	-3.19	H
LC0012	-	-	-	-	
LC0013	1.88	-	82.5	-3.36	H
LC0014	2.8	0.22	123	4.41	H
LC0015	2.44	0.19	107	1.37	
LC0016	2.249	0.21	98.7	-0.24	
LC0017	2.33	0.19	102	0.44	
LC0018	-	-	-	-	
LC0019	2.22	0.25	97.5	-0.49	
LC0020	-	-	-	-	
LC0021	2.2	0.1	96.6	-0.66	
LC0022	2.4	0.1	105	1.03	
LC0023	2.1	0.19	92.2	-1.5	
LC0024	2.49	0.02	109	1.79	
LC0025	2.25	0.09	98.8	-0.23	
LC0026	2.203	0.005	96.7	-0.63	
LC0027	2.27	0.23	99.7	-0.06	
LC0028	-	-	-	-	
LC0029	2.27	0.3	99.7	-0.06	
LC0030	2.26	0.23	99.2	-0.15	
LC0031	-	-	-	-	
LC0032	2.33	0.05	102	0.44	
LC0033	2.23	0.3	97.9	-0.4	
LC0034	2.2	0.017	96.6	-0.66	
LC0035	2.32	0.118	102	0.36	
LC0036	2.158	0.177	94.7	-1.01	
LC0037	2.1	1	92.2	-1.5	
LC0038	-	-	-	-	
LC0039	2.234	0.1113	98.1	-0.37	
LC0040	-	-	-	-	
LC0041	-	-	-	-	

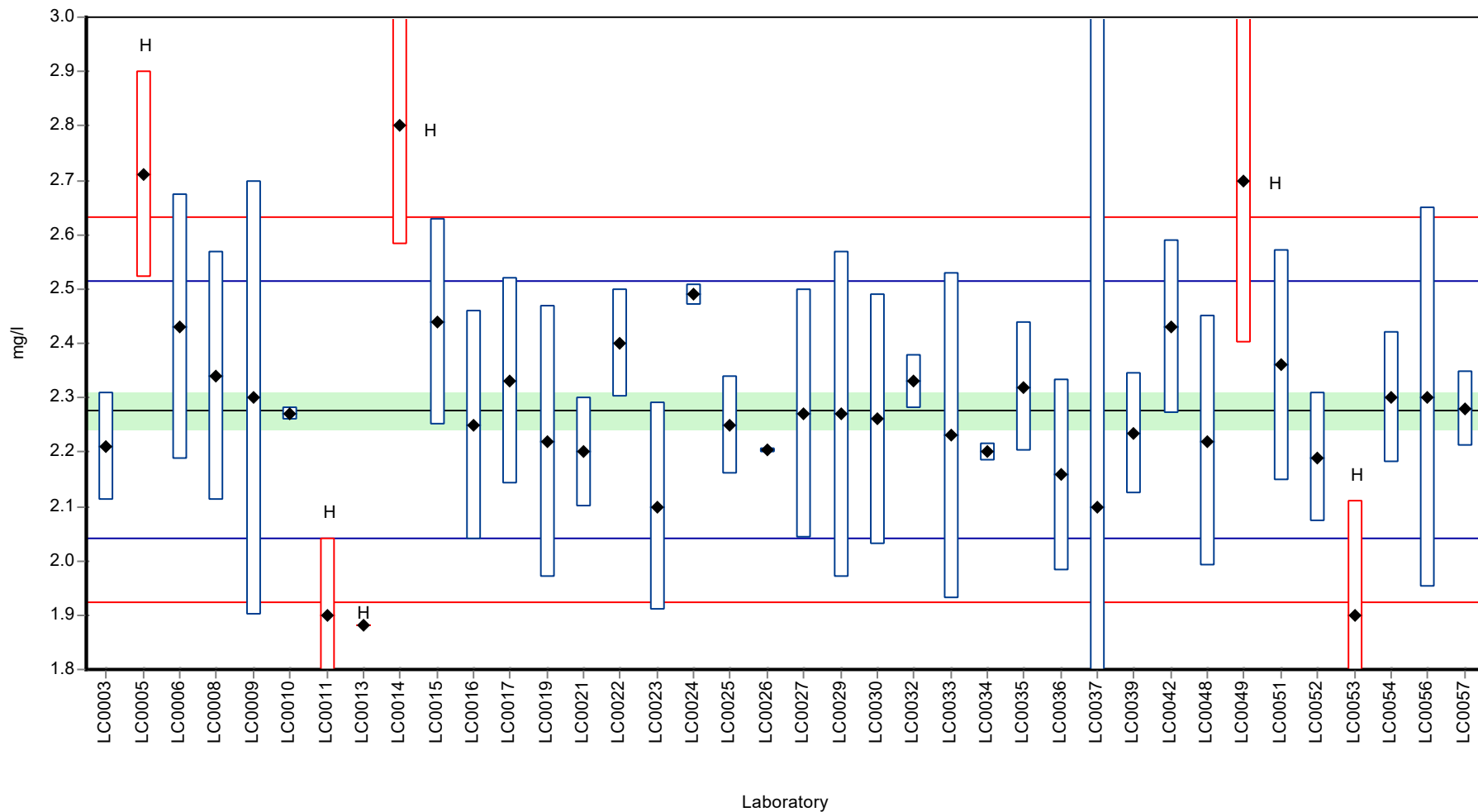
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	2.43	0.16	107	1.29	
LC0043	-	-	-	-	
LC0044	-	-	-	-	
LC0045	-	-	-	-	
LC0046	-	-	-	-	
LC0047	-	-	-	-	
LC0048	2.22	0.23	97.5	-0.49	
LC0049	2.7	0.3	119	3.57	H
LC0050	-	-	-	-	
LC0051	2.36	0.212	104	0.69	
LC0052	2.19	0.12	96.2	-0.74	
LC0053	1.9	0.21	83.4	-3.19	H
LC0054	2.3	0.12	101	0.19	
LC0055	-	-	-	-	
LC0056	2.3	0.35	101	0.19	
LC0057	2.28	0.07	100	0.02	

Characteristics of parameter

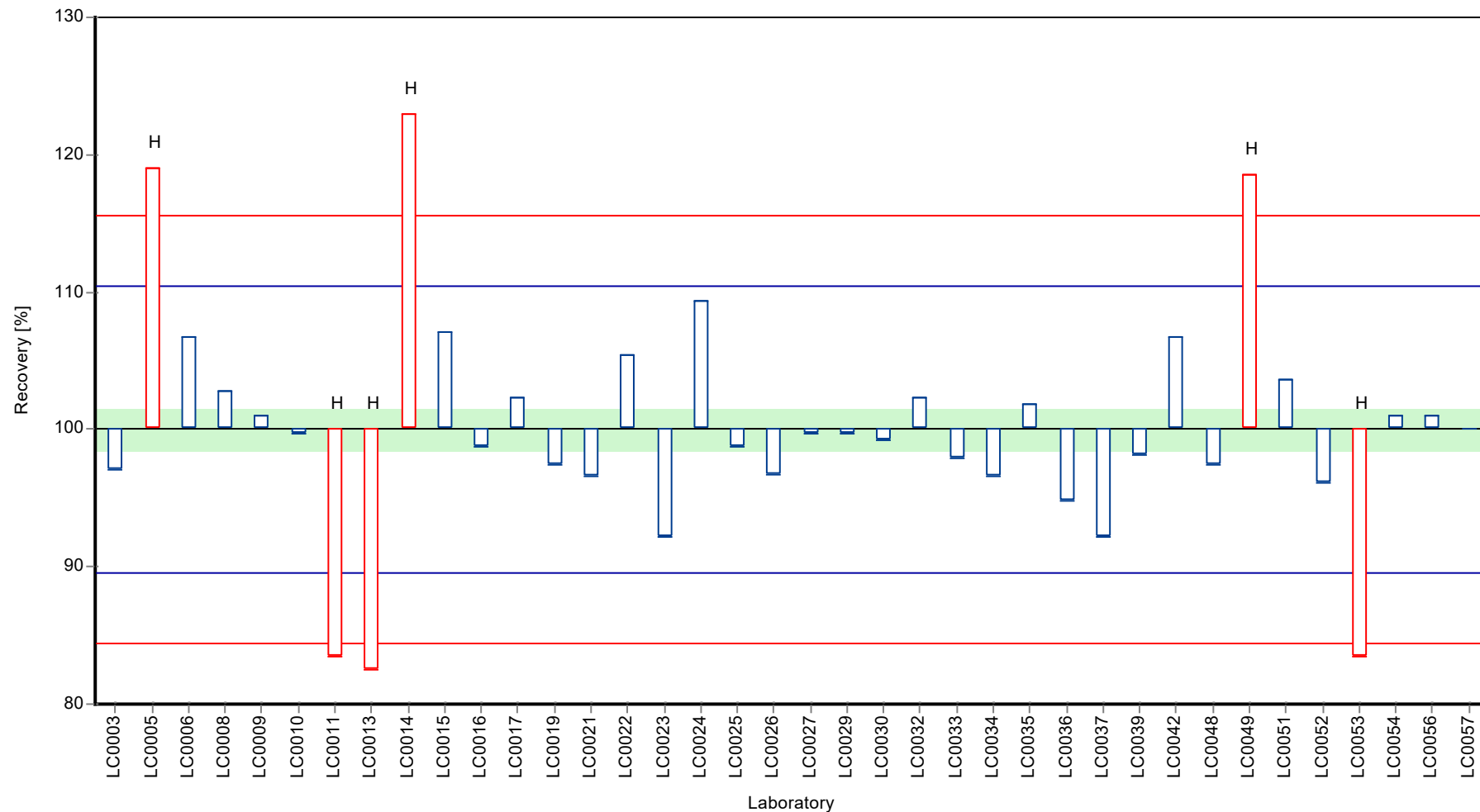
	all results	without outliers	Unit
Mean ± CI (99%)	2.28 ± 0.0931	2.28 ± 0.0497	mg/l
Minimum	1.88	2.1	mg/l
Maximum	2.8	2.49	mg/l
Standard deviation	0.191	0.0938	mg/l
rel. standard deviation	8.37	4.12	%
n	38	32	-

Graphical presentation of results

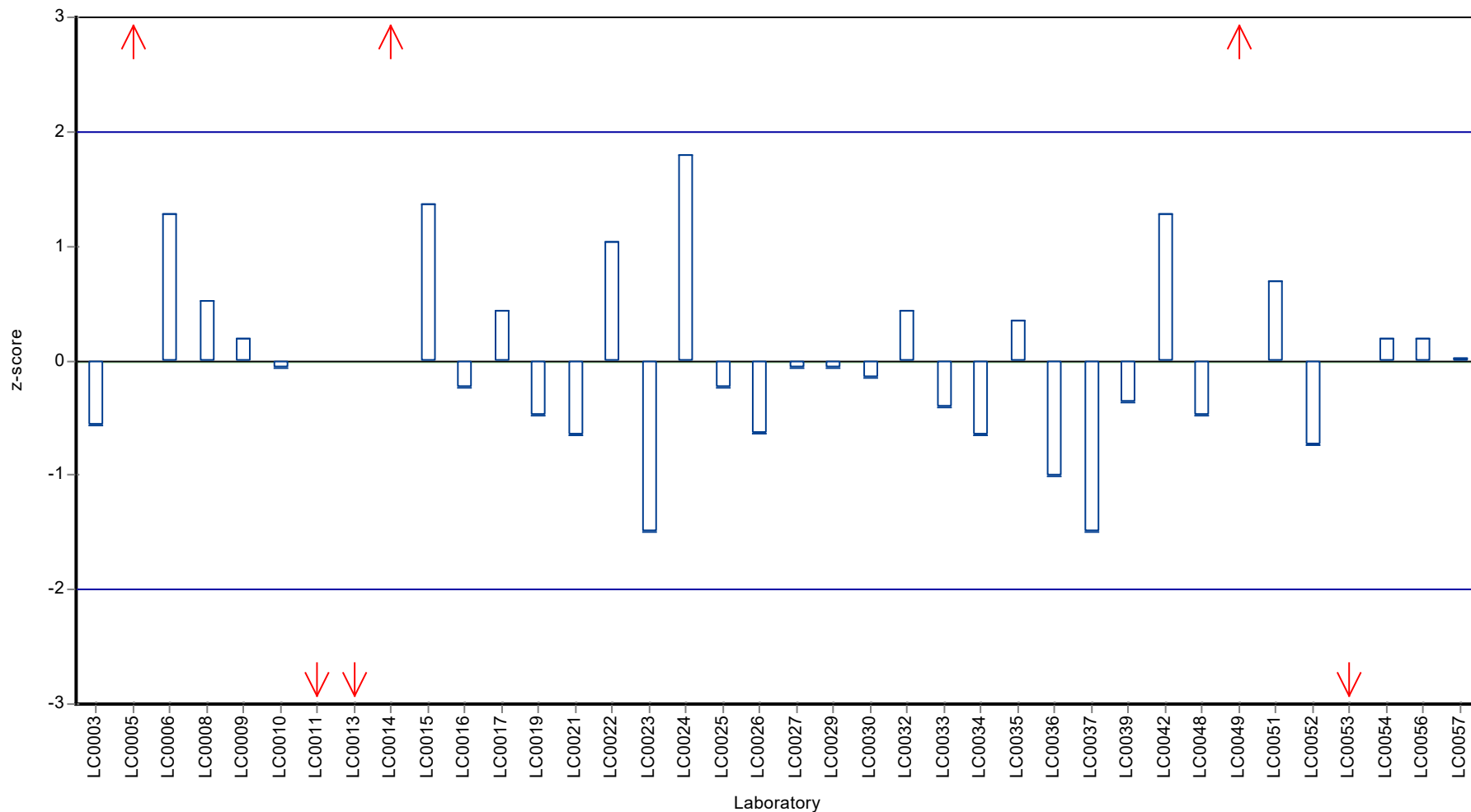
Results



Recovery rate



Z-score



Parameter oriented report

N150 B

Potassium

Unit	mg/l
Assigned value ± U (k=2)	1.24 ± 0.0282
Criterion	0.0644 (5.2 %)
Minimum - Maximum	1.04 - 1.39
Control test value ± U (k=2)	1.22 ± 0.0488

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	1.15	0.06	92.8	-1.38	
LC0004	-	-	-	-	
LC0005	1.34	0.096	108	1.56	
LC0006	1.35	0.135	109	1.72	
LC0007	-	-	-	-	
LC0008	1.31	0.13	106	1.1	
LC0009	1.2	0.2	96.8	-0.61	
LC0010	1.27	0.015	102	0.48	
LC0011	-	-	-	-	
LC0012	-	-	-	-	
LC0013	0.92	-	74.2	-4.95	H
LC0014	1.3	0.1	105	0.94	
LC0015	1.33	0.105	107	1.41	
LC0016	1.213	0.11	97.9	-0.41	
LC0017	1.27	0.1	102	0.48	
LC0018	-	-	-	-	
LC0019	1.2	0.13	96.8	-0.61	
LC0020	-	-	-	-	
LC0021	1.2	0.04	96.8	-0.61	
LC0022	1.3	0.1	105	0.94	
LC0023	1.2	0.12	96.8	-0.61	
LC0024	1.39	0.02	112	2.34	
LC0025	1.32	0.09	107	1.25	
LC0026	1.35	0.029	109	1.72	
LC0027	1.24	0.12	100	0.01	
LC0028	-	-	-	-	
LC0029	1.23	0.2	99.3	-0.14	
LC0030	1.26	0.13	102	0.32	
LC0031	-	-	-	-	
LC0032	1.35	0.02	109	1.72	
LC0033	1.19	0.2	96	-0.76	
LC0034	1.19	0.018	96	-0.76	
LC0035	1.1	0.056	88.8	-2.16	
LC0036	1.123	0.092	90.6	-1.8	
LC0037	1.15	0.55	92.8	-1.38	
LC0038	-	-	-	-	
LC0039	1.245	0.062	100	0.09	
LC0040	1.23	0.17	99.3	-0.14	
LC0041	-	-	-	-	

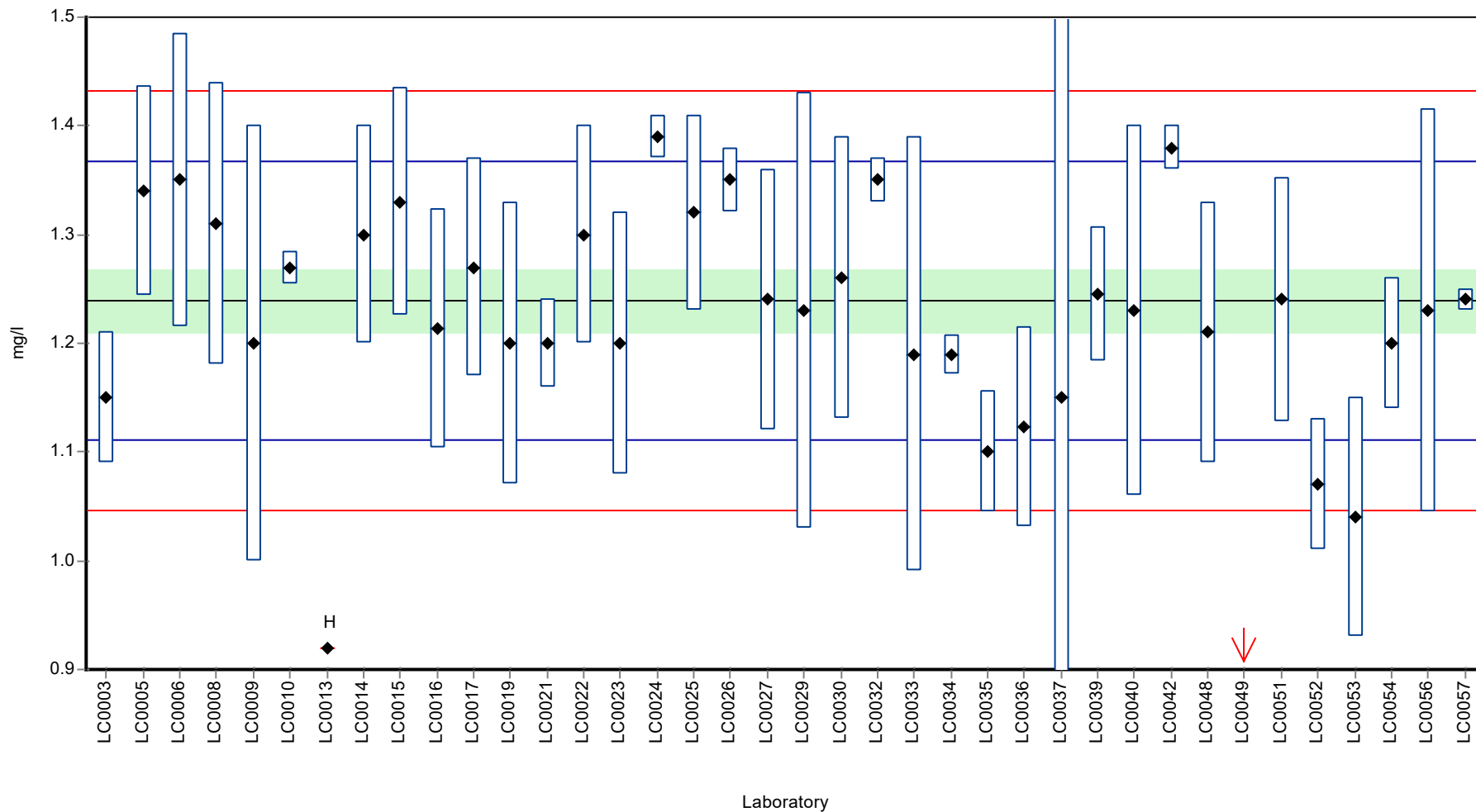
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	1.38	0.02	111	2.19	
LC0043	-	-	-	-	
LC0044	-	-	-	-	
LC0045	-	-	-	-	
LC0046	-	-	-	-	
LC0047	-	-	-	-	
LC0048	1.21	0.12	97.6	-0.45	
LC0049	0.05	0.01	4	-18.5	H
LC0050	-	-	-	-	
LC0051	1.24	0.112	100	0.01	
LC0052	1.07	0.06	86.3	-2.63	
LC0053	1.04	0.11	83.9	-3.09	
LC0054	1.2	0.06	96.8	-0.61	
LC0055	-	-	-	-	
LC0056	1.23	0.185	99.3	-0.14	
LC0057	1.24	0.01	100	0.01	

Characteristics of parameter

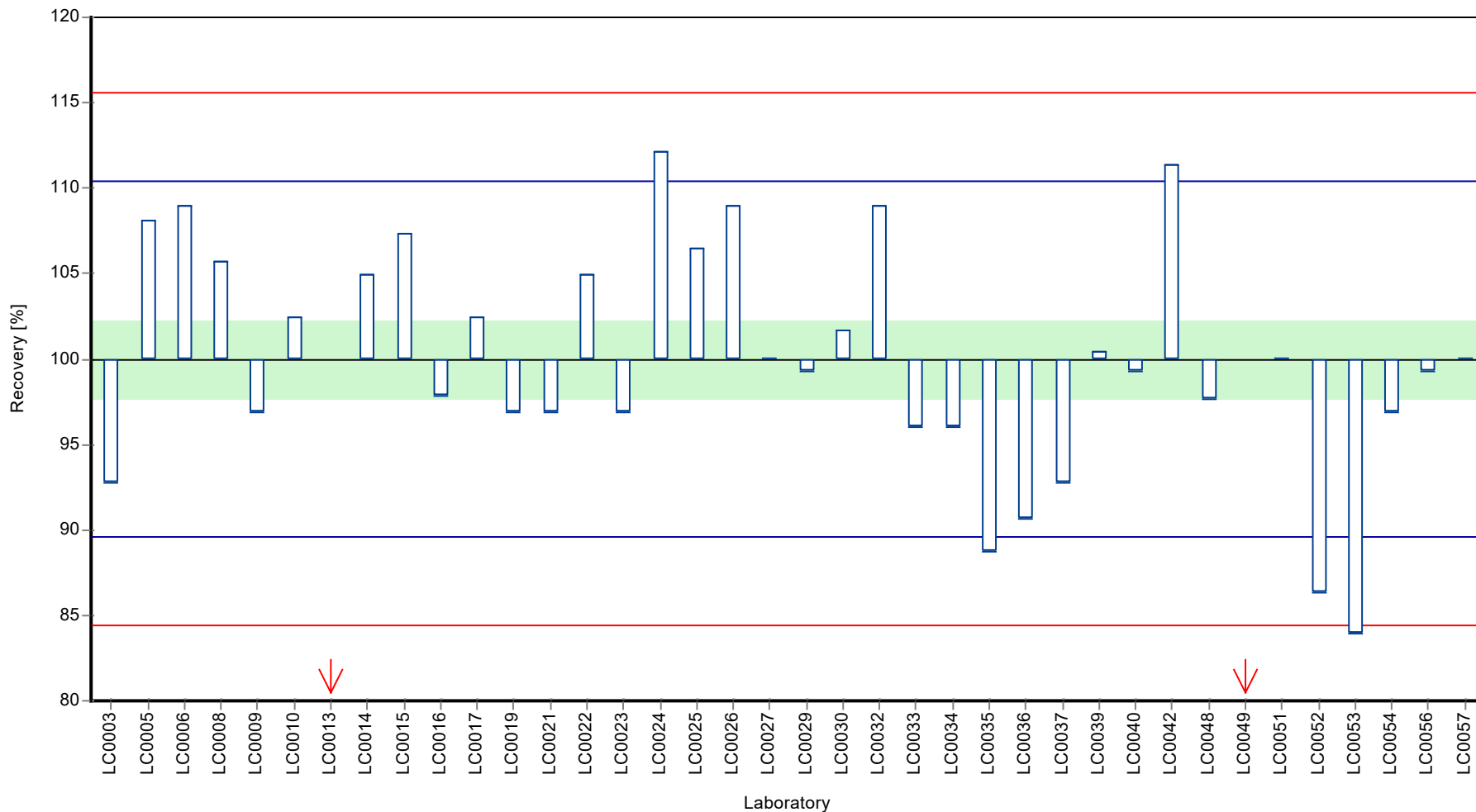
	all results	without outliers	Unit
Mean ± CI (99%)	1.2 ± 0.105	1.24 ± 0.0423	mg/l
Minimum	0.05	1.04	mg/l
Maximum	1.39	1.39	mg/l
Standard deviation	0.215	0.0846	mg/l
rel. standard deviation	17.9	6.83	%
n	38	36	-

Graphical presentation of results

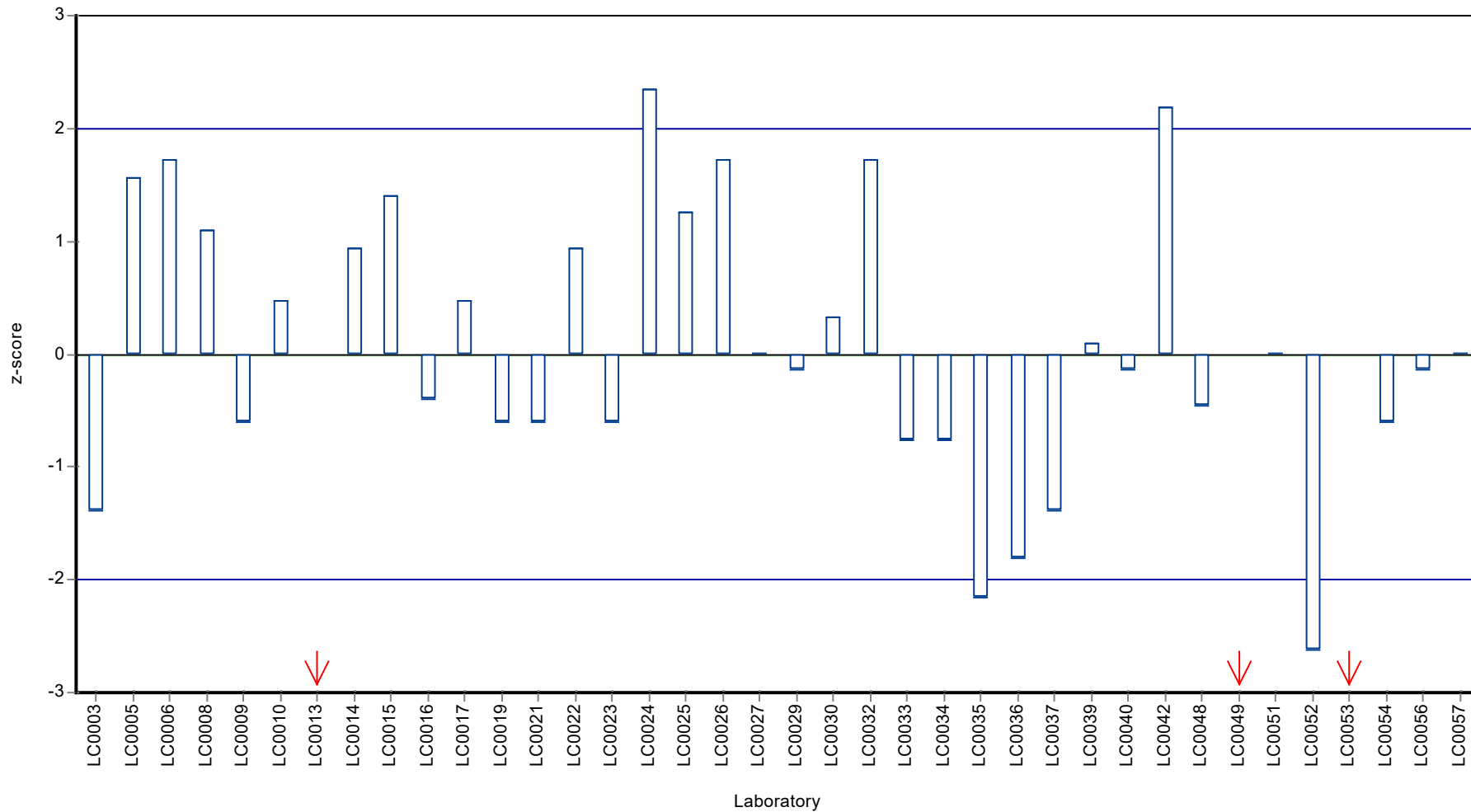
Results



Recovery rate



Z-score



Parameter oriented report

N150 A

Sodium

Unit	mg/l
Assigned value ± U (k=2)	17.7 ± 0.216
Criterion	0.602 (3.4 %)
Minimum - Maximum	16.2 - 19.1
Control test value ± U (k=2)	17.3 ± 0.694

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	17.86	0.9	101	0.25	
LC0004	-	-	-	-	
LC0005	17	1.2	96	-1.18	
LC0006	17.59	1.055	99.3	-0.2	
LC0007	-	-	-	-	
LC0008	18.2	1.82	103	0.81	
LC0009	17.9	2	101	0.31	
LC0010	18.5	0.616	104	1.31	
LC0011	15.3	1.2	86.4	-4	H
LC0012	-	-	-	-	
LC0013	19.97	-	113	3.75	H
LC0014	7.5	0.32	42.3	-17	H
LC0015	17.27	2.3	97.5	-0.73	
LC0016	17.285	1.6	97.6	-0.71	
LC0017	18.71	0.56	106	1.66	
LC0018	-	-	-	-	
LC0019	17.8	2	101	0.15	
LC0020	-	-	-	-	
LC0021	16.9	0.4	95.4	-1.35	
LC0022	18.3	0.9	103	0.98	
LC0023	17.3	1.4	97.7	-0.68	
LC0024	17.34	0.8	97.9	-0.62	
LC0025	18.6	1	105	1.48	
LC0026	16.238	0.11	91.7	-2.45	
LC0027	18.2	1.8	103	0.81	
LC0028	-	-	-	-	
LC0029	17.7	2	99.9	-0.02	
LC0030	17.8	1.8	101	0.15	
LC0031	-	-	-	-	
LC0032	17.7	0.1	99.9	-0.02	
LC0033	17.7	2.7	99.9	-0.02	
LC0034	17.8	0.629	101	0.15	
LC0035	11.6	0.435	65.5	-10.1	H
LC0036	16.964	2.355	95.8	-1.24	
LC0037	16.4	3	92.6	-2.18	
LC0038	-	-	-	-	
LC0039	17.67	0.8817	99.8	-0.07	
LC0040	-	-	-	-	
LC0041	-	-	-	-	

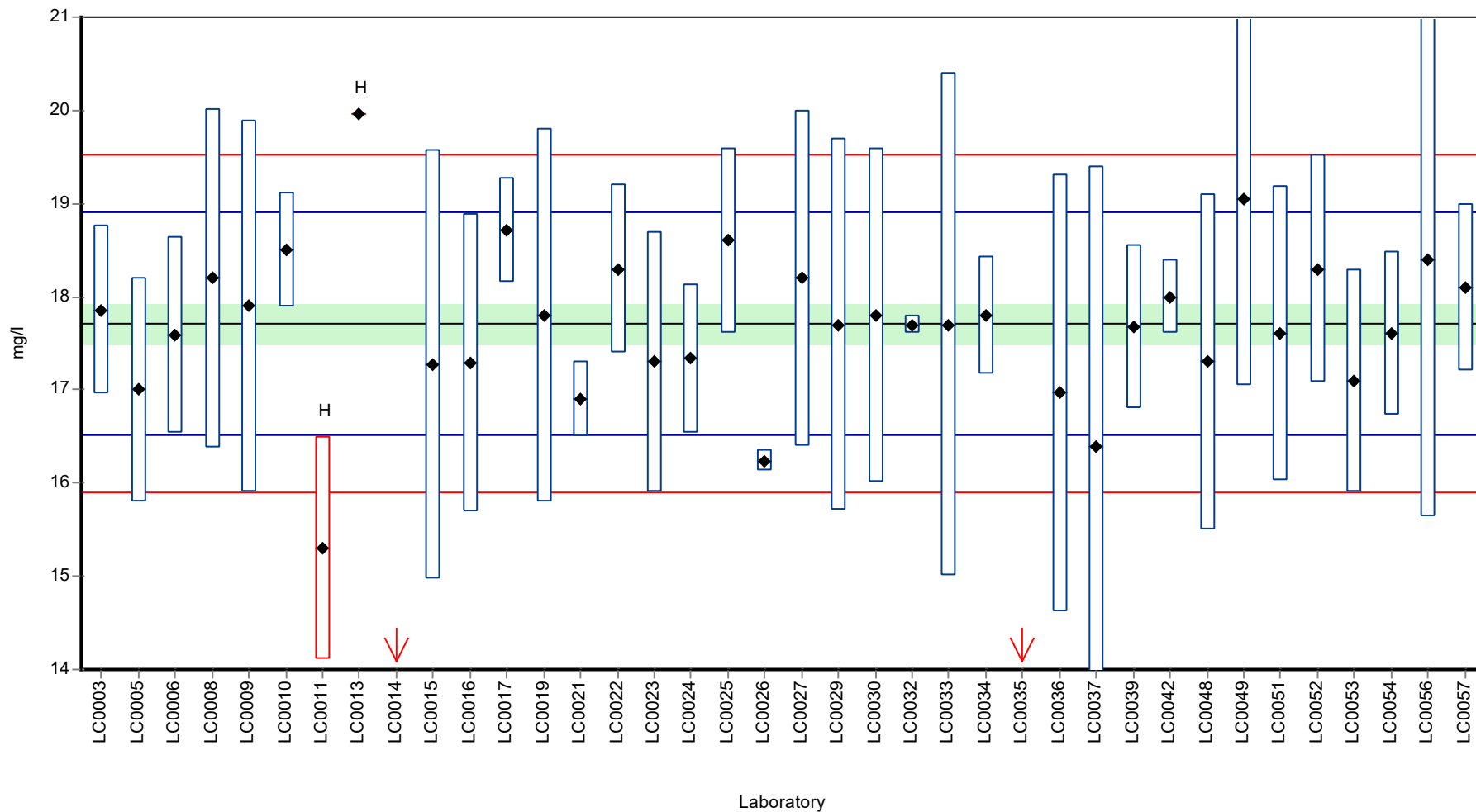
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	18	0.4	102	0.48	
LC0043	-	-	-	-	
LC0044	-	-	-	-	
LC0045	-	-	-	-	
LC0046	-	-	-	-	
LC0047	-	-	-	-	
LC0048	17.3	1.8	97.7	-0.68	
LC0049	19.05	2	108	2.22	
LC0050	-	-	-	-	
LC0051	17.6	1.58	99.4	-0.18	
LC0052	18.3	1.22	103	0.98	
LC0053	17.1	1.2	96.5	-1.01	
LC0054	17.6	0.88	99.4	-0.18	
LC0055	-	-	-	-	
LC0056	18.4	2.76	104	1.14	
LC0057	18.1	0.9	102	0.65	

Characteristics of parameter

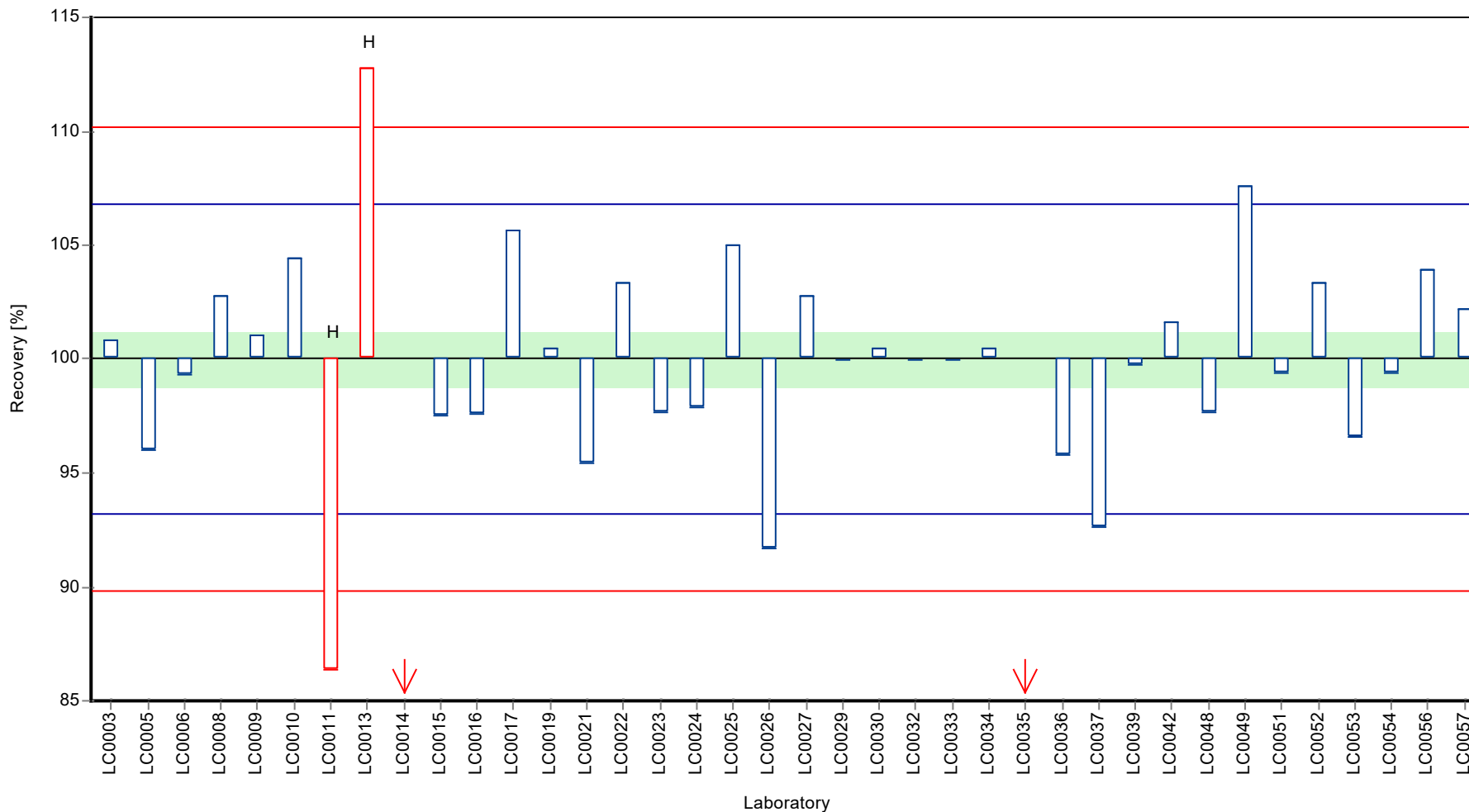
	all results	without outliers	Unit
Mean ± CI (99%)	17.3 ± 1.01	17.7 ± 0.323	mg/l
Minimum	7.5	16.2	mg/l
Maximum	20	19.1	mg/l
Standard deviation	2.07	0.629	mg/l
rel. standard deviation	12	3.55	%
n	38	34	-

Graphical presentation of results

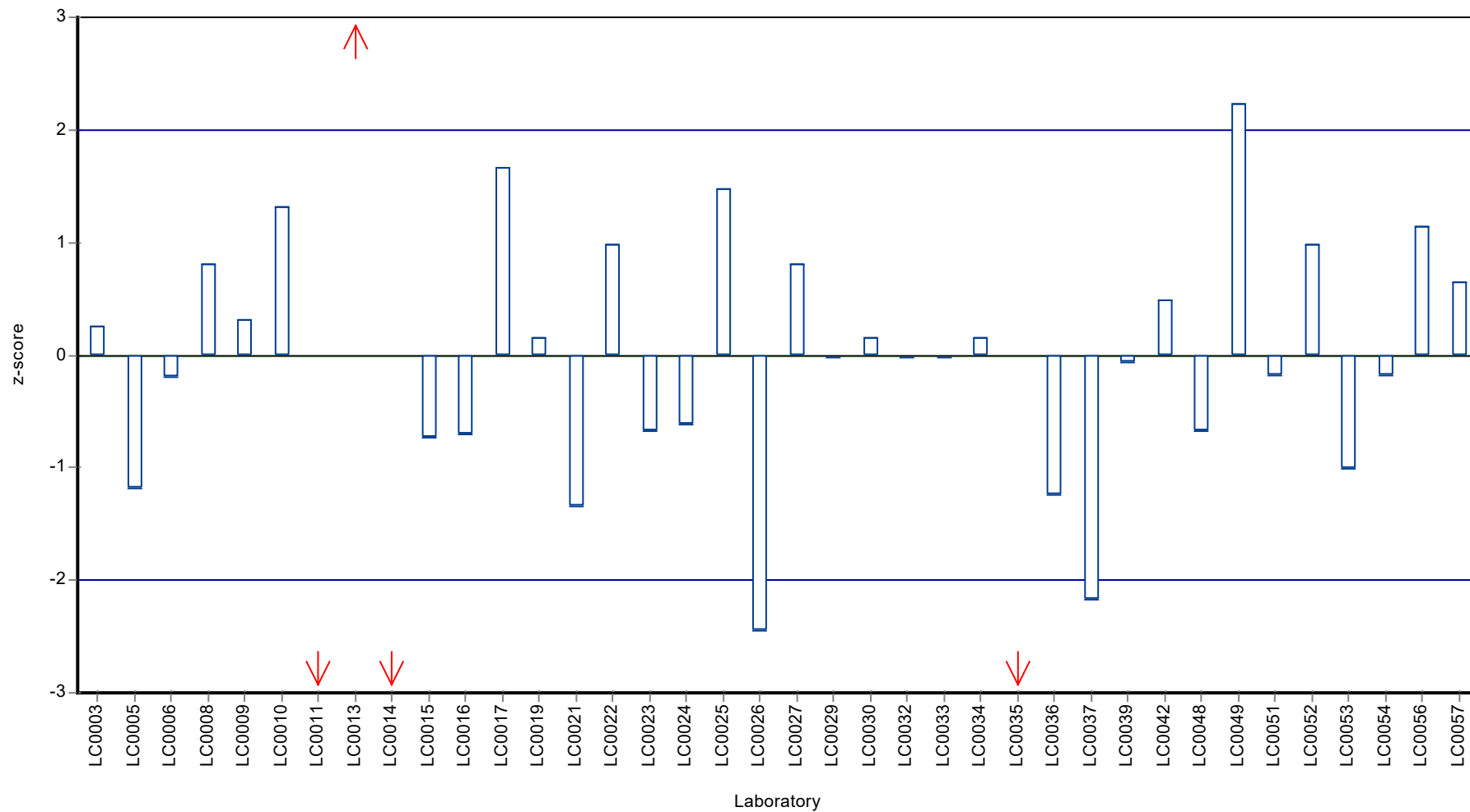
Results



Recovery rate



Z-score



Parameter oriented report

N150 B

Sodium

Unit	mg/l
Assigned value ± U (k=2)	6.39 ± 0.087
Criterion	0.217 (3.4 %)
Minimum - Maximum	5.82 - 6.8
Control test value ± U (k=2)	6.07 ± 0.243

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	6.6	0.35	103	0.96	
LC0004	-	-	-	-	
LC0005	6.41	0.45	100	0.08	
LC0006	6.2	0.372	97	-0.89	
LC0007	-	-	-	-	
LC0008	6.49	0.65	102	0.45	
LC0009	6.4	0.7	100	0.04	
LC0010	6.73	0.248	105	1.55	
LC0011	-	-	-	-	
LC0012	-	-	-	-	
LC0013	6.54	-	102	0.68	
LC0014	3.4	0.15	53.2	-13.8	H
LC0015	6.4	0.87	100	0.04	
LC0016	6.447	0.62	101	0.25	
LC0017	6.8	0.2	106	1.88	
LC0018	-	-	-	-	
LC0019	6.38	0.74	99.8	-0.06	
LC0020	-	-	-	-	
LC0021	6.1	0.1	95.4	-1.34	
LC0022	6.6	0.4	103	0.96	
LC0023	6.2	0.5	97	-0.89	
LC0024	6.13	0.8	95.9	-1.21	
LC0025	6.36	0.04	99.5	-0.15	
LC0026	6.309	0.024	98.7	-0.38	
LC0027	6.6	0.66	103	0.96	
LC0028	-	-	-	-	
LC0029	6.47	0.7	101	0.36	
LC0030	6.32	0.63	98.9	-0.33	
LC0031	-	-	-	-	
LC0032	6.29	0.1	98.4	-0.47	
LC0033	6.36	1	99.5	-0.15	
LC0034	5.82	0.711	91	-2.63	
LC0035	5.26	0.198	82.3	-5.21	H
LC0036	6.493	0.901	102	0.46	
LC0037	5.5	1	86	-4.11	H
LC0038	-	-	-	-	
LC0039	6.367	0.3177	99.6	-0.12	
LC0040	5.98	0.83	93.6	-1.9	
LC0041	-	-	-	-	

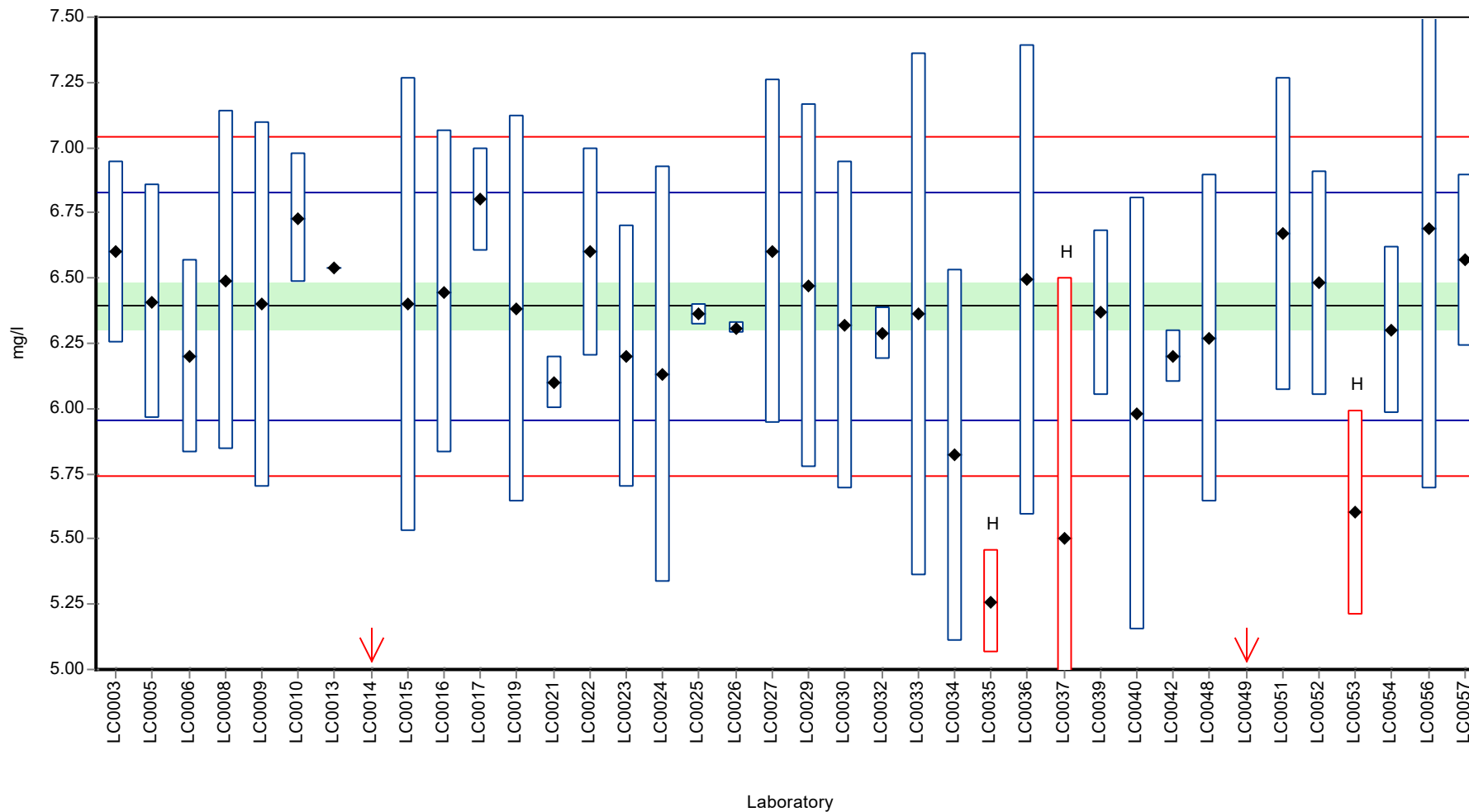
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	6.2	0.1	97	-0.89	
LC0043	-	-	-	-	
LC0044	-	-	-	-	
LC0045	-	-	-	-	
LC0046	-	-	-	-	
LC0047	-	-	-	-	
LC0048	6.27	0.63	98.1	-0.56	
LC0049	1.14	0.1	17.8	-24.2	H
LC0050	-	-	-	-	
LC0051	6.67	0.6	104	1.28	
LC0052	6.48	0.43	101	0.4	
LC0053	5.6	0.39	87.6	-3.65	H
LC0054	6.3	0.32	98.6	-0.42	
LC0055	-	-	-	-	
LC0056	6.69	1	105	1.37	
LC0057	6.57	0.33	103	0.82	

Characteristics of parameter

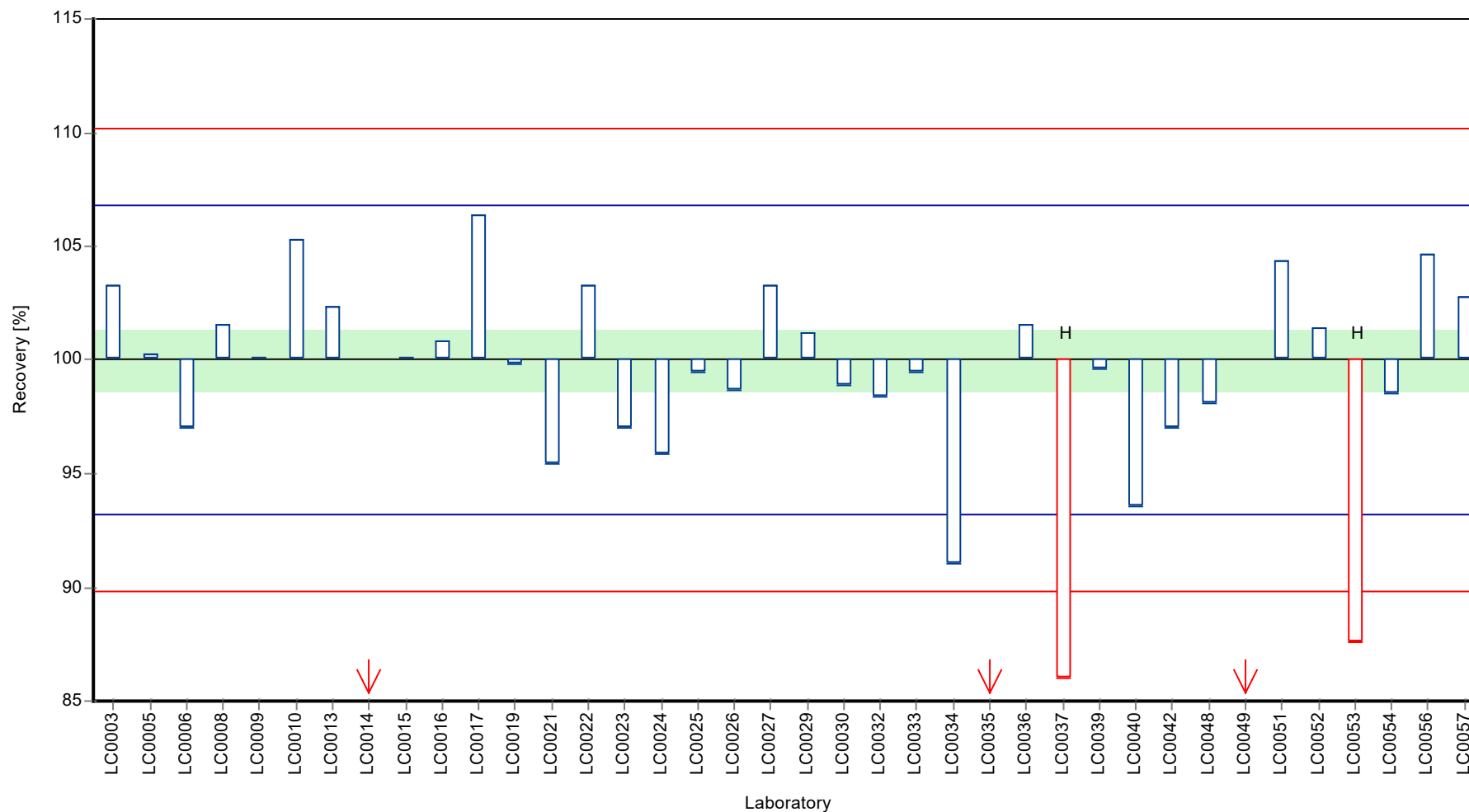
	all results	without outliers	Unit
Mean ± CI (99%)	6.1 ± 0.49	6.39 ± 0.112	mg/l
Minimum	1.14	5.82	mg/l
Maximum	6.8	6.8	mg/l
Standard deviation	1.01	0.215	mg/l
rel. standard deviation	16.5	3.36	%
n	38	33	-

Graphical presentation of results

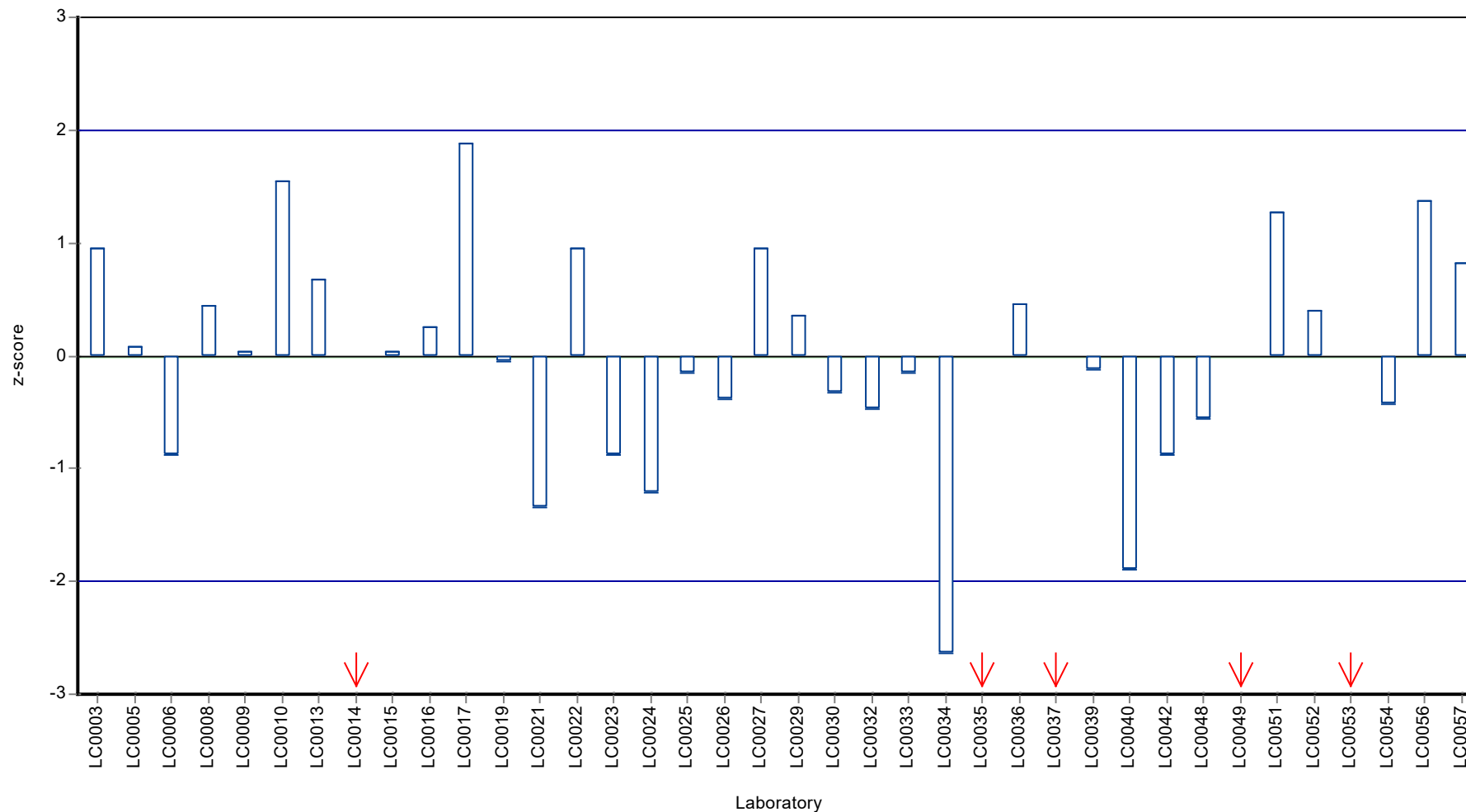
Results



Recovery rate



Z-score



Parameter oriented report

N150 A

Sulfate (as SO₄)

Unit	mg/l
Assigned value ± U (k=2)	31.2 ± 0.278
Criterion	1.03 (3.3 %)
Minimum - Maximum	29.9 - 33.1
Control test value ± U (k=2)	30.9 ± 1.54

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	30.5	1.5	97.8	-0.68	
LC0004	-	-	-	-	
LC0005	31.7	1	102	0.49	
LC0006	33.13	1.988	106	1.88	
LC0007	-	-	-	-	
LC0008	31.5	4.73	101	0.29	
LC0009	31.1	1.9	99.7	-0.09	
LC0010	30.5	0.032	97.8	-0.68	
LC0011	30	0.83	96.2	-1.16	
LC0012	-	-	-	-	
LC0013	30.1	-	96.5	-1.07	
LC0014	18	0.97	57.7	-12.8	H
LC0015	35.04	3.6	112	3.73	H
LC0016	30.972	2.95	99.3	-0.22	
LC0017	31.06	1.86	99.6	-0.13	
LC0018	-	-	-	-	
LC0019	31.3	4.2	100	0.1	
LC0020	39.6	5	127	8.16	H
LC0021	31.8	0.8	102	0.58	
LC0022	31.2	3	100	0.00	
LC0023	31.7	1.6	102	0.49	
LC0024	31.11	2	99.7	-0.08	
LC0025	25.4	1.5	81.4	-5.63	H
LC0026	31.149	0.07	99.8	-0.05	
LC0027	29.9	3	95.8	-1.26	
LC0028	33	0.98	106	1.75	
LC0029	31	4	99.4	-0.19	
LC0030	30.9	3.1	99	-0.29	
LC0031	-	-	-	-	
LC0032	31.4	0.2	101	0.2	
LC0033	31.7	2	102	0.49	
LC0034	31.2	0.35	100	0.00	
LC0035	31.8	2.18	102	0.58	
LC0036	34.562	4.316	111	3.27	H
LC0037	-	-	-	-	
LC0038	-	-	-	-	
LC0039	31.3	2.9	100	0.1	
LC0040	-	-	-	-	
LC0041	31.72	2.68	102	0.51	

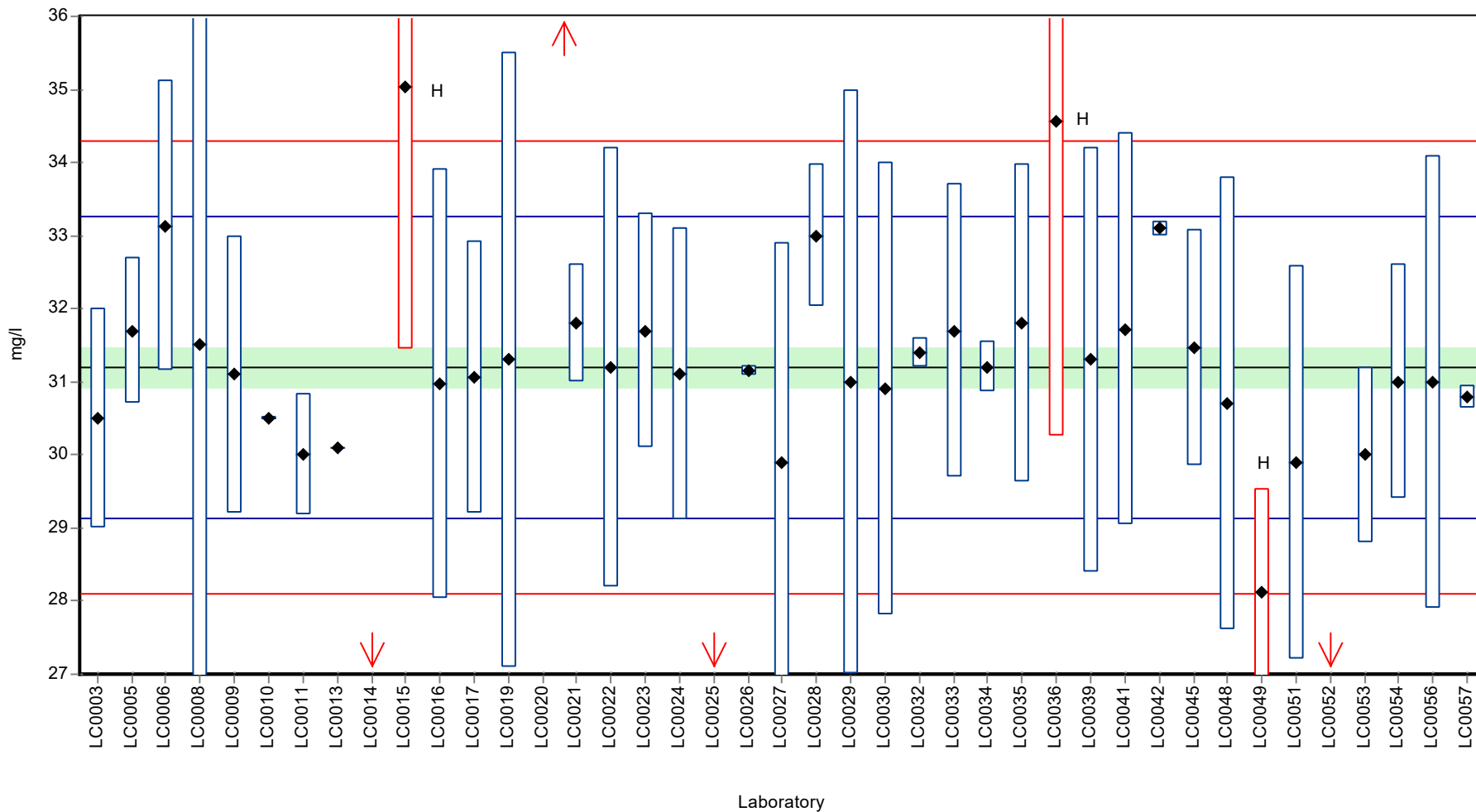
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	33.1	0.1	106	1.85	
LC0043	-	-	-	-	
LC0044	-	-	-	-	
LC0045	31.47	1.611	101	0.27	
LC0046	-	-	-	-	
LC0047	-	-	-	-	
LC0048	30.7	3.1	98.4	-0.48	
LC0049	28.13	1.4	90.2	-2.98	H
LC0050	-	-	-	-	
LC0051	29.9	2.69	95.8	-1.26	
LC0052	7.4	0.21	23.7	-23.1	H
LC0053	30	1.2	96.2	-1.16	
LC0054	31	1.6	99.4	-0.19	
LC0055	-	-	-	-	
LC0056	31	3.1	99.4	-0.19	
LC0057	30.8	0.16	98.7	-0.39	

Characteristics of parameter

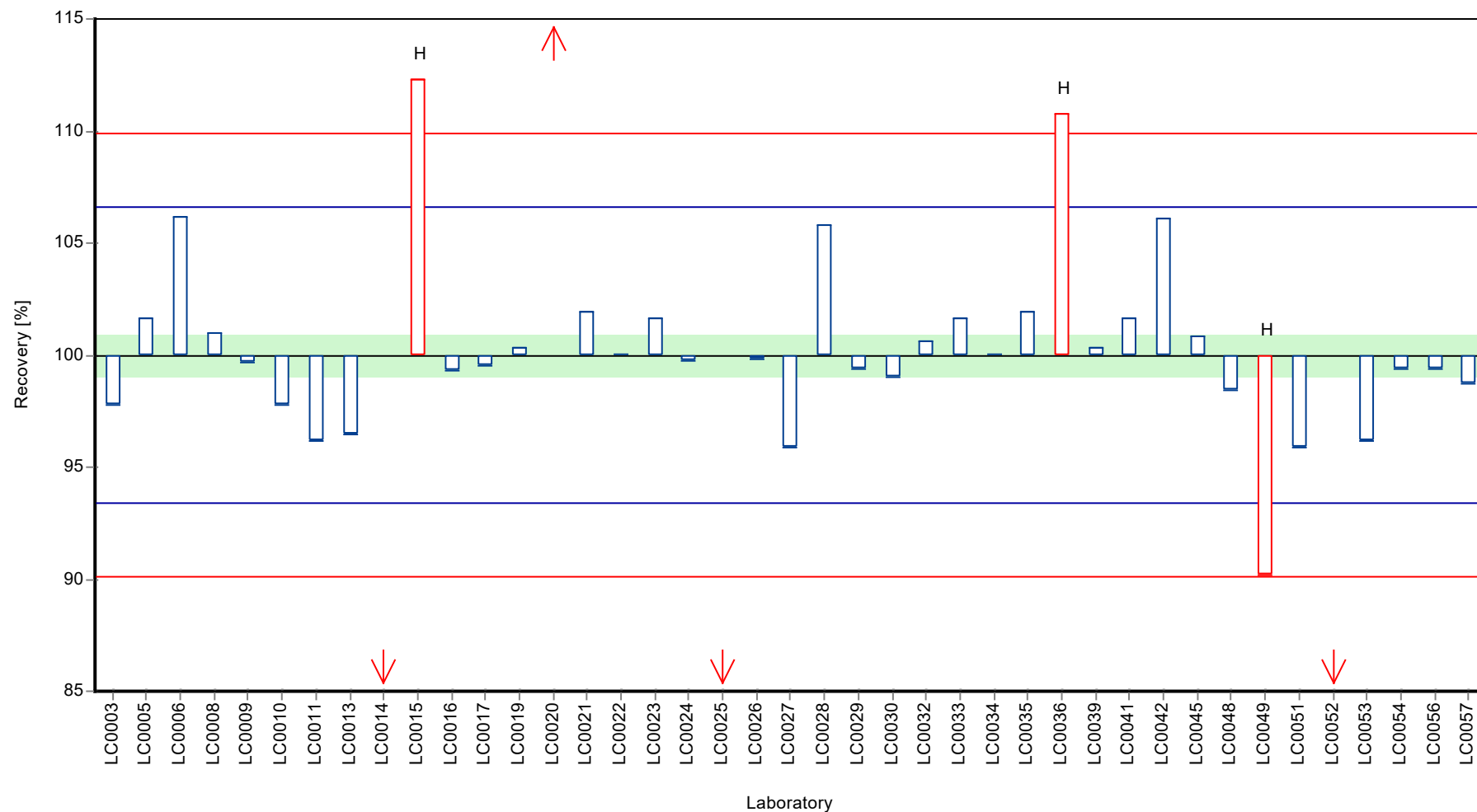
	all results	without outliers	Unit
Mean ± CI (99%)	30.5 ± 2.2	31.2 ± 0.417	mg/l
Minimum	7.4	29.9	mg/l
Maximum	39.6	33.1	mg/l
Standard deviation	4.69	0.811	mg/l
rel. standard deviation	15.4	2.6	%
n	41	34	-

Graphical presentation of results

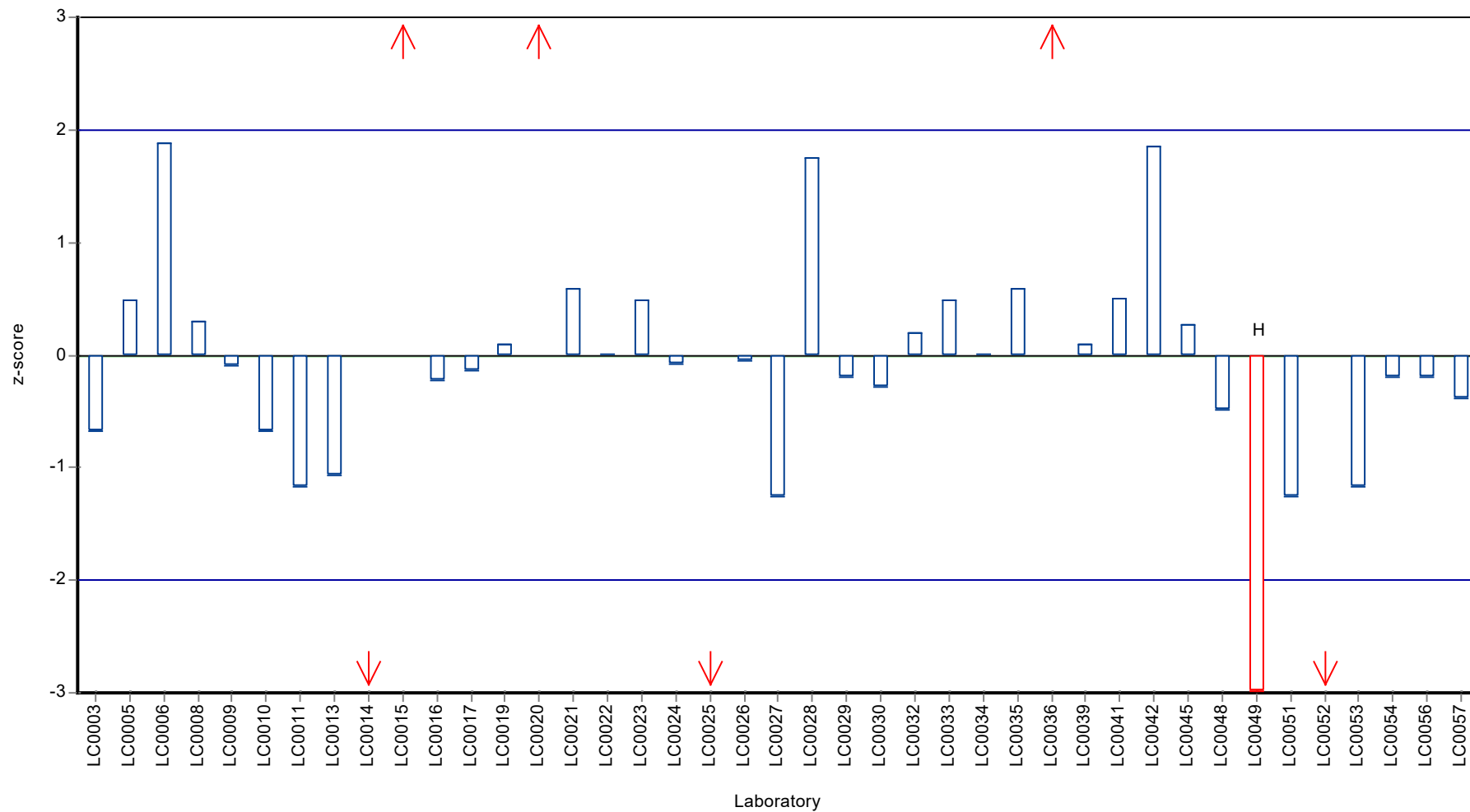
Results



Recovery rate



Z-score



Parameter oriented report

N150 B

Sulfate (as SO₄)

Unit	mg/l
Assigned value ± U (k=2)	18.3 ± 0.193
Criterion	0.603 (3.3 %)
Minimum - Maximum	17.1 - 19.7
Control test value ± U (k=2)	18.1 ± 0.907

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	17.4	0.85	95.2	-1.46	
LC0004	-	-	-	-	
LC0005	18.2	0.6	99.6	-0.13	
LC0006	19.74	1.184	108	2.42	
LC0007	-	-	-	-	
LC0008	18.4	2.76	101	0.2	
LC0009	18.3	1.1	100	0.04	
LC0010	18.2	0.115	99.6	-0.13	
LC0011	-	-	-	-	
LC0012	-	-	-	-	
LC0013	15.9	-	87	-3.94	H
LC0014	12	0.65	65.7	-10.4	H
LC0015	21.6	2.22	118	5.51	H
LC0016	18.767	1.82	103	0.81	
LC0017	18.29	1.1	100	0.02	
LC0018	-	-	-	-	
LC0019	18.2	2.5	99.6	-0.13	
LC0020	19	5	104	1.2	
LC0021	18.8	0.5	103	0.86	
LC0022	18.4	1.8	101	0.2	
LC0023	18.5	1	101	0.37	
LC0024	18.14	2	99.2	-0.23	
LC0025	12	0.7	65.7	-10.4	H
LC0026	18.363	0.138	100	0.14	
LC0027	17.5	0.18	95.7	-1.29	
LC0028	19	0.84	104	1.2	
LC0029	18	2	98.5	-0.46	
LC0030	18.3	1.8	100	0.04	
LC0031	-	-	-	-	
LC0032	18.2	0.15	99.6	-0.13	
LC0033	18.6	1.2	102	0.53	
LC0034	18.4	0.39	101	0.2	
LC0035	18.5	1.27	101	0.37	
LC0036	20.331	2.541	111	3.4	H
LC0037	-	-	-	-	
LC0038	-	-	-	-	
LC0039	18.7	1.7	102	0.7	
LC0040	16.01	1.6	87.6	-3.76	H
LC0041	17.13	1.45	93.7	-1.9	

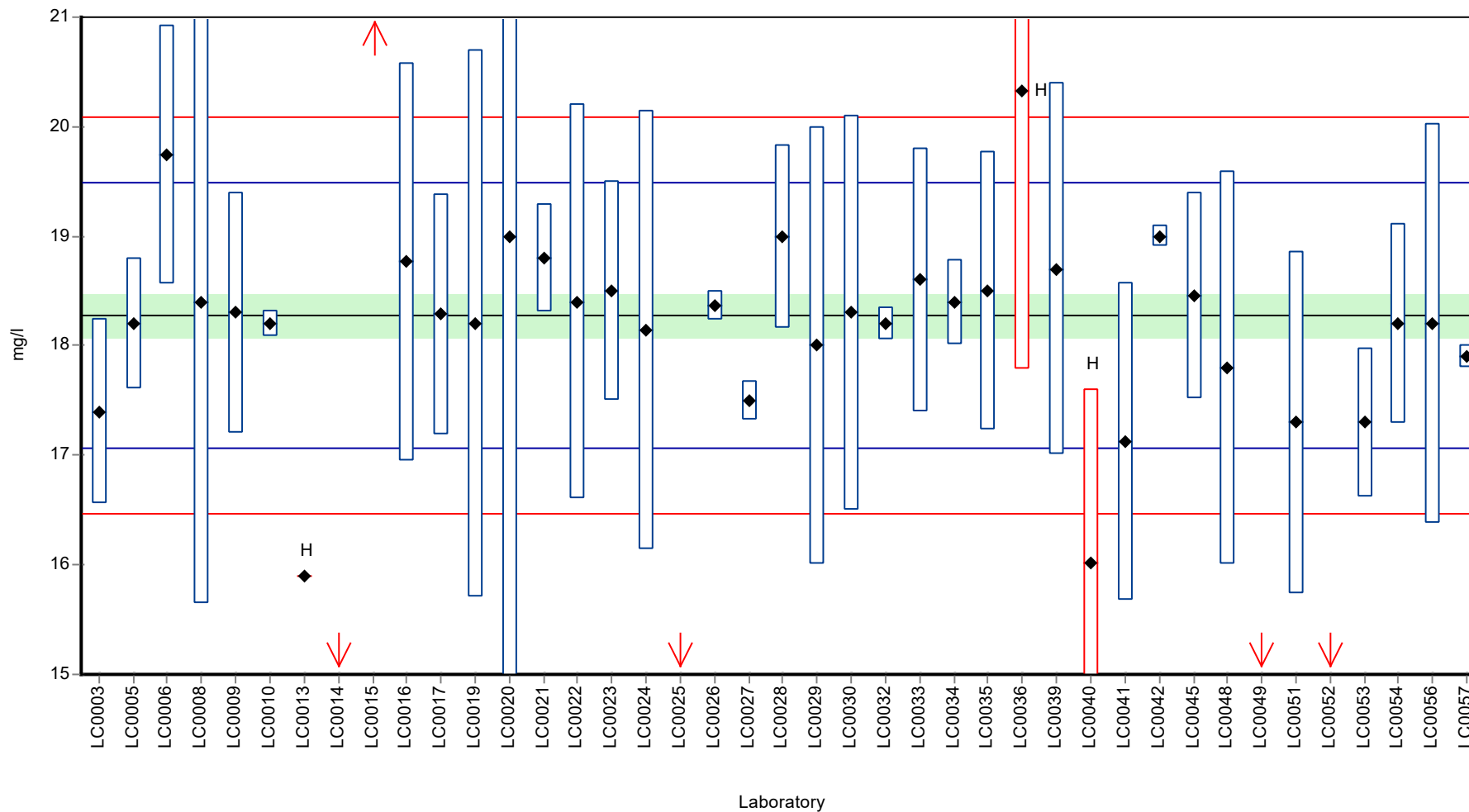
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	19	0.1	104	1.2	
LC0043	-	-	-	-	
LC0044	-	-	-	-	
LC0045	18.46	0.9451	101	0.3	
LC0046	-	-	-	-	
LC0047	-	-	-	-	
LC0048	17.8	1.8	97.4	-0.79	
LC0049	13	0.7	71.1	-8.75	H
LC0050	-	-	-	-	
LC0051	17.3	1.56	94.6	-1.62	
LC0052	12	0.35	65.7	-10.4	H
LC0053	17.3	0.68	94.6	-1.62	
LC0054	18.2	0.91	99.6	-0.13	
LC0055	-	-	-	-	
LC0056	18.2	1.82	99.6	-0.13	
LC0057	17.9	0.1	97.9	-0.63	

Characteristics of parameter

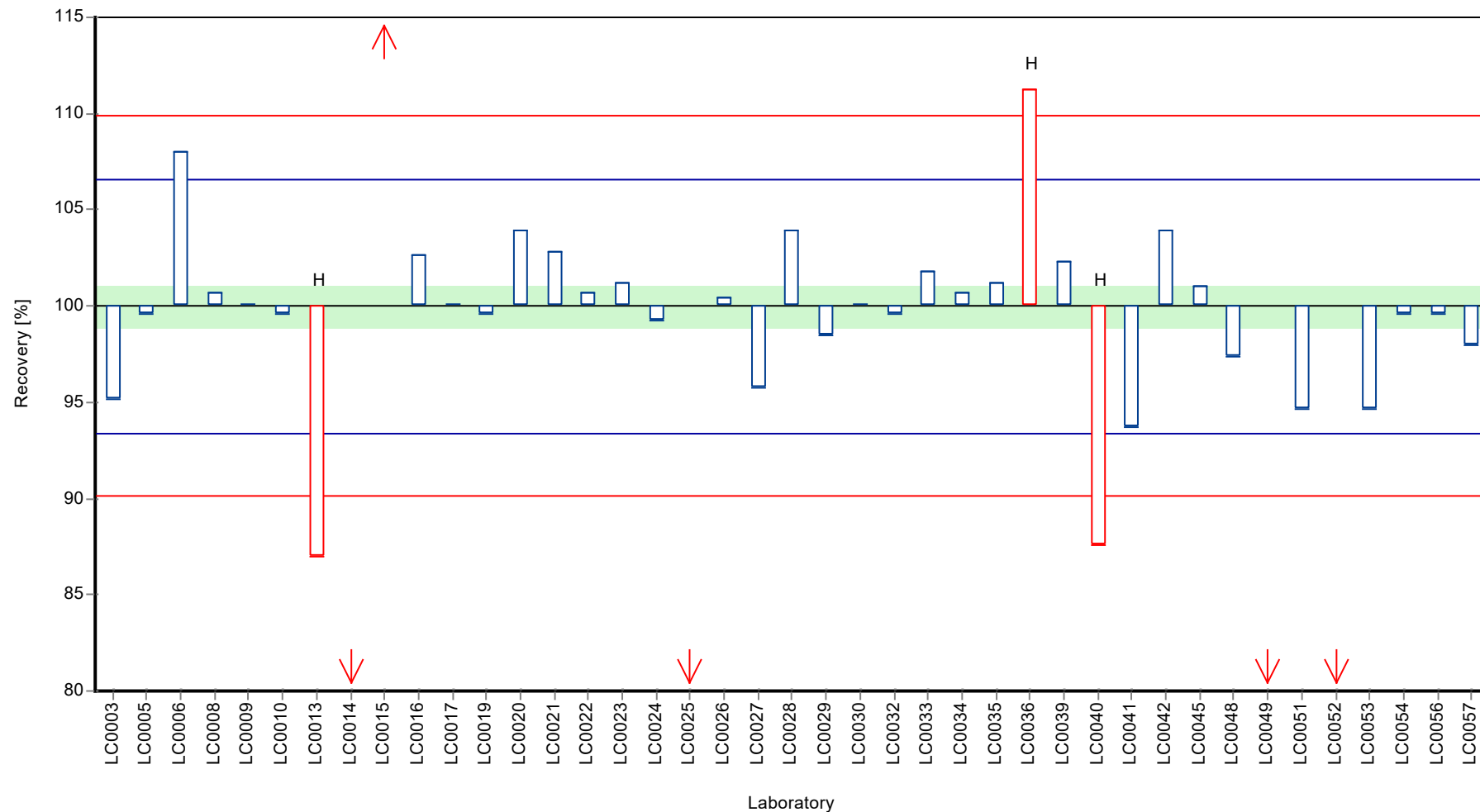
	all results	without outliers	Unit
Mean ± CI (99%)	17.7 ± 0.962	18.3 ± 0.289	mg/l
Minimum	12	17.1	mg/l
Maximum	21.6	19.7	mg/l
Standard deviation	2.05	0.553	mg/l
rel. standard deviation	11.6	3.03	%
n	41	33	-

Graphical presentation of results

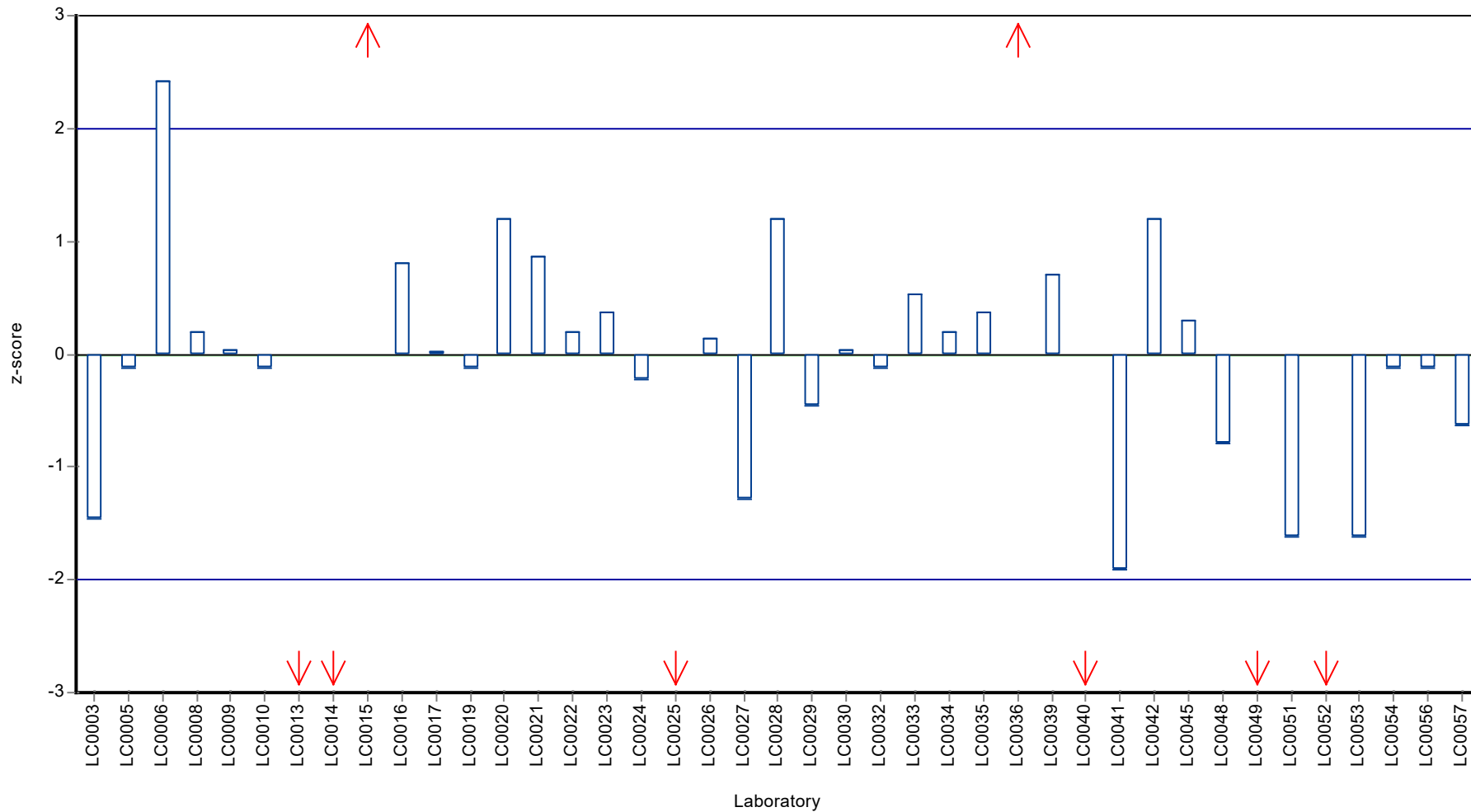
Results



Recovery rate



Z-score



Parameter oriented report

N150 A

Total-P (as PO4)

Unit	mg/l
Assigned value ± U (k=2)	1.48 ± 0.0285
Criterion	0.111 (7.5 %)
Minimum - Maximum	1.3 - 1.61
Control test value ± U (k=2)	1.61 ± 0.129

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	1.49	0.05	100	0.05	
LC0004	-	-	-	-	
LC0005	1.53	0.11	103	0.41	
LC0006	1.3031	0.1956	87.8	-1.62	
LC0007	-	-	-	-	
LC0008	1.54	0.31	104	0.5	
LC0009	1.6	0.4	108	1.04	
LC0010	1.38	0.007	93	-0.93	
LC0011	-	-	-	-	
LC0012	-	-	-	-	
LC0013	-	-	-	-	
LC0014	1.434	0.13	96.6	-0.45	
LC0015	-	-	-	-	
LC0016	1.499	0.15	101	0.14	
LC0017	1.448	0.188	97.6	-0.32	
LC0018	1.407	0.012	94.8	-0.69	
LC0019	1.45	0.27	97.7	-0.3	
LC0020	-	-	-	-	
LC0021	1.469	0.138	99	-0.13	
LC0022	1.49	0.21	100	0.05	
LC0023	1.51	0.15	102	0.23	
LC0024	1.411	0.005	95.1	-0.66	
LC0025	-	-	-	-	
LC0026	2.012	0.064	136	4.74	H
LC0027	0.951	0.095	64.1	-4.79	H
LC0028	-	-	-	-	
LC0029	1.55	0.2	104	0.59	
LC0030	1.5	0.15	101	0.14	
LC0031	1.488	0.164	100	0.04	
LC0032	1.85	0.04	125	3.29	H
LC0033	1.48	0.2	99.7	-0.04	
LC0034	1.315	0.0552	88.6	-1.52	
LC0035	1.53	0.24	103	0.41	
LC0036	-	-	-	-	
LC0037	-	-	-	-	
LC0038	-	-	-	-	
LC0039	1.54	0.25	104	0.5	
LC0040	-	-	-	-	
LC0041	-	-	-	-	

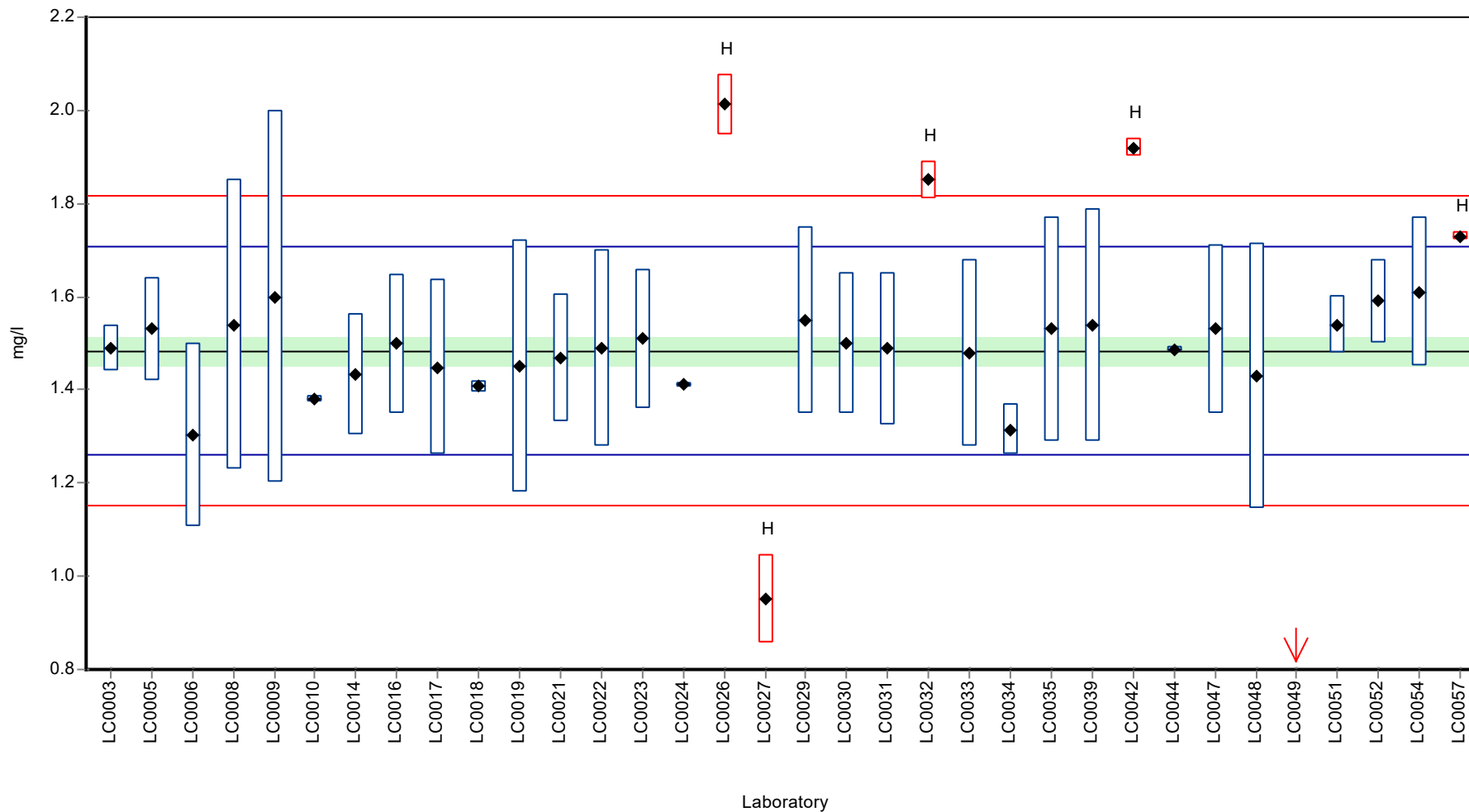
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	1.92	0.02	129	3.92	H
LC0043	-	-	-	-	
LC0044	1.487	0.006	100	0.03	
LC0045	-	-	-	-	
LC0046	-	-	-	-	
LC0047	1.53	0.18	103	0.41	
LC0048	1.429	0.286	96.3	-0.49	
LC0049	0.072	0.007	4.8	-12.7	H
LC0050	-	-	-	-	
LC0051	1.54	0.062	104	0.5	
LC0052	1.59	0.09	107	0.95	
LC0053	-	-	-	-	
LC0054	1.61	0.16	108	1.13	
LC0055	-	-	-	-	
LC0056	-	-	-	-	
LC0057	1.73	0.01	117	2.21	H

Characteristics of parameter

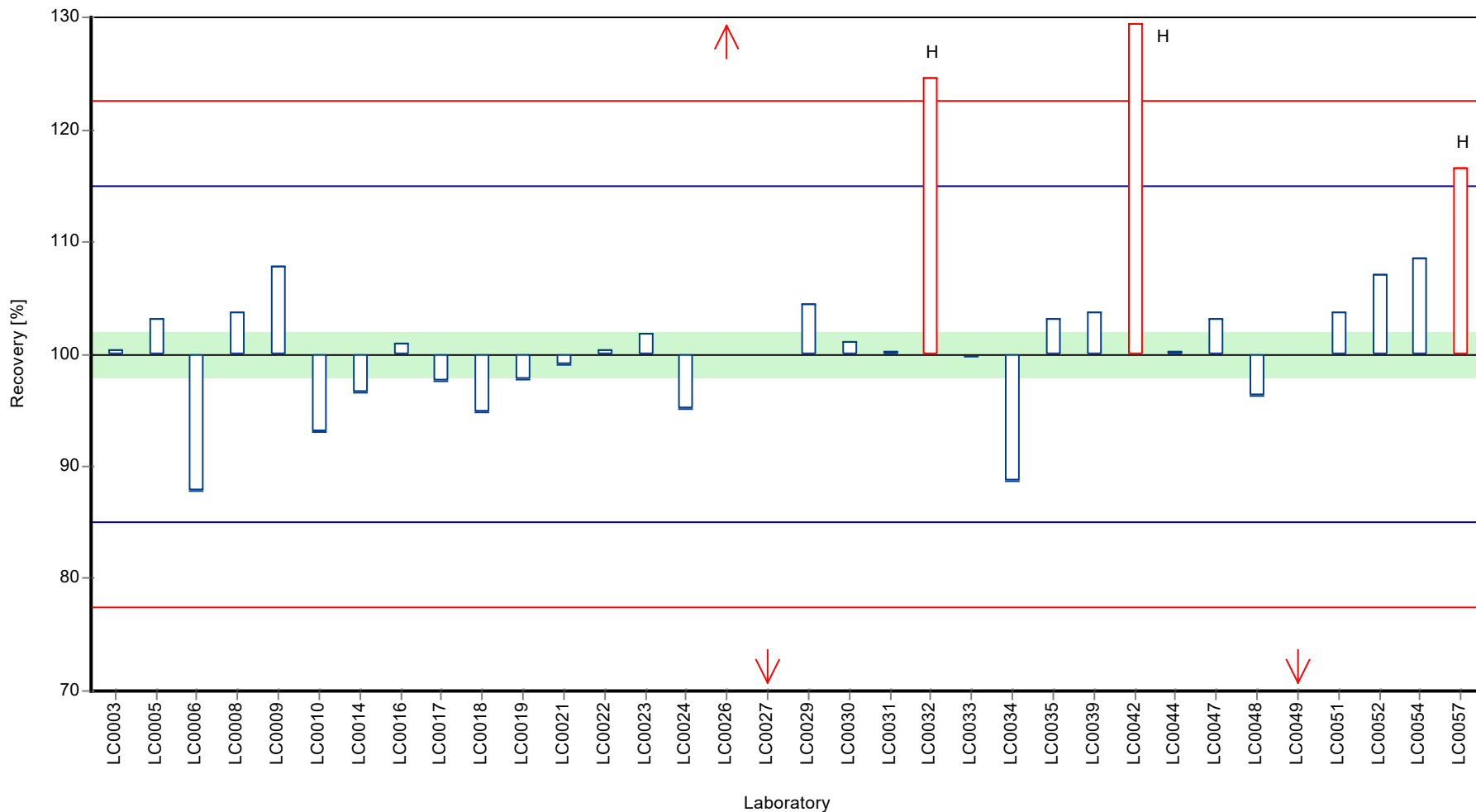
	all results	without outliers	Unit
Mean ± CI (99%)	1.47 ± 0.157	1.48 ± 0.0427	mg/l
Minimum	0.072	1.3	mg/l
Maximum	2.01	1.61	mg/l
Standard deviation	0.306	0.0754	mg/l
rel. standard deviation	20.8	5.08	%
n	34	28	-

Graphical presentation of results

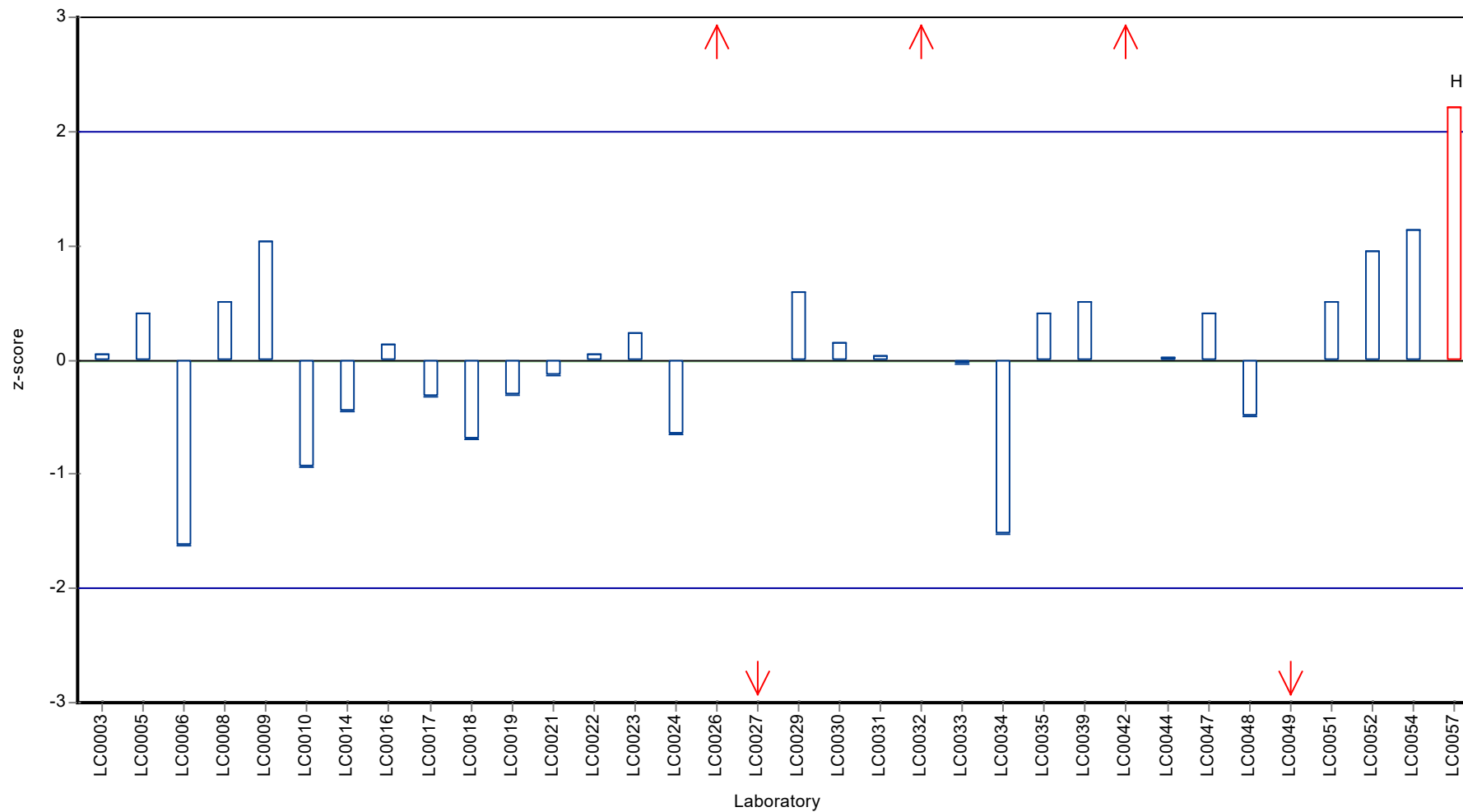
Results



Recovery rate



Z-score



Parameter oriented report

N150 B

Total-P (as PO4)

Unit	mg/l
Assigned value ± U (k=2)	0.7 ± 0.0182
Criterion	0.0525 (7.5 %)
Minimum - Maximum	0.595 - 0.82
Control test value ± U (k=2)	0.647 ± 0.0517

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	0.685	0.025	97.8	-0.29	
LC0004	-	-	-	-	
LC0005	0.706	0.049	101	0.11	
LC0006	0.6837	0.1027	97.7	-0.31	
LC0007	-	-	-	-	
LC0008	0.159	0.032	22.7	-10.3	H
LC0009	0.82	0.21	117	2.28	
LC0010	0.624	0.008	89.1	-1.45	
LC0011	-	-	-	-	
LC0012	-	-	-	-	
LC0013	-	-	-	-	
LC0014	0.51	0.05	72.8	-3.62	H
LC0015	-	-	-	-	
LC0016	0.704	0.07	101	0.07	
LC0017	0.68	0.088	97.1	-0.38	
LC0018	0.595	0.015	85	-2	
LC0019	0.67	0.12	95.7	-0.57	
LC0020	-	-	-	-	
LC0021	0.69	0.065	98.6	-0.19	
LC0022	0.678	0.095	96.8	-0.42	
LC0023	0.721	0.072	103	0.4	
LC0024	0.674	0.005	96.3	-0.5	
LC0025	-	-	-	-	
LC0026	0.889	0.004	127	3.6	H
LC0027	0.692	0.069	98.8	-0.15	
LC0028	-	-	-	-	
LC0029	0.75	0.08	107	0.95	
LC0030	0.656	0.066	93.7	-0.84	
LC0031	0.69	0.076	98.6	-0.19	
LC0032	0.79	0.02	113	1.71	
LC0033	0.689	0.07	98.4	-0.21	
LC0034	0.6529	0.0115	93.3	-0.9	
LC0035	0.736	0.116	105	0.68	
LC0036	< 1 (LOQ)	-	-	-	
LC0037	-	-	-	-	
LC0038	-	-	-	-	
LC0039	0.683	0.1	97.6	-0.33	
LC0040	-	-	-	-	
LC0041	-	-	-	-	

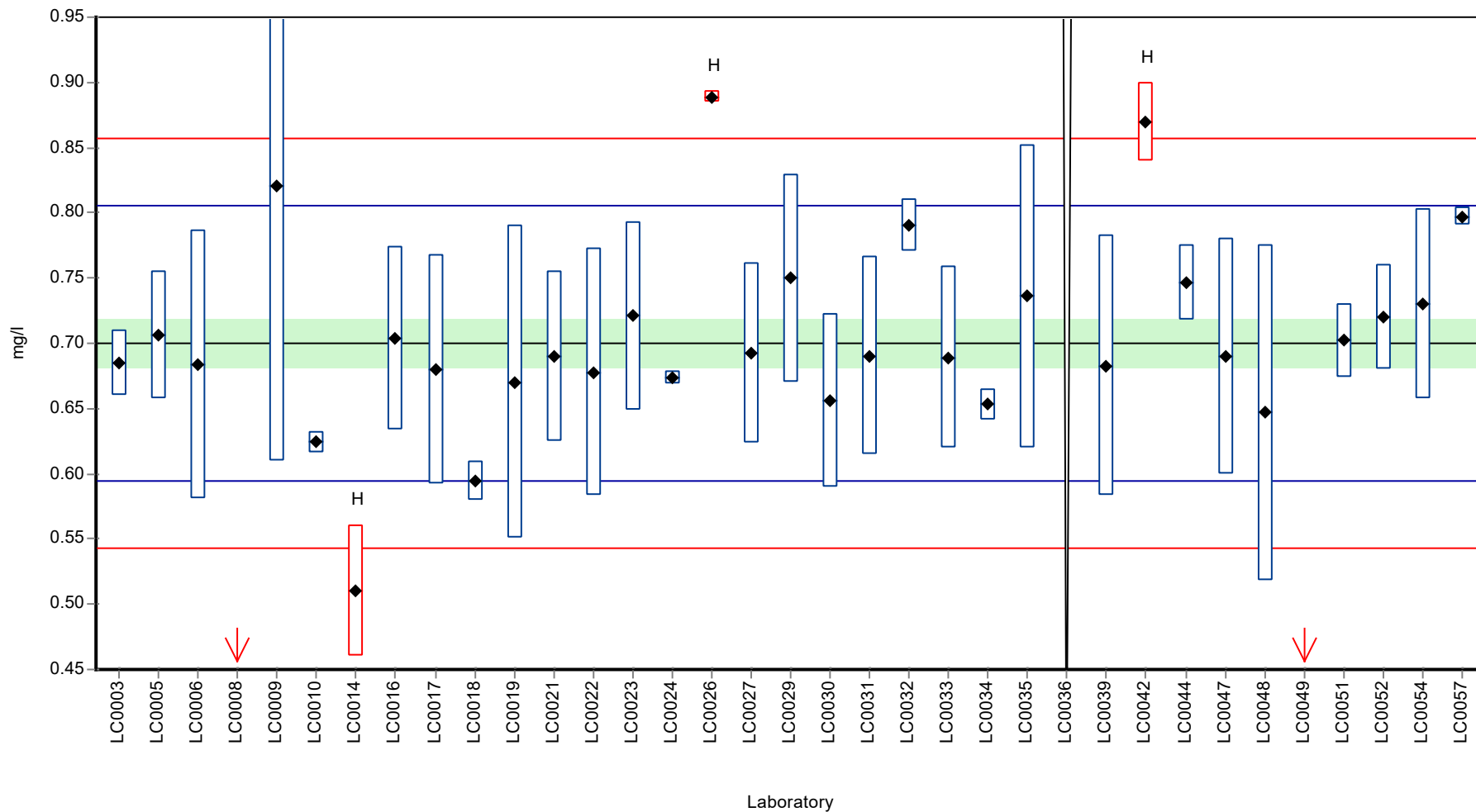
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	0.87	0.03	124	3.24	H
LC0043	-	-	-	-	
LC0044	0.747	0.029	107	0.89	
LC0045	-	-	-	-	
LC0046	-	-	-	-	
LC0047	0.69	0.09	98.6	-0.19	
LC0048	0.647	0.129	92.4	-1.01	
LC0049	0.0583	0.006	8.3	-12.2	H
LC0050	-	-	-	-	
LC0051	0.702	0.028	100	0.04	
LC0052	0.72	0.04	103	0.38	
LC0053	-	-	-	-	
LC0054	0.73	0.073	104	0.57	
LC0055	-	-	-	-	
LC0056	-	-	-	-	
LC0057	0.797	0.007	114	1.85	

Characteristics of parameter

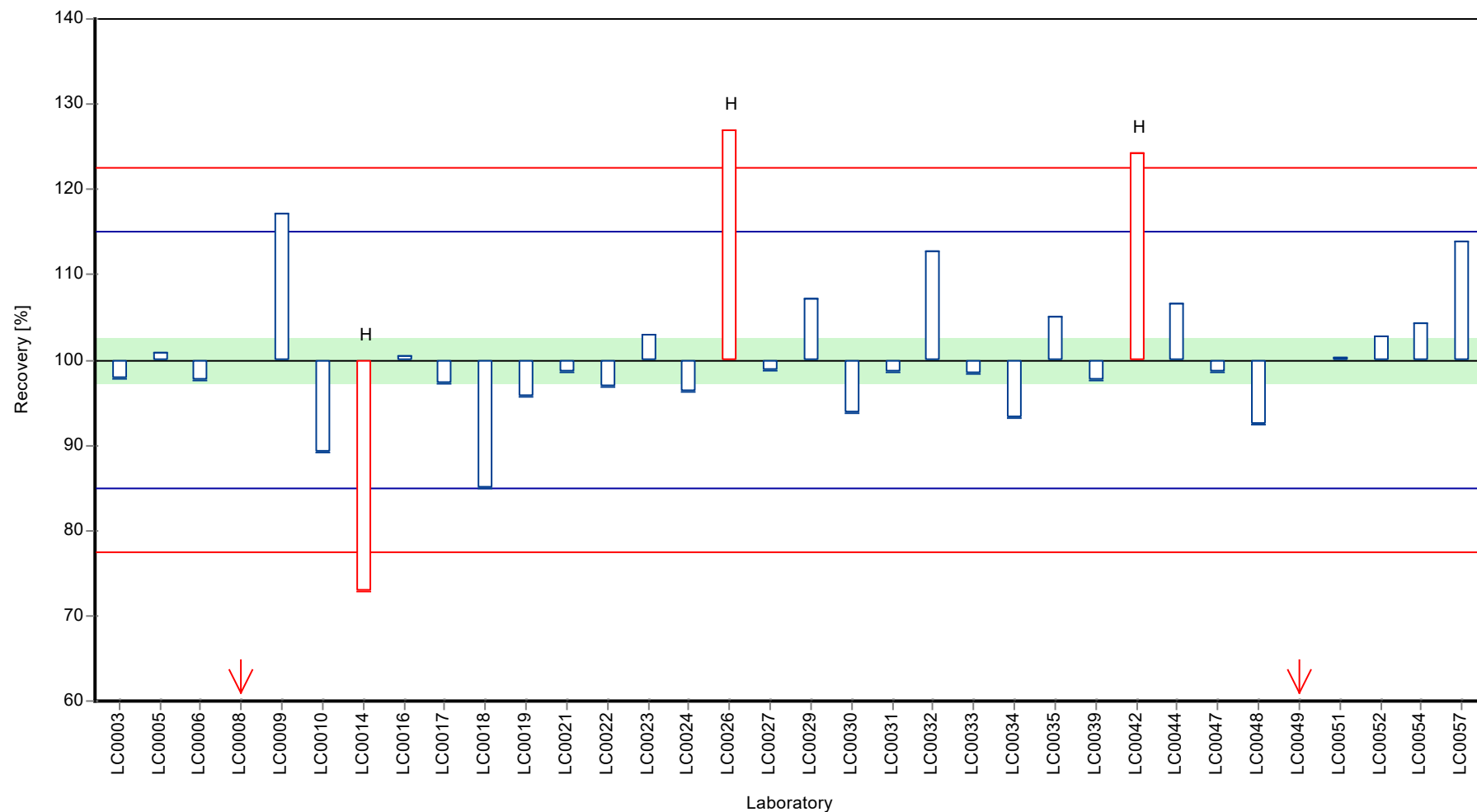
	all results	without outliers	Unit
Mean ± CI (99%)	0.67 ± 0.0822	0.7 ± 0.0273	mg/l
Minimum	0.0583	0.595	mg/l
Maximum	0.889	0.82	mg/l
Standard deviation	0.16	0.049	mg/l
rel. standard deviation	23.8	7	%
n	34	29	-

Graphical presentation of results

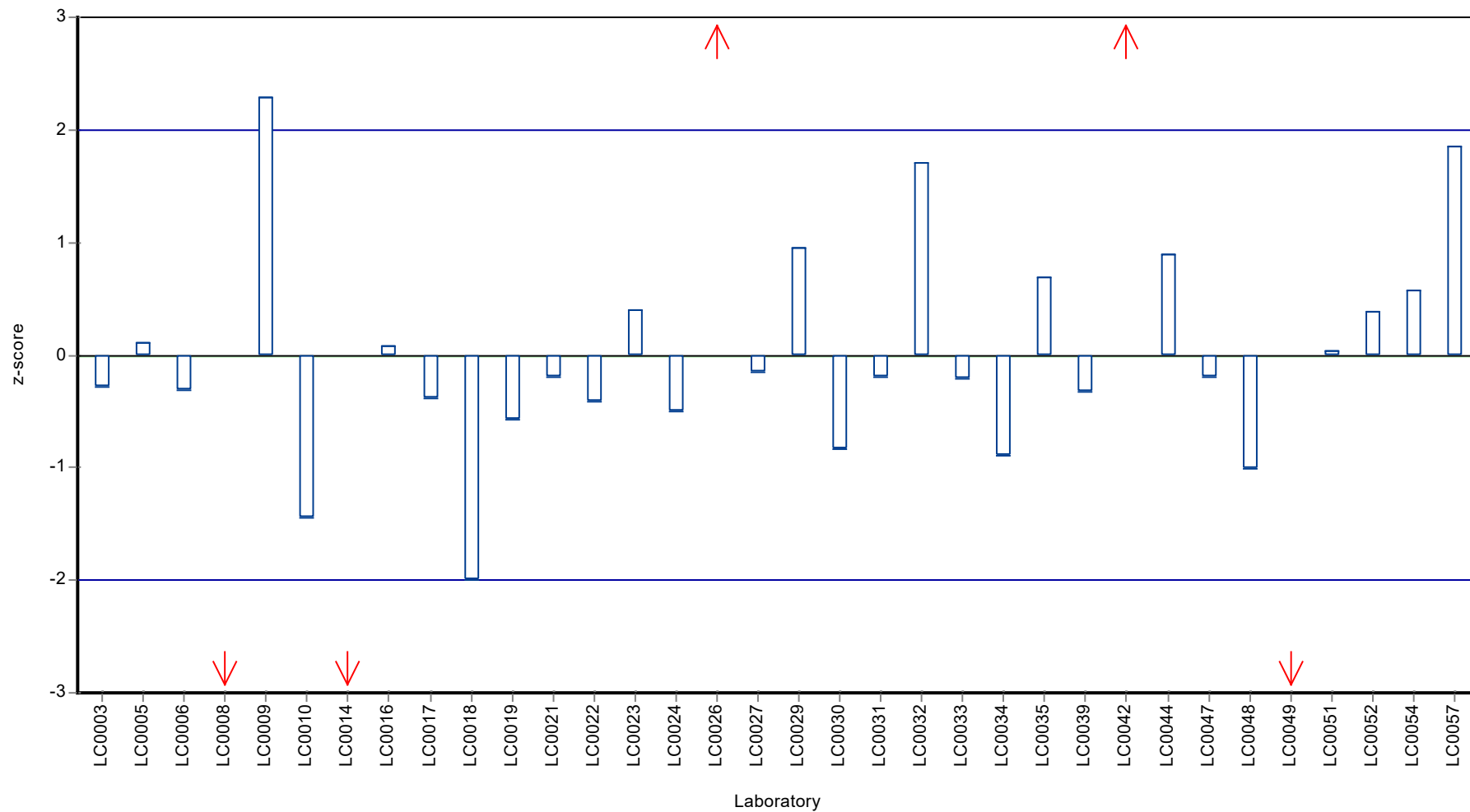
Results



Recovery rate



Z-score



Parameter oriented report

N150 A

Total hardness

Unit	mmol/l
Assigned value ± U (k=2)	2.48 ± 0.0362
Criterion	0.0745 (3 %)
Minimum - Maximum	2.25 - 2.69
Control test value ± U (k=2)	2.45 ± 0.0734

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	2.39	0.15	96.2	-1.26	
LC0004	-	-	-	-	
LC0005	2.36	0.19	95	-1.66	
LC0006	2.48	0.248	99.8	-0.05	
LC0007	-	-	-	-	
LC0008	2.5	0.25	101	0.22	
LC0009	2.48	0.32	99.8	-0.05	
LC0010	2.52	0.022	101	0.48	
LC0011	4.91	0.66	198	32.6	H
LC0012	-	-	-	-	
LC0013	4.96	-	200	33.2	H
LC0014	3.1	0.13	125	8.27	H
LC0015	0.814	0.02	32.8	-22.4	H
LC0016	2.69	1	108	2.77	
LC0017	2.49	0.25	100	0.08	
LC0018	-	-	-	-	
LC0019	-	-	-	-	
LC0020	2.69	0.53	108	2.77	
LC0021	2.43	0.05	97.8	-0.72	
LC0022	2.46	0.13	99	-0.32	
LC0023	2.43	0.26	97.8	-0.72	
LC0024	2.489	0.1	100	0.07	
LC0025	2.47	0.09	99.4	-0.19	
LC0026	2.25	0.02	90.6	-3.14	
LC0027	-	-	-	-	
LC0028	2.58	0.034	104	1.29	
LC0029	2.53	0.3	102	0.62	
LC0030	2.45	0.25	98.6	-0.46	
LC0031	-	-	-	-	
LC0032	2.45	0.02	98.6	-0.46	
LC0033	2.46	0.1	99	-0.32	
LC0034	2.51	0.041	101	0.35	
LC0035	2.76	0.276	111	3.71	H
LC0036	2.3	0.2	92.6	-2.47	
LC0037	-	-	-	-	
LC0038	-	-	-	-	
LC0039	2.49	0.2	100	0.08	
LC0040	-	-	-	-	
LC0041	-	-	-	-	

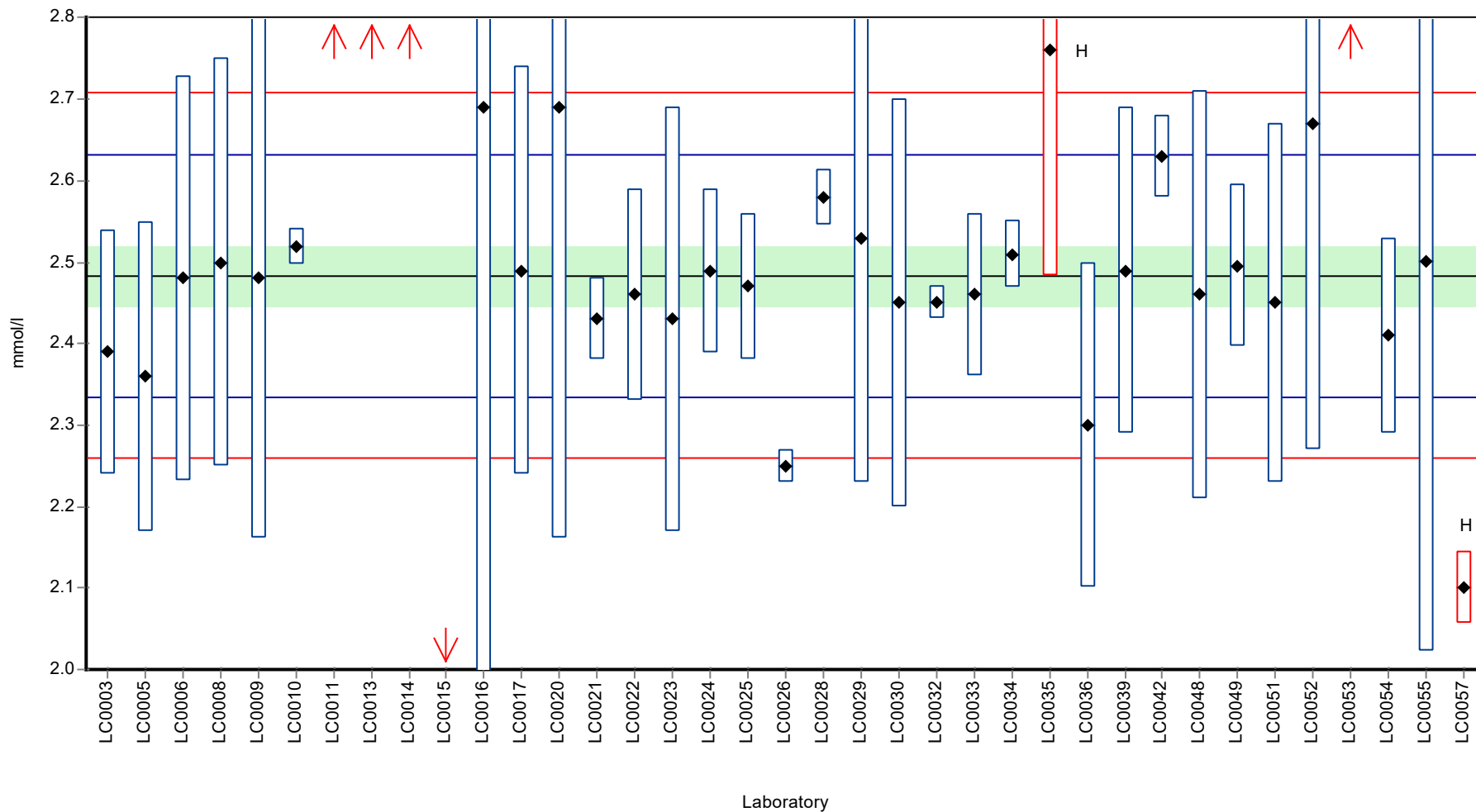
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	2.63	0.05	106	1.96	
LC0043	-	-	-	-	
LC0044	-	-	-	-	
LC0045	-	-	-	-	
LC0046	-	-	-	-	
LC0047	-	-	-	-	
LC0048	2.46	0.25	99	-0.32	
LC0049	2.496	0.1	100	0.16	
LC0050	-	-	-	-	
LC0051	2.45	0.221	98.6	-0.46	
LC0052	2.67	0.4	107	2.5	
LC0053	4.74	0.43	191	30.3	H
LC0054	2.41	0.12	97	-0.99	
LC0055	2.502	0.48	101	0.24	
LC0056	-	-	-	-	
LC0057	2.1	0.044	84.5	-5.15	H

Characteristics of parameter

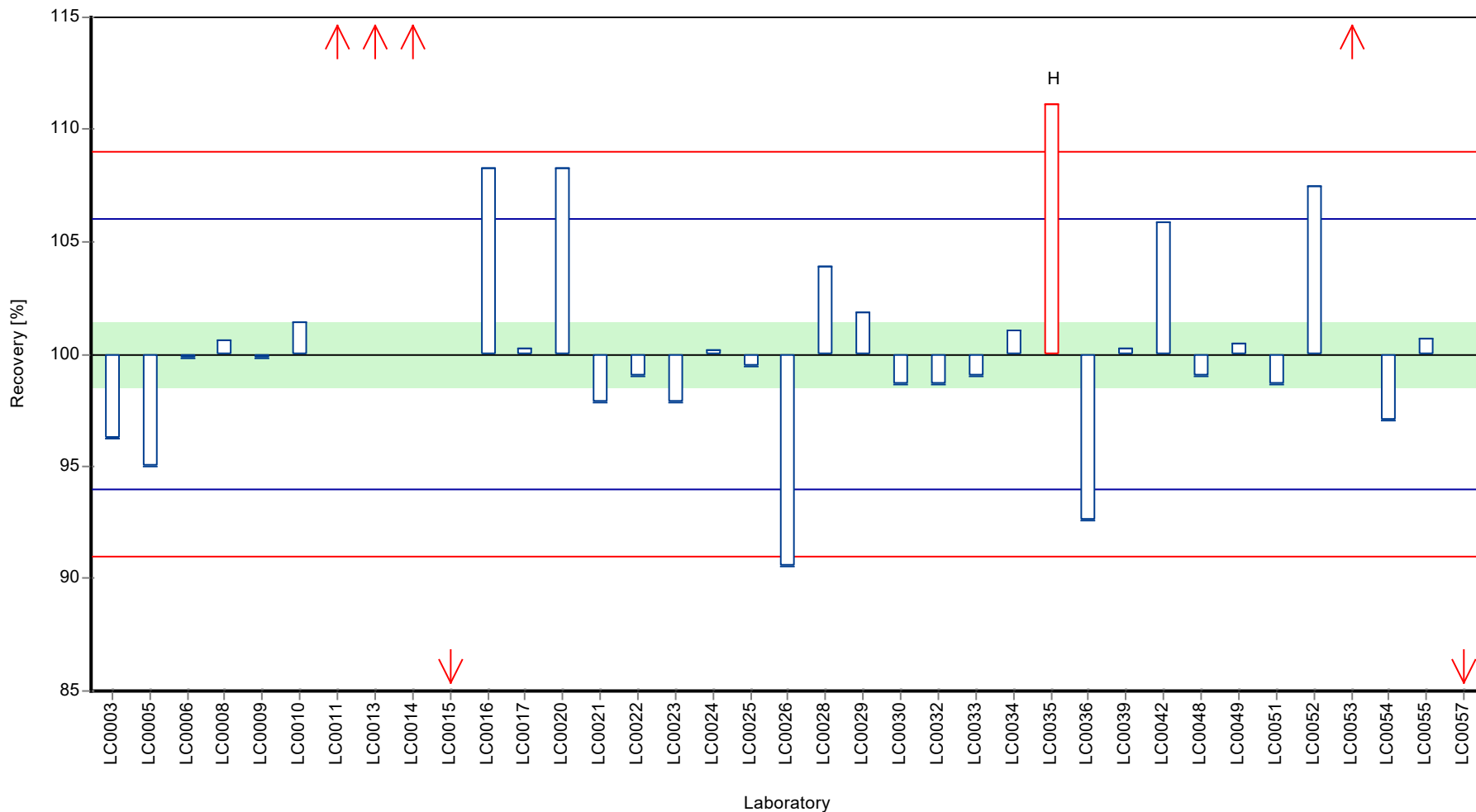
	all results	without outliers	Unit
Mean ± CI (99%)	2.65 ± 0.366	2.48 ± 0.0542	mmol/l
Minimum	0.814	2.25	mmol/l
Maximum	4.96	2.69	mmol/l
Standard deviation	0.742	0.099	mmol/l
rel. standard deviation	28	3.99	%
n	37	30	-

Graphical presentation of results

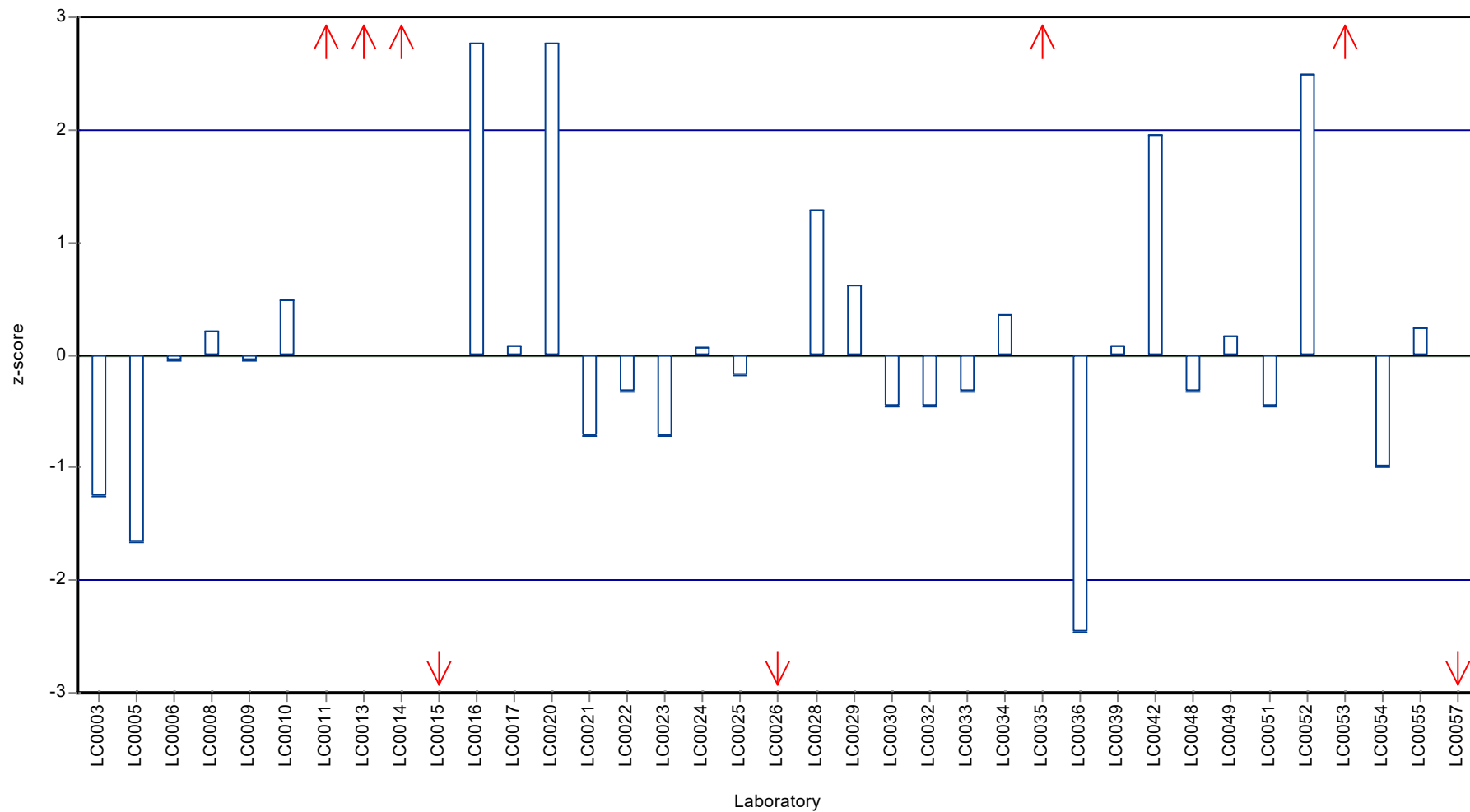
Results



Recovery rate



Z-score



Parameter oriented report

N150 B

Total hardness

Unit	mmol/l
Assigned value ± U (k=2)	1.68 ± 0.022
Criterion	0.0504 (3 %)
Minimum - Maximum	1.59 - 1.83
Control test value ± U (k=2)	1.64 ± 0.0493

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	1.59	0.09	94.6	-1.78	
LC0004	-	-	-	-	
LC0005	1.6	0.13	95.2	-1.59	
LC0006	1.65	0.165	98.2	-0.59	
LC0007	-	-	-	-	
LC0008	1.67	0.17	99.4	-0.2	
LC0009	1.68	0.15	100	0.00	
LC0010	1.64	0.024	97.6	-0.79	
LC0011	-	-	-	-	
LC0012	-	-	-	-	
LC0013	3.41	-	203	34.3	H
LC0014	3	0.12	179	26.2	H
LC0015	1.212	0.03	72.1	-9.28	H
LC0016	1.83	1	109	2.98	
LC0017	1.67	0.17	99.4	-0.2	
LC0018	-	-	-	-	
LC0019	-	-	-	-	
LC0020	1.73	0.53	103	0.99	
LC0021	1.63	0.03	97	-0.99	
LC0022	1.65	0.09	98.2	-0.59	
LC0023	1.63	0.17	97	-0.99	
LC0024	1.673	0.1	99.6	-0.14	
LC0025	1.65	0.09	98.2	-0.59	
LC0026	1.65	0.02	98.2	-0.59	
LC0027	-	-	-	-	
LC0028	1.77	0.023	105	1.79	
LC0029	1.68	0.2	100	0.00	
LC0030	1.68	0.17	100	0.00	
LC0031	-	-	-	-	
LC0032	1.68	0.02	100	0.00	
LC0033	1.66	0.1	98.8	-0.4	
LC0034	1.67	0.042	99.4	-0.2	
LC0035	1.86	0.186	111	3.57	H
LC0036	1.6	0.128	95.2	-1.59	
LC0037	-	-	-	-	
LC0038	-	-	-	-	
LC0039	1.68	0.2	100	0.00	
LC0040	-	-	-	-	
LC0041	-	-	-	-	

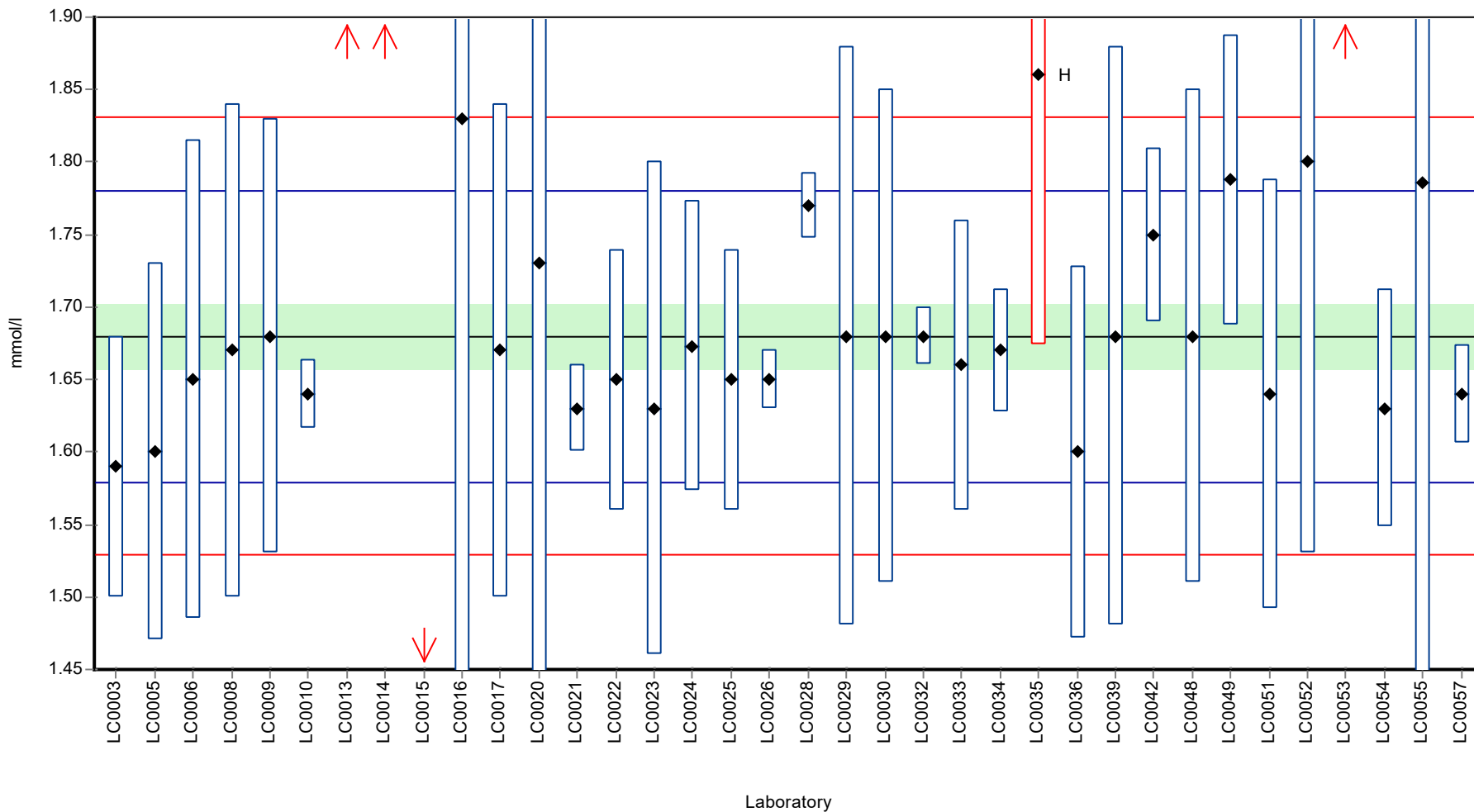
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	1.75	0.06	104	1.39	
LC0043	-	-	-	-	
LC0044	-	-	-	-	
LC0045	-	-	-	-	
LC0046	-	-	-	-	
LC0047	-	-	-	-	
LC0048	1.68	0.17	100	0.00	
LC0049	1.788	0.1	106	2.14	
LC0050	-	-	-	-	
LC0051	1.64	0.148	97.6	-0.79	
LC0052	1.8	0.27	107	2.38	
LC0053	3.16	0.28	188	29.4	H
LC0054	1.63	0.082	97	-0.99	
LC0055	1.786	0.48	106	2.11	
LC0056	-	-	-	-	
LC0057	1.64	0.034	97.6	-0.79	

Characteristics of parameter

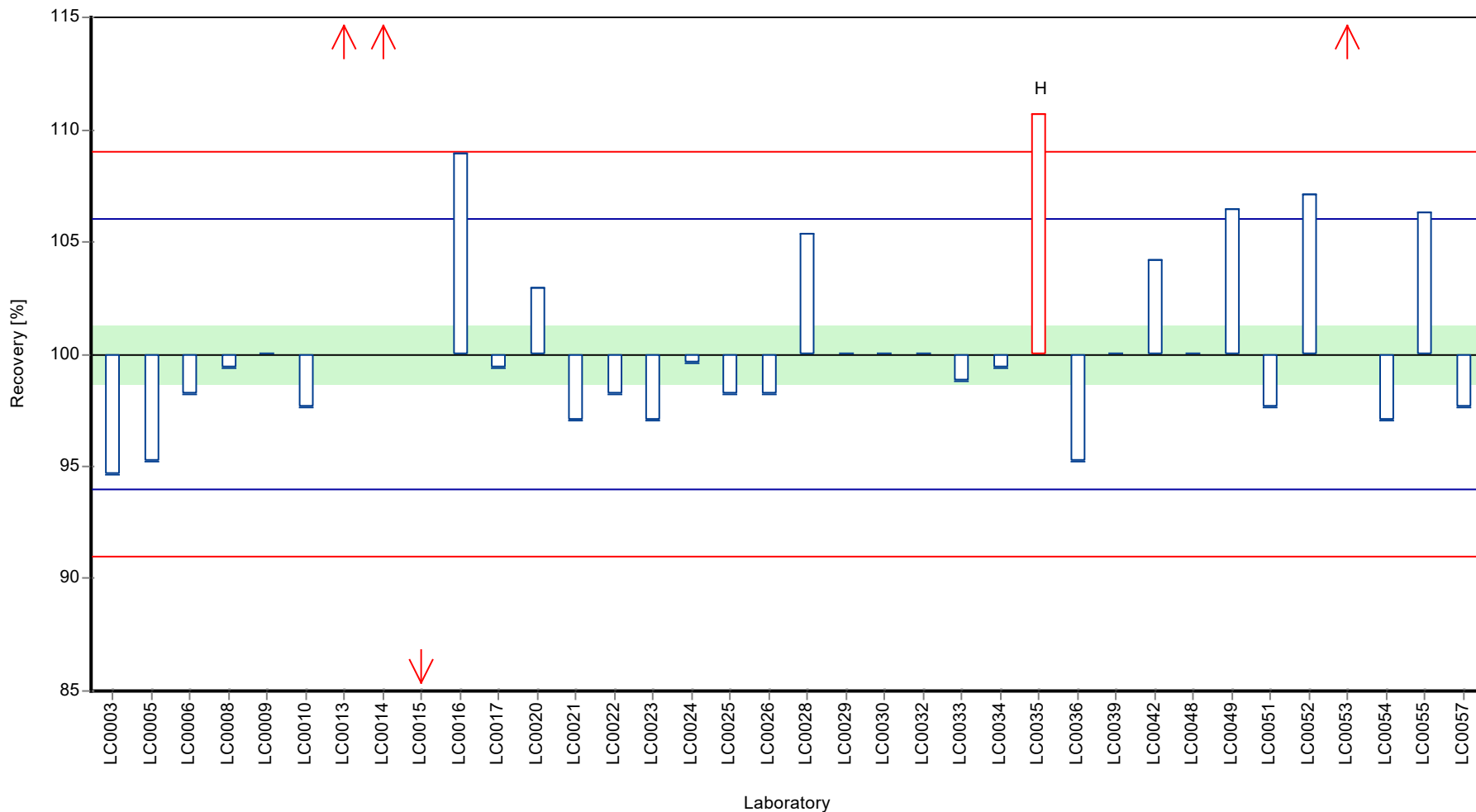
	all results	without outliers	Unit
Mean ± CI (99%)	1.8 ± 0.22	1.68 ± 0.033	mmol/l
Minimum	1.21	1.59	mmol/l
Maximum	3.41	1.83	mmol/l
Standard deviation	0.44	0.0613	mmol/l
rel. standard deviation	24.5	3.65	%
n	36	31	-

Graphical presentation of results

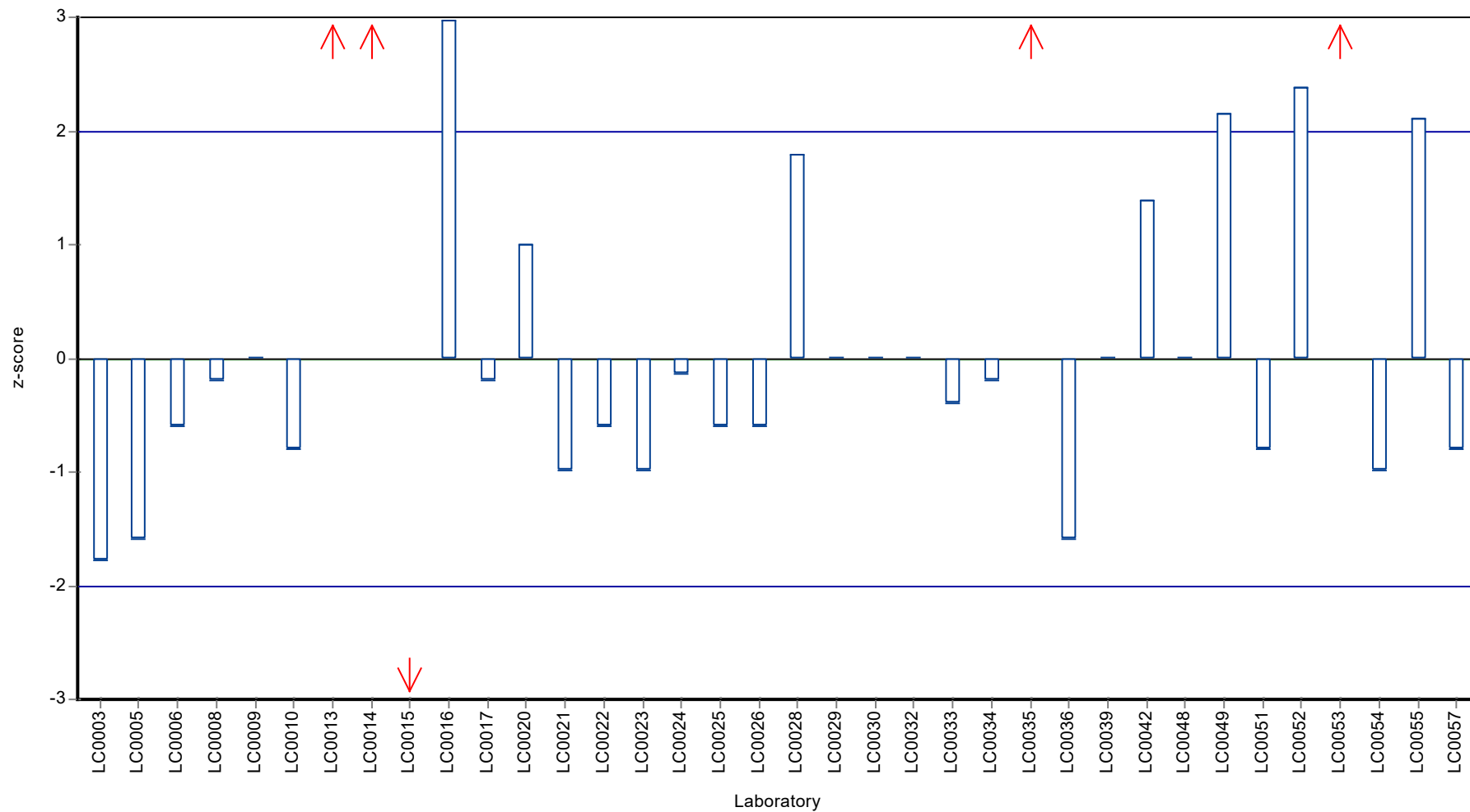
Results



Recovery rate



Z-score



Parameter oriented report

N150 A

Total nitrogen

Unit	mg/l
Assigned value ± U (k=2)	1.76 ± 0.0577
Criterion	0.146 (8.3 %)
Minimum - Maximum	1.59 - 2
Control test value ± U (k=2)	1.55 ± 0.109

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	1.69	0.09	96	-0.48	
LC0004	-	-	-	-	
LC0005	1.59	0.26	90.3	-1.17	
LC0006	1.01	0.101	57.4	-5.14	H
LC0007	-	-	-	-	
LC0008	1.66	0.33	94.3	-0.69	
LC0009	1.8	0.5	102	0.27	
LC0010	1.75	0.047	99.4	-0.07	
LC0011	-	-	-	-	
LC0012	-	-	-	-	
LC0013	-	-	-	-	
LC0014	-	-	-	-	
LC0015	-	-	-	-	
LC0016	1.7	0.26	96.6	-0.41	
LC0017	-	-	-	-	
LC0018	-	-	-	-	
LC0019	-	-	-	-	
LC0020	-	-	-	-	
LC0021	1.87	0.1	106	0.75	
LC0022	1.8	0.3	102	0.27	
LC0023	1.64	0.16	93.1	-0.83	
LC0024	1.86	0.2	106	0.68	
LC0025	-	-	-	-	
LC0026	2.935	0.063	167	8.04	H
LC0027	1.83	0.18	104	0.47	
LC0028	-	-	-	-	
LC0029	1.64	0.2	93.1	-0.83	
LC0030	1.9	0.2	108	0.95	
LC0031	-	-	-	-	
LC0032	-	-	-	-	
LC0033	1.8	0.2	102	0.27	
LC0034	1.68	0.02	95.4	-0.55	
LC0035	5.46	0.754	310	25.3	H
LC0036	-	-	-	-	
LC0037	-	-	-	-	
LC0038	-	-	-	-	
LC0039	1.72	0.464	97.7	-0.28	
LC0040	-	-	-	-	
LC0041	-	-	-	-	

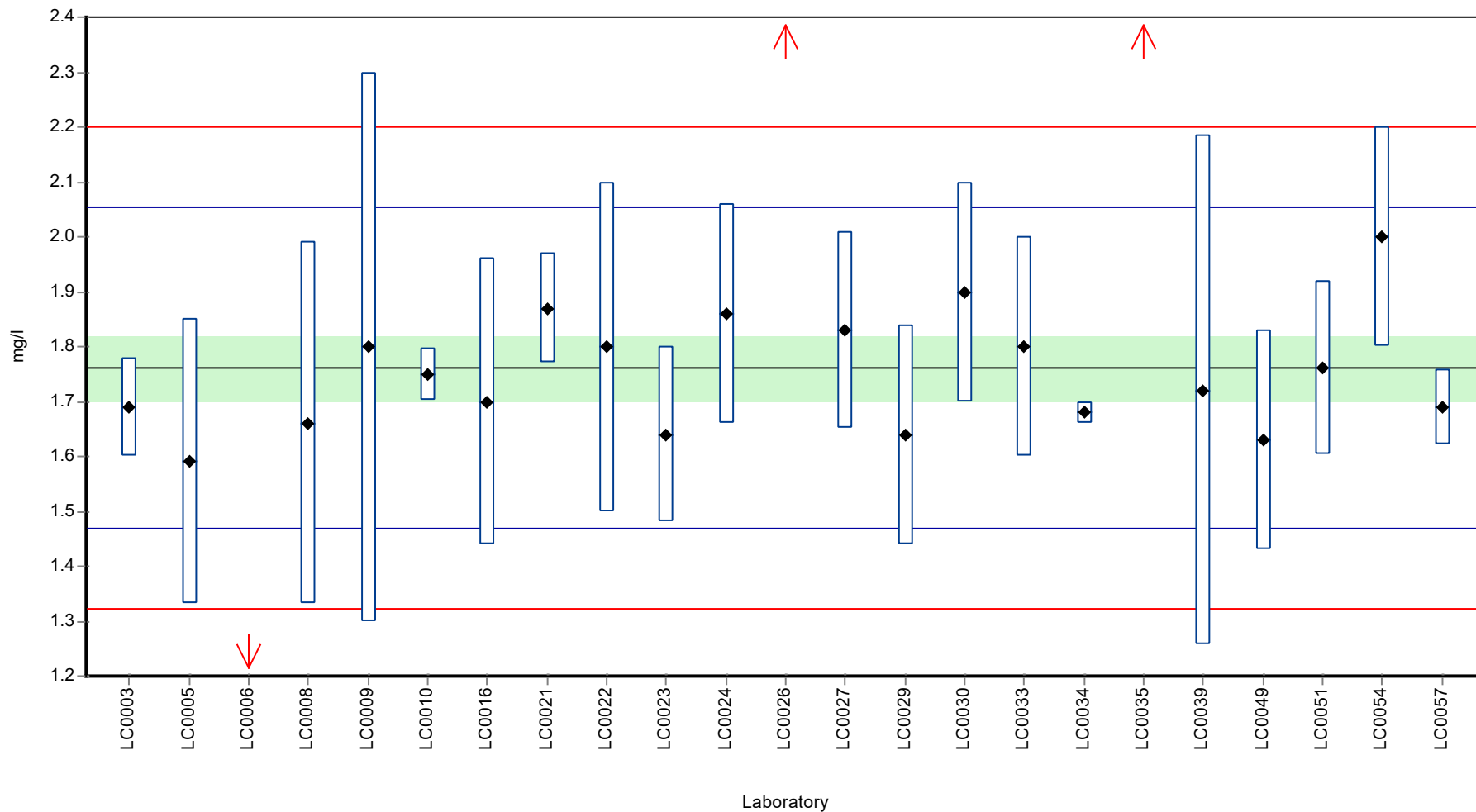
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	-	-	-	-	
LC0043	-	-	-	-	
LC0044	-	-	-	-	
LC0045	-	-	-	-	
LC0046	-	-	-	-	
LC0047	-	-	-	-	
LC0048	-	-	-	-	
LC0049	1.6301	0.2	92.6	-0.89	
LC0050	-	-	-	-	
LC0051	1.76	0.158	100	0.00	
LC0052	-	-	-	-	
LC0053	-	-	-	-	
LC0054	2	0.2	114	1.64	
LC0055	-	-	-	-	
LC0056	-	-	-	-	
LC0057	1.69	0.068	96	-0.48	

Characteristics of parameter

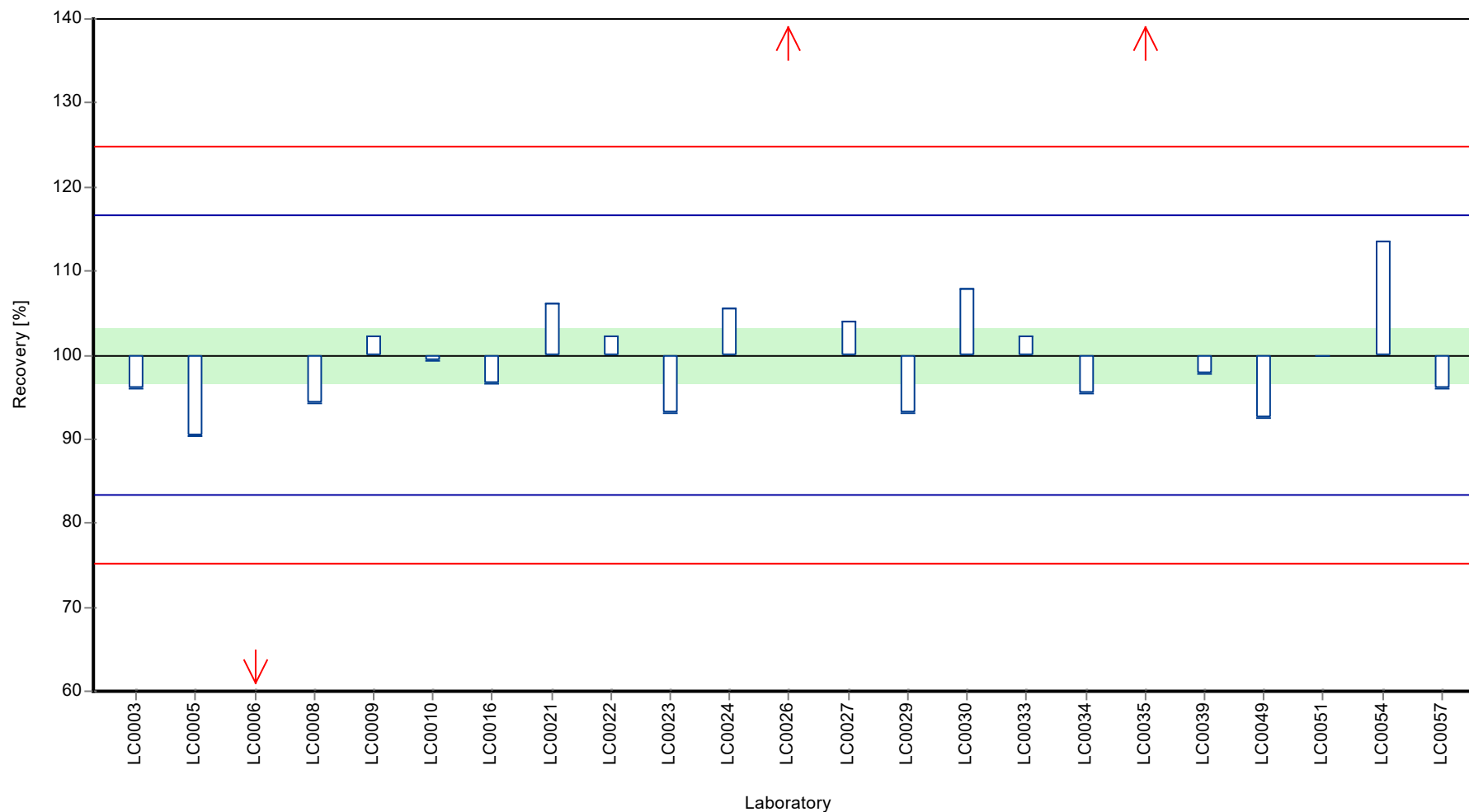
	all results	without outliers	Unit
Mean ± CI (99%)	1.93 ± 0.52	1.75 ± 0.0711	mg/l
Minimum	1.01	1.59	mg/l
Maximum	5.46	2	mg/l
Standard deviation	0.831	0.106	mg/l
rel. standard deviation	43	6.05	%
n	23	20	-

Graphical presentation of results

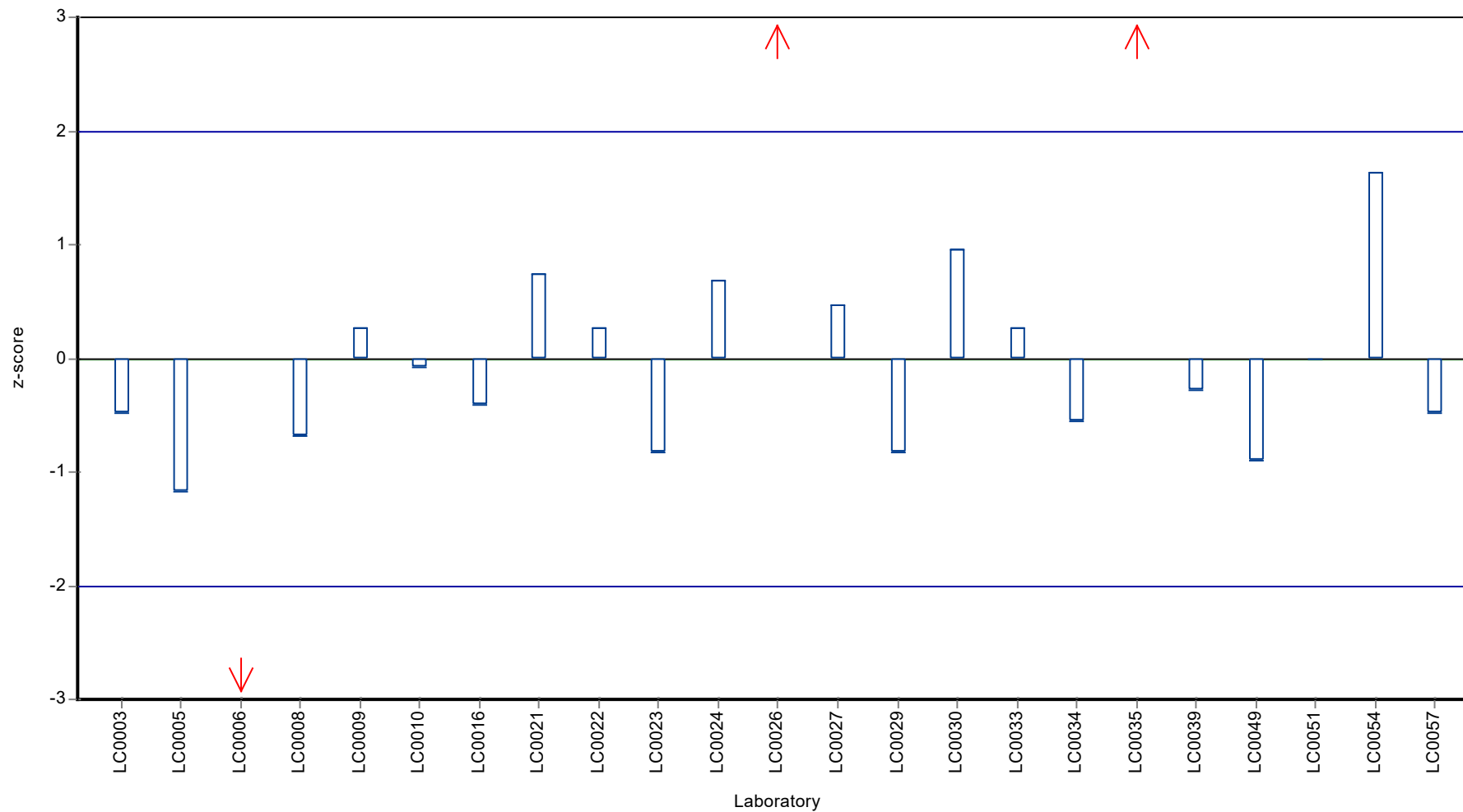
Results



Recovery rate



Z-score



Parameter oriented report

N150 B

Total nitrogen

Unit	mg/l
Assigned value ± U (k=2)	3.1 ± 0.101
Criterion	0.258 (8.3 %)
Minimum - Maximum	2.8 - 3.47
Control test value ± U (k=2)	3.48 ± 0.244

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	2.94	0.15	94.7	-0.63	
LC0004	-	-	-	-	
LC0005	2.86	0.47	92.2	-0.94	
LC0006	2.936	0.2936	94.6	-0.65	
LC0007	-	-	-	-	
LC0008	2.85	0.57	91.8	-0.98	
LC0009	3.1	0.8	99.9	-0.01	
LC0010	3.22	0.062	104	0.45	
LC0011	-	-	-	-	
LC0012	-	-	-	-	
LC0013	-	-	-	-	
LC0014	-	-	-	-	
LC0015	-	-	-	-	
LC0016	3.07	0.46	98.9	-0.13	
LC0017	-	-	-	-	
LC0018	-	-	-	-	
LC0019	-	-	-	-	
LC0020	-	-	-	-	
LC0021	3.4	0.19	110	1.15	
LC0022	3	0.4	96.7	-0.4	
LC0023	2.81	0.28	90.5	-1.14	
LC0024	3.35	0.2	108	0.96	
LC0025	-	-	-	-	
LC0026	4.324	0.073	139	4.74	H
LC0027	3.25	0.33	105	0.57	
LC0028	-	-	-	-	
LC0029	2.93	0.3	94.4	-0.67	
LC0030	3.3	0.3	106	0.76	
LC0031	-	-	-	-	
LC0032	-	-	-	-	
LC0033	3.18	0.4	102	0.3	
LC0034	2.89	0.02	93.1	-0.83	
LC0035	3.47	0.479	112	1.42	
LC0036	-	-	-	-	
LC0037	-	-	-	-	
LC0038	-	-	-	-	
LC0039	3.23	0.872	104	0.49	
LC0040	-	-	-	-	
LC0041	-	-	-	-	

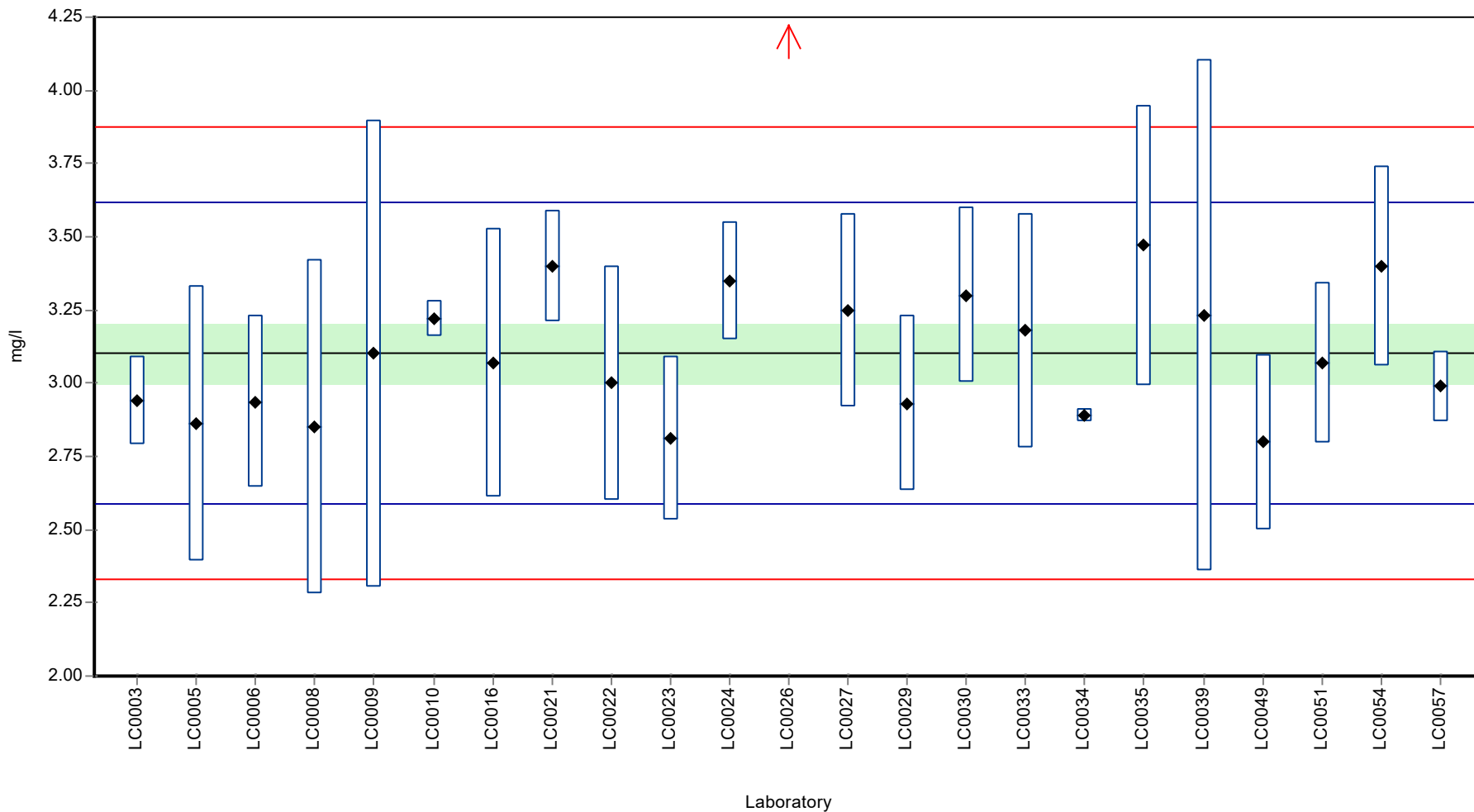
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	-	-	-	-	
LC0043	-	-	-	-	
LC0044	-	-	-	-	
LC0045	-	-	-	-	
LC0046	-	-	-	-	
LC0047	-	-	-	-	
LC0048	-	-	-	-	
LC0049	2.7988	0.3	90.2	-1.18	
LC0050	-	-	-	-	
LC0051	3.07	0.276	98.9	-0.13	
LC0052	-	-	-	-	
LC0053	-	-	-	-	
LC0054	3.4	0.34	110	1.15	
LC0055	-	-	-	-	
LC0056	-	-	-	-	
LC0057	2.99	0.12	96.3	-0.44	

Characteristics of parameter

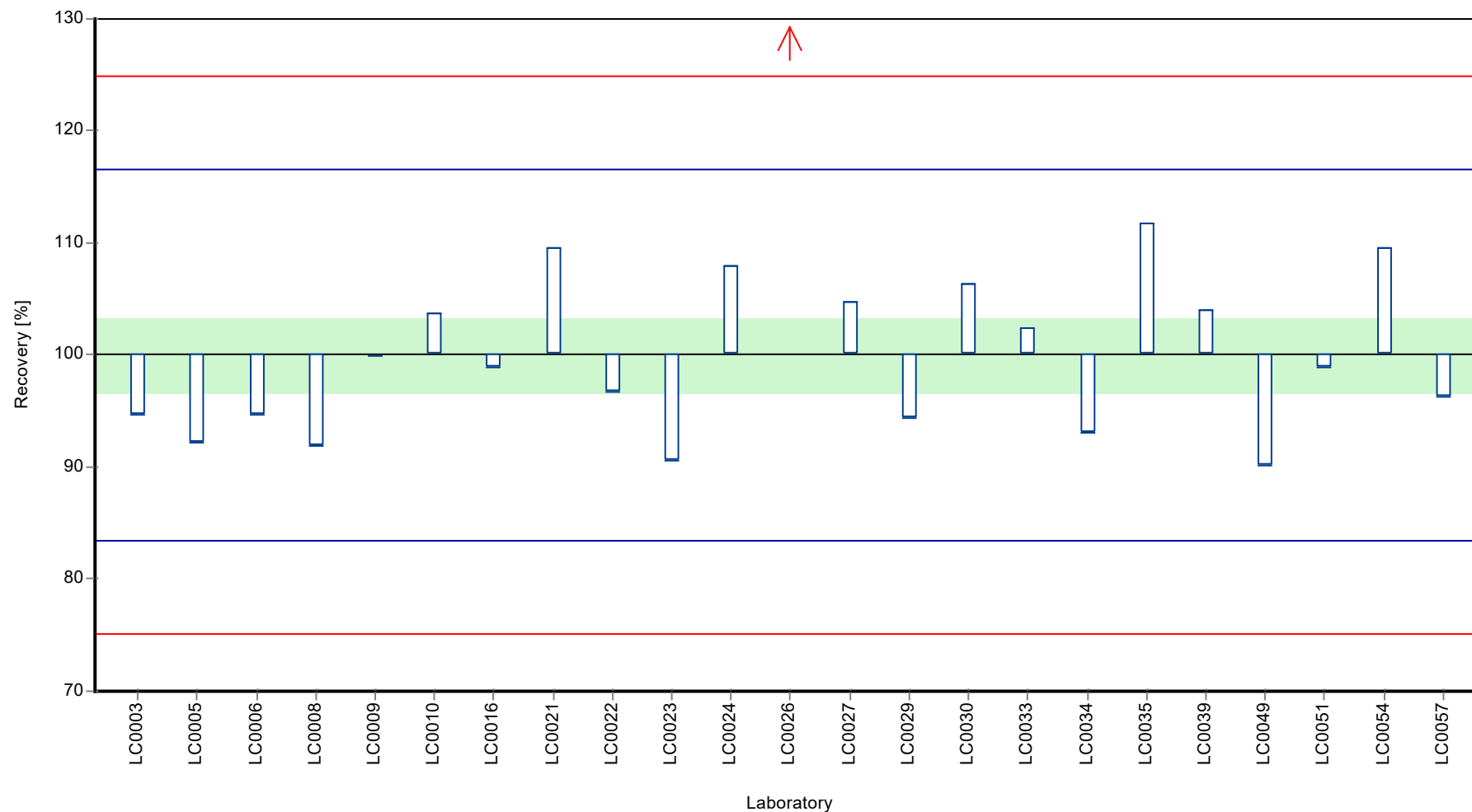
	all results	without outliers	Unit
Mean ± CI (99%)	3.15 ± 0.205	3.09 ± 0.134	mg/l
Minimum	2.8	2.8	mg/l
Maximum	4.32	3.47	mg/l
Standard deviation	0.328	0.21	mg/l
rel. standard deviation	10.4	6.78	%
n	23	22	-

Graphical presentation of results

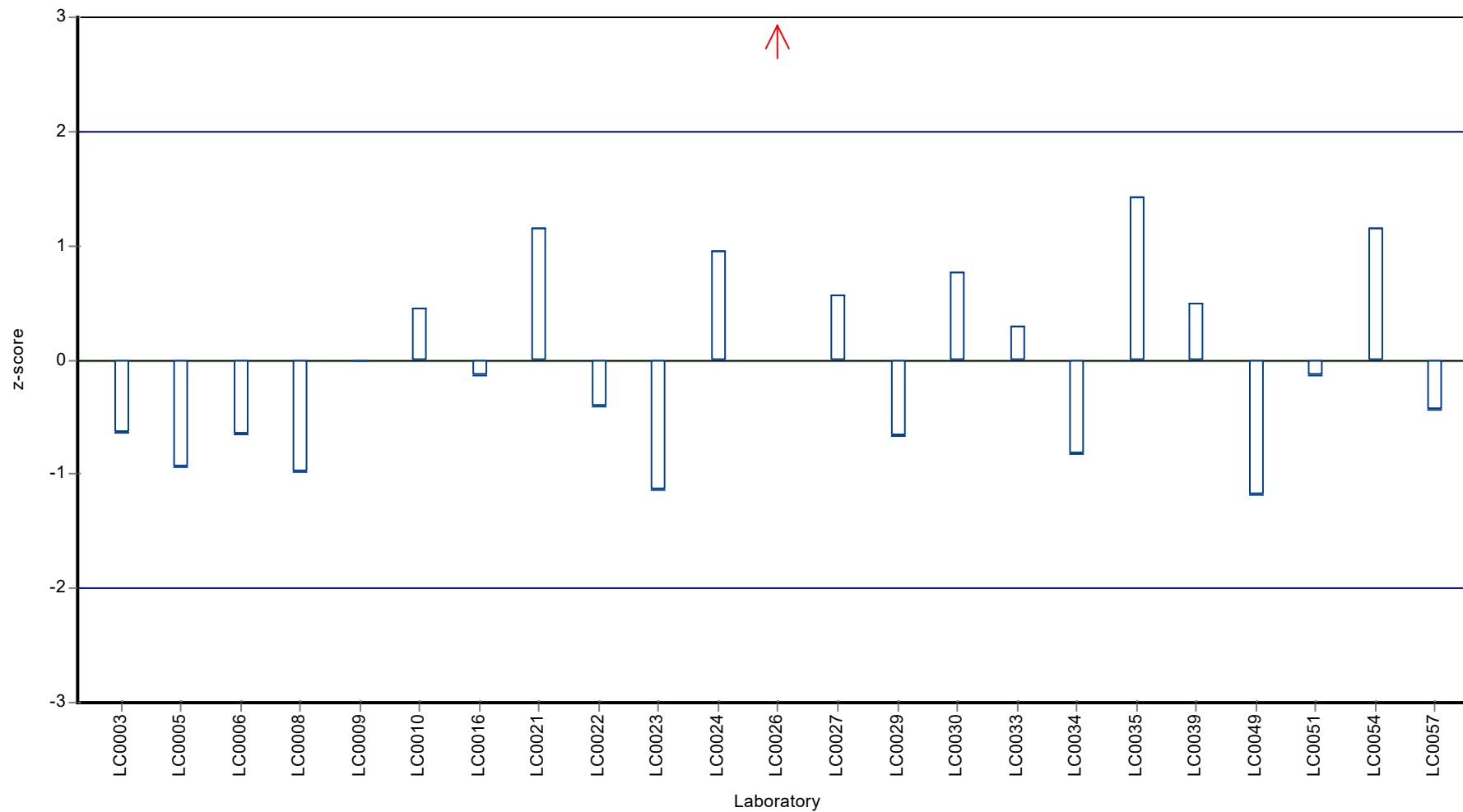
Results



Recovery rate



Z-score



E8. Labororientierte Auswertung / Laboratory oriented report

The laboratory oriented report is sorted by laboratory code.

Sample: N150A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	4.1 ± 0.0162	4.13 ± 0.214	0.0821	101	0.31
Ammonium (as NH ₄)	mg/l	0.0588 ± 0.0023	- ± -	0.00706	-	-
Boron	mg/l	0.0209 ± 0.000944	- ± -	0.0023	-	-
Calcium	mg/l	71.6 ± 0.691	- ± -	2.22	-	-
Chloride	mg/l	31 ± 0.209	- ± -	1.24	-	-
El. conductivity (25°C)	µS/cm	545 ± 2.62	548 ± 15	7.09	101	0.41
Hydrogen carbonate	mg/l	249 ± 1.82	- ± -	4.99	-	-
Magnesium	mg/l	16.2 ± 0.207	- ± -	0.648	-	-
Nitrate (as NO ₃)	mg/l	7.06 ± 0.16	- ± -	0.353	-	-
Nitrite (as NO ₂)	mg/l	0.202 ± 0.00286	- ± -	0.0107	-	-
Orthophosphate (as PO ₄)	mg/l	0.137 ± 0.00441	- ± -	0.0123	-	-
pH-value	-	7.77 ± 0.027	7.78 ± 0.0778	0.155	100	0.08
Potassium	mg/l	2.28 ± 0.0331	- ± -	0.118	-	-
Sodium	mg/l	17.7 ± 0.216	- ± -	0.602	-	-
Sulfate (as SO ₄)	mg/l	31.2 ± 0.278	- ± -	1.03	-	-
Total-P (as PO ₄)	mg/l	1.48 ± 0.0285	- ± -	0.111	-	-
Total hardness	mmol/l	2.48 ± 0.0362	- ± -	0.0745	-	-
Total nitrogen	mg/l	1.76 ± 0.0577	- ± -	0.146	-	-

Sample: N150ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.85 ± 0.0645	- ± -	0.185	-	-

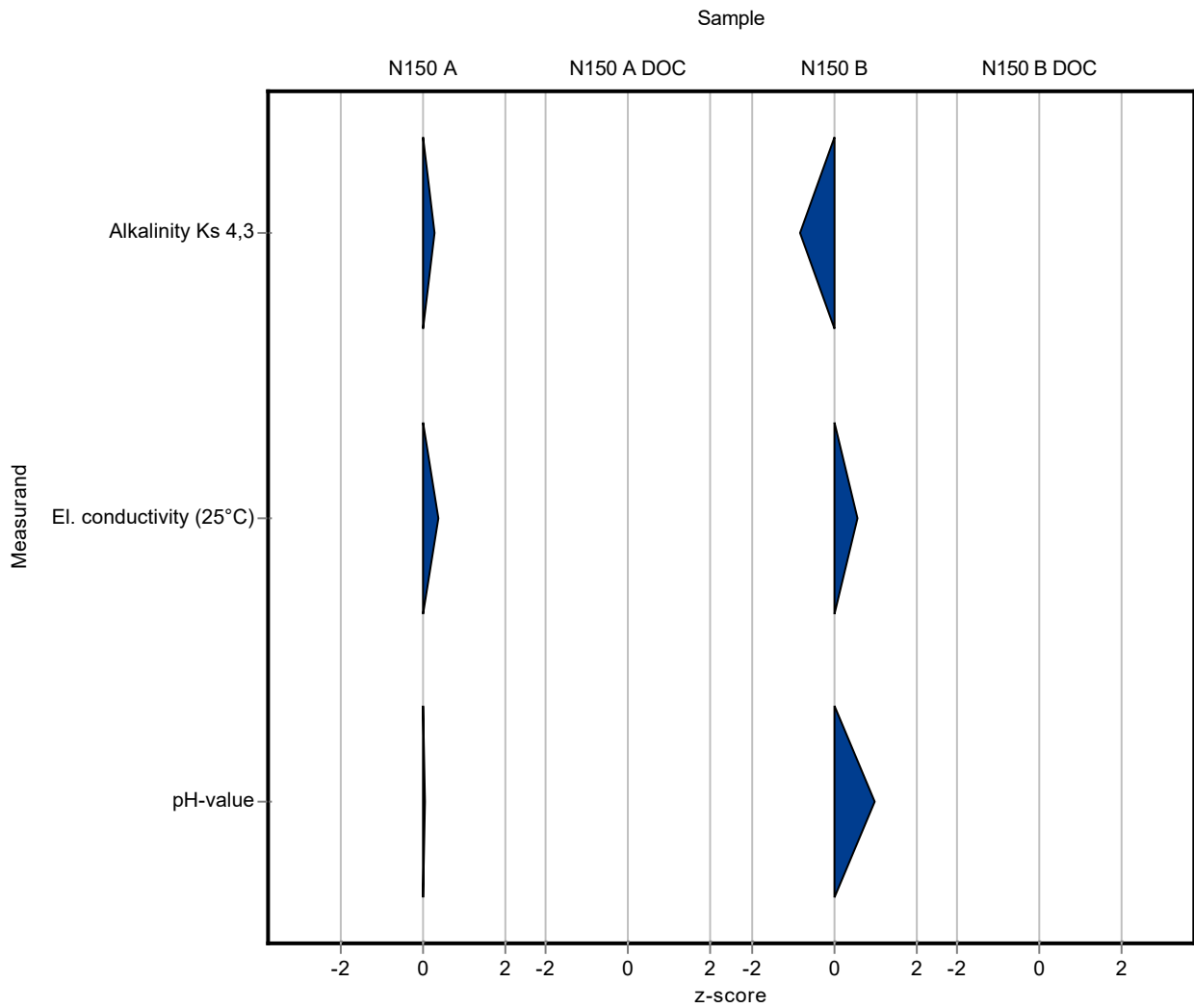
Sample: N150B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	2.74 ± 0.0137	2.69 ± 0.14	0.0547	98.4	-0.82
Ammonium (as NH ₄)	mg/l	0.321 ± 0.00634	- ± -	0.0385	-	-
Boron	mg/l	0.00948 ± 0.00044	- ± -	0.00104	-	-
Calcium	mg/l	48.2 ± 0.463	- ± -	1.5	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Chloride	mg/l	11.5 ± 0.13	- ± -	0.459	-	-
El. conductivity (25°C)	µS/cm	350 ± 1.44	353 ± 15	4.56	101	0.56
Hydrogen carbonate	mg/l	165 ± 1.09	- ± -	3.3	-	-
Magnesium	mg/l	10.9 ± 0.149	- ± -	0.435	-	-
Nitrate (as NO ₃)	mg/l	12 ± 0.174	- ± -	0.601	-	-
Nitrite (as NO ₂)	mg/l	0.221 ± 0.00316	- ± -	0.0117	-	-
Orthophosphate (as PO ₄)	mg/l	0.166 ± 0.00363	- ± -	0.0149	-	-
pH-value	-	7.74 ± 0.033	7.89 ± 0.0789	0.155	102	1.00
Potassium	mg/l	1.24 ± 0.0282	- ± -	0.0644	-	-
Sodium	mg/l	6.39 ± 0.087	- ± -	0.217	-	-
Sulfate (as SO ₄)	mg/l	18.3 ± 0.193	- ± -	0.603	-	-
Total-P (as PO ₄)	mg/l	0.7 ± 0.0182	- ± -	0.0525	-	-
Total hardness	mmol/l	1.68 ± 0.022	- ± -	0.0504	-	-
Total nitrogen	mg/l	3.1 ± 0.101	- ± -	0.258	-	-

Sample: N150BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.45 ± 0.0593	- ± -	0.245	-	-



Sample: N150A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	4.1 ± 0.0162	4.13 ± 0.214	0.0821	101	0.06
Ammonium (as NH ₄)	mg/l	0.0588 ± 0.0023	- ± -	0.00706	-	-
Boron	mg/l	0.0209 ± 0.000944	- ± -	0.0023	-	-
Calcium	mg/l	71.6 ± 0.691	- ± -	2.22	-	-
Chloride	mg/l	31 ± 0.209	- ± -	1.24	-	-
El. conductivity (25°C)	µS/cm	545 ± 2.62	548 ± 15	7.09	101	0.10
Hydrogen carbonate	mg/l	249 ± 1.82	- ± -	4.99	-	-
Magnesium	mg/l	16.2 ± 0.207	- ± -	0.648	-	-
Nitrate (as NO ₃)	mg/l	7.06 ± 0.16	- ± -	0.353	-	-
Nitrite (as NO ₂)	mg/l	0.202 ± 0.00286	- ± -	0.0107	-	-
Orthophosphate (as PO ₄)	mg/l	0.137 ± 0.00441	- ± -	0.0123	-	-
pH-value	-	7.77 ± 0.027	7.78 ± 0.0778	0.155	100	0.08
Potassium	mg/l	2.28 ± 0.0331	- ± -	0.118	-	-
Sodium	mg/l	17.7 ± 0.216	- ± -	0.602	-	-
Sulfate (as SO ₄)	mg/l	31.2 ± 0.278	- ± -	1.03	-	-
Total-P (as PO ₄)	mg/l	1.48 ± 0.0285	- ± -	0.111	-	-
Total hardness	mmol/l	2.48 ± 0.0362	- ± -	0.0745	-	-
Total nitrogen	mg/l	1.76 ± 0.0577	- ± -	0.146	-	-

Sample: N150ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.85 ± 0.0645	- ± -	0.185	-	-

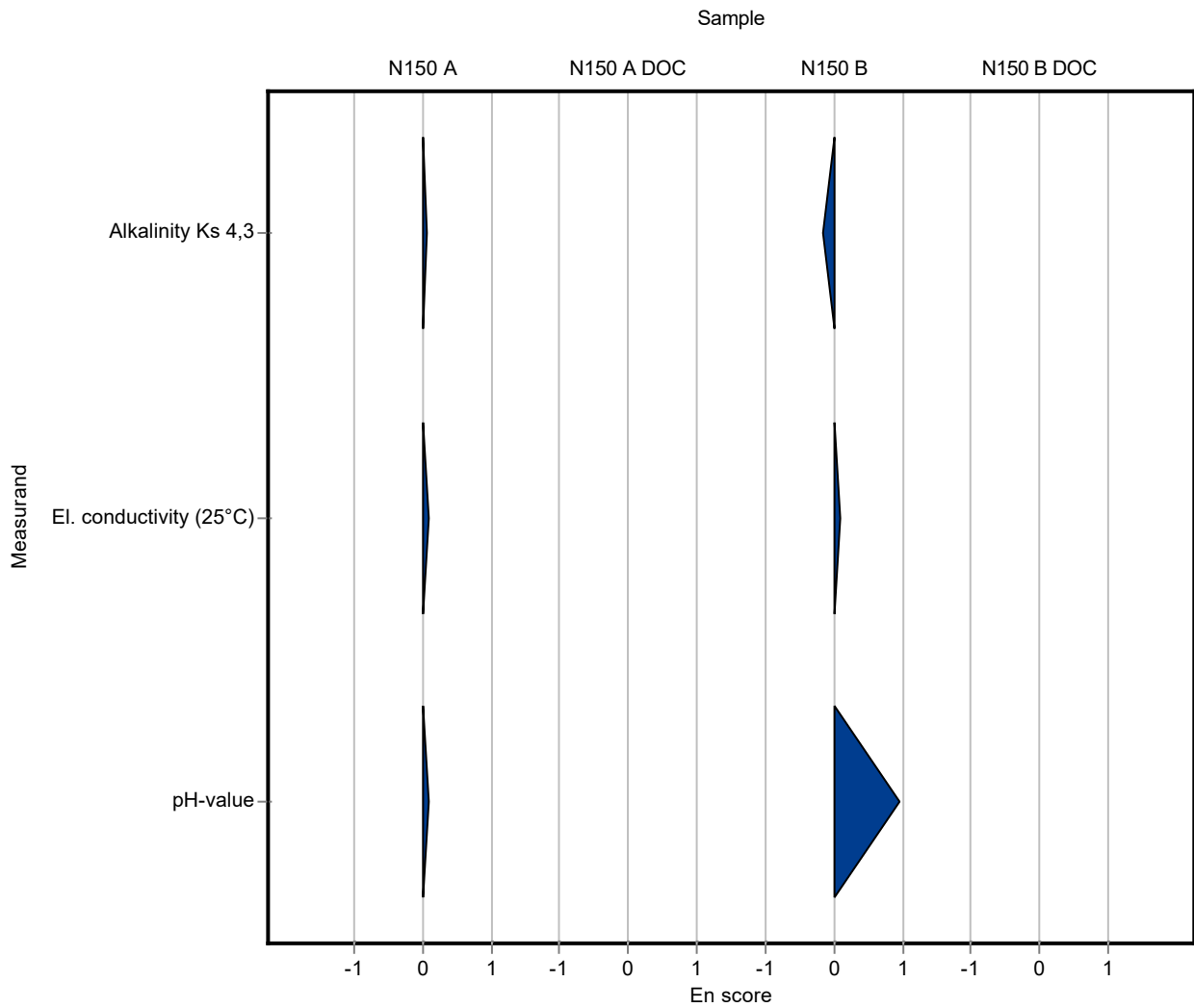
Sample: N150B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	2.74 ± 0.0137	2.69 ± 0.14	0.0547	98.4	-0.16
Ammonium (as NH ₄)	mg/l	0.321 ± 0.00634	- ± -	0.0385	-	-
Boron	mg/l	0.00948 ± 0.00044	- ± -	0.00104	-	-
Calcium	mg/l	48.2 ± 0.463	- ± -	1.5	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Chloride	mg/l	11.5 ± 0.13	- ± -	0.459	-	-
El. conductivity (25°C)	µS/cm	350 ± 1.44	353 ± 15	4.56	101	0.08
Hydrogen carbonate	mg/l	165 ± 1.09	- ± -	3.3	-	-
Magnesium	mg/l	10.9 ± 0.149	- ± -	0.435	-	-
Nitrate (as NO ₃)	mg/l	12 ± 0.174	- ± -	0.601	-	-
Nitrite (as NO ₂)	mg/l	0.221 ± 0.00316	- ± -	0.0117	-	-
Orthophosphate (as PO ₄)	mg/l	0.166 ± 0.00363	- ± -	0.0149	-	-
pH-value	-	7.74 ± 0.033	7.89 ± 0.0789	0.155	102	0.96
Potassium	mg/l	1.24 ± 0.0282	- ± -	0.0644	-	-
Sodium	mg/l	6.39 ± 0.087	- ± -	0.217	-	-
Sulfate (as SO ₄)	mg/l	18.3 ± 0.193	- ± -	0.603	-	-
Total-P (as PO ₄)	mg/l	0.7 ± 0.0182	- ± -	0.0525	-	-
Total hardness	mmol/l	1.68 ± 0.022	- ± -	0.0504	-	-
Total nitrogen	mg/l	3.1 ± 0.101	- ± -	0.258	-	-

Sample: N150BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	2.45 ± 0.0593	- ± -	0.245	-	-



Sample: N150A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	4.1 ± 0.0162	4.13 ± 0.2	0.0821	101	0.31
Ammonium (as NH ₄)	mg/l	0.0588 ± 0.0023	- ± -	0.00706	-	-
Boron	mg/l	0.0209 ± 0.000944	- ± -	0.0023	-	-
Calcium	mg/l	71.6 ± 0.691	- ± -	2.22	-	-
Chloride	mg/l	31 ± 0.209	- ± -	1.24	-	-
El. conductivity (25°C)	µS/cm	545 ± 2.62	545 ± 30	7.09	100	-0.02
Hydrogen carbonate	mg/l	249 ± 1.82	- ± -	4.99	-	-
Magnesium	mg/l	16.2 ± 0.207	- ± -	0.648	-	-
Nitrate (as NO ₃)	mg/l	7.06 ± 0.16	- ± -	0.353	-	-
Nitrite (as NO ₂)	mg/l	0.202 ± 0.00286	- ± -	0.0107	-	-
Orthophosphate (as PO ₄)	mg/l	0.137 ± 0.00441	- ± -	0.0123	-	-
pH-value	-	7.77 ± 0.027	7.66 ± 0.04	0.155	98.6	-0.69
Potassium	mg/l	2.28 ± 0.0331	- ± -	0.118	-	-
Sodium	mg/l	17.7 ± 0.216	- ± -	0.602	-	-
Sulfate (as SO ₄)	mg/l	31.2 ± 0.278	- ± -	1.03	-	-
Total-P (as PO ₄)	mg/l	1.48 ± 0.0285	- ± -	0.111	-	-
Total hardness	mmol/l	2.48 ± 0.0362	- ± -	0.0745	-	-
Total nitrogen	mg/l	1.76 ± 0.0577	- ± -	0.146	-	-

Sample: N150ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.85 ± 0.0645	- ± -	0.185	-	-

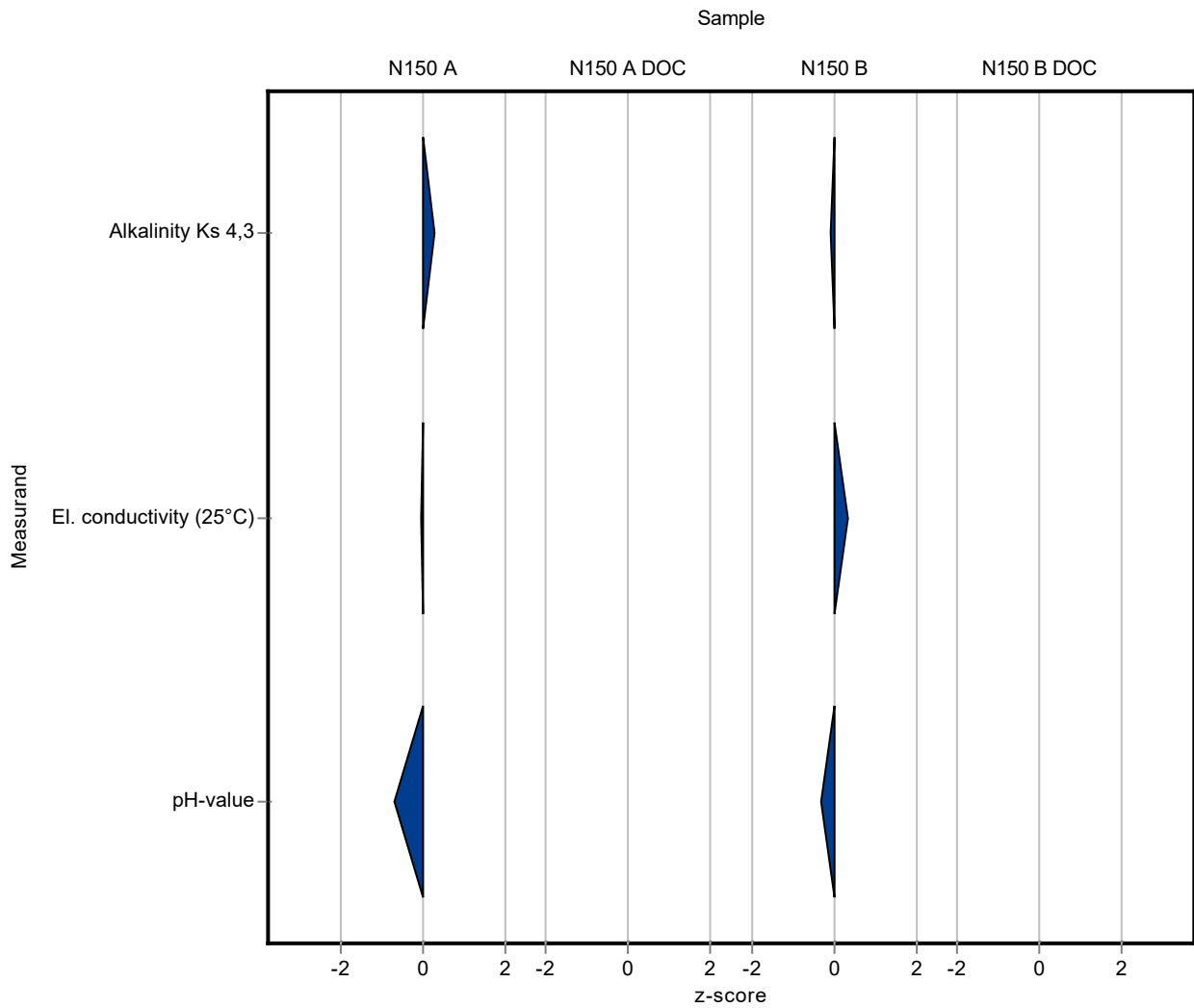
Sample: N150B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	2.74 ± 0.0137	2.73 ± 0.14	0.0547	99.8	-0.09
Ammonium (as NH ₄)	mg/l	0.321 ± 0.00634	- ± -	0.0385	-	-
Boron	mg/l	0.00948 ± 0.00044	- ± -	0.00104	-	-
Calcium	mg/l	48.2 ± 0.463	- ± -	1.5	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Chloride	mg/l	11.5 ± 0.13	- ± -	0.459	-	-
El. conductivity (25°C)	µS/cm	350 ± 1.44	352 ± 30	4.56	100	0.34
Hydrogen carbonate	mg/l	165 ± 1.09	- ± -	3.3	-	-
Magnesium	mg/l	10.9 ± 0.149	- ± -	0.435	-	-
Nitrate (as NO ₃)	mg/l	12 ± 0.174	- ± -	0.601	-	-
Nitrite (as NO ₂)	mg/l	0.221 ± 0.00316	- ± -	0.0117	-	-
Orthophosphate (as PO ₄)	mg/l	0.166 ± 0.00363	- ± -	0.0149	-	-
pH-value	-	7.74 ± 0.033	7.69 ± 0.04	0.155	99.4	-0.29
Potassium	mg/l	1.24 ± 0.0282	- ± -	0.0644	-	-
Sodium	mg/l	6.39 ± 0.087	- ± -	0.217	-	-
Sulfate (as SO ₄)	mg/l	18.3 ± 0.193	- ± -	0.603	-	-
Total-P (as PO ₄)	mg/l	0.7 ± 0.0182	- ± -	0.0525	-	-
Total hardness	mmol/l	1.68 ± 0.022	- ± -	0.0504	-	-
Total nitrogen	mg/l	3.1 ± 0.101	- ± -	0.258	-	-

Sample: N150BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.45 ± 0.0593	- ± -	0.245	-	-



Sample: N150A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	4.1 ± 0.0162	4.13 ± 0.2	0.0821	101	0.06
Ammonium (as NH ₄)	mg/l	0.0588 ± 0.0023	- ± -	0.00706	-	-
Boron	mg/l	0.0209 ± 0.000944	- ± -	0.0023	-	-
Calcium	mg/l	71.6 ± 0.691	- ± -	2.22	-	-
Chloride	mg/l	31 ± 0.209	- ± -	1.24	-	-
El. conductivity (25°C)	µS/cm	545 ± 2.62	545 ± 30	7.09	100	0.00
Hydrogen carbonate	mg/l	249 ± 1.82	- ± -	4.99	-	-
Magnesium	mg/l	16.2 ± 0.207	- ± -	0.648	-	-
Nitrate (as NO ₃)	mg/l	7.06 ± 0.16	- ± -	0.353	-	-
Nitrite (as NO ₂)	mg/l	0.202 ± 0.00286	- ± -	0.0107	-	-
Orthophosphate (as PO ₄)	mg/l	0.137 ± 0.00441	- ± -	0.0123	-	-
pH-value	-	7.77 ± 0.027	7.66 ± 0.04	0.155	98.6	-1.27
Potassium	mg/l	2.28 ± 0.0331	- ± -	0.118	-	-
Sodium	mg/l	17.7 ± 0.216	- ± -	0.602	-	-
Sulfate (as SO ₄)	mg/l	31.2 ± 0.278	- ± -	1.03	-	-
Total-P (as PO ₄)	mg/l	1.48 ± 0.0285	- ± -	0.111	-	-
Total hardness	mmol/l	2.48 ± 0.0362	- ± -	0.0745	-	-
Total nitrogen	mg/l	1.76 ± 0.0577	- ± -	0.146	-	-

Sample: N150ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.85 ± 0.0645	- ± -	0.185	-	-

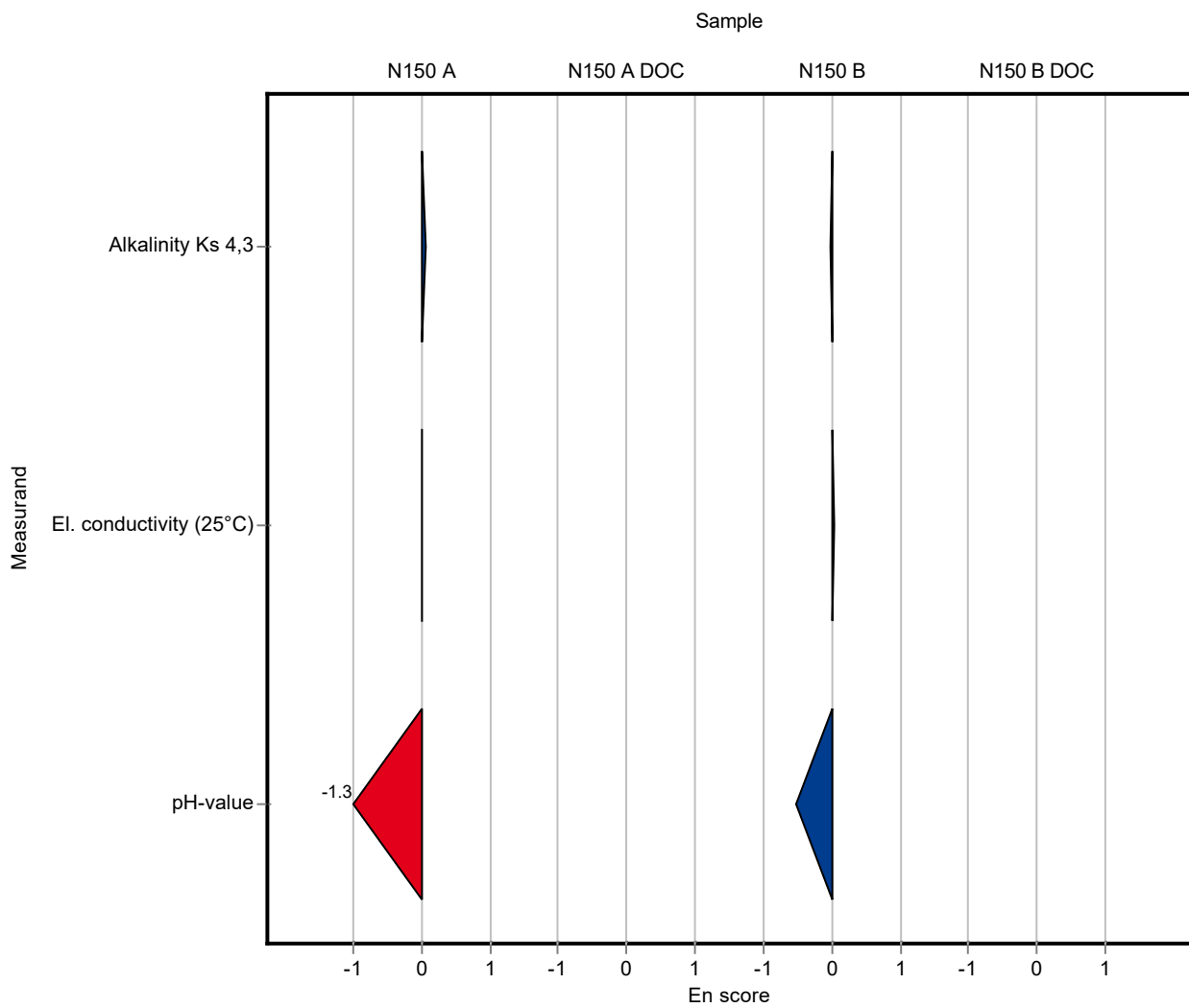
Sample: N150B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	2.74 ± 0.0137	2.73 ± 0.14	0.0547	99.8	-0.02
Ammonium (as NH ₄)	mg/l	0.321 ± 0.00634	- ± -	0.0385	-	-
Boron	mg/l	0.00948 ± 0.00044	- ± -	0.00104	-	-
Calcium	mg/l	48.2 ± 0.463	- ± -	1.5	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Chloride	mg/l	11.5 ± 0.13	- ± -	0.459	-	-
El. conductivity (25°C)	µS/cm	350 ± 1.44	352 ± 30	4.56	100	0.03
Hydrogen carbonate	mg/l	165 ± 1.09	- ± -	3.3	-	-
Magnesium	mg/l	10.9 ± 0.149	- ± -	0.435	-	-
Nitrate (as NO ₃)	mg/l	12 ± 0.174	- ± -	0.601	-	-
Nitrite (as NO ₂)	mg/l	0.221 ± 0.00316	- ± -	0.0117	-	-
Orthophosphate (as PO ₄)	mg/l	0.166 ± 0.00363	- ± -	0.0149	-	-
pH-value	-	7.74 ± 0.033	7.69 ± 0.04	0.155	99.4	-0.52
Potassium	mg/l	1.24 ± 0.0282	- ± -	0.0644	-	-
Sodium	mg/l	6.39 ± 0.087	- ± -	0.217	-	-
Sulfate (as SO ₄)	mg/l	18.3 ± 0.193	- ± -	0.603	-	-
Total-P (as PO ₄)	mg/l	0.7 ± 0.0182	- ± -	0.0525	-	-
Total hardness	mmol/l	1.68 ± 0.022	- ± -	0.0504	-	-
Total nitrogen	mg/l	3.1 ± 0.101	- ± -	0.258	-	-

Sample: N150BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	2.45 ± 0.0593	- ± -	0.245	-	-



Sample: N150A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	4.1 ± 0.0162	- ± -	0.0821	-	-
Ammonium (as NH ₄)	mg/l	0.0588 ± 0.0023	0.048 ± 0.003	0.00706	81.7	-1.53
Boron	mg/l	0.0209 ± 0.000944	0.02 ± 0.001	0.0023	95.5	-0.41
Calcium	mg/l	71.6 ± 0.691	71.26 ± 1.5	2.22	99.5	-0.17
Chloride	mg/l	31 ± 0.209	30.9 ± 1.5	1.24	99.7	-0.08
El. conductivity (25°C)	µS/cm	545 ± 2.62	550 ± 5.5	7.09	101	0.69
Hydrogen carbonate	mg/l	249 ± 1.82	- ± -	4.99	-	-
Magnesium	mg/l	16.2 ± 0.207	15.69 ± 0.8	0.648	96.8	-0.79
Nitrate (as NO ₃)	mg/l	7.06 ± 0.16	6.89 ± 0.35	0.353	97.6	-0.47
Nitrite (as NO ₂)	mg/l	0.202 ± 0.00286	0.2 ± 0.01	0.0107	99.2	-0.15
Orthophosphate (as PO ₄)	mg/l	0.137 ± 0.00441	0.0607 ± 0.004	0.0123	44.4	-6.18
pH-value	-	7.77 ± 0.027	8.13 ± 0.16	0.155	105	2.34
Potassium	mg/l	2.28 ± 0.0331	2.21 ± 0.1	0.118	97	-0.57
Sodium	mg/l	17.7 ± 0.216	17.86 ± 0.9	0.602	101	0.25
Sulfate (as SO ₄)	mg/l	31.2 ± 0.278	30.5 ± 1.5	1.03	97.8	-0.68
Total-P (as PO ₄)	mg/l	1.48 ± 0.0285	1.49 ± 0.05	0.111	100	0.05
Total hardness	mmol/l	2.48 ± 0.0362	2.39 ± 0.15	0.0745	96.2	-1.26
Total nitrogen	mg/l	1.76 ± 0.0577	1.69 ± 0.09	0.146	96	-0.48

Sample: N150ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.85 ± 0.0645	1.82 ± 0.09	0.185	98.3	-0.17

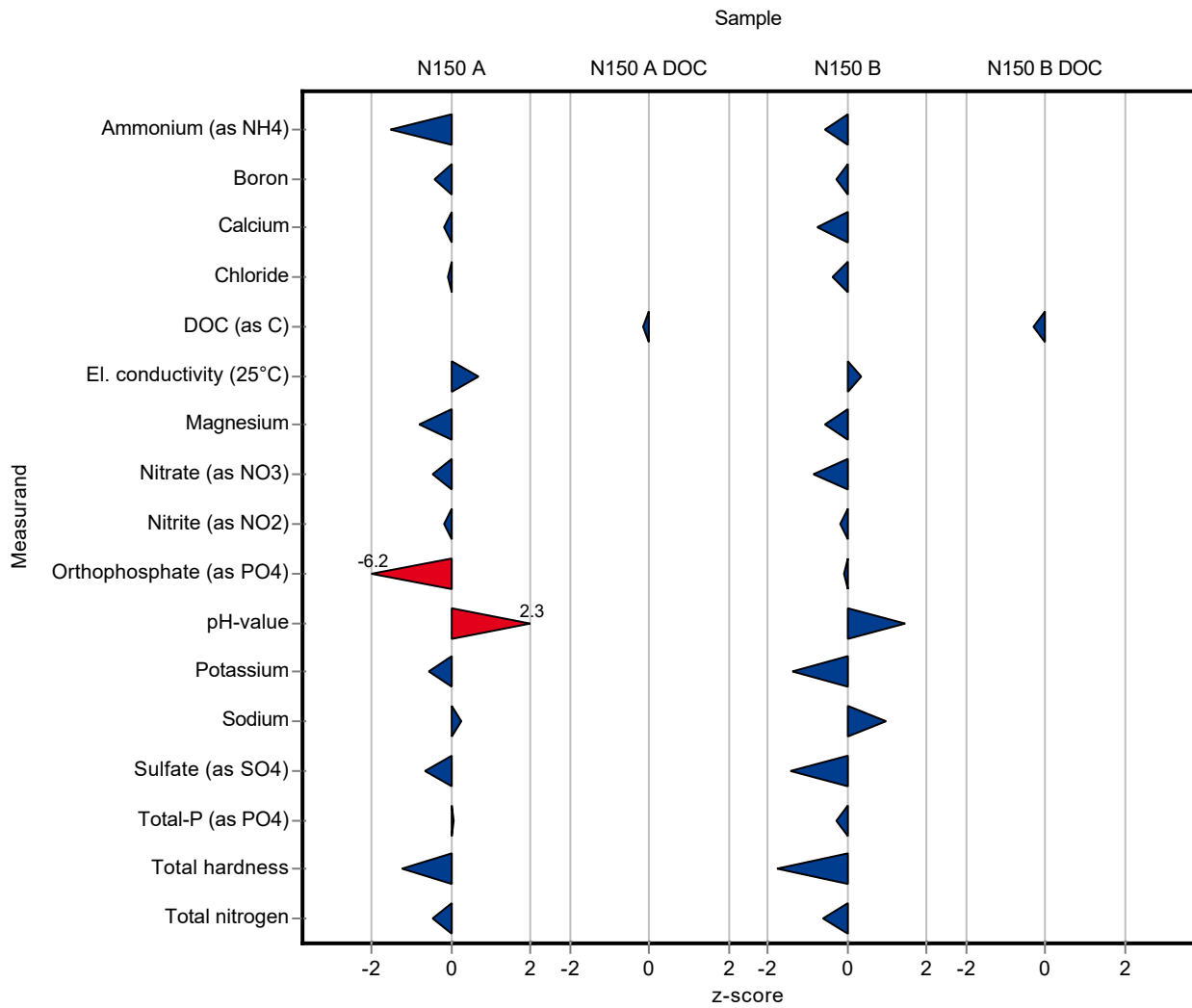
Sample: N150B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	2.74 ± 0.0137	- ± -	0.0547	-	-
Ammonium (as NH ₄)	mg/l	0.321 ± 0.00634	0.299 ± 0.021	0.0385	93.2	-0.56
Boron	mg/l	0.00948 ± 0.00044	0.0092 ± 0.0005	0.00104	97	-0.27
Calcium	mg/l	48.2 ± 0.463	47.12 ± 0.1	1.5	97.7	-0.74

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Chloride	mg/l	11.5 ± 0.13	11.3 ± 0.56	0.459	98.5	-0.38
El. conductivity (25°C)	µS/cm	350 ± 1.44	352 ± 3.5	4.56	100	0.34
Hydrogen carbonate	mg/l	165 ± 1.09	- ± -	3.3	-	-
Magnesium	mg/l	10.9 ± 0.149	10.64 ± 0.55	0.435	97.8	-0.56
Nitrate (as NO ₃)	mg/l	12 ± 0.174	11.5 ± 0.58	0.601	95.7	-0.86
Nitrite (as NO ₂)	mg/l	0.221 ± 0.00316	0.219 ± 0.011	0.0117	99.1	-0.16
Orthophosphate (as PO ₄)	mg/l	0.166 ± 0.00363	0.165 ± 0.012	0.0149	99.4	-0.07
pH-value	-	7.74 ± 0.033	7.96 ± 0.15	0.155	103	1.45
Potassium	mg/l	1.24 ± 0.0282	1.15 ± 0.06	0.0644	92.8	-1.38
Sodium	mg/l	6.39 ± 0.087	6.6 ± 0.35	0.217	103	0.96
Sulfate (as SO ₄)	mg/l	18.3 ± 0.193	17.4 ± 0.85	0.603	95.2	-1.46
Total-P (as PO ₄)	mg/l	0.7 ± 0.0182	0.685 ± 0.025	0.0525	97.8	-0.29
Total hardness	mmol/l	1.68 ± 0.022	1.59 ± 0.09	0.0504	94.6	-1.78
Total nitrogen	mg/l	3.1 ± 0.101	2.94 ± 0.15	0.258	94.7	-0.63

Sample: N150BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.45 ± 0.0593	2.37 ± 0.12	0.245	96.9	-0.31



Sample: N150A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	4.1 ± 0.0162	- ± -	0.0821	-	-
Ammonium (as NH ₄)	mg/l	0.0588 ± 0.0023	0.048 ± 0.003	0.00706	81.7	-1.68
Boron	mg/l	0.0209 ± 0.000944	0.02 ± 0.001	0.0023	95.5	-0.43
Calcium	mg/l	71.6 ± 0.691	71.26 ± 1.5	2.22	99.5	-0.12
Chloride	mg/l	31 ± 0.209	30.9 ± 1.5	1.24	99.7	-0.03
El. conductivity (25°C)	µS/cm	545 ± 2.62	550 ± 5.5	7.09	101	0.43
Hydrogen carbonate	mg/l	249 ± 1.82	- ± -	4.99	-	-
Magnesium	mg/l	16.2 ± 0.207	15.69 ± 0.8	0.648	96.8	-0.32
Nitrate (as NO ₃)	mg/l	7.06 ± 0.16	6.89 ± 0.35	0.353	97.6	-0.23
Nitrite (as NO ₂)	mg/l	0.202 ± 0.00286	0.2 ± 0.01	0.0107	99.2	-0.08
Orthophosphate (as PO ₄)	mg/l	0.137 ± 0.00441	0.0607 ± 0.004	0.0123	44.4	-8.32
pH-value	-	7.77 ± 0.027	8.13 ± 0.16	0.155	105	1.13
Potassium	mg/l	2.28 ± 0.0331	2.21 ± 0.1	0.118	97	-0.33
Sodium	mg/l	17.7 ± 0.216	17.86 ± 0.9	0.602	101	0.08
Sulfate (as SO ₄)	mg/l	31.2 ± 0.278	30.5 ± 1.5	1.03	97.8	-0.23
Total-P (as PO ₄)	mg/l	1.48 ± 0.0285	1.49 ± 0.05	0.111	100	0.06
Total hardness	mmol/l	2.48 ± 0.0362	2.39 ± 0.15	0.0745	96.2	-0.31
Total nitrogen	mg/l	1.76 ± 0.0577	1.69 ± 0.09	0.146	96	-0.37

Sample: N150ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.85 ± 0.0645	1.82 ± 0.09	0.185	98.3	-0.16

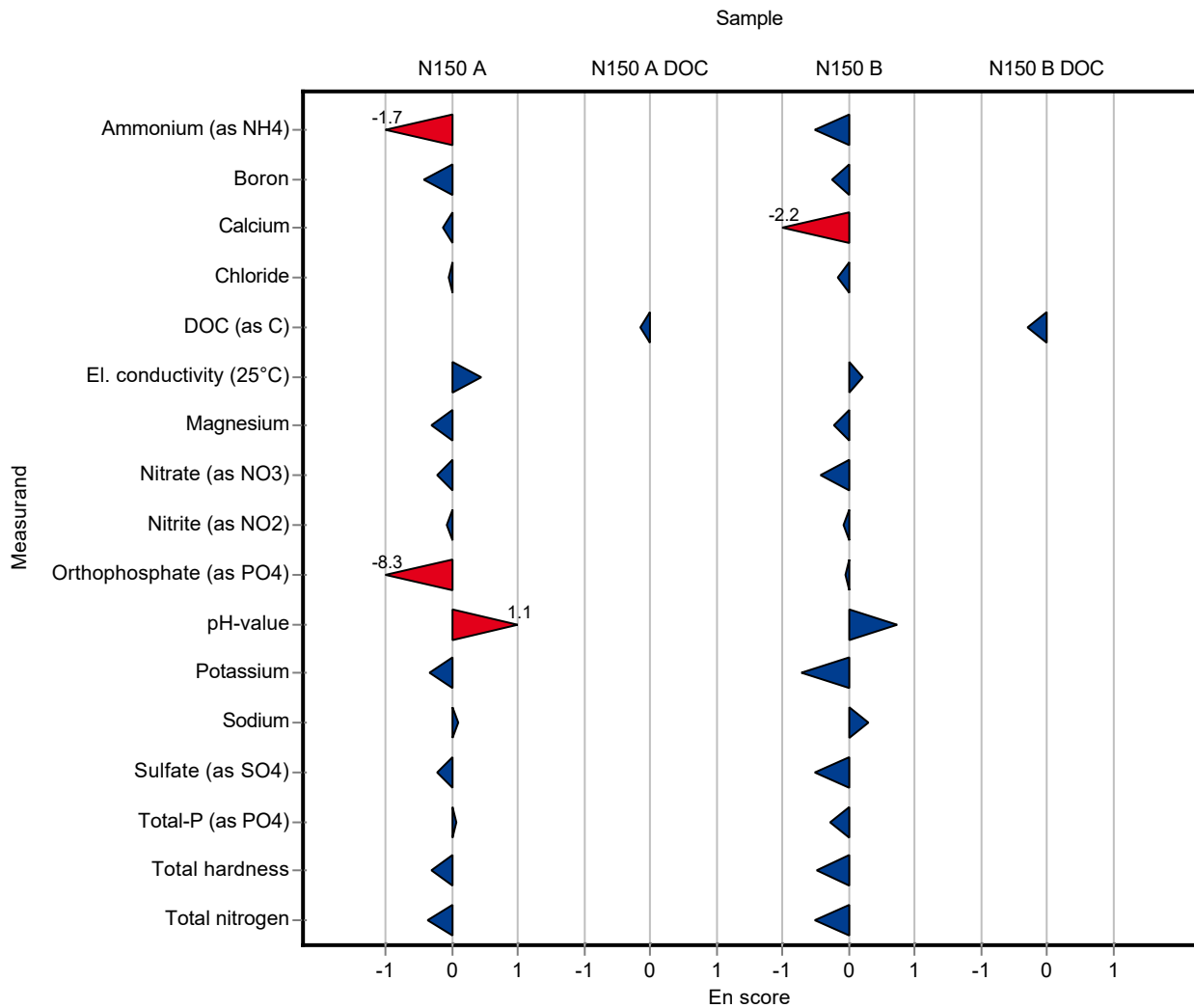
Sample: N150B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	2.74 ± 0.0137	- ± -	0.0547	-	-
Ammonium (as NH ₄)	mg/l	0.321 ± 0.00634	0.299 ± 0.021	0.0385	93.2	-0.51
Boron	mg/l	0.00948 ± 0.00044	0.0092 ± 0.0005	0.00104	97	-0.26
Calcium	mg/l	48.2 ± 0.463	47.12 ± 0.1	1.5	97.7	-2.21

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Chloride	mg/l	11.5 ± 0.13	11.3 ± 0.56	0.459	98.5	-0.16
El. conductivity (25°C)	µS/cm	350 ± 1.44	352 ± 3.5	4.56	100	0.21
Hydrogen carbonate	mg/l	165 ± 1.09	- ± -	3.3	-	-
Magnesium	mg/l	10.9 ± 0.149	10.64 ± 0.55	0.435	97.8	-0.22
Nitrate (as NO ₃)	mg/l	12 ± 0.174	11.5 ± 0.58	0.601	95.7	-0.44
Nitrite (as NO ₂)	mg/l	0.221 ± 0.00316	0.219 ± 0.011	0.0117	99.1	-0.08
Orthophosphate (as PO ₄)	mg/l	0.166 ± 0.00363	0.165 ± 0.012	0.0149	99.4	-0.04
pH-value	-	7.74 ± 0.033	7.96 ± 0.15	0.155	103	0.74
Potassium	mg/l	1.24 ± 0.0282	1.15 ± 0.06	0.0644	92.8	-0.72
Sodium	mg/l	6.39 ± 0.087	6.6 ± 0.35	0.217	103	0.29
Sulfate (as SO ₄)	mg/l	18.3 ± 0.193	17.4 ± 0.85	0.603	95.2	-0.51
Total-P (as PO ₄)	mg/l	0.7 ± 0.0182	0.685 ± 0.025	0.0525	97.8	-0.28
Total hardness	mmol/l	1.68 ± 0.022	1.59 ± 0.09	0.0504	94.6	-0.50
Total nitrogen	mg/l	3.1 ± 0.101	2.94 ± 0.15	0.258	94.7	-0.52

Sample: N150BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	2.45 ± 0.0593	2.37 ± 0.12	0.245	96.9	-0.31



Sample: N150A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	4.1 ± 0.0162	- ± -	0.0821	-	-
Ammonium (as NH ₄)	mg/l	0.0588 ± 0.0023	- ± -	0.00706	-	-
Boron	mg/l	0.0209 ± 0.000944	- ± -	0.0023	-	-
Calcium	mg/l	71.6 ± 0.691	- ± -	2.22	-	-
Chloride	mg/l	31 ± 0.209	- ± -	1.24	-	-
El. conductivity (25°C)	µS/cm	545 ± 2.62	536 ± 11	7.09	98.3	-1.29
Hydrogen carbonate	mg/l	249 ± 1.82	- ± -	4.99	-	-
Magnesium	mg/l	16.2 ± 0.207	- ± -	0.648	-	-
Nitrate (as NO ₃)	mg/l	7.06 ± 0.16	- ± -	0.353	-	-
Nitrite (as NO ₂)	mg/l	0.202 ± 0.00286	- ± -	0.0107	-	-
Orthophosphate (as PO ₄)	mg/l	0.137 ± 0.00441	- ± -	0.0123	-	-
pH-value	-	7.77 ± 0.027	7.7 ± 0.1	0.155	99.1	-0.43
Potassium	mg/l	2.28 ± 0.0331	- ± -	0.118	-	-
Sodium	mg/l	17.7 ± 0.216	- ± -	0.602	-	-
Sulfate (as SO ₄)	mg/l	31.2 ± 0.278	- ± -	1.03	-	-
Total-P (as PO ₄)	mg/l	1.48 ± 0.0285	- ± -	0.111	-	-
Total hardness	mmol/l	2.48 ± 0.0362	- ± -	0.0745	-	-
Total nitrogen	mg/l	1.76 ± 0.0577	- ± -	0.146	-	-

Sample: N150ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.85 ± 0.0645	- ± -	0.185	-	-

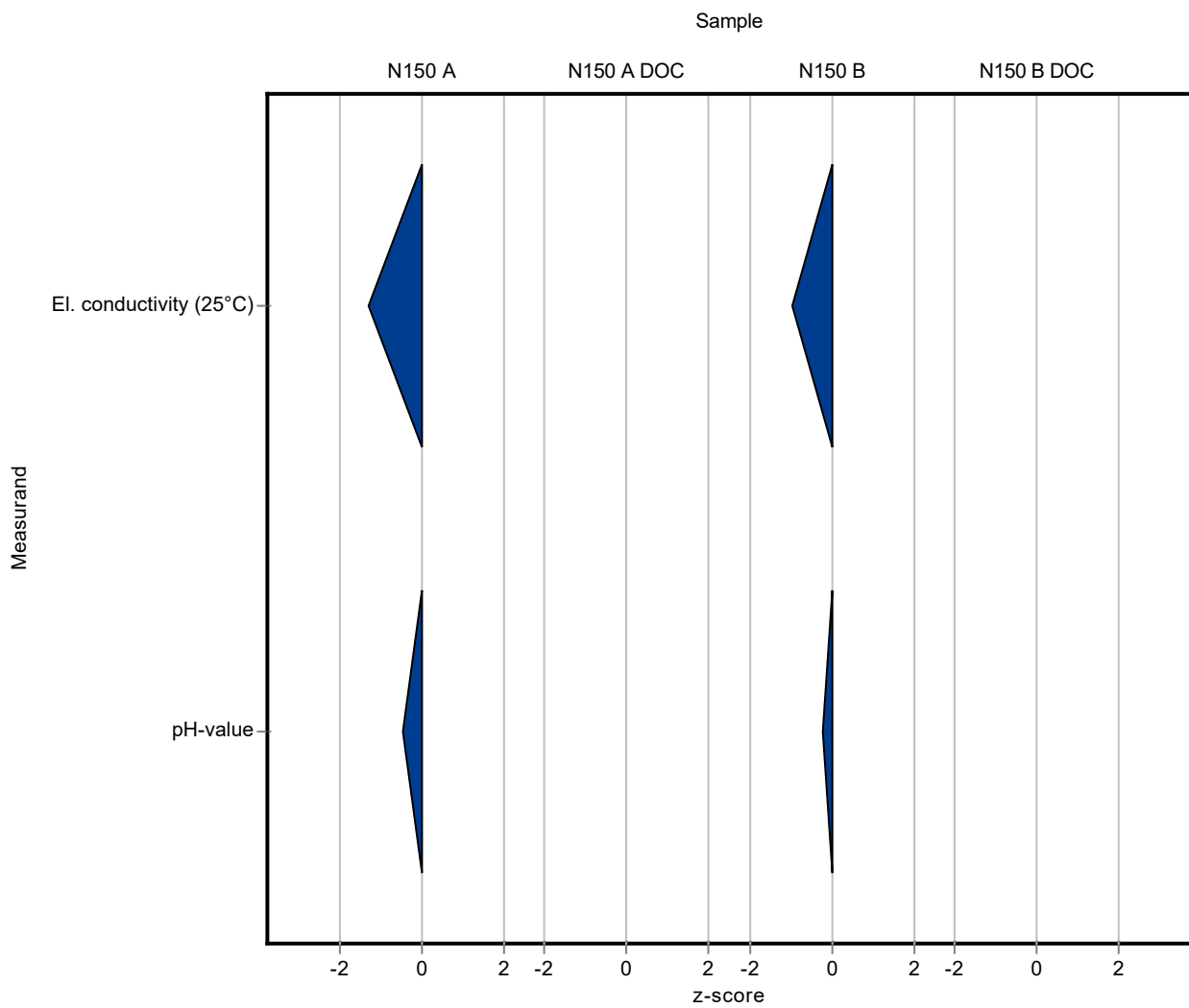
Sample: N150B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	2.74 ± 0.0137	- ± -	0.0547	-	-
Ammonium (as NH ₄)	mg/l	0.321 ± 0.00634	- ± -	0.0385	-	-
Boron	mg/l	0.00948 ± 0.00044	- ± -	0.00104	-	-
Calcium	mg/l	48.2 ± 0.463	- ± -	1.5	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Chloride	mg/l	11.5 ± 0.13	- ± -	0.459	-	-
El. conductivity (25°C)	µS/cm	350 ± 1.44	346 ± 7	4.56	98.7	-0.98
Hydrogen carbonate	mg/l	165 ± 1.09	- ± -	3.3	-	-
Magnesium	mg/l	10.9 ± 0.149	- ± -	0.435	-	-
Nitrate (as NO ₃)	mg/l	12 ± 0.174	- ± -	0.601	-	-
Nitrite (as NO ₂)	mg/l	0.221 ± 0.00316	- ± -	0.0117	-	-
Orthophosphate (as PO ₄)	mg/l	0.166 ± 0.00363	- ± -	0.0149	-	-
pH-value	-	7.74 ± 0.033	7.7 ± 0.1	0.155	99.5	-0.23
Potassium	mg/l	1.24 ± 0.0282	- ± -	0.0644	-	-
Sodium	mg/l	6.39 ± 0.087	- ± -	0.217	-	-
Sulfate (as SO ₄)	mg/l	18.3 ± 0.193	- ± -	0.603	-	-
Total-P (as PO ₄)	mg/l	0.7 ± 0.0182	- ± -	0.0525	-	-
Total hardness	mmol/l	1.68 ± 0.022	- ± -	0.0504	-	-
Total nitrogen	mg/l	3.1 ± 0.101	- ± -	0.258	-	-

Sample: N150BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.45 ± 0.0593	- ± -	0.245	-	-



Sample: N150A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	4.1 ± 0.0162	- ± -	0.0821	-	-
Ammonium (as NH4)	mg/l	0.0588 ± 0.0023	- ± -	0.00706	-	-
Boron	mg/l	0.0209 ± 0.000944	- ± -	0.0023	-	-
Calcium	mg/l	71.6 ± 0.691	- ± -	2.22	-	-
Chloride	mg/l	31 ± 0.209	- ± -	1.24	-	-
El. conductivity (25°C)	µS/cm	545 ± 2.62	536 ± 11	7.09	98.3	-0.41
Hydrogen carbonate	mg/l	249 ± 1.82	- ± -	4.99	-	-
Magnesium	mg/l	16.2 ± 0.207	- ± -	0.648	-	-
Nitrate (as NO3)	mg/l	7.06 ± 0.16	- ± -	0.353	-	-
Nitrite (as NO2)	mg/l	0.202 ± 0.00286	- ± -	0.0107	-	-
Orthophosphate (as PO4)	mg/l	0.137 ± 0.00441	- ± -	0.0123	-	-
pH-value	-	7.77 ± 0.027	7.7 ± 0.1	0.155	99.1	-0.33
Potassium	mg/l	2.28 ± 0.0331	- ± -	0.118	-	-
Sodium	mg/l	17.7 ± 0.216	- ± -	0.602	-	-
Sulfate (as SO4)	mg/l	31.2 ± 0.278	- ± -	1.03	-	-
Total-P (as PO4)	mg/l	1.48 ± 0.0285	- ± -	0.111	-	-
Total hardness	mmol/l	2.48 ± 0.0362	- ± -	0.0745	-	-
Total nitrogen	mg/l	1.76 ± 0.0577	- ± -	0.146	-	-

Sample: N150ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.85 ± 0.0645	- ± -	0.185	-	-

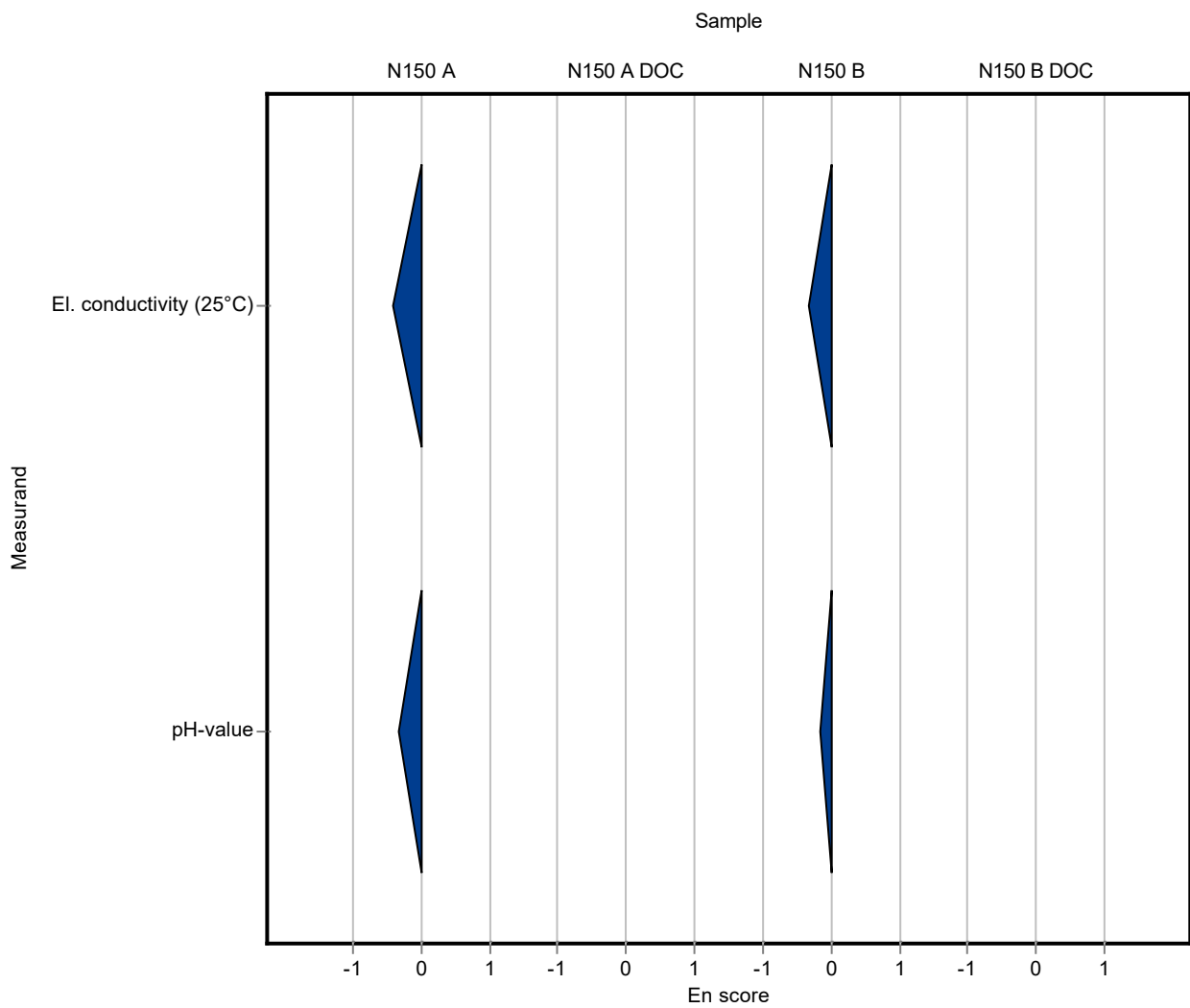
Sample: N150B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	2.74 ± 0.0137	- ± -	0.0547	-	-
Ammonium (as NH4)	mg/l	0.321 ± 0.00634	- ± -	0.0385	-	-
Boron	mg/l	0.00948 ± 0.00044	- ± -	0.00104	-	-
Calcium	mg/l	48.2 ± 0.463	- ± -	1.5	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Chloride	mg/l	11.5 ± 0.13	- ± -	0.459	-	-
El. conductivity (25°C)	µS/cm	350 ± 1.44	346 ± 7	4.56	98.7	-0.32
Hydrogen carbonate	mg/l	165 ± 1.09	- ± -	3.3	-	-
Magnesium	mg/l	10.9 ± 0.149	- ± -	0.435	-	-
Nitrate (as NO ₃)	mg/l	12 ± 0.174	- ± -	0.601	-	-
Nitrite (as NO ₂)	mg/l	0.221 ± 0.00316	- ± -	0.0117	-	-
Orthophosphate (as PO ₄)	mg/l	0.166 ± 0.00363	- ± -	0.0149	-	-
pH-value	-	7.74 ± 0.033	7.7 ± 0.1	0.155	99.5	-0.17
Potassium	mg/l	1.24 ± 0.0282	- ± -	0.0644	-	-
Sodium	mg/l	6.39 ± 0.087	- ± -	0.217	-	-
Sulfate (as SO ₄)	mg/l	18.3 ± 0.193	- ± -	0.603	-	-
Total-P (as PO ₄)	mg/l	0.7 ± 0.0182	- ± -	0.0525	-	-
Total hardness	mmol/l	1.68 ± 0.022	- ± -	0.0504	-	-
Total nitrogen	mg/l	3.1 ± 0.101	- ± -	0.258	-	-

Sample: N150BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	2.45 ± 0.0593	- ± -	0.245	-	-



Sample: N150A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	4.1 ± 0.0162	4.1 ± 0.2	0.0821	99.9	-0.05
Ammonium (as NH ₄)	mg/l	0.0588 ± 0.0023	0.0584 ± 0.0041	0.00706	99.4	-0.05
Boron	mg/l	0.0209 ± 0.000944	0.0222 ± 0.003	0.0023	106	0.54
Calcium	mg/l	71.6 ± 0.691	69.3 ± 3.2	2.22	96.7	-1.05
Chloride	mg/l	31 ± 0.209	30.3 ± 2	1.24	97.7	-0.57
El. conductivity (25°C)	µS/cm	545 ± 2.62	546 ± 16	7.09	100	0.13
Hydrogen carbonate	mg/l	249 ± 1.82	250 ± 12	4.99	100	0.12
Magnesium	mg/l	16.2 ± 0.207	15.3 ± 1.3	0.648	94.4	-1.39
Nitrate (as NO ₃)	mg/l	7.06 ± 0.16	6.9 ± 0.16	0.353	97.8	-0.45
Nitrite (as NO ₂)	mg/l	0.202 ± 0.00286	0.189 ± 0.013	0.0107	93.7	-1.18
Orthophosphate (as PO ₄)	mg/l	0.137 ± 0.00441	0.13 ± 0.009	0.0123	95.1	-0.54
pH-value	-	7.77 ± 0.027	7.92 ± 0.24	0.155	102	0.98
Potassium	mg/l	2.28 ± 0.0331	2.71 ± 0.19	0.118	119	3.65
Sodium	mg/l	17.7 ± 0.216	17 ± 1.2	0.602	96	-1.18
Sulfate (as SO ₄)	mg/l	31.2 ± 0.278	31.7 ± 1	1.03	102	0.49
Total-P (as PO ₄)	mg/l	1.48 ± 0.0285	1.53 ± 0.11	0.111	103	0.41
Total hardness	mmol/l	2.48 ± 0.0362	2.36 ± 0.19	0.0745	95	-1.66
Total nitrogen	mg/l	1.76 ± 0.0577	1.59 ± 0.26	0.146	90.3	-1.17

Sample: N150ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.85 ± 0.0645	1.79 ± 0.29	0.185	96.7	-0.33

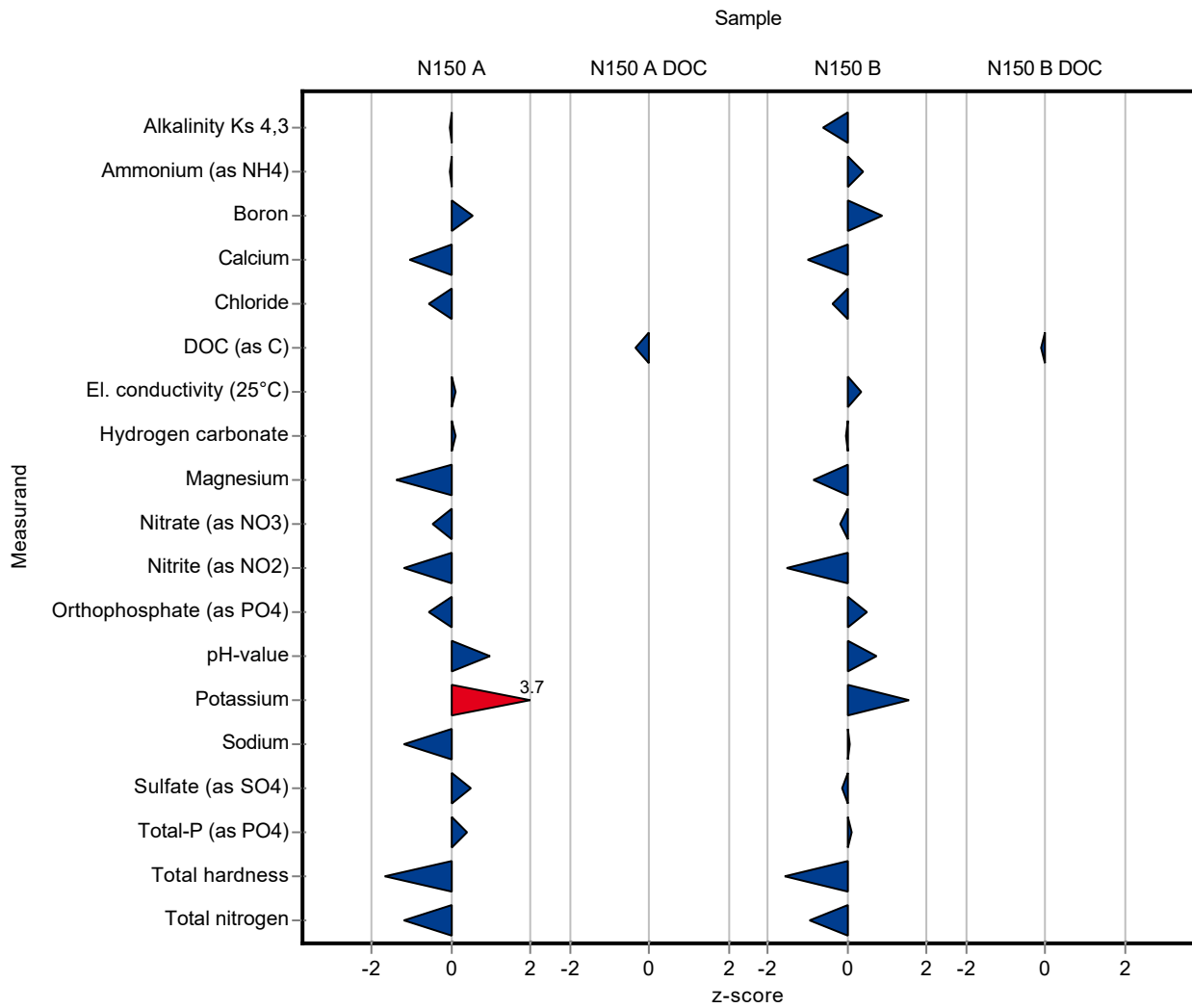
Sample: N150B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	2.74 ± 0.0137	2.7 ± 0.13	0.0547	98.7	-0.64
Ammonium (as NH ₄)	mg/l	0.321 ± 0.00634	0.336 ± 0.024	0.0385	105	0.40
Boron	mg/l	0.00948 ± 0.00044	0.0104 ± 0.0013	0.00104	110	0.88
Calcium	mg/l	48.2 ± 0.463	46.7 ± 2.1	1.5	96.8	-1.03

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Chloride	mg/l	11.5 ± 0.13	11.3 ± 0.76	0.459	98.5	-0.38
El. conductivity (25°C)	µS/cm	350 ± 1.44	352 ± 11	4.56	100	0.34
Hydrogen carbonate	mg/l	165 ± 1.09	165 ± 7.9	3.3	100	-0.01
Magnesium	mg/l	10.9 ± 0.149	10.5 ± 0.87	0.435	96.5	-0.88
Nitrate (as NO ₃)	mg/l	12 ± 0.174	11.9 ± 0.28	0.601	99	-0.20
Nitrite (as NO ₂)	mg/l	0.221 ± 0.00316	0.203 ± 0.014	0.0117	91.9	-1.53
Orthophosphate (as PO ₄)	mg/l	0.166 ± 0.00363	0.173 ± 0.012	0.0149	104	0.47
pH-value	-	7.74 ± 0.033	7.85 ± 0.24	0.155	101	0.74
Potassium	mg/l	1.24 ± 0.0282	1.34 ± 0.096	0.0644	108	1.56
Sodium	mg/l	6.39 ± 0.087	6.41 ± 0.45	0.217	100	0.08
Sulfate (as SO ₄)	mg/l	18.3 ± 0.193	18.2 ± 0.6	0.603	99.6	-0.13
Total-P (as PO ₄)	mg/l	0.7 ± 0.0182	0.706 ± 0.049	0.0525	101	0.11
Total hardness	mmol/l	1.68 ± 0.022	1.6 ± 0.13	0.0504	95.2	-1.59
Total nitrogen	mg/l	3.1 ± 0.101	2.86 ± 0.47	0.258	92.2	-0.94

Sample: N150BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.45 ± 0.0593	2.42 ± 0.39	0.245	98.9	-0.11



Sample: N150A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	4.1 ± 0.0162	4.1 ± 0.2	0.0821	99.9	-0.01
Ammonium (as NH4)	mg/l	0.0588 ± 0.0023	0.0584 ± 0.0041	0.00706	99.4	-0.04
Boron	mg/l	0.0209 ± 0.000944	0.0222 ± 0.003	0.0023	106	0.21
Calcium	mg/l	71.6 ± 0.691	69.3 ± 3.2	2.22	96.7	-0.36
Chloride	mg/l	31 ± 0.209	30.3 ± 2	1.24	97.7	-0.18
El. conductivity (25°C)	µS/cm	545 ± 2.62	546 ± 16	7.09	100	0.03
Hydrogen carbonate	mg/l	249 ± 1.82	250 ± 12	4.99	100	0.02
Magnesium	mg/l	16.2 ± 0.207	15.3 ± 1.3	0.648	94.4	-0.35
Nitrate (as NO3)	mg/l	7.06 ± 0.16	6.9 ± 0.16	0.353	97.8	-0.44
Nitrite (as NO2)	mg/l	0.202 ± 0.00286	0.189 ± 0.013	0.0107	93.7	-0.48
Orthophosphate (as PO4)	mg/l	0.137 ± 0.00441	0.13 ± 0.009	0.0123	95.1	-0.36
pH-value	-	7.77 ± 0.027	7.92 ± 0.24	0.155	102	0.32
Potassium	mg/l	2.28 ± 0.0331	2.71 ± 0.19	0.118	119	1.13
Sodium	mg/l	17.7 ± 0.216	17 ± 1.2	0.602	96	-0.29
Sulfate (as SO4)	mg/l	31.2 ± 0.278	31.7 ± 1	1.03	102	0.25
Total-P (as PO4)	mg/l	1.48 ± 0.0285	1.53 ± 0.11	0.111	103	0.21
Total hardness	mmol/l	2.48 ± 0.0362	2.36 ± 0.19	0.0745	95	-0.33
Total nitrogen	mg/l	1.76 ± 0.0577	1.59 ± 0.26	0.146	90.3	-0.33

Sample: N150ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.85 ± 0.0645	1.79 ± 0.29	0.185	96.7	-0.10

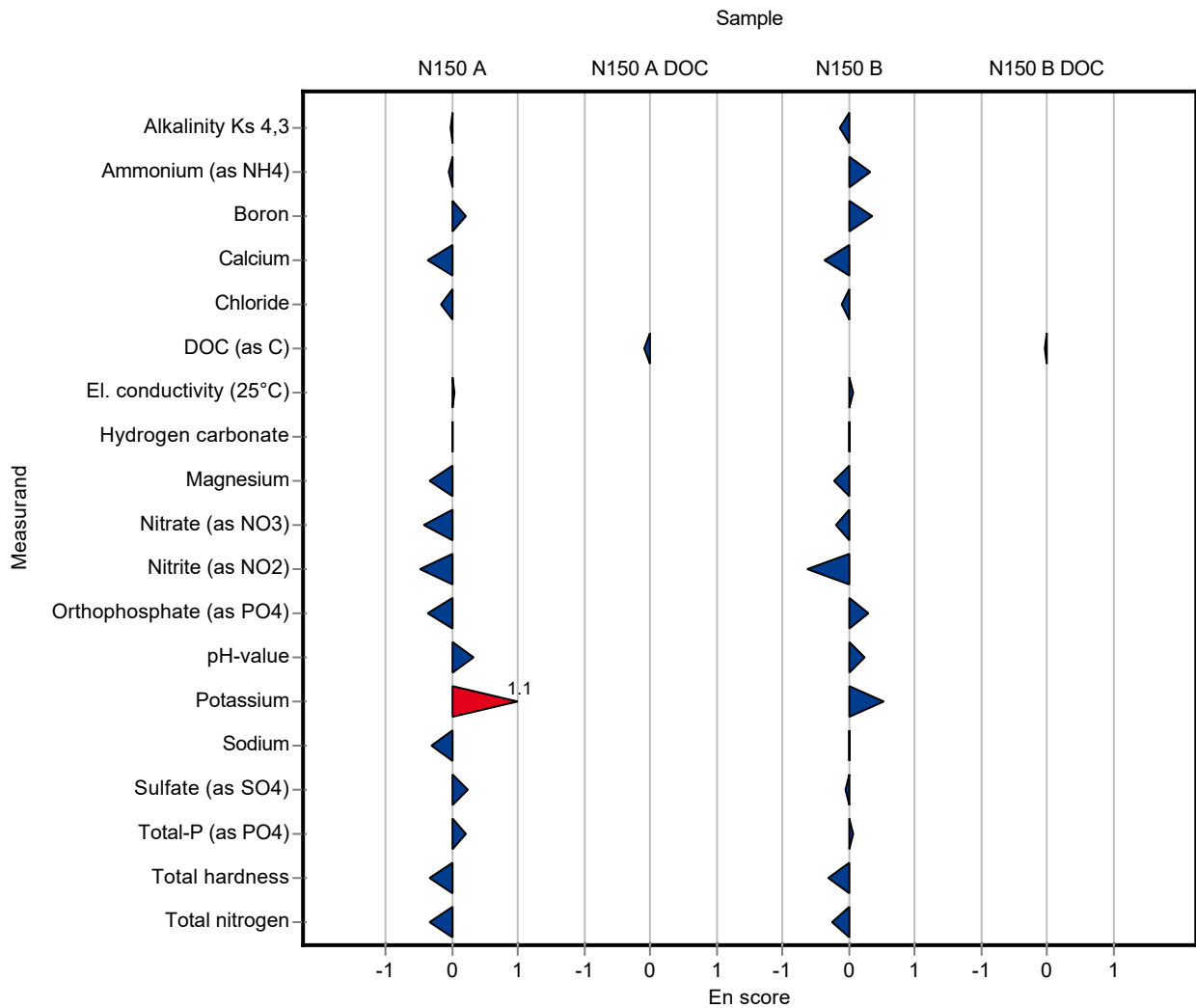
Sample: N150B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	2.74 ± 0.0137	2.7 ± 0.13	0.0547	98.7	-0.14
Ammonium (as NH4)	mg/l	0.321 ± 0.00634	0.336 ± 0.024	0.0385	105	0.32
Boron	mg/l	0.00948 ± 0.00044	0.0104 ± 0.0013	0.00104	110	0.35
Calcium	mg/l	48.2 ± 0.463	46.7 ± 2.1	1.5	96.8	-0.36

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Chloride	mg/l	11.5 ± 0.13	11.3 ± 0.76	0.459	98.5	-0.12
El. conductivity (25°C)	µS/cm	350 ± 1.44	352 ± 11	4.56	100	0.07
Hydrogen carbonate	mg/l	165 ± 1.09	165 ± 7.9	3.3	100	0.00
Magnesium	mg/l	10.9 ± 0.149	10.5 ± 0.87	0.435	96.5	-0.22
Nitrate (as NO ₃)	mg/l	12 ± 0.174	11.9 ± 0.28	0.601	99	-0.20
Nitrite (as NO ₂)	mg/l	0.221 ± 0.00316	0.203 ± 0.014	0.0117	91.9	-0.64
Orthophosphate (as PO ₄)	mg/l	0.166 ± 0.00363	0.173 ± 0.012	0.0149	104	0.29
pH-value	-	7.74 ± 0.033	7.85 ± 0.24	0.155	101	0.24
Potassium	mg/l	1.24 ± 0.0282	1.34 ± 0.096	0.0644	108	0.52
Sodium	mg/l	6.39 ± 0.087	6.41 ± 0.45	0.217	100	0.02
Sulfate (as SO ₄)	mg/l	18.3 ± 0.193	18.2 ± 0.6	0.603	99.6	-0.06
Total-P (as PO ₄)	mg/l	0.7 ± 0.0182	0.706 ± 0.049	0.0525	101	0.06
Total hardness	mmol/l	1.68 ± 0.022	1.6 ± 0.13	0.0504	95.2	-0.31
Total nitrogen	mg/l	3.1 ± 0.101	2.86 ± 0.47	0.258	92.2	-0.26

Sample: N150BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	2.45 ± 0.0593	2.42 ± 0.39	0.245	98.9	-0.03



Sample: N150A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	4.1 ± 0.0162	4.02 ± 0.603	0.0821	97.9	-1.03
Ammonium (as NH ₄)	mg/l	0.0588 ± 0.0023	0.053 ± 0.0053	0.00706	90.2	-0.82
Boron	mg/l	0.0209 ± 0.000944	0.026 ± 0.0031	0.0023	124	2.19
Calcium	mg/l	71.6 ± 0.691	72.17 ± 2.887	2.22	101	0.24
Chloride	mg/l	31 ± 0.209	31.85 ± 1.274	1.24	103	0.68
El. conductivity (25°C)	µS/cm	545 ± 2.62	530 ± 21.2	7.09	97.2	-2.13
Hydrogen carbonate	mg/l	249 ± 1.82	245.3 ± 36.79	4.99	98.3	-0.83
Magnesium	mg/l	16.2 ± 0.207	16.49 ± 0.989	0.648	102	0.45
Nitrate (as NO ₃)	mg/l	7.06 ± 0.16	4.033 ± 0.1613	0.353	57.1	-8.57
Nitrite (as NO ₂)	mg/l	0.202 ± 0.00286	0.191 ± 0.0153	0.0107	94.7	-1.00
Orthophosphate (as PO ₄)	mg/l	0.137 ± 0.00441	0.124 ± 0.0149	0.0123	90.7	-1.03
pH-value	-	7.77 ± 0.027	7.7 ± 0.46	0.155	99.1	-0.43
Potassium	mg/l	2.28 ± 0.0331	2.43 ± 0.243	0.118	107	1.29
Sodium	mg/l	17.7 ± 0.216	17.59 ± 1.055	0.602	99.3	-0.20
Sulfate (as SO ₄)	mg/l	31.2 ± 0.278	33.13 ± 1.988	1.03	106	1.88
Total-P (as PO ₄)	mg/l	1.48 ± 0.0285	1.3031 ± 0.1956	0.111	87.8	-1.62
Total hardness	mmol/l	2.48 ± 0.0362	2.48 ± 0.248	0.0745	99.8	-0.05
Total nitrogen	mg/l	1.76 ± 0.0577	1.01 ± 0.101	0.146	57.4	-5.14

Sample: N150ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.85 ± 0.0645	1.9 ± 0.15	0.185	103	0.26

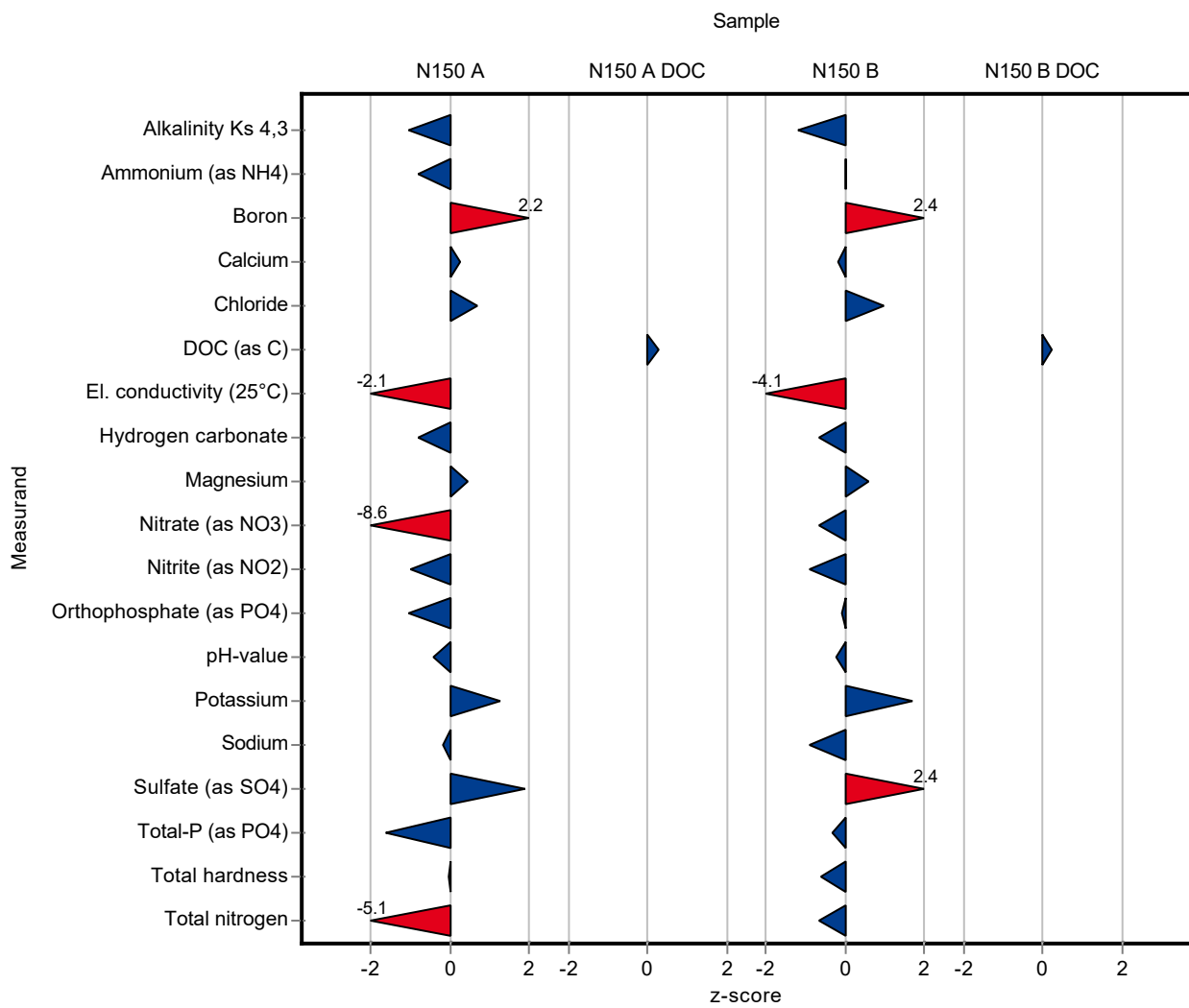
Sample: N150B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	2.74 ± 0.0137	2.67 ± 0.401	0.0547	97.6	-1.19
Ammonium (as NH ₄)	mg/l	0.321 ± 0.00634	0.322 ± 0.0322	0.0385	100	0.03
Boron	mg/l	0.00948 ± 0.00044	0.012 ± 0.0014	0.00104	127	2.41
Calcium	mg/l	48.2 ± 0.463	47.96 ± 1.918	1.5	99.4	-0.18

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Chloride	mg/l	11.5 ± 0.13	11.93 ± 0.477	0.459	104	0.99
El. conductivity (25°C)	µS/cm	350 ± 1.44	332 ± 13.3	4.56	94.7	-4.05
Hydrogen carbonate	mg/l	165 ± 1.09	162.9 ± 24.44	3.3	98.7	-0.65
Magnesium	mg/l	10.9 ± 0.149	11.14 ± 0.668	0.435	102	0.59
Nitrate (as NO ₃)	mg/l	12 ± 0.174	11.607 ± 0.4643	0.601	96.6	-0.69
Nitrite (as NO ₂)	mg/l	0.221 ± 0.00316	0.21 ± 0.0168	0.0117	95.1	-0.93
Orthophosphate (as PO ₄)	mg/l	0.166 ± 0.00363	0.165 ± 0.0198	0.0149	99.4	-0.07
pH-value	-	7.74 ± 0.033	7.7 ± 0.46	0.155	99.5	-0.23
Potassium	mg/l	1.24 ± 0.0282	1.35 ± 0.135	0.0644	109	1.72
Sodium	mg/l	6.39 ± 0.087	6.2 ± 0.372	0.217	97	-0.89
Sulfate (as SO ₄)	mg/l	18.3 ± 0.193	19.74 ± 1.184	0.603	108	2.42
Total-P (as PO ₄)	mg/l	0.7 ± 0.0182	0.6837 ± 0.1027	0.0525	97.7	-0.31
Total hardness	mmol/l	1.68 ± 0.022	1.65 ± 0.165	0.0504	98.2	-0.59
Total nitrogen	mg/l	3.1 ± 0.101	2.936 ± 0.2936	0.258	94.6	-0.65

Sample: N150BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.45 ± 0.0593	2.5 ± 0.2	0.245	102	0.22



Sample: N150A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	4.1 ± 0.0162	4.02 ± 0.603	0.0821	97.9	-0.07
Ammonium (as NH ₄)	mg/l	0.0588 ± 0.0023	0.053 ± 0.0053	0.00706	90.2	-0.53
Boron	mg/l	0.0209 ± 0.000944	0.026 ± 0.0031	0.0023	124	0.81
Calcium	mg/l	71.6 ± 0.691	72.17 ± 2.887	2.22	101	0.09
Chloride	mg/l	31 ± 0.209	31.85 ± 1.274	1.24	103	0.33
El. conductivity (25°C)	µS/cm	545 ± 2.62	530 ± 21.2	7.09	97.2	-0.36
Hydrogen carbonate	mg/l	249 ± 1.82	245.3 ± 36.79	4.99	98.3	-0.06
Magnesium	mg/l	16.2 ± 0.207	16.49 ± 0.989	0.648	102	0.14
Nitrate (as NO ₃)	mg/l	7.06 ± 0.16	4.033 ± 0.1613	0.353	57.1	-8.39
Nitrite (as NO ₂)	mg/l	0.202 ± 0.00286	0.191 ± 0.0153	0.0107	94.7	-0.35
Orthophosphate (as PO ₄)	mg/l	0.137 ± 0.00441	0.124 ± 0.0149	0.0123	90.7	-0.42
pH-value	-	7.77 ± 0.027	7.7 ± 0.46	0.155	99.1	-0.07
Potassium	mg/l	2.28 ± 0.0331	2.43 ± 0.243	0.118	107	0.31
Sodium	mg/l	17.7 ± 0.216	17.59 ± 1.055	0.602	99.3	-0.06
Sulfate (as SO ₄)	mg/l	31.2 ± 0.278	33.13 ± 1.988	1.03	106	0.48
Total-P (as PO ₄)	mg/l	1.48 ± 0.0285	1.3031 ± 0.1956	0.111	87.8	-0.46
Total hardness	mmol/l	2.48 ± 0.0362	2.48 ± 0.248	0.0745	99.8	-0.01
Total nitrogen	mg/l	1.76 ± 0.0577	1.01 ± 0.101	0.146	57.4	-3.57

Sample: N150ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.85 ± 0.0645	1.9 ± 0.15	0.185	103	0.16

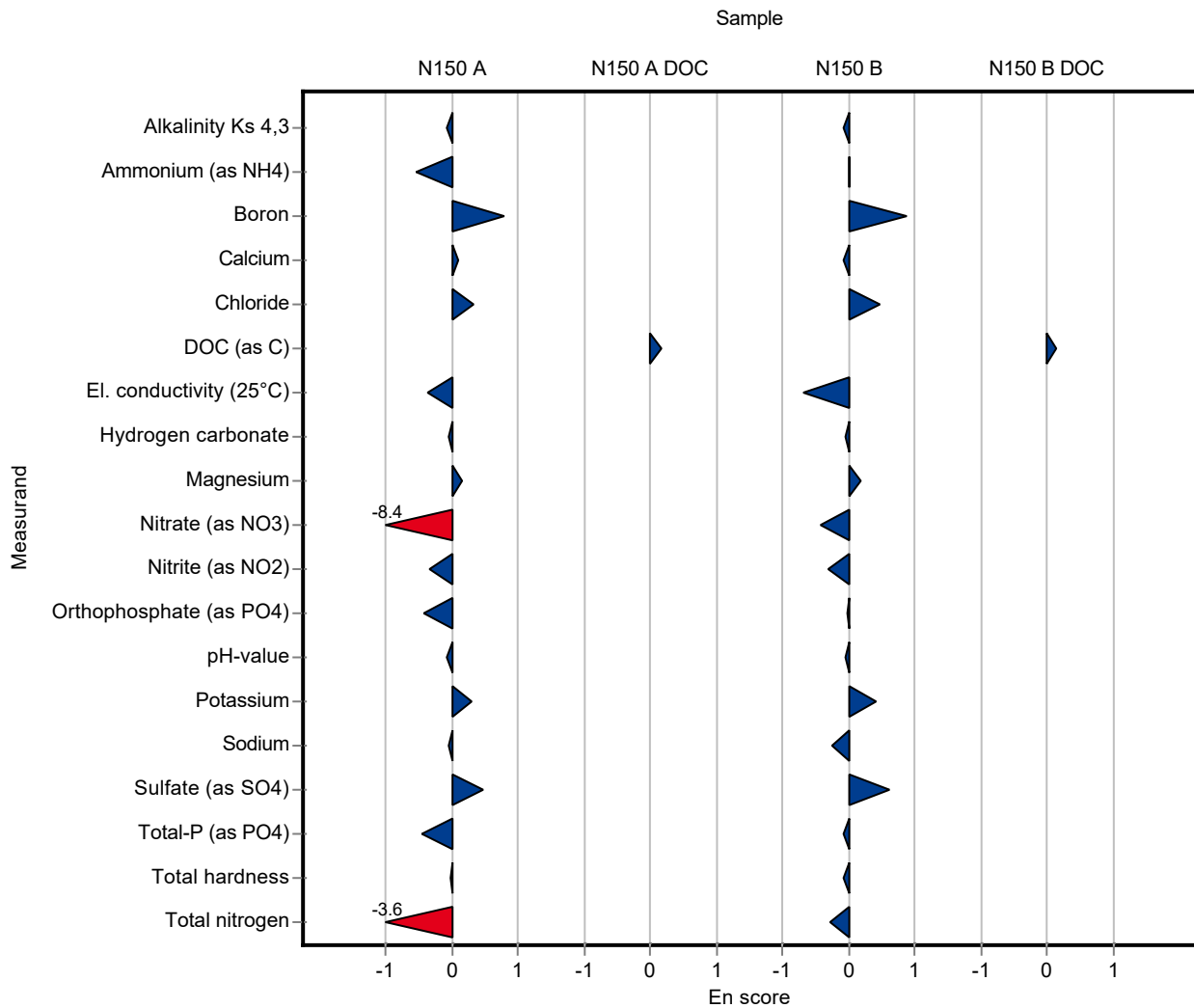
Sample: N150B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	2.74 ± 0.0137	2.67 ± 0.401	0.0547	97.6	-0.08
Ammonium (as NH ₄)	mg/l	0.321 ± 0.00634	0.322 ± 0.0322	0.0385	100	0.02
Boron	mg/l	0.00948 ± 0.00044	0.012 ± 0.0014	0.00104	127	0.89
Calcium	mg/l	48.2 ± 0.463	47.96 ± 1.918	1.5	99.4	-0.07

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Chloride	mg/l	11.5 ± 0.13	11.93 ± 0.477	0.459	104	0.47
El. conductivity (25°C)	µS/cm	350 ± 1.44	332 ± 13.3	4.56	94.7	-0.69
Hydrogen carbonate	mg/l	165 ± 1.09	162.9 ± 24.44	3.3	98.7	-0.04
Magnesium	mg/l	10.9 ± 0.149	11.14 ± 0.668	0.435	102	0.19
Nitrate (as NO ₃)	mg/l	12 ± 0.174	11.607 ± 0.4643	0.601	96.6	-0.43
Nitrite (as NO ₂)	mg/l	0.221 ± 0.00316	0.21 ± 0.0168	0.0117	95.1	-0.32
Orthophosphate (as PO ₄)	mg/l	0.166 ± 0.00363	0.165 ± 0.0198	0.0149	99.4	-0.02
pH-value	-	7.74 ± 0.033	7.7 ± 0.46	0.155	99.5	-0.04
Potassium	mg/l	1.24 ± 0.0282	1.35 ± 0.135	0.0644	109	0.41
Sodium	mg/l	6.39 ± 0.087	6.2 ± 0.372	0.217	97	-0.26
Sulfate (as SO ₄)	mg/l	18.3 ± 0.193	19.74 ± 1.184	0.603	108	0.61
Total-P (as PO ₄)	mg/l	0.7 ± 0.0182	0.6837 ± 0.1027	0.0525	97.7	-0.08
Total hardness	mmol/l	1.68 ± 0.022	1.65 ± 0.165	0.0504	98.2	-0.09
Total nitrogen	mg/l	3.1 ± 0.101	2.936 ± 0.2936	0.258	94.6	-0.28

Sample: N150BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	2.45 ± 0.0593	2.5 ± 0.2	0.245	102	0.13



Sample: N150A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	4.1 ± 0.0162	3.85 ± 0.02	0.0821	93.8	-3.10
Ammonium (as NH ₄)	mg/l	0.0588 ± 0.0023	- ± -	0.00706	-	-
Boron	mg/l	0.0209 ± 0.000944	- ± -	0.0023	-	-
Calcium	mg/l	71.6 ± 0.691	- ± -	2.22	-	-
Chloride	mg/l	31 ± 0.209	- ± -	1.24	-	-
El. conductivity (25°C)	µS/cm	545 ± 2.62	- ± -	7.09	-	-
Hydrogen carbonate	mg/l	249 ± 1.82	- ± -	4.99	-	-
Magnesium	mg/l	16.2 ± 0.207	- ± -	0.648	-	-
Nitrate (as NO ₃)	mg/l	7.06 ± 0.16	- ± -	0.353	-	-
Nitrite (as NO ₂)	mg/l	0.202 ± 0.00286	- ± -	0.0107	-	-
Orthophosphate (as PO ₄)	mg/l	0.137 ± 0.00441	- ± -	0.0123	-	-
pH-value	-	7.77 ± 0.027	- ± -	0.155	-	-
Potassium	mg/l	2.28 ± 0.0331	- ± -	0.118	-	-
Sodium	mg/l	17.7 ± 0.216	- ± -	0.602	-	-
Sulfate (as SO ₄)	mg/l	31.2 ± 0.278	- ± -	1.03	-	-
Total-P (as PO ₄)	mg/l	1.48 ± 0.0285	- ± -	0.111	-	-
Total hardness	mmol/l	2.48 ± 0.0362	- ± -	0.0745	-	-
Total nitrogen	mg/l	1.76 ± 0.0577	- ± -	0.146	-	-

Sample: N150ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.85 ± 0.0645	- ± -	0.185	-	-

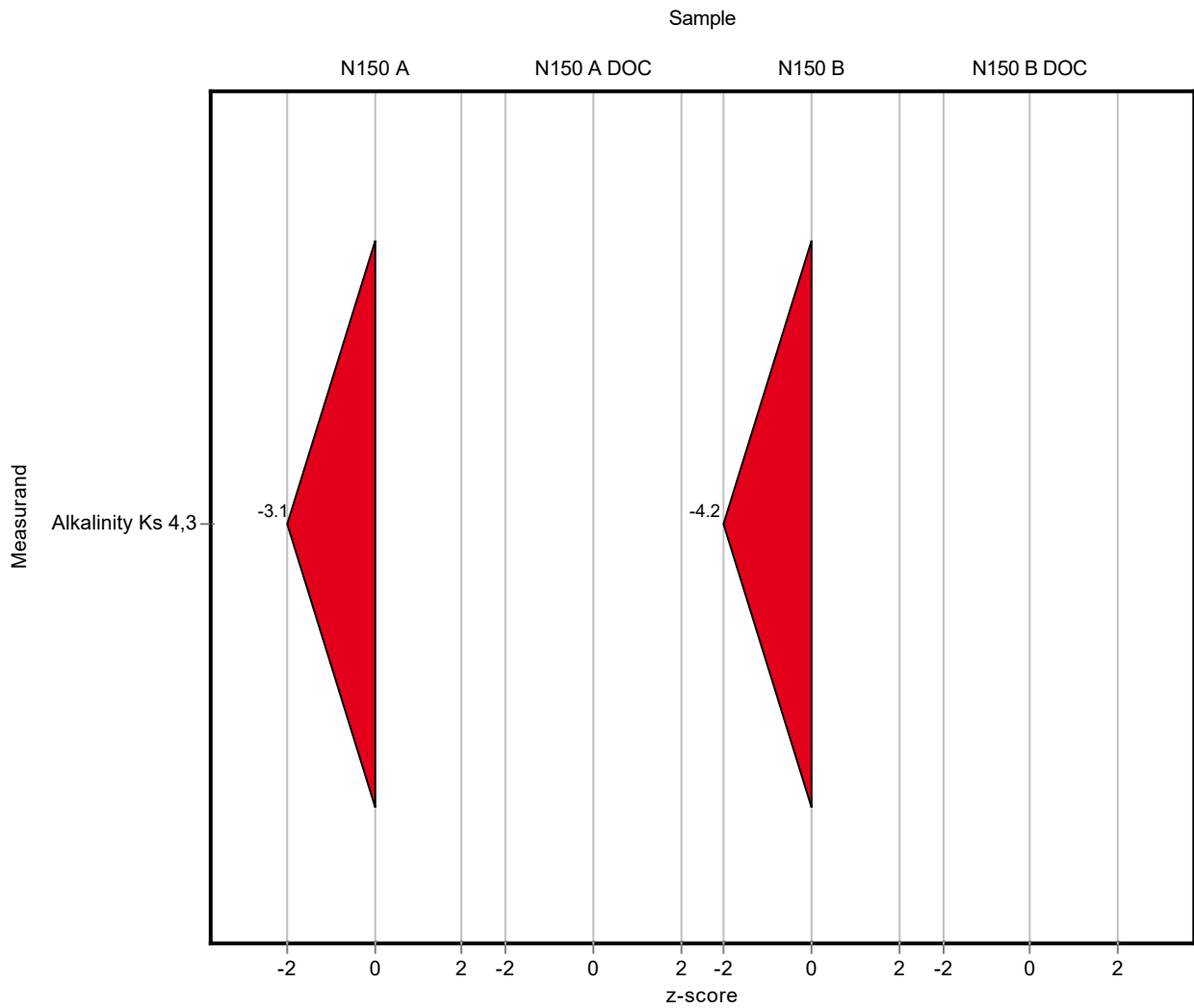
Sample: N150B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	2.74 ± 0.0137	2.505 ± 0.013	0.0547	91.6	-4.21
Ammonium (as NH ₄)	mg/l	0.321 ± 0.00634	- ± -	0.0385	-	-
Boron	mg/l	0.00948 ± 0.00044	- ± -	0.00104	-	-
Calcium	mg/l	48.2 ± 0.463	- ± -	1.5	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Chloride	mg/l	11.5 ± 0.13	- ± -	0.459	-	-
El. conductivity (25°C)	µS/cm	350 ± 1.44	- ± -	4.56	-	-
Hydrogen carbonate	mg/l	165 ± 1.09	- ± -	3.3	-	-
Magnesium	mg/l	10.9 ± 0.149	- ± -	0.435	-	-
Nitrate (as NO ₃)	mg/l	12 ± 0.174	- ± -	0.601	-	-
Nitrite (as NO ₂)	mg/l	0.221 ± 0.00316	- ± -	0.0117	-	-
Orthophosphate (as PO ₄)	mg/l	0.166 ± 0.00363	- ± -	0.0149	-	-
pH-value	-	7.74 ± 0.033	- ± -	0.155	-	-
Potassium	mg/l	1.24 ± 0.0282	- ± -	0.0644	-	-
Sodium	mg/l	6.39 ± 0.087	- ± -	0.217	-	-
Sulfate (as SO ₄)	mg/l	18.3 ± 0.193	- ± -	0.603	-	-
Total-P (as PO ₄)	mg/l	0.7 ± 0.0182	- ± -	0.0525	-	-
Total hardness	mmol/l	1.68 ± 0.022	- ± -	0.0504	-	-
Total nitrogen	mg/l	3.1 ± 0.101	- ± -	0.258	-	-

Sample: N150BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.45 ± 0.0593	- ± -	0.245	-	-



Sample: N150A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	4.1 ± 0.0162	3.85 ± 0.02	0.0821	93.8	-5.89
Ammonium (as NH4)	mg/l	0.0588 ± 0.0023	- ± -	0.00706	-	-
Boron	mg/l	0.0209 ± 0.000944	- ± -	0.0023	-	-
Calcium	mg/l	71.6 ± 0.691	- ± -	2.22	-	-
Chloride	mg/l	31 ± 0.209	- ± -	1.24	-	-
El. conductivity (25°C)	µS/cm	545 ± 2.62	- ± -	7.09	-	-
Hydrogen carbonate	mg/l	249 ± 1.82	- ± -	4.99	-	-
Magnesium	mg/l	16.2 ± 0.207	- ± -	0.648	-	-
Nitrate (as NO3)	mg/l	7.06 ± 0.16	- ± -	0.353	-	-
Nitrite (as NO2)	mg/l	0.202 ± 0.00286	- ± -	0.0107	-	-
Orthophosphate (as PO4)	mg/l	0.137 ± 0.00441	- ± -	0.0123	-	-
pH-value	-	7.77 ± 0.027	- ± -	0.155	-	-
Potassium	mg/l	2.28 ± 0.0331	- ± -	0.118	-	-
Sodium	mg/l	17.7 ± 0.216	- ± -	0.602	-	-
Sulfate (as SO4)	mg/l	31.2 ± 0.278	- ± -	1.03	-	-
Total-P (as PO4)	mg/l	1.48 ± 0.0285	- ± -	0.111	-	-
Total hardness	mmol/l	2.48 ± 0.0362	- ± -	0.0745	-	-
Total nitrogen	mg/l	1.76 ± 0.0577	- ± -	0.146	-	-

Sample: N150ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.85 ± 0.0645	- ± -	0.185	-	-

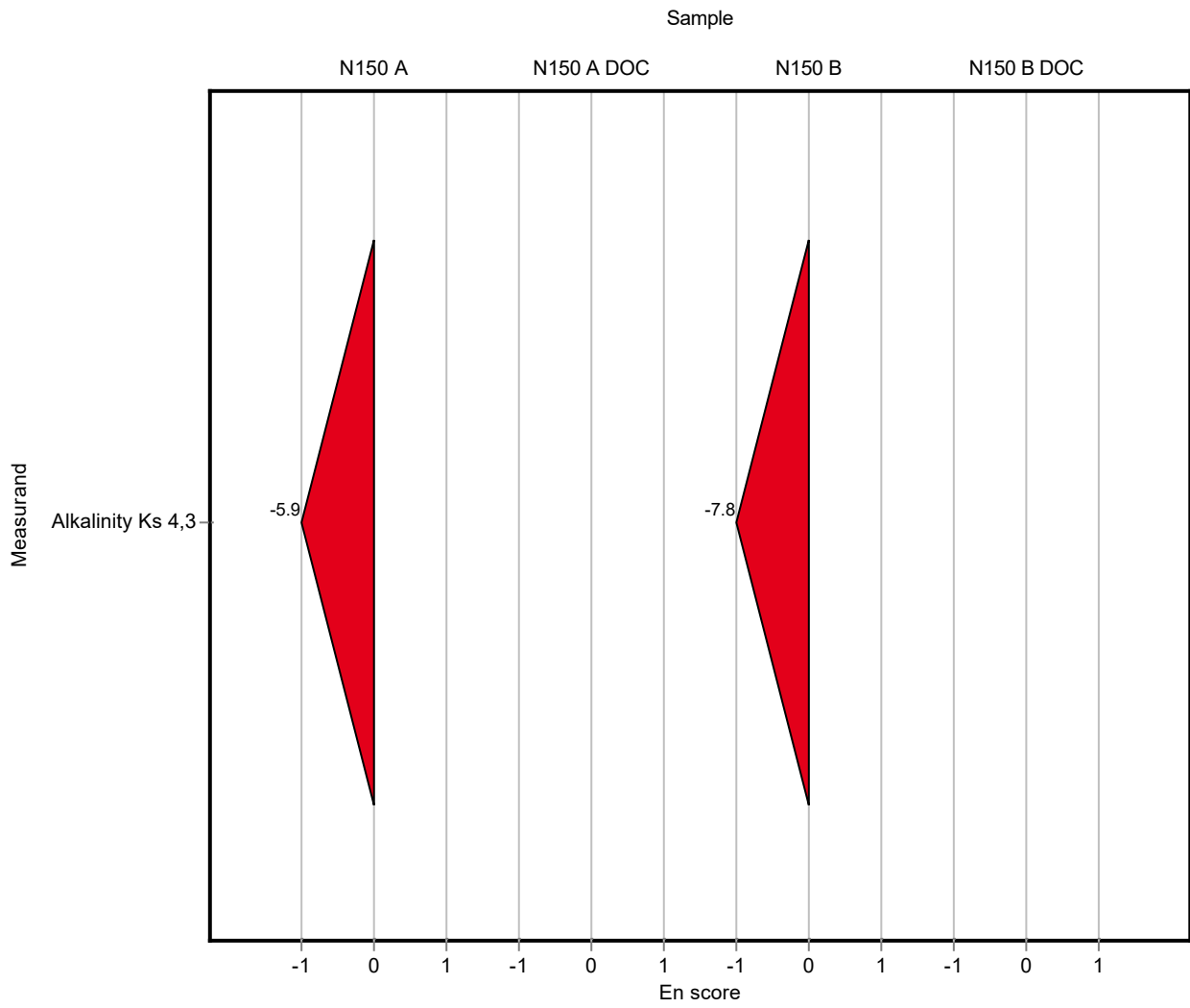
Sample: N150B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	2.74 ± 0.0137	2.505 ± 0.013	0.0547	91.6	-7.82
Ammonium (as NH4)	mg/l	0.321 ± 0.00634	- ± -	0.0385	-	-
Boron	mg/l	0.00948 ± 0.00044	- ± -	0.00104	-	-
Calcium	mg/l	48.2 ± 0.463	- ± -	1.5	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Chloride	mg/l	11.5 ± 0.13	- ± -	0.459	-	-
El. conductivity (25°C)	µS/cm	350 ± 1.44	- ± -	4.56	-	-
Hydrogen carbonate	mg/l	165 ± 1.09	- ± -	3.3	-	-
Magnesium	mg/l	10.9 ± 0.149	- ± -	0.435	-	-
Nitrate (as NO ₃)	mg/l	12 ± 0.174	- ± -	0.601	-	-
Nitrite (as NO ₂)	mg/l	0.221 ± 0.00316	- ± -	0.0117	-	-
Orthophosphate (as PO ₄)	mg/l	0.166 ± 0.00363	- ± -	0.0149	-	-
pH-value	-	7.74 ± 0.033	- ± -	0.155	-	-
Potassium	mg/l	1.24 ± 0.0282	- ± -	0.0644	-	-
Sodium	mg/l	6.39 ± 0.087	- ± -	0.217	-	-
Sulfate (as SO ₄)	mg/l	18.3 ± 0.193	- ± -	0.603	-	-
Total-P (as PO ₄)	mg/l	0.7 ± 0.0182	- ± -	0.0525	-	-
Total hardness	mmol/l	1.68 ± 0.022	- ± -	0.0504	-	-
Total nitrogen	mg/l	3.1 ± 0.101	- ± -	0.258	-	-

Sample: N150BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	2.45 ± 0.0593	- ± -	0.245	-	-



Sample: N150A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	4.1 ± 0.0162	4.13 ± 0.41	0.0821	101	0.31
Ammonium (as NH ₄)	mg/l	0.0588 ± 0.0023	0.094 ± 0.033	0.00706	160	4.99
Boron	mg/l	0.0209 ± 0.000944 <0.047 (LOQ) ± -	<0.047 (LOQ) ± -	0.0023	-	-
Calcium	mg/l	71.6 ± 0.691	70.9 ± 7.09	2.22	99	-0.33
Chloride	mg/l	31 ± 0.209	31.2 ± 3.12	1.24	101	0.16
El. conductivity (25°C)	µS/cm	545 ± 2.62	521 ± 5.2	7.09	95.6	-3.40
Hydrogen carbonate	mg/l	249 ± 1.82	252 ± 25.2	4.99	101	0.52
Magnesium	mg/l	16.2 ± 0.207	16 ± 1.6	0.648	98.8	-0.31
Nitrate (as NO ₃)	mg/l	7.06 ± 0.16	7.02 ± 0.7	0.353	99.5	-0.10
Nitrite (as NO ₂)	mg/l	0.202 ± 0.00286	0.214 ± 0.021	0.0107	106	1.16
Orthophosphate (as PO ₄)	mg/l	0.137 ± 0.00441	0.111 ± 0.011	0.0123	81.2	-2.09
pH-value	-	7.77 ± 0.027	7.74 ± 0.1	0.155	99.6	-0.17
Potassium	mg/l	2.28 ± 0.0331	2.34 ± 0.23	0.118	103	0.53
Sodium	mg/l	17.7 ± 0.216	18.2 ± 1.82	0.602	103	0.81
Sulfate (as SO ₄)	mg/l	31.2 ± 0.278	31.5 ± 4.73	1.03	101	0.29
Total-P (as PO ₄)	mg/l	1.48 ± 0.0285	1.54 ± 0.31	0.111	104	0.50
Total hardness	mmol/l	2.48 ± 0.0362	2.5 ± 0.25	0.0745	101	0.22
Total nitrogen	mg/l	1.76 ± 0.0577	1.66 ± 0.33	0.146	94.3	-0.69

Sample: N150ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.85 ± 0.0645	1.6 ± 0.32	0.185	86.4	-1.36

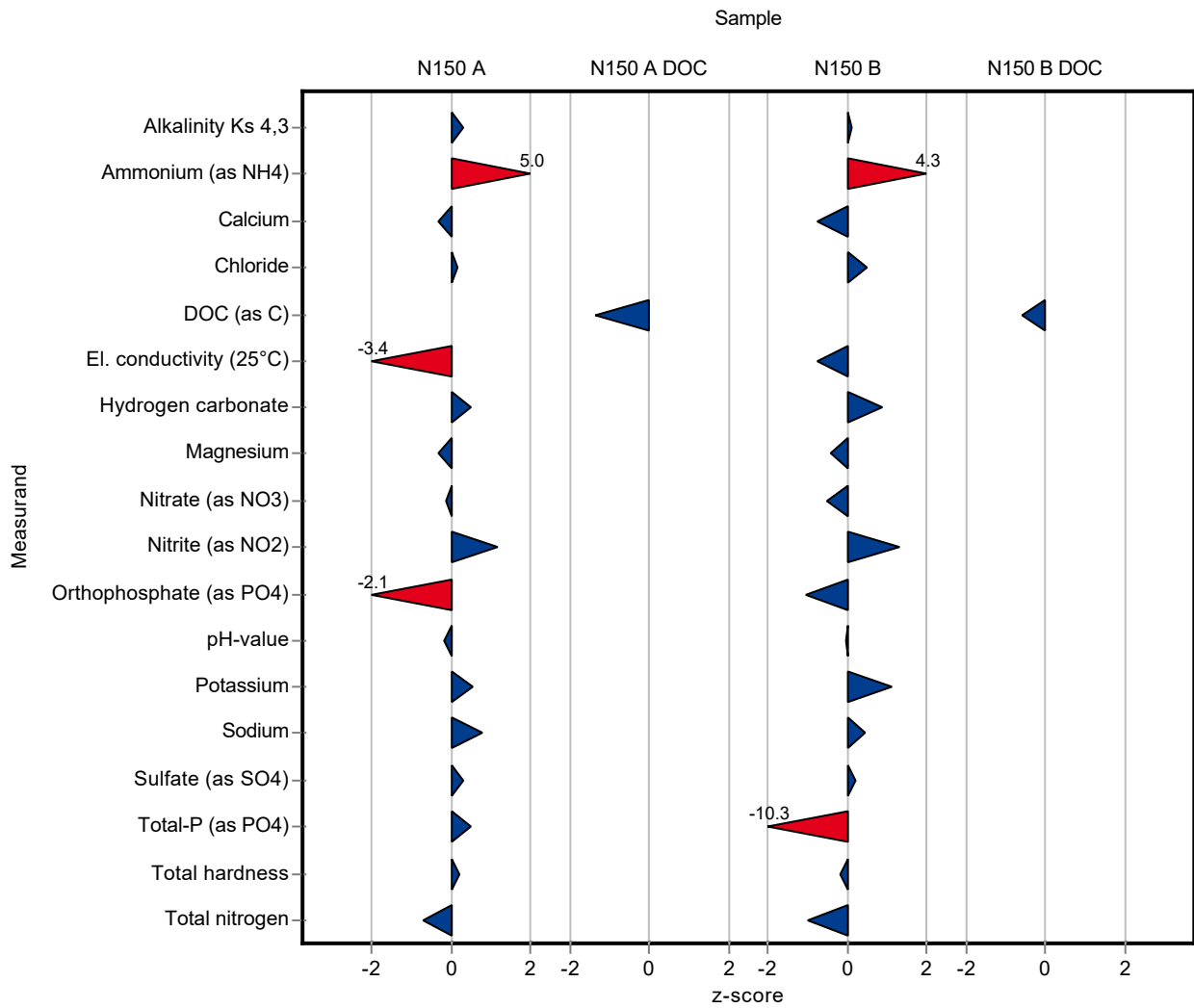
Sample: N150B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	2.74 ± 0.0137	2.74 ± 0.27	0.0547	100	0.09
Ammonium (as NH ₄)	mg/l	0.321 ± 0.00634	0.487 ± 0.17	0.0385	152	4.32
Boron	mg/l	0.00948 ± 0.00044 <0.047 (LOQ) ± -	<0.047 (LOQ) ± -	0.00104	-	-
Calcium	mg/l	48.2 ± 0.463	47.1 ± 4.71	1.5	97.7	-0.76

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Chloride	mg/l	11.5 ± 0.13	11.7 ± 1.17	0.459	102	0.49
El. conductivity (25°C)	µS/cm	350 ± 1.44	347 ± 3.5	4.56	99	-0.76
Hydrogen carbonate	mg/l	165 ± 1.09	167.9 ± 16.8	3.3	102	0.86
Magnesium	mg/l	10.9 ± 0.149	10.7 ± 1.07	0.435	98.3	-0.42
Nitrate (as NO ₃)	mg/l	12 ± 0.174	11.7 ± 1.17	0.601	97.4	-0.53
Nitrite (as NO ₂)	mg/l	0.221 ± 0.00316	0.236 ± 0.024	0.0117	107	1.29
Orthophosphate (as PO ₄)	mg/l	0.166 ± 0.00363	0.15 ± 0.015	0.0149	90.4	-1.07
pH-value	-	7.74 ± 0.033	7.73 ± 0.1	0.155	99.9	-0.03
Potassium	mg/l	1.24 ± 0.0282	1.31 ± 0.13	0.0644	106	1.10
Sodium	mg/l	6.39 ± 0.087	6.49 ± 0.65	0.217	102	0.45
Sulfate (as SO ₄)	mg/l	18.3 ± 0.193	18.4 ± 2.76	0.603	101	0.20
Total-P (as PO ₄)	mg/l	0.7 ± 0.0182	0.159 ± 0.032	0.0525	22.7	-10.30
Total hardness	mmol/l	1.68 ± 0.022	1.67 ± 0.17	0.0504	99.4	-0.20
Total nitrogen	mg/l	3.1 ± 0.101	2.85 ± 0.57	0.258	91.8	-0.98

Sample: N150BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.45 ± 0.0593	2.3 ± 0.46	0.245	94	-0.60



Sample: N150A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	4.1 ± 0.0162	4.13 ± 0.41	0.0821	101	0.03
Ammonium (as NH4)	mg/l	0.0588 ± 0.0023	0.094 ± 0.033	0.00706	160	0.53
Boron	mg/l	0.0209 ± 0.000944 <0.047 (LOQ) ± -		0.0023	-	-
Calcium	mg/l	71.6 ± 0.691	70.9 ± 7.09	2.22	99	-0.05
Chloride	mg/l	31 ± 0.209	31.2 ± 3.12	1.24	101	0.03
El. conductivity (25°C)	µS/cm	545 ± 2.62	521 ± 5.2	7.09	95.6	-2.25
Hydrogen carbonate	mg/l	249 ± 1.82	252 ± 25.2	4.99	101	0.05
Magnesium	mg/l	16.2 ± 0.207	16 ± 1.6	0.648	98.8	-0.06
Nitrate (as NO3)	mg/l	7.06 ± 0.16	7.02 ± 0.7	0.353	99.5	-0.03
Nitrite (as NO2)	mg/l	0.202 ± 0.00286	0.214 ± 0.021	0.0107	106	0.29
Orthophosphate (as PO4)	mg/l	0.137 ± 0.00441	0.111 ± 0.011	0.0123	81.2	-1.14
pH-value	-	7.77 ± 0.027	7.74 ± 0.1	0.155	99.6	-0.14
Potassium	mg/l	2.28 ± 0.0331	2.34 ± 0.23	0.118	103	0.14
Sodium	mg/l	17.7 ± 0.216	18.2 ± 1.82	0.602	103	0.13
Sulfate (as SO4)	mg/l	31.2 ± 0.278	31.5 ± 4.73	1.03	101	0.03
Total-P (as PO4)	mg/l	1.48 ± 0.0285	1.54 ± 0.31	0.111	104	0.09
Total hardness	mmol/l	2.48 ± 0.0362	2.5 ± 0.25	0.0745	101	0.03
Total nitrogen	mg/l	1.76 ± 0.0577	1.66 ± 0.33	0.146	94.3	-0.15

Sample: N150ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.85 ± 0.0645	1.6 ± 0.32	0.185	86.4	-0.39

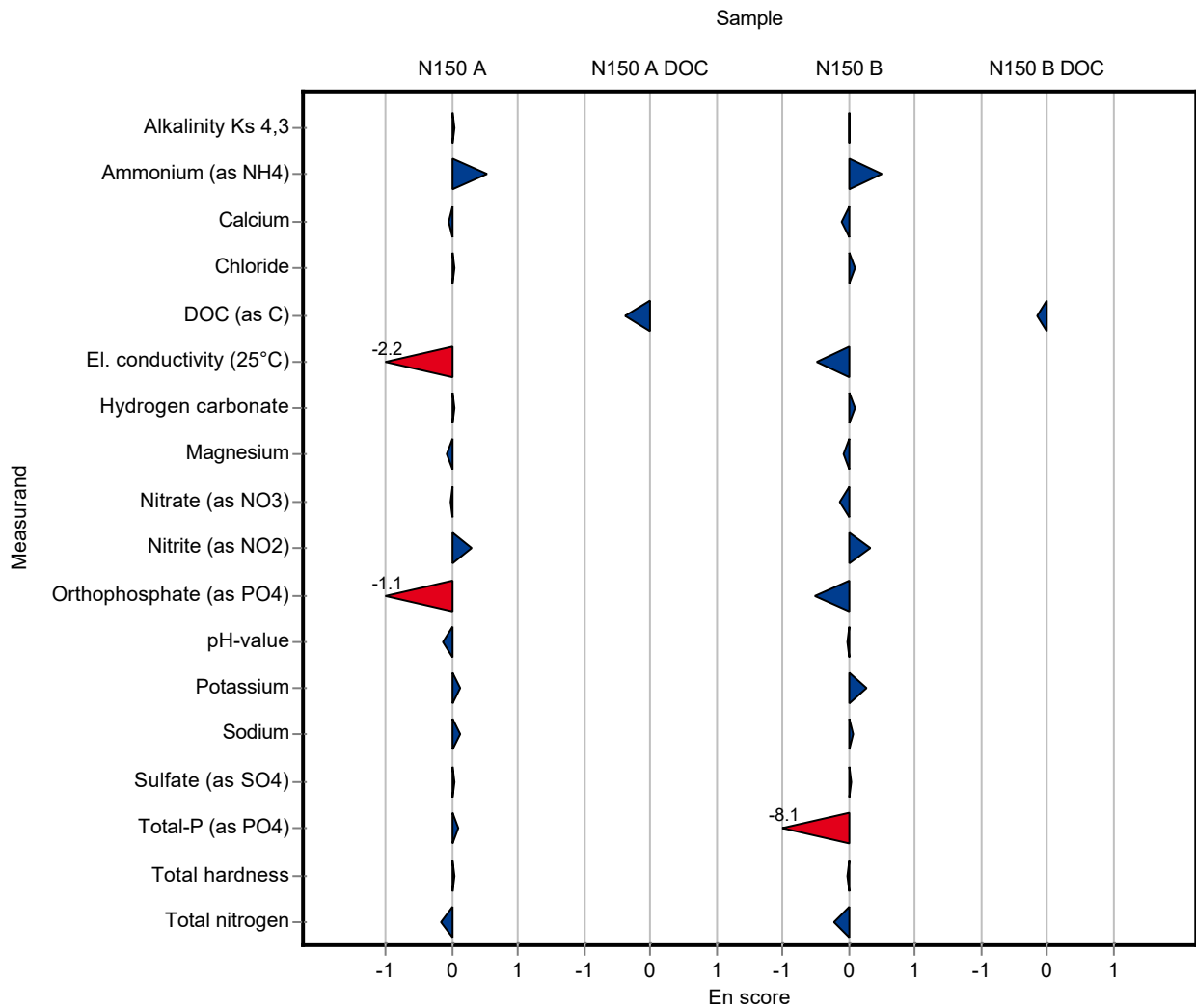
Sample: N150B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	2.74 ± 0.0137	2.74 ± 0.27	0.0547	100	0.01
Ammonium (as NH4)	mg/l	0.321 ± 0.00634	0.487 ± 0.17	0.0385	152	0.49
Boron	mg/l	0.00948 ± 0.00044 <0.047 (LOQ) ± -		0.00104	-	-
Calcium	mg/l	48.2 ± 0.463	47.1 ± 4.71	1.5	97.7	-0.12

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Chloride	mg/l	11.5 ± 0.13	11.7 ± 1.17	0.459	102	0.10
El. conductivity (25°C)	µS/cm	350 ± 1.44	347 ± 3.5	4.56	99	-0.48
Hydrogen carbonate	mg/l	165 ± 1.09	167.9 ± 16.8	3.3	102	0.08
Magnesium	mg/l	10.9 ± 0.149	10.7 ± 1.07	0.435	98.3	-0.09
Nitrate (as NO ₃)	mg/l	12 ± 0.174	11.7 ± 1.17	0.601	97.4	-0.14
Nitrite (as NO ₂)	mg/l	0.221 ± 0.00316	0.236 ± 0.024	0.0117	107	0.31
Orthophosphate (as PO ₄)	mg/l	0.166 ± 0.00363	0.15 ± 0.015	0.0149	90.4	-0.53
pH-value	-	7.74 ± 0.033	7.73 ± 0.1	0.155	99.9	-0.03
Potassium	mg/l	1.24 ± 0.0282	1.31 ± 0.13	0.0644	106	0.27
Sodium	mg/l	6.39 ± 0.087	6.49 ± 0.65	0.217	102	0.07
Sulfate (as SO ₄)	mg/l	18.3 ± 0.193	18.4 ± 2.76	0.603	101	0.02
Total-P (as PO ₄)	mg/l	0.7 ± 0.0182	0.159 ± 0.032	0.0525	22.7	-8.13
Total hardness	mmol/l	1.68 ± 0.022	1.67 ± 0.17	0.0504	99.4	-0.03
Total nitrogen	mg/l	3.1 ± 0.101	2.85 ± 0.57	0.258	91.8	-0.22

Sample: N150BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	2.45 ± 0.0593	2.3 ± 0.46	0.245	94	-0.16



Sample: N150A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	4.1 ± 0.0162	- ± -	0.0821	-	-
Ammonium (as NH ₄)	mg/l	0.0588 ± 0.0023	0.06 ± 0.01	0.00706	102	0.17
Boron	mg/l	0.0209 ± 0.000944	<0.02 (LOQ) ± -	0.0023	-	-
Calcium	mg/l	71.6 ± 0.691	72.5 ± 5.1	2.22	101	0.39
Chloride	mg/l	31 ± 0.209	31.4 ± 1.6	1.24	101	0.32
El. conductivity (25°C)	µS/cm	545 ± 2.62	552 ± 22	7.09	101	0.97
Hydrogen carbonate	mg/l	249 ± 1.82	- ± -	4.99	-	-
Magnesium	mg/l	16.2 ± 0.207	16.1 ± 1.3	0.648	99.4	-0.16
Nitrate (as NO ₃)	mg/l	7.06 ± 0.16	7.1 ± 1.3	0.353	101	0.12
Nitrite (as NO ₂)	mg/l	0.202 ± 0.00286	0.194 ± 0.025	0.0107	96.2	-0.72
Orthophosphate (as PO ₄)	mg/l	0.137 ± 0.00441	0.11 ± 0.02	0.0123	80.5	-2.17
pH-value	-	7.77 ± 0.027	7.66 ± 0.1	0.155	98.6	-0.69
Potassium	mg/l	2.28 ± 0.0331	2.3 ± 0.4	0.118	101	0.19
Sodium	mg/l	17.7 ± 0.216	17.9 ± 2	0.602	101	0.31
Sulfate (as SO ₄)	mg/l	31.2 ± 0.278	31.1 ± 1.9	1.03	99.7	-0.09
Total-P (as PO ₄)	mg/l	1.48 ± 0.0285	1.6 ± 0.4	0.111	108	1.04
Total hardness	mmol/l	2.48 ± 0.0362	2.48 ± 0.32	0.0745	99.8	-0.05
Total nitrogen	mg/l	1.76 ± 0.0577	1.8 ± 0.5	0.146	102	0.27

Sample: N150ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.85 ± 0.0645	1.79 ± 0.18	0.185	96.7	-0.33

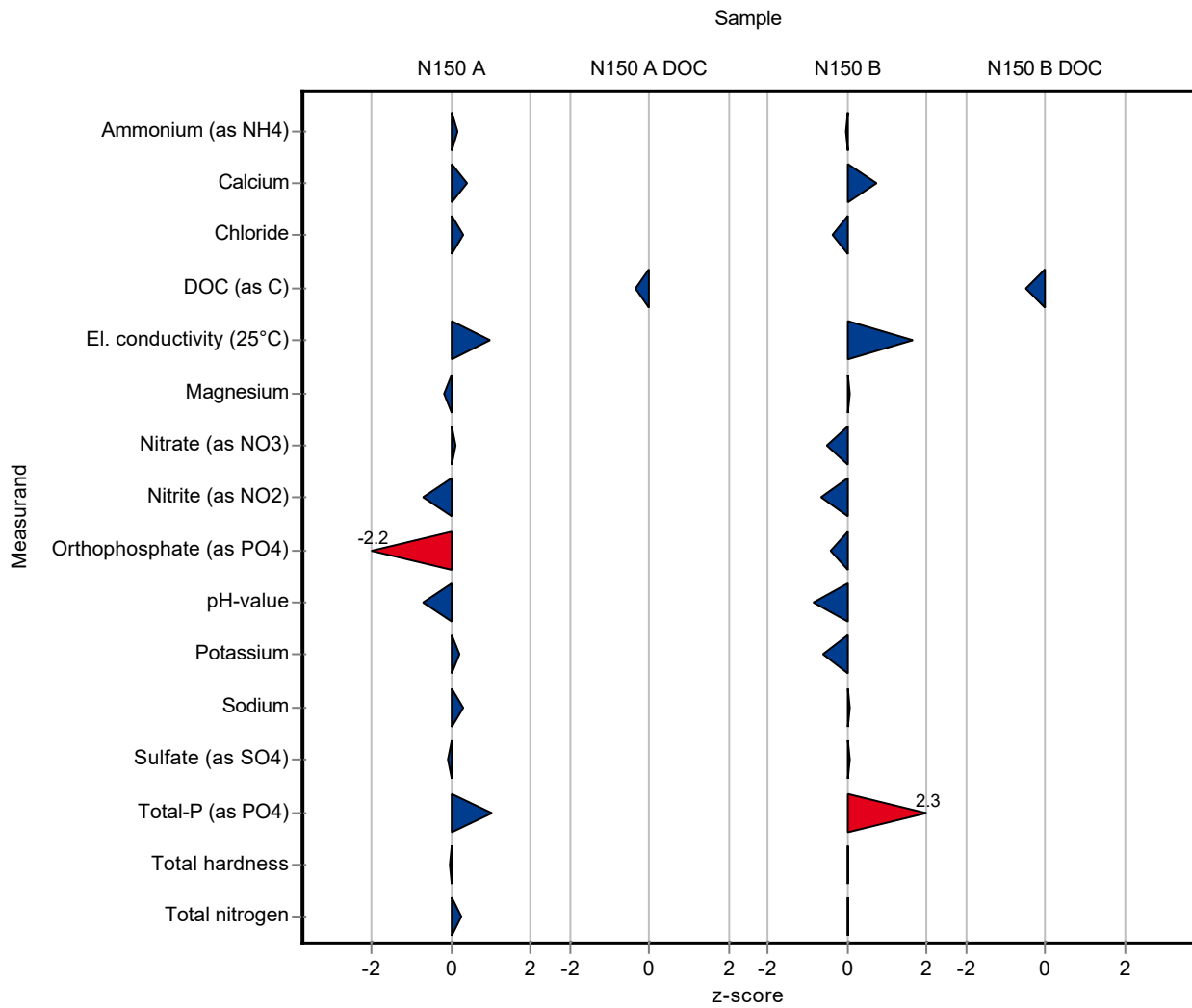
Sample: N150B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	2.74 ± 0.0137	- ± -	0.0547	-	-
Ammonium (as NH ₄)	mg/l	0.321 ± 0.00634	0.32 ± 0.05	0.0385	99.8	-0.02
Boron	mg/l	0.00948 ± 0.00044	<0.02 (LOQ) ± -	0.00104	-	-
Calcium	mg/l	48.2 ± 0.463	49.3 ± 3.5	1.5	102	0.71

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Chloride	mg/l	11.5 ± 0.13	11.3 ± 0.6	0.459	98.5	-0.38
El. conductivity (25°C)	µS/cm	350 ± 1.44	358 ± 14	4.56	102	1.65
Hydrogen carbonate	mg/l	165 ± 1.09	- ± -	3.3	-	-
Magnesium	mg/l	10.9 ± 0.149	10.9 ± 0.9	0.435	100	0.04
Nitrate (as NO ₃)	mg/l	12 ± 0.174	11.7 ± 2.1	0.601	97.4	-0.53
Nitrite (as NO ₂)	mg/l	0.221 ± 0.00316	0.213 ± 0.028	0.0117	96.4	-0.67
Orthophosphate (as PO ₄)	mg/l	0.166 ± 0.00363	0.16 ± 0.03	0.0149	96.4	-0.40
pH-value	-	7.74 ± 0.033	7.6 ± 0.1	0.155	98.3	-0.87
Potassium	mg/l	1.24 ± 0.0282	1.2 ± 0.2	0.0644	96.8	-0.61
Sodium	mg/l	6.39 ± 0.087	6.4 ± 0.7	0.217	100	0.04
Sulfate (as SO ₄)	mg/l	18.3 ± 0.193	18.3 ± 1.1	0.603	100	0.04
Total-P (as PO ₄)	mg/l	0.7 ± 0.0182	0.82 ± 0.21	0.0525	117	2.28
Total hardness	mmol/l	1.68 ± 0.022	1.68 ± 0.15	0.0504	100	0.00
Total nitrogen	mg/l	3.1 ± 0.101	3.1 ± 0.8	0.258	99.9	-0.01

Sample: N150BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.45 ± 0.0593	2.32 ± 0.23	0.245	94.8	-0.52



Sample: N150A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	4.1 ± 0.0162	- ± -	0.0821	-	-
Ammonium (as NH ₄)	mg/l	0.0588 ± 0.0023	0.06 ± 0.01	0.00706	102	0.06
Boron	mg/l	0.0209 ± 0.000944	<0.02 (LOQ) ± -	0.0023	-	-
Calcium	mg/l	71.6 ± 0.691	72.5 ± 5.1	2.22	101	0.08
Chloride	mg/l	31 ± 0.209	31.4 ± 1.6	1.24	101	0.12
El. conductivity (25°C)	µS/cm	545 ± 2.62	552 ± 22	7.09	101	0.16
Hydrogen carbonate	mg/l	249 ± 1.82	- ± -	4.99	-	-
Magnesium	mg/l	16.2 ± 0.207	16.1 ± 1.3	0.648	99.4	-0.04
Nitrate (as NO ₃)	mg/l	7.06 ± 0.16	7.1 ± 1.3	0.353	101	0.02
Nitrite (as NO ₂)	mg/l	0.202 ± 0.00286	0.194 ± 0.025	0.0107	96.2	-0.15
Orthophosphate (as PO ₄)	mg/l	0.137 ± 0.00441	0.11 ± 0.02	0.0123	80.5	-0.66
pH-value	-	7.77 ± 0.027	7.66 ± 0.1	0.155	98.6	-0.53
Potassium	mg/l	2.28 ± 0.0331	2.3 ± 0.4	0.118	101	0.03
Sodium	mg/l	17.7 ± 0.216	17.9 ± 2	0.602	101	0.05
Sulfate (as SO ₄)	mg/l	31.2 ± 0.278	31.1 ± 1.9	1.03	99.7	-0.03
Total-P (as PO ₄)	mg/l	1.48 ± 0.0285	1.6 ± 0.4	0.111	108	0.14
Total hardness	mmol/l	2.48 ± 0.0362	2.48 ± 0.32	0.0745	99.8	-0.01
Total nitrogen	mg/l	1.76 ± 0.0577	1.8 ± 0.5	0.146	102	0.04

Sample: N150ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.85 ± 0.0645	1.79 ± 0.18	0.185	96.7	-0.17

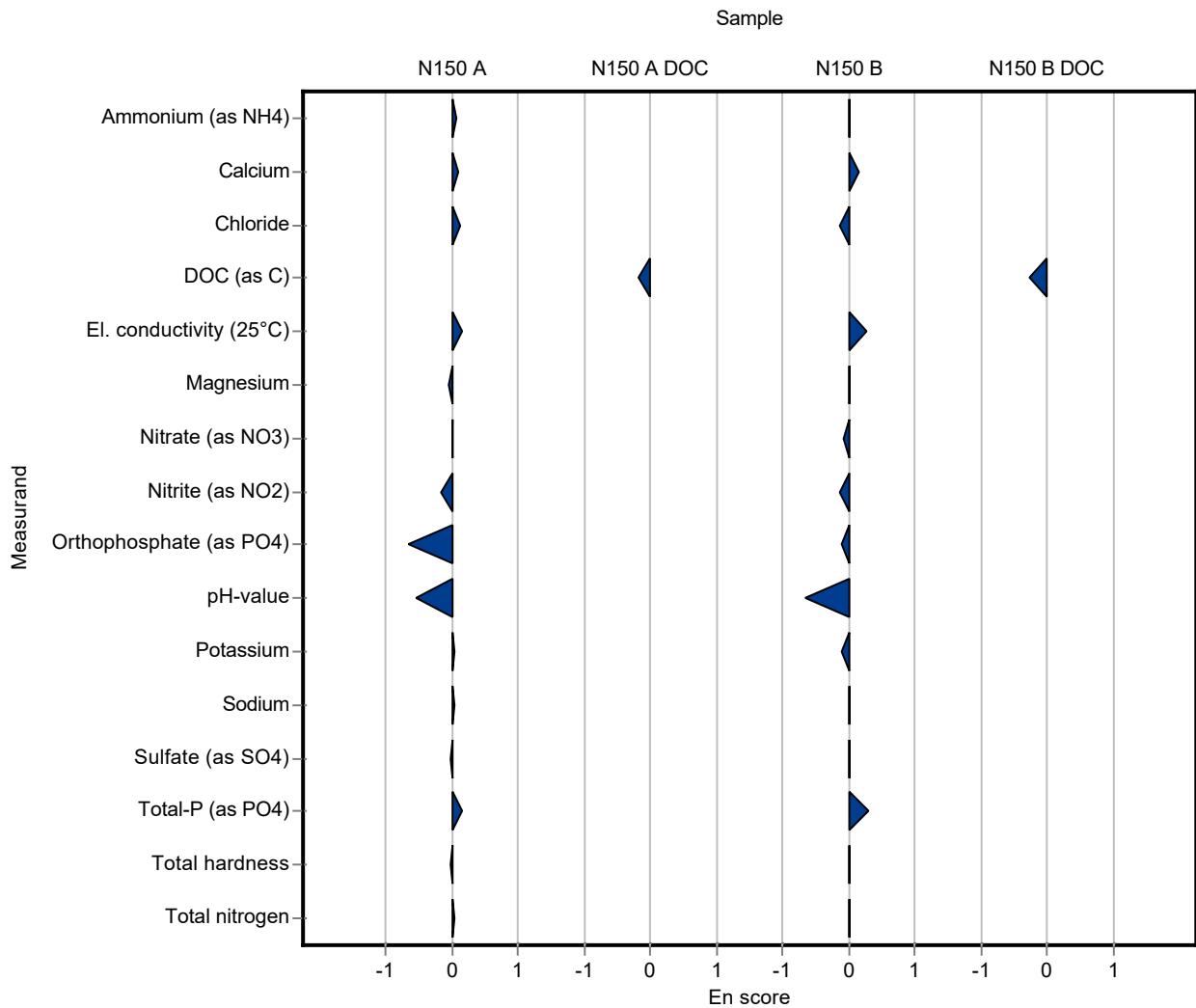
Sample: N150B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	2.74 ± 0.0137	- ± -	0.0547	-	-
Ammonium (as NH ₄)	mg/l	0.321 ± 0.00634	0.32 ± 0.05	0.0385	99.8	-0.01
Boron	mg/l	0.00948 ± 0.00044	<0.02 (LOQ) ± -	0.00104	-	-
Calcium	mg/l	48.2 ± 0.463	49.3 ± 3.5	1.5	102	0.15

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Chloride	mg/l	11.5 ± 0.13	11.3 ± 0.6	0.459	98.5	-0.14
El. conductivity (25°C)	µS/cm	350 ± 1.44	358 ± 14	4.56	102	0.27
Hydrogen carbonate	mg/l	165 ± 1.09	- ± -	3.3	-	-
Magnesium	mg/l	10.9 ± 0.149	10.9 ± 0.9	0.435	100	0.01
Nitrate (as NO ₃)	mg/l	12 ± 0.174	11.7 ± 2.1	0.601	97.4	-0.08
Nitrite (as NO ₂)	mg/l	0.221 ± 0.00316	0.213 ± 0.028	0.0117	96.4	-0.14
Orthophosphate (as PO ₄)	mg/l	0.166 ± 0.00363	0.16 ± 0.03	0.0149	96.4	-0.10
pH-value	-	7.74 ± 0.033	7.6 ± 0.1	0.155	98.3	-0.67
Potassium	mg/l	1.24 ± 0.0282	1.2 ± 0.2	0.0644	96.8	-0.10
Sodium	mg/l	6.39 ± 0.087	6.4 ± 0.7	0.217	100	0.01
Sulfate (as SO ₄)	mg/l	18.3 ± 0.193	18.3 ± 1.1	0.603	100	0.01
Total-P (as PO ₄)	mg/l	0.7 ± 0.0182	0.82 ± 0.21	0.0525	117	0.28
Total hardness	mmol/l	1.68 ± 0.022	1.68 ± 0.15	0.0504	100	0.00
Total nitrogen	mg/l	3.1 ± 0.101	3.1 ± 0.8	0.258	99.9	0.00

Sample: N150BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	2.45 ± 0.0593	2.32 ± 0.23	0.245	94.8	-0.27



Sample: N150A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	4.1 ± 0.0162	3.98 ± 0.02	0.0821	97	-1.52
Ammonium (as NH ₄)	mg/l	0.0588 ± 0.0023	0.0593 ± 0.0014	0.00706	101	0.07
Boron	mg/l	0.0209 ± 0.000944	0.0219 ± 0.001	0.0023	105	0.41
Calcium	mg/l	71.6 ± 0.691	73.3 ± 0.525	2.22	102	0.75
Chloride	mg/l	31 ± 0.209	31.6 ± 0.1	1.24	102	0.48
El. conductivity (25°C)	µS/cm	545 ± 2.62	538 ± 1	7.09	98.7	-1.00
Hydrogen carbonate	mg/l	249 ± 1.82	240 ± 1	4.99	96.2	-1.89
Magnesium	mg/l	16.2 ± 0.207	16.8 ± 0.231	0.648	104	0.92
Nitrate (as NO ₃)	mg/l	7.06 ± 0.16	7.72 ± 0.03	0.353	109	1.88
Nitrite (as NO ₂)	mg/l	0.202 ± 0.00286	0.21 ± 0.001	0.0107	104	0.78
Orthophosphate (as PO ₄)	mg/l	0.137 ± 0.00441	0.144 ± 0.002	0.0123	105	0.60
pH-value	-	7.77 ± 0.027	7.83 ± 0.02	0.155	101	0.40
Potassium	mg/l	2.28 ± 0.0331	2.27 ± 0.012	0.118	99.7	-0.06
Sodium	mg/l	17.7 ± 0.216	18.5 ± 0.616	0.602	104	1.31
Sulfate (as SO ₄)	mg/l	31.2 ± 0.278	30.5 ± 0.032	1.03	97.8	-0.68
Total-P (as PO ₄)	mg/l	1.48 ± 0.0285	1.38 ± 0.007	0.111	93	-0.93
Total hardness	mmol/l	2.48 ± 0.0362	2.52 ± 0.022	0.0745	101	0.48
Total nitrogen	mg/l	1.76 ± 0.0577	1.75 ± 0.047	0.146	99.4	-0.07

Sample: N150ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.85 ± 0.0645	1.82 ± 0.025	0.185	98.3	-0.17

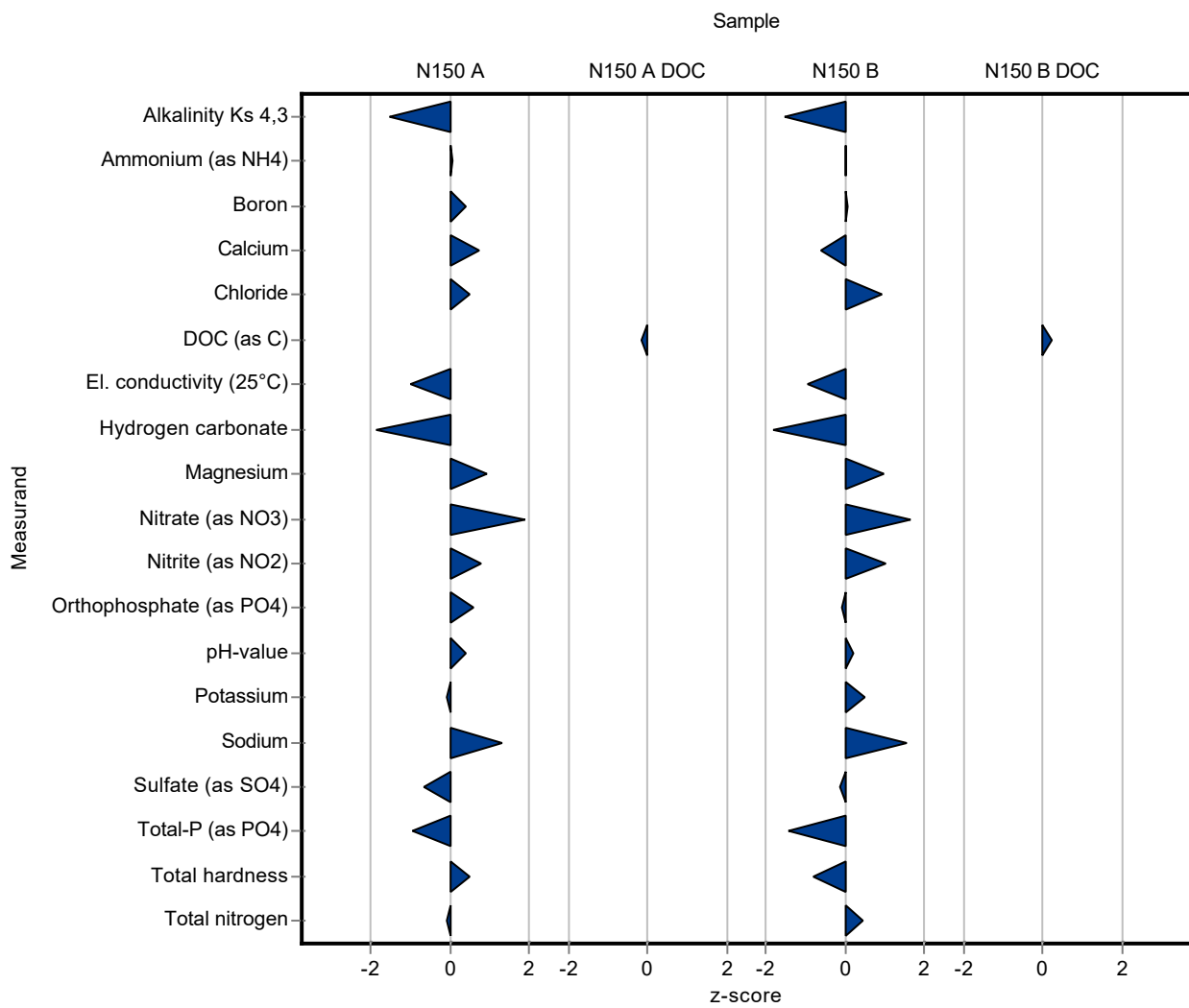
Sample: N150B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	2.74 ± 0.0137	2.65 ± 0.012	0.0547	96.9	-1.55
Ammonium (as NH ₄)	mg/l	0.321 ± 0.00634	0.322 ± 0.003	0.0385	100	0.03
Boron	mg/l	0.00948 ± 0.00044	0.00954 ± 0.0003	0.00104	101	0.05
Calcium	mg/l	48.2 ± 0.463	47.3 ± 1.23	1.5	98.1	-0.62

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Chloride	mg/l	11.5 ± 0.13	11.9 ± 0.058	0.459	104	0.93
El. conductivity (25°C)	µS/cm	350 ± 1.44	346 ± 0.577	4.56	98.7	-0.98
Hydrogen carbonate	mg/l	165 ± 1.09	159 ± 0.577	3.3	96.3	-1.83
Magnesium	mg/l	10.9 ± 0.149	11.3 ± 0.184	0.435	104	0.96
Nitrate (as NO ₃)	mg/l	12 ± 0.174	13 ± 0.058	0.601	108	1.63
Nitrite (as NO ₂)	mg/l	0.221 ± 0.00316	0.233 ± 0.001	0.0117	105	1.03
Orthophosphate (as PO ₄)	mg/l	0.166 ± 0.00363	0.165 ± 0.0014	0.0149	99.4	-0.07
pH-value	-	7.74 ± 0.033	7.77 ± 0.02	0.155	100	0.22
Potassium	mg/l	1.24 ± 0.0282	1.27 ± 0.015	0.0644	102	0.48
Sodium	mg/l	6.39 ± 0.087	6.73 ± 0.248	0.217	105	1.55
Sulfate (as SO ₄)	mg/l	18.3 ± 0.193	18.2 ± 0.115	0.603	99.6	-0.13
Total-P (as PO ₄)	mg/l	0.7 ± 0.0182	0.624 ± 0.008	0.0525	89.1	-1.45
Total hardness	mmol/l	1.68 ± 0.022	1.64 ± 0.024	0.0504	97.6	-0.79
Total nitrogen	mg/l	3.1 ± 0.101	3.22 ± 0.062	0.258	104	0.45

Sample: N150BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.45 ± 0.0593	2.5 ± 0.017	0.245	102	0.22



Sample: N150A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	4.1 ± 0.0162	3.98 ± 0.02	0.0821	97	-2.88
Ammonium (as NH4)	mg/l	0.0588 ± 0.0023	0.0593 ± 0.0014	0.00706	101	0.14
Boron	mg/l	0.0209 ± 0.000944	0.0219 ± 0.001	0.0023	105	0.43
Calcium	mg/l	71.6 ± 0.691	73.3 ± 0.525	2.22	102	1.33
Chloride	mg/l	31 ± 0.209	31.6 ± 0.1	1.24	102	2.06
El. conductivity (25°C)	µS/cm	545 ± 2.62	538 ± 1	7.09	98.7	-2.16
Hydrogen carbonate	mg/l	249 ± 1.82	240 ± 1	4.99	96.2	-3.48
Magnesium	mg/l	16.2 ± 0.207	16.8 ± 0.231	0.648	104	1.18
Nitrate (as NO3)	mg/l	7.06 ± 0.16	7.72 ± 0.03	0.353	109	3.87
Nitrite (as NO2)	mg/l	0.202 ± 0.00286	0.21 ± 0.001	0.0107	104	2.39
Orthophosphate (as PO4)	mg/l	0.137 ± 0.00441	0.144 ± 0.002	0.0123	105	1.23
pH-value	-	7.77 ± 0.027	7.83 ± 0.02	0.155	101	1.30
Potassium	mg/l	2.28 ± 0.0331	2.27 ± 0.012	0.118	99.7	-0.19
Sodium	mg/l	17.7 ± 0.216	18.5 ± 0.616	0.602	104	0.63
Sulfate (as SO4)	mg/l	31.2 ± 0.278	30.5 ± 0.032	1.03	97.8	-2.44
Total-P (as PO4)	mg/l	1.48 ± 0.0285	1.38 ± 0.007	0.111	93	-3.27
Total hardness	mmol/l	2.48 ± 0.0362	2.52 ± 0.022	0.0745	101	0.63
Total nitrogen	mg/l	1.76 ± 0.0577	1.75 ± 0.047	0.146	99.4	-0.10

Sample: N150ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.85 ± 0.0645	1.82 ± 0.025	0.185	98.3	-0.38

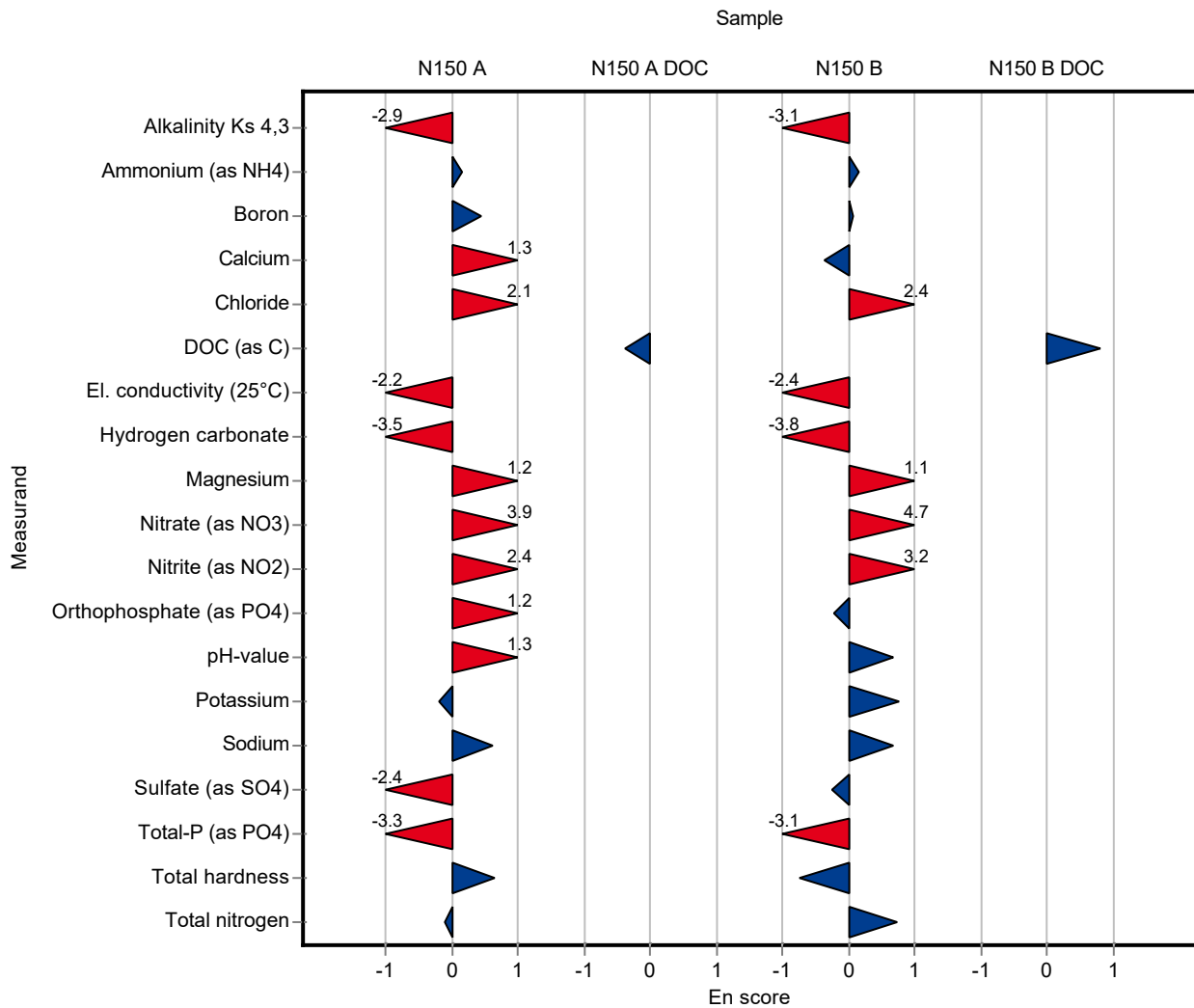
Sample: N150B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	2.74 ± 0.0137	2.65 ± 0.012	0.0547	96.9	-3.08
Ammonium (as NH4)	mg/l	0.321 ± 0.00634	0.322 ± 0.003	0.0385	100	0.15
Boron	mg/l	0.00948 ± 0.00044	0.00954 ± 0.0003	0.00104	101	0.08
Calcium	mg/l	48.2 ± 0.463	47.3 ± 1.23	1.5	98.1	-0.37

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Chloride	mg/l	11.5 ± 0.13	11.9 ± 0.058	0.459	104	2.43
El. conductivity (25°C)	µS/cm	350 ± 1.44	346 ± 0.577	4.56	98.7	-2.42
Hydrogen carbonate	mg/l	165 ± 1.09	159 ± 0.577	3.3	96.3	-3.81
Magnesium	mg/l	10.9 ± 0.149	11.3 ± 0.184	0.435	104	1.05
Nitrate (as NO ₃)	mg/l	12 ± 0.174	13 ± 0.058	0.601	108	4.68
Nitrite (as NO ₂)	mg/l	0.221 ± 0.00316	0.233 ± 0.001	0.0117	105	3.24
Orthophosphate (as PO ₄)	mg/l	0.166 ± 0.00363	0.165 ± 0.0014	0.0149	99.4	-0.21
pH-value	-	7.74 ± 0.033	7.77 ± 0.02	0.155	100	0.67
Potassium	mg/l	1.24 ± 0.0282	1.27 ± 0.015	0.0644	102	0.75
Sodium	mg/l	6.39 ± 0.087	6.73 ± 0.248	0.217	105	0.67
Sulfate (as SO ₄)	mg/l	18.3 ± 0.193	18.2 ± 0.115	0.603	99.6	-0.26
Total-P (as PO ₄)	mg/l	0.7 ± 0.0182	0.624 ± 0.008	0.0525	89.1	-3.14
Total hardness	mmol/l	1.68 ± 0.022	1.64 ± 0.024	0.0504	97.6	-0.76
Total nitrogen	mg/l	3.1 ± 0.101	3.22 ± 0.062	0.258	104	0.73

Sample: N150BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	2.45 ± 0.0593	2.5 ± 0.017	0.245	102	0.79



Sample: N150A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	4.1 ± 0.0162	4.1 ± 0.32	0.0821	99.9	-0.05
Ammonium (as NH ₄)	mg/l	0.0588 ± 0.0023	0.1 ± 0.03	0.00706	170	5.84
Boron	mg/l	0.0209 ± 0.000944	<0.05 (LOQ) ± -	0.0023	-	-
Calcium	mg/l	71.6 ± 0.691	71.2 ± 8.46	2.22	99.4	-0.20
Chloride	mg/l	31 ± 0.209	29.9 ± 0.84	1.24	96.4	-0.89
El. conductivity (25°C)	µS/cm	545 ± 2.62	- ± -	7.09	-	-
Hydrogen carbonate	mg/l	249 ± 1.82	250.1 ± 10.38	4.99	100	0.14
Magnesium	mg/l	16.2 ± 0.207	16.6 ± 1.91	0.648	102	0.61
Nitrate (as NO ₃)	mg/l	7.06 ± 0.16	6.5 ± 0.4	0.353	92.1	-1.58
Nitrite (as NO ₂)	mg/l	0.202 ± 0.00286	0.19 ± 0.02	0.0107	94.2	-1.09
Orthophosphate (as PO ₄)	mg/l	0.137 ± 0.00441	- ± -	0.0123	-	-
pH-value	-	7.77 ± 0.027	7.7 ± 0.12	0.155	99.1	-0.43
Potassium	mg/l	2.28 ± 0.0331	1.9 ± 0.14	0.118	83.4	-3.19
Sodium	mg/l	17.7 ± 0.216	15.3 ± 1.2	0.602	86.4	-4.00
Sulfate (as SO ₄)	mg/l	31.2 ± 0.278	30 ± 0.83	1.03	96.2	-1.16
Total-P (as PO ₄)	mg/l	1.48 ± 0.0285	- ± -	0.111	-	-
Total hardness	mmol/l	2.48 ± 0.0362	4.91 ± 0.66	0.0745	198	32.60
Total nitrogen	mg/l	1.76 ± 0.0577	- ± -	0.146	-	-

Sample: N150ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.85 ± 0.0645	- ± -	0.185	-	-

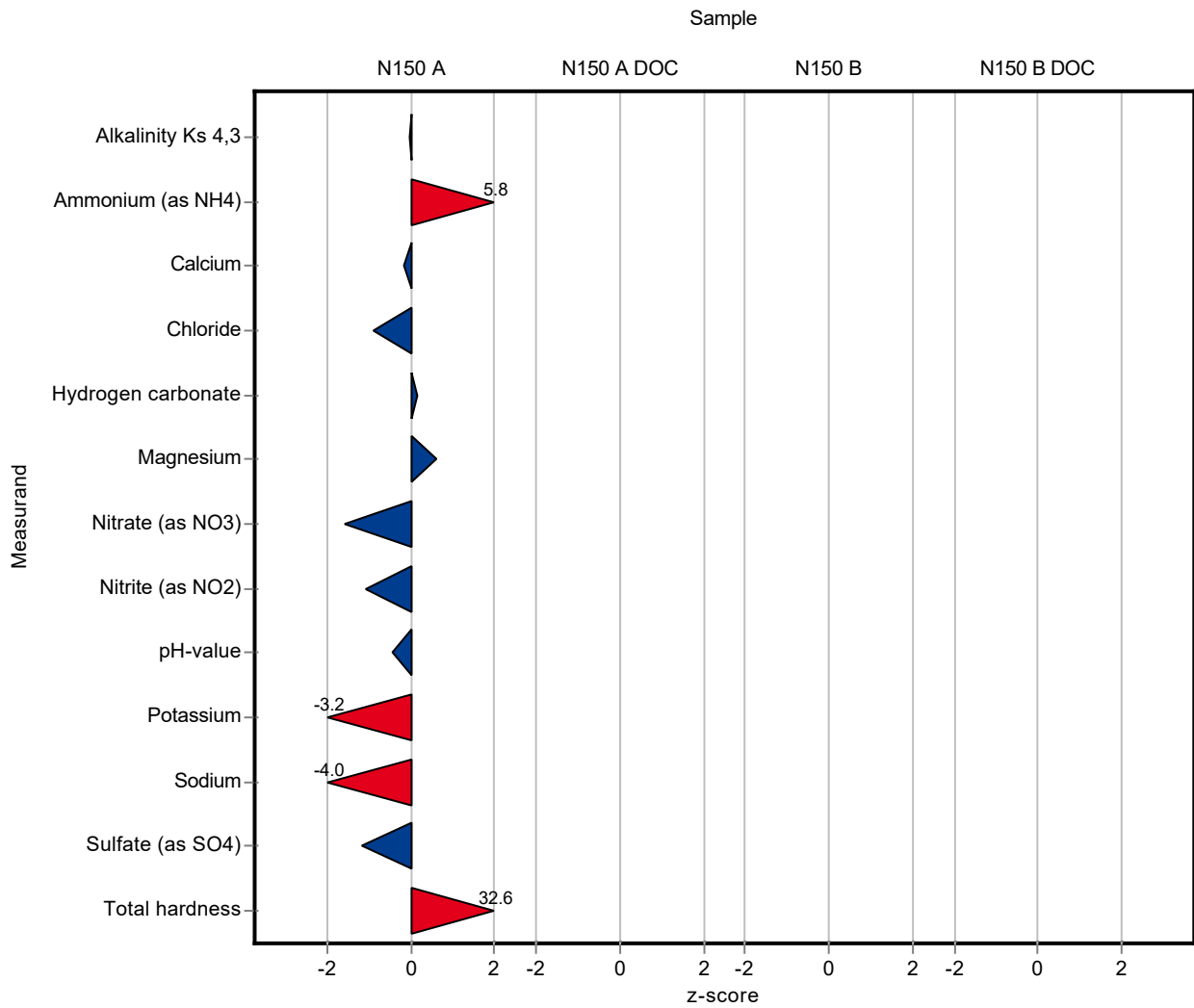
Sample: N150B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	2.74 ± 0.0137	- ± -	0.0547	-	-
Ammonium (as NH ₄)	mg/l	0.321 ± 0.00634	- ± -	0.0385	-	-
Boron	mg/l	0.00948 ± 0.00044	- ± -	0.00104	-	-
Calcium	mg/l	48.2 ± 0.463	- ± -	1.5	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Chloride	mg/l	11.5 ± 0.13	- ± -	0.459	-	-
El. conductivity (25°C)	µS/cm	350 ± 1.44	- ± -	4.56	-	-
Hydrogen carbonate	mg/l	165 ± 1.09	- ± -	3.3	-	-
Magnesium	mg/l	10.9 ± 0.149	- ± -	0.435	-	-
Nitrate (as NO ₃)	mg/l	12 ± 0.174	- ± -	0.601	-	-
Nitrite (as NO ₂)	mg/l	0.221 ± 0.00316	- ± -	0.0117	-	-
Orthophosphate (as PO ₄)	mg/l	0.166 ± 0.00363	- ± -	0.0149	-	-
pH-value	-	7.74 ± 0.033	- ± -	0.155	-	-
Potassium	mg/l	1.24 ± 0.0282	- ± -	0.0644	-	-
Sodium	mg/l	6.39 ± 0.087	- ± -	0.217	-	-
Sulfate (as SO ₄)	mg/l	18.3 ± 0.193	- ± -	0.603	-	-
Total-P (as PO ₄)	mg/l	0.7 ± 0.0182	- ± -	0.0525	-	-
Total hardness	mmol/l	1.68 ± 0.022	- ± -	0.0504	-	-
Total nitrogen	mg/l	3.1 ± 0.101	- ± -	0.258	-	-

Sample: N150BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.45 ± 0.0593	- ± -	0.245	-	-



Sample: N150A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	4.1 ± 0.0162	4.1 ± 0.32	0.0821	99.9	-0.01
Ammonium (as NH ₄)	mg/l	0.0588 ± 0.0023	0.1 ± 0.03	0.00706	170	0.69
Boron	mg/l	0.0209 ± 0.000944	<0.05 (LOQ) ± -	0.0023	-	-
Calcium	mg/l	71.6 ± 0.691	71.2 ± 8.46	2.22	99.4	-0.03
Chloride	mg/l	31 ± 0.209	29.9 ± 0.84	1.24	96.4	-0.65
El. conductivity (25°C)	µS/cm	545 ± 2.62	- ± -	7.09	-	-
Hydrogen carbonate	mg/l	249 ± 1.82	250.1 ± 10.38	4.99	100	0.03
Magnesium	mg/l	16.2 ± 0.207	16.6 ± 1.91	0.648	102	0.10
Nitrate (as NO ₃)	mg/l	7.06 ± 0.16	6.5 ± 0.4	0.353	92.1	-0.68
Nitrite (as NO ₂)	mg/l	0.202 ± 0.00286	0.19 ± 0.02	0.0107	94.2	-0.29
Orthophosphate (as PO ₄)	mg/l	0.137 ± 0.00441	- ± -	0.0123	-	-
pH-value	-	7.77 ± 0.027	7.7 ± 0.12	0.155	99.1	-0.28
Potassium	mg/l	2.28 ± 0.0331	1.9 ± 0.14	0.118	83.4	-1.34
Sodium	mg/l	17.7 ± 0.216	15.3 ± 1.2	0.602	86.4	-1.00
Sulfate (as SO ₄)	mg/l	31.2 ± 0.278	30 ± 0.83	1.03	96.2	-0.71
Total-P (as PO ₄)	mg/l	1.48 ± 0.0285	- ± -	0.111	-	-
Total hardness	mmol/l	2.48 ± 0.0362	4.91 ± 0.66	0.0745	198	1.84
Total nitrogen	mg/l	1.76 ± 0.0577	- ± -	0.146	-	-

Sample: N150ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.85 ± 0.0645	- ± -	0.185	-	-

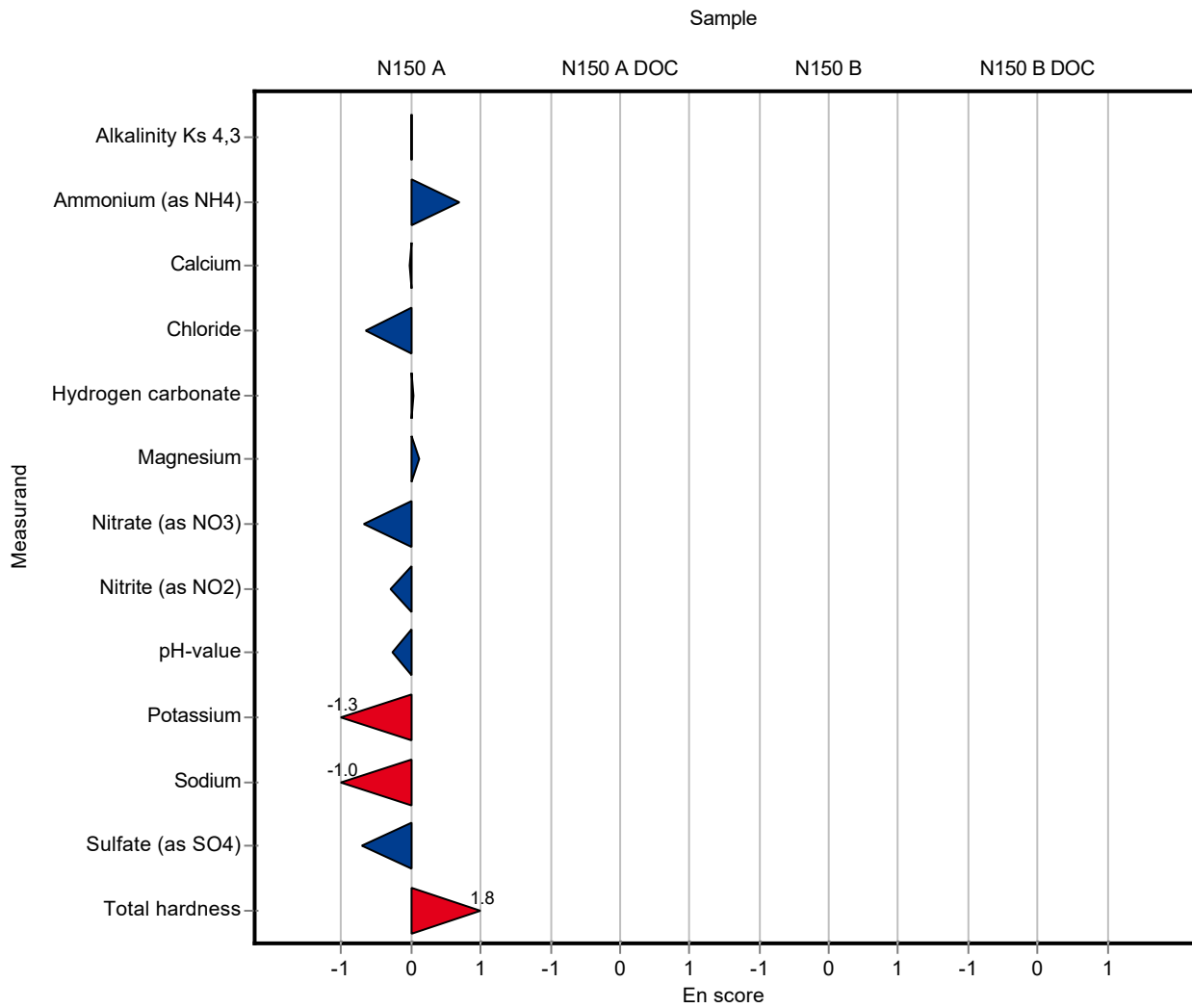
Sample: N150B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	2.74 ± 0.0137	- ± -	0.0547	-	-
Ammonium (as NH ₄)	mg/l	0.321 ± 0.00634	- ± -	0.0385	-	-
Boron	mg/l	0.00948 ± 0.00044	- ± -	0.00104	-	-
Calcium	mg/l	48.2 ± 0.463	- ± -	1.5	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Chloride	mg/l	11.5 ± 0.13	- ± -	0.459	-	-
El. conductivity (25°C)	µS/cm	350 ± 1.44	- ± -	4.56	-	-
Hydrogen carbonate	mg/l	165 ± 1.09	- ± -	3.3	-	-
Magnesium	mg/l	10.9 ± 0.149	- ± -	0.435	-	-
Nitrate (as NO ₃)	mg/l	12 ± 0.174	- ± -	0.601	-	-
Nitrite (as NO ₂)	mg/l	0.221 ± 0.00316	- ± -	0.0117	-	-
Orthophosphate (as PO ₄)	mg/l	0.166 ± 0.00363	- ± -	0.0149	-	-
pH-value	-	7.74 ± 0.033	- ± -	0.155	-	-
Potassium	mg/l	1.24 ± 0.0282	- ± -	0.0644	-	-
Sodium	mg/l	6.39 ± 0.087	- ± -	0.217	-	-
Sulfate (as SO ₄)	mg/l	18.3 ± 0.193	- ± -	0.603	-	-
Total-P (as PO ₄)	mg/l	0.7 ± 0.0182	- ± -	0.0525	-	-
Total hardness	mmol/l	1.68 ± 0.022	- ± -	0.0504	-	-
Total nitrogen	mg/l	3.1 ± 0.101	- ± -	0.258	-	-

Sample: N150BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	2.45 ± 0.0593	- ± -	0.245	-	-



Sample: N150A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	4.1 ± 0.0162	4.06 ± -	0.0821	98.9	-0.54
Ammonium (as NH ₄)	mg/l	0.0588 ± 0.0023	- ± -	0.00706	-	-
Boron	mg/l	0.0209 ± 0.000944	- ± -	0.0023	-	-
Calcium	mg/l	71.6 ± 0.691	- ± -	2.22	-	-
Chloride	mg/l	31 ± 0.209	- ± -	1.24	-	-
El. conductivity (25°C)	µS/cm	545 ± 2.62	551 ± 1.04	7.09	101	0.83
Hydrogen carbonate	mg/l	249 ± 1.82	240 ± -	4.99	96.2	-1.89
Magnesium	mg/l	16.2 ± 0.207	- ± -	0.648	-	-
Nitrate (as NO ₃)	mg/l	7.06 ± 0.16	- ± -	0.353	-	-
Nitrite (as NO ₂)	mg/l	0.202 ± 0.00286	0.202 ± 0.0004	0.0107	100	0.03
Orthophosphate (as PO ₄)	mg/l	0.137 ± 0.00441	- ± -	0.0123	-	-
pH-value	-	7.77 ± 0.027	7.73 ± 0.014	0.155	99.5	-0.24
Potassium	mg/l	2.28 ± 0.0331	- ± -	0.118	-	-
Sodium	mg/l	17.7 ± 0.216	- ± -	0.602	-	-
Sulfate (as SO ₄)	mg/l	31.2 ± 0.278	- ± -	1.03	-	-
Total-P (as PO ₄)	mg/l	1.48 ± 0.0285	- ± -	0.111	-	-
Total hardness	mmol/l	2.48 ± 0.0362	- ± -	0.0745	-	-
Total nitrogen	mg/l	1.76 ± 0.0577	- ± -	0.146	-	-

Sample: N150ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.85 ± 0.0645	- ± -	0.185	-	-

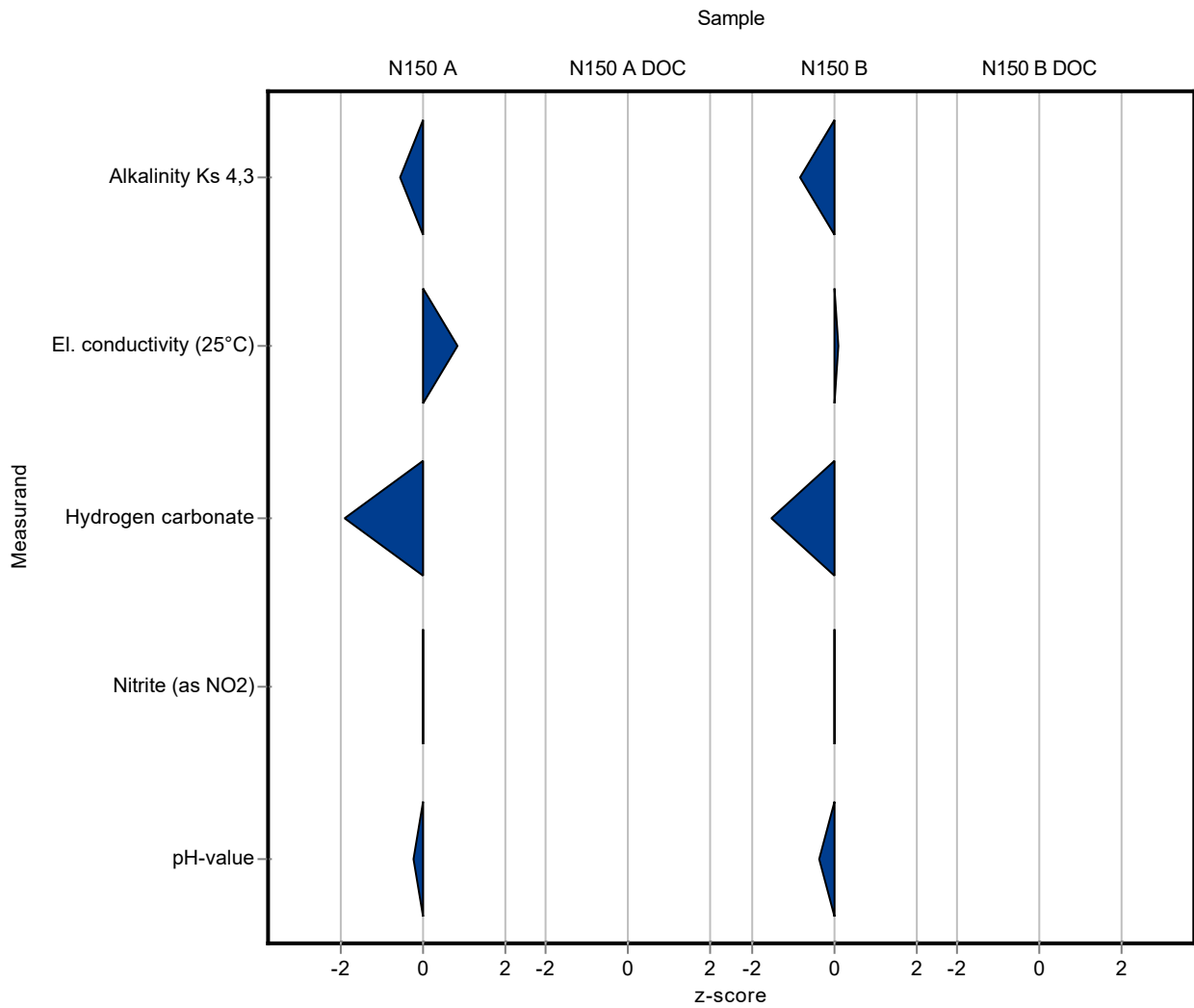
Sample: N150B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	2.74 ± 0.0137	2.69 ± -	0.0547	98.4	-0.82
Ammonium (as NH ₄)	mg/l	0.321 ± 0.00634	- ± -	0.0385	-	-
Boron	mg/l	0.00948 ± 0.00044	- ± -	0.00104	-	-
Calcium	mg/l	48.2 ± 0.463	- ± -	1.5	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Chloride	mg/l	11.5 ± 0.13	- ± -	0.459	-	-
El. conductivity (25°C)	µS/cm	350 ± 1.44	351 ± 0.66	4.56	100	0.12
Hydrogen carbonate	mg/l	165 ± 1.09	160 ± -	3.3	96.9	-1.53
Magnesium	mg/l	10.9 ± 0.149	- ± -	0.435	-	-
Nitrate (as NO ₃)	mg/l	12 ± 0.174	- ± -	0.601	-	-
Nitrite (as NO ₂)	mg/l	0.221 ± 0.00316	0.221 ± 0.0004	0.0117	100	0.01
Orthophosphate (as PO ₄)	mg/l	0.166 ± 0.00363	- ± -	0.0149	-	-
pH-value	-	7.74 ± 0.033	7.68 ± 0.014	0.155	99.3	-0.36
Potassium	mg/l	1.24 ± 0.0282	- ± -	0.0644	-	-
Sodium	mg/l	6.39 ± 0.087	- ± -	0.217	-	-
Sulfate (as SO ₄)	mg/l	18.3 ± 0.193	- ± -	0.603	-	-
Total-P (as PO ₄)	mg/l	0.7 ± 0.0182	- ± -	0.0525	-	-
Total hardness	mmol/l	1.68 ± 0.022	- ± -	0.0504	-	-
Total nitrogen	mg/l	3.1 ± 0.101	- ± -	0.258	-	-

Sample: N150BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.45 ± 0.0593	- ± -	0.245	-	-



Sample: N150A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	4.1 ± 0.0162	4.06 ± -	0.0821	98.9	0.00
Ammonium (as NH4)	mg/l	0.0588 ± 0.0023	- ± -	0.00706	-	-
Boron	mg/l	0.0209 ± 0.000944	- ± -	0.0023	-	-
Calcium	mg/l	71.6 ± 0.691	- ± -	2.22	-	-
Chloride	mg/l	31 ± 0.209	- ± -	1.24	-	-
El. conductivity (25°C)	µS/cm	545 ± 2.62	551 ± 1.04	7.09	101	1.76
Hydrogen carbonate	mg/l	249 ± 1.82	240 ± -	4.99	96.2	0.00
Magnesium	mg/l	16.2 ± 0.207	- ± -	0.648	-	-
Nitrate (as NO3)	mg/l	7.06 ± 0.16	- ± -	0.353	-	-
Nitrite (as NO2)	mg/l	0.202 ± 0.00286	0.202 ± 0.0004	0.0107	100	0.12
Orthophosphate (as PO4)	mg/l	0.137 ± 0.00441	- ± -	0.0123	-	-
pH-value	-	7.77 ± 0.027	7.73 ± 0.014	0.155	99.5	-0.96
Potassium	mg/l	2.28 ± 0.0331	- ± -	0.118	-	-
Sodium	mg/l	17.7 ± 0.216	- ± -	0.602	-	-
Sulfate (as SO4)	mg/l	31.2 ± 0.278	- ± -	1.03	-	-
Total-P (as PO4)	mg/l	1.48 ± 0.0285	- ± -	0.111	-	-
Total hardness	mmol/l	2.48 ± 0.0362	- ± -	0.0745	-	-
Total nitrogen	mg/l	1.76 ± 0.0577	- ± -	0.146	-	-

Sample: N150ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.85 ± 0.0645	- ± -	0.185	-	-

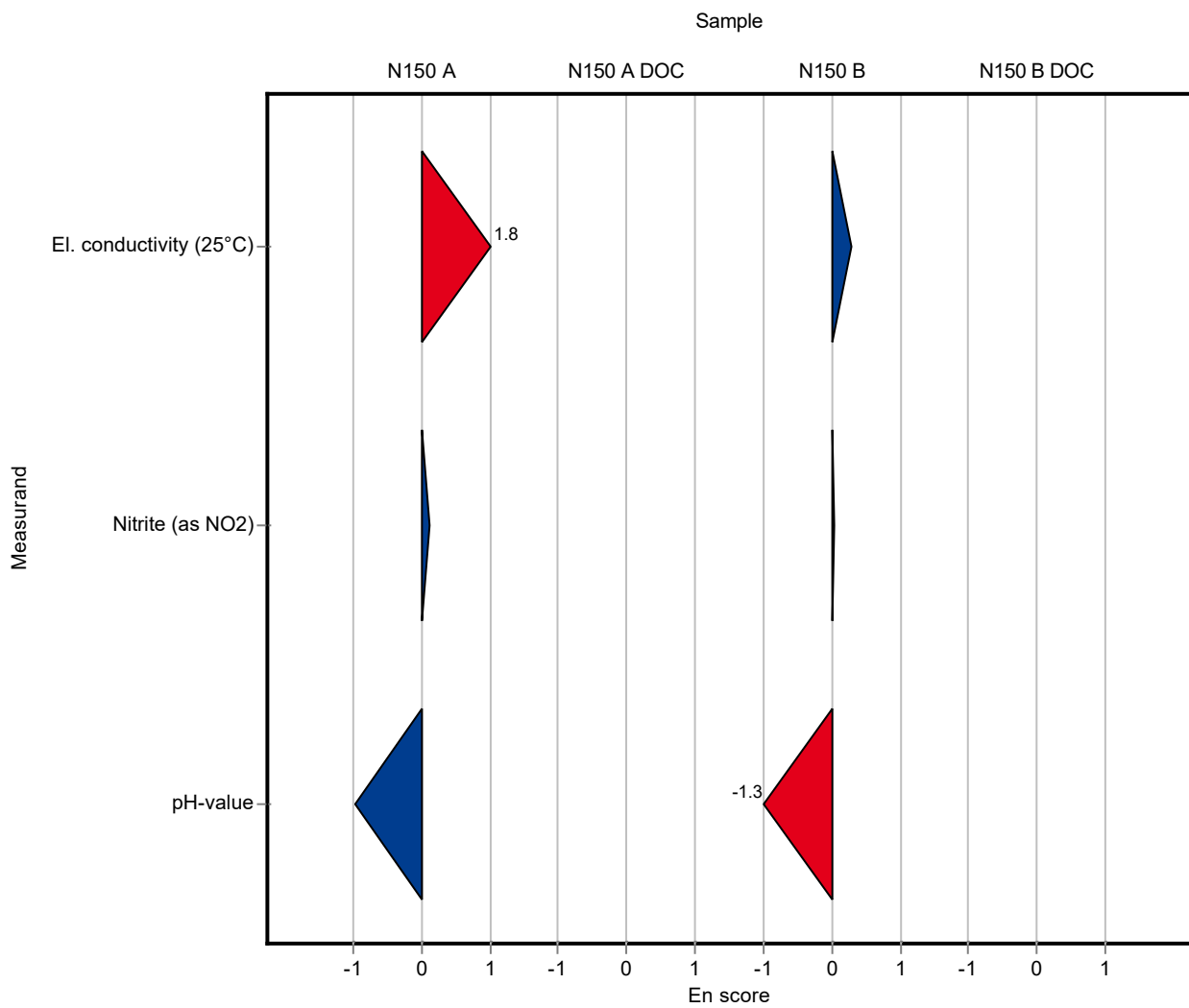
Sample: N150B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	2.74 ± 0.0137	2.69 ± -	0.0547	98.4	0.00
Ammonium (as NH4)	mg/l	0.321 ± 0.00634	- ± -	0.0385	-	-
Boron	mg/l	0.00948 ± 0.00044	- ± -	0.00104	-	-
Calcium	mg/l	48.2 ± 0.463	- ± -	1.5	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Chloride	mg/l	11.5 ± 0.13	- ± -	0.459	-	-
El. conductivity (25°C)	µS/cm	350 ± 1.44	351 ± 0.66	4.56	100	0.28
Hydrogen carbonate	mg/l	165 ± 1.09	160 ± -	3.3	96.9	0.00
Magnesium	mg/l	10.9 ± 0.149	- ± -	0.435	-	-
Nitrate (as NO ₃)	mg/l	12 ± 0.174	- ± -	0.601	-	-
Nitrite (as NO ₂)	mg/l	0.221 ± 0.00316	0.221 ± 0.0004	0.0117	100	0.04
Orthophosphate (as PO ₄)	mg/l	0.166 ± 0.00363	- ± -	0.0149	-	-
pH-value	-	7.74 ± 0.033	7.68 ± 0.014	0.155	99.3	-1.28
Potassium	mg/l	1.24 ± 0.0282	- ± -	0.0644	-	-
Sodium	mg/l	6.39 ± 0.087	- ± -	0.217	-	-
Sulfate (as SO ₄)	mg/l	18.3 ± 0.193	- ± -	0.603	-	-
Total-P (as PO ₄)	mg/l	0.7 ± 0.0182	- ± -	0.0525	-	-
Total hardness	mmol/l	1.68 ± 0.022	- ± -	0.0504	-	-
Total nitrogen	mg/l	3.1 ± 0.101	- ± -	0.258	-	-

Sample: N150BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	2.45 ± 0.0593	- ± -	0.245	-	-



Sample: N150A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	4.1 ± 0.0162	- ± -	0.0821	-	-
Ammonium (as NH ₄)	mg/l	0.0588 ± 0.0023	- ± -	0.00706	-	-
Boron	mg/l	0.0209 ± 0.000944	0.01 ± -	0.0023	47.7	-4.75
Calcium	mg/l	71.6 ± 0.691	81 ± -	2.22	113	4.22
Chloride	mg/l	31 ± 0.209	31.9 ± -	1.24	103	0.72
El. conductivity (25°C)	µS/cm	545 ± 2.62	472 ± -	7.09	86.6	-10.30
Hydrogen carbonate	mg/l	249 ± 1.82	- ± -	4.99	-	-
Magnesium	mg/l	16.2 ± 0.207	16.19 ± -	0.648	99.9	-0.02
Nitrate (as NO ₃)	mg/l	7.06 ± 0.16	6.3 ± -	0.353	89.3	-2.15
Nitrite (as NO ₂)	mg/l	0.202 ± 0.00286	0.15 ± -	0.0107	74.4	-4.84
Orthophosphate (as PO ₄)	mg/l	0.137 ± 0.00441	0.09 ± -	0.0123	65.9	-3.79
pH-value	-	7.77 ± 0.027	7.38 ± -	0.155	95	-2.49
Potassium	mg/l	2.28 ± 0.0331	1.88 ± -	0.118	82.5	-3.36
Sodium	mg/l	17.7 ± 0.216	19.97 ± -	0.602	113	3.75
Sulfate (as SO ₄)	mg/l	31.2 ± 0.278	30.1 ± -	1.03	96.5	-1.07
Total-P (as PO ₄)	mg/l	1.48 ± 0.0285	- ± -	0.111	-	-
Total hardness	mmol/l	2.48 ± 0.0362	4.96 ± -	0.0745	200	33.20
Total nitrogen	mg/l	1.76 ± 0.0577	- ± -	0.146	-	-

Sample: N150ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.85 ± 0.0645	- ± -	0.185	-	-

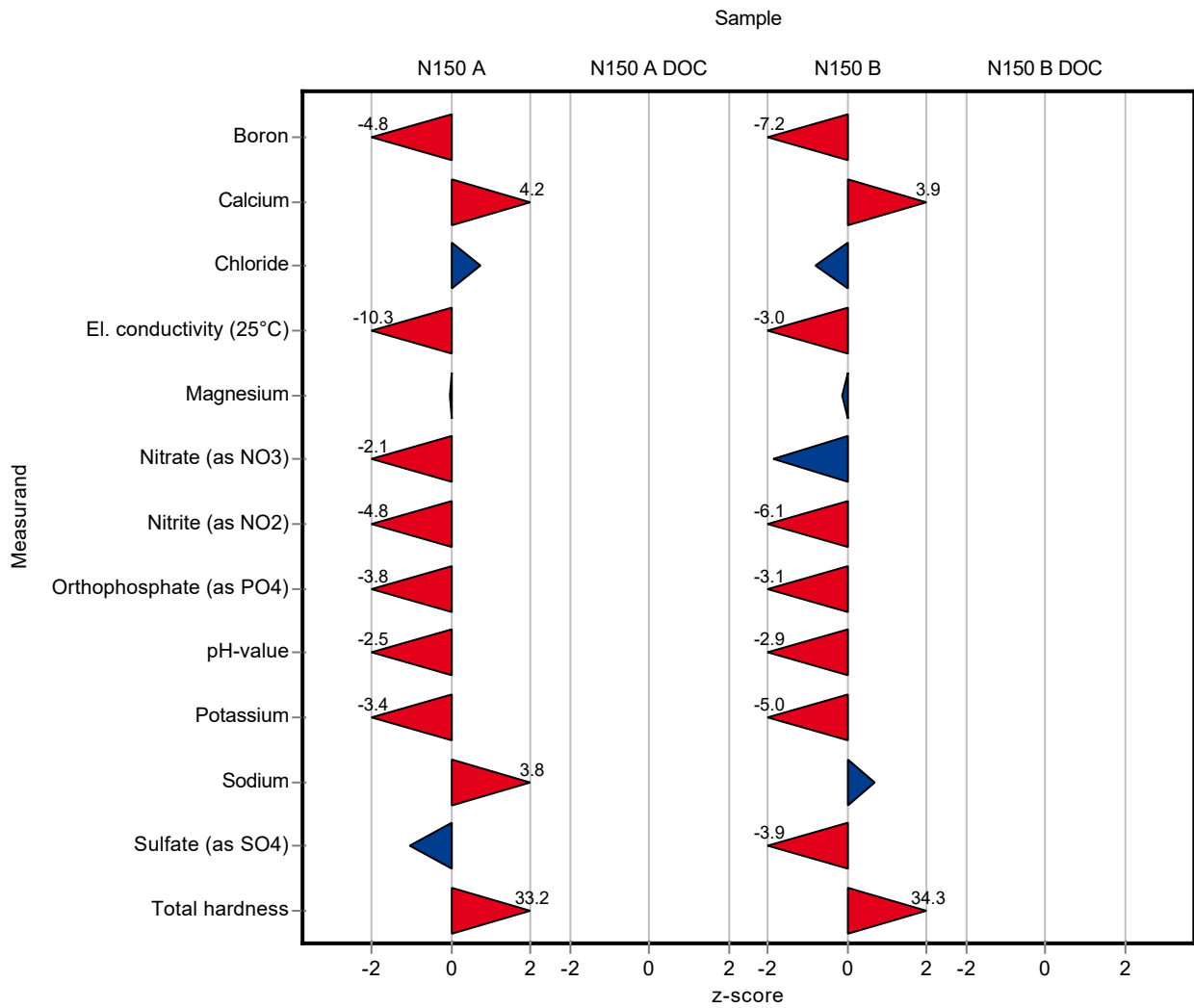
Sample: N150B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	2.74 ± 0.0137	- ± -	0.0547	-	-
Ammonium (as NH ₄)	mg/l	0.321 ± 0.00634	- ± -	0.0385	-	-
Boron	mg/l	0.00948 ± 0.00044	0.002 ± -	0.00104	21.1	-7.17
Calcium	mg/l	48.2 ± 0.463	54 ± -	1.5	112	3.86

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Chloride	mg/l	11.5 ± 0.13	11.1 ± -	0.459	96.7	-0.82
El. conductivity (25°C)	µS/cm	350 ± 1.44	337 ± -	4.56	96.2	-2.95
Hydrogen carbonate	mg/l	165 ± 1.09	- ± -	3.3	-	-
Magnesium	mg/l	10.9 ± 0.149	10.82 ± -	0.435	99.4	-0.14
Nitrate (as NO ₃)	mg/l	12 ± 0.174	10.9 ± -	0.601	90.7	-1.86
Nitrite (as NO ₂)	mg/l	0.221 ± 0.00316	0.15 ± -	0.0117	67.9	-6.05
Orthophosphate (as PO ₄)	mg/l	0.166 ± 0.00363	0.12 ± -	0.0149	72.3	-3.08
pH-value	-	7.74 ± 0.033	7.28 ± -	0.155	94.1	-2.94
Potassium	mg/l	1.24 ± 0.0282	0.92 ± -	0.0644	74.2	-4.95
Sodium	mg/l	6.39 ± 0.087	6.54 ± -	0.217	102	0.68
Sulfate (as SO ₄)	mg/l	18.3 ± 0.193	15.9 ± -	0.603	87	-3.94
Total-P (as PO ₄)	mg/l	0.7 ± 0.0182	- ± -	0.0525	-	-
Total hardness	mmol/l	1.68 ± 0.022	3.41 ± -	0.0504	203	34.30
Total nitrogen	mg/l	3.1 ± 0.101	- ± -	0.258	-	-

Sample: N150BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.45 ± 0.0593	- ± -	0.245	-	-



Sample: N150A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	4.1 ± 0.0162	- ± -	0.0821	-	-
Ammonium (as NH ₄)	mg/l	0.0588 ± 0.0023	- ± -	0.00706	-	-
Boron	mg/l	0.0209 ± 0.000944	0.01 ± -	0.0023	47.7	-
Calcium	mg/l	71.6 ± 0.691	81 ± -	2.22	113	-
Chloride	mg/l	31 ± 0.209	31.9 ± -	1.24	103	-
El. conductivity (25°C)	µS/cm	545 ± 2.62	472 ± -	7.09	86.6	-
Hydrogen carbonate	mg/l	249 ± 1.82	- ± -	4.99	-	-
Magnesium	mg/l	16.2 ± 0.207	16.19 ± -	0.648	99.9	-
Nitrate (as NO ₃)	mg/l	7.06 ± 0.16	6.3 ± -	0.353	89.3	-
Nitrite (as NO ₂)	mg/l	0.202 ± 0.00286	0.15 ± -	0.0107	74.4	-
Orthophosphate (as PO ₄)	mg/l	0.137 ± 0.00441	0.09 ± -	0.0123	65.9	-
pH-value	-	7.77 ± 0.027	7.38 ± -	0.155	95	-
Potassium	mg/l	2.28 ± 0.0331	1.88 ± -	0.118	82.5	-
Sodium	mg/l	17.7 ± 0.216	19.97 ± -	0.602	113	-
Sulfate (as SO ₄)	mg/l	31.2 ± 0.278	30.1 ± -	1.03	96.5	-
Total-P (as PO ₄)	mg/l	1.48 ± 0.0285	- ± -	0.111	-	-
Total hardness	mmol/l	2.48 ± 0.0362	4.96 ± -	0.0745	200	-
Total nitrogen	mg/l	1.76 ± 0.0577	- ± -	0.146	-	-

Sample: N150ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.85 ± 0.0645	- ± -	0.185	-	-

Sample: N150B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	2.74 ± 0.0137	- ± -	0.0547	-	-
Ammonium (as NH ₄)	mg/l	0.321 ± 0.00634	- ± -	0.0385	-	-
Boron	mg/l	0.00948 ± 0.00044	0.002 ± -	0.00104	21.1	-
Calcium	mg/l	48.2 ± 0.463	54 ± -	1.5	112	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Chloride	mg/l	11.5 ± 0.13	11.1 ± -	0.459	96.7	-
El. conductivity (25°C)	µS/cm	350 ± 1.44	337 ± -	4.56	96.2	-
Hydrogen carbonate	mg/l	165 ± 1.09	- ± -	3.3	-	-
Magnesium	mg/l	10.9 ± 0.149	10.82 ± -	0.435	99.4	-
Nitrate (as NO ₃)	mg/l	12 ± 0.174	10.9 ± -	0.601	90.7	-
Nitrite (as NO ₂)	mg/l	0.221 ± 0.00316	0.15 ± -	0.0117	67.9	-
Orthophosphate (as PO ₄)	mg/l	0.166 ± 0.00363	0.12 ± -	0.0149	72.3	-
pH-value	-	7.74 ± 0.033	7.28 ± -	0.155	94.1	-
Potassium	mg/l	1.24 ± 0.0282	0.92 ± -	0.0644	74.2	-
Sodium	mg/l	6.39 ± 0.087	6.54 ± -	0.217	102	-
Sulfate (as SO ₄)	mg/l	18.3 ± 0.193	15.9 ± -	0.603	87	-
Total-P (as PO ₄)	mg/l	0.7 ± 0.0182	- ± -	0.0525	-	-
Total hardness	mmol/l	1.68 ± 0.022	3.41 ± -	0.0504	203	-
Total nitrogen	mg/l	3.1 ± 0.101	- ± -	0.258	-	-

Sample: N150BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	2.45 ± 0.0593	- ± -	0.245	-	-

Sample: N150A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	4.1 ± 0.0162	- ± -	0.0821	-	-
Ammonium (as NH ₄)	mg/l	0.0588 ± 0.0023	0.058 ± 0.009	0.00706	98.7	-0.11
Boron	mg/l	0.0209 ± 0.000944	- ± -	0.0023	-	-
Calcium	mg/l	71.6 ± 0.691	63.33 ± 2.5	2.22	88.4	-3.74
Chloride	mg/l	31 ± 0.209	32.34 ± 1.22	1.24	104	1.08
El. conductivity (25°C)	µS/cm	545 ± 2.62	466 ± 6.06	7.09	85.5	-11.20
Hydrogen carbonate	mg/l	249 ± 1.82	261.2 ± 5.2	4.99	105	2.36
Magnesium	mg/l	16.2 ± 0.207	36.97 ± 1.33	0.648	228	32.00
Nitrate (as NO ₃)	mg/l	7.06 ± 0.16	6.68 ± 0.39	0.353	94.7	-1.07
Nitrite (as NO ₂)	mg/l	0.202 ± 0.00286	0.148 ± 0.01	0.0107	73.4	-5.02
Orthophosphate (as PO ₄)	mg/l	0.137 ± 0.00441	0.092 ± 0.008	0.0123	67.3	-3.63
pH-value	-	7.77 ± 0.027	7.68 ± 0.12	0.155	98.9	-0.56
Potassium	mg/l	2.28 ± 0.0331	2.8 ± 0.22	0.118	123	4.41
Sodium	mg/l	17.7 ± 0.216	7.5 ± 0.32	0.602	42.3	-17.00
Sulfate (as SO ₄)	mg/l	31.2 ± 0.278	18 ± 0.97	1.03	57.7	-12.80
Total-P (as PO ₄)	mg/l	1.48 ± 0.0285	1.434 ± 0.13	0.111	96.6	-0.45
Total hardness	mmol/l	2.48 ± 0.0362	3.1 ± 0.13	0.0745	125	8.27
Total nitrogen	mg/l	1.76 ± 0.0577	- ± -	0.146	-	-

Sample: N150ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.85 ± 0.0645	2.24 ± 0.45	0.185	121	2.10

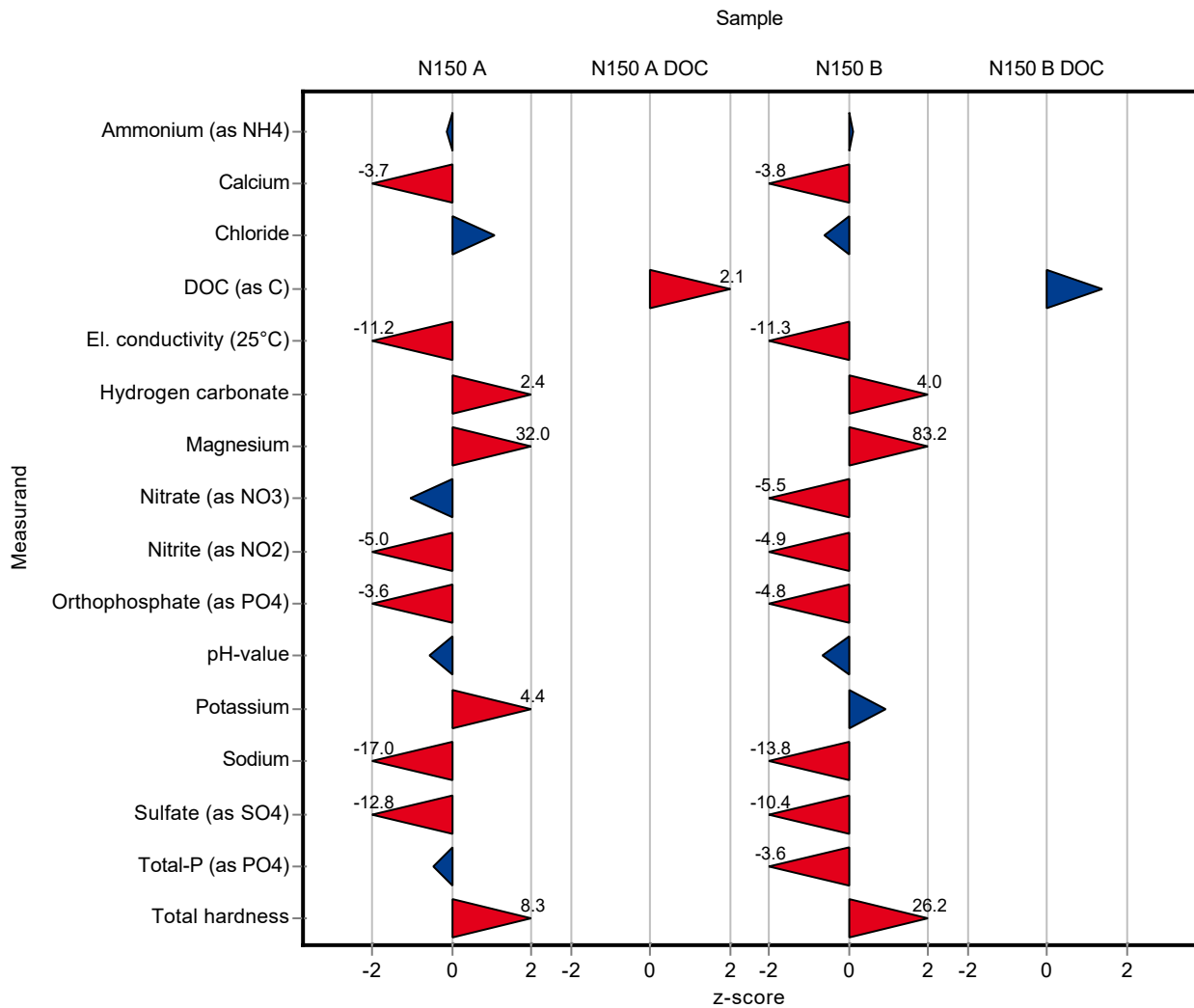
Sample: N150B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	2.74 ± 0.0137	- ± -	0.0547	-	-
Ammonium (as NH ₄)	mg/l	0.321 ± 0.00634	0.325 ± 0.05	0.0385	101	0.11
Boron	mg/l	0.00948 ± 0.00044	- ± -	0.00104	-	-
Calcium	mg/l	48.2 ± 0.463	42.49 ± 1.7	1.5	88.1	-3.84

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Chloride	mg/l	11.5 ± 0.13	11.2 ± 0.45	0.459	97.6	-0.60
El. conductivity (25°C)	µS/cm	350 ± 1.44	299 ± 3.89	4.56	85.3	-11.30
Hydrogen carbonate	mg/l	165 ± 1.09	178.2 ± 3.56	3.3	108	3.98
Magnesium	mg/l	10.9 ± 0.149	47.1 ± 1.7	0.435	433	83.20
Nitrate (as NO ₃)	mg/l	12 ± 0.174	8.732 ± 0.51	0.601	72.7	-5.47
Nitrite (as NO ₂)	mg/l	0.221 ± 0.00316	0.164 ± 0.01	0.0117	74.2	-4.86
Orthophosphate (as PO ₄)	mg/l	0.166 ± 0.00363	0.095 ± 0.009	0.0149	57.2	-4.75
pH-value	-	7.74 ± 0.033	7.63 ± 0.12	0.155	98.6	-0.68
Potassium	mg/l	1.24 ± 0.0282	1.3 ± 0.1	0.0644	105	0.94
Sodium	mg/l	6.39 ± 0.087	3.4 ± 0.15	0.217	53.2	-13.80
Sulfate (as SO ₄)	mg/l	18.3 ± 0.193	12 ± 0.65	0.603	65.7	-10.40
Total-P (as PO ₄)	mg/l	0.7 ± 0.0182	0.51 ± 0.05	0.0525	72.8	-3.62
Total hardness	mmol/l	1.68 ± 0.022	3 ± 0.12	0.0504	179	26.20
Total nitrogen	mg/l	3.1 ± 0.101	- ± -	0.258	-	-

Sample: N150BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.45 ± 0.0593	2.78 ± 0.56	0.245	114	1.37



Sample: N150A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	4.1 ± 0.0162	- ± -	0.0821	-	-
Ammonium (as NH ₄)	mg/l	0.0588 ± 0.0023	0.058 ± 0.009	0.00706	98.7	-0.04
Boron	mg/l	0.0209 ± 0.000944	- ± -	0.0023	-	-
Calcium	mg/l	71.6 ± 0.691	63.33 ± 2.5	2.22	88.4	-1.65
Chloride	mg/l	31 ± 0.209	32.34 ± 1.22	1.24	104	0.55
El. conductivity (25°C)	µS/cm	545 ± 2.62	466 ± 6.06	7.09	85.5	-6.38
Hydrogen carbonate	mg/l	249 ± 1.82	261.2 ± 5.2	4.99	105	1.12
Magnesium	mg/l	16.2 ± 0.207	36.97 ± 1.33	0.648	228	7.78
Nitrate (as NO ₃)	mg/l	7.06 ± 0.16	6.68 ± 0.39	0.353	94.7	-0.47
Nitrite (as NO ₂)	mg/l	0.202 ± 0.00286	0.148 ± 0.01	0.0107	73.4	-2.66
Orthophosphate (as PO ₄)	mg/l	0.137 ± 0.00441	0.092 ± 0.008	0.0123	67.3	-2.69
pH-value	-	7.77 ± 0.027	7.68 ± 0.12	0.155	98.9	-0.36
Potassium	mg/l	2.28 ± 0.0331	2.8 ± 0.22	0.118	123	1.18
Sodium	mg/l	17.7 ± 0.216	7.5 ± 0.32	0.602	42.3	-15.10
Sulfate (as SO ₄)	mg/l	31.2 ± 0.278	18 ± 0.97	1.03	57.7	-6.73
Total-P (as PO ₄)	mg/l	1.48 ± 0.0285	1.434 ± 0.13	0.111	96.6	-0.19
Total hardness	mmol/l	2.48 ± 0.0362	3.1 ± 0.13	0.0745	125	2.35
Total nitrogen	mg/l	1.76 ± 0.0577	- ± -	0.146	-	-

Sample: N150ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.85 ± 0.0645	2.24 ± 0.45	0.185	121	0.43

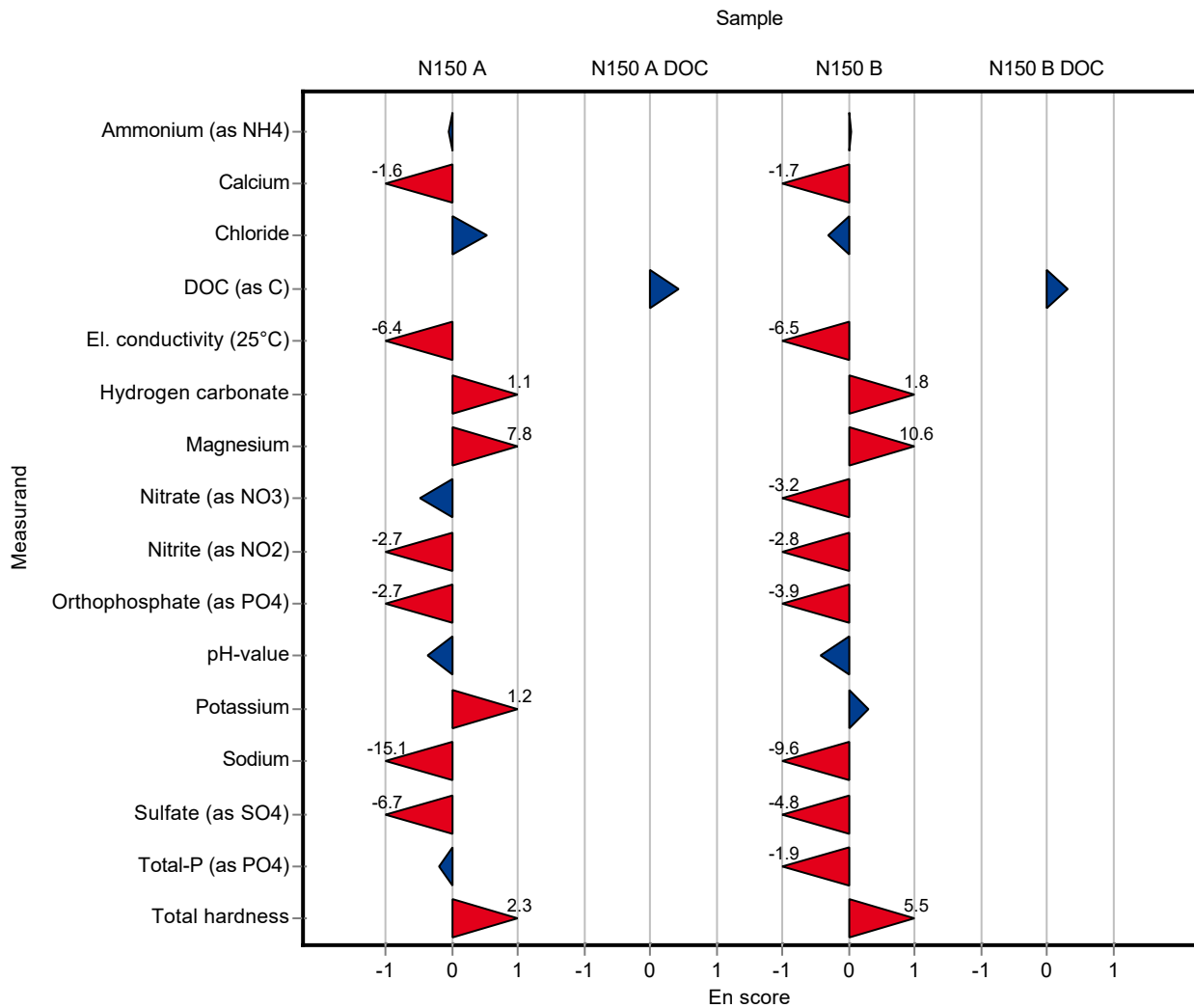
Sample: N150B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	2.74 ± 0.0137	- ± -	0.0547	-	-
Ammonium (as NH ₄)	mg/l	0.321 ± 0.00634	0.325 ± 0.05	0.0385	101	0.04
Boron	mg/l	0.00948 ± 0.00044	- ± -	0.00104	-	-
Calcium	mg/l	48.2 ± 0.463	42.49 ± 1.7	1.5	88.1	-1.67

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Chloride	mg/l	11.5 ± 0.13	11.2 ± 0.45	0.459	97.6	-0.30
El. conductivity (25°C)	µS/cm	350 ± 1.44	299 ± 3.89	4.56	85.3	-6.50
Hydrogen carbonate	mg/l	165 ± 1.09	178.2 ± 3.56	3.3	108	1.83
Magnesium	mg/l	10.9 ± 0.149	47.1 ± 1.7	0.435	433	10.60
Nitrate (as NO ₃)	mg/l	12 ± 0.174	8.732 ± 0.51	0.601	72.7	-3.18
Nitrite (as NO ₂)	mg/l	0.221 ± 0.00316	0.164 ± 0.01	0.0117	74.2	-2.81
Orthophosphate (as PO ₄)	mg/l	0.166 ± 0.00363	0.095 ± 0.009	0.0149	57.2	-3.87
pH-value	-	7.74 ± 0.033	7.63 ± 0.12	0.155	98.6	-0.43
Potassium	mg/l	1.24 ± 0.0282	1.3 ± 0.1	0.0644	105	0.30
Sodium	mg/l	6.39 ± 0.087	3.4 ± 0.15	0.217	53.2	-9.58
Sulfate (as SO ₄)	mg/l	18.3 ± 0.193	12 ± 0.65	0.603	65.7	-4.78
Total-P (as PO ₄)	mg/l	0.7 ± 0.0182	0.51 ± 0.05	0.0525	72.8	-1.87
Total hardness	mmol/l	1.68 ± 0.022	3 ± 0.12	0.0504	179	5.48
Total nitrogen	mg/l	3.1 ± 0.101	- ± -	0.258	-	-

Sample: N150BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	2.45 ± 0.0593	2.78 ± 0.56	0.245	114	0.30



Sample: N150A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	4.1 ± 0.0162	4.157 ± 0.36	0.0821	101	0.64
Ammonium (as NH ₄)	mg/l	0.0588 ± 0.0023	0.062 ± 0.002	0.00706	105	0.46
Boron	mg/l	0.0209 ± 0.000944	- ± -	0.0023	-	-
Calcium	mg/l	71.6 ± 0.691	17.72 ± 0.42	2.22	24.7	-24.30
Chloride	mg/l	31 ± 0.209	32.23 ± 1.1	1.24	104	0.99
El. conductivity (25°C)	µS/cm	545 ± 2.62	535 ± 15	7.09	98.1	-1.43
Hydrogen carbonate	mg/l	249 ± 1.82	- ± -	4.99	-	-
Magnesium	mg/l	16.2 ± 0.207	9.04 ± 0.94	0.648	55.8	-11.10
Nitrate (as NO ₃)	mg/l	7.06 ± 0.16	7.43 ± 0.7	0.353	105	1.06
Nitrite (as NO ₂)	mg/l	0.202 ± 0.00286	0.193 ± 0.017	0.0107	95.7	-0.81
Orthophosphate (as PO ₄)	mg/l	0.137 ± 0.00441	- ± -	0.0123	-	-
pH-value	-	7.77 ± 0.027	7.73 ± 0.2	0.155	99.5	-0.24
Potassium	mg/l	2.28 ± 0.0331	2.44 ± 0.19	0.118	107	1.37
Sodium	mg/l	17.7 ± 0.216	17.27 ± 2.3	0.602	97.5	-0.73
Sulfate (as SO ₄)	mg/l	31.2 ± 0.278	35.04 ± 3.6	1.03	112	3.73
Total-P (as PO ₄)	mg/l	1.48 ± 0.0285	- ± -	0.111	-	-
Total hardness	mmol/l	2.48 ± 0.0362	0.814 ± 0.02	0.0745	32.8	-22.40
Total nitrogen	mg/l	1.76 ± 0.0577	- ± -	0.146	-	-

Sample: N150ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.85 ± 0.0645	- ± -	0.185	-	-

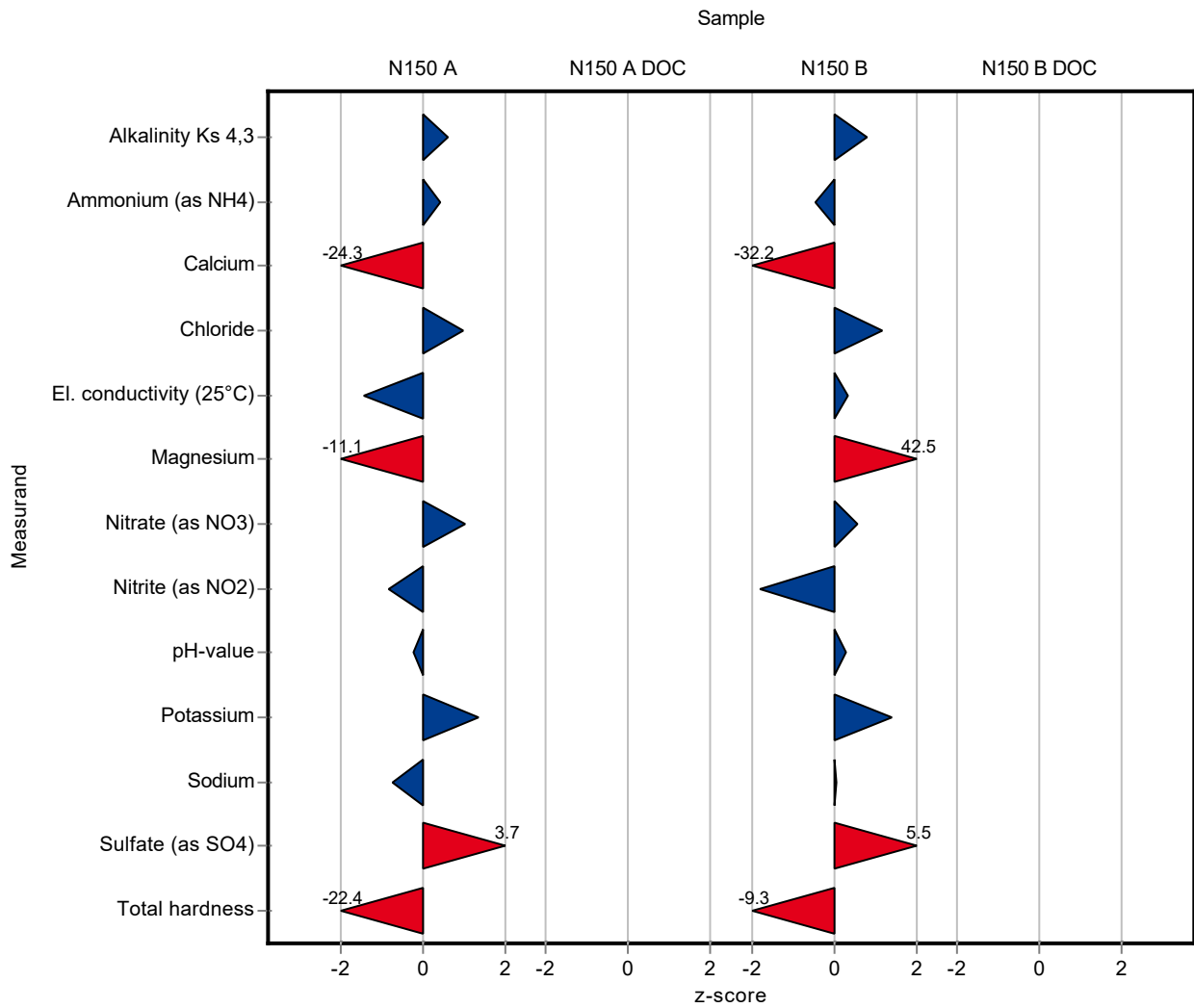
Sample: N150B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	2.74 ± 0.0137	2.779 ± 0.24	0.0547	102	0.80
Ammonium (as NH ₄)	mg/l	0.321 ± 0.00634	0.304 ± 0.028	0.0385	94.8	-0.43
Boron	mg/l	0.00948 ± 0.00044	- ± -	0.00104	-	-
Calcium	mg/l	48.2 ± 0.463	0.12 ± 0.003	1.5	0.249	-32.20

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Chloride	mg/l	11.5 ± 0.13	12.02 ± 0.41	0.459	105	1.19
El. conductivity (25°C)	µS/cm	350 ± 1.44	352 ± 10.2	4.56	100	0.34
Hydrogen carbonate	mg/l	165 ± 1.09	- ± -	3.3	-	-
Magnesium	mg/l	10.9 ± 0.149	29.38 ± 3.05	0.435	270	42.50
Nitrate (as NO ₃)	mg/l	12 ± 0.174	12.37 ± 1.6	0.601	103	0.58
Nitrite (as NO ₂)	mg/l	0.221 ± 0.00316	0.2 ± 0.017	0.0117	90.5	-1.78
Orthophosphate (as PO ₄)	mg/l	0.166 ± 0.00363	- ± -	0.0149	-	-
pH-value	-	7.74 ± 0.033	7.78 ± 0.2	0.155	101	0.29
Potassium	mg/l	1.24 ± 0.0282	1.33 ± 0.105	0.0644	107	1.41
Sodium	mg/l	6.39 ± 0.087	6.4 ± 0.87	0.217	100	0.04
Sulfate (as SO ₄)	mg/l	18.3 ± 0.193	21.6 ± 2.22	0.603	118	5.51
Total-P (as PO ₄)	mg/l	0.7 ± 0.0182	- ± -	0.0525	-	-
Total hardness	mmol/l	1.68 ± 0.022	1.212 ± 0.03	0.0504	72.1	-9.28
Total nitrogen	mg/l	3.1 ± 0.101	- ± -	0.258	-	-

Sample: N150BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.45 ± 0.0593	- ± -	0.245	-	-



Sample: N150A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	4.1 ± 0.0162	4.157 ± 0.36	0.0821	101	0.07
Ammonium (as NH4)	mg/l	0.0588 ± 0.0023	0.062 ± 0.002	0.00706	105	0.70
Boron	mg/l	0.0209 ± 0.000944	- ± -	0.0023	-	-
Calcium	mg/l	71.6 ± 0.691	17.72 ± 0.42	2.22	24.7	-49.60
Chloride	mg/l	31 ± 0.209	32.23 ± 1.1	1.24	104	0.55
El. conductivity (25°C)	µS/cm	545 ± 2.62	535 ± 15	7.09	98.1	-0.34
Hydrogen carbonate	mg/l	249 ± 1.82	- ± -	4.99	-	-
Magnesium	mg/l	16.2 ± 0.207	9.04 ± 0.94	0.648	55.8	-3.79
Nitrate (as NO3)	mg/l	7.06 ± 0.16	7.43 ± 0.7	0.353	105	0.27
Nitrite (as NO2)	mg/l	0.202 ± 0.00286	0.193 ± 0.017	0.0107	95.7	-0.25
Orthophosphate (as PO4)	mg/l	0.137 ± 0.00441	- ± -	0.0123	-	-
pH-value	-	7.77 ± 0.027	7.73 ± 0.2	0.155	99.5	-0.09
Potassium	mg/l	2.28 ± 0.0331	2.44 ± 0.19	0.118	107	0.43
Sodium	mg/l	17.7 ± 0.216	17.27 ± 2.3	0.602	97.5	-0.10
Sulfate (as SO4)	mg/l	31.2 ± 0.278	35.04 ± 3.6	1.03	112	0.53
Total-P (as PO4)	mg/l	1.48 ± 0.0285	- ± -	0.111	-	-
Total hardness	mmol/l	2.48 ± 0.0362	0.814 ± 0.02	0.0745	32.8	-31.00
Total nitrogen	mg/l	1.76 ± 0.0577	- ± -	0.146	-	-

Sample: N150ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.85 ± 0.0645	- ± -	0.185	-	-

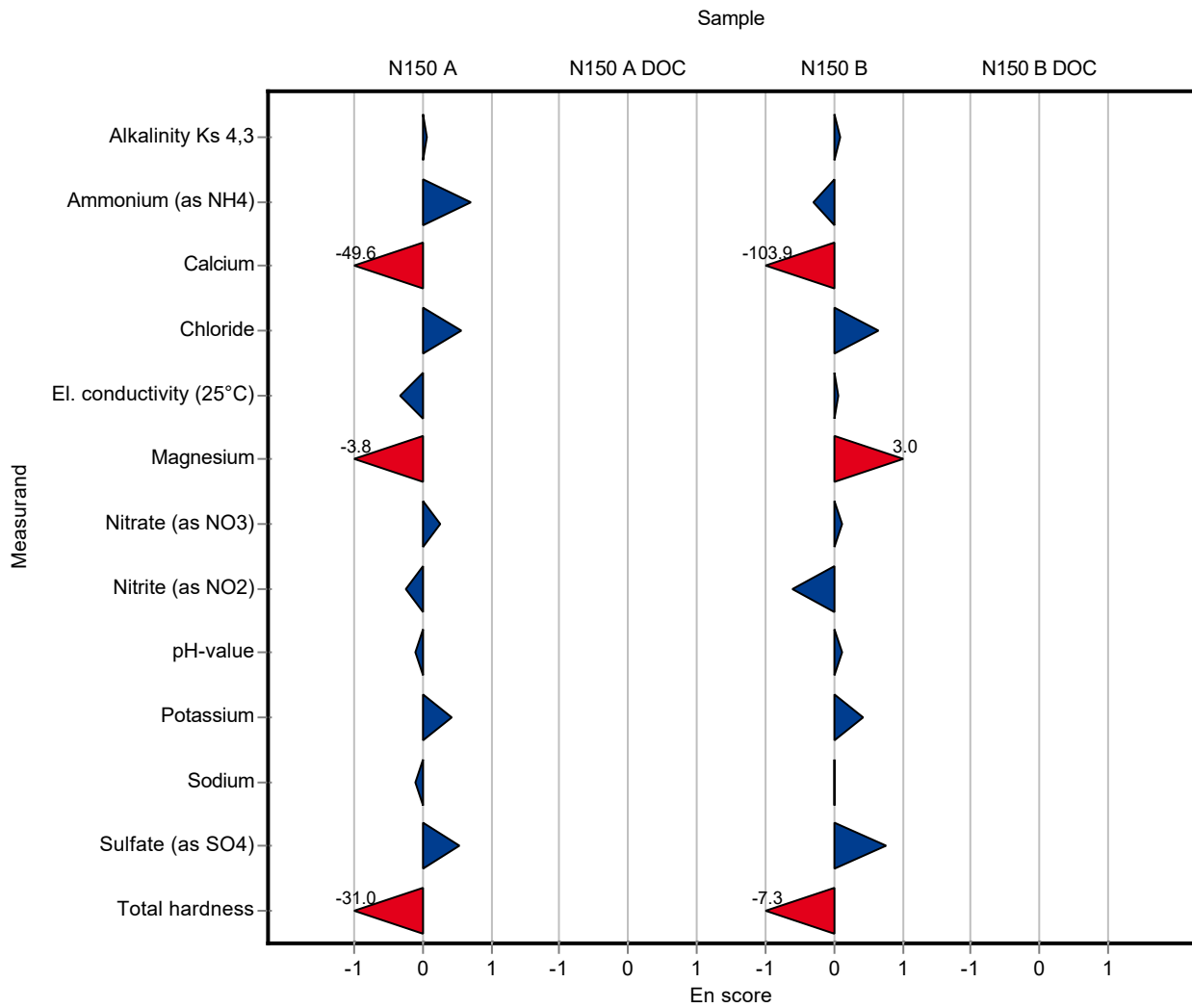
Sample: N150B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	2.74 ± 0.0137	2.779 ± 0.24	0.0547	102	0.09
Ammonium (as NH4)	mg/l	0.321 ± 0.00634	0.304 ± 0.028	0.0385	94.8	-0.30
Boron	mg/l	0.00948 ± 0.00044	- ± -	0.00104	-	-
Calcium	mg/l	48.2 ± 0.463	0.12 ± 0.003	1.5	0.249	-104.00

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Chloride	mg/l	11.5 ± 0.13	12.02 ± 0.41	0.459	105	0.66
El. conductivity (25°C)	µS/cm	350 ± 1.44	352 ± 10.2	4.56	100	0.08
Hydrogen carbonate	mg/l	165 ± 1.09	- ± -	3.3	-	-
Magnesium	mg/l	10.9 ± 0.149	29.38 ± 3.05	0.435	270	3.03
Nitrate (as NO ₃)	mg/l	12 ± 0.174	12.37 ± 1.6	0.601	103	0.11
Nitrite (as NO ₂)	mg/l	0.221 ± 0.00316	0.2 ± 0.017	0.0117	90.5	-0.61
Orthophosphate (as PO ₄)	mg/l	0.166 ± 0.00363	- ± -	0.0149	-	-
pH-value	-	7.74 ± 0.033	7.78 ± 0.2	0.155	101	0.11
Potassium	mg/l	1.24 ± 0.0282	1.33 ± 0.105	0.0644	107	0.43
Sodium	mg/l	6.39 ± 0.087	6.4 ± 0.87	0.217	100	0.00
Sulfate (as SO ₄)	mg/l	18.3 ± 0.193	21.6 ± 2.22	0.603	118	0.75
Total-P (as PO ₄)	mg/l	0.7 ± 0.0182	- ± -	0.0525	-	-
Total hardness	mmol/l	1.68 ± 0.022	1.212 ± 0.03	0.0504	72.1	-7.32
Total nitrogen	mg/l	3.1 ± 0.101	- ± -	0.258	-	-

Sample: N150BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	2.45 ± 0.0593	- ± -	0.245	-	-



Sample: N150A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	4.1 ± 0.0162	4.12 ± 0.41	0.0821	100	0.19
Ammonium (as NH ₄)	mg/l	0.0588 ± 0.0023	0.051 ± 0.004	0.00706	86.8	-1.10
Boron	mg/l	0.0209 ± 0.000944	0.0199 ± 0.003	0.0023	95	-0.45
Calcium	mg/l	71.6 ± 0.691	81.123 ± 8.1	2.22	113	4.27
Chloride	mg/l	31 ± 0.209	30.26 ± 3	1.24	97.6	-0.60
El. conductivity (25°C)	µS/cm	545 ± 2.62	549 ± 4.51	7.09	101	0.55
Hydrogen carbonate	mg/l	249 ± 1.82	248.31 ± 1	4.99	99.6	-0.22
Magnesium	mg/l	16.2 ± 0.207	16.128 ± 1.6	0.648	99.5	-0.11
Nitrate (as NO ₃)	mg/l	7.06 ± 0.16	7.303 ± 0.72	0.353	103	0.70
Nitrite (as NO ₂)	mg/l	0.202 ± 0.00286	0.199 ± 0.02	0.0107	98.7	-0.25
Orthophosphate (as PO ₄)	mg/l	0.137 ± 0.00441	0.144 ± 0.014	0.0123	105	0.60
pH-value	-	7.77 ± 0.027	7.94 ± 0.1	0.155	102	1.11
Potassium	mg/l	2.28 ± 0.0331	2.249 ± 0.21	0.118	98.7	-0.24
Sodium	mg/l	17.7 ± 0.216	17.285 ± 1.6	0.602	97.6	-0.71
Sulfate (as SO ₄)	mg/l	31.2 ± 0.278	30.972 ± 2.95	1.03	99.3	-0.22
Total-P (as PO ₄)	mg/l	1.48 ± 0.0285	1.499 ± 0.15	0.111	101	0.14
Total hardness	mmol/l	2.48 ± 0.0362	2.69 ± 1	0.0745	108	2.77
Total nitrogen	mg/l	1.76 ± 0.0577	1.7 ± 0.26	0.146	96.6	-0.41

Sample: N150ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.85 ± 0.0645	1.76 ± 0.16	0.185	95.1	-0.49

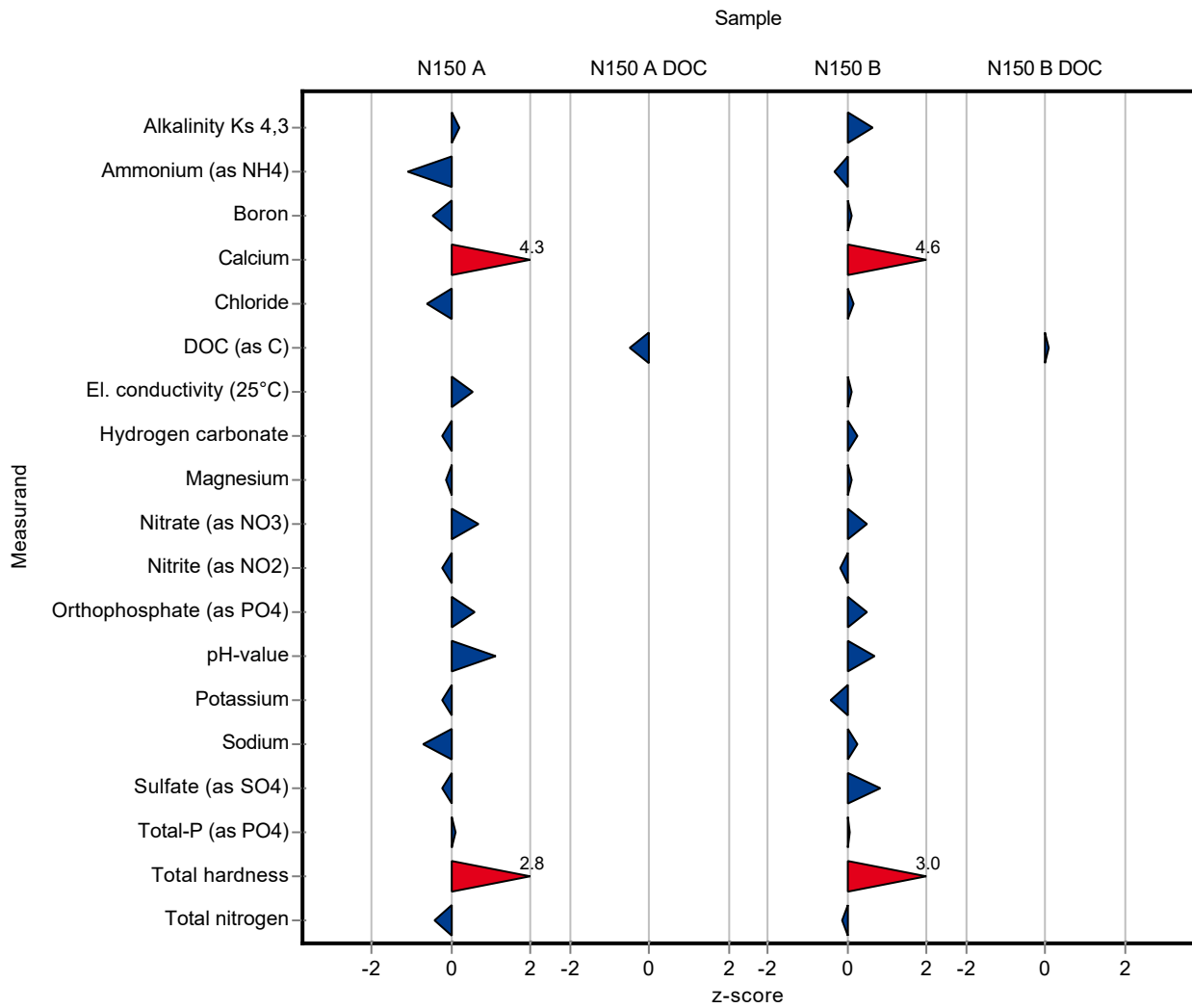
Sample: N150B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	2.74 ± 0.0137	2.77 ± 0.28	0.0547	101	0.64
Ammonium (as NH ₄)	mg/l	0.321 ± 0.00634	0.308 ± 0.025	0.0385	96	-0.33
Boron	mg/l	0.00948 ± 0.00044	0.00961 ± 0.0014	0.00104	101	0.12
Calcium	mg/l	48.2 ± 0.463	55.136 ± 5.4	1.5	114	4.62

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Chloride	mg/l	11.5 ± 0.13	11.545 ± 1.1	0.459	101	0.15
El. conductivity (25°C)	µS/cm	350 ± 1.44	351 ± 4.51	4.56	100	0.12
Hydrogen carbonate	mg/l	165 ± 1.09	165.95 ± 1	3.3	101	0.27
Magnesium	mg/l	10.9 ± 0.149	10.928 ± 1.01	0.435	100	0.10
Nitrate (as NO ₃)	mg/l	12 ± 0.174	12.323 ± 1.2	0.601	103	0.51
Nitrite (as NO ₂)	mg/l	0.221 ± 0.00316	0.219 ± 0.02	0.0117	99.1	-0.16
Orthophosphate (as PO ₄)	mg/l	0.166 ± 0.00363	0.173 ± 0.017	0.0149	104	0.47
pH-value	-	7.74 ± 0.033	7.84 ± 0.1	0.155	101	0.68
Potassium	mg/l	1.24 ± 0.0282	1.213 ± 0.11	0.0644	97.9	-0.41
Sodium	mg/l	6.39 ± 0.087	6.447 ± 0.62	0.217	101	0.25
Sulfate (as SO ₄)	mg/l	18.3 ± 0.193	18.767 ± 1.82	0.603	103	0.81
Total-P (as PO ₄)	mg/l	0.7 ± 0.0182	0.704 ± 0.07	0.0525	101	0.07
Total hardness	mmol/l	1.68 ± 0.022	1.83 ± 1	0.0504	109	2.98
Total nitrogen	mg/l	3.1 ± 0.101	3.07 ± 0.46	0.258	98.9	-0.13

Sample: N150BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.45 ± 0.0593	2.46 ± 0.22	0.245	101	0.06



Sample: N150A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	4.1 ± 0.0162	4.12 ± 0.41	0.0821	100	0.02
Ammonium (as NH ₄)	mg/l	0.0588 ± 0.0023	0.051 ± 0.004	0.00706	86.8	-0.94
Boron	mg/l	0.0209 ± 0.000944	0.0199 ± 0.003	0.0023	95	-0.17
Calcium	mg/l	71.6 ± 0.691	81.123 ± 8.1	2.22	113	0.58
Chloride	mg/l	31 ± 0.209	30.26 ± 3	1.24	97.6	-0.12
El. conductivity (25°C)	µS/cm	545 ± 2.62	549 ± 4.51	7.09	101	0.41
Hydrogen carbonate	mg/l	249 ± 1.82	248.31 ± 1	4.99	99.6	-0.41
Magnesium	mg/l	16.2 ± 0.207	16.128 ± 1.6	0.648	99.5	-0.02
Nitrate (as NO ₃)	mg/l	7.06 ± 0.16	7.303 ± 0.72	0.353	103	0.17
Nitrite (as NO ₂)	mg/l	0.202 ± 0.00286	0.199 ± 0.02	0.0107	98.7	-0.07
Orthophosphate (as PO ₄)	mg/l	0.137 ± 0.00441	0.144 ± 0.014	0.0123	105	0.26
pH-value	-	7.77 ± 0.027	7.94 ± 0.1	0.155	102	0.86
Potassium	mg/l	2.28 ± 0.0331	2.249 ± 0.21	0.118	98.7	-0.07
Sodium	mg/l	17.7 ± 0.216	17.285 ± 1.6	0.602	97.6	-0.13
Sulfate (as SO ₄)	mg/l	31.2 ± 0.278	30.972 ± 2.95	1.03	99.3	-0.04
Total-P (as PO ₄)	mg/l	1.48 ± 0.0285	1.499 ± 0.15	0.111	101	0.05
Total hardness	mmol/l	2.48 ± 0.0362	2.69 ± 1	0.0745	108	0.10
Total nitrogen	mg/l	1.76 ± 0.0577	1.7 ± 0.26	0.146	96.6	-0.12

Sample: N150ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.85 ± 0.0645	1.76 ± 0.16	0.185	95.1	-0.28

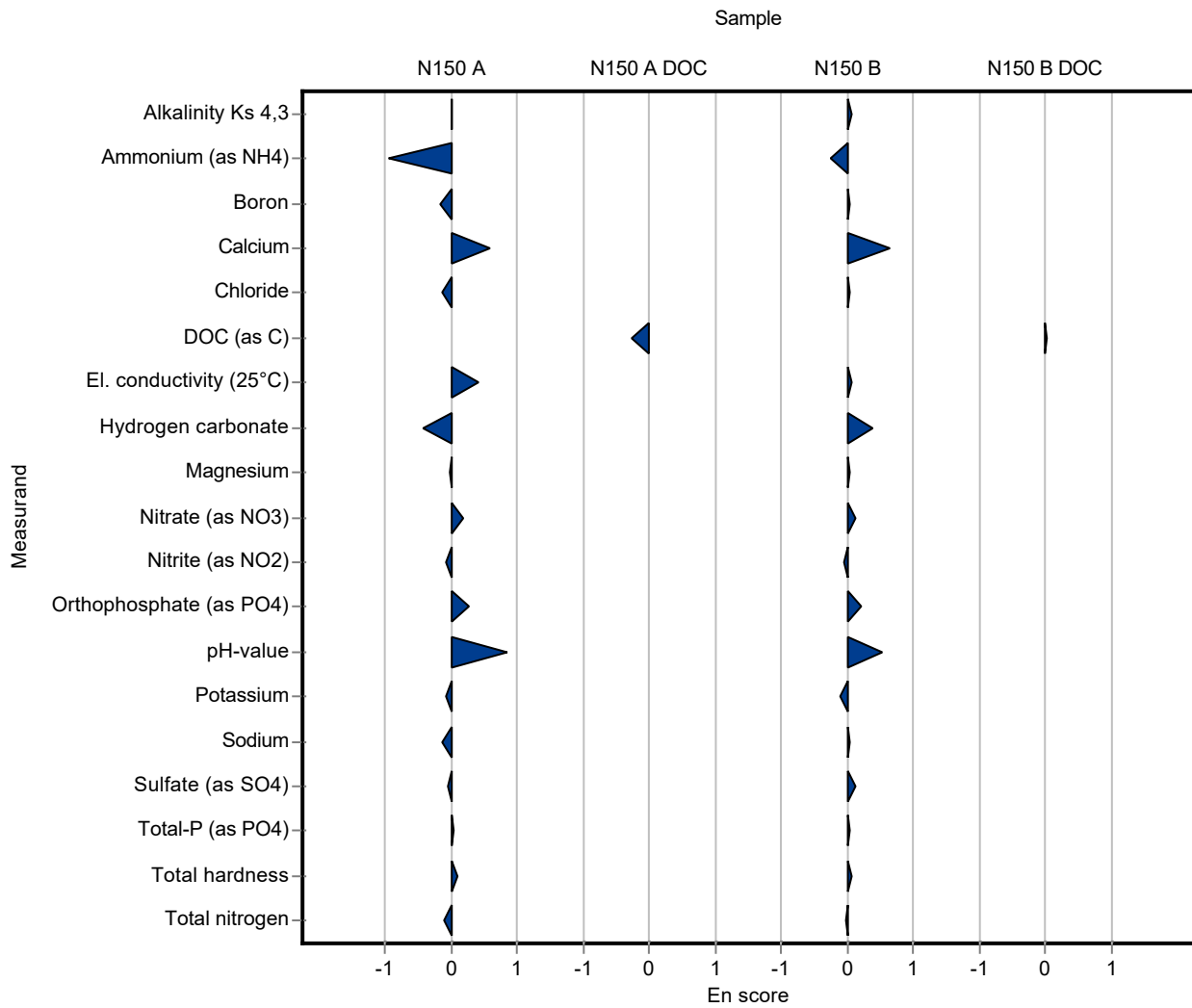
Sample: N150B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	2.74 ± 0.0137	2.77 ± 0.28	0.0547	101	0.06
Ammonium (as NH ₄)	mg/l	0.321 ± 0.00634	0.308 ± 0.025	0.0385	96	-0.25
Boron	mg/l	0.00948 ± 0.00044	0.00961 ± 0.0014	0.00104	101	0.04
Calcium	mg/l	48.2 ± 0.463	55.136 ± 5.4	1.5	114	0.64

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Chloride	mg/l	11.5 ± 0.13	11.545 ± 1.1	0.459	101	0.03
El. conductivity (25°C)	µS/cm	350 ± 1.44	351 ± 4.51	4.56	100	0.06
Hydrogen carbonate	mg/l	165 ± 1.09	165.95 ± 1	3.3	101	0.40
Magnesium	mg/l	10.9 ± 0.149	10.928 ± 1.01	0.435	100	0.02
Nitrate (as NO ₃)	mg/l	12 ± 0.174	12.323 ± 1.2	0.601	103	0.13
Nitrite (as NO ₂)	mg/l	0.221 ± 0.00316	0.219 ± 0.02	0.0117	99.1	-0.05
Orthophosphate (as PO ₄)	mg/l	0.166 ± 0.00363	0.173 ± 0.017	0.0149	104	0.20
pH-value	-	7.74 ± 0.033	7.84 ± 0.1	0.155	101	0.52
Potassium	mg/l	1.24 ± 0.0282	1.213 ± 0.11	0.0644	97.9	-0.12
Sodium	mg/l	6.39 ± 0.087	6.447 ± 0.62	0.217	101	0.04
Sulfate (as SO ₄)	mg/l	18.3 ± 0.193	18.767 ± 1.82	0.603	103	0.13
Total-P (as PO ₄)	mg/l	0.7 ± 0.0182	0.704 ± 0.07	0.0525	101	0.03
Total hardness	mmol/l	1.68 ± 0.022	1.83 ± 1	0.0504	109	0.07
Total nitrogen	mg/l	3.1 ± 0.101	3.07 ± 0.46	0.258	98.9	-0.04

Sample: N150BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	2.45 ± 0.0593	2.46 ± 0.22	0.245	101	0.03



Sample: N150A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	4.1 ± 0.0162	4.1 ± 0.3	0.0821	99.9	-0.05
Ammonium (as NH ₄)	mg/l	0.0588 ± 0.0023	0.063 ± 0.02	0.00706	107	0.60
Boron	mg/l	0.0209 ± 0.000944	0.0202 ± 0.0014	0.0023	96.4	-0.32
Calcium	mg/l	71.6 ± 0.691	74.53 ± 2.98	2.22	104	1.30
Chloride	mg/l	31 ± 0.209	30.41 ± 2.43	1.24	98.1	-0.48
El. conductivity (25°C)	µS/cm	545 ± 2.62	545 ± 11	7.09	100	-0.02
Hydrogen carbonate	mg/l	249 ± 1.82	252.7 ± 20.2	4.99	101	0.66
Magnesium	mg/l	16.2 ± 0.207	16.24 ± 0.97	0.648	100	0.06
Nitrate (as NO ₃)	mg/l	7.06 ± 0.16	7.29 ± 0.29	0.353	103	0.66
Nitrite (as NO ₂)	mg/l	0.202 ± 0.00286	0.196 ± 0.02	0.0107	97.2	-0.53
Orthophosphate (as PO ₄)	mg/l	0.137 ± 0.00441	0.085 ± 0.013	0.0123	62.2	-4.20
pH-value	-	7.77 ± 0.027	7.76 ± 0.14	0.155	99.9	-0.05
Potassium	mg/l	2.28 ± 0.0331	2.33 ± 0.19	0.118	102	0.44
Sodium	mg/l	17.7 ± 0.216	18.71 ± 0.56	0.602	106	1.66
Sulfate (as SO ₄)	mg/l	31.2 ± 0.278	31.06 ± 1.86	1.03	99.6	-0.13
Total-P (as PO ₄)	mg/l	1.48 ± 0.0285	1.448 ± 0.188	0.111	97.6	-0.32
Total hardness	mmol/l	2.48 ± 0.0362	2.49 ± 0.25	0.0745	100	0.08
Total nitrogen	mg/l	1.76 ± 0.0577	- ± -	0.146	-	-

Sample: N150ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.85 ± 0.0645	1.8 ± 0.25	0.185	97.2	-0.28

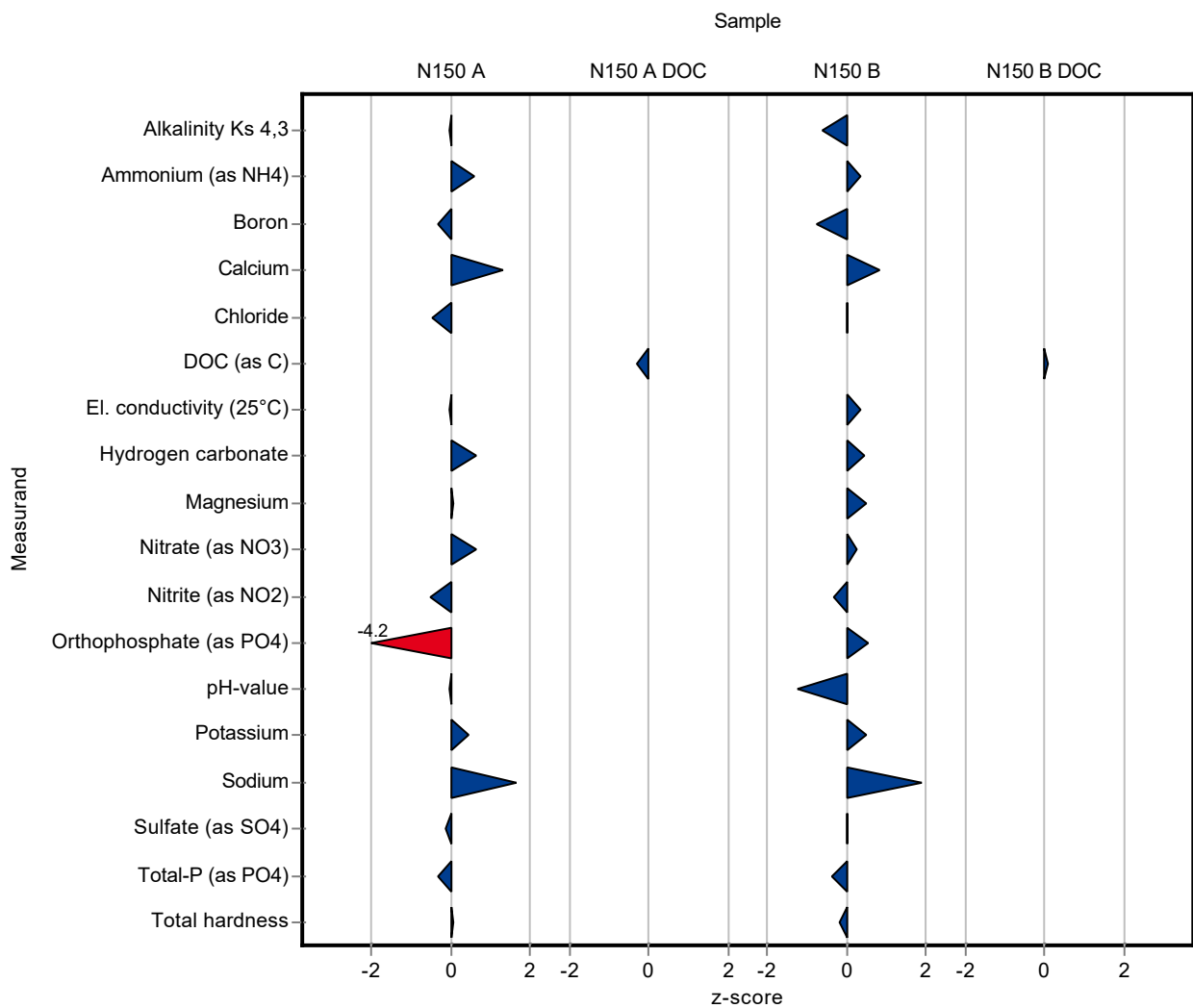
Sample: N150B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	2.74 ± 0.0137	2.7 ± 0.2	0.0547	98.7	-0.64
Ammonium (as NH ₄)	mg/l	0.321 ± 0.00634	0.335 ± 0.104	0.0385	104	0.37
Boron	mg/l	0.00948 ± 0.00044	0.0087 ± 0.0006	0.00104	91.7	-0.75
Calcium	mg/l	48.2 ± 0.463	49.49 ± 1.98	1.5	103	0.84

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Chloride	mg/l	11.5 ± 0.13	11.48 ± 0.8	0.459	100	0.01
El. conductivity (25°C)	µS/cm	350 ± 1.44	352 ± 7	4.56	100	0.34
Hydrogen carbonate	mg/l	165 ± 1.09	166.5 ± 13.3	3.3	101	0.44
Magnesium	mg/l	10.9 ± 0.149	11.1 ± 0.67	0.435	102	0.50
Nitrate (as NO ₃)	mg/l	12 ± 0.174	12.17 ± 0.85	0.601	101	0.25
Nitrite (as NO ₂)	mg/l	0.221 ± 0.00316	0.217 ± 0.022	0.0117	98.2	-0.33
Orthophosphate (as PO ₄)	mg/l	0.166 ± 0.00363	0.174 ± 0.026	0.0149	105	0.54
pH-value	-	7.74 ± 0.033	7.54 ± 0.14	0.155	97.5	-1.26
Potassium	mg/l	1.24 ± 0.0282	1.27 ± 0.1	0.0644	102	0.48
Sodium	mg/l	6.39 ± 0.087	6.8 ± 0.2	0.217	106	1.88
Sulfate (as SO ₄)	mg/l	18.3 ± 0.193	18.29 ± 1.1	0.603	100	0.02
Total-P (as PO ₄)	mg/l	0.7 ± 0.0182	0.68 ± 0.088	0.0525	97.1	-0.38
Total hardness	mmol/l	1.68 ± 0.022	1.67 ± 0.17	0.0504	99.4	-0.20
Total nitrogen	mg/l	3.1 ± 0.101	- ± -	0.258	-	-

Sample: N150BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.45 ± 0.0593	2.46 ± 0.34	0.245	101	0.06



Sample: N150A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	4.1 ± 0.0162	4.1 ± 0.3	0.0821	99.9	-0.01
Ammonium (as NH ₄)	mg/l	0.0588 ± 0.0023	0.063 ± 0.02	0.00706	107	0.10
Boron	mg/l	0.0209 ± 0.000944	0.0202 ± 0.0014	0.0023	96.4	-0.25
Calcium	mg/l	71.6 ± 0.691	74.53 ± 2.98	2.22	104	0.48
Chloride	mg/l	31 ± 0.209	30.41 ± 2.43	1.24	98.1	-0.12
El. conductivity (25°C)	µS/cm	545 ± 2.62	545 ± 11	7.09	100	-0.01
Hydrogen carbonate	mg/l	249 ± 1.82	252.7 ± 20.2	4.99	101	0.08
Magnesium	mg/l	16.2 ± 0.207	16.24 ± 0.97	0.648	100	0.02
Nitrate (as NO ₃)	mg/l	7.06 ± 0.16	7.29 ± 0.29	0.353	103	0.39
Nitrite (as NO ₂)	mg/l	0.202 ± 0.00286	0.196 ± 0.02	0.0107	97.2	-0.14
Orthophosphate (as PO ₄)	mg/l	0.137 ± 0.00441	0.085 ± 0.013	0.0123	62.2	-1.96
pH-value	-	7.77 ± 0.027	7.76 ± 0.14	0.155	99.9	-0.03
Potassium	mg/l	2.28 ± 0.0331	2.33 ± 0.19	0.118	102	0.14
Sodium	mg/l	17.7 ± 0.216	18.71 ± 0.56	0.602	106	0.88
Sulfate (as SO ₄)	mg/l	31.2 ± 0.278	31.06 ± 1.86	1.03	99.6	-0.04
Total-P (as PO ₄)	mg/l	1.48 ± 0.0285	1.448 ± 0.188	0.111	97.6	-0.10
Total hardness	mmol/l	2.48 ± 0.0362	2.49 ± 0.25	0.0745	100	0.01
Total nitrogen	mg/l	1.76 ± 0.0577	- ± -	0.146	-	-

Sample: N150ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.85 ± 0.0645	1.8 ± 0.25	0.185	97.2	-0.10

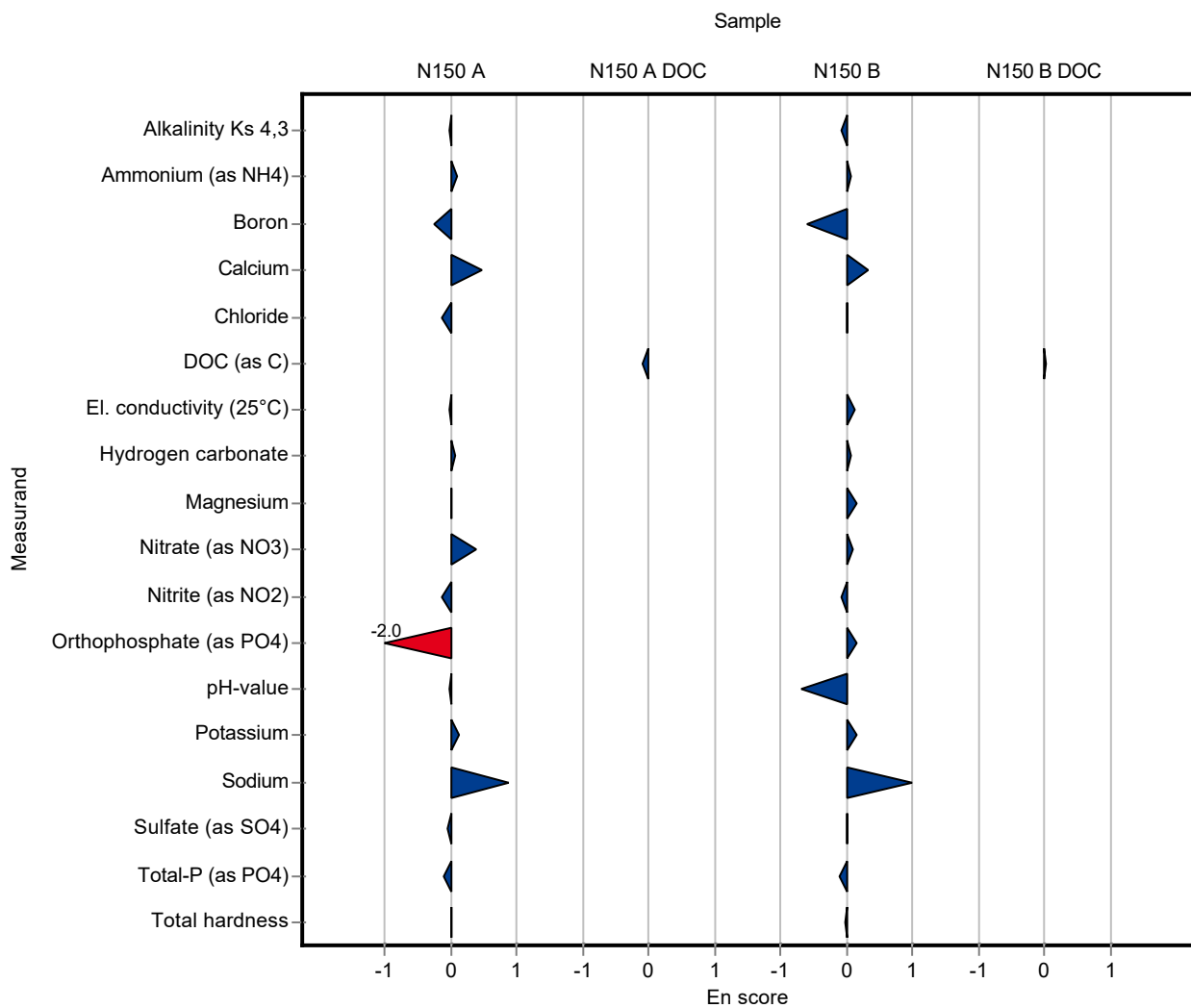
Sample: N150B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	2.74 ± 0.0137	2.7 ± 0.2	0.0547	98.7	-0.09
Ammonium (as NH ₄)	mg/l	0.321 ± 0.00634	0.335 ± 0.104	0.0385	104	0.07
Boron	mg/l	0.00948 ± 0.00044	0.0087 ± 0.0006	0.00104	91.7	-0.61
Calcium	mg/l	48.2 ± 0.463	49.49 ± 1.98	1.5	103	0.32

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Chloride	mg/l	11.5 ± 0.13	11.48 ± 0.8	0.459	100	0.00
El. conductivity (25°C)	µS/cm	350 ± 1.44	352 ± 7	4.56	100	0.11
Hydrogen carbonate	mg/l	165 ± 1.09	166.5 ± 13.3	3.3	101	0.05
Magnesium	mg/l	10.9 ± 0.149	11.1 ± 0.67	0.435	102	0.16
Nitrate (as NO ₃)	mg/l	12 ± 0.174	12.17 ± 0.85	0.601	101	0.09
Nitrite (as NO ₂)	mg/l	0.221 ± 0.00316	0.217 ± 0.022	0.0117	98.2	-0.09
Orthophosphate (as PO ₄)	mg/l	0.166 ± 0.00363	0.174 ± 0.026	0.0149	105	0.15
pH-value	-	7.74 ± 0.033	7.54 ± 0.14	0.155	97.5	-0.69
Potassium	mg/l	1.24 ± 0.0282	1.27 ± 0.1	0.0644	102	0.15
Sodium	mg/l	6.39 ± 0.087	6.8 ± 0.2	0.217	106	1.00
Sulfate (as SO ₄)	mg/l	18.3 ± 0.193	18.29 ± 1.1	0.603	100	0.01
Total-P (as PO ₄)	mg/l	0.7 ± 0.0182	0.68 ± 0.088	0.0525	97.1	-0.11
Total hardness	mmol/l	1.68 ± 0.022	1.67 ± 0.17	0.0504	99.4	-0.03
Total nitrogen	mg/l	3.1 ± 0.101	- ± -	0.258	-	-

Sample: N150BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	2.45 ± 0.0593	2.46 ± 0.34	0.245	101	0.02



Sample: N150A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	4.1 ± 0.0162	4.1 ± 0.003	0.0821	99.9	-0.05
Ammonium (as NH ₄)	mg/l	0.0588 ± 0.0023	0.058 ± 0.013	0.00706	98.7	-0.11
Boron	mg/l	0.0209 ± 0.000944	- ± -	0.0023	-	-
Calcium	mg/l	71.6 ± 0.691	- ± -	2.22	-	-
Chloride	mg/l	31 ± 0.209	- ± -	1.24	-	-
El. conductivity (25°C)	µS/cm	545 ± 2.62	540 ± 1.3	7.09	99.1	-0.72
Hydrogen carbonate	mg/l	249 ± 1.82	250 ± 0.15	4.99	100	0.12
Magnesium	mg/l	16.2 ± 0.207	- ± -	0.648	-	-
Nitrate (as NO ₃)	mg/l	7.06 ± 0.16	8.2 ± 0.27	0.353	116	3.24
Nitrite (as NO ₂)	mg/l	0.202 ± 0.00286	0.2 ± 0.008	0.0107	99.2	-0.15
Orthophosphate (as PO ₄)	mg/l	0.137 ± 0.00441	0.158 ± 0.004	0.0123	116	1.73
pH-value	-	7.77 ± 0.027	7.73 ± 0.049	0.155	99.5	-0.24
Potassium	mg/l	2.28 ± 0.0331	- ± -	0.118	-	-
Sodium	mg/l	17.7 ± 0.216	- ± -	0.602	-	-
Sulfate (as SO ₄)	mg/l	31.2 ± 0.278	- ± -	1.03	-	-
Total-P (as PO ₄)	mg/l	1.48 ± 0.0285	1.407 ± 0.012	0.111	94.8	-0.69
Total hardness	mmol/l	2.48 ± 0.0362	- ± -	0.0745	-	-
Total nitrogen	mg/l	1.76 ± 0.0577	- ± -	0.146	-	-

Sample: N150ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.85 ± 0.0645	2.1 ± 0.15	0.185	113	1.34

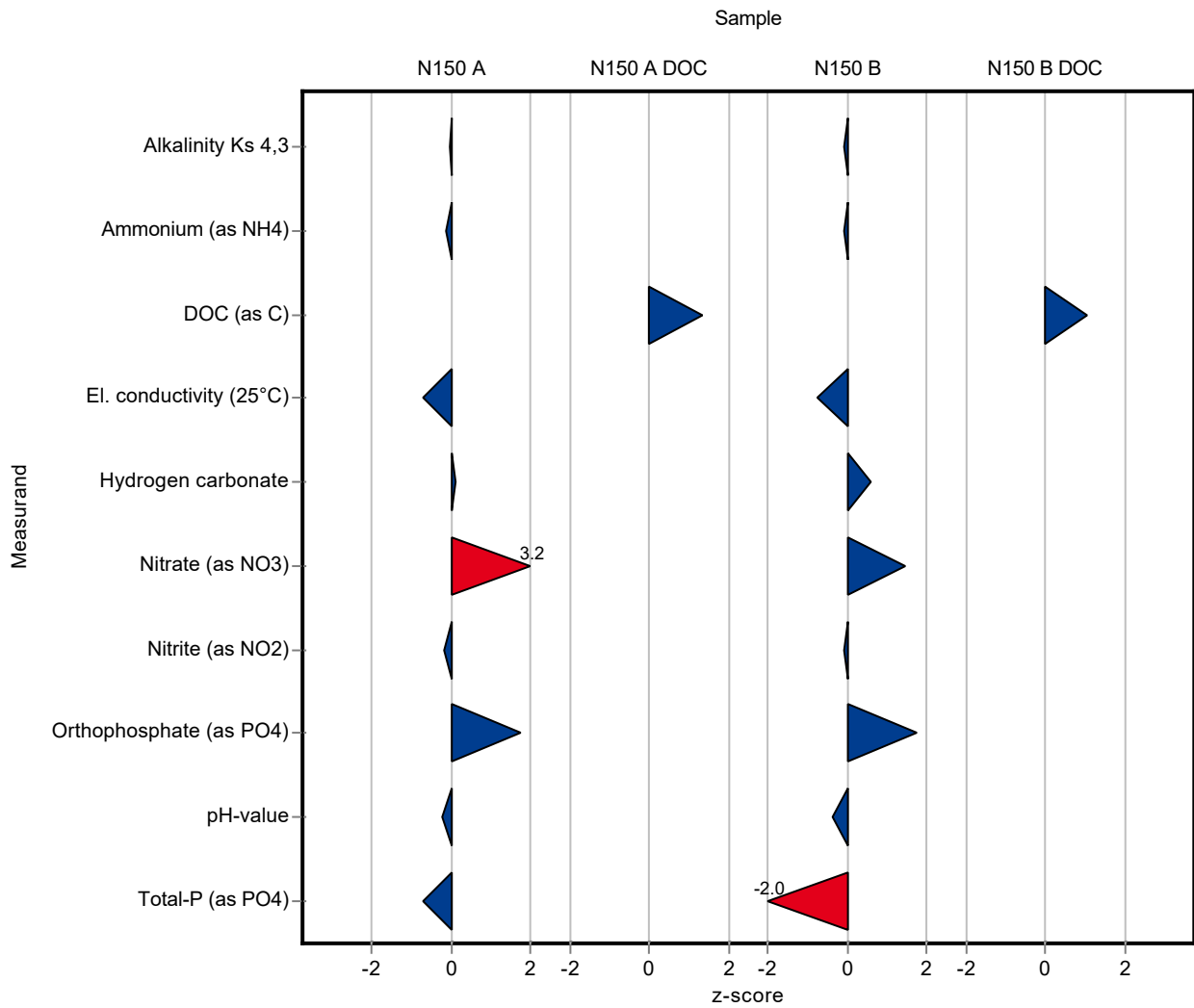
Sample: N150B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	2.74 ± 0.0137	2.73 ± 0.005	0.0547	99.8	-0.09
Ammonium (as NH ₄)	mg/l	0.321 ± 0.00634	0.318 ± 0.004	0.0385	99.2	-0.07
Boron	mg/l	0.00948 ± 0.00044	- ± -	0.00104	-	-
Calcium	mg/l	48.2 ± 0.463	- ± -	1.5	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Chloride	mg/l	11.5 ± 0.13	- ± -	0.459	-	-
El. conductivity (25°C)	µS/cm	350 ± 1.44	347 ± 0.8	4.56	99	-0.76
Hydrogen carbonate	mg/l	165 ± 1.09	167 ± 0.31	3.3	101	0.59
Magnesium	mg/l	10.9 ± 0.149	- ± -	0.435	-	-
Nitrate (as NO ₃)	mg/l	12 ± 0.174	12.9 ± 0.25	0.601	107	1.47
Nitrite (as NO ₂)	mg/l	0.221 ± 0.00316	0.22 ± 0.004	0.0117	99.6	-0.08
Orthophosphate (as PO ₄)	mg/l	0.166 ± 0.00363	0.192 ± 0.004	0.0149	116	1.74
pH-value	-	7.74 ± 0.033	7.68 ± 0.035	0.155	99.3	-0.36
Potassium	mg/l	1.24 ± 0.0282	- ± -	0.0644	-	-
Sodium	mg/l	6.39 ± 0.087	- ± -	0.217	-	-
Sulfate (as SO ₄)	mg/l	18.3 ± 0.193	- ± -	0.603	-	-
Total-P (as PO ₄)	mg/l	0.7 ± 0.0182	0.595 ± 0.015	0.0525	85	-2.00
Total hardness	mmol/l	1.68 ± 0.022	- ± -	0.0504	-	-
Total nitrogen	mg/l	3.1 ± 0.101	- ± -	0.258	-	-

Sample: N150BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.45 ± 0.0593	2.7 ± 0.05	0.245	110	1.04



Sample: N150A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	4.1 ± 0.0162	4.1 ± 0.003	0.0821	99.9	-0.26
Ammonium (as NH4)	mg/l	0.0588 ± 0.0023	0.058 ± 0.013	0.00706	98.7	-0.03
Boron	mg/l	0.0209 ± 0.000944	- ± -	0.0023	-	-
Calcium	mg/l	71.6 ± 0.691	- ± -	2.22	-	-
Chloride	mg/l	31 ± 0.209	- ± -	1.24	-	-
El. conductivity (25°C)	µS/cm	545 ± 2.62	540 ± 1.3	7.09	99.1	-1.39
Hydrogen carbonate	mg/l	249 ± 1.82	250 ± 0.15	4.99	100	0.31
Magnesium	mg/l	16.2 ± 0.207	- ± -	0.648	-	-
Nitrate (as NO3)	mg/l	7.06 ± 0.16	8.2 ± 0.27	0.353	116	2.03
Nitrite (as NO2)	mg/l	0.202 ± 0.00286	0.2 ± 0.008	0.0107	99.2	-0.10
Orthophosphate (as PO4)	mg/l	0.137 ± 0.00441	0.158 ± 0.004	0.0123	116	2.34
pH-value	-	7.77 ± 0.027	7.73 ± 0.049	0.155	99.5	-0.37
Potassium	mg/l	2.28 ± 0.0331	- ± -	0.118	-	-
Sodium	mg/l	17.7 ± 0.216	- ± -	0.602	-	-
Sulfate (as SO4)	mg/l	31.2 ± 0.278	- ± -	1.03	-	-
Total-P (as PO4)	mg/l	1.48 ± 0.0285	1.407 ± 0.012	0.111	94.8	-2.06
Total hardness	mmol/l	2.48 ± 0.0362	- ± -	0.0745	-	-
Total nitrogen	mg/l	1.76 ± 0.0577	- ± -	0.146	-	-

Sample: N150ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.85 ± 0.0645	2.1 ± 0.15	0.185	113	0.81

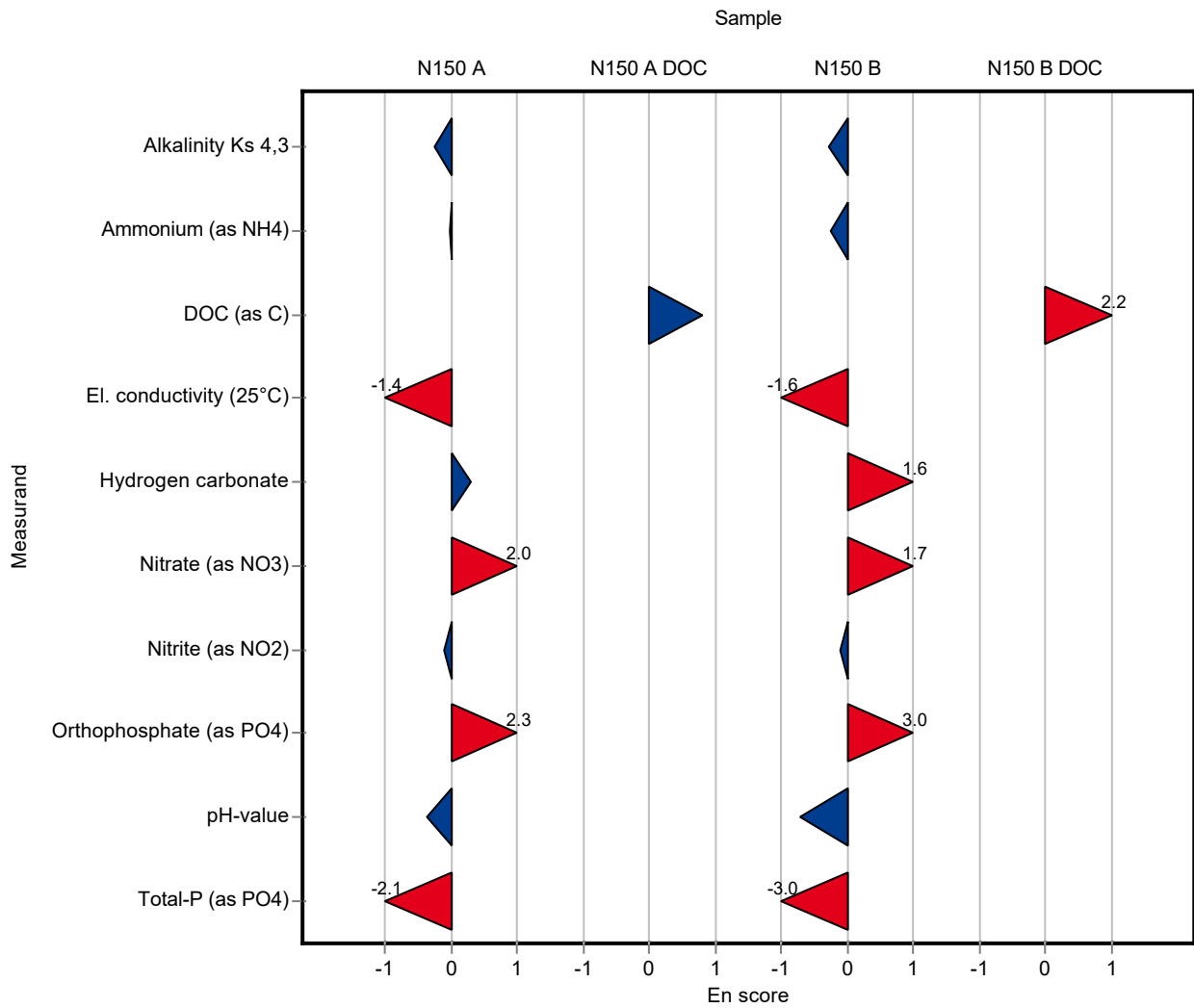
Sample: N150B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	2.74 ± 0.0137	2.73 ± 0.005	0.0547	99.8	-0.30
Ammonium (as NH4)	mg/l	0.321 ± 0.00634	0.318 ± 0.004	0.0385	99.2	-0.26
Boron	mg/l	0.00948 ± 0.00044	- ± -	0.00104	-	-
Calcium	mg/l	48.2 ± 0.463	- ± -	1.5	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Chloride	mg/l	11.5 ± 0.13	- ± -	0.459	-	-
El. conductivity (25°C)	µS/cm	350 ± 1.44	347 ± 0.8	4.56	99	-1.61
Hydrogen carbonate	mg/l	165 ± 1.09	167 ± 0.31	3.3	101	1.56
Magnesium	mg/l	10.9 ± 0.149	- ± -	0.435	-	-
Nitrate (as NO ₃)	mg/l	12 ± 0.174	12.9 ± 0.25	0.601	107	1.66
Nitrite (as NO ₂)	mg/l	0.221 ± 0.00316	0.22 ± 0.004	0.0117	99.6	-0.10
Orthophosphate (as PO ₄)	mg/l	0.166 ± 0.00363	0.192 ± 0.004	0.0149	116	2.96
pH-value	-	7.74 ± 0.033	7.68 ± 0.035	0.155	99.3	-0.71
Potassium	mg/l	1.24 ± 0.0282	- ± -	0.0644	-	-
Sodium	mg/l	6.39 ± 0.087	- ± -	0.217	-	-
Sulfate (as SO ₄)	mg/l	18.3 ± 0.193	- ± -	0.603	-	-
Total-P (as PO ₄)	mg/l	0.7 ± 0.0182	0.595 ± 0.015	0.0525	85	-3.00
Total hardness	mmol/l	1.68 ± 0.022	- ± -	0.0504	-	-
Total nitrogen	mg/l	3.1 ± 0.101	- ± -	0.258	-	-

Sample: N150BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	2.45 ± 0.0593	2.7 ± 0.05	0.245	110	2.19



Sample: N150A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	4.1 ± 0.0162	4.2 ± 0.2	0.0821	102	1.16
Ammonium (as NH ₄)	mg/l	0.0588 ± 0.0023	0.057 ± 0.01	0.00706	97	-0.25
Boron	mg/l	0.0209 ± 0.000944	0.018 ± 0.004	0.0023	85.9	-1.28
Calcium	mg/l	71.6 ± 0.691	69.9 ± 10	2.22	97.6	-0.78
Chloride	mg/l	31 ± 0.209	31.3 ± 5.3	1.24	101	0.24
El. conductivity (25°C)	µS/cm	545 ± 2.62	549 ± 13	7.09	101	0.55
Hydrogen carbonate	mg/l	249 ± 1.82	253 ± 12	4.99	101	0.72
Magnesium	mg/l	16.2 ± 0.207	16.1 ± 1.55	0.648	99.4	-0.16
Nitrate (as NO ₃)	mg/l	7.06 ± 0.16	7.08 ± 1.1	0.353	100	0.06
Nitrite (as NO ₂)	mg/l	0.202 ± 0.00286	0.204 ± 0.035	0.0107	101	0.22
Orthophosphate (as PO ₄)	mg/l	0.137 ± 0.00441	0.14 ± 0.02	0.0123	102	0.27
pH-value	-	7.77 ± 0.027	7.9 ± 0.1	0.155	102	0.85
Potassium	mg/l	2.28 ± 0.0331	2.22 ± 0.25	0.118	97.5	-0.49
Sodium	mg/l	17.7 ± 0.216	17.8 ± 2	0.602	101	0.15
Sulfate (as SO ₄)	mg/l	31.2 ± 0.278	31.3 ± 4.2	1.03	100	0.10
Total-P (as PO ₄)	mg/l	1.48 ± 0.0285	1.45 ± 0.27	0.111	97.7	-0.30
Total hardness	mmol/l	2.48 ± 0.0362	- ± -	0.0745	-	-
Total nitrogen	mg/l	1.76 ± 0.0577	- ± -	0.146	-	-

Sample: N150ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.85 ± 0.0645	1.53 ± 0.26	0.185	82.6	-1.74

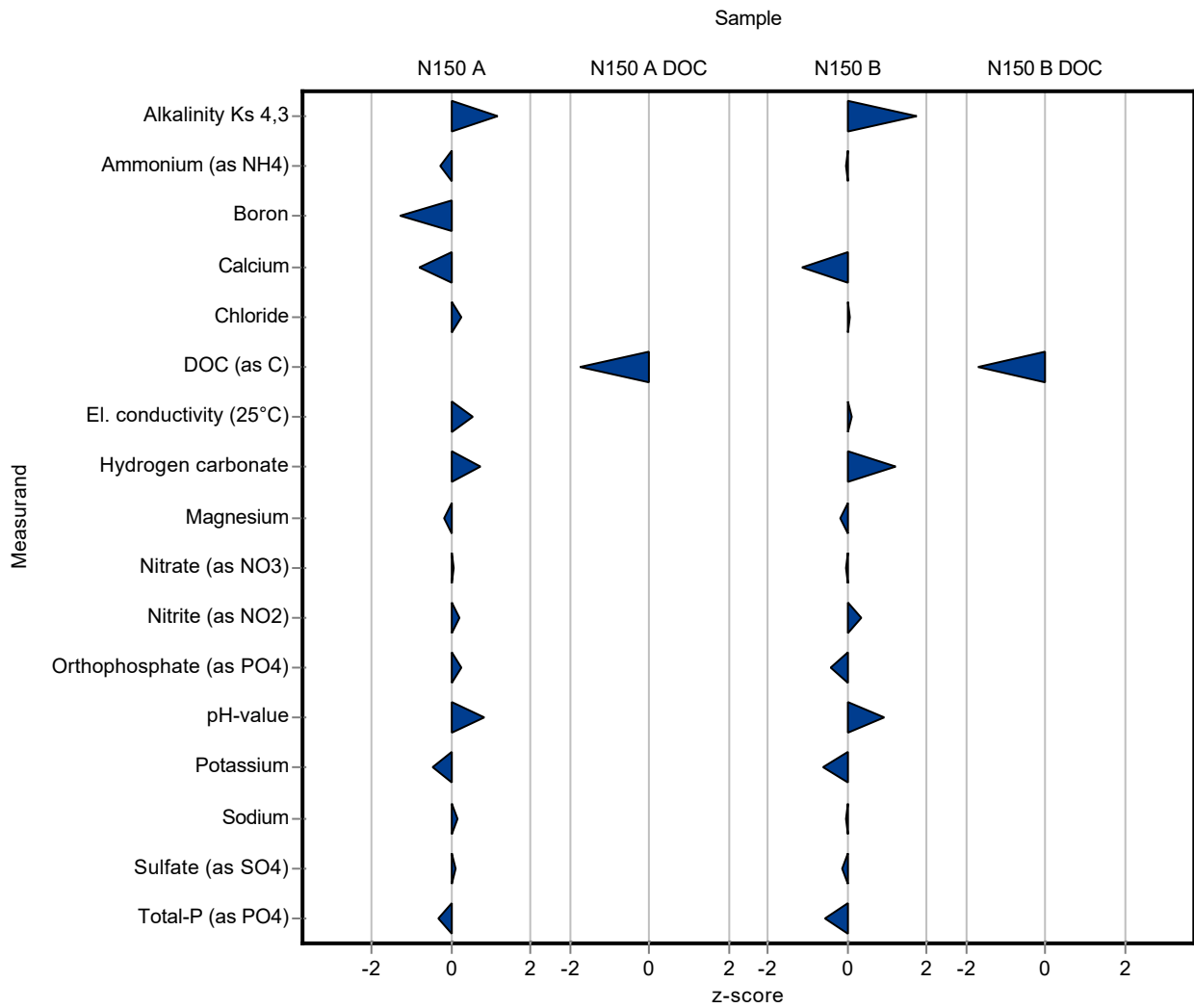
Sample: N150B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	2.74 ± 0.0137	2.83 ± 0.14	0.0547	103	1.74
Ammonium (as NH ₄)	mg/l	0.321 ± 0.00634	0.32 ± 0.05	0.0385	99.8	-0.02
Boron	mg/l	0.00948 ± 0.00044	- ± -	0.00104	-	-
Calcium	mg/l	48.2 ± 0.463	46.5 ± 6.6	1.5	96.4	-1.16

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Chloride	mg/l	11.5 ± 0.13	11.5 ± 2.1	0.459	100	0.05
El. conductivity (25°C)	µS/cm	350 ± 1.44	351 ± 8.8	4.56	100	0.12
Hydrogen carbonate	mg/l	165 ± 1.09	169 ± 8.4	3.3	102	1.20
Magnesium	mg/l	10.9 ± 0.149	10.8 ± 1.02	0.435	99.2	-0.19
Nitrate (as NO ₃)	mg/l	12 ± 0.174	12 ± 1.8	0.601	99.8	-0.03
Nitrite (as NO ₂)	mg/l	0.221 ± 0.00316	0.225 ± 0.039	0.0117	102	0.35
Orthophosphate (as PO ₄)	mg/l	0.166 ± 0.00363	0.16 ± 0.02	0.0149	96.4	-0.40
pH-value	-	7.74 ± 0.033	7.88 ± 0.1	0.155	102	0.94
Potassium	mg/l	1.24 ± 0.0282	1.2 ± 0.13	0.0644	96.8	-0.61
Sodium	mg/l	6.39 ± 0.087	6.38 ± 0.74	0.217	99.8	-0.06
Sulfate (as SO ₄)	mg/l	18.3 ± 0.193	18.2 ± 2.5	0.603	99.6	-0.13
Total-P (as PO ₄)	mg/l	0.7 ± 0.0182	0.67 ± 0.12	0.0525	95.7	-0.57
Total hardness	mmol/l	1.68 ± 0.022	- ± -	0.0504	-	-
Total nitrogen	mg/l	3.1 ± 0.101	- ± -	0.258	-	-

Sample: N150BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.45 ± 0.0593	2.03 ± 0.29	0.245	83	-1.70



Sample: N150A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	4.1 ± 0.0162	4.2 ± 0.2	0.0821	102	0.24
Ammonium (as NH ₄)	mg/l	0.0588 ± 0.0023	0.057 ± 0.01	0.00706	97	-0.09
Boron	mg/l	0.0209 ± 0.000944	0.018 ± 0.004	0.0023	85.9	-0.37
Calcium	mg/l	71.6 ± 0.691	69.9 ± 10	2.22	97.6	-0.09
Chloride	mg/l	31 ± 0.209	31.3 ± 5.3	1.24	101	0.03
El. conductivity (25°C)	µS/cm	545 ± 2.62	549 ± 13	7.09	101	0.15
Hydrogen carbonate	mg/l	249 ± 1.82	253 ± 12	4.99	101	0.15
Magnesium	mg/l	16.2 ± 0.207	16.1 ± 1.55	0.648	99.4	-0.03
Nitrate (as NO ₃)	mg/l	7.06 ± 0.16	7.08 ± 1.1	0.353	100	0.01
Nitrite (as NO ₂)	mg/l	0.202 ± 0.00286	0.204 ± 0.035	0.0107	101	0.03
Orthophosphate (as PO ₄)	mg/l	0.137 ± 0.00441	0.14 ± 0.02	0.0123	102	0.08
pH-value	-	7.77 ± 0.027	7.9 ± 0.1	0.155	102	0.66
Potassium	mg/l	2.28 ± 0.0331	2.22 ± 0.25	0.118	97.5	-0.12
Sodium	mg/l	17.7 ± 0.216	17.8 ± 2	0.602	101	0.02
Sulfate (as SO ₄)	mg/l	31.2 ± 0.278	31.3 ± 4.2	1.03	100	0.01
Total-P (as PO ₄)	mg/l	1.48 ± 0.0285	1.45 ± 0.27	0.111	97.7	-0.06
Total hardness	mmol/l	2.48 ± 0.0362	- ± -	0.0745	-	-
Total nitrogen	mg/l	1.76 ± 0.0577	- ± -	0.146	-	-

Sample: N150ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.85 ± 0.0645	1.53 ± 0.26	0.185	82.6	-0.61

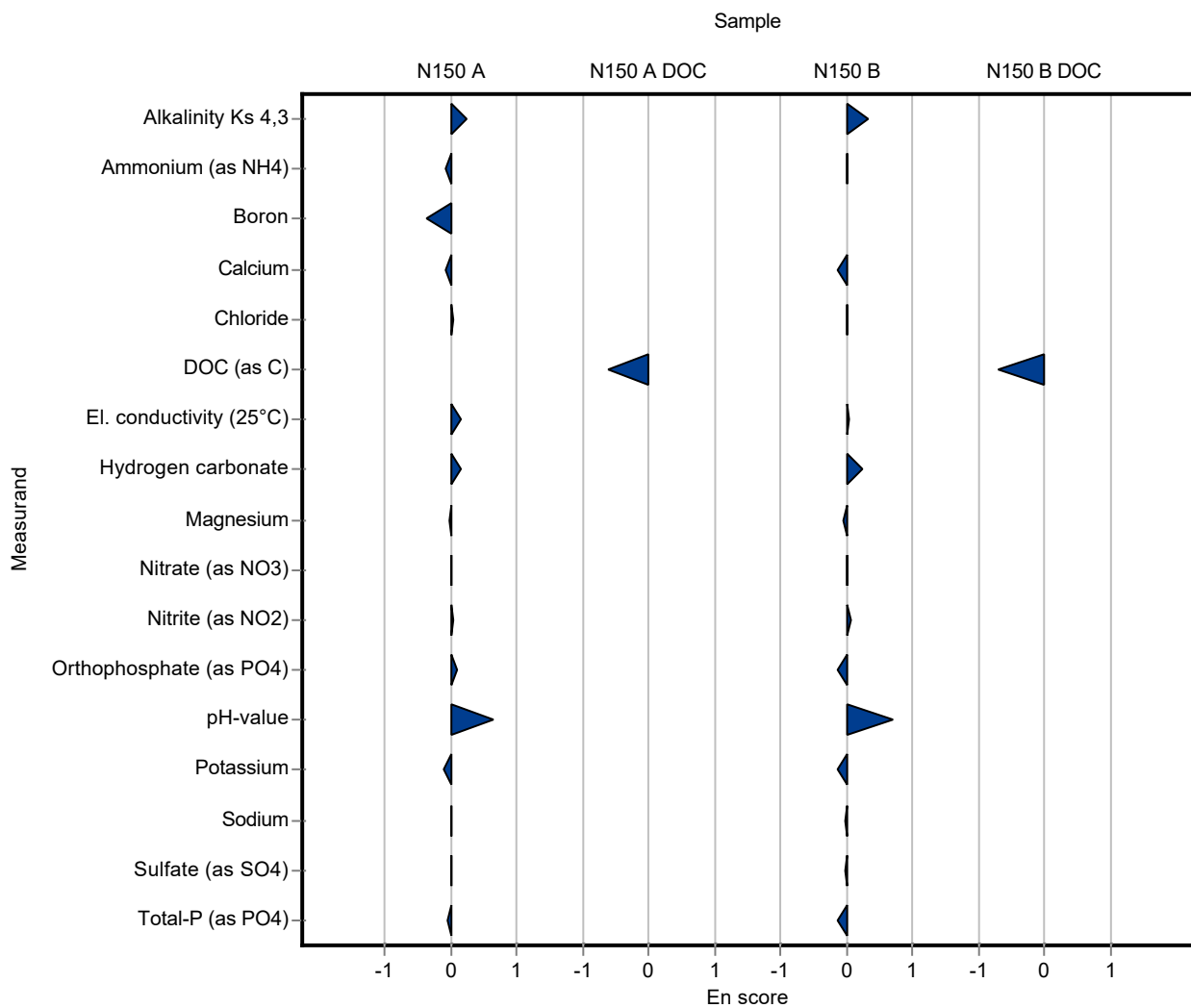
Sample: N150B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	2.74 ± 0.0137	2.83 ± 0.14	0.0547	103	0.34
Ammonium (as NH ₄)	mg/l	0.321 ± 0.00634	0.32 ± 0.05	0.0385	99.8	-0.01
Boron	mg/l	0.00948 ± 0.00044	- ± -	0.00104	-	-
Calcium	mg/l	48.2 ± 0.463	46.5 ± 6.6	1.5	96.4	-0.13

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Chloride	mg/l	11.5 ± 0.13	11.5 ± 2.1	0.459	100	0.01
El. conductivity (25°C)	µS/cm	350 ± 1.44	351 ± 8.8	4.56	100	0.03
Hydrogen carbonate	mg/l	165 ± 1.09	169 ± 8.4	3.3	102	0.23
Magnesium	mg/l	10.9 ± 0.149	10.8 ± 1.02	0.435	99.2	-0.04
Nitrate (as NO ₃)	mg/l	12 ± 0.174	12 ± 1.8	0.601	99.8	-0.01
Nitrite (as NO ₂)	mg/l	0.221 ± 0.00316	0.225 ± 0.039	0.0117	102	0.05
Orthophosphate (as PO ₄)	mg/l	0.166 ± 0.00363	0.16 ± 0.02	0.0149	96.4	-0.15
pH-value	-	7.74 ± 0.033	7.88 ± 0.1	0.155	102	0.71
Potassium	mg/l	1.24 ± 0.0282	1.2 ± 0.13	0.0644	96.8	-0.15
Sodium	mg/l	6.39 ± 0.087	6.38 ± 0.74	0.217	99.8	-0.01
Sulfate (as SO ₄)	mg/l	18.3 ± 0.193	18.2 ± 2.5	0.603	99.6	-0.02
Total-P (as PO ₄)	mg/l	0.7 ± 0.0182	0.67 ± 0.12	0.0525	95.7	-0.13
Total hardness	mmol/l	1.68 ± 0.022	- ± -	0.0504	-	-
Total nitrogen	mg/l	3.1 ± 0.101	- ± -	0.258	-	-

Sample: N150BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	2.45 ± 0.0593	2.03 ± 0.29	0.245	83	-0.71



Sample: N150A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	4.1 ± 0.0162	- ± -	0.0821	-	-
Ammonium (as NH ₄)	mg/l	0.0588 ± 0.0023	- ± -	0.00706	-	-
Boron	mg/l	0.0209 ± 0.000944	- ± -	0.0023	-	-
Calcium	mg/l	71.6 ± 0.691	75.18 ± 5	2.22	105	1.60
Chloride	mg/l	31 ± 0.209	33.43 ± 1	1.24	108	1.96
El. conductivity (25°C)	µS/cm	545 ± 2.62	551.5 ± 2	7.09	101	0.90
Hydrogen carbonate	mg/l	249 ± 1.82	- ± -	4.99	-	-
Magnesium	mg/l	16.2 ± 0.207	19.65 ± 2.5	0.648	121	5.32
Nitrate (as NO ₃)	mg/l	7.06 ± 0.16	7.66 ± 0.8	0.353	109	1.71
Nitrite (as NO ₂)	mg/l	0.202 ± 0.00286	- ± -	0.0107	-	-
Orthophosphate (as PO ₄)	mg/l	0.137 ± 0.00441	- ± -	0.0123	-	-
pH-value	-	7.77 ± 0.027	7.9 ± 0.1	0.155	102	0.85
Potassium	mg/l	2.28 ± 0.0331	- ± -	0.118	-	-
Sodium	mg/l	17.7 ± 0.216	- ± -	0.602	-	-
Sulfate (as SO ₄)	mg/l	31.2 ± 0.278	39.6 ± 5	1.03	127	8.16
Total-P (as PO ₄)	mg/l	1.48 ± 0.0285	- ± -	0.111	-	-
Total hardness	mmol/l	2.48 ± 0.0362	2.69 ± 0.53	0.0745	108	2.77
Total nitrogen	mg/l	1.76 ± 0.0577	- ± -	0.146	-	-

Sample: N150ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.85 ± 0.0645	- ± -	0.185	-	-

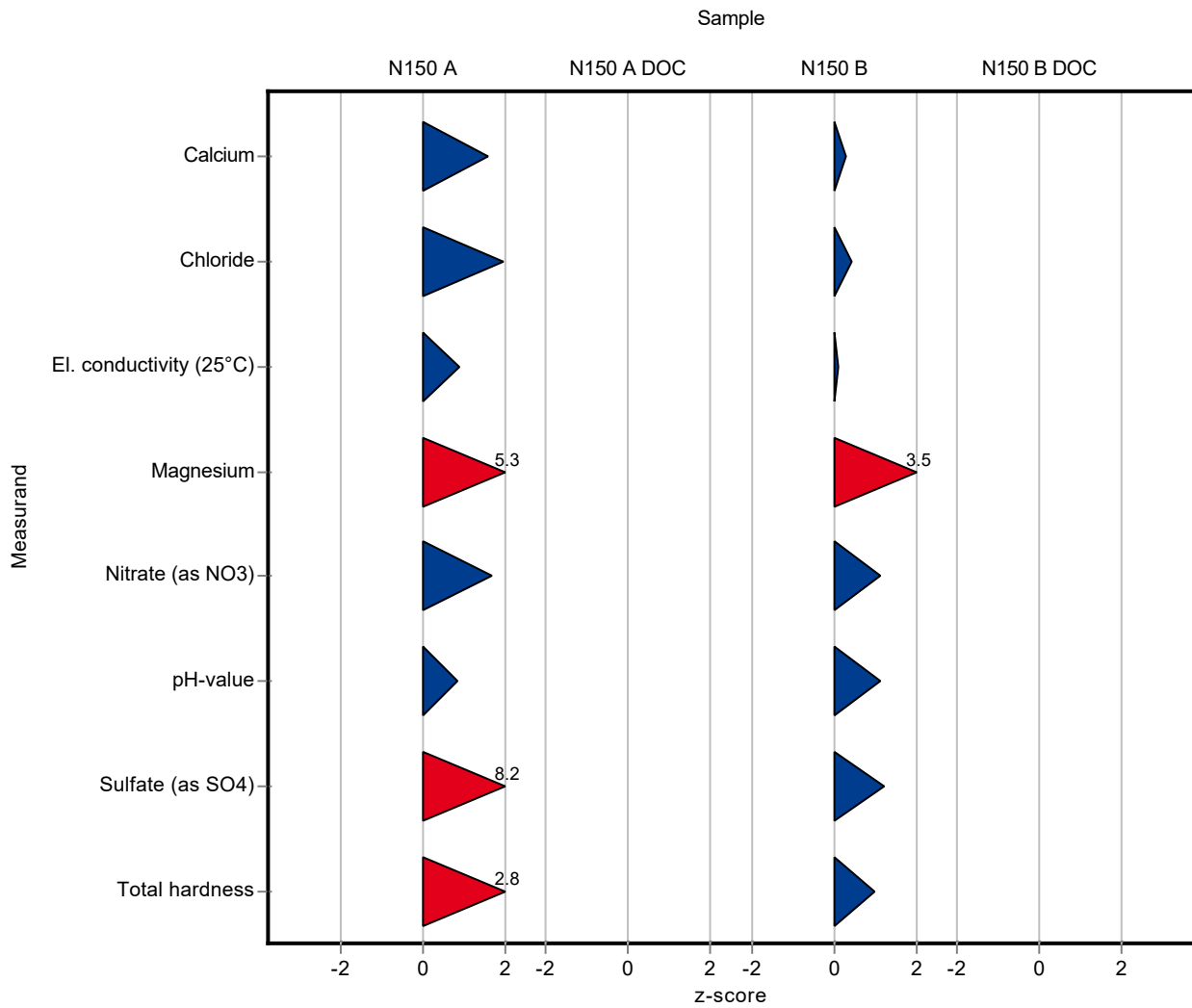
Sample: N150B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	2.74 ± 0.0137	- ± -	0.0547	-	-
Ammonium (as NH ₄)	mg/l	0.321 ± 0.00634	- ± -	0.0385	-	-
Boron	mg/l	0.00948 ± 0.00044	- ± -	0.00104	-	-
Calcium	mg/l	48.2 ± 0.463	48.68 ± 5	1.5	101	0.30

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Chloride	mg/l	11.5 ± 0.13	11.68 ± 1	0.459	102	0.45
El. conductivity (25°C)	µS/cm	350 ± 1.44	351 ± 2	4.56	100	0.12
Hydrogen carbonate	mg/l	165 ± 1.09	- ± -	3.3	-	-
Magnesium	mg/l	10.9 ± 0.149	12.4 ± 2.5	0.435	114	3.49
Nitrate (as NO ₃)	mg/l	12 ± 0.174	12.7 ± 0.8	0.601	106	1.13
Nitrite (as NO ₂)	mg/l	0.221 ± 0.00316	- ± -	0.0117	-	-
Orthophosphate (as PO ₄)	mg/l	0.166 ± 0.00363	- ± -	0.0149	-	-
pH-value	-	7.74 ± 0.033	7.91 ± 0.1	0.155	102	1.13
Potassium	mg/l	1.24 ± 0.0282	- ± -	0.0644	-	-
Sodium	mg/l	6.39 ± 0.087	- ± -	0.217	-	-
Sulfate (as SO ₄)	mg/l	18.3 ± 0.193	19 ± 5	0.603	104	1.20
Total-P (as PO ₄)	mg/l	0.7 ± 0.0182	- ± -	0.0525	-	-
Total hardness	mmol/l	1.68 ± 0.022	1.73 ± 0.53	0.0504	103	0.99
Total nitrogen	mg/l	3.1 ± 0.101	- ± -	0.258	-	-

Sample: N150BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.45 ± 0.0593	- ± -	0.245	-	-



Sample: N150A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	4.1 ± 0.0162	- ± -	0.0821	-	-
Ammonium (as NH4)	mg/l	0.0588 ± 0.0023	- ± -	0.00706	-	-
Boron	mg/l	0.0209 ± 0.000944	- ± -	0.0023	-	-
Calcium	mg/l	71.6 ± 0.691	75.18 ± 5	2.22	105	0.35
Chloride	mg/l	31 ± 0.209	33.43 ± 1	1.24	108	1.21
El. conductivity (25°C)	µS/cm	545 ± 2.62	551.5 ± 2	7.09	101	1.34
Hydrogen carbonate	mg/l	249 ± 1.82	- ± -	4.99	-	-
Magnesium	mg/l	16.2 ± 0.207	19.65 ± 2.5	0.648	121	0.69
Nitrate (as NO3)	mg/l	7.06 ± 0.16	7.66 ± 0.8	0.353	109	0.38
Nitrite (as NO2)	mg/l	0.202 ± 0.00286	- ± -	0.0107	-	-
Orthophosphate (as PO4)	mg/l	0.137 ± 0.00441	- ± -	0.0123	-	-
pH-value	-	7.77 ± 0.027	7.9 ± 0.1	0.155	102	0.66
Potassium	mg/l	2.28 ± 0.0331	- ± -	0.118	-	-
Sodium	mg/l	17.7 ± 0.216	- ± -	0.602	-	-
Sulfate (as SO4)	mg/l	31.2 ± 0.278	39.6 ± 5	1.03	127	0.84
Total-P (as PO4)	mg/l	1.48 ± 0.0285	- ± -	0.111	-	-
Total hardness	mmol/l	2.48 ± 0.0362	2.69 ± 0.53	0.0745	108	0.19
Total nitrogen	mg/l	1.76 ± 0.0577	- ± -	0.146	-	-

Sample: N150ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.85 ± 0.0645	- ± -	0.185	-	-

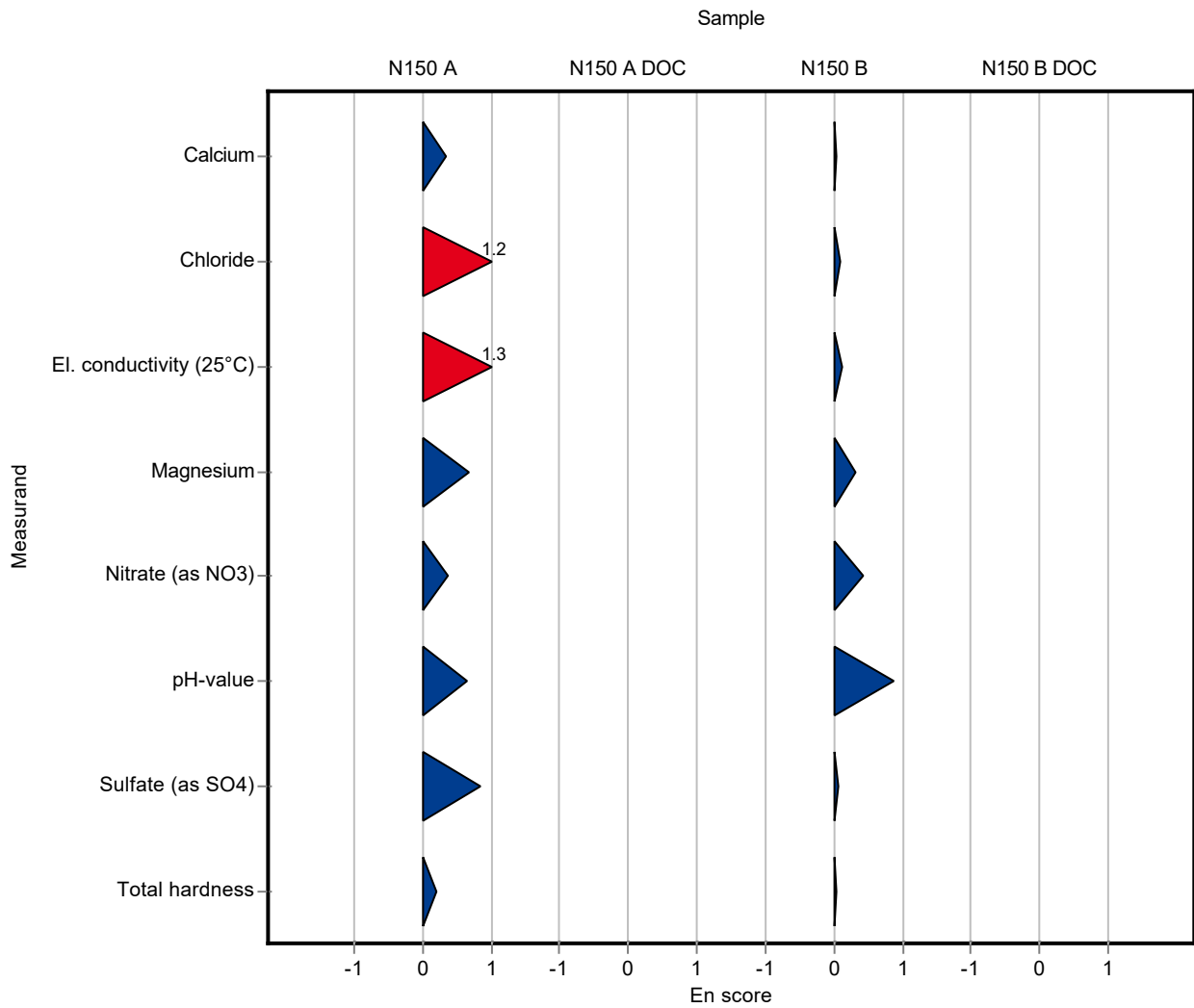
Sample: N150B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	2.74 ± 0.0137	- ± -	0.0547	-	-
Ammonium (as NH4)	mg/l	0.321 ± 0.00634	- ± -	0.0385	-	-
Boron	mg/l	0.00948 ± 0.00044	- ± -	0.00104	-	-
Calcium	mg/l	48.2 ± 0.463	48.68 ± 5	1.5	101	0.04

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Chloride	mg/l	11.5 ± 0.13	11.68 ± 1	0.459	102	0.10
El. conductivity (25°C)	µS/cm	350 ± 1.44	351 ± 2	4.56	100	0.13
Hydrogen carbonate	mg/l	165 ± 1.09	- ± -	3.3	-	-
Magnesium	mg/l	10.9 ± 0.149	12.4 ± 2.5	0.435	114	0.30
Nitrate (as NO ₃)	mg/l	12 ± 0.174	12.7 ± 0.8	0.601	106	0.42
Nitrite (as NO ₂)	mg/l	0.221 ± 0.00316	- ± -	0.0117	-	-
Orthophosphate (as PO ₄)	mg/l	0.166 ± 0.00363	- ± -	0.0149	-	-
pH-value	-	7.74 ± 0.033	7.91 ± 0.1	0.155	102	0.86
Potassium	mg/l	1.24 ± 0.0282	- ± -	0.0644	-	-
Sodium	mg/l	6.39 ± 0.087	- ± -	0.217	-	-
Sulfate (as SO ₄)	mg/l	18.3 ± 0.193	19 ± 5	0.603	104	0.07
Total-P (as PO ₄)	mg/l	0.7 ± 0.0182	- ± -	0.0525	-	-
Total hardness	mmol/l	1.68 ± 0.022	1.73 ± 0.53	0.0504	103	0.05
Total nitrogen	mg/l	3.1 ± 0.101	- ± -	0.258	-	-

Sample: N150BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	2.45 ± 0.0593	- ± -	0.245	-	-



Sample: N150A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	4.1 ± 0.0162	4.15 ± 0.03	0.0821	101	0.56
Ammonium (as NH ₄)	mg/l	0.0588 ± 0.0023	0.058 ± 0.003	0.00706	98.7	-0.11
Boron	mg/l	0.0209 ± 0.000944	0.048 ± 0.006	0.0023	229	11.70
Calcium	mg/l	71.6 ± 0.691	71.1 ± 1.3	2.22	99.3	-0.24
Chloride	mg/l	31 ± 0.209	31.4 ± 0.7	1.24	101	0.32
El. conductivity (25°C)	µS/cm	545 ± 2.62	535 ± 9	7.09	98.1	-1.43
Hydrogen carbonate	mg/l	249 ± 1.82	250.5 ± 1.5	4.99	100	0.22
Magnesium	mg/l	16.2 ± 0.207	16 ± 0.9	0.648	98.8	-0.31
Nitrate (as NO ₃)	mg/l	7.06 ± 0.16	7.3 ± 0.2	0.353	103	0.69
Nitrite (as NO ₂)	mg/l	0.202 ± 0.00286	0.207 ± 0.011	0.0107	103	0.50
Orthophosphate (as PO ₄)	mg/l	0.137 ± 0.00441	0.141 ± 0.012	0.0123	103	0.35
pH-value	-	7.77 ± 0.027	7.76 ± 0.01	0.155	99.9	-0.05
Potassium	mg/l	2.28 ± 0.0331	2.2 ± 0.1	0.118	96.6	-0.66
Sodium	mg/l	17.7 ± 0.216	16.9 ± 0.4	0.602	95.4	-1.35
Sulfate (as SO ₄)	mg/l	31.2 ± 0.278	31.8 ± 0.8	1.03	102	0.58
Total-P (as PO ₄)	mg/l	1.48 ± 0.0285	1.469 ± 0.138	0.111	99	-0.13
Total hardness	mmol/l	2.48 ± 0.0362	2.43 ± 0.05	0.0745	97.8	-0.72
Total nitrogen	mg/l	1.76 ± 0.0577	1.87 ± 0.1	0.146	106	0.75

Sample: N150ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.85 ± 0.0645	1.84 ± 0.17	0.185	99.4	-0.06

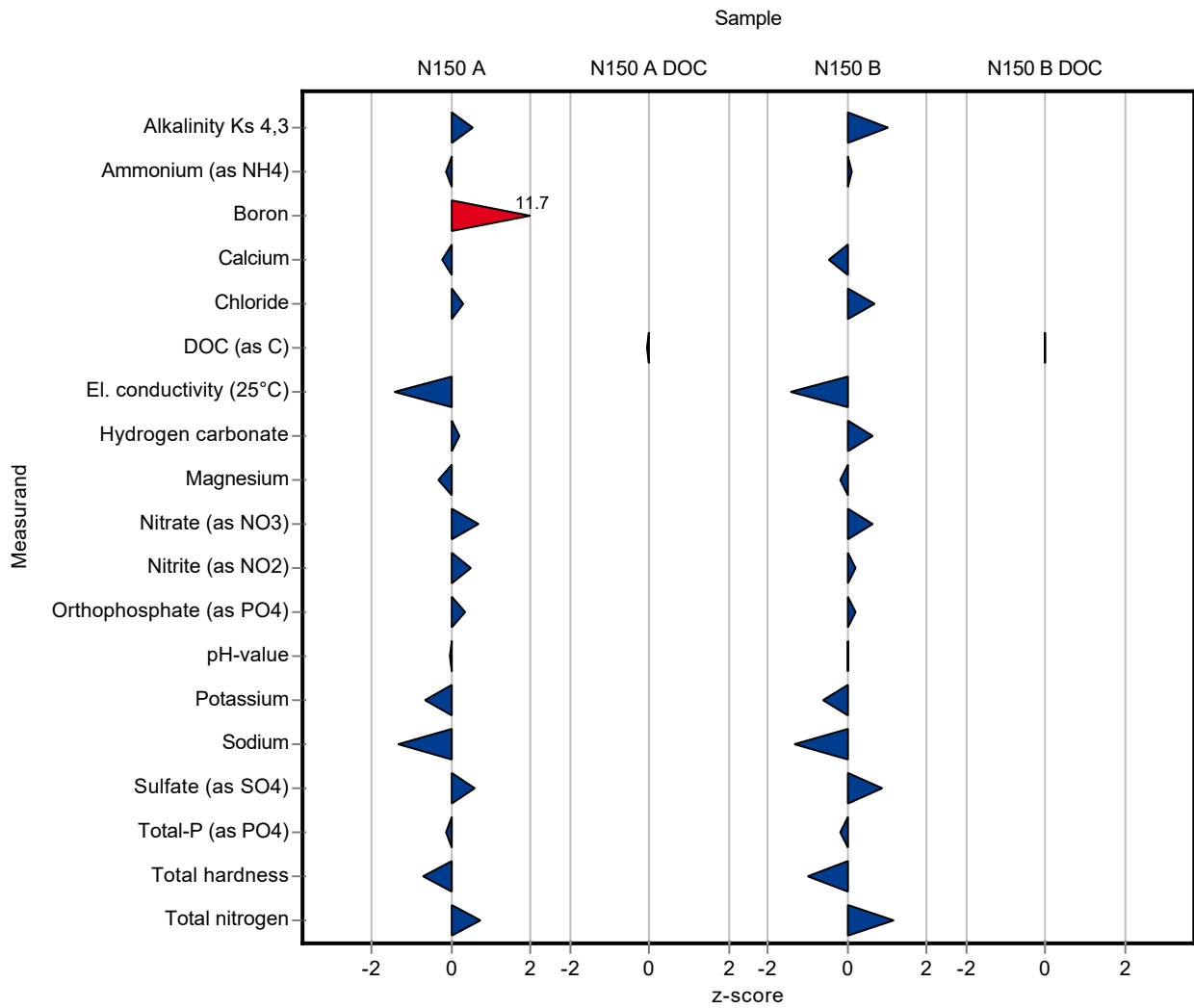
Sample: N150B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	2.74 ± 0.0137	2.79 ± 0.02	0.0547	102	1.01
Ammonium (as NH ₄)	mg/l	0.321 ± 0.00634	0.324 ± 0.016	0.0385	101	0.09
Boron	mg/l	0.00948 ± 0.00044	- ± -	0.00104	-	-
Calcium	mg/l	48.2 ± 0.463	47.5 ± 0.9	1.5	98.5	-0.49

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Chloride	mg/l	11.5 ± 0.13	11.8 ± 0.3	0.459	103	0.71
El. conductivity (25°C)	µS/cm	350 ± 1.44	344 ± 6	4.56	98.2	-1.42
Hydrogen carbonate	mg/l	165 ± 1.09	167.2 ± 1	3.3	101	0.65
Magnesium	mg/l	10.9 ± 0.149	10.8 ± 0.6	0.435	99.2	-0.19
Nitrate (as NO ₃)	mg/l	12 ± 0.174	12.4 ± 0.32	0.601	103	0.64
Nitrite (as NO ₂)	mg/l	0.221 ± 0.00316	0.223 ± 0.012	0.0117	101	0.18
Orthophosphate (as PO ₄)	mg/l	0.166 ± 0.00363	0.169 ± 0.014	0.0149	102	0.20
pH-value	-	7.74 ± 0.033	7.74 ± 0.01	0.155	100	0.03
Potassium	mg/l	1.24 ± 0.0282	1.2 ± 0.04	0.0644	96.8	-0.61
Sodium	mg/l	6.39 ± 0.087	6.1 ± 0.1	0.217	95.4	-1.34
Sulfate (as SO ₄)	mg/l	18.3 ± 0.193	18.8 ± 0.5	0.603	103	0.86
Total-P (as PO ₄)	mg/l	0.7 ± 0.0182	0.69 ± 0.065	0.0525	98.6	-0.19
Total hardness	mmol/l	1.68 ± 0.022	1.63 ± 0.03	0.0504	97	-0.99
Total nitrogen	mg/l	3.1 ± 0.101	3.4 ± 0.19	0.258	110	1.15

Sample: N150BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.45 ± 0.0593	2.44 ± 0.22	0.245	99.8	-0.02



Sample: N150A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	4.1 ± 0.0162	4.15 ± 0.03	0.0821	101	0.73
Ammonium (as NH ₄)	mg/l	0.0588 ± 0.0023	0.058 ± 0.003	0.00706	98.7	-0.12
Boron	mg/l	0.0209 ± 0.000944	0.048 ± 0.006	0.0023	229	2.25
Calcium	mg/l	71.6 ± 0.691	71.1 ± 1.3	2.22	99.3	-0.20
Chloride	mg/l	31 ± 0.209	31.4 ± 0.7	1.24	101	0.28
El. conductivity (25°C)	µS/cm	545 ± 2.62	535 ± 9	7.09	98.1	-0.56
Hydrogen carbonate	mg/l	249 ± 1.82	250.5 ± 1.5	4.99	100	0.31
Magnesium	mg/l	16.2 ± 0.207	16 ± 0.9	0.648	98.8	-0.11
Nitrate (as NO ₃)	mg/l	7.06 ± 0.16	7.3 ± 0.2	0.353	103	0.56
Nitrite (as NO ₂)	mg/l	0.202 ± 0.00286	0.207 ± 0.011	0.0107	103	0.24
Orthophosphate (as PO ₄)	mg/l	0.137 ± 0.00441	0.141 ± 0.012	0.0123	103	0.18
pH-value	-	7.77 ± 0.027	7.76 ± 0.01	0.155	99.9	-0.21
Potassium	mg/l	2.28 ± 0.0331	2.2 ± 0.1	0.118	96.6	-0.38
Sodium	mg/l	17.7 ± 0.216	16.9 ± 0.4	0.602	95.4	-0.98
Sulfate (as SO ₄)	mg/l	31.2 ± 0.278	31.8 ± 0.8	1.03	102	0.37
Total-P (as PO ₄)	mg/l	1.48 ± 0.0285	1.469 ± 0.138	0.111	99	-0.05
Total hardness	mmol/l	2.48 ± 0.0362	2.43 ± 0.05	0.0745	97.8	-0.51
Total nitrogen	mg/l	1.76 ± 0.0577	1.87 ± 0.1	0.146	106	0.53

Sample: N150ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.85 ± 0.0645	1.84 ± 0.17	0.185	99.4	-0.03

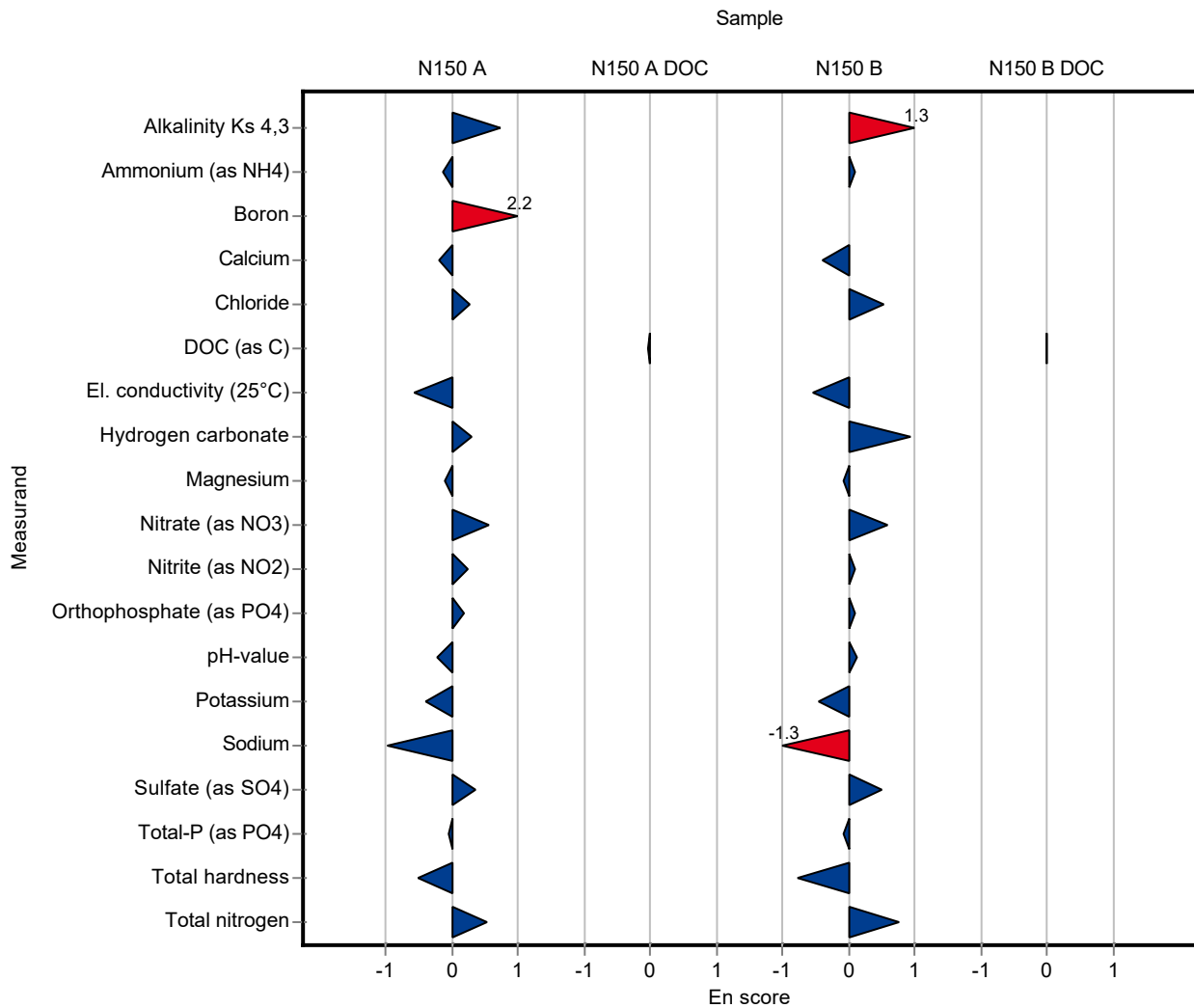
Sample: N150B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	2.74 ± 0.0137	2.79 ± 0.02	0.0547	102	1.30
Ammonium (as NH ₄)	mg/l	0.321 ± 0.00634	0.324 ± 0.016	0.0385	101	0.10
Boron	mg/l	0.00948 ± 0.00044	- ± -	0.00104	-	-
Calcium	mg/l	48.2 ± 0.463	47.5 ± 0.9	1.5	98.5	-0.39

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Chloride	mg/l	11.5 ± 0.13	11.8 ± 0.3	0.459	103	0.53
El. conductivity (25°C)	µS/cm	350 ± 1.44	344 ± 6	4.56	98.2	-0.54
Hydrogen carbonate	mg/l	165 ± 1.09	167.2 ± 1	3.3	101	0.94
Magnesium	mg/l	10.9 ± 0.149	10.8 ± 0.6	0.435	99.2	-0.07
Nitrate (as NO ₃)	mg/l	12 ± 0.174	12.4 ± 0.32	0.601	103	0.57
Nitrite (as NO ₂)	mg/l	0.221 ± 0.00316	0.223 ± 0.012	0.0117	101	0.09
Orthophosphate (as PO ₄)	mg/l	0.166 ± 0.00363	0.169 ± 0.014	0.0149	102	0.11
pH-value	-	7.74 ± 0.033	7.74 ± 0.01	0.155	100	0.12
Potassium	mg/l	1.24 ± 0.0282	1.2 ± 0.04	0.0644	96.8	-0.46
Sodium	mg/l	6.39 ± 0.087	6.1 ± 0.1	0.217	95.4	-1.34
Sulfate (as SO ₄)	mg/l	18.3 ± 0.193	18.8 ± 0.5	0.603	103	0.51
Total-P (as PO ₄)	mg/l	0.7 ± 0.0182	0.69 ± 0.065	0.0525	98.6	-0.08
Total hardness	mmol/l	1.68 ± 0.022	1.63 ± 0.03	0.0504	97	-0.78
Total nitrogen	mg/l	3.1 ± 0.101	3.4 ± 0.19	0.258	110	0.76

Sample: N150BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	2.45 ± 0.0593	2.44 ± 0.22	0.245	99.8	-0.01



Sample: N150A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	4.1 ± 0.0162	4.028 ± 0.279	0.0821	98.1	-0.93
Ammonium (as NH ₄)	mg/l	0.0588 ± 0.0023	0.052 ± 0.01	0.00706	88.5	-0.96
Boron	mg/l	0.0209 ± 0.000944	0.0245 ± 0.0039	0.0023	117	1.54
Calcium	mg/l	71.6 ± 0.691	71.3 ± 3.4	2.22	99.5	-0.15
Chloride	mg/l	31 ± 0.209	30.5 ± 2.5	1.24	98.4	-0.41
El. conductivity (25°C)	µS/cm	545 ± 2.62	548 ± 22	7.09	101	0.41
Hydrogen carbonate	mg/l	249 ± 1.82	242.7 ± 17	4.99	97.3	-1.35
Magnesium	mg/l	16.2 ± 0.207	16.5 ± 1.1	0.648	102	0.46
Nitrate (as NO ₃)	mg/l	7.06 ± 0.16	6.9 ± 0.4	0.353	97.8	-0.45
Nitrite (as NO ₂)	mg/l	0.202 ± 0.00286	0.197 ± 0.016	0.0107	97.7	-0.43
Orthophosphate (as PO ₄)	mg/l	0.137 ± 0.00441	0.141 ± 0.019	0.0123	103	0.35
pH-value	-	7.77 ± 0.027	7.8 ± 0.3	0.155	100	0.21
Potassium	mg/l	2.28 ± 0.0331	2.4 ± 0.1	0.118	105	1.03
Sodium	mg/l	17.7 ± 0.216	18.3 ± 0.9	0.602	103	0.98
Sulfate (as SO ₄)	mg/l	31.2 ± 0.278	31.2 ± 3	1.03	100	0.00
Total-P (as PO ₄)	mg/l	1.48 ± 0.0285	1.49 ± 0.21	0.111	100	0.05
Total hardness	mmol/l	2.48 ± 0.0362	2.46 ± 0.13	0.0745	99	-0.32
Total nitrogen	mg/l	1.76 ± 0.0577	1.8 ± 0.3	0.146	102	0.27

Sample: N150ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.85 ± 0.0645	2.31 ± 0.52	0.185	125	2.48

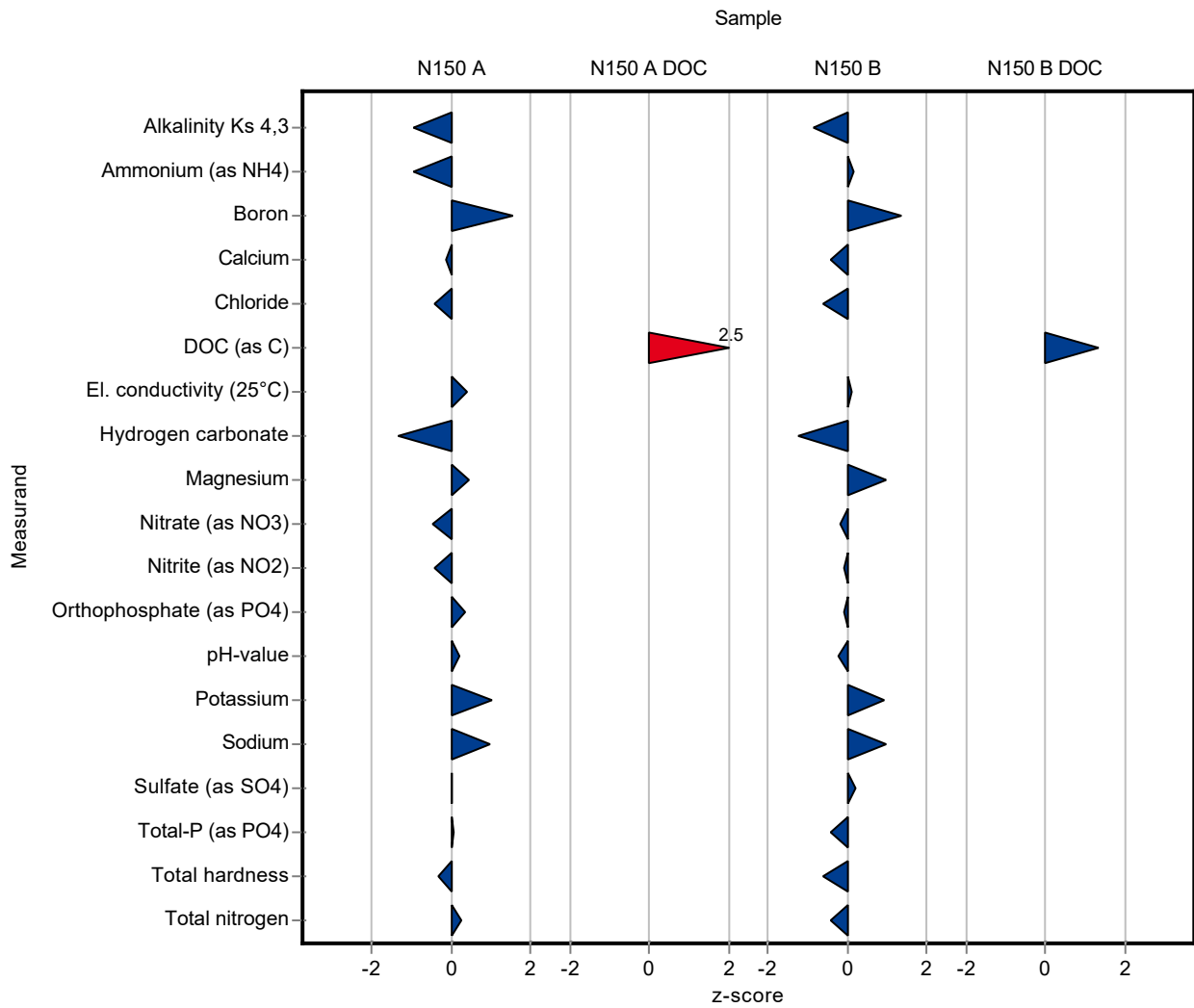
Sample: N150B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	2.74 ± 0.0137	2.688 ± 0.195	0.0547	98.3	-0.86
Ammonium (as NH ₄)	mg/l	0.321 ± 0.00634	0.327 ± 0.05	0.0385	102	0.16
Boron	mg/l	0.00948 ± 0.00044	0.0109 ± 0.0023	0.00104	115	1.36
Calcium	mg/l	48.2 ± 0.463	47.6 ± 2.3	1.5	98.7	-0.42

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Chloride	mg/l	11.5 ± 0.13	11.2 ± 1.1	0.459	97.6	-0.60
El. conductivity (25°C)	µS/cm	350 ± 1.44	351 ± 14	4.56	100	0.12
Hydrogen carbonate	mg/l	165 ± 1.09	160.9 ± 11.9	3.3	97.5	-1.26
Magnesium	mg/l	10.9 ± 0.149	11.3 ± 0.7	0.435	104	0.96
Nitrate (as NO ₃)	mg/l	12 ± 0.174	11.9 ± 0.8	0.601	99	-0.20
Nitrite (as NO ₂)	mg/l	0.221 ± 0.00316	0.22 ± 0.017	0.0117	99.6	-0.08
Orthophosphate (as PO ₄)	mg/l	0.166 ± 0.00363	0.165 ± 0.022	0.0149	99.4	-0.07
pH-value	-	7.74 ± 0.033	7.7 ± 0.3	0.155	99.5	-0.23
Potassium	mg/l	1.24 ± 0.0282	1.3 ± 0.1	0.0644	105	0.94
Sodium	mg/l	6.39 ± 0.087	6.6 ± 0.4	0.217	103	0.96
Sulfate (as SO ₄)	mg/l	18.3 ± 0.193	18.4 ± 1.8	0.603	101	0.20
Total-P (as PO ₄)	mg/l	0.7 ± 0.0182	0.678 ± 0.095	0.0525	96.8	-0.42
Total hardness	mmol/l	1.68 ± 0.022	1.65 ± 0.09	0.0504	98.2	-0.59
Total nitrogen	mg/l	3.1 ± 0.101	3 ± 0.4	0.258	96.7	-0.40

Sample: N150BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.45 ± 0.0593	2.77 ± 0.59	0.245	113	1.32



Sample: N150A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	4.1 ± 0.0162	4.028 ± 0.279	0.0821	98.1	-0.14
Ammonium (as NH4)	mg/l	0.0588 ± 0.0023	0.052 ± 0.01	0.00706	88.5	-0.34
Boron	mg/l	0.0209 ± 0.000944	0.0245 ± 0.0039	0.0023	117	0.45
Calcium	mg/l	71.6 ± 0.691	71.3 ± 3.4	2.22	99.5	-0.05
Chloride	mg/l	31 ± 0.209	30.5 ± 2.5	1.24	98.4	-0.10
El. conductivity (25°C)	µS/cm	545 ± 2.62	548 ± 22	7.09	101	0.07
Hydrogen carbonate	mg/l	249 ± 1.82	242.7 ± 17	4.99	97.3	-0.20
Magnesium	mg/l	16.2 ± 0.207	16.5 ± 1.1	0.648	102	0.14
Nitrate (as NO3)	mg/l	7.06 ± 0.16	6.9 ± 0.4	0.353	97.8	-0.19
Nitrite (as NO2)	mg/l	0.202 ± 0.00286	0.197 ± 0.016	0.0107	97.7	-0.14
Orthophosphate (as PO4)	mg/l	0.137 ± 0.00441	0.141 ± 0.019	0.0123	103	0.11
pH-value	-	7.77 ± 0.027	7.8 ± 0.3	0.155	100	0.05
Potassium	mg/l	2.28 ± 0.0331	2.4 ± 0.1	0.118	105	0.60
Sodium	mg/l	17.7 ± 0.216	18.3 ± 0.9	0.602	103	0.33
Sulfate (as SO4)	mg/l	31.2 ± 0.278	31.2 ± 3	1.03	100	0.00
Total-P (as PO4)	mg/l	1.48 ± 0.0285	1.49 ± 0.21	0.111	100	0.01
Total hardness	mmol/l	2.48 ± 0.0362	2.46 ± 0.13	0.0745	99	-0.09
Total nitrogen	mg/l	1.76 ± 0.0577	1.8 ± 0.3	0.146	102	0.07

Sample: N150ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.85 ± 0.0645	2.31 ± 0.52	0.185	125	0.44

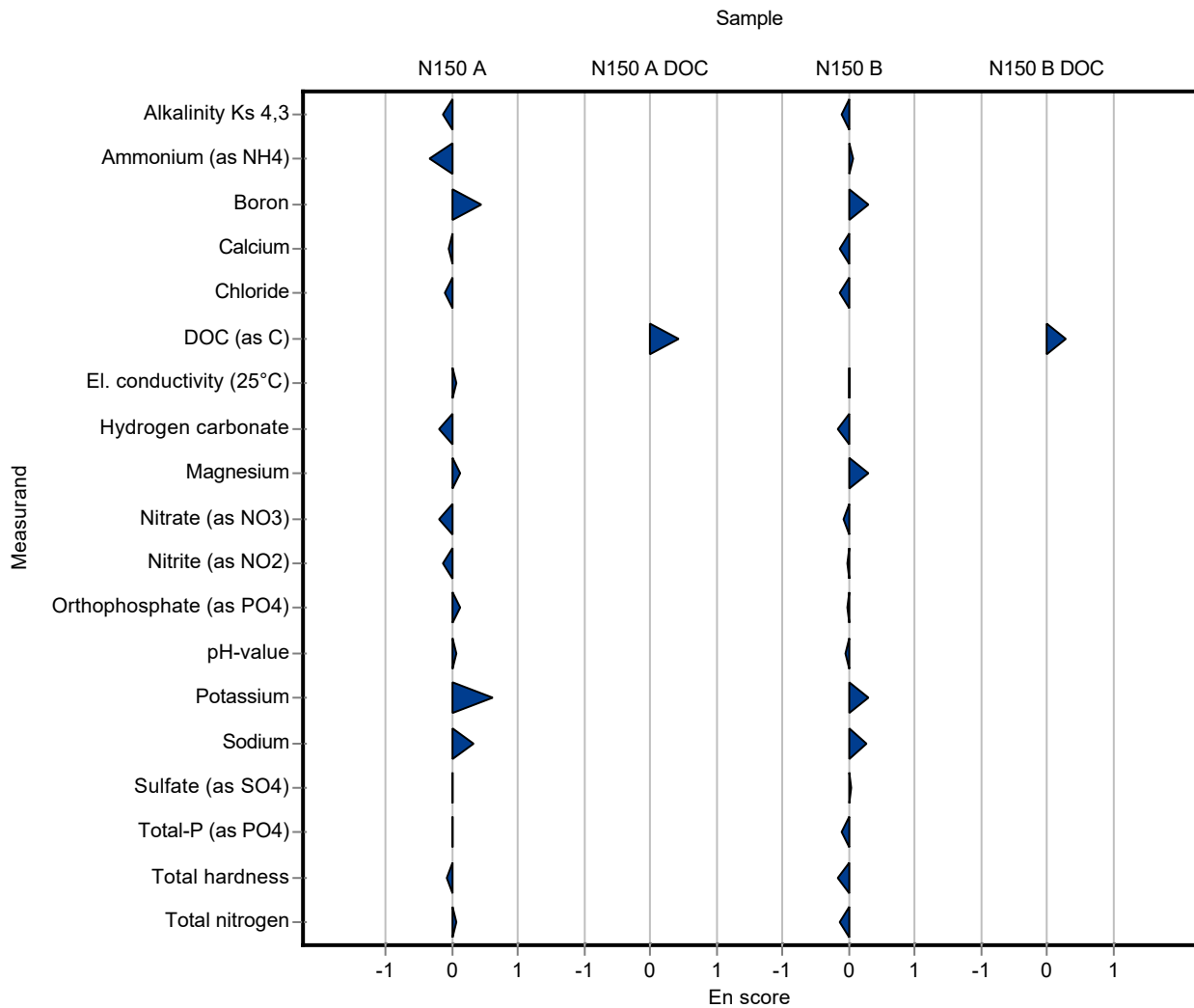
Sample: N150B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	2.74 ± 0.0137	2.688 ± 0.195	0.0547	98.3	-0.12
Ammonium (as NH4)	mg/l	0.321 ± 0.00634	0.327 ± 0.05	0.0385	102	0.06
Boron	mg/l	0.00948 ± 0.00044	0.0109 ± 0.0023	0.00104	115	0.31
Calcium	mg/l	48.2 ± 0.463	47.6 ± 2.3	1.5	98.7	-0.14

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Chloride	mg/l	11.5 ± 0.13	11.2 ± 1.1	0.459	97.6	-0.13
El. conductivity (25°C)	µS/cm	350 ± 1.44	351 ± 14	4.56	100	0.02
Hydrogen carbonate	mg/l	165 ± 1.09	160.9 ± 11.9	3.3	97.5	-0.17
Magnesium	mg/l	10.9 ± 0.149	11.3 ± 0.7	0.435	104	0.30
Nitrate (as NO ₃)	mg/l	12 ± 0.174	11.9 ± 0.8	0.601	99	-0.07
Nitrite (as NO ₂)	mg/l	0.221 ± 0.00316	0.22 ± 0.017	0.0117	99.6	-0.03
Orthophosphate (as PO ₄)	mg/l	0.166 ± 0.00363	0.165 ± 0.022	0.0149	99.4	-0.02
pH-value	-	7.74 ± 0.033	7.7 ± 0.3	0.155	99.5	-0.06
Potassium	mg/l	1.24 ± 0.0282	1.3 ± 0.1	0.0644	105	0.30
Sodium	mg/l	6.39 ± 0.087	6.6 ± 0.4	0.217	103	0.26
Sulfate (as SO ₄)	mg/l	18.3 ± 0.193	18.4 ± 1.8	0.603	101	0.03
Total-P (as PO ₄)	mg/l	0.7 ± 0.0182	0.678 ± 0.095	0.0525	96.8	-0.12
Total hardness	mmol/l	1.68 ± 0.022	1.65 ± 0.09	0.0504	98.2	-0.17
Total nitrogen	mg/l	3.1 ± 0.101	3 ± 0.4	0.258	96.7	-0.13

Sample: N150BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	2.45 ± 0.0593	2.77 ± 0.59	0.245	113	0.27



Sample: N150A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	4.1 ± 0.0162	4.09 ± 0.16	0.0821	99.6	-0.18
Ammonium (as NH ₄)	mg/l	0.0588 ± 0.0023	0.059 ± 0.008	0.00706	100	0.03
Boron	mg/l	0.0209 ± 0.000944	0.0216 ± 0.0022	0.0023	103	0.28
Calcium	mg/l	71.6 ± 0.691	71.3 ± 6.4	2.22	99.5	-0.15
Chloride	mg/l	31 ± 0.209	31.6 ± 1.6	1.24	102	0.48
El. conductivity (25°C)	µS/cm	545 ± 2.62	546 ± 16	7.09	100	0.13
Hydrogen carbonate	mg/l	249 ± 1.82	246 ± 10	4.99	98.6	-0.69
Magnesium	mg/l	16.2 ± 0.207	15.7 ± 1.4	0.648	96.9	-0.77
Nitrate (as NO ₃)	mg/l	7.06 ± 0.16	7 ± 0.63	0.353	99.2	-0.16
Nitrite (as NO ₂)	mg/l	0.202 ± 0.00286	0.212 ± 0.021	0.0107	105	0.97
Orthophosphate (as PO ₄)	mg/l	0.137 ± 0.00441	0.137 ± 0.014	0.0123	100	0.03
pH-value	-	7.77 ± 0.027	7.85 ± 0.3	0.155	101	0.53
Potassium	mg/l	2.28 ± 0.0331	2.1 ± 0.19	0.118	92.2	-1.50
Sodium	mg/l	17.7 ± 0.216	17.3 ± 1.4	0.602	97.7	-0.68
Sulfate (as SO ₄)	mg/l	31.2 ± 0.278	31.7 ± 1.6	1.03	102	0.49
Total-P (as PO ₄)	mg/l	1.48 ± 0.0285	1.51 ± 0.15	0.111	102	0.23
Total hardness	mmol/l	2.48 ± 0.0362	2.43 ± 0.26	0.0745	97.8	-0.72
Total nitrogen	mg/l	1.76 ± 0.0577	1.64 ± 0.16	0.146	93.1	-0.83

Sample: N150ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.85 ± 0.0645	1.64 ± 0.15	0.185	88.6	-1.14

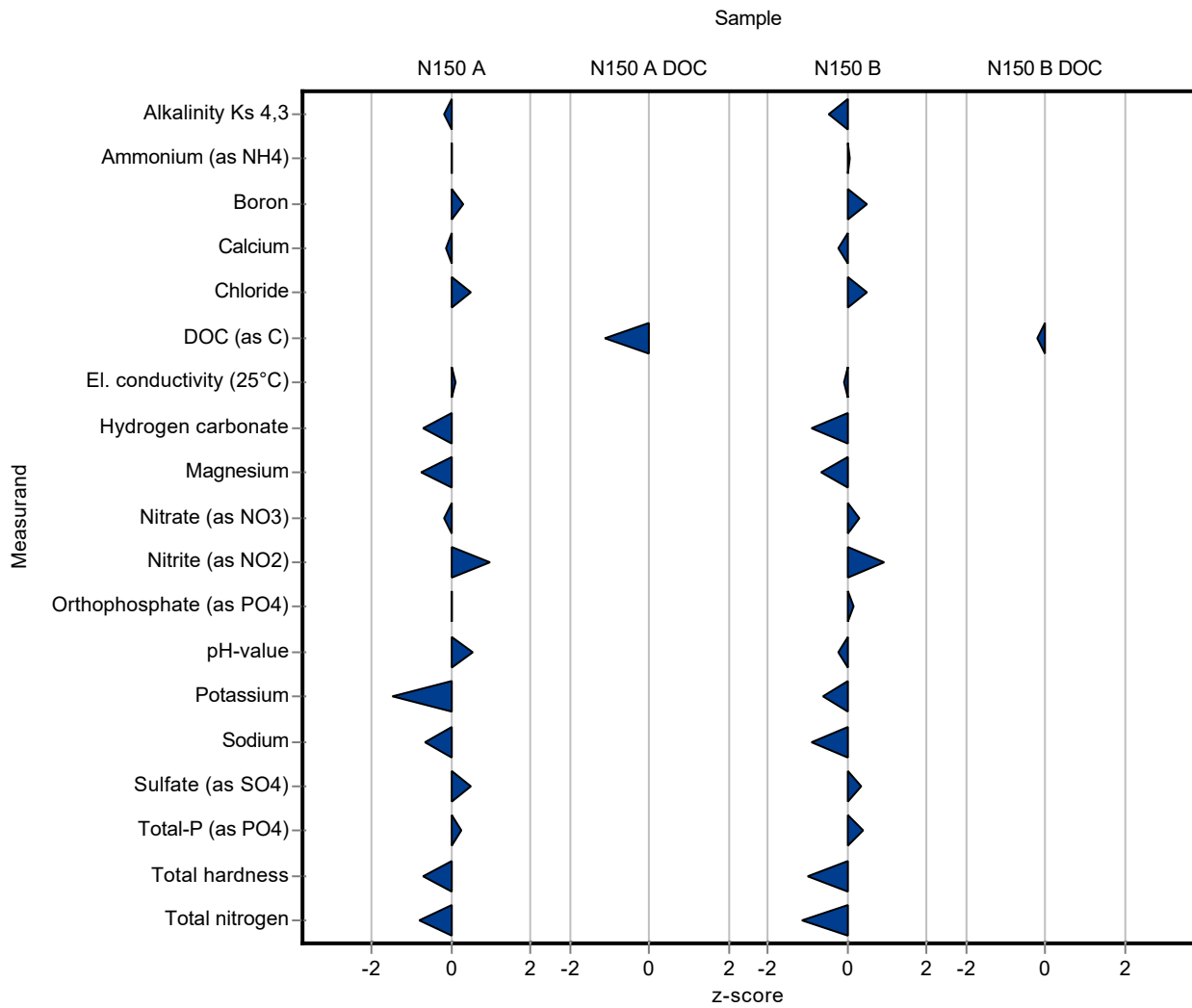
Sample: N150B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	2.74 ± 0.0137	2.71 ± 0.11	0.0547	99.1	-0.46
Ammonium (as NH ₄)	mg/l	0.321 ± 0.00634	0.323 ± 0.032	0.0385	101	0.06
Boron	mg/l	0.00948 ± 0.00044	0.01 ± 0.001	0.00104	105	0.49
Calcium	mg/l	48.2 ± 0.463	47.9 ± 4.3	1.5	99.3	-0.22

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Chloride	mg/l	11.5 ± 0.13	11.7 ± 0.7	0.459	102	0.49
El. conductivity (25°C)	µS/cm	350 ± 1.44	350 ± 11	4.56	99.9	-0.10
Hydrogen carbonate	mg/l	165 ± 1.09	162 ± 7	3.3	98.2	-0.92
Magnesium	mg/l	10.9 ± 0.149	10.6 ± 1	0.435	97.4	-0.65
Nitrate (as NO ₃)	mg/l	12 ± 0.174	12.2 ± 1.1	0.601	102	0.30
Nitrite (as NO ₂)	mg/l	0.221 ± 0.00316	0.232 ± 0.023	0.0117	105	0.95
Orthophosphate (as PO ₄)	mg/l	0.166 ± 0.00363	0.168 ± 0.017	0.0149	101	0.14
pH-value	-	7.74 ± 0.033	7.7 ± 0.3	0.155	99.5	-0.23
Potassium	mg/l	1.24 ± 0.0282	1.2 ± 0.12	0.0644	96.8	-0.61
Sodium	mg/l	6.39 ± 0.087	6.2 ± 0.5	0.217	97	-0.89
Sulfate (as SO ₄)	mg/l	18.3 ± 0.193	18.5 ± 1	0.603	101	0.37
Total-P (as PO ₄)	mg/l	0.7 ± 0.0182	0.721 ± 0.072	0.0525	103	0.40
Total hardness	mmol/l	1.68 ± 0.022	1.63 ± 0.17	0.0504	97	-0.99
Total nitrogen	mg/l	3.1 ± 0.101	2.81 ± 0.28	0.258	90.5	-1.14

Sample: N150BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.45 ± 0.0593	2.4 ± 0.22	0.245	98.1	-0.19



Sample: N150A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	4.1 ± 0.0162	4.09 ± 0.16	0.0821	99.6	-0.04
Ammonium (as NH ₄)	mg/l	0.0588 ± 0.0023	0.059 ± 0.008	0.00706	100	0.01
Boron	mg/l	0.0209 ± 0.000944	0.0216 ± 0.0022	0.0023	103	0.14
Calcium	mg/l	71.6 ± 0.691	71.3 ± 6.4	2.22	99.5	-0.03
Chloride	mg/l	31 ± 0.209	31.6 ± 1.6	1.24	102	0.19
El. conductivity (25°C)	µS/cm	545 ± 2.62	546 ± 16	7.09	100	0.03
Hydrogen carbonate	mg/l	249 ± 1.82	246 ± 10	4.99	98.6	-0.17
Magnesium	mg/l	16.2 ± 0.207	15.7 ± 1.4	0.648	96.9	-0.18
Nitrate (as NO ₃)	mg/l	7.06 ± 0.16	7 ± 0.63	0.353	99.2	-0.04
Nitrite (as NO ₂)	mg/l	0.202 ± 0.00286	0.212 ± 0.021	0.0107	105	0.25
Orthophosphate (as PO ₄)	mg/l	0.137 ± 0.00441	0.137 ± 0.014	0.0123	100	0.01
pH-value	-	7.77 ± 0.027	7.85 ± 0.3	0.155	101	0.14
Potassium	mg/l	2.28 ± 0.0331	2.1 ± 0.19	0.118	92.2	-0.47
Sodium	mg/l	17.7 ± 0.216	17.3 ± 1.4	0.602	97.7	-0.15
Sulfate (as SO ₄)	mg/l	31.2 ± 0.278	31.7 ± 1.6	1.03	102	0.16
Total-P (as PO ₄)	mg/l	1.48 ± 0.0285	1.51 ± 0.15	0.111	102	0.09
Total hardness	mmol/l	2.48 ± 0.0362	2.43 ± 0.26	0.0745	97.8	-0.10
Total nitrogen	mg/l	1.76 ± 0.0577	1.64 ± 0.16	0.146	93.1	-0.37

Sample: N150ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.85 ± 0.0645	1.64 ± 0.15	0.185	88.6	-0.69

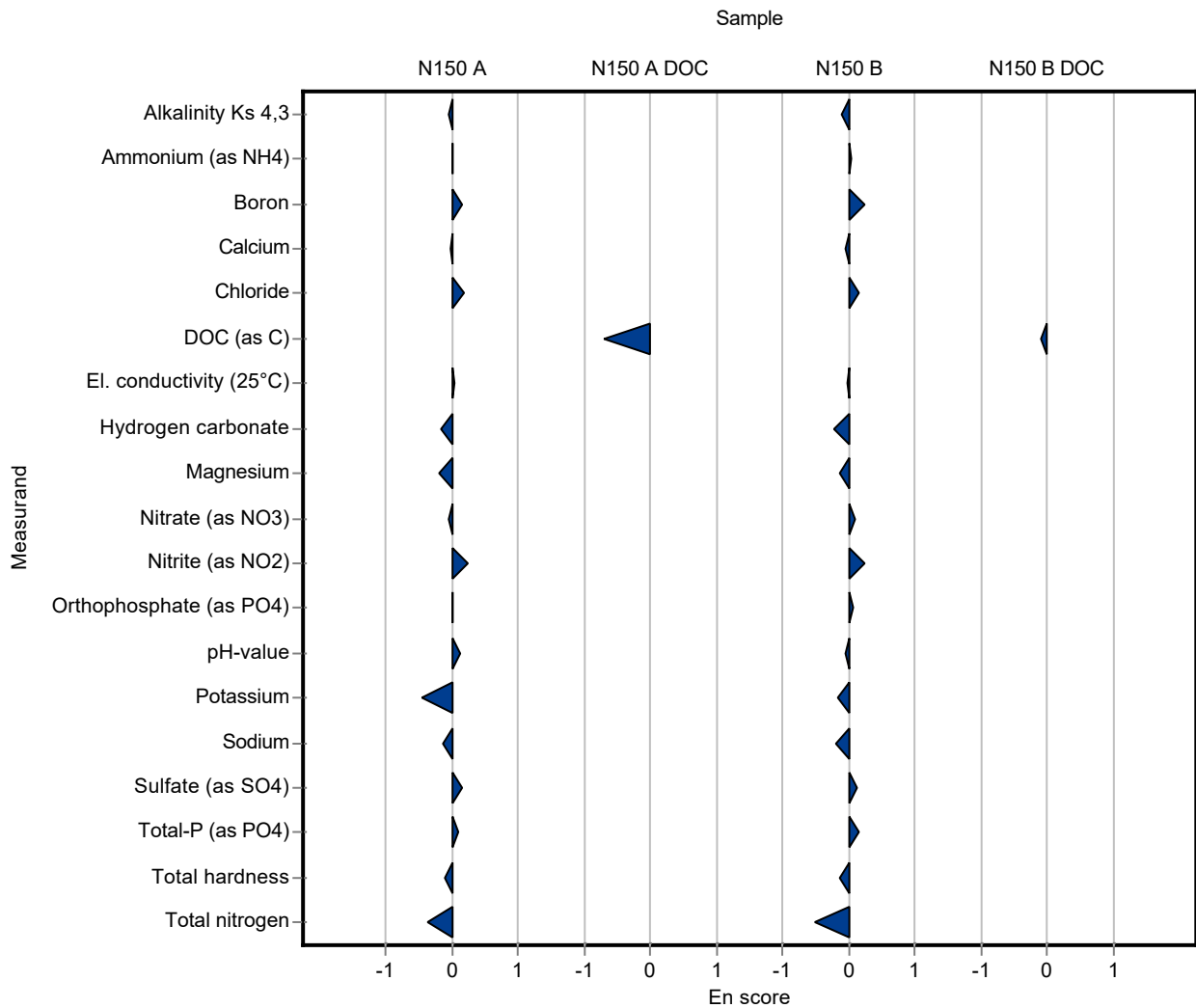
Sample: N150B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	2.74 ± 0.0137	2.71 ± 0.11	0.0547	99.1	-0.11
Ammonium (as NH ₄)	mg/l	0.321 ± 0.00634	0.323 ± 0.032	0.0385	101	0.04
Boron	mg/l	0.00948 ± 0.00044	0.01 ± 0.001	0.00104	105	0.25
Calcium	mg/l	48.2 ± 0.463	47.9 ± 4.3	1.5	99.3	-0.04

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Chloride	mg/l	11.5 ± 0.13	11.7 ± 0.7	0.459	102	0.16
El. conductivity (25°C)	µS/cm	350 ± 1.44	350 ± 11	4.56	99.9	-0.02
Hydrogen carbonate	mg/l	165 ± 1.09	162 ± 7	3.3	98.2	-0.22
Magnesium	mg/l	10.9 ± 0.149	10.6 ± 1	0.435	97.4	-0.14
Nitrate (as NO ₃)	mg/l	12 ± 0.174	12.2 ± 1.1	0.601	102	0.08
Nitrite (as NO ₂)	mg/l	0.221 ± 0.00316	0.232 ± 0.023	0.0117	105	0.24
Orthophosphate (as PO ₄)	mg/l	0.166 ± 0.00363	0.168 ± 0.017	0.0149	101	0.06
pH-value	-	7.74 ± 0.033	7.7 ± 0.3	0.155	99.5	-0.06
Potassium	mg/l	1.24 ± 0.0282	1.2 ± 0.12	0.0644	96.8	-0.16
Sodium	mg/l	6.39 ± 0.087	6.2 ± 0.5	0.217	97	-0.19
Sulfate (as SO ₄)	mg/l	18.3 ± 0.193	18.5 ± 1	0.603	101	0.11
Total-P (as PO ₄)	mg/l	0.7 ± 0.0182	0.721 ± 0.072	0.0525	103	0.14
Total hardness	mmol/l	1.68 ± 0.022	1.63 ± 0.17	0.0504	97	-0.15
Total nitrogen	mg/l	3.1 ± 0.101	2.81 ± 0.28	0.258	90.5	-0.52

Sample: N150BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	2.45 ± 0.0593	2.4 ± 0.22	0.245	98.1	-0.10



Sample: N150A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	4.1 ± 0.0162	4.17 ± 0.1	0.0821	102	0.80
Ammonium (as NH ₄)	mg/l	0.0588 ± 0.0023	0.774 ± 0.003	0.00706	1320	101.00
Boron	mg/l	0.0209 ± 0.000944	- ± -	0.0023	-	-
Calcium	mg/l	71.6 ± 0.691	70.53 ± 1.7	2.22	98.5	-0.50
Chloride	mg/l	31 ± 0.209	30.73 ± 0.2	1.24	99.1	-0.22
El. conductivity (25°C)	µS/cm	545 ± 2.62	536.2 ± 2	7.09	98.4	-1.26
Hydrogen carbonate	mg/l	249 ± 1.82	254.4 ± 6.1	4.99	102	1.00
Magnesium	mg/l	16.2 ± 0.207	15.7 ± 0.8	0.648	96.9	-0.77
Nitrate (as NO ₃)	mg/l	7.06 ± 0.16	6.99 ± 0.4	0.353	99	-0.19
Nitrite (as NO ₂)	mg/l	0.202 ± 0.00286	0.201 ± 0.002	0.0107	99.7	-0.06
Orthophosphate (as PO ₄)	mg/l	0.137 ± 0.00441	0.063 ± 0.002	0.0123	46.1	-5.99
pH-value	-	7.77 ± 0.027	8.11 ± 0.05	0.155	104	2.21
Potassium	mg/l	2.28 ± 0.0331	2.49 ± 0.02	0.118	109	1.79
Sodium	mg/l	17.7 ± 0.216	17.34 ± 0.8	0.602	97.9	-0.62
Sulfate (as SO ₄)	mg/l	31.2 ± 0.278	31.11 ± 2	1.03	99.7	-0.08
Total-P (as PO ₄)	mg/l	1.48 ± 0.0285	1.411 ± 0.005	0.111	95.1	-0.66
Total hardness	mmol/l	2.48 ± 0.0362	2.489 ± 0.1	0.0745	100	0.07
Total nitrogen	mg/l	1.76 ± 0.0577	1.86 ± 0.2	0.146	106	0.68

Sample: N150ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.85 ± 0.0645	45.65 ± 0.2	0.185	2470	237.00

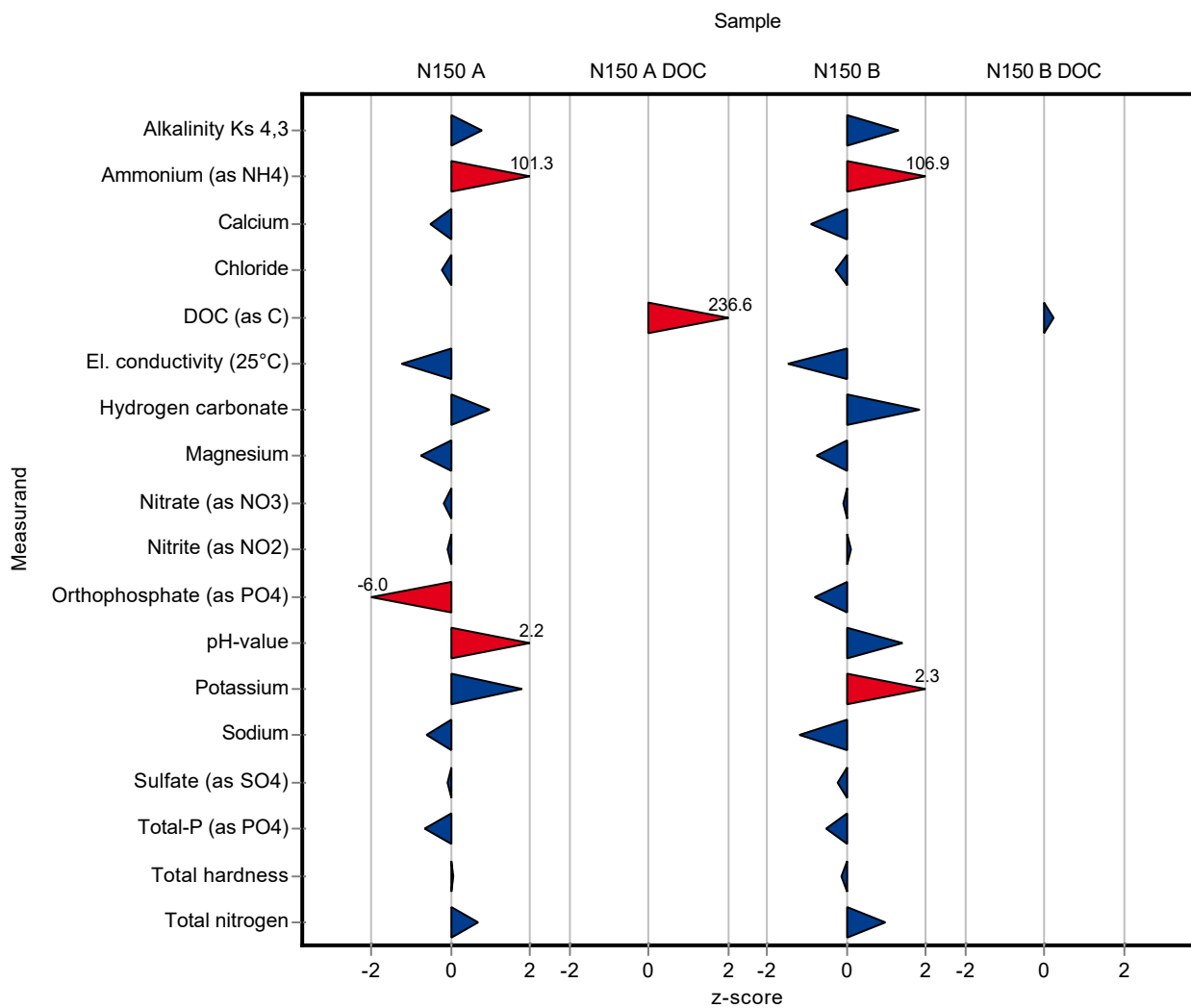
Sample: N150B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	2.74 ± 0.0137	2.806 ± 0.1	0.0547	103	1.30
Ammonium (as NH ₄)	mg/l	0.321 ± 0.00634	4.435 ± 0.003	0.0385	1380	107.00
Boron	mg/l	0.00948 ± 0.00044	- ± -	0.00104	-	-
Calcium	mg/l	48.2 ± 0.463	46.91 ± 1.7	1.5	97.3	-0.89

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Chloride	mg/l	11.5 ± 0.13	11.34 ± 0.2	0.459	98.8	-0.29
El. conductivity (25°C)	µS/cm	350 ± 1.44	343.7 ± 2	4.56	98.1	-1.48
Hydrogen carbonate	mg/l	165 ± 1.09	171.2 ± 6.1	3.3	104	1.86
Magnesium	mg/l	10.9 ± 0.149	10.55 ± 0.8	0.435	96.9	-0.76
Nitrate (as NO ₃)	mg/l	12 ± 0.174	11.97 ± 0.4	0.601	99.6	-0.08
Nitrite (as NO ₂)	mg/l	0.221 ± 0.00316	0.222 ± 0.002	0.0117	101	0.10
Orthophosphate (as PO ₄)	mg/l	0.166 ± 0.00363	0.154 ± 0.002	0.0149	92.8	-0.80
pH-value	-	7.74 ± 0.033	7.95 ± 0.05	0.155	103	1.39
Potassium	mg/l	1.24 ± 0.0282	1.39 ± 0.02	0.0644	112	2.34
Sodium	mg/l	6.39 ± 0.087	6.13 ± 0.8	0.217	95.9	-1.21
Sulfate (as SO ₄)	mg/l	18.3 ± 0.193	18.14 ± 2	0.603	99.2	-0.23
Total-P (as PO ₄)	mg/l	0.7 ± 0.0182	0.674 ± 0.005	0.0525	96.3	-0.50
Total hardness	mmol/l	1.68 ± 0.022	1.673 ± 0.1	0.0504	99.6	-0.14
Total nitrogen	mg/l	3.1 ± 0.101	3.35 ± 0.2	0.258	108	0.96

Sample: N150BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.45 ± 0.0593	2.5 ± 0.2	0.245	102	0.22



Sample: N150A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	4.1 ± 0.0162	4.17 ± 0.1	0.0821	102	0.33
Ammonium (as NH ₄)	mg/l	0.0588 ± 0.0023	0.774 ± 0.003	0.00706	1320	111.00
Boron	mg/l	0.0209 ± 0.000944	- ± -	0.0023	-	-
Calcium	mg/l	71.6 ± 0.691	70.53 ± 1.7	2.22	98.5	-0.32
Chloride	mg/l	31 ± 0.209	30.73 ± 0.2	1.24	99.1	-0.61
El. conductivity (25°C)	µS/cm	545 ± 2.62	536.2 ± 2	7.09	98.4	-1.86
Hydrogen carbonate	mg/l	249 ± 1.82	254.4 ± 6.1	4.99	102	0.40
Magnesium	mg/l	16.2 ± 0.207	15.7 ± 0.8	0.648	96.9	-0.31
Nitrate (as NO ₃)	mg/l	7.06 ± 0.16	6.99 ± 0.4	0.353	99	-0.08
Nitrite (as NO ₂)	mg/l	0.202 ± 0.00286	0.201 ± 0.002	0.0107	99.7	-0.13
Orthophosphate (as PO ₄)	mg/l	0.137 ± 0.00441	0.063 ± 0.002	0.0123	46.1	-12.40
pH-value	-	7.77 ± 0.027	8.11 ± 0.05	0.155	104	3.31
Potassium	mg/l	2.28 ± 0.0331	2.49 ± 0.02	0.118	109	4.09
Sodium	mg/l	17.7 ± 0.216	17.34 ± 0.8	0.602	97.9	-0.23
Sulfate (as SO ₄)	mg/l	31.2 ± 0.278	31.11 ± 2	1.03	99.7	-0.02
Total-P (as PO ₄)	mg/l	1.48 ± 0.0285	1.411 ± 0.005	0.111	95.1	-2.41
Total hardness	mmol/l	2.48 ± 0.0362	2.489 ± 0.1	0.0745	100	0.03
Total nitrogen	mg/l	1.76 ± 0.0577	1.86 ± 0.2	0.146	106	0.25

Sample: N150ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.85 ± 0.0645	45.65 ± 0.2	0.185	2470	108.00

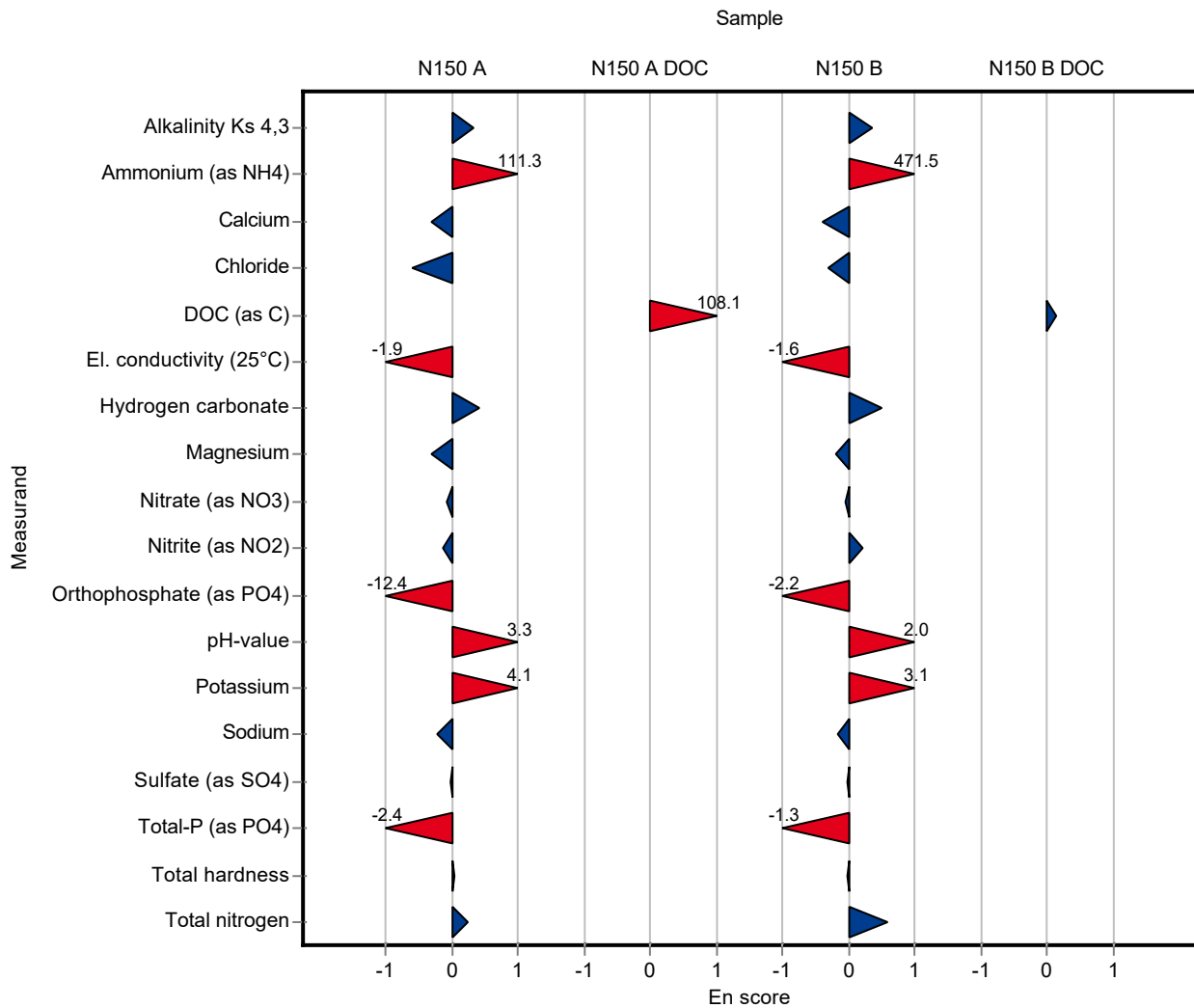
Sample: N150B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	2.74 ± 0.0137	2.806 ± 0.1	0.0547	103	0.35
Ammonium (as NH ₄)	mg/l	0.321 ± 0.00634	4.435 ± 0.003	0.0385	1380	471.00
Boron	mg/l	0.00948 ± 0.00044	- ± -	0.00104	-	-
Calcium	mg/l	48.2 ± 0.463	46.91 ± 1.7	1.5	97.3	-0.39

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Chloride	mg/l	11.5 ± 0.13	11.34 ± 0.2	0.459	98.8	-0.32
El. conductivity (25°C)	µS/cm	350 ± 1.44	343.7 ± 2	4.56	98.1	-1.59
Hydrogen carbonate	mg/l	165 ± 1.09	171.2 ± 6.1	3.3	104	0.50
Magnesium	mg/l	10.9 ± 0.149	10.55 ± 0.8	0.435	96.9	-0.21
Nitrate (as NO ₃)	mg/l	12 ± 0.174	11.97 ± 0.4	0.601	99.6	-0.06
Nitrite (as NO ₂)	mg/l	0.221 ± 0.00316	0.222 ± 0.002	0.0117	101	0.22
Orthophosphate (as PO ₄)	mg/l	0.166 ± 0.00363	0.154 ± 0.002	0.0149	92.8	-2.22
pH-value	-	7.74 ± 0.033	7.95 ± 0.05	0.155	103	2.04
Potassium	mg/l	1.24 ± 0.0282	1.39 ± 0.02	0.0644	112	3.08
Sodium	mg/l	6.39 ± 0.087	6.13 ± 0.8	0.217	95.9	-0.16
Sulfate (as SO ₄)	mg/l	18.3 ± 0.193	18.14 ± 2	0.603	99.2	-0.03
Total-P (as PO ₄)	mg/l	0.7 ± 0.0182	0.674 ± 0.005	0.0525	96.3	-1.26
Total hardness	mmol/l	1.68 ± 0.022	1.673 ± 0.1	0.0504	99.6	-0.03
Total nitrogen	mg/l	3.1 ± 0.101	3.35 ± 0.2	0.258	108	0.60

Sample: N150BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	2.45 ± 0.0593	2.5 ± 0.2	0.245	102	0.13



Sample: N150A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	4.1 ± 0.0162	4.03 ± 0.2	0.0821	98.2	-0.91
Ammonium (as NH ₄)	mg/l	0.0588 ± 0.0023	0.049 ± 0.004	0.00706	83.4	-1.39
Boron	mg/l	0.0209 ± 0.000944	0.005 ± 0.003	0.0023	23.9	-6.92
Calcium	mg/l	71.6 ± 0.691	71.2 ± 3	2.22	99.4	-0.20
Chloride	mg/l	31 ± 0.209	31.2 ± 2	1.24	101	0.16
El. conductivity (25°C)	µS/cm	545 ± 2.62	525 ± 5	7.09	96.3	-2.84
Hydrogen carbonate	mg/l	249 ± 1.82	246 ± 12	4.99	98.6	-0.69
Magnesium	mg/l	16.2 ± 0.207	16.8 ± 0.3	0.648	104	0.92
Nitrate (as NO ₃)	mg/l	7.06 ± 0.16	6.44 ± 0.64	0.353	91.3	-1.75
Nitrite (as NO ₂)	mg/l	0.202 ± 0.00286	0.19 ± 0.006	0.0107	94.2	-1.09
Orthophosphate (as PO ₄)	mg/l	0.137 ± 0.00441	0.13 ± 0.005	0.0123	95.1	-0.54
pH-value	-	7.77 ± 0.027	7.68 ± 0.05	0.155	98.9	-0.56
Potassium	mg/l	2.28 ± 0.0331	2.25 ± 0.09	0.118	98.8	-0.23
Sodium	mg/l	17.7 ± 0.216	18.6 ± 1	0.602	105	1.48
Sulfate (as SO ₄)	mg/l	31.2 ± 0.278	25.4 ± 1.5	1.03	81.4	-5.63
Total-P (as PO ₄)	mg/l	1.48 ± 0.0285	- ± -	0.111	-	-
Total hardness	mmol/l	2.48 ± 0.0362	2.47 ± 0.09	0.0745	99.4	-0.19
Total nitrogen	mg/l	1.76 ± 0.0577	- ± -	0.146	-	-

Sample: N150ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.85 ± 0.0645	- ± -	0.185	-	-

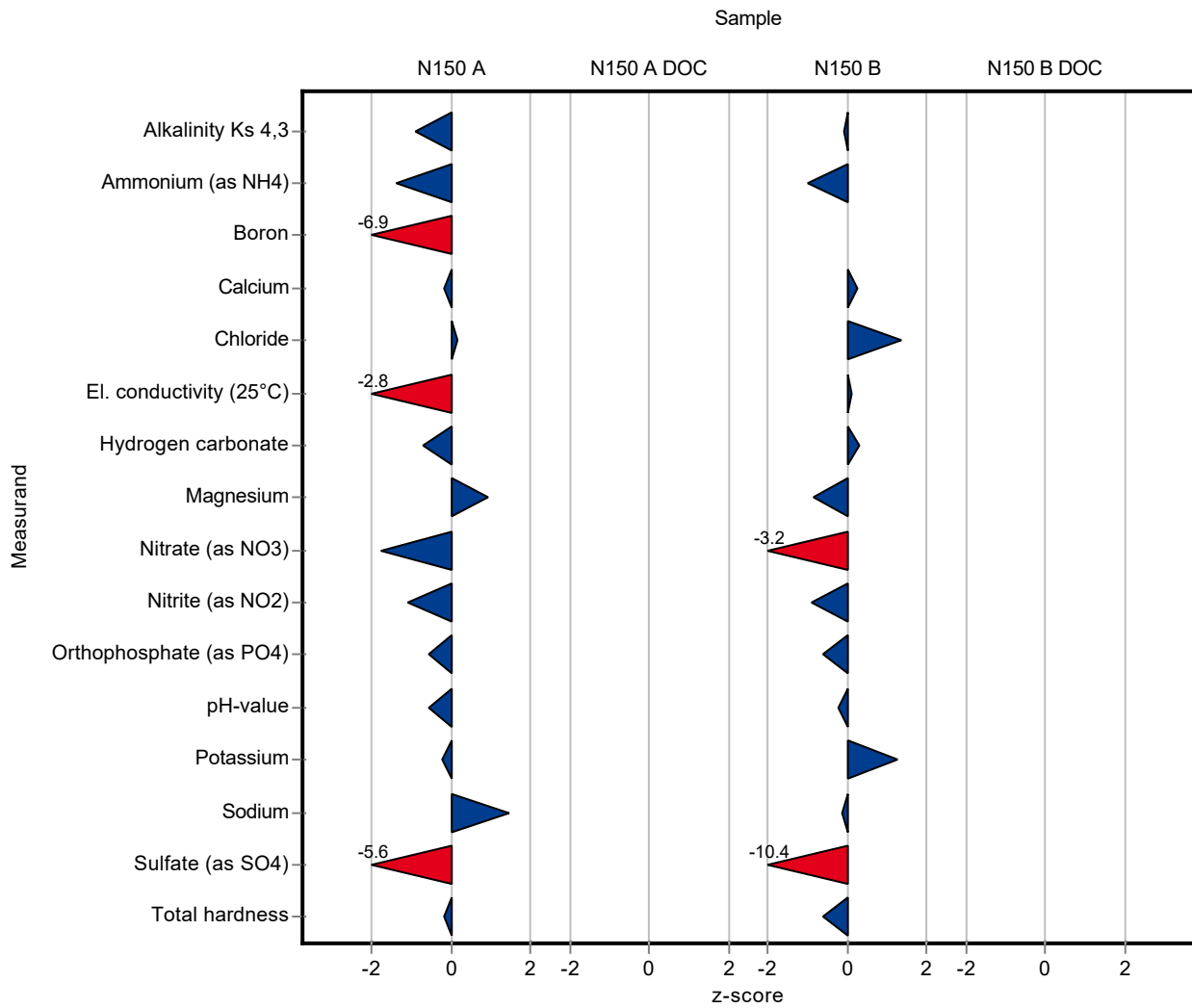
Sample: N150B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	2.74 ± 0.0137	2.73 ± 0.2	0.0547	99.8	-0.09
Ammonium (as NH ₄)	mg/l	0.321 ± 0.00634	0.282 ± 0.004	0.0385	87.9	-1.01
Boron	mg/l	0.00948 ± 0.00044	<0.005 (LOQ) ± -	0.00104	-	-
Calcium	mg/l	48.2 ± 0.463	48.6 ± 3	1.5	101	0.24

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Chloride	mg/l	11.5 ± 0.13	12.1 ± 0.8	0.459	105	1.36
El. conductivity (25°C)	µS/cm	350 ± 1.44	351 ± 5	4.56	100	0.12
Hydrogen carbonate	mg/l	165 ± 1.09	166 ± 8	3.3	101	0.29
Magnesium	mg/l	10.9 ± 0.149	10.5 ± 0.3	0.435	96.5	-0.88
Nitrate (as NO ₃)	mg/l	12 ± 0.174	10.1 ± 1	0.601	84	-3.19
Nitrite (as NO ₂)	mg/l	0.221 ± 0.00316	0.21 ± 0.006	0.0117	95.1	-0.93
Orthophosphate (as PO ₄)	mg/l	0.166 ± 0.00363	0.157 ± 0.005	0.0149	94.6	-0.60
pH-value	-	7.74 ± 0.033	7.7 ± 0.02	0.155	99.5	-0.23
Potassium	mg/l	1.24 ± 0.0282	1.32 ± 0.09	0.0644	107	1.25
Sodium	mg/l	6.39 ± 0.087	6.36 ± 0.04	0.217	99.5	-0.15
Sulfate (as SO ₄)	mg/l	18.3 ± 0.193	12 ± 0.7	0.603	65.7	-10.40
Total-P (as PO ₄)	mg/l	0.7 ± 0.0182	- ± -	0.0525	-	-
Total hardness	mmol/l	1.68 ± 0.022	1.65 ± 0.09	0.0504	98.2	-0.59
Total nitrogen	mg/l	3.1 ± 0.101	- ± -	0.258	-	-

Sample: N150BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.45 ± 0.0593	- ± -	0.245	-	-



Sample: N150A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	4.1 ± 0.0162	4.03 ± 0.2	0.0821	98.2	-0.19
Ammonium (as NH ₄)	mg/l	0.0588 ± 0.0023	0.049 ± 0.004	0.00706	83.4	-1.17
Boron	mg/l	0.0209 ± 0.000944	0.005 ± 0.003	0.0023	23.9	-2.63
Calcium	mg/l	71.6 ± 0.691	71.2 ± 3	2.22	99.4	-0.07
Chloride	mg/l	31 ± 0.209	31.2 ± 2	1.24	101	0.05
El. conductivity (25°C)	µS/cm	545 ± 2.62	525 ± 5	7.09	96.3	-1.95
Hydrogen carbonate	mg/l	249 ± 1.82	246 ± 12	4.99	98.6	-0.14
Magnesium	mg/l	16.2 ± 0.207	16.8 ± 0.3	0.648	104	0.94
Nitrate (as NO ₃)	mg/l	7.06 ± 0.16	6.44 ± 0.64	0.353	91.3	-0.48
Nitrite (as NO ₂)	mg/l	0.202 ± 0.00286	0.19 ± 0.006	0.0107	94.2	-0.94
Orthophosphate (as PO ₄)	mg/l	0.137 ± 0.00441	0.13 ± 0.005	0.0123	95.1	-0.61
pH-value	-	7.77 ± 0.027	7.68 ± 0.05	0.155	98.9	-0.84
Potassium	mg/l	2.28 ± 0.0331	2.25 ± 0.09	0.118	98.8	-0.15
Sodium	mg/l	17.7 ± 0.216	18.6 ± 1	0.602	105	0.44
Sulfate (as SO ₄)	mg/l	31.2 ± 0.278	25.4 ± 1.5	1.03	81.4	-1.92
Total-P (as PO ₄)	mg/l	1.48 ± 0.0285	- ± -	0.111	-	-
Total hardness	mmol/l	2.48 ± 0.0362	2.47 ± 0.09	0.0745	99.4	-0.08
Total nitrogen	mg/l	1.76 ± 0.0577	- ± -	0.146	-	-

Sample: N150ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.85 ± 0.0645	- ± -	0.185	-	-

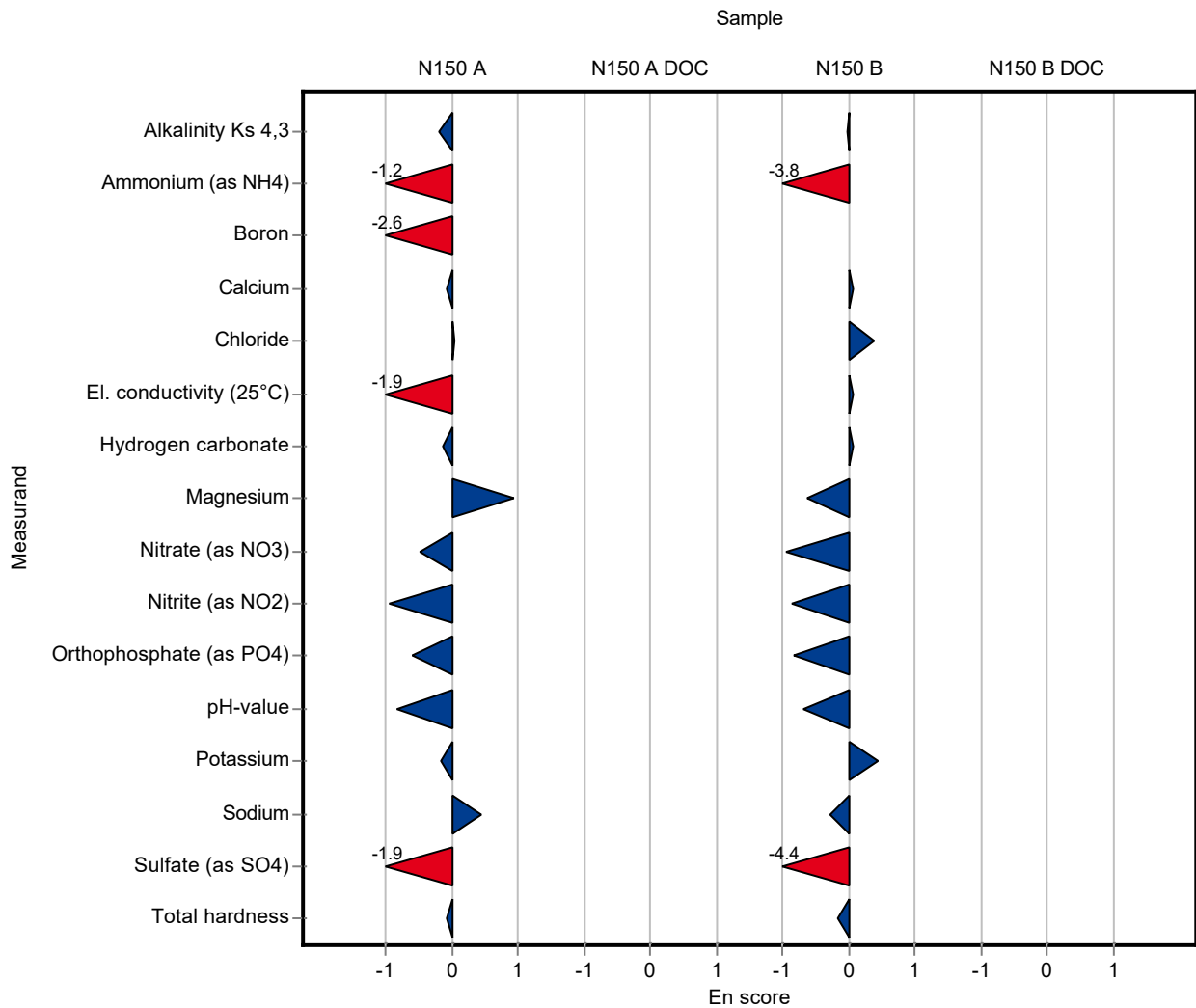
Sample: N150B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	2.74 ± 0.0137	2.73 ± 0.2	0.0547	99.8	-0.01
Ammonium (as NH ₄)	mg/l	0.321 ± 0.00634	0.282 ± 0.004	0.0385	87.9	-3.79
Boron	mg/l	0.00948 ± 0.00044	<0.005 (LOQ) ± -	0.00104	-	-
Calcium	mg/l	48.2 ± 0.463	48.6 ± 3	1.5	101	0.06

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Chloride	mg/l	11.5 ± 0.13	12.1 ± 0.8	0.459	105	0.39
El. conductivity (25°C)	µS/cm	350 ± 1.44	351 ± 5	4.56	100	0.05
Hydrogen carbonate	mg/l	165 ± 1.09	166 ± 8	3.3	101	0.06
Magnesium	mg/l	10.9 ± 0.149	10.5 ± 0.3	0.435	96.5	-0.62
Nitrate (as NO ₃)	mg/l	12 ± 0.174	10.1 ± 1	0.601	84	-0.96
Nitrite (as NO ₂)	mg/l	0.221 ± 0.00316	0.21 ± 0.006	0.0117	95.1	-0.88
Orthophosphate (as PO ₄)	mg/l	0.166 ± 0.00363	0.157 ± 0.005	0.0149	94.6	-0.84
pH-value	-	7.74 ± 0.033	7.7 ± 0.02	0.155	99.5	-0.68
Potassium	mg/l	1.24 ± 0.0282	1.32 ± 0.09	0.0644	107	0.44
Sodium	mg/l	6.39 ± 0.087	6.36 ± 0.04	0.217	99.5	-0.27
Sulfate (as SO ₄)	mg/l	18.3 ± 0.193	12 ± 0.7	0.603	65.7	-4.44
Total-P (as PO ₄)	mg/l	0.7 ± 0.0182	- ± -	0.0525	-	-
Total hardness	mmol/l	1.68 ± 0.022	1.65 ± 0.09	0.0504	98.2	-0.17
Total nitrogen	mg/l	3.1 ± 0.101	- ± -	0.258	-	-

Sample: N150BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	2.45 ± 0.0593	- ± -	0.245	-	-



Sample: N150A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	4.1 ± 0.0162	2.85 ± 0.1	0.0821	69.4	-15.30
Ammonium (as NH ₄)	mg/l	0.0588 ± 0.0023	0.077 ± 0.011	0.00706	131	2.58
Boron	mg/l	0.0209 ± 0.000944	0.0207 ± 0.0001	0.0023	98.8	-0.11
Calcium	mg/l	71.6 ± 0.691	66.433 ± 0.106	2.22	92.7	-2.34
Chloride	mg/l	31 ± 0.209	31.625 ± 0.058	1.24	102	0.50
El. conductivity (25°C)	µS/cm	545 ± 2.62	543 ± 12	7.09	99.6	-0.30
Hydrogen carbonate	mg/l	249 ± 1.82	262.39 ± 1	4.99	105	2.60
Magnesium	mg/l	16.2 ± 0.207	14.211 ± 0.035	0.648	87.7	-3.07
Nitrate (as NO ₃)	mg/l	7.06 ± 0.16	6.78 ± 0.015	0.353	96.1	-0.79
Nitrite (as NO ₂)	mg/l	0.202 ± 0.00286	0.213 ± 0.003	0.0107	106	1.06
Orthophosphate (as PO ₄)	mg/l	0.137 ± 0.00441	0.057 ± 0.001	0.0123	41.7	-6.48
pH-value	-	7.77 ± 0.027	7.774 ± 0.176	0.155	100	0.04
Potassium	mg/l	2.28 ± 0.0331	2.203 ± 0.005	0.118	96.7	-0.63
Sodium	mg/l	17.7 ± 0.216	16.238 ± 0.11	0.602	91.7	-2.45
Sulfate (as SO ₄)	mg/l	31.2 ± 0.278	31.149 ± 0.07	1.03	99.8	-0.05
Total-P (as PO ₄)	mg/l	1.48 ± 0.0285	2.012 ± 0.064	0.111	136	4.74
Total hardness	mmol/l	2.48 ± 0.0362	2.25 ± 0.02	0.0745	90.6	-3.14
Total nitrogen	mg/l	1.76 ± 0.0577	2.935 ± 0.063	0.146	167	8.04

Sample: N150ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.85 ± 0.0645	2.00419 ± 0.03	0.185	108	0.83

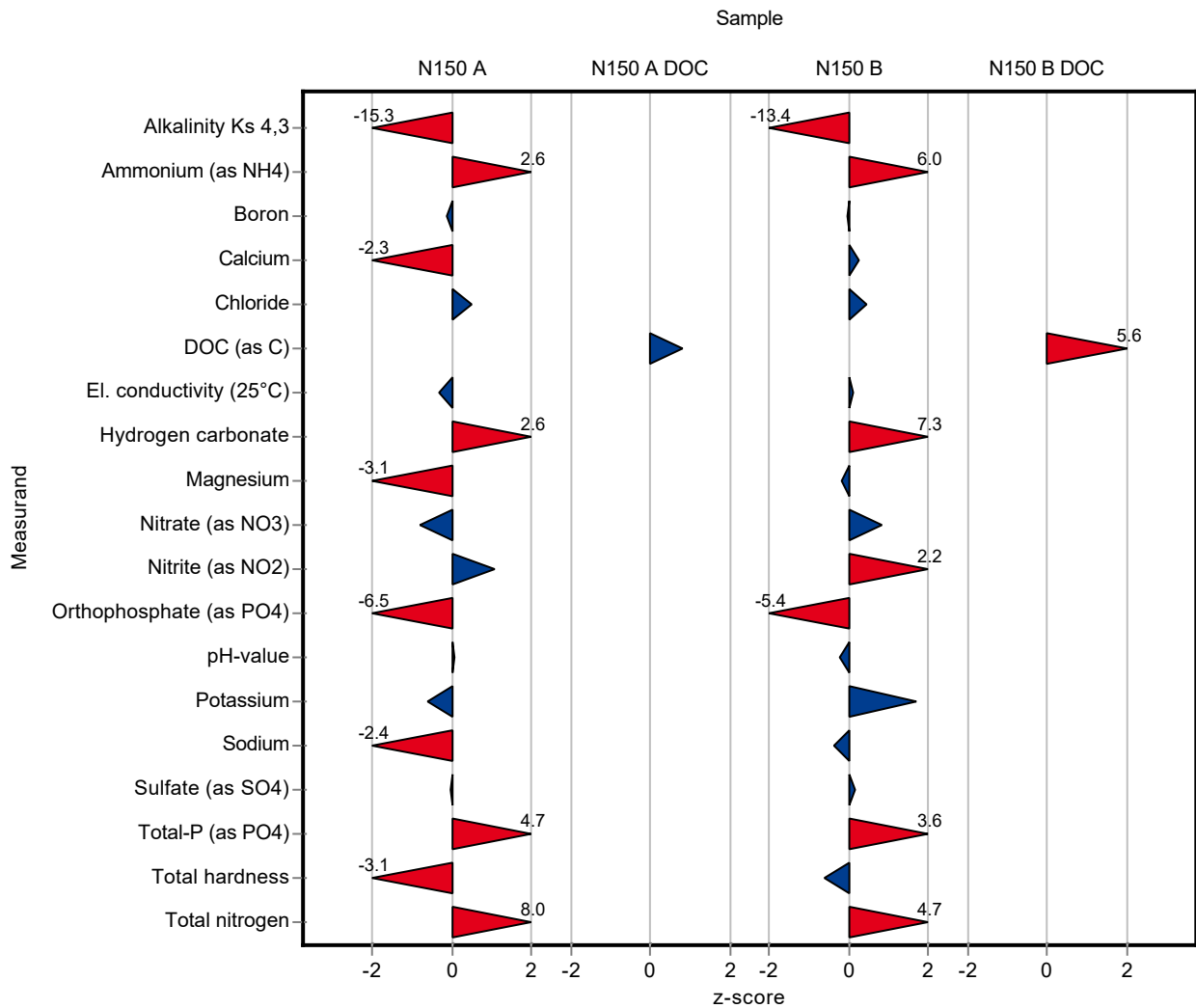
Sample: N150B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	2.74 ± 0.0137	2 ± 0.1	0.0547	73.1	-13.40
Ammonium (as NH ₄)	mg/l	0.321 ± 0.00634	0.553 ± 0.012	0.0385	172	6.04
Boron	mg/l	0.00948 ± 0.00044	0.00942 ± 0.0001	0.00104	99.3	-0.06
Calcium	mg/l	48.2 ± 0.463	48.637 ± 0.319	1.5	101	0.27

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Chloride	mg/l	11.5 ± 0.13	11.678 ± 0.041	0.459	102	0.44
El. conductivity (25°C)	µS/cm	350 ± 1.44	351 ± 1	4.56	100	0.12
Hydrogen carbonate	mg/l	165 ± 1.09	189.16 ± 1	3.3	115	7.30
Magnesium	mg/l	10.9 ± 0.149	10.808 ± 0.377	0.435	99.3	-0.17
Nitrate (as NO ₃)	mg/l	12 ± 0.174	12.515 ± 0.056	0.601	104	0.83
Nitrite (as NO ₂)	mg/l	0.221 ± 0.00316	0.247 ± 0.002	0.0117	112	2.23
Orthophosphate (as PO ₄)	mg/l	0.166 ± 0.00363	0.086 ± 0.001	0.0149	51.8	-5.35
pH-value	-	7.74 ± 0.033	7.696 ± 0.006	0.155	99.5	-0.25
Potassium	mg/l	1.24 ± 0.0282	1.35 ± 0.029	0.0644	109	1.72
Sodium	mg/l	6.39 ± 0.087	6.309 ± 0.024	0.217	98.7	-0.38
Sulfate (as SO ₄)	mg/l	18.3 ± 0.193	18.363 ± 0.138	0.603	100	0.14
Total-P (as PO ₄)	mg/l	0.7 ± 0.0182	0.889 ± 0.004	0.0525	127	3.60
Total hardness	mmol/l	1.68 ± 0.022	1.65 ± 0.02	0.0504	98.2	-0.59
Total nitrogen	mg/l	3.1 ± 0.101	4.324 ± 0.073	0.258	139	4.74

Sample: N150BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.45 ± 0.0593	3.809 ± 0.09	0.245	156	5.57



Sample: N150A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	4.1 ± 0.0162	2.85 ± 0.1	0.0821	69.4	-6.25
Ammonium (as NH ₄)	mg/l	0.0588 ± 0.0023	0.077 ± 0.011	0.00706	131	0.82
Boron	mg/l	0.0209 ± 0.000944	0.0207 ± 0.0001	0.0023	98.8	-0.26
Calcium	mg/l	71.6 ± 0.691	66.433 ± 0.106	2.22	92.7	-7.20
Chloride	mg/l	31 ± 0.209	31.625 ± 0.058	1.24	102	2.60
El. conductivity (25°C)	µS/cm	545 ± 2.62	543 ± 12	7.09	99.6	-0.09
Hydrogen carbonate	mg/l	249 ± 1.82	262.39 ± 1	4.99	105	4.79
Magnesium	mg/l	16.2 ± 0.207	14.211 ± 0.035	0.648	87.7	-9.11
Nitrate (as NO ₃)	mg/l	7.06 ± 0.16	6.78 ± 0.015	0.353	96.1	-1.70
Nitrite (as NO ₂)	mg/l	0.202 ± 0.00286	0.213 ± 0.003	0.0107	106	1.71
Orthophosphate (as PO ₄)	mg/l	0.137 ± 0.00441	0.057 ± 0.001	0.0123	41.7	-16.50
pH-value	-	7.77 ± 0.027	7.774 ± 0.176	0.155	100	0.02
Potassium	mg/l	2.28 ± 0.0331	2.203 ± 0.005	0.118	96.7	-2.16
Sodium	mg/l	17.7 ± 0.216	16.238 ± 0.11	0.602	91.7	-4.78
Sulfate (as SO ₄)	mg/l	31.2 ± 0.278	31.149 ± 0.07	1.03	99.8	-0.15
Total-P (as PO ₄)	mg/l	1.48 ± 0.0285	2.012 ± 0.064	0.111	136	4.03
Total hardness	mmol/l	2.48 ± 0.0362	2.25 ± 0.02	0.0745	90.6	-4.34
Total nitrogen	mg/l	1.76 ± 0.0577	2.935 ± 0.063	0.146	167	8.48

Sample: N150ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.85 ± 0.0645	2.00419 ± 0.03	0.185	108	1.74

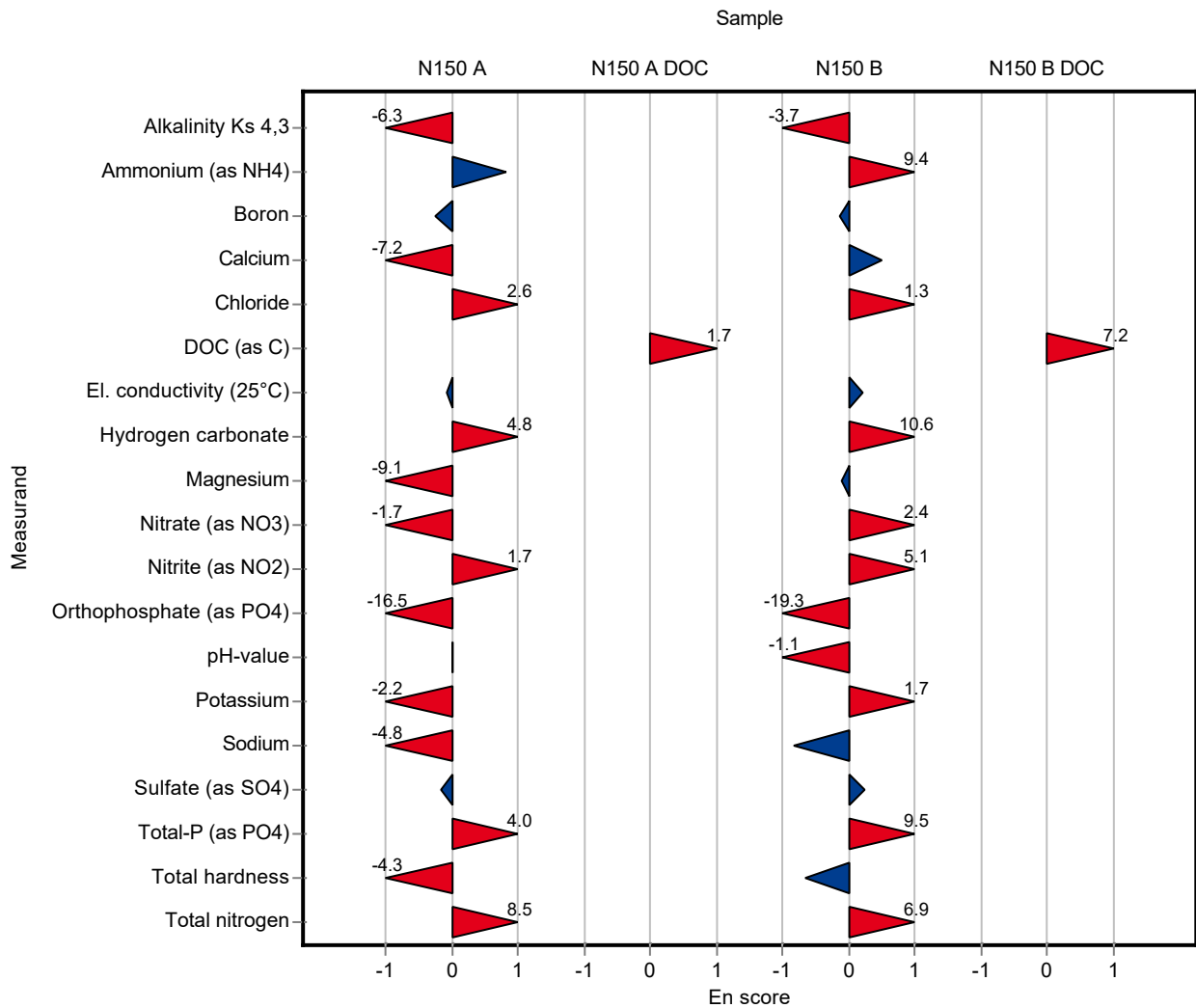
Sample: N150B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	2.74 ± 0.0137	2 ± 0.1	0.0547	73.1	-3.67
Ammonium (as NH ₄)	mg/l	0.321 ± 0.00634	0.553 ± 0.012	0.0385	172	9.36
Boron	mg/l	0.00948 ± 0.00044	0.00942 ± 0.0001	0.00104	99.3	-0.13
Calcium	mg/l	48.2 ± 0.463	48.637 ± 0.319	1.5	101	0.51

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Chloride	mg/l	11.5 ± 0.13	11.678 ± 0.041	0.459	102	1.31
El. conductivity (25°C)	µS/cm	350 ± 1.44	351 ± 1	4.56	100	0.22
Hydrogen carbonate	mg/l	165 ± 1.09	189.16 ± 1	3.3	115	10.60
Magnesium	mg/l	10.9 ± 0.149	10.808 ± 0.377	0.435	99.3	-0.10
Nitrate (as NO ₃)	mg/l	12 ± 0.174	12.515 ± 0.056	0.601	104	2.39
Nitrite (as NO ₂)	mg/l	0.221 ± 0.00316	0.247 ± 0.002	0.0117	112	5.12
Orthophosphate (as PO ₄)	mg/l	0.166 ± 0.00363	0.086 ± 0.001	0.0149	51.8	-19.30
pH-value	-	7.74 ± 0.033	7.696 ± 0.006	0.155	99.5	-1.12
Potassium	mg/l	1.24 ± 0.0282	1.35 ± 0.029	0.0644	109	1.72
Sodium	mg/l	6.39 ± 0.087	6.309 ± 0.024	0.217	98.7	-0.84
Sulfate (as SO ₄)	mg/l	18.3 ± 0.193	18.363 ± 0.138	0.603	100	0.25
Total-P (as PO ₄)	mg/l	0.7 ± 0.0182	0.889 ± 0.004	0.0525	127	9.50
Total hardness	mmol/l	1.68 ± 0.022	1.65 ± 0.02	0.0504	98.2	-0.66
Total nitrogen	mg/l	3.1 ± 0.101	4.324 ± 0.073	0.258	139	6.88

Sample: N150BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	2.45 ± 0.0593	3.809 ± 0.09	0.245	156	7.19



Sample: N150A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	4.1 ± 0.0162	4.09 ± 0.4	0.0821	99.6	-0.18
Ammonium (as NH ₄)	mg/l	0.0588 ± 0.0023	0.056 ± 0.006	0.00706	95.3	-0.39
Boron	mg/l	0.0209 ± 0.000944	- ± -	0.0023	-	-
Calcium	mg/l	71.6 ± 0.691	71.3 ± 7	2.22	99.5	-0.15
Chloride	mg/l	31 ± 0.209	29.9 ± 3	1.24	96.4	-0.89
El. conductivity (25°C)	µS/cm	545 ± 2.62	545 ± 55	7.09	100	-0.02
Hydrogen carbonate	mg/l	249 ± 1.82	- ± -	4.99	-	-
Magnesium	mg/l	16.2 ± 0.207	16.3 ± 1.6	0.648	101	0.15
Nitrate (as NO ₃)	mg/l	7.06 ± 0.16	7.09 ± 0.7	0.353	100	0.09
Nitrite (as NO ₂)	mg/l	0.202 ± 0.00286	0.198 ± 0.02	0.0107	98.2	-0.34
Orthophosphate (as PO ₄)	mg/l	0.137 ± 0.00441	0.078 ± 0.008	0.0123	57.1	-4.77
pH-value	-	7.77 ± 0.027	7.85 ± 0.2	0.155	101	0.53
Potassium	mg/l	2.28 ± 0.0331	2.27 ± 0.23	0.118	99.7	-0.06
Sodium	mg/l	17.7 ± 0.216	18.2 ± 1.8	0.602	103	0.81
Sulfate (as SO ₄)	mg/l	31.2 ± 0.278	29.9 ± 3	1.03	95.8	-1.26
Total-P (as PO ₄)	mg/l	1.48 ± 0.0285	0.951 ± 0.095	0.111	64.1	-4.79
Total hardness	mmol/l	2.48 ± 0.0362	- ± -	0.0745	-	-
Total nitrogen	mg/l	1.76 ± 0.0577	1.83 ± 0.18	0.146	104	0.47

Sample: N150ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.85 ± 0.0645	1.83 ± 0.18	0.185	98.9	-0.12

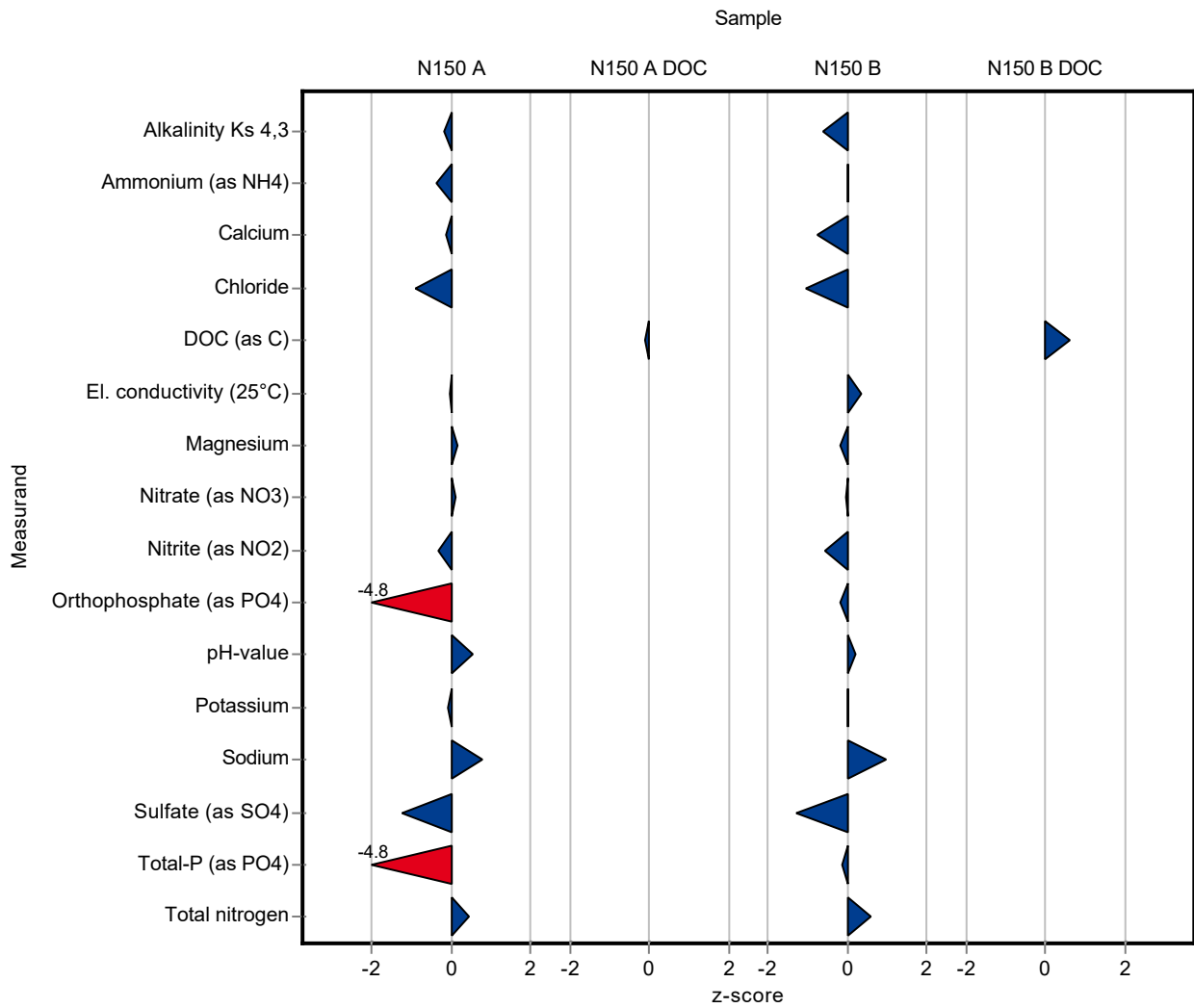
Sample: N150B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	2.74 ± 0.0137	2.7 ± 0.27	0.0547	98.7	-0.64
Ammonium (as NH ₄)	mg/l	0.321 ± 0.00634	0.322 ± 0.032	0.0385	100	0.03
Boron	mg/l	0.00948 ± 0.00044	- ± -	0.00104	-	-
Calcium	mg/l	48.2 ± 0.463	47.1 ± 4.7	1.5	97.7	-0.76

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Chloride	mg/l	11.5 ± 0.13	11 ± 1.1	0.459	95.9	-1.04
El. conductivity (25°C)	µS/cm	350 ± 1.44	352 ± 35	4.56	100	0.34
Hydrogen carbonate	mg/l	165 ± 1.09	- ± -	3.3	-	-
Magnesium	mg/l	10.9 ± 0.149	10.8 ± 1.1	0.435	99.2	-0.19
Nitrate (as NO ₃)	mg/l	12 ± 0.174	12 ± 1.2	0.601	99.8	-0.03
Nitrite (as NO ₂)	mg/l	0.221 ± 0.00316	0.214 ± 0.021	0.0117	96.9	-0.59
Orthophosphate (as PO ₄)	mg/l	0.166 ± 0.00363	0.163 ± 0.016	0.0149	98.2	-0.20
pH-value	-	7.74 ± 0.033	7.77 ± 0.2	0.155	100	0.22
Potassium	mg/l	1.24 ± 0.0282	1.24 ± 0.12	0.0644	100	0.01
Sodium	mg/l	6.39 ± 0.087	6.6 ± 0.66	0.217	103	0.96
Sulfate (as SO ₄)	mg/l	18.3 ± 0.193	17.5 ± 0.18	0.603	95.7	-1.29
Total-P (as PO ₄)	mg/l	0.7 ± 0.0182	0.692 ± 0.069	0.0525	98.8	-0.15
Total hardness	mmol/l	1.68 ± 0.022	- ± -	0.0504	-	-
Total nitrogen	mg/l	3.1 ± 0.101	3.25 ± 0.33	0.258	105	0.57

Sample: N150BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.45 ± 0.0593	2.59 ± 0.26	0.245	106	0.59



Sample: N150A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	4.1 ± 0.0162	4.09 ± 0.4	0.0821	99.6	-0.02
Ammonium (as NH4)	mg/l	0.0588 ± 0.0023	0.056 ± 0.006	0.00706	95.3	-0.23
Boron	mg/l	0.0209 ± 0.000944	- ± -	0.0023	-	-
Calcium	mg/l	71.6 ± 0.691	71.3 ± 7	2.22	99.5	-0.02
Chloride	mg/l	31 ± 0.209	29.9 ± 3	1.24	96.4	-0.18
El. conductivity (25°C)	µS/cm	545 ± 2.62	545 ± 55	7.09	100	0.00
Hydrogen carbonate	mg/l	249 ± 1.82	- ± -	4.99	-	-
Magnesium	mg/l	16.2 ± 0.207	16.3 ± 1.6	0.648	101	0.03
Nitrate (as NO3)	mg/l	7.06 ± 0.16	7.09 ± 0.7	0.353	100	0.02
Nitrite (as NO2)	mg/l	0.202 ± 0.00286	0.198 ± 0.02	0.0107	98.2	-0.09
Orthophosphate (as PO4)	mg/l	0.137 ± 0.00441	0.078 ± 0.008	0.0123	57.1	-3.54
pH-value	-	7.77 ± 0.027	7.85 ± 0.2	0.155	101	0.21
Potassium	mg/l	2.28 ± 0.0331	2.27 ± 0.23	0.118	99.7	-0.02
Sodium	mg/l	17.7 ± 0.216	18.2 ± 1.8	0.602	103	0.14
Sulfate (as SO4)	mg/l	31.2 ± 0.278	29.9 ± 3	1.03	95.8	-0.22
Total-P (as PO4)	mg/l	1.48 ± 0.0285	0.951 ± 0.095	0.111	64.1	-2.77
Total hardness	mmol/l	2.48 ± 0.0362	- ± -	0.0745	-	-
Total nitrogen	mg/l	1.76 ± 0.0577	1.83 ± 0.18	0.146	104	0.19

Sample: N150ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.85 ± 0.0645	1.83 ± 0.18	0.185	98.9	-0.06

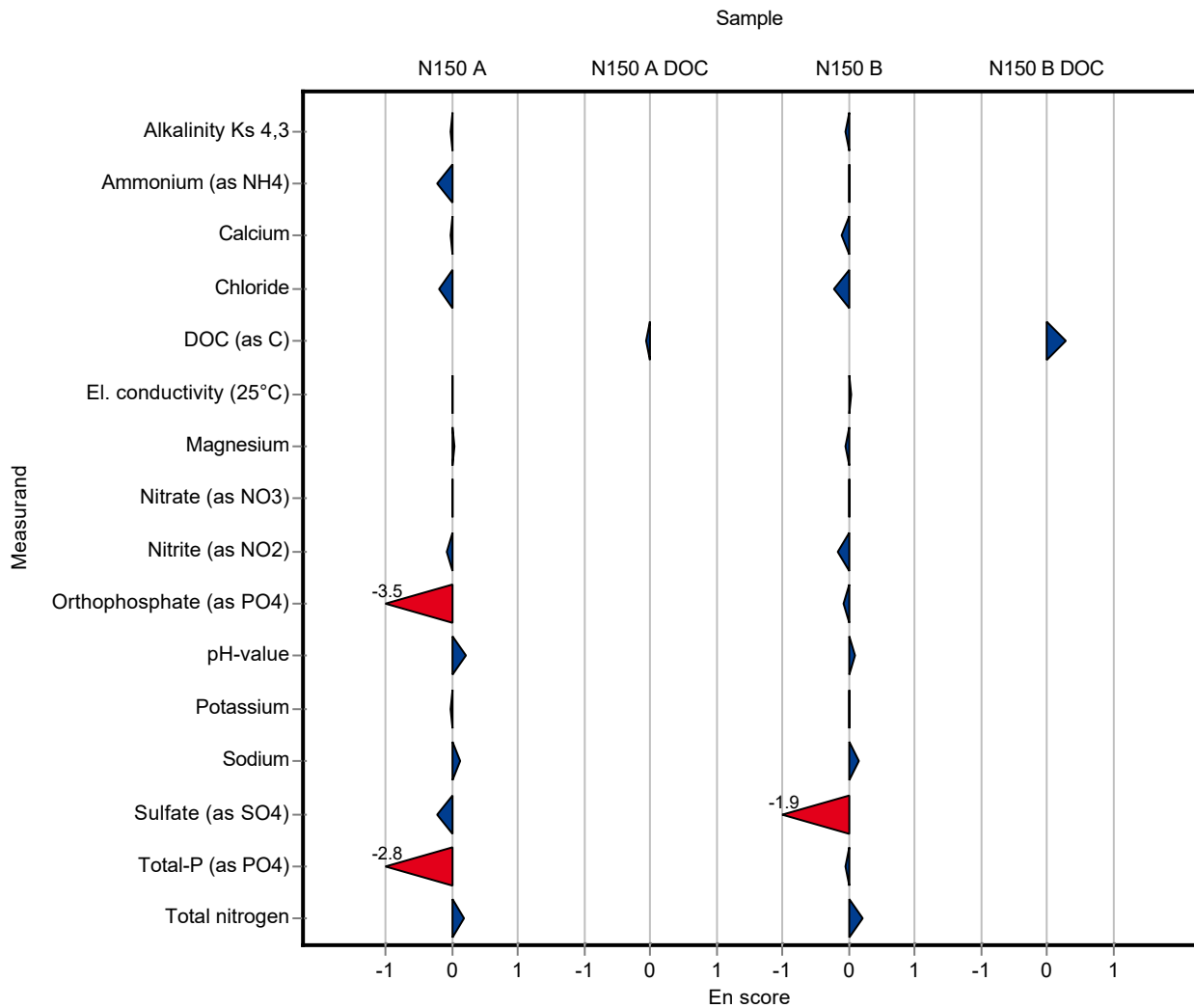
Sample: N150B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	2.74 ± 0.0137	2.7 ± 0.27	0.0547	98.7	-0.06
Ammonium (as NH4)	mg/l	0.321 ± 0.00634	0.322 ± 0.032	0.0385	100	0.02
Boron	mg/l	0.00948 ± 0.00044	- ± -	0.00104	-	-
Calcium	mg/l	48.2 ± 0.463	47.1 ± 4.7	1.5	97.7	-0.12

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Chloride	mg/l	11.5 ± 0.13	11 ± 1.1	0.459	95.9	-0.22
El. conductivity (25°C)	µS/cm	350 ± 1.44	352 ± 35	4.56	100	0.02
Hydrogen carbonate	mg/l	165 ± 1.09	- ± -	3.3	-	-
Magnesium	mg/l	10.9 ± 0.149	10.8 ± 1.1	0.435	99.2	-0.04
Nitrate (as NO ₃)	mg/l	12 ± 0.174	12 ± 1.2	0.601	99.8	-0.01
Nitrite (as NO ₂)	mg/l	0.221 ± 0.00316	0.214 ± 0.021	0.0117	96.9	-0.16
Orthophosphate (as PO ₄)	mg/l	0.166 ± 0.00363	0.163 ± 0.016	0.0149	98.2	-0.09
pH-value	-	7.74 ± 0.033	7.77 ± 0.2	0.155	100	0.09
Potassium	mg/l	1.24 ± 0.0282	1.24 ± 0.12	0.0644	100	0.00
Sodium	mg/l	6.39 ± 0.087	6.6 ± 0.66	0.217	103	0.16
Sulfate (as SO ₄)	mg/l	18.3 ± 0.193	17.5 ± 0.18	0.603	95.7	-1.91
Total-P (as PO ₄)	mg/l	0.7 ± 0.0182	0.692 ± 0.069	0.0525	98.8	-0.06
Total hardness	mmol/l	1.68 ± 0.022	- ± -	0.0504	-	-
Total nitrogen	mg/l	3.1 ± 0.101	3.25 ± 0.33	0.258	105	0.22

Sample: N150BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	2.45 ± 0.0593	2.59 ± 0.26	0.245	106	0.28



Sample: N150A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	4.1 ± 0.0162	4.11 ± 0.05	0.0821	100	0.07
Ammonium (as NH ₄)	mg/l	0.0588 ± 0.0023	- ± -	0.00706	-	-
Boron	mg/l	0.0209 ± 0.000944	- ± -	0.0023	-	-
Calcium	mg/l	71.6 ± 0.691	- ± -	2.22	-	-
Chloride	mg/l	31 ± 0.209	30.2 ± 0.8	1.24	97.4	-0.65
El. conductivity (25°C)	µS/cm	545 ± 2.62	557 ± 3	7.09	102	1.68
Hydrogen carbonate	mg/l	249 ± 1.82	- ± -	4.99	-	-
Magnesium	mg/l	16.2 ± 0.207	- ± -	0.648	-	-
Nitrate (as NO ₃)	mg/l	7.06 ± 0.16	- ± -	0.353	-	-
Nitrite (as NO ₂)	mg/l	0.202 ± 0.00286	- ± -	0.0107	-	-
Orthophosphate (as PO ₄)	mg/l	0.137 ± 0.00441	- ± -	0.0123	-	-
pH-value	-	7.77 ± 0.027	7.69 ± 0.05	0.155	99	-0.50
Potassium	mg/l	2.28 ± 0.0331	- ± -	0.118	-	-
Sodium	mg/l	17.7 ± 0.216	- ± -	0.602	-	-
Sulfate (as SO ₄)	mg/l	31.2 ± 0.278	33 ± 0.98	1.03	106	1.75
Total-P (as PO ₄)	mg/l	1.48 ± 0.0285	- ± -	0.111	-	-
Total hardness	mmol/l	2.48 ± 0.0362	2.58 ± 0.034	0.0745	104	1.29
Total nitrogen	mg/l	1.76 ± 0.0577	- ± -	0.146	-	-

Sample: N150ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.85 ± 0.0645	2.07 ± 0.25	0.185	112	1.18

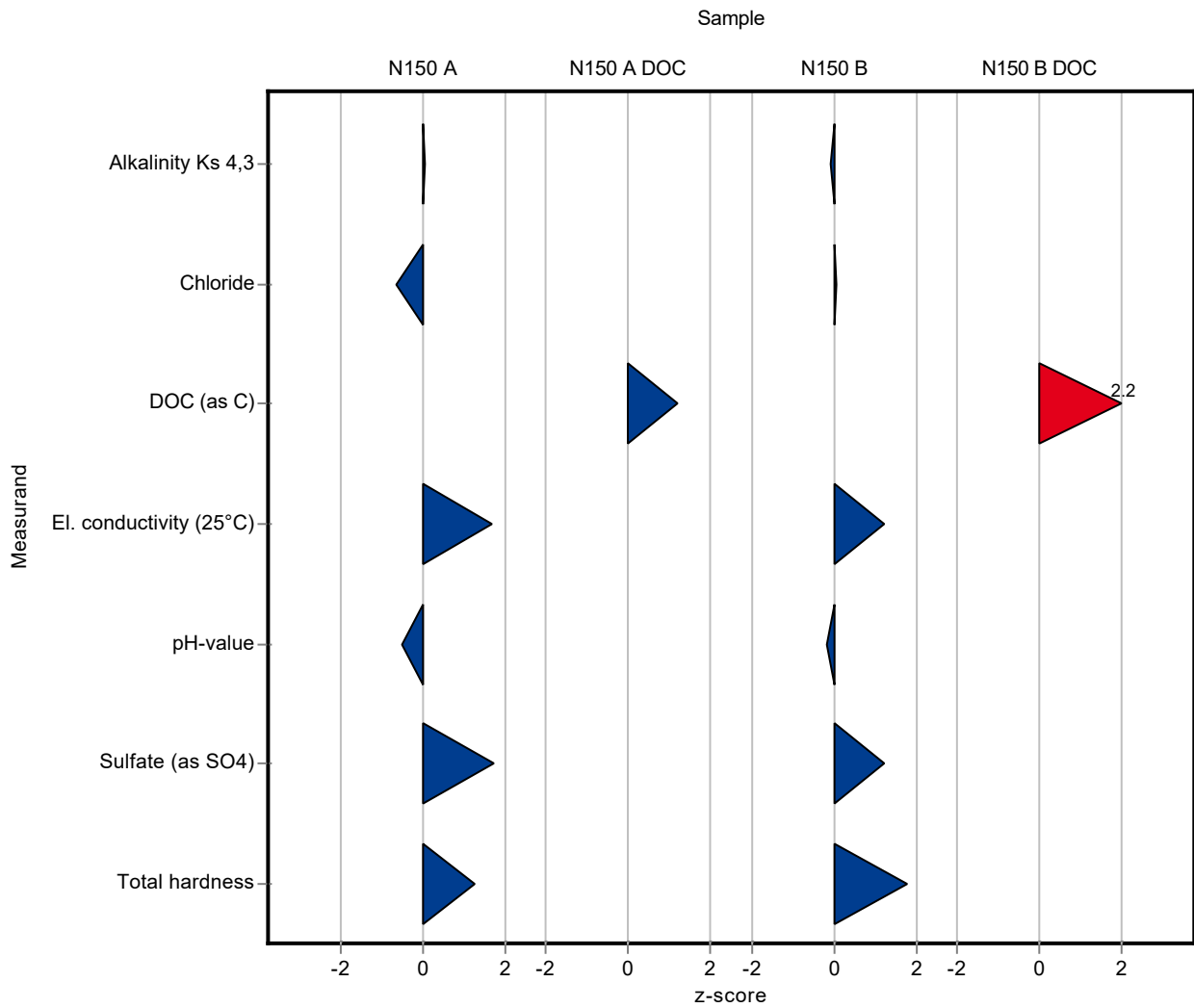
Sample: N150B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	2.74 ± 0.0137	2.73 ± 0.05	0.0547	99.8	-0.09
Ammonium (as NH ₄)	mg/l	0.321 ± 0.00634	- ± -	0.0385	-	-
Boron	mg/l	0.00948 ± 0.00044	- ± -	0.00104	-	-
Calcium	mg/l	48.2 ± 0.463	- ± -	1.5	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Chloride	mg/l	11.5 ± 0.13	11.5 ± 0.25	0.459	100	0.05
El. conductivity (25°C)	µS/cm	350 ± 1.44	356 ± 3	4.56	102	1.22
Hydrogen carbonate	mg/l	165 ± 1.09	- ± -	3.3	-	-
Magnesium	mg/l	10.9 ± 0.149	- ± -	0.435	-	-
Nitrate (as NO ₃)	mg/l	12 ± 0.174	- ± -	0.601	-	-
Nitrite (as NO ₂)	mg/l	0.221 ± 0.00316	- ± -	0.0117	-	-
Orthophosphate (as PO ₄)	mg/l	0.166 ± 0.00363	- ± -	0.0149	-	-
pH-value	-	7.74 ± 0.033	7.71 ± 0.05	0.155	99.7	-0.16
Potassium	mg/l	1.24 ± 0.0282	- ± -	0.0644	-	-
Sodium	mg/l	6.39 ± 0.087	- ± -	0.217	-	-
Sulfate (as SO ₄)	mg/l	18.3 ± 0.193	19 ± 0.84	0.603	104	1.20
Total-P (as PO ₄)	mg/l	0.7 ± 0.0182	- ± -	0.0525	-	-
Total hardness	mmol/l	1.68 ± 0.022	1.77 ± 0.023	0.0504	105	1.79
Total nitrogen	mg/l	3.1 ± 0.101	- ± -	0.258	-	-

Sample: N150BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.45 ± 0.0593	2.98 ± 0.25	0.245	122	2.18



Sample: N150A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	4.1 ± 0.0162	4.11 ± 0.05	0.0821	100	0.06
Ammonium (as NH ₄)	mg/l	0.0588 ± 0.0023	- ± -	0.00706	-	-
Boron	mg/l	0.0209 ± 0.000944	- ± -	0.0023	-	-
Calcium	mg/l	71.6 ± 0.691	- ± -	2.22	-	-
Chloride	mg/l	31 ± 0.209	30.2 ± 0.8	1.24	97.4	-0.50
El. conductivity (25°C)	µS/cm	545 ± 2.62	557 ± 3	7.09	102	1.82
Hydrogen carbonate	mg/l	249 ± 1.82	- ± -	4.99	-	-
Magnesium	mg/l	16.2 ± 0.207	- ± -	0.648	-	-
Nitrate (as NO ₃)	mg/l	7.06 ± 0.16	- ± -	0.353	-	-
Nitrite (as NO ₂)	mg/l	0.202 ± 0.00286	- ± -	0.0107	-	-
Orthophosphate (as PO ₄)	mg/l	0.137 ± 0.00441	- ± -	0.0123	-	-
pH-value	-	7.77 ± 0.027	7.69 ± 0.05	0.155	99	-0.74
Potassium	mg/l	2.28 ± 0.0331	- ± -	0.118	-	-
Sodium	mg/l	17.7 ± 0.216	- ± -	0.602	-	-
Sulfate (as SO ₄)	mg/l	31.2 ± 0.278	33 ± 0.98	1.03	106	0.91
Total-P (as PO ₄)	mg/l	1.48 ± 0.0285	- ± -	0.111	-	-
Total hardness	mmol/l	2.48 ± 0.0362	2.58 ± 0.034	0.0745	104	1.25
Total nitrogen	mg/l	1.76 ± 0.0577	- ± -	0.146	-	-

Sample: N150ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.85 ± 0.0645	2.07 ± 0.25	0.185	112	0.43

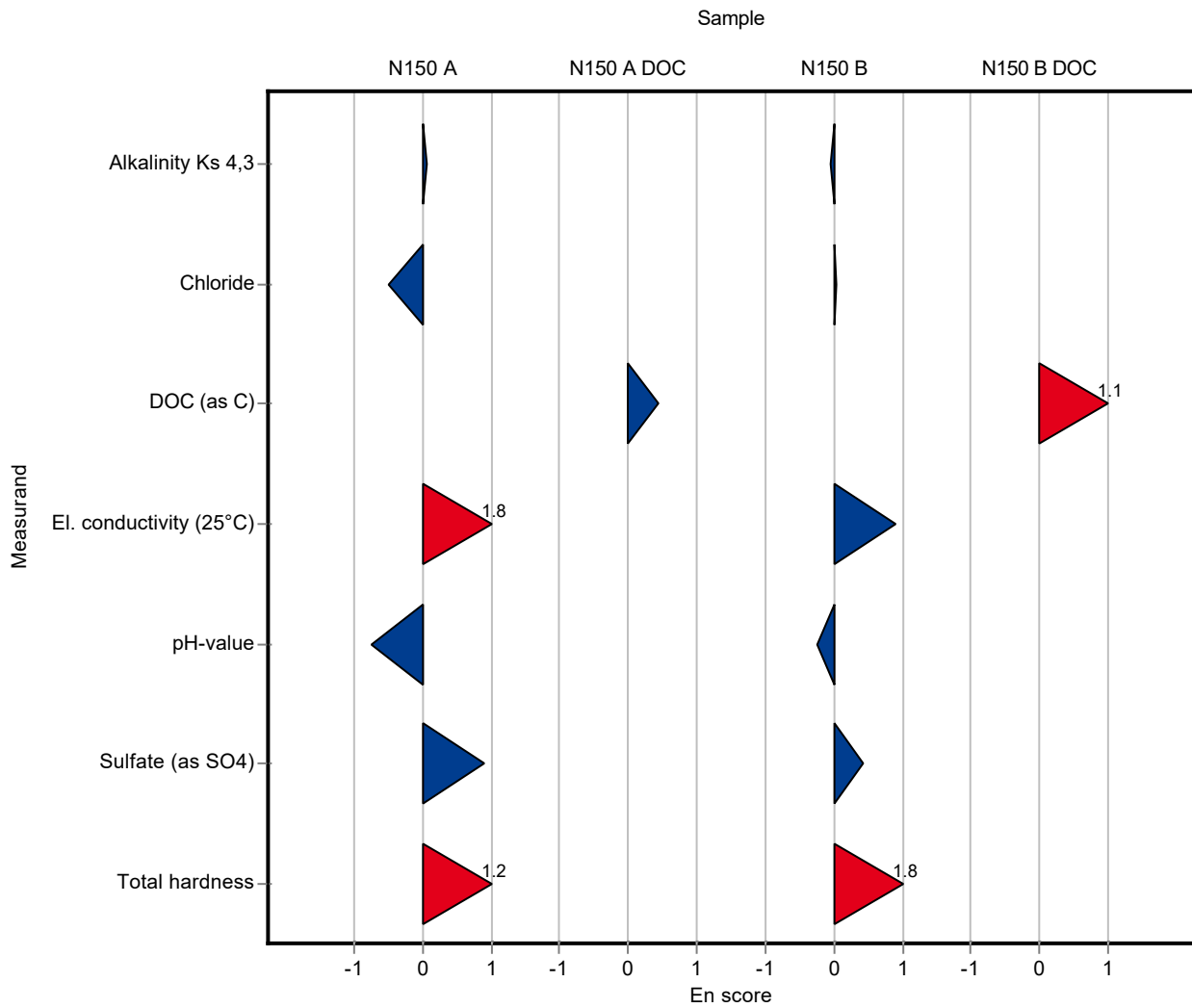
Sample: N150B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	2.74 ± 0.0137	2.73 ± 0.05	0.0547	99.8	-0.05
Ammonium (as NH ₄)	mg/l	0.321 ± 0.00634	- ± -	0.0385	-	-
Boron	mg/l	0.00948 ± 0.00044	- ± -	0.00104	-	-
Calcium	mg/l	48.2 ± 0.463	- ± -	1.5	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Chloride	mg/l	11.5 ± 0.13	11.5 ± 0.25	0.459	100	0.05
El. conductivity (25°C)	µS/cm	350 ± 1.44	356 ± 3	4.56	102	0.90
Hydrogen carbonate	mg/l	165 ± 1.09	- ± -	3.3	-	-
Magnesium	mg/l	10.9 ± 0.149	- ± -	0.435	-	-
Nitrate (as NO ₃)	mg/l	12 ± 0.174	- ± -	0.601	-	-
Nitrite (as NO ₂)	mg/l	0.221 ± 0.00316	- ± -	0.0117	-	-
Orthophosphate (as PO ₄)	mg/l	0.166 ± 0.00363	- ± -	0.0149	-	-
pH-value	-	7.74 ± 0.033	7.71 ± 0.05	0.155	99.7	-0.24
Potassium	mg/l	1.24 ± 0.0282	- ± -	0.0644	-	-
Sodium	mg/l	6.39 ± 0.087	- ± -	0.217	-	-
Sulfate (as SO ₄)	mg/l	18.3 ± 0.193	19 ± 0.84	0.603	104	0.43
Total-P (as PO ₄)	mg/l	0.7 ± 0.0182	- ± -	0.0525	-	-
Total hardness	mmol/l	1.68 ± 0.022	1.77 ± 0.023	0.0504	105	1.77
Total nitrogen	mg/l	3.1 ± 0.101	- ± -	0.258	-	-

Sample: N150BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	2.45 ± 0.0593	2.98 ± 0.25	0.245	122	1.06



Sample: N150A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	4.1 ± 0.0162	4.1 ± 0.2	0.0821	99.9	-0.05
Ammonium (as NH ₄)	mg/l	0.0588 ± 0.0023	0.07 ± 0.02	0.00706	119	1.59
Boron	mg/l	0.0209 ± 0.000944	0.018 ± 0.004	0.0023	85.9	-1.28
Calcium	mg/l	71.6 ± 0.691	74.3 ± 8	2.22	104	1.20
Chloride	mg/l	31 ± 0.209	31 ± 4	1.24	100	0.00
El. conductivity (25°C)	µS/cm	545 ± 2.62	512 ± 25	7.09	93.9	-4.67
Hydrogen carbonate	mg/l	249 ± 1.82	247 ± 13	4.99	99	-0.48
Magnesium	mg/l	16.2 ± 0.207	15.3 ± 2	0.648	94.4	-1.39
Nitrate (as NO ₃)	mg/l	7.06 ± 0.16	6.9 ± 1	0.353	97.8	-0.45
Nitrite (as NO ₂)	mg/l	0.202 ± 0.00286	0.156 ± 0.02	0.0107	77.4	-4.27
Orthophosphate (as PO ₄)	mg/l	0.137 ± 0.00441	<0.1 (LOQ) ± -	0.0123	-	-
pH-value	-	7.77 ± 0.027	7.8 ± 0.1	0.155	100	0.21
Potassium	mg/l	2.28 ± 0.0331	2.27 ± 0.3	0.118	99.7	-0.06
Sodium	mg/l	17.7 ± 0.216	17.7 ± 2	0.602	99.9	-0.02
Sulfate (as SO ₄)	mg/l	31.2 ± 0.278	31 ± 4	1.03	99.4	-0.19
Total-P (as PO ₄)	mg/l	1.48 ± 0.0285	1.55 ± 0.2	0.111	104	0.59
Total hardness	mmol/l	2.48 ± 0.0362	2.53 ± 0.3	0.0745	102	0.62
Total nitrogen	mg/l	1.76 ± 0.0577	1.64 ± 0.2	0.146	93.1	-0.83

Sample: N150ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.85 ± 0.0645	1.97 ± 0.2	0.185	106	0.64

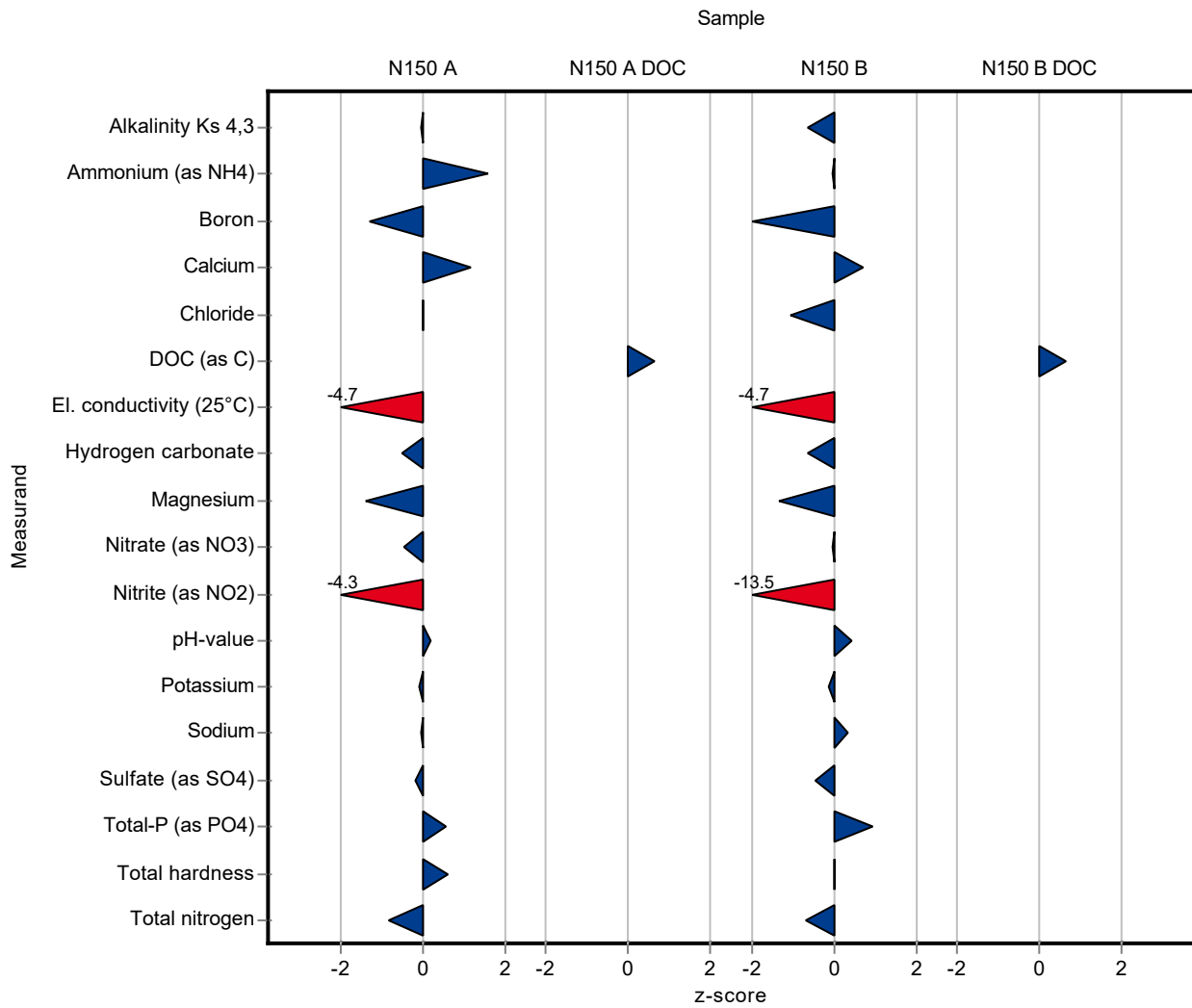
Sample: N150B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	2.74 ± 0.0137	2.7 ± 0.2	0.0547	98.7	-0.64
Ammonium (as NH ₄)	mg/l	0.321 ± 0.00634	0.32 ± 0.04	0.0385	99.8	-0.02
Boron	mg/l	0.00948 ± 0.00044	0.0074 ± 0.002	0.00104	78	-2.00
Calcium	mg/l	48.2 ± 0.463	49.3 ± 5	1.5	102	0.71

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Chloride	mg/l	11.5 ± 0.13	11 ± 2	0.459	95.9	-1.04
El. conductivity (25°C)	µS/cm	350 ± 1.44	329 ± 17	4.56	93.9	-4.71
Hydrogen carbonate	mg/l	165 ± 1.09	163 ± 8	3.3	98.8	-0.62
Magnesium	mg/l	10.9 ± 0.149	10.3 ± 1	0.435	94.6	-1.34
Nitrate (as NO ₃)	mg/l	12 ± 0.174	12 ± 1	0.601	99.8	-0.03
Nitrite (as NO ₂)	mg/l	0.221 ± 0.00316	0.063 ± 0.07	0.0117	28.5	-13.50
Orthophosphate (as PO ₄)	mg/l	0.166 ± 0.00363	<0.1 (LOQ) ± -	0.0149	-	-
pH-value	-	7.74 ± 0.033	7.8 ± 0.04	0.155	101	0.42
Potassium	mg/l	1.24 ± 0.0282	1.23 ± 0.2	0.0644	99.3	-0.14
Sodium	mg/l	6.39 ± 0.087	6.47 ± 0.7	0.217	101	0.36
Sulfate (as SO ₄)	mg/l	18.3 ± 0.193	18 ± 2	0.603	98.5	-0.46
Total-P (as PO ₄)	mg/l	0.7 ± 0.0182	0.75 ± 0.08	0.0525	107	0.95
Total hardness	mmol/l	1.68 ± 0.022	1.68 ± 0.2	0.0504	100	0.00
Total nitrogen	mg/l	3.1 ± 0.101	2.93 ± 0.3	0.258	94.4	-0.67

Sample: N150BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.45 ± 0.0593	2.6 ± 0.3	0.245	106	0.63



Sample: N150A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	4.1 ± 0.0162	4.1 ± 0.2	0.0821	99.9	-0.01
Ammonium (as NH ₄)	mg/l	0.0588 ± 0.0023	0.07 ± 0.02	0.00706	119	0.28
Boron	mg/l	0.0209 ± 0.000944	0.018 ± 0.004	0.0023	85.9	-0.37
Calcium	mg/l	71.6 ± 0.691	74.3 ± 8	2.22	104	0.17
Chloride	mg/l	31 ± 0.209	31 ± 4	1.24	100	0.00
El. conductivity (25°C)	µS/cm	545 ± 2.62	512 ± 25	7.09	93.9	-0.66
Hydrogen carbonate	mg/l	249 ± 1.82	247 ± 13	4.99	99	-0.09
Magnesium	mg/l	16.2 ± 0.207	15.3 ± 2	0.648	94.4	-0.23
Nitrate (as NO ₃)	mg/l	7.06 ± 0.16	6.9 ± 1	0.353	97.8	-0.08
Nitrite (as NO ₂)	mg/l	0.202 ± 0.00286	0.156 ± 0.02	0.0107	77.4	-1.14
Orthophosphate (as PO ₄)	mg/l	0.137 ± 0.00441	<0.1 (LOQ) ± -	0.0123	-	-
pH-value	-	7.77 ± 0.027	7.8 ± 0.1	0.155	100	0.16
Potassium	mg/l	2.28 ± 0.0331	2.27 ± 0.3	0.118	99.7	-0.01
Sodium	mg/l	17.7 ± 0.216	17.7 ± 2	0.602	99.9	0.00
Sulfate (as SO ₄)	mg/l	31.2 ± 0.278	31 ± 4	1.03	99.4	-0.02
Total-P (as PO ₄)	mg/l	1.48 ± 0.0285	1.55 ± 0.2	0.111	104	0.17
Total hardness	mmol/l	2.48 ± 0.0362	2.53 ± 0.3	0.0745	102	0.08
Total nitrogen	mg/l	1.76 ± 0.0577	1.64 ± 0.2	0.146	93.1	-0.30

Sample: N150ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.85 ± 0.0645	1.97 ± 0.2	0.185	106	0.29

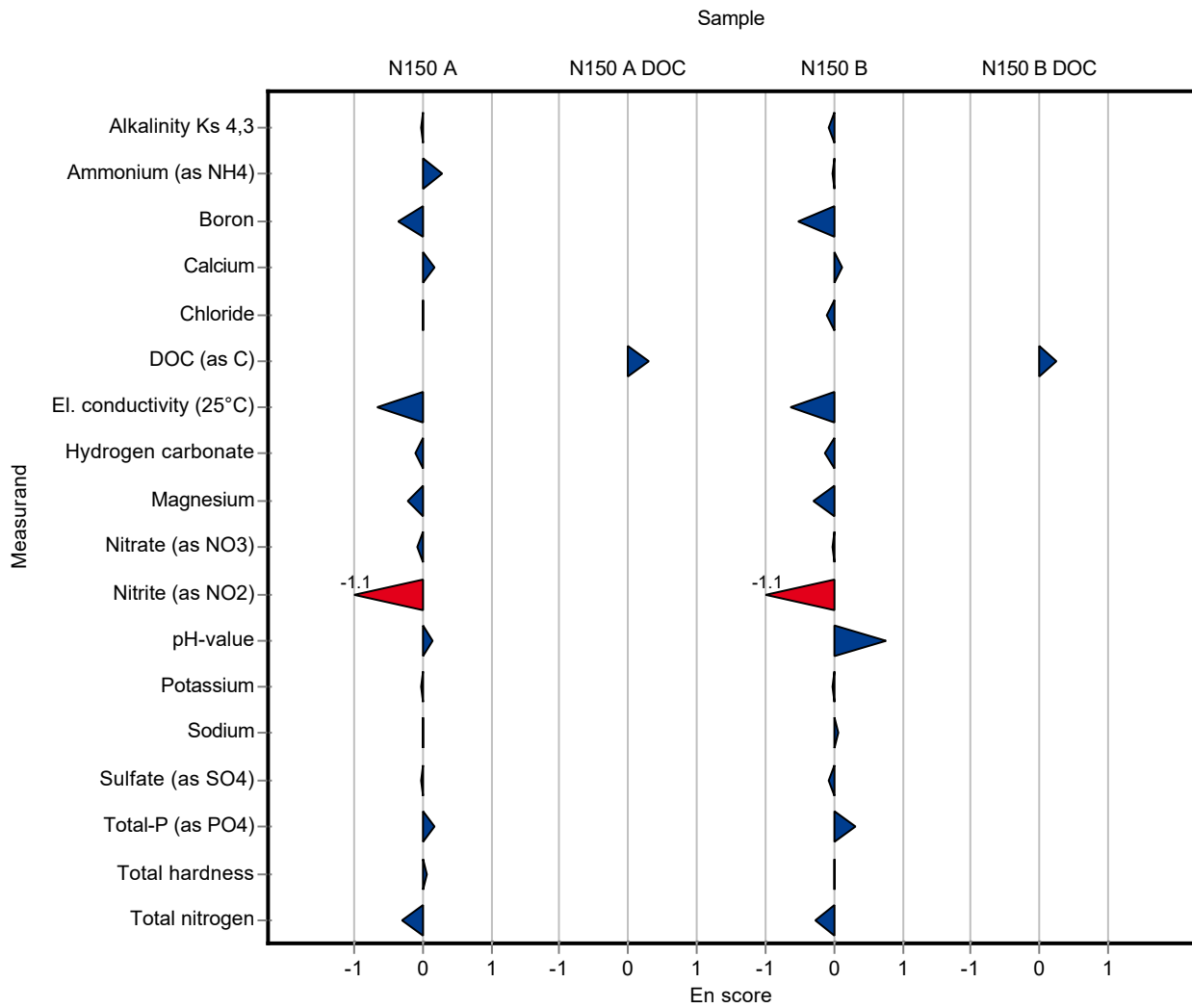
Sample: N150B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	2.74 ± 0.0137	2.7 ± 0.2	0.0547	98.7	-0.09
Ammonium (as NH ₄)	mg/l	0.321 ± 0.00634	0.32 ± 0.04	0.0385	99.8	-0.01
Boron	mg/l	0.00948 ± 0.00044	0.0074 ± 0.002	0.00104	78	-0.52
Calcium	mg/l	48.2 ± 0.463	49.3 ± 5	1.5	102	0.11

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Chloride	mg/l	11.5 ± 0.13	11 ± 2	0.459	95.9	-0.12
El. conductivity (25°C)	µS/cm	350 ± 1.44	329 ± 17	4.56	93.9	-0.63
Hydrogen carbonate	mg/l	165 ± 1.09	163 ± 8	3.3	98.8	-0.13
Magnesium	mg/l	10.9 ± 0.149	10.3 ± 1	0.435	94.6	-0.29
Nitrate (as NO ₃)	mg/l	12 ± 0.174	12 ± 1	0.601	99.8	-0.01
Nitrite (as NO ₂)	mg/l	0.221 ± 0.00316	0.063 ± 0.07	0.0117	28.5	-1.13
Orthophosphate (as PO ₄)	mg/l	0.166 ± 0.00363	<0.1 (LOQ) ± -	0.0149	-	-
pH-value	-	7.74 ± 0.033	7.8 ± 0.04	0.155	101	0.75
Potassium	mg/l	1.24 ± 0.0282	1.23 ± 0.2	0.0644	99.3	-0.02
Sodium	mg/l	6.39 ± 0.087	6.47 ± 0.7	0.217	101	0.06
Sulfate (as SO ₄)	mg/l	18.3 ± 0.193	18 ± 2	0.603	98.5	-0.07
Total-P (as PO ₄)	mg/l	0.7 ± 0.0182	0.75 ± 0.08	0.0525	107	0.31
Total hardness	mmol/l	1.68 ± 0.022	1.68 ± 0.2	0.0504	100	0.00
Total nitrogen	mg/l	3.1 ± 0.101	2.93 ± 0.3	0.258	94.4	-0.28

Sample: N150BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	2.45 ± 0.0593	2.6 ± 0.3	0.245	106	0.26



Sample: N150A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	4.1 ± 0.0162	4.05 ± 0.4	0.0821	98.7	-0.66
Ammonium (as NH ₄)	mg/l	0.0588 ± 0.0023	0.067 ± 0.007	0.00706	114	1.16
Boron	mg/l	0.0209 ± 0.000944	0.019 ± 0.002	0.0023	90.7	-0.84
Calcium	mg/l	71.6 ± 0.691	71.4 ± 7.1	2.22	99.7	-0.10
Chloride	mg/l	31 ± 0.209	31.1 ± 3.1	1.24	100	0.08
El. conductivity (25°C)	µS/cm	545 ± 2.62	554 ± 55	7.09	102	1.25
Hydrogen carbonate	mg/l	249 ± 1.82	247 ± 25	4.99	99	-0.48
Magnesium	mg/l	16.2 ± 0.207	16.4 ± 1.6	0.648	101	0.31
Nitrate (as NO ₃)	mg/l	7.06 ± 0.16	7.03 ± 0.7	0.353	99.6	-0.08
Nitrite (as NO ₂)	mg/l	0.202 ± 0.00286	0.199 ± 0.02	0.0107	98.7	-0.25
Orthophosphate (as PO ₄)	mg/l	0.137 ± 0.00441	0.13 ± 0.013	0.0123	95.1	-0.54
pH-value	-	7.77 ± 0.027	7.6 ± 0.2	0.155	97.8	-1.08
Potassium	mg/l	2.28 ± 0.0331	2.26 ± 0.23	0.118	99.2	-0.15
Sodium	mg/l	17.7 ± 0.216	17.8 ± 1.8	0.602	101	0.15
Sulfate (as SO ₄)	mg/l	31.2 ± 0.278	30.9 ± 3.1	1.03	99	-0.29
Total-P (as PO ₄)	mg/l	1.48 ± 0.0285	1.5 ± 0.15	0.111	101	0.14
Total hardness	mmol/l	2.48 ± 0.0362	2.45 ± 0.25	0.0745	98.6	-0.46
Total nitrogen	mg/l	1.76 ± 0.0577	1.9 ± 0.2	0.146	108	0.95

Sample: N150ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.85 ± 0.0645	2.1 ± 0.2	0.185	113	1.34

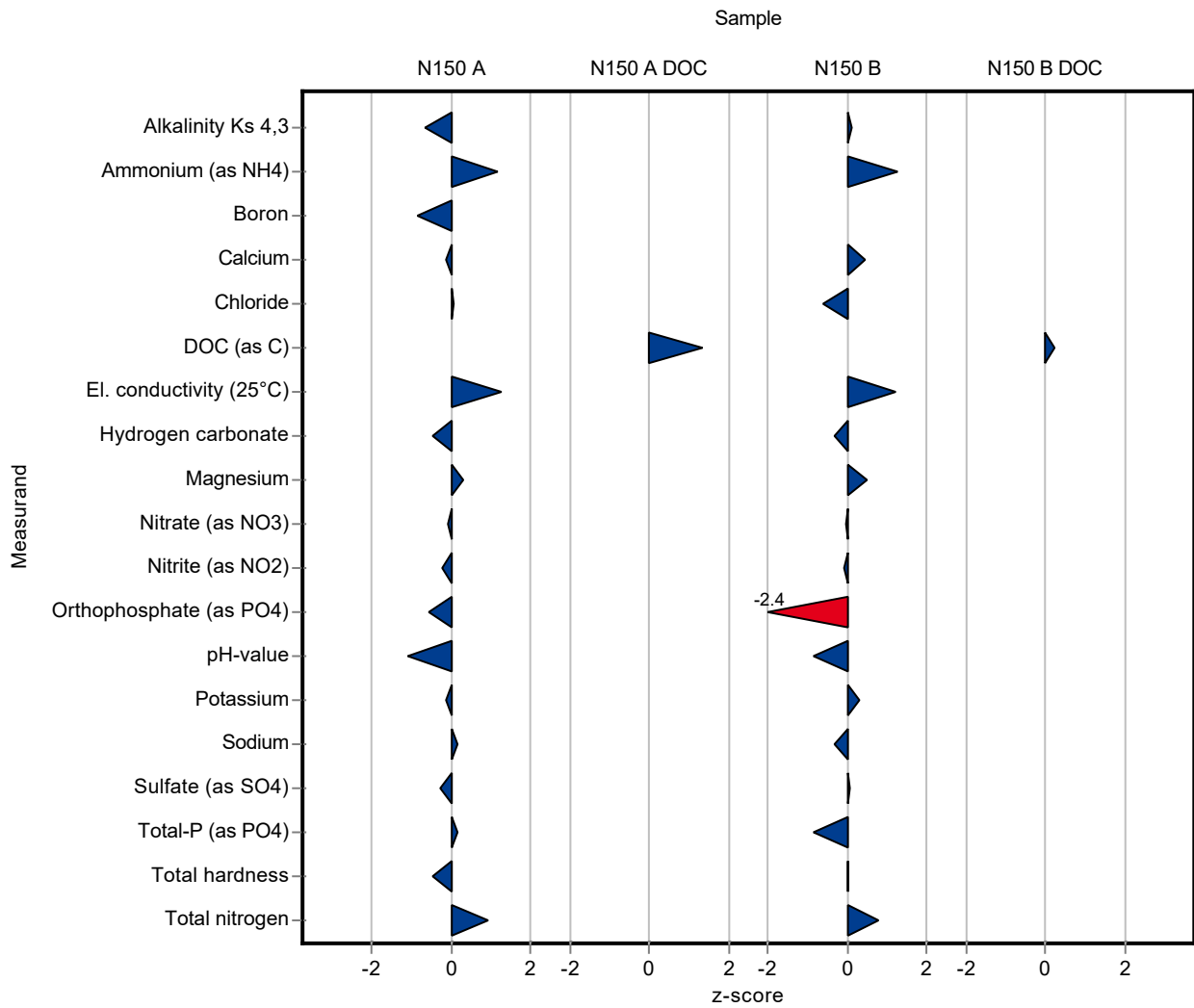
Sample: N150B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	2.74 ± 0.0137	2.74 ± 0.27	0.0547	100	0.09
Ammonium (as NH ₄)	mg/l	0.321 ± 0.00634	0.37 ± 0.04	0.0385	115	1.28
Boron	mg/l	0.00948 ± 0.00044	<0.02 (LOQ) ± -	0.00104	-	-
Calcium	mg/l	48.2 ± 0.463	48.9 ± 4.9	1.5	101	0.45

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Chloride	mg/l	11.5 ± 0.13	11.2 ± 1.1	0.459	97.6	-0.60
El. conductivity (25°C)	µS/cm	350 ± 1.44	356 ± 36	4.56	102	1.22
Hydrogen carbonate	mg/l	165 ± 1.09	164 ± 16	3.3	99.4	-0.32
Magnesium	mg/l	10.9 ± 0.149	11.1 ± 1.1	0.435	102	0.50
Nitrate (as NO ₃)	mg/l	12 ± 0.174	12 ± 1.2	0.601	99.8	-0.03
Nitrite (as NO ₂)	mg/l	0.221 ± 0.00316	0.22 ± 0.022	0.0117	99.6	-0.08
Orthophosphate (as PO ₄)	mg/l	0.166 ± 0.00363	0.13 ± 0.013	0.0149	78.3	-2.41
pH-value	-	7.74 ± 0.033	7.6 ± 0.2	0.155	98.3	-0.87
Potassium	mg/l	1.24 ± 0.0282	1.26 ± 0.13	0.0644	102	0.32
Sodium	mg/l	6.39 ± 0.087	6.32 ± 0.63	0.217	98.9	-0.33
Sulfate (as SO ₄)	mg/l	18.3 ± 0.193	18.3 ± 1.8	0.603	100	0.04
Total-P (as PO ₄)	mg/l	0.7 ± 0.0182	0.656 ± 0.066	0.0525	93.7	-0.84
Total hardness	mmol/l	1.68 ± 0.022	1.68 ± 0.17	0.0504	100	0.00
Total nitrogen	mg/l	3.1 ± 0.101	3.3 ± 0.3	0.258	106	0.76

Sample: N150BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.45 ± 0.0593	2.5 ± 0.3	0.245	102	0.22



Sample: N150A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	4.1 ± 0.0162	4.05 ± 0.4	0.0821	98.7	-0.07
Ammonium (as NH ₄)	mg/l	0.0588 ± 0.0023	0.067 ± 0.007	0.00706	114	0.58
Boron	mg/l	0.0209 ± 0.000944	0.019 ± 0.002	0.0023	90.7	-0.47
Calcium	mg/l	71.6 ± 0.691	71.4 ± 7.1	2.22	99.7	-0.02
Chloride	mg/l	31 ± 0.209	31.1 ± 3.1	1.24	100	0.02
El. conductivity (25°C)	µS/cm	545 ± 2.62	554 ± 55	7.09	102	0.08
Hydrogen carbonate	mg/l	249 ± 1.82	247 ± 25	4.99	99	-0.05
Magnesium	mg/l	16.2 ± 0.207	16.4 ± 1.6	0.648	101	0.06
Nitrate (as NO ₃)	mg/l	7.06 ± 0.16	7.03 ± 0.7	0.353	99.6	-0.02
Nitrite (as NO ₂)	mg/l	0.202 ± 0.00286	0.199 ± 0.02	0.0107	98.7	-0.07
Orthophosphate (as PO ₄)	mg/l	0.137 ± 0.00441	0.13 ± 0.013	0.0123	95.1	-0.25
pH-value	-	7.77 ± 0.027	7.6 ± 0.2	0.155	97.8	-0.42
Potassium	mg/l	2.28 ± 0.0331	2.26 ± 0.23	0.118	99.2	-0.04
Sodium	mg/l	17.7 ± 0.216	17.8 ± 1.8	0.602	101	0.02
Sulfate (as SO ₄)	mg/l	31.2 ± 0.278	30.9 ± 3.1	1.03	99	-0.05
Total-P (as PO ₄)	mg/l	1.48 ± 0.0285	1.5 ± 0.15	0.111	101	0.05
Total hardness	mmol/l	2.48 ± 0.0362	2.45 ± 0.25	0.0745	98.6	-0.07
Total nitrogen	mg/l	1.76 ± 0.0577	1.9 ± 0.2	0.146	108	0.34

Sample: N150ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.85 ± 0.0645	2.1 ± 0.2	0.185	113	0.61

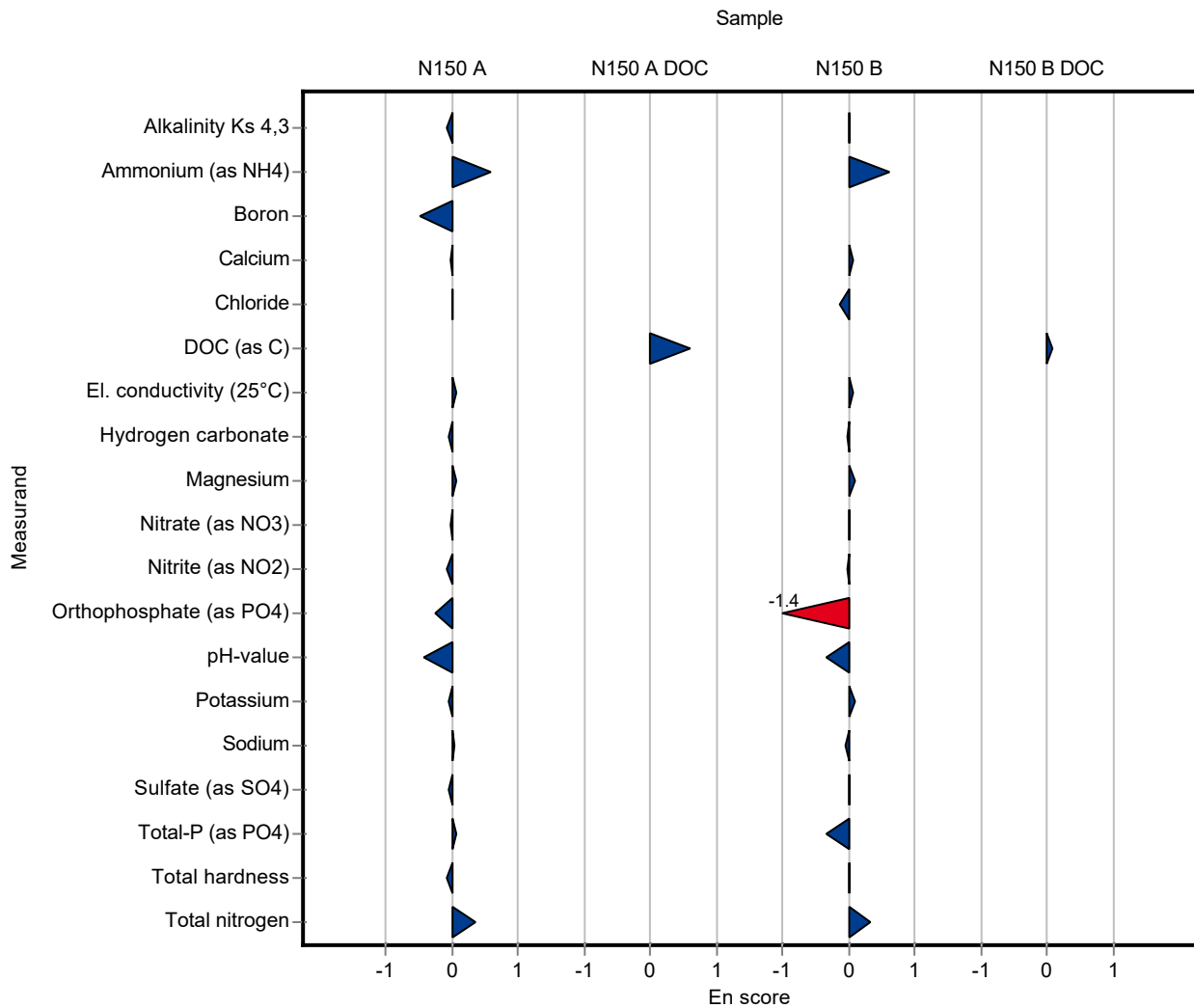
Sample: N150B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	2.74 ± 0.0137	2.74 ± 0.27	0.0547	100	0.01
Ammonium (as NH ₄)	mg/l	0.321 ± 0.00634	0.37 ± 0.04	0.0385	115	0.61
Boron	mg/l	0.00948 ± 0.00044	<0.02 (LOQ) ± -	0.00104	-	-
Calcium	mg/l	48.2 ± 0.463	48.9 ± 4.9	1.5	101	0.07

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Chloride	mg/l	11.5 ± 0.13	11.2 ± 1.1	0.459	97.6	-0.13
El. conductivity (25°C)	µS/cm	350 ± 1.44	356 ± 36	4.56	102	0.08
Hydrogen carbonate	mg/l	165 ± 1.09	164 ± 16	3.3	99.4	-0.03
Magnesium	mg/l	10.9 ± 0.149	11.1 ± 1.1	0.435	102	0.10
Nitrate (as NO ₃)	mg/l	12 ± 0.174	12 ± 1.2	0.601	99.8	-0.01
Nitrite (as NO ₂)	mg/l	0.221 ± 0.00316	0.22 ± 0.022	0.0117	99.6	-0.02
Orthophosphate (as PO ₄)	mg/l	0.166 ± 0.00363	0.13 ± 0.013	0.0149	78.3	-1.37
pH-value	-	7.74 ± 0.033	7.6 ± 0.2	0.155	98.3	-0.34
Potassium	mg/l	1.24 ± 0.0282	1.26 ± 0.13	0.0644	102	0.08
Sodium	mg/l	6.39 ± 0.087	6.32 ± 0.63	0.217	98.9	-0.06
Sulfate (as SO ₄)	mg/l	18.3 ± 0.193	18.3 ± 1.8	0.603	100	0.01
Total-P (as PO ₄)	mg/l	0.7 ± 0.0182	0.656 ± 0.066	0.0525	93.7	-0.33
Total hardness	mmol/l	1.68 ± 0.022	1.68 ± 0.17	0.0504	100	0.00
Total nitrogen	mg/l	3.1 ± 0.101	3.3 ± 0.3	0.258	106	0.32

Sample: N150BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	2.45 ± 0.0593	2.5 ± 0.3	0.245	102	0.09



Sample: N150A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	4.1 ± 0.0162	4.135 ± 0.128	0.0821	101	0.37
Ammonium (as NH ₄)	mg/l	0.0588 ± 0.0023	0.056 ± 0.009	0.00706	95.3	-0.39
Boron	mg/l	0.0209 ± 0.000944	- ± -	0.0023	-	-
Calcium	mg/l	71.6 ± 0.691	- ± -	2.22	-	-
Chloride	mg/l	31 ± 0.209	- ± -	1.24	-	-
El. conductivity (25°C)	µS/cm	545 ± 2.62	552 ± 11	7.09	101	0.97
Hydrogen carbonate	mg/l	249 ± 1.82	- ± -	4.99	-	-
Magnesium	mg/l	16.2 ± 0.207	- ± -	0.648	-	-
Nitrate (as NO ₃)	mg/l	7.06 ± 0.16	6.01 ± 0.6	0.353	85.2	-2.97
Nitrite (as NO ₂)	mg/l	0.202 ± 0.00286	0.2 ± 0.012	0.0107	99.2	-0.15
Orthophosphate (as PO ₄)	mg/l	0.137 ± 0.00441	0.177 ± 0.01	0.0123	130	3.28
pH-value	-	7.77 ± 0.027	7.77 ± 0.03	0.155	100	0.02
Potassium	mg/l	2.28 ± 0.0331	- ± -	0.118	-	-
Sodium	mg/l	17.7 ± 0.216	- ± -	0.602	-	-
Sulfate (as SO ₄)	mg/l	31.2 ± 0.278	- ± -	1.03	-	-
Total-P (as PO ₄)	mg/l	1.48 ± 0.0285	1.488 ± 0.164	0.111	100	0.04
Total hardness	mmol/l	2.48 ± 0.0362	- ± -	0.0745	-	-
Total nitrogen	mg/l	1.76 ± 0.0577	- ± -	0.146	-	-

Sample: N150ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.85 ± 0.0645	1.45 ± 0.08	0.185	78.3	-2.17

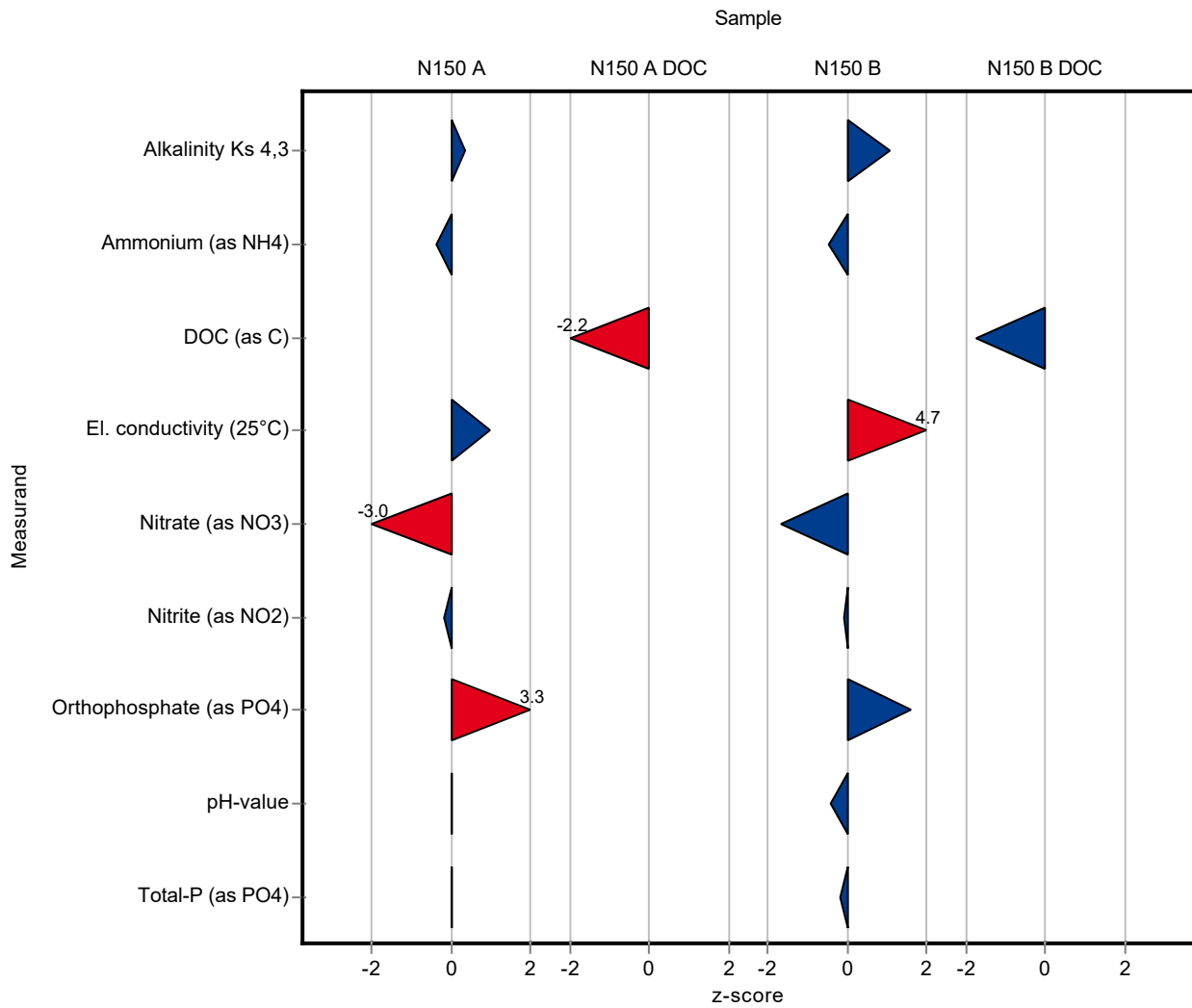
Sample: N150B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	2.74 ± 0.0137	2.795 ± 0.087	0.0547	102	1.10
Ammonium (as NH ₄)	mg/l	0.321 ± 0.00634	0.303 ± 0.024	0.0385	94.5	-0.46
Boron	mg/l	0.00948 ± 0.00044	- ± -	0.00104	-	-
Calcium	mg/l	48.2 ± 0.463	- ± -	1.5	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Chloride	mg/l	11.5 ± 0.13	- ± -	0.459	-	-
El. conductivity (25°C)	µS/cm	350 ± 1.44	372 ± 7	4.56	106	4.73
Hydrogen carbonate	mg/l	165 ± 1.09	- ± -	3.3	-	-
Magnesium	mg/l	10.9 ± 0.149	- ± -	0.435	-	-
Nitrate (as NO ₃)	mg/l	12 ± 0.174	11.02 ± 1.1	0.601	91.7	-1.66
Nitrite (as NO ₂)	mg/l	0.221 ± 0.00316	0.22 ± 0.014	0.0117	99.6	-0.08
Orthophosphate (as PO ₄)	mg/l	0.166 ± 0.00363	0.19 ± 0.011	0.0149	114	1.61
pH-value	-	7.74 ± 0.033	7.67 ± 0.04	0.155	99.2	-0.42
Potassium	mg/l	1.24 ± 0.0282	- ± -	0.0644	-	-
Sodium	mg/l	6.39 ± 0.087	- ± -	0.217	-	-
Sulfate (as SO ₄)	mg/l	18.3 ± 0.193	- ± -	0.603	-	-
Total-P (as PO ₄)	mg/l	0.7 ± 0.0182	0.69 ± 0.076	0.0525	98.6	-0.19
Total hardness	mmol/l	1.68 ± 0.022	- ± -	0.0504	-	-
Total nitrogen	mg/l	3.1 ± 0.101	- ± -	0.258	-	-

Sample: N150BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.45 ± 0.0593	2.02 ± 0.11	0.245	82.6	-1.74



Sample: N150A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	4.1 ± 0.0162	4.135 ± 0.128	0.0821	101	0.12
Ammonium (as NH ₄)	mg/l	0.0588 ± 0.0023	0.056 ± 0.009	0.00706	95.3	-0.15
Boron	mg/l	0.0209 ± 0.000944	- ± -	0.0023	-	-
Calcium	mg/l	71.6 ± 0.691	- ± -	2.22	-	-
Chloride	mg/l	31 ± 0.209	- ± -	1.24	-	-
El. conductivity (25°C)	µS/cm	545 ± 2.62	552 ± 11	7.09	101	0.31
Hydrogen carbonate	mg/l	249 ± 1.82	- ± -	4.99	-	-
Magnesium	mg/l	16.2 ± 0.207	- ± -	0.648	-	-
Nitrate (as NO ₃)	mg/l	7.06 ± 0.16	6.01 ± 0.6	0.353	85.2	-0.86
Nitrite (as NO ₂)	mg/l	0.202 ± 0.00286	0.2 ± 0.012	0.0107	99.2	-0.07
Orthophosphate (as PO ₄)	mg/l	0.137 ± 0.00441	0.177 ± 0.01	0.0123	130	1.97
pH-value	-	7.77 ± 0.027	7.77 ± 0.03	0.155	100	0.04
Potassium	mg/l	2.28 ± 0.0331	- ± -	0.118	-	-
Sodium	mg/l	17.7 ± 0.216	- ± -	0.602	-	-
Sulfate (as SO ₄)	mg/l	31.2 ± 0.278	- ± -	1.03	-	-
Total-P (as PO ₄)	mg/l	1.48 ± 0.0285	1.488 ± 0.164	0.111	100	0.01
Total hardness	mmol/l	2.48 ± 0.0362	- ± -	0.0745	-	-
Total nitrogen	mg/l	1.76 ± 0.0577	- ± -	0.146	-	-

Sample: N150ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.85 ± 0.0645	1.45 ± 0.08	0.185	78.3	-2.33

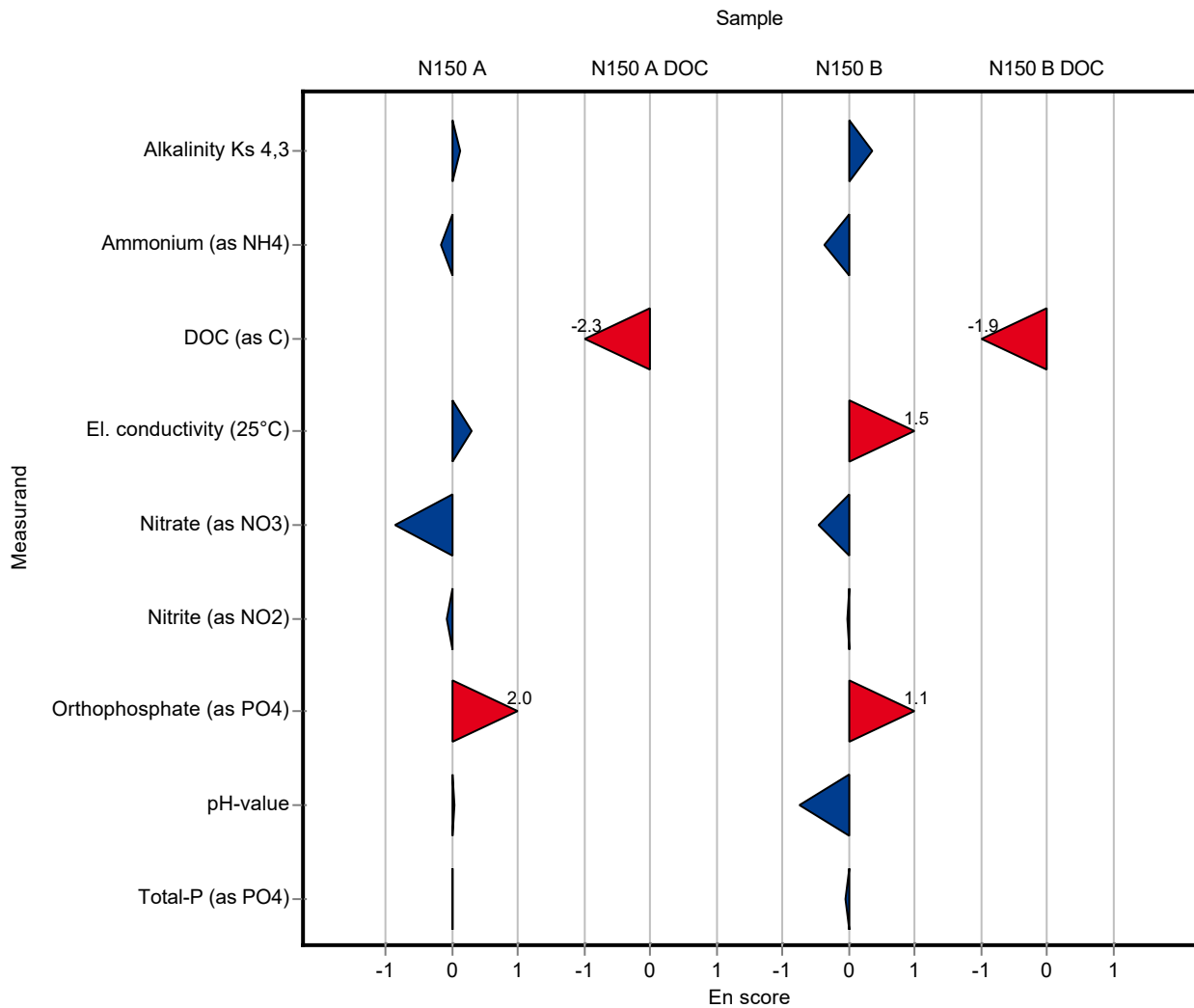
Sample: N150B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	2.74 ± 0.0137	2.795 ± 0.087	0.0547	102	0.34
Ammonium (as NH ₄)	mg/l	0.321 ± 0.00634	0.303 ± 0.024	0.0385	94.5	-0.37
Boron	mg/l	0.00948 ± 0.00044	- ± -	0.00104	-	-
Calcium	mg/l	48.2 ± 0.463	- ± -	1.5	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Chloride	mg/l	11.5 ± 0.13	- ± -	0.459	-	-
El. conductivity (25°C)	µS/cm	350 ± 1.44	372 ± 7	4.56	106	1.53
Hydrogen carbonate	mg/l	165 ± 1.09	- ± -	3.3	-	-
Magnesium	mg/l	10.9 ± 0.149	- ± -	0.435	-	-
Nitrate (as NO ₃)	mg/l	12 ± 0.174	11.02 ± 1.1	0.601	91.7	-0.45
Nitrite (as NO ₂)	mg/l	0.221 ± 0.00316	0.22 ± 0.014	0.0117	99.6	-0.03
Orthophosphate (as PO ₄)	mg/l	0.166 ± 0.00363	0.19 ± 0.011	0.0149	114	1.08
pH-value	-	7.74 ± 0.033	7.67 ± 0.04	0.155	99.2	-0.76
Potassium	mg/l	1.24 ± 0.0282	- ± -	0.0644	-	-
Sodium	mg/l	6.39 ± 0.087	- ± -	0.217	-	-
Sulfate (as SO ₄)	mg/l	18.3 ± 0.193	- ± -	0.603	-	-
Total-P (as PO ₄)	mg/l	0.7 ± 0.0182	0.69 ± 0.076	0.0525	98.6	-0.07
Total hardness	mmol/l	1.68 ± 0.022	- ± -	0.0504	-	-
Total nitrogen	mg/l	3.1 ± 0.101	- ± -	0.258	-	-

Sample: N150BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	2.45 ± 0.0593	2.02 ± 0.11	0.245	82.6	-1.87



Sample: N150A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	4.1 ± 0.0162	4.16 ± 0.04	0.0821	101	0.68
Ammonium (as NH ₄)	mg/l	0.0588 ± 0.0023	0.066 ± 0.007	0.00706	112	1.02
Boron	mg/l	0.0209 ± 0.000944	0.02 ± 0.006	0.0023	95.5	-0.41
Calcium	mg/l	71.6 ± 0.691	71.3 ± 0.6	2.22	99.5	-0.15
Chloride	mg/l	31 ± 0.209	30.7 ± 0.1	1.24	99	-0.25
El. conductivity (25°C)	µS/cm	545 ± 2.62	538 ± 2.8	7.09	98.7	-1.00
Hydrogen carbonate	mg/l	249 ± 1.82	250.8 ± 2.2	4.99	101	0.28
Magnesium	mg/l	16.2 ± 0.207	16.3 ± 0.3	0.648	101	0.15
Nitrate (as NO ₃)	mg/l	7.06 ± 0.16	7.29 ± 0.06	0.353	103	0.66
Nitrite (as NO ₂)	mg/l	0.202 ± 0.00286	0.239 ± 0.007	0.0107	119	3.50
Orthophosphate (as PO ₄)	mg/l	0.137 ± 0.00441	0.129 ± 0.006	0.0123	94.4	-0.62
pH-value	-	7.77 ± 0.027	7.87 ± 0.12	0.155	101	0.66
Potassium	mg/l	2.28 ± 0.0331	2.33 ± 0.05	0.118	102	0.44
Sodium	mg/l	17.7 ± 0.216	17.7 ± 0.1	0.602	99.9	-0.02
Sulfate (as SO ₄)	mg/l	31.2 ± 0.278	31.4 ± 0.2	1.03	101	0.20
Total-P (as PO ₄)	mg/l	1.48 ± 0.0285	1.85 ± 0.04	0.111	125	3.29
Total hardness	mmol/l	2.48 ± 0.0362	2.45 ± 0.02	0.0745	98.6	-0.46
Total nitrogen	mg/l	1.76 ± 0.0577	- ± -	0.146	-	-

Sample: N150ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.85 ± 0.0645	1.805 ± 0.028	0.185	97.5	-0.25

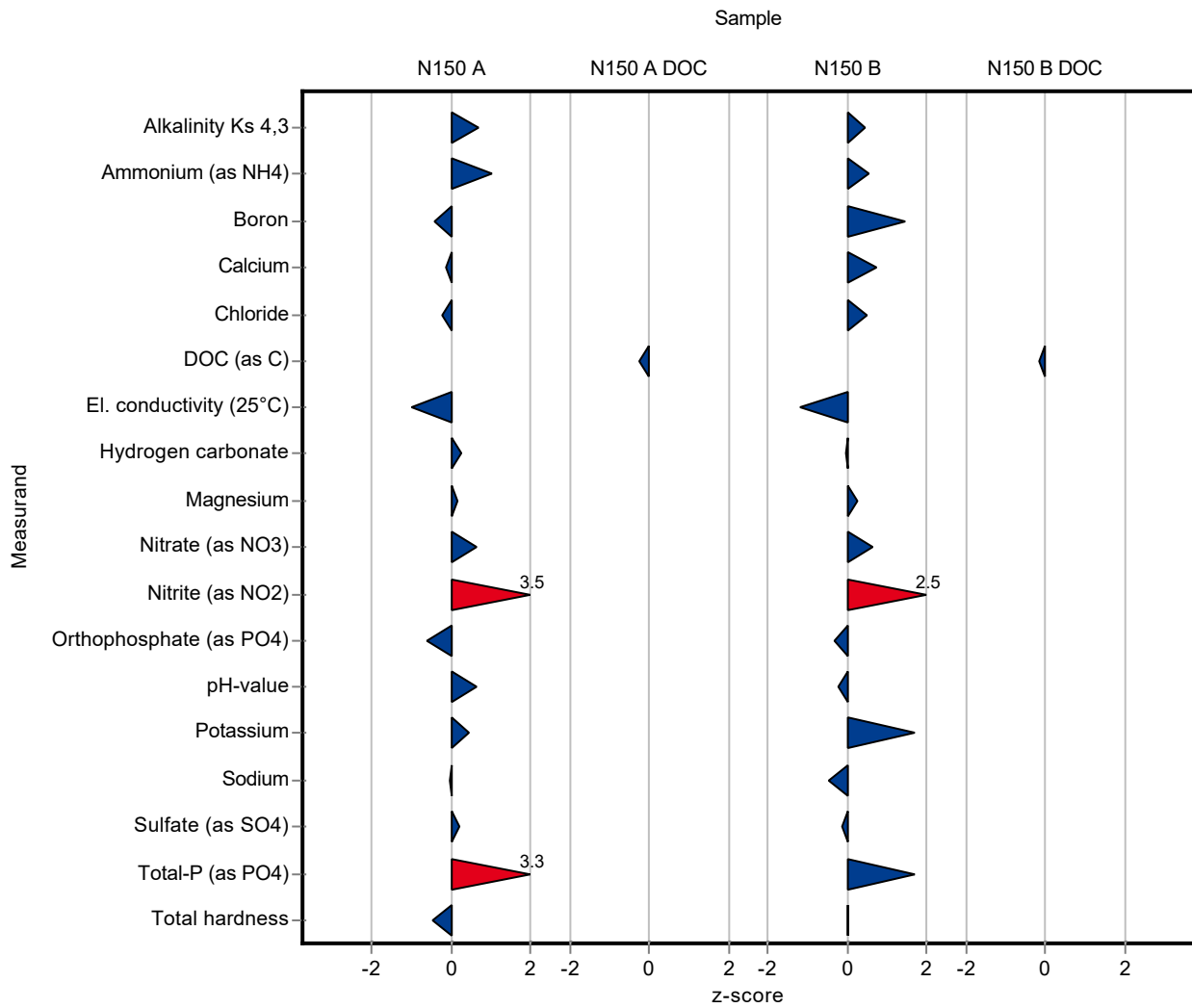
Sample: N150B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	2.74 ± 0.0137	2.76 ± 0.007	0.0547	101	0.46
Ammonium (as NH ₄)	mg/l	0.321 ± 0.00634	0.342 ± 0.023	0.0385	107	0.55
Boron	mg/l	0.00948 ± 0.00044	0.011 ± 0.02	0.00104	116	1.45
Calcium	mg/l	48.2 ± 0.463	49.3 ± 0.7	1.5	102	0.71

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Chloride	mg/l	11.5 ± 0.13	11.7 ± 0.16	0.459	102	0.49
El. conductivity (25°C)	µS/cm	350 ± 1.44	345 ± 0.96	4.56	98.4	-1.20
Hydrogen carbonate	mg/l	165 ± 1.09	165 ± 0.4	3.3	100	-0.01
Magnesium	mg/l	10.9 ± 0.149	11 ± 0.11	0.435	101	0.27
Nitrate (as NO ₃)	mg/l	12 ± 0.174	12.4 ± 0.1	0.601	103	0.64
Nitrite (as NO ₂)	mg/l	0.221 ± 0.00316	0.25 ± 0.005	0.0117	113	2.49
Orthophosphate (as PO ₄)	mg/l	0.166 ± 0.00363	0.161 ± 0.002	0.0149	97	-0.33
pH-value	-	7.74 ± 0.033	7.7 ± 0.1	0.155	99.5	-0.23
Potassium	mg/l	1.24 ± 0.0282	1.35 ± 0.02	0.0644	109	1.72
Sodium	mg/l	6.39 ± 0.087	6.29 ± 0.1	0.217	98.4	-0.47
Sulfate (as SO ₄)	mg/l	18.3 ± 0.193	18.2 ± 0.15	0.603	99.6	-0.13
Total-P (as PO ₄)	mg/l	0.7 ± 0.0182	0.79 ± 0.02	0.0525	113	1.71
Total hardness	mmol/l	1.68 ± 0.022	1.68 ± 0.02	0.0504	100	0.00
Total nitrogen	mg/l	3.1 ± 0.101	- ± -	0.258	-	-

Sample: N150BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.45 ± 0.0593	2.407 ± 0.03	0.245	98.4	-0.16



Sample: N150A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	4.1 ± 0.0162	4.16 ± 0.04	0.0821	101	0.68
Ammonium (as NH4)	mg/l	0.0588 ± 0.0023	0.066 ± 0.007	0.00706	112	0.51
Boron	mg/l	0.0209 ± 0.000944	0.02 ± 0.006	0.0023	95.5	-0.08
Calcium	mg/l	71.6 ± 0.691	71.3 ± 0.6	2.22	99.5	-0.24
Chloride	mg/l	31 ± 0.209	30.7 ± 0.1	1.24	99	-1.05
El. conductivity (25°C)	µS/cm	545 ± 2.62	538 ± 2.8	7.09	98.7	-1.15
Hydrogen carbonate	mg/l	249 ± 1.82	250.8 ± 2.2	4.99	101	0.29
Magnesium	mg/l	16.2 ± 0.207	16.3 ± 0.3	0.648	101	0.15
Nitrate (as NO3)	mg/l	7.06 ± 0.16	7.29 ± 0.06	0.353	103	1.16
Nitrite (as NO2)	mg/l	0.202 ± 0.00286	0.239 ± 0.007	0.0107	119	2.61
Orthophosphate (as PO4)	mg/l	0.137 ± 0.00441	0.129 ± 0.006	0.0123	94.4	-0.60
pH-value	-	7.77 ± 0.027	7.87 ± 0.12	0.155	101	0.43
Potassium	mg/l	2.28 ± 0.0331	2.33 ± 0.05	0.118	102	0.50
Sodium	mg/l	17.7 ± 0.216	17.7 ± 0.1	0.602	99.9	-0.04
Sulfate (as SO4)	mg/l	31.2 ± 0.278	31.4 ± 0.2	1.03	101	0.42
Total-P (as PO4)	mg/l	1.48 ± 0.0285	1.85 ± 0.04	0.111	125	4.31
Total hardness	mmol/l	2.48 ± 0.0362	2.45 ± 0.02	0.0745	98.6	-0.63
Total nitrogen	mg/l	1.76 ± 0.0577	- ± -	0.146	-	-

Sample: N150ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.85 ± 0.0645	1.805 ± 0.028	0.185	97.5	-0.54

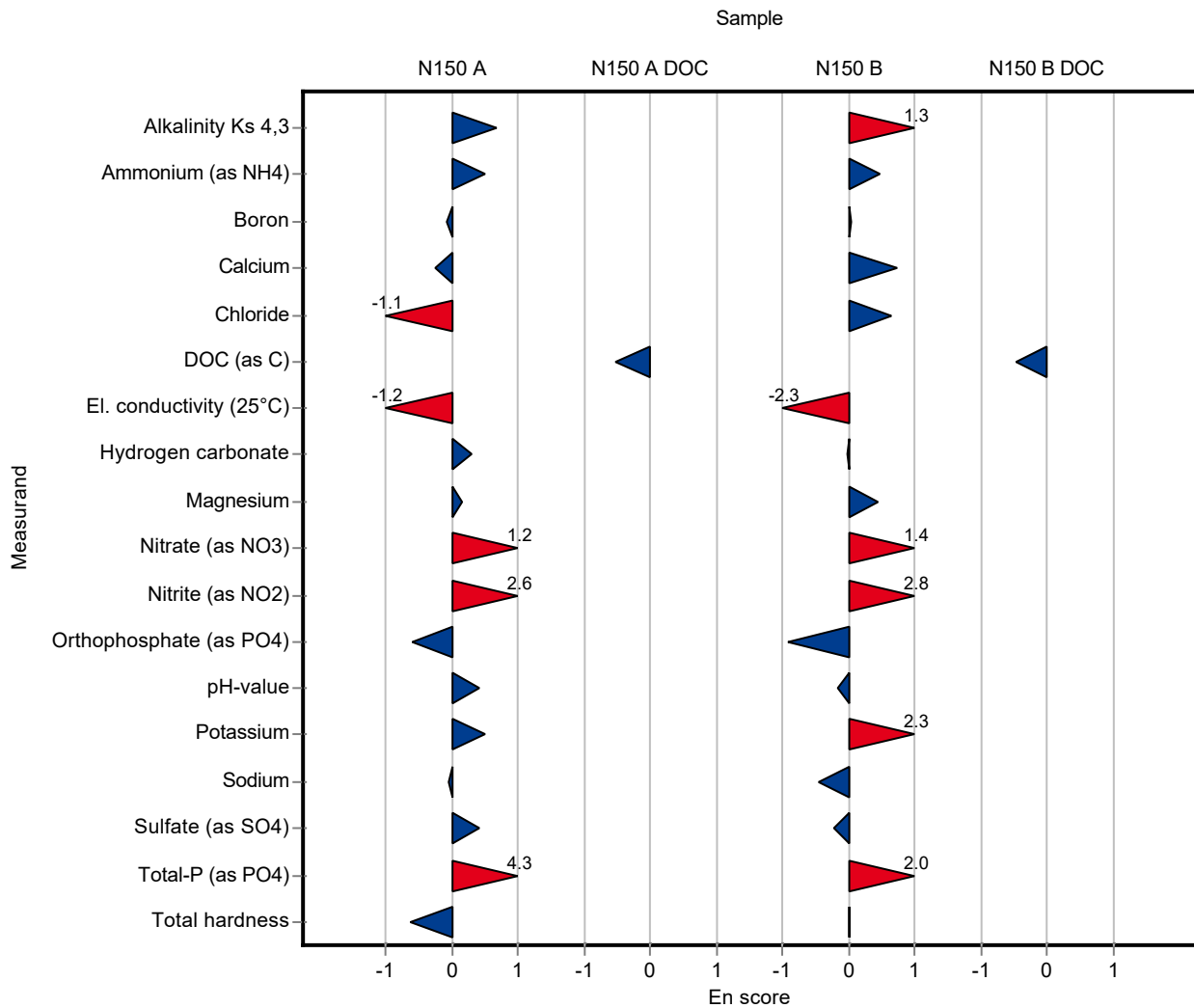
Sample: N150B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	2.74 ± 0.0137	2.76 ± 0.007	0.0547	101	1.27
Ammonium (as NH4)	mg/l	0.321 ± 0.00634	0.342 ± 0.023	0.0385	107	0.46
Boron	mg/l	0.00948 ± 0.00044	0.011 ± 0.02	0.00104	116	0.04
Calcium	mg/l	48.2 ± 0.463	49.3 ± 0.7	1.5	102	0.72

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Chloride	mg/l	11.5 ± 0.13	11.7 ± 0.16	0.459	102	0.65
El. conductivity (25°C)	µS/cm	350 ± 1.44	345 ± 0.96	4.56	98.4	-2.28
Hydrogen carbonate	mg/l	165 ± 1.09	165 ± 0.4	3.3	100	-0.04
Magnesium	mg/l	10.9 ± 0.149	11 ± 0.11	0.435	101	0.44
Nitrate (as NO ₃)	mg/l	12 ± 0.174	12.4 ± 0.1	0.601	103	1.44
Nitrite (as NO ₂)	mg/l	0.221 ± 0.00316	0.25 ± 0.005	0.0117	113	2.78
Orthophosphate (as PO ₄)	mg/l	0.166 ± 0.00363	0.161 ± 0.002	0.0149	97	-0.92
pH-value	-	7.74 ± 0.033	7.7 ± 0.1	0.155	99.5	-0.17
Potassium	mg/l	1.24 ± 0.0282	1.35 ± 0.02	0.0644	109	2.26
Sodium	mg/l	6.39 ± 0.087	6.29 ± 0.1	0.217	98.4	-0.47
Sulfate (as SO ₄)	mg/l	18.3 ± 0.193	18.2 ± 0.15	0.603	99.6	-0.22
Total-P (as PO ₄)	mg/l	0.7 ± 0.0182	0.79 ± 0.02	0.0525	113	2.05
Total hardness	mmol/l	1.68 ± 0.022	1.68 ± 0.02	0.0504	100	0.00
Total nitrogen	mg/l	3.1 ± 0.101	- ± -	0.258	-	-

Sample: N150BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	2.45 ± 0.0593	2.407 ± 0.03	0.245	98.4	-0.46



Sample: N150A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	4.1 ± 0.0162	4.1 ± 0.2	0.0821	99.9	-0.05
Ammonium (as NH ₄)	mg/l	0.0588 ± 0.0023	0.056 ± 0.009	0.00706	95.3	-0.39
Boron	mg/l	0.0209 ± 0.000944	- ± -	0.0023	-	-
Calcium	mg/l	71.6 ± 0.691	71.9 ± 6	2.22	100	0.12
Chloride	mg/l	31 ± 0.209	31.2 ± 2	1.24	101	0.16
El. conductivity (25°C)	µS/cm	545 ± 2.62	546 ± 22	7.09	100	0.13
Hydrogen carbonate	mg/l	249 ± 1.82	247 ± 8	4.99	99	-0.48
Magnesium	mg/l	16.2 ± 0.207	16.1 ± 2	0.648	99.4	-0.16
Nitrate (as NO ₃)	mg/l	7.06 ± 0.16	7.28 ± 0.6	0.353	103	0.63
Nitrite (as NO ₂)	mg/l	0.202 ± 0.00286	0.206 ± 0.02	0.0107	102	0.41
Orthophosphate (as PO ₄)	mg/l	0.137 ± 0.00441	0.144 ± 0.02	0.0123	105	0.60
pH-value	-	7.77 ± 0.027	7.81 ± 0.4	0.155	101	0.28
Potassium	mg/l	2.28 ± 0.0331	2.23 ± 0.3	0.118	97.9	-0.40
Sodium	mg/l	17.7 ± 0.216	17.7 ± 2.7	0.602	99.9	-0.02
Sulfate (as SO ₄)	mg/l	31.2 ± 0.278	31.7 ± 2	1.03	102	0.49
Total-P (as PO ₄)	mg/l	1.48 ± 0.0285	1.48 ± 0.2	0.111	99.7	-0.04
Total hardness	mmol/l	2.48 ± 0.0362	2.46 ± 0.1	0.0745	99	-0.32
Total nitrogen	mg/l	1.76 ± 0.0577	1.8 ± 0.2	0.146	102	0.27

Sample: N150ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.85 ± 0.0645	1.85 ± 0.3	0.185	99.9	-0.01

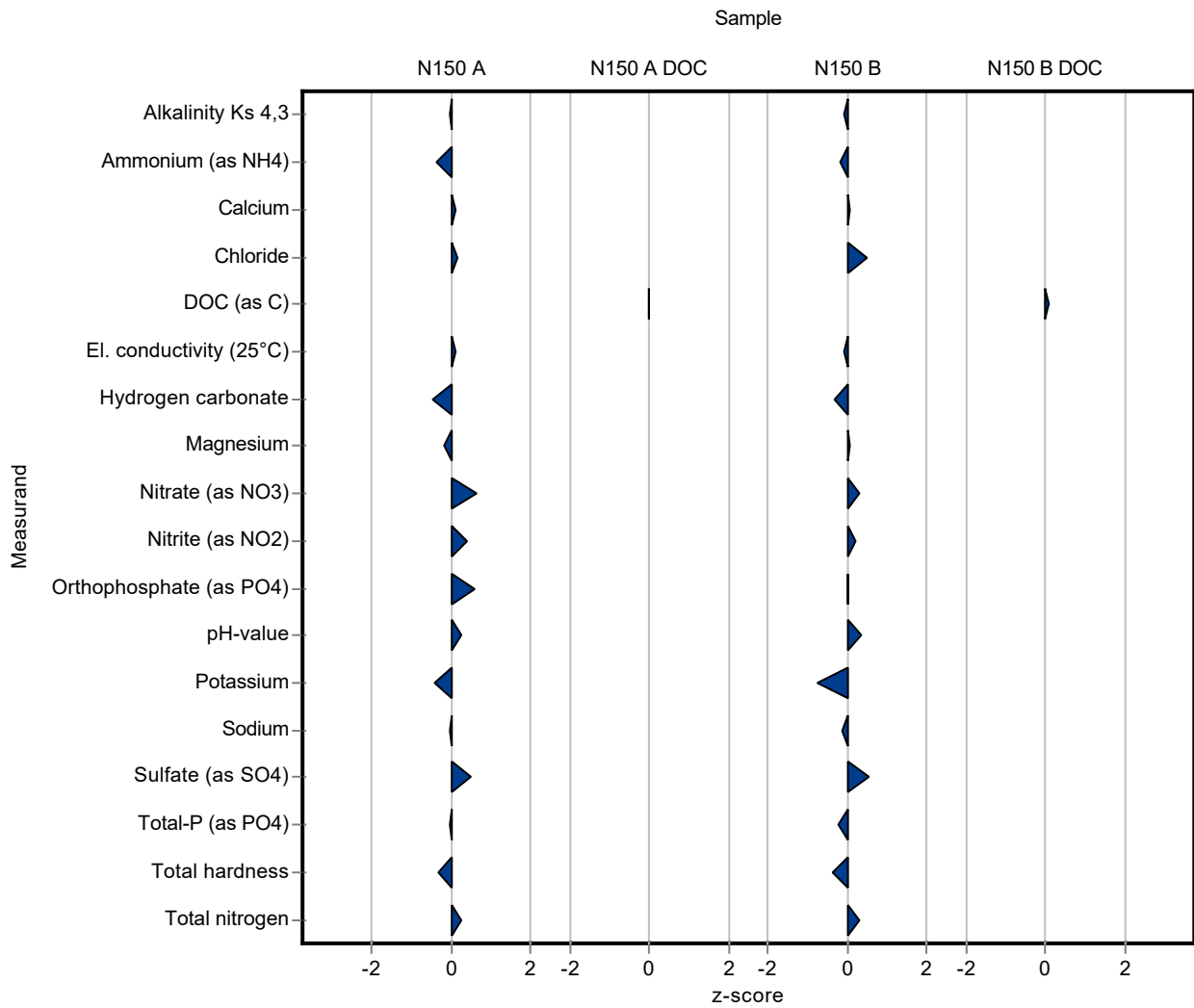
Sample: N150B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	2.74 ± 0.0137	2.73 ± 0.1	0.0547	99.8	-0.09
Ammonium (as NH ₄)	mg/l	0.321 ± 0.00634	0.314 ± 0.05	0.0385	97.9	-0.17
Boron	mg/l	0.00948 ± 0.00044	- ± -	0.00104	-	-
Calcium	mg/l	48.2 ± 0.463	48.3 ± 4	1.5	100	0.04

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Chloride	mg/l	11.5 ± 0.13	11.7 ± 0.8	0.459	102	0.49
El. conductivity (25°C)	µS/cm	350 ± 1.44	350 ± 14	4.56	99.9	-0.10
Hydrogen carbonate	mg/l	165 ± 1.09	164 ± 5	3.3	99.4	-0.32
Magnesium	mg/l	10.9 ± 0.149	10.9 ± 1.4	0.435	100	0.04
Nitrate (as NO ₃)	mg/l	12 ± 0.174	12.2 ± 1	0.601	102	0.30
Nitrite (as NO ₂)	mg/l	0.221 ± 0.00316	0.223 ± 0.02	0.0117	101	0.18
Orthophosphate (as PO ₄)	mg/l	0.166 ± 0.00363	0.166 ± 0.02	0.0149	100	0.00
pH-value	-	7.74 ± 0.033	7.79 ± 0.4	0.155	101	0.35
Potassium	mg/l	1.24 ± 0.0282	1.19 ± 0.2	0.0644	96	-0.76
Sodium	mg/l	6.39 ± 0.087	6.36 ± 1	0.217	99.5	-0.15
Sulfate (as SO ₄)	mg/l	18.3 ± 0.193	18.6 ± 1.2	0.603	102	0.53
Total-P (as PO ₄)	mg/l	0.7 ± 0.0182	0.689 ± 0.07	0.0525	98.4	-0.21
Total hardness	mmol/l	1.68 ± 0.022	1.66 ± 0.1	0.0504	98.8	-0.40
Total nitrogen	mg/l	3.1 ± 0.101	3.18 ± 0.4	0.258	102	0.30

Sample: N150BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.45 ± 0.0593	2.46 ± 0.4	0.245	101	0.06



Sample: N150A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	4.1 ± 0.0162	4.1 ± 0.2	0.0821	99.9	-0.01
Ammonium (as NH ₄)	mg/l	0.0588 ± 0.0023	0.056 ± 0.009	0.00706	95.3	-0.15
Boron	mg/l	0.0209 ± 0.000944	- ± -	0.0023	-	-
Calcium	mg/l	71.6 ± 0.691	71.9 ± 6	2.22	100	0.02
Chloride	mg/l	31 ± 0.209	31.2 ± 2	1.24	101	0.05
El. conductivity (25°C)	µS/cm	545 ± 2.62	546 ± 22	7.09	100	0.02
Hydrogen carbonate	mg/l	249 ± 1.82	247 ± 8	4.99	99	-0.15
Magnesium	mg/l	16.2 ± 0.207	16.1 ± 2	0.648	99.4	-0.03
Nitrate (as NO ₃)	mg/l	7.06 ± 0.16	7.28 ± 0.6	0.353	103	0.18
Nitrite (as NO ₂)	mg/l	0.202 ± 0.00286	0.206 ± 0.02	0.0107	102	0.11
Orthophosphate (as PO ₄)	mg/l	0.137 ± 0.00441	0.144 ± 0.02	0.0123	105	0.18
pH-value	-	7.77 ± 0.027	7.81 ± 0.4	0.155	101	0.05
Potassium	mg/l	2.28 ± 0.0331	2.23 ± 0.3	0.118	97.9	-0.08
Sodium	mg/l	17.7 ± 0.216	17.7 ± 2.7	0.602	99.9	0.00
Sulfate (as SO ₄)	mg/l	31.2 ± 0.278	31.7 ± 2	1.03	102	0.13
Total-P (as PO ₄)	mg/l	1.48 ± 0.0285	1.48 ± 0.2	0.111	99.7	-0.01
Total hardness	mmol/l	2.48 ± 0.0362	2.46 ± 0.1	0.0745	99	-0.12
Total nitrogen	mg/l	1.76 ± 0.0577	1.8 ± 0.2	0.146	102	0.10

Sample: N150ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.85 ± 0.0645	1.85 ± 0.3	0.185	99.9	0.00

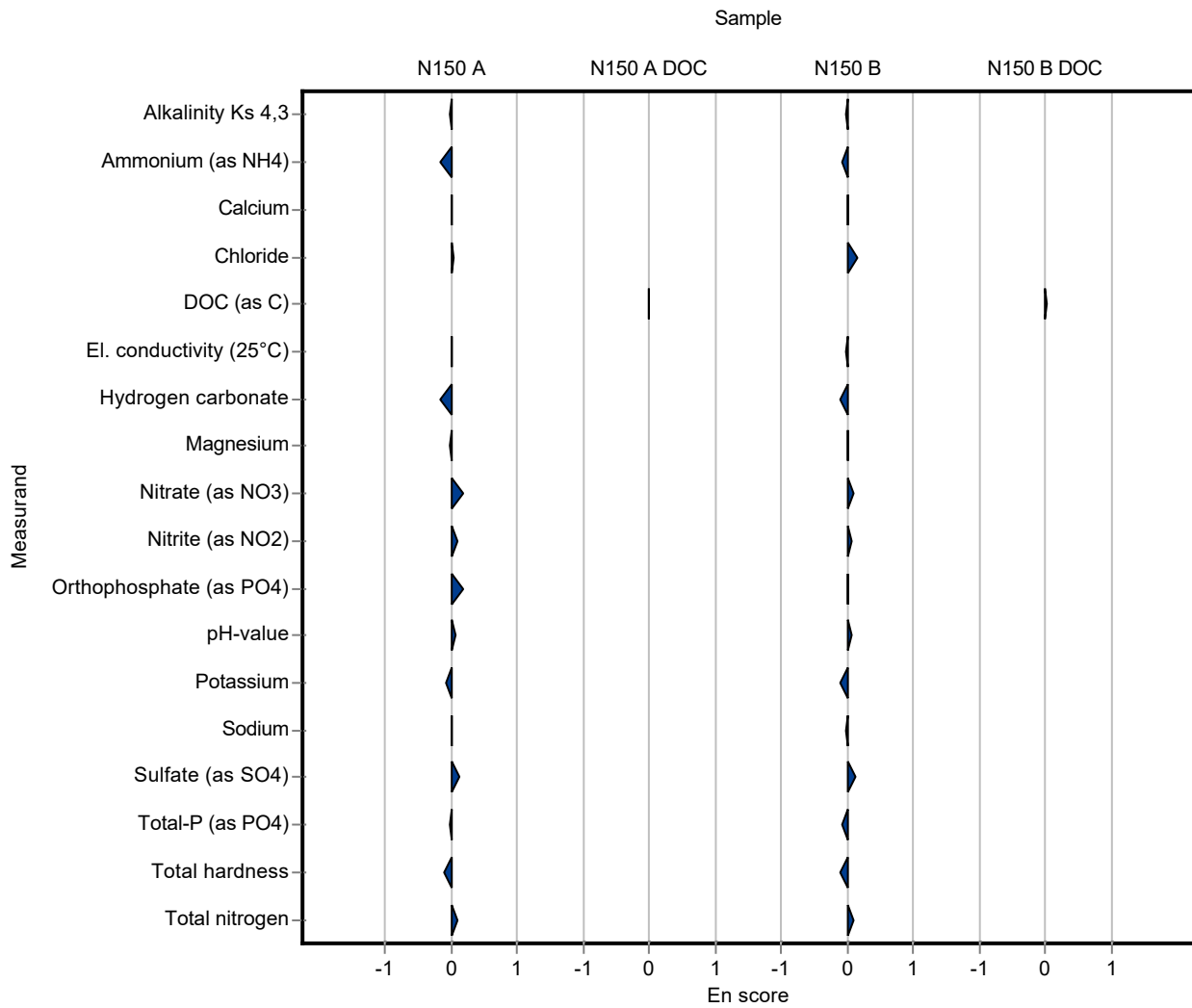
Sample: N150B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	2.74 ± 0.0137	2.73 ± 0.1	0.0547	99.8	-0.03
Ammonium (as NH ₄)	mg/l	0.321 ± 0.00634	0.314 ± 0.05	0.0385	97.9	-0.07
Boron	mg/l	0.00948 ± 0.00044	- ± -	0.00104	-	-
Calcium	mg/l	48.2 ± 0.463	48.3 ± 4	1.5	100	0.01

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Chloride	mg/l	11.5 ± 0.13	11.7 ± 0.8	0.459	102	0.14
El. conductivity (25°C)	µS/cm	350 ± 1.44	350 ± 14	4.56	99.9	-0.02
Hydrogen carbonate	mg/l	165 ± 1.09	164 ± 5	3.3	99.4	-0.10
Magnesium	mg/l	10.9 ± 0.149	10.9 ± 1.4	0.435	100	0.01
Nitrate (as NO ₃)	mg/l	12 ± 0.174	12.2 ± 1	0.601	102	0.09
Nitrite (as NO ₂)	mg/l	0.221 ± 0.00316	0.223 ± 0.02	0.0117	101	0.05
Orthophosphate (as PO ₄)	mg/l	0.166 ± 0.00363	0.166 ± 0.02	0.0149	100	0.00
pH-value	-	7.74 ± 0.033	7.79 ± 0.4	0.155	101	0.07
Potassium	mg/l	1.24 ± 0.0282	1.19 ± 0.2	0.0644	96	-0.12
Sodium	mg/l	6.39 ± 0.087	6.36 ± 1	0.217	99.5	-0.02
Sulfate (as SO ₄)	mg/l	18.3 ± 0.193	18.6 ± 1.2	0.603	102	0.13
Total-P (as PO ₄)	mg/l	0.7 ± 0.0182	0.689 ± 0.07	0.0525	98.4	-0.08
Total hardness	mmol/l	1.68 ± 0.022	1.66 ± 0.1	0.0504	98.8	-0.10
Total nitrogen	mg/l	3.1 ± 0.101	3.18 ± 0.4	0.258	102	0.10

Sample: N150BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	2.45 ± 0.0593	2.46 ± 0.4	0.245	101	0.02



Sample: N150A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	4.1 ± 0.0162	4.1 ± 0.13	0.0821	99.9	-0.05
Ammonium (as NH ₄)	mg/l	0.0588 ± 0.0023	0.0593 ± 0.0023	0.00706	101	0.07
Boron	mg/l	0.0209 ± 0.000944	0.021 ± 0.003	0.0023	100	0.02
Calcium	mg/l	71.6 ± 0.691	74.6 ± 0.603	2.22	104	1.34
Chloride	mg/l	31 ± 0.209	31.3 ± 0.08	1.24	101	0.24
El. conductivity (25°C)	µS/cm	545 ± 2.62	551 ± 0.33	7.09	101	0.83
Hydrogen carbonate	mg/l	249 ± 1.82	247 ± 4.95	4.99	99	-0.48
Magnesium	mg/l	16.2 ± 0.207	15.7 ± 0.928	0.648	96.9	-0.77
Nitrate (as NO ₃)	mg/l	7.06 ± 0.16	7.24 ± 0.07	0.353	103	0.52
Nitrite (as NO ₂)	mg/l	0.202 ± 0.00286	0.1975 ± 0.001	0.0107	97.9	-0.39
Orthophosphate (as PO ₄)	mg/l	0.137 ± 0.00441	0.1368 ± 0.0015	0.0123	100	0.01
pH-value	-	7.77 ± 0.027	7.78 ± 0.08	0.155	100	0.08
Potassium	mg/l	2.28 ± 0.0331	2.2 ± 0.017	0.118	96.6	-0.66
Sodium	mg/l	17.7 ± 0.216	17.8 ± 0.629	0.602	101	0.15
Sulfate (as SO ₄)	mg/l	31.2 ± 0.278	31.2 ± 0.35	1.03	100	0.00
Total-P (as PO ₄)	mg/l	1.48 ± 0.0285	1.315 ± 0.0552	0.111	88.6	-1.52
Total hardness	mmol/l	2.48 ± 0.0362	2.51 ± 0.041	0.0745	101	0.35
Total nitrogen	mg/l	1.76 ± 0.0577	1.68 ± 0.02	0.146	95.4	-0.55

Sample: N150ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.85 ± 0.0645	1.93 ± 0.04	0.185	104	0.43

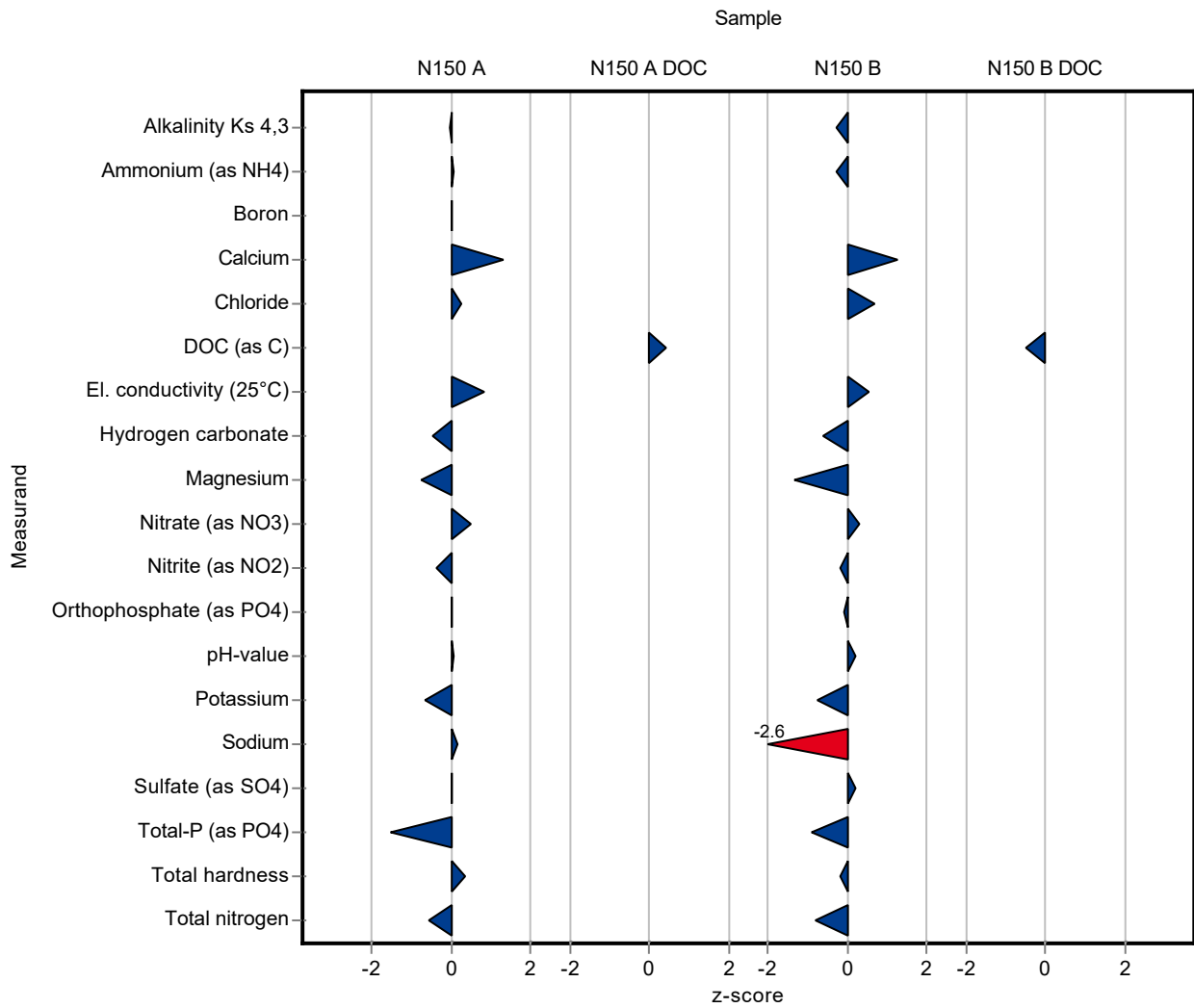
Sample: N150B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	2.74 ± 0.0137	2.72 ± 0.1	0.0547	99.5	-0.28
Ammonium (as NH ₄)	mg/l	0.321 ± 0.00634	0.3097 ± 0.0113	0.0385	96.6	-0.29
Boron	mg/l	0.00948 ± 0.00044	<0.02 (LOQ) ± -	0.00104	-	-
Calcium	mg/l	48.2 ± 0.463	50.1 ± 0.606	1.5	104	1.25

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Chloride	mg/l	11.5 ± 0.13	11.8 ± 0.1	0.459	103	0.71
El. conductivity (25°C)	µS/cm	350 ± 1.44	353 ± 0.04	4.56	101	0.56
Hydrogen carbonate	mg/l	165 ± 1.09	163 ± 3.26	3.3	98.8	-0.62
Magnesium	mg/l	10.9 ± 0.149	10.3 ± 0.96	0.435	94.6	-1.34
Nitrate (as NO ₃)	mg/l	12 ± 0.174	12.2 ± 0.28	0.601	102	0.30
Nitrite (as NO ₂)	mg/l	0.221 ± 0.00316	0.2186 ± 0.001	0.0117	99	-0.20
Orthophosphate (as PO ₄)	mg/l	0.166 ± 0.00363	0.1646 ± 0.0015	0.0149	99.2	-0.09
pH-value	-	7.74 ± 0.033	7.77 ± 0.08	0.155	100	0.22
Potassium	mg/l	1.24 ± 0.0282	1.19 ± 0.018	0.0644	96	-0.76
Sodium	mg/l	6.39 ± 0.087	5.82 ± 0.711	0.217	91	-2.63
Sulfate (as SO ₄)	mg/l	18.3 ± 0.193	18.4 ± 0.39	0.603	101	0.20
Total-P (as PO ₄)	mg/l	0.7 ± 0.0182	0.6529 ± 0.0115	0.0525	93.3	-0.90
Total hardness	mmol/l	1.68 ± 0.022	1.67 ± 0.042	0.0504	99.4	-0.20
Total nitrogen	mg/l	3.1 ± 0.101	2.89 ± 0.02	0.258	93.1	-0.83

Sample: N150BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.45 ± 0.0593	2.32 ± 0.04	0.245	94.8	-0.52



Sample: N150A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	4.1 ± 0.0162	4.1 ± 0.13	0.0821	99.9	-0.02
Ammonium (as NH4)	mg/l	0.0588 ± 0.0023	0.0593 ± 0.0023	0.00706	101	0.10
Boron	mg/l	0.0209 ± 0.000944	0.021 ± 0.003	0.0023	100	0.01
Calcium	mg/l	71.6 ± 0.691	74.6 ± 0.603	2.22	104	2.13
Chloride	mg/l	31 ± 0.209	31.3 ± 0.08	1.24	101	1.12
El. conductivity (25°C)	µS/cm	545 ± 2.62	551 ± 0.33	7.09	101	2.18
Hydrogen carbonate	mg/l	249 ± 1.82	247 ± 4.95	4.99	99	-0.24
Magnesium	mg/l	16.2 ± 0.207	15.7 ± 0.928	0.648	96.9	-0.27
Nitrate (as NO3)	mg/l	7.06 ± 0.16	7.24 ± 0.07	0.353	103	0.86
Nitrite (as NO2)	mg/l	0.202 ± 0.00286	0.1975 ± 0.001	0.0107	97.9	-1.19
Orthophosphate (as PO4)	mg/l	0.137 ± 0.00441	0.1368 ± 0.0015	0.0123	100	0.02
pH-value	-	7.77 ± 0.027	7.78 ± 0.08	0.155	100	0.08
Potassium	mg/l	2.28 ± 0.0331	2.2 ± 0.017	0.118	96.6	-1.63
Sodium	mg/l	17.7 ± 0.216	17.8 ± 0.629	0.602	101	0.07
Sulfate (as SO4)	mg/l	31.2 ± 0.278	31.2 ± 0.35	1.03	100	0.00
Total-P (as PO4)	mg/l	1.48 ± 0.0285	1.315 ± 0.0552	0.111	88.6	-1.48
Total hardness	mmol/l	2.48 ± 0.0362	2.51 ± 0.041	0.0745	101	0.29
Total nitrogen	mg/l	1.76 ± 0.0577	1.68 ± 0.02	0.146	95.4	-1.15

Sample: N150ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.85 ± 0.0645	1.93 ± 0.04	0.185	104	0.77

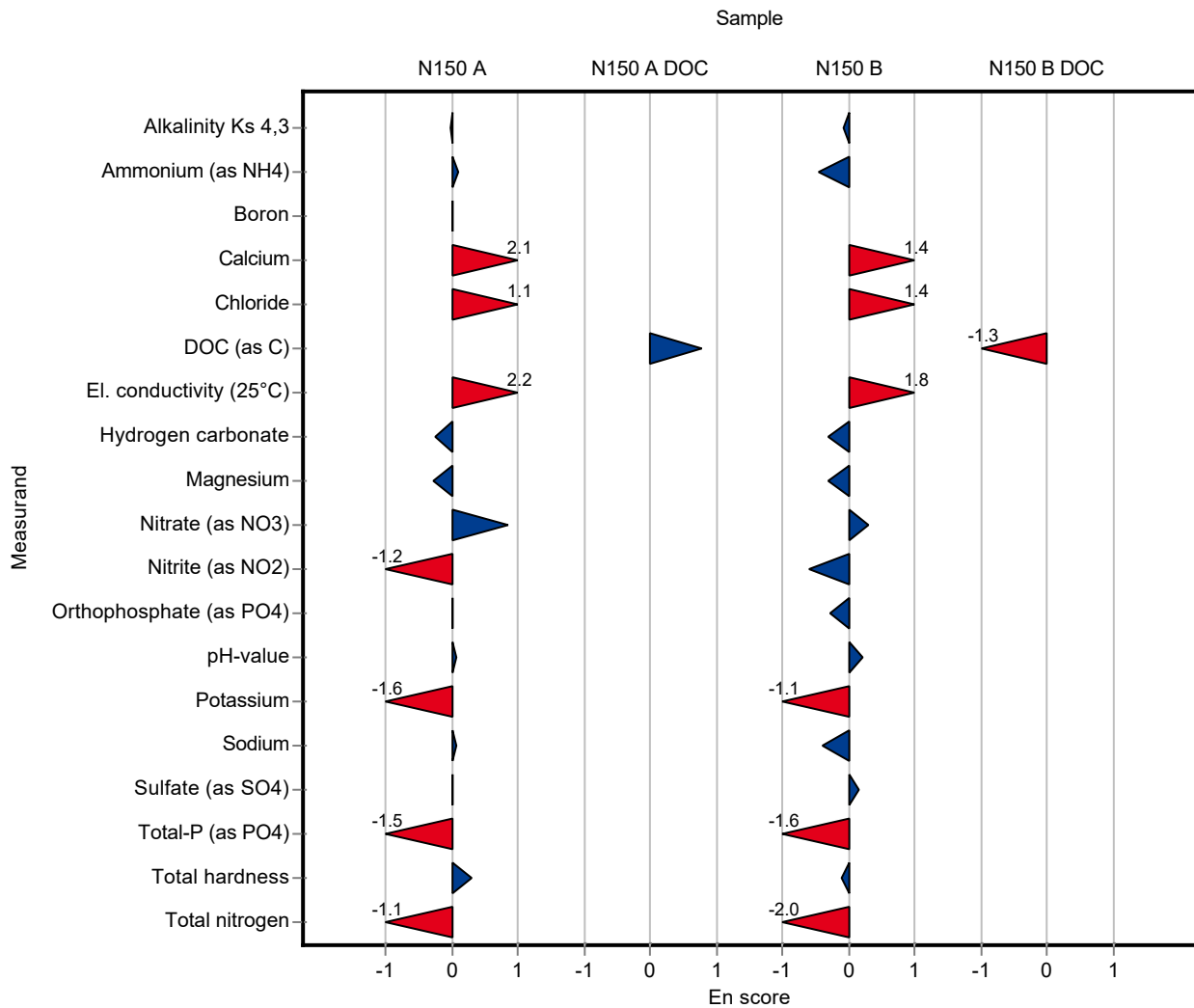
Sample: N150B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	2.74 ± 0.0137	2.72 ± 0.1	0.0547	99.5	-0.07
Ammonium (as NH4)	mg/l	0.321 ± 0.00634	0.3097 ± 0.0113	0.0385	96.6	-0.47
Boron	mg/l	0.00948 ± 0.00044	<0.02 (LOQ) ± -	0.00104	-	-
Calcium	mg/l	48.2 ± 0.463	50.1 ± 0.606	1.5	104	1.44

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Chloride	mg/l	11.5 ± 0.13	11.8 ± 0.1	0.459	103	1.36
El. conductivity (25°C)	µS/cm	350 ± 1.44	353 ± 0.04	4.56	101	1.76
Hydrogen carbonate	mg/l	165 ± 1.09	163 ± 3.26	3.3	98.8	-0.31
Magnesium	mg/l	10.9 ± 0.149	10.3 ± 0.96	0.435	94.6	-0.30
Nitrate (as NO ₃)	mg/l	12 ± 0.174	12.2 ± 0.28	0.601	102	0.31
Nitrite (as NO ₂)	mg/l	0.221 ± 0.00316	0.2186 ± 0.001	0.0117	99	-0.61
Orthophosphate (as PO ₄)	mg/l	0.166 ± 0.00363	0.1646 ± 0.0015	0.0149	99.2	-0.29
pH-value	-	7.74 ± 0.033	7.77 ± 0.08	0.155	100	0.21
Potassium	mg/l	1.24 ± 0.0282	1.19 ± 0.018	0.0644	96	-1.08
Sodium	mg/l	6.39 ± 0.087	5.82 ± 0.711	0.217	91	-0.40
Sulfate (as SO ₄)	mg/l	18.3 ± 0.193	18.4 ± 0.39	0.603	101	0.15
Total-P (as PO ₄)	mg/l	0.7 ± 0.0182	0.6529 ± 0.0115	0.0525	93.3	-1.61
Total hardness	mmol/l	1.68 ± 0.022	1.67 ± 0.042	0.0504	99.4	-0.11
Total nitrogen	mg/l	3.1 ± 0.101	2.89 ± 0.02	0.258	93.1	-1.96

Sample: N150BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	2.45 ± 0.0593	2.32 ± 0.04	0.245	94.8	-1.27



Sample: N150A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	4.1 ± 0.0162	4.02 ± 0.2	0.0821	97.9	-1.03
Ammonium (as NH ₄)	mg/l	0.0588 ± 0.0023	0.15 ± 0.023	0.00706	255	12.90
Boron	mg/l	0.0209 ± 0.000944	0.0203 ± 0.00143	0.0023	96.9	-0.28
Calcium	mg/l	71.6 ± 0.691	81.4 ± 12.3	2.22	114	4.40
Chloride	mg/l	31 ± 0.209	31.5 ± 1.12	1.24	102	0.40
El. conductivity (25°C)	µS/cm	545 ± 2.62	340 ± 6.8	7.09	62.4	-28.90
Hydrogen carbonate	mg/l	249 ± 1.82	242 ± 12.1	4.99	97	-1.49
Magnesium	mg/l	16.2 ± 0.207	17.9 ± 2.59	0.648	110	2.62
Nitrate (as NO ₃)	mg/l	7.06 ± 0.16	6.58 ± 0.606	0.353	93.2	-1.35
Nitrite (as NO ₂)	mg/l	0.202 ± 0.00286	0.17 ± 0.017	0.0107	84.3	-2.96
Orthophosphate (as PO ₄)	mg/l	0.137 ± 0.00441	0.13 ± 0.013	0.0123	95.1	-0.54
pH-value	-	7.77 ± 0.027	8.06 ± 0.16	0.155	104	1.88
Potassium	mg/l	2.28 ± 0.0331	2.32 ± 0.118	0.118	102	0.36
Sodium	mg/l	17.7 ± 0.216	11.6 ± 0.435	0.602	65.5	-10.10
Sulfate (as SO ₄)	mg/l	31.2 ± 0.278	31.8 ± 2.18	1.03	102	0.58
Total-P (as PO ₄)	mg/l	1.48 ± 0.0285	1.53 ± 0.24	0.111	103	0.41
Total hardness	mmol/l	2.48 ± 0.0362	2.76 ± 0.276	0.0745	111	3.71
Total nitrogen	mg/l	1.76 ± 0.0577	5.46 ± 0.754	0.146	310	25.30

Sample: N150ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.85 ± 0.0645	2.71 ± 0.31	0.185	146	4.64

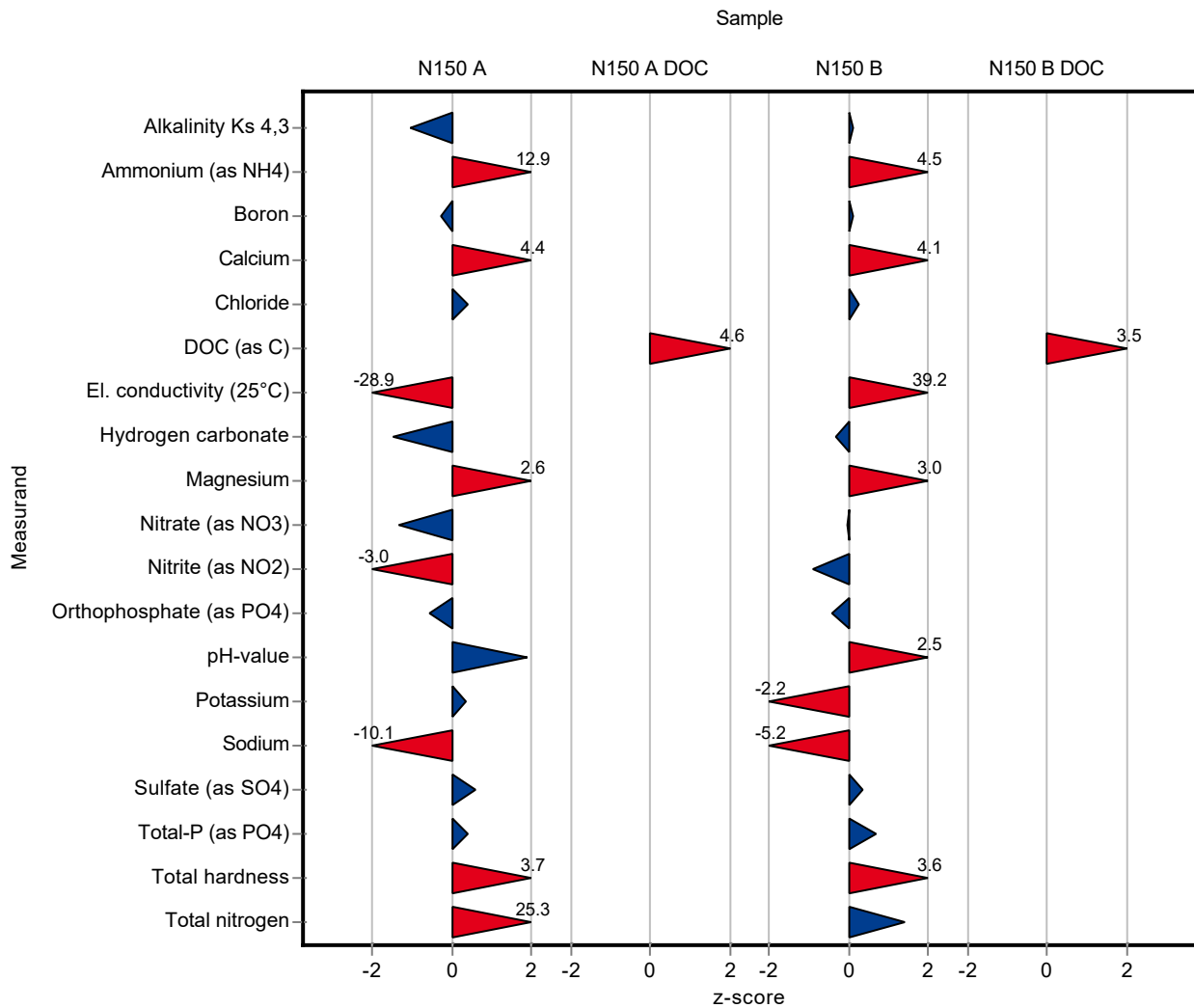
Sample: N150B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	2.74 ± 0.0137	2.74 ± 0.14	0.0547	100	0.09
Ammonium (as NH ₄)	mg/l	0.321 ± 0.00634	0.495 ± 0.074	0.0385	154	4.53
Boron	mg/l	0.00948 ± 0.00044	0.0096 ± 0.0007	0.00104	101	0.11
Calcium	mg/l	48.2 ± 0.463	54.3 ± 8.24	1.5	113	4.06

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Chloride	mg/l	11.5 ± 0.13	11.6 ± 0.41	0.459	101	0.27
El. conductivity (25°C)	µS/cm	350 ± 1.44	529 ± 10.6	4.56	151	39.20
Hydrogen carbonate	mg/l	165 ± 1.09	164 ± 8.2	3.3	99.4	-0.32
Magnesium	mg/l	10.9 ± 0.149	12.2 ± 1.77	0.435	112	3.03
Nitrate (as NO ₃)	mg/l	12 ± 0.174	12 ± 1.1	0.601	99.8	-0.03
Nitrite (as NO ₂)	mg/l	0.221 ± 0.00316	0.21 ± 0.021	0.0117	95.1	-0.93
Orthophosphate (as PO ₄)	mg/l	0.166 ± 0.00363	0.16 ± 0.016	0.0149	96.4	-0.40
pH-value	-	7.74 ± 0.033	8.12 ± 0.16	0.155	105	2.49
Potassium	mg/l	1.24 ± 0.0282	1.1 ± 0.056	0.0644	88.8	-2.16
Sodium	mg/l	6.39 ± 0.087	5.26 ± 0.198	0.217	82.3	-5.21
Sulfate (as SO ₄)	mg/l	18.3 ± 0.193	18.5 ± 1.27	0.603	101	0.37
Total-P (as PO ₄)	mg/l	0.7 ± 0.0182	0.736 ± 0.116	0.0525	105	0.68
Total hardness	mmol/l	1.68 ± 0.022	1.86 ± 0.186	0.0504	111	3.57
Total nitrogen	mg/l	3.1 ± 0.101	3.47 ± 0.479	0.258	112	1.42

Sample: N150BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.45 ± 0.0593	3.3 ± 0.37	0.245	135	3.49



Sample: N150A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	4.1 ± 0.0162	4.02 ± 0.2	0.0821	97.9	-0.21
Ammonium (as NH4)	mg/l	0.0588 ± 0.0023	0.15 ± 0.023	0.00706	255	1.98
Boron	mg/l	0.0209 ± 0.000944	0.0203 ± 0.00143	0.0023	96.9	-0.21
Calcium	mg/l	71.6 ± 0.691	81.4 ± 12.3	2.22	114	0.40
Chloride	mg/l	31 ± 0.209	31.5 ± 1.12	1.24	102	0.22
El. conductivity (25°C)	µS/cm	545 ± 2.62	340 ± 6.8	7.09	62.4	-14.80
Hydrogen carbonate	mg/l	249 ± 1.82	242 ± 12.1	4.99	97	-0.31
Magnesium	mg/l	16.2 ± 0.207	17.9 ± 2.59	0.648	110	0.33
Nitrate (as NO3)	mg/l	7.06 ± 0.16	6.58 ± 0.606	0.353	93.2	-0.39
Nitrite (as NO2)	mg/l	0.202 ± 0.00286	0.17 ± 0.017	0.0107	84.3	-0.93
Orthophosphate (as PO4)	mg/l	0.137 ± 0.00441	0.13 ± 0.013	0.0123	95.1	-0.25
pH-value	-	7.77 ± 0.027	8.06 ± 0.16	0.155	104	0.91
Potassium	mg/l	2.28 ± 0.0331	2.32 ± 0.118	0.118	102	0.18
Sodium	mg/l	17.7 ± 0.216	11.6 ± 0.435	0.602	65.5	-6.82
Sulfate (as SO4)	mg/l	31.2 ± 0.278	31.8 ± 2.18	1.03	102	0.14
Total-P (as PO4)	mg/l	1.48 ± 0.0285	1.53 ± 0.24	0.111	103	0.10
Total hardness	mmol/l	2.48 ± 0.0362	2.76 ± 0.276	0.0745	111	0.50
Total nitrogen	mg/l	1.76 ± 0.0577	5.46 ± 0.754	0.146	310	2.45

Sample: N150ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.85 ± 0.0645	2.71 ± 0.31	0.185	146	1.38

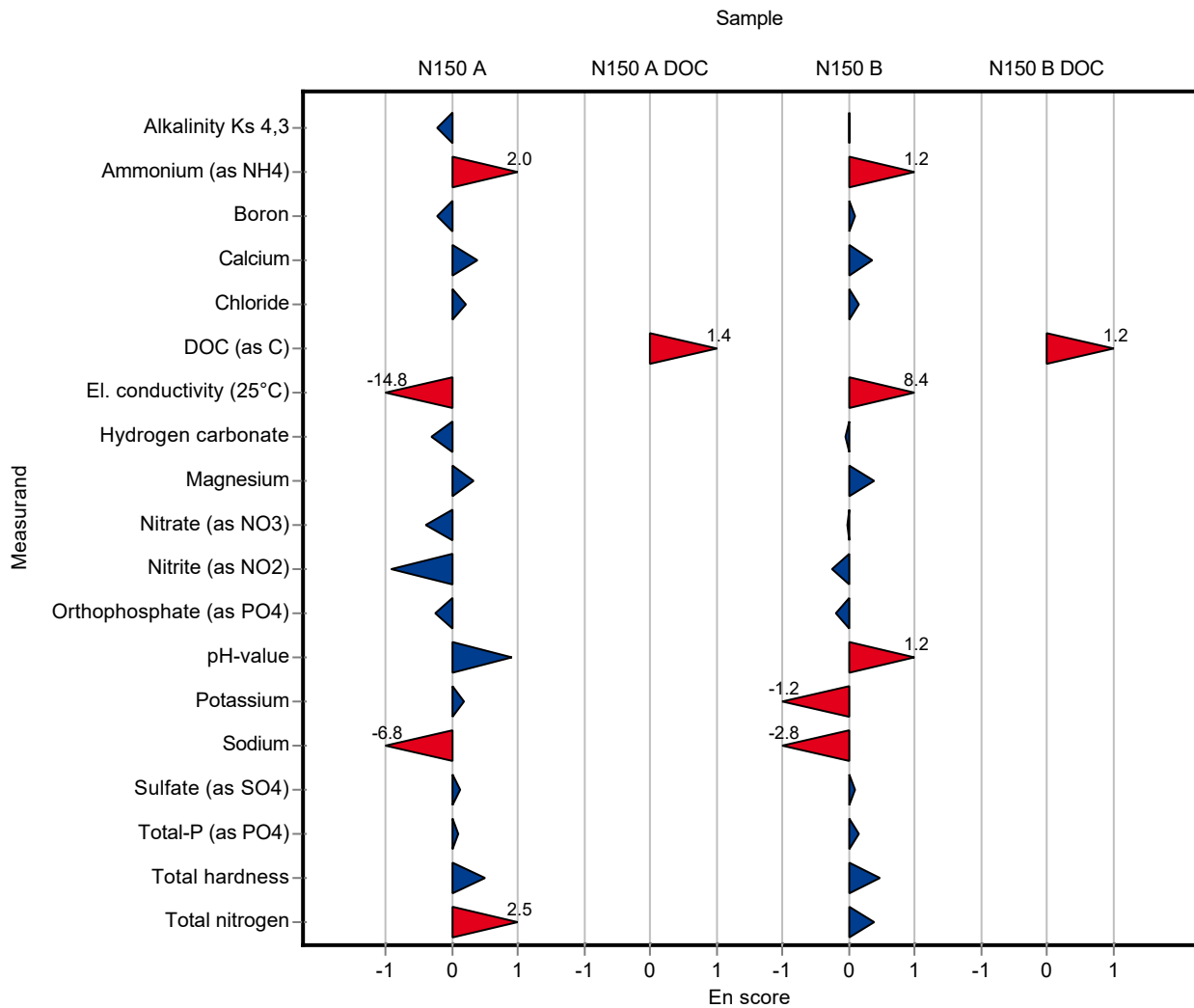
Sample: N150B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	2.74 ± 0.0137	2.74 ± 0.14	0.0547	100	0.02
Ammonium (as NH4)	mg/l	0.321 ± 0.00634	0.495 ± 0.074	0.0385	154	1.18
Boron	mg/l	0.00948 ± 0.00044	0.0096 ± 0.0007	0.00104	101	0.08
Calcium	mg/l	48.2 ± 0.463	54.3 ± 8.24	1.5	113	0.37

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Chloride	mg/l	11.5 ± 0.13	11.6 ± 0.41	0.459	101	0.15
El. conductivity (25°C)	µS/cm	350 ± 1.44	529 ± 10.6	4.56	151	8.40
Hydrogen carbonate	mg/l	165 ± 1.09	164 ± 8.2	3.3	99.4	-0.06
Magnesium	mg/l	10.9 ± 0.149	12.2 ± 1.77	0.435	112	0.37
Nitrate (as NO ₃)	mg/l	12 ± 0.174	12 ± 1.1	0.601	99.8	-0.01
Nitrite (as NO ₂)	mg/l	0.221 ± 0.00316	0.21 ± 0.021	0.0117	95.1	-0.26
Orthophosphate (as PO ₄)	mg/l	0.166 ± 0.00363	0.16 ± 0.016	0.0149	96.4	-0.19
pH-value	-	7.74 ± 0.033	8.12 ± 0.16	0.155	105	1.20
Potassium	mg/l	1.24 ± 0.0282	1.1 ± 0.056	0.0644	88.8	-1.21
Sodium	mg/l	6.39 ± 0.087	5.26 ± 0.198	0.217	82.3	-2.79
Sulfate (as SO ₄)	mg/l	18.3 ± 0.193	18.5 ± 1.27	0.603	101	0.09
Total-P (as PO ₄)	mg/l	0.7 ± 0.0182	0.736 ± 0.116	0.0525	105	0.15
Total hardness	mmol/l	1.68 ± 0.022	1.86 ± 0.186	0.0504	111	0.48
Total nitrogen	mg/l	3.1 ± 0.101	3.47 ± 0.479	0.258	112	0.38

Sample: N150BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	2.45 ± 0.0593	3.3 ± 0.37	0.245	135	1.15



Sample: N150A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	4.1 ± 0.0162	4.11 ± 0.32	0.0821	100	0.07
Ammonium (as NH ₄)	mg/l	0.0588 ± 0.0023	<0.1 (LOQ) ± -	0.00706	-	-
Boron	mg/l	0.0209 ± 0.000944	0.01895 ± 0.00371	0.0023	90.5	-0.87
Calcium	mg/l	71.6 ± 0.691	66.522 ± 5.29	2.22	92.9	-2.30
Chloride	mg/l	31 ± 0.209	29.21 ± 3.81	1.24	94.2	-1.45
El. conductivity (25°C)	µS/cm	545 ± 2.62	548 ± 11	7.09	101	0.41
Hydrogen carbonate	mg/l	249 ± 1.82	250.8 ± 4.8	4.99	101	0.28
Magnesium	mg/l	16.2 ± 0.207	15.281 ± 1.57	0.648	94.3	-1.42
Nitrate (as NO ₃)	mg/l	7.06 ± 0.16	7.447 ± 0.786	0.353	106	1.10
Nitrite (as NO ₂)	mg/l	0.202 ± 0.00286	0.223 ± 0.044	0.0107	111	2.00
Orthophosphate (as PO ₄)	mg/l	0.137 ± 0.00441	<1 (LOQ) ± -	0.0123	-	-
pH-value	-	7.77 ± 0.027	- ± -	0.155	-	-
Potassium	mg/l	2.28 ± 0.0331	2.158 ± 0.177	0.118	94.7	-1.01
Sodium	mg/l	17.7 ± 0.216	16.964 ± 2.355	0.602	95.8	-1.24
Sulfate (as SO ₄)	mg/l	31.2 ± 0.278	34.562 ± 4.316	1.03	111	3.27
Total-P (as PO ₄)	mg/l	1.48 ± 0.0285	- ± -	0.111	-	-
Total hardness	mmol/l	2.48 ± 0.0362	2.3 ± 0.2	0.0745	92.6	-2.47
Total nitrogen	mg/l	1.76 ± 0.0577	- ± -	0.146	-	-

Sample: N150ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.85 ± 0.0645	1.97 ± 0.17	0.185	106	0.64

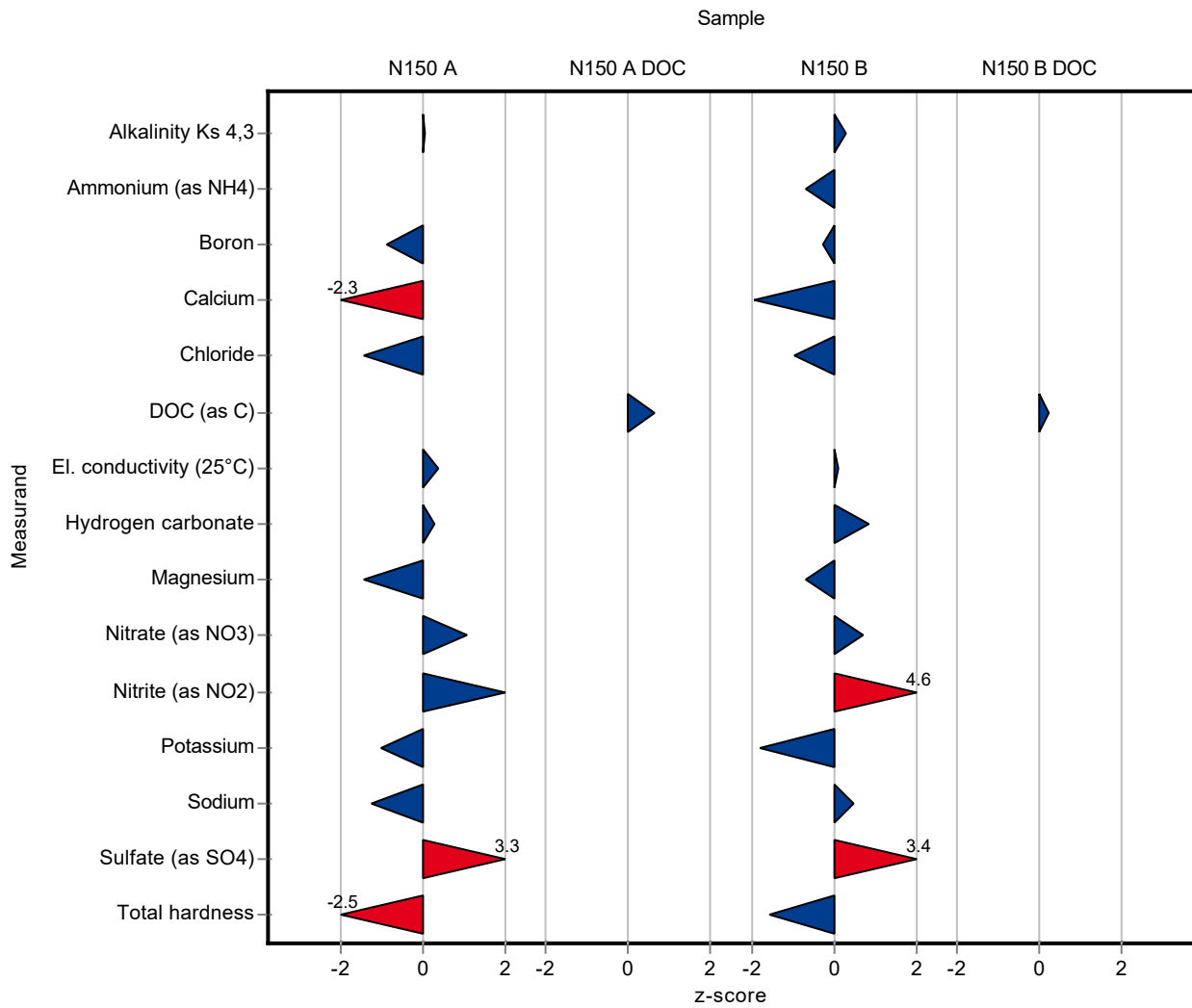
Sample: N150B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	2.74 ± 0.0137	2.75 ± 0.21	0.0547	101	0.27
Ammonium (as NH ₄)	mg/l	0.321 ± 0.00634	0.295 ± 0.053	0.0385	92	-0.67
Boron	mg/l	0.00948 ± 0.00044	0.00922 ± 0.001803	0.00104	97.2	-0.25
Calcium	mg/l	48.2 ± 0.463	45.304 ± 3.602	1.5	93.9	-1.96

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Chloride	mg/l	11.5 ± 0.13	11.029 ± 1.438	0.459	96.1	-0.97
El. conductivity (25°C)	µS/cm	350 ± 1.44	351 ± 6.7	4.56	100	0.12
Hydrogen carbonate	mg/l	165 ± 1.09	167.8 ± 3.2	3.3	102	0.83
Magnesium	mg/l	10.9 ± 0.149	10.574 ± 1.088	0.435	97.2	-0.71
Nitrate (as NO ₃)	mg/l	12 ± 0.174	12.435 ± 1.313	0.601	103	0.69
Nitrite (as NO ₂)	mg/l	0.221 ± 0.00316	0.275 ± 0.048	0.0117	124	4.62
Orthophosphate (as PO ₄)	mg/l	0.166 ± 0.00363	<1 (LOQ) ± -	0.0149	-	-
pH-value	-	7.74 ± 0.033	- ± -	0.155	-	-
Potassium	mg/l	1.24 ± 0.0282	1.123 ± 0.092	0.0644	90.6	-1.80
Sodium	mg/l	6.39 ± 0.087	6.493 ± 0.901	0.217	102	0.46
Sulfate (as SO ₄)	mg/l	18.3 ± 0.193	20.331 ± 2.541	0.603	111	3.40
Total-P (as PO ₄)	mg/l	0.7 ± 0.0182	<1 (LOQ) ± -	0.0525	-	-
Total hardness	mmol/l	1.68 ± 0.022	1.6 ± 0.128	0.0504	95.2	-1.59
Total nitrogen	mg/l	3.1 ± 0.101	- ± -	0.258	-	-

Sample: N150BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.45 ± 0.0593	2.5 ± 0.221	0.245	102	0.22



Sample: N150A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	4.1 ± 0.0162	4.11 ± 0.32	0.0821	100	0.01
Ammonium (as NH ₄)	mg/l	0.0588 ± 0.0023	<0.1 (LOQ) ± -	0.00706	-	-
Boron	mg/l	0.0209 ± 0.000944	0.01895 ± 0.00371	0.0023	90.5	-0.27
Calcium	mg/l	71.6 ± 0.691	66.522 ± 5.29	2.22	92.9	-0.48
Chloride	mg/l	31 ± 0.209	29.21 ± 3.81	1.24	94.2	-0.23
El. conductivity (25°C)	µS/cm	545 ± 2.62	548 ± 11	7.09	101	0.13
Hydrogen carbonate	mg/l	249 ± 1.82	250.8 ± 4.8	4.99	101	0.14
Magnesium	mg/l	16.2 ± 0.207	15.281 ± 1.57	0.648	94.3	-0.29
Nitrate (as NO ₃)	mg/l	7.06 ± 0.16	7.447 ± 0.786	0.353	106	0.25
Nitrite (as NO ₂)	mg/l	0.202 ± 0.00286	0.223 ± 0.044	0.0107	111	0.24
Orthophosphate (as PO ₄)	mg/l	0.137 ± 0.00441	<1 (LOQ) ± -	0.0123	-	-
pH-value	-	7.77 ± 0.027	- ± -	0.155	-	-
Potassium	mg/l	2.28 ± 0.0331	2.158 ± 0.177	0.118	94.7	-0.34
Sodium	mg/l	17.7 ± 0.216	16.964 ± 2.355	0.602	95.8	-0.16
Sulfate (as SO ₄)	mg/l	31.2 ± 0.278	34.562 ± 4.316	1.03	111	0.39
Total-P (as PO ₄)	mg/l	1.48 ± 0.0285	- ± -	0.111	-	-
Total hardness	mmol/l	2.48 ± 0.0362	2.3 ± 0.2	0.0745	92.6	-0.46
Total nitrogen	mg/l	1.76 ± 0.0577	- ± -	0.146	-	-

Sample: N150ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.85 ± 0.0645	1.97 ± 0.17	0.185	106	0.34

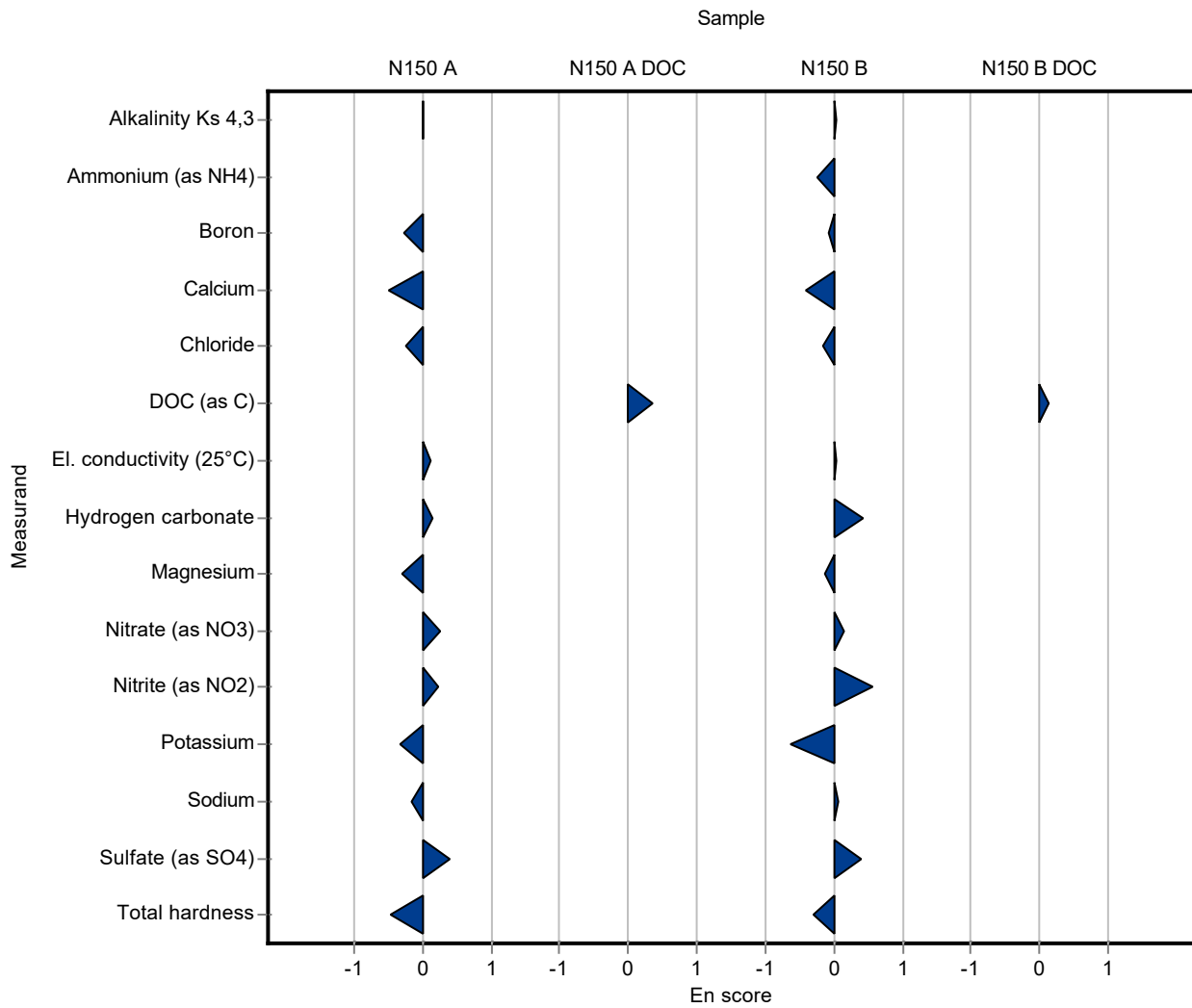
Sample: N150B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	2.74 ± 0.0137	2.75 ± 0.21	0.0547	101	0.04
Ammonium (as NH ₄)	mg/l	0.321 ± 0.00634	0.295 ± 0.053	0.0385	92	-0.24
Boron	mg/l	0.00948 ± 0.00044	0.00922 ± 0.001803	0.00104	97.2	-0.07
Calcium	mg/l	48.2 ± 0.463	45.304 ± 3.602	1.5	93.9	-0.41

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Chloride	mg/l	11.5 ± 0.13	11.029 ± 1.438	0.459	96.1	-0.15
El. conductivity (25°C)	µS/cm	350 ± 1.44	351 ± 6.7	4.56	100	0.04
Hydrogen carbonate	mg/l	165 ± 1.09	167.8 ± 3.2	3.3	102	0.42
Magnesium	mg/l	10.9 ± 0.149	10.574 ± 1.088	0.435	97.2	-0.14
Nitrate (as NO ₃)	mg/l	12 ± 0.174	12.435 ± 1.313	0.601	103	0.16
Nitrite (as NO ₂)	mg/l	0.221 ± 0.00316	0.275 ± 0.048	0.0117	124	0.56
Orthophosphate (as PO ₄)	mg/l	0.166 ± 0.00363	<1 (LOQ) ± -	0.0149	-	-
pH-value	-	7.74 ± 0.033	- ± -	0.155	-	-
Potassium	mg/l	1.24 ± 0.0282	1.123 ± 0.092	0.0644	90.6	-0.62
Sodium	mg/l	6.39 ± 0.087	6.493 ± 0.901	0.217	102	0.06
Sulfate (as SO ₄)	mg/l	18.3 ± 0.193	20.331 ± 2.541	0.603	111	0.40
Total-P (as PO ₄)	mg/l	0.7 ± 0.0182	<1 (LOQ) ± -	0.0525	-	-
Total hardness	mmol/l	1.68 ± 0.022	1.6 ± 0.128	0.0504	95.2	-0.31
Total nitrogen	mg/l	3.1 ± 0.101	- ± -	0.258	-	-

Sample: N150BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	2.45 ± 0.0593	2.5 ± 0.221	0.245	102	0.12



Sample: N150A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	4.1 ± 0.0162	- ± -	0.0821	-	-
Ammonium (as NH ₄)	mg/l	0.0588 ± 0.0023	<0.064 (LOQ) ± -	0.00706	-	-
Boron	mg/l	0.0209 ± 0.000944	- ± -	0.0023	-	-
Calcium	mg/l	71.6 ± 0.691	73.1 ± 2.5	2.22	102	0.66
Chloride	mg/l	31 ± 0.209	30.4 ± 1.87	1.24	98	-0.49
El. conductivity (25°C)	µS/cm	545 ± 2.62	534 ± 13	7.09	98	-1.57
Hydrogen carbonate	mg/l	249 ± 1.82	- ± -	4.99	-	-
Magnesium	mg/l	16.2 ± 0.207	16.3 ± 1	0.648	101	0.15
Nitrate (as NO ₃)	mg/l	7.06 ± 0.16	7.16 ± 0.1	0.353	101	0.29
Nitrite (as NO ₂)	mg/l	0.202 ± 0.00286	0.204 ± 0.013	0.0107	101	0.22
Orthophosphate (as PO ₄)	mg/l	0.137 ± 0.00441	0.129 ± 0.01	0.0123	94.4	-0.62
pH-value	-	7.77 ± 0.027	7.75 ± 0.12	0.155	99.8	-0.11
Potassium	mg/l	2.28 ± 0.0331	2.1 ± 1	0.118	92.2	-1.50
Sodium	mg/l	17.7 ± 0.216	16.4 ± 3	0.602	92.6	-2.18
Sulfate (as SO ₄)	mg/l	31.2 ± 0.278	- ± -	1.03	-	-
Total-P (as PO ₄)	mg/l	1.48 ± 0.0285	- ± -	0.111	-	-
Total hardness	mmol/l	2.48 ± 0.0362	- ± -	0.0745	-	-
Total nitrogen	mg/l	1.76 ± 0.0577	- ± -	0.146	-	-

Sample: N150ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.85 ± 0.0645	1.6 ± 0.2	0.185	86.4	-1.36

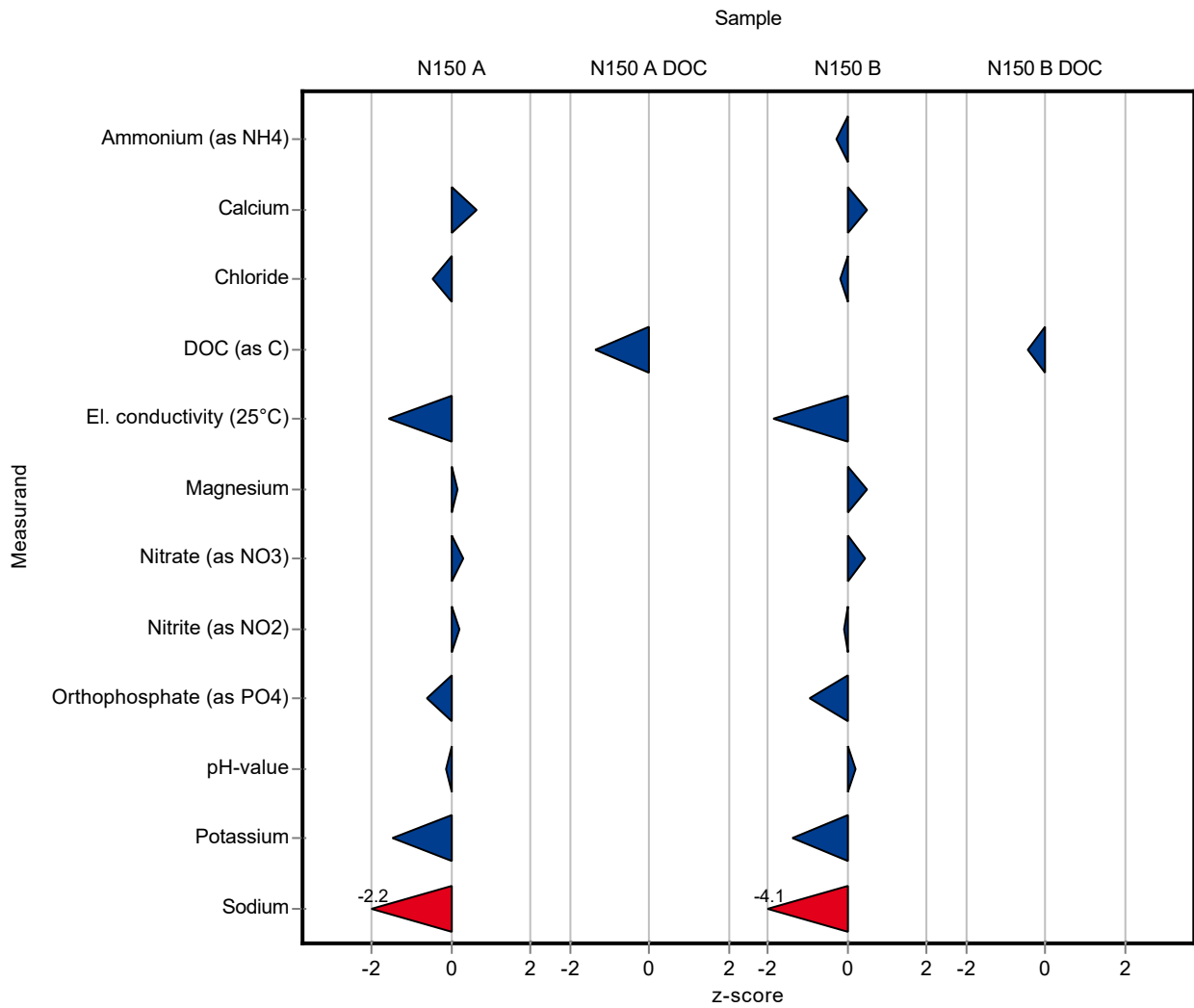
Sample: N150B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	2.74 ± 0.0137	- ± -	0.0547	-	-
Ammonium (as NH ₄)	mg/l	0.321 ± 0.00634	0.31 ± 0.013	0.0385	96.7	-0.28
Boron	mg/l	0.00948 ± 0.00044	- ± -	0.00104	-	-
Calcium	mg/l	48.2 ± 0.463	49 ± 1.68	1.5	102	0.51

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Chloride	mg/l	11.5 ± 0.13	11.4 ± 0.7	0.459	99.3	-0.16
El. conductivity (25°C)	µS/cm	350 ± 1.44	342 ± 8.4	4.56	97.6	-1.86
Hydrogen carbonate	mg/l	165 ± 1.09	- ± -	3.3	-	-
Magnesium	mg/l	10.9 ± 0.149	11.1 ± 0.68	0.435	102	0.50
Nitrate (as NO ₃)	mg/l	12 ± 0.174	12.3 ± 0.17	0.601	102	0.47
Nitrite (as NO ₂)	mg/l	0.221 ± 0.00316	0.22 ± 0.015	0.0117	99.6	-0.08
Orthophosphate (as PO ₄)	mg/l	0.166 ± 0.00363	0.152 ± 0.011	0.0149	91.6	-0.94
pH-value	-	7.74 ± 0.033	7.77 ± 0.12	0.155	100	0.22
Potassium	mg/l	1.24 ± 0.0282	1.15 ± 0.55	0.0644	92.8	-1.38
Sodium	mg/l	6.39 ± 0.087	5.5 ± 1	0.217	86	-4.11
Sulfate (as SO ₄)	mg/l	18.3 ± 0.193	- ± -	0.603	-	-
Total-P (as PO ₄)	mg/l	0.7 ± 0.0182	- ± -	0.0525	-	-
Total hardness	mmol/l	1.68 ± 0.022	- ± -	0.0504	-	-
Total nitrogen	mg/l	3.1 ± 0.101	- ± -	0.258	-	-

Sample: N150BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.45 ± 0.0593	2.34 ± 0.2	0.245	95.7	-0.43



Sample: N150A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	4.1 ± 0.0162	- ± -	0.0821	-	-
Ammonium (as NH ₄)	mg/l	0.0588 ± 0.0023	<0.064 (LOQ) ± -	0.00706	-	-
Boron	mg/l	0.0209 ± 0.000944	- ± -	0.0023	-	-
Calcium	mg/l	71.6 ± 0.691	73.1 ± 2.5	2.22	102	0.29
Chloride	mg/l	31 ± 0.209	30.4 ± 1.87	1.24	98	-0.16
El. conductivity (25°C)	µS/cm	545 ± 2.62	534 ± 13	7.09	98	-0.42
Hydrogen carbonate	mg/l	249 ± 1.82	- ± -	4.99	-	-
Magnesium	mg/l	16.2 ± 0.207	16.3 ± 1	0.648	101	0.05
Nitrate (as NO ₃)	mg/l	7.06 ± 0.16	7.16 ± 0.1	0.353	101	0.40
Nitrite (as NO ₂)	mg/l	0.202 ± 0.00286	0.204 ± 0.013	0.0107	101	0.09
Orthophosphate (as PO ₄)	mg/l	0.137 ± 0.00441	0.129 ± 0.01	0.0123	94.4	-0.38
pH-value	-	7.77 ± 0.027	7.75 ± 0.12	0.155	99.8	-0.07
Potassium	mg/l	2.28 ± 0.0331	2.1 ± 1	0.118	92.2	-0.09
Sodium	mg/l	17.7 ± 0.216	16.4 ± 3	0.602	92.6	-0.22
Sulfate (as SO ₄)	mg/l	31.2 ± 0.278	- ± -	1.03	-	-
Total-P (as PO ₄)	mg/l	1.48 ± 0.0285	- ± -	0.111	-	-
Total hardness	mmol/l	2.48 ± 0.0362	- ± -	0.0745	-	-
Total nitrogen	mg/l	1.76 ± 0.0577	- ± -	0.146	-	-

Sample: N150ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.85 ± 0.0645	1.6 ± 0.2	0.185	86.4	-0.62

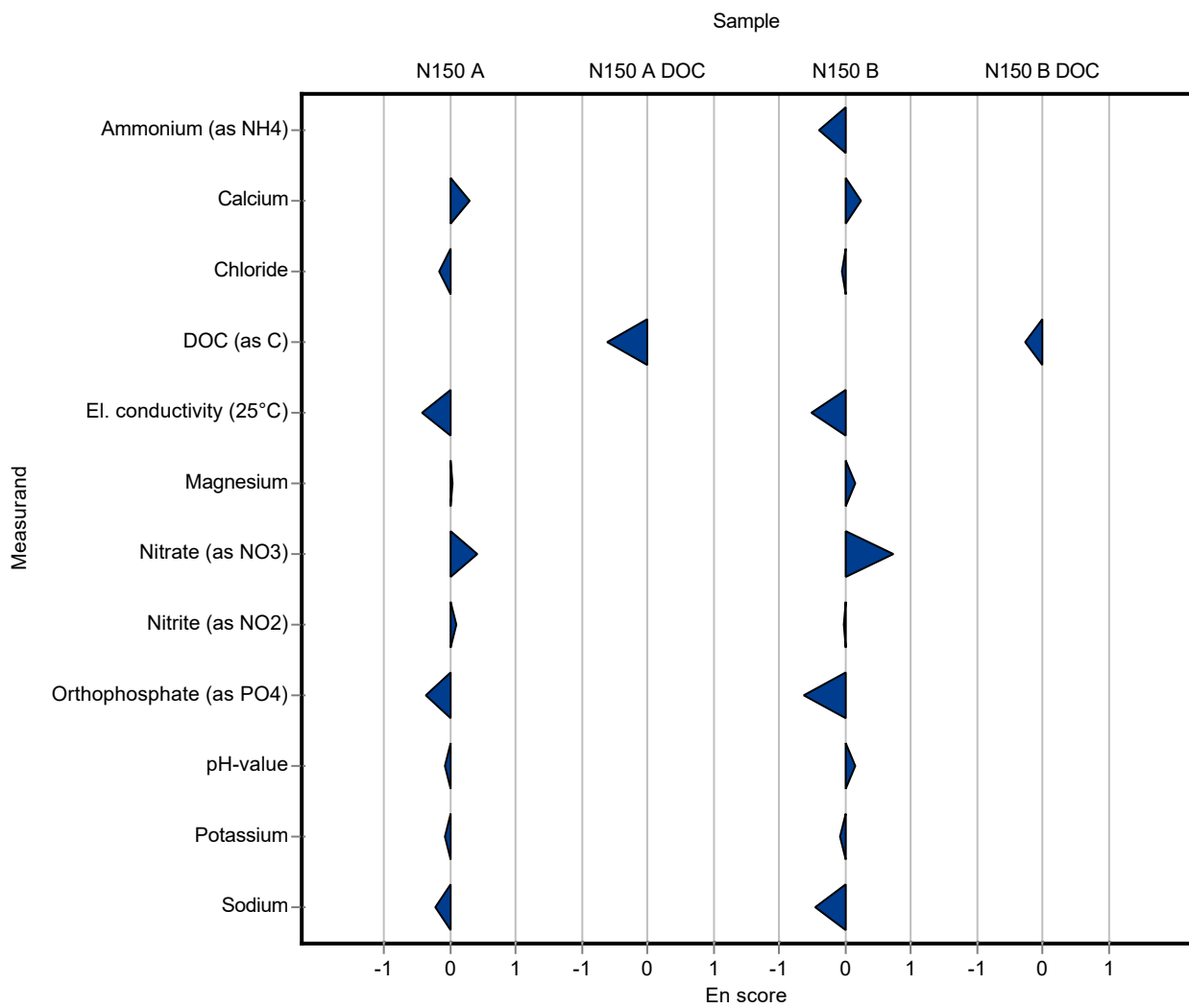
Sample: N150B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	2.74 ± 0.0137	- ± -	0.0547	-	-
Ammonium (as NH ₄)	mg/l	0.321 ± 0.00634	0.31 ± 0.013	0.0385	96.7	-0.40
Boron	mg/l	0.00948 ± 0.00044	- ± -	0.00104	-	-
Calcium	mg/l	48.2 ± 0.463	49 ± 1.68	1.5	102	0.23

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Chloride	mg/l	11.5 ± 0.13	11.4 ± 0.7	0.459	99.3	-0.05
El. conductivity (25°C)	µS/cm	350 ± 1.44	342 ± 8.4	4.56	97.6	-0.50
Hydrogen carbonate	mg/l	165 ± 1.09	- ± -	3.3	-	-
Magnesium	mg/l	10.9 ± 0.149	11.1 ± 0.68	0.435	102	0.16
Nitrate (as NO ₃)	mg/l	12 ± 0.174	12.3 ± 0.17	0.601	102	0.74
Nitrite (as NO ₂)	mg/l	0.221 ± 0.00316	0.22 ± 0.015	0.0117	99.6	-0.03
Orthophosphate (as PO ₄)	mg/l	0.166 ± 0.00363	0.152 ± 0.011	0.0149	91.6	-0.63
pH-value	-	7.74 ± 0.033	7.77 ± 0.12	0.155	100	0.14
Potassium	mg/l	1.24 ± 0.0282	1.15 ± 0.55	0.0644	92.8	-0.08
Sodium	mg/l	6.39 ± 0.087	5.5 ± 1	0.217	86	-0.45
Sulfate (as SO ₄)	mg/l	18.3 ± 0.193	- ± -	0.603	-	-
Total-P (as PO ₄)	mg/l	0.7 ± 0.0182	- ± -	0.0525	-	-
Total hardness	mmol/l	1.68 ± 0.022	- ± -	0.0504	-	-
Total nitrogen	mg/l	3.1 ± 0.101	- ± -	0.258	-	-

Sample: N150BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	2.45 ± 0.0593	2.34 ± 0.2	0.245	95.7	-0.26



Sample: N150A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	4.1 ± 0.0162	- ± -	0.0821	-	-
Ammonium (as NH ₄)	mg/l	0.0588 ± 0.0023	- ± -	0.00706	-	-
Boron	mg/l	0.0209 ± 0.000944	- ± -	0.0023	-	-
Calcium	mg/l	71.6 ± 0.691	- ± -	2.22	-	-
Chloride	mg/l	31 ± 0.209	- ± -	1.24	-	-
El. conductivity (25°C)	µS/cm	545 ± 2.62	558 ± 15	7.09	102	1.82
Hydrogen carbonate	mg/l	249 ± 1.82	- ± -	4.99	-	-
Magnesium	mg/l	16.2 ± 0.207	- ± -	0.648	-	-
Nitrate (as NO ₃)	mg/l	7.06 ± 0.16	- ± -	0.353	-	-
Nitrite (as NO ₂)	mg/l	0.202 ± 0.00286	- ± -	0.0107	-	-
Orthophosphate (as PO ₄)	mg/l	0.137 ± 0.00441	- ± -	0.0123	-	-
pH-value	-	7.77 ± 0.027	7.72 ± 0.2	0.155	99.4	-0.30
Potassium	mg/l	2.28 ± 0.0331	- ± -	0.118	-	-
Sodium	mg/l	17.7 ± 0.216	- ± -	0.602	-	-
Sulfate (as SO ₄)	mg/l	31.2 ± 0.278	- ± -	1.03	-	-
Total-P (as PO ₄)	mg/l	1.48 ± 0.0285	- ± -	0.111	-	-
Total hardness	mmol/l	2.48 ± 0.0362	- ± -	0.0745	-	-
Total nitrogen	mg/l	1.76 ± 0.0577	- ± -	0.146	-	-

Sample: N150ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.85 ± 0.0645	- ± -	0.185	-	-

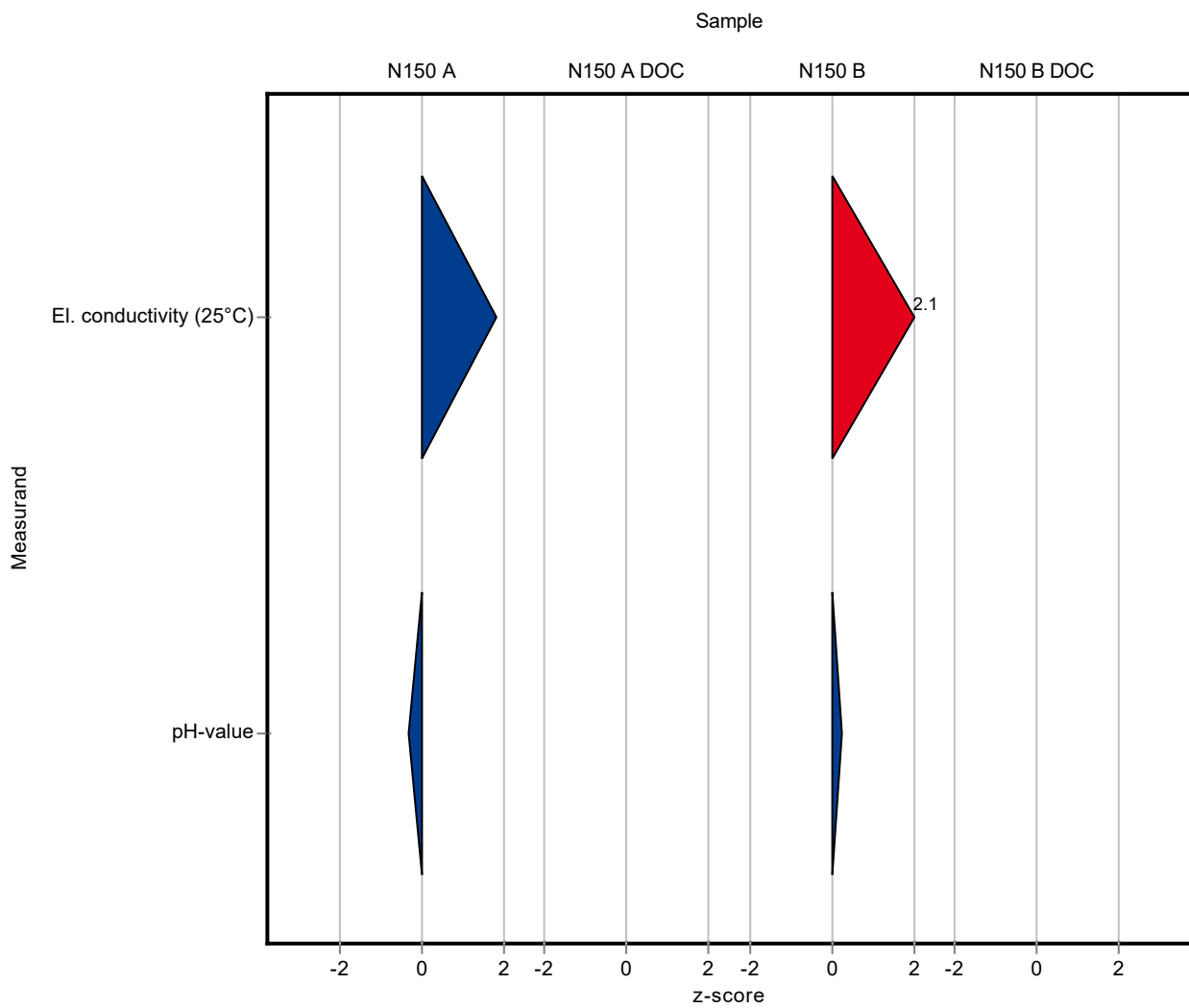
Sample: N150B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	2.74 ± 0.0137	- ± -	0.0547	-	-
Ammonium (as NH ₄)	mg/l	0.321 ± 0.00634	- ± -	0.0385	-	-
Boron	mg/l	0.00948 ± 0.00044	- ± -	0.00104	-	-
Calcium	mg/l	48.2 ± 0.463	- ± -	1.5	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Chloride	mg/l	11.5 ± 0.13	- ± -	0.459	-	-
El. conductivity (25°C)	µS/cm	350 ± 1.44	360 ± 12	4.56	103	2.09
Hydrogen carbonate	mg/l	165 ± 1.09	- ± -	3.3	-	-
Magnesium	mg/l	10.9 ± 0.149	- ± -	0.435	-	-
Nitrate (as NO ₃)	mg/l	12 ± 0.174	- ± -	0.601	-	-
Nitrite (as NO ₂)	mg/l	0.221 ± 0.00316	- ± -	0.0117	-	-
Orthophosphate (as PO ₄)	mg/l	0.166 ± 0.00363	- ± -	0.0149	-	-
pH-value	-	7.74 ± 0.033	7.77 ± 0.2	0.155	100	0.22
Potassium	mg/l	1.24 ± 0.0282	- ± -	0.0644	-	-
Sodium	mg/l	6.39 ± 0.087	- ± -	0.217	-	-
Sulfate (as SO ₄)	mg/l	18.3 ± 0.193	- ± -	0.603	-	-
Total-P (as PO ₄)	mg/l	0.7 ± 0.0182	- ± -	0.0525	-	-
Total hardness	mmol/l	1.68 ± 0.022	- ± -	0.0504	-	-
Total nitrogen	mg/l	3.1 ± 0.101	- ± -	0.258	-	-

Sample: N150BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.45 ± 0.0593	- ± -	0.245	-	-



Sample: N150A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	4.1 ± 0.0162	- ± -	0.0821	-	-
Ammonium (as NH4)	mg/l	0.0588 ± 0.0023	- ± -	0.00706	-	-
Boron	mg/l	0.0209 ± 0.000944	- ± -	0.0023	-	-
Calcium	mg/l	71.6 ± 0.691	- ± -	2.22	-	-
Chloride	mg/l	31 ± 0.209	- ± -	1.24	-	-
El. conductivity (25°C)	µS/cm	545 ± 2.62	558 ± 15	7.09	102	0.43
Hydrogen carbonate	mg/l	249 ± 1.82	- ± -	4.99	-	-
Magnesium	mg/l	16.2 ± 0.207	- ± -	0.648	-	-
Nitrate (as NO3)	mg/l	7.06 ± 0.16	- ± -	0.353	-	-
Nitrite (as NO2)	mg/l	0.202 ± 0.00286	- ± -	0.0107	-	-
Orthophosphate (as PO4)	mg/l	0.137 ± 0.00441	- ± -	0.0123	-	-
pH-value	-	7.77 ± 0.027	7.72 ± 0.2	0.155	99.4	-0.12
Potassium	mg/l	2.28 ± 0.0331	- ± -	0.118	-	-
Sodium	mg/l	17.7 ± 0.216	- ± -	0.602	-	-
Sulfate (as SO4)	mg/l	31.2 ± 0.278	- ± -	1.03	-	-
Total-P (as PO4)	mg/l	1.48 ± 0.0285	- ± -	0.111	-	-
Total hardness	mmol/l	2.48 ± 0.0362	- ± -	0.0745	-	-
Total nitrogen	mg/l	1.76 ± 0.0577	- ± -	0.146	-	-

Sample: N150ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.85 ± 0.0645	- ± -	0.185	-	-

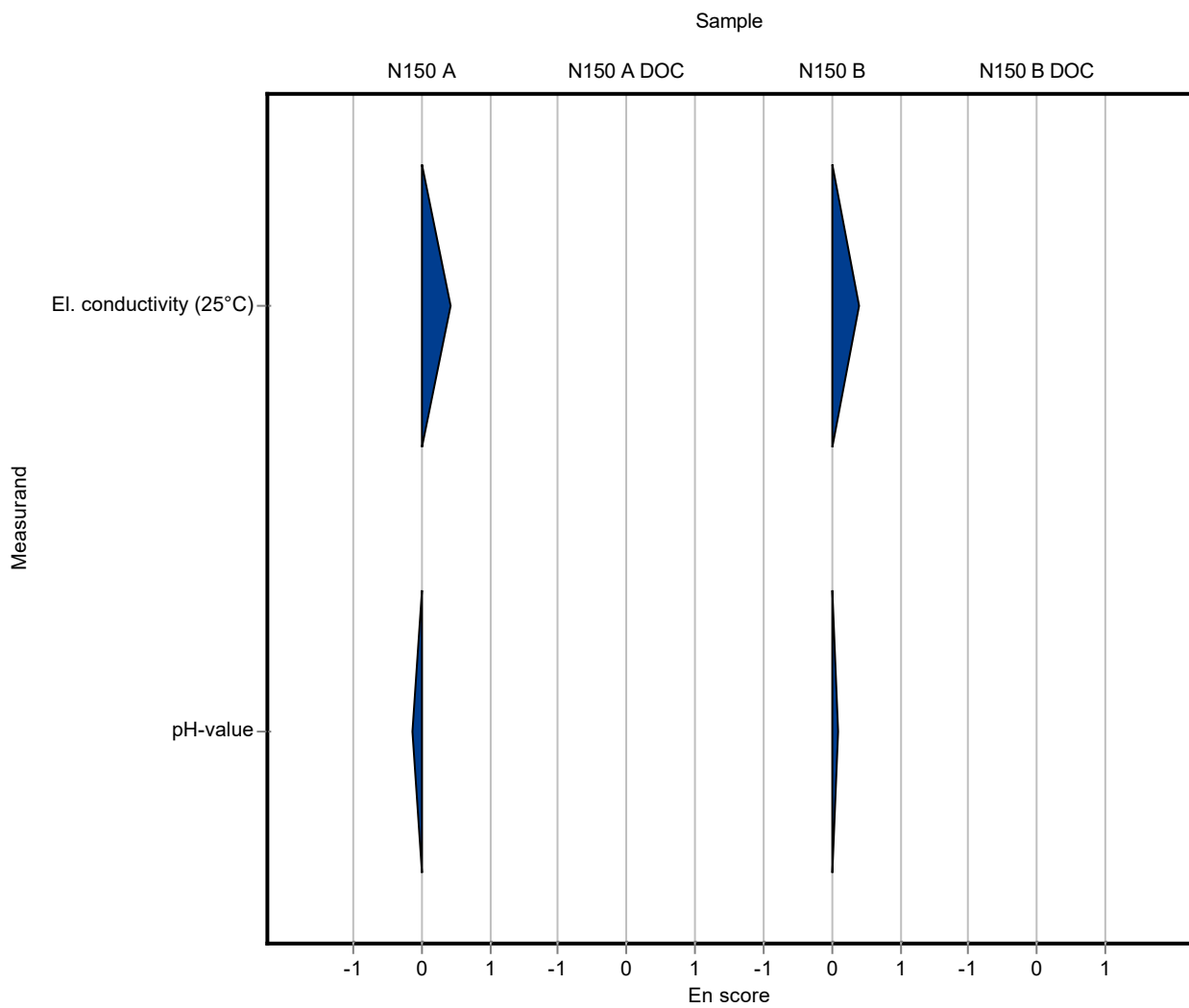
Sample: N150B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	2.74 ± 0.0137	- ± -	0.0547	-	-
Ammonium (as NH4)	mg/l	0.321 ± 0.00634	- ± -	0.0385	-	-
Boron	mg/l	0.00948 ± 0.00044	- ± -	0.00104	-	-
Calcium	mg/l	48.2 ± 0.463	- ± -	1.5	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Chloride	mg/l	11.5 ± 0.13	- ± -	0.459	-	-
El. conductivity (25°C)	µS/cm	350 ± 1.44	360 ± 12	4.56	103	0.40
Hydrogen carbonate	mg/l	165 ± 1.09	- ± -	3.3	-	-
Magnesium	mg/l	10.9 ± 0.149	- ± -	0.435	-	-
Nitrate (as NO ₃)	mg/l	12 ± 0.174	- ± -	0.601	-	-
Nitrite (as NO ₂)	mg/l	0.221 ± 0.00316	- ± -	0.0117	-	-
Orthophosphate (as PO ₄)	mg/l	0.166 ± 0.00363	- ± -	0.0149	-	-
pH-value	-	7.74 ± 0.033	7.77 ± 0.2	0.155	100	0.09
Potassium	mg/l	1.24 ± 0.0282	- ± -	0.0644	-	-
Sodium	mg/l	6.39 ± 0.087	- ± -	0.217	-	-
Sulfate (as SO ₄)	mg/l	18.3 ± 0.193	- ± -	0.603	-	-
Total-P (as PO ₄)	mg/l	0.7 ± 0.0182	- ± -	0.0525	-	-
Total hardness	mmol/l	1.68 ± 0.022	- ± -	0.0504	-	-
Total nitrogen	mg/l	3.1 ± 0.101	- ± -	0.258	-	-

Sample: N150BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	2.45 ± 0.0593	- ± -	0.245	-	-



Sample: N150A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	4.1 ± 0.0162	4.06 ± 0.4	0.0821	98.9	-0.54
Ammonium (as NH ₄)	mg/l	0.0588 ± 0.0023	0.141 ± 0.04	0.00706	240	11.60
Boron	mg/l	0.0209 ± 0.000944	0.02068 ± 0.0021	0.0023	98.7	-0.12
Calcium	mg/l	71.6 ± 0.691	72.99 ± 3.6276	2.22	102	0.61
Chloride	mg/l	31 ± 0.209	30.9 ± 2.7	1.24	99.7	-0.08
El. conductivity (25°C)	µS/cm	545 ± 2.62	535 ± 56.7	7.09	98.1	-1.43
Hydrogen carbonate	mg/l	249 ± 1.82	248 ± 24.8	4.99	99.4	-0.28
Magnesium	mg/l	16.2 ± 0.207	15.97 ± 0.7794	0.648	98.6	-0.36
Nitrate (as NO ₃)	mg/l	7.06 ± 0.16	7.54 ± 0.5	0.353	107	1.37
Nitrite (as NO ₂)	mg/l	0.202 ± 0.00286	0.208 ± 0.02	0.0107	103	0.59
Orthophosphate (as PO ₄)	mg/l	0.137 ± 0.00441	0.15 ± 0.02	0.0123	110	1.08
pH-value	-	7.77 ± 0.027	7.88 ± 0.22	0.155	101	0.73
Potassium	mg/l	2.28 ± 0.0331	2.234 ± 0.1113	0.118	98.1	-0.37
Sodium	mg/l	17.7 ± 0.216	17.67 ± 0.8817	0.602	99.8	-0.07
Sulfate (as SO ₄)	mg/l	31.2 ± 0.278	31.3 ± 2.9	1.03	100	0.10
Total-P (as PO ₄)	mg/l	1.48 ± 0.0285	1.54 ± 0.25	0.111	104	0.50
Total hardness	mmol/l	2.48 ± 0.0362	2.49 ± 0.2	0.0745	100	0.08
Total nitrogen	mg/l	1.76 ± 0.0577	1.72 ± 0.464	0.146	97.7	-0.28

Sample: N150ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.85 ± 0.0645	1.79 ± 0.0895	0.185	96.7	-0.33

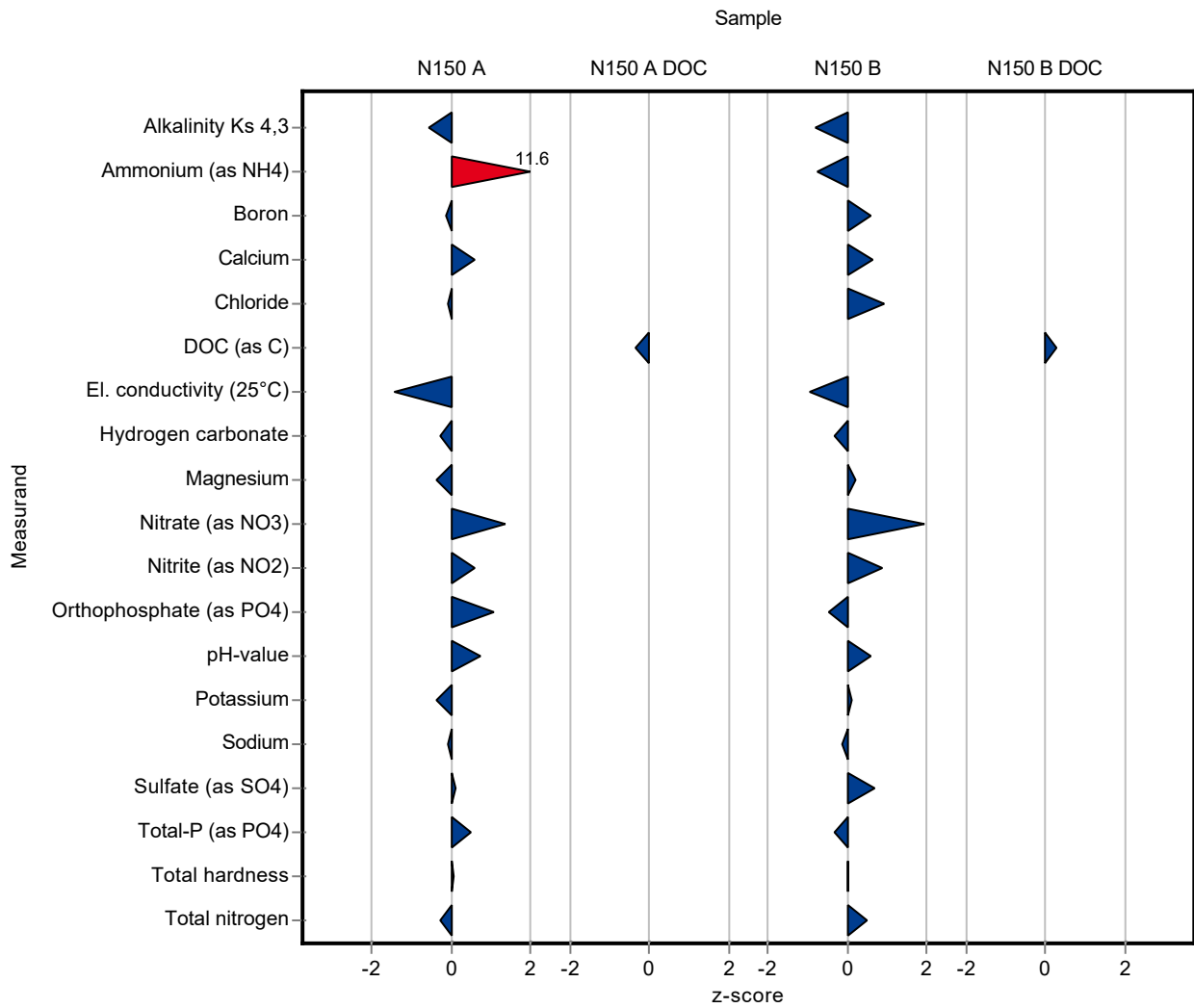
Sample: N150B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	2.74 ± 0.0137	2.69 ± 0.27	0.0547	98.4	-0.82
Ammonium (as NH ₄)	mg/l	0.321 ± 0.00634	0.292 ± 0.08	0.0385	91.1	-0.75
Boron	mg/l	0.00948 ± 0.00044	0.01009 ± 0.001	0.00104	106	0.58
Calcium	mg/l	48.2 ± 0.463	49.21 ± 2.446	1.5	102	0.65

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Chloride	mg/l	11.5 ± 0.13	11.9 ± 1	0.459	104	0.93
El. conductivity (25°C)	µS/cm	350 ± 1.44	346 ± 36.7	4.56	98.7	-0.98
Hydrogen carbonate	mg/l	165 ± 1.09	164 ± 16.4	3.3	99.4	-0.32
Magnesium	mg/l	10.9 ± 0.149	10.97 ± 0.5352	0.435	101	0.20
Nitrate (as NO ₃)	mg/l	12 ± 0.174	13.2 ± 0.9	0.601	110	1.97
Nitrite (as NO ₂)	mg/l	0.221 ± 0.00316	0.231 ± 0.03	0.0117	105	0.86
Orthophosphate (as PO ₄)	mg/l	0.166 ± 0.00363	0.159 ± 0.02	0.0149	95.8	-0.47
pH-value	-	7.74 ± 0.033	7.83 ± 0.22	0.155	101	0.61
Potassium	mg/l	1.24 ± 0.0282	1.245 ± 0.062	0.0644	100	0.09
Sodium	mg/l	6.39 ± 0.087	6.367 ± 0.3177	0.217	99.6	-0.12
Sulfate (as SO ₄)	mg/l	18.3 ± 0.193	18.7 ± 1.7	0.603	102	0.70
Total-P (as PO ₄)	mg/l	0.7 ± 0.0182	0.683 ± 0.1	0.0525	97.6	-0.33
Total hardness	mmol/l	1.68 ± 0.022	1.68 ± 0.2	0.0504	100	0.00
Total nitrogen	mg/l	3.1 ± 0.101	3.23 ± 0.872	0.258	104	0.49

Sample: N150BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.45 ± 0.0593	2.51 ± 0.126	0.245	103	0.26



Sample: N150A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	4.1 ± 0.0162	4.06 ± 0.4	0.0821	98.9	-0.06
Ammonium (as NH ₄)	mg/l	0.0588 ± 0.0023	0.141 ± 0.04	0.00706	240	1.03
Boron	mg/l	0.0209 ± 0.000944	0.02068 ± 0.0021	0.0023	98.7	-0.06
Calcium	mg/l	71.6 ± 0.691	72.99 ± 3.6276	2.22	102	0.19
Chloride	mg/l	31 ± 0.209	30.9 ± 2.7	1.24	99.7	-0.02
El. conductivity (25°C)	µS/cm	545 ± 2.62	535 ± 56.7	7.09	98.1	-0.09
Hydrogen carbonate	mg/l	249 ± 1.82	248 ± 24.8	4.99	99.4	-0.03
Magnesium	mg/l	16.2 ± 0.207	15.97 ± 0.7794	0.648	98.6	-0.15
Nitrate (as NO ₃)	mg/l	7.06 ± 0.16	7.54 ± 0.5	0.353	107	0.48
Nitrite (as NO ₂)	mg/l	0.202 ± 0.00286	0.208 ± 0.02	0.0107	103	0.16
Orthophosphate (as PO ₄)	mg/l	0.137 ± 0.00441	0.15 ± 0.02	0.0123	110	0.33
pH-value	-	7.77 ± 0.027	7.88 ± 0.22	0.155	101	0.26
Potassium	mg/l	2.28 ± 0.0331	2.234 ± 0.1113	0.118	98.1	-0.19
Sodium	mg/l	17.7 ± 0.216	17.67 ± 0.8817	0.602	99.8	-0.02
Sulfate (as SO ₄)	mg/l	31.2 ± 0.278	31.3 ± 2.9	1.03	100	0.02
Total-P (as PO ₄)	mg/l	1.48 ± 0.0285	1.54 ± 0.25	0.111	104	0.11
Total hardness	mmol/l	2.48 ± 0.0362	2.49 ± 0.2	0.0745	100	0.02
Total nitrogen	mg/l	1.76 ± 0.0577	1.72 ± 0.464	0.146	97.7	-0.04

Sample: N150ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.85 ± 0.0645	1.79 ± 0.0895	0.185	96.7	-0.32

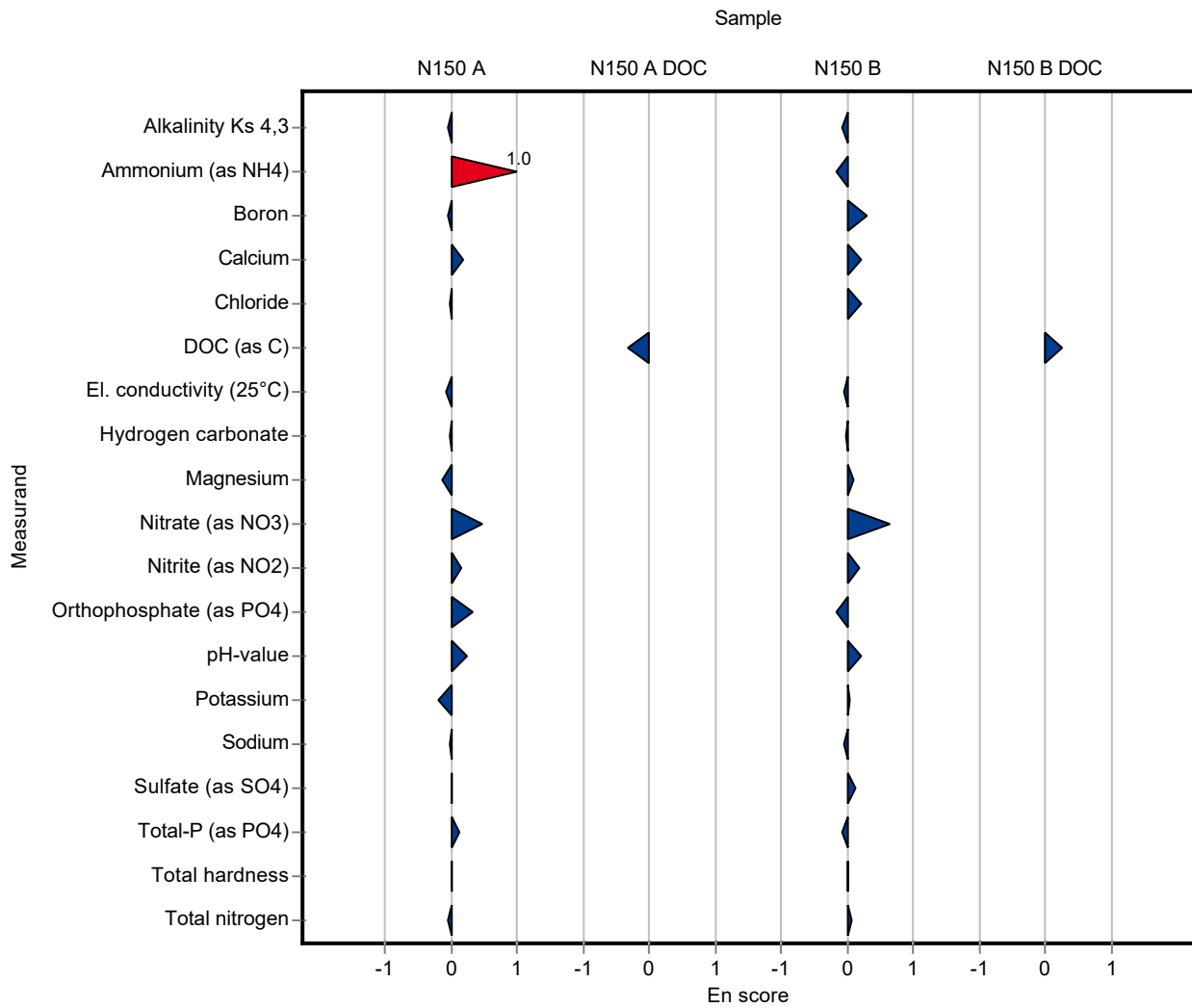
Sample: N150B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	2.74 ± 0.0137	2.69 ± 0.27	0.0547	98.4	-0.08
Ammonium (as NH ₄)	mg/l	0.321 ± 0.00634	0.292 ± 0.08	0.0385	91.1	-0.18
Boron	mg/l	0.00948 ± 0.00044	0.01009 ± 0.001	0.00104	106	0.30
Calcium	mg/l	48.2 ± 0.463	49.21 ± 2.446	1.5	102	0.20

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Chloride	mg/l	11.5 ± 0.13	11.9 ± 1	0.459	104	0.21
El. conductivity (25°C)	µS/cm	350 ± 1.44	346 ± 36.7	4.56	98.7	-0.06
Hydrogen carbonate	mg/l	165 ± 1.09	164 ± 16.4	3.3	99.4	-0.03
Magnesium	mg/l	10.9 ± 0.149	10.97 ± 0.5352	0.435	101	0.08
Nitrate (as NO ₃)	mg/l	12 ± 0.174	13.2 ± 0.9	0.601	110	0.65
Nitrite (as NO ₂)	mg/l	0.221 ± 0.00316	0.231 ± 0.03	0.0117	105	0.17
Orthophosphate (as PO ₄)	mg/l	0.166 ± 0.00363	0.159 ± 0.02	0.0149	95.8	-0.17
pH-value	-	7.74 ± 0.033	7.83 ± 0.22	0.155	101	0.21
Potassium	mg/l	1.24 ± 0.0282	1.245 ± 0.062	0.0644	100	0.05
Sodium	mg/l	6.39 ± 0.087	6.367 ± 0.3177	0.217	99.6	-0.04
Sulfate (as SO ₄)	mg/l	18.3 ± 0.193	18.7 ± 1.7	0.603	102	0.12
Total-P (as PO ₄)	mg/l	0.7 ± 0.0182	0.683 ± 0.1	0.0525	97.6	-0.09
Total hardness	mmol/l	1.68 ± 0.022	1.68 ± 0.2	0.0504	100	0.00
Total nitrogen	mg/l	3.1 ± 0.101	3.23 ± 0.872	0.258	104	0.07

Sample: N150BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	2.45 ± 0.0593	2.51 ± 0.126	0.245	103	0.25



Sample: N150A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	4.1 ± 0.0162	- ± -	0.0821	-	-
Ammonium (as NH ₄)	mg/l	0.0588 ± 0.0023	- ± -	0.00706	-	-
Boron	mg/l	0.0209 ± 0.000944	- ± -	0.0023	-	-
Calcium	mg/l	71.6 ± 0.691	- ± -	2.22	-	-
Chloride	mg/l	31 ± 0.209	- ± -	1.24	-	-
El. conductivity (25°C)	µS/cm	545 ± 2.62	- ± -	7.09	-	-
Hydrogen carbonate	mg/l	249 ± 1.82	- ± -	4.99	-	-
Magnesium	mg/l	16.2 ± 0.207	- ± -	0.648	-	-
Nitrate (as NO ₃)	mg/l	7.06 ± 0.16	- ± -	0.353	-	-
Nitrite (as NO ₂)	mg/l	0.202 ± 0.00286	- ± -	0.0107	-	-
Orthophosphate (as PO ₄)	mg/l	0.137 ± 0.00441	- ± -	0.0123	-	-
pH-value	-	7.77 ± 0.027	- ± -	0.155	-	-
Potassium	mg/l	2.28 ± 0.0331	- ± -	0.118	-	-
Sodium	mg/l	17.7 ± 0.216	- ± -	0.602	-	-
Sulfate (as SO ₄)	mg/l	31.2 ± 0.278	- ± -	1.03	-	-
Total-P (as PO ₄)	mg/l	1.48 ± 0.0285	- ± -	0.111	-	-
Total hardness	mmol/l	2.48 ± 0.0362	- ± -	0.0745	-	-
Total nitrogen	mg/l	1.76 ± 0.0577	- ± -	0.146	-	-

Sample: N150ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.85 ± 0.0645	- ± -	0.185	-	-

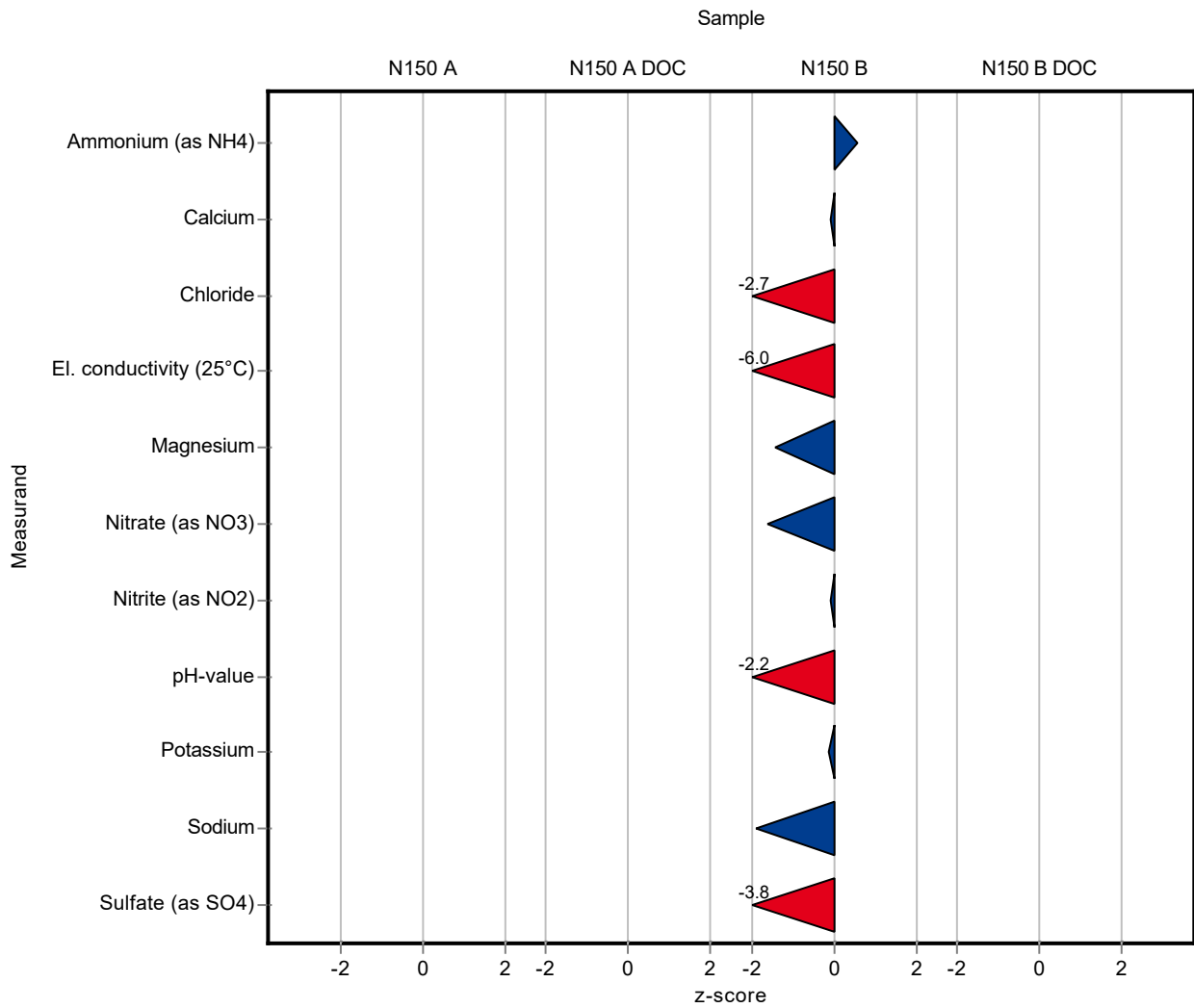
Sample: N150B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	2.74 ± 0.0137	- ± -	0.0547	-	-
Ammonium (as NH ₄)	mg/l	0.321 ± 0.00634	0.342 ± 0.049	0.0385	107	0.55
Boron	mg/l	0.00948 ± 0.00044	- ± -	0.00104	-	-
Calcium	mg/l	48.2 ± 0.463	48.12 ± 4.81	1.5	99.8	-0.08

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Chloride	mg/l	11.5 ± 0.13	10.22 ± 1.02	0.459	89.1	-2.74
El. conductivity (25°C)	µS/cm	350 ± 1.44	323 ± 10	4.56	92.2	-6.03
Hydrogen carbonate	mg/l	165 ± 1.09	- ± -	3.3	-	-
Magnesium	mg/l	10.9 ± 0.149	10.26 ± 1.03	0.435	94.3	-1.43
Nitrate (as NO ₃)	mg/l	12 ± 0.174	11.06 ± 1.11	0.601	92	-1.59
Nitrite (as NO ₂)	mg/l	0.221 ± 0.00316	0.22 ± 0.01	0.0117	99.6	-0.08
Orthophosphate (as PO ₄)	mg/l	0.166 ± 0.00363	<0.25 (LOQ) ± -	0.0149	-	-
pH-value	-	7.74 ± 0.033	7.4 ± 0.7	0.155	95.7	-2.17
Potassium	mg/l	1.24 ± 0.0282	1.23 ± 0.17	0.0644	99.3	-0.14
Sodium	mg/l	6.39 ± 0.087	5.98 ± 0.83	0.217	93.6	-1.90
Sulfate (as SO ₄)	mg/l	18.3 ± 0.193	16.01 ± 1.6	0.603	87.6	-3.76
Total-P (as PO ₄)	mg/l	0.7 ± 0.0182	- ± -	0.0525	-	-
Total hardness	mmol/l	1.68 ± 0.022	- ± -	0.0504	-	-
Total nitrogen	mg/l	3.1 ± 0.101	- ± -	0.258	-	-

Sample: N150BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.45 ± 0.0593	- ± -	0.245	-	-



Sample: N150A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	4.1 ± 0.0162	- ± -	0.0821	-	-
Ammonium (as NH ₄)	mg/l	0.0588 ± 0.0023	- ± -	0.00706	-	-
Boron	mg/l	0.0209 ± 0.000944	- ± -	0.0023	-	-
Calcium	mg/l	71.6 ± 0.691	- ± -	2.22	-	-
Chloride	mg/l	31 ± 0.209	- ± -	1.24	-	-
El. conductivity (25°C)	µS/cm	545 ± 2.62	- ± -	7.09	-	-
Hydrogen carbonate	mg/l	249 ± 1.82	- ± -	4.99	-	-
Magnesium	mg/l	16.2 ± 0.207	- ± -	0.648	-	-
Nitrate (as NO ₃)	mg/l	7.06 ± 0.16	- ± -	0.353	-	-
Nitrite (as NO ₂)	mg/l	0.202 ± 0.00286	- ± -	0.0107	-	-
Orthophosphate (as PO ₄)	mg/l	0.137 ± 0.00441	- ± -	0.0123	-	-
pH-value	-	7.77 ± 0.027	- ± -	0.155	-	-
Potassium	mg/l	2.28 ± 0.0331	- ± -	0.118	-	-
Sodium	mg/l	17.7 ± 0.216	- ± -	0.602	-	-
Sulfate (as SO ₄)	mg/l	31.2 ± 0.278	- ± -	1.03	-	-
Total-P (as PO ₄)	mg/l	1.48 ± 0.0285	- ± -	0.111	-	-
Total hardness	mmol/l	2.48 ± 0.0362	- ± -	0.0745	-	-
Total nitrogen	mg/l	1.76 ± 0.0577	- ± -	0.146	-	-

Sample: N150ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.85 ± 0.0645	- ± -	0.185	-	-

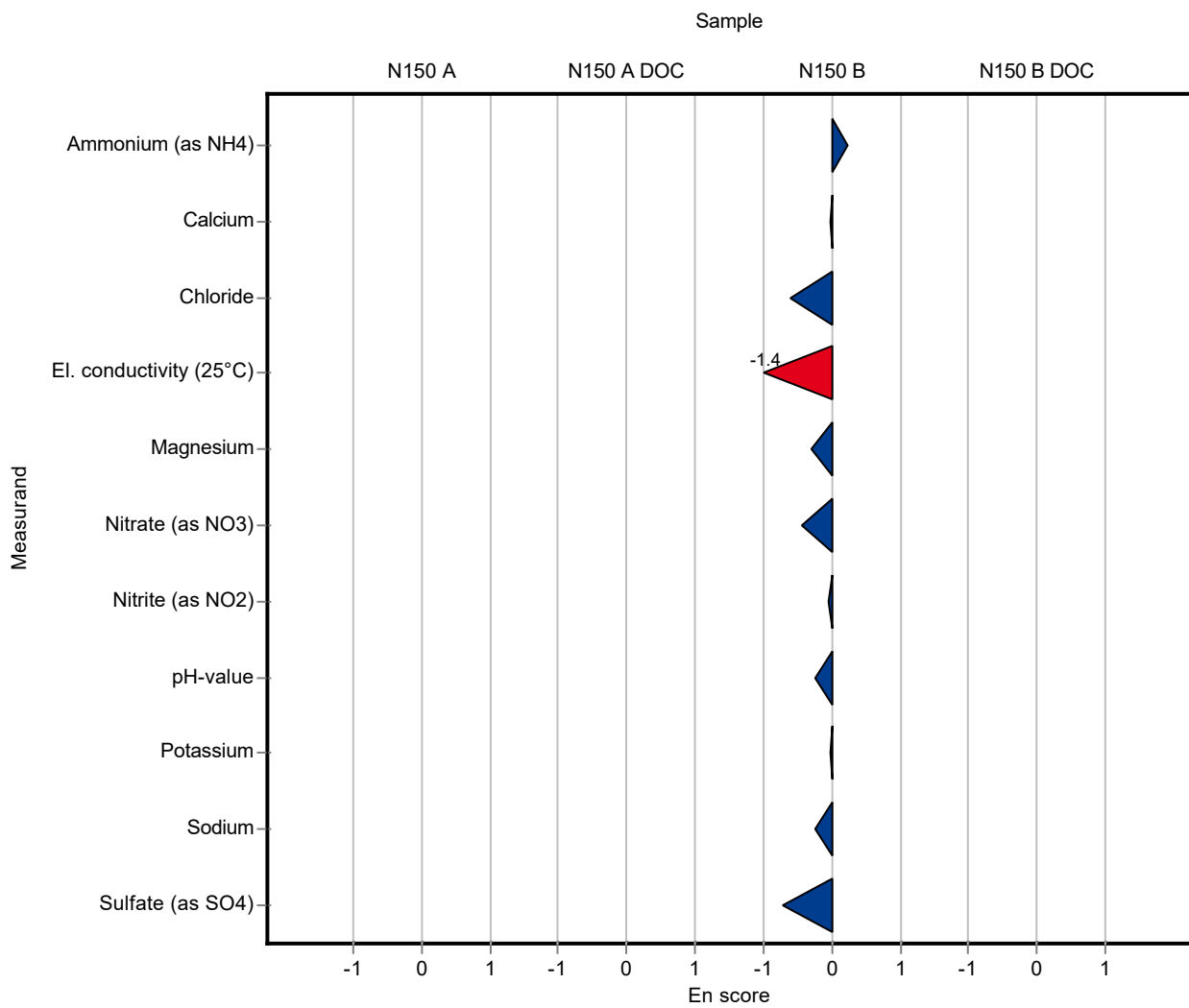
Sample: N150B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	2.74 ± 0.0137	- ± -	0.0547	-	-
Ammonium (as NH ₄)	mg/l	0.321 ± 0.00634	0.342 ± 0.049	0.0385	107	0.22
Boron	mg/l	0.00948 ± 0.00044	- ± -	0.00104	-	-
Calcium	mg/l	48.2 ± 0.463	48.12 ± 4.81	1.5	99.8	-0.01

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Chloride	mg/l	11.5 ± 0.13	10.22 ± 1.02	0.459	89.1	-0.61
El. conductivity (25°C)	µS/cm	350 ± 1.44	323 ± 10	4.56	92.2	-1.37
Hydrogen carbonate	mg/l	165 ± 1.09	- ± -	3.3	-	-
Magnesium	mg/l	10.9 ± 0.149	10.26 ± 1.03	0.435	94.3	-0.30
Nitrate (as NO ₃)	mg/l	12 ± 0.174	11.06 ± 1.11	0.601	92	-0.43
Nitrite (as NO ₂)	mg/l	0.221 ± 0.00316	0.22 ± 0.01	0.0117	99.6	-0.04
Orthophosphate (as PO ₄)	mg/l	0.166 ± 0.00363	<0.25 (LOQ) ± -	0.0149	-	-
pH-value	-	7.74 ± 0.033	7.4 ± 0.7	0.155	95.7	-0.24
Potassium	mg/l	1.24 ± 0.0282	1.23 ± 0.17	0.0644	99.3	-0.03
Sodium	mg/l	6.39 ± 0.087	5.98 ± 0.83	0.217	93.6	-0.25
Sulfate (as SO ₄)	mg/l	18.3 ± 0.193	16.01 ± 1.6	0.603	87.6	-0.71
Total-P (as PO ₄)	mg/l	0.7 ± 0.0182	- ± -	0.0525	-	-
Total hardness	mmol/l	1.68 ± 0.022	- ± -	0.0504	-	-
Total nitrogen	mg/l	3.1 ± 0.101	- ± -	0.258	-	-

Sample: N150BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	2.45 ± 0.0593	- ± -	0.245	-	-



Sample: N150A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	4.1 ± 0.0162	- ± -	0.0821	-	-
Ammonium (as NH ₄)	mg/l	0.0588 ± 0.0023	- ± -	0.00706	-	-
Boron	mg/l	0.0209 ± 0.000944	- ± -	0.0023	-	-
Calcium	mg/l	71.6 ± 0.691	- ± -	2.22	-	-
Chloride	mg/l	31 ± 0.209	31.87 ± 1.12	1.24	103	0.70
El. conductivity (25°C)	µS/cm	545 ± 2.62	- ± -	7.09	-	-
Hydrogen carbonate	mg/l	249 ± 1.82	- ± -	4.99	-	-
Magnesium	mg/l	16.2 ± 0.207	- ± -	0.648	-	-
Nitrate (as NO ₃)	mg/l	7.06 ± 0.16	5.99 ± 0.19	0.353	84.9	-3.02
Nitrite (as NO ₂)	mg/l	0.202 ± 0.00286	0.201 ± 0.008	0.0107	99.7	-0.06
Orthophosphate (as PO ₄)	mg/l	0.137 ± 0.00441	- ± -	0.0123	-	-
pH-value	-	7.77 ± 0.027	- ± -	0.155	-	-
Potassium	mg/l	2.28 ± 0.0331	- ± -	0.118	-	-
Sodium	mg/l	17.7 ± 0.216	- ± -	0.602	-	-
Sulfate (as SO ₄)	mg/l	31.2 ± 0.278	31.72 ± 2.68	1.03	102	0.51
Total-P (as PO ₄)	mg/l	1.48 ± 0.0285	- ± -	0.111	-	-
Total hardness	mmol/l	2.48 ± 0.0362	- ± -	0.0745	-	-
Total nitrogen	mg/l	1.76 ± 0.0577	- ± -	0.146	-	-

Sample: N150ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.85 ± 0.0645	2.53 ± 0.3	0.185	137	3.67

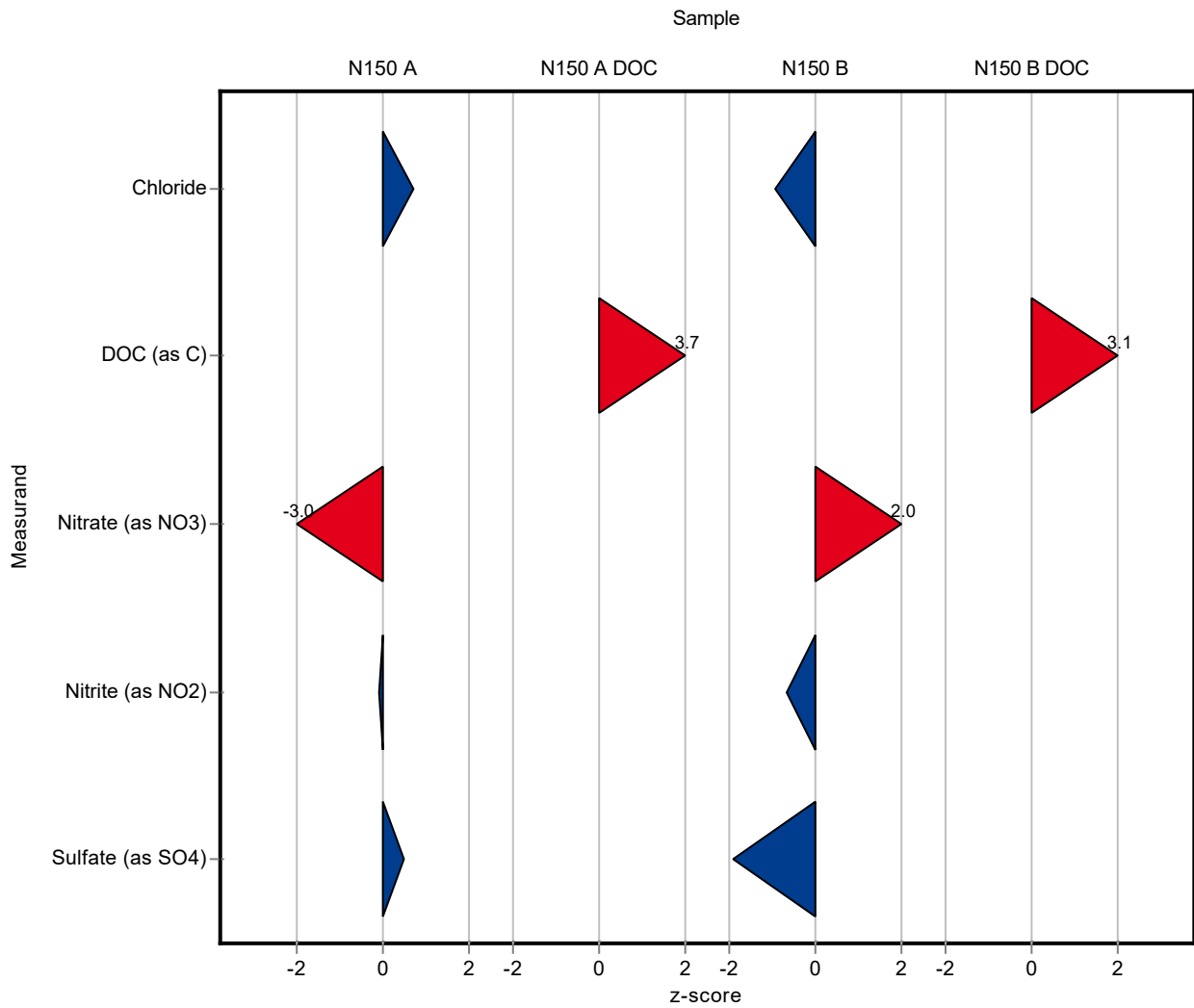
Sample: N150B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	2.74 ± 0.0137	- ± -	0.0547	-	-
Ammonium (as NH ₄)	mg/l	0.321 ± 0.00634	- ± -	0.0385	-	-
Boron	mg/l	0.00948 ± 0.00044	- ± -	0.00104	-	-
Calcium	mg/l	48.2 ± 0.463	- ± -	1.5	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Chloride	mg/l	11.5 ± 0.13	11.04 ± 0.39	0.459	96.2	-0.95
El. conductivity (25°C)	µS/cm	350 ± 1.44	- ± -	4.56	-	-
Hydrogen carbonate	mg/l	165 ± 1.09	- ± -	3.3	-	-
Magnesium	mg/l	10.9 ± 0.149	- ± -	0.435	-	-
Nitrate (as NO ₃)	mg/l	12 ± 0.174	13.25 ± 0.42	0.601	110	2.05
Nitrite (as NO ₂)	mg/l	0.221 ± 0.00316	0.213 ± 0.009	0.0117	96.4	-0.67
Orthophosphate (as PO ₄)	mg/l	0.166 ± 0.00363	- ± -	0.0149	-	-
pH-value	-	7.74 ± 0.033	- ± -	0.155	-	-
Potassium	mg/l	1.24 ± 0.0282	- ± -	0.0644	-	-
Sodium	mg/l	6.39 ± 0.087	- ± -	0.217	-	-
Sulfate (as SO ₄)	mg/l	18.3 ± 0.193	17.13 ± 1.45	0.603	93.7	-1.90
Total-P (as PO ₄)	mg/l	0.7 ± 0.0182	- ± -	0.0525	-	-
Total hardness	mmol/l	1.68 ± 0.022	- ± -	0.0504	-	-
Total nitrogen	mg/l	3.1 ± 0.101	- ± -	0.258	-	-

Sample: N150BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.45 ± 0.0593	3.21 ± 0.39	0.245	131	3.12



Sample: N150A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	4.1 ± 0.0162	- ± -	0.0821	-	-
Ammonium (as NH ₄)	mg/l	0.0588 ± 0.0023	- ± -	0.00706	-	-
Boron	mg/l	0.0209 ± 0.000944	- ± -	0.0023	-	-
Calcium	mg/l	71.6 ± 0.691	- ± -	2.22	-	-
Chloride	mg/l	31 ± 0.209	31.87 ± 1.12	1.24	103	0.39
El. conductivity (25°C)	µS/cm	545 ± 2.62	- ± -	7.09	-	-
Hydrogen carbonate	mg/l	249 ± 1.82	- ± -	4.99	-	-
Magnesium	mg/l	16.2 ± 0.207	- ± -	0.648	-	-
Nitrate (as NO ₃)	mg/l	7.06 ± 0.16	5.99 ± 0.19	0.353	84.9	-2.59
Nitrite (as NO ₂)	mg/l	0.202 ± 0.00286	0.201 ± 0.008	0.0107	99.7	-0.04
Orthophosphate (as PO ₄)	mg/l	0.137 ± 0.00441	- ± -	0.0123	-	-
pH-value	-	7.77 ± 0.027	- ± -	0.155	-	-
Potassium	mg/l	2.28 ± 0.0331	- ± -	0.118	-	-
Sodium	mg/l	17.7 ± 0.216	- ± -	0.602	-	-
Sulfate (as SO ₄)	mg/l	31.2 ± 0.278	31.72 ± 2.68	1.03	102	0.10
Total-P (as PO ₄)	mg/l	1.48 ± 0.0285	- ± -	0.111	-	-
Total hardness	mmol/l	2.48 ± 0.0362	- ± -	0.0745	-	-
Total nitrogen	mg/l	1.76 ± 0.0577	- ± -	0.146	-	-

Sample: N150ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.85 ± 0.0645	2.53 ± 0.3	0.185	137	1.12

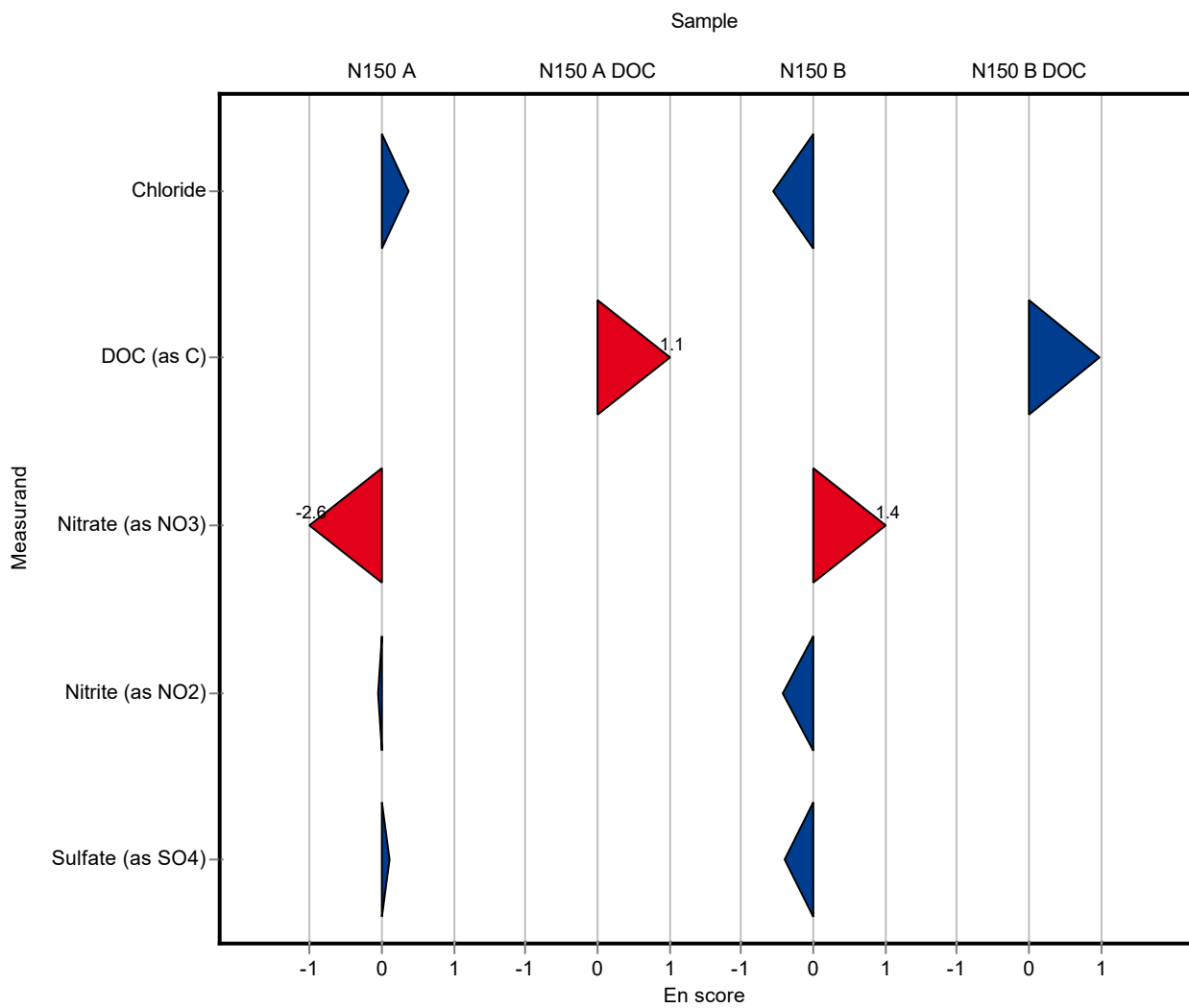
Sample: N150B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	2.74 ± 0.0137	- ± -	0.0547	-	-
Ammonium (as NH ₄)	mg/l	0.321 ± 0.00634	- ± -	0.0385	-	-
Boron	mg/l	0.00948 ± 0.00044	- ± -	0.00104	-	-
Calcium	mg/l	48.2 ± 0.463	- ± -	1.5	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Chloride	mg/l	11.5 ± 0.13	11.04 ± 0.39	0.459	96.2	-0.55
El. conductivity (25°C)	µS/cm	350 ± 1.44	- ± -	4.56	-	-
Hydrogen carbonate	mg/l	165 ± 1.09	- ± -	3.3	-	-
Magnesium	mg/l	10.9 ± 0.149	- ± -	0.435	-	-
Nitrate (as NO ₃)	mg/l	12 ± 0.174	13.25 ± 0.42	0.601	110	1.44
Nitrite (as NO ₂)	mg/l	0.221 ± 0.00316	0.213 ± 0.009	0.0117	96.4	-0.43
Orthophosphate (as PO ₄)	mg/l	0.166 ± 0.00363	- ± -	0.0149	-	-
pH-value	-	7.74 ± 0.033	- ± -	0.155	-	-
Potassium	mg/l	1.24 ± 0.0282	- ± -	0.0644	-	-
Sodium	mg/l	6.39 ± 0.087	- ± -	0.217	-	-
Sulfate (as SO ₄)	mg/l	18.3 ± 0.193	17.13 ± 1.45	0.603	93.7	-0.40
Total-P (as PO ₄)	mg/l	0.7 ± 0.0182	- ± -	0.0525	-	-
Total hardness	mmol/l	1.68 ± 0.022	- ± -	0.0504	-	-
Total nitrogen	mg/l	3.1 ± 0.101	- ± -	0.258	-	-

Sample: N150BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	2.45 ± 0.0593	3.21 ± 0.39	0.245	131	0.98



Sample: N150A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	4.1 ± 0.0162	4.1 ± 0.01	0.0821	99.9	-0.05
Ammonium (as NH ₄)	mg/l	0.0588 ± 0.0023	- ± -	0.00706	-	-
Boron	mg/l	0.0209 ± 0.000944	0.02 ± 0.001	0.0023	95.5	-0.41
Calcium	mg/l	71.6 ± 0.691	70.7 ± 0.9	2.22	98.7	-0.42
Chloride	mg/l	31 ± 0.209	31.7 ± 0.1	1.24	102	0.56
El. conductivity (25°C)	µS/cm	545 ± 2.62	557 ± 3	7.09	102	1.68
Hydrogen carbonate	mg/l	249 ± 1.82	- ± -	4.99	-	-
Magnesium	mg/l	16.2 ± 0.207	16.6 ± 0.7	0.648	102	0.61
Nitrate (as NO ₃)	mg/l	7.06 ± 0.16	7.5 ± 0.04	0.353	106	1.26
Nitrite (as NO ₂)	mg/l	0.202 ± 0.00286	0.22 ± 0.004	0.0107	109	1.72
Orthophosphate (as PO ₄)	mg/l	0.137 ± 0.00441	0.17 ± 0.01	0.0123	124	2.71
pH-value	-	7.77 ± 0.027	8 ± 0.1	0.155	103	1.50
Potassium	mg/l	2.28 ± 0.0331	2.43 ± 0.16	0.118	107	1.29
Sodium	mg/l	17.7 ± 0.216	18 ± 0.4	0.602	102	0.48
Sulfate (as SO ₄)	mg/l	31.2 ± 0.278	33.1 ± 0.1	1.03	106	1.85
Total-P (as PO ₄)	mg/l	1.48 ± 0.0285	1.92 ± 0.02	0.111	129	3.92
Total hardness	mmol/l	2.48 ± 0.0362	2.63 ± 0.05	0.0745	106	1.96
Total nitrogen	mg/l	1.76 ± 0.0577	- ± -	0.146	-	-

Sample: N150ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.85 ± 0.0645	1.99 ± 0.04	0.185	107	0.75

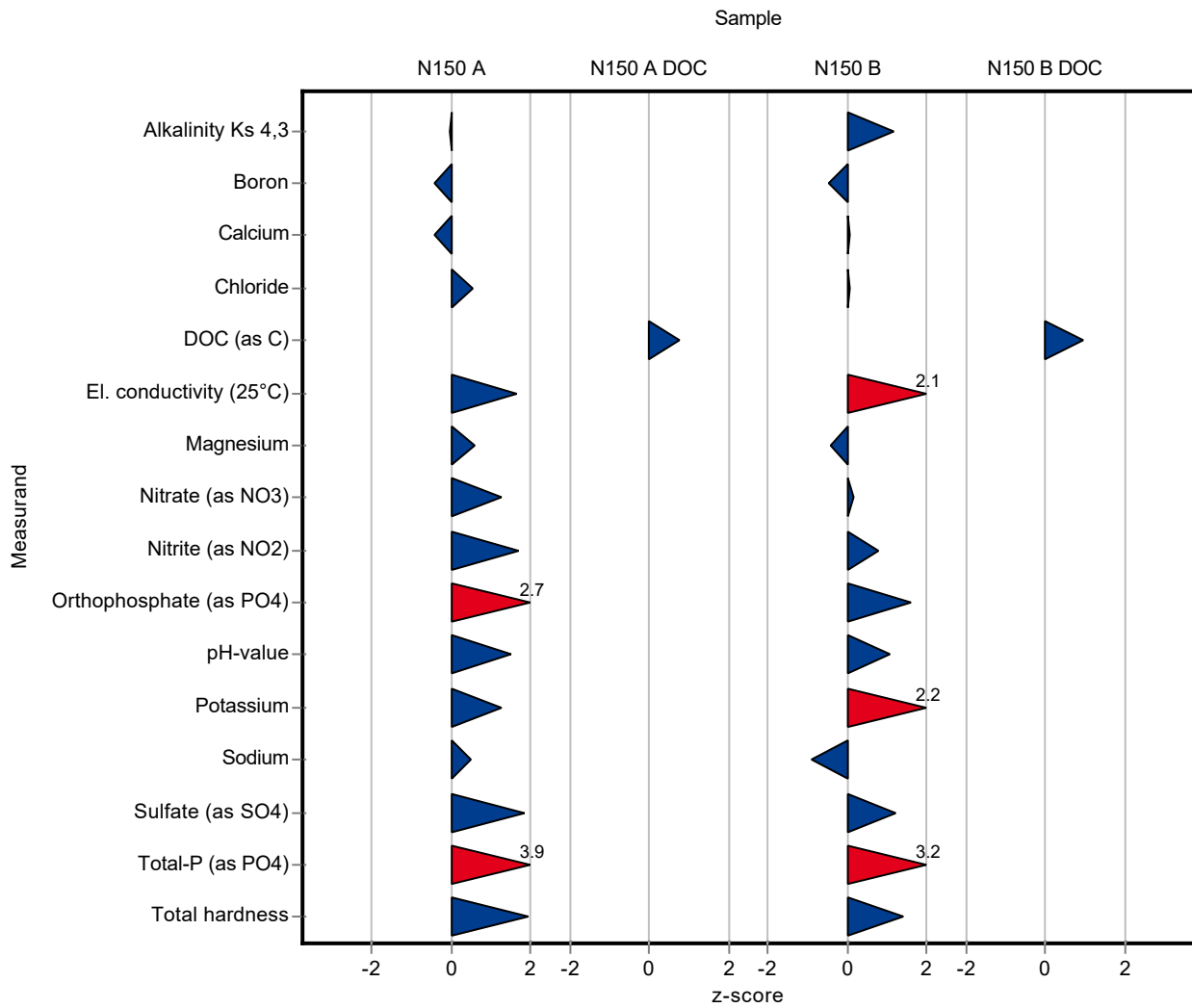
Sample: N150B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	2.74 ± 0.0137	2.8 ± 0.13	0.0547	102	1.19
Ammonium (as NH ₄)	mg/l	0.321 ± 0.00634	- ± -	0.0385	-	-
Boron	mg/l	0.00948 ± 0.00044	0.009 ± 0.0001	0.00104	94.9	-0.46
Calcium	mg/l	48.2 ± 0.463	48.3 ± 1.9	1.5	100	0.04

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Chloride	mg/l	11.5 ± 0.13	11.5 ± 0.1	0.459	100	0.05
El. conductivity (25°C)	µS/cm	350 ± 1.44	360 ± 5	4.56	103	2.09
Hydrogen carbonate	mg/l	165 ± 1.09	- ± -	3.3	-	-
Magnesium	mg/l	10.9 ± 0.149	10.7 ± 0.1	0.435	98.3	-0.42
Nitrate (as NO ₃)	mg/l	12 ± 0.174	12.1 ± 0.1	0.601	101	0.14
Nitrite (as NO ₂)	mg/l	0.221 ± 0.00316	0.23 ± 0.004	0.0117	104	0.78
Orthophosphate (as PO ₄)	mg/l	0.166 ± 0.00363	0.19 ± 0.01	0.0149	114	1.61
pH-value	-	7.74 ± 0.033	7.9 ± 0.1	0.155	102	1.06
Potassium	mg/l	1.24 ± 0.0282	1.38 ± 0.02	0.0644	111	2.19
Sodium	mg/l	6.39 ± 0.087	6.2 ± 0.1	0.217	97	-0.89
Sulfate (as SO ₄)	mg/l	18.3 ± 0.193	19 ± 0.1	0.603	104	1.20
Total-P (as PO ₄)	mg/l	0.7 ± 0.0182	0.87 ± 0.03	0.0525	124	3.24
Total hardness	mmol/l	1.68 ± 0.022	1.75 ± 0.06	0.0504	104	1.39
Total nitrogen	mg/l	3.1 ± 0.101	- ± -	0.258	-	-

Sample: N150BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.45 ± 0.0593	2.68 ± 0.037	0.245	110	0.96



Sample: N150A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	4.1 ± 0.0162	4.1 ± 0.01	0.0821	99.9	-0.17
Ammonium (as NH ₄)	mg/l	0.0588 ± 0.0023	- ± -	0.00706	-	-
Boron	mg/l	0.0209 ± 0.000944	0.02 ± 0.001	0.0023	95.5	-0.43
Calcium	mg/l	71.6 ± 0.691	70.7 ± 0.9	2.22	98.7	-0.48
Chloride	mg/l	31 ± 0.209	31.7 ± 0.1	1.24	102	2.41
El. conductivity (25°C)	µS/cm	545 ± 2.62	557 ± 3	7.09	102	1.82
Hydrogen carbonate	mg/l	249 ± 1.82	- ± -	4.99	-	-
Magnesium	mg/l	16.2 ± 0.207	16.6 ± 0.7	0.648	102	0.28
Nitrate (as NO ₃)	mg/l	7.06 ± 0.16	7.5 ± 0.04	0.353	106	2.47
Nitrite (as NO ₂)	mg/l	0.202 ± 0.00286	0.22 ± 0.004	0.0107	109	2.16
Orthophosphate (as PO ₄)	mg/l	0.137 ± 0.00441	0.17 ± 0.01	0.0123	124	1.63
pH-value	-	7.77 ± 0.027	8 ± 0.1	0.155	103	1.15
Potassium	mg/l	2.28 ± 0.0331	2.43 ± 0.16	0.118	107	0.47
Sodium	mg/l	17.7 ± 0.216	18 ± 0.4	0.602	102	0.35
Sulfate (as SO ₄)	mg/l	31.2 ± 0.278	33.1 ± 0.1	1.03	106	5.55
Total-P (as PO ₄)	mg/l	1.48 ± 0.0285	1.92 ± 0.02	0.111	129	8.88
Total hardness	mmol/l	2.48 ± 0.0362	2.63 ± 0.05	0.0745	106	1.37
Total nitrogen	mg/l	1.76 ± 0.0577	- ± -	0.146	-	-

Sample: N150ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.85 ± 0.0645	1.99 ± 0.04	0.185	107	1.35

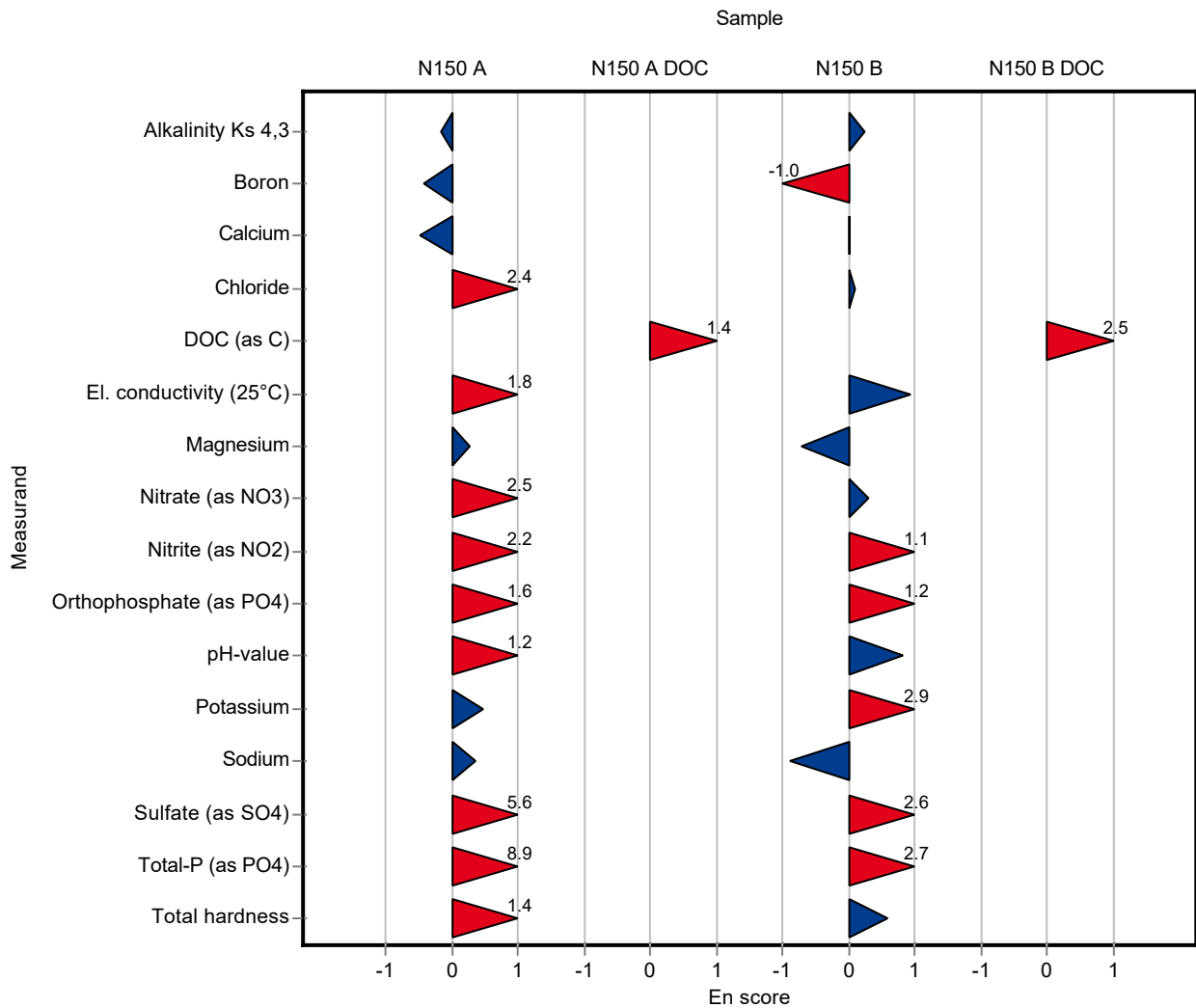
Sample: N150B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	2.74 ± 0.0137	2.8 ± 0.13	0.0547	102	0.25
Ammonium (as NH ₄)	mg/l	0.321 ± 0.00634	- ± -	0.0385	-	-
Boron	mg/l	0.00948 ± 0.00044	0.009 ± 0.0001	0.00104	94.9	-1.00
Calcium	mg/l	48.2 ± 0.463	48.3 ± 1.9	1.5	100	0.02

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Chloride	mg/l	11.5 ± 0.13	11.5 ± 0.1	0.459	100	0.10
El. conductivity (25°C)	µS/cm	350 ± 1.44	360 ± 5	4.56	103	0.94
Hydrogen carbonate	mg/l	165 ± 1.09	- ± -	3.3	-	-
Magnesium	mg/l	10.9 ± 0.149	10.7 ± 0.1	0.435	98.3	-0.73
Nitrate (as NO ₃)	mg/l	12 ± 0.174	12.1 ± 0.1	0.601	101	0.31
Nitrite (as NO ₂)	mg/l	0.221 ± 0.00316	0.23 ± 0.004	0.0117	104	1.06
Orthophosphate (as PO ₄)	mg/l	0.166 ± 0.00363	0.19 ± 0.01	0.0149	114	1.18
pH-value	-	7.74 ± 0.033	7.9 ± 0.1	0.155	102	0.81
Potassium	mg/l	1.24 ± 0.0282	1.38 ± 0.02	0.0644	111	2.88
Sodium	mg/l	6.39 ± 0.087	6.2 ± 0.1	0.217	97	-0.88
Sulfate (as SO ₄)	mg/l	18.3 ± 0.193	19 ± 0.1	0.603	104	2.60
Total-P (as PO ₄)	mg/l	0.7 ± 0.0182	0.87 ± 0.03	0.0525	124	2.71
Total hardness	mmol/l	1.68 ± 0.022	1.75 ± 0.06	0.0504	104	0.57
Total nitrogen	mg/l	3.1 ± 0.101	- ± -	0.258	-	-

Sample: N150BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	2.45 ± 0.0593	2.68 ± 0.037	0.245	110	2.47



Sample: N150A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	4.1 ± 0.0162	4.09 ± 0.2	0.0821	99.6	-0.18
Ammonium (as NH ₄)	mg/l	0.0588 ± 0.0023	- ± -	0.00706	-	-
Boron	mg/l	0.0209 ± 0.000944	- ± -	0.0023	-	-
Calcium	mg/l	71.6 ± 0.691	- ± -	2.22	-	-
Chloride	mg/l	31 ± 0.209	- ± -	1.24	-	-
El. conductivity (25°C)	µS/cm	545 ± 2.62	558 ± 30	7.09	102	1.82
Hydrogen carbonate	mg/l	249 ± 1.82	- ± -	4.99	-	-
Magnesium	mg/l	16.2 ± 0.207	- ± -	0.648	-	-
Nitrate (as NO ₃)	mg/l	7.06 ± 0.16	- ± -	0.353	-	-
Nitrite (as NO ₂)	mg/l	0.202 ± 0.00286	- ± -	0.0107	-	-
Orthophosphate (as PO ₄)	mg/l	0.137 ± 0.00441	- ± -	0.0123	-	-
pH-value	-	7.77 ± 0.027	7.768 ± 0.04	0.155	100	0.01
Potassium	mg/l	2.28 ± 0.0331	- ± -	0.118	-	-
Sodium	mg/l	17.7 ± 0.216	- ± -	0.602	-	-
Sulfate (as SO ₄)	mg/l	31.2 ± 0.278	- ± -	1.03	-	-
Total-P (as PO ₄)	mg/l	1.48 ± 0.0285	- ± -	0.111	-	-
Total hardness	mmol/l	2.48 ± 0.0362	- ± -	0.0745	-	-
Total nitrogen	mg/l	1.76 ± 0.0577	- ± -	0.146	-	-

Sample: N150ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.85 ± 0.0645	- ± -	0.185	-	-

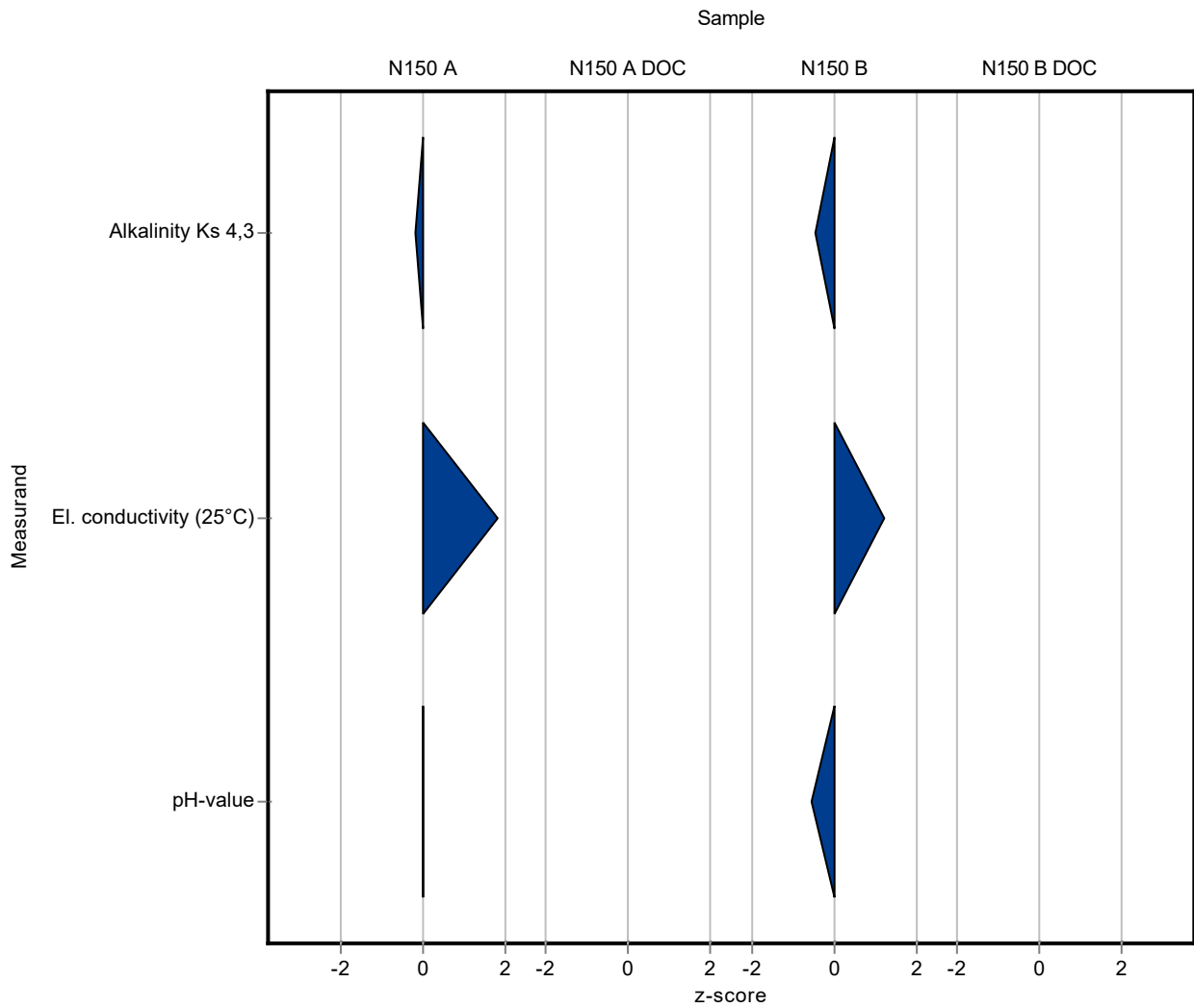
Sample: N150B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	2.74 ± 0.0137	2.71 ± 0.14	0.0547	99.1	-0.46
Ammonium (as NH ₄)	mg/l	0.321 ± 0.00634	- ± -	0.0385	-	-
Boron	mg/l	0.00948 ± 0.00044	- ± -	0.00104	-	-
Calcium	mg/l	48.2 ± 0.463	- ± -	1.5	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Chloride	mg/l	11.5 ± 0.13	- ± -	0.459	-	-
El. conductivity (25°C)	µS/cm	350 ± 1.44	356 ± 30	4.56	102	1.22
Hydrogen carbonate	mg/l	165 ± 1.09	- ± -	3.3	-	-
Magnesium	mg/l	10.9 ± 0.149	- ± -	0.435	-	-
Nitrate (as NO ₃)	mg/l	12 ± 0.174	- ± -	0.601	-	-
Nitrite (as NO ₂)	mg/l	0.221 ± 0.00316	- ± -	0.0117	-	-
Orthophosphate (as PO ₄)	mg/l	0.166 ± 0.00363	- ± -	0.0149	-	-
pH-value	-	7.74 ± 0.033	7.648 ± 0.04	0.155	98.9	-0.56
Potassium	mg/l	1.24 ± 0.0282	- ± -	0.0644	-	-
Sodium	mg/l	6.39 ± 0.087	- ± -	0.217	-	-
Sulfate (as SO ₄)	mg/l	18.3 ± 0.193	- ± -	0.603	-	-
Total-P (as PO ₄)	mg/l	0.7 ± 0.0182	- ± -	0.0525	-	-
Total hardness	mmol/l	1.68 ± 0.022	- ± -	0.0504	-	-
Total nitrogen	mg/l	3.1 ± 0.101	- ± -	0.258	-	-

Sample: N150BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.45 ± 0.0593	- ± -	0.245	-	-



Sample: N150A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	4.1 ± 0.0162	4.09 ± 0.2	0.0821	99.6	-0.04
Ammonium (as NH4)	mg/l	0.0588 ± 0.0023	- ± -	0.00706	-	-
Boron	mg/l	0.0209 ± 0.000944	- ± -	0.0023	-	-
Calcium	mg/l	71.6 ± 0.691	- ± -	2.22	-	-
Chloride	mg/l	31 ± 0.209	- ± -	1.24	-	-
El. conductivity (25°C)	µS/cm	545 ± 2.62	558 ± 30	7.09	102	0.21
Hydrogen carbonate	mg/l	249 ± 1.82	- ± -	4.99	-	-
Magnesium	mg/l	16.2 ± 0.207	- ± -	0.648	-	-
Nitrate (as NO3)	mg/l	7.06 ± 0.16	- ± -	0.353	-	-
Nitrite (as NO2)	mg/l	0.202 ± 0.00286	- ± -	0.0107	-	-
Orthophosphate (as PO4)	mg/l	0.137 ± 0.00441	- ± -	0.0123	-	-
pH-value	-	7.77 ± 0.027	7.768 ± 0.04	0.155	100	0.01
Potassium	mg/l	2.28 ± 0.0331	- ± -	0.118	-	-
Sodium	mg/l	17.7 ± 0.216	- ± -	0.602	-	-
Sulfate (as SO4)	mg/l	31.2 ± 0.278	- ± -	1.03	-	-
Total-P (as PO4)	mg/l	1.48 ± 0.0285	- ± -	0.111	-	-
Total hardness	mmol/l	2.48 ± 0.0362	- ± -	0.0745	-	-
Total nitrogen	mg/l	1.76 ± 0.0577	- ± -	0.146	-	-

Sample: N150ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.85 ± 0.0645	- ± -	0.185	-	-

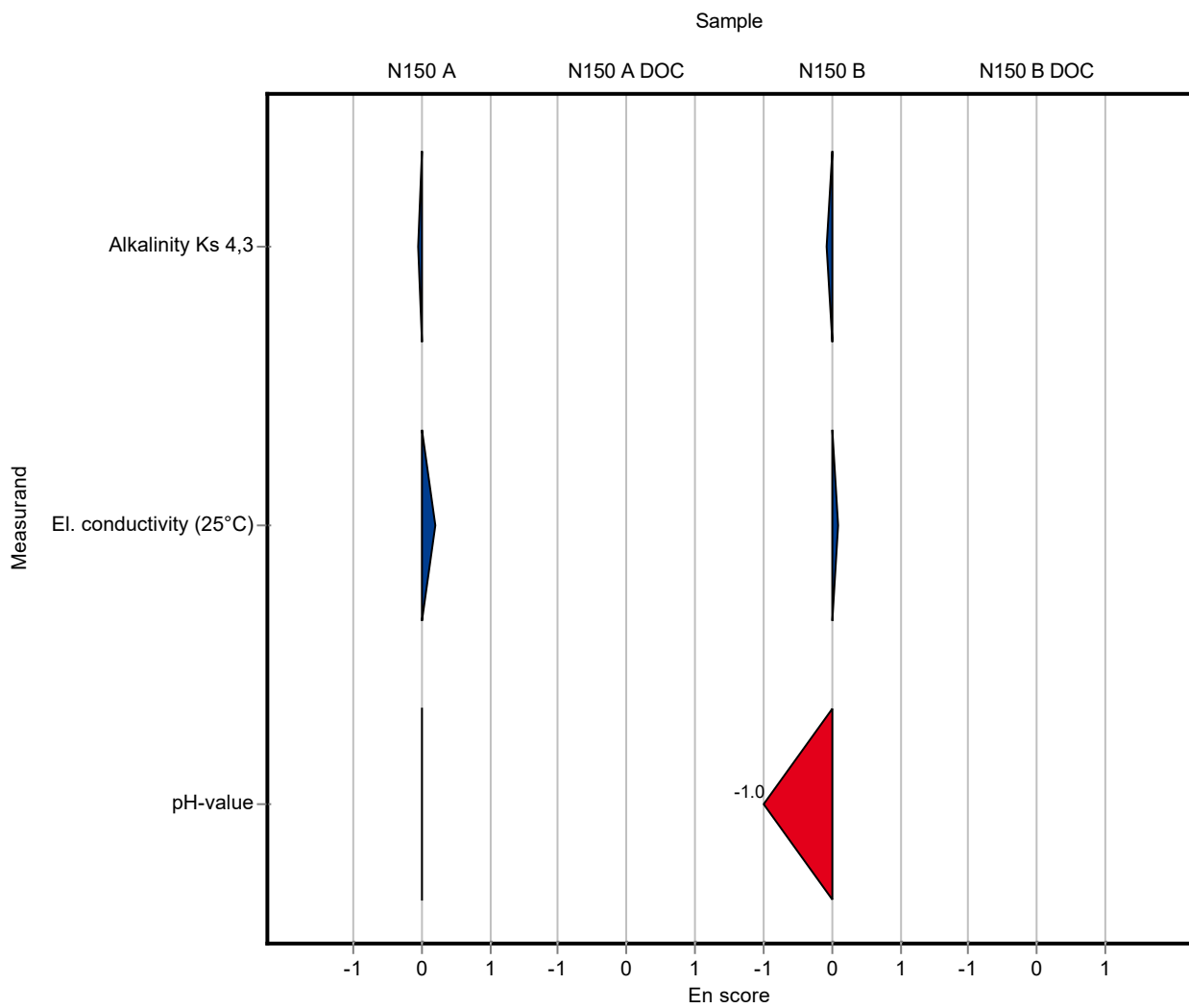
Sample: N150B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	2.74 ± 0.0137	2.71 ± 0.14	0.0547	99.1	-0.09
Ammonium (as NH4)	mg/l	0.321 ± 0.00634	- ± -	0.0385	-	-
Boron	mg/l	0.00948 ± 0.00044	- ± -	0.00104	-	-
Calcium	mg/l	48.2 ± 0.463	- ± -	1.5	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Chloride	mg/l	11.5 ± 0.13	- ± -	0.459	-	-
El. conductivity (25°C)	µS/cm	350 ± 1.44	356 ± 30	4.56	102	0.09
Hydrogen carbonate	mg/l	165 ± 1.09	- ± -	3.3	-	-
Magnesium	mg/l	10.9 ± 0.149	- ± -	0.435	-	-
Nitrate (as NO ₃)	mg/l	12 ± 0.174	- ± -	0.601	-	-
Nitrite (as NO ₂)	mg/l	0.221 ± 0.00316	- ± -	0.0117	-	-
Orthophosphate (as PO ₄)	mg/l	0.166 ± 0.00363	- ± -	0.0149	-	-
pH-value	-	7.74 ± 0.033	7.648 ± 0.04	0.155	98.9	-1.01
Potassium	mg/l	1.24 ± 0.0282	- ± -	0.0644	-	-
Sodium	mg/l	6.39 ± 0.087	- ± -	0.217	-	-
Sulfate (as SO ₄)	mg/l	18.3 ± 0.193	- ± -	0.603	-	-
Total-P (as PO ₄)	mg/l	0.7 ± 0.0182	- ± -	0.0525	-	-
Total hardness	mmol/l	1.68 ± 0.022	- ± -	0.0504	-	-
Total nitrogen	mg/l	3.1 ± 0.101	- ± -	0.258	-	-

Sample: N150BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	2.45 ± 0.0593	- ± -	0.245	-	-



Sample: N150A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	4.1 ± 0.0162	- ± -	0.0821	-	-
Ammonium (as NH ₄)	mg/l	0.0588 ± 0.0023	0.053 ± 0.007	0.00706	90.2	-0.82
Boron	mg/l	0.0209 ± 0.000944	- ± -	0.0023	-	-
Calcium	mg/l	71.6 ± 0.691	- ± -	2.22	-	-
Chloride	mg/l	31 ± 0.209	- ± -	1.24	-	-
El. conductivity (25°C)	µS/cm	545 ± 2.62	- ± -	7.09	-	-
Hydrogen carbonate	mg/l	249 ± 1.82	- ± -	4.99	-	-
Magnesium	mg/l	16.2 ± 0.207	- ± -	0.648	-	-
Nitrate (as NO ₃)	mg/l	7.06 ± 0.16	6.59 ± 0.04	0.353	93.4	-1.32
Nitrite (as NO ₂)	mg/l	0.202 ± 0.00286	- ± -	0.0107	-	-
Orthophosphate (as PO ₄)	mg/l	0.137 ± 0.00441	0.143 ± 0.004	0.0123	105	0.51
pH-value	-	7.77 ± 0.027	- ± -	0.155	-	-
Potassium	mg/l	2.28 ± 0.0331	- ± -	0.118	-	-
Sodium	mg/l	17.7 ± 0.216	- ± -	0.602	-	-
Sulfate (as SO ₄)	mg/l	31.2 ± 0.278	- ± -	1.03	-	-
Total-P (as PO ₄)	mg/l	1.48 ± 0.0285	1.487 ± 0.006	0.111	100	0.03
Total hardness	mmol/l	2.48 ± 0.0362	- ± -	0.0745	-	-
Total nitrogen	mg/l	1.76 ± 0.0577	- ± -	0.146	-	-

Sample: N150ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.85 ± 0.0645	1.6 ± 0.16	0.185	86.4	-1.36

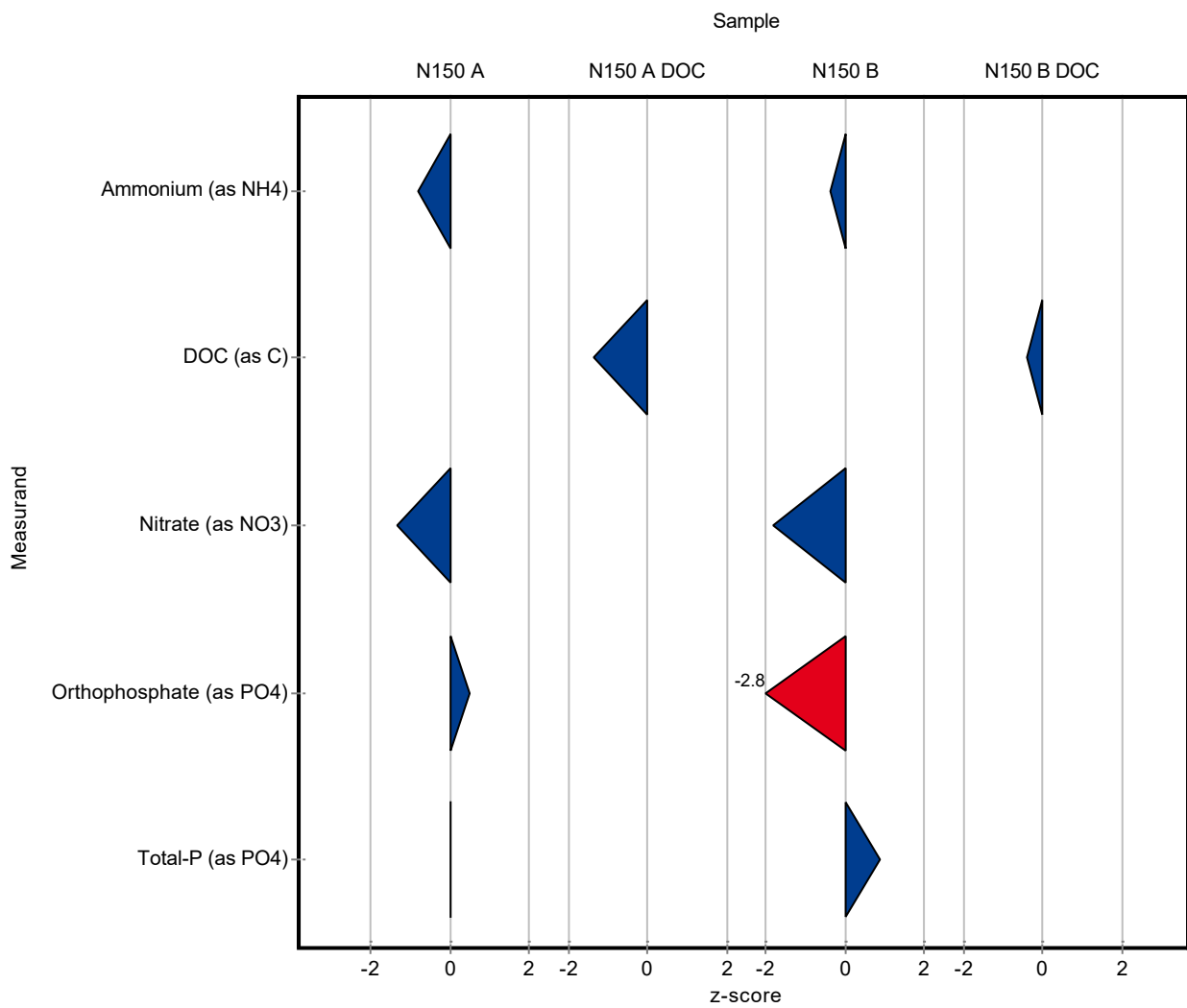
Sample: N150B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	2.74 ± 0.0137	- ± -	0.0547	-	-
Ammonium (as NH ₄)	mg/l	0.321 ± 0.00634	0.307 ± 0.084	0.0385	95.7	-0.36
Boron	mg/l	0.00948 ± 0.00044	- ± -	0.00104	-	-
Calcium	mg/l	48.2 ± 0.463	- ± -	1.5	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Chloride	mg/l	11.5 ± 0.13	- ± -	0.459	-	-
El. conductivity (25°C)	µS/cm	350 ± 1.44	- ± -	4.56	-	-
Hydrogen carbonate	mg/l	165 ± 1.09	- ± -	3.3	-	-
Magnesium	mg/l	10.9 ± 0.149	- ± -	0.435	-	-
Nitrate (as NO ₃)	mg/l	12 ± 0.174	10.91 ± 0.58	0.601	90.8	-1.84
Nitrite (as NO ₂)	mg/l	0.221 ± 0.00316	- ± -	0.0117	-	-
Orthophosphate (as PO ₄)	mg/l	0.166 ± 0.00363	0.124 ± 0.013	0.0149	74.7	-2.81
pH-value	-	7.74 ± 0.033	- ± -	0.155	-	-
Potassium	mg/l	1.24 ± 0.0282	- ± -	0.0644	-	-
Sodium	mg/l	6.39 ± 0.087	- ± -	0.217	-	-
Sulfate (as SO ₄)	mg/l	18.3 ± 0.193	- ± -	0.603	-	-
Total-P (as PO ₄)	mg/l	0.7 ± 0.0182	0.747 ± 0.029	0.0525	107	0.89
Total hardness	mmol/l	1.68 ± 0.022	- ± -	0.0504	-	-
Total nitrogen	mg/l	3.1 ± 0.101	- ± -	0.258	-	-

Sample: N150BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.45 ± 0.0593	2.35 ± 0.04	0.245	96.1	-0.39



Sample: N150A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	4.1 ± 0.0162	- ± -	0.0821	-	-
Ammonium (as NH ₄)	mg/l	0.0588 ± 0.0023	0.053 ± 0.007	0.00706	90.2	-0.41
Boron	mg/l	0.0209 ± 0.000944	- ± -	0.0023	-	-
Calcium	mg/l	71.6 ± 0.691	- ± -	2.22	-	-
Chloride	mg/l	31 ± 0.209	- ± -	1.24	-	-
El. conductivity (25°C)	µS/cm	545 ± 2.62	- ± -	7.09	-	-
Hydrogen carbonate	mg/l	249 ± 1.82	- ± -	4.99	-	-
Magnesium	mg/l	16.2 ± 0.207	- ± -	0.648	-	-
Nitrate (as NO ₃)	mg/l	7.06 ± 0.16	6.59 ± 0.04	0.353	93.4	-2.61
Nitrite (as NO ₂)	mg/l	0.202 ± 0.00286	- ± -	0.0107	-	-
Orthophosphate (as PO ₄)	mg/l	0.137 ± 0.00441	0.143 ± 0.004	0.0123	105	0.69
pH-value	-	7.77 ± 0.027	- ± -	0.155	-	-
Potassium	mg/l	2.28 ± 0.0331	- ± -	0.118	-	-
Sodium	mg/l	17.7 ± 0.216	- ± -	0.602	-	-
Sulfate (as SO ₄)	mg/l	31.2 ± 0.278	- ± -	1.03	-	-
Total-P (as PO ₄)	mg/l	1.48 ± 0.0285	1.487 ± 0.006	0.111	100	0.10
Total hardness	mmol/l	2.48 ± 0.0362	- ± -	0.0745	-	-
Total nitrogen	mg/l	1.76 ± 0.0577	- ± -	0.146	-	-

Sample: N150ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.85 ± 0.0645	1.6 ± 0.16	0.185	86.4	-0.77

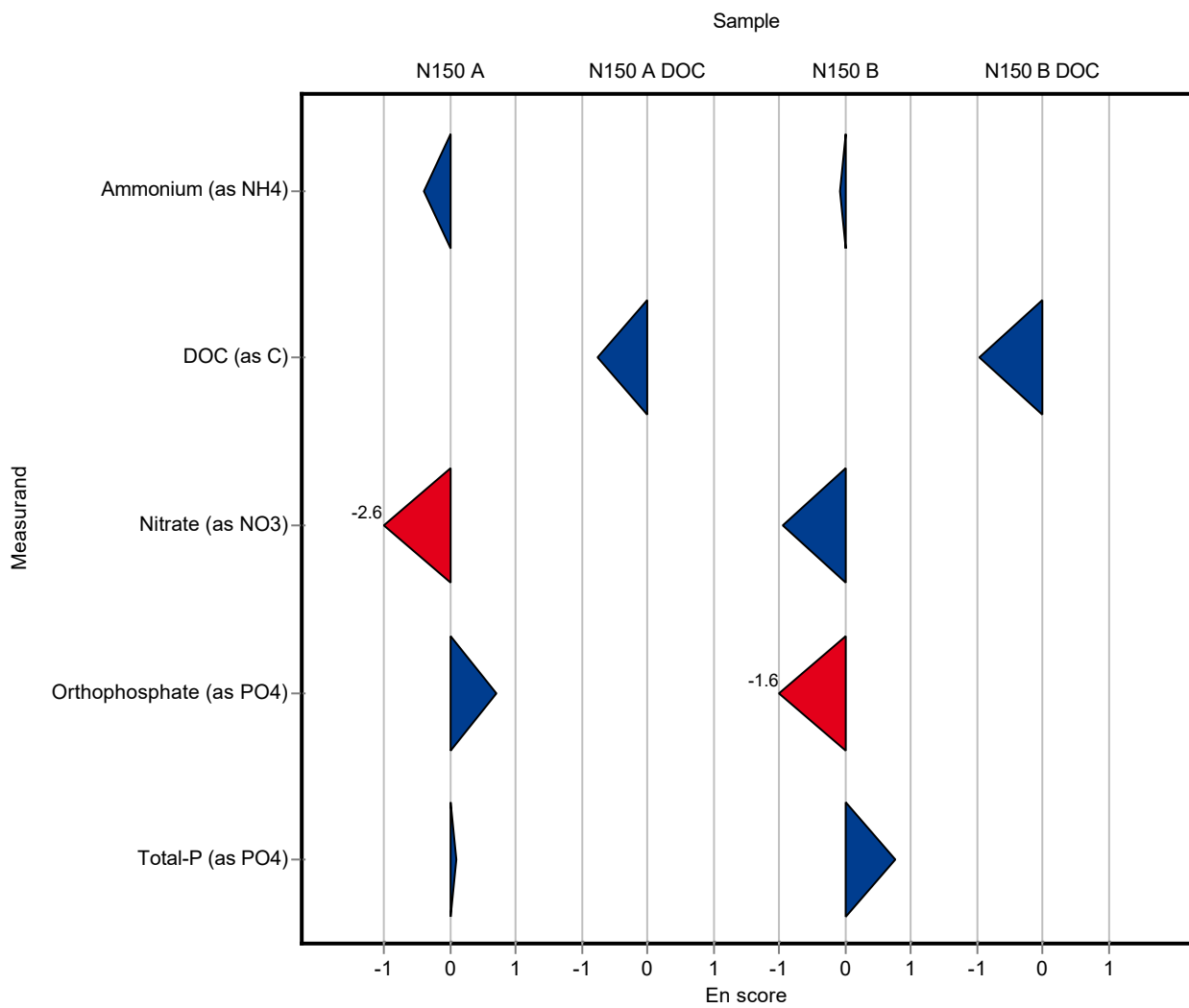
Sample: N150B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	2.74 ± 0.0137	- ± -	0.0547	-	-
Ammonium (as NH ₄)	mg/l	0.321 ± 0.00634	0.307 ± 0.084	0.0385	95.7	-0.08
Boron	mg/l	0.00948 ± 0.00044	- ± -	0.00104	-	-
Calcium	mg/l	48.2 ± 0.463	- ± -	1.5	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Chloride	mg/l	11.5 ± 0.13	- ± -	0.459	-	-
El. conductivity (25°C)	µS/cm	350 ± 1.44	- ± -	4.56	-	-
Hydrogen carbonate	mg/l	165 ± 1.09	- ± -	3.3	-	-
Magnesium	mg/l	10.9 ± 0.149	- ± -	0.435	-	-
Nitrate (as NO ₃)	mg/l	12 ± 0.174	10.91 ± 0.58	0.601	90.8	-0.94
Nitrite (as NO ₂)	mg/l	0.221 ± 0.00316	- ± -	0.0117	-	-
Orthophosphate (as PO ₄)	mg/l	0.166 ± 0.00363	0.124 ± 0.013	0.0149	74.7	-1.60
pH-value	-	7.74 ± 0.033	- ± -	0.155	-	-
Potassium	mg/l	1.24 ± 0.0282	- ± -	0.0644	-	-
Sodium	mg/l	6.39 ± 0.087	- ± -	0.217	-	-
Sulfate (as SO ₄)	mg/l	18.3 ± 0.193	- ± -	0.603	-	-
Total-P (as PO ₄)	mg/l	0.7 ± 0.0182	0.747 ± 0.029	0.0525	107	0.77
Total hardness	mmol/l	1.68 ± 0.022	- ± -	0.0504	-	-
Total nitrogen	mg/l	3.1 ± 0.101	- ± -	0.258	-	-

Sample: N150BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	2.45 ± 0.0593	2.35 ± 0.04	0.245	96.1	-0.96



Sample: N150A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	4.1 ± 0.0162	4.11 ± 0.0206	0.0821	100	0.07
Ammonium (as NH ₄)	mg/l	0.0588 ± 0.0023	- ± -	0.00706	-	-
Boron	mg/l	0.0209 ± 0.000944	- ± -	0.0023	-	-
Calcium	mg/l	71.6 ± 0.691	- ± -	2.22	-	-
Chloride	mg/l	31 ± 0.209	30.97 ± 4.323	1.24	99.9	-0.03
El. conductivity (25°C)	µS/cm	545 ± 2.62	553 ± 11.06	7.09	101	1.11
Hydrogen carbonate	mg/l	249 ± 1.82	- ± -	4.99	-	-
Magnesium	mg/l	16.2 ± 0.207	- ± -	0.648	-	-
Nitrate (as NO ₃)	mg/l	7.06 ± 0.16	7.296 ± 0.3407	0.353	103	0.68
Nitrite (as NO ₂)	mg/l	0.202 ± 0.00286	0.201 ± 0.0109	0.0107	99.7	-0.06
Orthophosphate (as PO ₄)	mg/l	0.137 ± 0.00441	- ± -	0.0123	-	-
pH-value	-	7.77 ± 0.027	7.71 ± 0.0771	0.155	99.3	-0.37
Potassium	mg/l	2.28 ± 0.0331	- ± -	0.118	-	-
Sodium	mg/l	17.7 ± 0.216	- ± -	0.602	-	-
Sulfate (as SO ₄)	mg/l	31.2 ± 0.278	31.47 ± 1.611	1.03	101	0.27
Total-P (as PO ₄)	mg/l	1.48 ± 0.0285	- ± -	0.111	-	-
Total hardness	mmol/l	2.48 ± 0.0362	- ± -	0.0745	-	-
Total nitrogen	mg/l	1.76 ± 0.0577	- ± -	0.146	-	-

Sample: N150ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.85 ± 0.0645	- ± -	0.185	-	-

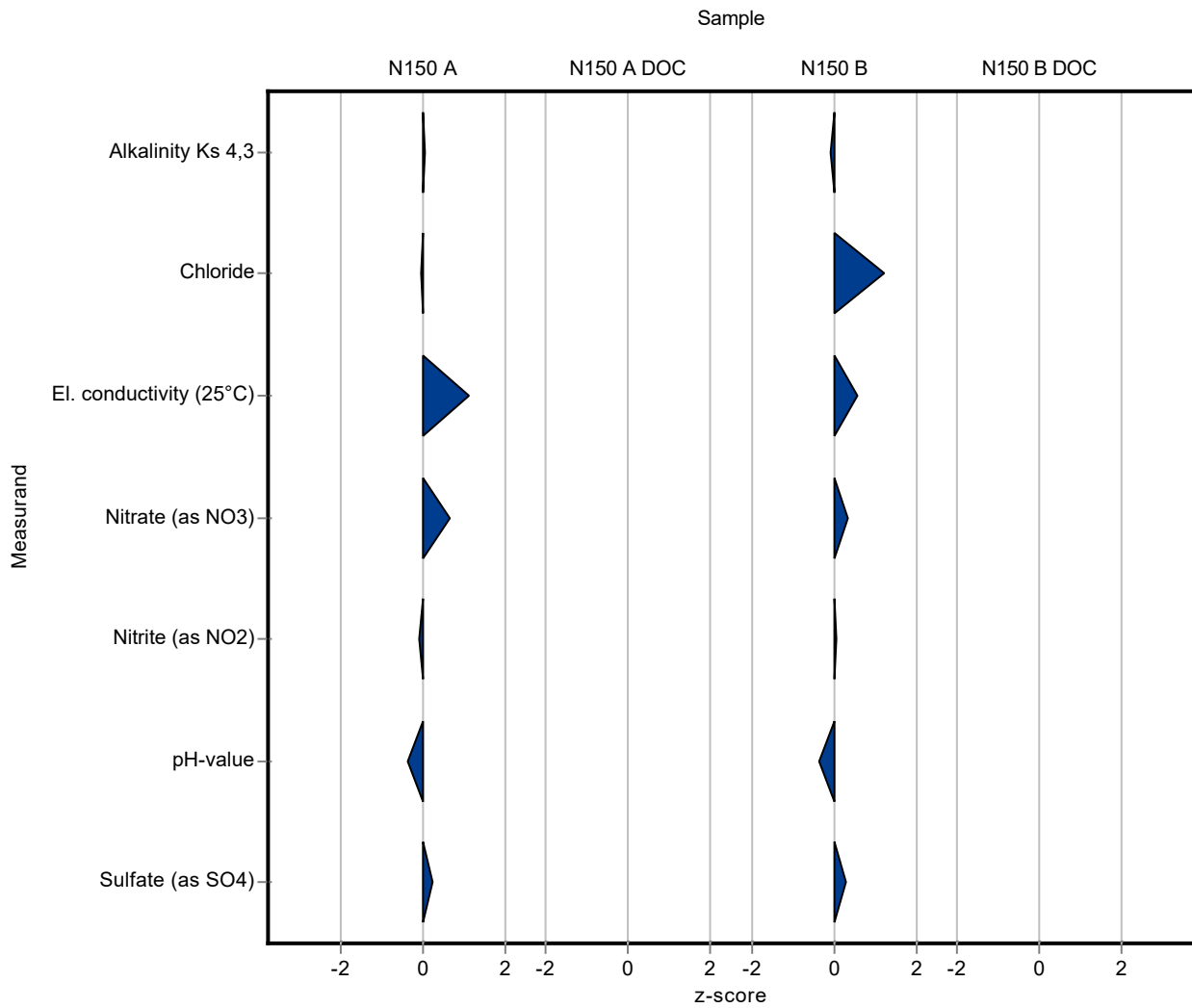
Sample: N150B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	2.74 ± 0.0137	2.73 ± 0.0137	0.0547	99.8	-0.09
Ammonium (as NH ₄)	mg/l	0.321 ± 0.00634	- ± -	0.0385	-	-
Boron	mg/l	0.00948 ± 0.00044	- ± -	0.00104	-	-
Calcium	mg/l	48.2 ± 0.463	- ± -	1.5	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Chloride	mg/l	11.5 ± 0.13	12.04 ± 1.681	0.459	105	1.23
El. conductivity (25°C)	µS/cm	350 ± 1.44	353 ± 7.06	4.56	101	0.56
Hydrogen carbonate	mg/l	165 ± 1.09	- ± -	3.3	-	-
Magnesium	mg/l	10.9 ± 0.149	- ± -	0.435	-	-
Nitrate (as NO ₃)	mg/l	12 ± 0.174	12.216 ± 0.5705	0.601	102	0.33
Nitrite (as NO ₂)	mg/l	0.221 ± 0.00316	0.2215 ± 0.012	0.0117	100	0.05
Orthophosphate (as PO ₄)	mg/l	0.166 ± 0.00363	- ± -	0.0149	-	-
pH-value	-	7.74 ± 0.033	7.68 ± 0.0768	0.155	99.3	-0.36
Potassium	mg/l	1.24 ± 0.0282	- ± -	0.0644	-	-
Sodium	mg/l	6.39 ± 0.087	- ± -	0.217	-	-
Sulfate (as SO ₄)	mg/l	18.3 ± 0.193	18.46 ± 0.9451	0.603	101	0.30
Total-P (as PO ₄)	mg/l	0.7 ± 0.0182	- ± -	0.0525	-	-
Total hardness	mmol/l	1.68 ± 0.022	- ± -	0.0504	-	-
Total nitrogen	mg/l	3.1 ± 0.101	- ± -	0.258	-	-

Sample: N150BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.45 ± 0.0593	- ± -	0.245	-	-



Sample: N150A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	4.1 ± 0.0162	4.11 ± 0.0206	0.0821	100	0.13
Ammonium (as NH4)	mg/l	0.0588 ± 0.0023	- ± -	0.00706	-	-
Boron	mg/l	0.0209 ± 0.000944	- ± -	0.0023	-	-
Calcium	mg/l	71.6 ± 0.691	- ± -	2.22	-	-
Chloride	mg/l	31 ± 0.209	30.97 ± 4.323	1.24	99.9	0.00
El. conductivity (25°C)	µS/cm	545 ± 2.62	553 ± 11.06	7.09	101	0.35
Hydrogen carbonate	mg/l	249 ± 1.82	- ± -	4.99	-	-
Magnesium	mg/l	16.2 ± 0.207	- ± -	0.648	-	-
Nitrate (as NO3)	mg/l	7.06 ± 0.16	7.296 ± 0.3407	0.353	103	0.34
Nitrite (as NO2)	mg/l	0.202 ± 0.00286	0.201 ± 0.0109	0.0107	99.7	-0.03
Orthophosphate (as PO4)	mg/l	0.137 ± 0.00441	- ± -	0.0123	-	-
pH-value	-	7.77 ± 0.027	7.71 ± 0.0771	0.155	99.3	-0.36
Potassium	mg/l	2.28 ± 0.0331	- ± -	0.118	-	-
Sodium	mg/l	17.7 ± 0.216	- ± -	0.602	-	-
Sulfate (as SO4)	mg/l	31.2 ± 0.278	31.47 ± 1.611	1.03	101	0.08
Total-P (as PO4)	mg/l	1.48 ± 0.0285	- ± -	0.111	-	-
Total hardness	mmol/l	2.48 ± 0.0362	- ± -	0.0745	-	-
Total nitrogen	mg/l	1.76 ± 0.0577	- ± -	0.146	-	-

Sample: N150ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.85 ± 0.0645	- ± -	0.185	-	-

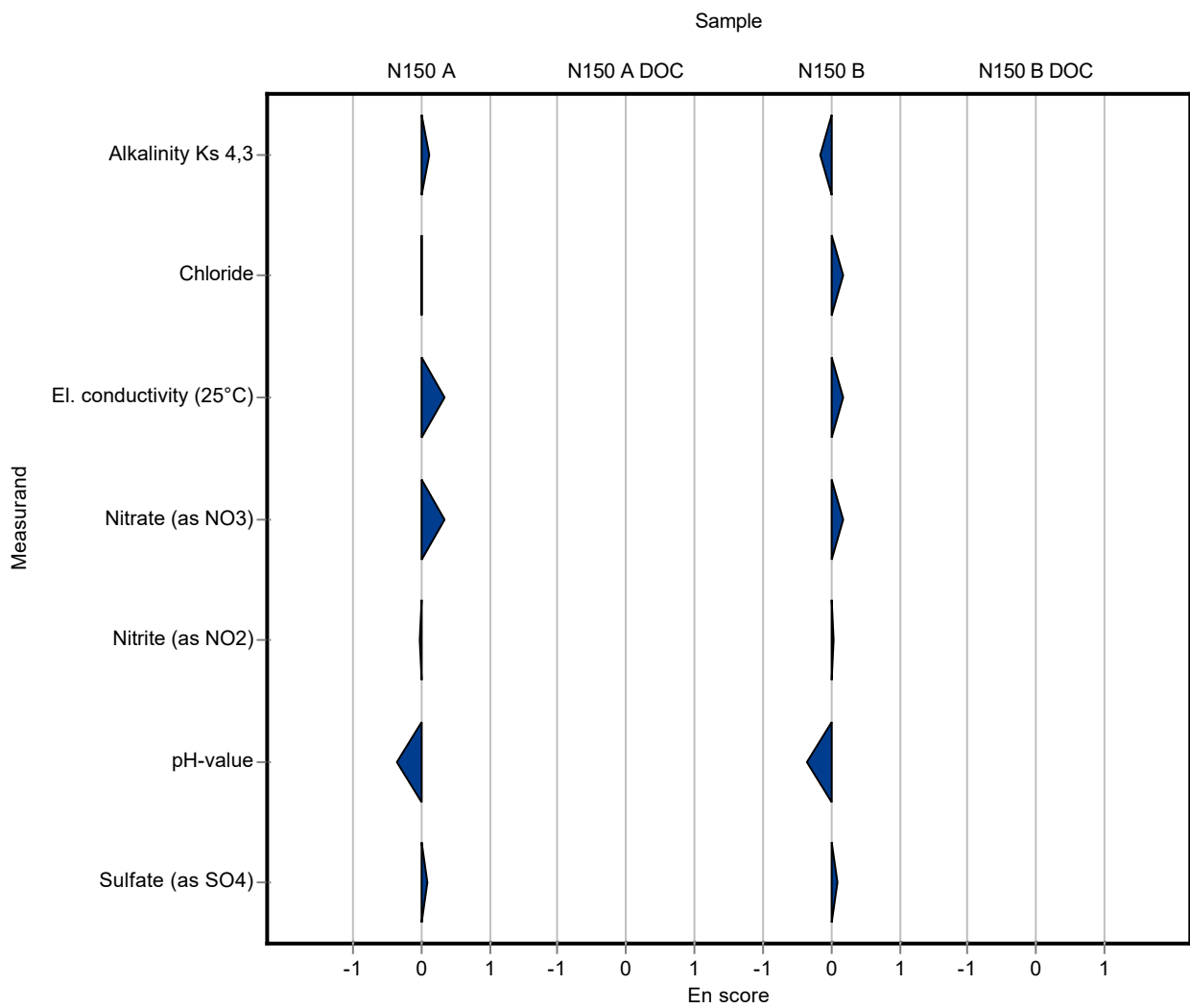
Sample: N150B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	2.74 ± 0.0137	2.73 ± 0.0137	0.0547	99.8	-0.16
Ammonium (as NH4)	mg/l	0.321 ± 0.00634	- ± -	0.0385	-	-
Boron	mg/l	0.00948 ± 0.00044	- ± -	0.00104	-	-
Calcium	mg/l	48.2 ± 0.463	- ± -	1.5	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Chloride	mg/l	11.5 ± 0.13	12.04 ± 1.681	0.459	105	0.17
El. conductivity (25°C)	µS/cm	350 ± 1.44	353 ± 7.06	4.56	101	0.18
Hydrogen carbonate	mg/l	165 ± 1.09	- ± -	3.3	-	-
Magnesium	mg/l	10.9 ± 0.149	- ± -	0.435	-	-
Nitrate (as NO ₃)	mg/l	12 ± 0.174	12.216 ± 0.5705	0.601	102	0.17
Nitrite (as NO ₂)	mg/l	0.221 ± 0.00316	0.2215 ± 0.012	0.0117	100	0.03
Orthophosphate (as PO ₄)	mg/l	0.166 ± 0.00363	- ± -	0.0149	-	-
pH-value	-	7.74 ± 0.033	7.68 ± 0.0768	0.155	99.3	-0.35
Potassium	mg/l	1.24 ± 0.0282	- ± -	0.0644	-	-
Sodium	mg/l	6.39 ± 0.087	- ± -	0.217	-	-
Sulfate (as SO ₄)	mg/l	18.3 ± 0.193	18.46 ± 0.9451	0.603	101	0.10
Total-P (as PO ₄)	mg/l	0.7 ± 0.0182	- ± -	0.0525	-	-
Total hardness	mmol/l	1.68 ± 0.022	- ± -	0.0504	-	-
Total nitrogen	mg/l	3.1 ± 0.101	- ± -	0.258	-	-

Sample: N150BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	2.45 ± 0.0593	- ± -	0.245	-	-



Sample: N150A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	4.1 ± 0.0162	- ± -	0.0821	-	-
Ammonium (as NH ₄)	mg/l	0.0588 ± 0.0023	- ± -	0.00706	-	-
Boron	mg/l	0.0209 ± 0.000944	- ± -	0.0023	-	-
Calcium	mg/l	71.6 ± 0.691	- ± -	2.22	-	-
Chloride	mg/l	31 ± 0.209	- ± -	1.24	-	-
El. conductivity (25°C)	µS/cm	545 ± 2.62	- ± -	7.09	-	-
Hydrogen carbonate	mg/l	249 ± 1.82	- ± -	4.99	-	-
Magnesium	mg/l	16.2 ± 0.207	- ± -	0.648	-	-
Nitrate (as NO ₃)	mg/l	7.06 ± 0.16	- ± -	0.353	-	-
Nitrite (as NO ₂)	mg/l	0.202 ± 0.00286	- ± -	0.0107	-	-
Orthophosphate (as PO ₄)	mg/l	0.137 ± 0.00441	- ± -	0.0123	-	-
pH-value	-	7.77 ± 0.027	- ± -	0.155	-	-
Potassium	mg/l	2.28 ± 0.0331	- ± -	0.118	-	-
Sodium	mg/l	17.7 ± 0.216	- ± -	0.602	-	-
Sulfate (as SO ₄)	mg/l	31.2 ± 0.278	- ± -	1.03	-	-
Total-P (as PO ₄)	mg/l	1.48 ± 0.0285	- ± -	0.111	-	-
Total hardness	mmol/l	2.48 ± 0.0362	- ± -	0.0745	-	-
Total nitrogen	mg/l	1.76 ± 0.0577	- ± -	0.146	-	-

Sample: N150ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.85 ± 0.0645	- ± -	0.185	-	-

Sample: N150B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	2.74 ± 0.0137	- ± -	0.0547	-	-
Ammonium (as NH ₄)	mg/l	0.321 ± 0.00634	- ± -	0.0385	-	-
Boron	mg/l	0.00948 ± 0.00044	- ± -	0.00104	-	-
Calcium	mg/l	48.2 ± 0.463	- ± -	1.5	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Chloride	mg/l	11.5 ± 0.13	- ± -	0.459	-	-
El. conductivity (25°C)	µS/cm	350 ± 1.44	- ± -	4.56	-	-
Hydrogen carbonate	mg/l	165 ± 1.09	- ± -	3.3	-	-
Magnesium	mg/l	10.9 ± 0.149	- ± -	0.435	-	-
Nitrate (as NO ₃)	mg/l	12 ± 0.174	- ± -	0.601	-	-
Nitrite (as NO ₂)	mg/l	0.221 ± 0.00316	- ± -	0.0117	-	-
Orthophosphate (as PO ₄)	mg/l	0.166 ± 0.00363	- ± -	0.0149	-	-
pH-value	-	7.74 ± 0.033	- ± -	0.155	-	-
Potassium	mg/l	1.24 ± 0.0282	- ± -	0.0644	-	-
Sodium	mg/l	6.39 ± 0.087	- ± -	0.217	-	-
Sulfate (as SO ₄)	mg/l	18.3 ± 0.193	- ± -	0.603	-	-
Total-P (as PO ₄)	mg/l	0.7 ± 0.0182	- ± -	0.0525	-	-
Total hardness	mmol/l	1.68 ± 0.022	- ± -	0.0504	-	-
Total nitrogen	mg/l	3.1 ± 0.101	- ± -	0.258	-	-

Sample: N150BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.45 ± 0.0593	- ± -	0.245	-	-

Sample: N150A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	4.1 ± 0.0162	- ± -	0.0821	-	-
Ammonium (as NH ₄)	mg/l	0.0588 ± 0.0023	- ± -	0.00706	-	-
Boron	mg/l	0.0209 ± 0.000944	- ± -	0.0023	-	-
Calcium	mg/l	71.6 ± 0.691	- ± -	2.22	-	-
Chloride	mg/l	31 ± 0.209	- ± -	1.24	-	-
El. conductivity (25°C)	µS/cm	545 ± 2.62	- ± -	7.09	-	-
Hydrogen carbonate	mg/l	249 ± 1.82	- ± -	4.99	-	-
Magnesium	mg/l	16.2 ± 0.207	- ± -	0.648	-	-
Nitrate (as NO ₃)	mg/l	7.06 ± 0.16	- ± -	0.353	-	-
Nitrite (as NO ₂)	mg/l	0.202 ± 0.00286	- ± -	0.0107	-	-
Orthophosphate (as PO ₄)	mg/l	0.137 ± 0.00441	- ± -	0.0123	-	-
pH-value	-	7.77 ± 0.027	- ± -	0.155	-	-
Potassium	mg/l	2.28 ± 0.0331	- ± -	0.118	-	-
Sodium	mg/l	17.7 ± 0.216	- ± -	0.602	-	-
Sulfate (as SO ₄)	mg/l	31.2 ± 0.278	- ± -	1.03	-	-
Total-P (as PO ₄)	mg/l	1.48 ± 0.0285	- ± -	0.111	-	-
Total hardness	mmol/l	2.48 ± 0.0362	- ± -	0.0745	-	-
Total nitrogen	mg/l	1.76 ± 0.0577	- ± -	0.146	-	-

Sample: N150ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.85 ± 0.0645	- ± -	0.185	-	-

Sample: N150B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	2.74 ± 0.0137	- ± -	0.0547	-	-
Ammonium (as NH ₄)	mg/l	0.321 ± 0.00634	- ± -	0.0385	-	-
Boron	mg/l	0.00948 ± 0.00044	- ± -	0.00104	-	-
Calcium	mg/l	48.2 ± 0.463	- ± -	1.5	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Chloride	mg/l	11.5 ± 0.13	- ± -	0.459	-	-
El. conductivity (25°C)	µS/cm	350 ± 1.44	- ± -	4.56	-	-
Hydrogen carbonate	mg/l	165 ± 1.09	- ± -	3.3	-	-
Magnesium	mg/l	10.9 ± 0.149	- ± -	0.435	-	-
Nitrate (as NO ₃)	mg/l	12 ± 0.174	- ± -	0.601	-	-
Nitrite (as NO ₂)	mg/l	0.221 ± 0.00316	- ± -	0.0117	-	-
Orthophosphate (as PO ₄)	mg/l	0.166 ± 0.00363	- ± -	0.0149	-	-
pH-value	-	7.74 ± 0.033	- ± -	0.155	-	-
Potassium	mg/l	1.24 ± 0.0282	- ± -	0.0644	-	-
Sodium	mg/l	6.39 ± 0.087	- ± -	0.217	-	-
Sulfate (as SO ₄)	mg/l	18.3 ± 0.193	- ± -	0.603	-	-
Total-P (as PO ₄)	mg/l	0.7 ± 0.0182	- ± -	0.0525	-	-
Total hardness	mmol/l	1.68 ± 0.022	- ± -	0.0504	-	-
Total nitrogen	mg/l	3.1 ± 0.101	- ± -	0.258	-	-

Sample: N150BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	2.45 ± 0.0593	- ± -	0.245	-	-

Sample: N150A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	4.1 ± 0.0162	4.16 ± 0.12	0.0821	101	0.68
Ammonium (as NH ₄)	mg/l	0.0588 ± 0.0023	0.057 ± 0.01	0.00706	97	-0.25
Boron	mg/l	0.0209 ± 0.000944	- ± -	0.0023	-	-
Calcium	mg/l	71.6 ± 0.691	- ± -	2.22	-	-
Chloride	mg/l	31 ± 0.209	31.3 ± 1.01	1.24	101	0.24
El. conductivity (25°C)	µS/cm	545 ± 2.62	543 ± 3.85	7.09	99.6	-0.30
Hydrogen carbonate	mg/l	249 ± 1.82	252 ± 3.64	4.99	101	0.52
Magnesium	mg/l	16.2 ± 0.207	- ± -	0.648	-	-
Nitrate (as NO ₃)	mg/l	7.06 ± 0.16	7.04 ± 0.48	0.353	99.8	-0.05
Nitrite (as NO ₂)	mg/l	0.202 ± 0.00286	0.197 ± 0.02	0.0107	97.7	-0.43
Orthophosphate (as PO ₄)	mg/l	0.137 ± 0.00441	0.138 ± 0.02	0.0123	101	0.11
pH-value	-	7.77 ± 0.027	7.71 ± 0.01	0.155	99.3	-0.37
Potassium	mg/l	2.28 ± 0.0331	- ± -	0.118	-	-
Sodium	mg/l	17.7 ± 0.216	- ± -	0.602	-	-
Sulfate (as SO ₄)	mg/l	31.2 ± 0.278	- ± -	1.03	-	-
Total-P (as PO ₄)	mg/l	1.48 ± 0.0285	1.53 ± 0.18	0.111	103	0.41
Total hardness	mmol/l	2.48 ± 0.0362	- ± -	0.0745	-	-
Total nitrogen	mg/l	1.76 ± 0.0577	- ± -	0.146	-	-

Sample: N150ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.85 ± 0.0645	- ± -	0.185	-	-

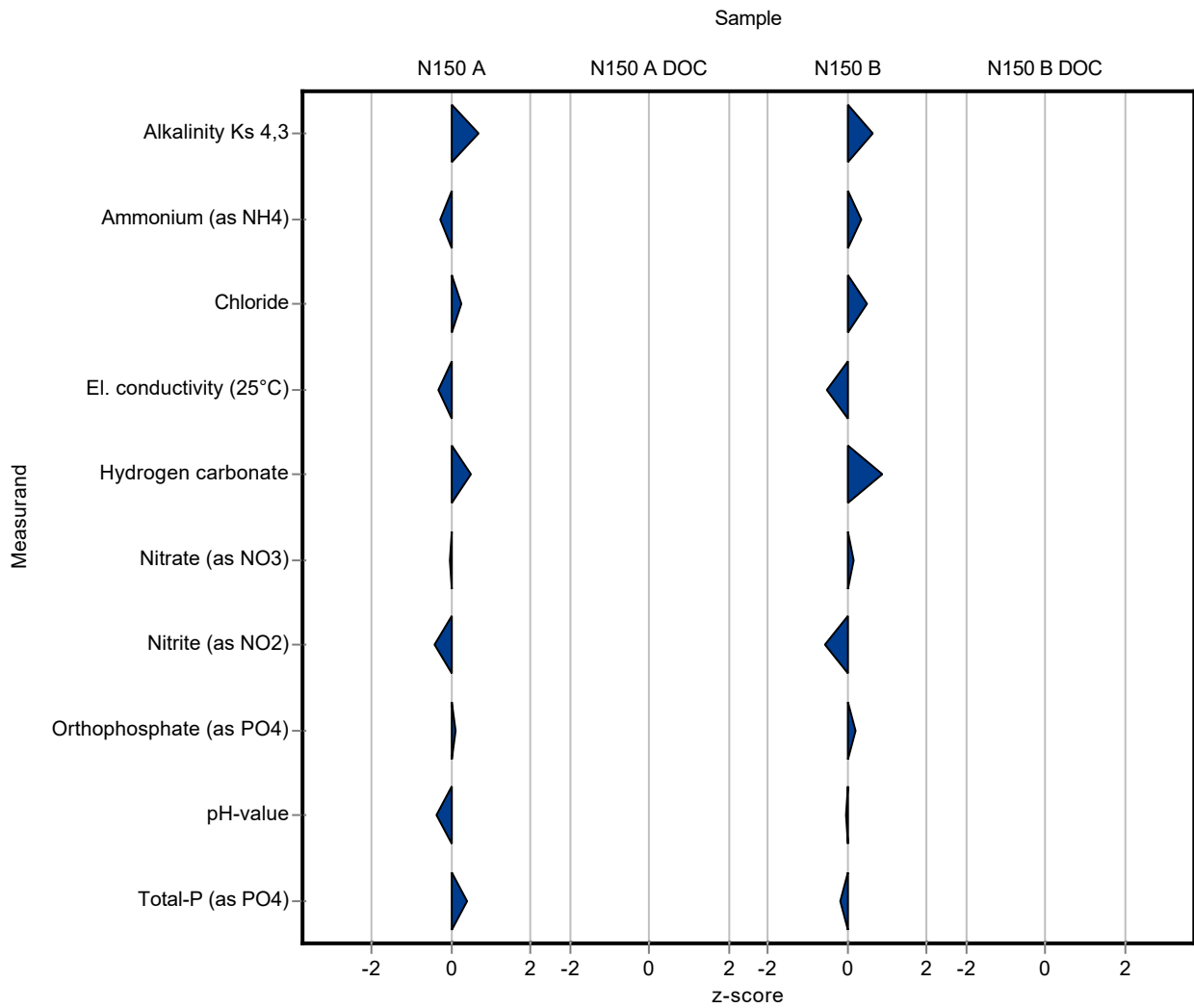
Sample: N150B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	2.74 ± 0.0137	2.77 ± 0.04	0.0547	101	0.64
Ammonium (as NH ₄)	mg/l	0.321 ± 0.00634	0.335 ± 0.05	0.0385	104	0.37
Boron	mg/l	0.00948 ± 0.00044	- ± -	0.00104	-	-
Calcium	mg/l	48.2 ± 0.463	- ± -	1.5	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Chloride	mg/l	11.5 ± 0.13	11.7 ± 0.01	0.459	102	0.49
El. conductivity (25°C)	µS/cm	350 ± 1.44	348 ± 2.46	4.56	99.3	-0.54
Hydrogen carbonate	mg/l	165 ± 1.09	168 ± 2.43	3.3	102	0.89
Magnesium	mg/l	10.9 ± 0.149	- ± -	0.435	-	-
Nitrate (as NO ₃)	mg/l	12 ± 0.174	12.1 ± 0.83	0.601	101	0.14
Nitrite (as NO ₂)	mg/l	0.221 ± 0.00316	0.214 ± 0.02	0.0117	96.9	-0.59
Orthophosphate (as PO ₄)	mg/l	0.166 ± 0.00363	0.169 ± 0.02	0.0149	102	0.20
pH-value	-	7.74 ± 0.033	7.73 ± 0.011	0.155	99.9	-0.03
Potassium	mg/l	1.24 ± 0.0282	- ± -	0.0644	-	-
Sodium	mg/l	6.39 ± 0.087	- ± -	0.217	-	-
Sulfate (as SO ₄)	mg/l	18.3 ± 0.193	- ± -	0.603	-	-
Total-P (as PO ₄)	mg/l	0.7 ± 0.0182	0.69 ± 0.09	0.0525	98.6	-0.19
Total hardness	mmol/l	1.68 ± 0.022	- ± -	0.0504	-	-
Total nitrogen	mg/l	3.1 ± 0.101	- ± -	0.258	-	-

Sample: N150BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.45 ± 0.0593	- ± -	0.245	-	-



Sample: N150A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	4.1 ± 0.0162	4.16 ± 0.12	0.0821	101	0.23
Ammonium (as NH ₄)	mg/l	0.0588 ± 0.0023	0.057 ± 0.01	0.00706	97	-0.09
Boron	mg/l	0.0209 ± 0.000944	- ± -	0.0023	-	-
Calcium	mg/l	71.6 ± 0.691	- ± -	2.22	-	-
Chloride	mg/l	31 ± 0.209	31.3 ± 1.01	1.24	101	0.14
El. conductivity (25°C)	µS/cm	545 ± 2.62	543 ± 3.85	7.09	99.6	-0.26
Hydrogen carbonate	mg/l	249 ± 1.82	252 ± 3.64	4.99	101	0.34
Magnesium	mg/l	16.2 ± 0.207	- ± -	0.648	-	-
Nitrate (as NO ₃)	mg/l	7.06 ± 0.16	7.04 ± 0.48	0.353	99.8	-0.02
Nitrite (as NO ₂)	mg/l	0.202 ± 0.00286	0.197 ± 0.02	0.0107	97.7	-0.12
Orthophosphate (as PO ₄)	mg/l	0.137 ± 0.00441	0.138 ± 0.02	0.0123	101	0.03
pH-value	-	7.77 ± 0.027	7.71 ± 0.01	0.155	99.3	-1.70
Potassium	mg/l	2.28 ± 0.0331	- ± -	0.118	-	-
Sodium	mg/l	17.7 ± 0.216	- ± -	0.602	-	-
Sulfate (as SO ₄)	mg/l	31.2 ± 0.278	- ± -	1.03	-	-
Total-P (as PO ₄)	mg/l	1.48 ± 0.0285	1.53 ± 0.18	0.111	103	0.13
Total hardness	mmol/l	2.48 ± 0.0362	- ± -	0.0745	-	-
Total nitrogen	mg/l	1.76 ± 0.0577	- ± -	0.146	-	-

Sample: N150ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.85 ± 0.0645	- ± -	0.185	-	-

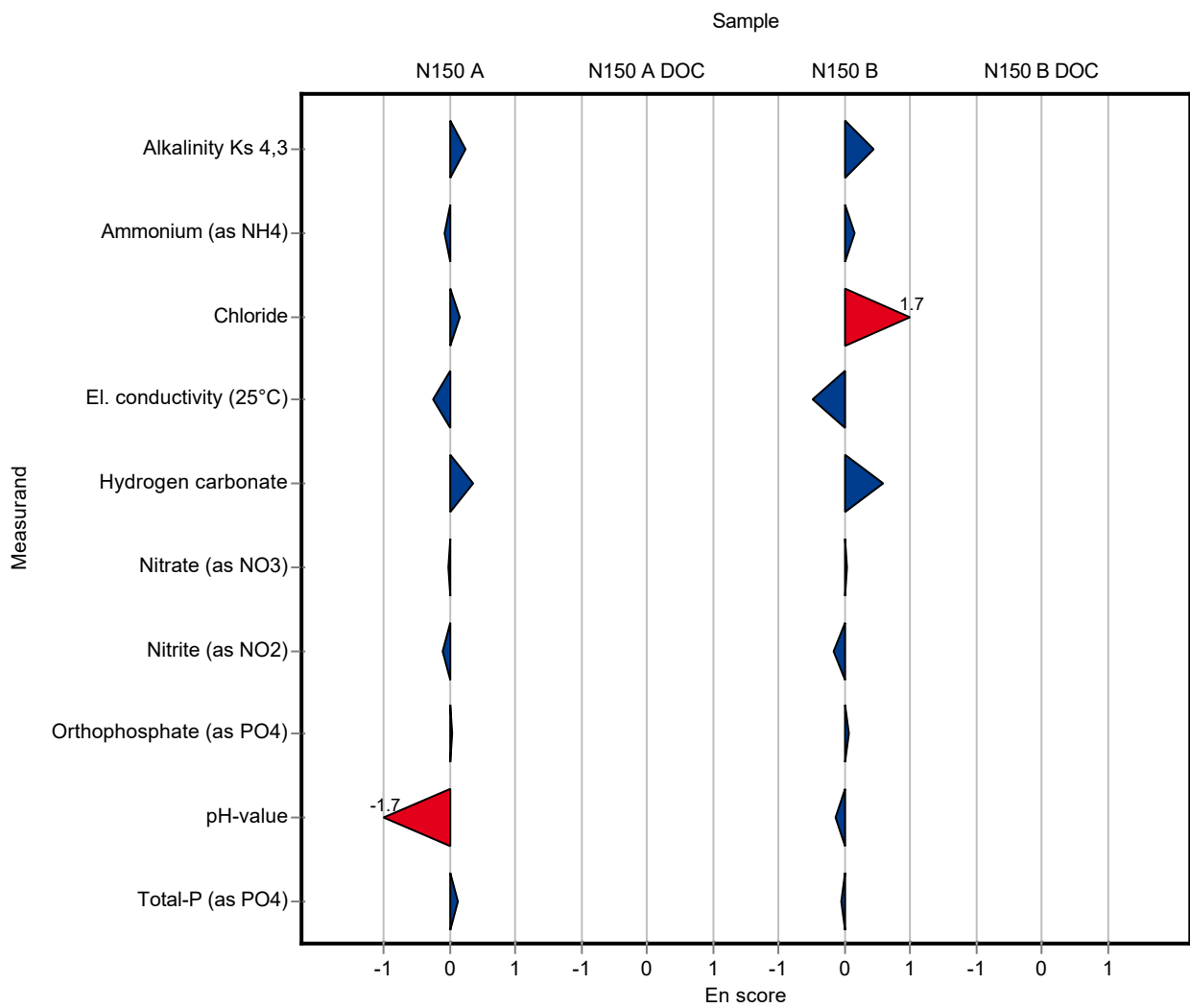
Sample: N150B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	2.74 ± 0.0137	2.77 ± 0.04	0.0547	101	0.43
Ammonium (as NH ₄)	mg/l	0.321 ± 0.00634	0.335 ± 0.05	0.0385	104	0.14
Boron	mg/l	0.00948 ± 0.00044	- ± -	0.00104	-	-
Calcium	mg/l	48.2 ± 0.463	- ± -	1.5	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Chloride	mg/l	11.5 ± 0.13	11.7 ± 0.01	0.459	102	1.70
El. conductivity (25°C)	µS/cm	350 ± 1.44	348 ± 2.46	4.56	99.3	-0.48
Hydrogen carbonate	mg/l	165 ± 1.09	168 ± 2.43	3.3	102	0.59
Magnesium	mg/l	10.9 ± 0.149	- ± -	0.435	-	-
Nitrate (as NO ₃)	mg/l	12 ± 0.174	12.1 ± 0.83	0.601	101	0.05
Nitrite (as NO ₂)	mg/l	0.221 ± 0.00316	0.214 ± 0.02	0.0117	96.9	-0.17
Orthophosphate (as PO ₄)	mg/l	0.166 ± 0.00363	0.169 ± 0.02	0.0149	102	0.08
pH-value	-	7.74 ± 0.033	7.73 ± 0.011	0.155	99.9	-0.13
Potassium	mg/l	1.24 ± 0.0282	- ± -	0.0644	-	-
Sodium	mg/l	6.39 ± 0.087	- ± -	0.217	-	-
Sulfate (as SO ₄)	mg/l	18.3 ± 0.193	- ± -	0.603	-	-
Total-P (as PO ₄)	mg/l	0.7 ± 0.0182	0.69 ± 0.09	0.0525	98.6	-0.06
Total hardness	mmol/l	1.68 ± 0.022	- ± -	0.0504	-	-
Total nitrogen	mg/l	3.1 ± 0.101	- ± -	0.258	-	-

Sample: N150BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	2.45 ± 0.0593	- ± -	0.245	-	-



Sample: N150A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	4.1 ± 0.0162	4.07 ± 0.41	0.0821	99.2	-0.42
Ammonium (as NH ₄)	mg/l	0.0588 ± 0.0023	0.0592 ± 0.006	0.00706	101	0.06
Boron	mg/l	0.0209 ± 0.000944	- ± -	0.0023	-	-
Calcium	mg/l	71.6 ± 0.691	71.5 ± 7.2	2.22	99.8	-0.06
Chloride	mg/l	31 ± 0.209	30.1 ± 3	1.24	97.1	-0.73
El. conductivity (25°C)	µS/cm	545 ± 2.62	549 ± 5	7.09	101	0.55
Hydrogen carbonate	mg/l	249 ± 1.82	248.3 ± 24.8	4.99	99.6	-0.23
Magnesium	mg/l	16.2 ± 0.207	16.4 ± 1.7	0.648	101	0.31
Nitrate (as NO ₃)	mg/l	7.06 ± 0.16	7.3 ± 0.8	0.353	103	0.69
Nitrite (as NO ₂)	mg/l	0.202 ± 0.00286	0.1978 ± 0.02	0.0107	98.1	-0.36
Orthophosphate (as PO ₄)	mg/l	0.137 ± 0.00441	0.144 ± 0.028	0.0123	105	0.60
pH-value	-	7.77 ± 0.027	7.7 ± 0.1	0.155	99.1	-0.43
Potassium	mg/l	2.28 ± 0.0331	2.22 ± 0.23	0.118	97.5	-0.49
Sodium	mg/l	17.7 ± 0.216	17.3 ± 1.8	0.602	97.7	-0.68
Sulfate (as SO ₄)	mg/l	31.2 ± 0.278	30.7 ± 3.1	1.03	98.4	-0.48
Total-P (as PO ₄)	mg/l	1.48 ± 0.0285	1.429 ± 0.286	0.111	96.3	-0.49
Total hardness	mmol/l	2.48 ± 0.0362	2.46 ± 0.25	0.0745	99	-0.32
Total nitrogen	mg/l	1.76 ± 0.0577	- ± -	0.146	-	-

Sample: N150ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.85 ± 0.0645	1.772 ± 0.1772	0.185	95.7	-0.43

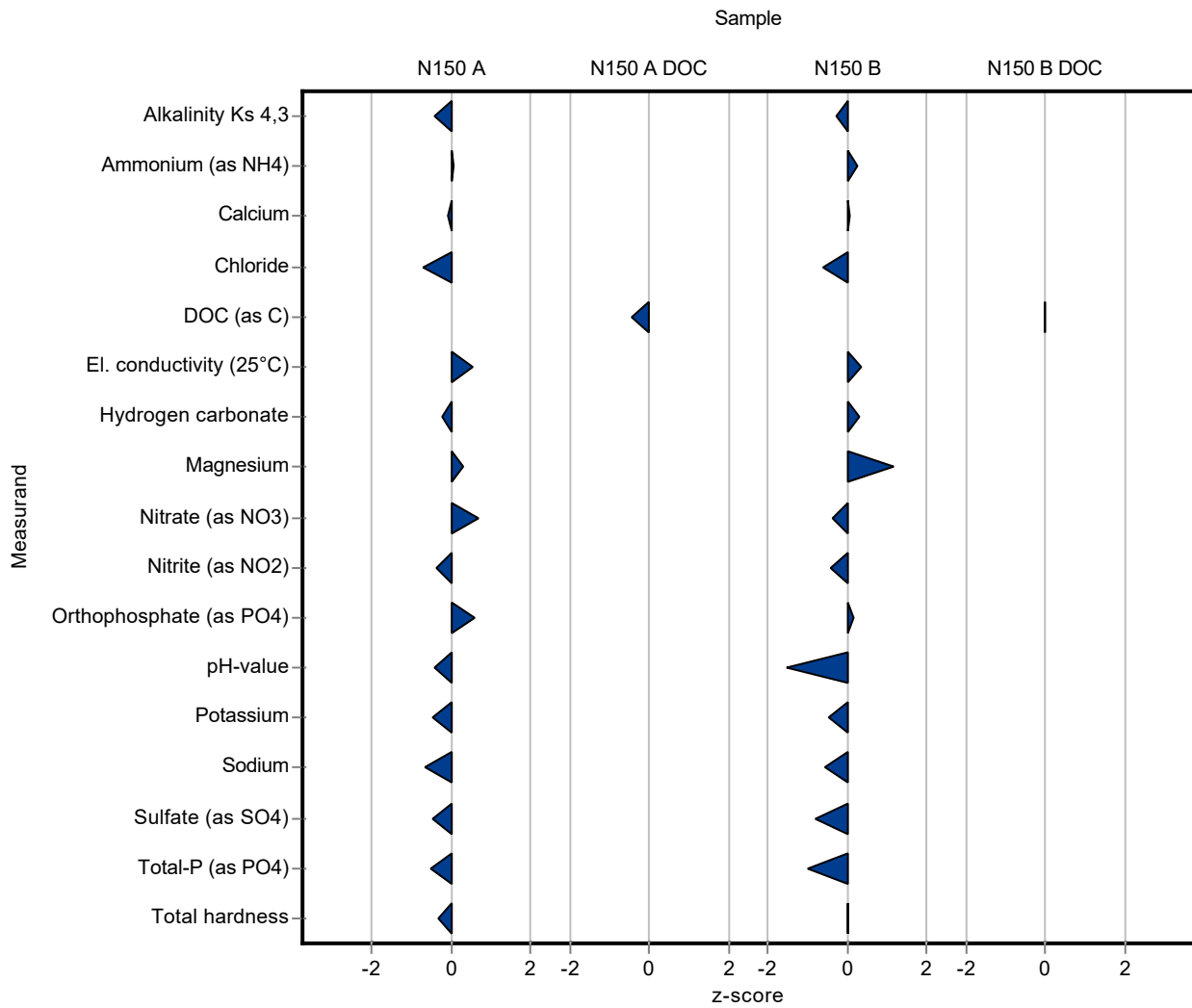
Sample: N150B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	2.74 ± 0.0137	2.72 ± 0.27	0.0547	99.5	-0.28
Ammonium (as NH ₄)	mg/l	0.321 ± 0.00634	0.33 ± 0.03	0.0385	103	0.24
Boron	mg/l	0.00948 ± 0.00044	- ± -	0.00104	-	-
Calcium	mg/l	48.2 ± 0.463	48.3 ± 4.9	1.5	100	0.04

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Chloride	mg/l	11.5 ± 0.13	11.2 ± 1.1	0.459	97.6	-0.60
El. conductivity (25°C)	µS/cm	350 ± 1.44	352 ± 5	4.56	100	0.34
Hydrogen carbonate	mg/l	165 ± 1.09	166 ± 16.6	3.3	101	0.29
Magnesium	mg/l	10.9 ± 0.149	11.4 ± 1.2	0.435	105	1.19
Nitrate (as NO ₃)	mg/l	12 ± 0.174	11.8 ± 1.2	0.601	98.2	-0.36
Nitrite (as NO ₂)	mg/l	0.221 ± 0.00316	0.2159 ± 0.022	0.0117	97.7	-0.43
Orthophosphate (as PO ₄)	mg/l	0.166 ± 0.00363	0.168 ± 0.034	0.0149	101	0.14
pH-value	-	7.74 ± 0.033	7.5 ± 0.1	0.155	97	-1.52
Potassium	mg/l	1.24 ± 0.0282	1.21 ± 0.12	0.0644	97.6	-0.45
Sodium	mg/l	6.39 ± 0.087	6.27 ± 0.63	0.217	98.1	-0.56
Sulfate (as SO ₄)	mg/l	18.3 ± 0.193	17.8 ± 1.8	0.603	97.4	-0.79
Total-P (as PO ₄)	mg/l	0.7 ± 0.0182	0.647 ± 0.129	0.0525	92.4	-1.01
Total hardness	mmol/l	1.68 ± 0.022	1.68 ± 0.17	0.0504	100	0.00
Total nitrogen	mg/l	3.1 ± 0.101	- ± -	0.258	-	-

Sample: N150BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.45 ± 0.0593	2.447 ± 0.2447	0.245	100	0.00



Sample: N150A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	4.1 ± 0.0162	4.07 ± 0.41	0.0821	99.2	-0.04
Ammonium (as NH4)	mg/l	0.0588 ± 0.0023	0.0592 ± 0.006	0.00706	101	0.03
Boron	mg/l	0.0209 ± 0.000944	- ± -	0.0023	-	-
Calcium	mg/l	71.6 ± 0.691	71.5 ± 7.2	2.22	99.8	-0.01
Chloride	mg/l	31 ± 0.209	30.1 ± 3	1.24	97.1	-0.15
El. conductivity (25°C)	µS/cm	545 ± 2.62	549 ± 5	7.09	101	0.38
Hydrogen carbonate	mg/l	249 ± 1.82	248.3 ± 24.8	4.99	99.6	-0.02
Magnesium	mg/l	16.2 ± 0.207	16.4 ± 1.7	0.648	101	0.06
Nitrate (as NO3)	mg/l	7.06 ± 0.16	7.3 ± 0.8	0.353	103	0.15
Nitrite (as NO2)	mg/l	0.202 ± 0.00286	0.1978 ± 0.02	0.0107	98.1	-0.10
Orthophosphate (as PO4)	mg/l	0.137 ± 0.00441	0.144 ± 0.028	0.0123	105	0.13
pH-value	-	7.77 ± 0.027	7.7 ± 0.1	0.155	99.1	-0.33
Potassium	mg/l	2.28 ± 0.0331	2.22 ± 0.23	0.118	97.5	-0.13
Sodium	mg/l	17.7 ± 0.216	17.3 ± 1.8	0.602	97.7	-0.11
Sulfate (as SO4)	mg/l	31.2 ± 0.278	30.7 ± 3.1	1.03	98.4	-0.08
Total-P (as PO4)	mg/l	1.48 ± 0.0285	1.429 ± 0.286	0.111	96.3	-0.10
Total hardness	mmol/l	2.48 ± 0.0362	2.46 ± 0.25	0.0745	99	-0.05
Total nitrogen	mg/l	1.76 ± 0.0577	- ± -	0.146	-	-

Sample: N150ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.85 ± 0.0645	1.772 ± 0.1772	0.185	95.7	-0.22

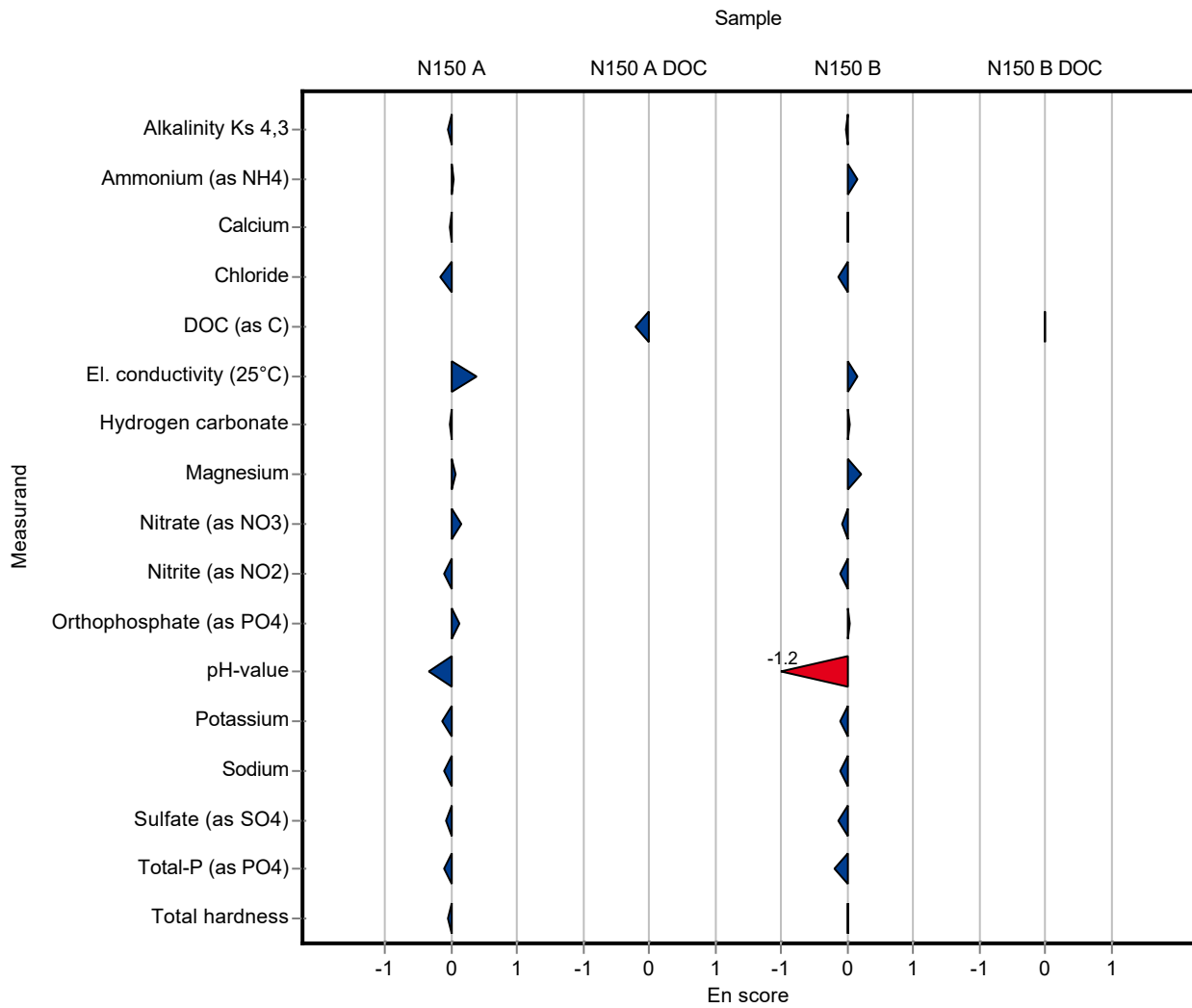
Sample: N150B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	2.74 ± 0.0137	2.72 ± 0.27	0.0547	99.5	-0.03
Ammonium (as NH4)	mg/l	0.321 ± 0.00634	0.33 ± 0.03	0.0385	103	0.15
Boron	mg/l	0.00948 ± 0.00044	- ± -	0.00104	-	-
Calcium	mg/l	48.2 ± 0.463	48.3 ± 4.9	1.5	100	0.01

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Chloride	mg/l	11.5 ± 0.13	11.2 ± 1.1	0.459	97.6	-0.13
El. conductivity (25°C)	µS/cm	350 ± 1.44	352 ± 5	4.56	100	0.15
Hydrogen carbonate	mg/l	165 ± 1.09	166 ± 16.6	3.3	101	0.03
Magnesium	mg/l	10.9 ± 0.149	11.4 ± 1.2	0.435	105	0.21
Nitrate (as NO ₃)	mg/l	12 ± 0.174	11.8 ± 1.2	0.601	98.2	-0.09
Nitrite (as NO ₂)	mg/l	0.221 ± 0.00316	0.2159 ± 0.022	0.0117	97.7	-0.11
Orthophosphate (as PO ₄)	mg/l	0.166 ± 0.00363	0.168 ± 0.034	0.0149	101	0.03
pH-value	-	7.74 ± 0.033	7.5 ± 0.1	0.155	97	-1.16
Potassium	mg/l	1.24 ± 0.0282	1.21 ± 0.12	0.0644	97.6	-0.12
Sodium	mg/l	6.39 ± 0.087	6.27 ± 0.63	0.217	98.1	-0.10
Sulfate (as SO ₄)	mg/l	18.3 ± 0.193	17.8 ± 1.8	0.603	97.4	-0.13
Total-P (as PO ₄)	mg/l	0.7 ± 0.0182	0.647 ± 0.129	0.0525	92.4	-0.20
Total hardness	mmol/l	1.68 ± 0.022	1.68 ± 0.17	0.0504	100	0.00
Total nitrogen	mg/l	3.1 ± 0.101	- ± -	0.258	-	-

Sample: N150BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	2.45 ± 0.0593	2.447 ± 0.2447	0.245	100	0.00



Sample: N150A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	4.1 ± 0.0162	1.81 ± 0.2	0.0821	44.1	-28.00
Ammonium (as NH ₄)	mg/l	0.0588 ± 0.0023	0.02945 ± 0.002	0.00706	50.1	-4.15
Boron	mg/l	0.0209 ± 0.000944	- ± -	0.0023	-	-
Calcium	mg/l	71.6 ± 0.691	71.903 ± 7	2.22	100	0.12
Chloride	mg/l	31 ± 0.209	33.84 ± 2.4	1.24	109	2.29
El. conductivity (25°C)	µS/cm	545 ± 2.62	544 ± 27.2	7.09	99.8	-0.16
Hydrogen carbonate	mg/l	249 ± 1.82	268.4 ± 18.8	4.99	108	3.80
Magnesium	mg/l	16.2 ± 0.207	17.073 ± 1.7	0.648	105	1.34
Nitrate (as NO ₃)	mg/l	7.06 ± 0.16	6.85 ± 0.3	0.353	97.1	-0.59
Nitrite (as NO ₂)	mg/l	0.202 ± 0.00286	0.1965 ± 0.01	0.0107	97.4	-0.48
Orthophosphate (as PO ₄)	mg/l	0.137 ± 0.00441	0.2208 ± 0.02	0.0123	162	6.84
pH-value	-	7.77 ± 0.027	7.329 ± 0.4	0.155	94.4	-2.82
Potassium	mg/l	2.28 ± 0.0331	2.7 ± 0.3	0.118	119	3.57
Sodium	mg/l	17.7 ± 0.216	19.05 ± 2	0.602	108	2.22
Sulfate (as SO ₄)	mg/l	31.2 ± 0.278	28.13 ± 1.4	1.03	90.2	-2.98
Total-P (as PO ₄)	mg/l	1.48 ± 0.0285	0.072 ± 0.007	0.111	4.85	-12.70
Total hardness	mmol/l	2.48 ± 0.0362	2.496 ± 0.1	0.0745	100	0.16
Total nitrogen	mg/l	1.76 ± 0.0577	1.6301 ± 0.2	0.146	92.6	-0.89

Sample: N150ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.85 ± 0.0645	4.2 ± 0.3	0.185	227	12.70

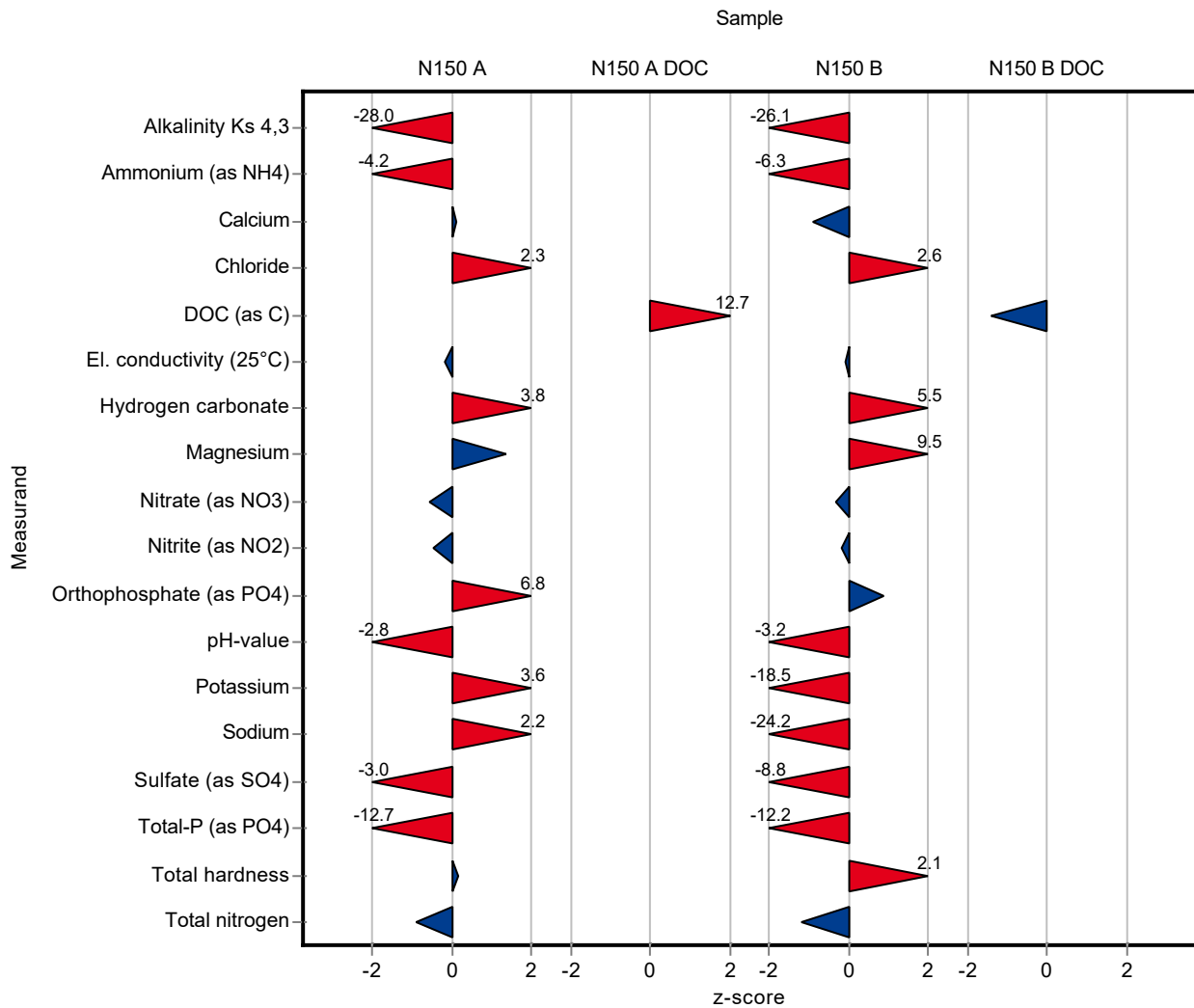
Sample: N150B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	2.74 ± 0.0137	1.31 ± 0.1	0.0547	47.9	-26.10
Ammonium (as NH ₄)	mg/l	0.321 ± 0.00634	0.077 ± 0.004	0.0385	24	-6.33
Boron	mg/l	0.00948 ± 0.00044	- ± -	0.00104	-	-
Calcium	mg/l	48.2 ± 0.463	46.894 ± 5	1.5	97.2	-0.90

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Chloride	mg/l	11.5 ± 0.13	12.65 ± 0.9	0.459	110	2.56
El. conductivity (25°C)	µS/cm	350 ± 1.44	350 ± 17.5	4.56	99.9	-0.10
Hydrogen carbonate	mg/l	165 ± 1.09	183.06 ± 12.8	3.3	111	5.46
Magnesium	mg/l	10.9 ± 0.149	15.03 ± 1.5	0.435	138	9.53
Nitrate (as NO ₃)	mg/l	12 ± 0.174	11.83 ± 0.6	0.601	98.4	-0.31
Nitrite (as NO ₂)	mg/l	0.221 ± 0.00316	0.2186 ± 0.02	0.0117	99	-0.20
Orthophosphate (as PO ₄)	mg/l	0.166 ± 0.00363	0.1789 ± 0.02	0.0149	108	0.86
pH-value	-	7.74 ± 0.033	7.244 ± 0.4	0.155	93.6	-3.18
Potassium	mg/l	1.24 ± 0.0282	0.05 ± 0.01	0.0644	4.03	-18.50
Sodium	mg/l	6.39 ± 0.087	1.14 ± 0.1	0.217	17.8	-24.20
Sulfate (as SO ₄)	mg/l	18.3 ± 0.193	13 ± 0.7	0.603	71.1	-8.75
Total-P (as PO ₄)	mg/l	0.7 ± 0.0182	0.0583 ± 0.006	0.0525	8.33	-12.20
Total hardness	mmol/l	1.68 ± 0.022	1.788 ± 0.1	0.0504	106	2.14
Total nitrogen	mg/l	3.1 ± 0.101	2.7988 ± 0.3	0.258	90.2	-1.18

Sample: N150BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.45 ± 0.0593	2.1 ± 0.2	0.245	85.9	-1.41



Sample: N150A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	4.1 ± 0.0162	1.81 ± 0.2	0.0821	44.1	-5.73
Ammonium (as NH4)	mg/l	0.0588 ± 0.0023	0.02945 ± 0.002	0.00706	50.1	-6.35
Boron	mg/l	0.0209 ± 0.000944	- ± -	0.0023	-	-
Calcium	mg/l	71.6 ± 0.691	71.903 ± 7	2.22	100	0.02
Chloride	mg/l	31 ± 0.209	33.84 ± 2.4	1.24	109	0.59
El. conductivity (25°C)	µS/cm	545 ± 2.62	544 ± 27.2	7.09	99.8	-0.02
Hydrogen carbonate	mg/l	249 ± 1.82	268.4 ± 18.8	4.99	108	0.50
Magnesium	mg/l	16.2 ± 0.207	17.073 ± 1.7	0.648	105	0.26
Nitrate (as NO3)	mg/l	7.06 ± 0.16	6.85 ± 0.3	0.353	97.1	-0.33
Nitrite (as NO2)	mg/l	0.202 ± 0.00286	0.1965 ± 0.01	0.0107	97.4	-0.26
Orthophosphate (as PO4)	mg/l	0.137 ± 0.00441	0.2208 ± 0.02	0.0123	162	2.09
pH-value	-	7.77 ± 0.027	7.329 ± 0.4	0.155	94.4	-0.55
Potassium	mg/l	2.28 ± 0.0331	2.7 ± 0.3	0.118	119	0.70
Sodium	mg/l	17.7 ± 0.216	19.05 ± 2	0.602	108	0.33
Sulfate (as SO4)	mg/l	31.2 ± 0.278	28.13 ± 1.4	1.03	90.2	-1.09
Total-P (as PO4)	mg/l	1.48 ± 0.0285	0.072 ± 0.007	0.111	4.85	-44.50
Total hardness	mmol/l	2.48 ± 0.0362	2.496 ± 0.1	0.0745	100	0.06
Total nitrogen	mg/l	1.76 ± 0.0577	1.6301 ± 0.2	0.146	92.6	-0.32

Sample: N150ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.85 ± 0.0645	4.2 ± 0.3	0.185	227	3.89

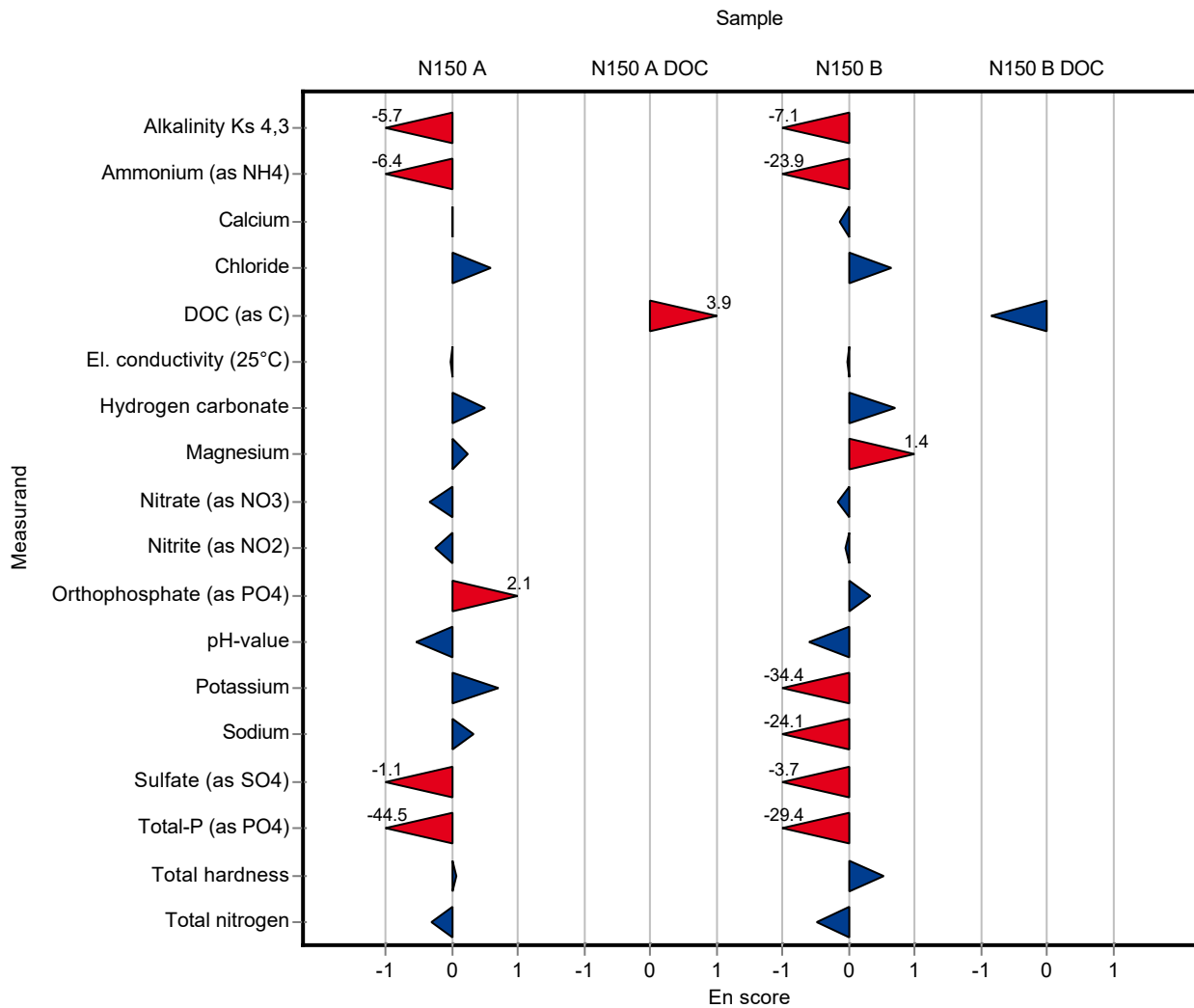
Sample: N150B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	2.74 ± 0.0137	1.31 ± 0.1	0.0547	47.9	-7.11
Ammonium (as NH4)	mg/l	0.321 ± 0.00634	0.077 ± 0.004	0.0385	24	-23.90
Boron	mg/l	0.00948 ± 0.00044	- ± -	0.00104	-	-
Calcium	mg/l	48.2 ± 0.463	46.894 ± 5	1.5	97.2	-0.13

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Chloride	mg/l	11.5 ± 0.13	12.65 ± 0.9	0.459	110	0.65
El. conductivity (25°C)	µS/cm	350 ± 1.44	350 ± 17.5	4.56	99.9	-0.01
Hydrogen carbonate	mg/l	165 ± 1.09	183.06 ± 12.8	3.3	111	0.70
Magnesium	mg/l	10.9 ± 0.149	15.03 ± 1.5	0.435	138	1.38
Nitrate (as NO ₃)	mg/l	12 ± 0.174	11.83 ± 0.6	0.601	98.4	-0.15
Nitrite (as NO ₂)	mg/l	0.221 ± 0.00316	0.2186 ± 0.02	0.0117	99	-0.06
Orthophosphate (as PO ₄)	mg/l	0.166 ± 0.00363	0.1789 ± 0.02	0.0149	108	0.32
pH-value	-	7.74 ± 0.033	7.244 ± 0.4	0.155	93.6	-0.61
Potassium	mg/l	1.24 ± 0.0282	0.05 ± 0.01	0.0644	4.03	-34.40
Sodium	mg/l	6.39 ± 0.087	1.14 ± 0.1	0.217	17.8	-24.10
Sulfate (as SO ₄)	mg/l	18.3 ± 0.193	13 ± 0.7	0.603	71.1	-3.74
Total-P (as PO ₄)	mg/l	0.7 ± 0.0182	0.0583 ± 0.006	0.0525	8.33	-29.40
Total hardness	mmol/l	1.68 ± 0.022	1.788 ± 0.1	0.0504	106	0.54
Total nitrogen	mg/l	3.1 ± 0.101	2.7988 ± 0.3	0.258	90.2	-0.50

Sample: N150BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	2.45 ± 0.0593	2.1 ± 0.2	0.245	85.9	-0.86



Sample: N150A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	4.1 ± 0.0162	- ± -	0.0821	-	-
Ammonium (as NH ₄)	mg/l	0.0588 ± 0.0023	- ± -	0.00706	-	-
Boron	mg/l	0.0209 ± 0.000944	- ± -	0.0023	-	-
Calcium	mg/l	71.6 ± 0.691	- ± -	2.22	-	-
Chloride	mg/l	31 ± 0.209	- ± -	1.24	-	-
El. conductivity (25°C)	µS/cm	545 ± 2.62	- ± -	7.09	-	-
Hydrogen carbonate	mg/l	249 ± 1.82	- ± -	4.99	-	-
Magnesium	mg/l	16.2 ± 0.207	- ± -	0.648	-	-
Nitrate (as NO ₃)	mg/l	7.06 ± 0.16	- ± -	0.353	-	-
Nitrite (as NO ₂)	mg/l	0.202 ± 0.00286	- ± -	0.0107	-	-
Orthophosphate (as PO ₄)	mg/l	0.137 ± 0.00441	- ± -	0.0123	-	-
pH-value	-	7.77 ± 0.027	7.7 ± 0.1	0.155	99.1	-0.43
Potassium	mg/l	2.28 ± 0.0331	- ± -	0.118	-	-
Sodium	mg/l	17.7 ± 0.216	- ± -	0.602	-	-
Sulfate (as SO ₄)	mg/l	31.2 ± 0.278	- ± -	1.03	-	-
Total-P (as PO ₄)	mg/l	1.48 ± 0.0285	- ± -	0.111	-	-
Total hardness	mmol/l	2.48 ± 0.0362	- ± -	0.0745	-	-
Total nitrogen	mg/l	1.76 ± 0.0577	- ± -	0.146	-	-

Sample: N150ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.85 ± 0.0645	- ± -	0.185	-	-

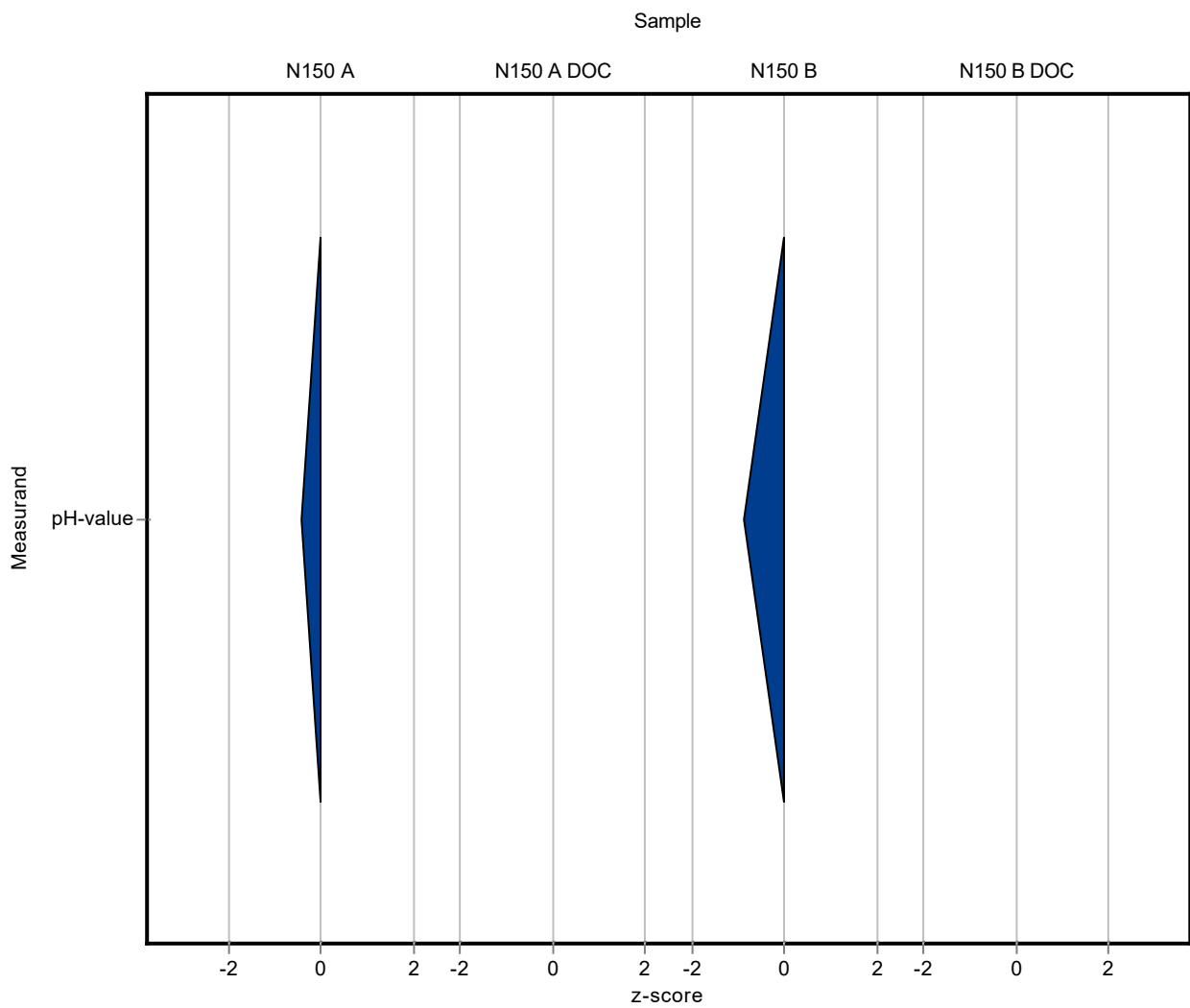
Sample: N150B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	2.74 ± 0.0137	- ± -	0.0547	-	-
Ammonium (as NH ₄)	mg/l	0.321 ± 0.00634	- ± -	0.0385	-	-
Boron	mg/l	0.00948 ± 0.00044	- ± -	0.00104	-	-
Calcium	mg/l	48.2 ± 0.463	- ± -	1.5	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Chloride	mg/l	11.5 ± 0.13	- ± -	0.459	-	-
El. conductivity (25°C)	µS/cm	350 ± 1.44	- ± -	4.56	-	-
Hydrogen carbonate	mg/l	165 ± 1.09	- ± -	3.3	-	-
Magnesium	mg/l	10.9 ± 0.149	- ± -	0.435	-	-
Nitrate (as NO ₃)	mg/l	12 ± 0.174	- ± -	0.601	-	-
Nitrite (as NO ₂)	mg/l	0.221 ± 0.00316	- ± -	0.0117	-	-
Orthophosphate (as PO ₄)	mg/l	0.166 ± 0.00363	- ± -	0.0149	-	-
pH-value	-	7.74 ± 0.033	7.6 ± 0.1	0.155	98.3	-0.87
Potassium	mg/l	1.24 ± 0.0282	- ± -	0.0644	-	-
Sodium	mg/l	6.39 ± 0.087	- ± -	0.217	-	-
Sulfate (as SO ₄)	mg/l	18.3 ± 0.193	- ± -	0.603	-	-
Total-P (as PO ₄)	mg/l	0.7 ± 0.0182	- ± -	0.0525	-	-
Total hardness	mmol/l	1.68 ± 0.022	- ± -	0.0504	-	-
Total nitrogen	mg/l	3.1 ± 0.101	- ± -	0.258	-	-

Sample: N150BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.45 ± 0.0593	- ± -	0.245	-	-



Sample: N150A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	4.1 ± 0.0162	- ± -	0.0821	-	-
Ammonium (as NH4)	mg/l	0.0588 ± 0.0023	- ± -	0.00706	-	-
Boron	mg/l	0.0209 ± 0.000944	- ± -	0.0023	-	-
Calcium	mg/l	71.6 ± 0.691	- ± -	2.22	-	-
Chloride	mg/l	31 ± 0.209	- ± -	1.24	-	-
El. conductivity (25°C)	µS/cm	545 ± 2.62	- ± -	7.09	-	-
Hydrogen carbonate	mg/l	249 ± 1.82	- ± -	4.99	-	-
Magnesium	mg/l	16.2 ± 0.207	- ± -	0.648	-	-
Nitrate (as NO3)	mg/l	7.06 ± 0.16	- ± -	0.353	-	-
Nitrite (as NO2)	mg/l	0.202 ± 0.00286	- ± -	0.0107	-	-
Orthophosphate (as PO4)	mg/l	0.137 ± 0.00441	- ± -	0.0123	-	-
pH-value	-	7.77 ± 0.027	7.7 ± 0.1	0.155	99.1	-0.33
Potassium	mg/l	2.28 ± 0.0331	- ± -	0.118	-	-
Sodium	mg/l	17.7 ± 0.216	- ± -	0.602	-	-
Sulfate (as SO4)	mg/l	31.2 ± 0.278	- ± -	1.03	-	-
Total-P (as PO4)	mg/l	1.48 ± 0.0285	- ± -	0.111	-	-
Total hardness	mmol/l	2.48 ± 0.0362	- ± -	0.0745	-	-
Total nitrogen	mg/l	1.76 ± 0.0577	- ± -	0.146	-	-

Sample: N150ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.85 ± 0.0645	- ± -	0.185	-	-

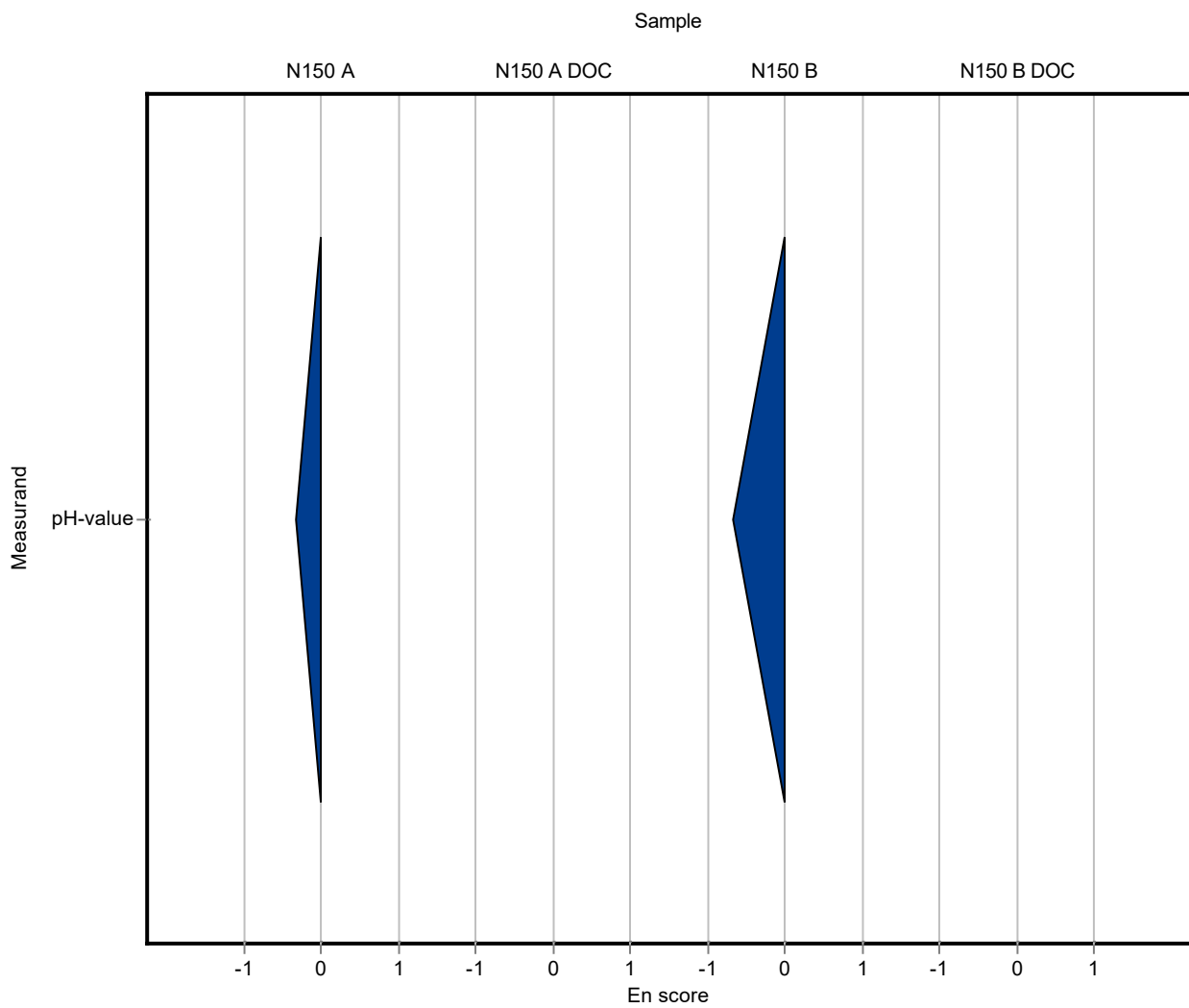
Sample: N150B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	2.74 ± 0.0137	- ± -	0.0547	-	-
Ammonium (as NH4)	mg/l	0.321 ± 0.00634	- ± -	0.0385	-	-
Boron	mg/l	0.00948 ± 0.00044	- ± -	0.00104	-	-
Calcium	mg/l	48.2 ± 0.463	- ± -	1.5	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Chloride	mg/l	11.5 ± 0.13	- ± -	0.459	-	-
El. conductivity (25°C)	µS/cm	350 ± 1.44	- ± -	4.56	-	-
Hydrogen carbonate	mg/l	165 ± 1.09	- ± -	3.3	-	-
Magnesium	mg/l	10.9 ± 0.149	- ± -	0.435	-	-
Nitrate (as NO ₃)	mg/l	12 ± 0.174	- ± -	0.601	-	-
Nitrite (as NO ₂)	mg/l	0.221 ± 0.00316	- ± -	0.0117	-	-
Orthophosphate (as PO ₄)	mg/l	0.166 ± 0.00363	- ± -	0.0149	-	-
pH-value	-	7.74 ± 0.033	7.6 ± 0.1	0.155	98.3	-0.67
Potassium	mg/l	1.24 ± 0.0282	- ± -	0.0644	-	-
Sodium	mg/l	6.39 ± 0.087	- ± -	0.217	-	-
Sulfate (as SO ₄)	mg/l	18.3 ± 0.193	- ± -	0.603	-	-
Total-P (as PO ₄)	mg/l	0.7 ± 0.0182	- ± -	0.0525	-	-
Total hardness	mmol/l	1.68 ± 0.022	- ± -	0.0504	-	-
Total nitrogen	mg/l	3.1 ± 0.101	- ± -	0.258	-	-

Sample: N150BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	2.45 ± 0.0593	- ± -	0.245	-	-



Sample: N150A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	4.1 ± 0.0162	4.1 ± 0.164	0.0821	99.9	-0.05
Ammonium (as NH ₄)	mg/l	0.0588 ± 0.0023	0.061 ± 0.005	0.00706	104	0.31
Boron	mg/l	0.0209 ± 0.000944	0.022 ± 0.004	0.0023	105	0.46
Calcium	mg/l	71.6 ± 0.691	72.2 ± 6.5	2.22	101	0.26
Chloride	mg/l	31 ± 0.209	30.5 ± 2.7	1.24	98.4	-0.41
El. conductivity (25°C)	µS/cm	545 ± 2.62	538 ± 22	7.09	98.7	-1.00
Hydrogen carbonate	mg/l	249 ± 1.82	247 ± 10	4.99	99	-0.48
Magnesium	mg/l	16.2 ± 0.207	15.8 ± 1.42	0.648	97.5	-0.62
Nitrate (as NO ₃)	mg/l	7.06 ± 0.16	6.82 ± 0.614	0.353	96.6	-0.67
Nitrite (as NO ₂)	mg/l	0.202 ± 0.00286	0.246 ± 0.022	0.0107	122	4.15
Orthophosphate (as PO ₄)	mg/l	0.137 ± 0.00441	0.143 ± 0.013	0.0123	105	0.51
pH-value	-	7.77 ± 0.027	7.88 ± 0.315	0.155	101	0.73
Potassium	mg/l	2.28 ± 0.0331	2.36 ± 0.212	0.118	104	0.69
Sodium	mg/l	17.7 ± 0.216	17.6 ± 1.58	0.602	99.4	-0.18
Sulfate (as SO ₄)	mg/l	31.2 ± 0.278	29.9 ± 2.69	1.03	95.8	-1.26
Total-P (as PO ₄)	mg/l	1.48 ± 0.0285	1.54 ± 0.062	0.111	104	0.50
Total hardness	mmol/l	2.48 ± 0.0362	2.45 ± 0.221	0.0745	98.6	-0.46
Total nitrogen	mg/l	1.76 ± 0.0577	1.76 ± 0.158	0.146	100	0.00

Sample: N150ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.85 ± 0.0645	1.96 ± 0.176	0.185	106	0.59

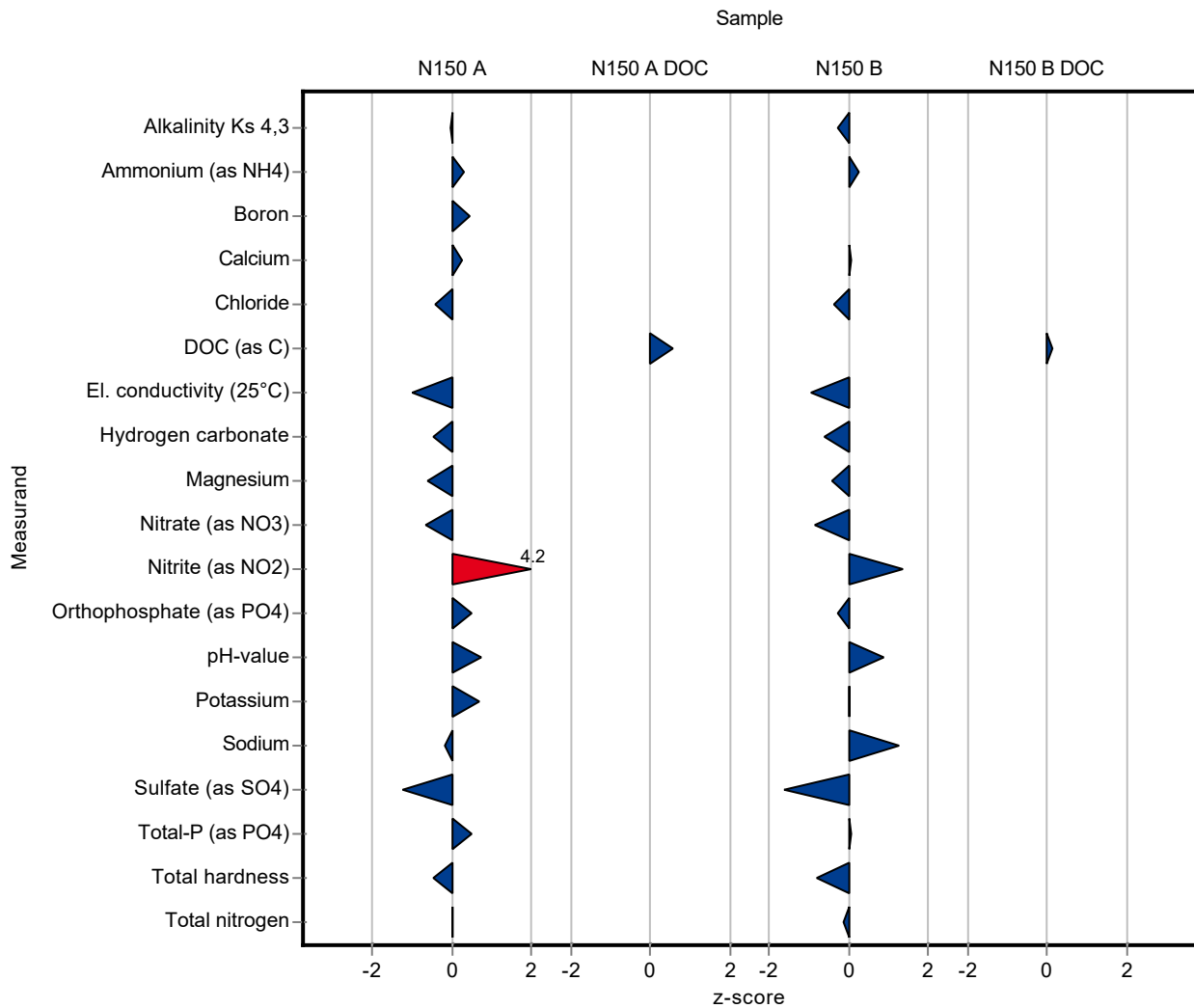
Sample: N150B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	2.74 ± 0.0137	2.72 ± 0.109	0.0547	99.5	-0.28
Ammonium (as NH ₄)	mg/l	0.321 ± 0.00634	0.331 ± 0.03	0.0385	103	0.27
Boron	mg/l	0.00948 ± 0.00044	<0.01 (LOQ) ± -	0.00104	-	-
Calcium	mg/l	48.2 ± 0.463	48.3 ± 4.35	1.5	100	0.04

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Chloride	mg/l	11.5 ± 0.13	11.3 ± 1.02	0.459	98.5	-0.38
El. conductivity (25°C)	µS/cm	350 ± 1.44	346 ± 13.8	4.56	98.7	-0.98
Hydrogen carbonate	mg/l	165 ± 1.09	163 ± 6.52	3.3	98.8	-0.62
Magnesium	mg/l	10.9 ± 0.149	10.7 ± 0.963	0.435	98.3	-0.42
Nitrate (as NO ₃)	mg/l	12 ± 0.174	11.5 ± 1.04	0.601	95.7	-0.86
Nitrite (as NO ₂)	mg/l	0.221 ± 0.00316	0.237 ± 0.021	0.0117	107	1.38
Orthophosphate (as PO ₄)	mg/l	0.166 ± 0.00363	0.162 ± 0.015	0.0149	97.6	-0.27
pH-value	-	7.74 ± 0.033	7.87 ± 0.315	0.155	102	0.87
Potassium	mg/l	1.24 ± 0.0282	1.24 ± 0.112	0.0644	100	0.01
Sodium	mg/l	6.39 ± 0.087	6.67 ± 0.6	0.217	104	1.28
Sulfate (as SO ₄)	mg/l	18.3 ± 0.193	17.3 ± 1.56	0.603	94.6	-1.62
Total-P (as PO ₄)	mg/l	0.7 ± 0.0182	0.702 ± 0.028	0.0525	100	0.04
Total hardness	mmol/l	1.68 ± 0.022	1.64 ± 0.148	0.0504	97.6	-0.79
Total nitrogen	mg/l	3.1 ± 0.101	3.07 ± 0.276	0.258	98.9	-0.13

Sample: N150BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.45 ± 0.0593	2.48 ± 0.223	0.245	101	0.14



Sample: N150A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	4.1 ± 0.0162	4.1 ± 0.164	0.0821	99.9	-0.01
Ammonium (as NH ₄)	mg/l	0.0588 ± 0.0023	0.061 ± 0.005	0.00706	104	0.22
Boron	mg/l	0.0209 ± 0.000944	0.022 ± 0.004	0.0023	105	0.13
Calcium	mg/l	71.6 ± 0.691	72.2 ± 6.5	2.22	101	0.04
Chloride	mg/l	31 ± 0.209	30.5 ± 2.7	1.24	98.4	-0.09
El. conductivity (25°C)	µS/cm	545 ± 2.62	538 ± 22	7.09	98.7	-0.16
Hydrogen carbonate	mg/l	249 ± 1.82	247 ± 10	4.99	99	-0.12
Magnesium	mg/l	16.2 ± 0.207	15.8 ± 1.42	0.648	97.5	-0.14
Nitrate (as NO ₃)	mg/l	7.06 ± 0.16	6.82 ± 0.614	0.353	96.6	-0.19
Nitrite (as NO ₂)	mg/l	0.202 ± 0.00286	0.246 ± 0.022	0.0107	122	1.01
Orthophosphate (as PO ₄)	mg/l	0.137 ± 0.00441	0.143 ± 0.013	0.0123	105	0.24
pH-value	-	7.77 ± 0.027	7.88 ± 0.315	0.155	101	0.18
Potassium	mg/l	2.28 ± 0.0331	2.36 ± 0.212	0.118	104	0.19
Sodium	mg/l	17.7 ± 0.216	17.6 ± 1.58	0.602	99.4	-0.04
Sulfate (as SO ₄)	mg/l	31.2 ± 0.278	29.9 ± 2.69	1.03	95.8	-0.24
Total-P (as PO ₄)	mg/l	1.48 ± 0.0285	1.54 ± 0.062	0.111	104	0.44
Total hardness	mmol/l	2.48 ± 0.0362	2.45 ± 0.221	0.0745	98.6	-0.08
Total nitrogen	mg/l	1.76 ± 0.0577	1.76 ± 0.158	0.146	100	0.00

Sample: N150ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.85 ± 0.0645	1.96 ± 0.176	0.185	106	0.30

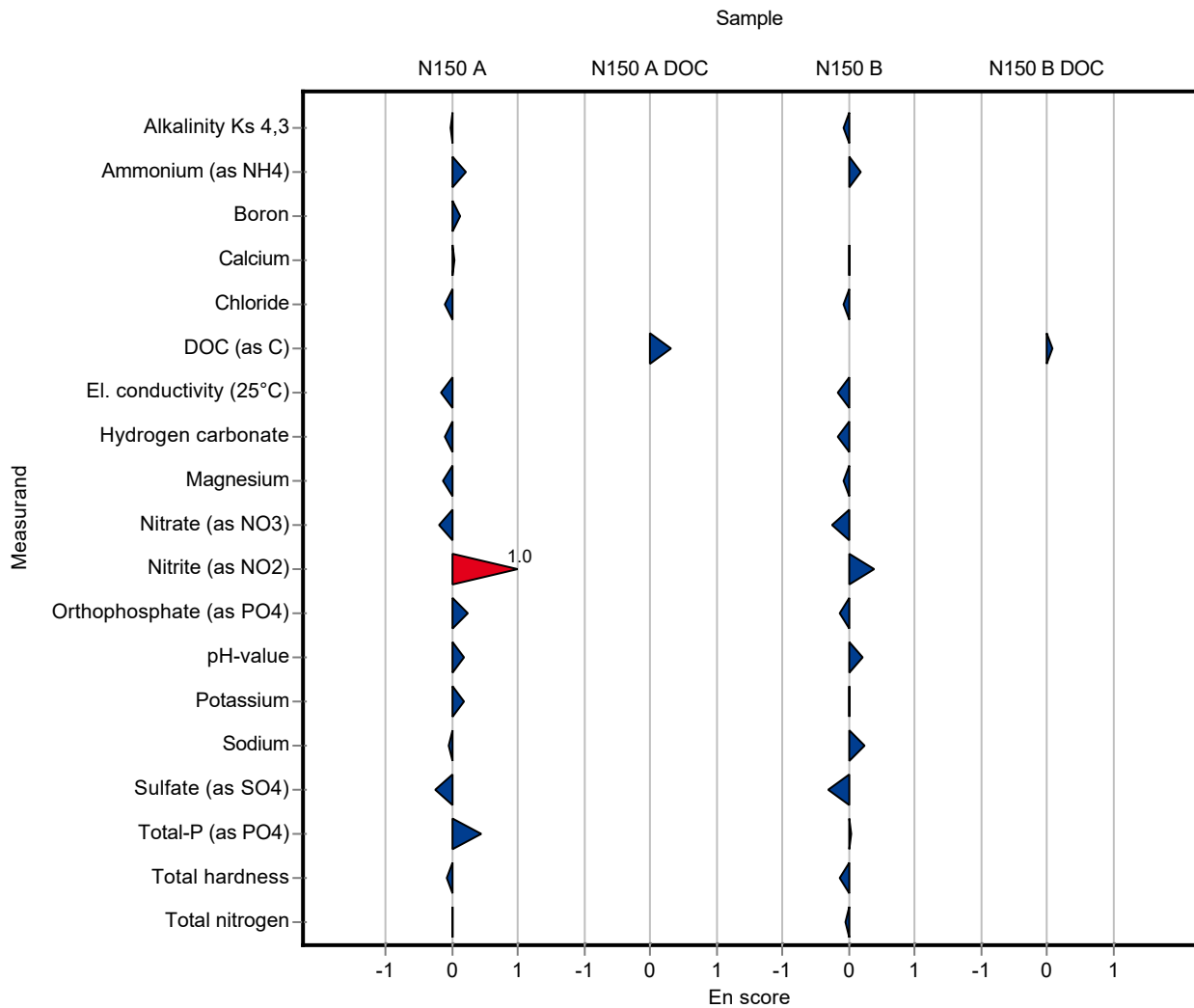
Sample: N150B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	2.74 ± 0.0137	2.72 ± 0.109	0.0547	99.5	-0.07
Ammonium (as NH ₄)	mg/l	0.321 ± 0.00634	0.331 ± 0.03	0.0385	103	0.17
Boron	mg/l	0.00948 ± 0.00044	<0.01 (LOQ) ± -	0.00104	-	-
Calcium	mg/l	48.2 ± 0.463	48.3 ± 4.35	1.5	100	0.01

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Chloride	mg/l	11.5 ± 0.13	11.3 ± 1.02	0.459	98.5	-0.09
El. conductivity (25°C)	µS/cm	350 ± 1.44	346 ± 13.8	4.56	98.7	-0.16
Hydrogen carbonate	mg/l	165 ± 1.09	163 ± 6.52	3.3	98.8	-0.16
Magnesium	mg/l	10.9 ± 0.149	10.7 ± 0.963	0.435	98.3	-0.09
Nitrate (as NO ₃)	mg/l	12 ± 0.174	11.5 ± 1.04	0.601	95.7	-0.25
Nitrite (as NO ₂)	mg/l	0.221 ± 0.00316	0.237 ± 0.021	0.0117	107	0.38
Orthophosphate (as PO ₄)	mg/l	0.166 ± 0.00363	0.162 ± 0.015	0.0149	97.6	-0.13
pH-value	-	7.74 ± 0.033	7.87 ± 0.315	0.155	102	0.21
Potassium	mg/l	1.24 ± 0.0282	1.24 ± 0.112	0.0644	100	0.00
Sodium	mg/l	6.39 ± 0.087	6.67 ± 0.6	0.217	104	0.23
Sulfate (as SO ₄)	mg/l	18.3 ± 0.193	17.3 ± 1.56	0.603	94.6	-0.31
Total-P (as PO ₄)	mg/l	0.7 ± 0.0182	0.702 ± 0.028	0.0525	100	0.03
Total hardness	mmol/l	1.68 ± 0.022	1.64 ± 0.148	0.0504	97.6	-0.13
Total nitrogen	mg/l	3.1 ± 0.101	3.07 ± 0.276	0.258	98.9	-0.06

Sample: N150BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	2.45 ± 0.0593	2.48 ± 0.223	0.245	101	0.08



Sample: N150A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	4.1 ± 0.0162	4.22 ± 0.63	0.0821	103	1.41
Ammonium (as NH ₄)	mg/l	0.0588 ± 0.0023	0.059 ± 0.003	0.00706	100	0.03
Boron	mg/l	0.0209 ± 0.000944	0.03 ± 0.005	0.0023	143	3.93
Calcium	mg/l	71.6 ± 0.691	77.5 ± 6.86	2.22	108	2.64
Chloride	mg/l	31 ± 0.209	30.2 ± 1.57	1.24	97.4	-0.65
El. conductivity (25°C)	µS/cm	545 ± 2.62	549 ± 82.35	7.09	101	0.55
Hydrogen carbonate	mg/l	249 ± 1.82	258 ± 38.7	4.99	103	1.72
Magnesium	mg/l	16.2 ± 0.207	17.8 ± 0.86	0.648	110	2.47
Nitrate (as NO ₃)	mg/l	7.06 ± 0.16	30.5 ± 1.07	0.353	432	66.40
Nitrite (as NO ₂)	mg/l	0.202 ± 0.00286	0.202 ± 0.012	0.0107	100	0.03
Orthophosphate (as PO ₄)	mg/l	0.137 ± 0.00441	0.135 ± 0.008	0.0123	98.8	-0.14
pH-value	-	7.77 ± 0.027	7.88 ± 1.18	0.155	101	0.73
Potassium	mg/l	2.28 ± 0.0331	2.19 ± 0.12	0.118	96.2	-0.74
Sodium	mg/l	17.7 ± 0.216	18.3 ± 1.22	0.602	103	0.98
Sulfate (as SO ₄)	mg/l	31.2 ± 0.278	7.4 ± 0.21	1.03	23.7	-23.10
Total-P (as PO ₄)	mg/l	1.48 ± 0.0285	1.59 ± 0.09	0.111	107	0.95
Total hardness	mmol/l	2.48 ± 0.0362	2.67 ± 0.4	0.0745	107	2.50
Total nitrogen	mg/l	1.76 ± 0.0577	- ± -	0.146	-	-

Sample: N150ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.85 ± 0.0645	1.79 ± 0.27	0.185	96.7	-0.33

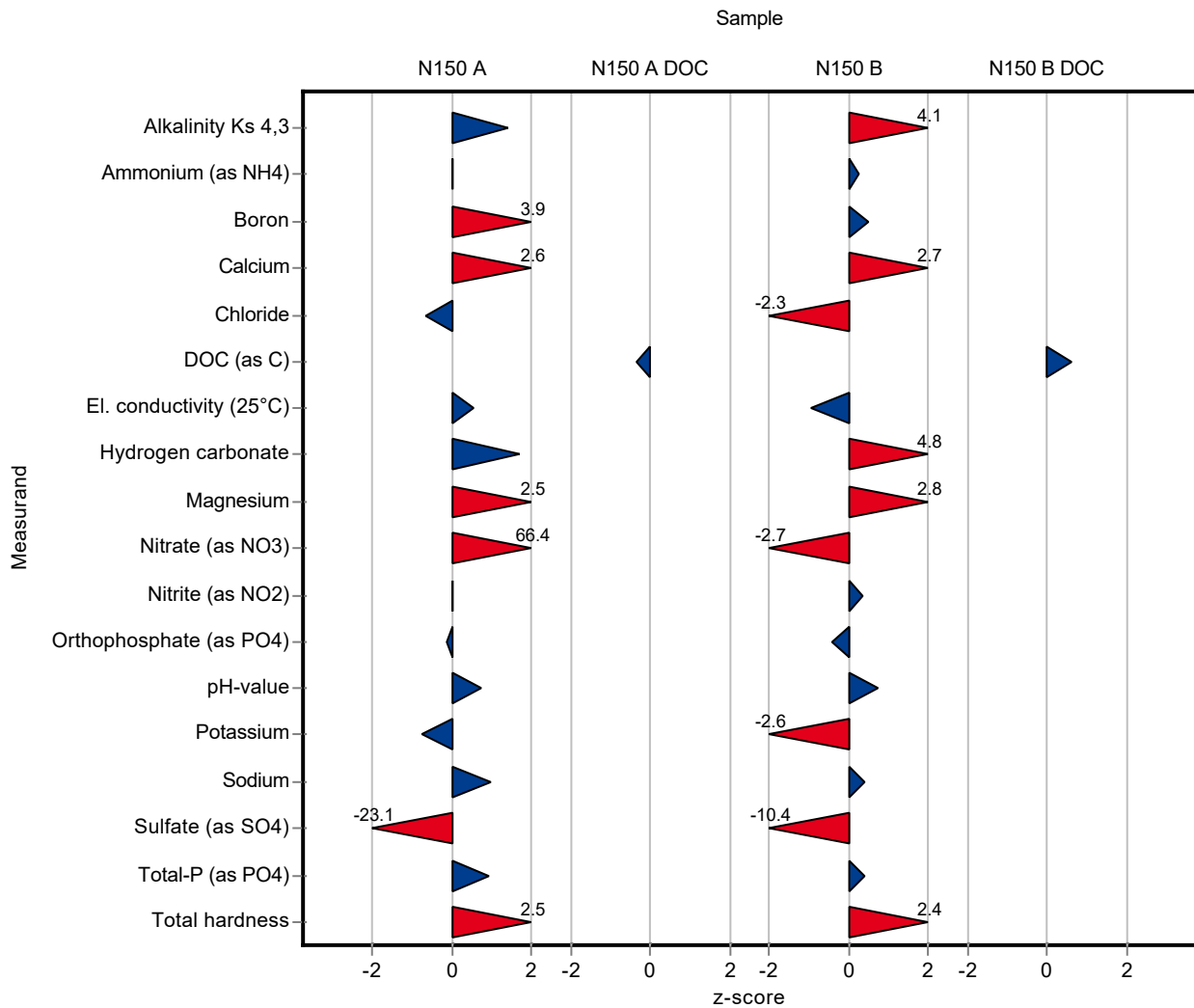
Sample: N150B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	2.74 ± 0.0137	2.96 ± 0.44	0.0547	108	4.11
Ammonium (as NH ₄)	mg/l	0.321 ± 0.00634	0.33 ± 0.02	0.0385	103	0.24
Boron	mg/l	0.00948 ± 0.00044	0.01 ± 0.002	0.00104	105	0.49
Calcium	mg/l	48.2 ± 0.463	52.2 ± 4.64	1.5	108	2.65

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Chloride	mg/l	11.5 ± 0.13	10.4 ± 0.61	0.459	90.6	-2.34
El. conductivity (25°C)	µS/cm	350 ± 1.44	346 ± 51.9	4.56	98.7	-0.98
Hydrogen carbonate	mg/l	165 ± 1.09	181 ± 27.2	3.3	110	4.83
Magnesium	mg/l	10.9 ± 0.149	12.1 ± 0.59	0.435	111	2.80
Nitrate (as NO ₃)	mg/l	12 ± 0.174	10.4 ± 0.36	0.601	86.5	-2.69
Nitrite (as NO ₂)	mg/l	0.221 ± 0.00316	0.225 ± 0.014	0.0117	102	0.35
Orthophosphate (as PO ₄)	mg/l	0.166 ± 0.00363	0.16 ± 0.006	0.0149	96.4	-0.40
pH-value	-	7.74 ± 0.033	7.85 ± 1.18	0.155	101	0.74
Potassium	mg/l	1.24 ± 0.0282	1.07 ± 0.06	0.0644	86.3	-2.63
Sodium	mg/l	6.39 ± 0.087	6.48 ± 0.43	0.217	101	0.40
Sulfate (as SO ₄)	mg/l	18.3 ± 0.193	12 ± 0.35	0.603	65.7	-10.40
Total-P (as PO ₄)	mg/l	0.7 ± 0.0182	0.72 ± 0.04	0.0525	103	0.38
Total hardness	mmol/l	1.68 ± 0.022	1.8 ± 0.27	0.0504	107	2.38
Total nitrogen	mg/l	3.1 ± 0.101	- ± -	0.258	-	-

Sample: N150BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.45 ± 0.0593	2.59 ± 0.39	0.245	106	0.59



Sample: N150A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	4.1 ± 0.0162	4.22 ± 0.63	0.0821	103	0.09
Ammonium (as NH ₄)	mg/l	0.0588 ± 0.0023	0.059 ± 0.003	0.00706	100	0.03
Boron	mg/l	0.0209 ± 0.000944	0.03 ± 0.005	0.0023	143	0.90
Calcium	mg/l	71.6 ± 0.691	77.5 ± 6.86	2.22	108	0.43
Chloride	mg/l	31 ± 0.209	30.2 ± 1.57	1.24	97.4	-0.26
El. conductivity (25°C)	µS/cm	545 ± 2.62	549 ± 82.35	7.09	101	0.02
Hydrogen carbonate	mg/l	249 ± 1.82	258 ± 38.7	4.99	103	0.11
Magnesium	mg/l	16.2 ± 0.207	17.8 ± 0.86	0.648	110	0.92
Nitrate (as NO ₃)	mg/l	7.06 ± 0.16	30.5 ± 1.07	0.353	432	10.90
Nitrite (as NO ₂)	mg/l	0.202 ± 0.00286	0.202 ± 0.012	0.0107	100	0.01
Orthophosphate (as PO ₄)	mg/l	0.137 ± 0.00441	0.135 ± 0.008	0.0123	98.8	-0.10
pH-value	-	7.77 ± 0.027	7.88 ± 1.18	0.155	101	0.05
Potassium	mg/l	2.28 ± 0.0331	2.19 ± 0.12	0.118	96.2	-0.36
Sodium	mg/l	17.7 ± 0.216	18.3 ± 1.22	0.602	103	0.24
Sulfate (as SO ₄)	mg/l	31.2 ± 0.278	7.4 ± 0.21	1.03	23.7	-47.20
Total-P (as PO ₄)	mg/l	1.48 ± 0.0285	1.59 ± 0.09	0.111	107	0.58
Total hardness	mmol/l	2.48 ± 0.0362	2.67 ± 0.4	0.0745	107	0.23
Total nitrogen	mg/l	1.76 ± 0.0577	- ± -	0.146	-	-

Sample: N150ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.85 ± 0.0645	1.79 ± 0.27	0.185	96.7	-0.11

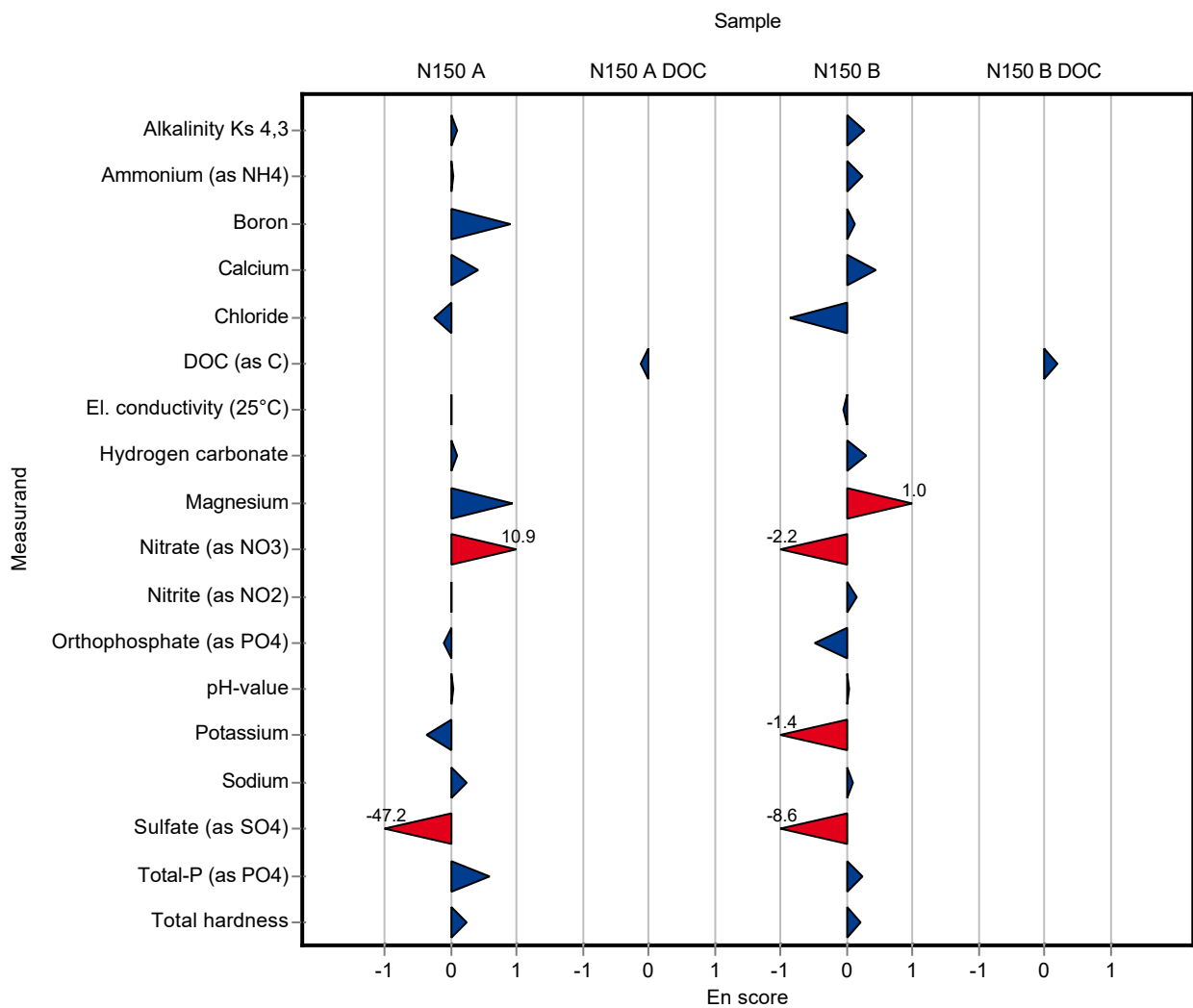
Sample: N150B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	2.74 ± 0.0137	2.96 ± 0.44	0.0547	108	0.26
Ammonium (as NH ₄)	mg/l	0.321 ± 0.00634	0.33 ± 0.02	0.0385	103	0.23
Boron	mg/l	0.00948 ± 0.00044	0.01 ± 0.002	0.00104	105	0.13
Calcium	mg/l	48.2 ± 0.463	52.2 ± 4.64	1.5	108	0.43

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Chloride	mg/l	11.5 ± 0.13	10.4 ± 0.61	0.459	90.6	-0.88
El. conductivity (25°C)	µS/cm	350 ± 1.44	346 ± 51.9	4.56	98.7	-0.04
Hydrogen carbonate	mg/l	165 ± 1.09	181 ± 27.2	3.3	110	0.29
Magnesium	mg/l	10.9 ± 0.149	12.1 ± 0.59	0.435	111	1.02
Nitrate (as NO ₃)	mg/l	12 ± 0.174	10.4 ± 0.36	0.601	86.5	-2.18
Nitrite (as NO ₂)	mg/l	0.221 ± 0.00316	0.225 ± 0.014	0.0117	102	0.15
Orthophosphate (as PO ₄)	mg/l	0.166 ± 0.00363	0.16 ± 0.006	0.0149	96.4	-0.48
pH-value	-	7.74 ± 0.033	7.85 ± 1.18	0.155	101	0.05
Potassium	mg/l	1.24 ± 0.0282	1.07 ± 0.06	0.0644	86.3	-1.37
Sodium	mg/l	6.39 ± 0.087	6.48 ± 0.43	0.217	101	0.10
Sulfate (as SO ₄)	mg/l	18.3 ± 0.193	12 ± 0.35	0.603	65.7	-8.65
Total-P (as PO ₄)	mg/l	0.7 ± 0.0182	0.72 ± 0.04	0.0525	103	0.24
Total hardness	mmol/l	1.68 ± 0.022	1.8 ± 0.27	0.0504	107	0.22
Total nitrogen	mg/l	3.1 ± 0.101	- ± -	0.258	-	-

Sample: N150BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	2.45 ± 0.0593	2.59 ± 0.39	0.245	106	0.18



Sample: N150A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	4.1 ± 0.0162	4.11 ± 0.25	0.0821	100	0.07
Ammonium (as NH ₄)	mg/l	0.0588 ± 0.0023	0.05 ± 0.002	0.00706	85.1	-1.24
Boron	mg/l	0.0209 ± 0.000944	0.0187 ± 0.0021	0.0023	89.3	-0.97
Calcium	mg/l	71.6 ± 0.691	69.9 ± 5.59	2.22	97.6	-0.78
Chloride	mg/l	31 ± 0.209	31.5 ± 6.3	1.24	102	0.40
El. conductivity (25°C)	µS/cm	545 ± 2.62	564 ± 28.2	7.09	103	2.67
Hydrogen carbonate	mg/l	249 ± 1.82	248 ± 14.9	4.99	99.4	-0.28
Magnesium	mg/l	16.2 ± 0.207	15.2 ± 1.98	0.648	93.8	-1.55
Nitrate (as NO ₃)	mg/l	7.06 ± 0.16	7.01 ± 0.42	0.353	99.3	-0.13
Nitrite (as NO ₂)	mg/l	0.202 ± 0.00286	0.188 ± 0.008	0.0107	93.2	-1.28
Orthophosphate (as PO ₄)	mg/l	0.137 ± 0.00441	0.135 ± 0.005	0.0123	98.8	-0.14
pH-value	-	7.77 ± 0.027	7.72 ± 0.15	0.155	99.4	-0.30
Potassium	mg/l	2.28 ± 0.0331	1.9 ± 0.21	0.118	83.4	-3.19
Sodium	mg/l	17.7 ± 0.216	17.1 ± 1.2	0.602	96.5	-1.01
Sulfate (as SO ₄)	mg/l	31.2 ± 0.278	30 ± 1.2	1.03	96.2	-1.16
Total-P (as PO ₄)	mg/l	1.48 ± 0.0285	- ± -	0.111	-	-
Total hardness	mmol/l	2.48 ± 0.0362	4.74 ± 0.43	0.0745	191	30.30
Total nitrogen	mg/l	1.76 ± 0.0577	- ± -	0.146	-	-

Sample: N150ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.85 ± 0.0645	1.82 ± 0.16	0.185	98.3	-0.17

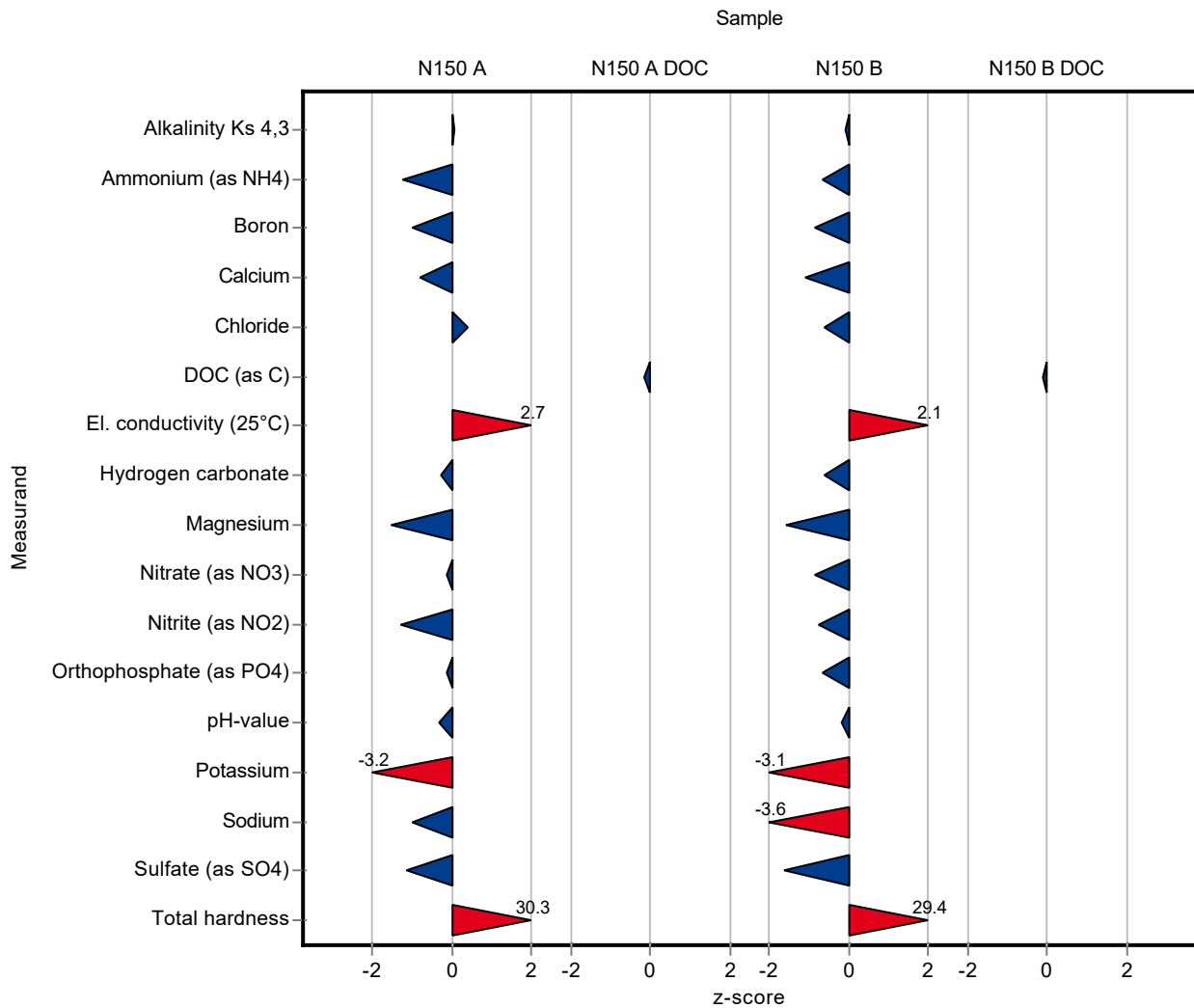
Sample: N150B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	2.74 ± 0.0137	2.73 ± 0.001	0.0547	99.8	-0.09
Ammonium (as NH ₄)	mg/l	0.321 ± 0.00634	0.296 ± 0.012	0.0385	92.3	-0.64
Boron	mg/l	0.00948 ± 0.00044	0.0086 ± 0.0009	0.00104	90.7	-0.85
Calcium	mg/l	48.2 ± 0.463	46.6 ± 3.73	1.5	96.6	-1.09

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Chloride	mg/l	11.5 ± 0.13	11.2 ± 0.56	0.459	97.6	-0.60
El. conductivity (25°C)	µS/cm	350 ± 1.44	360 ± 18	4.56	103	2.09
Hydrogen carbonate	mg/l	165 ± 1.09	163 ± 9.78	3.3	98.8	-0.62
Magnesium	mg/l	10.9 ± 0.149	10.2 ± 1.33	0.435	93.7	-1.57
Nitrate (as NO ₃)	mg/l	12 ± 0.174	11.5 ± 0.69	0.601	95.7	-0.86
Nitrite (as NO ₂)	mg/l	0.221 ± 0.00316	0.212 ± 0.009	0.0117	96	-0.76
Orthophosphate (as PO ₄)	mg/l	0.166 ± 0.00363	0.156 ± 0.006	0.0149	94	-0.67
pH-value	-	7.74 ± 0.033	7.71 ± 0.15	0.155	99.7	-0.16
Potassium	mg/l	1.24 ± 0.0282	1.04 ± 0.11	0.0644	83.9	-3.09
Sodium	mg/l	6.39 ± 0.087	5.6 ± 0.39	0.217	87.6	-3.65
Sulfate (as SO ₄)	mg/l	18.3 ± 0.193	17.3 ± 0.68	0.603	94.6	-1.62
Total-P (as PO ₄)	mg/l	0.7 ± 0.0182	- ± -	0.0525	-	-
Total hardness	mmol/l	1.68 ± 0.022	3.16 ± 0.28	0.0504	188	29.40
Total nitrogen	mg/l	3.1 ± 0.101	- ± -	0.258	-	-

Sample: N150BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.45 ± 0.0593	2.42 ± 0.22	0.245	98.9	-0.11



Sample: N150A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	4.1 ± 0.0162	4.11 ± 0.25	0.0821	100	0.01
Ammonium (as NH ₄)	mg/l	0.0588 ± 0.0023	0.05 ± 0.002	0.00706	85.1	-1.90
Boron	mg/l	0.0209 ± 0.000944	0.0187 ± 0.0021	0.0023	89.3	-0.52
Calcium	mg/l	71.6 ± 0.691	69.9 ± 5.59	2.22	97.6	-0.15
Chloride	mg/l	31 ± 0.209	31.5 ± 6.3	1.24	102	0.04
El. conductivity (25°C)	µS/cm	545 ± 2.62	564 ± 28.2	7.09	103	0.34
Hydrogen carbonate	mg/l	249 ± 1.82	248 ± 14.9	4.99	99.4	-0.05
Magnesium	mg/l	16.2 ± 0.207	15.2 ± 1.98	0.648	93.8	-0.25
Nitrate (as NO ₃)	mg/l	7.06 ± 0.16	7.01 ± 0.42	0.353	99.3	-0.06
Nitrite (as NO ₂)	mg/l	0.202 ± 0.00286	0.188 ± 0.008	0.0107	93.2	-0.84
Orthophosphate (as PO ₄)	mg/l	0.137 ± 0.00441	0.135 ± 0.005	0.0123	98.8	-0.15
pH-value	-	7.77 ± 0.027	7.72 ± 0.15	0.155	99.4	-0.16
Potassium	mg/l	2.28 ± 0.0331	1.9 ± 0.21	0.118	83.4	-0.90
Sodium	mg/l	17.7 ± 0.216	17.1 ± 1.2	0.602	96.5	-0.25
Sulfate (as SO ₄)	mg/l	31.2 ± 0.278	30 ± 1.2	1.03	96.2	-0.50
Total-P (as PO ₄)	mg/l	1.48 ± 0.0285	- ± -	0.111	-	-
Total hardness	mmol/l	2.48 ± 0.0362	4.74 ± 0.43	0.0745	191	2.62
Total nitrogen	mg/l	1.76 ± 0.0577	- ± -	0.146	-	-

Sample: N150ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.85 ± 0.0645	1.82 ± 0.16	0.185	98.3	-0.10

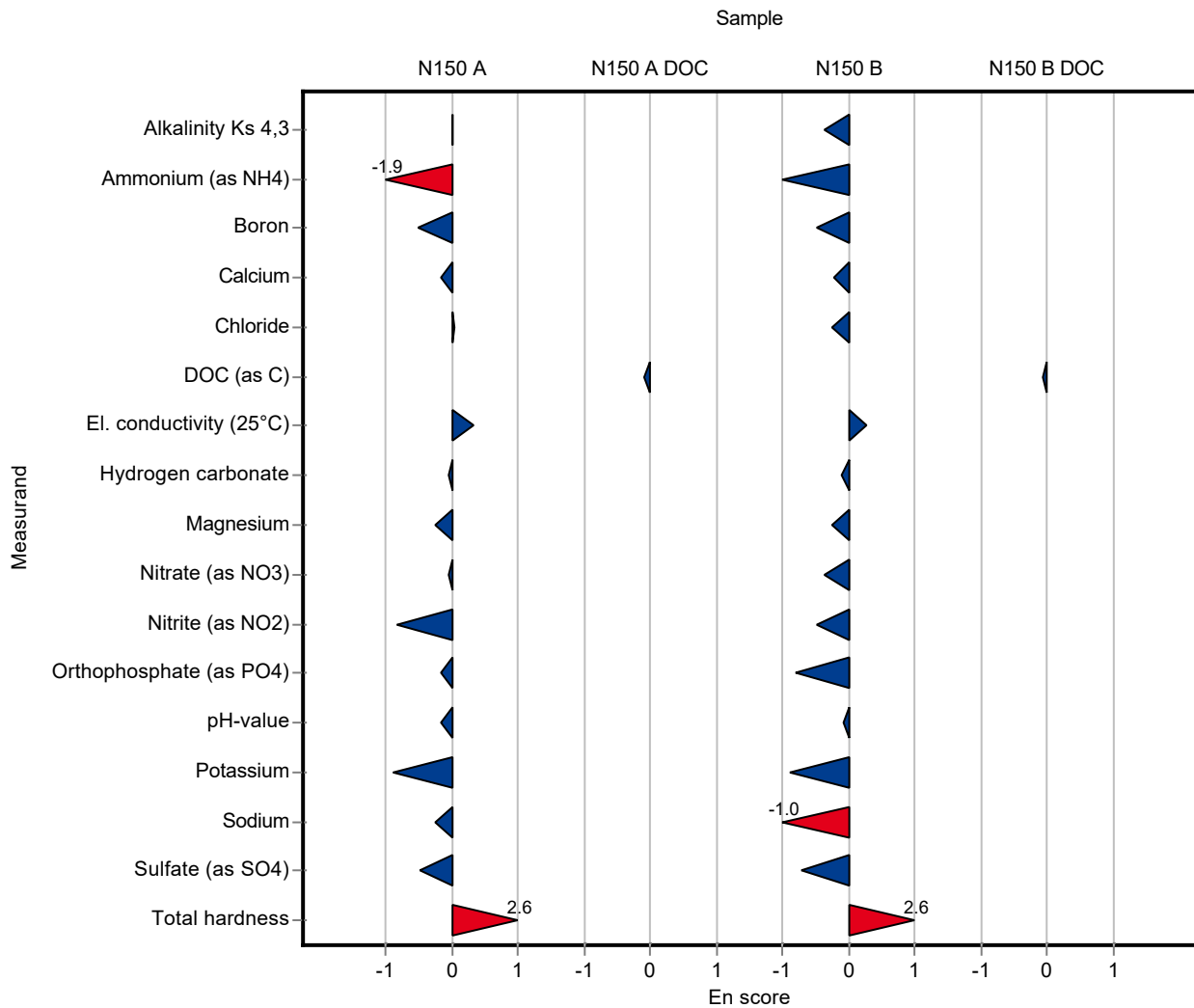
Sample: N150B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	2.74 ± 0.0137	2.73 ± 0.001	0.0547	99.8	-0.36
Ammonium (as NH ₄)	mg/l	0.321 ± 0.00634	0.296 ± 0.012	0.0385	92.3	-0.99
Boron	mg/l	0.00948 ± 0.00044	0.0086 ± 0.0009	0.00104	90.7	-0.48
Calcium	mg/l	48.2 ± 0.463	46.6 ± 3.73	1.5	96.6	-0.22

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Chloride	mg/l	11.5 ± 0.13	11.2 ± 0.56	0.459	97.6	-0.24
El. conductivity (25°C)	µS/cm	350 ± 1.44	360 ± 18	4.56	103	0.27
Hydrogen carbonate	mg/l	165 ± 1.09	163 ± 9.78	3.3	98.8	-0.10
Magnesium	mg/l	10.9 ± 0.149	10.2 ± 1.33	0.435	93.7	-0.26
Nitrate (as NO ₃)	mg/l	12 ± 0.174	11.5 ± 0.69	0.601	95.7	-0.37
Nitrite (as NO ₂)	mg/l	0.221 ± 0.00316	0.212 ± 0.009	0.0117	96	-0.49
Orthophosphate (as PO ₄)	mg/l	0.166 ± 0.00363	0.156 ± 0.006	0.0149	94	-0.80
pH-value	-	7.74 ± 0.033	7.71 ± 0.15	0.155	99.7	-0.08
Potassium	mg/l	1.24 ± 0.0282	1.04 ± 0.11	0.0644	83.9	-0.90
Sodium	mg/l	6.39 ± 0.087	5.6 ± 0.39	0.217	87.6	-1.01
Sulfate (as SO ₄)	mg/l	18.3 ± 0.193	17.3 ± 0.68	0.603	94.6	-0.71
Total-P (as PO ₄)	mg/l	0.7 ± 0.0182	- ± -	0.0525	-	-
Total hardness	mmol/l	1.68 ± 0.022	3.16 ± 0.28	0.0504	188	2.64
Total nitrogen	mg/l	3.1 ± 0.101	- ± -	0.258	-	-

Sample: N150BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	2.45 ± 0.0593	2.42 ± 0.22	0.245	98.9	-0.06



Sample: N150A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	4.1 ± 0.0162	4.21 ± 0.21	0.0821	103	1.29
Ammonium (as NH ₄)	mg/l	0.0588 ± 0.0023	0.07 ± 0.007	0.00706	119	1.59
Boron	mg/l	0.0209 ± 0.000944	0.021 ± 0.0011	0.0023	100	0.02
Calcium	mg/l	71.6 ± 0.691	70.9 ± 3.5	2.22	99	-0.33
Chloride	mg/l	31 ± 0.209	31 ± 1.6	1.24	100	0.00
El. conductivity (25°C)	µS/cm	545 ± 2.62	543 ± 11	7.09	99.6	-0.30
Hydrogen carbonate	mg/l	249 ± 1.82	254 ± 13	4.99	102	0.92
Magnesium	mg/l	16.2 ± 0.207	15.6 ± 0.78	0.648	96.3	-0.93
Nitrate (as NO ₃)	mg/l	7.06 ± 0.16	7.3 ± 0.37	0.353	103	0.69
Nitrite (as NO ₂)	mg/l	0.202 ± 0.00286	0.22 ± 0.022	0.0107	109	1.72
Orthophosphate (as PO ₄)	mg/l	0.137 ± 0.00441	0.12 ± 0.012	0.0123	87.8	-1.36
pH-value	-	7.77 ± 0.027	7.6 ± 0.1	0.155	97.8	-1.08
Potassium	mg/l	2.28 ± 0.0331	2.3 ± 0.12	0.118	101	0.19
Sodium	mg/l	17.7 ± 0.216	17.6 ± 0.88	0.602	99.4	-0.18
Sulfate (as SO ₄)	mg/l	31.2 ± 0.278	31 ± 1.6	1.03	99.4	-0.19
Total-P (as PO ₄)	mg/l	1.48 ± 0.0285	1.61 ± 0.16	0.111	108	1.13
Total hardness	mmol/l	2.48 ± 0.0362	2.41 ± 0.12	0.0745	97	-0.99
Total nitrogen	mg/l	1.76 ± 0.0577	2 ± 0.2	0.146	114	1.64

Sample: N150ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.85 ± 0.0645	1.9 ± 0.19	0.185	103	0.26

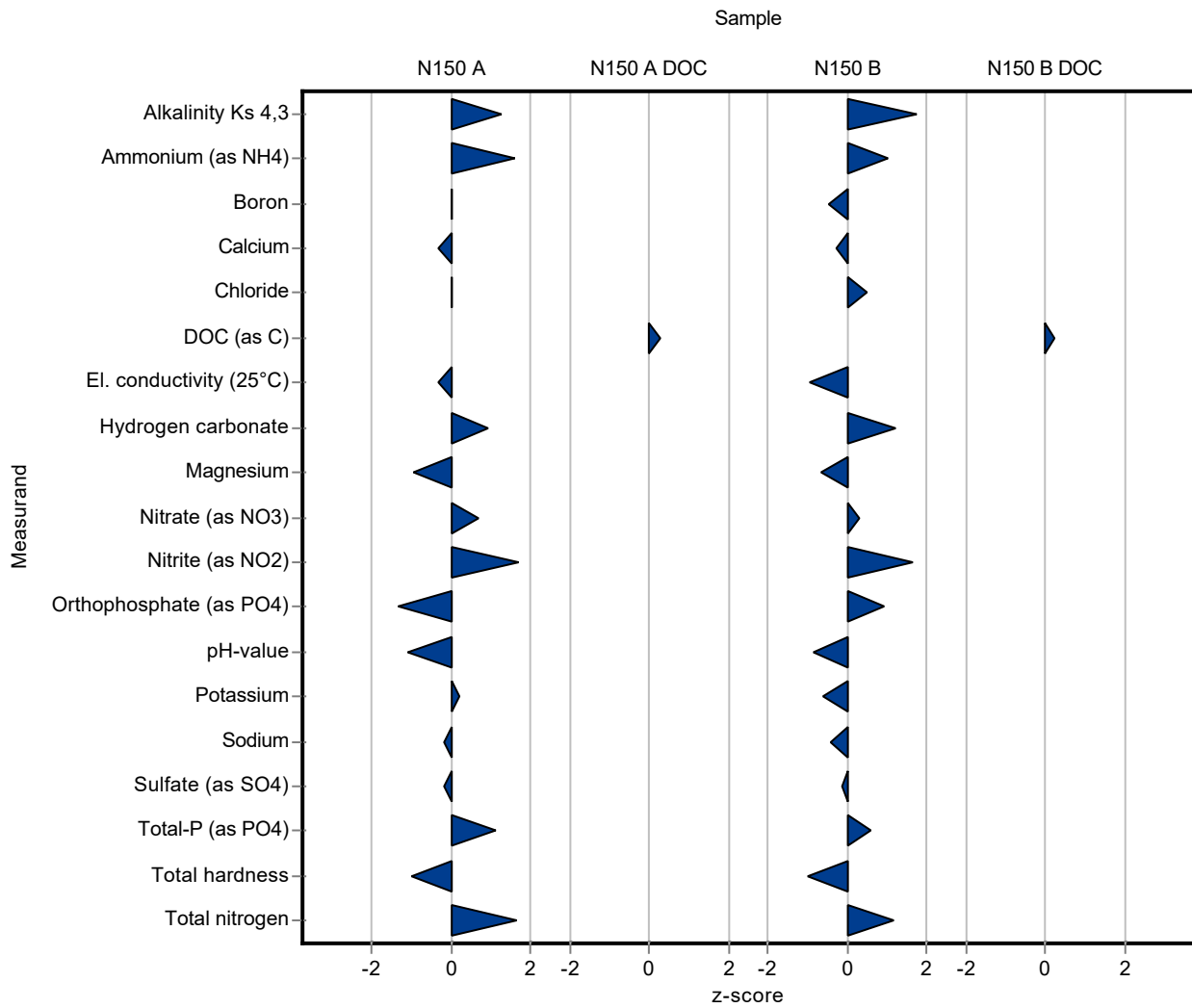
Sample: N150B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	2.74 ± 0.0137	2.83 ± 0.14	0.0547	103	1.74
Ammonium (as NH ₄)	mg/l	0.321 ± 0.00634	0.36 ± 0.036	0.0385	112	1.02
Boron	mg/l	0.00948 ± 0.00044	0.009 ± 0.00045	0.00104	94.9	-0.46
Calcium	mg/l	48.2 ± 0.463	47.8 ± 2.4	1.5	99.1	-0.29

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Chloride	mg/l	11.5 ± 0.13	11.7 ± 0.59	0.459	102	0.49
El. conductivity (25°C)	µS/cm	350 ± 1.44	346 ± 6.9	4.56	98.7	-0.98
Hydrogen carbonate	mg/l	165 ± 1.09	169 ± 8.5	3.3	102	1.20
Magnesium	mg/l	10.9 ± 0.149	10.6 ± 0.53	0.435	97.4	-0.65
Nitrate (as NO ₃)	mg/l	12 ± 0.174	12.2 ± 0.61	0.601	102	0.30
Nitrite (as NO ₂)	mg/l	0.221 ± 0.00316	0.24 ± 0.024	0.0117	109	1.63
Orthophosphate (as PO ₄)	mg/l	0.166 ± 0.00363	0.18 ± 0.018	0.0149	108	0.94
pH-value	-	7.74 ± 0.033	7.6 ± 0.1	0.155	98.3	-0.87
Potassium	mg/l	1.24 ± 0.0282	1.2 ± 0.06	0.0644	96.8	-0.61
Sodium	mg/l	6.39 ± 0.087	6.3 ± 0.32	0.217	98.6	-0.42
Sulfate (as SO ₄)	mg/l	18.3 ± 0.193	18.2 ± 0.91	0.603	99.6	-0.13
Total-P (as PO ₄)	mg/l	0.7 ± 0.0182	0.73 ± 0.073	0.0525	104	0.57
Total hardness	mmol/l	1.68 ± 0.022	1.63 ± 0.082	0.0504	97	-0.99
Total nitrogen	mg/l	3.1 ± 0.101	3.4 ± 0.34	0.258	110	1.15

Sample: N150BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.45 ± 0.0593	2.5 ± 0.25	0.245	102	0.22



Sample: N150A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	4.1 ± 0.0162	4.21 ± 0.21	0.0821	103	0.25
Ammonium (as NH ₄)	mg/l	0.0588 ± 0.0023	0.07 ± 0.007	0.00706	119	0.79
Boron	mg/l	0.0209 ± 0.000944	0.021 ± 0.0011	0.0023	100	0.02
Calcium	mg/l	71.6 ± 0.691	70.9 ± 3.5	2.22	99	-0.10
Chloride	mg/l	31 ± 0.209	31 ± 1.6	1.24	100	0.00
El. conductivity (25°C)	µS/cm	545 ± 2.62	543 ± 11	7.09	99.6	-0.10
Hydrogen carbonate	mg/l	249 ± 1.82	254 ± 13	4.99	102	0.18
Magnesium	mg/l	16.2 ± 0.207	15.6 ± 0.78	0.648	96.3	-0.38
Nitrate (as NO ₃)	mg/l	7.06 ± 0.16	7.3 ± 0.37	0.353	103	0.32
Nitrite (as NO ₂)	mg/l	0.202 ± 0.00286	0.22 ± 0.022	0.0107	109	0.42
Orthophosphate (as PO ₄)	mg/l	0.137 ± 0.00441	0.12 ± 0.012	0.0123	87.8	-0.68
pH-value	-	7.77 ± 0.027	7.6 ± 0.1	0.155	97.8	-0.83
Potassium	mg/l	2.28 ± 0.0331	2.3 ± 0.12	0.118	101	0.09
Sodium	mg/l	17.7 ± 0.216	17.6 ± 0.88	0.602	99.4	-0.06
Sulfate (as SO ₄)	mg/l	31.2 ± 0.278	31 ± 1.6	1.03	99.4	-0.06
Total-P (as PO ₄)	mg/l	1.48 ± 0.0285	1.61 ± 0.16	0.111	108	0.39
Total hardness	mmol/l	2.48 ± 0.0362	2.41 ± 0.12	0.0745	97	-0.30
Total nitrogen	mg/l	1.76 ± 0.0577	2 ± 0.2	0.146	114	0.59

Sample: N150ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.85 ± 0.0645	1.9 ± 0.19	0.185	103	0.13

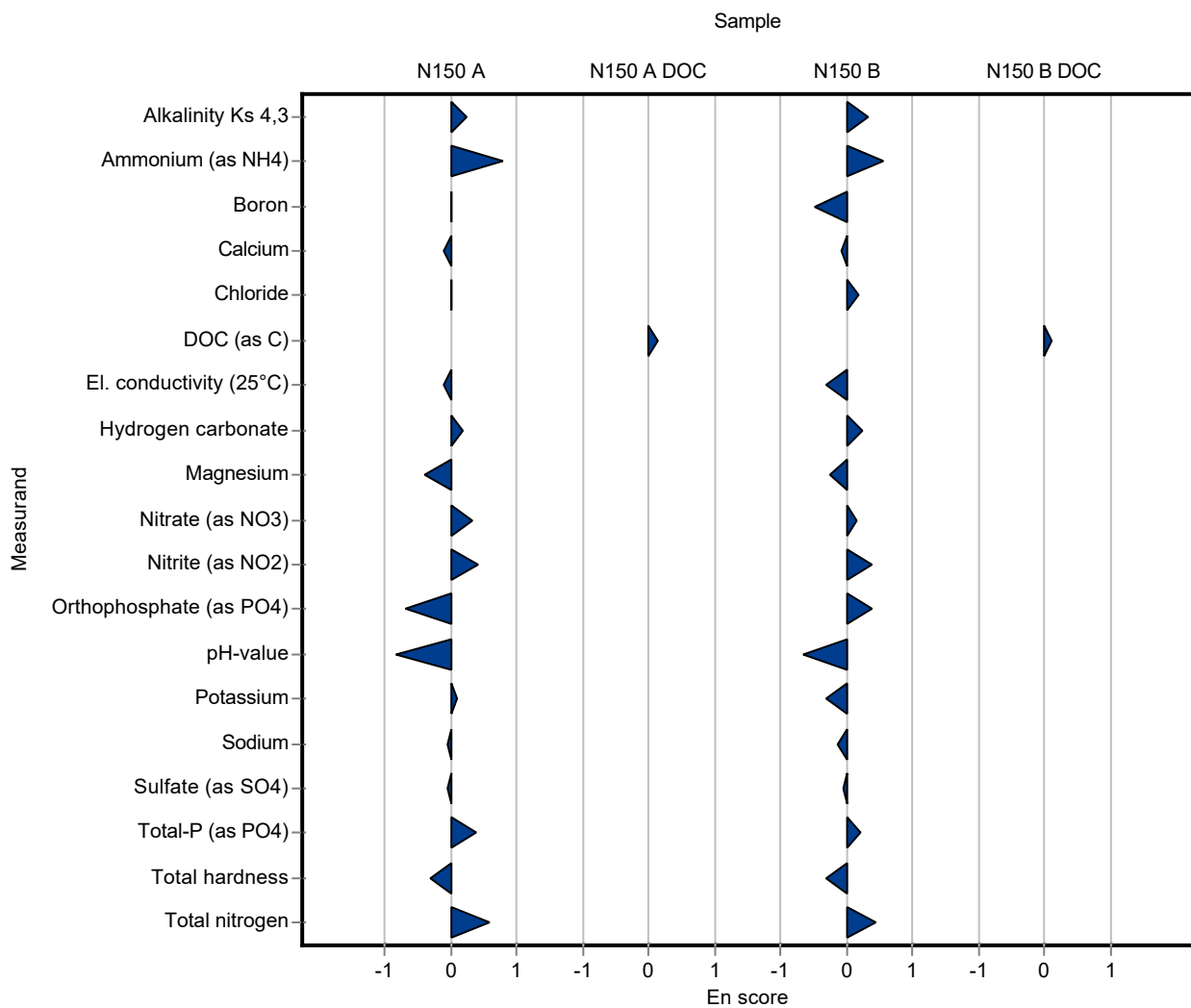
Sample: N150B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	2.74 ± 0.0137	2.83 ± 0.14	0.0547	103	0.34
Ammonium (as NH ₄)	mg/l	0.321 ± 0.00634	0.36 ± 0.036	0.0385	112	0.54
Boron	mg/l	0.00948 ± 0.00044	0.009 ± 0.00045	0.00104	94.9	-0.48
Calcium	mg/l	48.2 ± 0.463	47.8 ± 2.4	1.5	99.1	-0.09

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Chloride	mg/l	11.5 ± 0.13	11.7 ± 0.59	0.459	102	0.19
El. conductivity (25°C)	µS/cm	350 ± 1.44	346 ± 6.9	4.56	98.7	-0.32
Hydrogen carbonate	mg/l	165 ± 1.09	169 ± 8.5	3.3	102	0.23
Magnesium	mg/l	10.9 ± 0.149	10.6 ± 0.53	0.435	97.4	-0.26
Nitrate (as NO ₃)	mg/l	12 ± 0.174	12.2 ± 0.61	0.601	102	0.15
Nitrite (as NO ₂)	mg/l	0.221 ± 0.00316	0.24 ± 0.024	0.0117	109	0.40
Orthophosphate (as PO ₄)	mg/l	0.166 ± 0.00363	0.18 ± 0.018	0.0149	108	0.39
pH-value	-	7.74 ± 0.033	7.6 ± 0.1	0.155	98.3	-0.67
Potassium	mg/l	1.24 ± 0.0282	1.2 ± 0.06	0.0644	96.8	-0.32
Sodium	mg/l	6.39 ± 0.087	6.3 ± 0.32	0.217	98.6	-0.14
Sulfate (as SO ₄)	mg/l	18.3 ± 0.193	18.2 ± 0.91	0.603	99.6	-0.04
Total-P (as PO ₄)	mg/l	0.7 ± 0.0182	0.73 ± 0.073	0.0525	104	0.20
Total hardness	mmol/l	1.68 ± 0.022	1.63 ± 0.082	0.0504	97	-0.30
Total nitrogen	mg/l	3.1 ± 0.101	3.4 ± 0.34	0.258	110	0.43

Sample: N150BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	2.45 ± 0.0593	2.5 ± 0.25	0.245	102	0.11



Sample: N150A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	4.1 ± 0.0162	4.087 ± 0.045	0.0821	99.6	-0.21
Ammonium (as NH ₄)	mg/l	0.0588 ± 0.0023	- ± -	0.00706	-	-
Boron	mg/l	0.0209 ± 0.000944	- ± -	0.0023	-	-
Calcium	mg/l	71.6 ± 0.691	- ± -	2.22	-	-
Chloride	mg/l	31 ± 0.209	31.3 ± 1.65	1.24	101	0.24
El. conductivity (25°C)	µS/cm	545 ± 2.62	539.5 ± 22	7.09	99	-0.79
Hydrogen carbonate	mg/l	249 ± 1.82	- ± -	4.99	-	-
Magnesium	mg/l	16.2 ± 0.207	- ± -	0.648	-	-
Nitrate (as NO ₃)	mg/l	7.06 ± 0.16	6.6 ± 1	0.353	93.5	-1.30
Nitrite (as NO ₂)	mg/l	0.202 ± 0.00286	<0.5 (LOQ) ± -	0.0107	-	-
Orthophosphate (as PO ₄)	mg/l	0.137 ± 0.00441	- ± -	0.0123	-	-
pH-value	-	7.77 ± 0.027	7.83 ± 0.2	0.155	101	0.40
Potassium	mg/l	2.28 ± 0.0331	- ± -	0.118	-	-
Sodium	mg/l	17.7 ± 0.216	- ± -	0.602	-	-
Sulfate (as SO ₄)	mg/l	31.2 ± 0.278	- ± -	1.03	-	-
Total-P (as PO ₄)	mg/l	1.48 ± 0.0285	- ± -	0.111	-	-
Total hardness	mmol/l	2.48 ± 0.0362	2.502 ± 0.48	0.0745	101	0.24
Total nitrogen	mg/l	1.76 ± 0.0577	- ± -	0.146	-	-

Sample: N150ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.85 ± 0.0645	- ± -	0.185	-	-

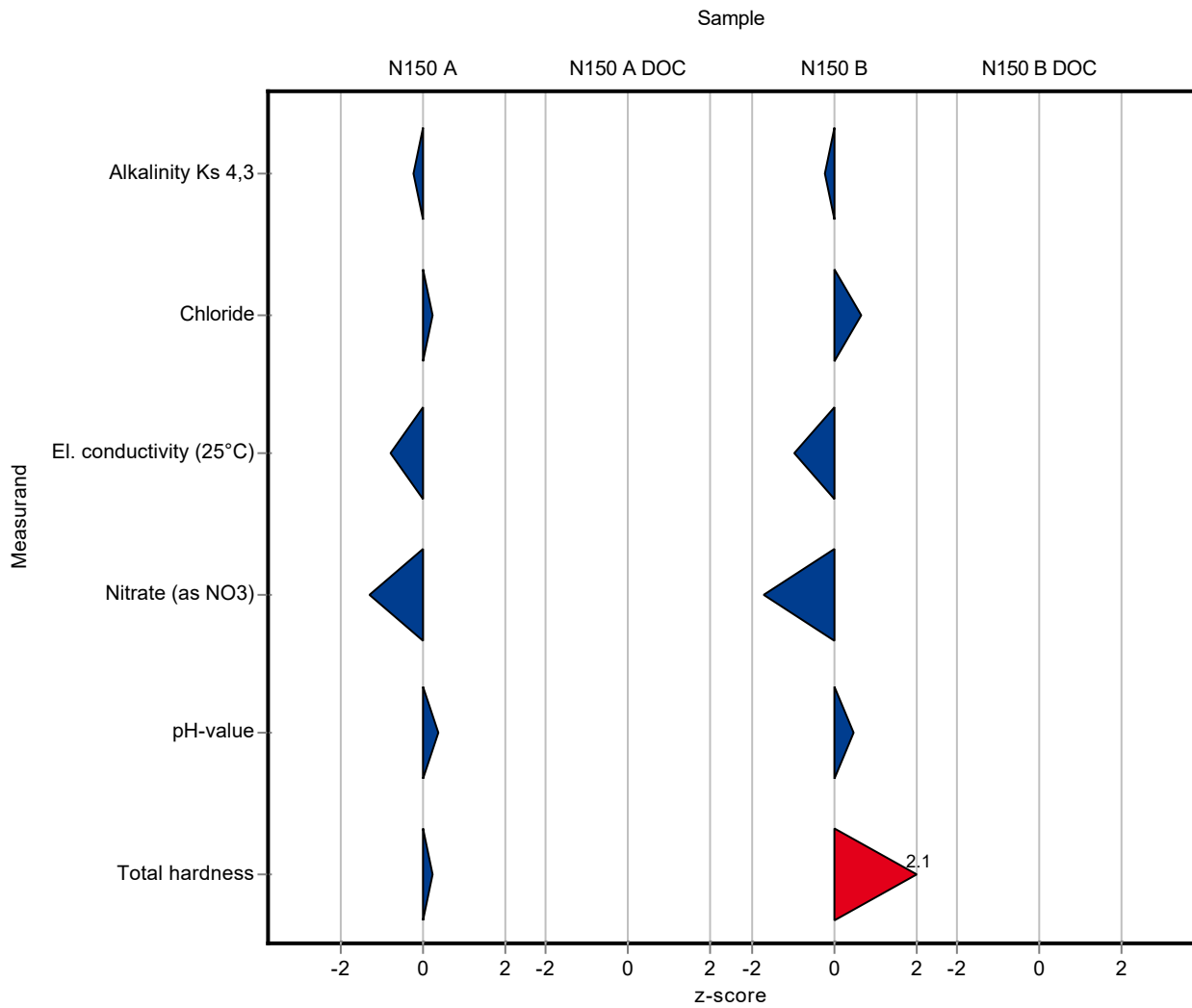
Sample: N150B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	2.74 ± 0.0137	2.723 ± 0.038	0.0547	99.6	-0.22
Ammonium (as NH ₄)	mg/l	0.321 ± 0.00634	- ± -	0.0385	-	-
Boron	mg/l	0.00948 ± 0.00044	- ± -	0.00104	-	-
Calcium	mg/l	48.2 ± 0.463	- ± -	1.5	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Chloride	mg/l	11.5 ± 0.13	11.77 ± 1.66	0.459	103	0.64
El. conductivity (25°C)	µS/cm	350 ± 1.44	346 ± 25	4.56	98.7	-0.98
Hydrogen carbonate	mg/l	165 ± 1.09	- ± -	3.3	-	-
Magnesium	mg/l	10.9 ± 0.149	- ± -	0.435	-	-
Nitrate (as NO ₃)	mg/l	12 ± 0.174	11 ± 1	0.601	91.5	-1.69
Nitrite (as NO ₂)	mg/l	0.221 ± 0.00316	<0.5 (LOQ) ± -	0.0117	-	-
Orthophosphate (as PO ₄)	mg/l	0.166 ± 0.00363	- ± -	0.0149	-	-
pH-value	-	7.74 ± 0.033	7.81 ± 0.2	0.155	101	0.48
Potassium	mg/l	1.24 ± 0.0282	- ± -	0.0644	-	-
Sodium	mg/l	6.39 ± 0.087	- ± -	0.217	-	-
Sulfate (as SO ₄)	mg/l	18.3 ± 0.193	- ± -	0.603	-	-
Total-P (as PO ₄)	mg/l	0.7 ± 0.0182	- ± -	0.0525	-	-
Total hardness	mmol/l	1.68 ± 0.022	1.786 ± 0.48	0.0504	106	2.11
Total nitrogen	mg/l	3.1 ± 0.101	- ± -	0.258	-	-

Sample: N150BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.45 ± 0.0593	- ± -	0.245	-	-



Sample: N150A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	4.1 ± 0.0162	4.087 ± 0.045	0.0821	99.6	-0.19
Ammonium (as NH4)	mg/l	0.0588 ± 0.0023	- ± -	0.00706	-	-
Boron	mg/l	0.0209 ± 0.000944	- ± -	0.0023	-	-
Calcium	mg/l	71.6 ± 0.691	- ± -	2.22	-	-
Chloride	mg/l	31 ± 0.209	31.3 ± 1.65	1.24	101	0.09
El. conductivity (25°C)	µS/cm	545 ± 2.62	539.5 ± 22	7.09	99	-0.13
Hydrogen carbonate	mg/l	249 ± 1.82	- ± -	4.99	-	-
Magnesium	mg/l	16.2 ± 0.207	- ± -	0.648	-	-
Nitrate (as NO3)	mg/l	7.06 ± 0.16	6.6 ± 1	0.353	93.5	-0.23
Nitrite (as NO2)	mg/l	0.202 ± 0.00286	<0.5 (LOQ) ± -	0.0107	-	-
Orthophosphate (as PO4)	mg/l	0.137 ± 0.00441	- ± -	0.0123	-	-
pH-value	-	7.77 ± 0.027	7.83 ± 0.2	0.155	101	0.16
Potassium	mg/l	2.28 ± 0.0331	- ± -	0.118	-	-
Sodium	mg/l	17.7 ± 0.216	- ± -	0.602	-	-
Sulfate (as SO4)	mg/l	31.2 ± 0.278	- ± -	1.03	-	-
Total-P (as PO4)	mg/l	1.48 ± 0.0285	- ± -	0.111	-	-
Total hardness	mmol/l	2.48 ± 0.0362	2.502 ± 0.48	0.0745	101	0.02
Total nitrogen	mg/l	1.76 ± 0.0577	- ± -	0.146	-	-

Sample: N150ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.85 ± 0.0645	- ± -	0.185	-	-

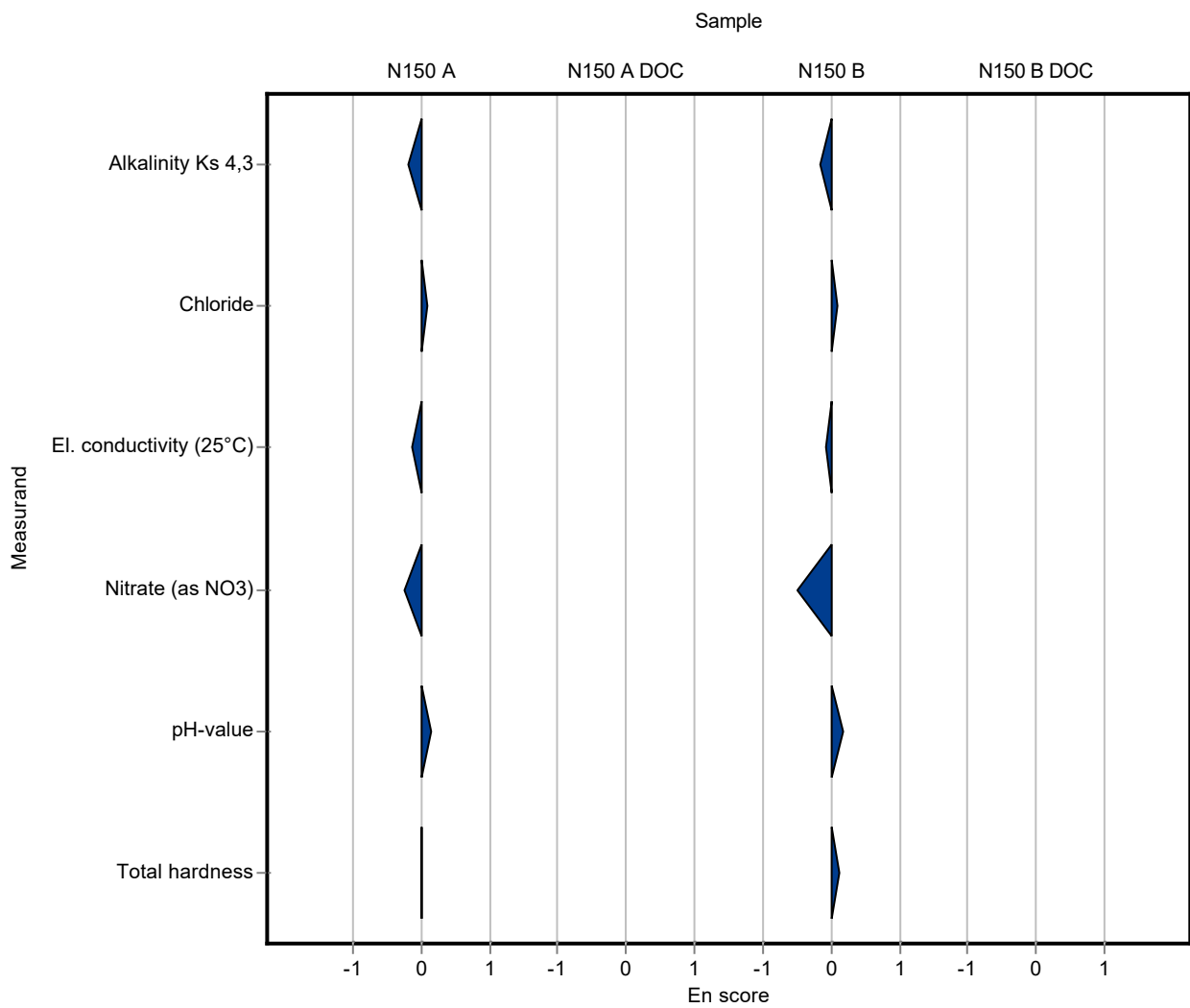
Sample: N150B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	2.74 ± 0.0137	2.723 ± 0.038	0.0547	99.6	-0.16
Ammonium (as NH4)	mg/l	0.321 ± 0.00634	- ± -	0.0385	-	-
Boron	mg/l	0.00948 ± 0.00044	- ± -	0.00104	-	-
Calcium	mg/l	48.2 ± 0.463	- ± -	1.5	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Chloride	mg/l	11.5 ± 0.13	11.77 ± 1.66	0.459	103	0.09
El. conductivity (25°C)	µS/cm	350 ± 1.44	346 ± 25	4.56	98.7	-0.09
Hydrogen carbonate	mg/l	165 ± 1.09	- ± -	3.3	-	-
Magnesium	mg/l	10.9 ± 0.149	- ± -	0.435	-	-
Nitrate (as NO ₃)	mg/l	12 ± 0.174	11 ± 1	0.601	91.5	-0.51
Nitrite (as NO ₂)	mg/l	0.221 ± 0.00316	<0.5 (LOQ) ± -	0.0117	-	-
Orthophosphate (as PO ₄)	mg/l	0.166 ± 0.00363	- ± -	0.0149	-	-
pH-value	-	7.74 ± 0.033	7.81 ± 0.2	0.155	101	0.19
Potassium	mg/l	1.24 ± 0.0282	- ± -	0.0644	-	-
Sodium	mg/l	6.39 ± 0.087	- ± -	0.217	-	-
Sulfate (as SO ₄)	mg/l	18.3 ± 0.193	- ± -	0.603	-	-
Total-P (as PO ₄)	mg/l	0.7 ± 0.0182	- ± -	0.0525	-	-
Total hardness	mmol/l	1.68 ± 0.022	1.786 ± 0.48	0.0504	106	0.11
Total nitrogen	mg/l	3.1 ± 0.101	- ± -	0.258	-	-

Sample: N150BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	2.45 ± 0.0593	- ± -	0.245	-	-



Sample: N150A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	4.1 ± 0.0162	- ± -	0.0821	-	-
Ammonium (as NH ₄)	mg/l	0.0588 ± 0.0023	0.13 ± 0.02	0.00706	221	10.10
Boron	mg/l	0.0209 ± 0.000944	0.024 ± 0.005	0.0023	115	1.33
Calcium	mg/l	71.6 ± 0.691	72.3 ± 10.8	2.22	101	0.30
Chloride	mg/l	31 ± 0.209	30.7 ± 3.1	1.24	99	-0.25
El. conductivity (25°C)	µS/cm	545 ± 2.62	546 ± 54.6	7.09	100	0.13
Hydrogen carbonate	mg/l	249 ± 1.82	- ± -	4.99	-	-
Magnesium	mg/l	16.2 ± 0.207	16.4 ± 2.46	0.648	101	0.31
Nitrate (as NO ₃)	mg/l	7.06 ± 0.16	1.59 ± 0.16	0.353	22.5	-15.50
Nitrite (as NO ₂)	mg/l	0.202 ± 0.00286	0.248 ± 0.025	0.0107	123	4.34
Orthophosphate (as PO ₄)	mg/l	0.137 ± 0.00441	<1 (LOQ) ± -	0.0123	-	-
pH-value	-	7.77 ± 0.027	7.8 ± 0.2	0.155	100	0.21
Potassium	mg/l	2.28 ± 0.0331	2.3 ± 0.35	0.118	101	0.19
Sodium	mg/l	17.7 ± 0.216	18.4 ± 2.76	0.602	104	1.14
Sulfate (as SO ₄)	mg/l	31.2 ± 0.278	31 ± 3.1	1.03	99.4	-0.19
Total-P (as PO ₄)	mg/l	1.48 ± 0.0285	- ± -	0.111	-	-
Total hardness	mmol/l	2.48 ± 0.0362	- ± -	0.0745	-	-
Total nitrogen	mg/l	1.76 ± 0.0577	- ± -	0.146	-	-

Sample: N150ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.85 ± 0.0645	- ± -	0.185	-	-

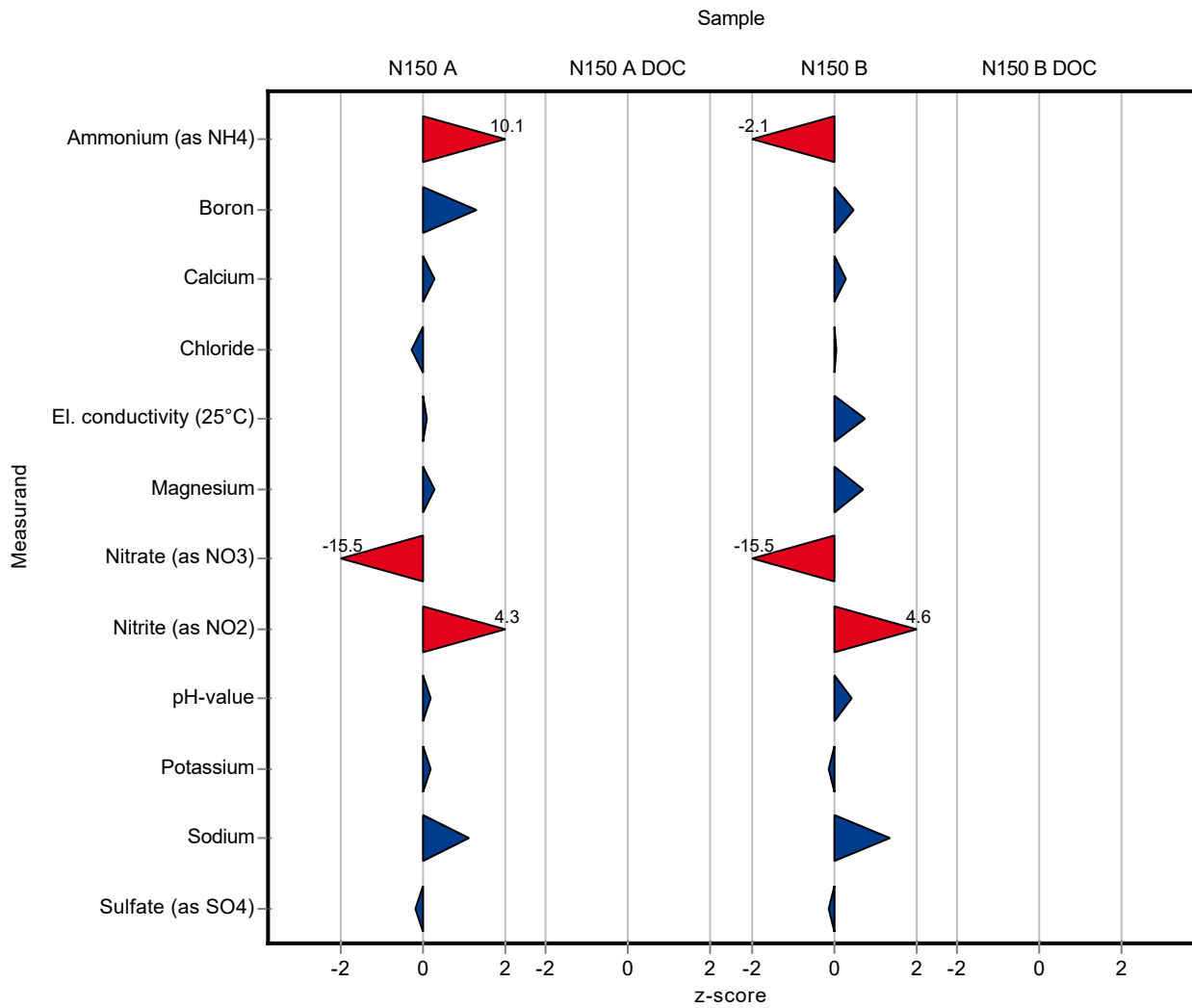
Sample: N150B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	2.74 ± 0.0137	- ± -	0.0547	-	-
Ammonium (as NH ₄)	mg/l	0.321 ± 0.00634	0.24 ± 0.036	0.0385	74.8	-2.10
Boron	mg/l	0.00948 ± 0.00044	0.01 ± 0.002	0.00104	105	0.49
Calcium	mg/l	48.2 ± 0.463	48.7 ± 7.3	1.5	101	0.31

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Chloride	mg/l	11.5 ± 0.13	11.5 ± 1.15	0.459	100	0.05
El. conductivity (25°C)	µS/cm	350 ± 1.44	354 ± 35.4	4.56	101	0.78
Hydrogen carbonate	mg/l	165 ± 1.09	- ± -	3.3	-	-
Magnesium	mg/l	10.9 ± 0.149	11.2 ± 1.68	0.435	103	0.73
Nitrate (as NO ₃)	mg/l	12 ± 0.174	2.68 ± 0.405	0.601	22.3	-15.50
Nitrite (as NO ₂)	mg/l	0.221 ± 0.00316	0.275 ± 0.041	0.0117	124	4.62
Orthophosphate (as PO ₄)	mg/l	0.166 ± 0.00363	<1 (LOQ) ± -	0.0149	-	-
pH-value	-	7.74 ± 0.033	7.8 ± 0.2	0.155	101	0.42
Potassium	mg/l	1.24 ± 0.0282	1.23 ± 0.185	0.0644	99.3	-0.14
Sodium	mg/l	6.39 ± 0.087	6.69 ± 1	0.217	105	1.37
Sulfate (as SO ₄)	mg/l	18.3 ± 0.193	18.2 ± 1.82	0.603	99.6	-0.13
Total-P (as PO ₄)	mg/l	0.7 ± 0.0182	- ± -	0.0525	-	-
Total hardness	mmol/l	1.68 ± 0.022	- ± -	0.0504	-	-
Total nitrogen	mg/l	3.1 ± 0.101	- ± -	0.258	-	-

Sample: N150BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.45 ± 0.0593	- ± -	0.245	-	-



Sample: N150A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	4.1 ± 0.0162	- ± -	0.0821	-	-
Ammonium (as NH ₄)	mg/l	0.0588 ± 0.0023	0.13 ± 0.02	0.00706	221	1.78
Boron	mg/l	0.0209 ± 0.000944	0.024 ± 0.005	0.0023	115	0.30
Calcium	mg/l	71.6 ± 0.691	72.3 ± 10.8	2.22	101	0.03
Chloride	mg/l	31 ± 0.209	30.7 ± 3.1	1.24	99	-0.05
El. conductivity (25°C)	µS/cm	545 ± 2.62	546 ± 54.6	7.09	100	0.01
Hydrogen carbonate	mg/l	249 ± 1.82	- ± -	4.99	-	-
Magnesium	mg/l	16.2 ± 0.207	16.4 ± 2.46	0.648	101	0.04
Nitrate (as NO ₃)	mg/l	7.06 ± 0.16	1.59 ± 0.16	0.353	22.5	-15.30
Nitrite (as NO ₂)	mg/l	0.202 ± 0.00286	0.248 ± 0.025	0.0107	123	0.93
Orthophosphate (as PO ₄)	mg/l	0.137 ± 0.00441	<1 (LOQ) ± -	0.0123	-	-
pH-value	-	7.77 ± 0.027	7.8 ± 0.2	0.155	100	0.08
Potassium	mg/l	2.28 ± 0.0331	2.3 ± 0.35	0.118	101	0.03
Sodium	mg/l	17.7 ± 0.216	18.4 ± 2.76	0.602	104	0.13
Sulfate (as SO ₄)	mg/l	31.2 ± 0.278	31 ± 3.1	1.03	99.4	-0.03
Total-P (as PO ₄)	mg/l	1.48 ± 0.0285	- ± -	0.111	-	-
Total hardness	mmol/l	2.48 ± 0.0362	- ± -	0.0745	-	-
Total nitrogen	mg/l	1.76 ± 0.0577	- ± -	0.146	-	-

Sample: N150ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.85 ± 0.0645	- ± -	0.185	-	-

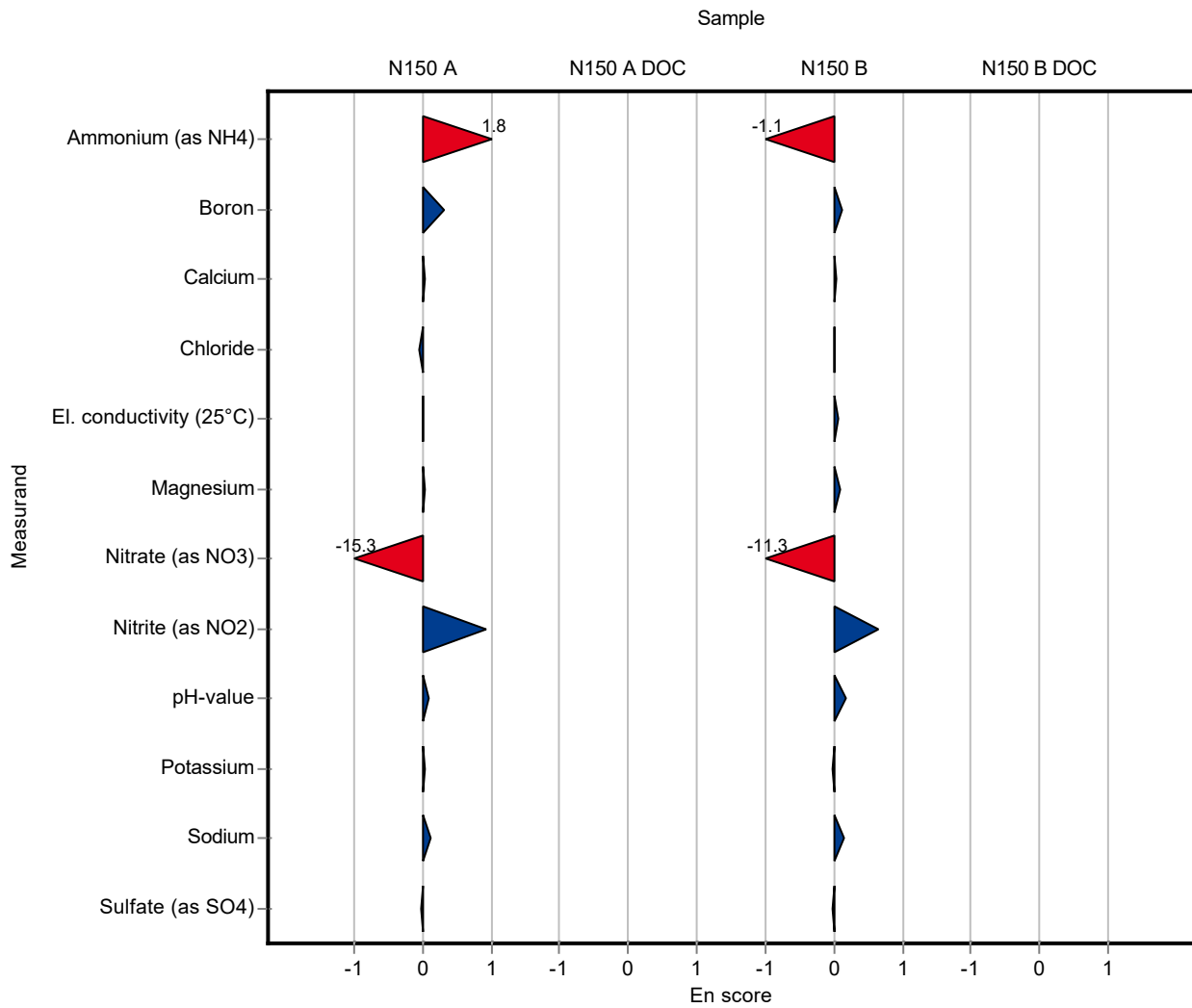
Sample: N150B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	2.74 ± 0.0137	- ± -	0.0547	-	-
Ammonium (as NH ₄)	mg/l	0.321 ± 0.00634	0.24 ± 0.036	0.0385	74.8	-1.12
Boron	mg/l	0.00948 ± 0.00044	0.01 ± 0.002	0.00104	105	0.13
Calcium	mg/l	48.2 ± 0.463	48.7 ± 7.3	1.5	101	0.03

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Chloride	mg/l	11.5 ± 0.13	11.5 ± 1.15	0.459	100	0.01
El. conductivity (25°C)	µS/cm	350 ± 1.44	354 ± 35.4	4.56	101	0.05
Hydrogen carbonate	mg/l	165 ± 1.09	- ± -	3.3	-	-
Magnesium	mg/l	10.9 ± 0.149	11.2 ± 1.68	0.435	103	0.09
Nitrate (as NO ₃)	mg/l	12 ± 0.174	2.68 ± 0.405	0.601	22.3	-11.30
Nitrite (as NO ₂)	mg/l	0.221 ± 0.00316	0.275 ± 0.041	0.0117	124	0.66
Orthophosphate (as PO ₄)	mg/l	0.166 ± 0.00363	<1 (LOQ) ± -	0.0149	-	-
pH-value	-	7.74 ± 0.033	7.8 ± 0.2	0.155	101	0.16
Potassium	mg/l	1.24 ± 0.0282	1.23 ± 0.185	0.0644	99.3	-0.02
Sodium	mg/l	6.39 ± 0.087	6.69 ± 1	0.217	105	0.15
Sulfate (as SO ₄)	mg/l	18.3 ± 0.193	18.2 ± 1.82	0.603	99.6	-0.02
Total-P (as PO ₄)	mg/l	0.7 ± 0.0182	- ± -	0.0525	-	-
Total hardness	mmol/l	1.68 ± 0.022	- ± -	0.0504	-	-
Total nitrogen	mg/l	3.1 ± 0.101	- ± -	0.258	-	-

Sample: N150BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	2.45 ± 0.0593	- ± -	0.245	-	-



Sample: N150A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	4.1 ± 0.0162	4.09 ± 0.12	0.0821	99.6	-0.18
Ammonium (as NH ₄)	mg/l	0.0588 ± 0.0023	0.06 ± 0.017	0.00706	102	0.17
Boron	mg/l	0.0209 ± 0.000944	0.021 ± 0.001	0.0023	100	0.02
Calcium	mg/l	71.6 ± 0.691	75 ± 0.2	2.22	105	1.52
Chloride	mg/l	31 ± 0.209	31 ± 1.5	1.24	100	0.00
El. conductivity (25°C)	µS/cm	545 ± 2.62	554 ± 0.55	7.09	102	1.25
Hydrogen carbonate	mg/l	249 ± 1.82	250 ± 2.5	4.99	100	0.12
Magnesium	mg/l	16.2 ± 0.207	16.3 ± 0.01	0.648	101	0.15
Nitrate (as NO ₃)	mg/l	7.06 ± 0.16	7 ± 0.17	0.353	99.2	-0.16
Nitrite (as NO ₂)	mg/l	0.202 ± 0.00286	0.2 ± 0.015	0.0107	99.2	-0.15
Orthophosphate (as PO ₄)	mg/l	0.137 ± 0.00441	0.14 ± 0.013	0.0123	102	0.27
pH-value	-	7.77 ± 0.027	7.7 ± 0.2	0.155	99.1	-0.43
Potassium	mg/l	2.28 ± 0.0331	2.28 ± 0.07	0.118	100	0.02
Sodium	mg/l	17.7 ± 0.216	18.1 ± 0.9	0.602	102	0.65
Sulfate (as SO ₄)	mg/l	31.2 ± 0.278	30.8 ± 0.16	1.03	98.7	-0.39
Total-P (as PO ₄)	mg/l	1.48 ± 0.0285	1.73 ± 0.01	0.111	117	2.21
Total hardness	mmol/l	2.48 ± 0.0362	2.1 ± 0.044	0.0745	84.5	-5.15
Total nitrogen	mg/l	1.76 ± 0.0577	1.69 ± 0.068	0.146	96	-0.48

Sample: N150ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.85 ± 0.0645	1.8 ± 0.18	0.185	97.2	-0.28

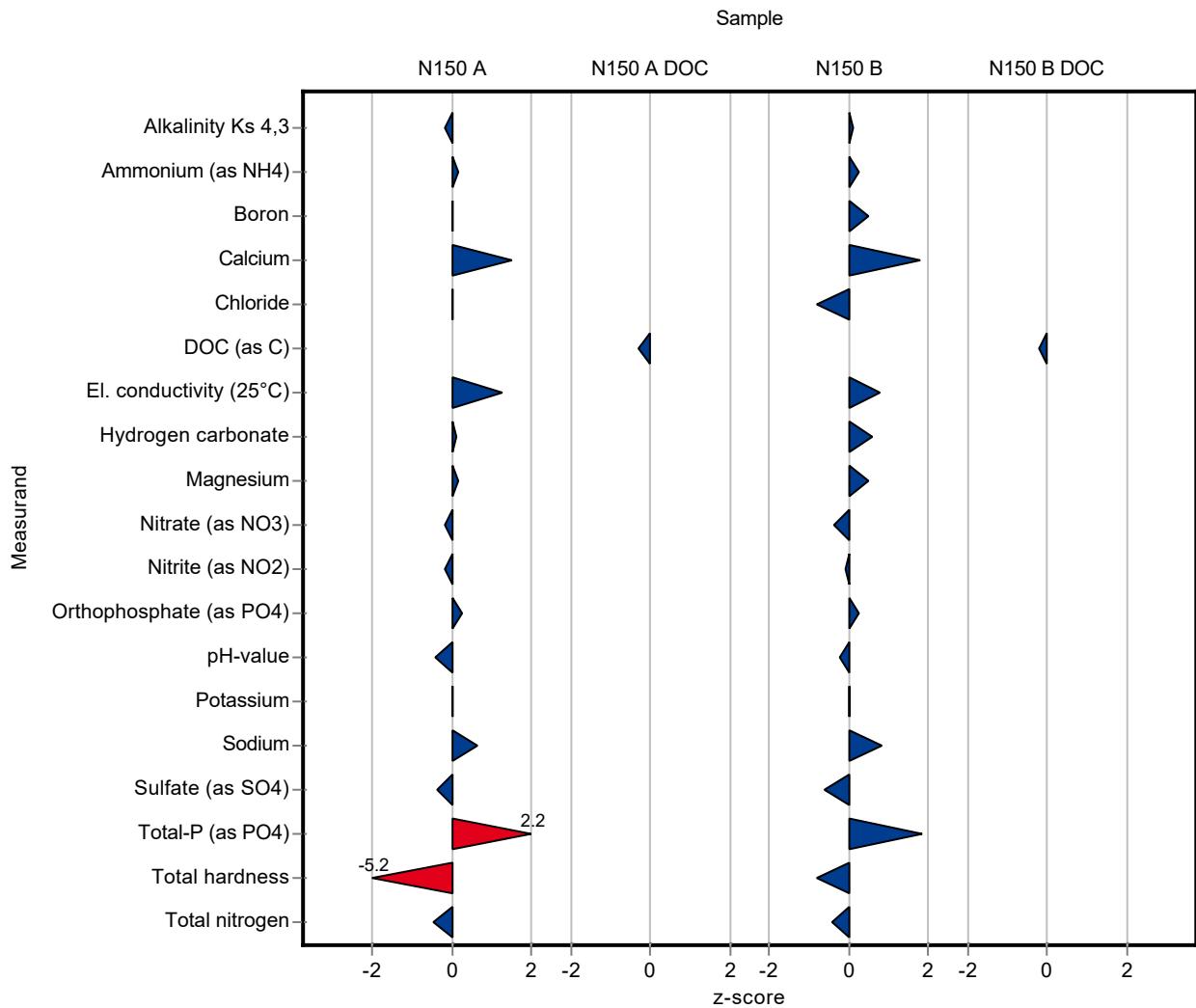
Sample: N150B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	2.74 ± 0.0137	2.74 ± 0.082	0.0547	100	0.09
Ammonium (as NH ₄)	mg/l	0.321 ± 0.00634	0.33 ± 0.021	0.0385	103	0.24
Boron	mg/l	0.00948 ± 0.00044	0.01 ± 0.0005	0.00104	105	0.49
Calcium	mg/l	48.2 ± 0.463	50.9 ± 0.15	1.5	106	1.78

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Chloride	mg/l	11.5 ± 0.13	11.1 ± 0.55	0.459	96.7	-0.82
El. conductivity (25°C)	µS/cm	350 ± 1.44	354 ± 0.35	4.56	101	0.78
Hydrogen carbonate	mg/l	165 ± 1.09	167 ± 1.7	3.3	101	0.59
Magnesium	mg/l	10.9 ± 0.149	11.1 ± 0.01	0.435	102	0.50
Nitrate (as NO ₃)	mg/l	12 ± 0.174	11.8 ± 0.28	0.601	98.2	-0.36
Nitrite (as NO ₂)	mg/l	0.221 ± 0.00316	0.22 ± 0.015	0.0117	99.6	-0.08
Orthophosphate (as PO ₄)	mg/l	0.166 ± 0.00363	0.17 ± 0.016	0.0149	102	0.27
pH-value	-	7.74 ± 0.033	7.7 ± 0.2	0.155	99.5	-0.23
Potassium	mg/l	1.24 ± 0.0282	1.24 ± 0.01	0.0644	100	0.01
Sodium	mg/l	6.39 ± 0.087	6.57 ± 0.33	0.217	103	0.82
Sulfate (as SO ₄)	mg/l	18.3 ± 0.193	17.9 ± 0.1	0.603	97.9	-0.63
Total-P (as PO ₄)	mg/l	0.7 ± 0.0182	0.797 ± 0.007	0.0525	114	1.85
Total hardness	mmol/l	1.68 ± 0.022	1.64 ± 0.034	0.0504	97.6	-0.79
Total nitrogen	mg/l	3.1 ± 0.101	2.99 ± 0.12	0.258	96.3	-0.44

Sample: N150BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.45 ± 0.0593	2.4 ± 0.24	0.245	98.1	-0.19



Sample: N150A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	4.1 ± 0.0162	4.09 ± 0.12	0.0821	99.6	-0.06
Ammonium (as NH4)	mg/l	0.0588 ± 0.0023	0.06 ± 0.017	0.00706	102	0.04
Boron	mg/l	0.0209 ± 0.000944	0.021 ± 0.001	0.0023	100	0.02
Calcium	mg/l	71.6 ± 0.691	75 ± 0.2	2.22	105	4.22
Chloride	mg/l	31 ± 0.209	31 ± 1.5	1.24	100	0.00
El. conductivity (25°C)	µS/cm	545 ± 2.62	554 ± 0.55	7.09	102	3.13
Hydrogen carbonate	mg/l	249 ± 1.82	250 ± 2.5	4.99	100	0.11
Magnesium	mg/l	16.2 ± 0.207	16.3 ± 0.01	0.648	101	0.47
Nitrate (as NO3)	mg/l	7.06 ± 0.16	7 ± 0.17	0.353	99.2	-0.15
Nitrite (as NO2)	mg/l	0.202 ± 0.00286	0.2 ± 0.015	0.0107	99.2	-0.05
Orthophosphate (as PO4)	mg/l	0.137 ± 0.00441	0.14 ± 0.013	0.0123	102	0.13
pH-value	-	7.77 ± 0.027	7.7 ± 0.2	0.155	99.1	-0.17
Potassium	mg/l	2.28 ± 0.0331	2.28 ± 0.07	0.118	100	0.02
Sodium	mg/l	17.7 ± 0.216	18.1 ± 0.9	0.602	102	0.21
Sulfate (as SO4)	mg/l	31.2 ± 0.278	30.8 ± 0.16	1.03	98.7	-0.94
Total-P (as PO4)	mg/l	1.48 ± 0.0285	1.73 ± 0.01	0.111	117	7.07
Total hardness	mmol/l	2.48 ± 0.0362	2.1 ± 0.044	0.0745	84.5	-4.04
Total nitrogen	mg/l	1.76 ± 0.0577	1.69 ± 0.068	0.146	96	-0.48

Sample: N150ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.85 ± 0.0645	1.8 ± 0.18	0.185	97.2	-0.14

Sample: N150B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	2.74 ± 0.0137	2.74 ± 0.082	0.0547	100	0.03
Ammonium (as NH4)	mg/l	0.321 ± 0.00634	0.33 ± 0.021	0.0385	103	0.22
Boron	mg/l	0.00948 ± 0.00044	0.01 ± 0.0005	0.00104	105	0.47
Calcium	mg/l	48.2 ± 0.463	50.9 ± 0.15	1.5	106	4.83

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Chloride	mg/l	11.5 ± 0.13	11.1 ± 0.55	0.459	96.7	-0.34
El. conductivity (25°C)	µS/cm	350 ± 1.44	354 ± 0.35	4.56	101	2.21
Hydrogen carbonate	mg/l	165 ± 1.09	167 ± 1.7	3.3	101	0.55
Magnesium	mg/l	10.9 ± 0.149	11.1 ± 0.01	0.435	102	1.45
Nitrate (as NO ₃)	mg/l	12 ± 0.174	11.8 ± 0.28	0.601	98.2	-0.37
Nitrite (as NO ₂)	mg/l	0.221 ± 0.00316	0.22 ± 0.015	0.0117	99.6	-0.03
Orthophosphate (as PO ₄)	mg/l	0.166 ± 0.00363	0.17 ± 0.016	0.0149	102	0.13
pH-value	-	7.74 ± 0.033	7.7 ± 0.2	0.155	99.5	-0.09
Potassium	mg/l	1.24 ± 0.0282	1.24 ± 0.01	0.0644	100	0.02
Sodium	mg/l	6.39 ± 0.087	6.57 ± 0.33	0.217	103	0.27
Sulfate (as SO ₄)	mg/l	18.3 ± 0.193	17.9 ± 0.1	0.603	97.9	-1.36
Total-P (as PO ₄)	mg/l	0.7 ± 0.0182	0.797 ± 0.007	0.0525	114	4.22
Total hardness	mmol/l	1.68 ± 0.022	1.64 ± 0.034	0.0504	97.6	-0.56
Total nitrogen	mg/l	3.1 ± 0.101	2.99 ± 0.12	0.258	96.3	-0.43

Sample: N150BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	2.45 ± 0.0593	2.4 ± 0.24	0.245	98.1	-0.10

