

Proficiency Testing Scheme für die Wasseranalytik - Realproben N155 Nährstoffe

Proficiency Testing Scheme for Water Analysis - natural water samples N155 Nutrients/Major ions

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Inhaltsverzeichnis / Table of Contents

D1. Beschreibung des Ringversuchs.....	5
D1.1. Ausgestaltung und Durchführung	5
D1.2. Beschreibung der Prüfgegenstände	5
D1.3. Anweisungen für die Teilnehmer	6
D1.4. Kontrollanalytik zur Bewertung der Homogenität	6
D1.5. Trendtest zur Bewertung der Stabilität.....	6
D1.6. Ermittlung des zugewiesenen Wertes.....	7
D2. Kriterien der Leistungsbewertung	8
D2.1. Leistungskriterium z-Score.....	8
D2.2. Leistungskriterium E _n -Score	8
D2.3. Leistungsbewertung z-Score und E _n -Score.....	9
D3. Darstellung und Interpretation der Messergebnisse.....	9
D4. Anmerkungen zur Auswertung.....	10
D5. Erläuterung zu Tabellen und Grafiken	11
D5.1. Angaben und Abkürzungen in Tabellen.....	11
D5.2. Graphische Darstellung der Ergebnisse	14
D6. Zusammenfassung	17
D6.1. Tabelle der zugewiesenen Werte	17
D6.2. Zusammenfassung der ausreißerbereinigten Ringversuchsergebnisse ..	18
E1. Description of the proficiency test	20
E1.1. Design and implementation	20
E1.2. Description of the proficiency test items	20
E1.3. Instructions for the participants.....	21
E1.4. Control testing for homogeneity evaluation.....	21
E1.5. Trend test for stability evaluation	21
E1.6. Determination of the assigned values.....	22
E2. Criteria of performance evaluation	23
E2.1. Performance criterion z-Score	23
E2.2. Performance criterion E _n -Score	23
E2.3. Performance evaluation z-Score and E _n -Score	24
E3. Representation and interpretation of measurement results.....	25
E4. Explanatory notes	25

E5. Annotations on tables and charts	26
E5.1. Information and abbreviations in tables	26
E5.2. Graphical presentation of results	28
E6. Summary	31
E6.1. Table of assigned values	31
E6.2. Summary of results, after removal of outliers.....	32
E7. Parameterorientierte Auswertung / Parameter oriented report.....	34
E8. Labororientierte Auswertung / Laboratory oriented report.....	225
E9. Methodenübersicht / Overview of methods	596

D1. Beschreibung des Ringversuchs

D1.1. Ausgestaltung und Durchführung

- Anzahl der Anmeldungen: 62
- Anzahl der übermittelten Datensätze: 61
- Probenversand: 09.02.2021
- Einsendeschluss der Daten: 09.03.2021

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 und Oberflächenwasser erfolgte am 04.02.2021. Das Probenmaterial umfasste:

- 1 Probe Grundwasser (N155 A)
- 1 Probe Oberflächenwasser (N155 B)

Alle Proben wurden über 0,45 µm Membranfilter filtriert und anschließend bis zur weiteren Verarbeitung gekühlt gelagert (4 +/-3°C). 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 09.02.2021 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 17.02.2021 mit den Analysen zu beginnen.

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

D1.4. Kontrollanalytik zur Bewertung der Homogenität

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

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

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

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

Die Ergebnisse der Kontrollanalytik sind in der parameterorientierten Auswertung (E.7.) 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 09.03.2021 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 eingestuft Werte wurden in der Auswertung gekennzeichnet („H“). In begründeten Fällen, z.B. wenn der Ausreißertest nach Hampel nicht anwendbar ist (z.B. Ergebnisse liegen sehr eng beieinander oder überwiegend selber Zahlenwert bzw. bei wenig abgegebenen Daten mit sehr hoher Streuung), kann eine Ausreißereliminierung nach weiteren Kriterien erfolgen (z.B. Dean- und Dixon Test bzw. manuelle Ausreißerdefinition aufgrund Expertenbefund). Diese Vorgangsweise wird nach Anwendung unter Punkt D4 des Berichts dokumentiert.

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

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

Bei sehr hohen Streuungen der Teilnehmerergebnisse von über 50 % 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:

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

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), $k=2$
$U(\bar{X})$	erweiterte Messunsicherheit des zugewiesenen Wertes, $k=2$

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

Interpretation der z-Scores:

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

Hinweis: Bei der Bewertung mittels z-Score wird die Messunsicherheit der 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 D.5. 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.

Bei allen Parametern wurde als Kriterium für die Berechnung des z-Scores das RSDpool Kriterium gewählt.

Parameter pH-Wert, elektrische Leitfähigkeit (25°C), Bor, Kalium, Natrium, Ammonium, Säurekapazität KS 4,3 (Alkalinität), Nitrit und Nges (Gesamtstickstoff) Probe N155A und Parameter elektrische Leitfähigkeit (25°C), Bor, Kalium, Natrium, Ammonium, Säurekapazität KS 4,3 (Alkalinität), Nitrit und Hydrogencarbonat Probe N155B: 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

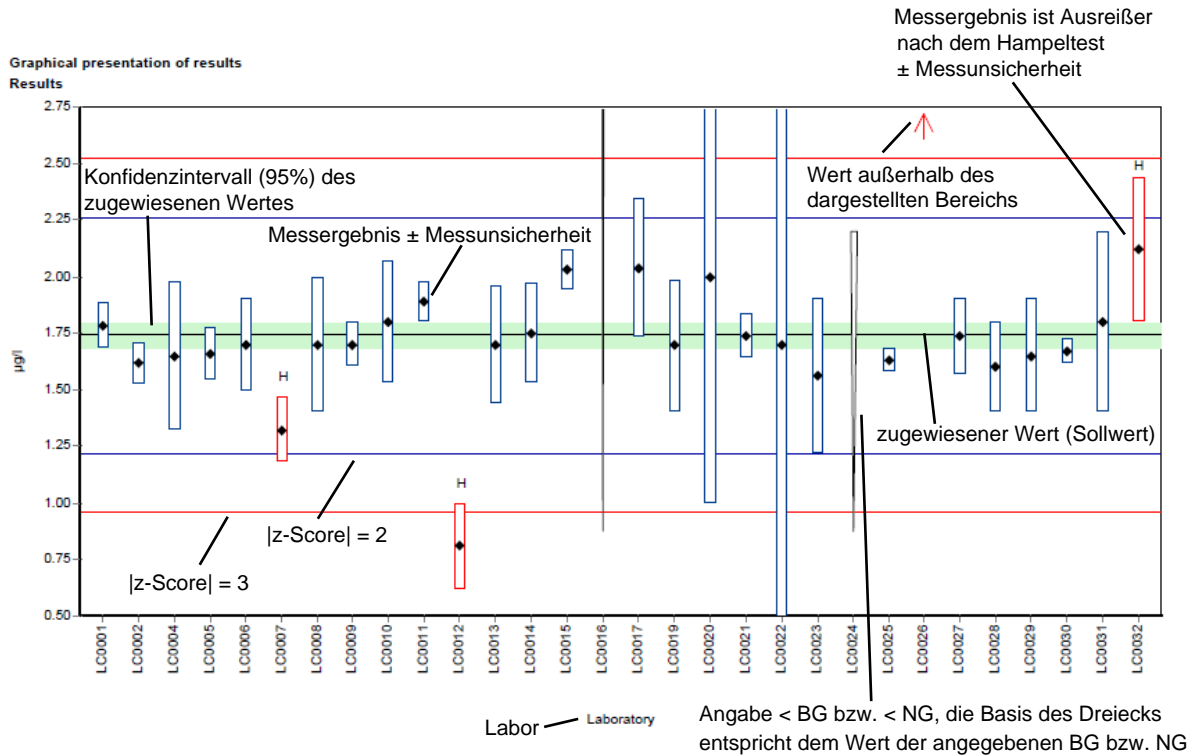
Messwert	einzelne(r) Messwert(e) lt. Teilnehmerangabe (maximal 5 Nachkommastellen dargestellt)
Messergebnis	Für die Bewertung herangezogenes Ergebnis lt. Teilnehmerangabe (maximal 5 Nachkommastellen dargestellt). Bei Eignungsprüfungsrunden mit Vorgabe von unabhängigen Mehrfachbestimmungen, entspricht dies dem berechneten Mittelwert aus den einzelnen Messwerten der Teilnehmer.
± U	kombinierte Messunsicherheit ohne Erweiterungsfaktor (k=1) 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

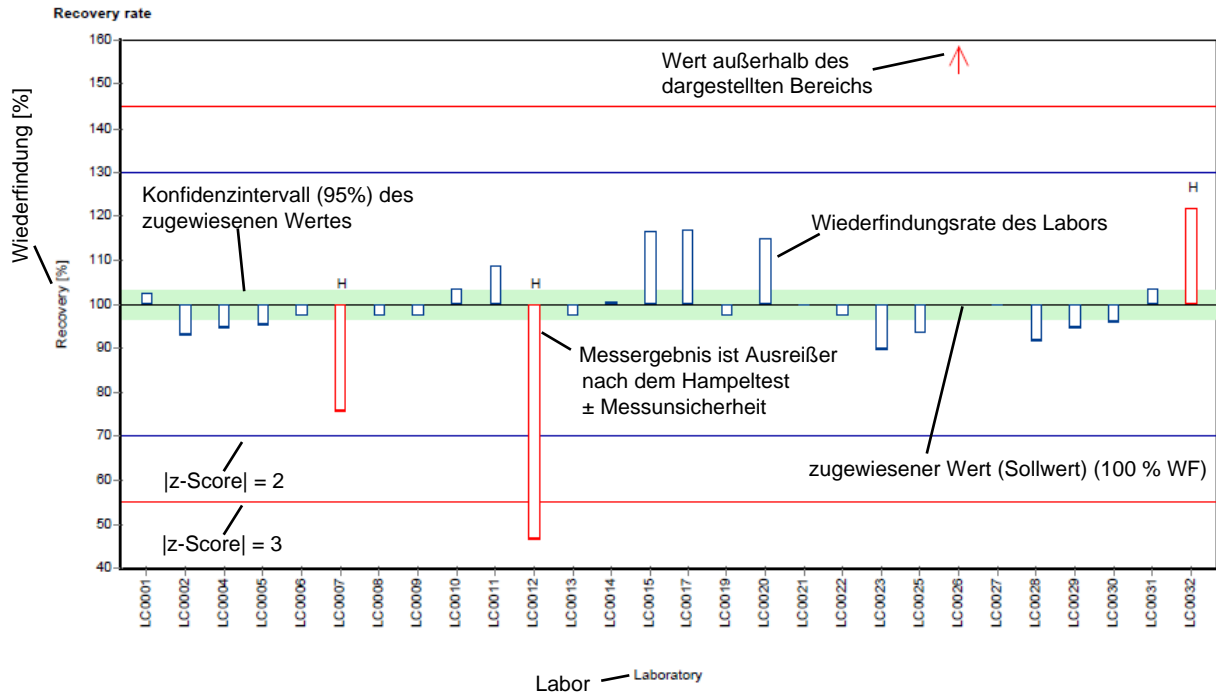
Nachfolgend wird die graphische Darstellung anhand von kommentierten Beispieldiagrammen erläutert.

Beispieldiagramm: Messwerte



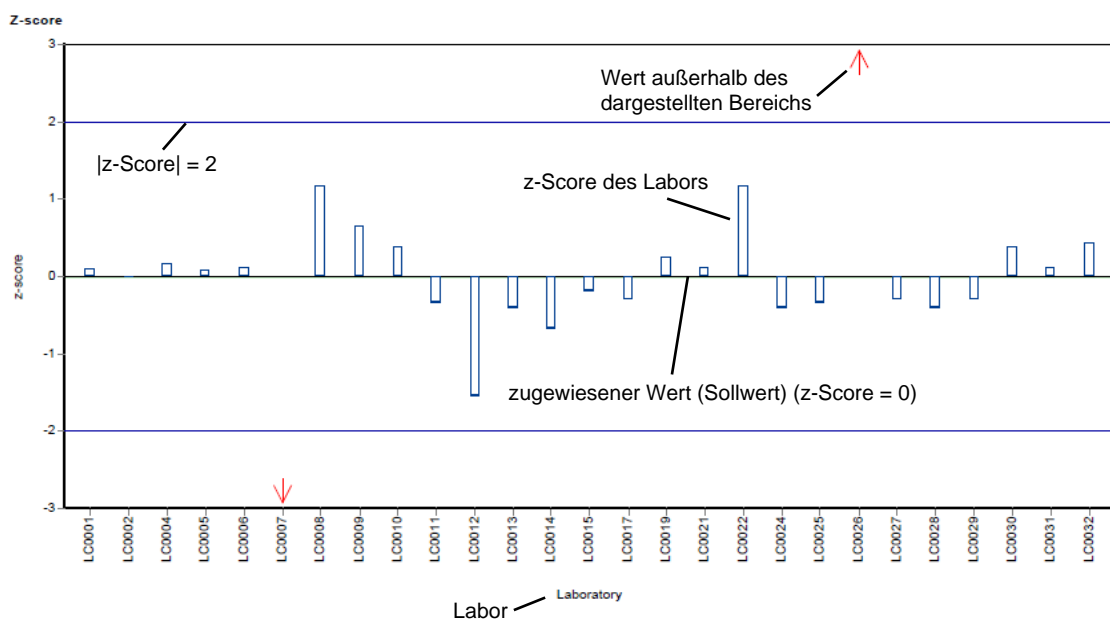
Unterschiedliche Analysenmethoden werden mit unterschiedlichen Farben kenntlich gemacht.

Beispieldiagramm: Wiederfindung zum zugewiesenen Wert



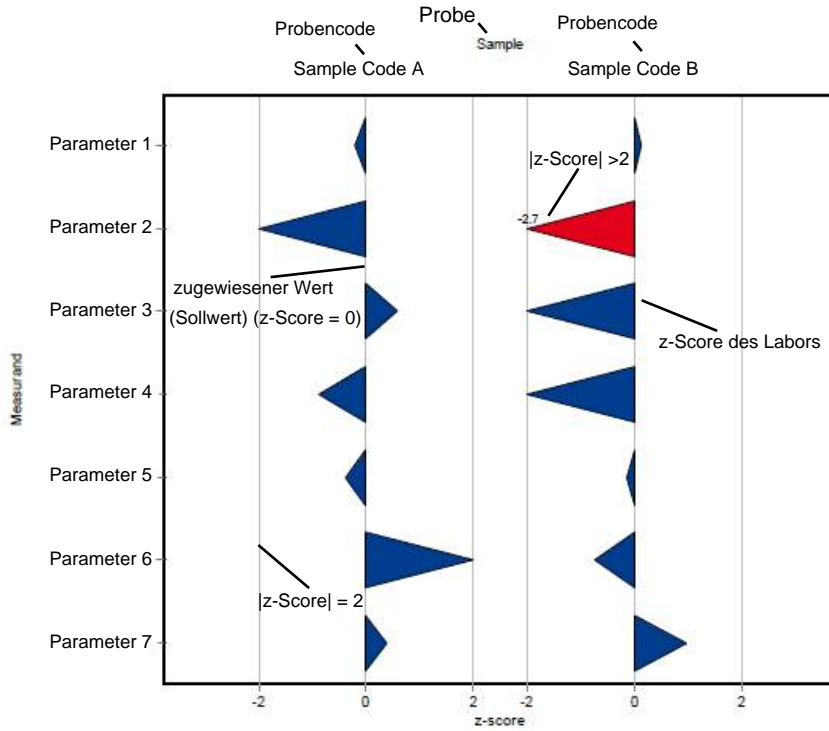
Unterschiedliche Analysemethoden werden mit unterschiedlichen Farben kenntlich gemacht.

Beispieldiagramm: z-Score

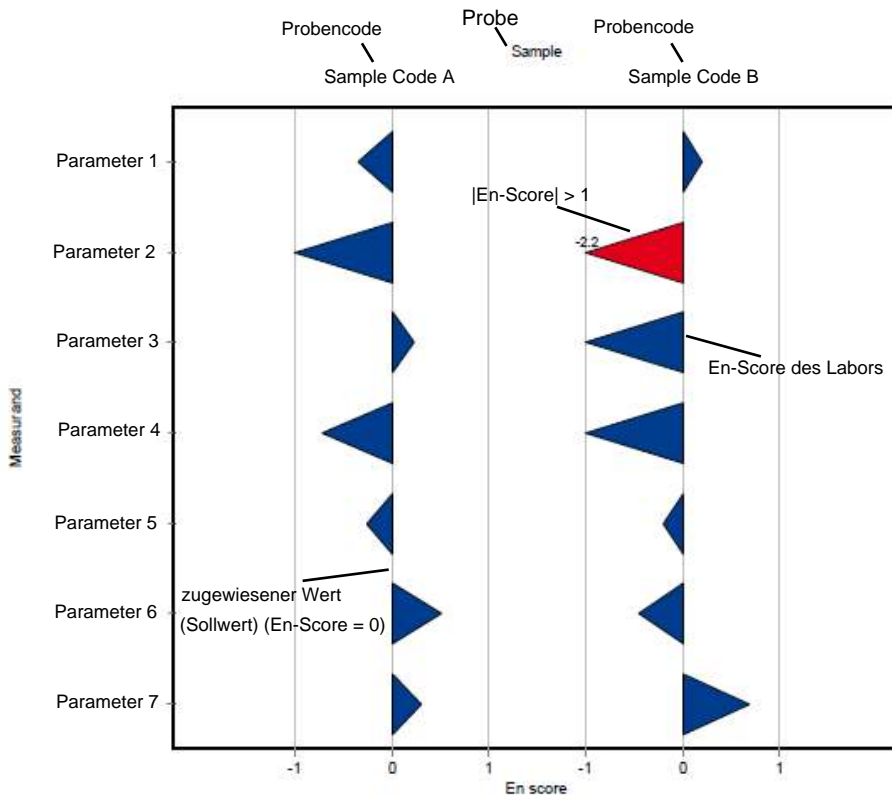


Unterschiedliche Analysemethoden werden mit unterschiedlichen Farben kenntlich gemacht.

Beispieldiagramm: z-Score (labororientierte Auswertung)



Beispieldiagramm: En-Score (labororientierte Auswertung)



D6. Zusammenfassung

D6.1. Tabelle der zugewiesenen Werte

Parameter	Probe	Einheit	zugewiesener Wert	±	U (k=2)	Kriterium	Kriterium [%]
Säurekapazität Ks 4,3	N155 A	mmol/l	7.28	± 0.029	0.146	2	
	N155 B	mmol/l	3.11	± 0.0171	0.0622	2	
Ammonium (als NH ₄)	N155 A	mg/l	0.0854	± 0.00275	0.0102	12	
	N155 B	mg/l	0.359	± 0.00779	0.0431	12	
Bor	N155 A	mg/l	0.0534	± 0.00214	0.00588	11	
	N155 B	mg/l	0.0189	± 0.000778	0.00208	11	
Calcium	N155 A	mg/l	155	± 2	4.82	3.1	
	N155 B	mg/l	58.7	± 0.681	1.82	3.1	
Chlorid	N155 A	mg/l	85.1	± 0.62	3.4	4	
	N155 B	mg/l	44.2	± 0.341	1.77	4	
DOC (berechnet als C)	N155 A DOC	mg/l	2.07	± 0.0588	0.207	10	
	N155 B DOC	mg/l	4.27	± 0.0971	0.427	10	
elektr. Leitfähigkeit (25°C)	N155 A	µS/cm	1080	± 4.42	14	1.3	
	N155 B	µS/cm	517	± 1.75	6.72	1.3	
Hydrogencarbonat	N155 A	mg/l	442	± 1.46	8.84	2	
	N155 B	mg/l	189	± 1.54	3.78	2	
Magnesium	N155 A	mg/l	36.2	± 0.459	1.45	4	
	N155 B	mg/l	12.5	± 0.185	0.501	4	
Nitrat (als NO ₃)	N155 A	mg/l	10.7	± 0.126	0.537	5	
	N155 B	mg/l	20.1	± 0.156	1.01	5	
Nitrit (als NO ₂)	N155 A	mg/l	0.102	± 0.00202	0.00539	5.3	
	N155 B	mg/l	0.24	± 0.00384	0.0127	5.3	
Orthophosphat (als PO ₄)	N155 A	mg/l	0.0589	± 0.00231	0.0053	9	
	N155 B	mg/l	0.235	± 0.00356	0.0212	9	
pH-Wert	N155 A	-	7.73	± 0.027	0.155	2	
	N155 B	-	7.92	± 0.0209	0.158	2	
Kalium	N155 A	mg/l	2.4	± 0.0526	0.125	5.2	
	N155 B	mg/l	2.94	± 0.0476	0.153	5.2	
Natrium	N155 A	mg/l	21.5	± 0.289	0.73	3.4	
	N155 B	mg/l	25.6	± 0.277	0.87	3.4	
Sulfat (als SO ₄)	N155 A	mg/l	94.2	± 1.02	3.11	3.3	
	N155 B	mg/l	24.7	± 0.31	0.815	3.3	
Gesamt-P (als PO ₄)	N155 A	mg/l	1.16	± 0.0213	0.0869	7.5	
	N155 B	mg/l	1.1	± 0.0151	0.0824	7.5	
Gesamthärte	N155 A	mmol/l	5.41	± 0.0392	0.162	3	
	N155 B	mmol/l	2	± 0.0126	0.0599	3	
Gesamtstickstoff	N155 A	mg/l	2.59	± 0.0647	0.215	8.3	
	N155 B	mg/l	5.05	± 0.0813	0.42	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	N155 A	45	1	mmol/l	7.29	± 0.0405	7.1	7.5	0.0905	1.2
	N155 B	43	3	mmol/l	3.11	± 0.023	3	3.23	0.0503	1.6
Ammonium (als NH ₄)	N155 A	42	2	mg/l	0.0846	± 0.00378	0.068	0.1	0.00816	9.6
	N155 B	42	3	mg/l	0.359	± 0.0106	0.3	0.415	0.0229	6.4
Bor	N155 A	22	3	mg/l	0.0533	± 0.0031	0.042	0.06	0.00484	9.1
	N155 B	15	6	mg/l	0.0189	± 0.00117	0.017	0.023	0.00151	8
Calcium	N155 A	41	0	mg/l	155	± 3	139	167	6.4	4.1
	N155 B	41	0	mg/l	58.7	± 1.02	53.5	62.7	2.18	3.7
Chlorid	N155 A	42	4	mg/l	85.1	± 0.93	80.8	89.4	2.01	2.4
	N155 B	45	1	mg/l	44.2	± 0.511	41.5	46.6	1.14	2.6
DOC (berechnet als C)	N155 A DOC	36	5	mg/l	2.07	± 0.0882	1.65	2.46	0.176	8.5
	N155 B DOC	37	4	mg/l	4.27	± 0.146	3.84	4.98	0.295	6.9
elektr. Leitfähigkeit (25°C)	N155 A	50	4	µS/cm	1080	± 6.01	1040	1120	14.2	1.3
	N155 B	48	6	µS/cm	517	± 2.34	501	529	5.41	1
Hydrogencarbonat	N155 A	34	5	mg/l	442	± 2.19	433	451	4.25	0.96
	N155 B	36	3	mg/l	189	± 2	180	200	3.99	2.1
Magnesium	N155 A	39	2	mg/l	36.2	± 0.688	33	39.1	1.43	4
	N155 B	39	2	mg/l	12.5	± 0.277	11.3	14.3	0.577	4.6
Nitrat (als NO ₃)	N155 A	45	3	mg/l	10.7	± 0.19	9.6	11.5	0.424	3.9
	N155 B	44	4	mg/l	20.1	± 0.234	18.9	21.1	0.518	2.6
Nitrit (als NO ₂)	N155 A	38	5	mg/l	0.102	± 0.00287	0.087	0.116	0.0059	5.8
	N155 B	42	2	mg/l	0.239	± 0.00634	0.2	0.27	0.0137	5.7
Orthophosphat (als PO ₄)	N155 A	34	2	mg/l	0.0589	± 0.00347	0.0465	0.0705	0.00675	11
	N155 B	35	4	mg/l	0.235	± 0.00533	0.217	0.258	0.0105	4.5
pH-Wert	N155 A	51	5	-	7.74	± 0.0373	7.58	7.95	0.0888	1.1
	N155 B	49	7	-	7.92	± 0.0313	7.75	8.08	0.0731	0.92

Parameter	Probe	Anzahl Labors für Berechnung	Anzahl Ausreißer Labors	Einheit	Mittelwert	± VB (99%)	Minimum	Maximum	sR	vR [%]
Kalium	N155 A	38	1	mg/l	2.4	± 0.0713	2.04	2.67	0.146	6.1
	N155 B	37	2	mg/l	2.95	± 0.0618	2.67	3.18	0.125	4.3
Natrium	N155 A	40	0	mg/l	21.5	± 0.357	19.4	23.1	0.753	3.5
	N155 B	38	2	mg/l	25.5	± 0.367	23.8	27.2	0.754	3
Sulfat (als SO ₄)	N155 A	43	1	mg/l	94.2	± 1.53	84.4	101	3.35	3.6
	N155 B	42	2	mg/l	24.7	± 0.465	22.7	27.3	1.01	4.1
Gesamt-P (als PO ₄)	N155 A	32	8	mg/l	1.16	± 0.0319	1.03	1.28	0.0601	5.2
	N155 B	31	10	mg/l	1.1	± 0.0226	1.01	1.19	0.0419	3.8
Gesamthärte	N155 A	30	6	mmol/l	5.41	± 0.0589	5.17	5.67	0.107	2
	N155 B	30	6	mmol/l	2	± 0.0189	1.92	2.1	0.0346	1.7
Gesamtstickstoff	N155 A	26	4	mg/l	2.58	± 0.0917	2.34	2.9	0.156	6
	N155 B	27	3	mg/l	5.05	± 0.122	4.65	5.44	0.211	4.2

E1. Description of the proficiency test

E1.1. Design and implementation

- Number of registrations: 62
- Number of submitted data records: 61
- Dispatch of samples: 09th February 2021
- Closing date for submission of data: 09th March 2021

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

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

E1.2. Description of the proficiency test items

The sampling of ground water and surface water were both carried out on 04th February 2021.

The following samples were made available

- 1 sample ground water (N155 A)
- 1 sample surface water (N155 B)

Both samples were filtered using 0.45 µm membrane disc filters and stored at 4 +/- 3°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 09th February 2021.

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 17th February 2021 at the latest.

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

E1.4. Control testing for homogeneity evaluation

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

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

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

In the parameter-oriented evaluation (E.7.), the results of the control testing are given in the form of arithmetic means of the detected concentrations \pm expanded measurement uncertainty as control test value \pm U (expanded uncertainty, k=2).

E1.5. Trend test for stability evaluation

The evaluation of stability of the proficiency test items was performed using the data statistics of the results of previous proficiency testing rounds for real water samples of the period from 2013 to 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 participants results, it was furthermore tested if systematic trends could be detected depending on the order in which the bottles were filled for the proficiency test: No systematic trends could be identified.

According to data obtained from previous rounds 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 09th March 2021. Any values received at a later date were not considered.

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

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

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

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

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

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

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

E2. Criteria of performance evaluation

E2.1. Performance criterion z-Score

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

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

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

In this context,

x_i	is the measurement value (result) of the participating laboratory;
\bar{X}	assigned value the target value for the assessment of the performance of the participants (3 significant digits), normally the average value of the participants' results after removal of outliers; if this approach is not applicable, the target value is assigned according to the procedure given in section E4
Criteria	is the reproducibility standard deviation calculated from previous rounds for proficiency testing for real water samples from 2013 to 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 on the basis of the following formula:

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

In this context,

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

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

Interpretation of z-Scores:

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

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

Interpretation of E_n -Scores:

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

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

E3. Representation and interpretation of measurement results

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

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

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

An annotation of the tables and graphics is given in section E.5.

E4. Explanatory notes

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

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

As a result of a long-term evaluation of 7 proficiency testing rounds (2013 - 2019) in real samples, evaluation criteria (RSDpool) were calculated. These criteria were compared with the relative reproducibility standard deviation (vR) of the current proficiency testing. For all parameters RSDpool was chosen as criterion to calculate the z-scores.

Parameter pH-value, Electrical conductivity (25 °C), Boron, Potassium, Sodium, Ammonium, Alkalinity KS 4,3, Nitrite and Total N (total Nitrogen) sample N155A and parameters Electrical conductivity (25 °C), Boron, Potassium, Sodium, Ammonium, Alkalinity KS 4,3, Nitrite and Hydrogen carbonate sample N155B: 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

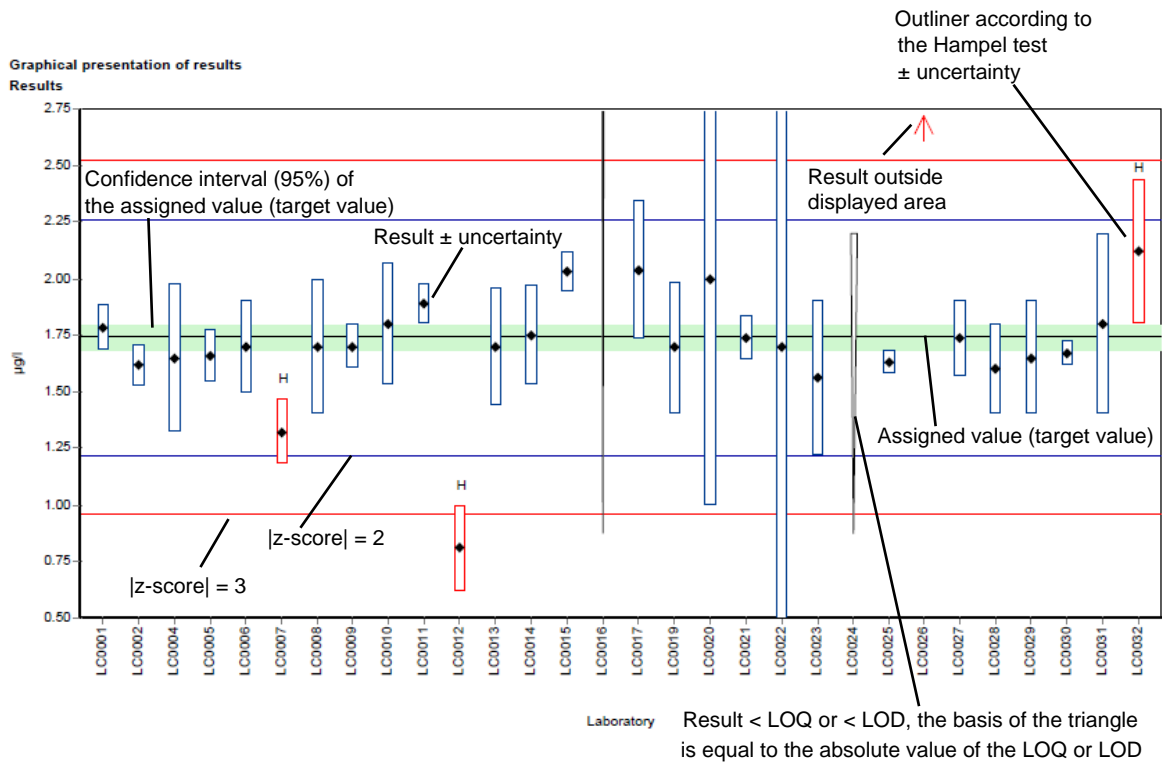
Parameter	Analyte identifier
Sample	Sample identifier
Unit	Given unit for result and uncertainty (e.g. µg/l)
Assigned value	Target value for proficiency assessment of the participants (3 significant digits)
U (k=2)	Expanded uncertainty (k=2) of the assigned value (3 significant digits)
Criteria	Specified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

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

E5.2. Graphical presentation of results

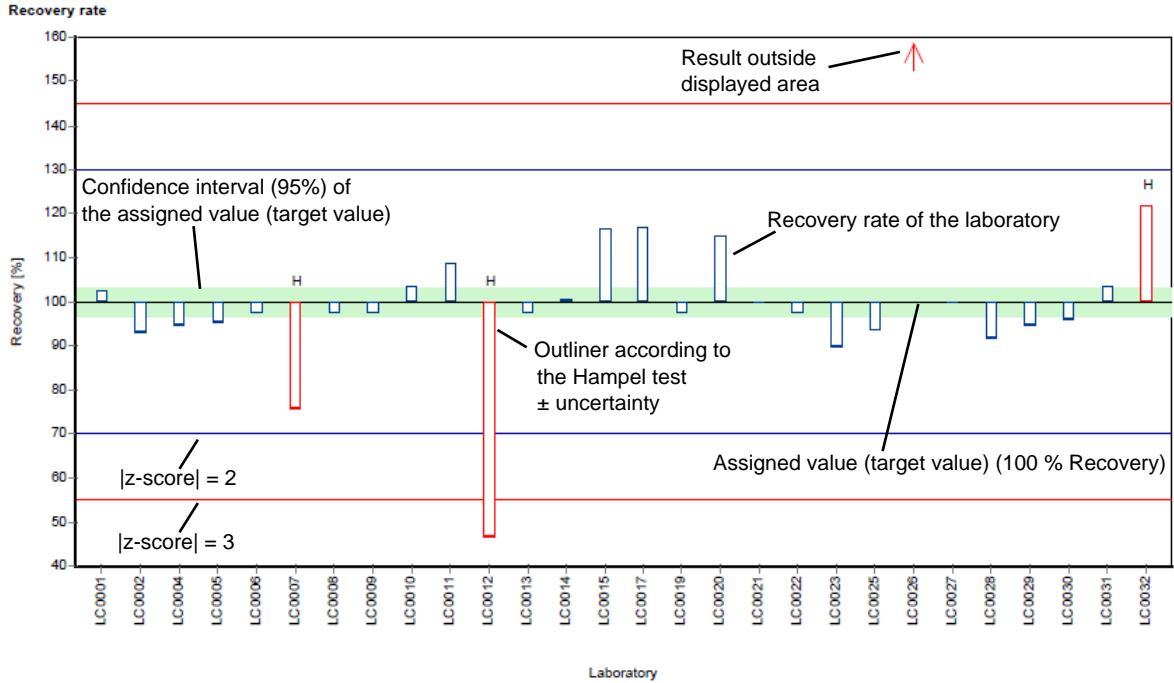
The graphic representation in the report is explained below by means of commented example diagrams:

Example chart: Results



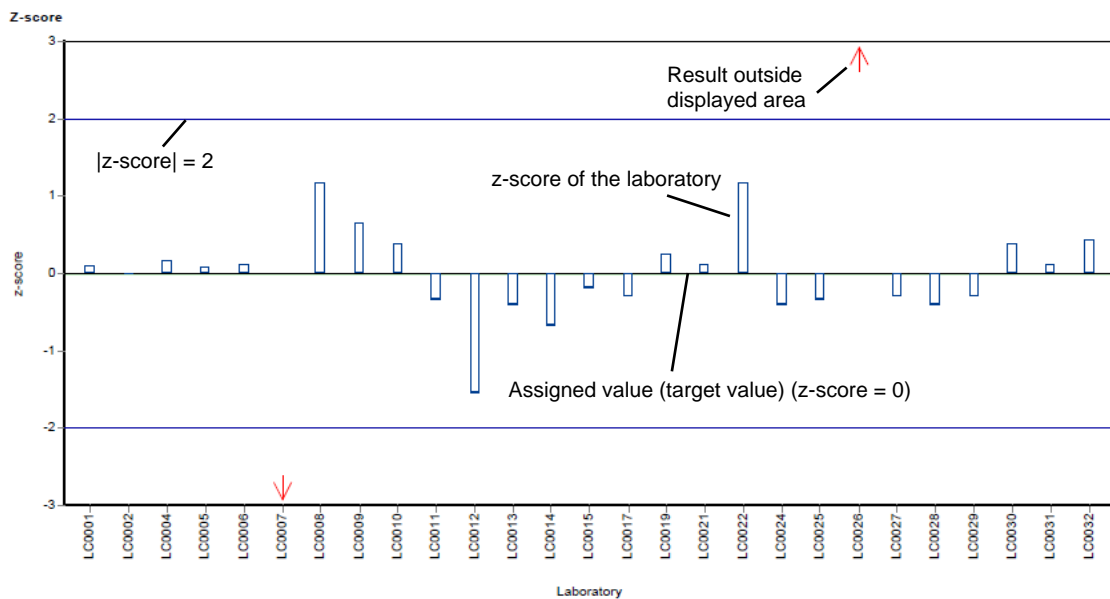
Different analysis methods are represented with different colors.

Example chart: Recovery



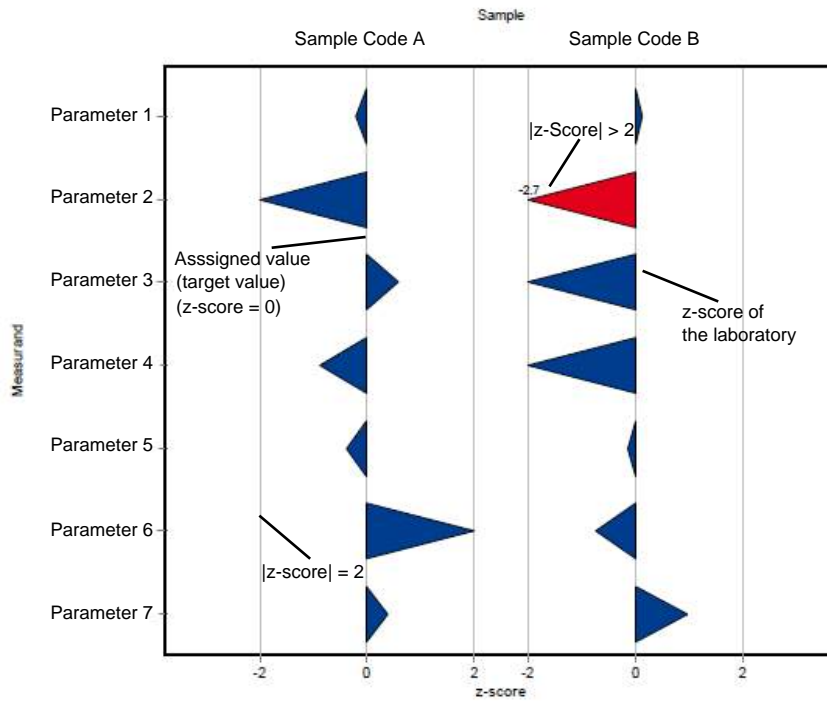
Different analysis methods are represented with different colors.

Example chart: z-score

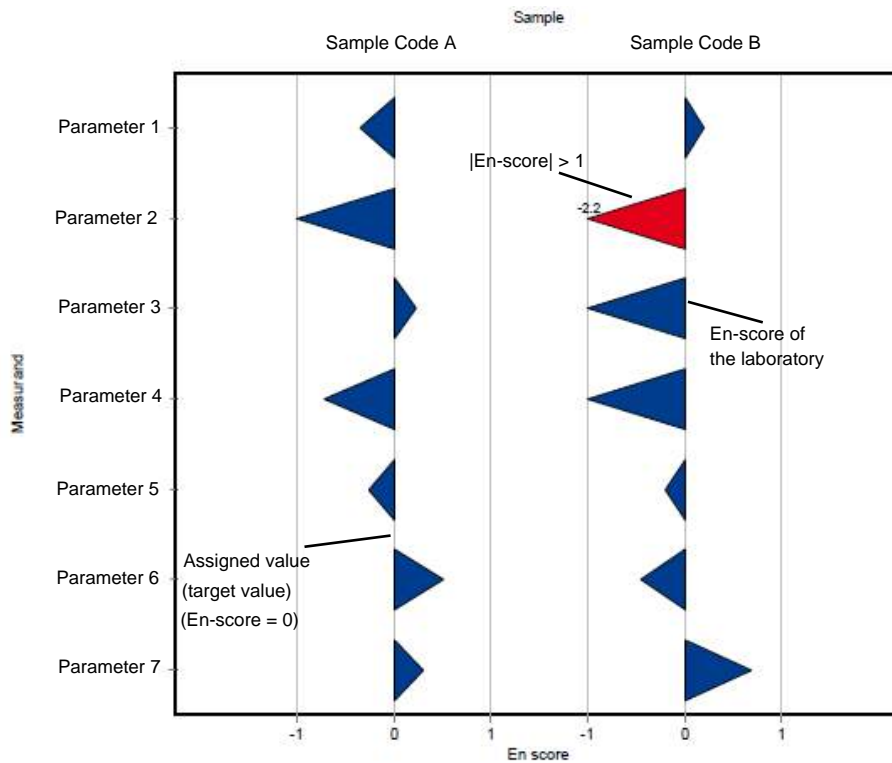


Different analysis methods are represented with different colors.

Example chart: z-score (laboratory oriented report)



Example chart: En-score (laboratory oriented report)



E6. Summary

E6.1. Table of assigned values

Parameter	Sample	Unit	Assigned value ±	U (k=2)	Criterion	Criterion [%]
Alkalinity Ks 4,3	N155 A	mmol/l	7.28 ±	0.029	0.146	2
	N155 B	mmol/l	3.11 ±	0.0171	0.0622	2
Ammonium (as NH ₄)	N155 A	mg/l	0.0854 ±	0.00275	0.0102	12
	N155 B	mg/l	0.359 ±	0.00779	0.0431	12
Boron	N155 A	mg/l	0.0534 ±	0.00214	0.00588	11
	N155 B	mg/l	0.0189 ±	0.000778	0.00208	11
Calcium	N155 A	mg/l	155 ±	2	4.82	3.1
	N155 B	mg/l	58.7 ±	0.681	1.82	3.1
Chloride	N155 A	mg/l	85.1 ±	0.62	3.4	4
	N155 B	mg/l	44.2 ±	0.341	1.77	4
DOC (as C)	N155 A DOC	mg/l	2.07 ±	0.0588	0.207	10
	N155 B DOC	mg/l	4.27 ±	0.0971	0.427	10
El. conductivity (25°C)	N155 A	µS/cm	1080 ±	4.42	14	1.3
	N155 B	µS/cm	517 ±	1.75	6.72	1.3
Hydrogen carbonate	N155 A	mg/l	442 ±	1.46	8.84	2
	N155 B	mg/l	189 ±	1.54	3.78	2
Magnesium	N155 A	mg/l	36.2 ±	0.459	1.45	4
	N155 B	mg/l	12.5 ±	0.185	0.501	4
Nitrate (as NO ₃)	N155 A	mg/l	10.7 ±	0.126	0.537	5
	N155 B	mg/l	20.1 ±	0.156	1.01	5
Nitrite (as NO ₂)	N155 A	mg/l	0.102 ±	0.00202	0.00539	5.3
	N155 B	mg/l	0.24 ±	0.00384	0.0127	5.3
Orthophosphate (as PO ₄)	N155 A	mg/l	0.0589 ±	0.00231	0.0053	9
	N155 B	mg/l	0.235 ±	0.00356	0.0212	9
pH-value	N155 A	-	7.73 ±	0.027	0.155	2
	N155 B	-	7.92 ±	0.0209	0.158	2
Potassium	N155 A	mg/l	2.4 ±	0.0526	0.125	5.2
	N155 B	mg/l	2.94 ±	0.0476	0.153	5.2
Sodium	N155 A	mg/l	21.5 ±	0.289	0.73	3.4
	N155 B	mg/l	25.6 ±	0.277	0.87	3.4
Sulfate (as SO ₄)	N155 A	mg/l	94.2 ±	1.02	3.11	3.3
	N155 B	mg/l	24.7 ±	0.31	0.815	3.3
Total-P (as PO ₄)	N155 A	mg/l	1.16 ±	0.0213	0.0869	7.5
	N155 B	mg/l	1.1 ±	0.0151	0.0824	7.5
Total hardness	N155 A	mmol/l	5.41 ±	0.0392	0.162	3
	N155 B	mmol/l	2 ±	0.0126	0.0599	3
Total nitrogen	N155 A	mg/l	2.59 ±	0.0647	0.215	8.3
	N155 B	mg/l	5.05 ±	0.0813	0.42	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	N155 A	45	1	mmol/l	7.29	± 0.0405	7.1	7.5	0.0905	1.2
	N155 B	43	3	mmol/l	3.11	± 0.023	3	3.23	0.0503	1.6
Ammonium (as NH ₄)	N155 A	42	2	mg/l	0.0846	± 0.00378	0.068	0.1	0.00816	9.6
	N155 B	42	3	mg/l	0.359	± 0.0106	0.3	0.415	0.0229	6.4
Boron	N155 A	22	3	mg/l	0.0533	± 0.0031	0.042	0.06	0.00484	9.1
	N155 B	15	6	mg/l	0.0189	± 0.00117	0.017	0.023	0.00151	8
Calcium	N155 A	41	0	mg/l	155	± 3	139	167	6.4	4.1
	N155 B	41	0	mg/l	58.7	± 1.02	53.5	62.7	2.18	3.7
Chloride	N155 A	42	4	mg/l	85.1	± 0.93	80.8	89.4	2.01	2.4
	N155 B	45	1	mg/l	44.2	± 0.511	41.5	46.6	1.14	2.6
DOC (as C)	N155 A DOC	36	5	mg/l	2.07	± 0.0882	1.65	2.46	0.176	8.5
	N155 B DOC	37	4	mg/l	4.27	± 0.146	3.84	4.98	0.295	6.9
El. conductivity (25°C)	N155 A	50	4	µS/cm	1080	± 6.01	1040	1120	14.2	1.3
	N155 B	48	6	µS/cm	517	± 2.34	501	529	5.41	1
Hydrogen carbonate	N155 A	34	5	mg/l	442	± 2.19	433	451	4.25	0.96
	N155 B	36	3	mg/l	189	± 2	180	200	3.99	2.1
Magnesium	N155 A	39	2	mg/l	36.2	± 0.688	33	39.1	1.43	4
	N155 B	39	2	mg/l	12.5	± 0.277	11.3	14.3	0.577	4.6
Nitrate (as NO ₃)	N155 A	45	3	mg/l	10.7	± 0.19	9.6	11.5	0.424	3.9
	N155 B	44	4	mg/l	20.1	± 0.234	18.9	21.1	0.518	2.6
Nitrite (as NO ₂)	N155 A	38	5	mg/l	0.102	± 0.00287	0.087	0.116	0.0059	5.8
	N155 B	42	2	mg/l	0.239	± 0.00634	0.2	0.27	0.0137	5.7
Orthophosphate (as PO ₄)	N155 A	34	2	mg/l	0.0589	± 0.00347	0.0465	0.0705	0.00675	11
	N155 B	35	4	mg/l	0.235	± 0.00533	0.217	0.258	0.0105	4.5
pH-value	N155 A	51	5	-	7.74	± 0.0373	7.58	7.95	0.0888	1.1
	N155 B	49	7	-	7.92	± 0.0313	7.75	8.08	0.0731	0.92
Potassium	N155 A	38	1	mg/l	2.4	± 0.0713	2.04	2.67	0.146	6.1

Parameter	Sample	Number of results for calculation	Number of outliers	Unit	Mean	± CI (99%)	Minimum	Maximum	sR	vR [%]
Potassium	N155 B	37	2	mg/l	2.95	± 0.0618	2.67	3.18	0.125	4.3
Sodium	N155 A	40	0	mg/l	21.5	± 0.357	19.4	23.1	0.753	3.5
	N155 B	38	2	mg/l	25.5	± 0.367	23.8	27.2	0.754	3
Sulfate (as SO ₄)	N155 A	43	1	mg/l	94.2	± 1.53	84.4	101	3.35	3.6
	N155 B	42	2	mg/l	24.7	± 0.465	22.7	27.3	1.01	4.1
Total-P (as PO ₄)	N155 A	32	8	mg/l	1.16	± 0.0319	1.03	1.28	0.0601	5.2
	N155 B	31	10	mg/l	1.1	± 0.0226	1.01	1.19	0.0419	3.8
Total hardness	N155 A	30	6	mmol/l	5.41	± 0.0589	5.17	5.67	0.107	2
	N155 B	30	6	mmol/l	2	± 0.0189	1.92	2.1	0.0346	1.7
Total nitrogen	N155 A	26	4	mg/l	2.58	± 0.0917	2.34	2.9	0.156	6
	N155 B	27	3	mg/l	5.05	± 0.122	4.65	5.44	0.211	4.2

E7. Parameterorientierte Auswertung / Parameter oriented report

Alkalinity Ks 4,3	35
Ammonium (as NH ₄)	45
Boron	55
Calcium.....	65
Chloride	75
DOC (as C).....	85
El. conductivity (25°C)	95
Hydrogen carbonate	105
Magnesium	115
Nitrate (as NO ₃)	125
Nitrite (as NO ₂).....	135
Orthophosphate (as PO ₄).....	145
pH-value	155
Potassium.....	165
Sodium	175
Sulfate (as SO ₄).....	285
Total-P (as PO ₄).....	295
Total hardness.....	205
Total nitrogen.....	215

Parameter oriented report

N155 A

Alkalinity Ks 4,3

Unit	mmol/l
Assigned value ± U (k=2)	7.28 ± 0.029
Criterion	0.146 (2 %)
Minimum - Maximum	7.1 - 7.5
Control test value ± U (k=2)	7.13 ± 0.143

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	7.2	0.36	98.9	-0.57	
LC0004	7.27	0.3	99.8	-0.09	
LC0005	7.2	0.104	98.9	-0.57	
LC0006	7.28	0.027	100	-0.02	
LC0007	7.3	0.35	100	0.12	
LC0008	-	-	-	-	
LC0009	-	-	-	-	
LC0010	7.34	0.04	101	0.39	
LC0011	7.23	0.29	99.3	-0.36	
LC0012	7.128	0.22	97.9	-1.07	
LC0013	7.35	0.06	101	0.46	
LC0014	-	-	-	-	
LC0015	7.16	0.4	98.3	-0.85	
LC0016	7.14	0.357	98	-0.98	
LC0017	-	-	-	-	
LC0018	7.21	0.22	99	-0.5	
LC0019	-	-	-	-	
LC0020	-	-	-	-	
LC0021	-	-	-	-	
LC0022	7.38	0.37	101	0.67	
LC0023	7.29	0.5	100	0.05	
LC0024	7.01	0.5	96.2	-1.88	H
LC0025	7.32	0.3	101	0.25	
LC0026	7.28	0.36	100	-0.02	
LC0027	7.35	0.81	101	0.46	
LC0028	7.39	0.74	101	0.73	
LC0029	7.35	0.18	101	0.46	
LC0030	7.28	0.29	100	-0.02	
LC0031	7.33	0.66	101	0.32	
LC0032	7.1	0.1	97.5	-1.26	
LC0033	-	-	-	-	
LC0034	7.23	1	99.3	-0.36	
LC0035	7.28	0.2	100	-0.02	
LC0036	7.38	0.36	101	0.67	
LC0037	7.3	0.05	100	0.12	
LC0038	-	-	-	-	
LC0039	7.3	0.73	100	0.12	
LC0040	7.313	0.731	100	0.2	
LC0041	-	-	-	-	

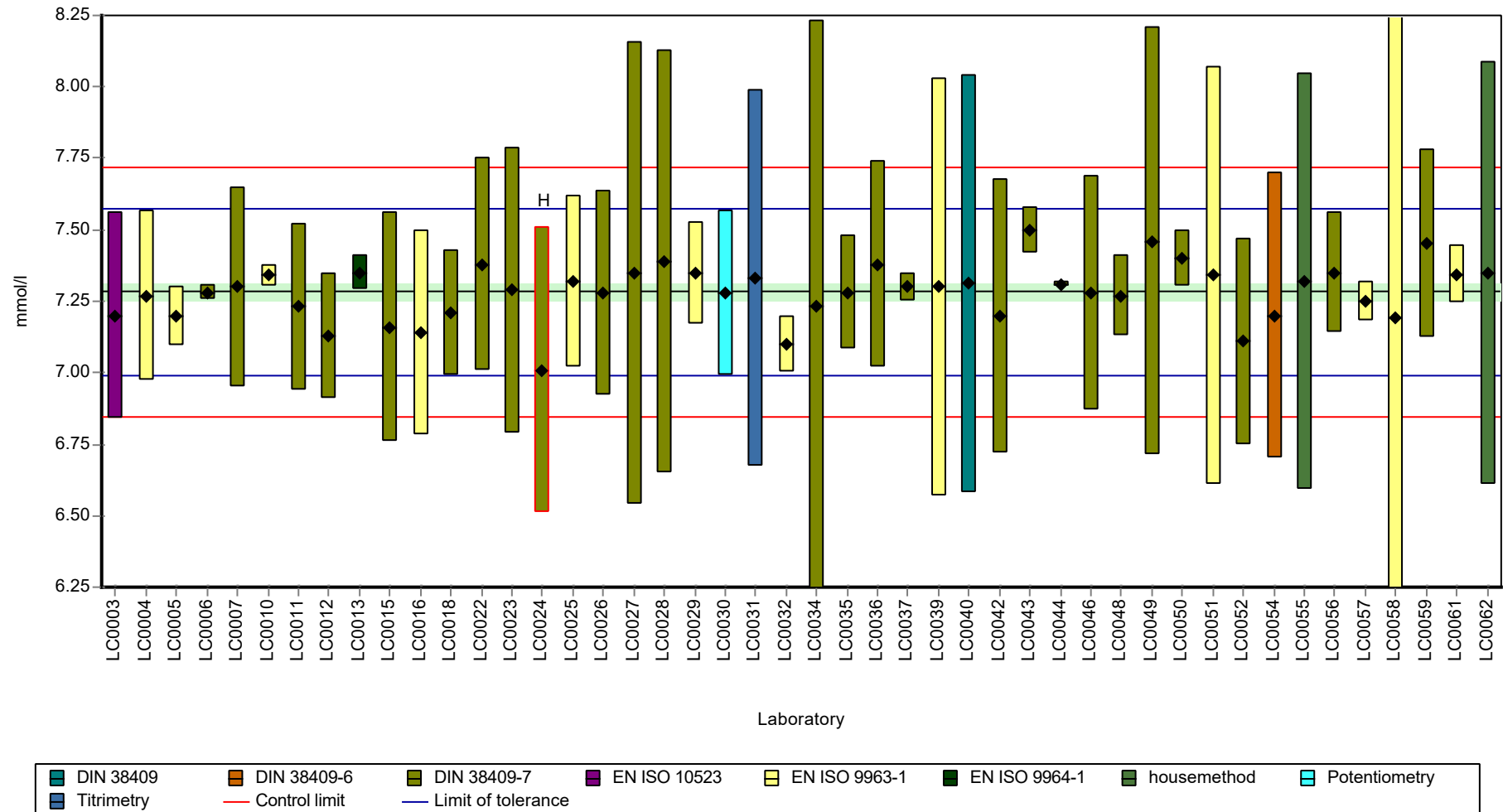
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	7.2	0.48	98.9	-0.57	
LC0043	7.5	0.08	103	1.49	
LC0044	7.31	0.01	100	0.18	
LC0045	-	-	-	-	
LC0046	7.28	0.41	100	-0.02	
LC0047	-	-	-	-	
LC0048	7.27	0.14	99.8	-0.09	
LC0049	7.46	0.75	102	1.21	
LC0050	7.4	0.1	102	0.8	
LC0051	7.34	0.73	101	0.39	
LC0052	7.11	0.36	97.6	-1.19	
LC0053	-	-	-	-	
LC0054	7.2	0.5	98.9	-0.57	
LC0055	7.32	0.73	101	0.25	
LC0056	7.35	0.21	101	0.46	
LC0057	7.25	0.07	99.5	-0.23	
LC0058	7.19	1.079	98.7	-0.64	
LC0059	7.45	0.33	102	1.15	
LC0060	-	-	-	-	
LC0061	7.345	0.1	101	0.42	
LC0062	7.35	0.74	101	0.46	

Characteristics of parameter

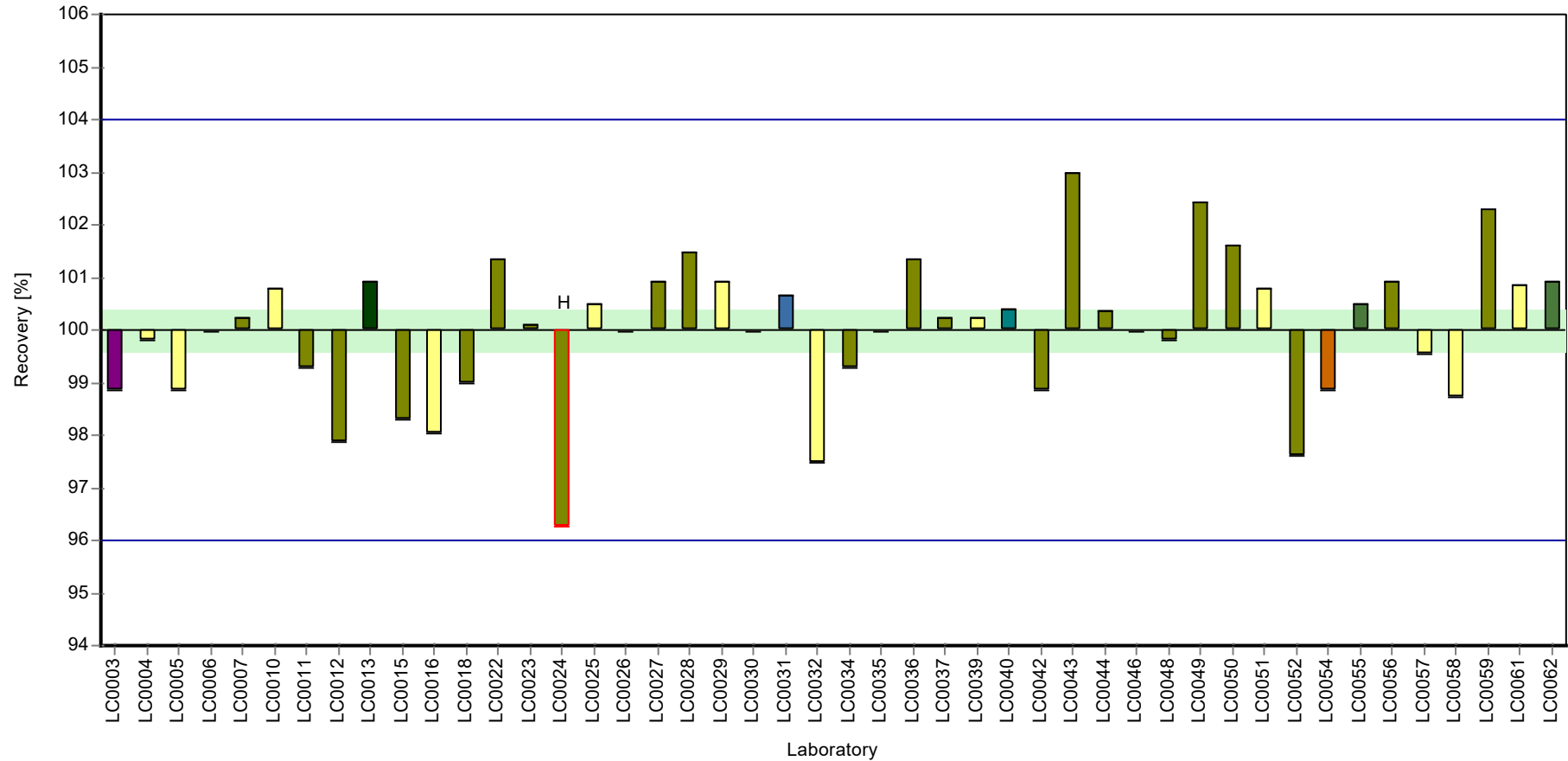
	all results	without outliers	Unit
Mean ± CI (99%)	7.28 ± 0.0436	7.29 ± 0.0405	mmol/l
Minimum	7.01	7.1	mmol/l
Maximum	7.5	7.5	mmol/l
Standard deviation	0.0985	0.0905	mmol/l
rel. standard deviation	1.35	1.24	%
n	46	45	-

Graphical presentation of results

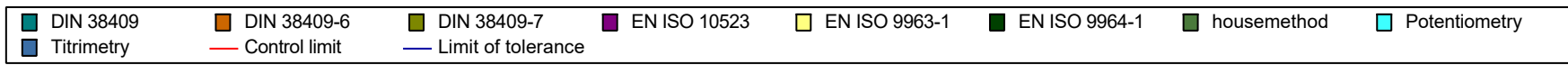
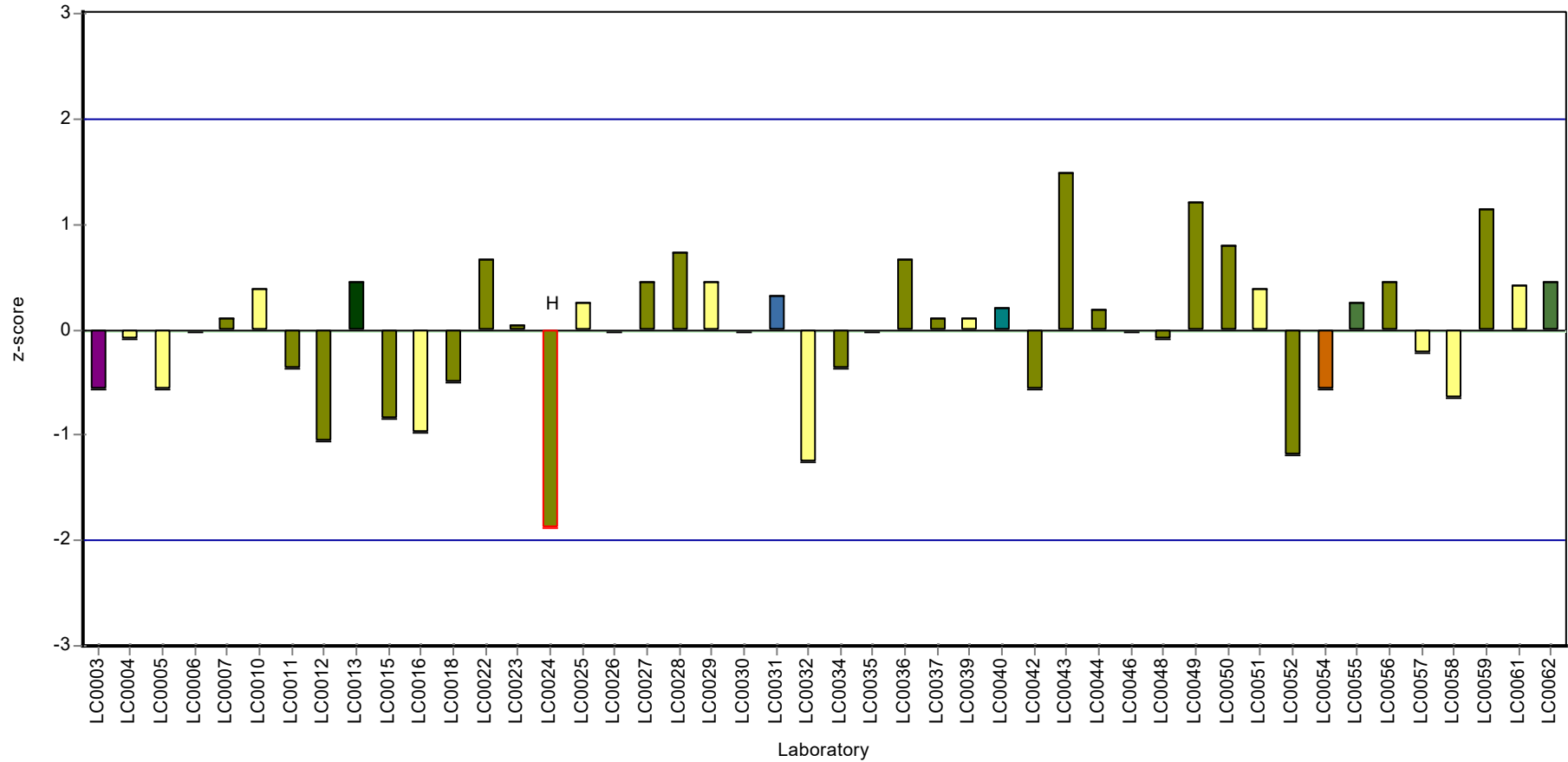
Results



Recovery rate



Z-score



Parameter oriented report

N155 B

Alkalinity Ks 4,3

Unit	mmol/l
Assigned value ± U (k=2)	3.11 ± 0.0171
Criterion	0.0622 (2 %)
Minimum - Maximum	3 - 3.23
Control test value ± U (k=2)	2.97 ± 0.0594

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	3	0.15	96.5	-1.76	
LC0004	3.1	0.13	99.7	-0.15	
LC0005	3.06	0.044	98.4	-0.79	
LC0006	3.13	0.027	101	0.33	
LC0007	3.13	0.15	101	0.33	
LC0008	-	-	-	-	
LC0009	-	-	-	-	
LC0010	3.16	0.04	102	0.81	
LC0011	3.12	0.13	100	0.17	
LC0012	3.011	0.093	96.8	-1.58	
LC0013	3.1	0.09	99.7	-0.15	
LC0014	-	-	-	-	
LC0015	3.035	0.2	97.6	-1.2	
LC0016	3.06	0.153	98.4	-0.79	
LC0017	-	-	-	-	
LC0018	3.17	0.095	102	0.97	
LC0019	-	-	-	-	
LC0020	-	-	-	-	
LC0021	-	-	-	-	
LC0022	3.2	0.16	103	1.46	
LC0023	3.13	0.2	101	0.33	
LC0024	2.925	0.26	94.1	-2.96	H
LC0025	3.13	0.2	101	0.33	
LC0026	3.11	0.16	100	0.01	
LC0027	3.1	0.34	99.7	-0.15	
LC0028	3.16	0.32	102	0.81	
LC0029	3.13	0.08	101	0.33	
LC0030	3.11	0.12	100	0.01	
LC0031	3.13	0.28	101	0.33	
LC0032	2.95	0.1	94.9	-2.56	H
LC0033	-	-	-	-	
LC0034	3.14	1	101	0.49	
LC0035	3.09	0.11	99.4	-0.31	
LC0036	3.1	0.15	99.7	-0.15	
LC0037	3.14	0.02	101	0.49	
LC0038	-	-	-	-	
LC0039	3.11	0.31	100	0.01	
LC0040	3.093	0.3093	99.5	-0.26	
LC0041	-	-	-	-	

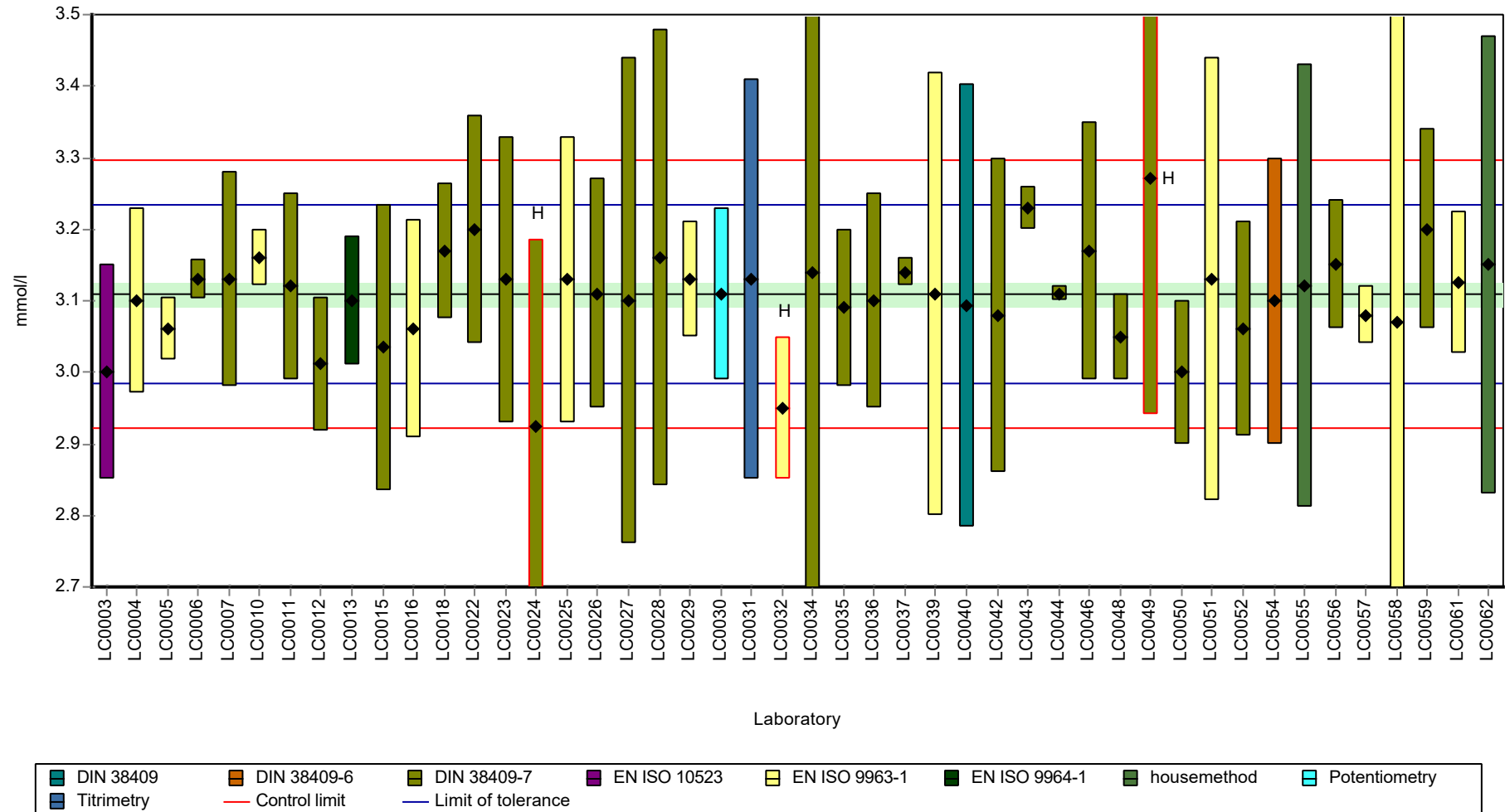
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	3.08	0.22	99.1	-0.47	
LC0043	3.23	0.03	104	1.94	
LC0044	3.11	0.01	100	0.01	
LC0045	-	-	-	-	
LC0046	3.17	0.18	102	0.97	
LC0047	-	-	-	-	
LC0048	3.05	0.06	98.1	-0.95	
LC0049	3.27	0.33	105	2.58	H
LC0050	3	0.1	96.5	-1.76	
LC0051	3.13	0.31	101	0.33	
LC0052	3.06	0.15	98.4	-0.79	
LC0053	-	-	-	-	
LC0054	3.1	0.2	99.7	-0.15	
LC0055	3.12	0.31	100	0.17	
LC0056	3.15	0.09	101	0.65	
LC0057	3.08	0.04	99.1	-0.47	
LC0058	3.07	0.461	98.7	-0.63	
LC0059	3.2	0.14	103	1.46	
LC0060	-	-	-	-	
LC0061	3.125	0.1	101	0.25	
LC0062	3.15	0.32	101	0.65	

Characteristics of parameter

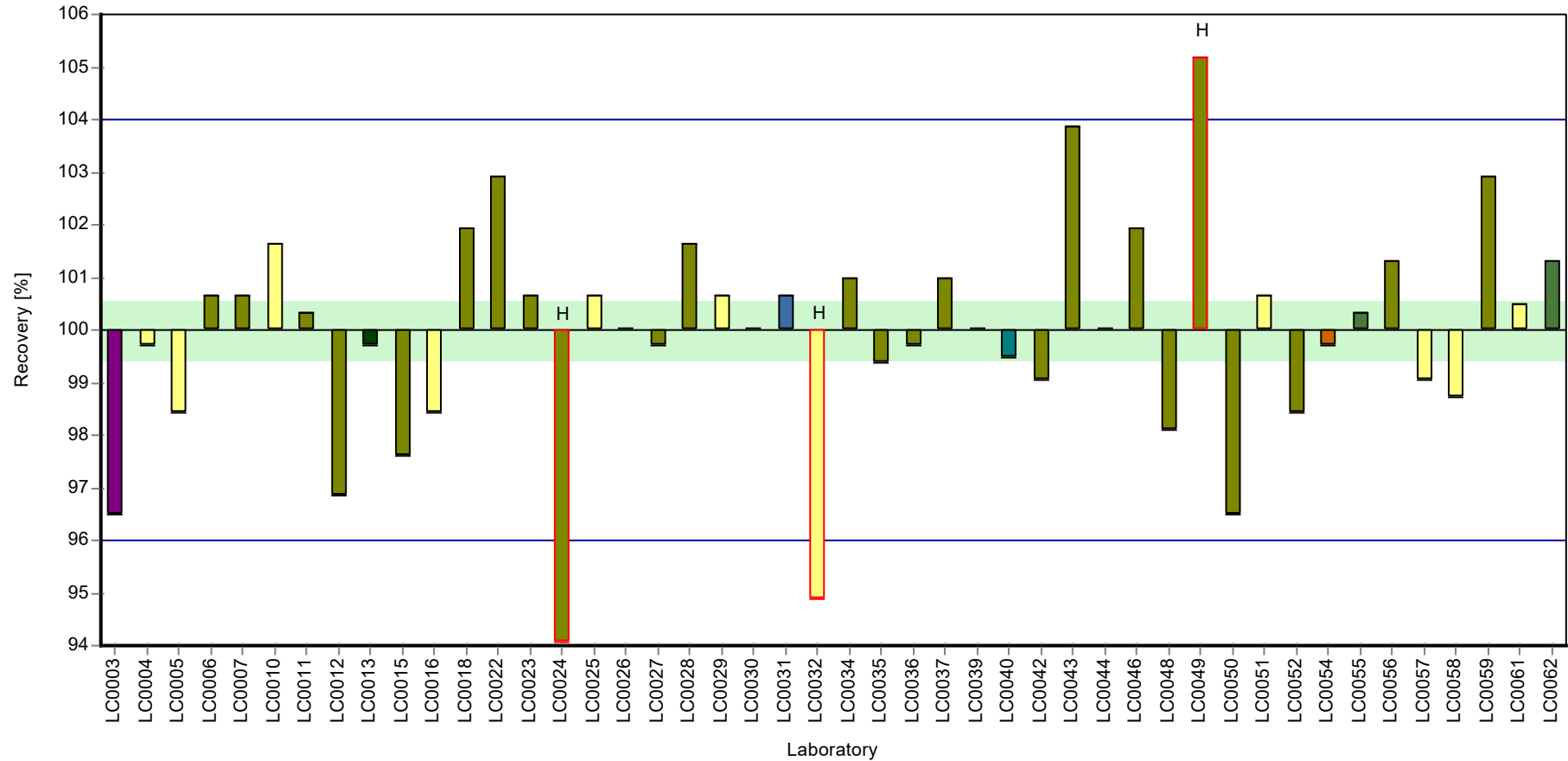
	all results	without outliers	Unit
Mean ± CI (99%)	3.11 ± 0.0288	3.11 ± 0.023	mmol/l
Minimum	2.93	3	mmol/l
Maximum	3.27	3.23	mmol/l
Standard deviation	0.0652	0.0503	mmol/l
rel. standard deviation	2.1	1.62	%
n	46	43	-

Graphical presentation of results

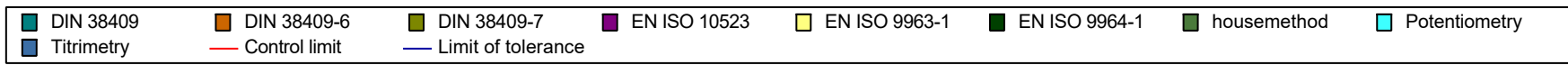
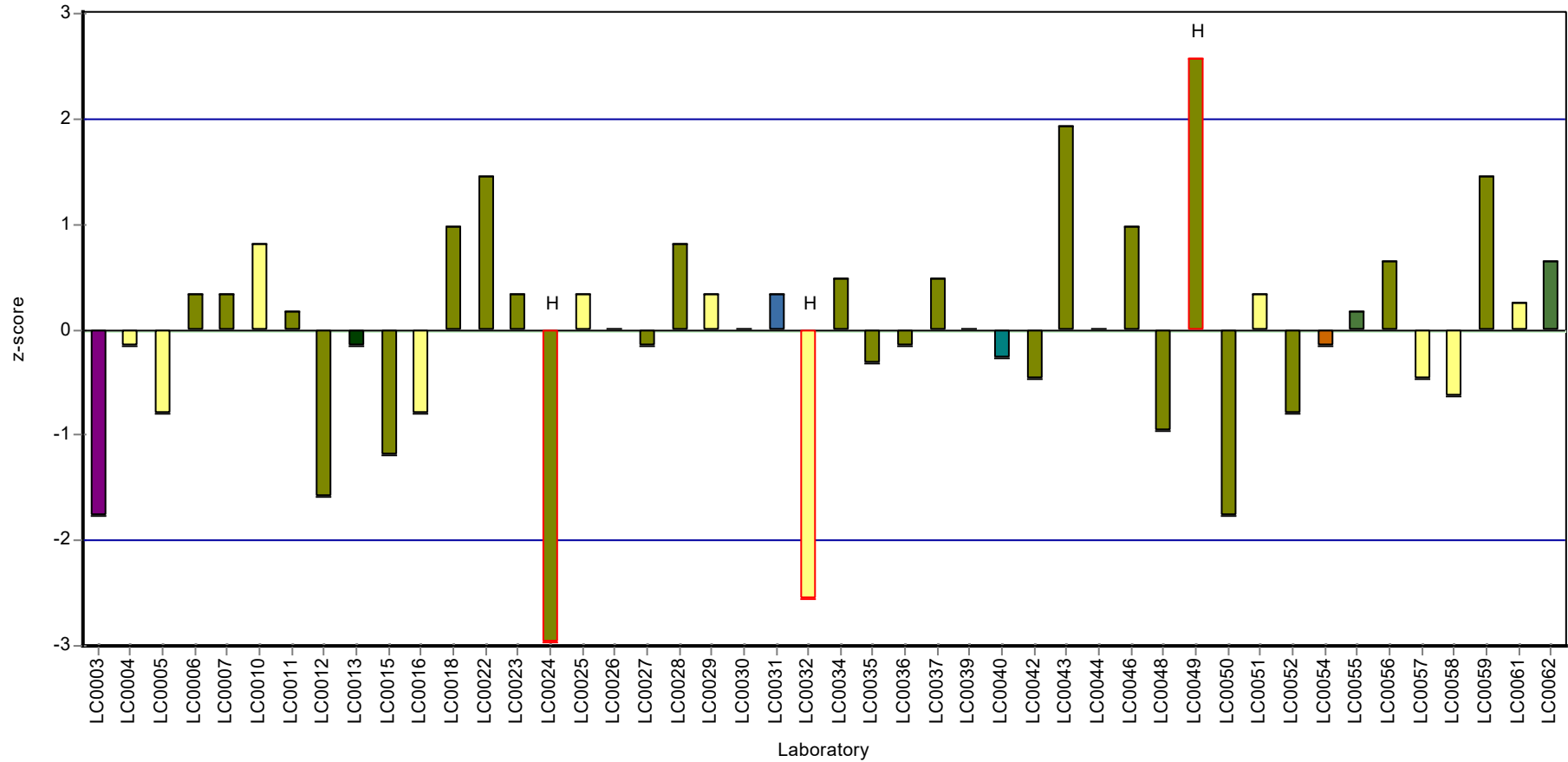
Results



Recovery rate



Z-score



Parameter oriented report

N155 A

Ammonium (as NH₄)

Unit	mg/l
Assigned value ± U (k=2)	0.0854 ± 0.00275
Criterion	0.0102 (12 %)
Minimum - Maximum	0.068 - 0.1
Control test value ± U (k=2)	<0.01 (NG)

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	< 0.09 (LOQ)	-	-	-	
LC0002	-	-	-	-	
LC0003	-	-	-	-	
LC0004	0.074	0.02	86.7	-1.11	
LC0005	0.0805	0.0017	94.3	-0.47	
LC0006	-	-	-	-	
LC0007	0.0811	0.0057	95	-0.41	
LC0008	0.092	0.021	108	0.65	
LC0009	-	-	-	-	
LC0010	0.09	0.003	105	0.45	
LC0011	0.086	0.012	101	0.06	
LC0012	0.086	0.011	101	0.06	
LC0013	0.072	0.002	84.4	-1.3	
LC0014	-	-	-	-	
LC0015	0.085	0.02	99.6	-0.03	
LC0016	0.0698	0.007	81.8	-1.52	
LC0017	-	-	-	-	
LC0018	0.079	0.0024	92.6	-0.62	
LC0019	0.09	0.004	105	0.45	
LC0020	0.06	0.045	70.3	-2.48	H
LC0021	-	-	-	-	
LC0022	0.09	0.01	105	0.45	
LC0023	0.1	0.01	117	1.43	
LC0024	0.09	0.009	105	0.45	
LC0025	0.084	0.012	98.4	-0.13	
LC0026	-	-	-	-	
LC0027	0.0987	0.0197	116	1.3	
LC0028	0.085	0.034	99.6	-0.03	
LC0029	0.087	0.009	102	0.16	
LC0030	0.091	0.004	107	0.55	
LC0031	0.071	0.014	83.2	-1.4	
LC0032	0.089	0.01	104	0.36	
LC0033	-	-	-	-	
LC0034	0.1	1	117	1.43	
LC0035	0.0956	0.0018	112	1	
LC0036	-	-	-	-	
LC0037	0.085	0.004	99.6	-0.03	
LC0038	-	-	-	-	
LC0039	0.0736	0.007	86.2	-1.15	
LC0040	0.086	0.027	101	0.06	
LC0041	0.086	0.001	101	0.06	

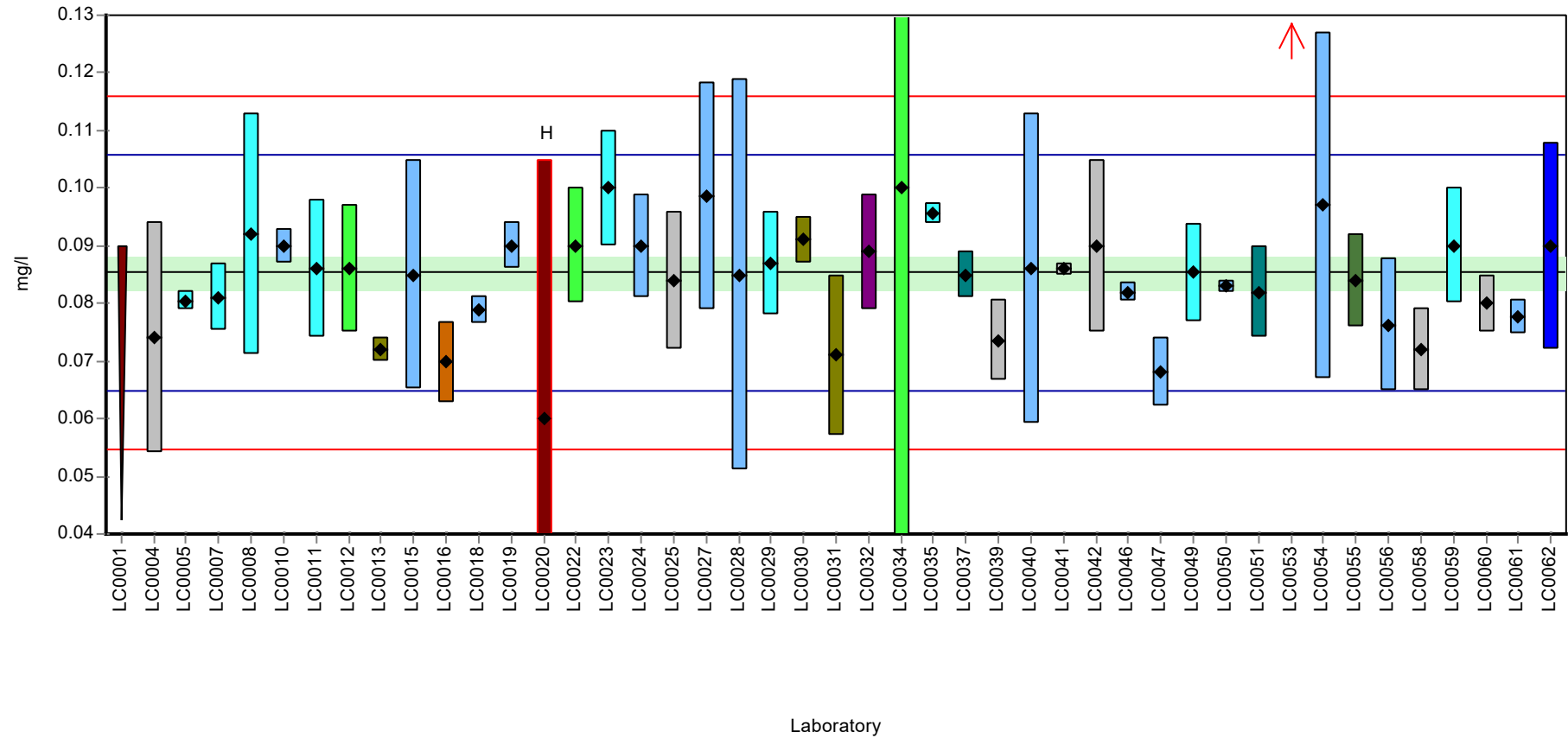
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	0.09	0.015	105	0.45	
LC0043	-	-	-	-	
LC0044	-	-	-	-	
LC0045	-	-	-	-	
LC0046	0.082	0.0017	96.1	-0.33	
LC0047	0.068	0.006	79.7	-1.69	
LC0048	-	-	-	-	
LC0049	0.0853	0.00853	99.9	0.00	
LC0050	0.083	0.001	97.2	-0.23	
LC0051	0.082	0.008	96.1	-0.33	
LC0052	-	-	-	-	
LC0053	0.132	0.0056	155	4.55	H
LC0054	0.097	0.03	114	1.14	
LC0055	0.084	0.008	98.4	-0.13	
LC0056	0.0762	0.0115	89.3	-0.89	
LC0057	-	-	-	-	
LC0058	0.072	0.0072	84.4	-1.3	
LC0059	0.09	0.01	105	0.45	
LC0060	0.08	0.005	93.7	-0.52	
LC0061	0.0776	0.003	90.9	-0.76	
LC0062	0.09	0.018	105	0.45	

Characteristics of parameter

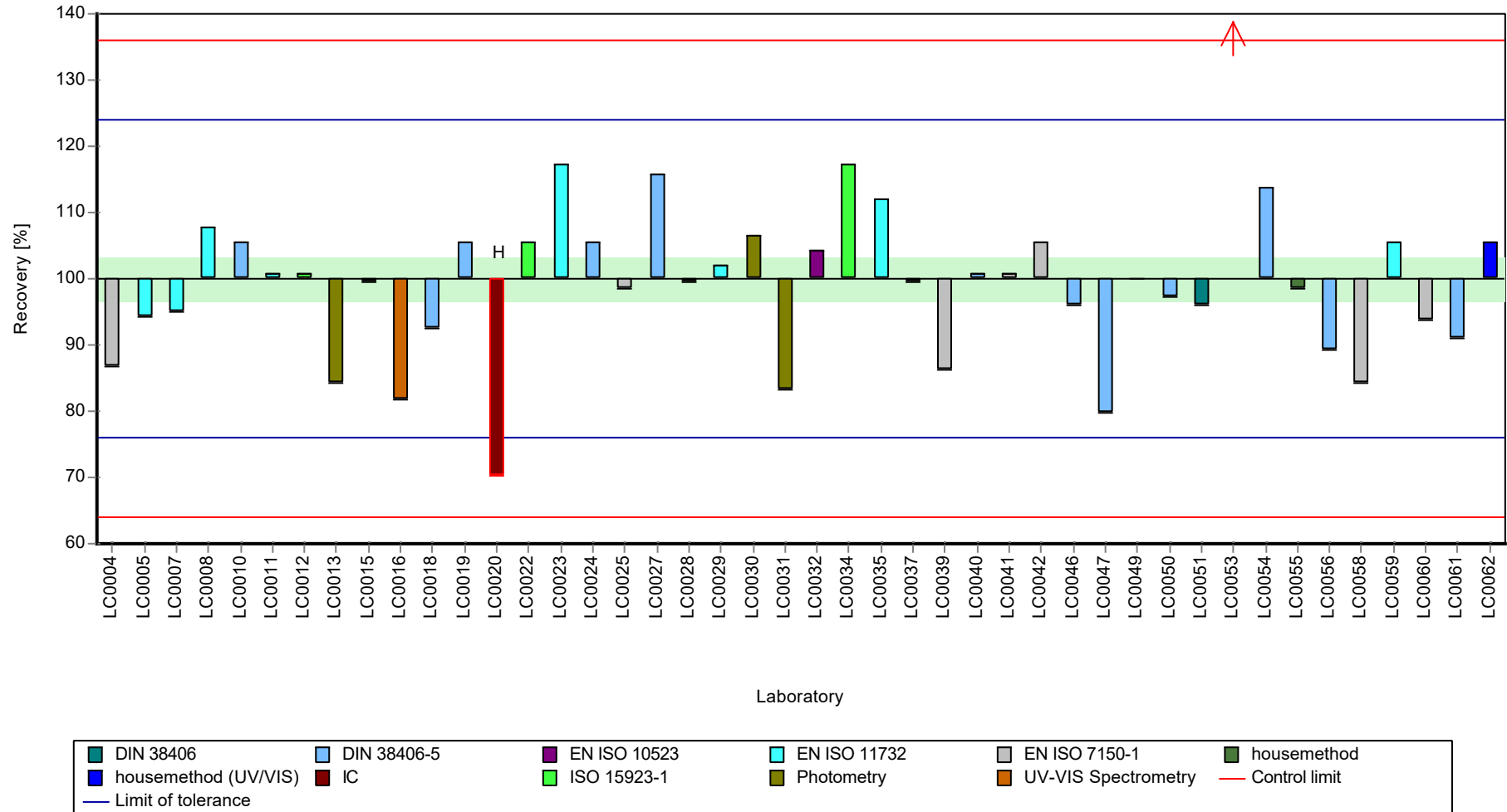
	all results	without outliers	Unit
Mean ± CI (99%)	0.0851 ± 0.00515	0.0846 ± 0.00378	mg/l
Minimum	0.06	0.068	mg/l
Maximum	0.132	0.1	mg/l
Standard deviation	0.0114	0.00816	mg/l
rel. standard deviation	13.4	9.64	%
n	44	42	-

Graphical presentation of results

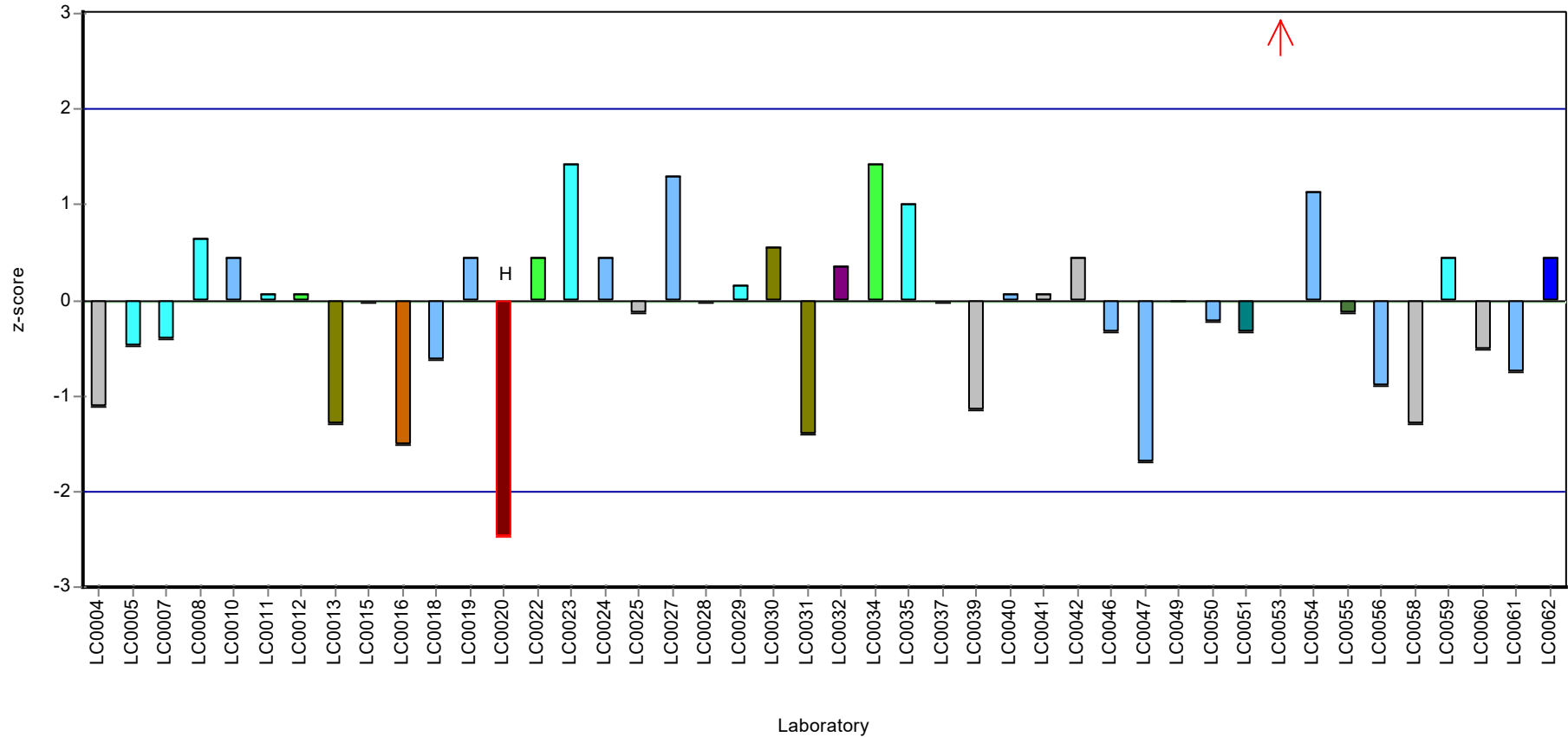
Results



Recovery rate



Z-score



Parameter oriented report

N155 B

Ammonium (as NH₄)

Unit	mg/l
Assigned value ± U (k=2)	0.359 ± 0.00779
Criterion	0.0431 (12 %)
Minimum - Maximum	0.3 - 0.415
Control test value ± U (k=2)	0.518 ± 0.0363

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.357	0.002	99.4	-0.05	
LC0002	-	-	-	-	
LC0003	-	-	-	-	
LC0004	0.355	0.02	98.8	-0.1	
LC0005	0.346	0.0025	96.3	-0.31	
LC0006	-	-	-	-	
LC0007	0.375	0.026	104	0.37	
LC0008	0.378	0.087	105	0.44	
LC0009	-	-	-	-	
LC0010	0.364	0.003	101	0.11	
LC0011	0.353	0.052	98.3	-0.14	
LC0012	0.357	0.046	99.4	-0.05	
LC0013	0.34	0.03	94.7	-0.45	
LC0014	-	-	-	-	
LC0015	0.35	0.07	97.4	-0.21	
LC0016	0.329	0.033	91.6	-0.7	
LC0017	-	-	-	-	
LC0018	0.331	0.099	92.2	-0.65	
LC0019	0.37	0.018	103	0.25	
LC0020	0.248	0.016	69	-2.58	H
LC0021	-	-	-	-	
LC0022	0.36	0.04	100	0.02	
LC0023	0.3	0.03	83.5	-1.37	
LC0024	0.415	0.06	116	1.3	
LC0025	0.341	0.05	94.9	-0.42	
LC0026	-	-	-	-	
LC0027	0.385	0.077	107	0.6	
LC0028	0.36	0.14	100	0.02	
LC0029	0.36	0.04	100	0.02	
LC0030	0.378	0.034	105	0.44	
LC0031	0.368	0.074	102	0.2	
LC0032	0.356	0.02	99.1	-0.07	
LC0033	-	-	-	-	
LC0034	0.38	1	106	0.48	
LC0035	0.3827	0.0089	107	0.55	
LC0036	-	-	-	-	
LC0037	0.35	0.017	97.4	-0.21	
LC0038	-	-	-	-	
LC0039	0.3084	0.0308	85.9	-1.18	
LC0040	0.356	0.0569	99.1	-0.07	
LC0041	0.39	0.01	109	0.71	

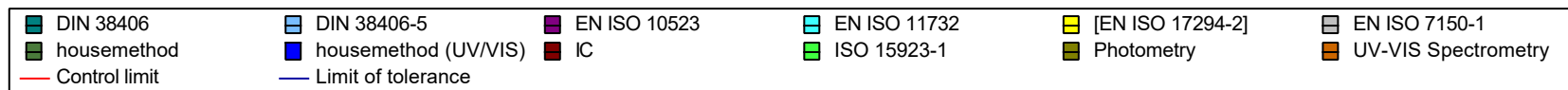
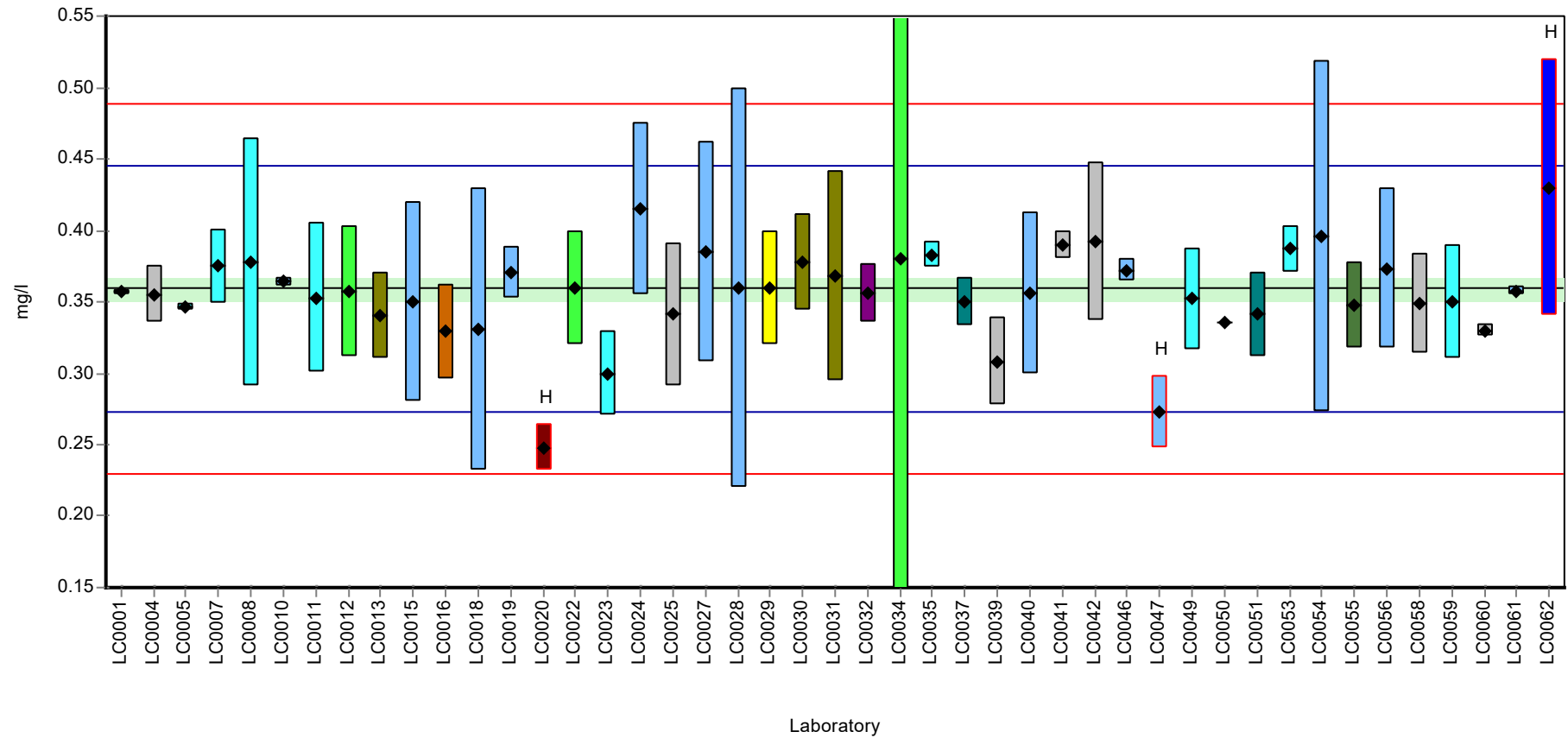
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	0.392	0.055	109	0.76	
LC0043	-	-	-	-	
LC0044	-	-	-	-	
LC0045	-	-	-	-	
LC0046	0.372	0.0078	104	0.3	
LC0047	0.273	0.025	76	-2	H
LC0048	-	-	-	-	
LC0049	0.352	0.0352	98	-0.17	
LC0050	0.335	0.001	93.3	-0.56	
LC0051	0.341	0.03	94.9	-0.42	
LC0052	-	-	-	-	
LC0053	0.387	0.0163	108	0.65	
LC0054	0.396	0.123	110	0.85	
LC0055	0.348	0.03	96.9	-0.26	
LC0056	0.373	0.056	104	0.32	
LC0057	-	-	-	-	
LC0058	0.349	0.0349	97.2	-0.24	
LC0059	0.35	0.04	97.4	-0.21	
LC0060	0.33	0.004	91.9	-0.68	
LC0061	0.3574	0.003	99.5	-0.04	
LC0062	0.43	0.09	120	1.64	H

Characteristics of parameter

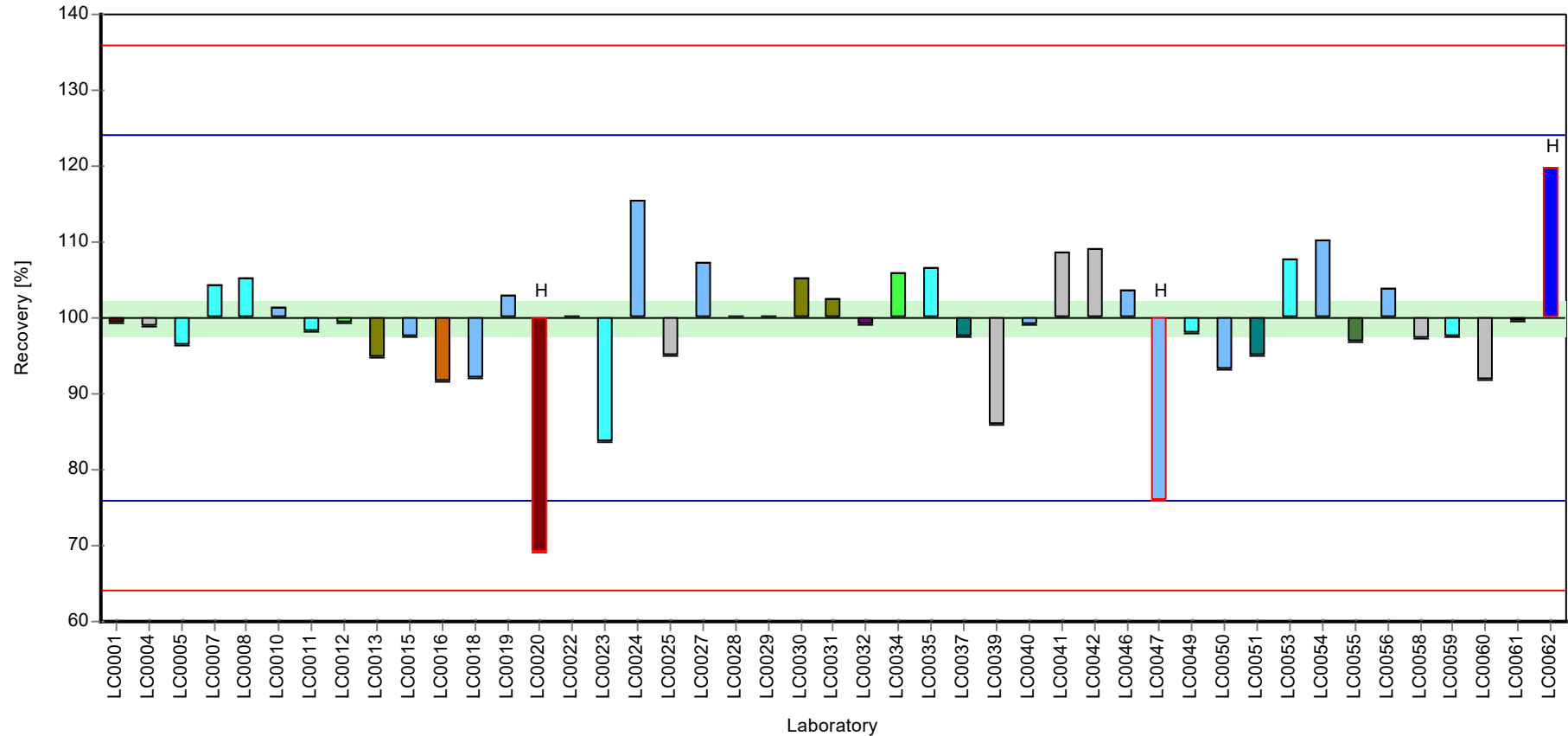
	all results	without outliers	Unit
Mean ± CI (99%)	0.356 ± 0.0144	0.359 ± 0.0106	mg/l
Minimum	0.248	0.3	mg/l
Maximum	0.43	0.415	mg/l
Standard deviation	0.0323	0.0229	mg/l
rel. standard deviation	9.07	6.38	%
n	45	42	-

Graphical presentation of results

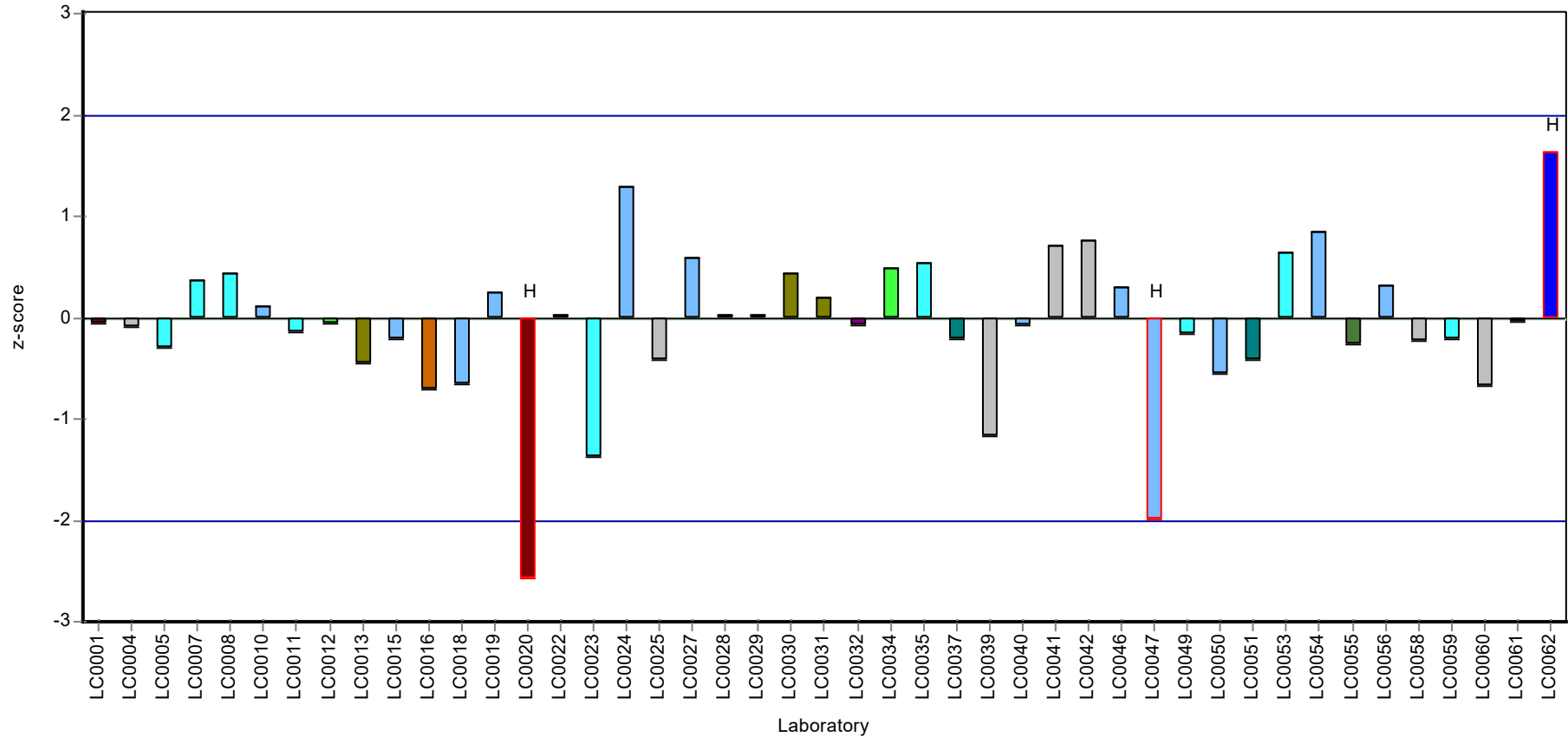
Results



Recovery rate



Z-score



Parameter oriented report

N155 A

Boron

Unit	mg/l
Assigned value ± U (k=2)	0.0534 ± 0.00214
Criterion	0.00588 (11 %)
Minimum - Maximum	0.042 - 0.06
Control test value ± U (k=2)	<0.05 (NG)

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	0.0538	0.002	101	0.06	
LC0006	-	-	-	-	
LC0007	0.0563	0.007	105	0.49	
LC0008	-	-	-	-	
LC0009	-	-	-	-	
LC0010	-	-	-	-	
LC0011	0.056	0.006	105	0.43	
LC0012	0.0421	0.0045	78.8	-1.93	
LC0013	-	-	-	-	
LC0014	-	-	-	-	
LC0015	0.042	0.008	78.6	-1.95	
LC0016	0.0491	0.0123	91.9	-0.74	
LC0017	-	-	-	-	
LC0018	0.049	0.0015	91.7	-0.76	
LC0019	-	-	-	-	
LC0020	-	-	-	-	
LC0021	-	-	-	-	
LC0022	0.055	0.003	103	0.27	
LC0023	-	-	-	-	
LC0024	-	-	-	-	
LC0025	-	-	-	-	
LC0026	-	-	-	-	
LC0027	0.0595	0.0071	111	1.03	
LC0028	0.054	0.014	101	0.09	
LC0029	0.052	0.005	97.3	-0.24	
LC0030	0.056	0.01	105	0.43	
LC0031	0.06	0.005	112	1.12	
LC0032	0.078	0.01	146	4.18	H
LC0033	-	-	-	-	
LC0034	-	-	-	-	
LC0035	0.059	0.0015	110	0.94	
LC0036	-	-	-	-	
LC0037	-	-	-	-	
LC0038	-	-	-	-	
LC0039	55.1	13.8	103000	9360	H
LC0040	0.0565	0.0051	106	0.52	
LC0041	0.05	0.005	93.6	-0.59	

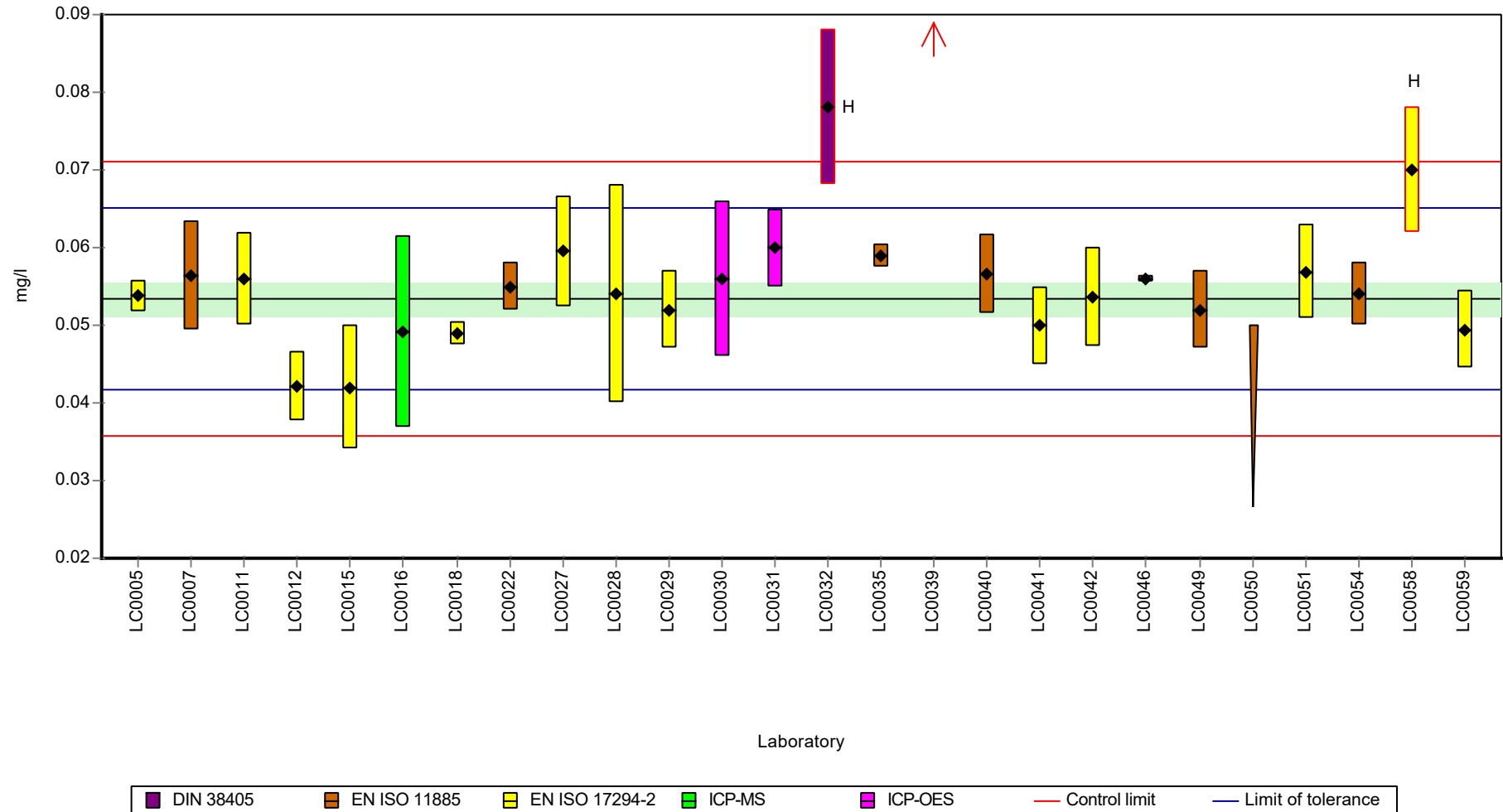
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	0.0537	0.0064	100	0.04	
LC0043	-	-	-	-	
LC0044	-	-	-	-	
LC0045	-	-	-	-	
LC0046	0.056	0.00045	105	0.43	
LC0047	-	-	-	-	
LC0048	-	-	-	-	
LC0049	0.052	0.005	97.3	-0.24	
LC0050	< 0.05 (LOQ)	-	-	-	
LC0051	0.0569	0.006	106	0.59	
LC0052	-	-	-	-	
LC0053	-	-	-	-	
LC0054	0.054	0.004	101	0.09	
LC0055	-	-	-	-	
LC0056	-	-	-	-	
LC0057	-	-	-	-	
LC0058	0.07	0.008	131	2.82	H
LC0059	0.0494	0.005	92.4	-0.69	
LC0060	-	-	-	-	
LC0061	-	-	-	-	
LC0062	-	-	-	-	

Characteristics of parameter

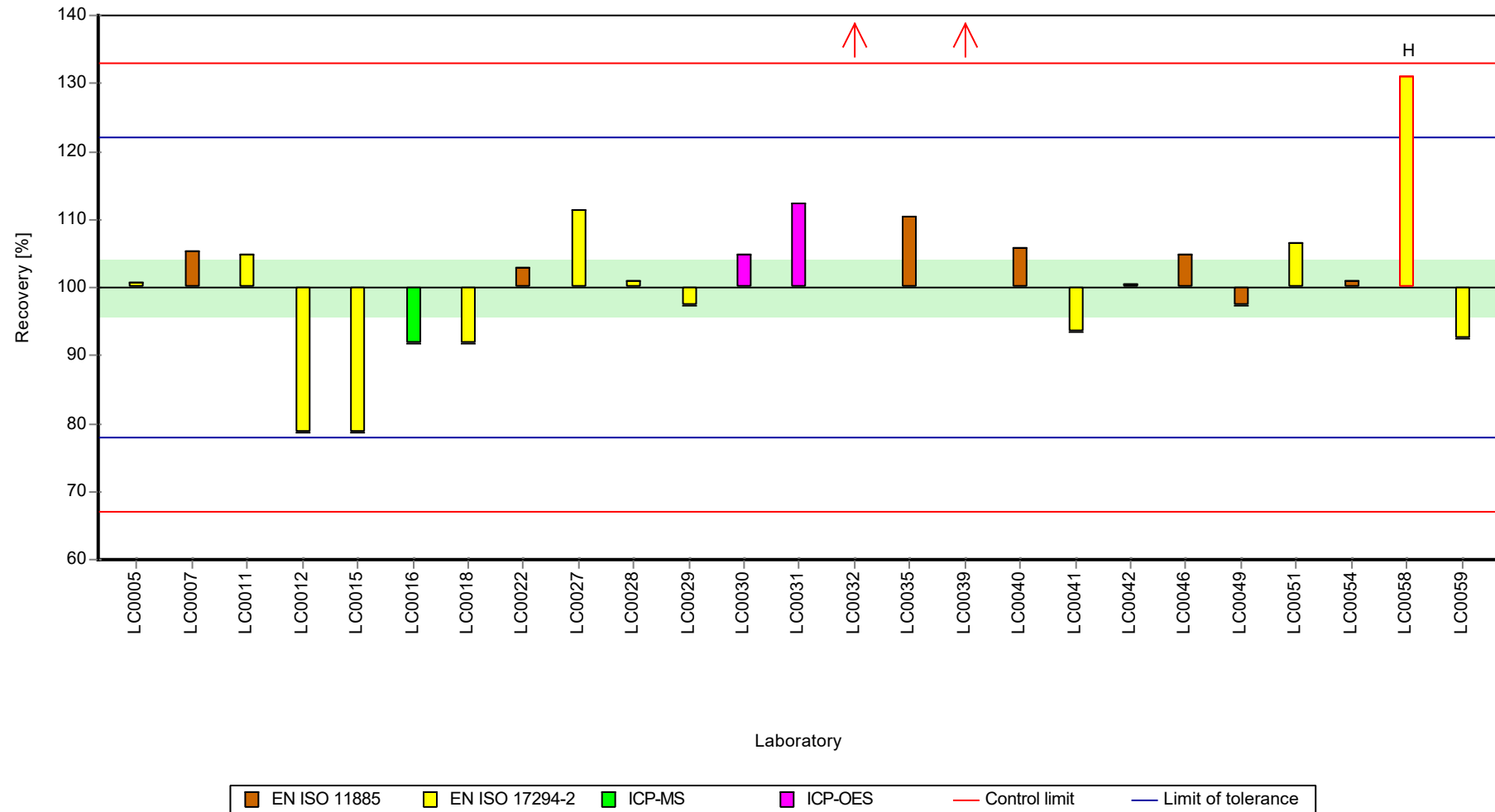
	all results	without outliers	Unit
Mean ± CI (99%)	2.26 ± 6.61	0.0533 ± 0.0031	mg/l
Minimum	0.042	0.042	mg/l
Maximum	55.1	0.06	mg/l
Standard deviation	11	0.00484	mg/l
rel. standard deviation	488	9.09	%
n	25	22	-

Graphical presentation of results

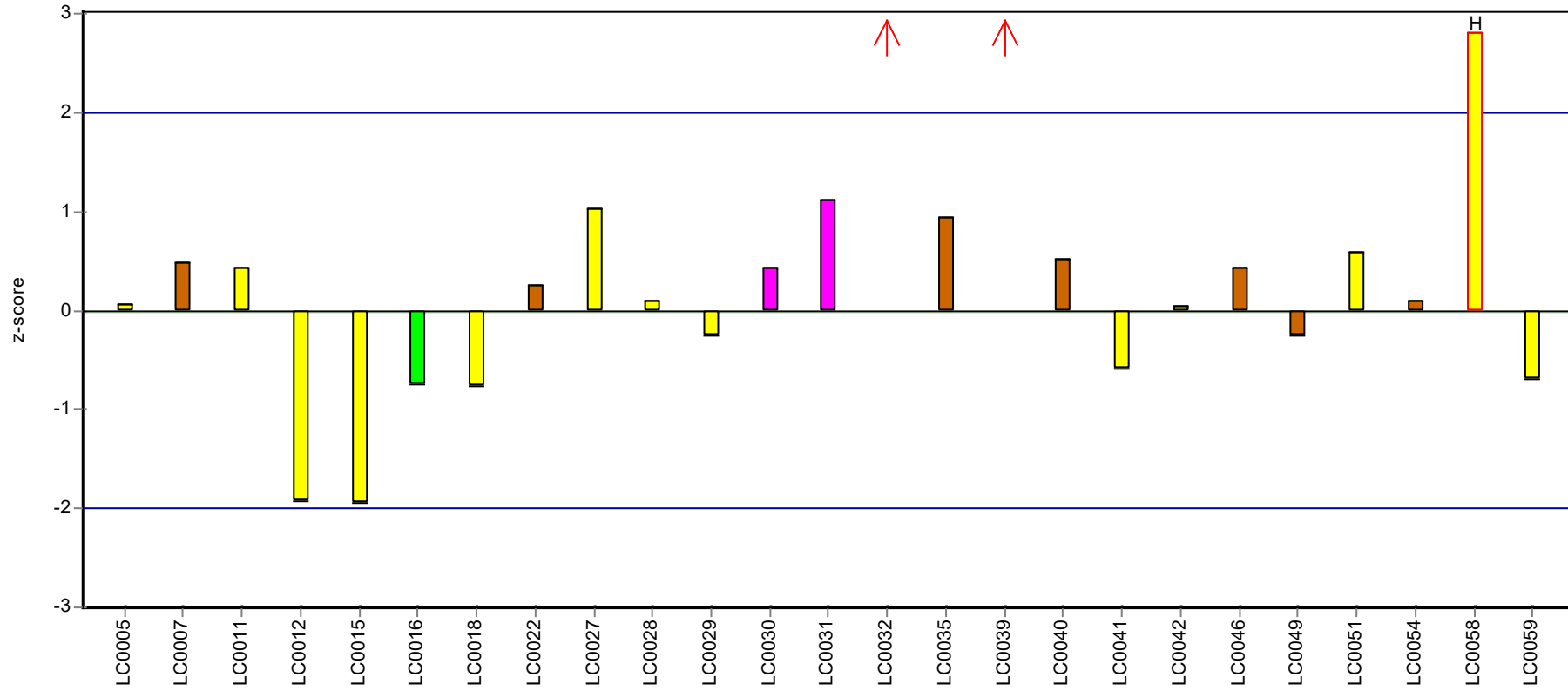
Results



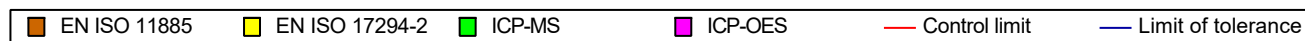
Recovery rate



Z-score



Laboratory



Parameter oriented report

N155 B

Boron

Unit	mg/l
Assigned value ± U (k=2)	0.0189 ± 0.000778
Criterion	0.00208 (11 %)
Minimum - Maximum	0.017 - 0.023
Control test value ± U (k=2)	<0.05 (NG)

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	0.0192	0.0007	101	0.12	
LC0006	-	-	-	-	
LC0007	0.0207	0.0026	109	0.84	
LC0008	-	-	-	-	
LC0009	-	-	-	-	
LC0010	-	-	-	-	
LC0011	0.019	0.002	100	0.03	
LC0012	0.0092	0.001	48.6	-4.68	H
LC0013	-	-	-	-	
LC0014	-	-	-	-	
LC0015	0.01	0.002	52.8	-4.29	H
LC0016	0.0193	0.0048	102	0.17	
LC0017	-	-	-	-	
LC0018	0.017	0.0005	89.7	-0.93	
LC0019	-	-	-	-	
LC0020	-	-	-	-	
LC0021	-	-	-	-	
LC0022	0.018	0.001	95	-0.45	
LC0023	-	-	-	-	
LC0024	-	-	-	-	
LC0025	-	-	-	-	
LC0026	-	-	-	-	
LC0027	0.0199	0.0024	105	0.46	
LC0028	0.019	0.005	100	0.03	
LC0029	< 0.02 (LOQ)	-	-	-	
LC0030	0.018	0.003	95	-0.45	
LC0031	<0.047 (LOD)	-	-	-	
LC0032	0.059	0.01	311	19.2	H
LC0033	-	-	-	-	
LC0034	-	-	-	-	
LC0035	< 0.02 (LOQ)	-	-	-	
LC0036	-	-	-	-	
LC0037	-	-	-	-	
LC0038	-	-	-	-	
LC0039	18.8	4.7	99200	9010	H
LC0040	0.0184	0.00167	97.1	-0.26	
LC0041	0.01	0.01	52.8	-4.29	H

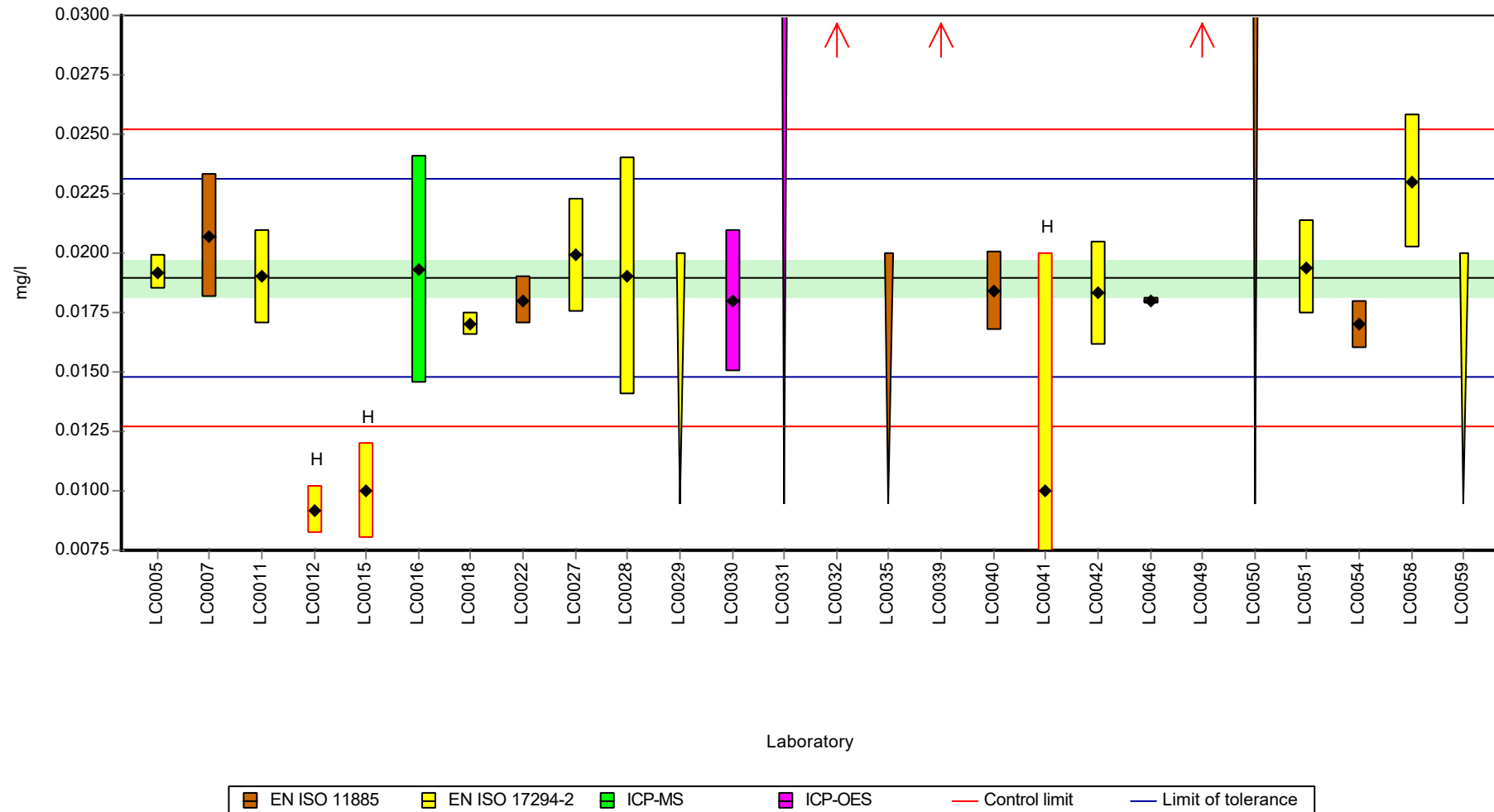
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	0.0183	0.0022	96.6	-0.31	
LC0043	-	-	-	-	
LC0044	-	-	-	-	
LC0045	-	-	-	-	
LC0046	0.018	0.00014	95	-0.45	
LC0047	-	-	-	-	
LC0048	-	-	-	-	
LC0049	0.0545	0.0054	288	17.1	H
LC0050	< 0.05 (LOQ)	-	-	-	
LC0051	0.0194	0.002	102	0.22	
LC0052	-	-	-	-	
LC0053	-	-	-	-	
LC0054	0.017	0.001	89.7	-0.93	
LC0055	-	-	-	-	
LC0056	-	-	-	-	
LC0057	-	-	-	-	
LC0058	0.023	0.0028	121	1.94	
LC0059	< 0.02 (LOQ)	-	-	-	
LC0060	-	-	-	-	
LC0061	-	-	-	-	
LC0062	-	-	-	-	

Characteristics of parameter

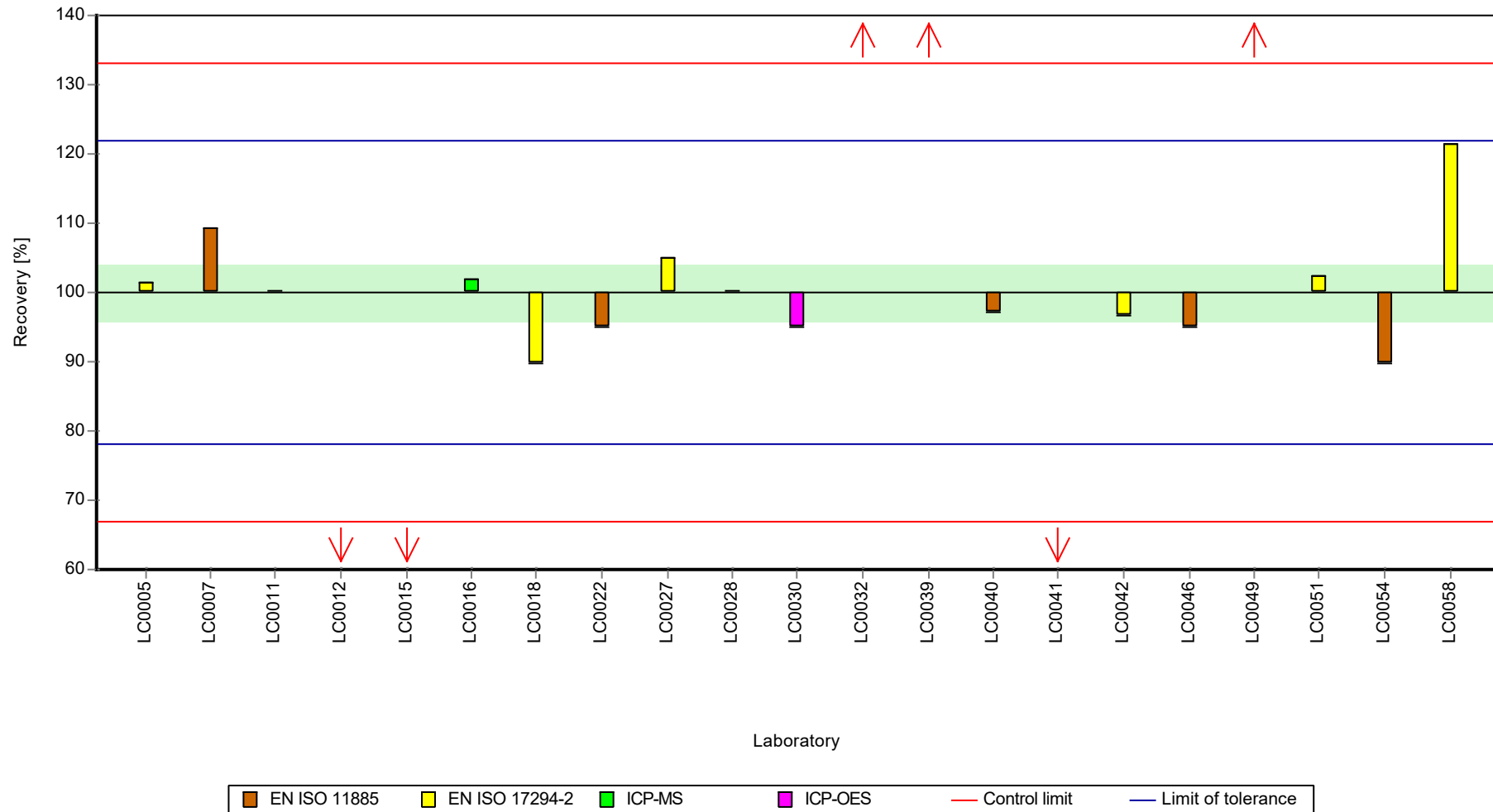
	all results	without outliers	Unit
Mean ± CI (99%)	0.916 ± 2.68	0.0189 ± 0.00117	mg/l
Minimum	0.0092	0.017	mg/l
Maximum	18.8	0.023	mg/l
Standard deviation	4.1	0.00151	mg/l
rel. standard deviation	448	7.95 %	
n	21	15	-

Graphical presentation of results

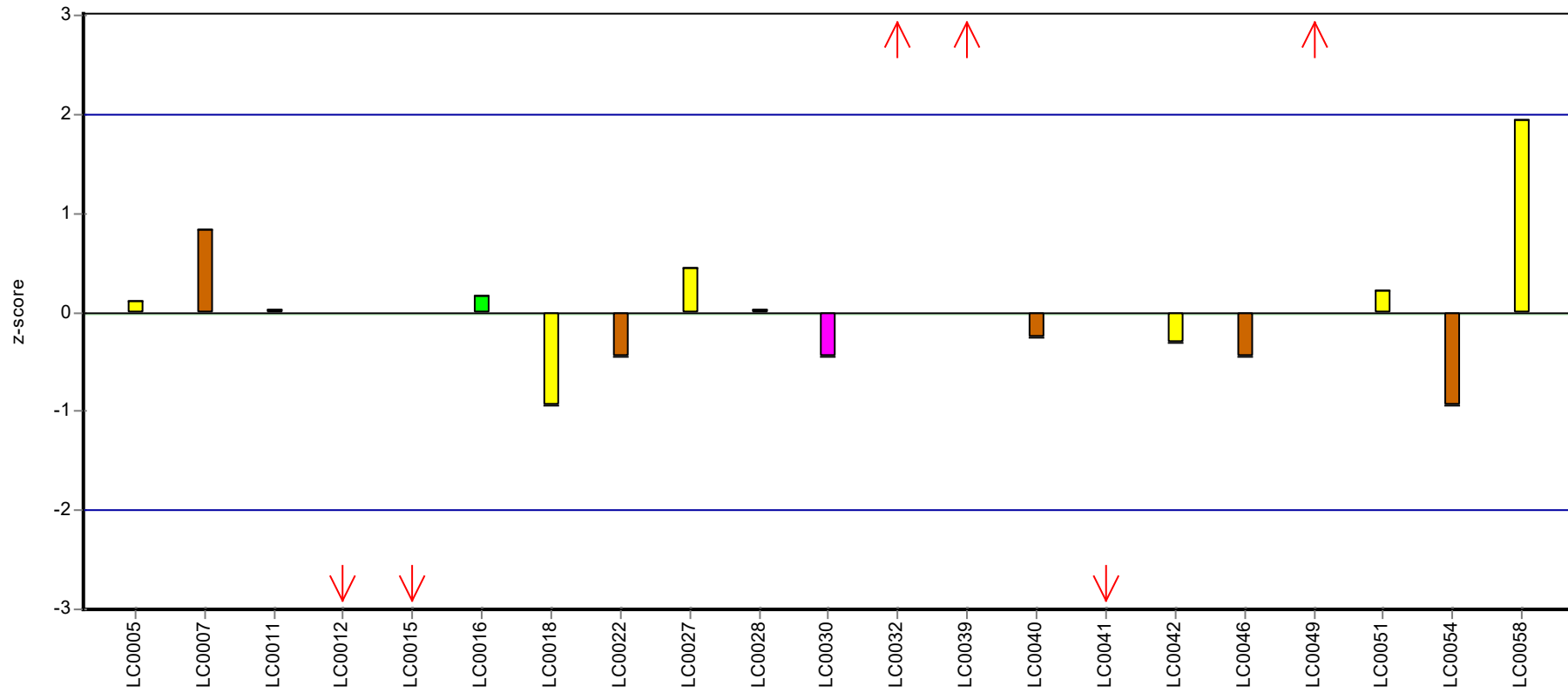
Results



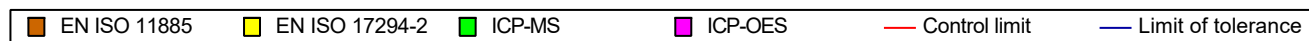
Recovery rate



Z-score



Laboratory



Parameter oriented report

N155 A

Calcium

Unit	mg/l
Assigned value ± U (k=2)	155 ± 2
Criterion	4.82 (3.1 %)
Minimum - Maximum	139 - 167
Control test value ± U (k=2)	161 ± 11.3

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	159	0.4	102	0.76	
LC0002	-	-	-	-	
LC0003	-	-	-	-	
LC0004	158	15	102	0.56	
LC0005	160	2.81	103	0.97	
LC0006	-	-	-	-	
LC0007	145	6.6	93.4	-2.15	
LC0008	-	-	-	-	
LC0009	-	-	-	-	
LC0010	156.7	8	101	0.28	
LC0011	157.5	15.7	101	0.45	
LC0012	160	14.3	103	0.97	
LC0013	153	4.98	98.5	-0.48	
LC0014	-	-	-	-	
LC0015	150	30	96.6	-1.11	
LC0016	142	19.88	91.4	-2.77	
LC0017	-	-	-	-	
LC0018	148	4.4	95.3	-1.52	
LC0019	-	-	-	-	
LC0020	138.77	0.81	89.3	-3.44	
LC0021	-	-	-	-	
LC0022	155	8	99.8	-0.07	
LC0023	166.607	25	107	2.34	
LC0024	164.6	9.5	106	1.93	
LC0025	158	13	102	0.56	
LC0026	-	-	-	-	
LC0027	162	49	104	1.39	
LC0028	142	21	91.4	-2.77	
LC0029	160	16	103	0.97	
LC0030	151	27	97.2	-0.9	
LC0031	152	12.2	97.9	-0.69	
LC0032	157	2	101	0.35	
LC0033	-	-	-	-	
LC0034	164.4	1	106	1.88	
LC0035	163	5.9	105	1.59	
LC0036	-	-	-	-	
LC0037	150.66	2.8	97	-0.97	
LC0038	-	-	-	-	
LC0039	153	31	98.5	-0.48	
LC0040	164	27.9	106	1.8	
LC0041	152	2	97.9	-0.69	

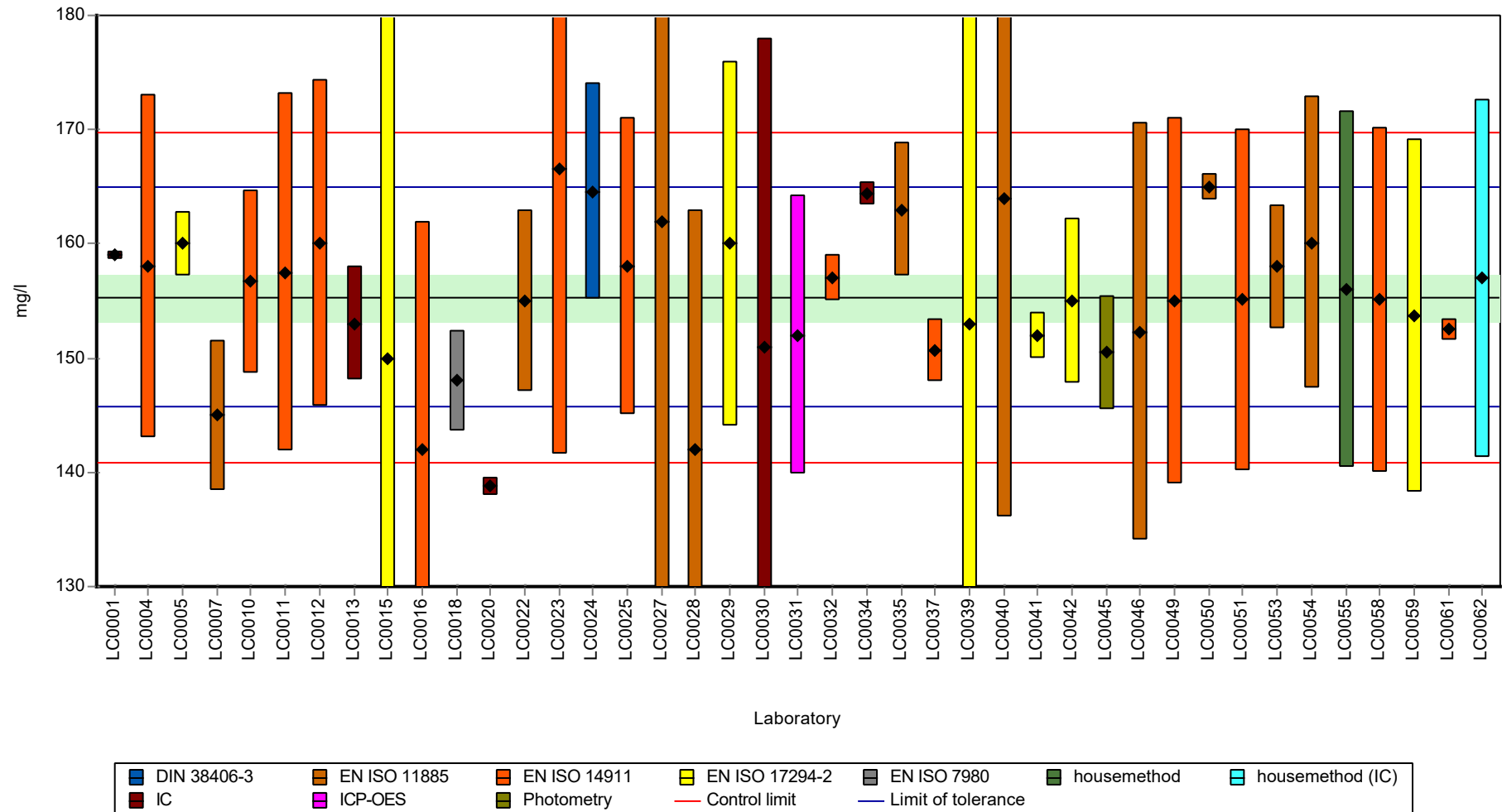
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	155	7.2	99.8	-0.07	
LC0043	-	-	-	-	
LC0044	-	-	-	-	
LC0045	150.5	5	96.9	-1	
LC0046	152.3	18.28	98.1	-0.63	
LC0047	-	-	-	-	
LC0048	-	-	-	-	
LC0049	155	16	99.8	-0.07	
LC0050	165	1.2	106	2.01	
LC0051	155.075	15	99.8	-0.05	
LC0052	-	-	-	-	
LC0053	158	5.4	102	0.56	
LC0054	160.1	12.8	103	0.99	
LC0055	156	15.6	100	0.14	
LC0056	-	-	-	-	
LC0057	-	-	-	-	
LC0058	155.08	15.08	99.8	-0.05	
LC0059	153.7	15.4	99	-0.34	
LC0060	-	-	-	-	
LC0061	152.48	1	98.2	-0.59	
LC0062	157	15.7	101	0.35	

Characteristics of parameter

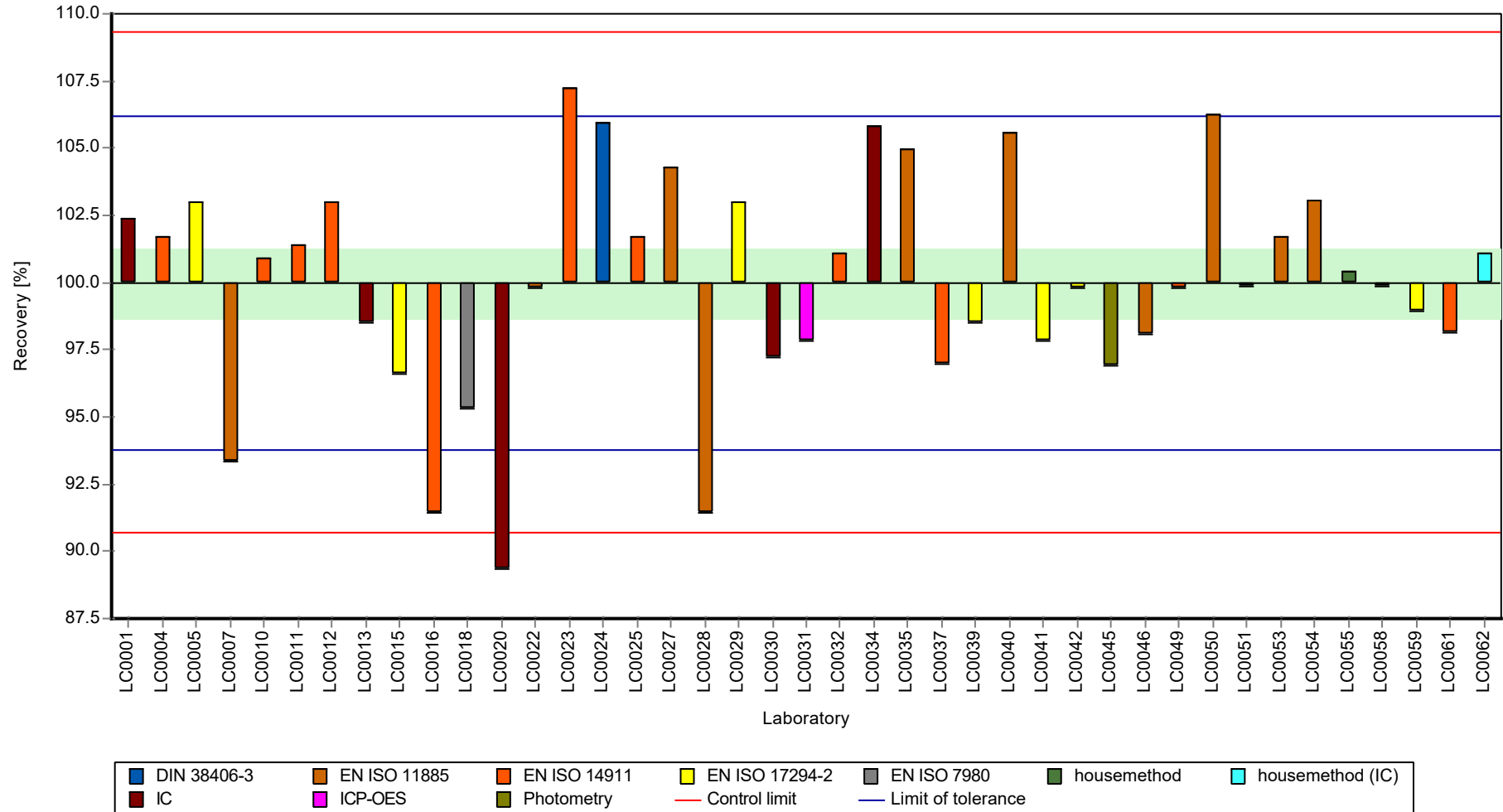
	all results	without outliers	Unit
Mean ± CI (99%)	155 ± 3	155 ± 3	mg/l
Minimum	139	139	mg/l
Maximum	167	167	mg/l
Standard deviation	6.4	6.4	mg/l
rel. standard deviation	4.12	4.12	%
n	41	41	-

Graphical presentation of results

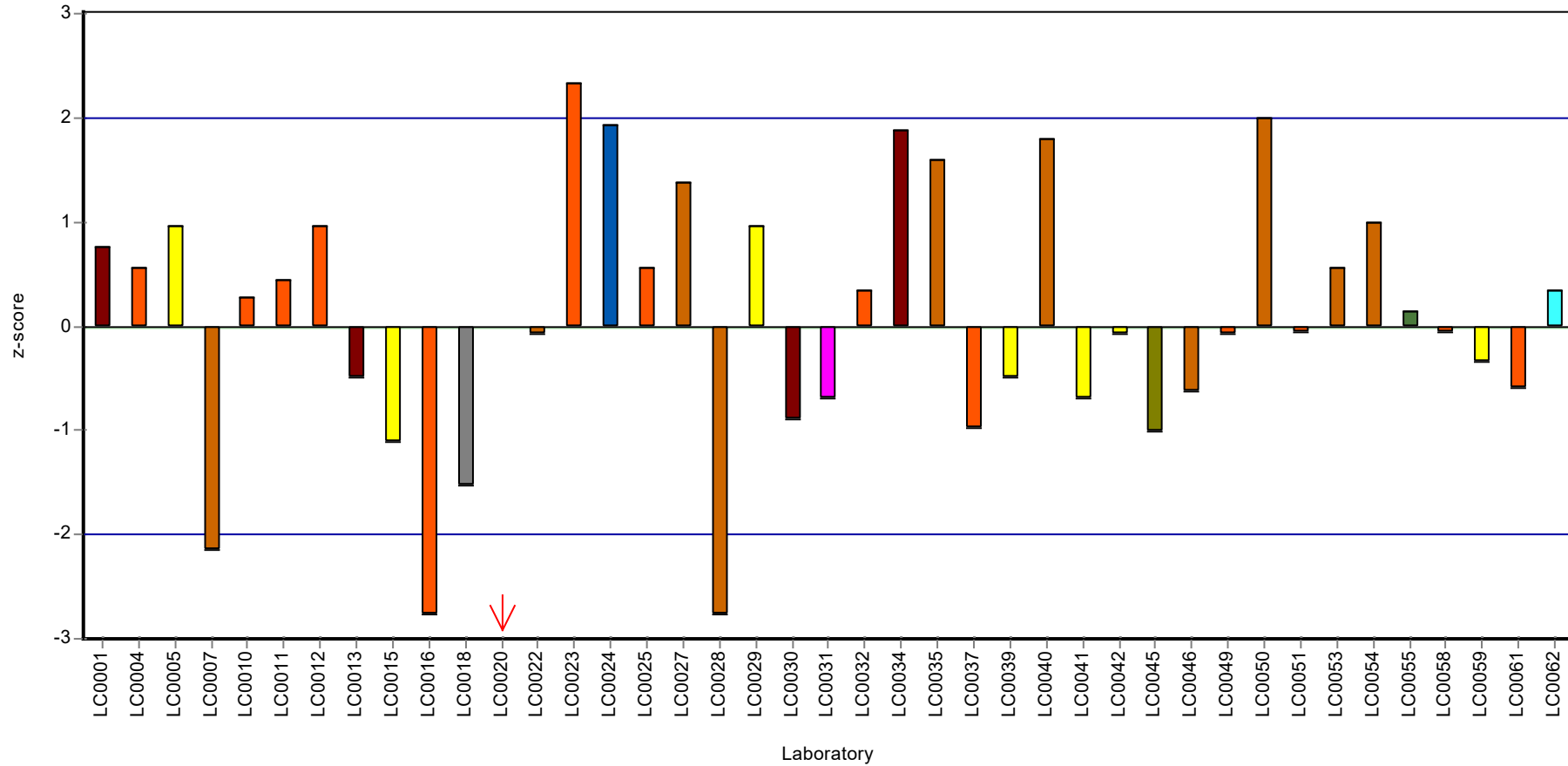
Results



Recovery rate



Z-score



Parameter oriented report

N155 B

Calcium

Unit	mg/l
Assigned value ± U (k=2)	58.7 ± 0.681
Criterion	1.82 (3.1 %)
Minimum - Maximum	53.5 - 62.7
Control test value ± U (k=2)	58 ± 4.06

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	59.6	0.1	101	0.47	
LC0002	-	-	-	-	
LC0003	-	-	-	-	
LC0004	60.1	5.9	102	0.75	
LC0005	58.4	1.78	99.4	-0.19	
LC0006	-	-	-	-	
LC0007	54.3	2.5	92.4	-2.44	
LC0008	-	-	-	-	
LC0009	-	-	-	-	
LC0010	60	3	102	0.69	
LC0011	59.4	5.9	101	0.36	
LC0012	59.2	5.3	101	0.25	
LC0013	59.4	0.83	101	0.36	
LC0014	-	-	-	-	
LC0015	57.2	11	97.4	-0.84	
LC0016	57.7	8.078	98.2	-0.57	
LC0017	-	-	-	-	
LC0018	55.6	1.7	94.7	-1.72	
LC0019	-	-	-	-	
LC0020	55.68	0.22	94.8	-1.68	
LC0021	-	-	-	-	
LC0022	58.3	3	99.3	-0.24	
LC0023	61.805	9.3	105	1.68	
LC0024	61.7	3.6	105	1.63	
LC0025	59.1	5	101	0.2	
LC0026	-	-	-	-	
LC0027	59.1	17.7	101	0.2	
LC0028	53.5	8	91.1	-2.88	
LC0029	60.4	6	103	0.91	
LC0030	56.8	10	96.7	-1.06	
LC0031	55.6	4.44	94.7	-1.72	
LC0032	59	2	100	0.14	
LC0033	-	-	-	-	
LC0034	62.5	1	106	2.07	
LC0035	62.7	1	107	2.18	
LC0036	-	-	-	-	
LC0037	61.8	1.2	105	1.68	
LC0038	-	-	-	-	
LC0039	57.6	11.5	98.1	-0.63	
LC0040	60.4	10.3	103	0.91	
LC0041	59.2	0.4	101	0.25	

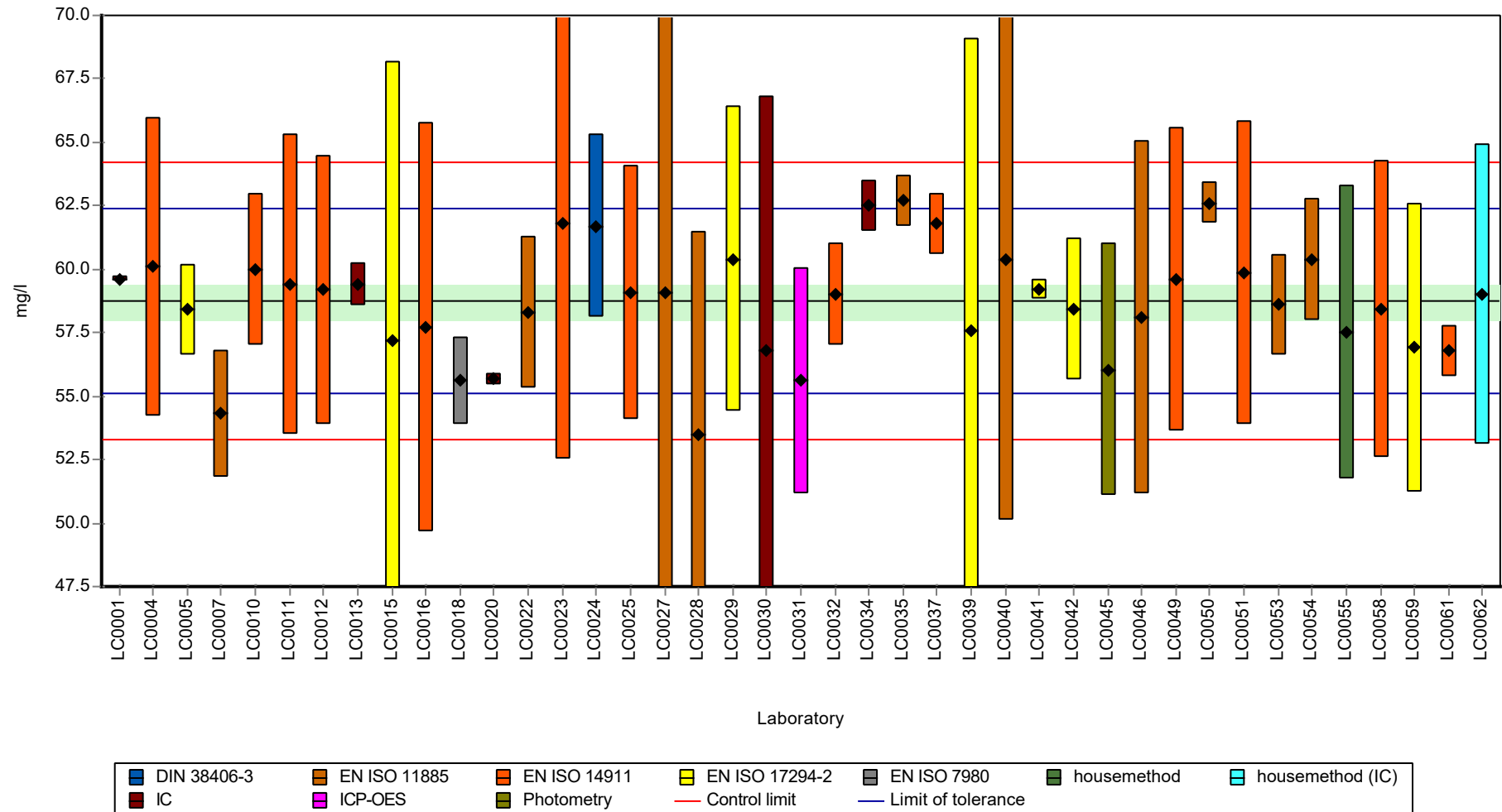
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	58.4	2.8	99.4	-0.19	
LC0043	-	-	-	-	
LC0044	-	-	-	-	
LC0045	56.05	5	95.4	-1.48	
LC0046	58.1	6.97	98.9	-0.35	
LC0047	-	-	-	-	
LC0048	-	-	-	-	
LC0049	59.6	6	101	0.47	
LC0050	62.6	0.82	107	2.12	
LC0051	59.842	6	102	0.61	
LC0052	-	-	-	-	
LC0053	58.6	2	99.8	-0.08	
LC0054	60.4	2.4	103	0.91	
LC0055	57.5	5.8	97.9	-0.68	
LC0056	-	-	-	-	
LC0057	-	-	-	-	
LC0058	58.41	5.841	99.4	-0.18	
LC0059	56.9	5.7	96.9	-1.01	
LC0060	-	-	-	-	
LC0061	56.77	1	96.6	-1.08	
LC0062	59	5.9	100	0.14	

Characteristics of parameter

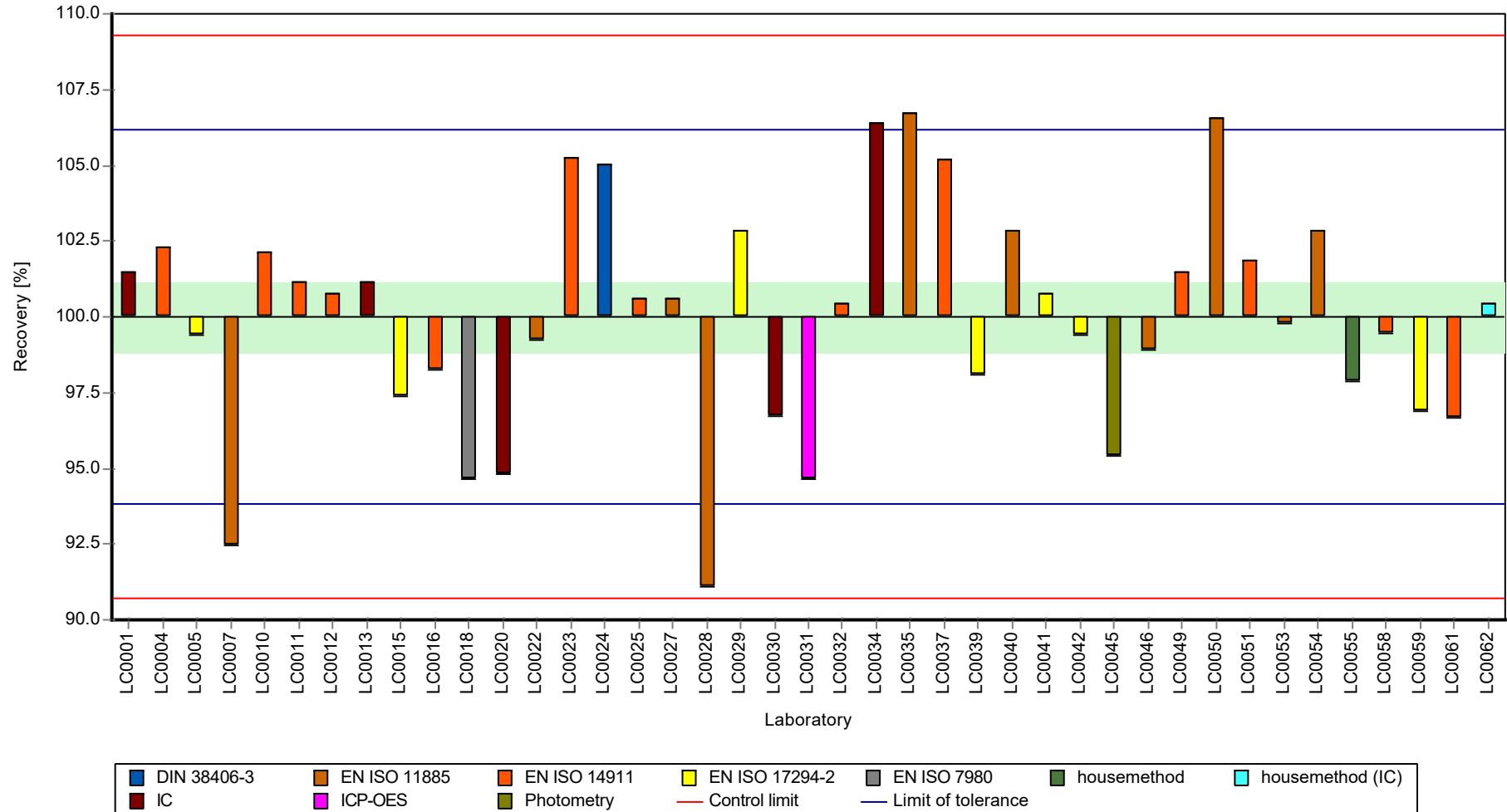
	all results	without outliers	Unit
Mean ± CI (99%)	58.7 ± 1.02	58.7 ± 1.02	mg/l
Minimum	53.5	53.5	mg/l
Maximum	62.7	62.7	mg/l
Standard deviation	2.18	2.18	mg/l
rel. standard deviation	3.71	3.71	%
n	41	41	-

Graphical presentation of results

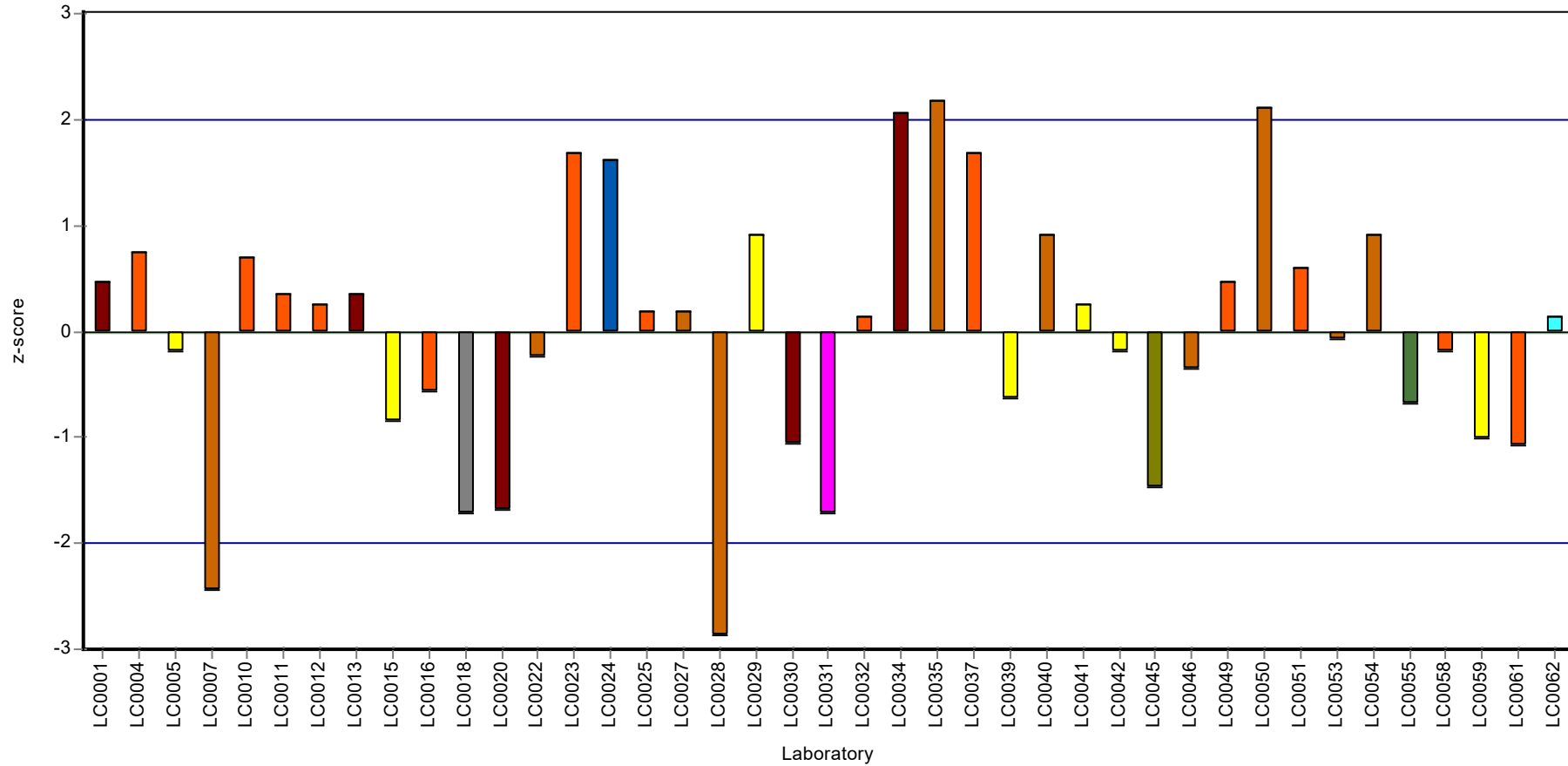
Results



Recovery rate



Z-score



Parameter oriented report

N155 A

Chloride

Unit	mg/l
Assigned value ± U (k=2)	85.1 ± 0.62
Criterion	3.4 (4 %)
Minimum - Maximum	80.8 - 89.4
Control test value ± U (k=2)	82.5 ± 4.13

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	80.8	0.5	95	-1.25	
LC0002	-	-	-	-	
LC0003	-	-	-	-	
LC0004	86.4	4.2	102	0.4	
LC0005	89.4	0.6	105	1.28	
LC0006	-	-	-	-	
LC0007	87.7	5.9	103	0.78	
LC0008	85.531	11.187	101	0.14	
LC0009	-	-	-	-	
LC0010	92.02	5	108	2.05	H
LC0011	84.9	6.8	99.8	-0.04	
LC0012	85.8	7	101	0.22	
LC0013	85.2	3.07	100	0.04	
LC0014	86.4	2.59	102	0.4	
LC0015	82	12	96.4	-0.9	
LC0016	101	25.25	119	4.69	H
LC0017	-	-	-	-	
LC0018	83.5	2.5	98.2	-0.46	
LC0019	88	1.76	103	0.87	
LC0020	82.2	2.49	96.6	-0.84	
LC0021	-	-	-	-	
LC0022	85.6	4.3	101	0.16	
LC0023	83.01	12.45	97.6	-0.6	
LC0024	85.6	2.9	101	0.16	
LC0025	85.3	6	100	0.07	
LC0026	-	-	-	-	
LC0027	78.2	13.3	91.9	-2.01	H
LC0028	86	13	101	0.28	
LC0029	84.7	8.5	99.6	-0.1	
LC0030	84.2	7.5	99	-0.25	
LC0031	83	8.3	97.6	-0.6	
LC0032	86	2	101	0.28	
LC0033	-	-	-	-	
LC0034	83.7	1	98.4	-0.4	
LC0035	86.4	0.83	102	0.4	
LC0036	-	-	-	-	
LC0037	89.2	2.02	105	1.22	
LC0038	-	-	-	-	
LC0039	84.9	8.5	99.8	-0.04	
LC0040	87.4	8.74	103	0.69	
LC0041	84.4	0.3	99.2	-0.19	

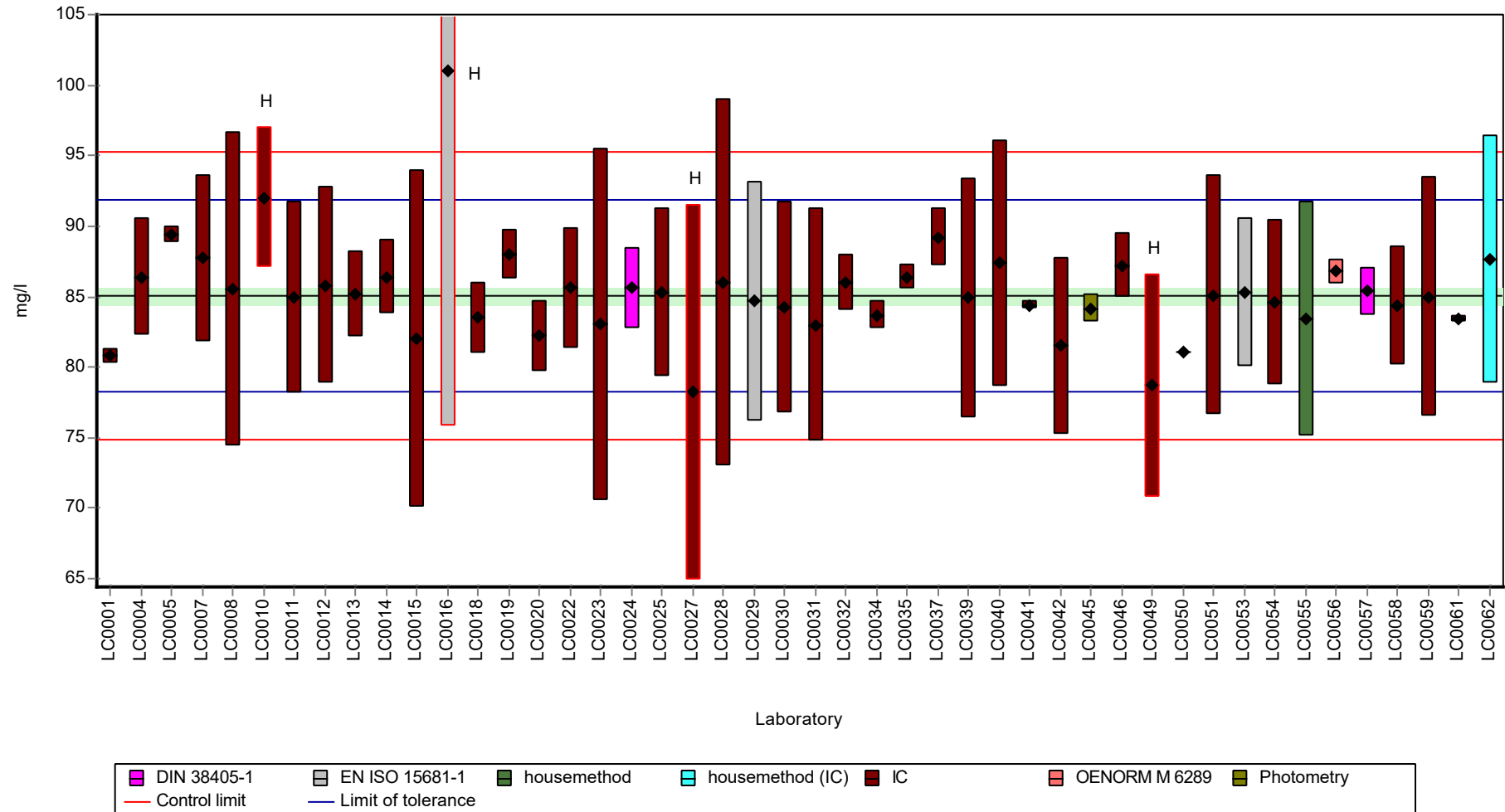
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	81.5	6.3	95.8	-1.04	
LC0043	-	-	-	-	
LC0044	-	-	-	-	
LC0045	84.13	1	98.9	-0.27	
LC0046	87.2	2.27	103	0.63	
LC0047	-	-	-	-	
LC0048	-	-	-	-	
LC0049	78.7	7.9	92.5	-1.87	H
LC0050	81.06	0.02	95.3	-1.17	
LC0051	85.081	8.5	100	0.01	
LC0052	-	-	-	-	
LC0053	85.3	5.24	100	0.07	
LC0054	84.6	5.9	99.5	-0.13	
LC0055	83.4	8.3	98.1	-0.48	
LC0056	86.8	0.88	102	0.51	
LC0057	85.4	1.71	100	0.1	
LC0058	84.38	4.219	99.2	-0.2	
LC0059	85	8.5	99.9	-0.01	
LC0060	-	-	-	-	
LC0061	83.42	0.2	98.1	-0.48	
LC0062	87.6	8.8	103	0.75	

Characteristics of parameter

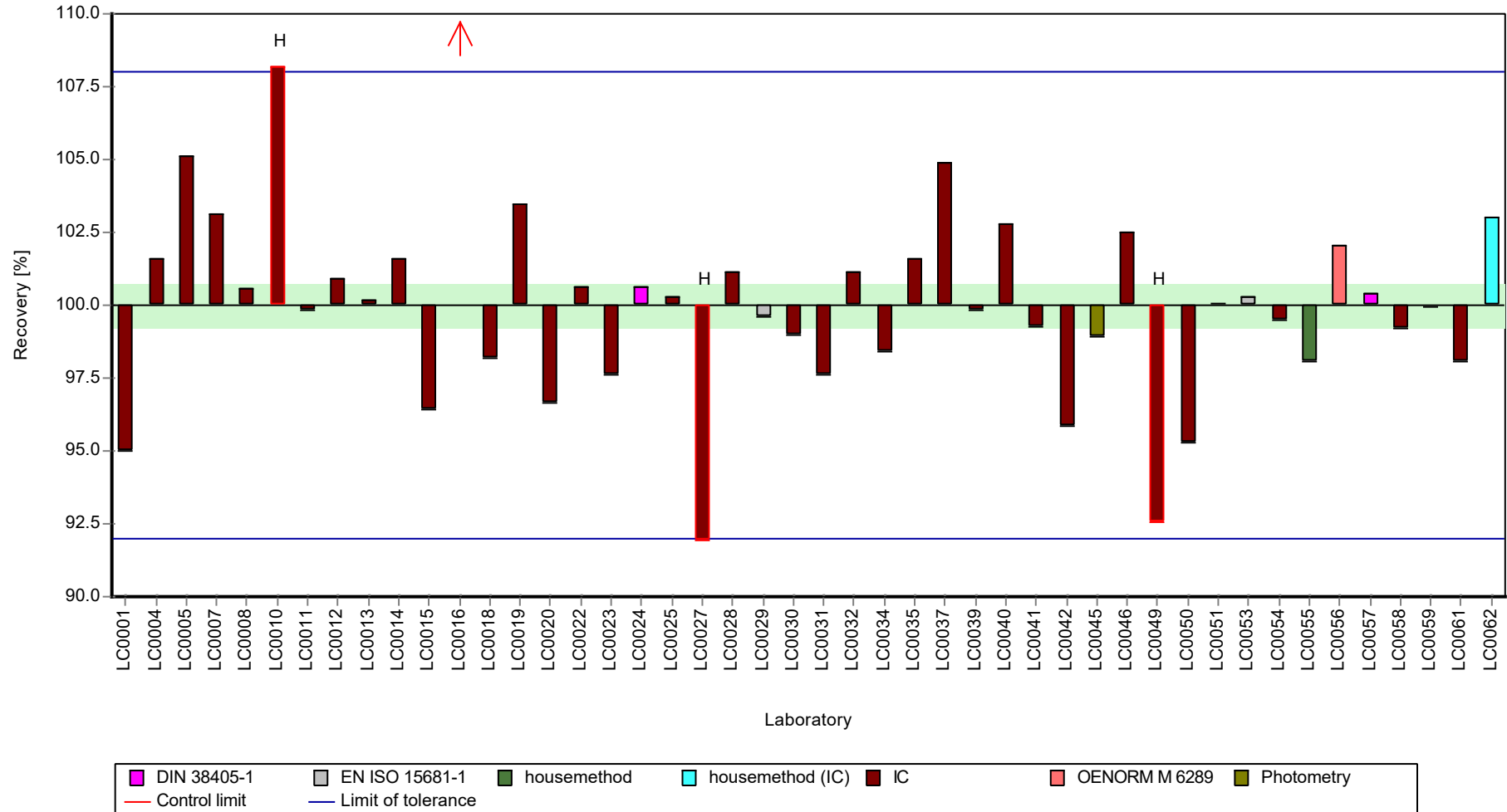
	all results	without outliers	Unit
Mean ± CI (99%)	85.3 ± 1.55	85.1 ± 0.93	mg/l
Minimum	78.2	80.8	mg/l
Maximum	101	89.4	mg/l
Standard deviation	3.51	2.01	mg/l
rel. standard deviation	4.11	2.36	%
n	46	42	-

Graphical presentation of results

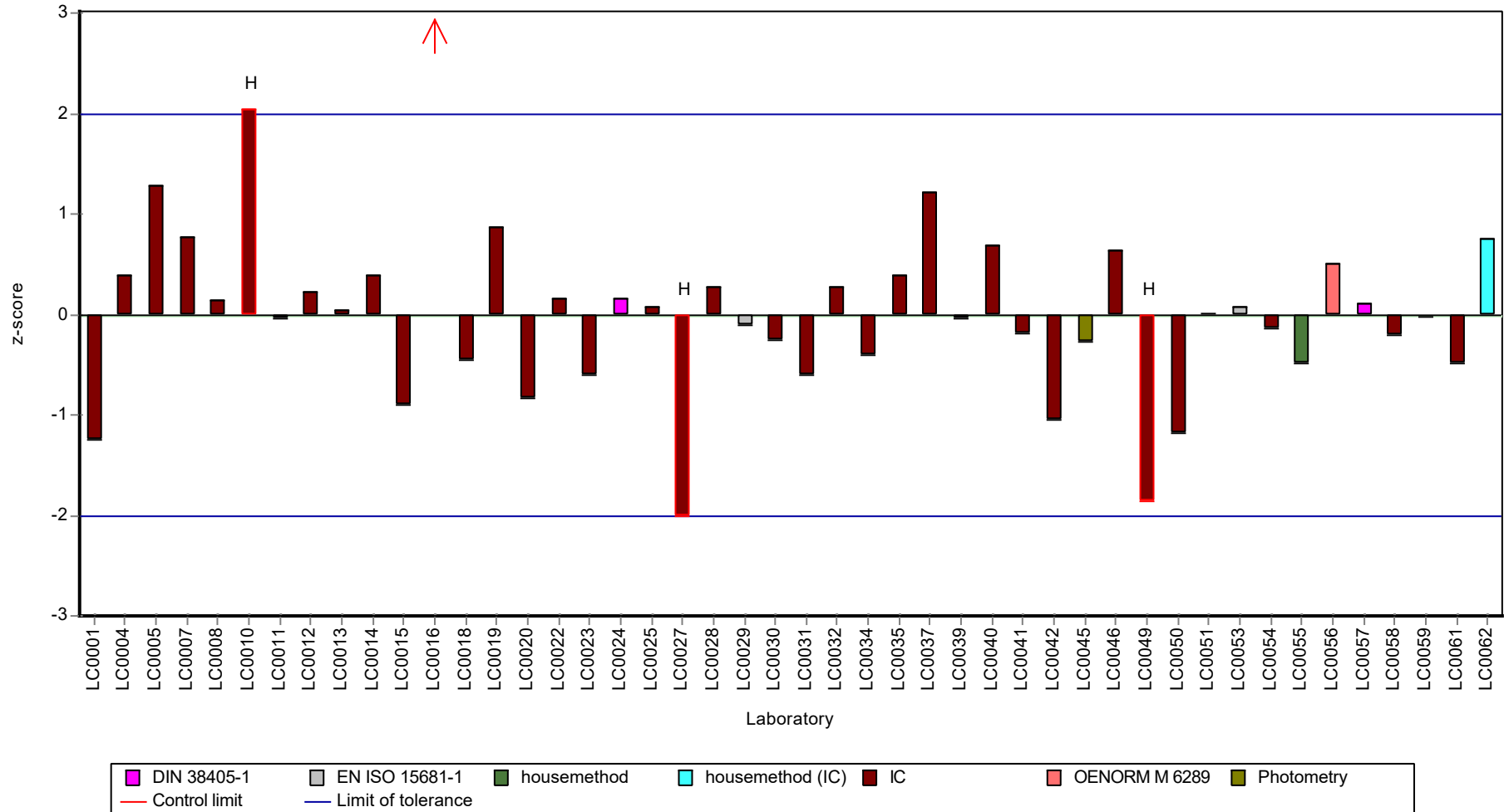
Results



Recovery rate



Z-score



Parameter oriented report

N155 B

Chloride

Unit	mg/l
Assigned value ± U (k=2)	44.2 ± 0.341
Criterion	1.77 (4 %)
Minimum - Maximum	41.5 - 46.6
Control test value ± U (k=2)	42.5 ± 2.13

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	39	0.3	88.3	-2.93	H
LC0002	-	-	-	-	
LC0003	-	-	-	-	
LC0004	44.9	2.2	102	0.41	
LC0005	45.5	0.173	103	0.74	
LC0006	-	-	-	-	
LC0007	45.5	3.1	103	0.74	
LC0008	43.187	5.649	97.7	-0.56	
LC0009	-	-	-	-	
LC0010	45	2	102	0.46	
LC0011	43.5	3.5	98.5	-0.39	
LC0012	41.5	3.4	93.9	-1.52	
LC0013	44.1	1.3	99.8	-0.05	
LC0014	44.5	1.33	101	0.18	
LC0015	43	6.5	97.3	-0.67	
LC0016	45.1	11.275	102	0.52	
LC0017	-	-	-	-	
LC0018	41.7	1.3	94.4	-1.4	
LC0019	46.6	0.93	105	1.37	
LC0020	43.53	0.57	98.5	-0.37	
LC0021	-	-	-	-	
LC0022	43.6	2.2	98.7	-0.33	
LC0023	42.84	6.31	97	-0.76	
LC0024	44.5	1.5	101	0.18	
LC0025	44	3	99.6	-0.1	
LC0026	-	-	-	-	
LC0027	42.3	7.2	95.7	-1.07	
LC0028	45	7	102	0.46	
LC0029	46.5	4.7	105	1.31	
LC0030	43.3	3.9	98	-0.5	
LC0031	42.8	4.28	96.9	-0.78	
LC0032	44	2	99.6	-0.1	
LC0033	-	-	-	-	
LC0034	44.6	1	101	0.24	
LC0035	44.5	0.43	101	0.18	
LC0036	-	-	-	-	
LC0037	46.2	1.05	105	1.14	
LC0038	-	-	-	-	
LC0039	43.6	4.4	98.7	-0.33	
LC0040	44.4	4.44	100	0.12	
LC0041	44.5	0.2	101	0.18	

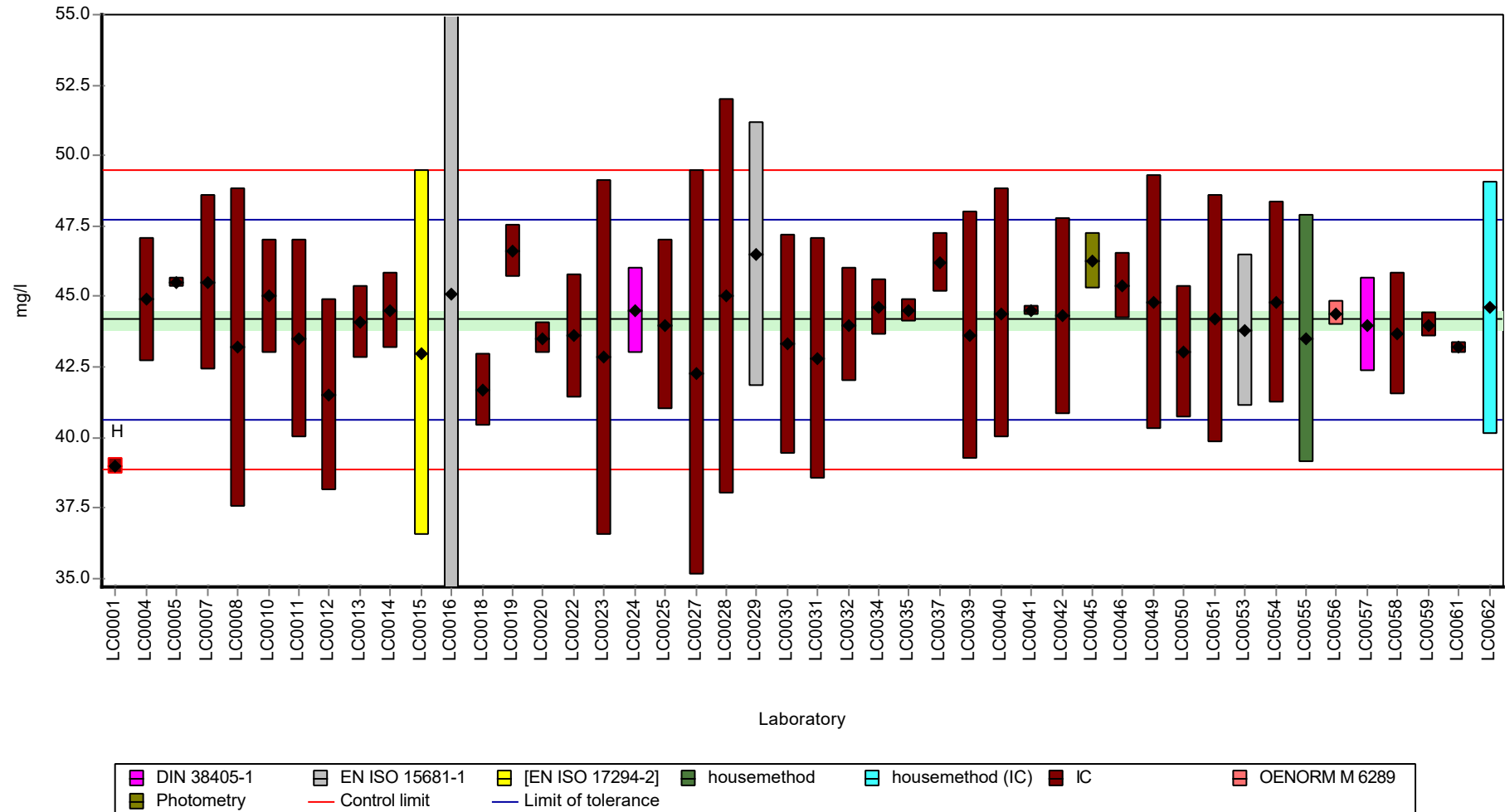
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	44.3	3.5	100	0.07	
LC0043	-	-	-	-	
LC0044	-	-	-	-	
LC0045	46.25	1	105	1.17	
LC0046	45.4	1.18	103	0.69	
LC0047	-	-	-	-	
LC0048	-	-	-	-	
LC0049	44.8	4.5	101	0.35	
LC0050	43.02	2.34	97.4	-0.66	
LC0051	44.196	4.4	100	0.01	
LC0052	-	-	-	-	
LC0053	43.8	2.69	99.1	-0.22	
LC0054	44.8	3.6	101	0.35	
LC0055	43.5	4.4	98.5	-0.39	
LC0056	44.4	0.45	100	0.12	
LC0057	44	1.66	99.6	-0.1	
LC0058	43.69	2.185	98.9	-0.28	
LC0059	44	0.44	99.6	-0.1	
LC0060	-	-	-	-	
LC0061	43.2	0.2	97.8	-0.56	
LC0062	44.6	4.5	101	0.24	

Characteristics of parameter

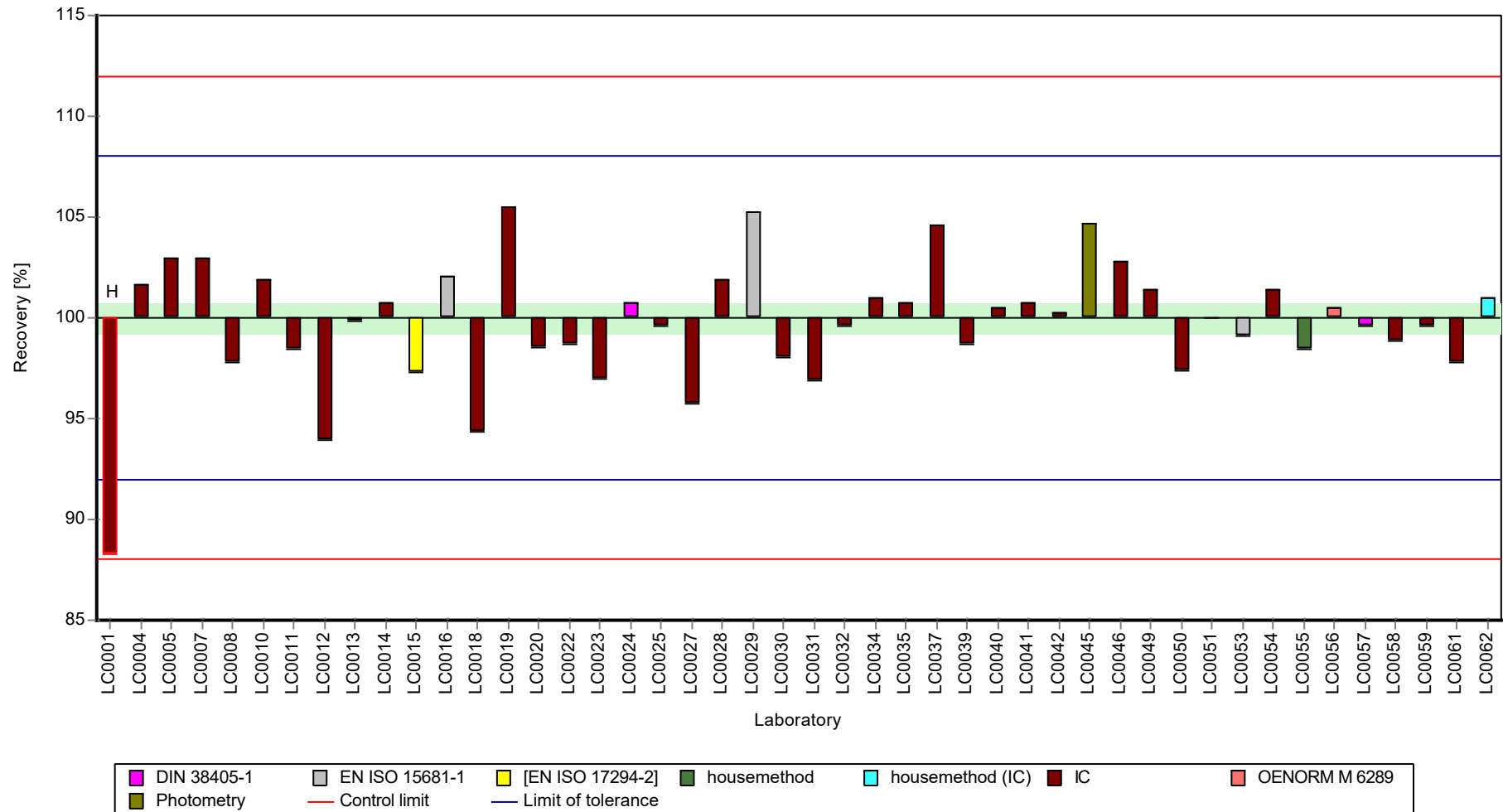
	all results	without outliers	Unit
Mean ± CI (99%)	44.1 ± 0.604	44.2 ± 0.511	mg/l
Minimum	39	41.5	mg/l
Maximum	46.6	46.6	mg/l
Standard deviation	1.36	1.14	mg/l
rel. standard deviation	3.1	2.59	%
n	46	45	-

Graphical presentation of results

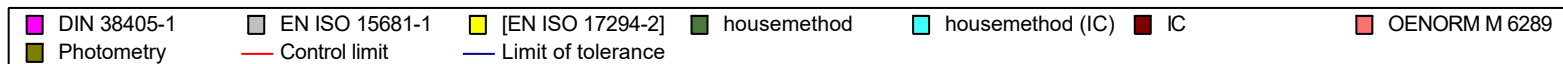
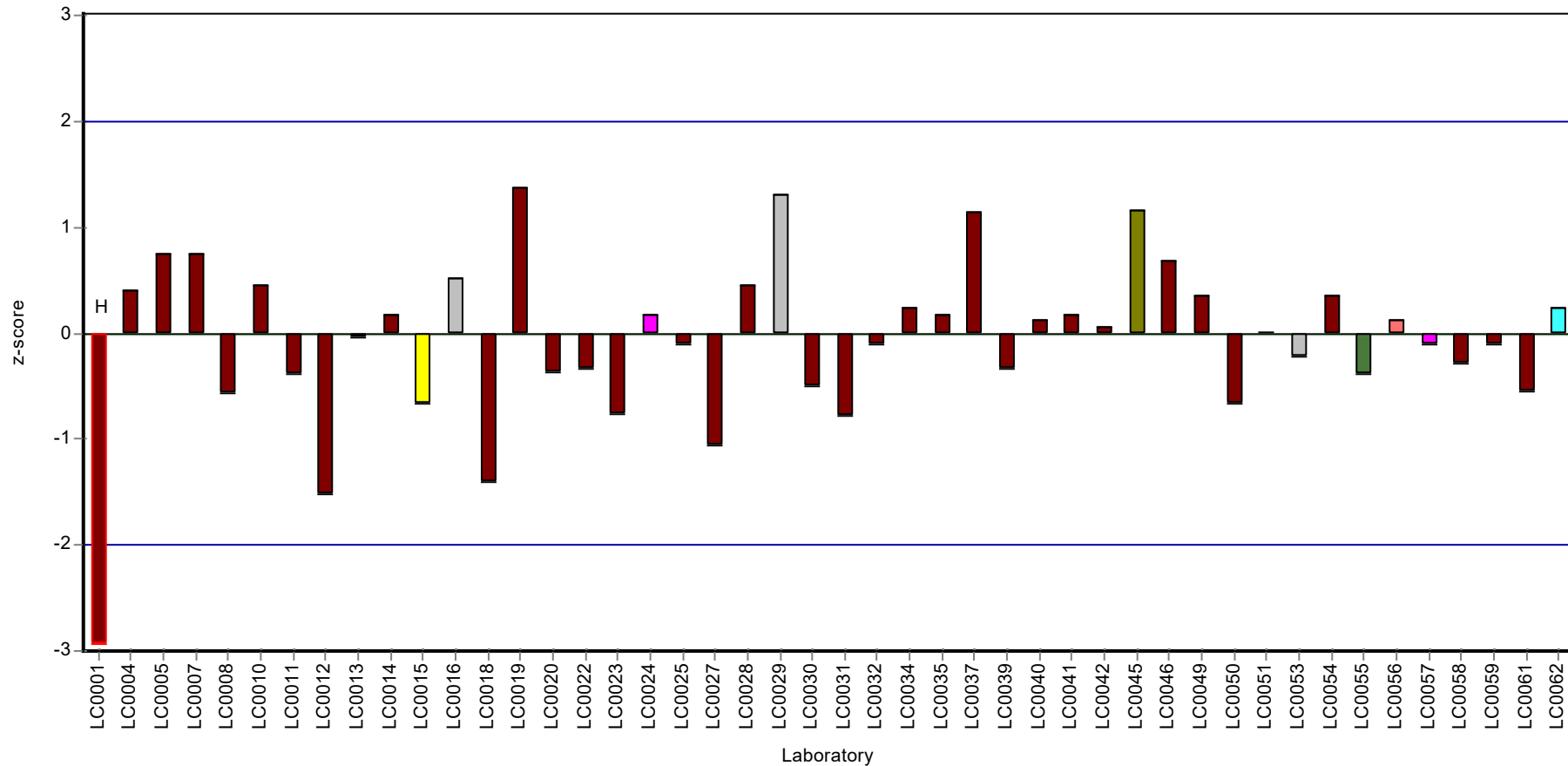
Results



Recovery rate



Z-score



Parameter oriented report

N155 A DOC

DOC (as C)

Unit	mg/l
Assigned value ± U (k=2)	2.07 ± 0.0588
Criterion	0.207 (10 %)
Minimum - Maximum	1.65 - 2.46
Control test value ± U (k=2)	2.02 ± 0.222

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	2.35	0.117	113	1.33	
LC0006	-	-	-	-	
LC0007	1.85	0.3	89.2	-1.08	
LC0008	2.017	0.363	97.2	-0.28	
LC0009	-	-	-	-	
LC0010	1.98	0.1	95.5	-0.45	
LC0011	1.91	0.19	92.1	-0.79	
LC0012	2.08	0.15	100	0.03	
LC0013	2.32	0.03	112	1.19	
LC0014	-	-	-	-	
LC0015	3.99	0.4	192	9.24	H
LC0016	2.02	0.505	97.4	-0.26	
LC0017	-	-	-	-	
LC0018	2.18	0.065	105	0.51	
LC0019	2.17	0.17	105	0.46	
LC0020	1.86	0.04	89.7	-1.03	
LC0021	-	-	-	-	
LC0022	2.2	0.2	106	0.61	
LC0023	0.449	0.05	21.6	-7.84	H
LC0024	-	-	-	-	
LC0025	2.15	0.4	104	0.37	
LC0026	-	-	-	-	
LC0027	2.24	0.67	108	0.8	
LC0028	2.2	0.7	106	0.61	
LC0029	2.27	0.23	109	0.94	
LC0030	2	0.18	96.4	-0.36	
LC0031	1.93	0.39	93.1	-0.69	
LC0032	1.9	0.2	91.6	-0.84	
LC0033	-	-	-	-	
LC0034	2.13	1	103	0.27	
LC0035	2	0.06	96.4	-0.36	
LC0036	-	-	-	-	
LC0037	2.86	0.21	138	3.79	H
LC0038	-	-	-	-	
LC0039	2.16	0.22	104	0.41	
LC0040	1.96	0.216	94.5	-0.55	
LC0041	2.12	0.05	102	0.22	

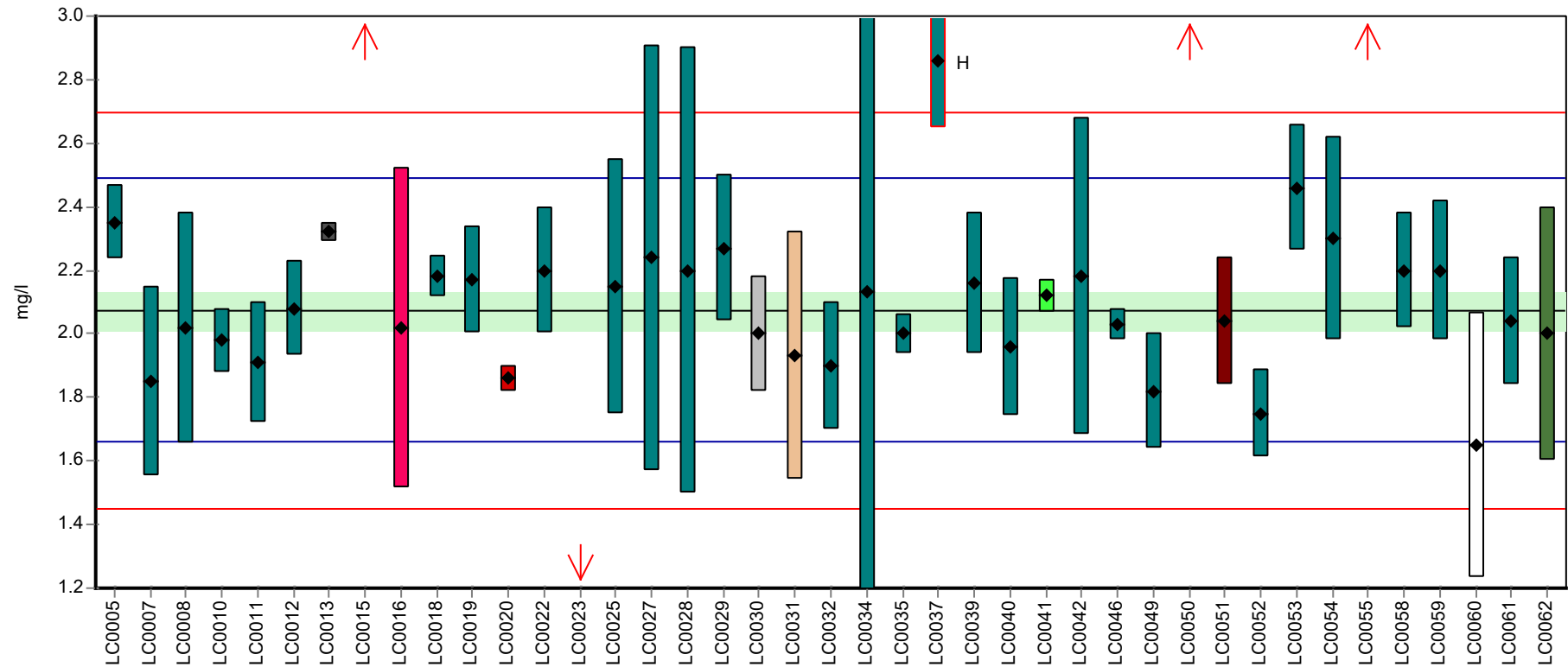
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	2.18	0.5	105	0.51	
LC0043	-	-	-	-	
LC0044	-	-	-	-	
LC0045	-	-	-	-	
LC0046	2.03	0.047	97.9	-0.21	
LC0047	-	-	-	-	
LC0048	-	-	-	-	
LC0049	1.82	0.18	87.7	-1.23	
LC0050	3.71	0.35	179	7.89	H
LC0051	2.04	0.2	98.4	-0.16	
LC0052	1.75	0.14	84.4	-1.56	
LC0053	2.46	0.2	119	1.86	
LC0054	2.3	0.32	111	1.09	
LC0055	13.7	1.4	661	56.1	H
LC0056	-	-	-	-	
LC0057	-	-	-	-	
LC0058	2.2	0.18	106	0.61	
LC0059	2.2	0.22	106	0.61	
LC0060	1.65	0.42	79.6	-2.04	
LC0061	2.04	0.2	98.4	-0.16	
LC0062	2	0.4	96.4	-0.36	

Characteristics of parameter

	all results	without outliers	Unit
Mean ± CI (99%)	2.42 ± 0.879	2.07 ± 0.0882	mg/l
Minimum	0.449	1.65	mg/l
Maximum	13.7	2.46	mg/l
Standard deviation	1.88	0.176	mg/l
rel. standard deviation	77.4	8.5	%
n	41	36	-

Graphical presentation of results

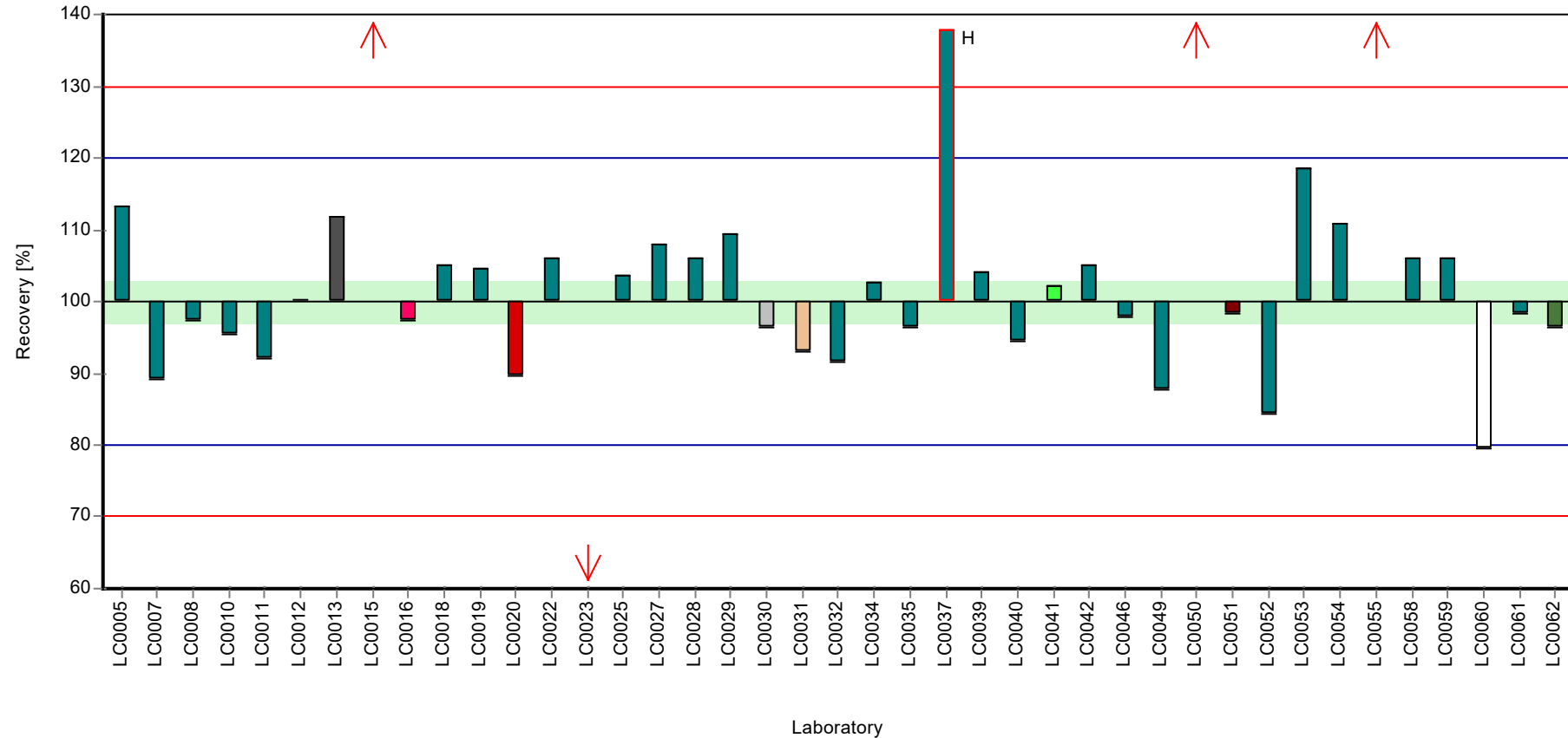
Results



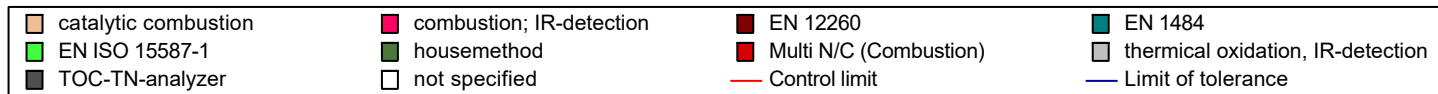
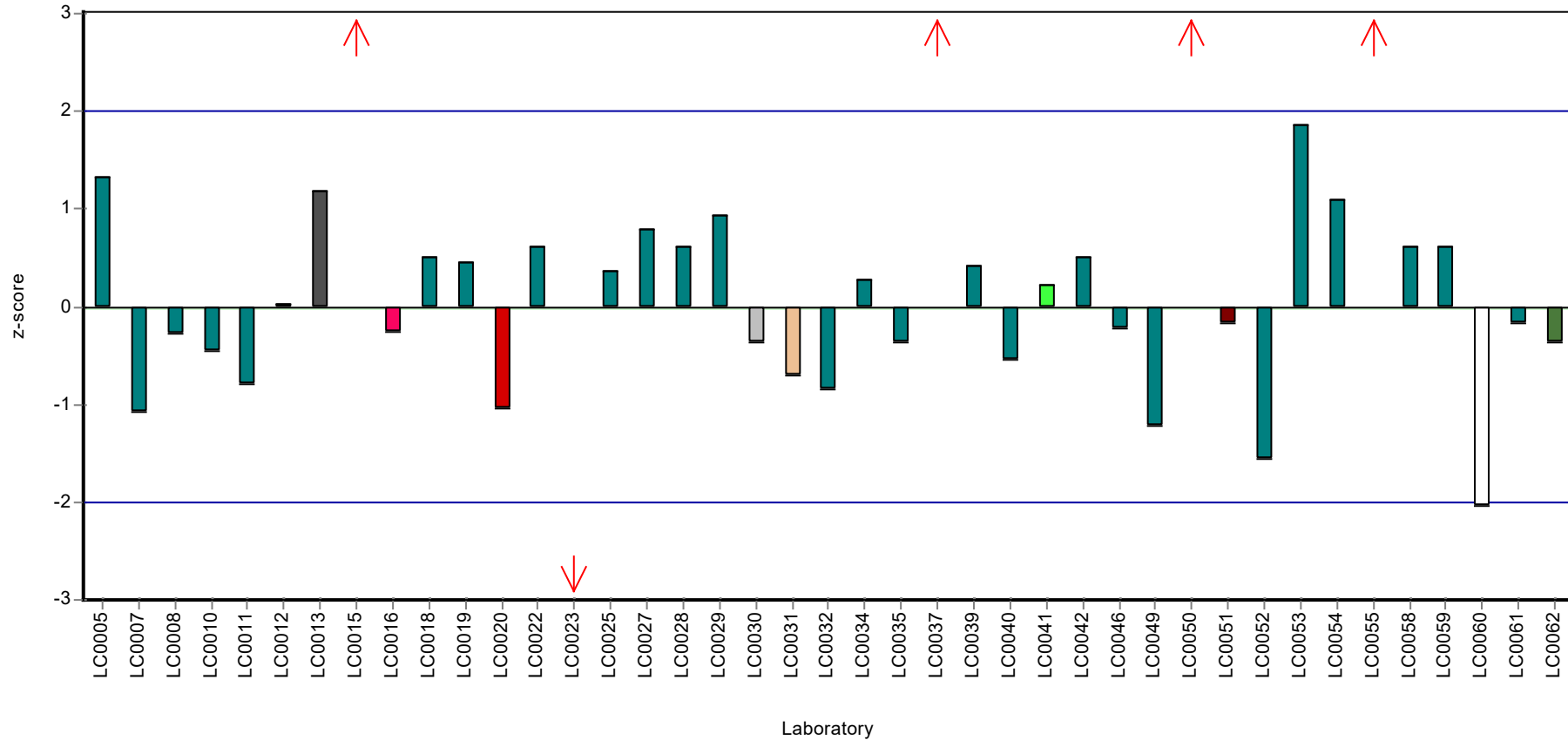
Laboratory



Recovery rate



Z-score



Parameter oriented report

N155 B DOC

DOC (as C)

Unit	mg/l
Assigned value ± U (k=2)	4.27 ± 0.0971
Criterion	0.427 (10 %)
Minimum - Maximum	3.84 - 4.98
Control test value ± U (k=2)	3.93 ± 0.432

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	4.38	0.105	103	0.27	
LC0006	-	-	-	-	
LC0007	4.39	0.7	103	0.29	
LC0008	4.429	0.797	104	0.38	
LC0009	-	-	-	-	
LC0010	3.92	0.17	91.9	-0.81	
LC0011	4.2	0.42	98.5	-0.15	
LC0012	4.1	0.3	96.1	-0.39	
LC0013	4.7	0.47	110	1.02	
LC0014	-	-	-	-	
LC0015	2.15	0.8	50.4	-4.96	H
LC0016	4.56	1.14	107	0.69	
LC0017	-	-	-	-	
LC0018	2.18	0.13	51.1	-4.89	H
LC0019	4.32	0.34	101	0.13	
LC0020	4.14	0.11	97	-0.29	
LC0021	-	-	-	-	
LC0022	4.3	0.4	101	0.08	
LC0023	1.798	0.2	42.1	-5.79	H
LC0024	-	-	-	-	
LC0025	4.29	0.7	101	0.06	
LC0026	-	-	-	-	
LC0027	4.45	1.34	104	0.43	
LC0028	4.4	1.3	103	0.31	
LC0029	4.58	0.46	107	0.74	
LC0030	4.01	0.36	94	-0.6	
LC0031	4.02	0.81	94.2	-0.58	
LC0032	4.2	0.3	98.5	-0.15	
LC0033	-	-	-	-	
LC0034	4.03	1	94.5	-0.55	
LC0035	4.09	0.06	95.9	-0.41	
LC0036	-	-	-	-	
LC0037	4.98	0.36	117	1.67	
LC0038	-	-	-	-	
LC0039	4	0.4	93.8	-0.62	
LC0040	3.92	0.431	91.9	-0.81	
LC0041	4.1	0.1	96.1	-0.39	

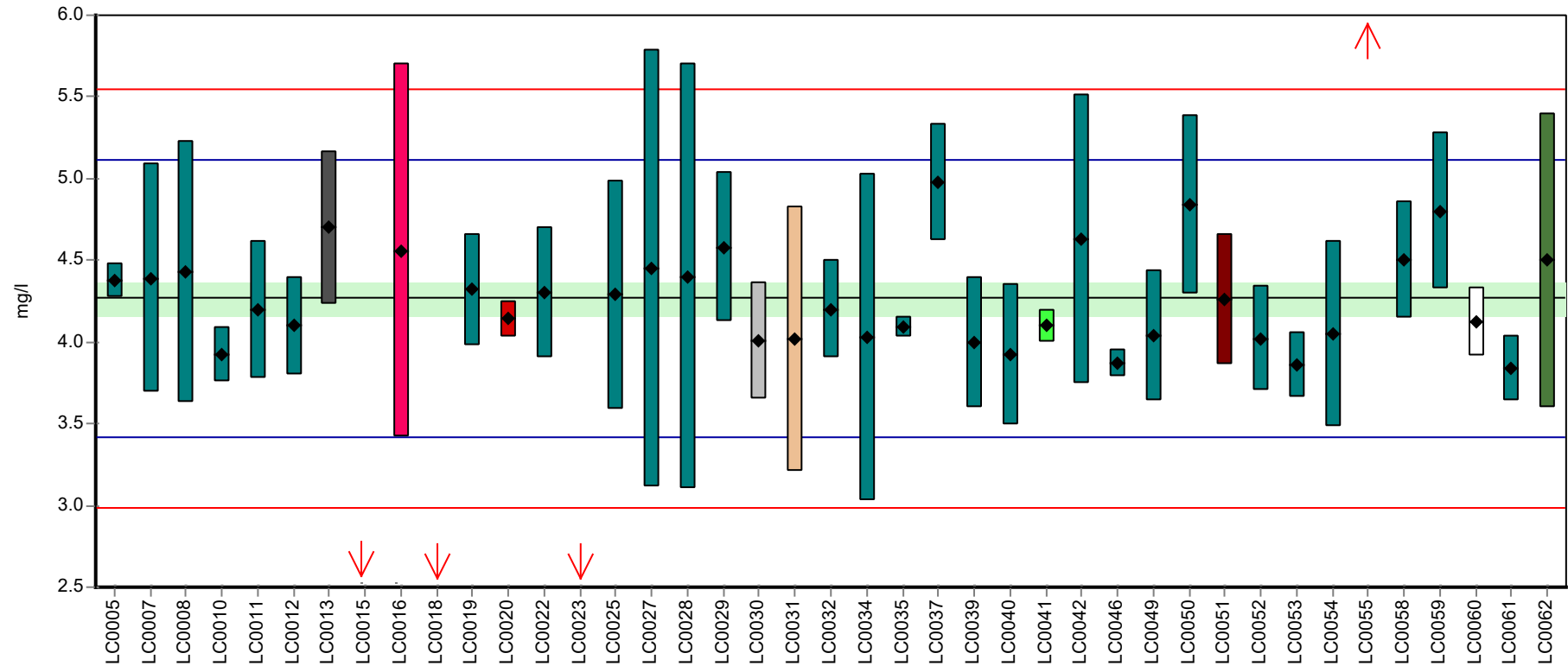
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	4.63	0.89	109	0.85	
LC0043	-	-	-	-	
LC0044	-	-	-	-	
LC0045	-	-	-	-	
LC0046	3.87	0.089	90.7	-0.93	
LC0047	-	-	-	-	
LC0048	-	-	-	-	
LC0049	4.04	0.4	94.7	-0.53	
LC0050	4.84	0.55	113	1.35	
LC0051	4.26	0.4	99.9	-0.01	
LC0052	4.02	0.32	94.2	-0.58	
LC0053	3.86	0.2	90.5	-0.95	
LC0054	4.05	0.57	94.9	-0.51	
LC0055	7	0.7	164	6.41	H
LC0056	-	-	-	-	
LC0057	-	-	-	-	
LC0058	4.5	0.36	105	0.55	
LC0059	4.8	0.48	113	1.25	
LC0060	4.12	0.21	96.6	-0.34	
LC0061	3.84	0.2	90	-1	
LC0062	4.5	0.9	105	0.55	

Characteristics of parameter

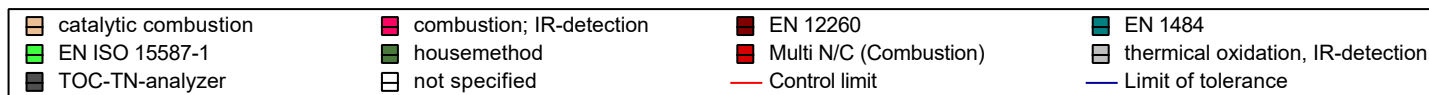
	all results	without outliers	Unit
Mean ± CI (99%)	4.17 ± 0.372	4.27 ± 0.146	mg/l
Minimum	1.8	3.84	mg/l
Maximum	7	4.98	mg/l
Standard deviation	0.793	0.295	mg/l
rel. standard deviation	19	6.92	%
n	41	37	-

Graphical presentation of results

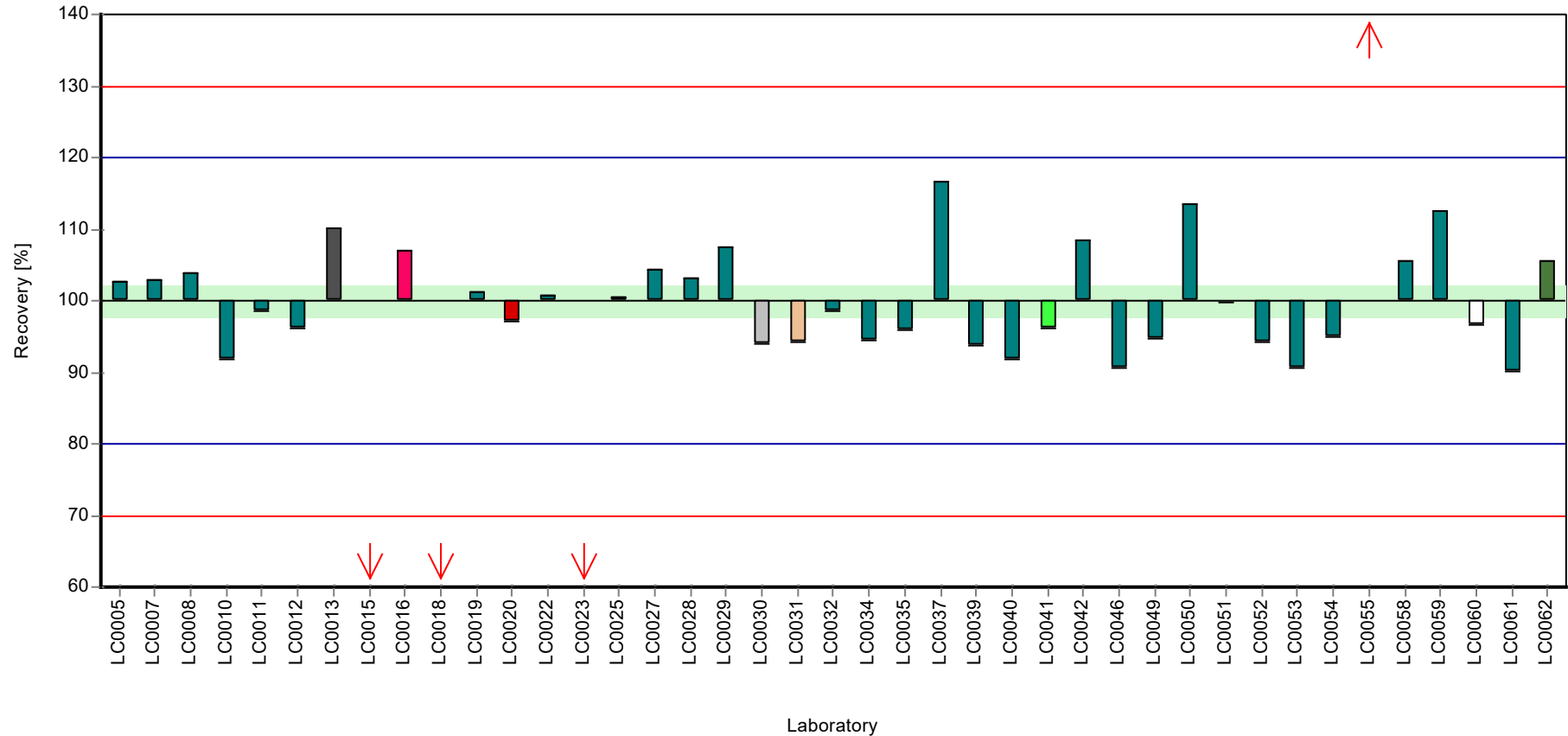
Results



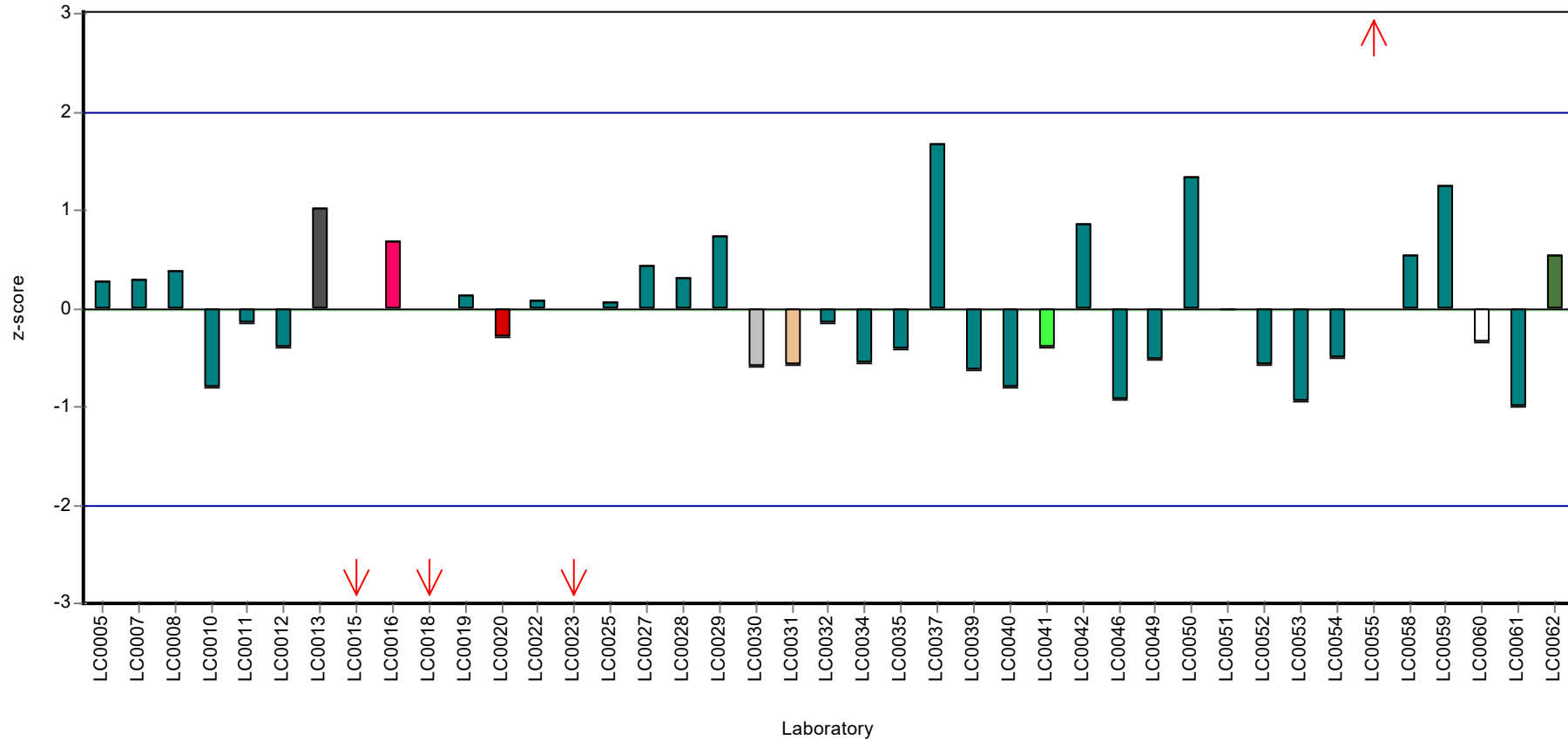
Laboratory



Recovery rate



Z-score



Parameter oriented report

N155 A

El. conductivity (25°C)

Unit	µS/cm
Assigned value ± U (k=2)	1080 ± 4.42
Criterion	14 (1.3 %)
Minimum - Maximum	1040 - 1120
Control test value ± U (k=2)	1040 ± 20.8

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	1080	32.4	100	0.07	
LC0004	1090	10	101	0.78	
LC0005	1061	2.52	98.3	-1.29	
LC0006	-	-	-	-	
LC0007	1070	32	99.2	-0.65	
LC0008	1079	54	100	0.00	
LC0009	-	-	-	-	
LC0010	1067	22	98.9	-0.86	
LC0011	1083	32	100	0.28	
LC0012	1062	85	98.4	-1.22	
LC0013	1075	25.5	99.6	-0.29	
LC0014	1070	21	99.2	-0.65	
LC0015	1040	52	96.4	-2.78	
LC0016	1070	31	99.2	-0.65	
LC0017	1100	30	102	1.49	
LC0018	1050	32	97.3	-2.07	
LC0019	1080	30	100	0.07	
LC0020	1078.5	0.71	99.9	-0.04	
LC0021	-	-	-	-	
LC0022	1070	19	99.2	-0.65	
LC0023	1076.7	21.5	99.8	-0.17	
LC0024	1030	30	95.5	-3.5	H
LC0025	1080	44	100	0.07	
LC0026	1086	30	101	0.49	
LC0027	1080	38	100	0.07	
LC0028	1116	223	103	2.63	
LC0029	1100	27.5	102	1.49	
LC0030	1067	43	98.9	-0.86	
LC0031	1079	5	100	0.00	
LC0032	1080	5	100	0.07	
LC0033	-	-	-	-	
LC0034	1212	1	112	9.48	H
LC0035	1090	0.08	101	0.78	
LC0036	1085	24	101	0.42	
LC0037	1063	3	98.5	-1.15	
LC0038	-	-	-	-	
LC0039	1085	10	101	0.42	
LC0040	1082	22	100	0.21	
LC0041	1070	7	99.2	-0.65	

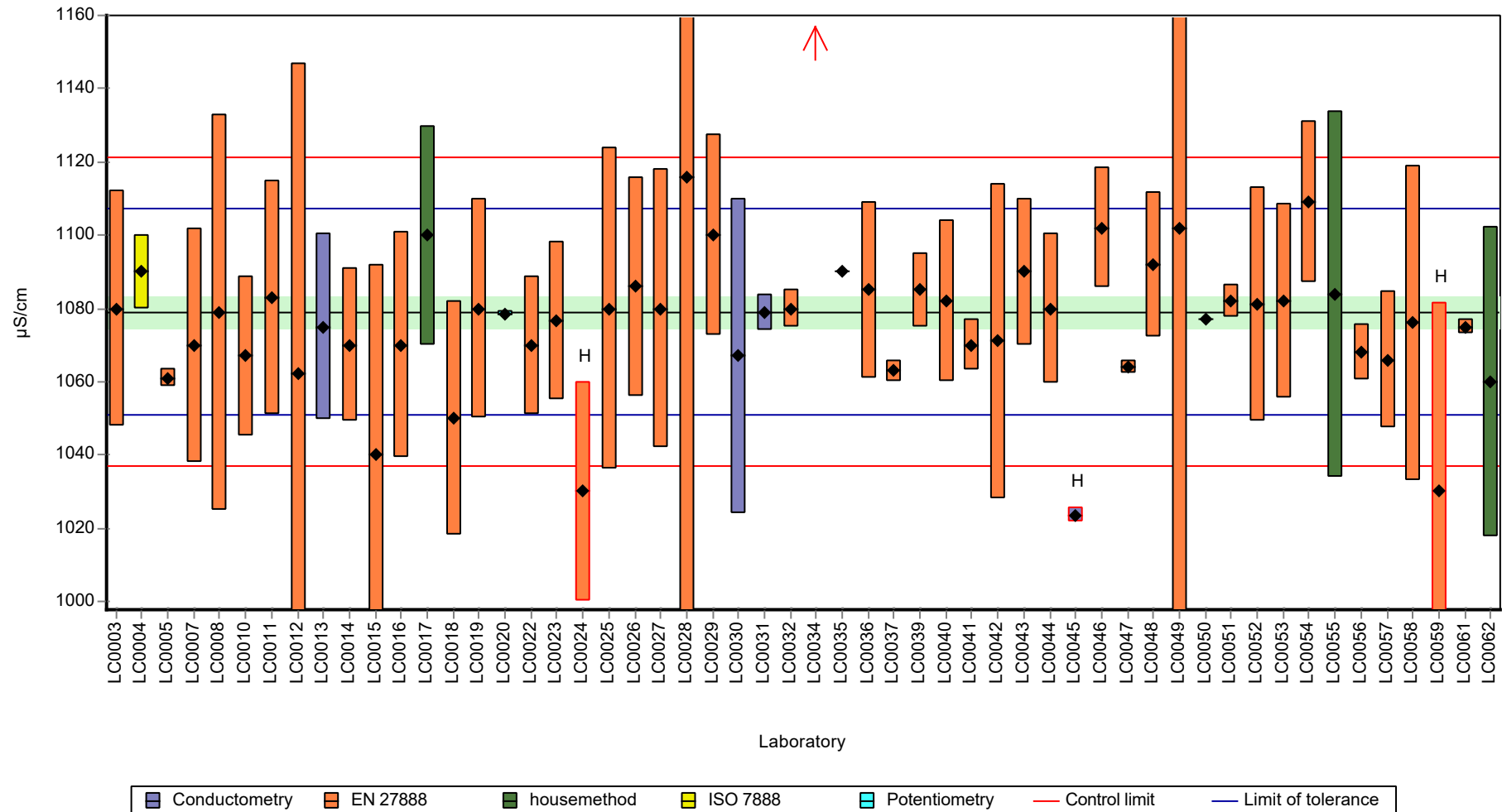
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	1071	43	99.3	-0.57	
LC0043	1090	20	101	0.78	
LC0044	1080	20.4	100	0.07	
LC0045	1023.5	2	94.9	-3.96	H
LC0046	1102	16.53	102	1.64	
LC0047	1064	2	98.6	-1.07	
LC0048	1092	19.7	101	0.92	
LC0049	1102	110	102	1.64	
LC0050	1077	0.1	99.8	-0.15	
LC0051	1082	4.51	100	0.21	
LC0052	1081	32	100	0.14	
LC0053	1082	26.6	100	0.21	
LC0054	1109	22	103	2.13	
LC0055	1084	50	100	0.35	
LC0056	1068	7.56	99	-0.79	
LC0057	1066	18.6	98.8	-0.93	
LC0058	1076	43	99.7	-0.22	
LC0059	1030	51.5	95.5	-3.5	H
LC0060	-	-	-	-	
LC0061	1075	2	99.6	-0.29	
LC0062	1060	42.4	98.2	-1.36	

Characteristics of parameter

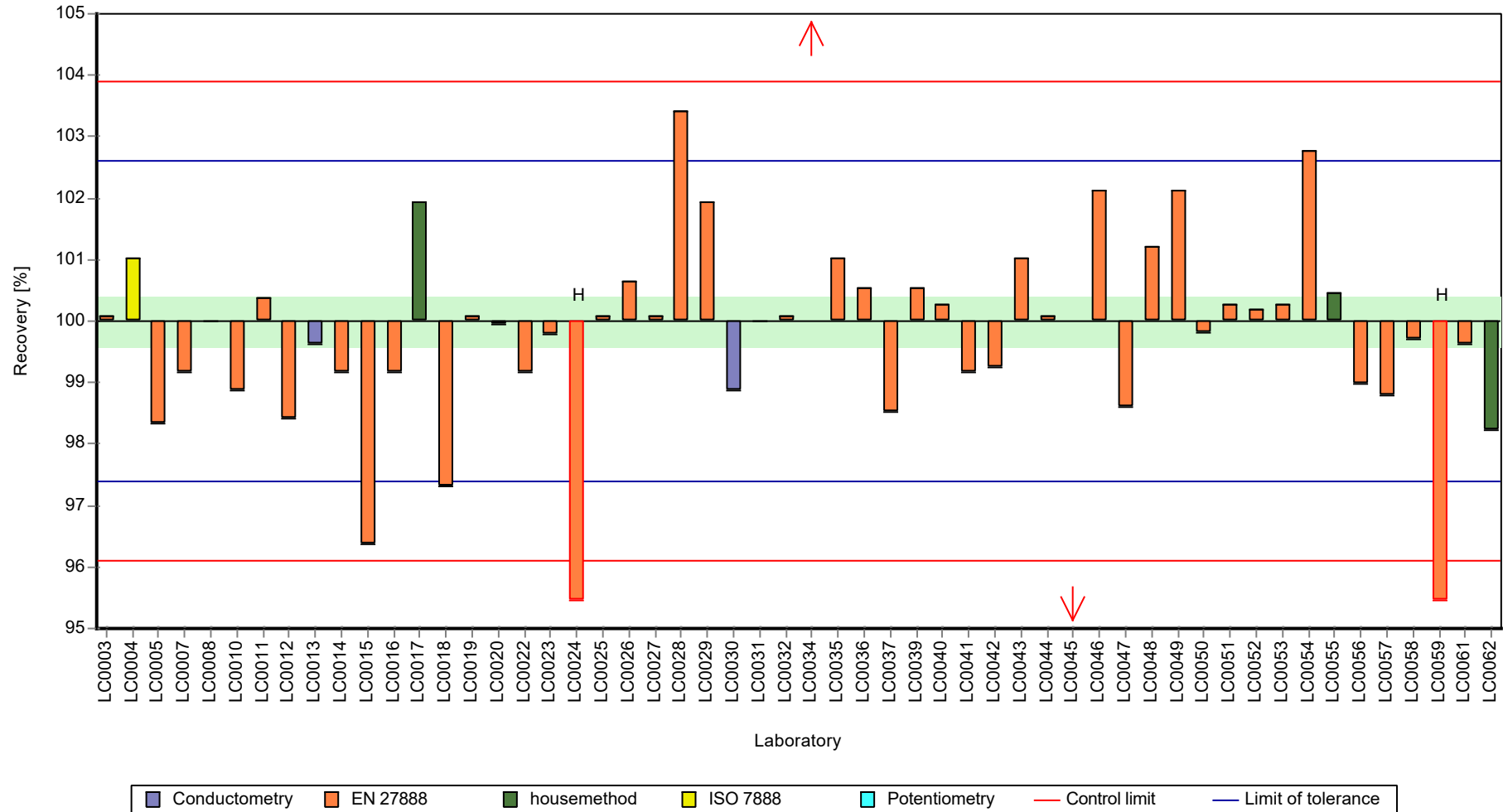
	all results	without outliers	Unit
Mean ± CI (99%)	1080 ± 10.5	1080 ± 6.01	µS/cm
Minimum	1020	1040	µS/cm
Maximum	1210	1120	µS/cm
Standard deviation	25.8	14.2	µS/cm
rel. standard deviation	2.4	1.31	%
n	54	50	-

Graphical presentation of results

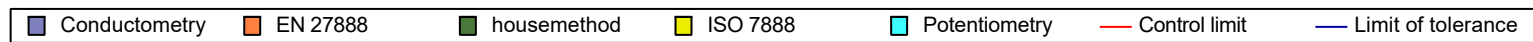
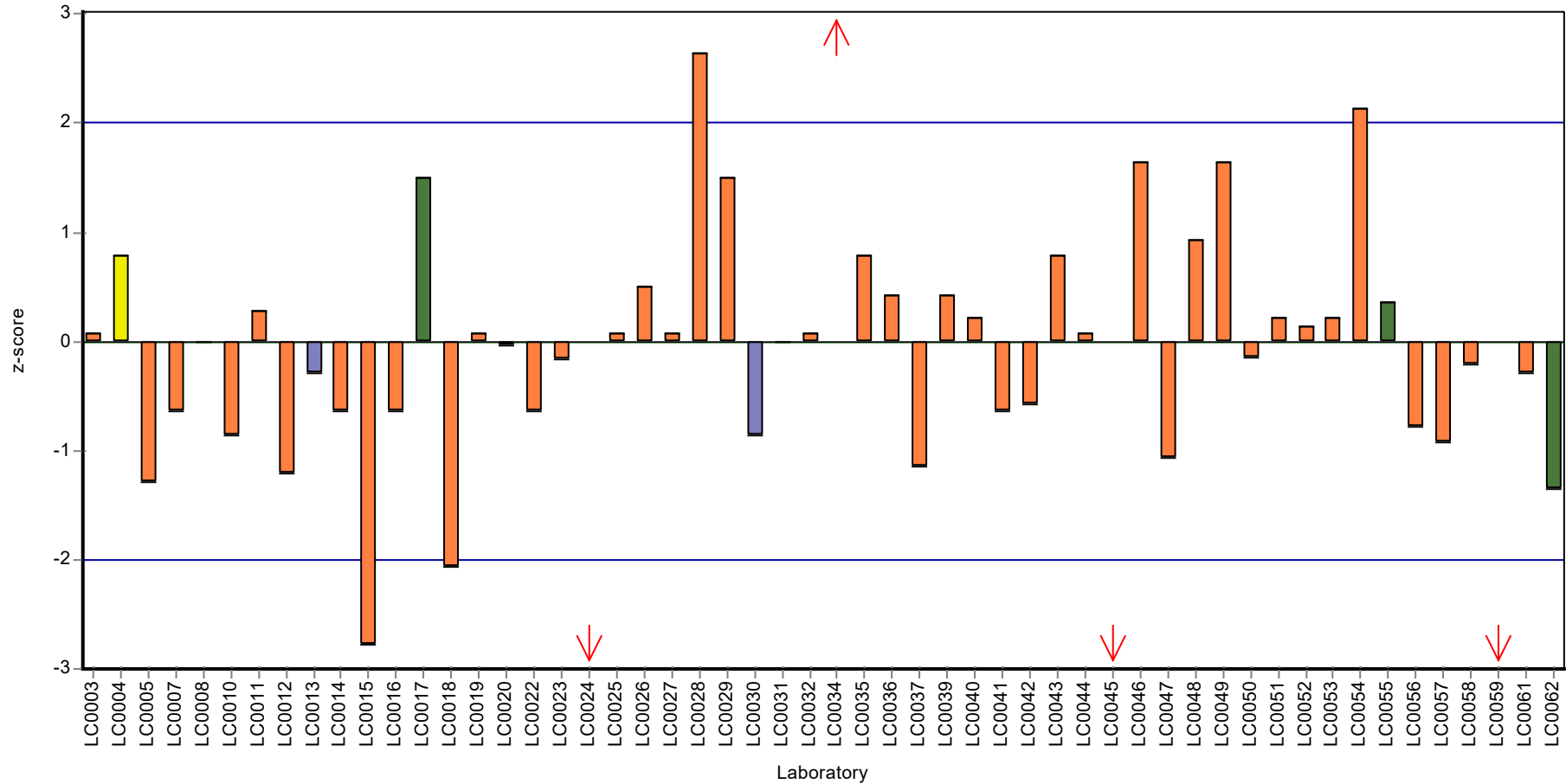
Results



Recovery rate



Z-score



Parameter oriented report

N155 B

El. conductivity (25°C)

Unit	µS/cm
Assigned value ± U (k=2)	517 ± 1.75
Criterion	6.72 (1.3 %)
Minimum - Maximum	501 - 529
Control test value ± U (k=2)	497 ± 9.94

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	525	16	102	1.18	
LC0004	524	4.72	101	1.03	
LC0005	510	3.06	98.6	-1.05	
LC0006	-	-	-	-	
LC0007	509	15	98.4	-1.2	
LC0008	525	26	102	1.18	
LC0009	-	-	-	-	
LC0010	512	11	99	-0.76	
LC0011	517	16	100	-0.01	
LC0012	494	39.5	95.5	-3.43	H
LC0013	516	10.6	99.8	-0.16	
LC0014	512	10	99	-0.76	
LC0015	501	25	96.9	-2.39	
LC0016	515	14.94	99.6	-0.31	
LC0017	538	15	104	3.11	H
LC0018	514	15	99.4	-0.46	
LC0019	523	15	101	0.88	
LC0020	517	0.01	100	-0.01	
LC0021	-	-	-	-	
LC0022	511	9	98.8	-0.9	
LC0023	516.2	10.3	99.8	-0.13	
LC0024	517	15	100	-0.01	
LC0025	518	21	100	0.14	
LC0026	521	30	101	0.58	
LC0027	512	18	99	-0.76	
LC0028	514	103	99.4	-0.46	
LC0029	516	12.9	99.8	-0.16	
LC0030	512	20	99	-0.76	
LC0031	517	5	100	-0.01	
LC0032	517	3	100	-0.01	
LC0033	-	-	-	-	
LC0034	553	1	107	5.34	H
LC0035	522	0.2	101	0.73	
LC0036	519	12	100	0.29	
LC0037	509	2	98.4	-1.2	
LC0038	-	-	-	-	
LC0039	520	10	101	0.43	
LC0040	517	10	100	-0.01	
LC0041	520	3	101	0.43	

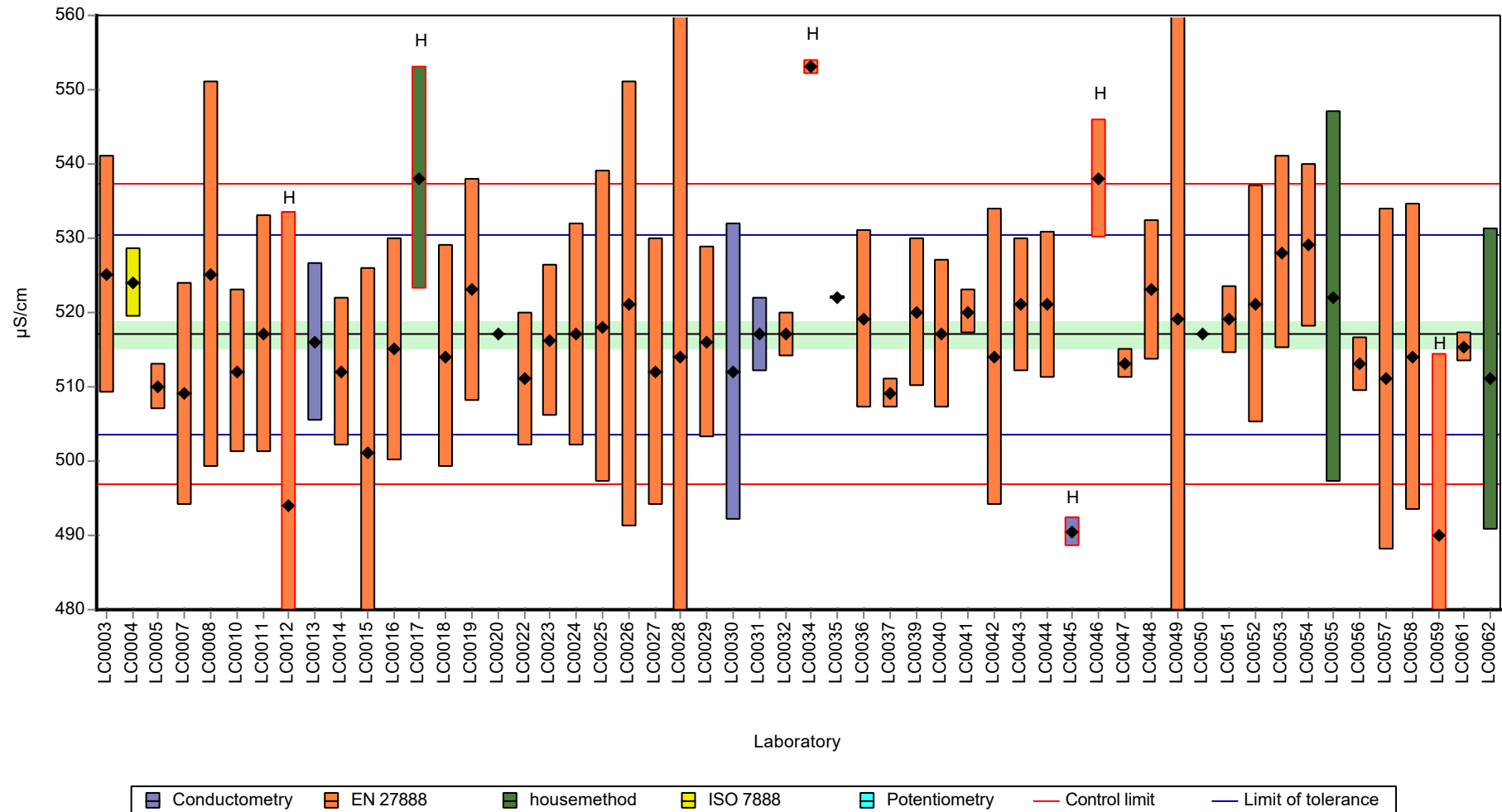
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	514	20	99.4	-0.46	
LC0043	521	9	101	0.58	
LC0044	521	9.8	101	0.58	
LC0045	490.5	2	94.9	-3.95	H
LC0046	538	8.07	104	3.11	H
LC0047	513	2	99.2	-0.61	
LC0048	523	9.42	101	0.88	
LC0049	519	52	100	0.29	
LC0050	517	0.1	100	-0.01	
LC0051	519	4.51	100	0.29	
LC0052	521	16	101	0.58	
LC0053	528	13	102	1.63	
LC0054	529	11	102	1.77	
LC0055	522	25	101	0.73	
LC0056	513	3.63	99.2	-0.61	
LC0057	511	23	98.8	-0.9	
LC0058	514	20.6	99.4	-0.46	
LC0059	490	24.5	94.8	-4.03	H
LC0060	-	-	-	-	
LC0061	515.4	2	99.7	-0.25	
LC0062	511	20.4	98.8	-0.9	

Characteristics of parameter

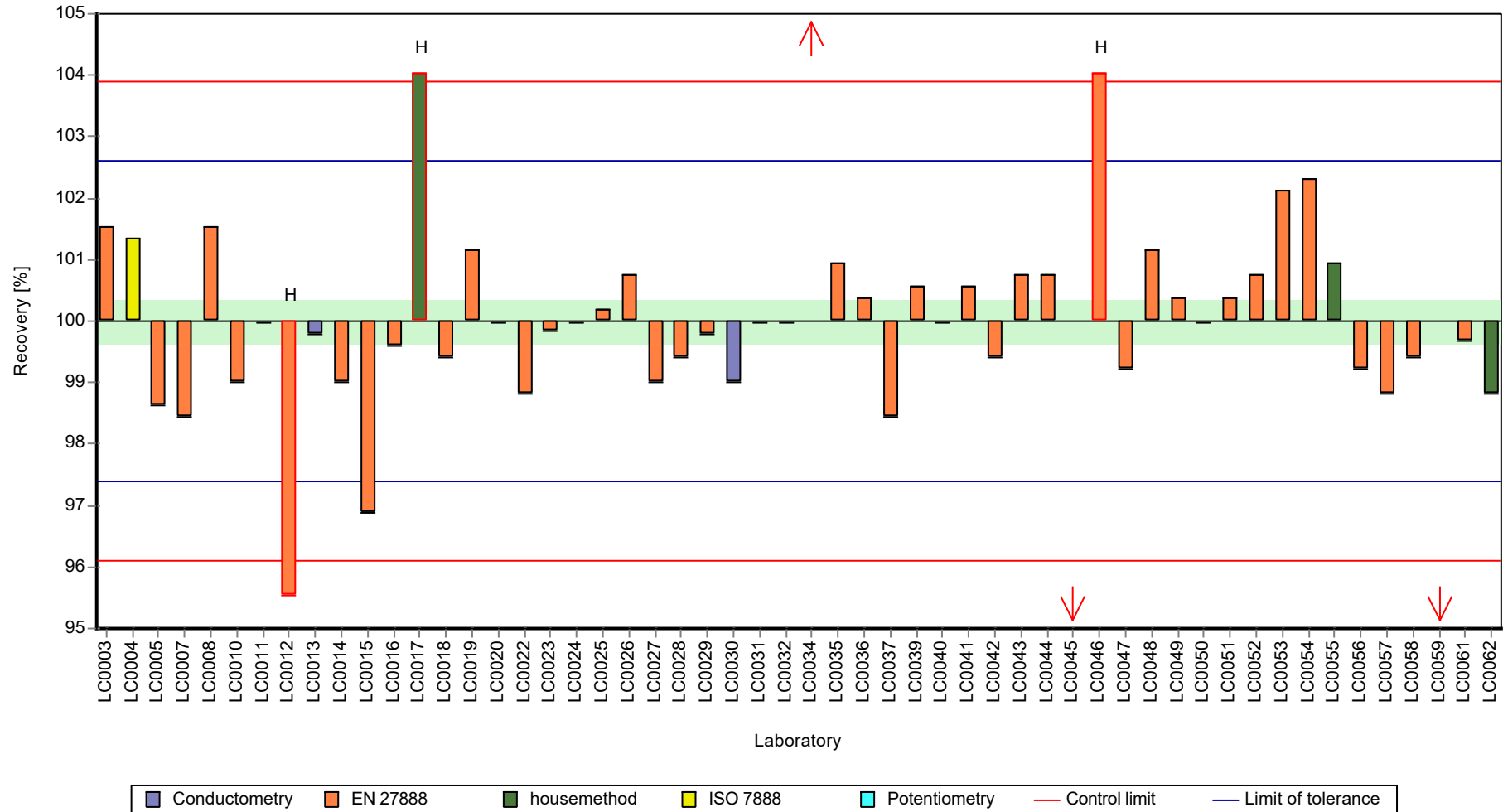
	all results	without outliers	Unit
Mean ± CI (99%)	517 ± 4.16	517 ± 2.34	µS/cm
Minimum	490	501	µS/cm
Maximum	553	529	µS/cm
Standard deviation	10.2	5.41	µS/cm
rel. standard deviation	1.97	1.05	%
n	54	48	-

Graphical presentation of results

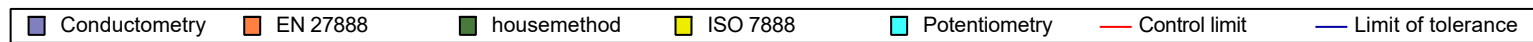
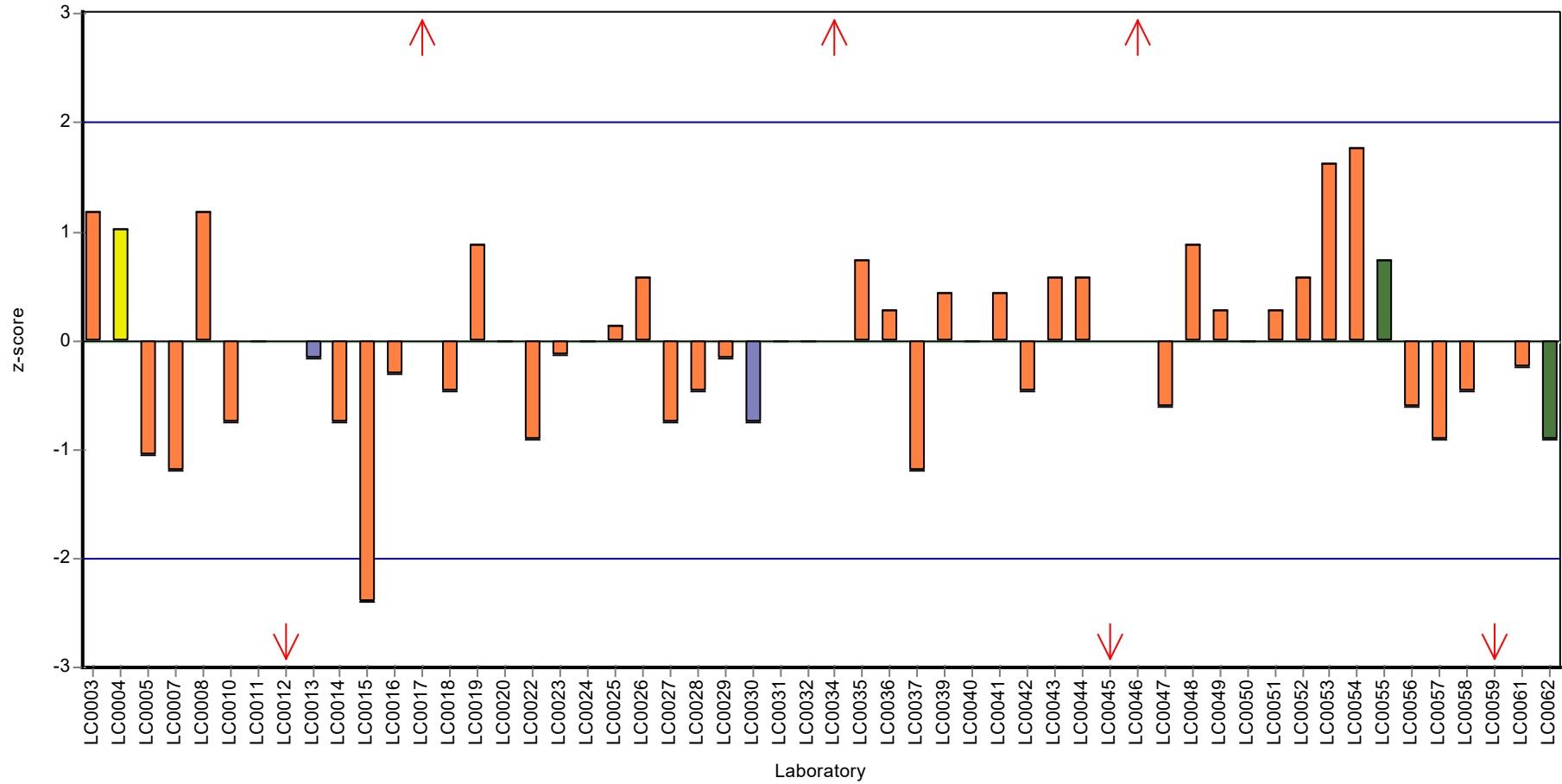
Results



Recovery rate



Z-score



Parameter oriented report

N155 A

Hydrogen carbonate

Unit	mg/l
Assigned value ± U (k=2)	442 ± 1.46
Criterion	8.84 (2 %)
Minimum - Maximum	433 - 451
Control test value ± U (k=2)	428 ± 17.1

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	-	-	-	-	
LC0004	443	18	100	0.11	
LC0005	436	0.577	98.6	-0.68	
LC0006	444.96	1.57	101	0.33	
LC0007	445	21	101	0.34	
LC0008	-	-	-	-	
LC0009	-	-	-	-	
LC0010	445	3	101	0.34	
LC0011	441	18	99.8	-0.12	
LC0012	434.8	3.1	98.4	-0.82	
LC0013	-	-	-	-	
LC0014	-	-	-	-	
LC0015	437	22	98.9	-0.57	
LC0016	436	21.8	98.6	-0.68	
LC0017	-	-	-	-	
LC0018	437	13	98.9	-0.57	
LC0019	-	-	-	-	
LC0020	386.23	10.12	87.4	-6.31	H
LC0021	-	-	-	-	
LC0022	444	23	100	0.22	
LC0023	-	-	-	-	
LC0024	-	-	-	-	
LC0025	444	18	100	0.22	
LC0026	-	-	-	-	
LC0027	437	131	98.9	-0.57	
LC0028	451	45	102	1.02	
LC0029	445	11.1	101	0.34	
LC0030	441	18	99.8	-0.12	
LC0031	444.3	40	101	0.26	
LC0032	433	10	98	-1.02	
LC0033	-	-	-	-	
LC0034	441.03	1	99.8	-0.11	
LC0035	441	8.82	99.8	-0.12	
LC0036	-	-	-	-	
LC0037	442.53	2.7	100	0.06	
LC0038	-	-	-	-	
LC0039	445.4	45	101	0.38	
LC0040	443	44.3	100	0.11	
LC0041	411.1	1.2	93	-3.5	H

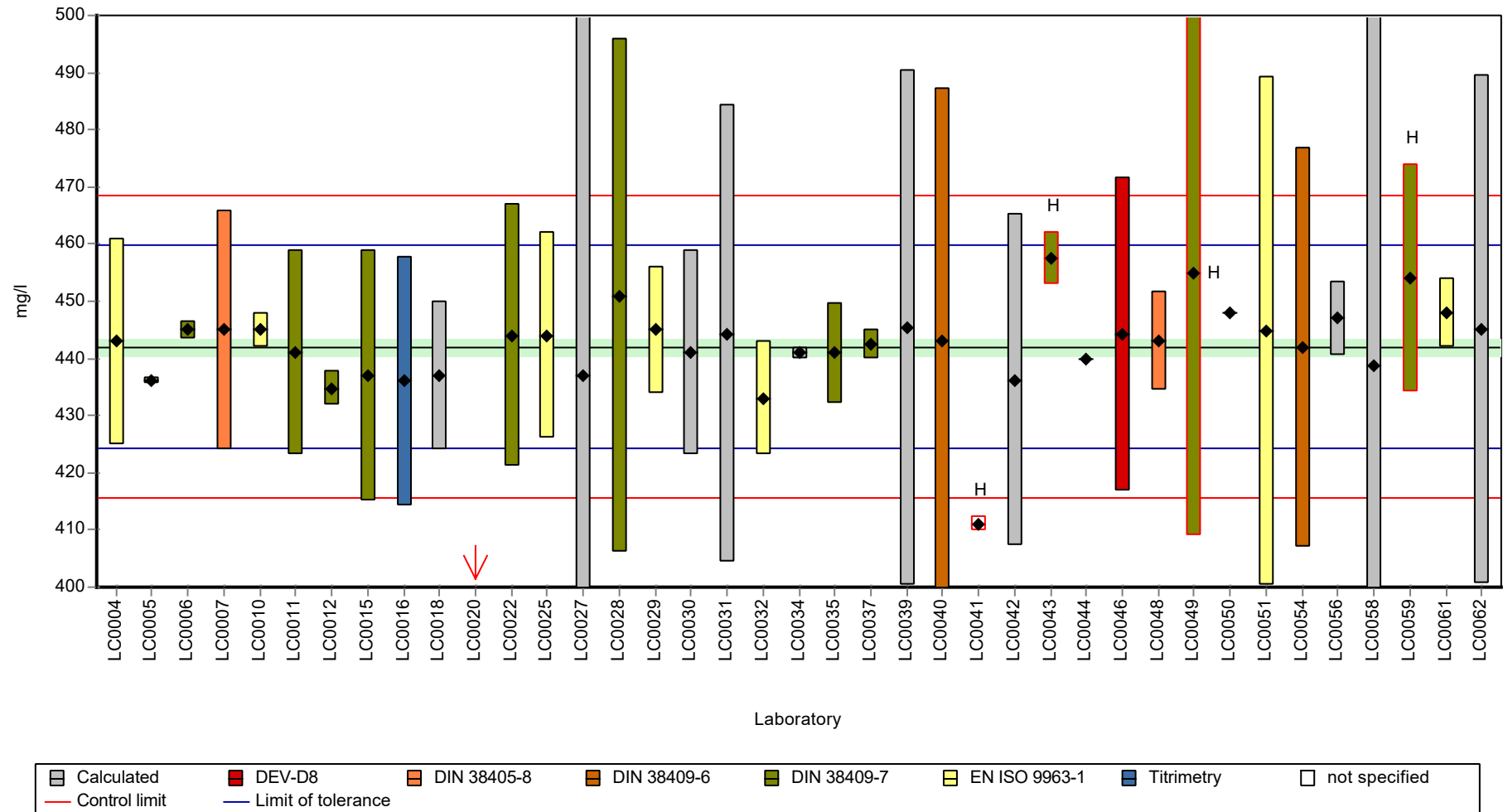
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	436.2	29.1	98.7	-0.66	
LC0043	457.63	4.6	104	1.77	H
LC0044	440	0.01	99.5	-0.23	
LC0045	-	-	-	-	
LC0046	444.2	27.54	100	0.25	
LC0047	-	-	-	-	
LC0048	443	8.64	100	0.11	
LC0049	455	46	103	1.47	H
LC0050	448	0.1	101	0.68	
LC0051	444.763	44.5	101	0.31	
LC0052	-	-	-	-	
LC0053	-	-	-	-	
LC0054	442	35	100	0.00	
LC0055	-	-	-	-	
LC0056	447	6.45	101	0.56	
LC0057	-	-	-	-	
LC0058	438.7	65.81	99.2	-0.38	
LC0059	454	20	103	1.35	H
LC0060	-	-	-	-	
LC0061	448	6.1	101	0.68	
LC0062	445	44.5	101	0.34	

Characteristics of parameter

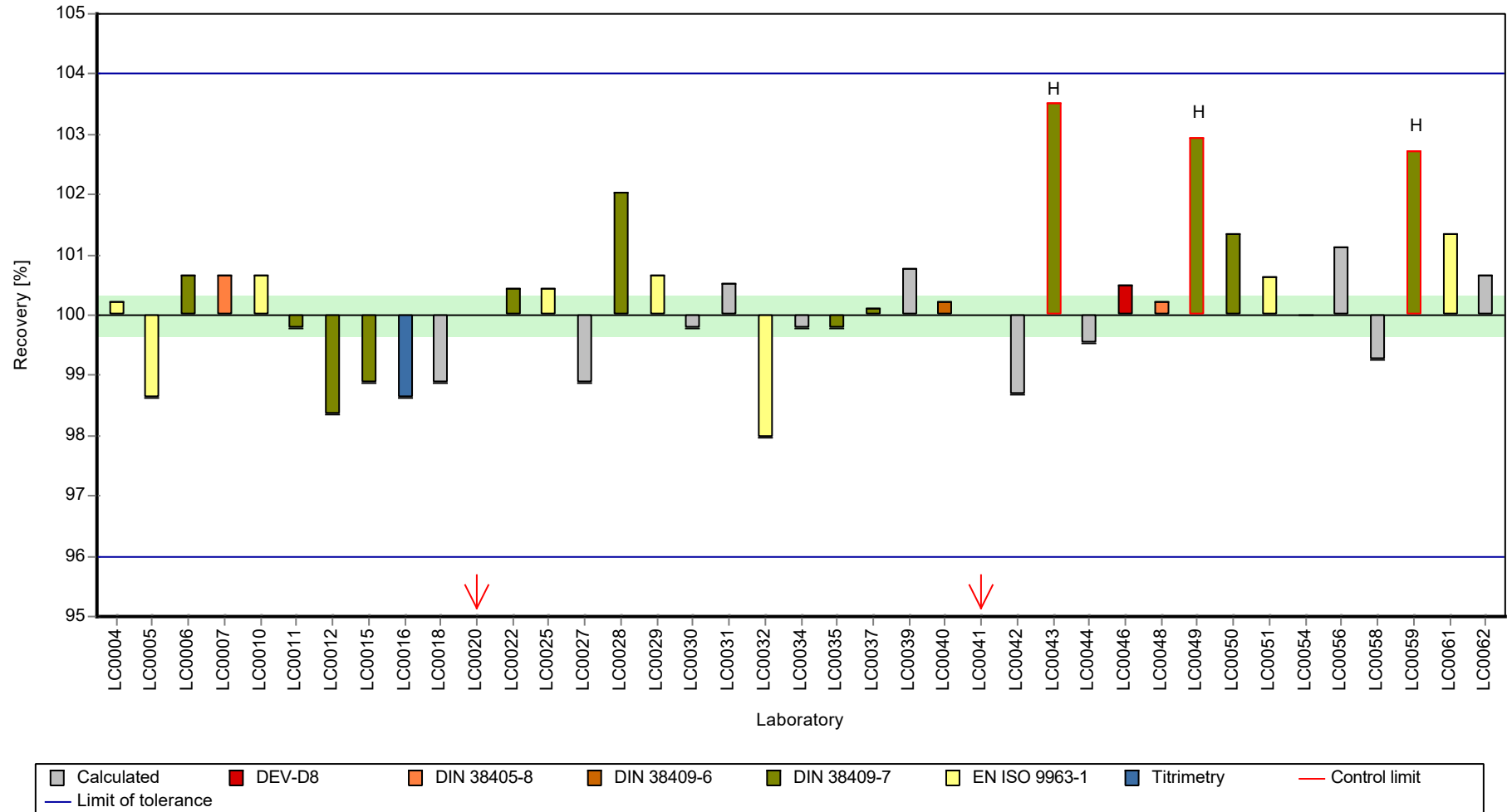
	all results	without outliers	Unit
Mean ± CI (99%)	441 ± 5.6	442 ± 2.19	mg/l
Minimum	386	433	mg/l
Maximum	458	451	mg/l
Standard deviation	11.7	4.25	mg/l
rel. standard deviation	2.64	0.961	%
n	39	34	-

Graphical presentation of results

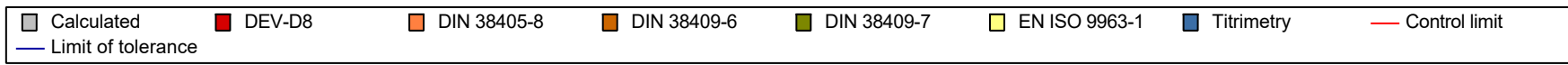
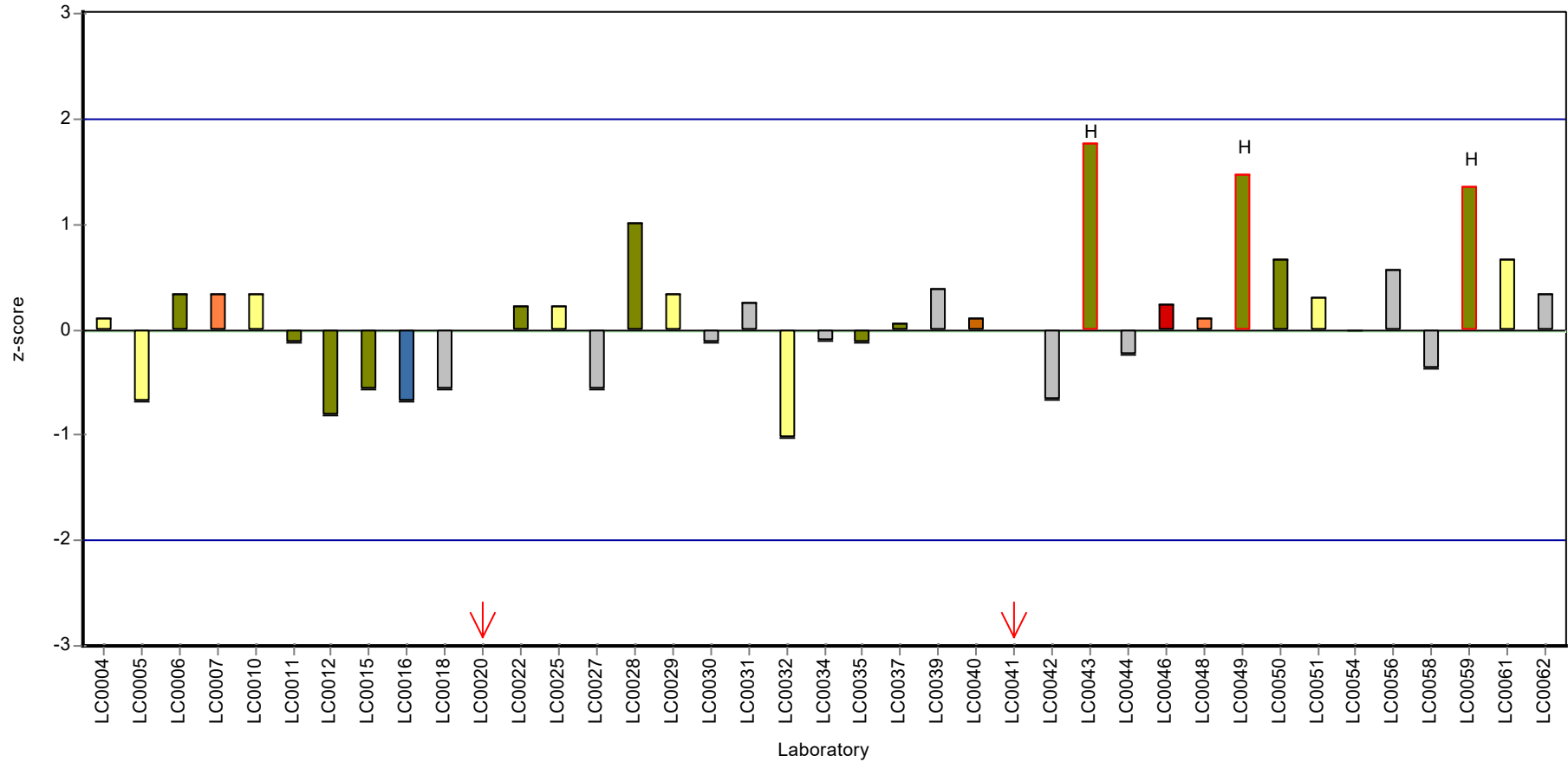
Results



Recovery rate



Z-score



Parameter oriented report

N155 B

Hydrogen carbonate

Unit	mg/l
Assigned value ± U (k=2)	189 ± 1.54
Criterion	3.78 (2 %)
Minimum - Maximum	180 - 200
Control test value ± U (k=2)	178 ± 7.13

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	-	-	-	-	
LC0004	189	7.76	100	-0.01	
LC0005	185	0.577	97.9	-1.07	
LC0006	190.81	1.52	101	0.47	
LC0007	191	9.2	101	0.52	
LC0008	-	-	-	-	
LC0009	-	-	-	-	
LC0010	190	3	101	0.26	
LC0011	187	8	98.9	-0.54	
LC0012	183.7	5.7	97.2	-1.41	
LC0013	-	-	-	-	
LC0014	-	-	-	-	
LC0015	10.9	9	5.8	-47.1	H
LC0016	187	9.35	98.9	-0.54	
LC0017	-	-	-	-	
LC0018	190	5.7	101	0.26	
LC0019	-	-	-	-	
LC0020	160.68	6.35	85	-7.5	H
LC0021	-	-	-	-	
LC0022	192	10	102	0.79	
LC0023	-	-	-	-	
LC0024	-	-	-	-	
LC0025	188	8	99.5	-0.27	
LC0026	-	-	-	-	
LC0027	183	55	96.8	-1.6	
LC0028	193	19	102	1.05	
LC0029	188	4.7	99.5	-0.27	
LC0030	187	7.5	98.9	-0.54	
LC0031	187.9	16.9	99.4	-0.3	
LC0032	180	4	95.2	-2.39	
LC0033	-	-	-	-	
LC0034	191.5	1	101	0.65	
LC0035	185	3.71	97.9	-1.07	
LC0036	-	-	-	-	
LC0037	188.63	1.1	99.8	-0.11	
LC0038	-	-	-	-	
LC0039	189.8	19	100	0.2	
LC0040	186	18.6	98.4	-0.8	
LC0041	171.3	0.8	90.6	-4.69	H

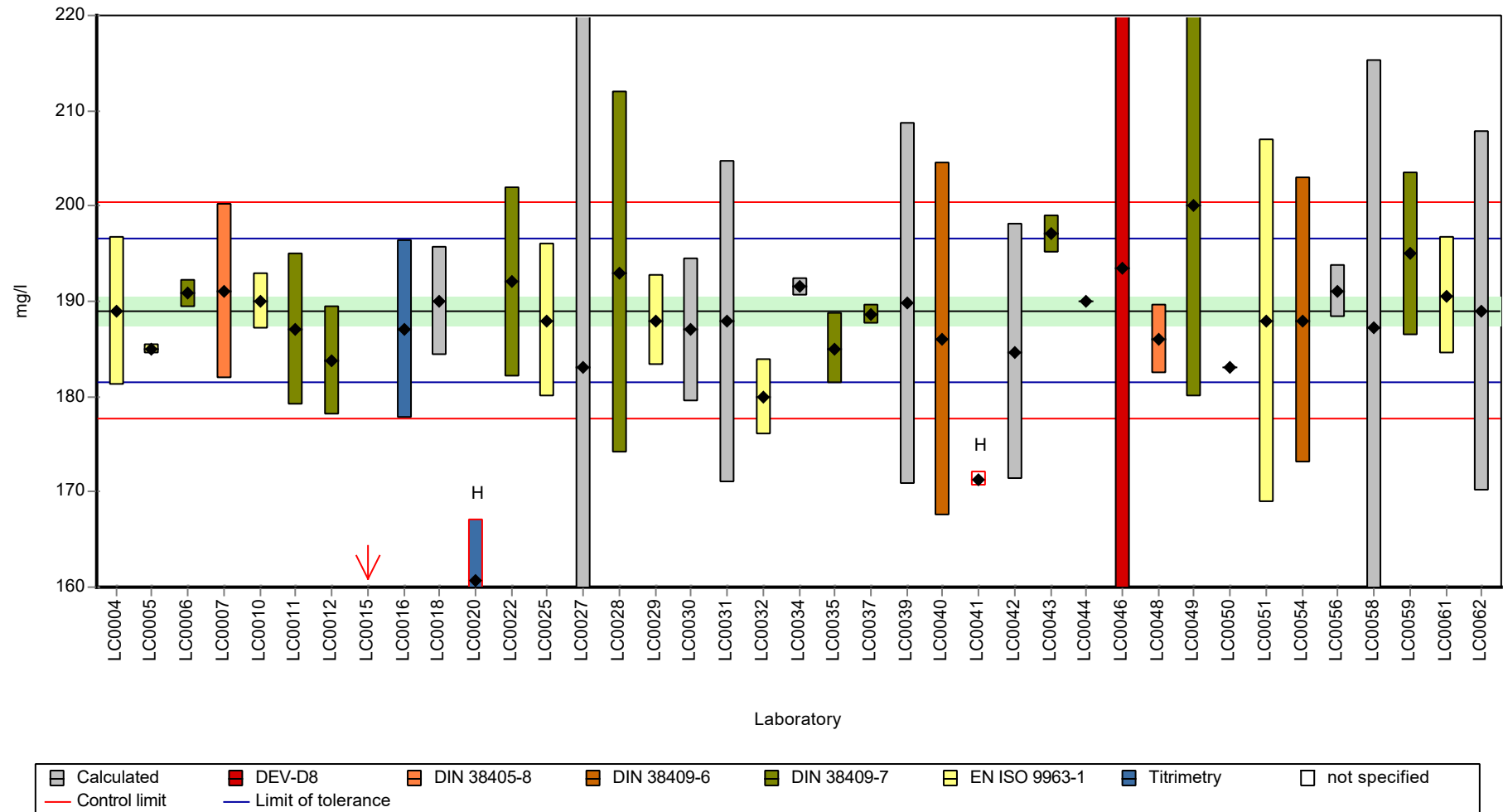
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	184.7	13.4	97.7	-1.15	
LC0043	197.03	2	104	2.12	
LC0044	190	0.01	101	0.26	
LC0045	-	-	-	-	
LC0046	193.4	611.99	102	1.16	
LC0047	-	-	-	-	
LC0048	186	3.63	98.4	-0.8	
LC0049	200	20	106	2.9	
LC0050	183	0.1	96.8	-1.6	
LC0051	187.911	19	99.4	-0.3	
LC0052	-	-	-	-	
LC0053	-	-	-	-	
LC0054	188	15	99.5	-0.27	
LC0055	-	-	-	-	
LC0056	191	2.76	101	0.52	
LC0057	-	-	-	-	
LC0058	187.3	28.1	99.1	-0.46	
LC0059	195	8.58	103	1.58	
LC0060	-	-	-	-	
LC0061	190.6	6.1	101	0.41	
LC0062	189	18.9	100	-0.01	

Characteristics of parameter

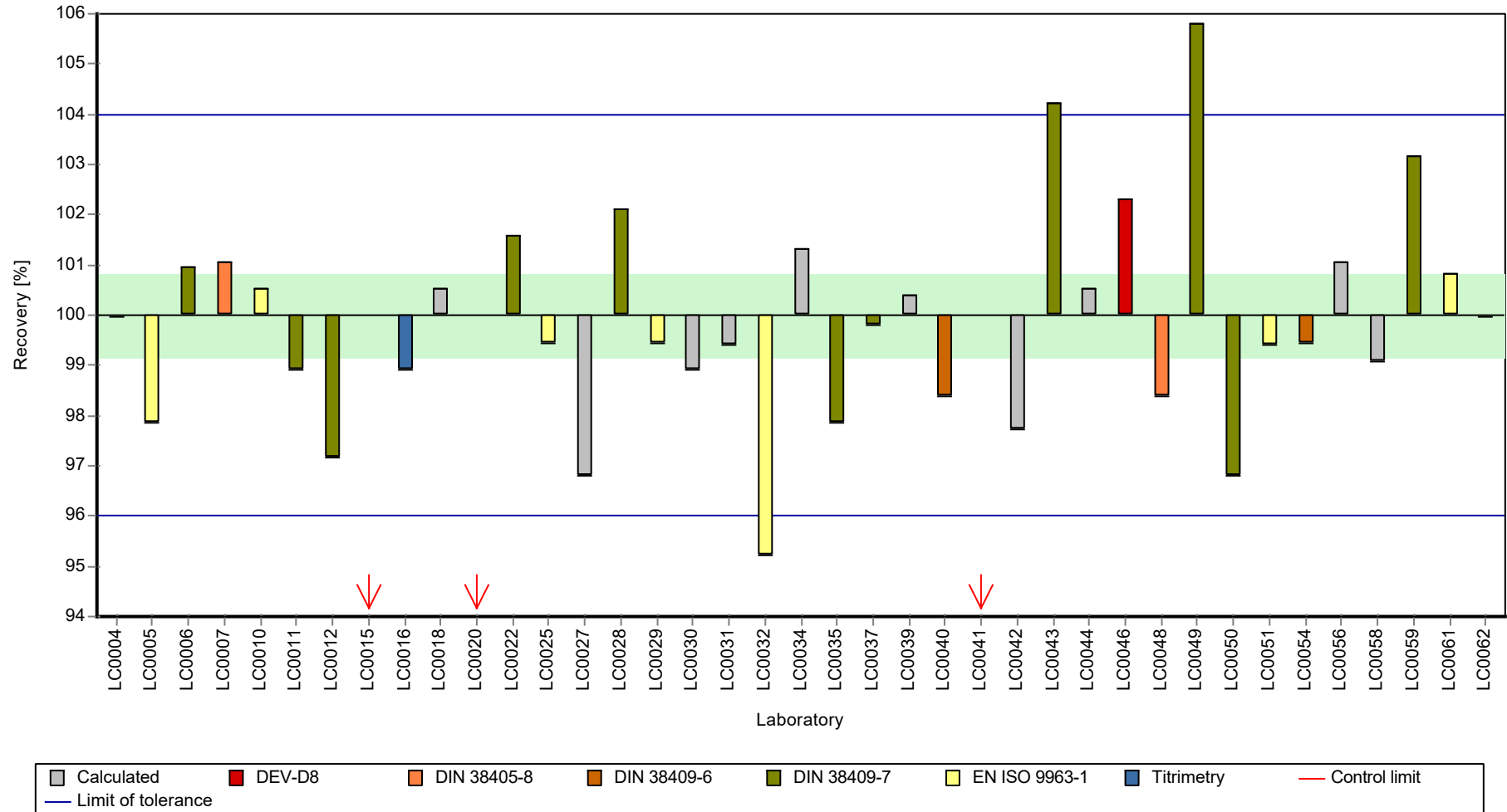
	all results	without outliers	Unit
Mean ± CI (99%)	183 ± 13.9	189 ± 2	mg/l
Minimum	10.9	180	mg/l
Maximum	200	200	mg/l
Standard deviation	29	3.99	mg/l
rel. standard deviation	15.9	2.12	%
n	39	36	-

Graphical presentation of results

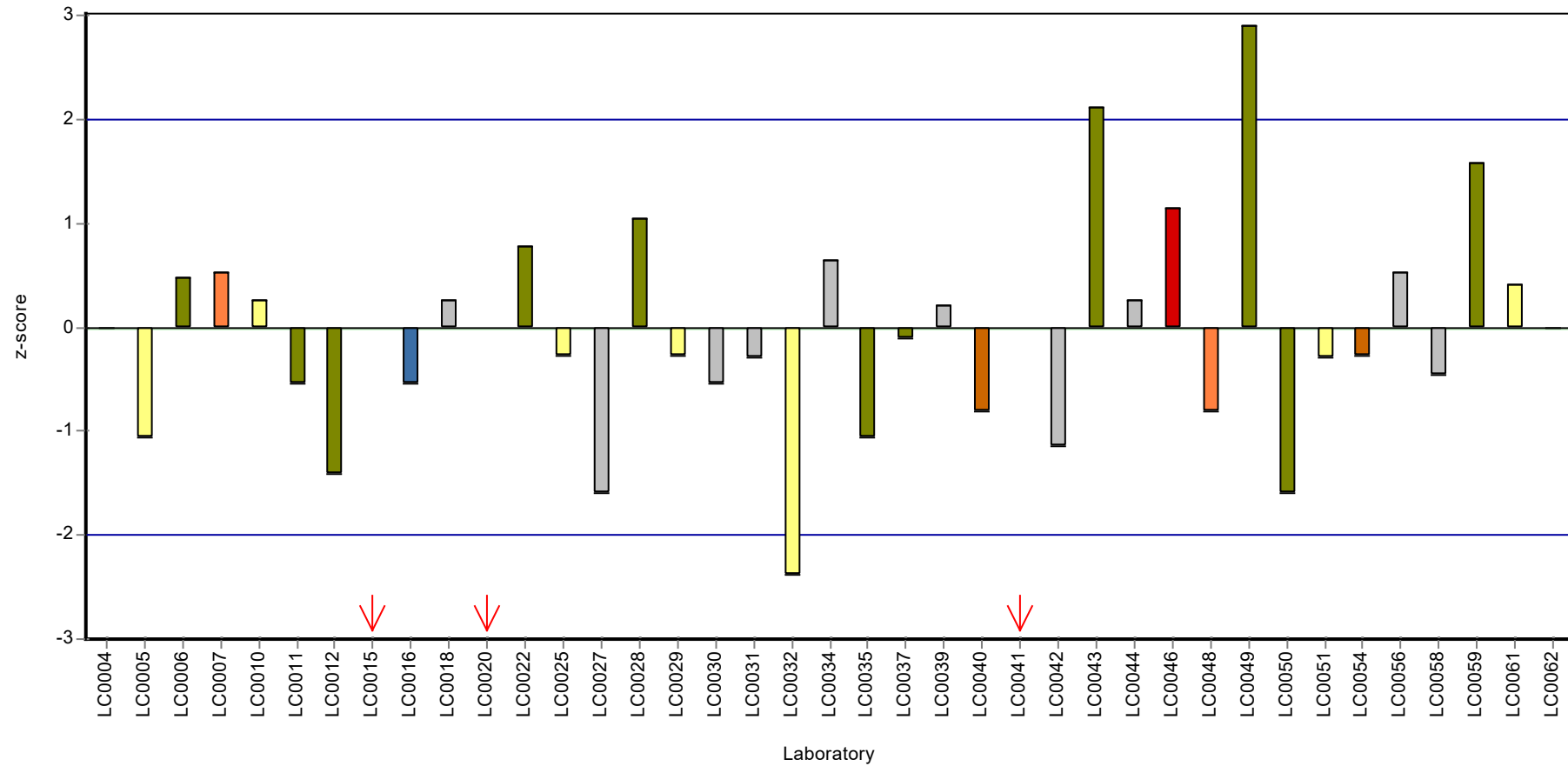
Results



Recovery rate



Z-score



Parameter oriented report

N155 A

Magnesium

Unit	mg/l
Assigned value ± U (k=2)	36.2 ± 0.459
Criterion	1.45 (4 %)
Minimum - Maximum	33 - 39.1
Control test value ± U (k=2)	35.9 ± 2.15

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	34.8	0.2	96.2	-0.96	
LC0002	-	-	-	-	
LC0003	-	-	-	-	
LC0004	37.6	4.1	104	0.98	
LC0005	36.4	0.595	101	0.15	
LC0006	-	-	-	-	
LC0007	34.1	2.8	94.2	-1.44	
LC0008	-	-	-	-	
LC0009	-	-	-	-	
LC0010	35.7	1.8	98.7	-0.34	
LC0011	36.8	3.7	102	0.42	
LC0012	37.2	5.5	103	0.7	
LC0013	36.2	0.2	100	0.01	
LC0014	-	-	-	-	
LC0015	34.5	7	95.3	-1.17	
LC0016	35.1	2.8	97	-0.75	
LC0017	-	-	-	-	
LC0018	33.7	1	93.1	-1.72	
LC0019	-	-	-	-	
LC0020	32.97	1.02	91.1	-2.22	
LC0021	-	-	-	-	
LC0022	35.5	1.8	98.1	-0.47	
LC0023	38.551	5.78	107	1.63	
LC0024	38.2	2.7	106	1.39	
LC0025	36.5	5	101	0.22	
LC0026	-	-	-	-	
LC0027	35.8	10.7	98.9	-0.27	
LC0028	33.3	5	92	-1.99	
LC0029	36.5	3.65	101	0.22	
LC0030	35.4	6.4	97.8	-0.54	
LC0031	35.8	3.58	98.9	-0.27	
LC0032	37	2	102	0.56	
LC0033	-	-	-	-	
LC0034	34.6	1	95.6	-1.1	
LC0035	36.6	1.03	101	0.28	
LC0036	-	-	-	-	
LC0037	37.76	2	104	1.09	
LC0038	-	-	-	-	
LC0039	36.9	7.4	102	0.49	
LC0040	38.2	4.58	106	1.39	
LC0041	41.5	0.5	115	3.67	H

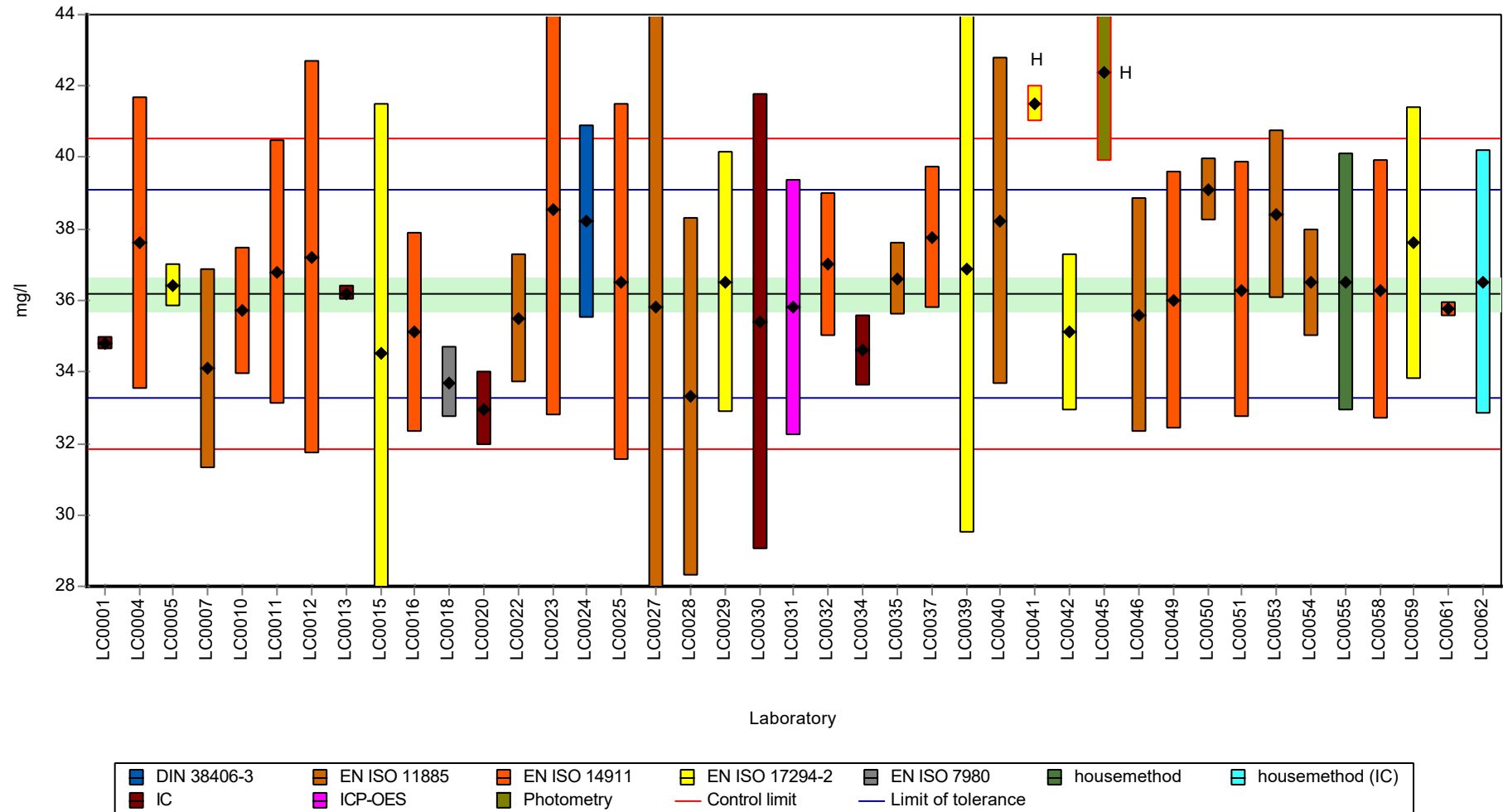
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	35.1	2.2	97	-0.75	
LC0043	-	-	-	-	
LC0044	-	-	-	-	
LC0045	42.4	2.5	117	4.29	H
LC0046	35.6	3.28	98.4	-0.41	
LC0047	-	-	-	-	
LC0048	-	-	-	-	
LC0049	36	3.6	99.5	-0.13	
LC0050	39.1	0.89	108	2.01	
LC0051	36.296	3.6	100	0.08	
LC0052	-	-	-	-	
LC0053	38.4	2.36	106	1.53	
LC0054	36.5	1.5	101	0.22	
LC0055	36.5	3.6	101	0.22	
LC0056	-	-	-	-	
LC0057	-	-	-	-	
LC0058	36.28	3.628	100	0.06	
LC0059	37.6	3.8	104	0.98	
LC0060	-	-	-	-	
LC0061	35.75	0.2	98.8	-0.3	
LC0062	36.5	3.7	101	0.22	

Characteristics of parameter

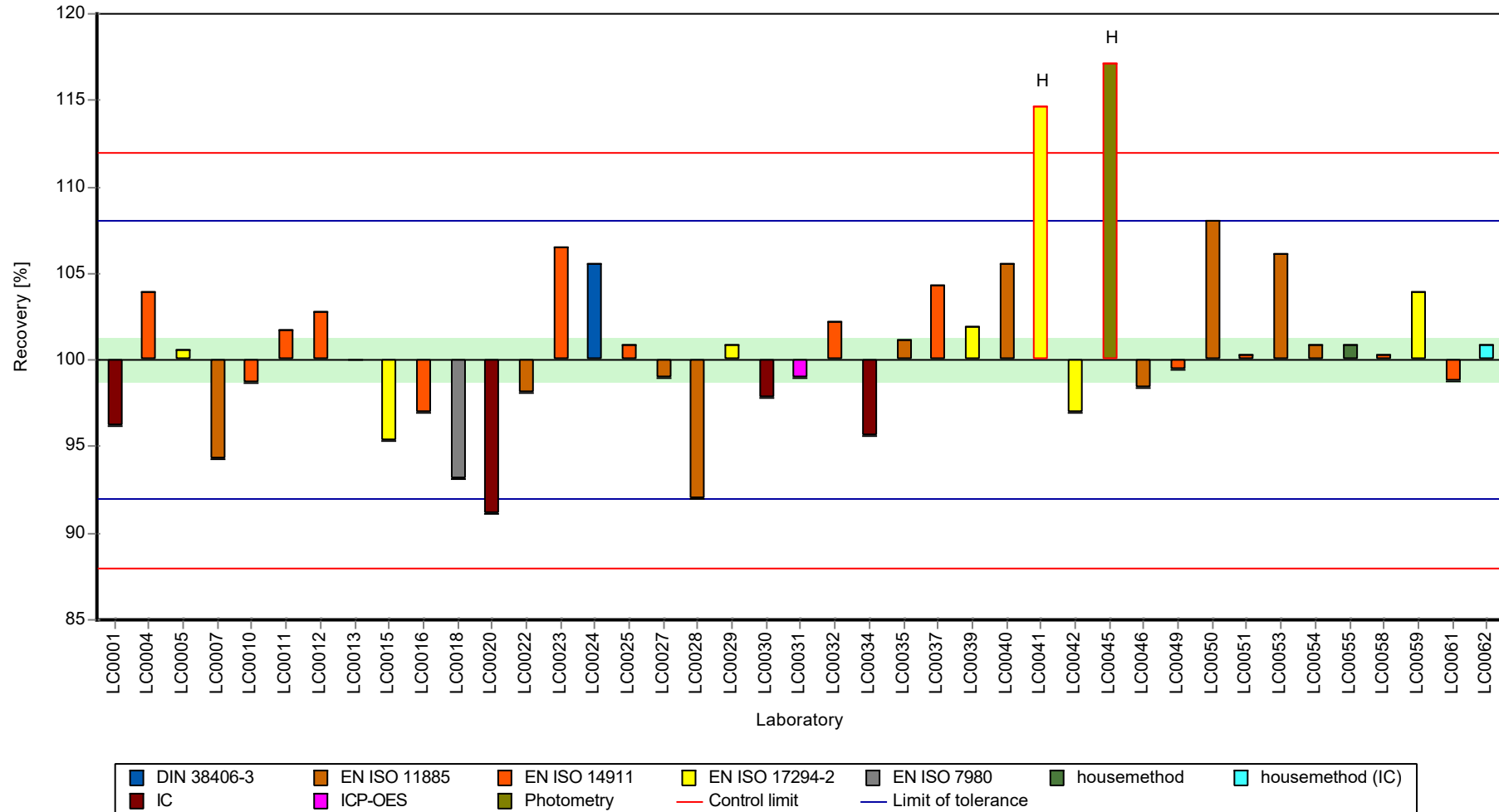
	all results	without outliers	Unit
Mean ± CI (99%)	36.5 ± 0.881	36.2 ± 0.688	mg/l
Minimum	33	33	mg/l
Maximum	42.4	39.1	mg/l
Standard deviation	1.88	1.43	mg/l
rel. standard deviation	5.16	3.96	%
n	41	39	-

Graphical presentation of results

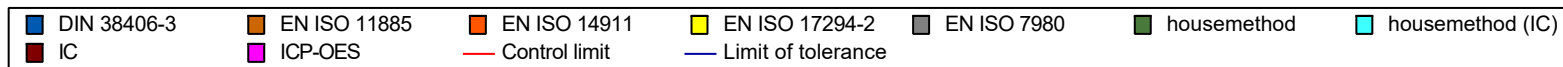
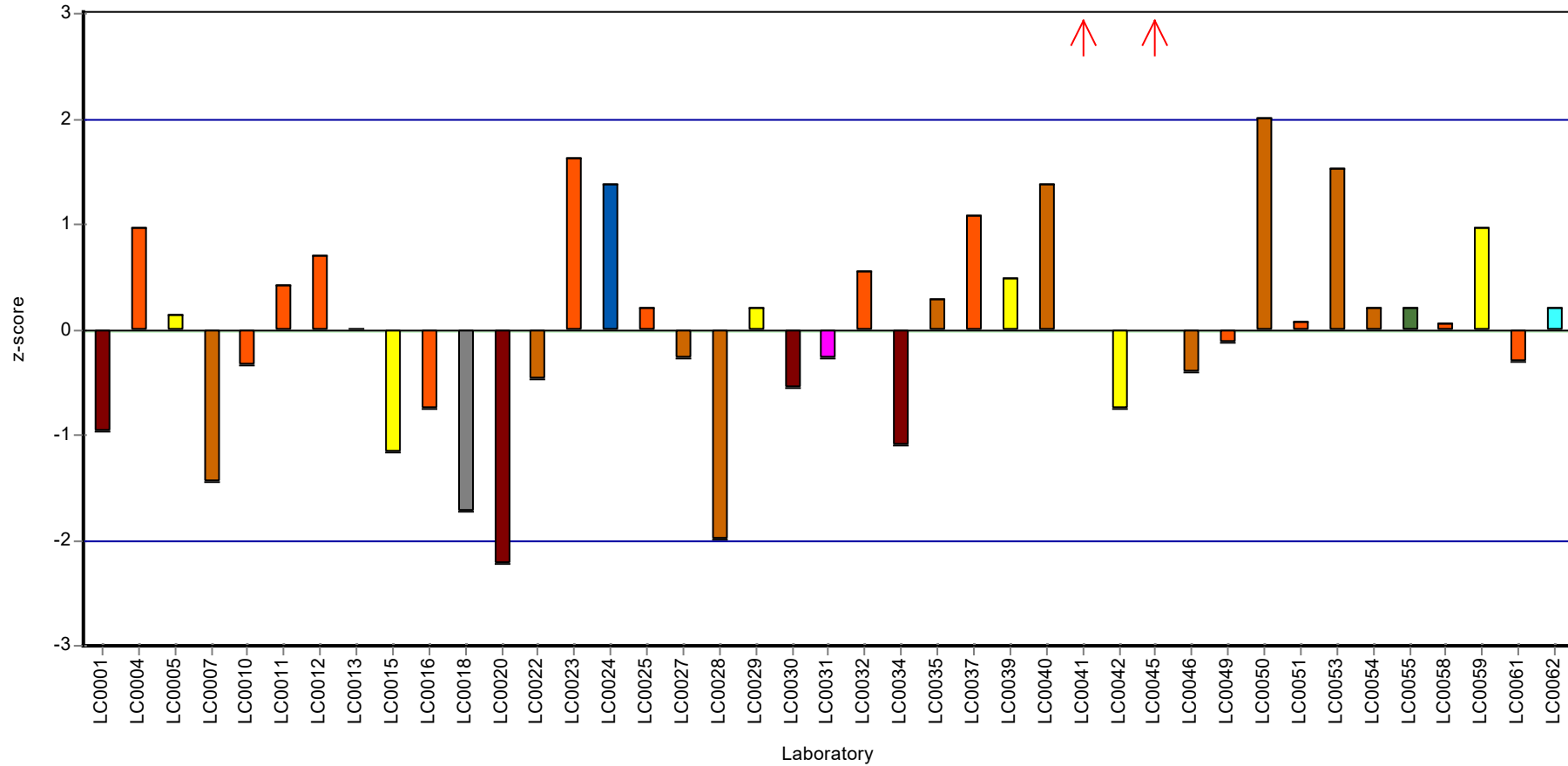
Results



Recovery rate



Z-score



Parameter oriented report

N155 B

Magnesium

Unit	mg/l
Assigned value ± U (k=2)	12.5 ± 0.185
Criterion	0.501 (4 %)
Minimum - Maximum	11.3 - 14.3
Control test value ± U (k=2)	12.3 ± 0.741

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	11.8	0.3	94.2	-1.44	
LC0002	-	-	-	-	
LC0003	-	-	-	-	
LC0004	12.8	1.4	102	0.56	
LC0005	12.6	0.318	101	0.15	
LC0006	-	-	-	-	
LC0007	11.7	0.97	93.4	-1.64	
LC0008	-	-	-	-	
LC0009	-	-	-	-	
LC0010	11.8	0.6	94.2	-1.44	
LC0011	12.6	1.3	101	0.15	
LC0012	12.6	1.9	101	0.15	
LC0013	12.6	0.16	101	0.15	
LC0014	-	-	-	-	
LC0015	12	2.4	95.8	-1.04	
LC0016	12.2	0.976	97.4	-0.64	
LC0017	-	-	-	-	
LC0018	11.7	0.35	93.4	-1.64	
LC0019	-	-	-	-	
LC0020	11.97	0.13	95.6	-1.1	
LC0021	-	-	-	-	
LC0022	12.6	0.7	101	0.15	
LC0023	13.15	1.98	105	1.25	
LC0024	12.9	0.93	103	0.75	
LC0025	12.7	1.6	101	0.35	
LC0026	-	-	-	-	
LC0027	12.4	3.7	99	-0.24	
LC0028	11.3	1.7	90.2	-2.44	
LC0029	13	1.3	104	0.95	
LC0030	12.1	2.2	96.6	-0.84	
LC0031	13.2	1.32	105	1.35	
LC0032	13	1	104	0.95	
LC0033	-	-	-	-	
LC0034	12	1	95.8	-1.04	
LC0035	11.9	1.19	95	-1.24	
LC0036	-	-	-	-	
LC0037	14.3	0.8	114	3.55	
LC0038	-	-	-	-	
LC0039	12.9	2.6	103	0.75	
LC0040	13	1.56	104	0.95	
LC0041	14.7	0.4	117	4.35	H

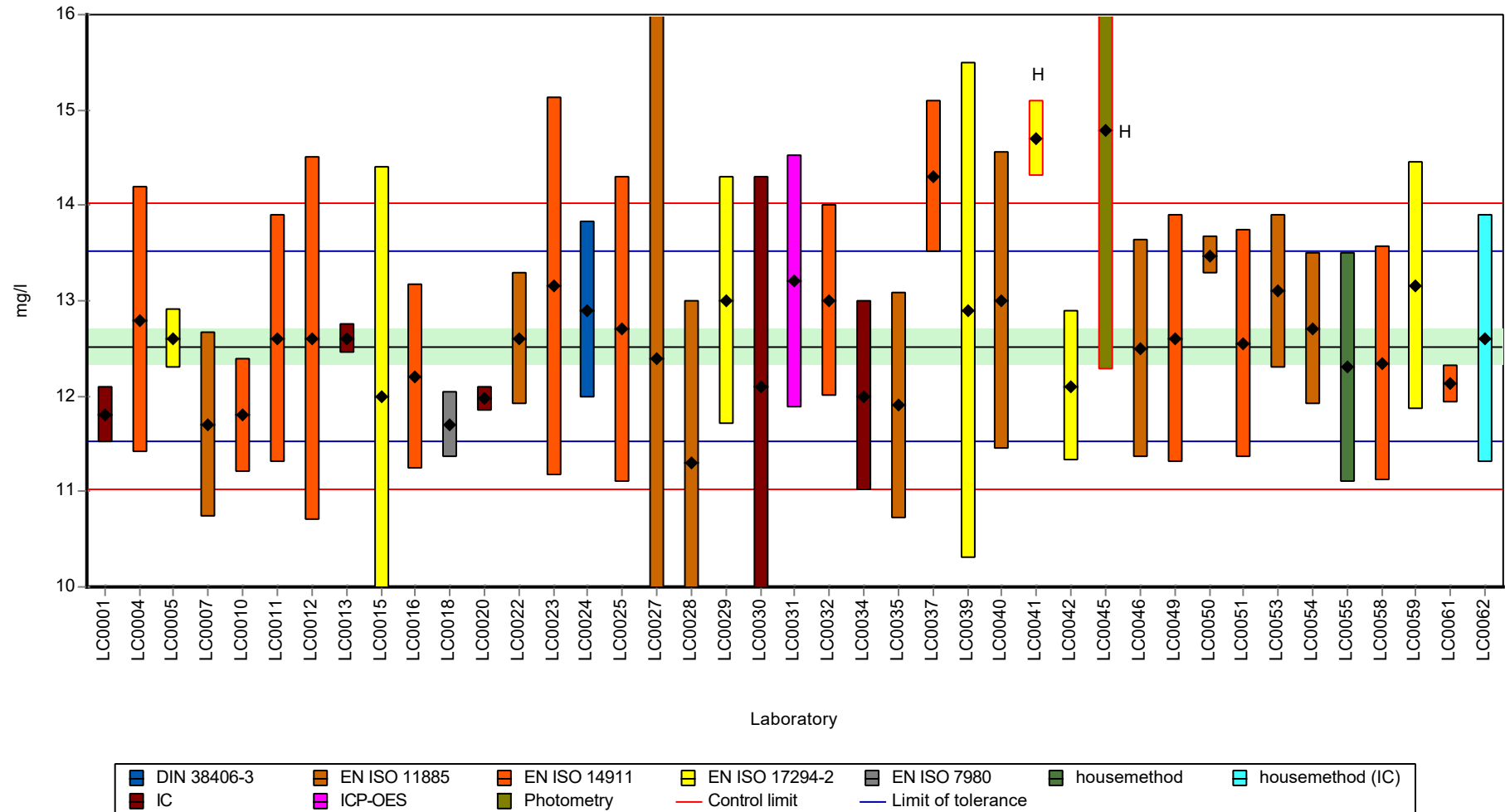
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	12.1	0.79	96.6	-0.84	
LC0043	-	-	-	-	
LC0044	-	-	-	-	
LC0045	14.78	2.5	118	4.51	H
LC0046	12.5	1.15	99.8	-0.04	
LC0047	-	-	-	-	
LC0048	-	-	-	-	
LC0049	12.6	1.3	101	0.15	
LC0050	13.47	0.2	108	1.89	
LC0051	12.553	1.2	100	0.06	
LC0052	-	-	-	-	
LC0053	13.1	0.804	105	1.15	
LC0054	12.7	0.8	101	0.35	
LC0055	12.3	1.2	98.2	-0.44	
LC0056	-	-	-	-	
LC0057	-	-	-	-	
LC0058	12.34	1.234	98.5	-0.36	
LC0059	13.15	1.3	105	1.25	
LC0060	-	-	-	-	
LC0061	12.13	0.2	96.9	-0.78	
LC0062	12.6	1.3	101	0.15	

Characteristics of parameter

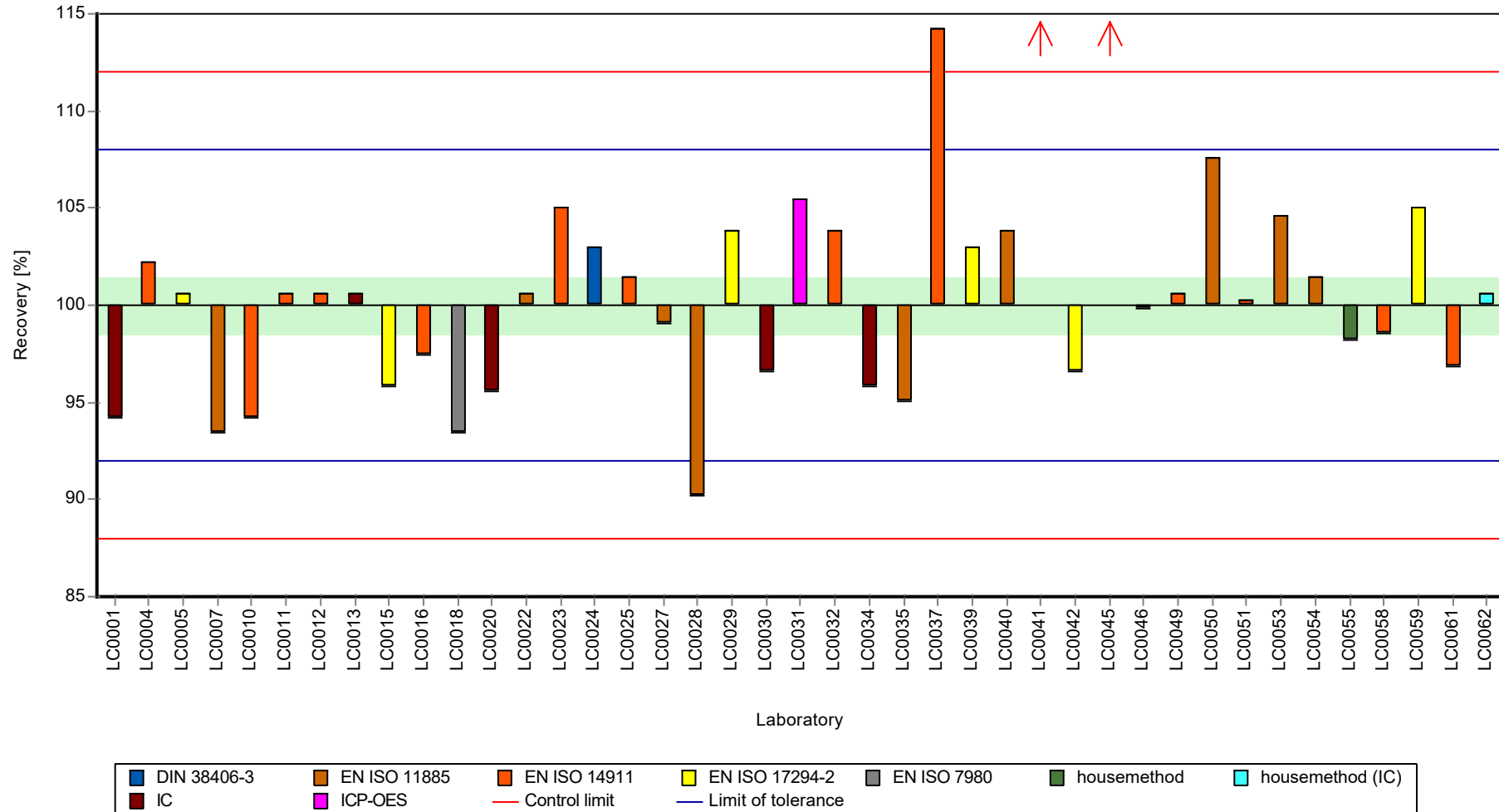
	all results	without outliers	Unit
Mean ± CI (99%)	12.6 ± 0.347	12.5 ± 0.277	mg/l
Minimum	11.3	11.3	mg/l
Maximum	14.8	14.3	mg/l
Standard deviation	0.742	0.577	mg/l
rel. standard deviation	5.87	4.6	%
n	41	39	-

Graphical presentation of results

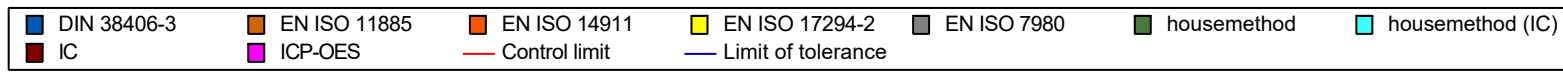
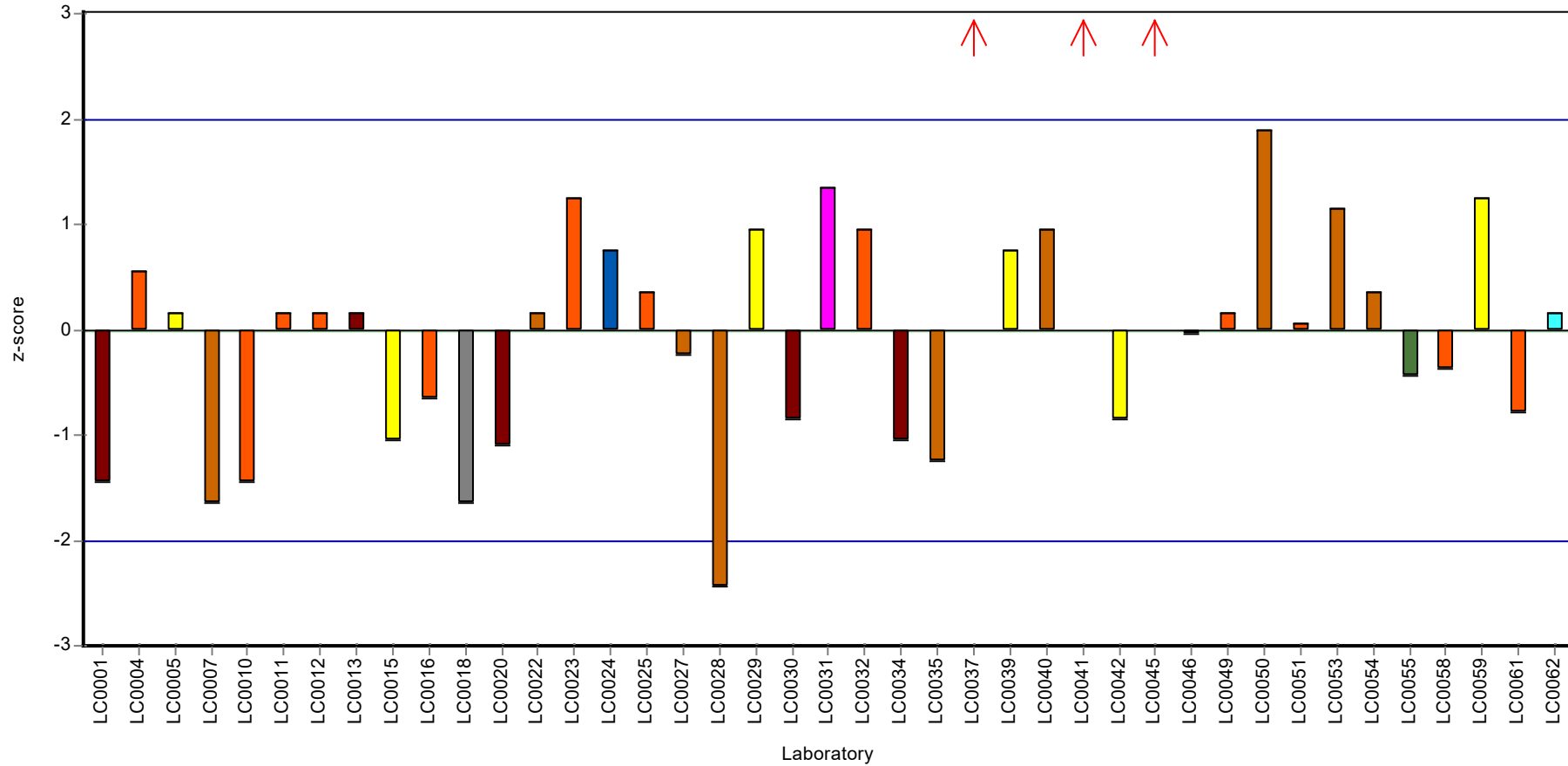
Results



Recovery rate



Z-score



Parameter oriented report

N155 A

Nitrate (as NO₃)

Unit	mg/l
Assigned value ± U (k=2)	10.7 ± 0.126
Criterion	0.537 (5 %)
Minimum - Maximum	9.6 - 11.5
Control test value ± U (k=2)	10.9 ± 0.543

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	10.3	0.2	95.9	-0.82	
LC0002	-	-	-	-	
LC0003	-	-	-	-	
LC0004	10.8	0.5	101	0.11	
LC0005	11.2	0.379	104	0.86	
LC0006	-	-	-	-	
LC0007	11	0.26	102	0.48	
LC0008	11.101	0.492	103	0.67	
LC0009	-	-	-	-	
LC0010	12.6	0.7	117	3.46	H
LC0011	10.3	1	95.9	-0.82	
LC0012	10.8	1.5	101	0.11	
LC0013	11.4	0.04	106	1.23	
LC0014	10.7	0.64	99.6	-0.07	
LC0015	11	1.7	102	0.48	
LC0016	11.03	0.441	103	0.54	
LC0017	-	-	-	-	
LC0018	10.8	0.32	101	0.11	
LC0019	11.2	0.67	104	0.86	
LC0020	10.07	0.42	93.8	-1.25	
LC0021	-	-	-	-	
LC0022	10.8	0.6	101	0.11	
LC0023	10.51	1.6	97.9	-0.43	
LC0024	9.79	0.75	91.2	-1.77	
LC0025	10.7	0.9	99.6	-0.07	
LC0026	-	-	-	-	
LC0027	10.7	0.9	99.6	-0.07	
LC0028	11	1.7	102	0.48	
LC0029	10.5	0.11	97.8	-0.45	
LC0030	10.3	0.93	95.9	-0.82	
LC0031	10.22	1.02	95.2	-0.97	
LC0032	11	1	102	0.48	
LC0033	-	-	-	-	
LC0034	10.5	1	97.8	-0.45	
LC0035	11	0.64	102	0.48	
LC0036	-	-	-	-	
LC0037	11.05	0.28	103	0.58	
LC0038	-	-	-	-	
LC0039	10.8	1.1	101	0.11	
LC0040	11.5	2.07	107	1.42	
LC0041	10.7	0.1	99.6	-0.07	

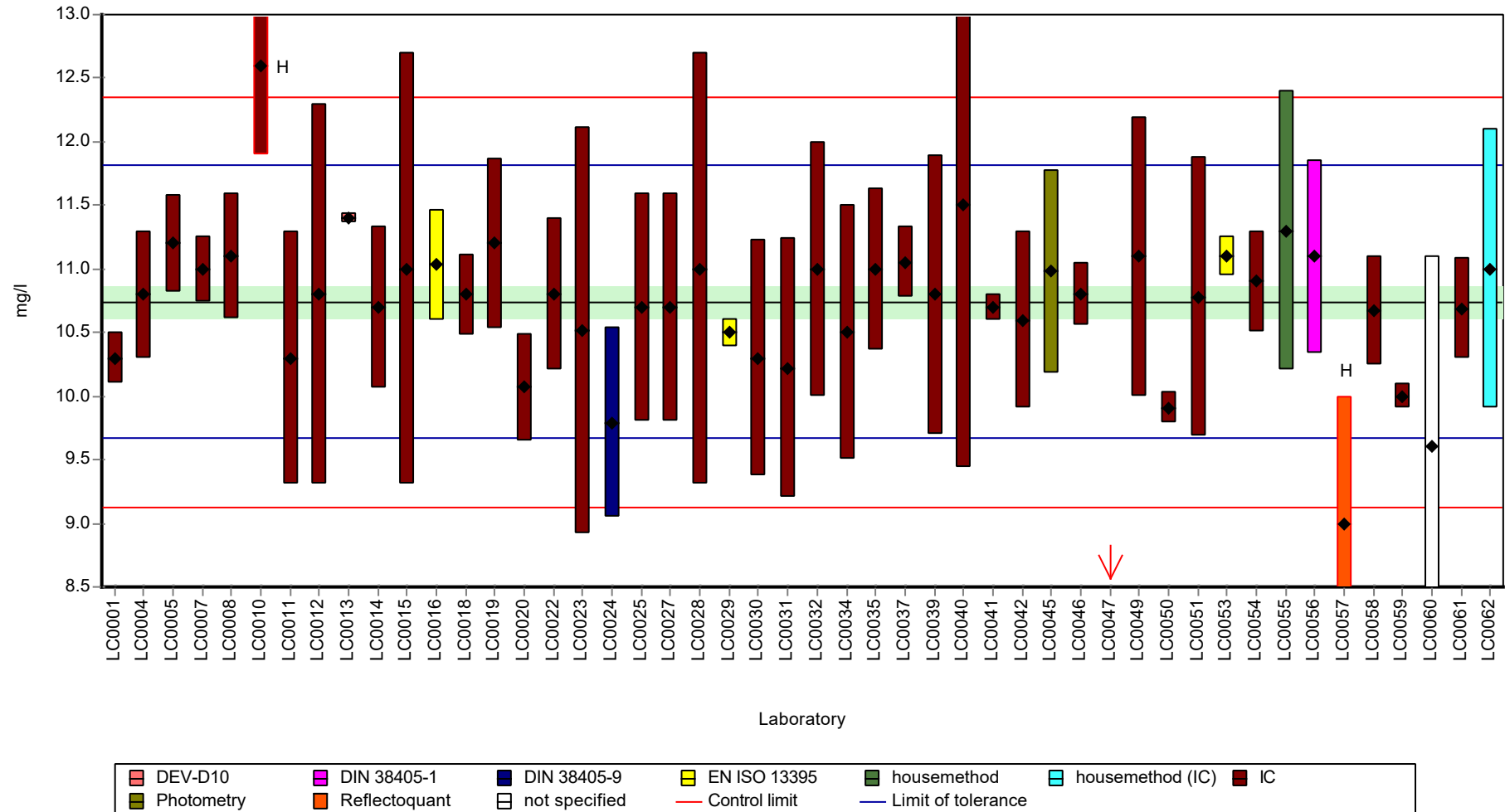
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	10.6	0.7	98.7	-0.26	
LC0043	-	-	-	-	
LC0044	-	-	-	-	
LC0045	10.98	0.8	102	0.45	
LC0046	10.8	0.25	101	0.11	
LC0047	2.52	0.13	23.5	-15.3	H
LC0048	-	-	-	-	
LC0049	11.1	1.1	103	0.67	
LC0050	9.91	0.12	92.3	-1.55	
LC0051	10.782	1.1	100	0.08	
LC0052	-	-	-	-	
LC0053	11.1	0.155	103	0.67	
LC0054	10.9	0.4	101	0.3	
LC0055	11.3	1.1	105	1.04	
LC0056	11.1	0.76	103	0.67	
LC0057	9	1	83.8	-3.24	H
LC0058	10.669	0.4267	99.3	-0.13	
LC0059	10	0.1	93.1	-1.38	
LC0060	9.6	1.5	89.4	-2.12	
LC0061	10.69	0.4	99.5	-0.09	
LC0062	11	1.1	102	0.48	

Characteristics of parameter

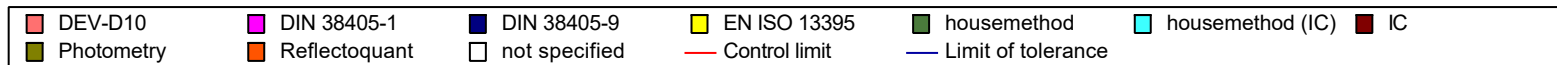
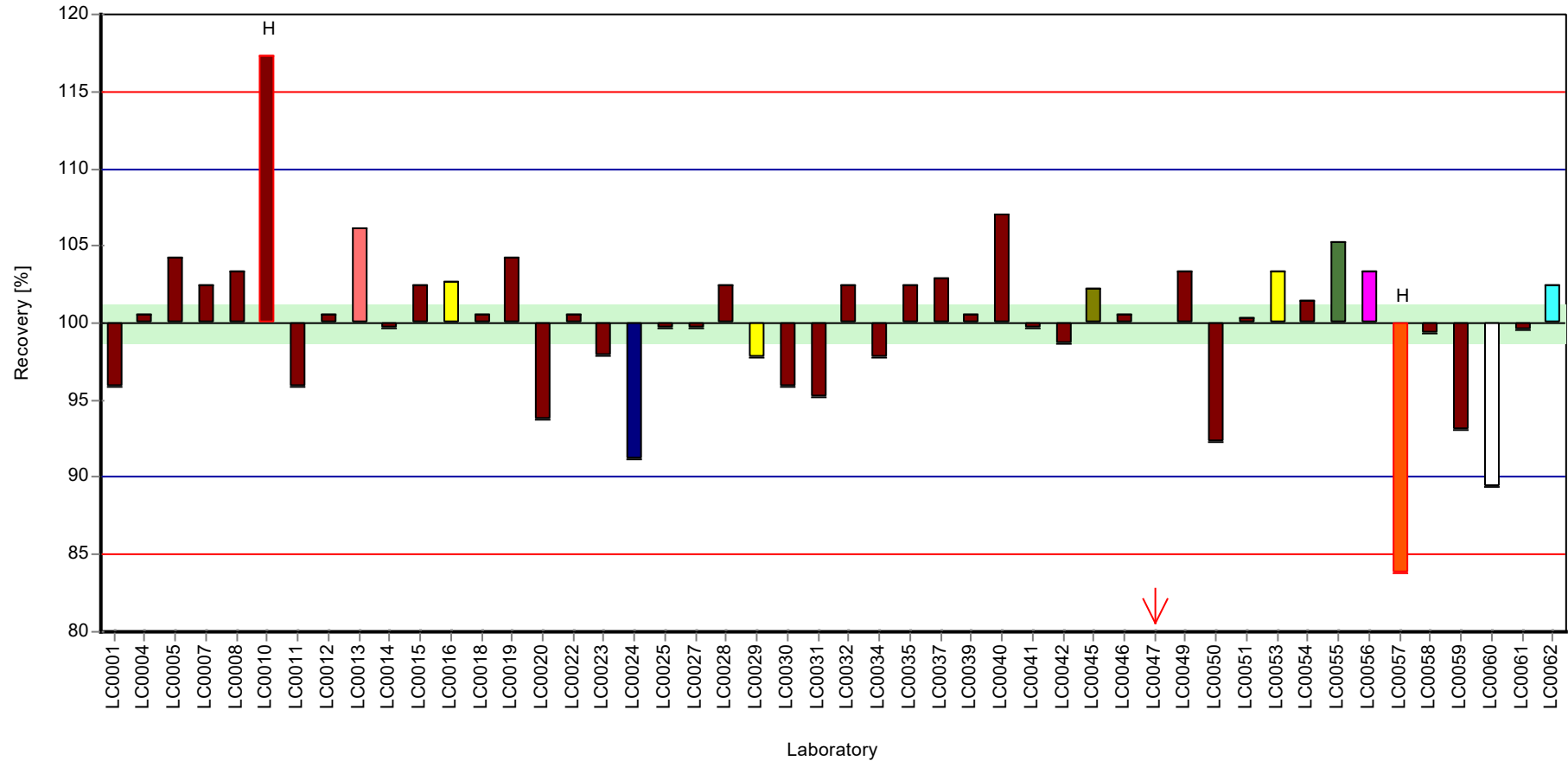
	all results	without outliers	Unit
Mean ± CI (99%)	10.6 ± 0.567	10.7 ± 0.19	mg/l
Minimum	2.52	9.6	mg/l
Maximum	12.6	11.5	mg/l
Standard deviation	1.31	0.424	mg/l
rel. standard deviation	12.4	3.95	%
n	48	45	-

Graphical presentation of results

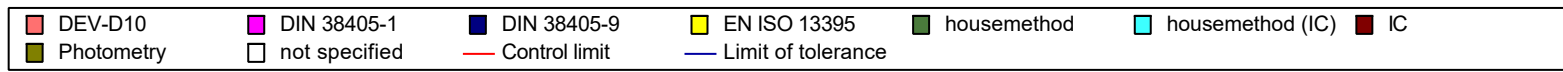
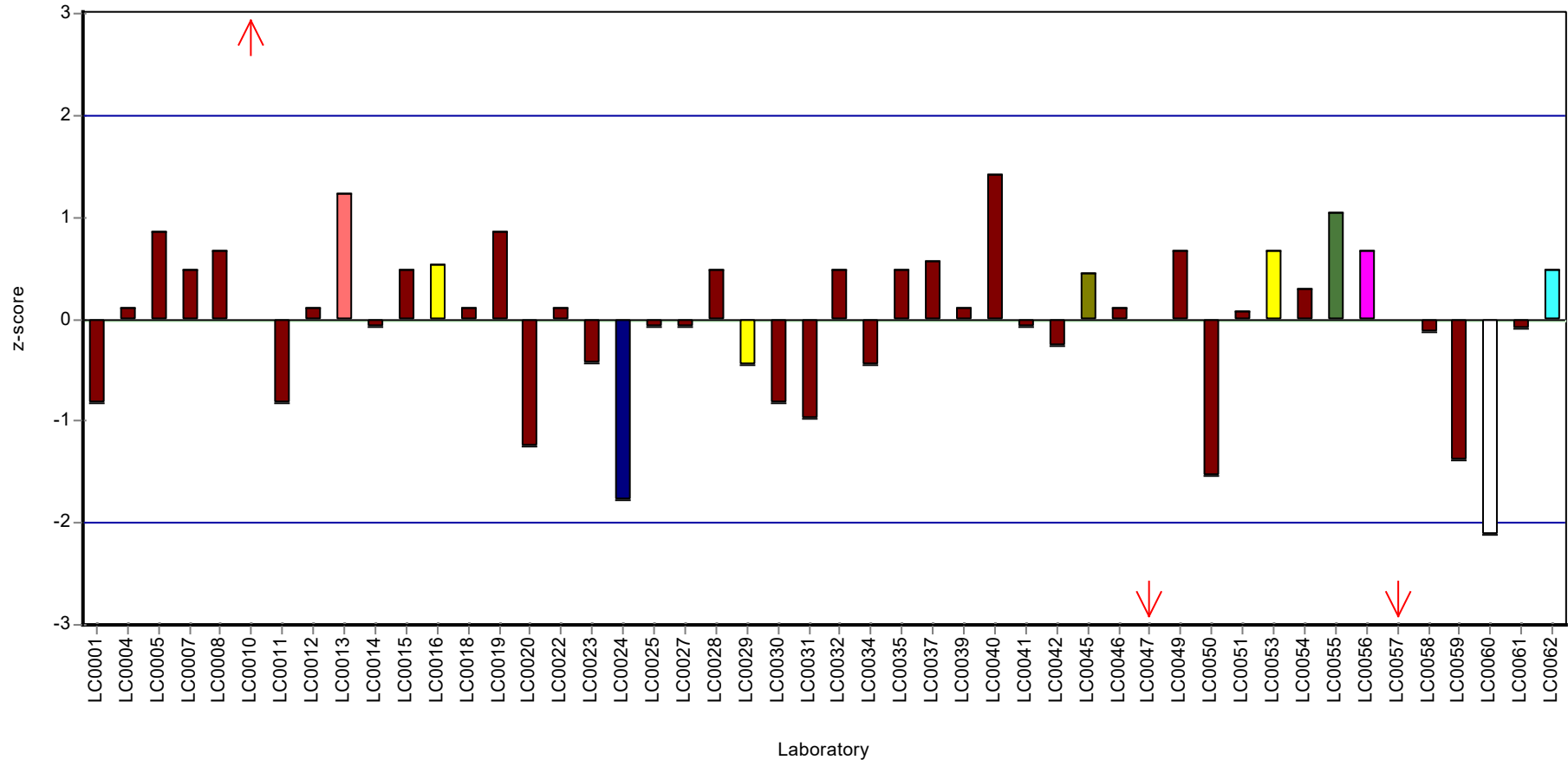
Results



Recovery rate



Z-score



Parameter oriented report

N155 B

Nitrate (as NO₃)

Unit	mg/l
Assigned value ± U (k=2)	20.1 ± 0.156
Criterion	1.01 (5 %)
Minimum - Maximum	18.9 - 21.1
Control test value ± U (k=2)	20.1 ± 1

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	19.6	0.3	97.4	-0.51	
LC0002	-	-	-	-	
LC0003	-	-	-	-	
LC0004	20.4	0.9	101	0.28	
LC0005	20.8	0.1	103	0.68	
LC0006	-	-	-	-	
LC0007	20.7	0.48	103	0.58	
LC0008	20.236	0.896	101	0.12	
LC0009	-	-	-	-	
LC0010	20.9	1.1	104	0.78	
LC0011	19.9	2	98.9	-0.21	
LC0012	20.3	2.8	101	0.18	
LC0013	20.9	0.09	104	0.78	
LC0014	20.2	1.21	100	0.09	
LC0015	20	3	99.4	-0.11	
LC0016	20.1	0.804	99.9	-0.01	
LC0017	-	-	-	-	
LC0018	19.2	0.58	95.5	-0.91	
LC0019	21.7	1.3	108	1.58	H
LC0020	21.05	1.61	105	0.93	
LC0021	-	-	-	-	
LC0022	20.1	1.1	99.9	-0.01	
LC0023	19.7	2.96	97.9	-0.41	
LC0024	18.9	2	94	-1.21	
LC0025	20	2	99.4	-0.11	
LC0026	-	-	-	-	
LC0027	20.4	1.6	101	0.28	
LC0028	20	3	99.4	-0.11	
LC0029	20.2	2	100	0.09	
LC0030	19.5	1.8	96.9	-0.61	
LC0031	19.3	1.93	96	-0.81	
LC0032	20	1	99.4	-0.11	
LC0033	-	-	-	-	
LC0034	20.1	1	99.9	-0.01	
LC0035	20.3	0.52	101	0.18	
LC0036	-	-	-	-	
LC0037	19.91	0.51	99	-0.2	
LC0038	-	-	-	-	
LC0039	20	2	99.4	-0.11	
LC0040	21.6	3.89	107	1.48	H
LC0041	20.5	0.1	102	0.38	

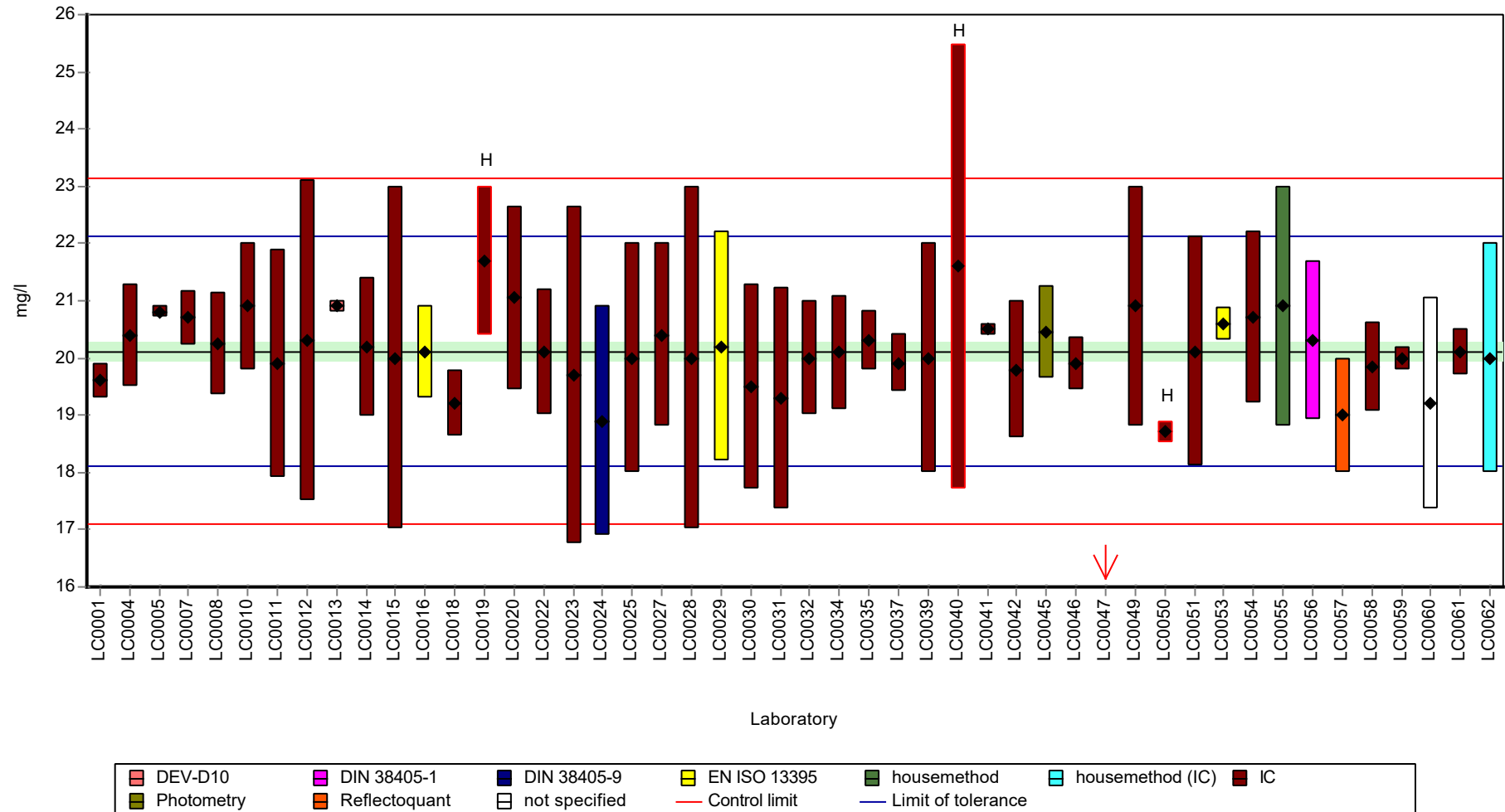
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	19.8	1.2	98.4	-0.31	
LC0043	-	-	-	-	
LC0044	-	-	-	-	
LC0045	20.45	0.8	102	0.33	
LC0046	19.9	0.46	98.9	-0.21	
LC0047	4.71	0.24	23.4	-15.3	H
LC0048	-	-	-	-	
LC0049	20.9	2.1	104	0.78	
LC0050	18.71	0.19	93	-1.4	H
LC0051	20.114	2	100	0	
LC0052	-	-	-	-	
LC0053	20.6	0.288	102	0.48	
LC0054	20.7	1.5	103	0.58	
LC0055	20.9	2.1	104	0.78	
LC0056	20.3	1.39	101	0.18	
LC0057	19	1	94.5	-1.11	
LC0058	19.845	0.7938	98.7	-0.27	
LC0059	20	0.2	99.4	-0.11	
LC0060	19.2	1.85	95.5	-0.91	
LC0061	20.1	0.4	99.9	-0.01	
LC0062	20	2	99.4	-0.11	

Characteristics of parameter

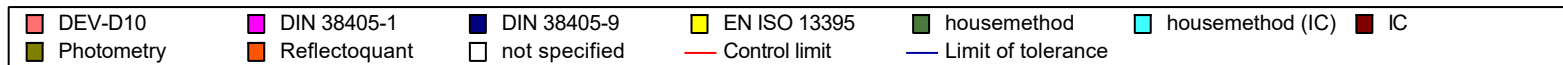
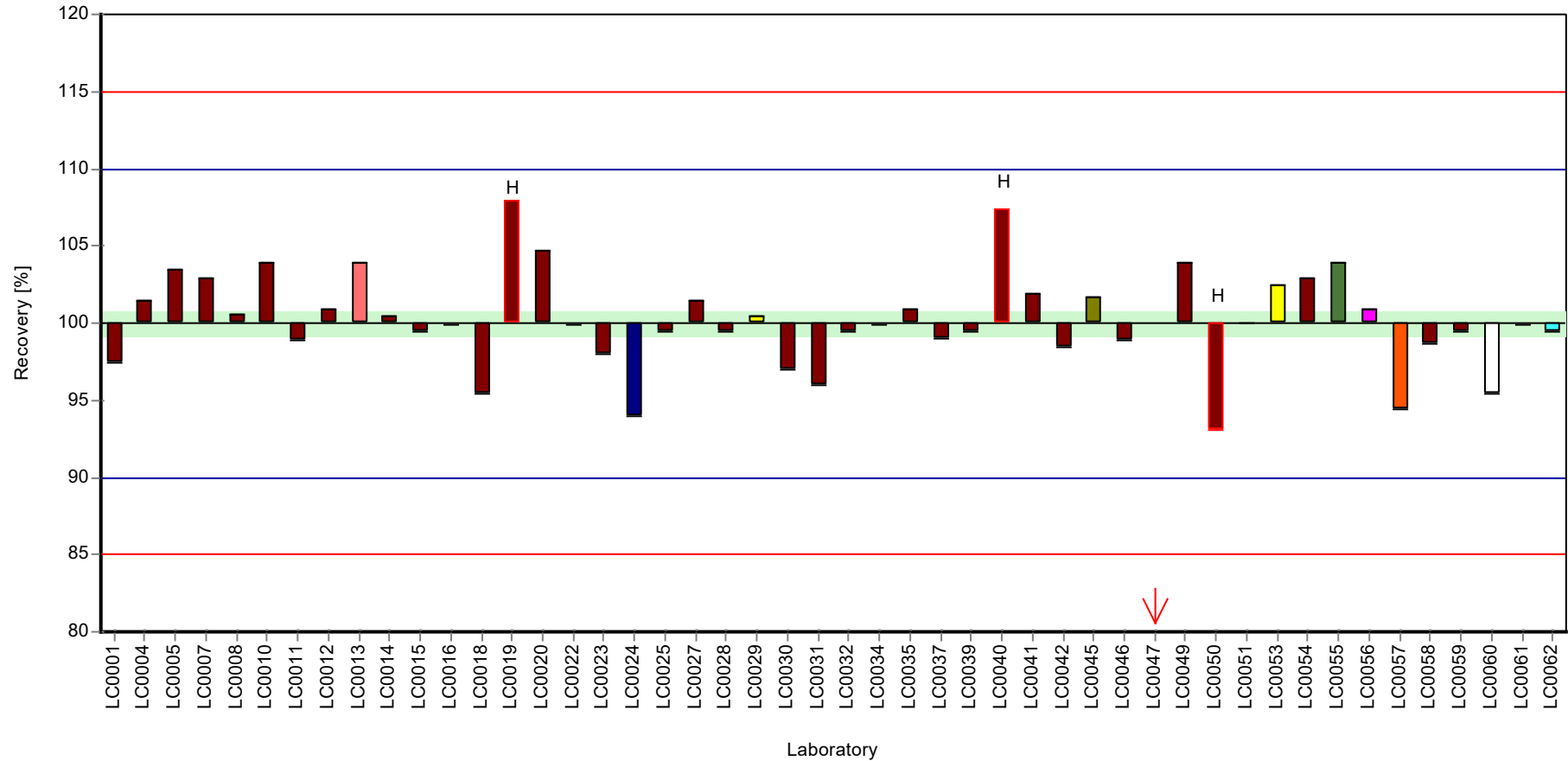
	all results	without outliers	Unit
Mean ± CI (99%)	19.8 ± 1	20.1 ± 0.234	mg/l
Minimum	4.71	18.9	mg/l
Maximum	21.7	21.1	mg/l
Standard deviation	2.31	0.518	mg/l
rel. standard deviation	11.7	2.58	%
n	48	44	-

Graphical presentation of results

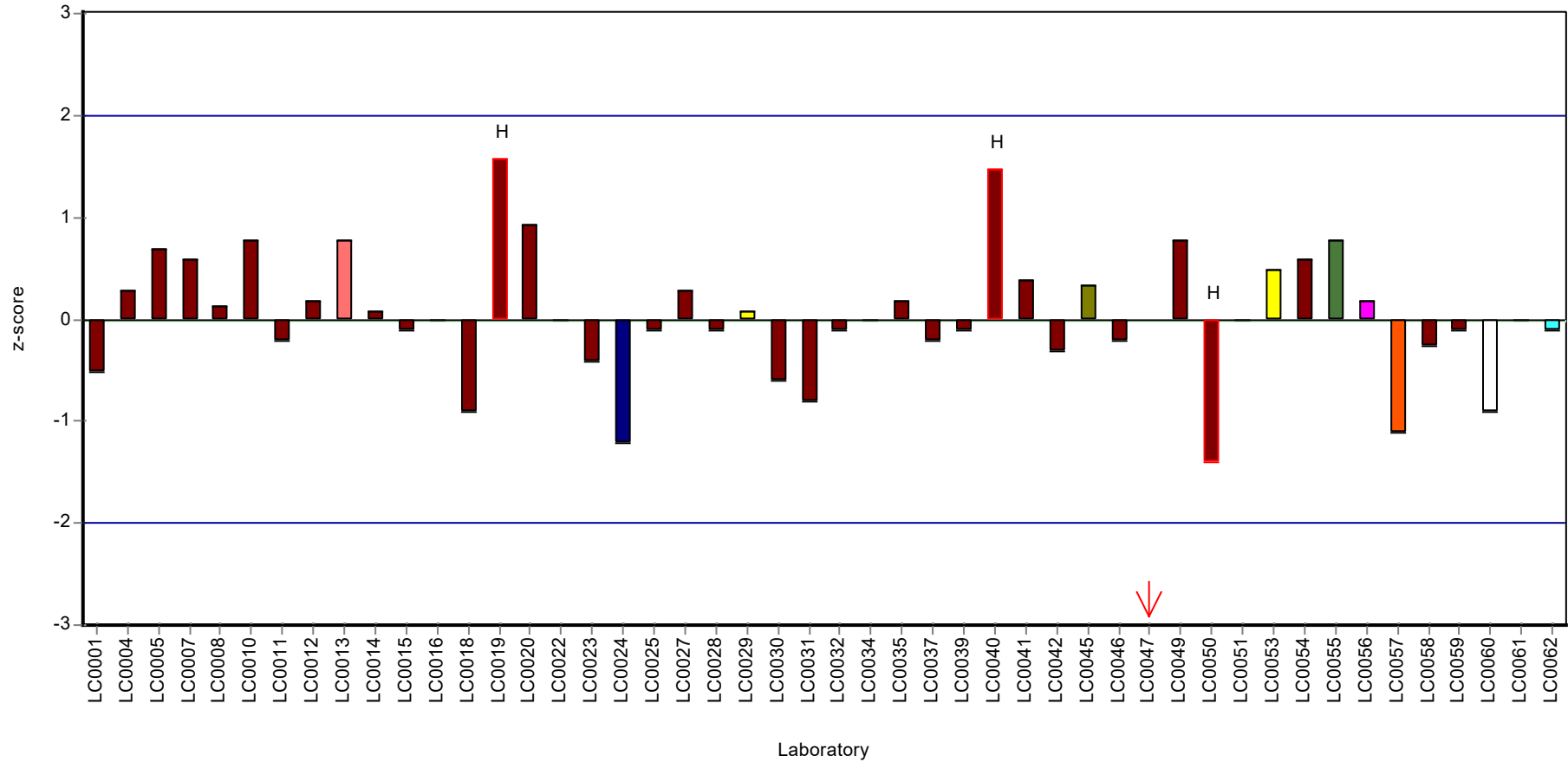
Results



Recovery rate



Z-score



Parameter oriented report

N155 A

Nitrite (as NO₂)

Unit	mg/l
Assigned value ± U (k=2)	0.102 ± 0.00202
Criterion	0.00539 (5.3 %)
Minimum - Maximum	0.087 - 0.116
Control test value ± U (k=2)	0.155 ± 0.00464

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	-	-	-	-	
LC0004	0.1	0.005	98.3	-0.33	
LC0005	0.107	0.0021	105	0.97	
LC0006	-	-	-	-	
LC0007	0.0965	0.0097	94.8	-0.98	
LC0008	0.107	0.03	105	0.97	
LC0009	-	-	-	-	
LC0010	0.1	0.02	98.3	-0.33	
LC0011	0.104	0.012	102	0.41	
LC0012	0.1	0.01	98.3	-0.33	
LC0013	0.11	0.01	108	1.53	
LC0014	-	-	-	-	
LC0015	< 0.005 (LOQ)	-	-	-	FN
LC0016	0.102	0.02	100	0.04	
LC0017	-	-	-	-	
LC0018	0.119	0.0036	117	3.19	H
LC0019	0.11	0.003	108	1.53	
LC0020	1.01	1.02	992	168	H
LC0021	-	-	-	-	
LC0022	0.11	0.02	108	1.53	
LC0023	0.099	0.01	97.3	-0.51	
LC0024	0.097	0.008	95.3	-0.88	
LC0025	0.101	0.01	99.2	-0.14	
LC0026	-	-	-	-	
LC0027	0.0917	0.0128	90.1	-1.87	
LC0028	0.094	0.019	92.4	-1.44	
LC0029	0.1	0.01	98.3	-0.33	
LC0030	0.087	0.008	85.5	-2.74	
LC0031	0.098	0.015	96.3	-0.7	
LC0032	0.102	0.01	100	0.04	
LC0033	-	-	-	-	
LC0034	0.11	1	108	1.53	
LC0035	0.1003	0.0015	98.6	-0.27	
LC0036	-	-	-	-	
LC0037	0.12	0.006	118	3.38	H
LC0038	-	-	-	-	
LC0039	0.0977	0.0098	96	-0.76	
LC0040	0.107	0.015	105	0.97	
LC0041	0.095	0.008	93.3	-1.26	

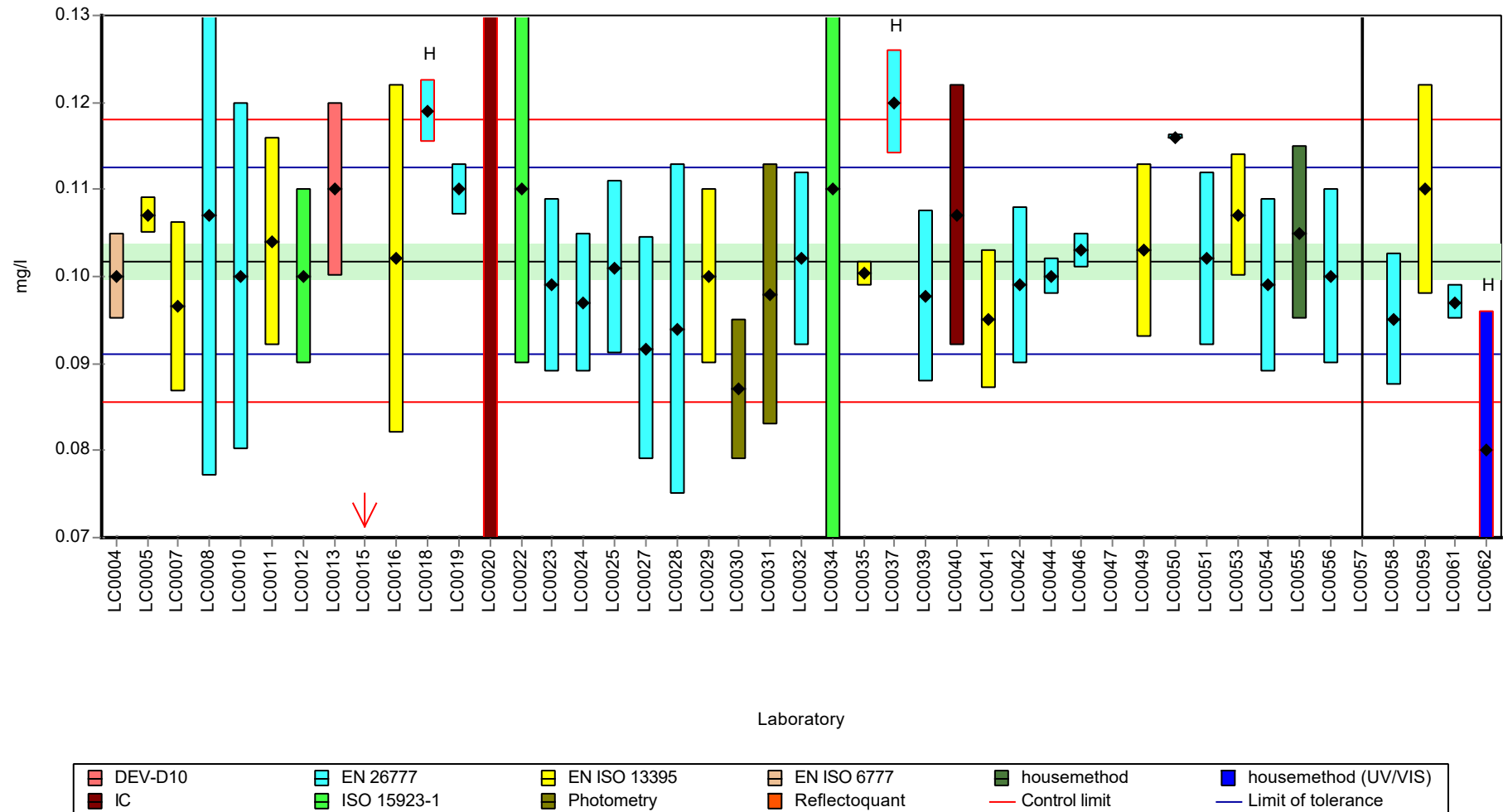
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	0.099	0.009	97.3	-0.51	
LC0043	-	-	-	-	
LC0044	0.1	0.002	98.3	-0.33	
LC0045	-	-	-	-	
LC0046	0.103	0.002	101	0.23	
LC0047	0.03	0.002	29.5	-13.3	H
LC0048	-	-	-	-	
LC0049	0.103	0.01	101	0.23	
LC0050	0.116	0.0003	114	2.64	
LC0051	0.102	0.01	100	0.04	
LC0052	-	-	-	-	
LC0053	0.107	0.007	105	0.97	
LC0054	0.099	0.01	97.3	-0.51	
LC0055	0.105	0.01	103	0.6	
LC0056	0.1	0.01	98.3	-0.33	
LC0057	<0.5 (LOD)	-	-	-	
LC0058	0.095	0.0076	93.3	-1.26	
LC0059	0.11	0.012	108	1.53	
LC0060	-	-	-	-	
LC0061	0.097	0.002	95.3	-0.88	
LC0062	0.08	0.016	78.6	-4.04	H

Characteristics of parameter

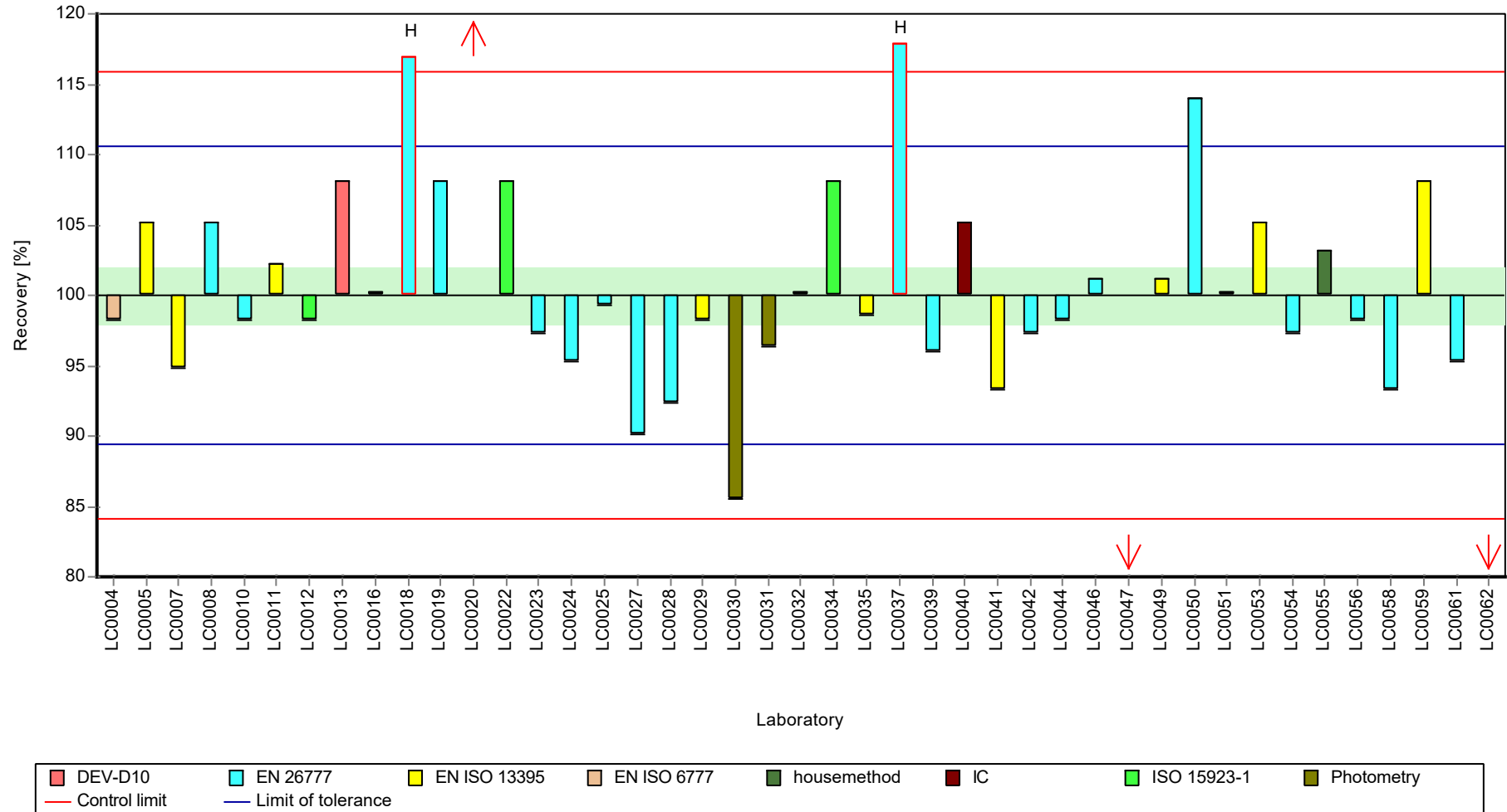
	all results	without outliers	Unit
Mean ± CI (99%)	0.121 ± 0.0638	0.102 ± 0.00287	mg/l
Minimum	0.03	0.087	mg/l
Maximum	1.01	0.116	mg/l
Standard deviation	0.139	0.0059	mg/l
rel. standard deviation	115	5.81	%
n	43	38	-

Graphical presentation of results

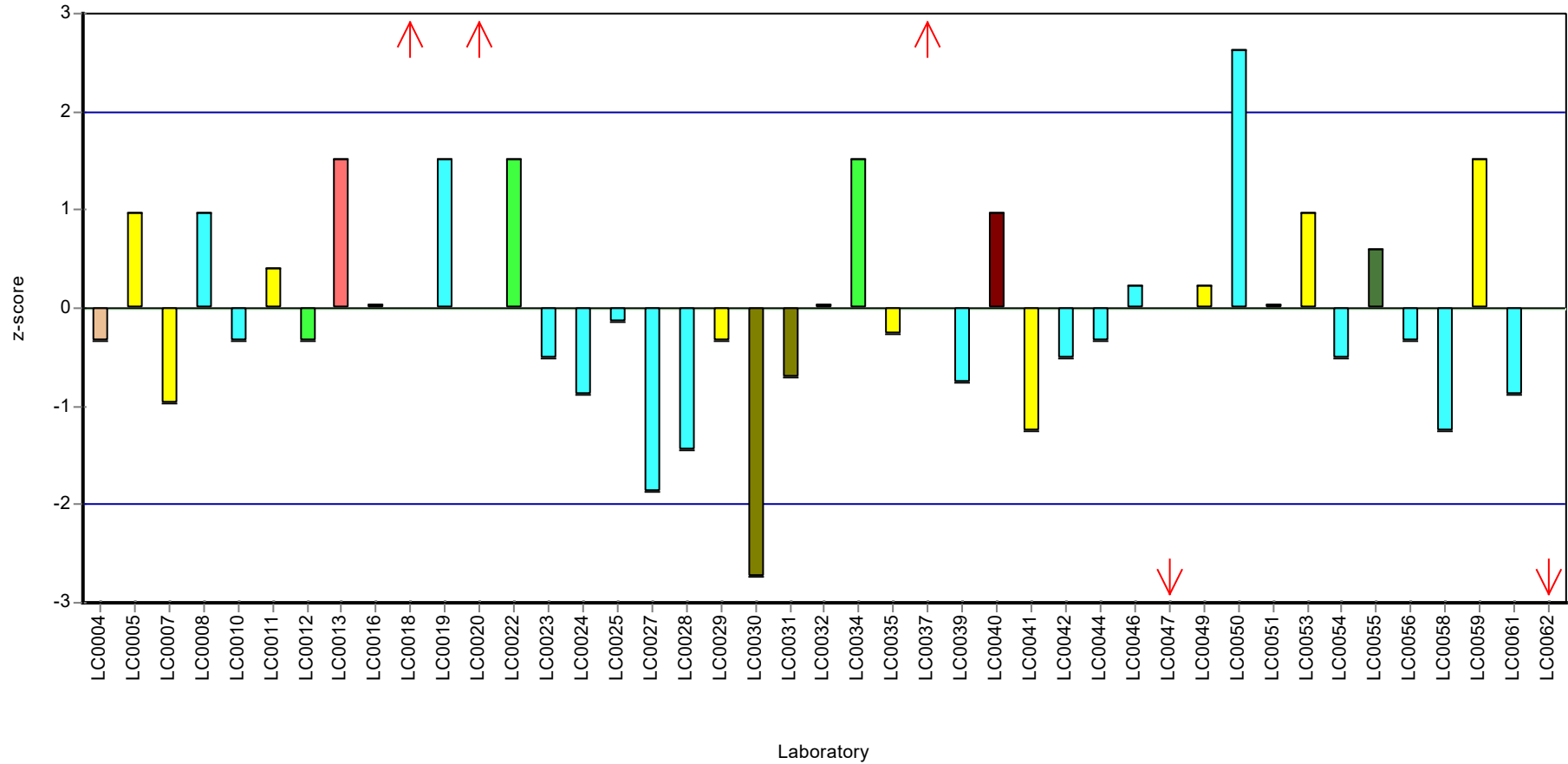
Results



Recovery rate



Z-score



Parameter oriented report

N155 B

Nitrite (as NO₂)

Unit	mg/l
Assigned value ± U (k=2)	0.24 ± 0.00384
Criterion	0.0127 (5.3 %)
Minimum - Maximum	0.2 - 0.27
Control test value ± U (k=2)	0.344 ± 0.0103

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	-	-	-	-	
LC0004	0.244	0.012	102	0.33	
LC0005	0.252	0.005	105	0.96	
LC0006	-	-	-	-	
LC0007	0.239	0.024	99.7	-0.06	
LC0008	0.237	0.066	98.8	-0.22	
LC0009	-	-	-	-	
LC0010	0.23	0.02	95.9	-0.77	
LC0011	0.245	0.025	102	0.41	
LC0012	0.239	0.024	99.7	-0.06	
LC0013	0.27	0.01	113	2.38	
LC0014	-	-	-	-	
LC0015	0.226	0.03	94.2	-1.09	
LC0016	0.235	0.047	98	-0.38	
LC0017	-	-	-	-	
LC0018	0.253	0.0076	106	1.04	
LC0019	0.25	0.006	104	0.8	
LC0020	0.57	0.02	238	26	H
LC0021	-	-	-	-	
LC0022	0.25	0.03	104	0.8	
LC0023	0.237	0.025	98.8	-0.22	
LC0024	0.231	0.02	96.3	-0.69	
LC0025	0.243	0.02	101	0.25	
LC0026	-	-	-	-	
LC0027	0.22	0.031	91.7	-1.56	
LC0028	0.23	0.05	95.9	-0.77	
LC0029	0.24	0.024	100	0.02	
LC0030	0.243	0.022	101	0.25	
LC0031	0.219	0.033	91.3	-1.64	
LC0032	0.238	0.02	99.2	-0.14	
LC0033	-	-	-	-	
LC0034	0.25	1	104	0.8	
LC0035	0.2355	0.0019	98.2	-0.34	
LC0036	-	-	-	-	
LC0037	0.262	0.014	109	1.75	
LC0038	-	-	-	-	
LC0039	0.2301	0.023	96	-0.76	
LC0040	0.257	0.036	107	1.35	
LC0041	0.25	0.02	104	0.8	

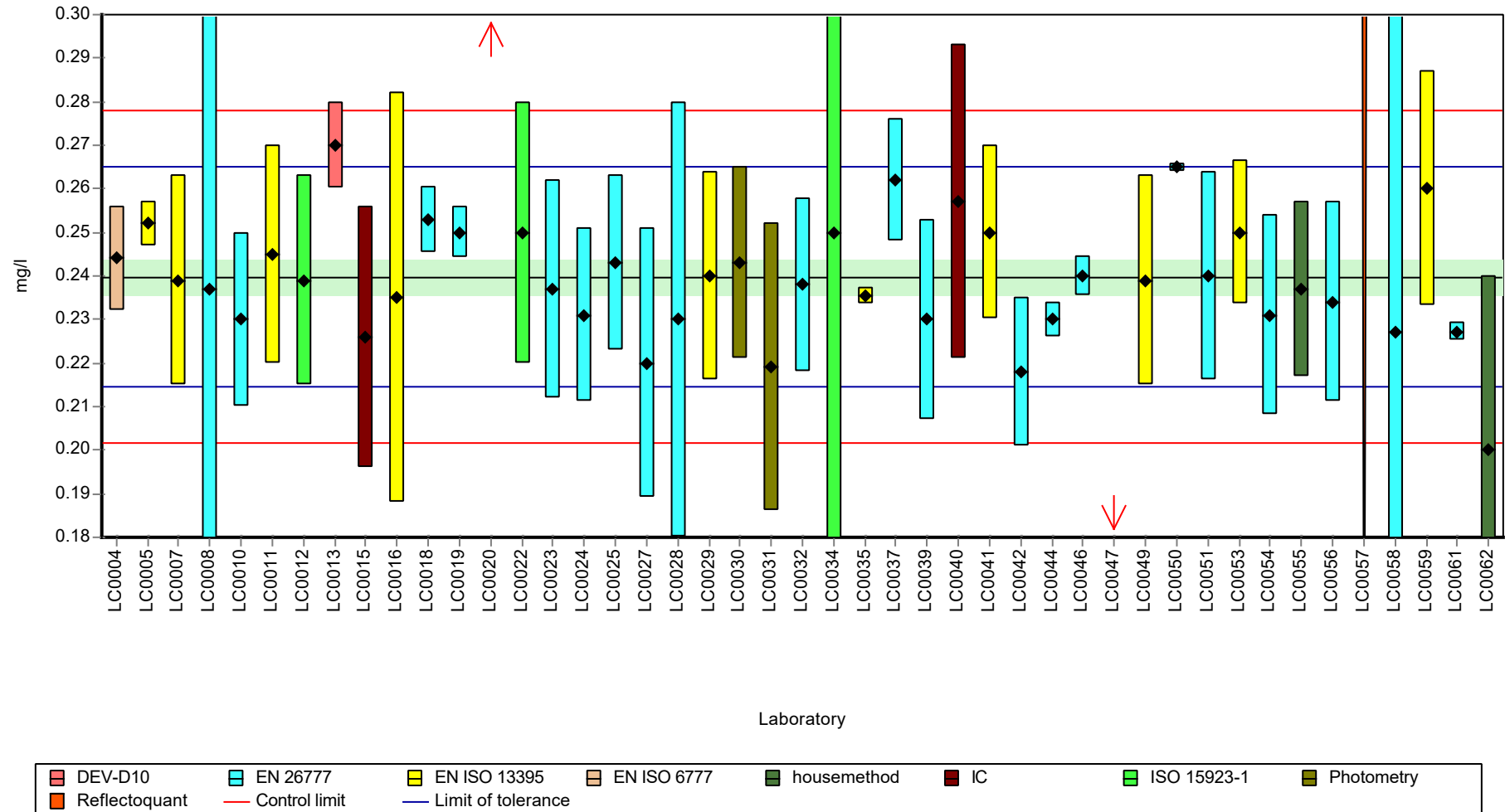
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	0.218	0.017	90.9	-1.72	
LC0043	-	-	-	-	
LC0044	0.23	0.004	95.9	-0.77	
LC0045	-	-	-	-	
LC0046	0.24	0.0046	100	0.02	
LC0047	0.077	0.004	32.1	-12.8	H
LC0048	-	-	-	-	
LC0049	0.239	0.024	99.7	-0.06	
LC0050	0.265	0.0009	111	1.98	
LC0051	0.24	0.024	100	0.02	
LC0052	-	-	-	-	
LC0053	0.25	0.0165	104	0.8	
LC0054	0.231	0.023	96.3	-0.69	
LC0055	0.237	0.02	98.8	-0.22	
LC0056	0.234	0.023	97.6	-0.46	
LC0057	<0.5 (LOD)	-	-	-	
LC0058	0.227	0.181	94.7	-1.01	
LC0059	0.26	0.027	108	1.59	
LC0060	-	-	-	-	
LC0061	0.2272	0.002	94.7	-0.99	
LC0062	0.2	0.04	83.4	-3.13	

Characteristics of parameter

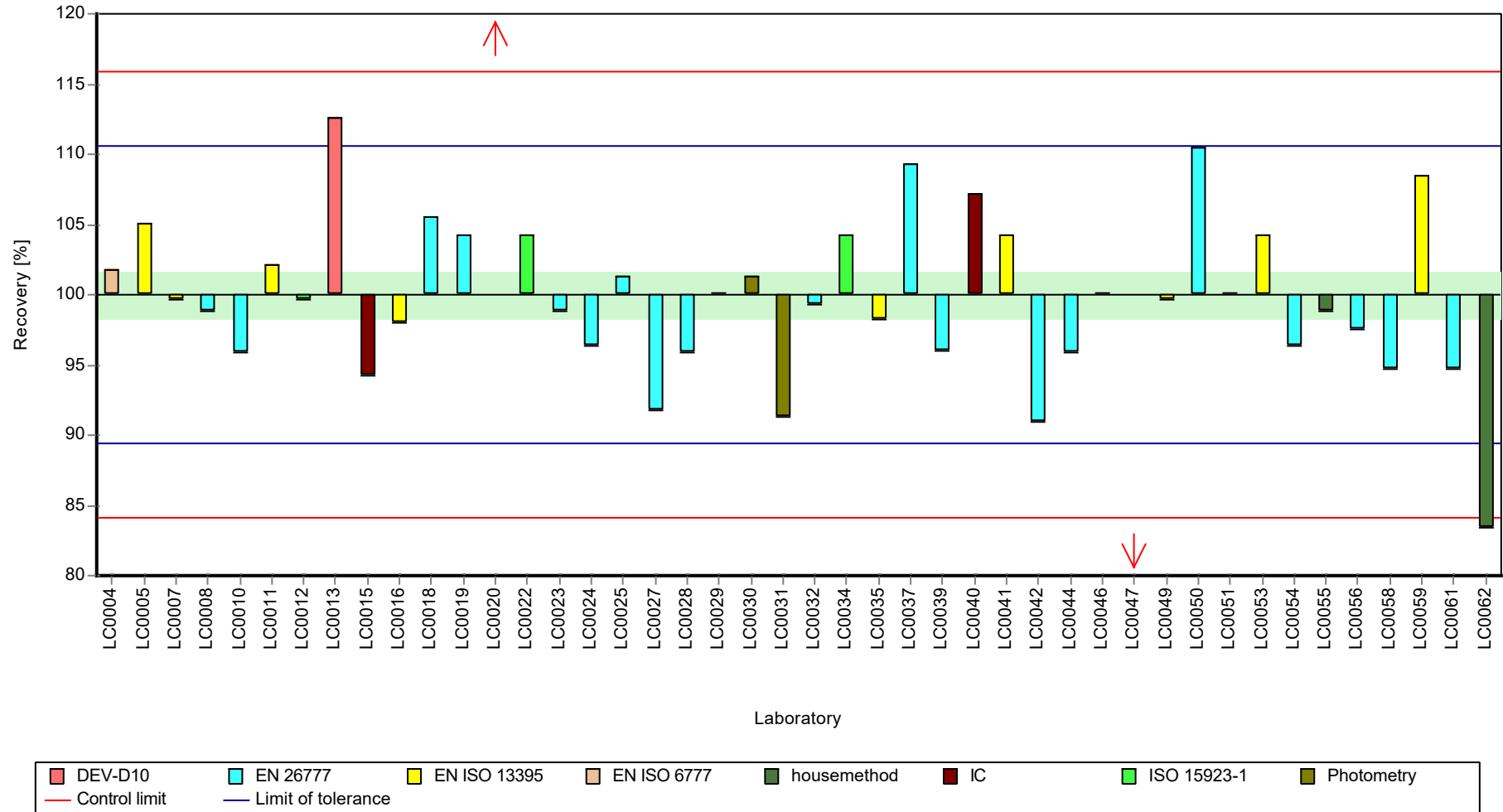
	all results	without outliers	Unit
Mean ± CI (99%)	0.243 ± 0.0261	0.239 ± 0.00634	mg/l
Minimum	0.077	0.2	mg/l
Maximum	0.57	0.27	mg/l
Standard deviation	0.0576	0.0137	mg/l
rel. standard deviation	23.7	5.72	%
n	44	42	-

Graphical presentation of results

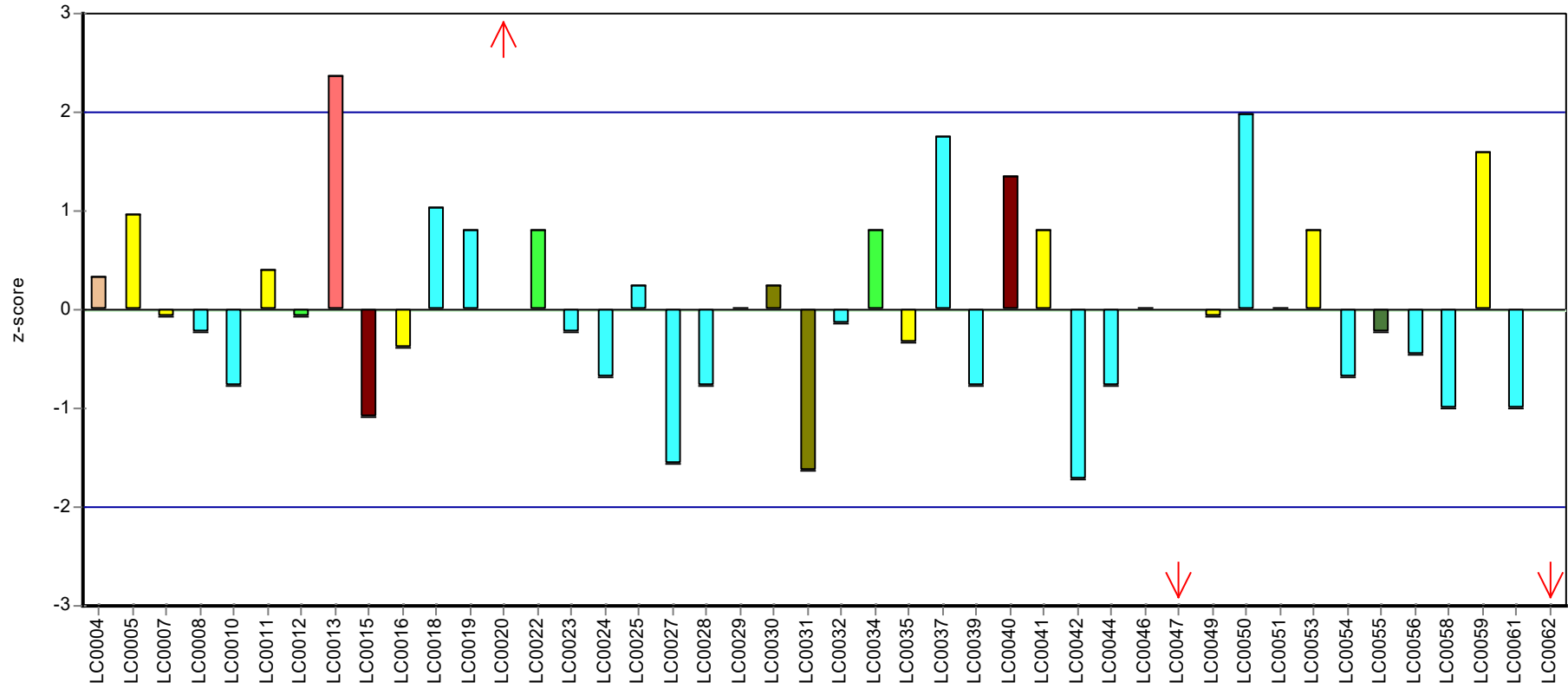
Results



Recovery rate



Z-score



Laboratory



Parameter oriented report

N155 A

Orthophosphate (as PO4)

Unit	mg/l
Assigned value ± U (k=2)	0.0589 ± 0.00231
Criterion	0.0053 (9 %)
Minimum - Maximum	0.0465 - 0.0705
Control test value ± U (k=2)	0.0592 ± 0.00414

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	-	-	-	-	
LC0004	0.06	0.003	102	0.21	
LC0005	0.0656	0.002	111	1.27	
LC0006	-	-	-	-	
LC0007	0.0606	0.0042	103	0.33	
LC0008	0.056	0.01	95.1	-0.54	
LC0009	-	-	-	-	
LC0010	-	-	-	-	
LC0011	0.058	0.006	98.5	-0.17	
LC0012	0.056	0.017	95.1	-0.54	
LC0013	0.047	0.002	79.8	-2.24	
LC0014	-	-	-	-	
LC0015	< 0.1 (LOQ)	-	-	-	
LC0016	-	-	-	-	
LC0017	-	-	-	-	
LC0018	0.069	0.0021	117	1.91	
LC0019	0.06	0.005	102	0.21	
LC0020	0.45	0.01	764	73.8	H
LC0021	-	-	-	-	
LC0022	0.06	0.01	102	0.21	
LC0023	-	-	-	-	
LC0024	0.065	0.005	110	1.16	
LC0025	0.059	0.006	100	0.02	
LC0026	-	-	-	-	
LC0027	< 0.5 (LOQ)	-	-	-	
LC0028	< 0.15 (LOQ)	-	-	-	
LC0029	0.069	0.007	117	1.91	
LC0030	0.067	0.006	114	1.53	
LC0031	0.061	0.006	104	0.4	
LC0032	-	-	-	-	
LC0033	-	-	-	-	
LC0034	0.05	1	84.9	-1.68	
LC0035	0.0583	0.0018	99	-0.11	
LC0036	-	-	-	-	
LC0037	0.052	0.004	88.3	-1.3	
LC0038	< 0.1 (LOQ)	-	-	-	
LC0039	0.048	0.005	81.5	-2.05	
LC0040	0.055	0.007	93.4	-0.73	
LC0041	< 0.15 (LOQ)	-	-	-	

Parameter oriented report Nutrients/Major Ions N155 Sample: N155A, Parameter: Orthophosphate (as PO4)

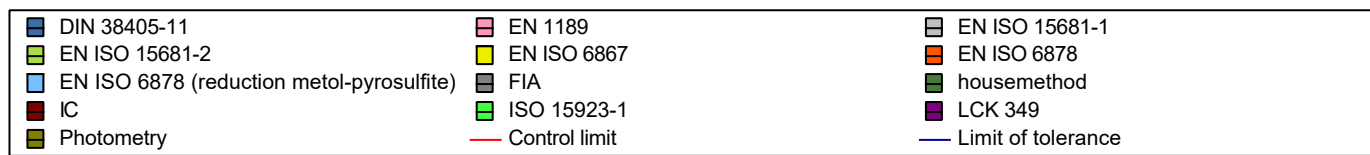
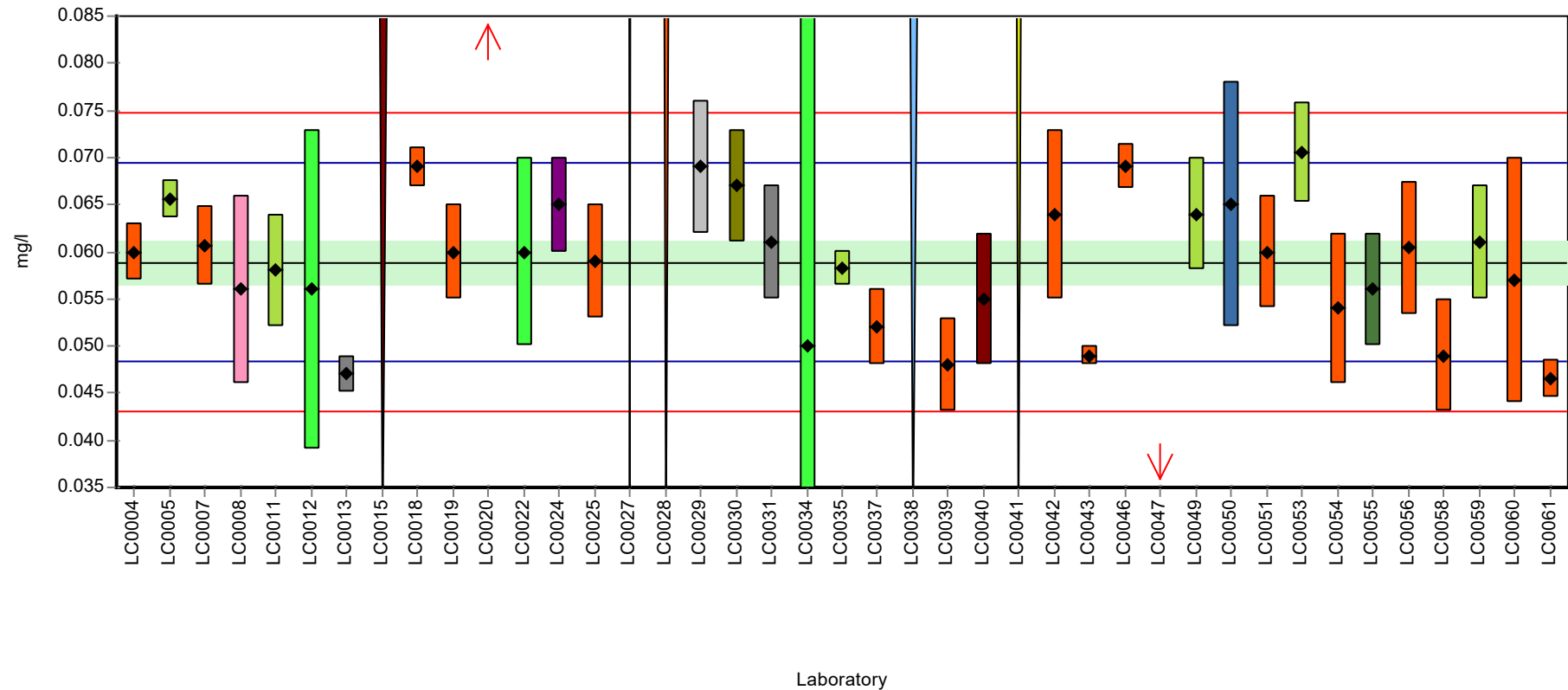
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	0.064	0.009	109	0.97	
LC0043	0.049	0.001	83.2	-1.86	
LC0044	-	-	-	-	
LC0045	-	-	-	-	
LC0046	0.069	0.0024	117	1.91	
LC0047	0.016	0.001	27.2	-8.09	H
LC0048	-	-	-	-	
LC0049	0.064	0.006	109	0.97	
LC0050	0.065	0.013	110	1.16	
LC0051	0.06	0.006	102	0.21	
LC0052	-	-	-	-	
LC0053	0.0705	0.00536	120	2.19	
LC0054	0.054	0.008	91.7	-0.92	
LC0055	0.056	0.006	95.1	-0.54	
LC0056	0.0604	0.0071	103	0.29	
LC0057	-	-	-	-	
LC0058	0.049	0.0059	83.2	-1.86	
LC0059	0.061	0.006	104	0.4	
LC0060	0.057	0.013	96.8	-0.35	
LC0061	0.0465	0.002	79	-2.34	
LC0062	-	-	-	-	

Characteristics of parameter

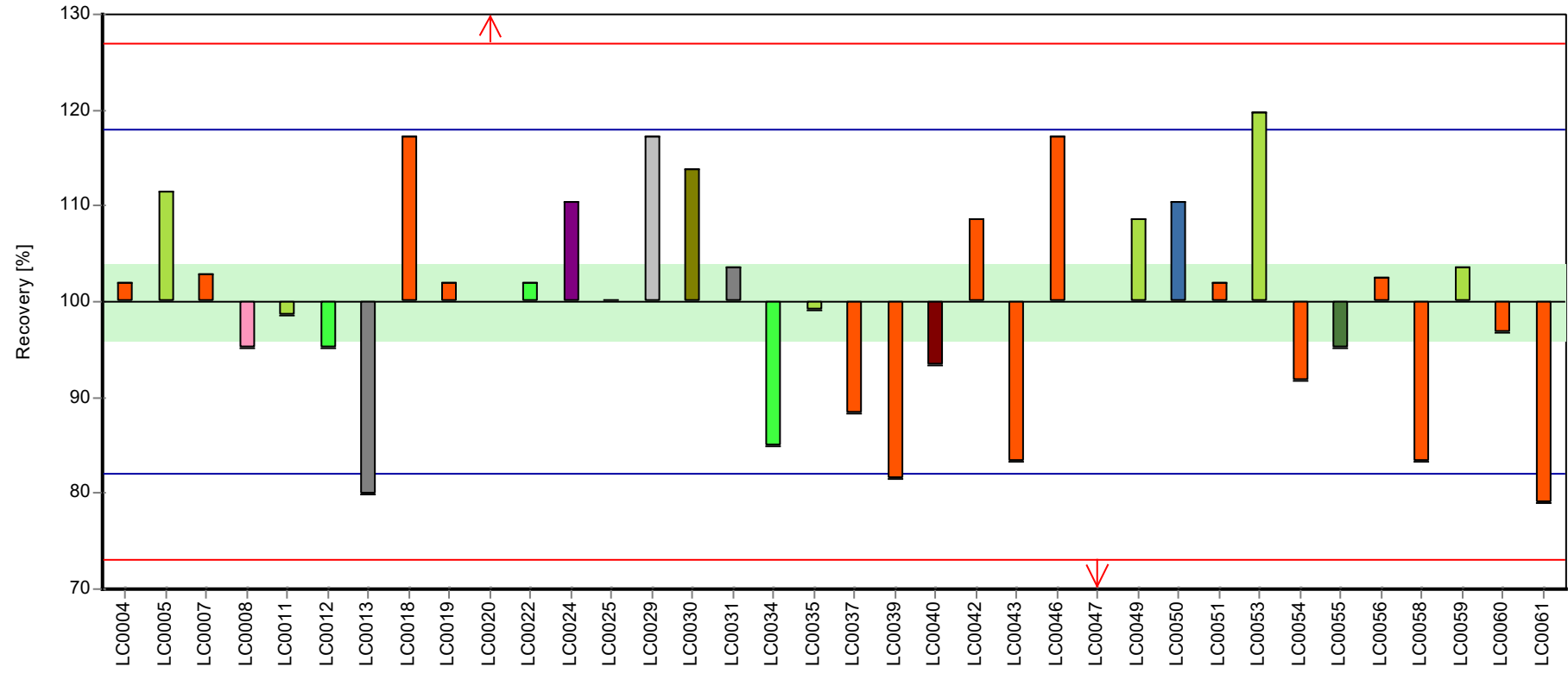
	all results	without outliers	Unit
Mean ± CI (99%)	0.0686 ± 0.0331	0.0589 ± 0.00347	mg/l
Minimum	0.016	0.0465	mg/l
Maximum	0.45	0.0705	mg/l
Standard deviation	0.0661	0.00675	mg/l
rel. standard deviation	96.4	11.5 %	
n	36	34	-

Graphical presentation of results

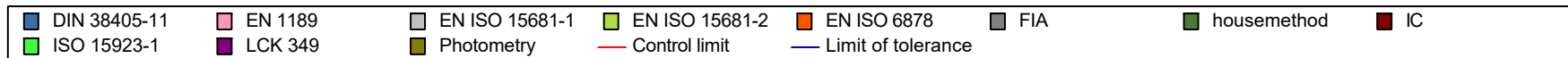
Results



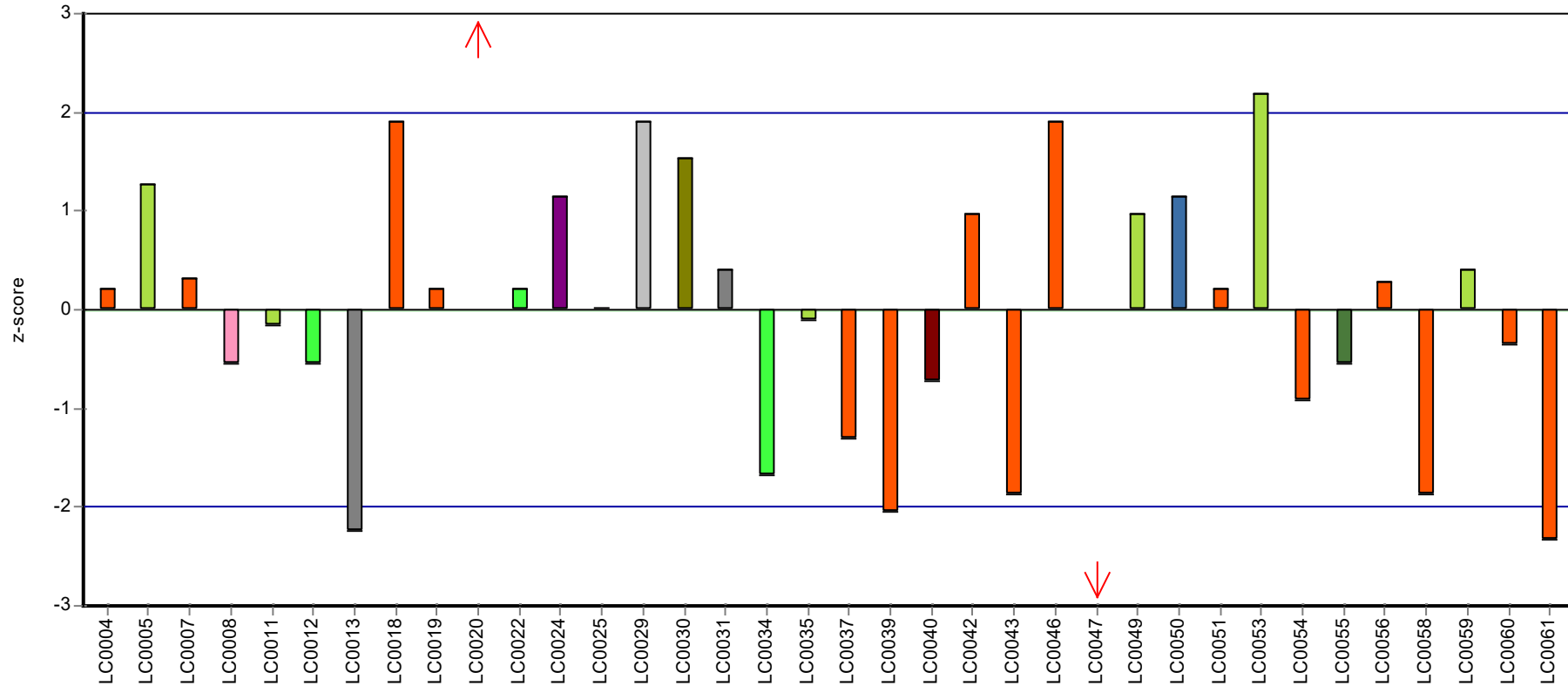
Recovery rate



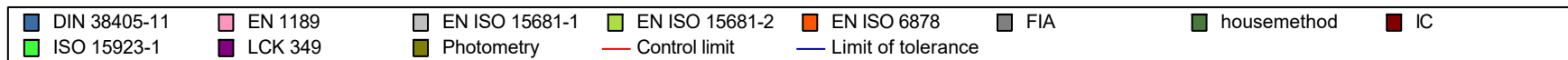
Laboratory



Z-score



Laboratory



Parameter oriented report

N155 B

Orthophosphate (as PO4)

Unit	mg/l
Assigned value ± U (k=2)	0.235 ± 0.00356
Criterion	0.0212 (9 %)
Minimum - Maximum	0.217 - 0.258
Control test value ± U (k=2)	0.238 ± 0.0167

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	-	-	-	-	
LC0004	0.25	0.012	106	0.68	
LC0005	0.237	0.0032	101	0.07	
LC0006	-	-	-	-	
LC0007	0.241	0.017	102	0.26	
LC0008	0.231	0.039	98.1	-0.21	
LC0009	-	-	-	-	
LC0010	-	-	-	-	
LC0011	0.236	0.024	100	0.02	
LC0012	0.241	0.072	102	0.26	
LC0013	0.22	0.003	93.4	-0.73	
LC0014	-	-	-	-	
LC0015	< 0.1 (LOQ)	-	-	-	FN
LC0016	-	-	-	-	
LC0017	-	-	-	-	
LC0018	0.258	0.0077	110	1.06	
LC0019	0.24	0.019	102	0.21	
LC0020	0.45	0.01	191	10.1	H
LC0021	-	-	-	-	
LC0022	0.24	0.03	102	0.21	
LC0023	-	-	-	-	
LC0024	0.182	0.015	77.3	-2.52	H
LC0025	0.24	0.03	102	0.21	
LC0026	-	-	-	-	
LC0027	< 0.5 (LOQ)	-	-	-	
LC0028	0.22	0.04	93.4	-0.73	
LC0029	0.24	0.024	102	0.21	
LC0030	0.243	0.022	103	0.35	
LC0031	0.236	0.024	100	0.02	
LC0032	-	-	-	-	
LC0033	-	-	-	-	
LC0034	0.24	1	102	0.21	
LC0035	0.2266	0.002	96.2	-0.42	
LC0036	-	-	-	-	
LC0037	0.223	0.018	94.7	-0.59	
LC0038	0.248	0.0434	105	0.59	
LC0039	0.225	0.03	95.5	-0.49	
LC0040	0.217	0.0282	92.1	-0.87	
LC0041	0.3	0.01	127	3.04	H

Parameter oriented report Nutrients/Major Ions N155 Sample: N155B, Parameter: Orthophosphate (as PO4)

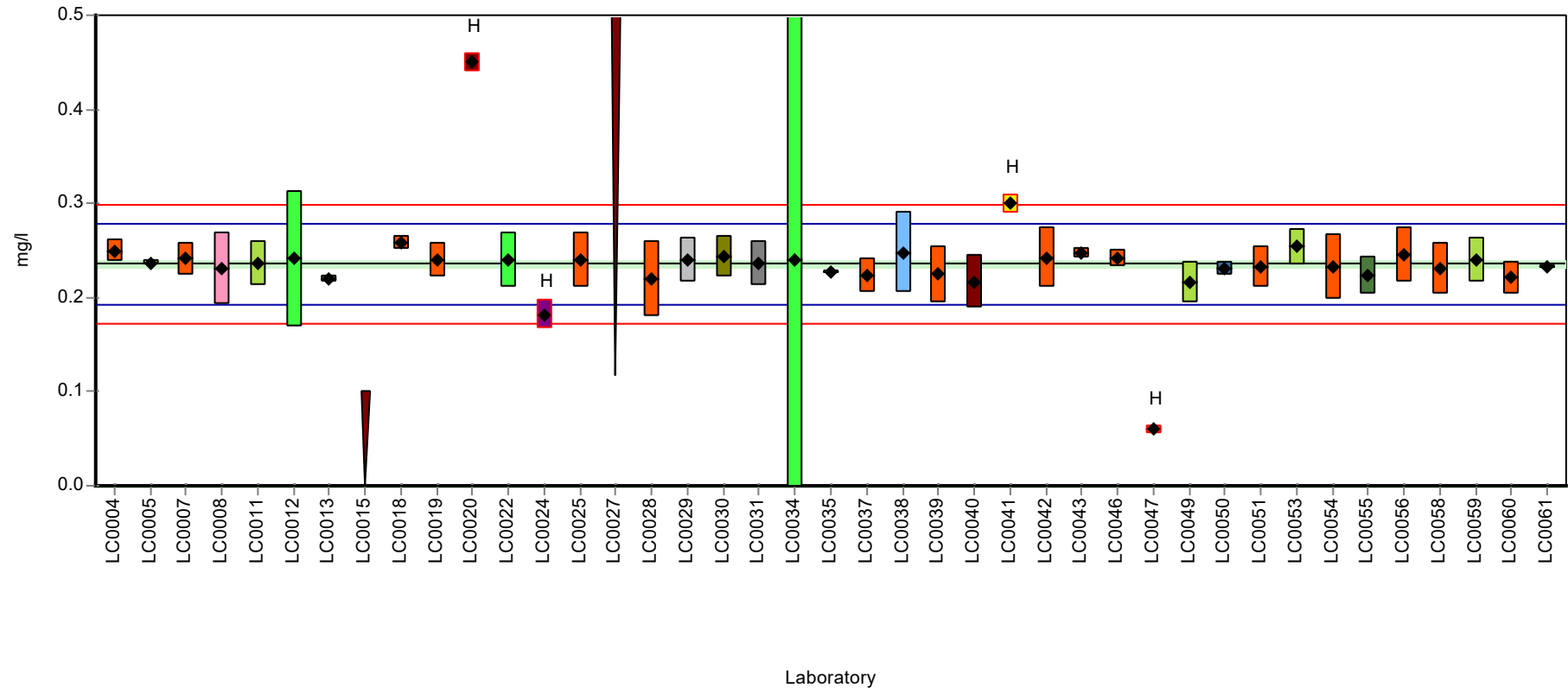
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	0.242	0.032	103	0.31	
LC0043	0.247	0.005	105	0.54	
LC0044	-	-	-	-	
LC0045	-	-	-	-	
LC0046	0.242	0.0085	103	0.31	
LC0047	0.06	0.005	25.5	-8.28	H
LC0048	-	-	-	-	
LC0049	0.217	0.022	92.1	-0.87	
LC0050	0.231	0.008	98.1	-0.21	
LC0051	0.232	0.022	98.5	-0.17	
LC0052	-	-	-	-	
LC0053	0.254	0.0193	108	0.87	
LC0054	0.232	0.035	98.5	-0.17	
LC0055	0.223	0.02	94.7	-0.59	
LC0056	0.246	0.029	104	0.5	
LC0057	-	-	-	-	
LC0058	0.23	0.0276	97.7	-0.26	
LC0059	0.24	0.024	102	0.21	
LC0060	0.221	0.017	93.8	-0.68	
LC0061	0.2328	0.002	98.9	-0.13	
LC0062	-	-	-	-	

Characteristics of parameter

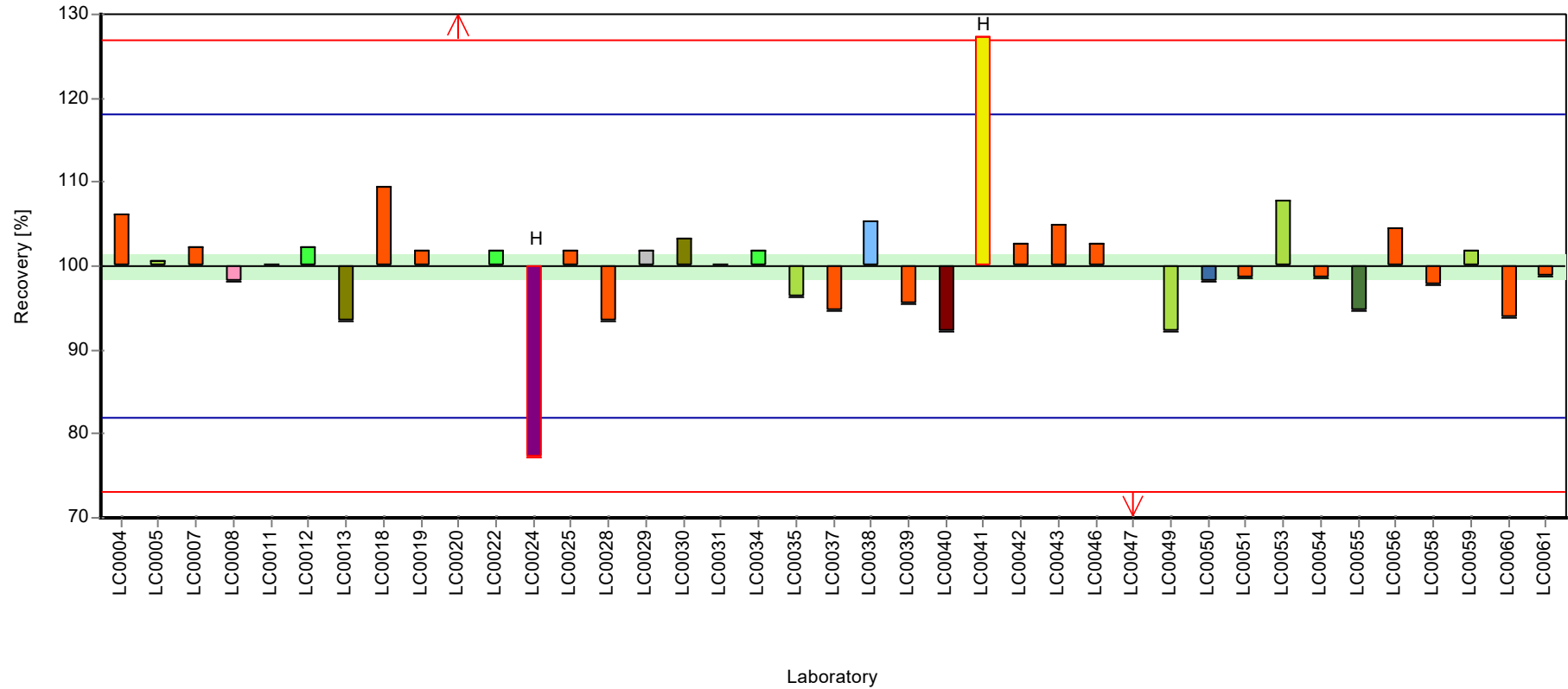
	all results	without outliers	Unit
Mean ± CI (99%)	0.237 ± 0.0231	0.235 ± 0.00533	mg/l
Minimum	0.06	0.217	mg/l
Maximum	0.45	0.258	mg/l
Standard deviation	0.048	0.0105	mg/l
rel. standard deviation	20.3	4.47	%
n	39	35	-

Graphical presentation of results

Results

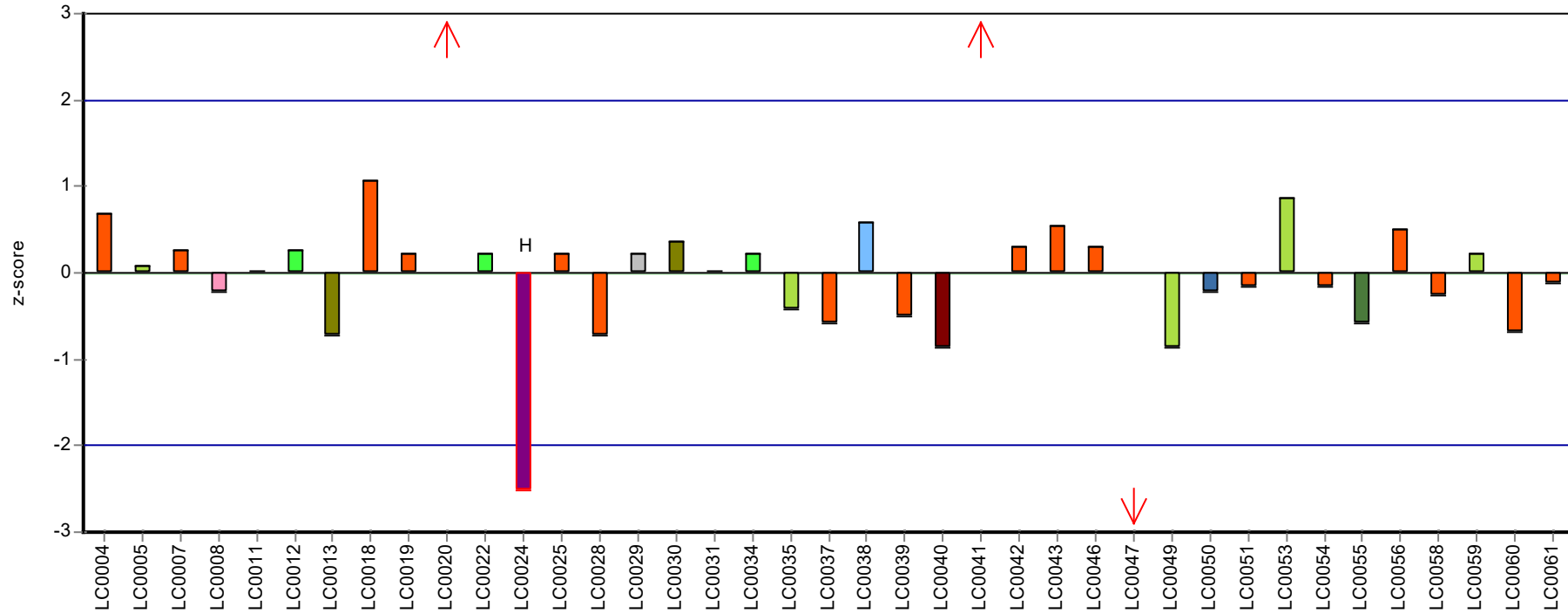


Recovery rate

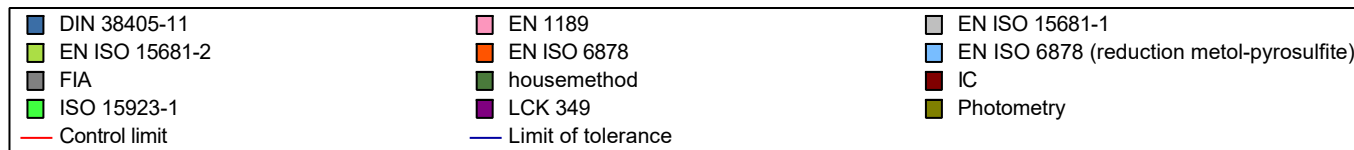


DIN 38405-11	EN 1189	EN ISO 15681-1
EN ISO 15681-2	EN ISO 6867	EN ISO 6878
EN ISO 6878 (reduction metol-pyrosulfite)	FIA	housemethod
IC	ISO 15923-1	LCK 349
Photometry	Control limit	Limit of tolerance

Z-score



Laboratory



Parameter oriented report

N155 A

pH-value

Unit	-
Assigned value ± U (k=2)	7.73 ± 0.027
Criterion	0.155 (2 %)
Minimum - Maximum	7.58 - 7.95
Control test value ± U (k=2)	7.64 ± 0.00382

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	7.75	0.04	100	0.11	
LC0004	7.58	0.02	98	-0.99	
LC0005	7.93	0.135	103	1.27	
LC0006	-	-	-	-	
LC0007	7.78	0.23	101	0.3	
LC0008	7.73	0.77	100	-0.02	
LC0009	7.71	0.39	99.7	-0.15	
LC0010	7.78	0.1	101	0.3	
LC0011	7.7	0.3	99.6	-0.21	
LC0012	7.7	0.077	99.6	-0.21	
LC0013	7.82	0.1	101	0.56	
LC0014	7.61	0.2	98.4	-0.8	
LC0015	7.75	0.4	100	0.11	
LC0016	8.15	0.0269	105	2.7	H
LC0017	7.2	0.2	93.1	-3.45	H
LC0018	7.92	0.16	102	1.21	
LC0019	7.6	0.2	98.3	-0.86	
LC0020	7.75	0.01	100	0.11	
LC0021	7.7	0.1	99.6	-0.21	
LC0022	7.7	0.1	99.6	-0.21	
LC0023	7.62	0.1	98.5	-0.73	
LC0024	7.74	0.2	100	0.05	
LC0025	7.77	0.4	100	0.24	
LC0026	7.73	0.04	100	-0.02	
LC0027	7.73	0.26	100	-0.02	
LC0028	7.8	0.2	101	0.43	
LC0029	7.7	0.2	99.6	-0.21	
LC0030	8.03	0.32	104	1.92	H
LC0031	7.74	0.1	100	0.05	
LC0032	7.7	0.1	99.6	-0.21	
LC0033	-	-	-	-	
LC0034	7.76	1	100	0.17	
LC0035	7.68	0.08	99.3	-0.34	
LC0036	7.69	0.07	99.4	-0.28	
LC0037	7.74	0.01	100	0.05	
LC0038	7.79	0.02	101	0.37	
LC0039	7.7	0.1	99.6	-0.21	
LC0040	-	-	-	-	
LC0041	7.78	0.05	101	0.3	

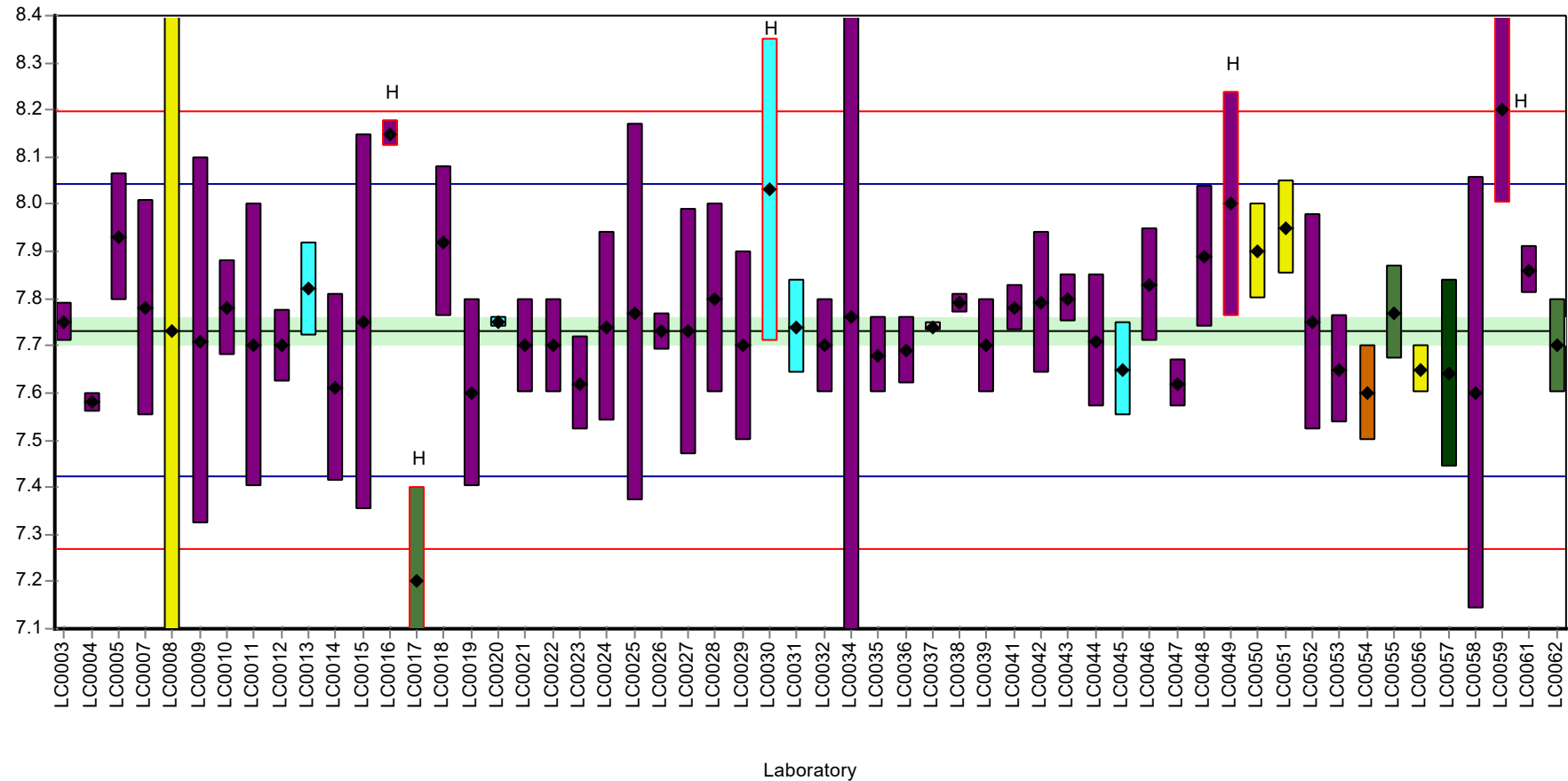
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	7.79	0.15	101	0.37	
LC0043	7.8	0.05	101	0.43	
LC0044	7.71	0.14	99.7	-0.15	
LC0045	7.65	0.1	98.9	-0.54	
LC0046	7.83	0.12	101	0.63	
LC0047	7.62	0.05	98.5	-0.73	
LC0048	7.89	0.15	102	1.02	
LC0049	8	0.24	103	1.73	H
LC0050	7.9	0.1	102	1.08	
LC0051	7.95	0.1	103	1.4	
LC0052	7.75	0.23	100	0.11	
LC0053	7.65	0.116	98.9	-0.54	
LC0054	7.6	0.1	98.3	-0.86	
LC0055	7.77	0.1	100	0.24	
LC0056	7.65	0.05	98.9	-0.54	
LC0057	7.64	0.2	98.8	-0.6	
LC0058	7.6	0.46	98.3	-0.86	
LC0059	8.2	0.2	106	3.02	H
LC0060	-	-	-	-	
LC0061	7.86	0.05	102	0.82	
LC0062	7.7	0.1	99.6	-0.21	

Characteristics of parameter

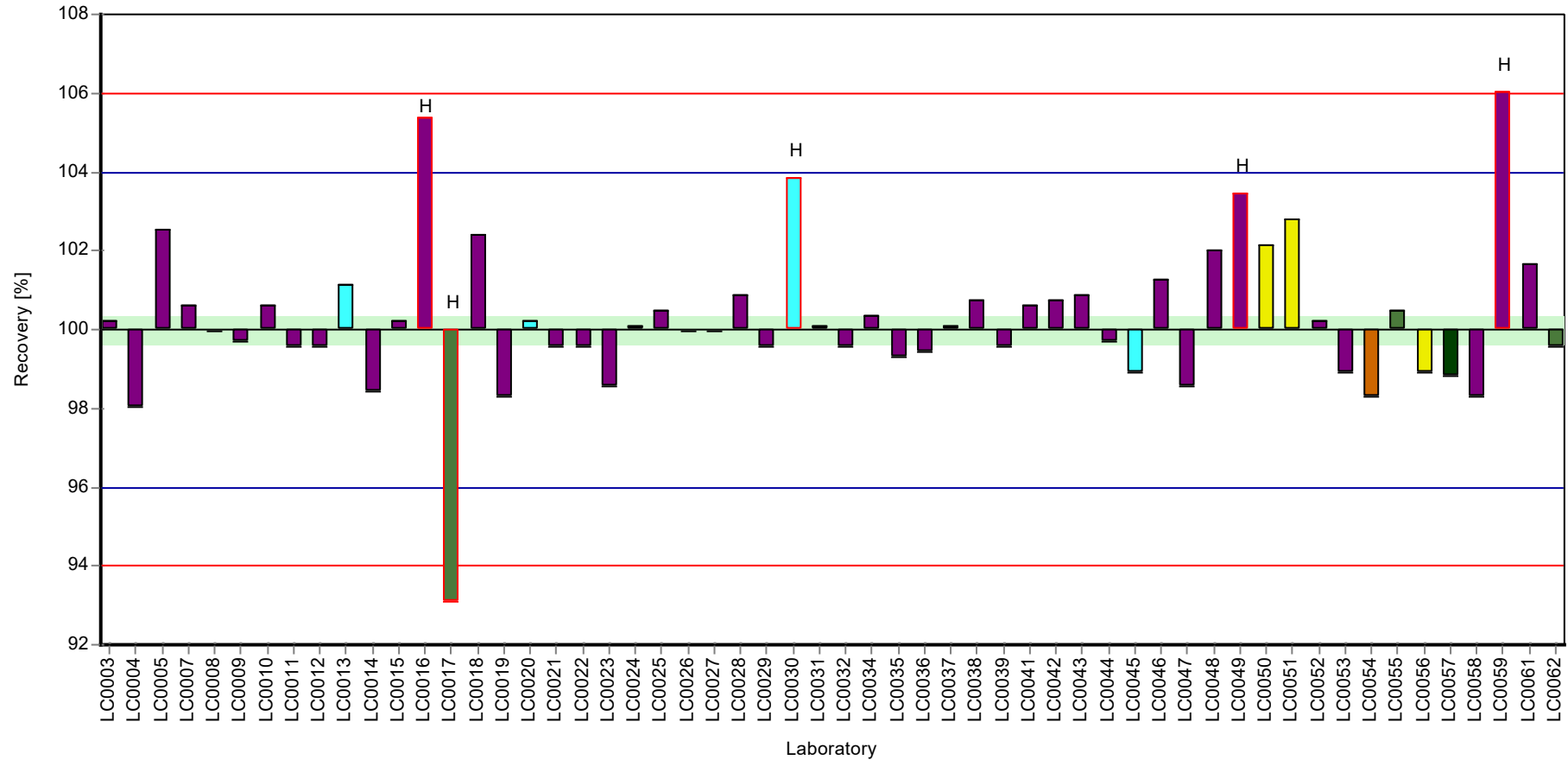
	all results	without outliers	Unit
Mean ± CI (99%)	7.75 ± 0.0594	7.74 ± 0.0373	-
Minimum	7.2	7.58	-
Maximum	8.2	7.95	-
Standard deviation	0.148	0.0888	-
rel. standard deviation	1.91	1.15	%
n	56	51	-

Graphical presentation of results

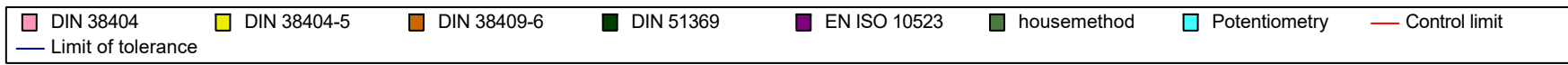
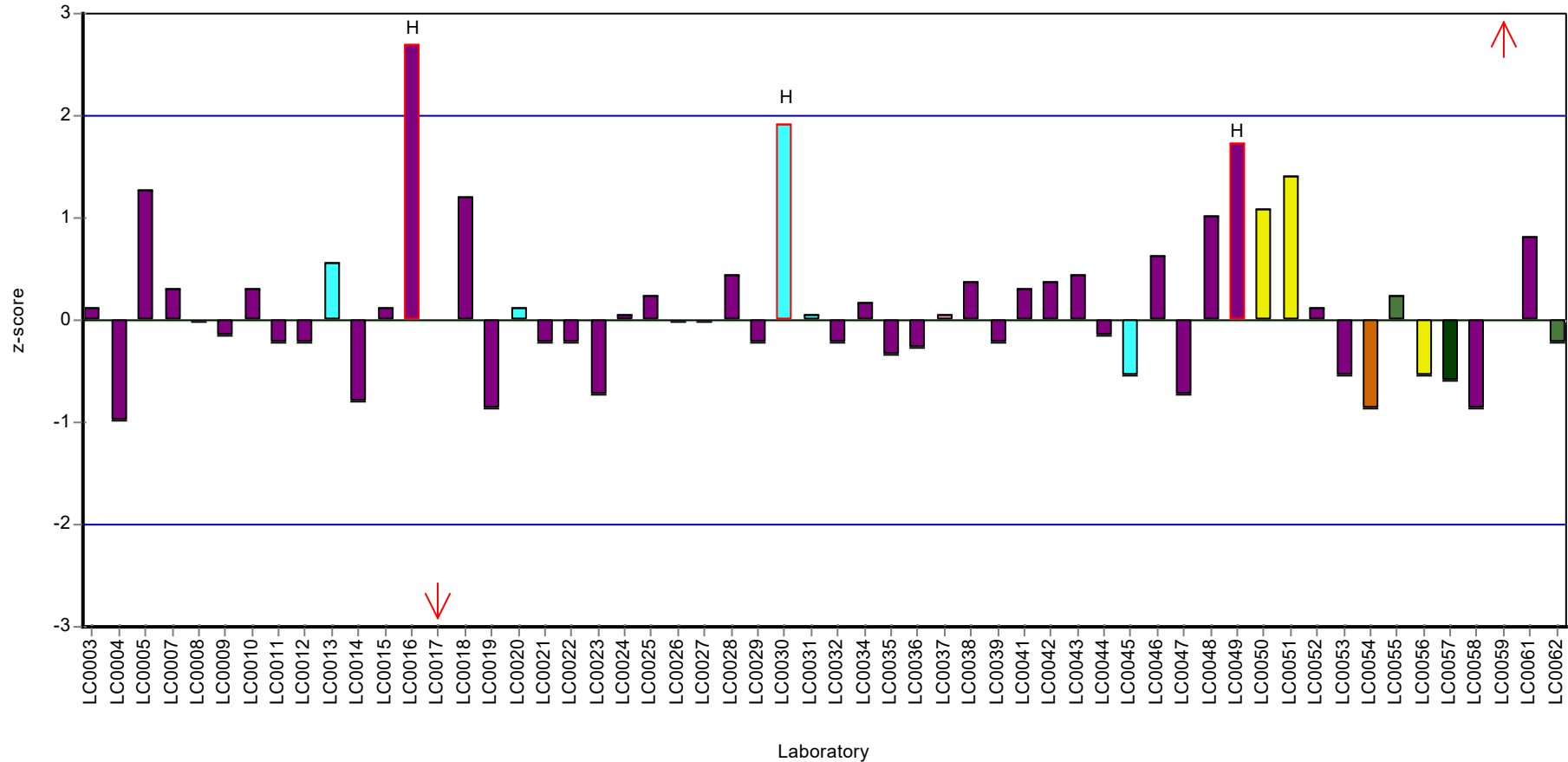
Results



Recovery rate



Z-score



Parameter oriented report

N155 B

pH-value

Unit	-
Assigned value ± U (k=2)	7.92 ± 0.0209
Criterion	0.158 (2 %)
Minimum - Maximum	7.75 - 8.08
Control test value ± U (k=2)	7.92 ± 0.00396

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	7.9	0.04	99.7	-0.15	
LC0004	7.81	0.02	98.6	-0.72	
LC0005	8.05	0.137	102	0.8	
LC0006	-	-	-	-	
LC0007	7.98	0.24	101	0.35	
LC0008	7.88	0.79	99.4	-0.28	
LC0009	7.89	0.39	99.6	-0.21	
LC0010	8.02	0.1	101	0.61	
LC0011	8	0.3	101	0.48	
LC0012	7.89	0.079	99.6	-0.21	
LC0013	7.99	0.1	101	0.42	
LC0014	7.9	0.2	99.7	-0.15	
LC0015	7.95	0.4	100	0.17	
LC0016	8.22	0.271	104	1.87	H
LC0017	7.35	0.2	92.8	-3.62	H
LC0018	7.9	0.16	99.7	-0.15	
LC0019	7.92	0.2	100	-0.02	
LC0020	8.16	0.01	103	1.49	H
LC0021	7.8	0.1	98.4	-0.78	
LC0022	7.9	0.1	99.7	-0.15	
LC0023	7.75	0.1	97.8	-1.1	
LC0024	8.04	0.2	101	0.73	
LC0025	7.95	0.4	100	0.17	
LC0026	7.94	0.04	100	0.1	
LC0027	7.87	0.26	99.3	-0.34	
LC0028	8	0.2	101	0.48	
LC0029	7.9	0.2	99.7	-0.15	
LC0030	8.16	0.33	103	1.49	H
LC0031	7.97	0.1	101	0.29	
LC0032	7.9	0.1	99.7	-0.15	
LC0033	-	-	-	-	
LC0034	8.02	1	101	0.61	
LC0035	7.93	0.08	100	0.04	
LC0036	7.9	0.07	99.7	-0.15	
LC0037	7.92	0.01	100	-0.02	
LC0038	7.93	0.02	100	0.04	
LC0039	7.5	0.1	94.7	-2.67	H
LC0040	-	-	-	-	
LC0041	7.93	0.02	100	0.04	

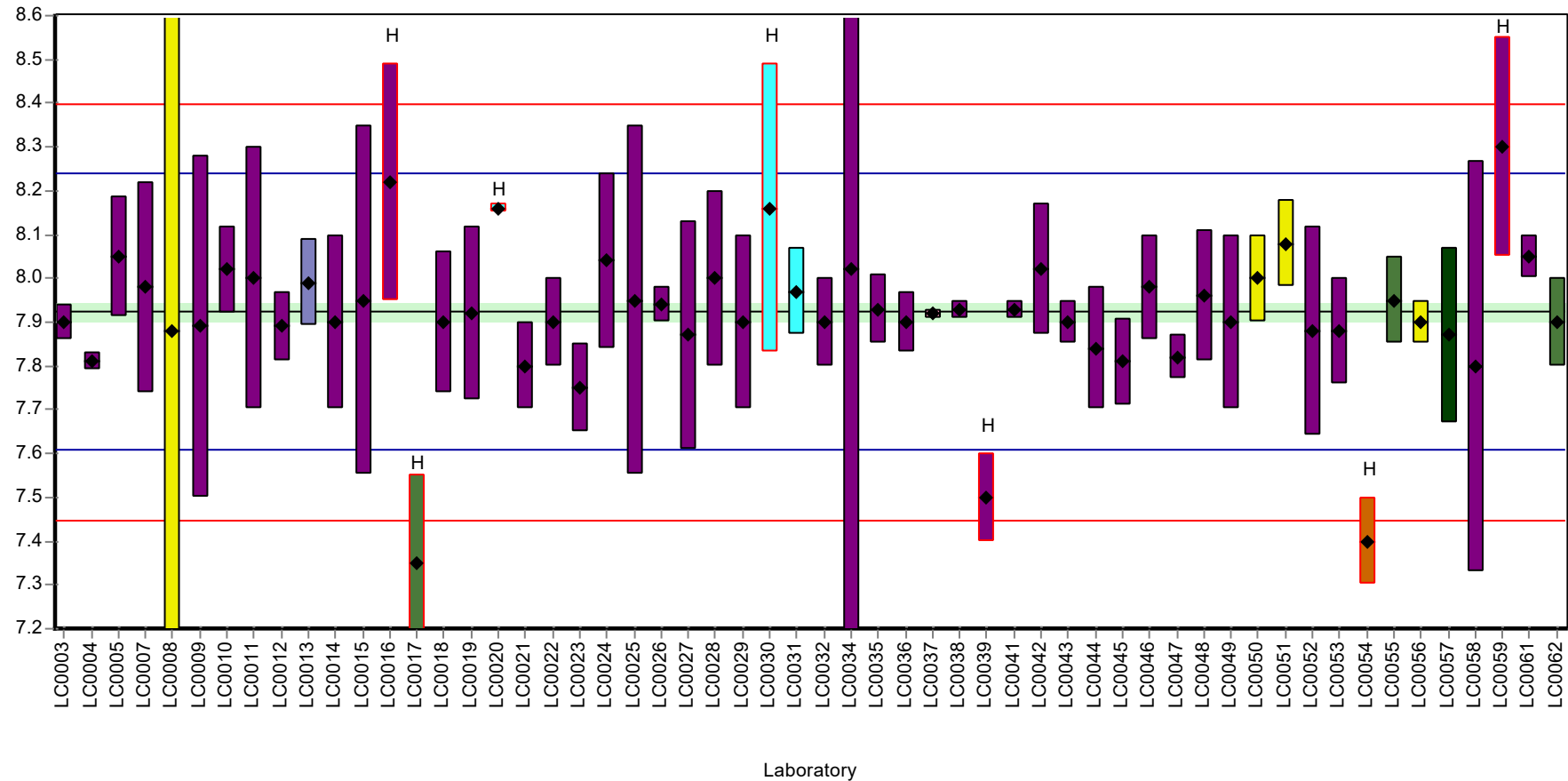
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	8.02	0.15	101	0.61	
LC0043	7.9	0.05	99.7	-0.15	
LC0044	7.84	0.14	98.9	-0.53	
LC0045	7.81	0.1	98.6	-0.72	
LC0046	7.98	0.12	101	0.35	
LC0047	7.82	0.05	98.7	-0.66	
LC0048	7.96	0.15	100	0.23	
LC0049	7.9	0.2	99.7	-0.15	
LC0050	8	0.1	101	0.48	
LC0051	8.08	0.1	102	0.98	
LC0052	7.88	0.24	99.4	-0.28	
LC0053	7.88	0.12	99.4	-0.28	
LC0054	7.4	0.1	93.4	-3.31	H
LC0055	7.95	0.1	100	0.17	
LC0056	7.9	0.05	99.7	-0.15	
LC0057	7.87	0.2	99.3	-0.34	
LC0058	7.8	0.47	98.4	-0.78	
LC0059	8.3	0.25	105	2.37	H
LC0060	-	-	-	-	
LC0061	8.05	0.05	102	0.8	
LC0062	7.9	0.1	99.7	-0.15	

Characteristics of parameter

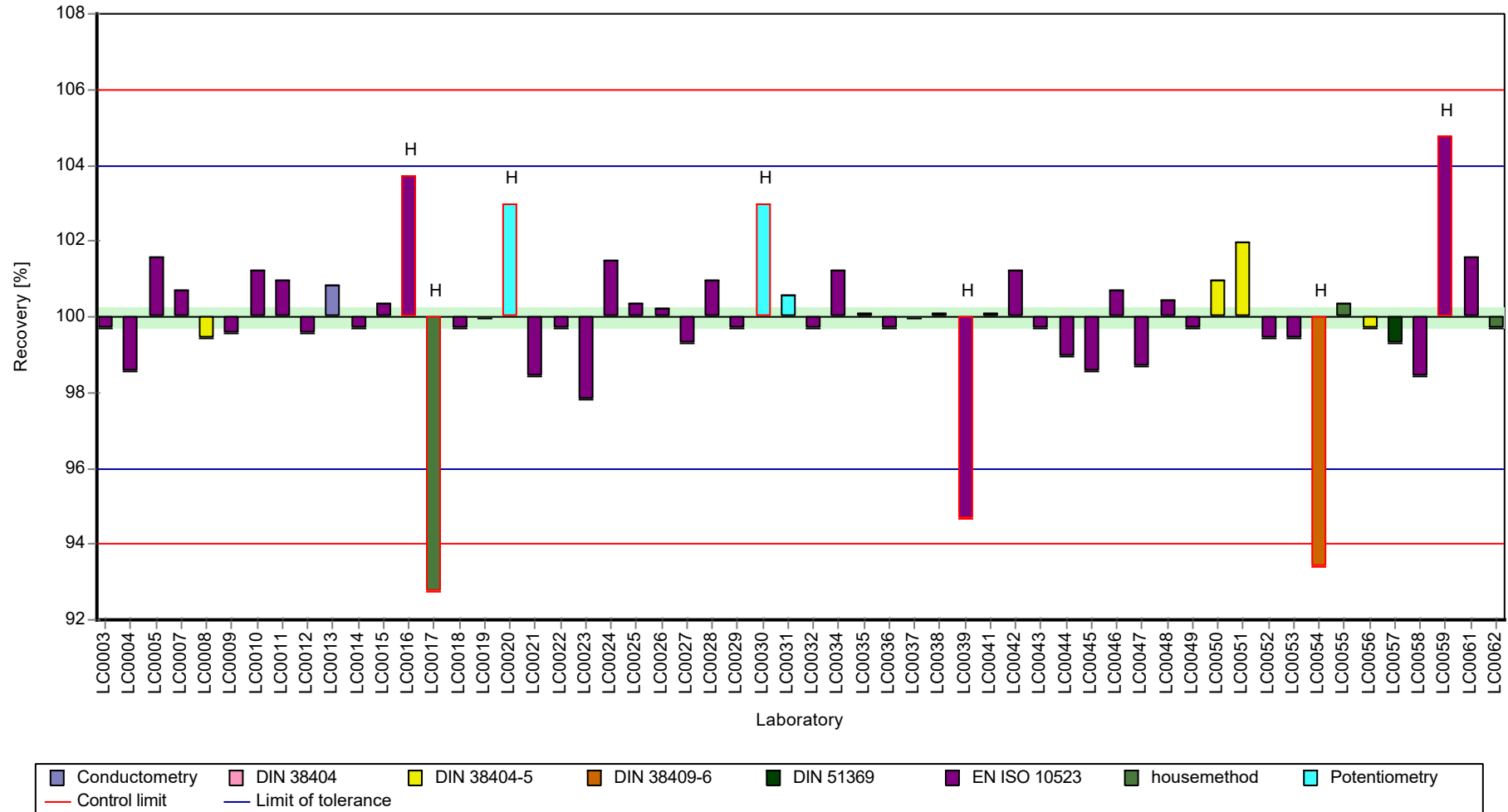
	all results	without outliers	Unit
Mean ± CI (99%)	7.92 ± 0.0634	7.92 ± 0.0313	-
Minimum	7.35	7.75	-
Maximum	8.3	8.08	-
Standard deviation	0.158	0.0731	-
rel. standard deviation	2	0.922	%
n	56	49	-

Graphical presentation of results

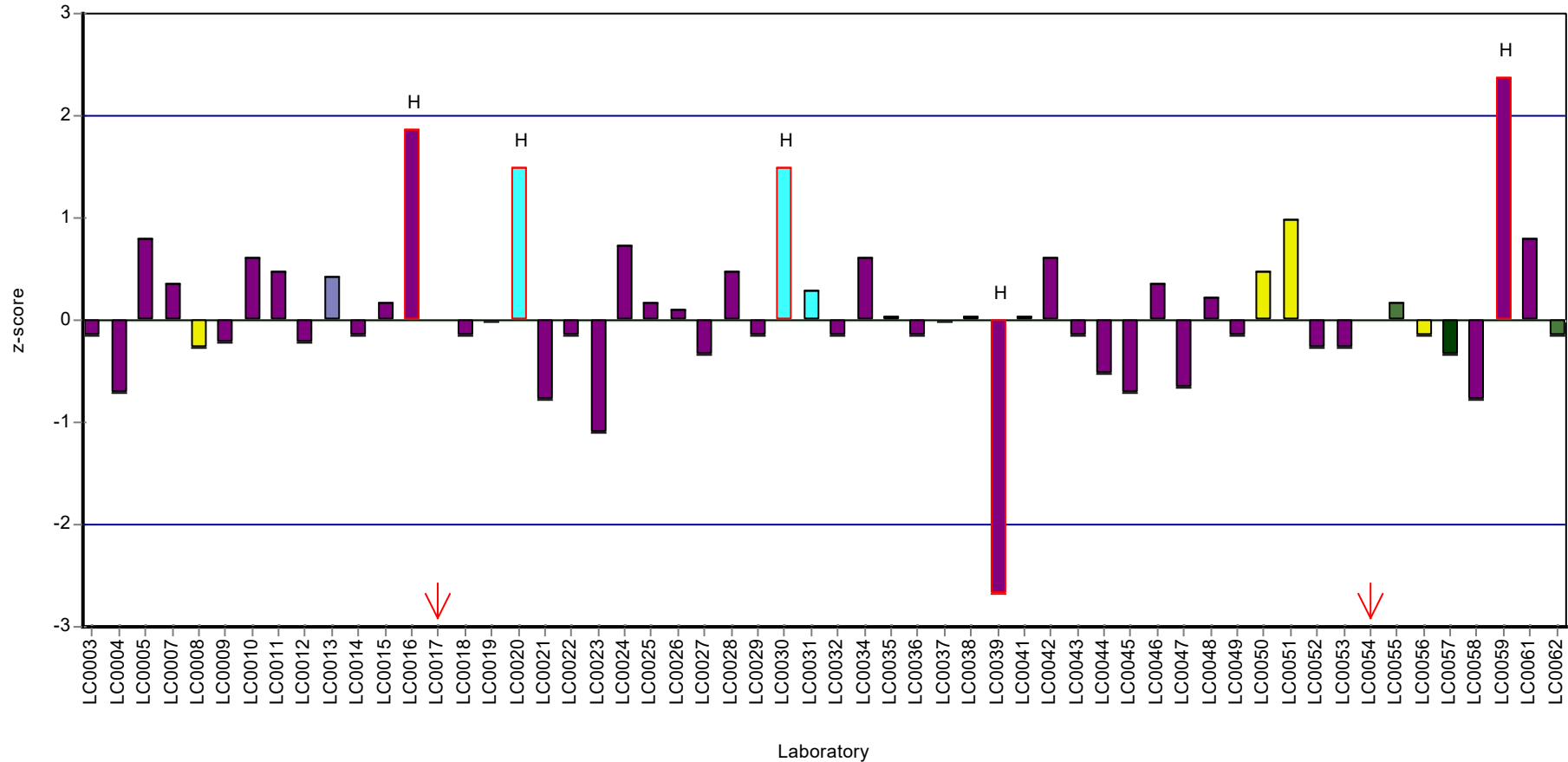
Results



Recovery rate



Z-score



Parameter oriented report

N155 A

Potassium

Unit	mg/l
Assigned value ± U (k=2)	2.4 ± 0.0526
Criterion	0.125 (5.2 %)
Minimum - Maximum	2.04 - 2.67
Control test value ± U (k=2)	2.25 ± 0.09

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	2.31	0.02	96.4	-0.7	
LC0002	-	-	-	-	
LC0003	-	-	-	-	
LC0004	2.45	0.23	102	0.42	
LC0005	2.4	0.058	100	0.02	
LC0006	-	-	-	-	
LC0007	2.67	0.19	111	2.19	
LC0008	-	-	-	-	
LC0009	-	-	-	-	
LC0010	2.21	0.16	92.2	-1.5	
LC0011	2.26	0.23	94.3	-1.1	
LC0012	2.37	0.3	98.9	-0.22	
LC0013	2.67	0.02	111	2.19	
LC0014	-	-	-	-	
LC0015	2.3	0.5	95.9	-0.78	
LC0016	1.93	0.193	80.5	-3.75	H
LC0017	-	-	-	-	
LC0018	2.37	0.071	98.9	-0.22	
LC0019	-	-	-	-	
LC0020	2.17	0.33	90.5	-1.82	
LC0021	-	-	-	-	
LC0022	2.45	0.13	102	0.42	
LC0023	2.31	0.35	96.4	-0.7	
LC0024	2.63	0.21	110	1.87	
LC0025	2.29	0.3	95.5	-0.86	
LC0026	-	-	-	-	
LC0027	2.44	0.73	102	0.34	
LC0028	2.2	0.33	91.8	-1.58	
LC0029	2.44	0.24	102	0.34	
LC0030	2.37	0.43	98.9	-0.22	
LC0031	<2.47 (LOD)	-	-	-	
LC0032	2.5	0.5	104	0.82	
LC0033	-	-	-	-	
LC0034	2.32	1	96.8	-0.62	
LC0035	2.53	0.029	106	1.06	
LC0036	-	-	-	-	
LC0037	2.4	0.082	100	0.02	
LC0038	-	-	-	-	
LC0039	2.52	0.51	105	0.98	
LC0040	2.56	0.256	107	1.31	
LC0041	2.63	0.04	110	1.87	

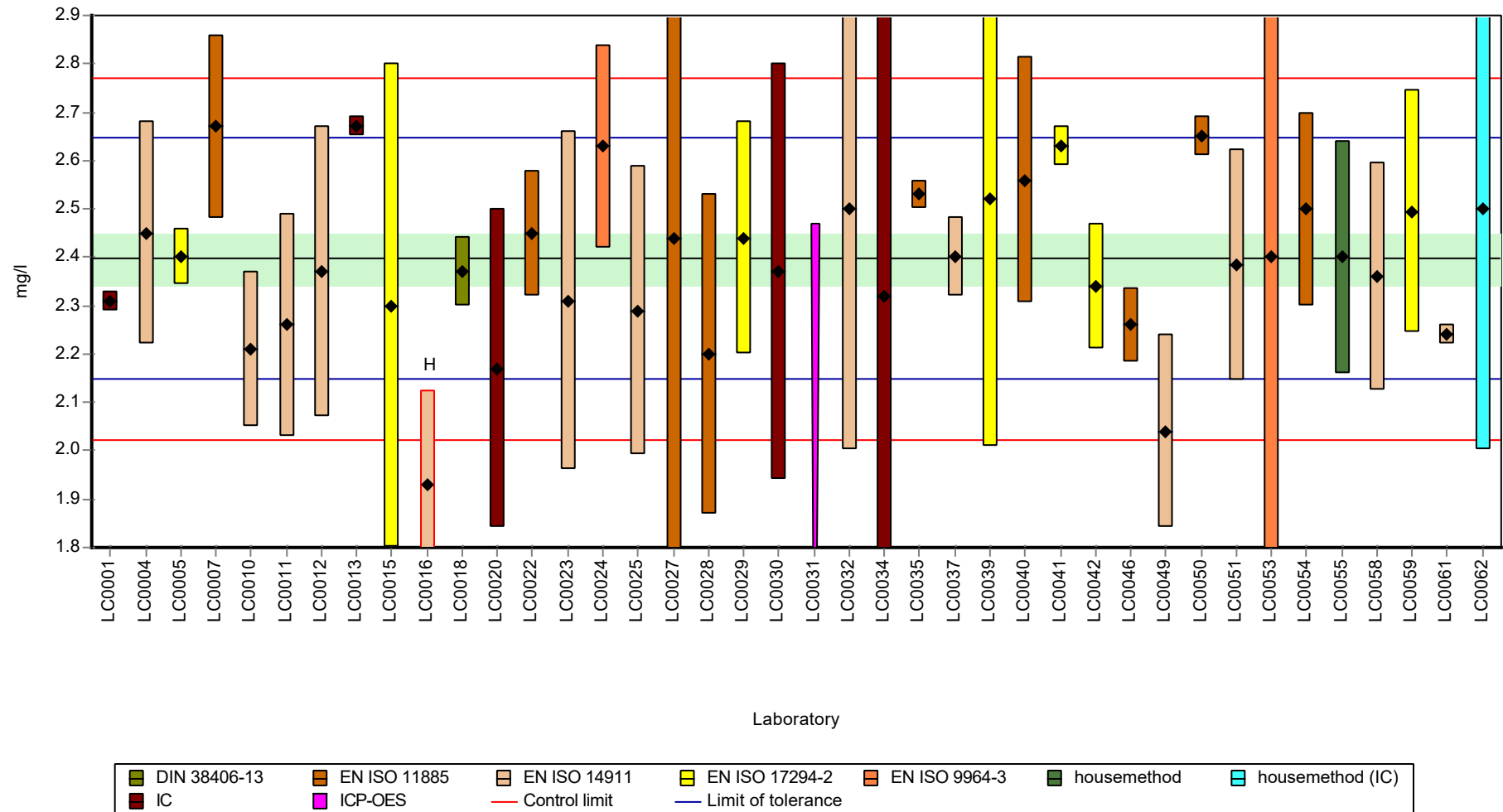
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	2.34	0.13	97.6	-0.46	
LC0043	-	-	-	-	
LC0044	-	-	-	-	
LC0045	-	-	-	-	
LC0046	2.26	0.077	94.3	-1.1	
LC0047	-	-	-	-	
LC0048	-	-	-	-	
LC0049	2.04	0.2	85.1	-2.87	
LC0050	2.65	0.04	111	2.03	
LC0051	2.385	0.24	99.5	-0.1	
LC0052	-	-	-	-	
LC0053	2.4	1.14	100	0.02	
LC0054	2.5	0.2	104	0.82	
LC0055	2.4	0.24	100	0.02	
LC0056	-	-	-	-	
LC0057	-	-	-	-	
LC0058	2.36	0.236	98.4	-0.3	
LC0059	2.495	0.25	104	0.78	
LC0060	-	-	-	-	
LC0061	2.24	0.02	93.4	-1.26	
LC0062	2.5	0.5	104	0.82	

Characteristics of parameter

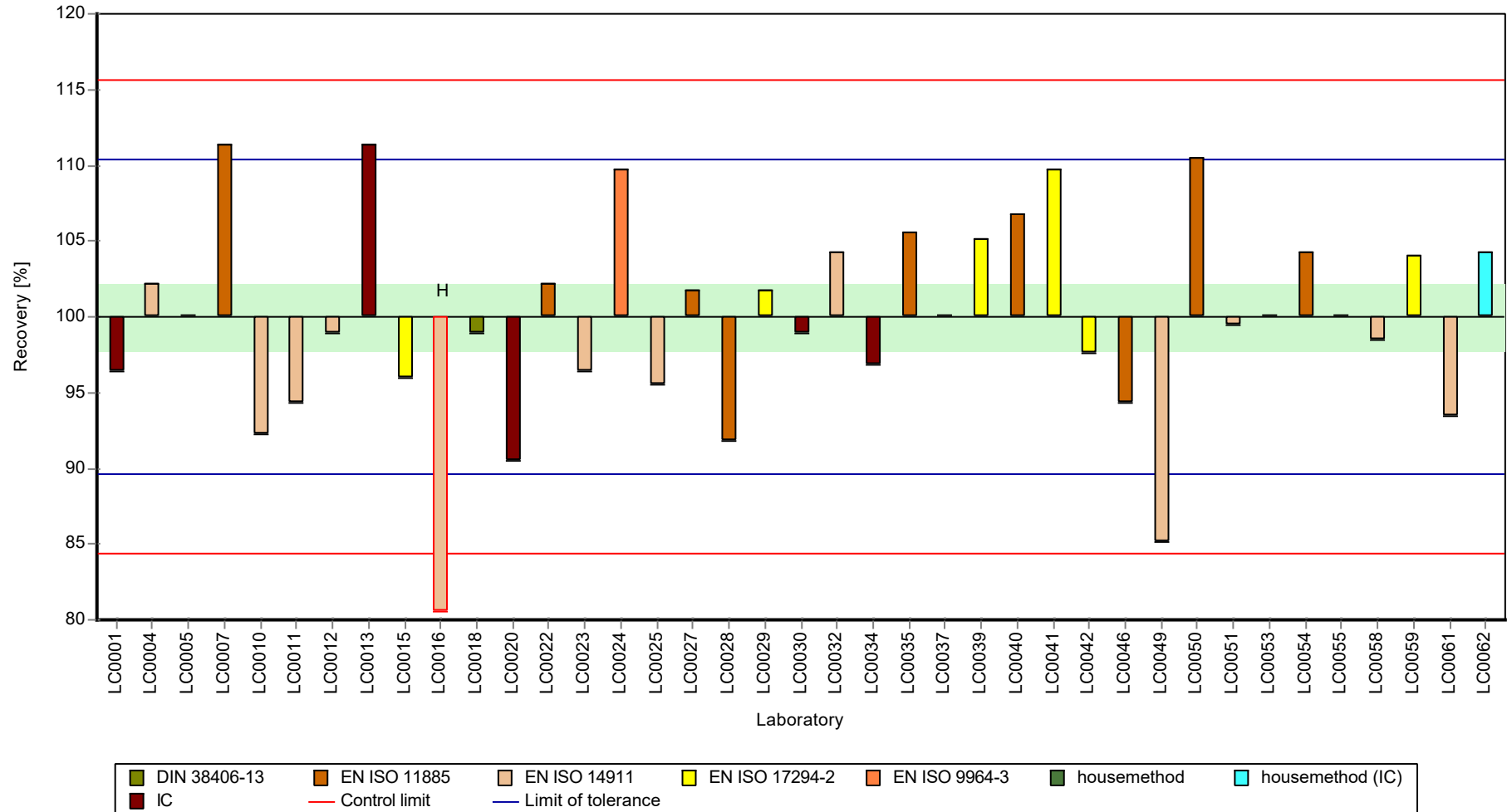
	all results	without outliers	Unit
Mean ± CI (99%)	2.39 ± 0.0784	2.4 ± 0.0713	mg/l
Minimum	1.93	2.04	mg/l
Maximum	2.67	2.67	mg/l
Standard deviation	0.163	0.146	mg/l
rel. standard deviation	6.83	6.09	%
n	39	38	-

Graphical presentation of results

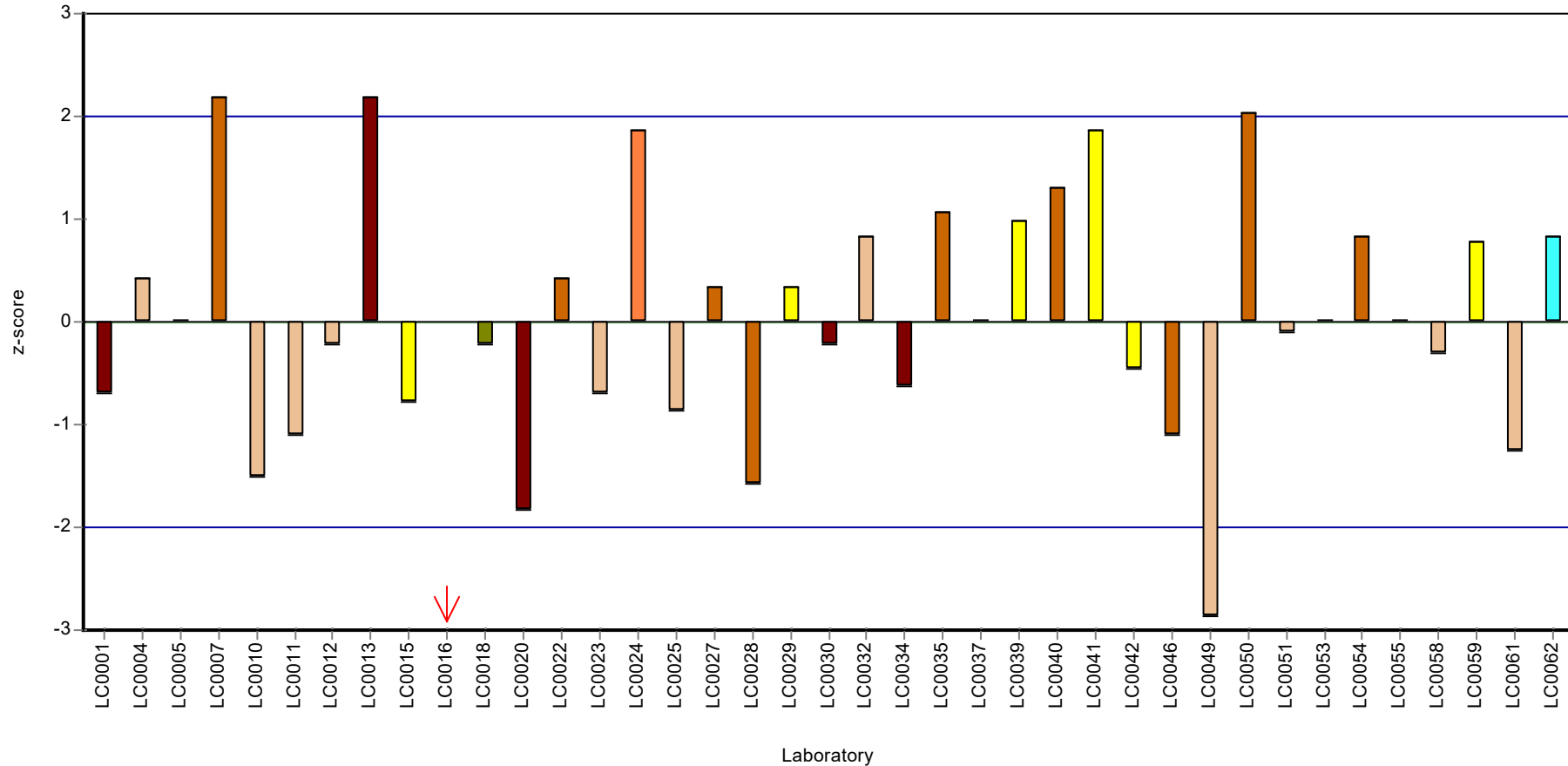
Results



Recovery rate



Z-score



Parameter oriented report

N155 B

Potassium

Unit	mg/l
Assigned value ± U (k=2)	2.94 ± 0.0476
Criterion	0.153 (5.2 %)
Minimum - Maximum	2.67 - 3.18
Control test value ± U (k=2)	2.78 ± 0.111

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	2.85	0.02	96.9	-0.59	
LC0002	-	-	-	-	
LC0003	-	-	-	-	
LC0004	3.06	0.28	104	0.78	
LC0005	2.95	0.071	100	0.06	
LC0006	-	-	-	-	
LC0007	2.98	0.21	101	0.26	
LC0008	-	-	-	-	
LC0009	-	-	-	-	
LC0010	2.77	0.2	94.2	-1.12	
LC0011	2.88	0.29	97.9	-0.4	
LC0012	2.89	0.37	98.3	-0.33	
LC0013	3.17	0.02	108	1.5	
LC0014	-	-	-	-	
LC0015	2.8	0.6	95.2	-0.92	
LC0016	2.7	0.27	91.8	-1.57	
LC0017	-	-	-	-	
LC0018	2.88	0.086	97.9	-0.4	
LC0019	-	-	-	-	
LC0020	2.98	0.01	101	0.26	
LC0021	-	-	-	-	
LC0022	2.97	0.15	101	0.19	
LC0023	2.929	0.44	99.6	-0.08	
LC0024	3.18	0.25	108	1.57	
LC0025	3.11	0.5	106	1.11	
LC0026	-	-	-	-	
LC0027	2.93	0.88	99.6	-0.07	
LC0028	2.6	0.4	88.4	-2.23	H
LC0029	2.98	0.3	101	0.26	
LC0030	2.93	0.53	99.6	-0.07	
LC0031	< 2.87 (LOQ)	-	-	-	
LC0032	3	0.5	102	0.39	
LC0033	-	-	-	-	
LC0034	2.83	1	96.2	-0.72	
LC0035	3.07	0.031	104	0.85	
LC0036	-	-	-	-	
LC0037	3	0.103	102	0.39	
LC0038	-	-	-	-	
LC0039	3.08	0.62	105	0.91	
LC0040	3.26	0.326	111	2.09	H
LC0041	3.1	0.1	105	1.04	

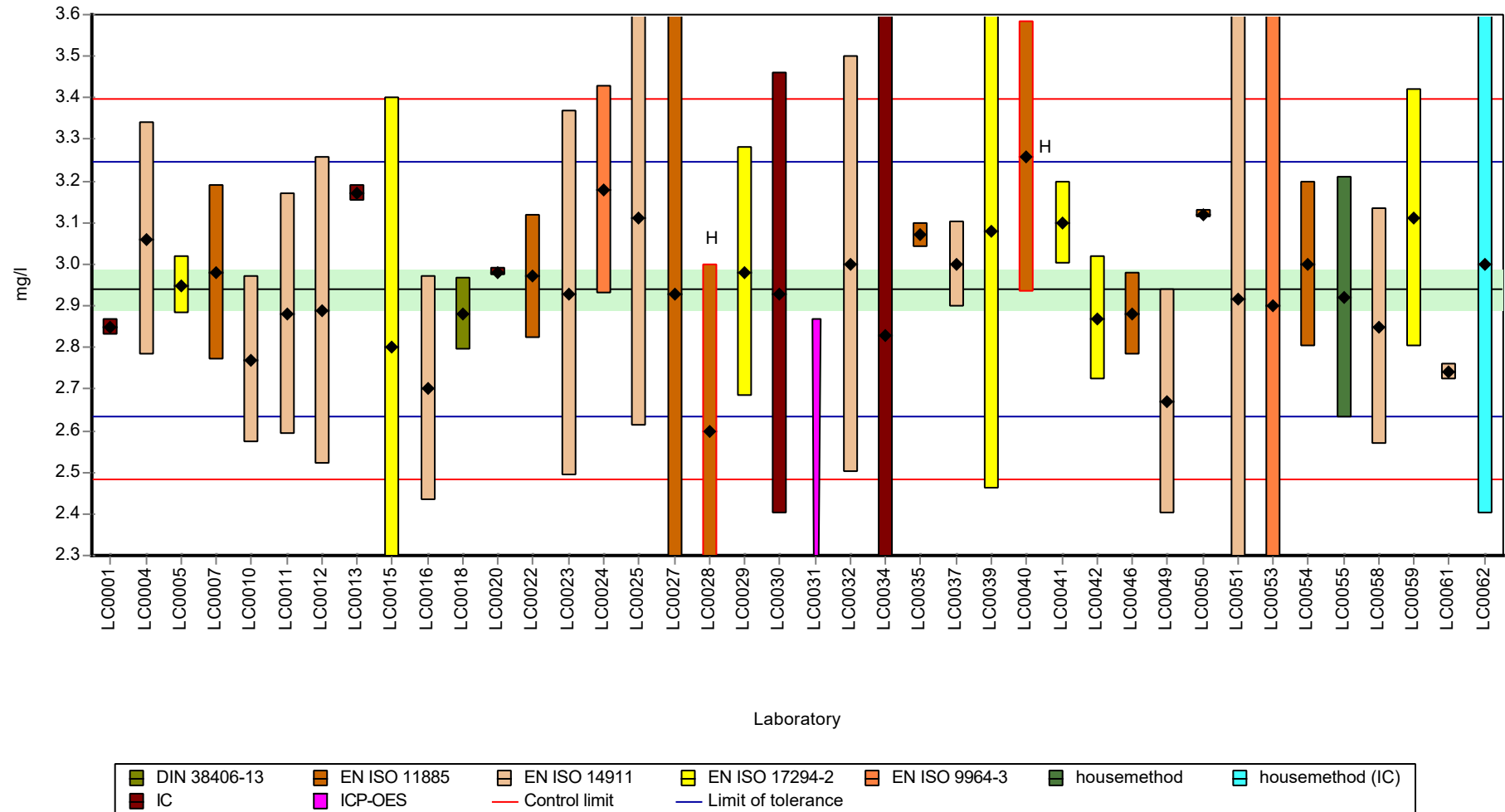
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	2.87	0.15	97.6	-0.46	
LC0043	-	-	-	-	
LC0044	-	-	-	-	
LC0045	-	-	-	-	
LC0046	2.88	0.098	97.9	-0.4	
LC0047	-	-	-	-	
LC0048	-	-	-	-	
LC0049	2.67	0.27	90.8	-1.77	
LC0050	3.12	0.01	106	1.17	
LC0051	2.916	2.9	99.2	-0.16	
LC0052	-	-	-	-	
LC0053	2.9	1.38	98.6	-0.27	
LC0054	3	0.2	102	0.39	
LC0055	2.92	0.29	99.3	-0.13	
LC0056	-	-	-	-	
LC0057	-	-	-	-	
LC0058	2.85	0.285	96.9	-0.59	
LC0059	3.11	0.31	106	1.11	
LC0060	-	-	-	-	
LC0061	2.74	0.02	93.2	-1.31	
LC0062	3	0.6	102	0.39	

Characteristics of parameter

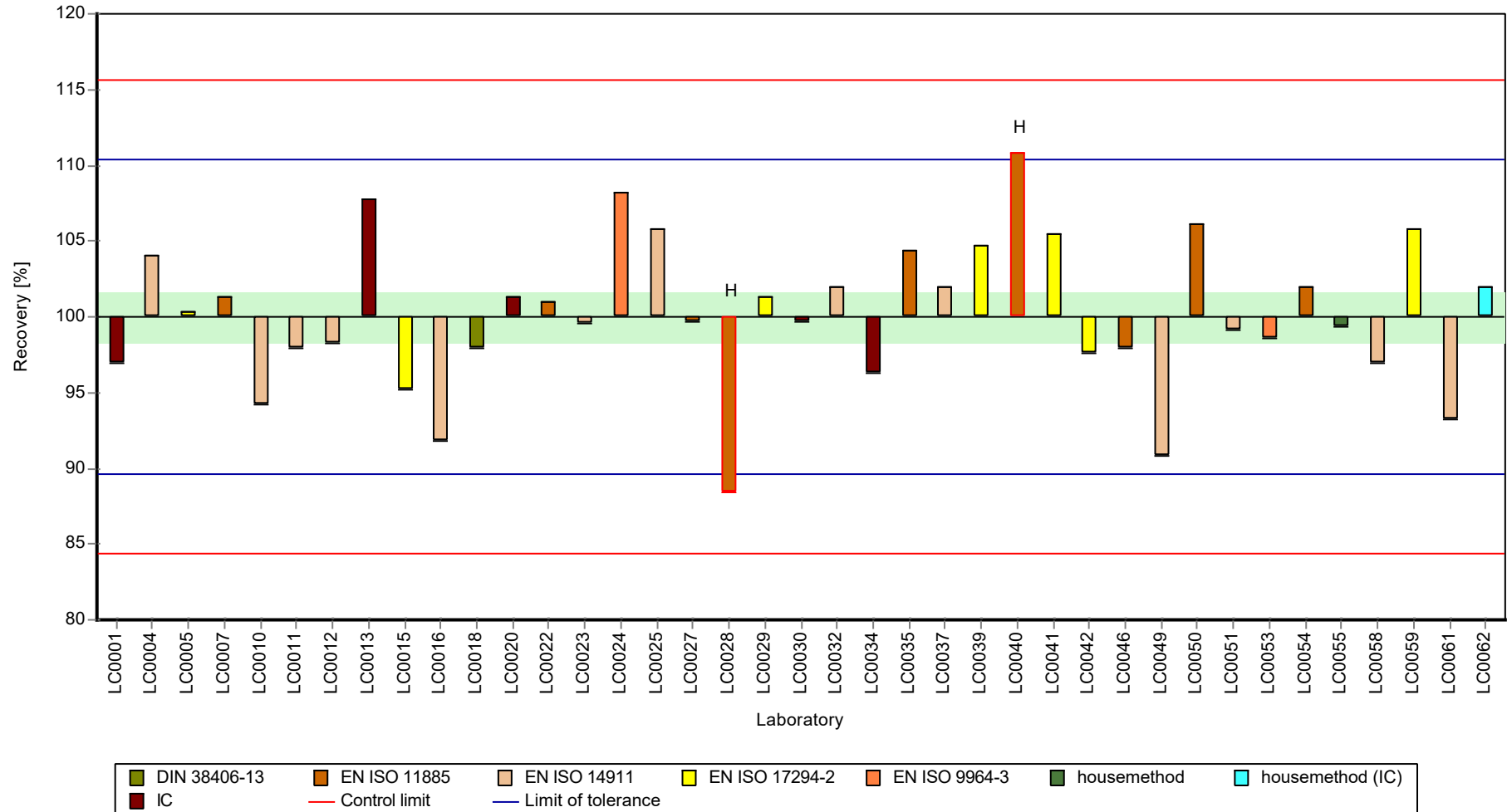
	all results	without outliers	Unit
Mean ± CI (99%)	2.94 ± 0.0689	2.95 ± 0.0618	mg/l
Minimum	2.6	2.67	mg/l
Maximum	3.26	3.18	mg/l
Standard deviation	0.144	0.125	mg/l
rel. standard deviation	4.87	4.25	%
n	39	37	-

Graphical presentation of results

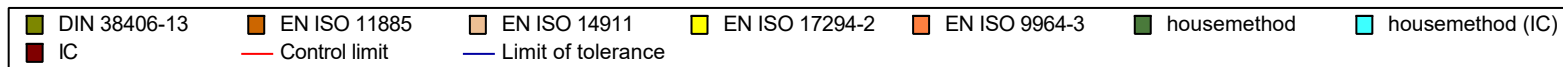
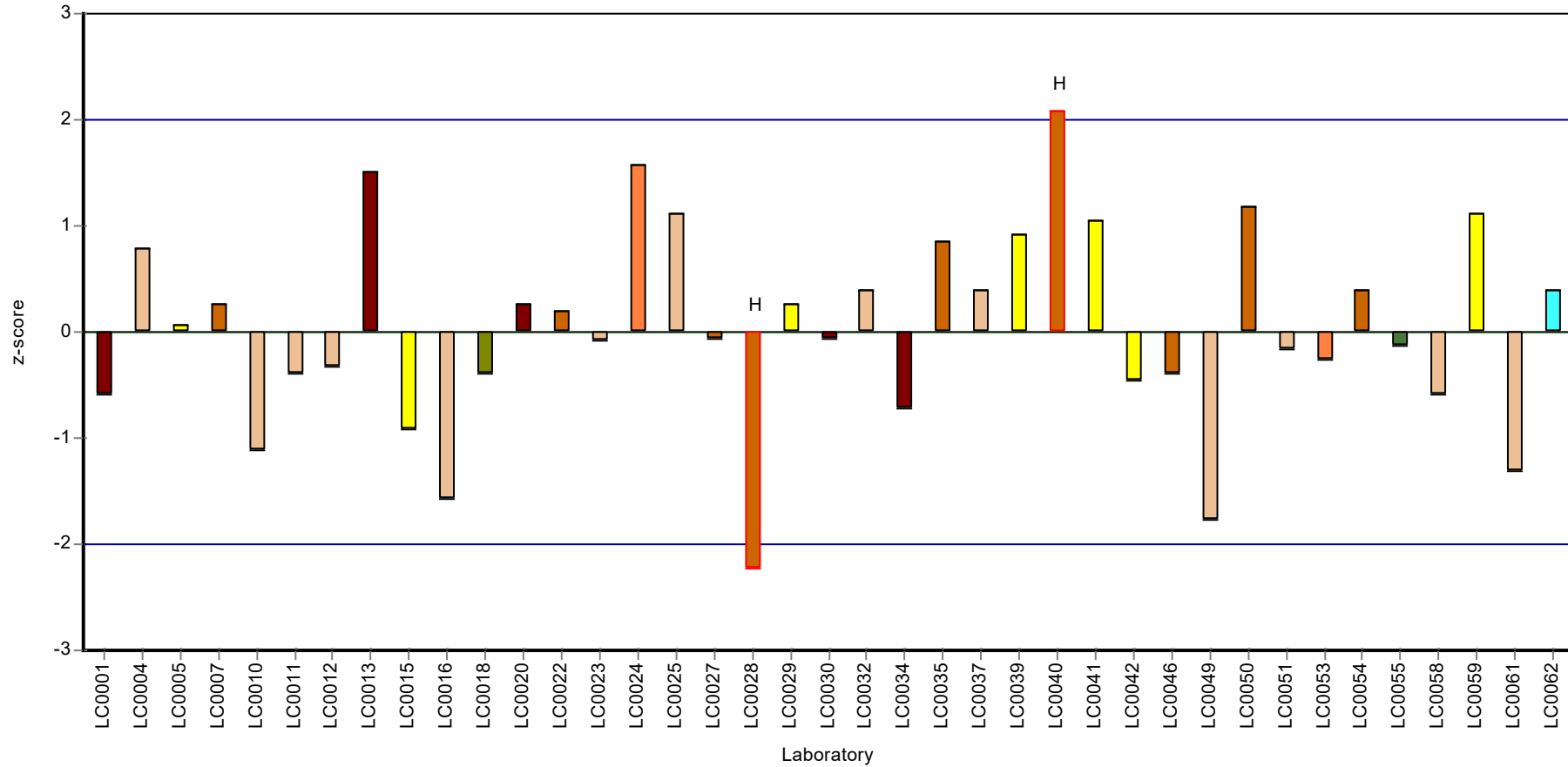
Results



Recovery rate



Z-score



Parameter oriented report

N155 A

Sodium

Unit	mg/l
Assigned value ± U (k=2)	21.5 ± 0.289
Criterion	0.73 (3.4 %)
Minimum - Maximum	19.4 - 23.1
Control test value ± U (k=2)	20.5 ± 0.822

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	21	0.06	97.8	-0.66	
LC0002	-	-	-	-	
LC0003	-	-	-	-	
LC0004	21.9	2	102	0.57	
LC0005	21	0.324	97.8	-0.66	
LC0006	-	-	-	-	
LC0007	21.1	1.5	98.2	-0.52	
LC0008	-	-	-	-	
LC0009	-	-	-	-	
LC0010	21.5	1.1	100	0.03	
LC0011	21.3	2.1	99.2	-0.25	
LC0012	21.6	1.7	101	0.16	
LC0013	22.4	0.08	104	1.26	
LC0014	-	-	-	-	
LC0015	20.5	4	95.4	-1.34	
LC0016	19.4	3.104	90.3	-2.85	
LC0017	-	-	-	-	
LC0018	22	0.66	102	0.71	
LC0019	-	-	-	-	
LC0020	21.03	0.44	97.9	-0.62	
LC0021	-	-	-	-	
LC0022	21.9	1.1	102	0.57	
LC0023	22.682	3.4	106	1.64	
LC0024	21.86	3	102	0.52	
LC0025	21.6	4	101	0.16	
LC0026	-	-	-	-	
LC0027	22.4	6.7	104	1.26	
LC0028	20.4	3.1	95	-1.48	
LC0029	20.9	2.1	97.3	-0.8	
LC0030	21.4	3.9	99.6	-0.11	
LC0031	20.7	2.48	96.4	-1.07	
LC0032	21	1	97.8	-0.66	
LC0033	-	-	-	-	
LC0034	20.8	1	96.8	-0.93	
LC0035	22.7	0.28	106	1.67	
LC0036	-	-	-	-	
LC0037	21.9	0.5	102	0.57	
LC0038	-	-	-	-	
LC0039	22	3.3	102	0.71	
LC0040	22.6	2.03	105	1.53	
LC0041	21.6	0.4	101	0.16	

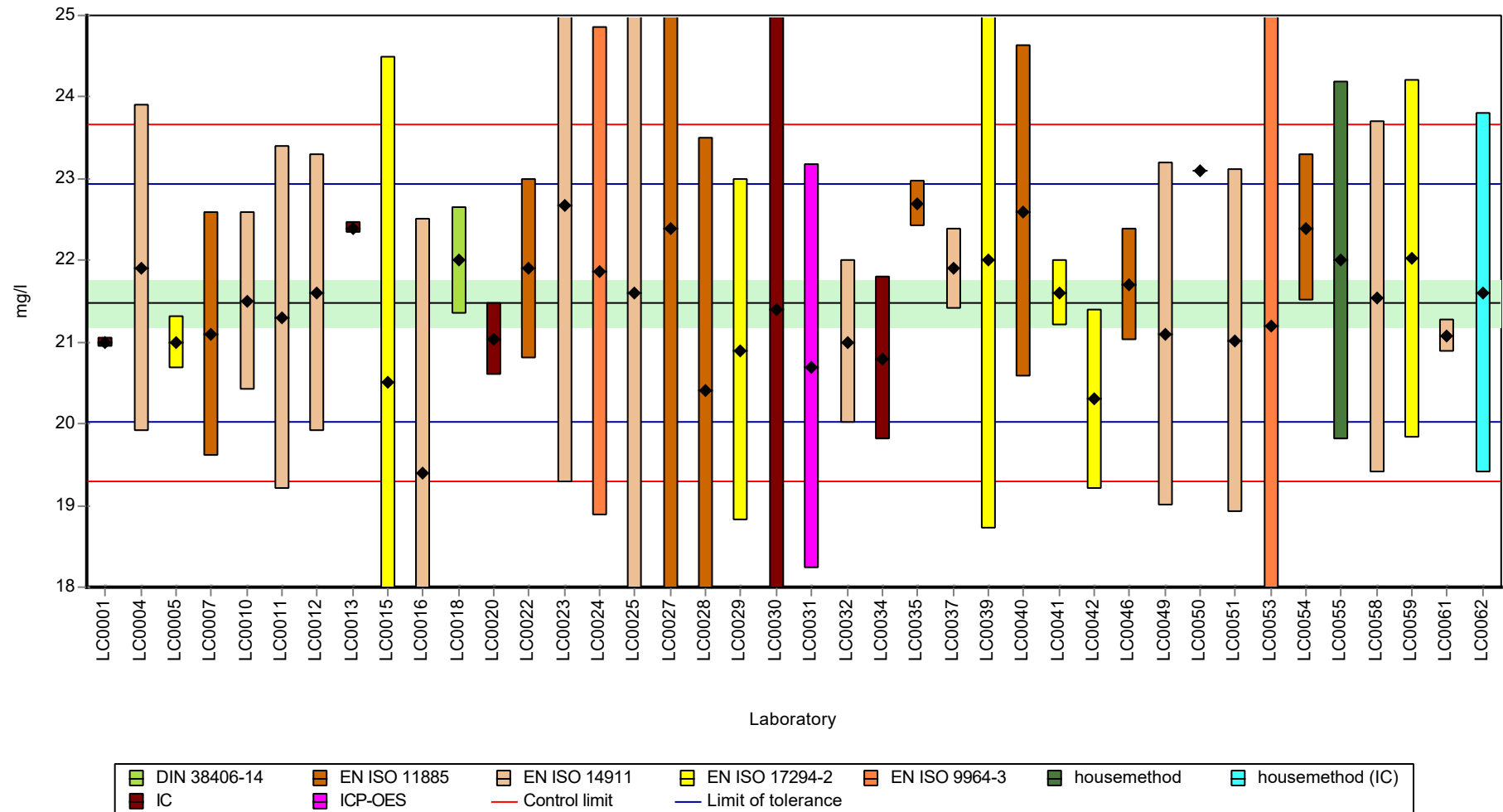
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	20.3	1.1	94.5	-1.62	
LC0043	-	-	-	-	
LC0044	-	-	-	-	
LC0045	-	-	-	-	
LC0046	21.7	0.69	101	0.3	
LC0047	-	-	-	-	
LC0048	-	-	-	-	
LC0049	21.1	2.1	98.2	-0.52	
LC0050	23.09	0.01	107	2.2	
LC0051	21.011	2.1	97.8	-0.64	
LC0052	-	-	-	-	
LC0053	21.2	3.88	98.7	-0.39	
LC0054	22.4	0.9	104	1.26	
LC0055	22	2.2	102	0.71	
LC0056	-	-	-	-	
LC0057	-	-	-	-	
LC0058	21.55	2.155	100	0.09	
LC0059	22.02	2.2	103	0.74	
LC0060	-	-	-	-	
LC0061	21.08	0.2	98.1	-0.55	
LC0062	21.6	2.2	101	0.16	

Characteristics of parameter

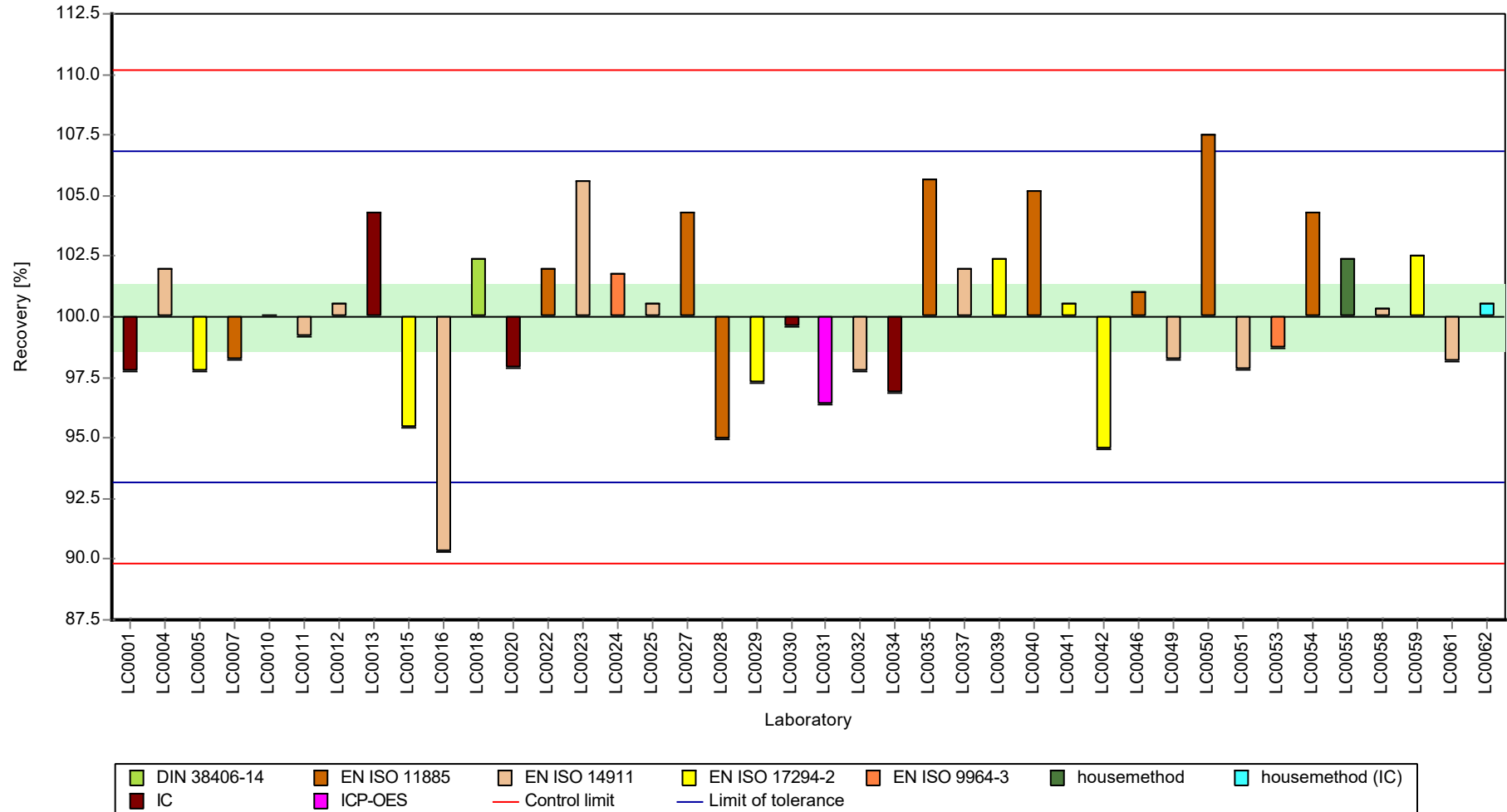
	all results	without outliers	Unit
Mean ± CI (99%)	21.5 ± 0.357	21.5 ± 0.357	mg/l
Minimum	19.4	19.4	mg/l
Maximum	23.1	23.1	mg/l
Standard deviation	0.753	0.753	mg/l
rel. standard deviation	3.5	3.5	%
n	40	40	-

Graphical presentation of results

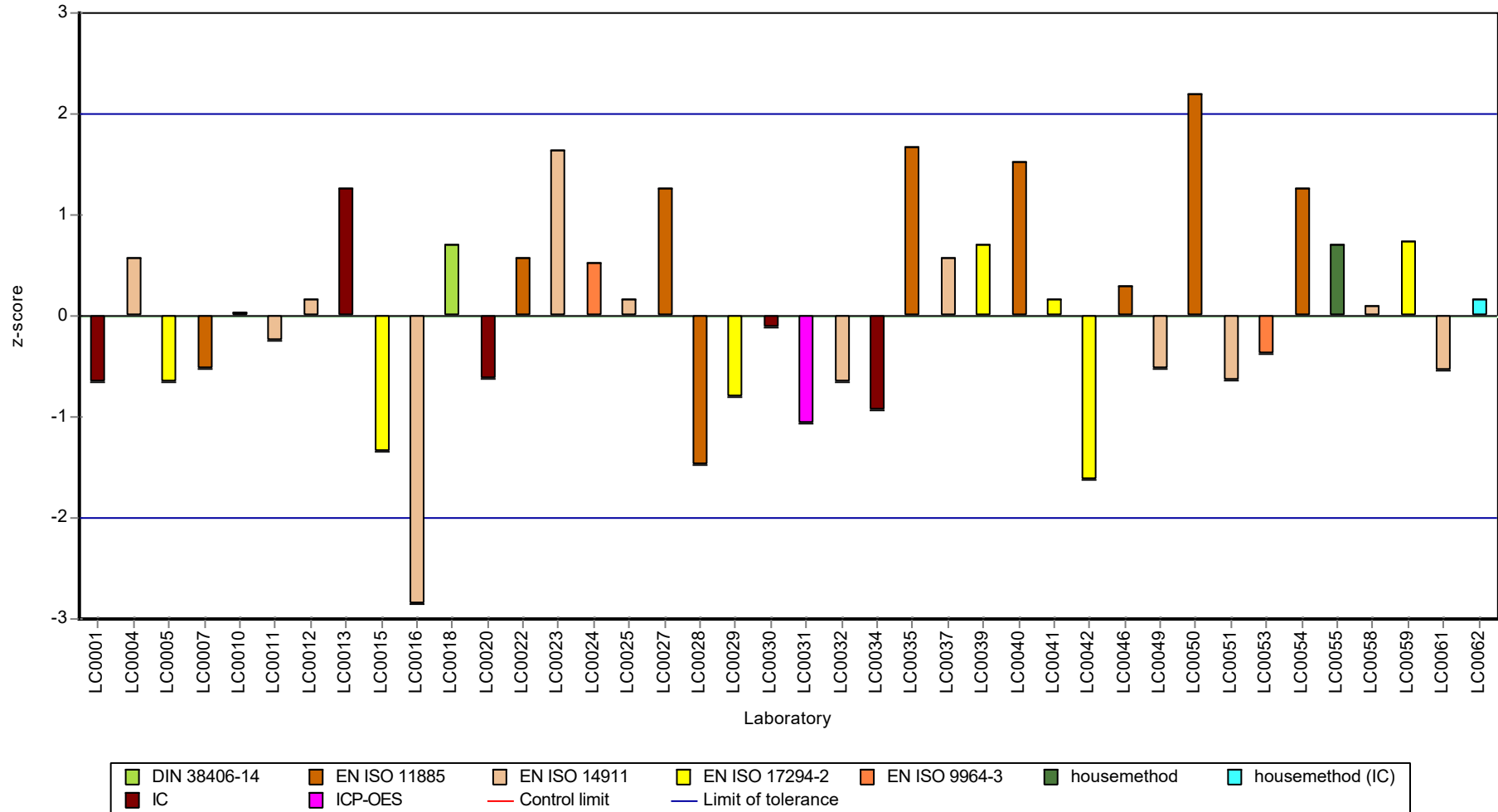
Results



Recovery rate



Z-score



Parameter oriented report

N155 B

Sodium

Unit	mg/l
Assigned value ± U (k=2)	25.6 ± 0.277
Criterion	0.87 (3.4 %)
Minimum - Maximum	23.8 - 27.2
Control test value ± U (k=2)	24.5 ± 0.979

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	25.1	0.4	98.1	-0.55	
LC0002	-	-	-	-	
LC0003	-	-	-	-	
LC0004	25.8	2.3	101	0.26	
LC0005	26	0.625	102	0.49	
LC0006	-	-	-	-	
LC0007	24.9	1.8	97.4	-0.78	
LC0008	-	-	-	-	
LC0009	-	-	-	-	
LC0010	25.8	1.3	101	0.26	
LC0011	25.3	2.5	98.9	-0.32	
LC0012	25.4	2	99.3	-0.2	
LC0013	26.4	0.3	103	0.95	
LC0014	-	-	-	-	
LC0015	24.5	5	95.8	-1.24	
LC0016	23.03	3.685	90	-2.93	H
LC0017	-	-	-	-	
LC0018	25.9	0.78	101	0.37	
LC0019	-	-	-	-	
LC0020	25.21	0.41	98.6	-0.42	
LC0021	-	-	-	-	
LC0022	26	1.3	102	0.49	
LC0023	26.545	3.98	104	1.11	
LC0024	26.6	3.6	104	1.18	
LC0025	25.6	4	100	0.03	
LC0026	-	-	-	-	
LC0027	26.2	7.9	102	0.72	
LC0028	24	3.6	93.8	-1.81	
LC0029	24.9	2.5	97.4	-0.78	
LC0030	25.2	4.5	98.5	-0.43	
LC0031	23	2.76	89.9	-2.96	H
LC0032	26	1	102	0.49	
LC0033	-	-	-	-	
LC0034	24.6	1	96.2	-1.12	
LC0035	26.1	0.28	102	0.6	
LC0036	-	-	-	-	
LC0037	25.2	0.6	98.5	-0.43	
LC0038	-	-	-	-	
LC0039	26.1	3.9	102	0.6	
LC0040	26.1	2.35	102	0.6	
LC0041	25.9	1.3	101	0.37	

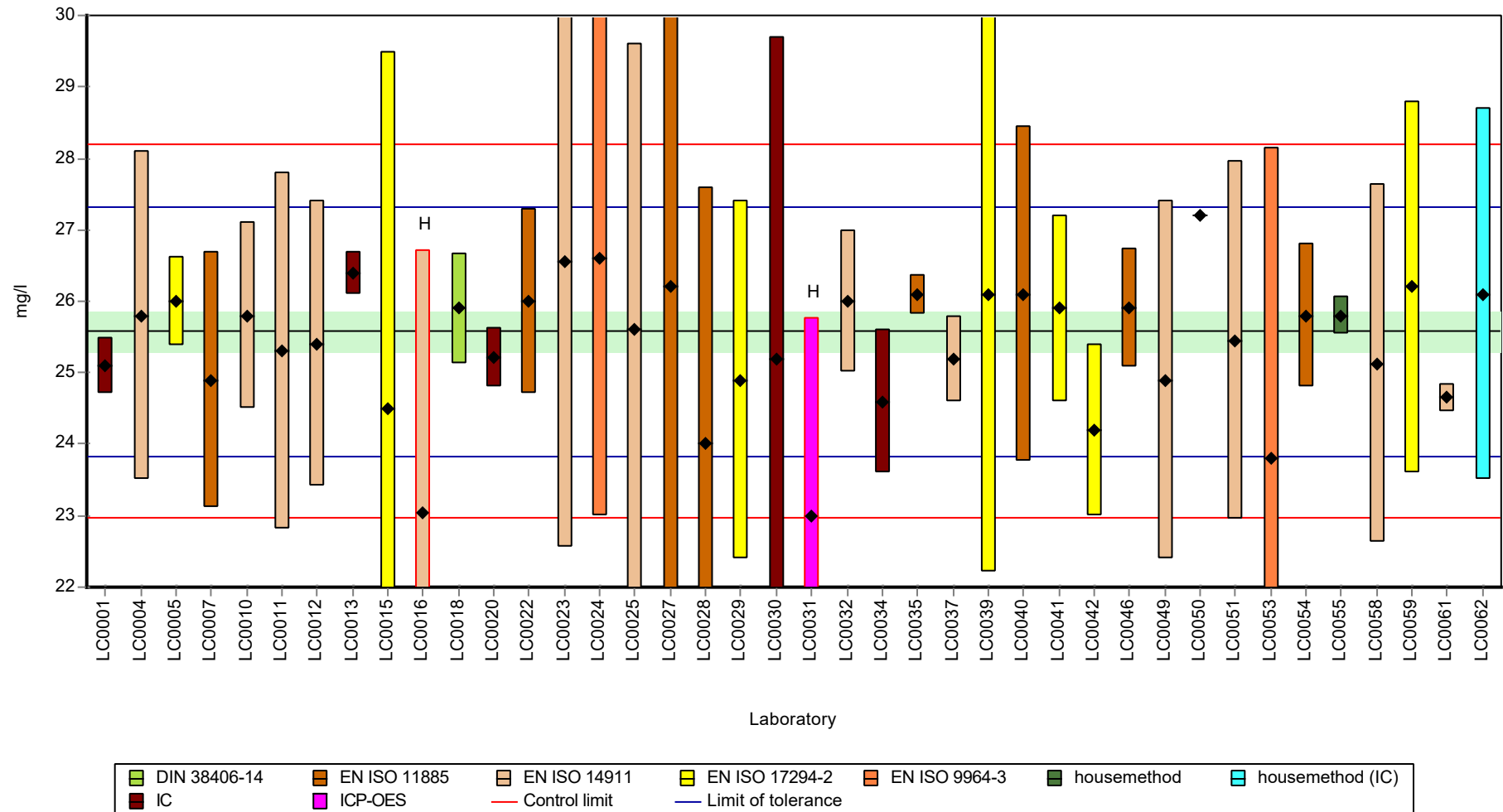
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	24.2	1.2	94.6	-1.58	
LC0043	-	-	-	-	
LC0044	-	-	-	-	
LC0045	-	-	-	-	
LC0046	25.9	0.83	101	0.37	
LC0047	-	-	-	-	
LC0048	-	-	-	-	
LC0049	24.9	2.5	97.4	-0.78	
LC0050	27.21	0.01	106	1.88	
LC0051	25.456	2.5	99.5	-0.14	
LC0052	-	-	-	-	
LC0053	23.8	4.35	93.1	-2.04	
LC0054	25.8	1	101	0.26	
LC0055	25.8	0.26	101	0.26	
LC0056	-	-	-	-	
LC0057	-	-	-	-	
LC0058	25.13	2.513	98.3	-0.51	
LC0059	26.2	2.6	102	0.72	
LC0060	-	-	-	-	
LC0061	24.65	0.2	96.4	-1.07	
LC0062	26.1	2.6	102	0.6	

Characteristics of parameter

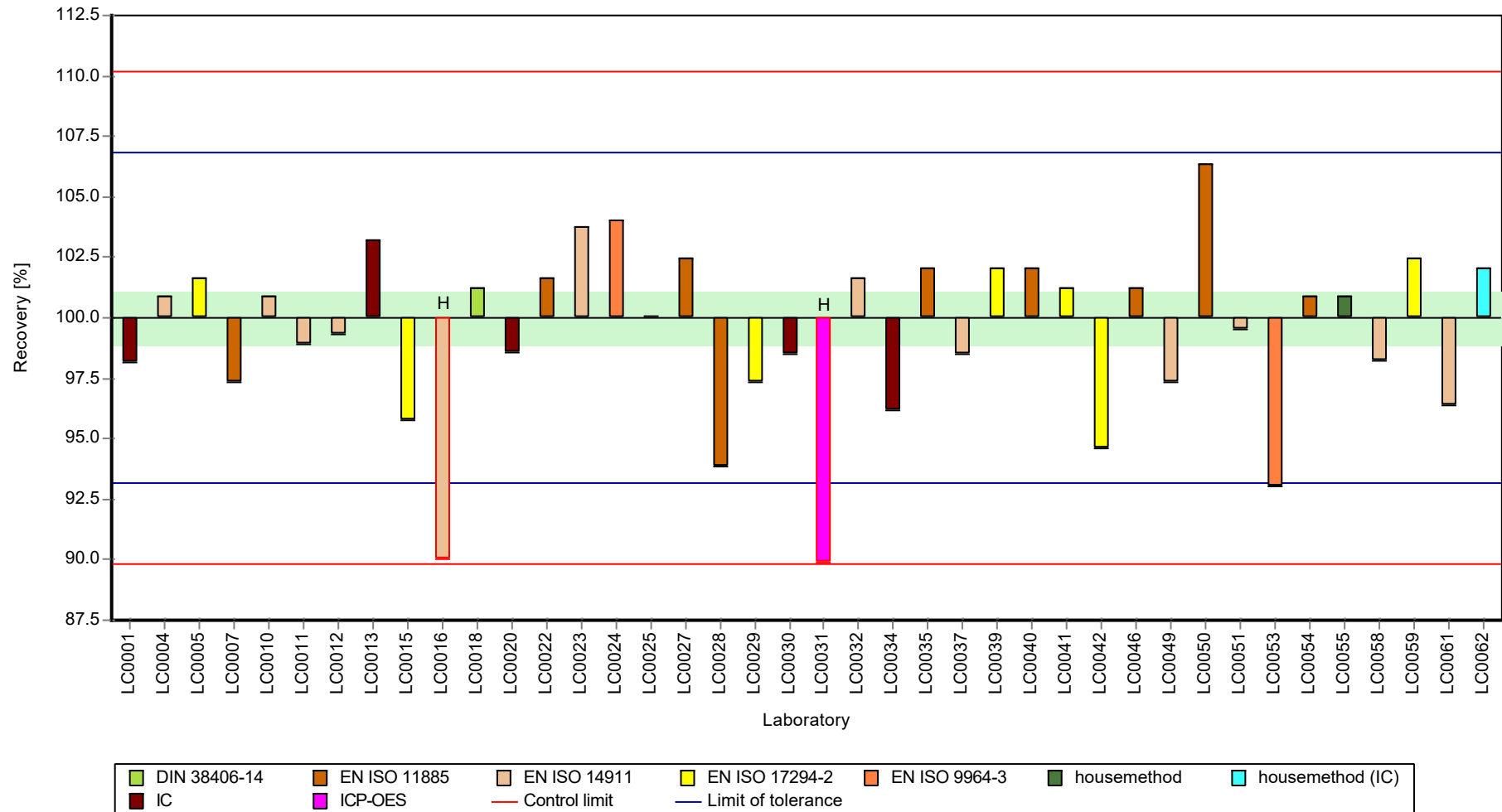
	all results	without outliers	Unit
Mean ± CI (99%)	25.4 ± 0.437	25.5 ± 0.367	mg/l
Minimum	23	23.8	mg/l
Maximum	27.2	27.2	mg/l
Standard deviation	0.922	0.754	mg/l
rel. standard deviation	3.63	2.95	%
n	40	38	-

Graphical presentation of results

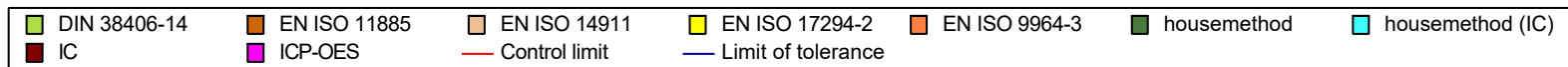
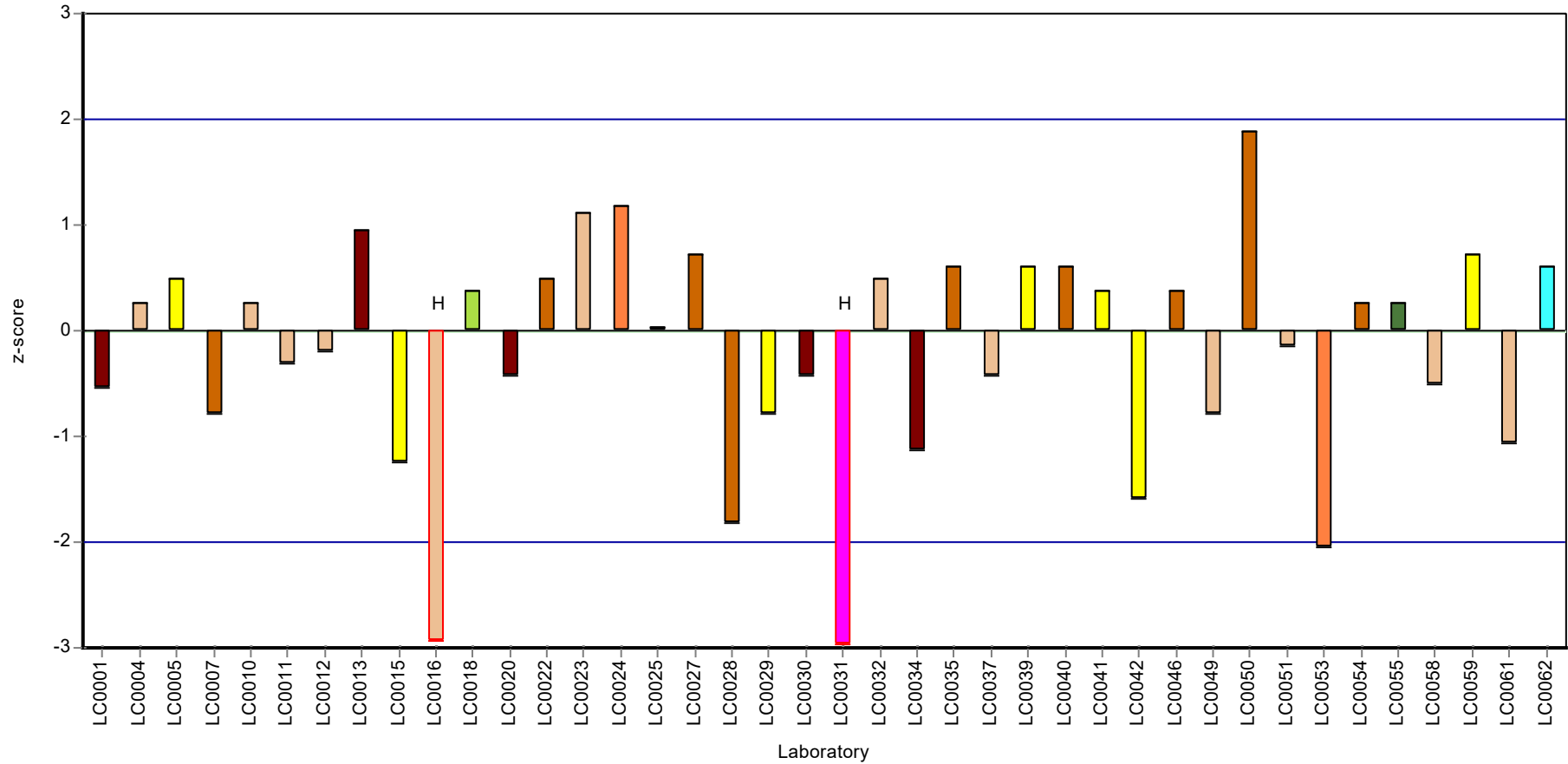
Results



Recovery rate



Z-score



Parameter oriented report

N155 A

Sulfate (as SO₄)

Unit	mg/l
Assigned value ± U (k=2)	94.2 ± 1.02
Criterion	3.11 (3.3 %)
Minimum - Maximum	84.4 - 101
Control test value ± U (k=2)	95.3 ± 4.77

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	94.1	0.4	99.8	-0.05	
LC0002	-	-	-	-	
LC0003	-	-	-	-	
LC0004	94.9	4.1	101	0.21	
LC0005	106	0.577	112	3.78	H
LC0006	-	-	-	-	
LC0007	97.3	3.2	103	0.98	
LC0008	92.114	5.61	97.7	-0.69	
LC0009	-	-	-	-	
LC0010	97	5	103	0.89	
LC0011	91.7	7.4	97.3	-0.82	
LC0012	95.9	17.4	102	0.53	
LC0013	90.3	4.02	95.8	-1.27	
LC0014	95.8	1.92	102	0.5	
LC0015	89	13	94.4	-1.69	
LC0016	91.3	5.478	96.9	-0.95	
LC0017	-	-	-	-	
LC0018	92.3	2.8	97.9	-0.63	
LC0019	97.4	1.95	103	1.01	
LC0020	91.56	2.18	97.2	-0.86	
LC0021	-	-	-	-	
LC0022	92.6	4.7	98.3	-0.53	
LC0023	92.25	13.8	97.9	-0.64	
LC0024	99.8	10.6	106	1.79	
LC0025	94	7	99.7	-0.08	
LC0026	-	-	-	-	
LC0027	88.8	8.9	94.2	-1.75	
LC0028	98	15	104	1.21	
LC0029	97.6	9.8	104	1.08	
LC0030	92.9	8.4	98.6	-0.43	
LC0031	93.2	14	98.9	-0.34	
LC0032	95	3	101	0.24	
LC0033	-	-	-	-	
LC0034	95.8	1	102	0.5	
LC0035	95.5	0.98	101	0.4	
LC0036	-	-	-	-	
LC0037	100.6	2.589	107	2.04	
LC0038	-	-	-	-	
LC0039	96	9.6	102	0.56	
LC0040	96.5	15.4	102	0.72	
LC0041	97.3	0.5	103	0.98	

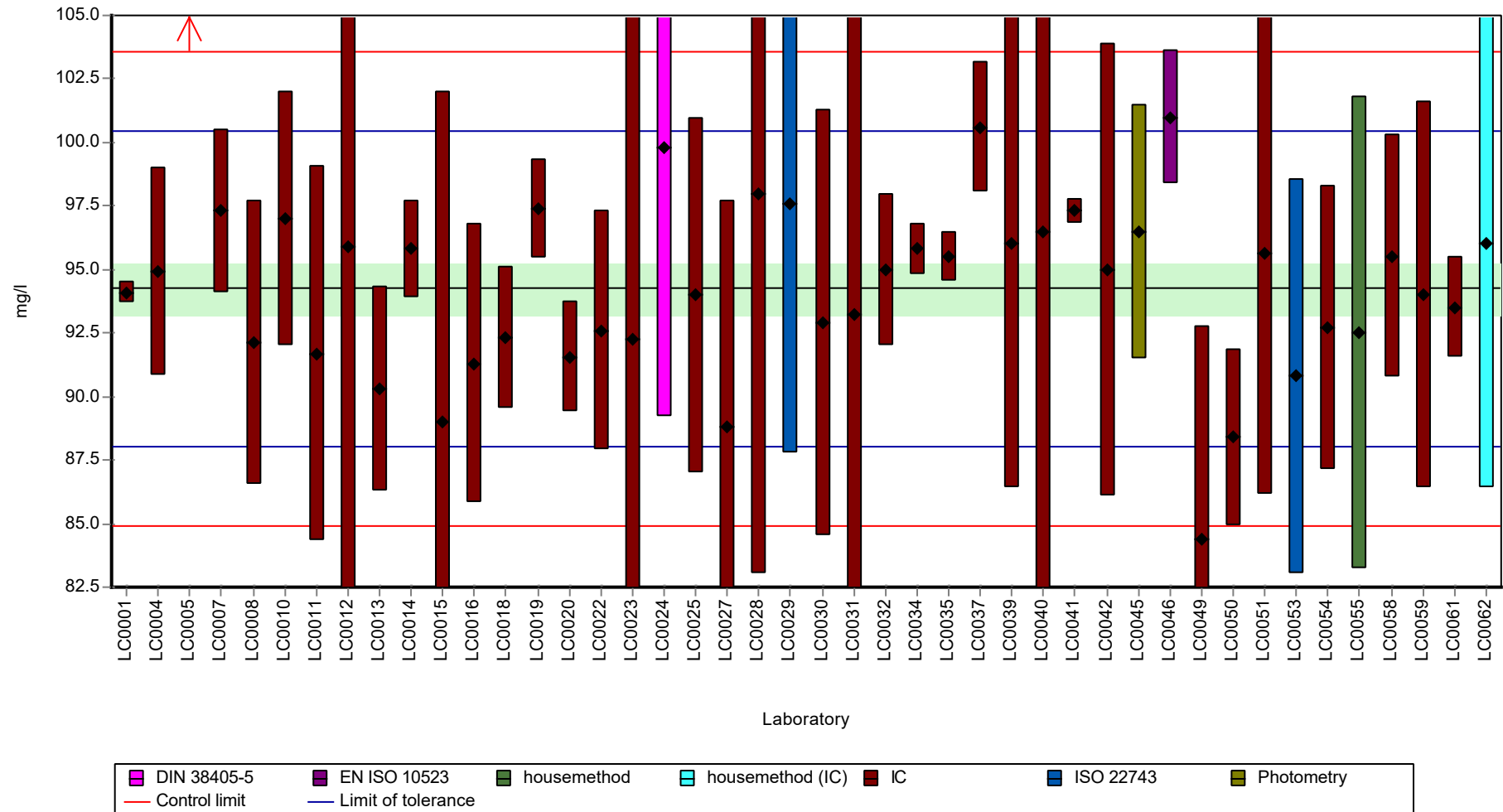
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	95	8.9	101	0.24	
LC0043	-	-	-	-	
LC0044	-	-	-	-	
LC0045	96.48	5	102	0.72	
LC0046	101	2.63	107	2.17	
LC0047	-	-	-	-	
LC0048	-	-	-	-	
LC0049	84.4	8.4	89.6	-3.17	
LC0050	88.4	3.49	93.8	-1.88	
LC0051	95.646	9.5	101	0.45	
LC0052	-	-	-	-	
LC0053	90.8	7.75	96.3	-1.11	
LC0054	92.7	5.6	98.4	-0.5	
LC0055	92.5	9.3	98.1	-0.56	
LC0056	-	-	-	-	
LC0057	-	-	-	-	
LC0058	95.52	4.776	101	0.41	
LC0059	94	7.62	99.7	-0.08	
LC0060	-	-	-	-	
LC0061	93.51	2	99.2	-0.24	
LC0062	96	9.6	102	0.56	

Characteristics of parameter

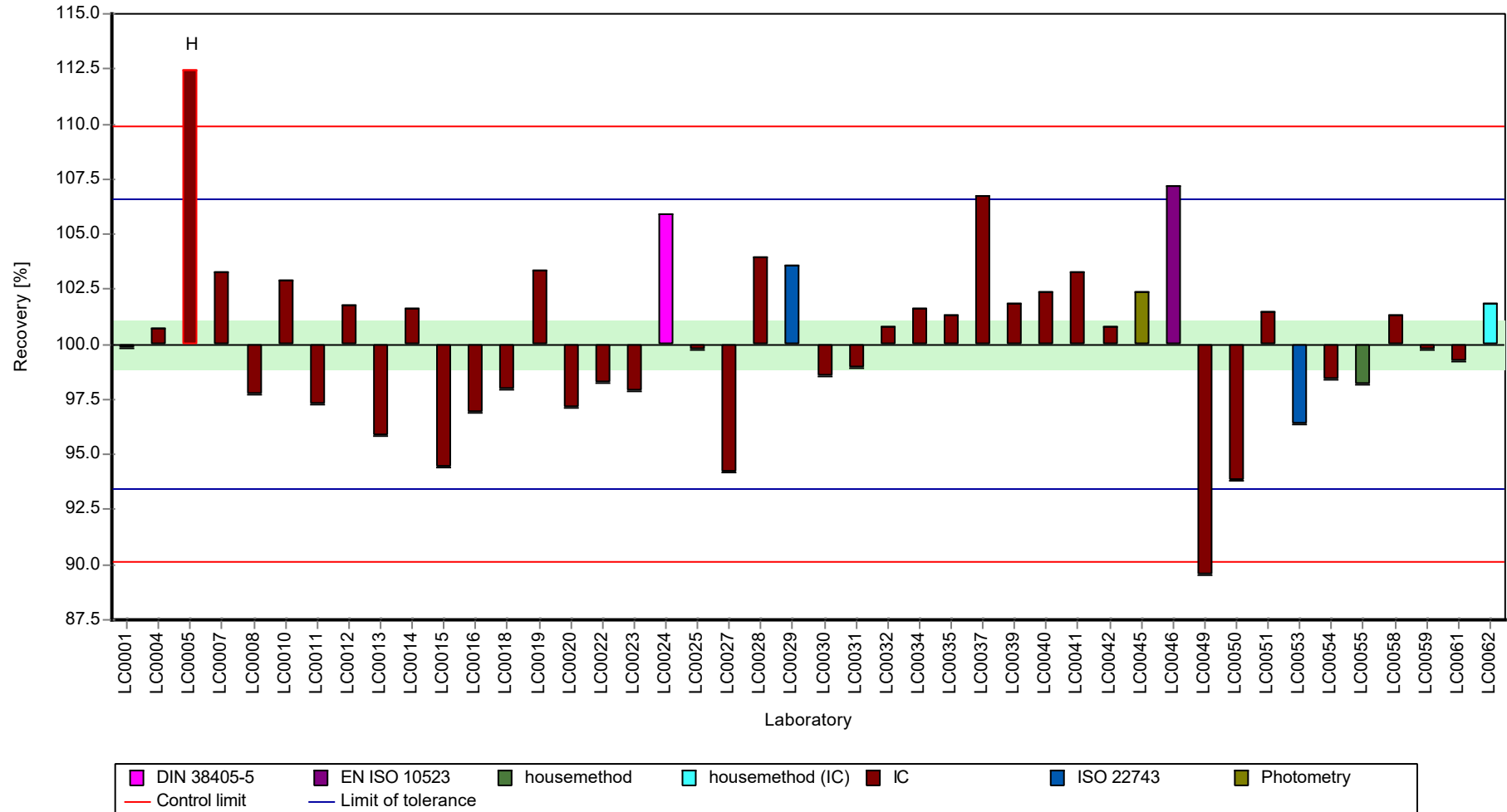
	all results	without outliers	Unit
Mean ± CI (99%)	94.5 ± 1.7	94.2 ± 1.53	mg/l
Minimum	84.4	84.4	mg/l
Maximum	106	101	mg/l
Standard deviation	3.75	3.35	mg/l
rel. standard deviation	3.97	3.55	%
n	44	43	-

Graphical presentation of results

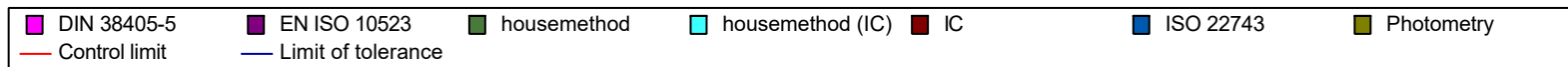
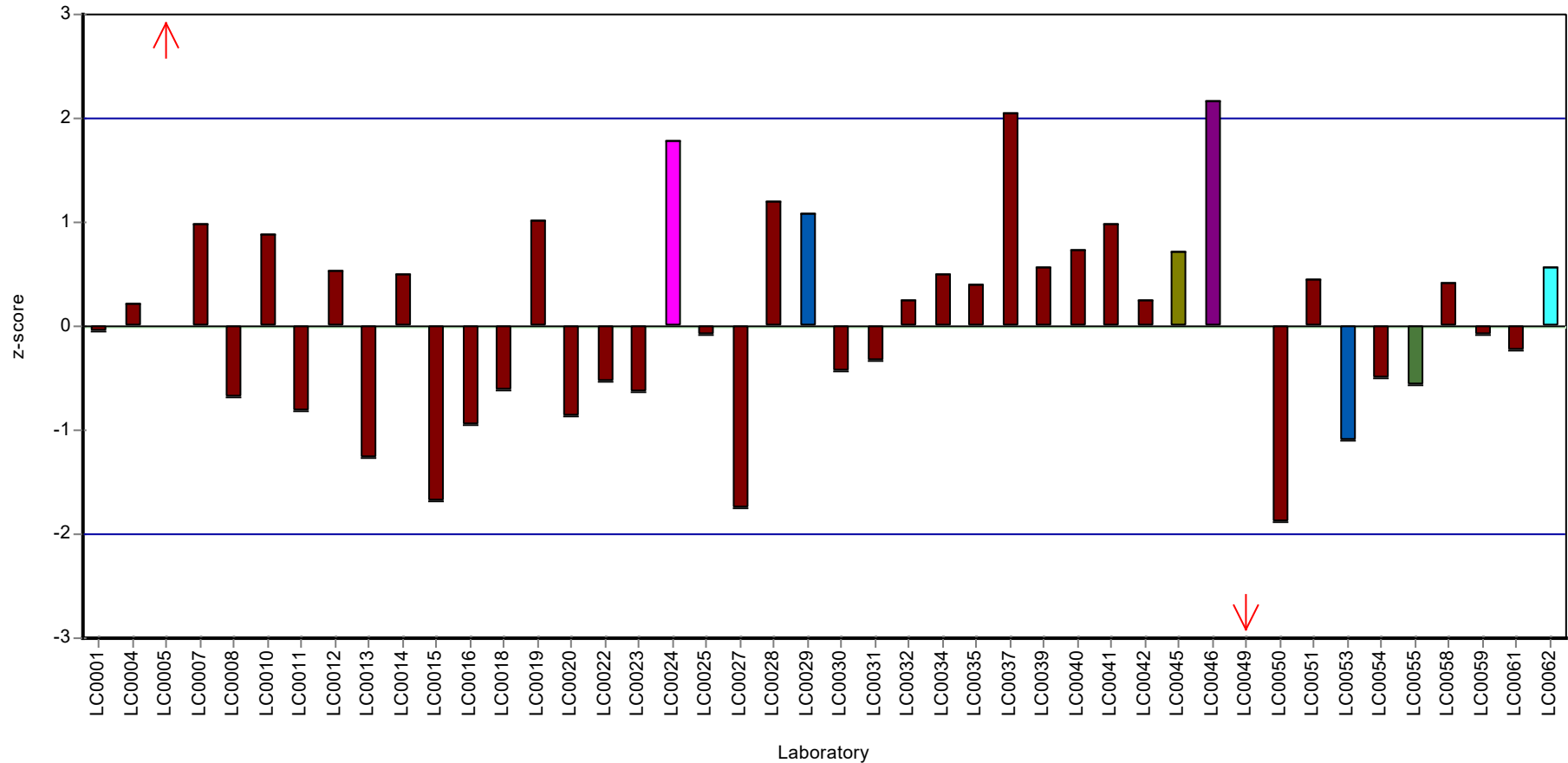
Results



Recovery rate



Z-score



Parameter oriented report

N155 B

Sulfate (as SO₄)

Unit	mg/l
Assigned value ± U (k=2)	24.7 ± 0.31
Criterion	0.815 (3.3 %)
Minimum - Maximum	22.7 - 27.3
Control test value ± U (k=2)	24.7 ± 1.23

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	23.5	0.3	95.2	-1.46	
LC0002	-	-	-	-	
LC0003	-	-	-	-	
LC0004	25	1.1	101	0.39	
LC0005	26.7	0.1	108	2.47	
LC0006	-	-	-	-	
LC0007	25.5	0.84	103	1	
LC0008	24.234	1.476	98.2	-0.55	
LC0009	-	-	-	-	
LC0010	24.8	1.4	100	0.14	
LC0011	24	1.9	97.2	-0.84	
LC0012	24.5	4.5	99.2	-0.23	
LC0013	23.9	0.89	96.8	-0.96	
LC0014	23.3	0.47	94.4	-1.7	
LC0015	25	4	101	0.39	
LC0016	23.4	1.404	94.8	-1.58	
LC0017	-	-	-	-	
LC0018	23	0.69	93.2	-2.07	
LC0019	25	0.5	101	0.39	
LC0020	25.62	0.89	104	1.15	
LC0021	-	-	-	-	
LC0022	24.4	1.3	98.8	-0.35	
LC0023	24.12	3.62	97.7	-0.69	
LC0024	27.3	2.8	111	3.21	
LC0025	24.8	2	100	0.14	
LC0026	-	-	-	-	
LC0027	24.7	2.5	100	0.02	
LC0028	25	4	101	0.39	
LC0029	25.5	2.6	103	1	
LC0030	23.7	2.1	96	-1.21	
LC0031	23.8	3.57	96.4	-1.09	
LC0032	25	2	101	0.39	
LC0033	-	-	-	-	
LC0034	25.2	1	102	0.63	
LC0035	24.8	0.37	100	0.14	
LC0036	-	-	-	-	
LC0037	28.9	0.7	117	5.17	H
LC0038	-	-	-	-	
LC0039	24.4	2.4	98.8	-0.35	
LC0040	26.4	4.22	107	2.1	
LC0041	25.1	0.15	102	0.51	

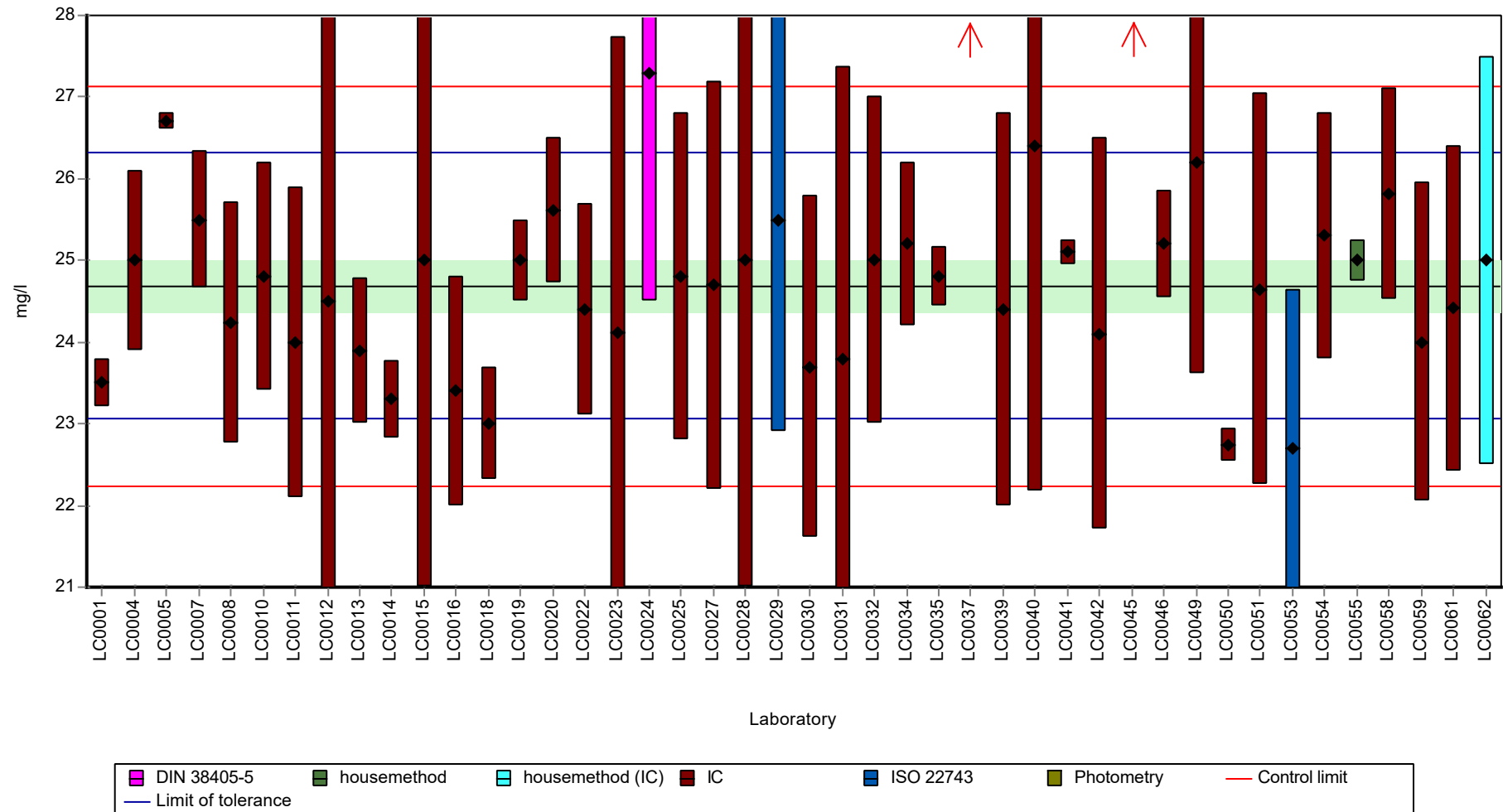
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	24.1	2.4	97.6	-0.72	
LC0043	-	-	-	-	
LC0044	-	-	-	-	
LC0045	30.1	5	122	6.65	H
LC0046	25.2	0.66	102	0.63	
LC0047	-	-	-	-	
LC0048	-	-	-	-	
LC0049	26.2	2.6	106	1.86	
LC0050	22.74	0.2	92.1	-2.39	
LC0051	24.648	2.4	99.8	-0.05	
LC0052	-	-	-	-	
LC0053	22.7	1.94	92	-2.44	
LC0054	25.3	1.5	102	0.75	
LC0055	25	0.25	101	0.39	
LC0056	-	-	-	-	
LC0057	-	-	-	-	
LC0058	25.82	1.291	105	1.39	
LC0059	24	1.95	97.2	-0.84	
LC0060	-	-	-	-	
LC0061	24.41	2	98.9	-0.34	
LC0062	25	2.5	101	0.39	

Characteristics of parameter

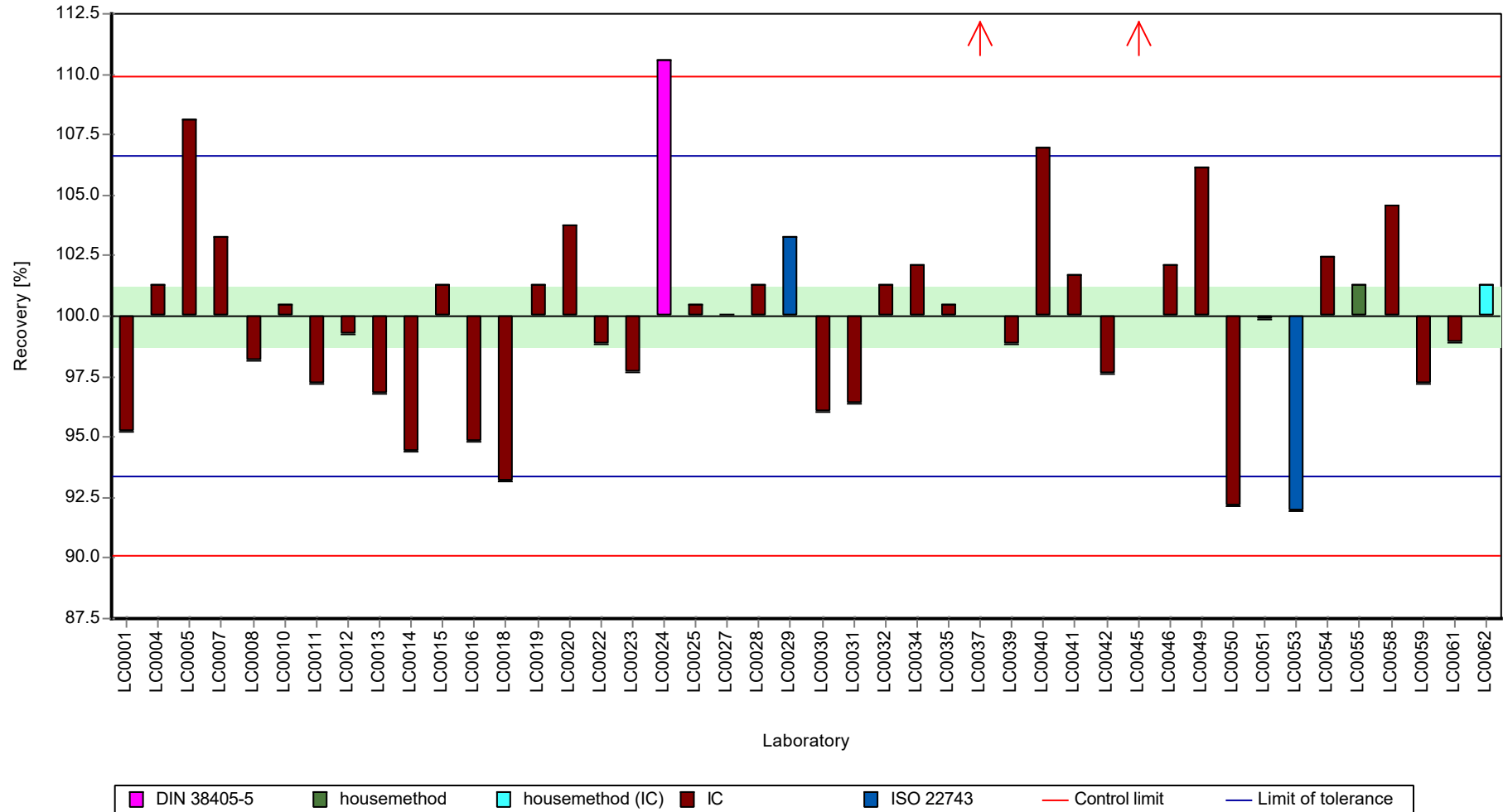
	all results	without outliers	Unit
Mean ± CI (99%)	24.9 ± 0.641	24.7 ± 0.465	mg/l
Minimum	22.7	22.7	mg/l
Maximum	30.1	27.3	mg/l
Standard deviation	1.42	1.01	mg/l
rel. standard deviation	5.69	4.07	%
n	44	42	-

Graphical presentation of results

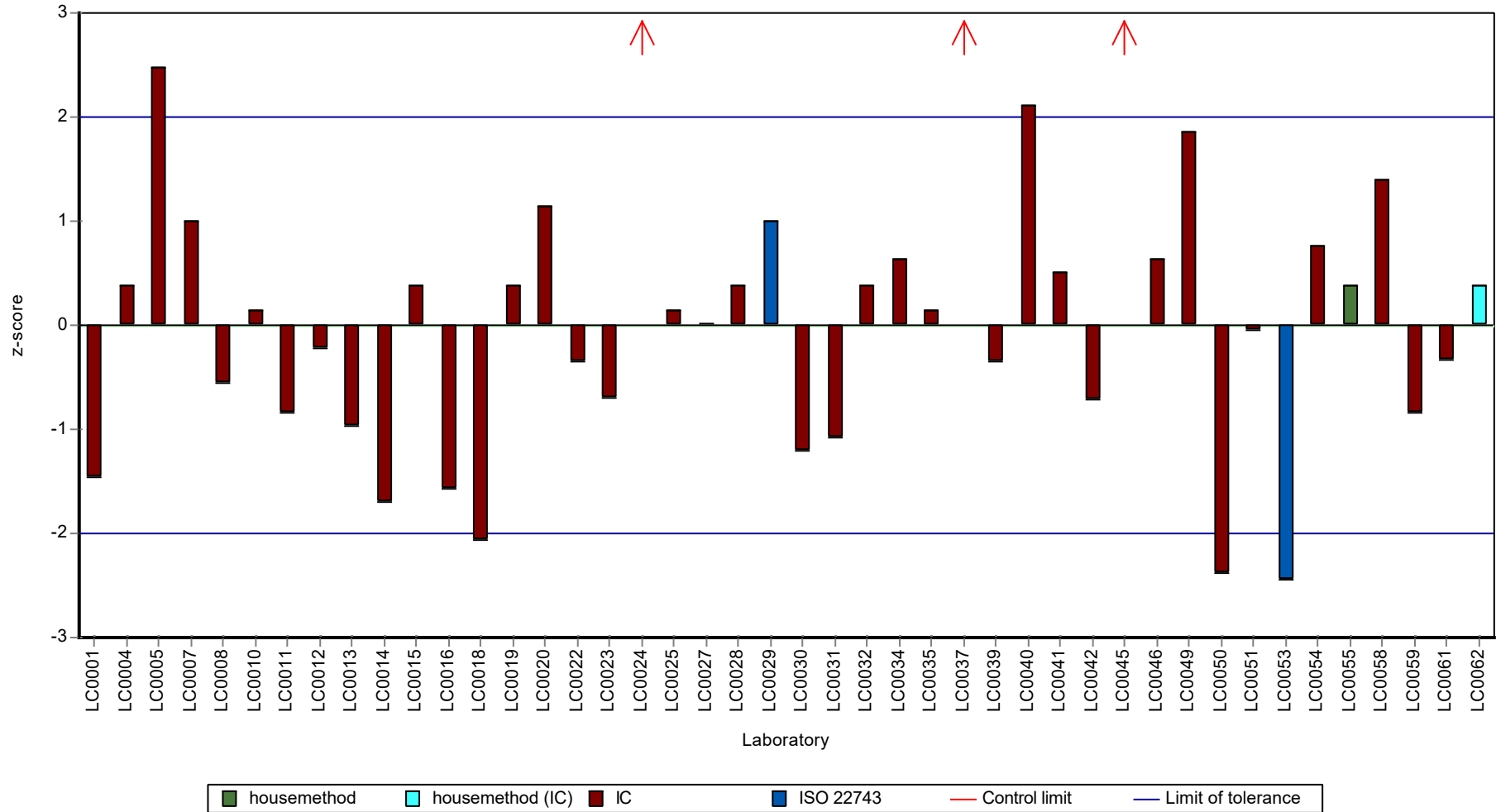
Results



Recovery rate



Z-score



Parameter oriented report

N155 A

Total-P (as PO4)

Unit	mg/l
Assigned value ± U (k=2)	1.16 ± 0.0213
Criterion	0.0869 (7.5 %)
Minimum - Maximum	1.03 - 1.28
Control test value ± U (k=2)	1.21 ± 0.0971

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	< 0.25 (LOQ)	-	-	-	FN
LC0002	-	-	-	-	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	1.05	0.014	90.7	-1.24	
LC0006	-	-	-	-	
LC0007	1.17	0.067	101	0.14	
LC0008	1.138	0.137	98.3	-0.23	
LC0009	-	-	-	-	
LC0010	-	-	-	-	
LC0011	1.2	0.12	104	0.48	
LC0012	1.272	0.104	110	1.31	
LC0013	0.532	0.05	45.9	-7.21	H
LC0014	-	-	-	-	
LC0015	1.23	0.25	106	0.83	
LC0016	-	-	-	-	
LC0017	-	-	-	-	
LC0018	1.15	0.035	99.3	-0.09	
LC0019	1.12	0.09	96.7	-0.44	
LC0020	1.23	0.01	106	0.83	
LC0021	-	-	-	-	
LC0022	1.18	0.12	102	0.25	
LC0023	0.37	0.08	32	-9.07	H
LC0024	3.44	0.27	297	26.3	H
LC0025	1.17	0.2	101	0.14	
LC0026	-	-	-	-	
LC0027	1.16	0.35	100	0.02	
LC0028	1.13	0.28	97.6	-0.32	
LC0029	1.1	0.11	95	-0.67	
LC0030	1.18	0.047	102	0.25	
LC0031	1.18	0.24	102	0.25	
LC0032	1.25	0.05	108	1.06	
LC0033	1.39	0.14	120	2.67	H
LC0034	-	-	-	-	
LC0035	1.066	0.0154	92.1	-1.06	
LC0036	-	-	-	-	
LC0037	0.379	0.036	32.7	-8.97	H
LC0038	< 0.1 (LOQ)	-	-	-	FN
LC0039	1.053	0.1	90.9	-1.21	
LC0040	1.38	0.373	119	2.56	H
LC0041	47.72	1.42	4120	536	H

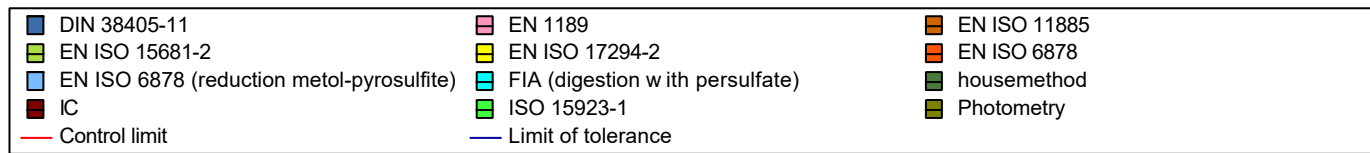
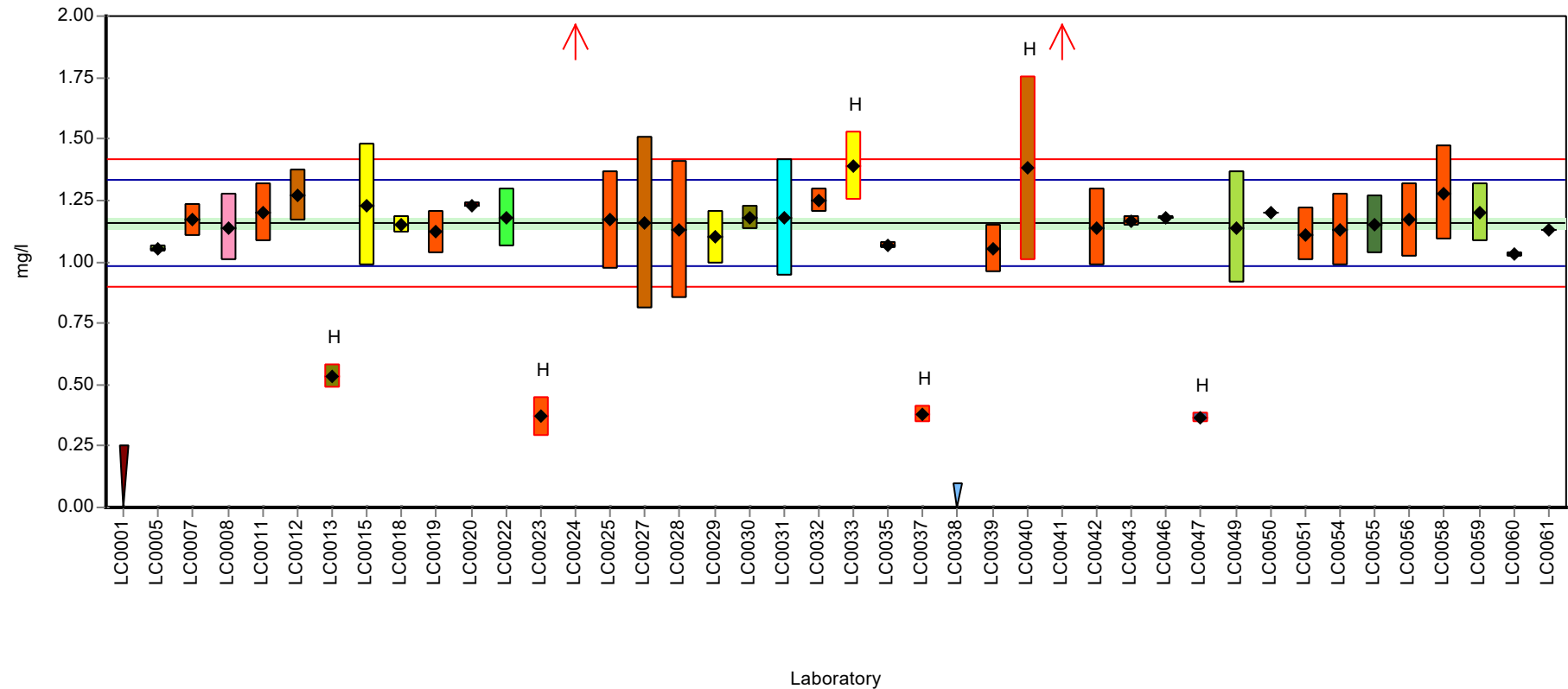
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	1.14	0.16	98.4	-0.21	
LC0043	1.166	0.023	101	0.09	
LC0044	-	-	-	-	
LC0045	-	-	-	-	
LC0046	1.18	0.0047	102	0.25	
LC0047	0.365	0.023	31.5	-9.13	H
LC0048	-	-	-	-	
LC0049	1.14	0.23	98.4	-0.21	
LC0050	1.2	0.001	104	0.48	
LC0051	1.111	0.11	95.9	-0.54	
LC0052	-	-	-	-	
LC0053	-	-	-	-	
LC0054	1.13	0.15	97.6	-0.32	
LC0055	1.15	0.12	99.3	-0.09	
LC0056	1.17	0.15	101	0.14	
LC0057	-	-	-	-	
LC0058	1.2786	0.1919	110	1.39	
LC0059	1.2	0.12	104	0.48	
LC0060	1.03	0.01	88.9	-1.47	
LC0061	1.132	0.005	97.8	-0.3	
LC0062	-	-	-	-	

Characteristics of parameter

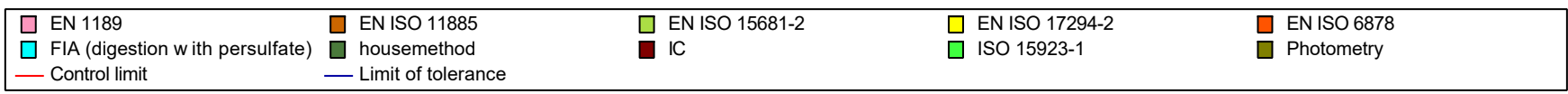
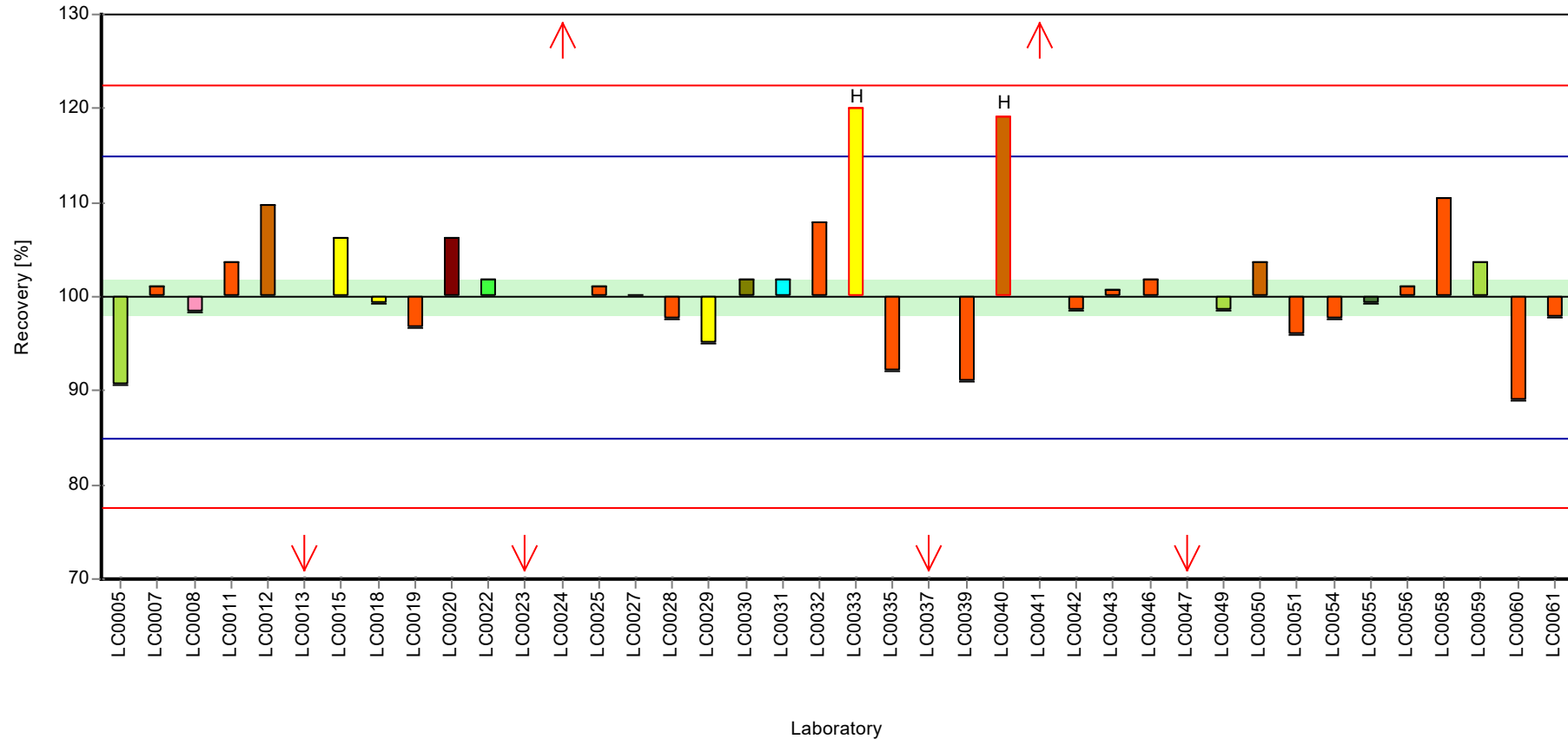
	all results	without outliers	Unit
Mean ± CI (99%)	2.32 ± 3.5	1.16 ± 0.0319	mg/l
Minimum	0.365	1.03	mg/l
Maximum	47.7	1.28	mg/l
Standard deviation	7.38	0.0601	mg/l
rel. standard deviation	319	5.19	%
n	40	32	-

Graphical presentation of results

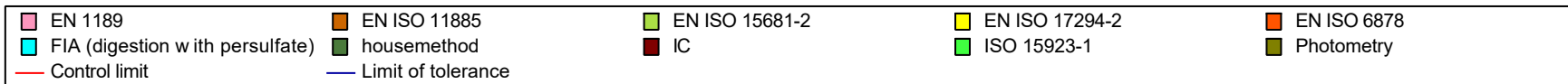
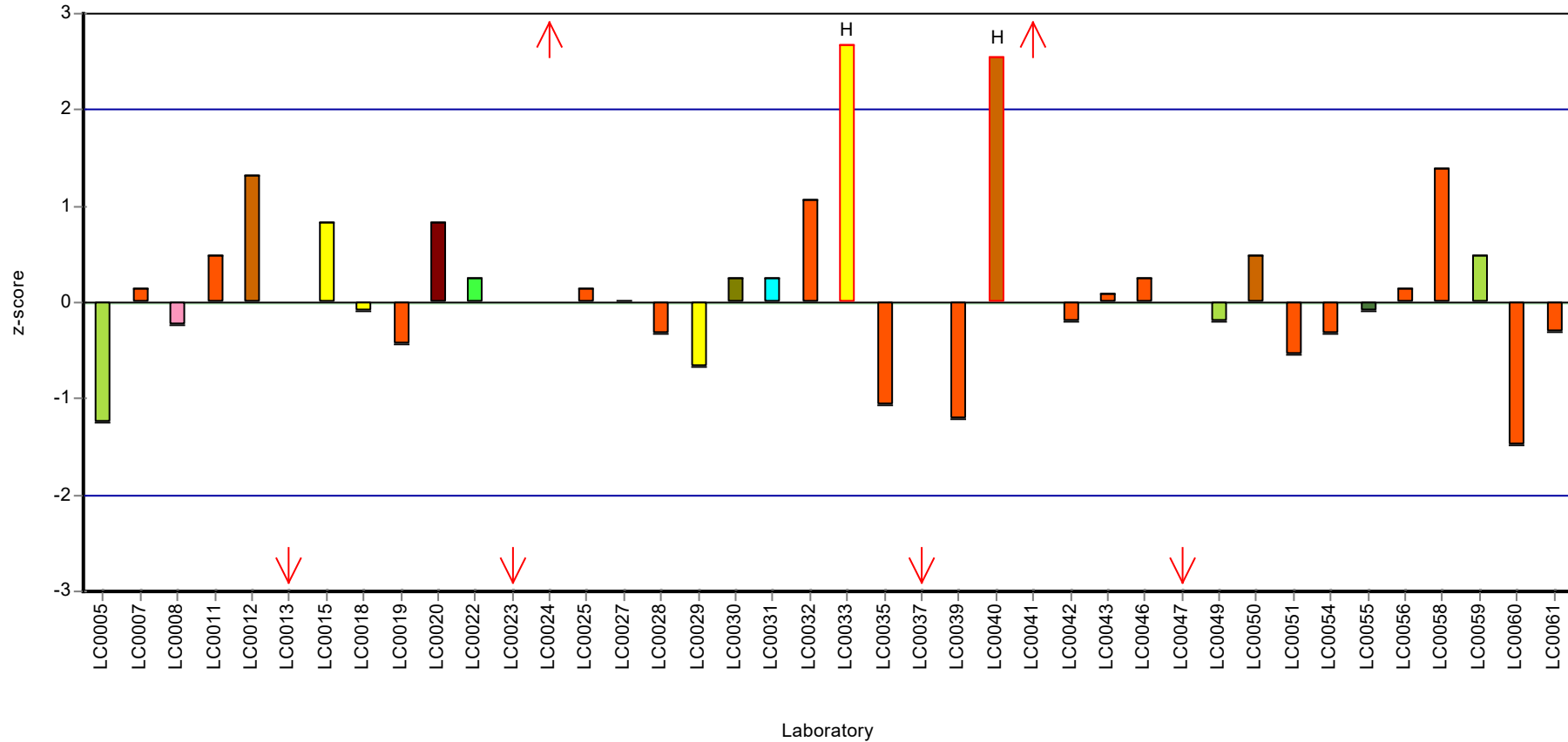
Results



Recovery rate



Z-score



Parameter oriented report

N155 B

Total-P (as PO4)

Unit	mg/l
Assigned value ± U (k=2)	1.1 ± 0.0151
Criterion	0.0824 (7.5 %)
Minimum - Maximum	1.01 - 1.19
Control test value ± U (k=2)	1.14 ± 0.0909

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	< 0.25 (LOQ)	-	-	-	FN
LC0002	-	-	-	-	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	0.938	0.025	85.4	-1.94	H
LC0006	-	-	-	-	
LC0007	1.11	0.063	101	0.14	
LC0008	1.074	0.129	97.8	-0.29	
LC0009	-	-	-	-	
LC0010	-	-	-	-	
LC0011	1.13	0.11	103	0.39	
LC0012	1.152	0.094	105	0.66	
LC0013	0.884	0.081	80.5	-2.6	H
LC0014	-	-	-	-	
LC0015	1.13	74	103	0.39	
LC0016	-	-	-	-	
LC0017	-	-	-	-	
LC0018	1.19	0.036	108	1.12	
LC0019	1.04	0.08	94.7	-0.7	
LC0020	1.13	0.01	103	0.39	
LC0021	-	-	-	-	
LC0022	1.11	0.12	101	0.14	
LC0023	0.34	0.07	31	-9.2	H
LC0024	1.01	0.08	92	-1.07	
LC0025	1.1	0.2	100	0.02	
LC0026	-	-	-	-	
LC0027	1.09	0.33	99.3	-0.1	
LC0028	1.07	0.27	97.4	-0.34	
LC0029	1.1	0.11	100	0.02	
LC0030	1.11	0.1	101	0.14	
LC0031	1.15	0.23	105	0.63	
LC0032	1.13	0.05	103	0.39	
LC0033	1.25	0.13	114	1.85	H
LC0034	-	-	-	-	
LC0035	1.027	0.0152	93.5	-0.86	
LC0036	-	-	-	-	
LC0037	0.36	0.034	32.8	-8.96	H
LC0038	0.2362	0.0413	21.5	-10.5	H
LC0039	1.016	0.1	92.5	-1	
LC0040	1.3	0.351	118	2.45	H
LC0041	43.81	0.4	3990	519	H

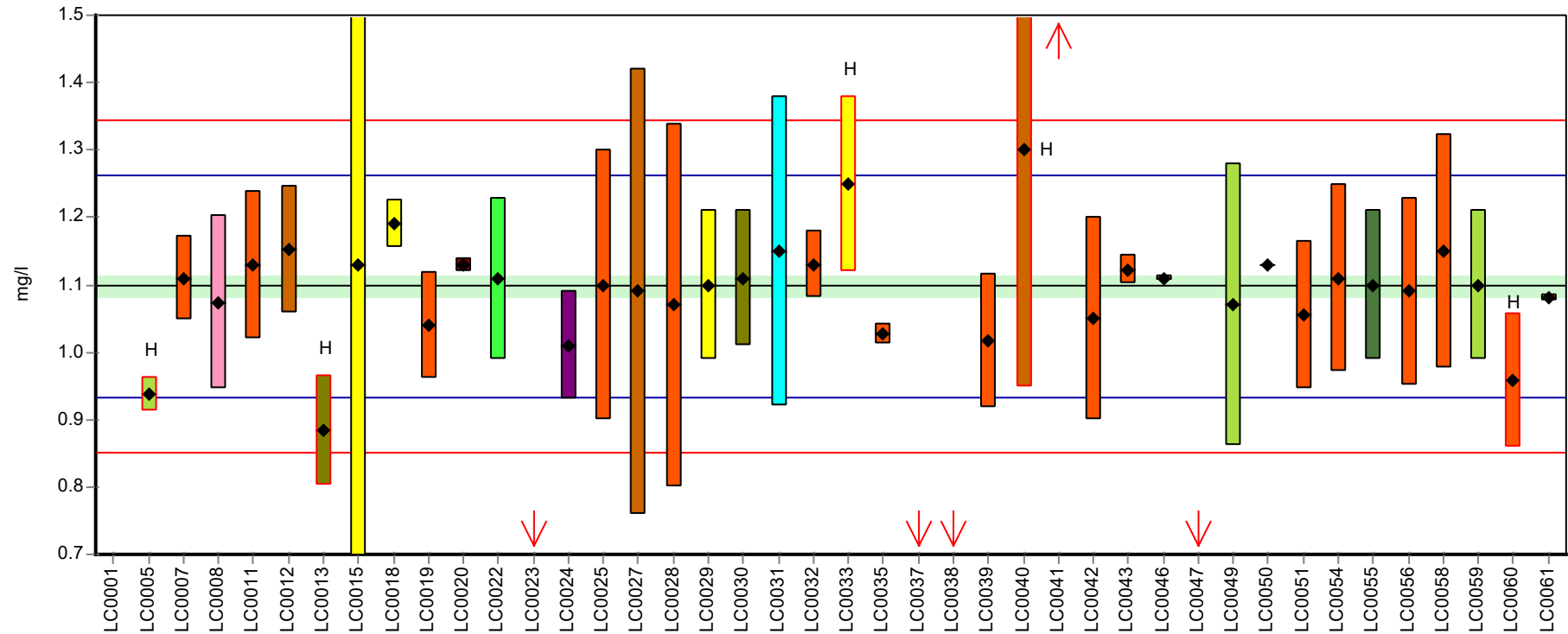
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	1.05	0.15	95.6	-0.58	
LC0043	1.123	0.022	102	0.3	
LC0044	-	-	-	-	
LC0045	-	-	-	-	
LC0046	1.11	0.0044	101	0.14	
LC0047	0.341	0.021	31.1	-9.19	H
LC0048	-	-	-	-	
LC0049	1.07	0.21	97.4	-0.34	
LC0050	1.13	0.001	103	0.39	
LC0051	1.056	0.11	96.2	-0.51	
LC0052	-	-	-	-	
LC0053	-	-	-	-	
LC0054	1.11	0.14	101	0.14	
LC0055	1.1	0.11	100	0.02	
LC0056	1.09	0.14	99.3	-0.1	
LC0057	-	-	-	-	
LC0058	1.1498	0.1726	105	0.63	
LC0059	1.1	0.11	100	0.02	
LC0060	0.958	0.1	87.2	-1.7	H
LC0061	1.081	0.005	98.4	-0.21	
LC0062	-	-	-	-	

Characteristics of parameter

	all results	without outliers	Unit
Mean ± CI (99%)	2.06 ± 3.13	1.1 ± 0.0226	mg/l
Minimum	0.236	1.01	mg/l
Maximum	43.8	1.19	mg/l
Standard deviation	6.69	0.0419	mg/l
rel. standard deviation	325	3.82	%
n	41	31	-

Graphical presentation of results

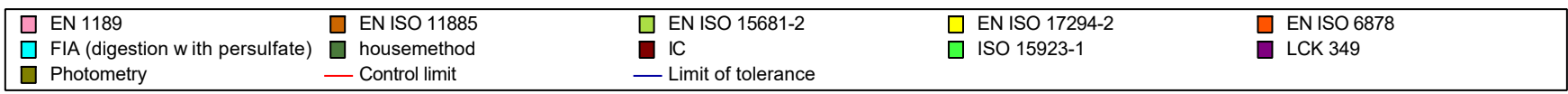
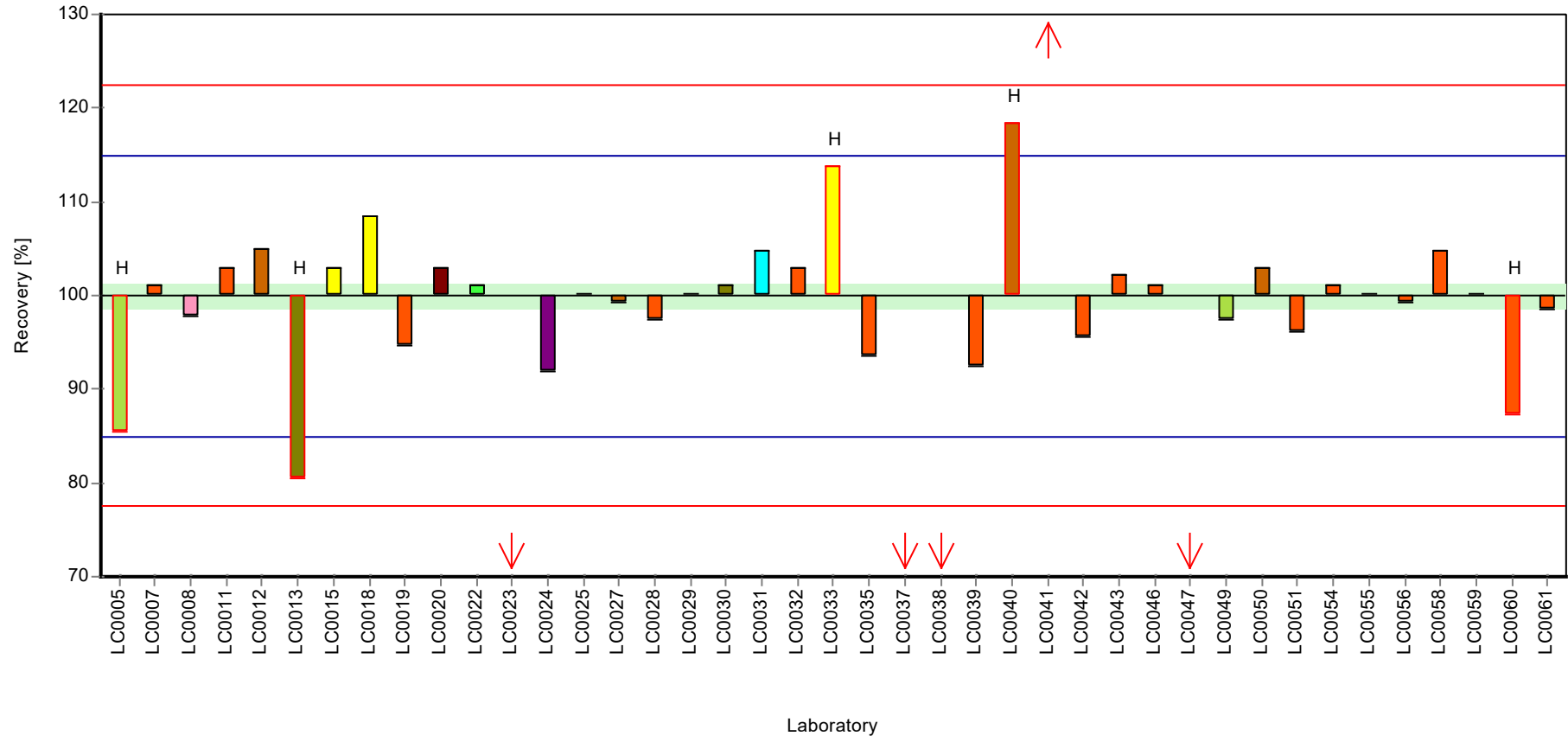
Results



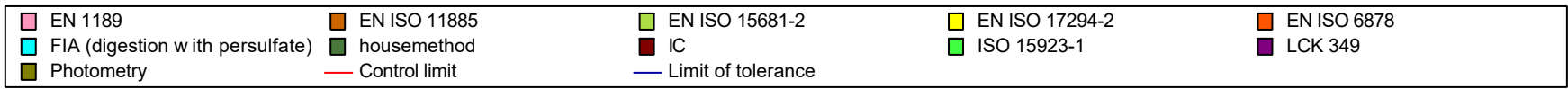
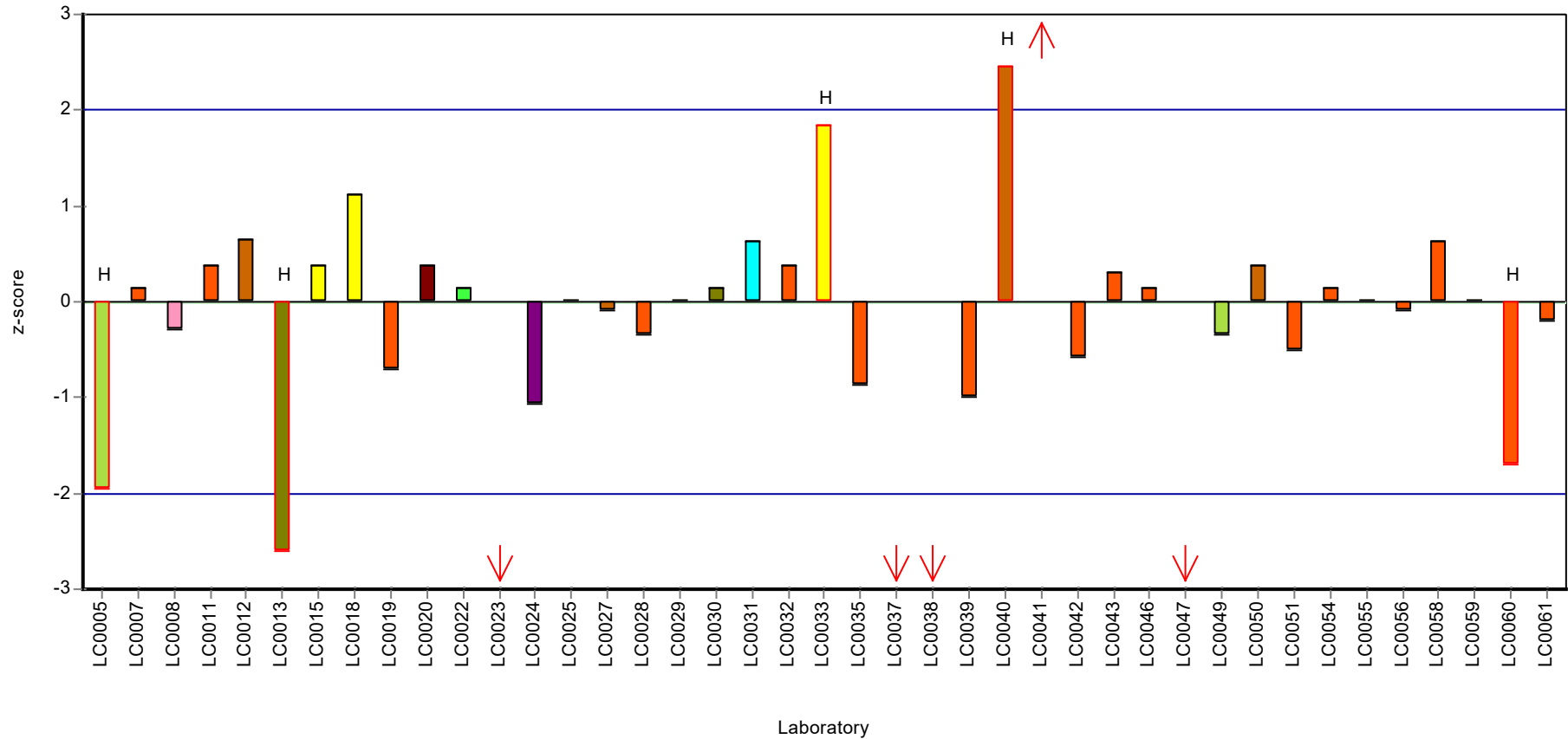
Laboratory

EN 1189	EN ISO 11885	EN ISO 15681-2	EN ISO 17294-2	EN ISO 6878
FIA (digestion w ith persulfate)	housemethod	IC	ISO 15923-1	LCK 349
Photometry	Control limit	Limit of tolerance		

Recovery rate



Z-score



Parameter oriented report

N155 A

Total hardness

Unit	mmol/l
Assigned value ± U (k=2)	5.41 ± 0.0392
Criterion	0.162 (3 %)
Minimum - Maximum	5.17 - 5.67
Control test value ± U (k=2)	5.49 ± 0.165

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	-	-	-	-	
LC0004	5.48	0.55	101	0.43	
LC0005	5.48	0.047	101	0.43	
LC0006	5.34	0.009	98.7	-0.43	
LC0007	5.02	0.41	92.8	-2.41	H
LC0008	-	-	-	-	
LC0009	-	-	-	-	
LC0010	5.39	0.2	99.6	-0.13	
LC0011	5.45	0.59	101	0.24	
LC0012	5.52	0.96	102	0.67	
LC0013	5.31	0.25	98.1	-0.62	
LC0014	-	-	-	-	
LC0015	5.17	1	95.6	-1.48	
LC0016	49.8	0.357	920	273	H
LC0017	-	-	-	-	
LC0018	5.35	0.16	98.9	-0.37	
LC0019	-	-	-	-	
LC0020	-	-	-	-	
LC0021	-	-	-	-	
LC0022	5.33	0.27	98.5	-0.5	
LC0023	-	-	-	-	
LC0024	5.6	0.3	104	1.17	
LC0025	5.44	0.2	101	0.18	
LC0026	-	-	-	-	
LC0027	5.51	1.65	102	0.61	
LC0028	5.4	0.54	99.8	-0.07	
LC0029	5.5	0.55	102	0.55	
LC0030	5.23	0.94	96.7	-1.11	
LC0031	53.61	4.83	991	297	H
LC0032	5.43	0.3	100	0.12	
LC0033	-	-	-	-	
LC0034	-	-	-	-	
LC0035	5.56	0.153	103	0.92	
LC0036	-	-	-	-	
LC0037	5.31	0.11	98.1	-0.62	
LC0038	-	-	-	-	
LC0039	5.34	0.5	98.7	-0.43	
LC0040	5.67	1.19	105	1.6	
LC0041	6.2	0.7	115	4.86	H

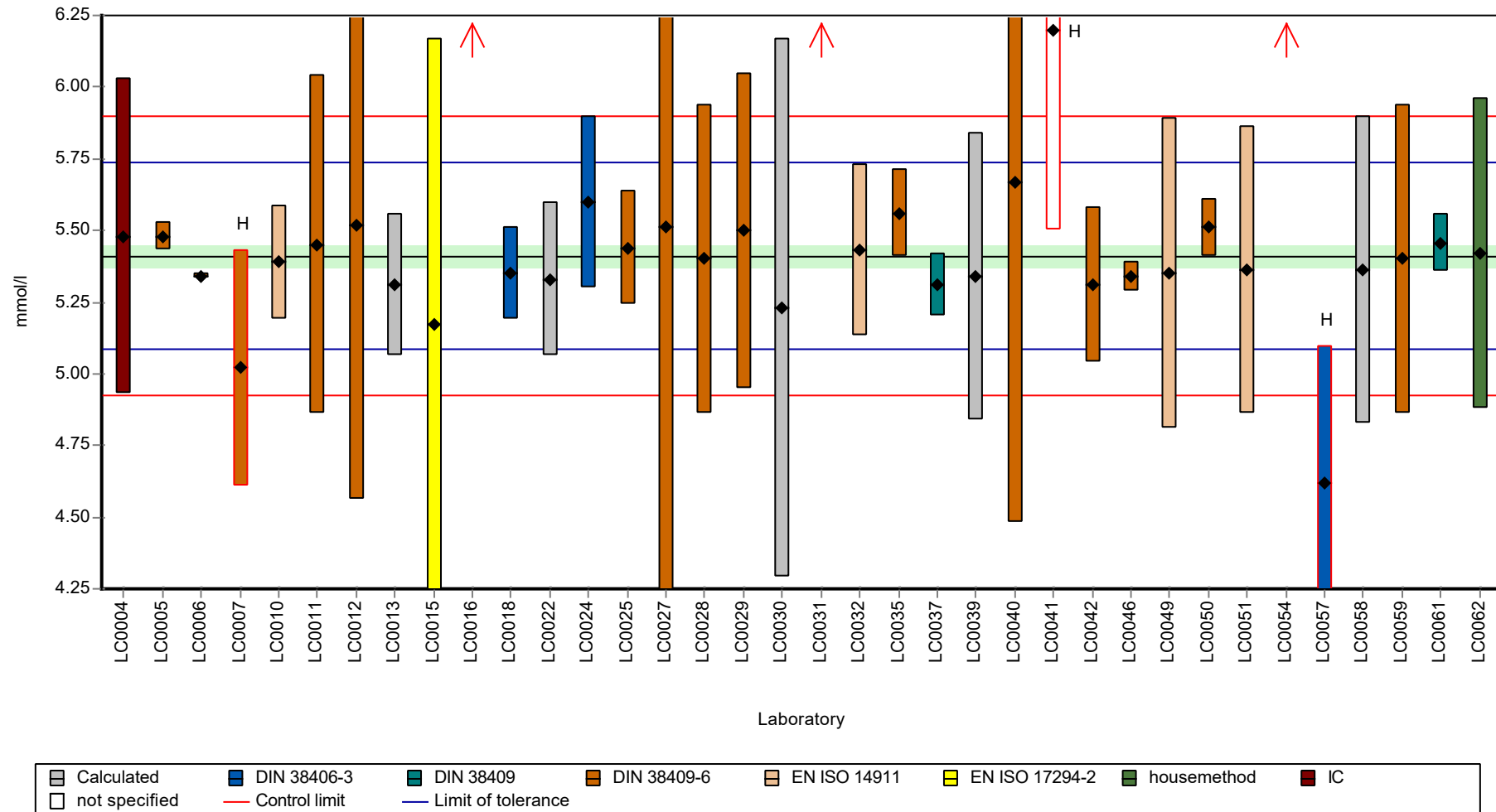
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	5.31	0.27	98.1	-0.62	
LC0043	-	-	-	-	
LC0044	-	-	-	-	
LC0045	-	-	-	-	
LC0046	5.34	0.053	98.7	-0.43	
LC0047	-	-	-	-	
LC0048	-	-	-	-	
LC0049	5.35	0.54	98.9	-0.37	
LC0050	5.51	0.1	102	0.61	
LC0051	5.362	0.5	99.1	-0.3	
LC0052	-	-	-	-	
LC0053	-	-	-	-	
LC0054	30.8	3.1	569	156	H
LC0055	-	-	-	-	
LC0056	-	-	-	-	
LC0057	4.62	0.48	85.4	-4.87	H
LC0058	5.36	0.536	99.1	-0.31	
LC0059	5.4	0.54	99.8	-0.07	
LC0060	-	-	-	-	
LC0061	5.456	0.1	101	0.28	
LC0062	5.42	0.54	100	0.06	

Characteristics of parameter

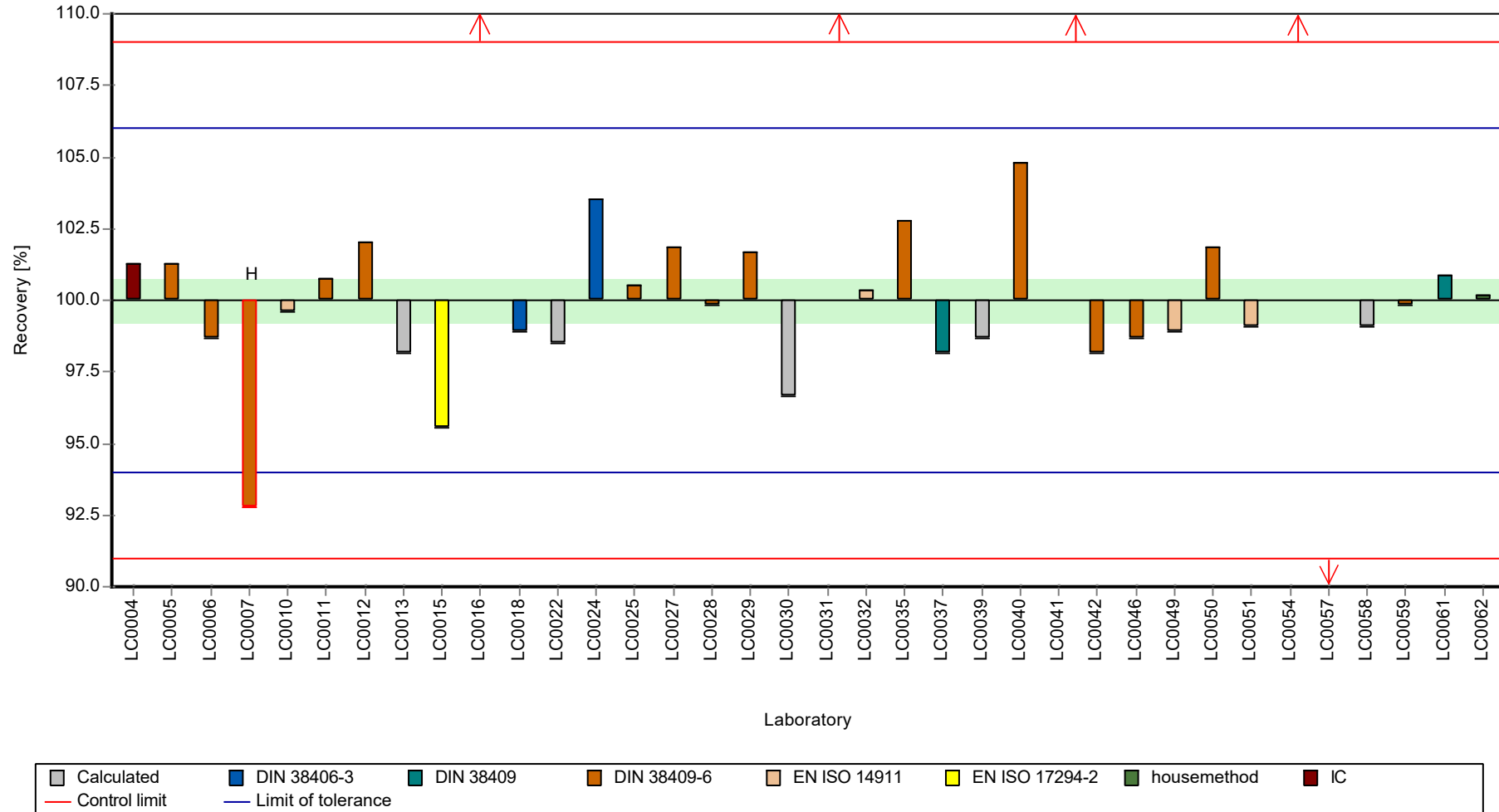
	all results	without outliers	Unit
Mean ± CI (99%)	8.68 ± 5.7	5.41 ± 0.0589	mmol/l
Minimum	4.62	5.17	mmol/l
Maximum	53.6	5.67	mmol/l
Standard deviation	11.4	0.107	mmol/l
rel. standard deviation	131	1.99	%
n	36	30	-

Graphical presentation of results

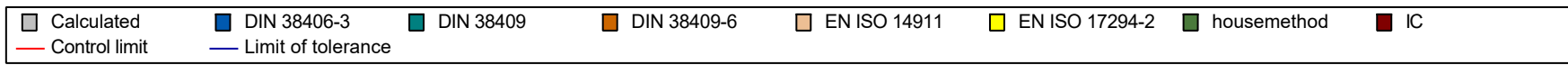
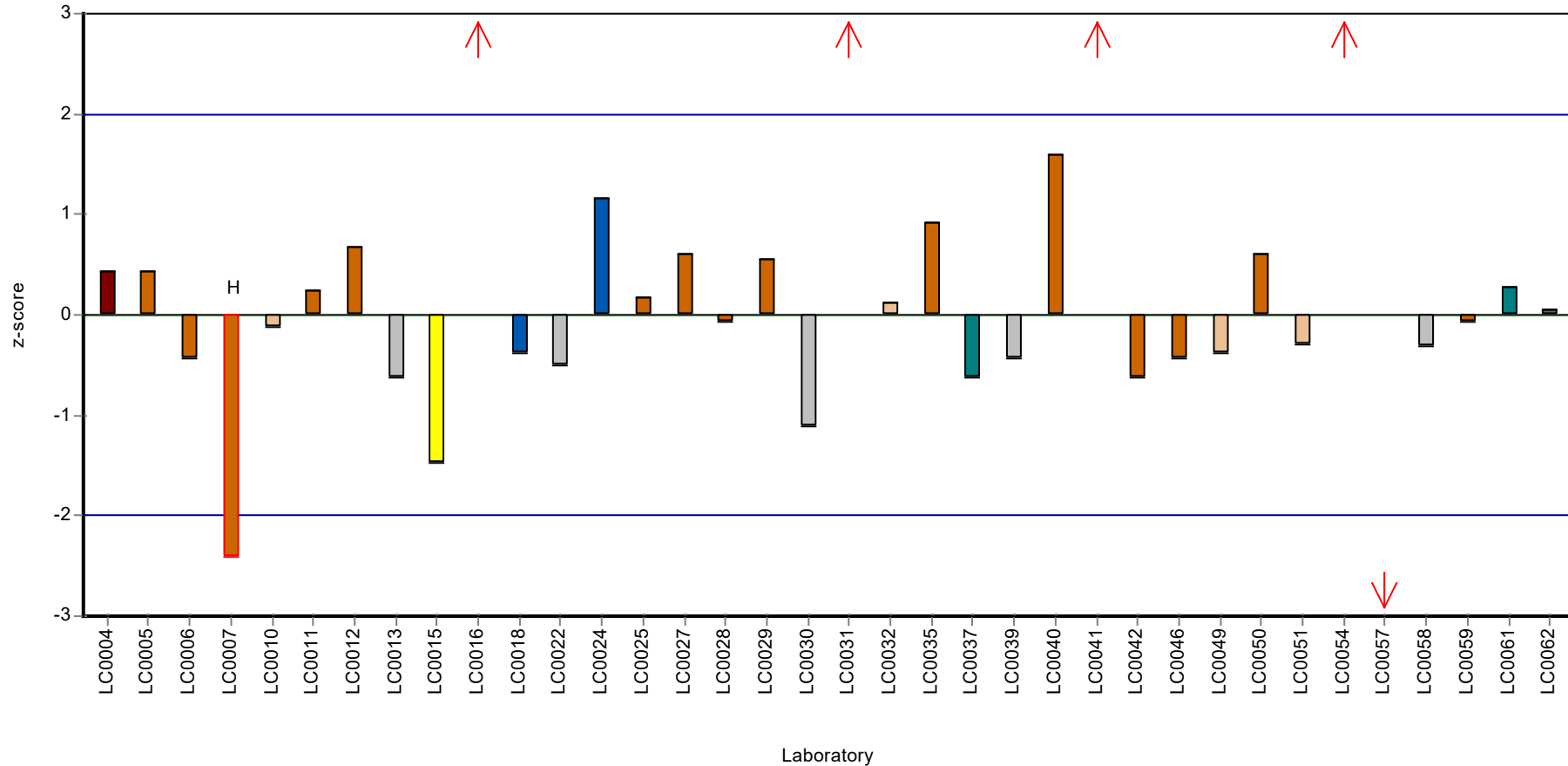
Results



Recovery rate



Z-score



Parameter oriented report

N155 B

Total hardness

Unit	mmol/l
Assigned value ± U (k=2)	2 ± 0.0126
Criterion	0.0599 (3 %)
Minimum - Maximum	1.92 - 2.1
Control test value ± U (k=2)	1.95 ± 0.0586

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	-	-	-	-	
LC0004	2.03	0.2	102	0.56	
LC0005	1.98	0.052	99.2	-0.27	
LC0006	2.02	0.048	101	0.4	
LC0007	1.84	0.15	92.2	-2.61	H
LC0008	-	-	-	-	
LC0009	-	-	-	-	
LC0010	1.97	0.1	98.7	-0.44	
LC0011	2	0.22	100	0.06	
LC0012	1.99	0.35	99.7	-0.1	
LC0013	2	0.1	100	0.06	
LC0014	-	-	-	-	
LC0015	1.94	0.4	97.2	-0.94	
LC0016	19.4	0.97	972	291	H
LC0017	-	-	-	-	
LC0018	1.98	1.98	99.2	-0.27	
LC0019	-	-	-	-	
LC0020	-	-	-	-	
LC0021	-	-	-	-	
LC0022	1.97	0.1	98.7	-0.44	
LC0023	-	-	-	-	
LC0024	2.03	0.12	102	0.56	
LC0025	2	0.1	100	0.06	
LC0026	-	-	-	-	
LC0027	1.98	0.59	99.2	-0.27	
LC0028	2	0.2	100	0.06	
LC0029	2	0.2	100	0.06	
LC0030	1.92	0.35	96.2	-1.27	
LC0031	18.77	1.69	940	280	H
LC0032	1.98	0.2	99.2	-0.27	
LC0033	-	-	-	-	
LC0034	-	-	-	-	
LC0035	2.05	0.055	103	0.9	
LC0036	-	-	-	-	
LC0037	2.13	0.04	107	2.23	H
LC0038	-	-	-	-	
LC0039	1.97	0.2	98.7	-0.44	
LC0040	2.04	0.428	102	0.73	
LC0041	2.49	0.5	125	8.24	H

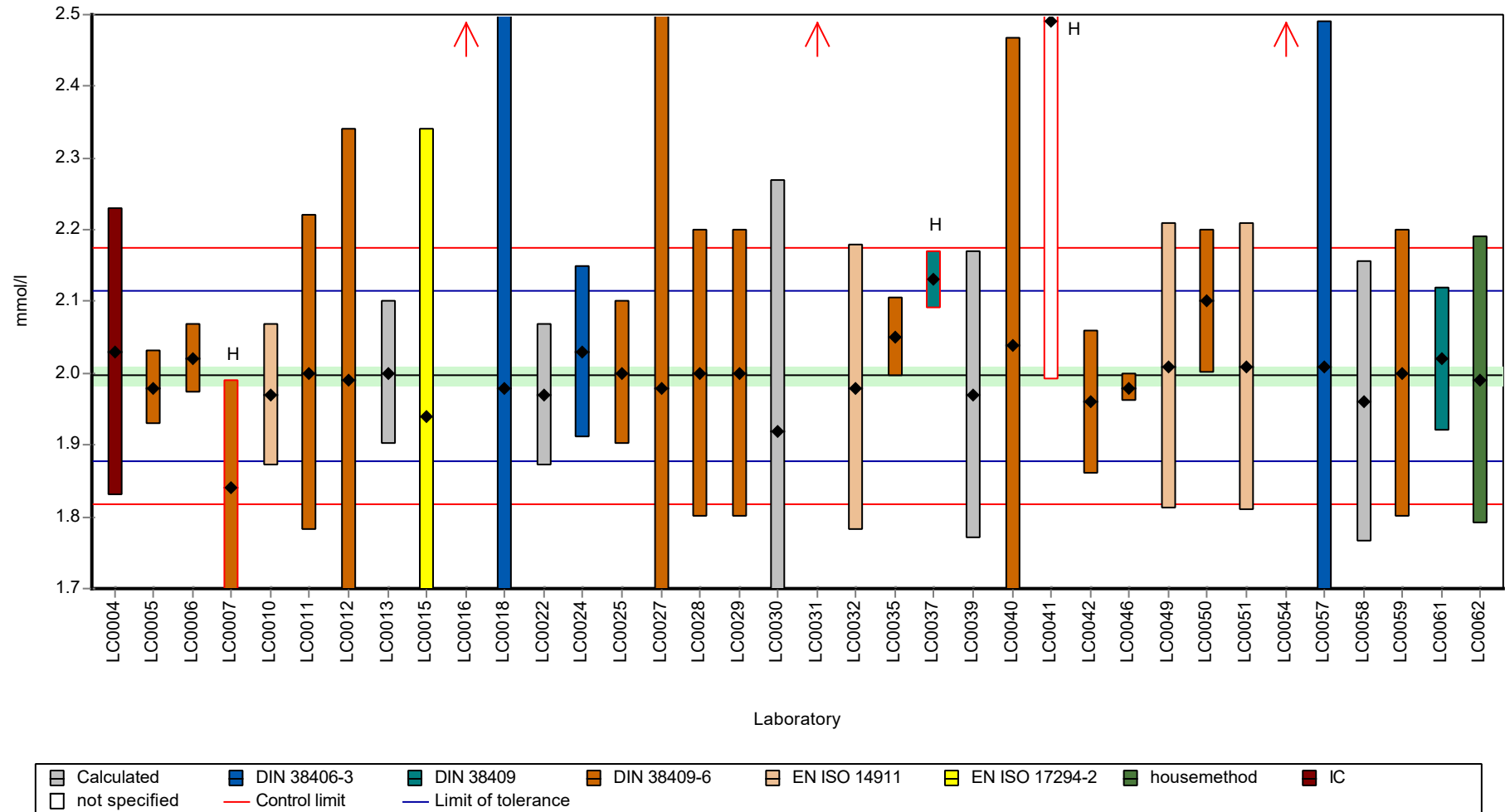
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	1.96	0.1	98.2	-0.61	
LC0043	-	-	-	-	
LC0044	-	-	-	-	
LC0045	-	-	-	-	
LC0046	1.98	0.02	99.2	-0.27	
LC0047	-	-	-	-	
LC0048	-	-	-	-	
LC0049	2.01	0.2	101	0.23	
LC0050	2.1	0.1	105	1.73	
LC0051	2.009	0.2	101	0.21	
LC0052	-	-	-	-	
LC0053	-	-	-	-	
LC0054	11.4	1.1	571	157	H
LC0055	-	-	-	-	
LC0056	-	-	-	-	
LC0057	2.01	0.48	101	0.23	
LC0058	1.96	0.196	98.2	-0.61	
LC0059	2	0.2	100	0.06	
LC0060	-	-	-	-	
LC0061	2.02	0.1	101	0.4	
LC0062	1.99	0.2	99.7	-0.1	

Characteristics of parameter

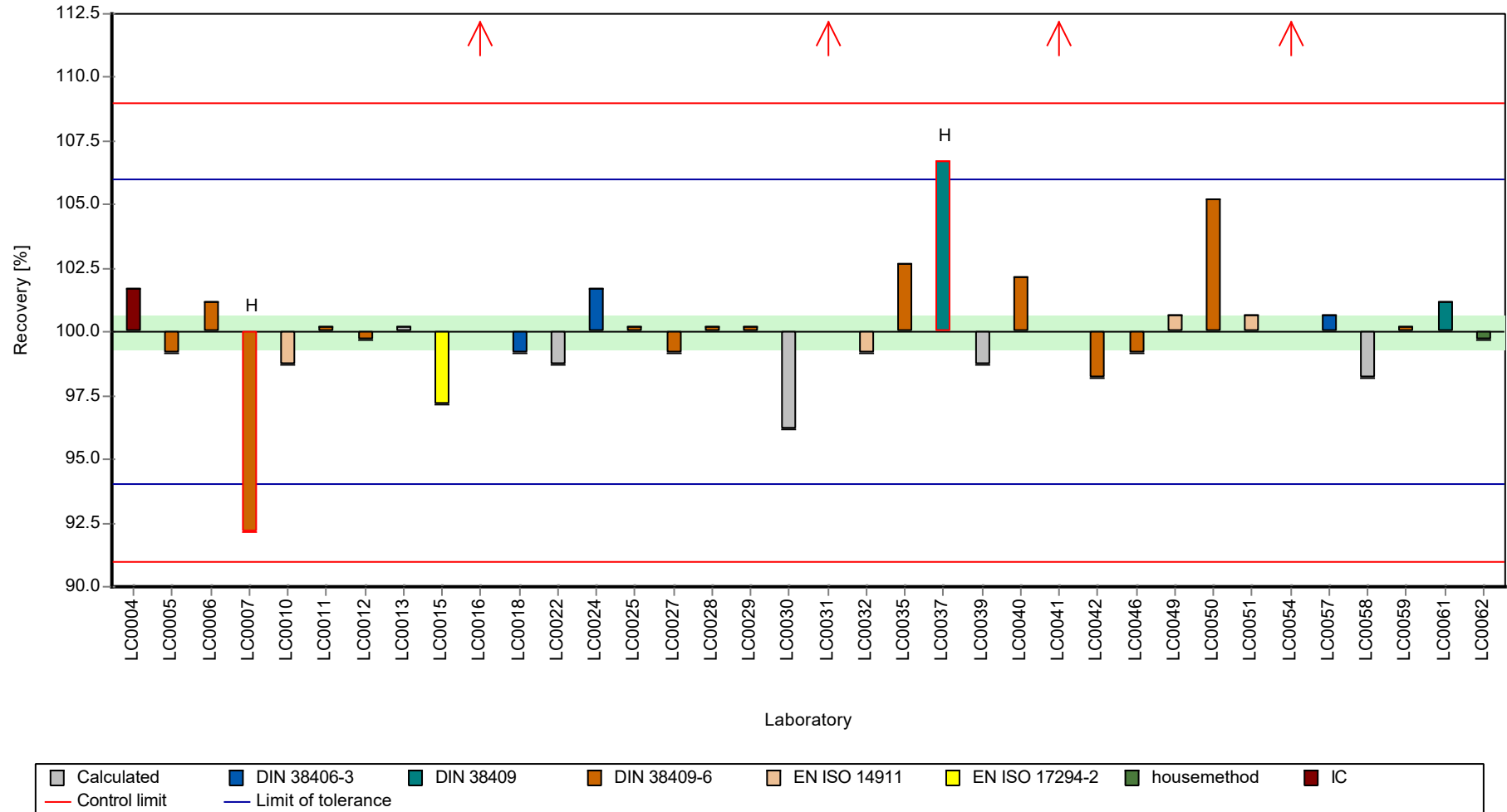
	all results	without outliers	Unit
Mean ± CI (99%)	3.22 ± 2.1	2 ± 0.0189	mmol/l
Minimum	1.84	1.92	mmol/l
Maximum	19.4	2.1	mmol/l
Standard deviation	4.21	0.0346	mmol/l
rel. standard deviation	131	1.73	%
n	36	30	-

Graphical presentation of results

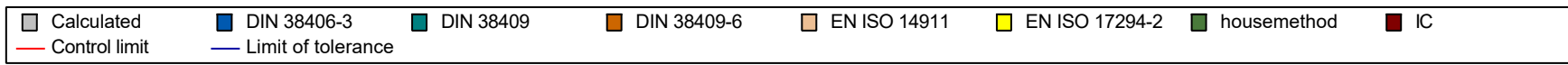
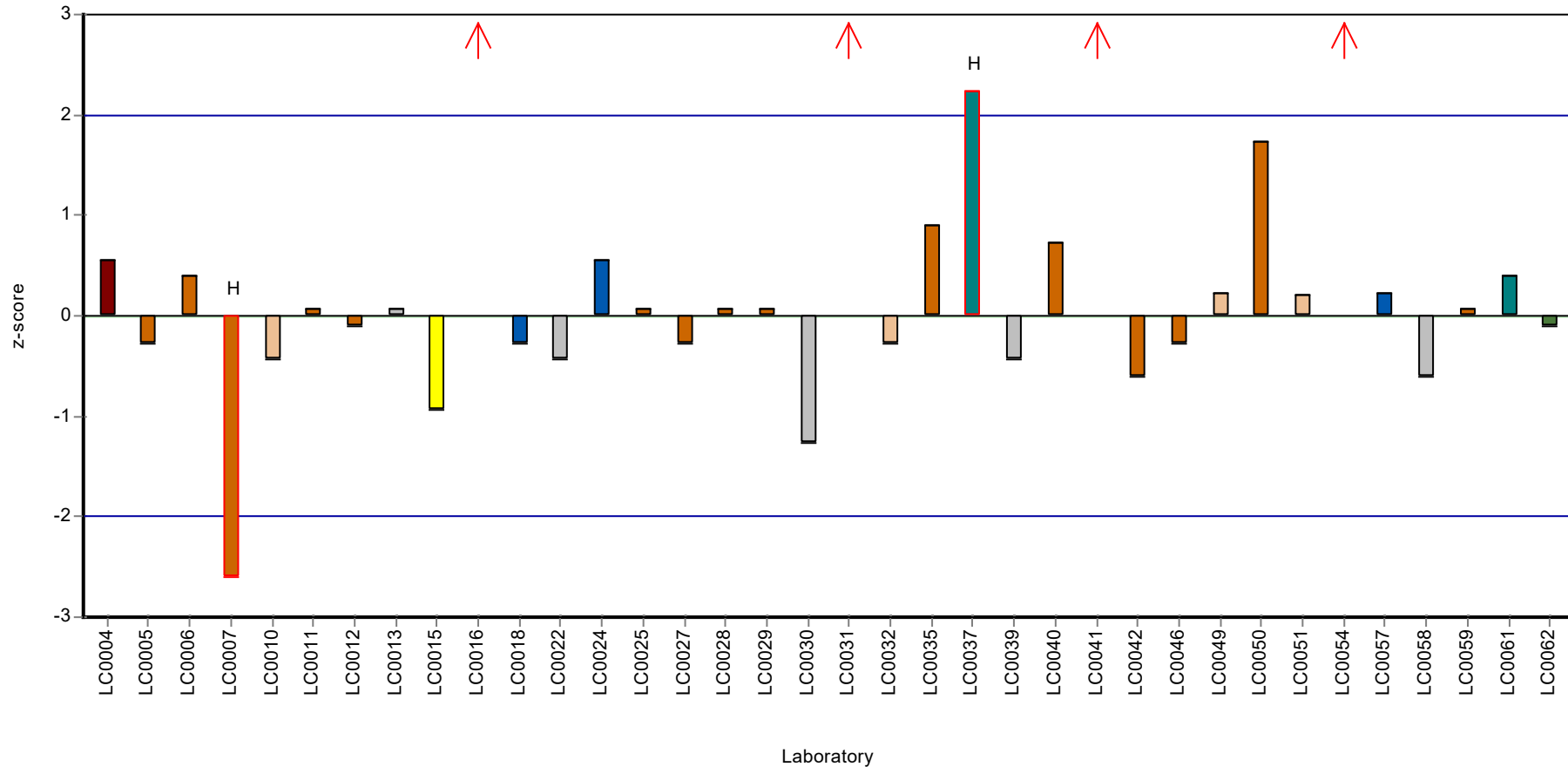
Results



Recovery rate



Z-score



Parameter oriented report

N155 A

Total nitrogen

Unit	mg/l
Assigned value ± U (k=2)	2.59 ± 0.0647
Criterion	0.215 (8.3 %)
Minimum - Maximum	2.34 - 2.9
Control test value ± U (k=2)	3.18 ± 0.223

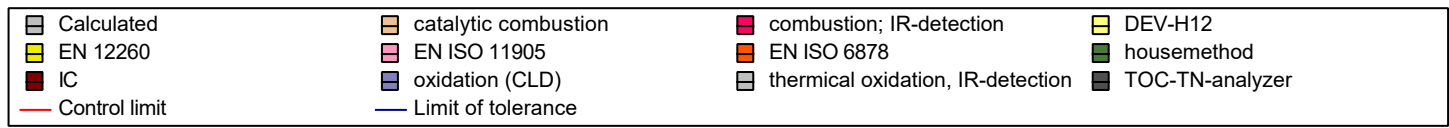
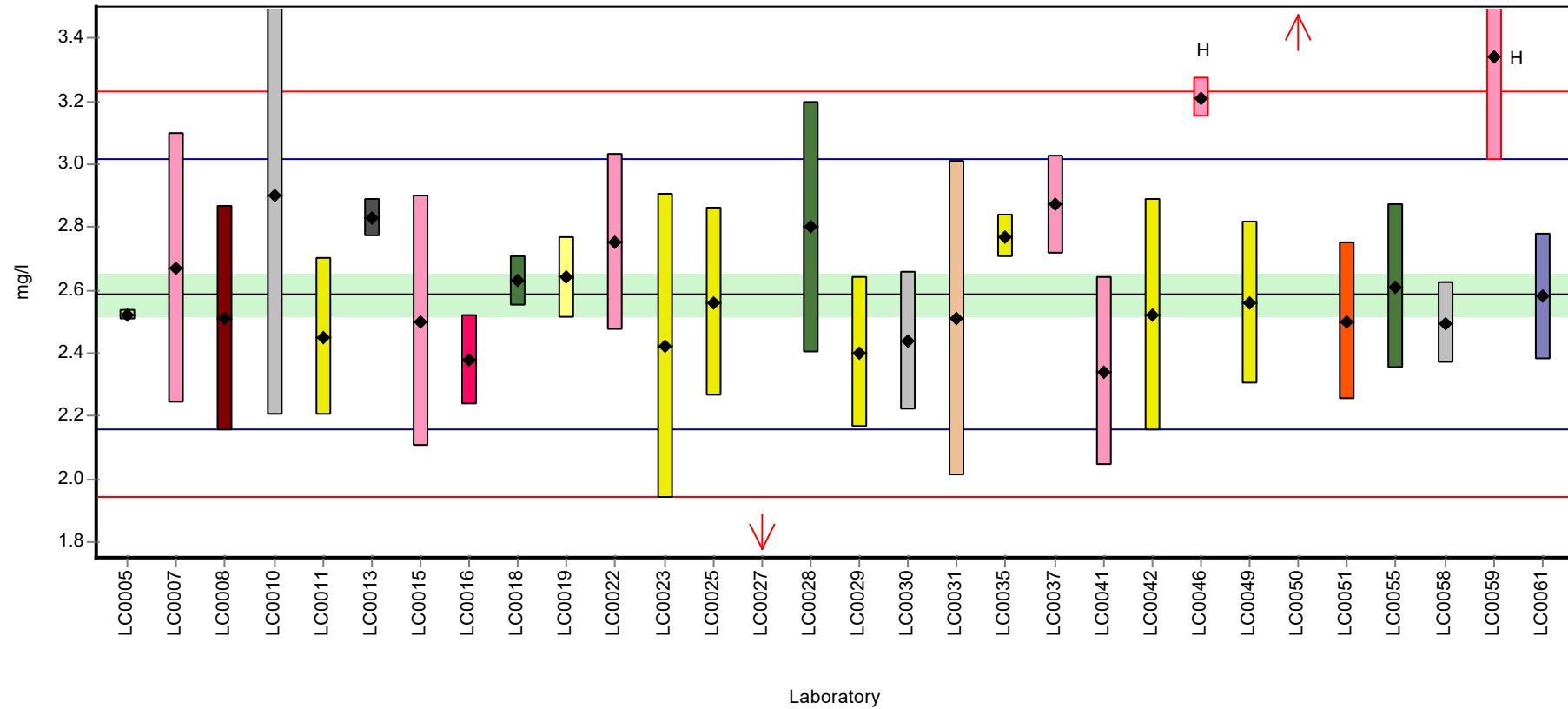
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	2.52	0.015	97.5	-0.31	
LC0006	-	-	-	-	
LC0007	2.67	0.43	103	0.39	
LC0008	2.508	0.358	97	-0.36	
LC0009	-	-	-	-	
LC0010	2.9	0.7	112	1.47	
LC0011	2.45	0.25	94.8	-0.63	
LC0012	-	-	-	-	
LC0013	2.83	0.06	109	1.14	
LC0014	-	-	-	-	
LC0015	2.5	0.4	96.7	-0.4	
LC0016	2.38	0.143	92	-0.96	
LC0017	-	-	-	-	
LC0018	2.63	0.08	102	0.21	
LC0019	2.64	0.13	102	0.25	
LC0020	-	-	-	-	
LC0021	-	-	-	-	
LC0022	2.75	0.28	106	0.77	
LC0023	2.42	0.484	93.6	-0.77	
LC0024	-	-	-	-	
LC0025	2.56	0.3	99	-0.12	
LC0026	-	-	-	-	
LC0027	0.248	0.074	9.6	-10.9	H
LC0028	2.8	0.4	108	1	
LC0029	2.4	0.24	92.8	-0.86	
LC0030	2.44	0.22	94.4	-0.68	
LC0031	2.51	0.5	97.1	-0.35	
LC0032	-	-	-	-	
LC0033	-	-	-	-	
LC0034	-	-	-	-	
LC0035	2.77	0.07	107	0.86	
LC0036	-	-	-	-	
LC0037	2.87	0.159	111	1.33	
LC0038	-	-	-	-	
LC0039	-	-	-	-	
LC0040	-	-	-	-	
LC0041	2.34	0.3	90.5	-1.14	

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	2.52	0.37	97.5	-0.31	
LC0043	-	-	-	-	
LC0044	-	-	-	-	
LC0045	-	-	-	-	
LC0046	3.21	0.064	124	2.91	H
LC0047	-	-	-	-	
LC0048	-	-	-	-	
LC0049	2.56	0.26	99	-0.12	
LC0050	3.71	0.02	143	5.24	H
LC0051	2.5	0.25	96.7	-0.4	
LC0052	-	-	-	-	
LC0053	-	-	-	-	
LC0054	-	-	-	-	
LC0055	2.61	0.26	101	0.11	
LC0056	-	-	-	-	
LC0057	-	-	-	-	
LC0058	2.495	0.129	96.5	-0.42	
LC0059	3.34	0.33	129	3.52	H
LC0060	-	-	-	-	
LC0061	2.58	0.2	99.8	-0.03	
LC0062	-	-	-	-	

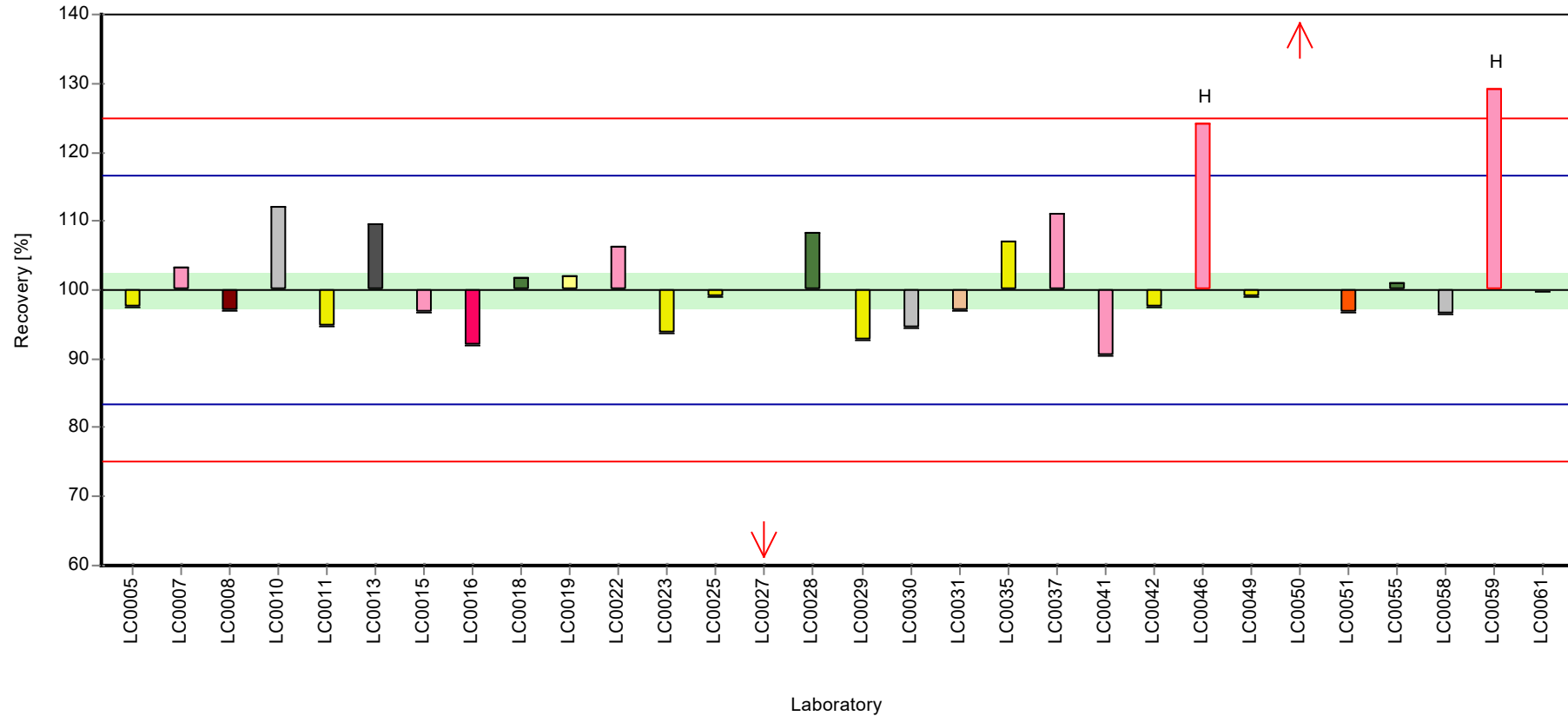
Characteristics of parameter

	all results	without outliers	Unit
Mean ± CI (99%)	2.59 ± 0.293	2.58 ± 0.0917	mg/l
Minimum	0.248	2.34	mg/l
Maximum	3.71	2.9	mg/l
Standard deviation	0.535	0.156	mg/l
rel. standard deviation	20.7	6.04	%
n	30	26	-

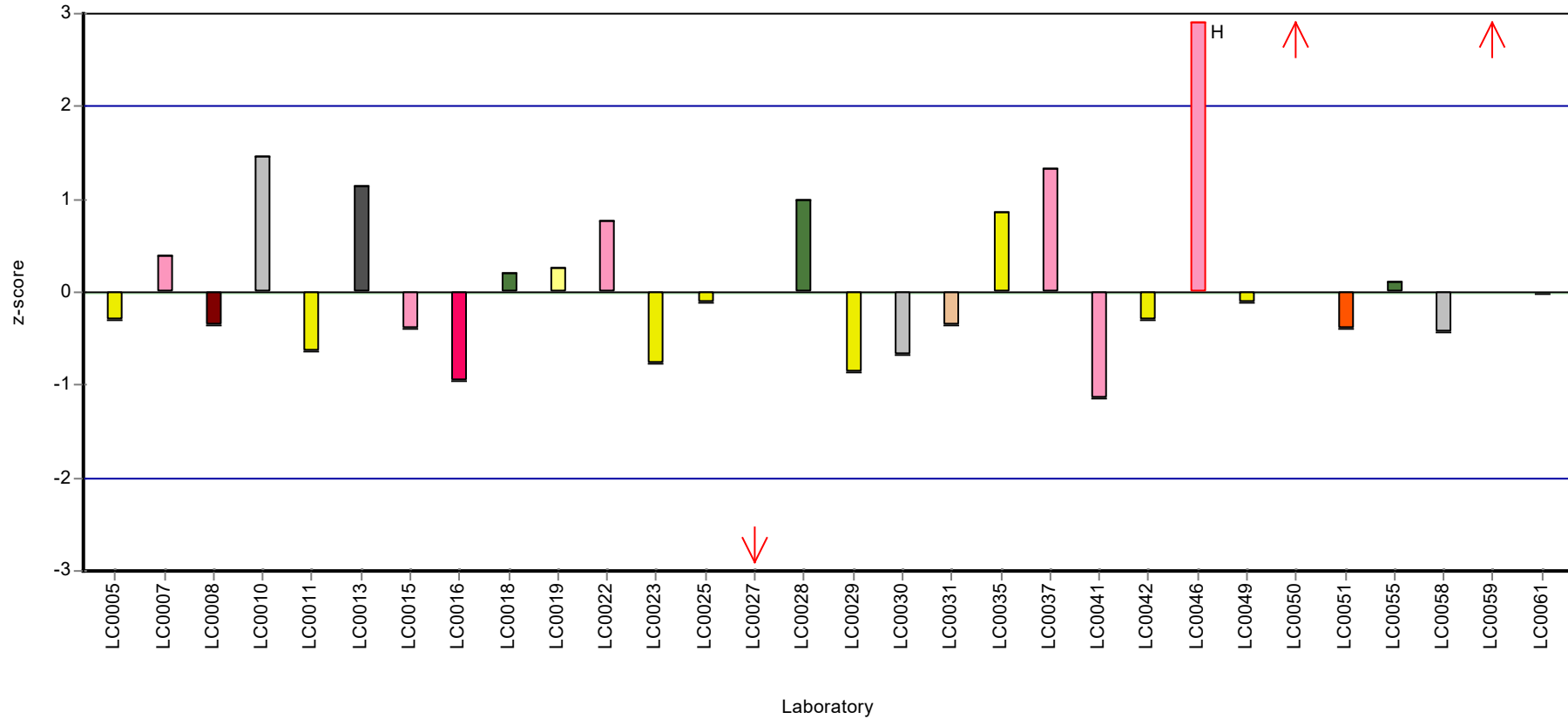
Graphical presentation of results
Results



Recovery rate



Z-score



Parameter oriented report

N155 B

Total nitrogen

Unit	mg/l
Assigned value ± U (k=2)	5.05 ± 0.0813
Criterion	0.42 (8.3 %)
Minimum - Maximum	4.65 - 5.44
Control test value ± U (k=2)	5.38 ± 0.38

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	5.22	0.03	103	0.39	
LC0006	-	-	-	-	
LC0007	5.07	0.83	100	0.04	
LC0008	5.009	0.715	99.1	-0.11	
LC0009	-	-	-	-	
LC0010	5.1	1.1	101	0.11	
LC0011	4.97	0.5	98.3	-0.2	
LC0012	-	-	-	-	
LC0013	5.14	0.05	102	0.2	
LC0014	-	-	-	-	
LC0015	5	0.8	98.9	-0.13	
LC0016	4.65	0.279	92	-0.96	
LC0017	-	-	-	-	
LC0018	5.42	0.16	107	0.87	
LC0019	5.27	0.26	104	0.51	
LC0020	-	-	-	-	
LC0021	-	-	-	-	
LC0022	5.44	0.55	108	0.92	
LC0023	4.86	0.972	96.2	-0.46	
LC0024	-	-	-	-	
LC0025	5.15	0.5	102	0.23	
LC0026	-	-	-	-	
LC0027	0.779	0.234	15.4	-10.2	H
LC0028	5.4	0.8	107	0.82	
LC0029	4.8	0.48	95	-0.61	
LC0030	4.76	0.43	94.2	-0.7	
LC0031	4.96	0.99	98.1	-0.23	
LC0032	-	-	-	-	
LC0033	-	-	-	-	
LC0034	-	-	-	-	
LC0035	5.42	0.07	107	0.87	
LC0036	-	-	-	-	
LC0037	4.99	0.276	98.7	-0.15	
LC0038	-	-	-	-	
LC0039	-	-	-	-	
LC0040	-	-	-	-	
LC0041	4.93	0.4	97.5	-0.3	

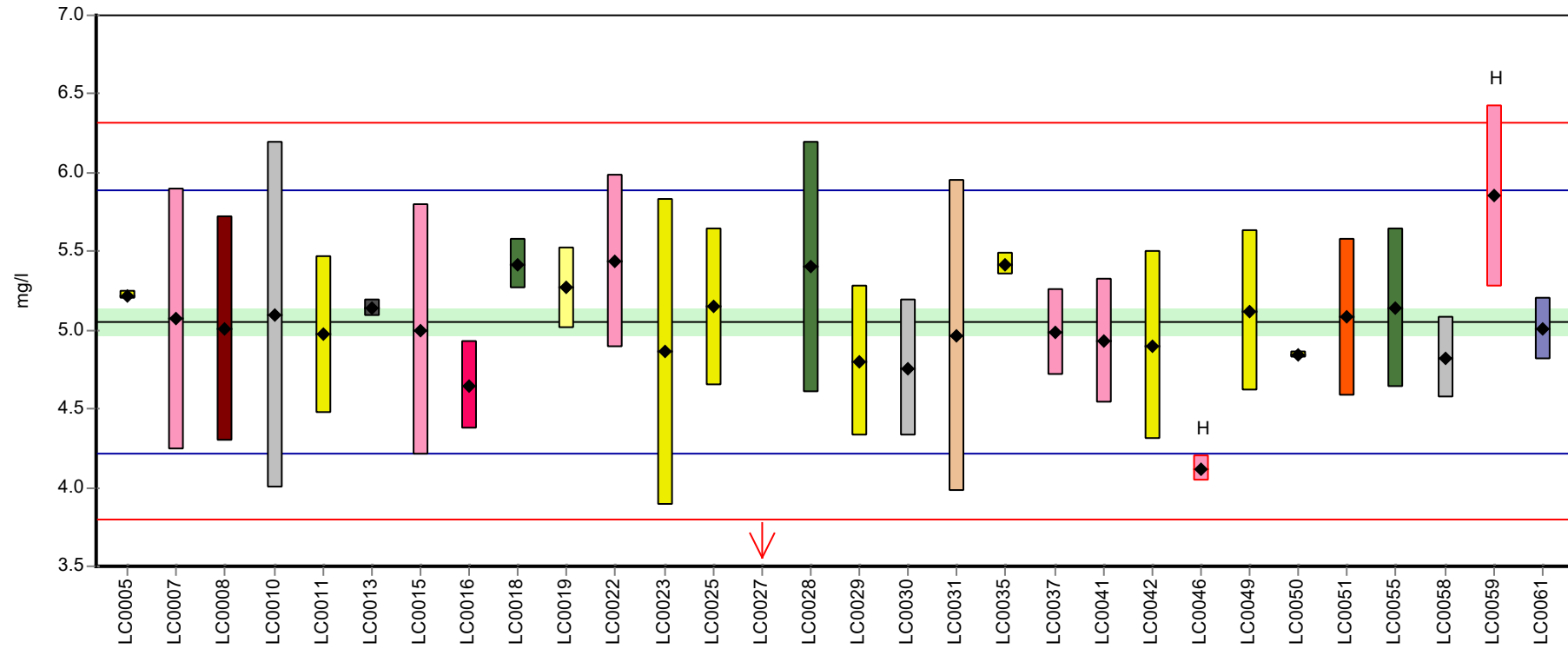
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	4.9	0.6	96.9	-0.37	
LC0043	-	-	-	-	
LC0044	-	-	-	-	
LC0045	-	-	-	-	
LC0046	4.12	0.082	81.5	-2.23	H
LC0047	-	-	-	-	
LC0048	-	-	-	-	
LC0049	5.12	0.51	101	0.16	
LC0050	4.84	0.02	95.8	-0.51	
LC0051	5.08	0.5	101	0.06	
LC0052	-	-	-	-	
LC0053	-	-	-	-	
LC0054	-	-	-	-	
LC0055	5.14	0.51	102	0.2	
LC0056	-	-	-	-	
LC0057	-	-	-	-	
LC0058	4.823	0.2582	95.4	-0.55	
LC0059	5.85	0.58	116	1.9	H
LC0060	-	-	-	-	
LC0061	5.01	0.2	99.1	-0.11	
LC0062	-	-	-	-	

Characteristics of parameter

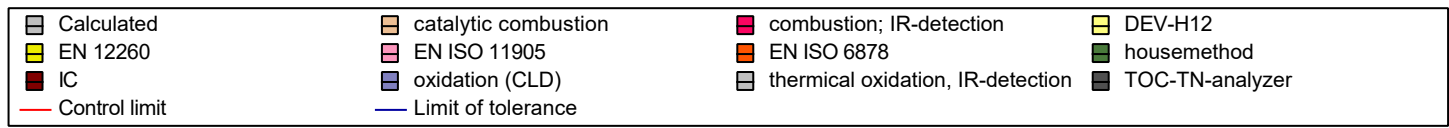
	all results	without outliers	Unit
Mean ± CI (99%)	4.91 ± 0.458	5.05 ± 0.122	mg/l
Minimum	0.779	4.65	mg/l
Maximum	5.85	5.44	mg/l
Standard deviation	0.837	0.211	mg/l
rel. standard deviation	17	4.18	%
n	30	27	-

Graphical presentation of results

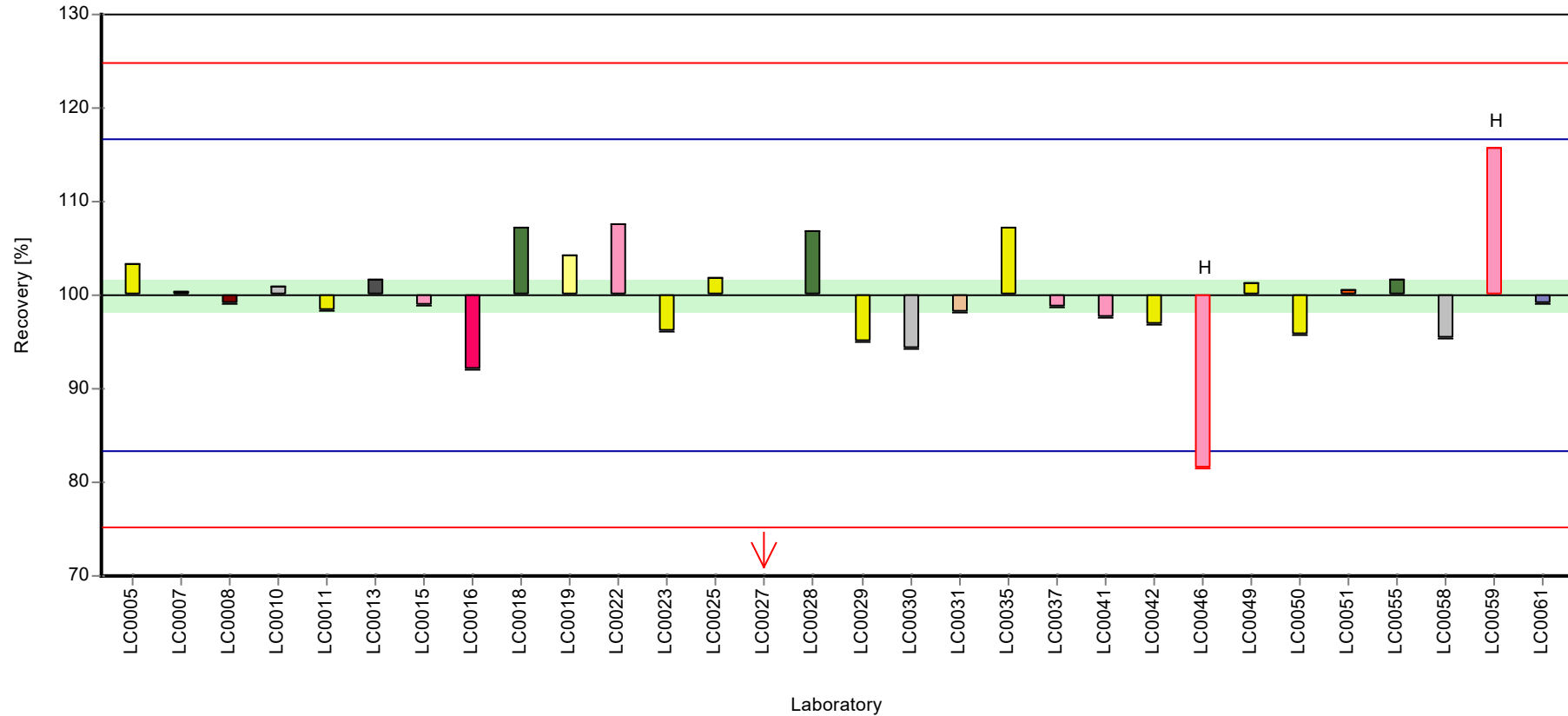
Results



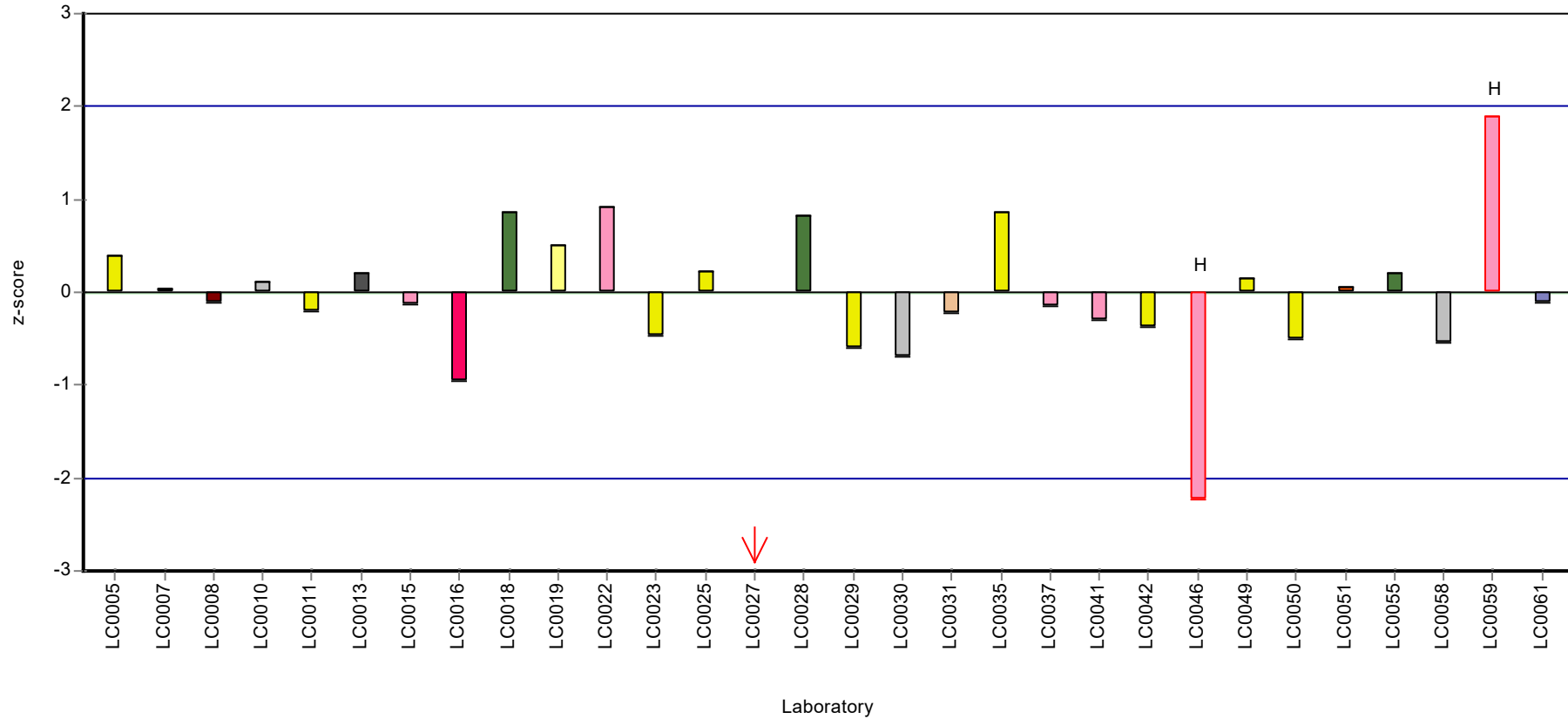
Laboratory



Recovery rate



Z-score



E8. Labororientierte Auswertung / Laboratory oriented report

Die Labororientierte Auswertung ist nach dem Laborcode sortiert.

The laboratory oriented report is sorted by laboratory code.

Sample: N155A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	7.28 ± 0.029	- ± -	0.146	-	-
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00275	<0.09 (LOQ) ± -	0.0102	-	-
Boron	mg/l	0.0534 ± 0.00214	- ± -	0.00588	-	-
Calcium	mg/l	155 ± 2	159 ± 0.4	4.82	102	0.76
Chloride	mg/l	85.1 ± 0.62	80.8 ± 0.5	3.4	95	-1.25
El. conductivity (25°C)	µS/cm	1080 ± 4.42	- ± -	14	-	-
Hydrogen carbonate	mg/l	442 ± 1.46	- ± -	8.84	-	-
Magnesium	mg/l	36.2 ± 0.459	34.8 ± 0.2	1.45	96.2	-0.96
Nitrate (as NO ₃)	mg/l	10.7 ± 0.126	10.3 ± 0.2	0.537	95.9	-0.82
Nitrite (as NO ₂)	mg/l	0.102 ± 0.00202	- ± -	0.00539	-	-
Orthophosphate (as PO ₄)	mg/l	0.0589 ± 0.00231	- ± -	0.0053	-	-
pH-value	-	7.73 ± 0.027	- ± -	0.155	-	-
Potassium	mg/l	2.4 ± 0.0526	2.31 ± 0.02	0.125	96.4	-0.70
Sodium	mg/l	21.5 ± 0.289	21 ± 0.06	0.73	97.8	-0.66
Sulfate (as SO ₄)	mg/l	94.2 ± 1.02	94.1 ± 0.4	3.11	99.8	-0.05
Total-P (as PO ₄)	mg/l	1.16 ± 0.0213	<0.25 (LOQ) ± -	0.0869	-	-
Total hardness	mmol/l	5.41 ± 0.0392	- ± -	0.162	-	-
Total nitrogen	mg/l	2.59 ± 0.0647	- ± -	0.215	-	-

Sample: N155ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.07 ± 0.0588	- ± -	0.207	-	-

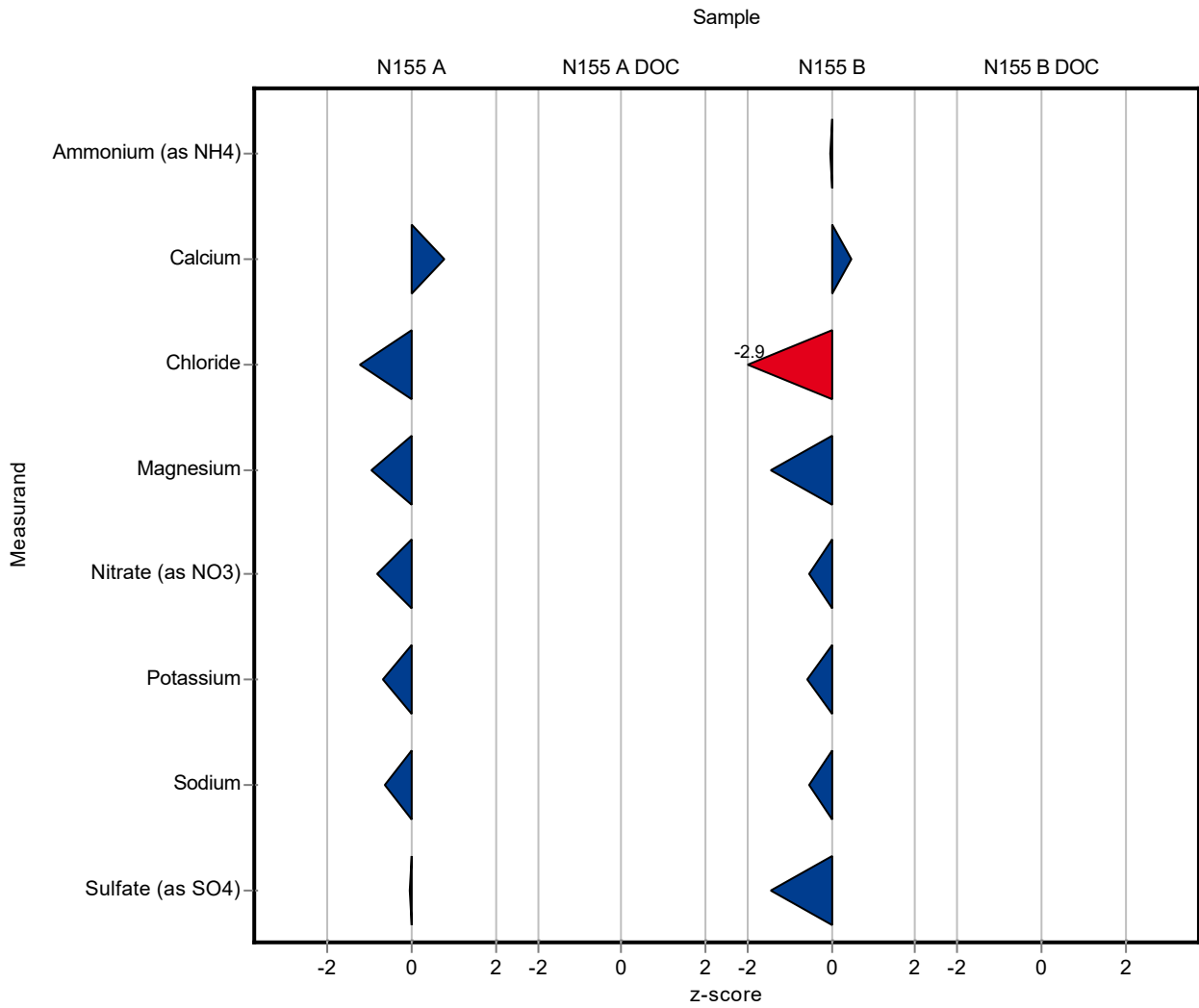
Sample: N155B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	3.11 ± 0.0171	- ± -	0.0622	-	-
Ammonium (as NH ₄)	mg/l	0.359 ± 0.00779	0.357 ± 0.002	0.0431	99.4	-0.05
Boron	mg/l	0.0189 ± 0.000778	- ± -	0.00208	-	-
Calcium	mg/l	58.7 ± 0.681	59.6 ± 0.1	1.82	101	0.47

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Chloride	mg/l	44.2 ± 0.341	39 ± 0.3	1.77	88.3	-2.93
El. conductivity (25°C)	µS/cm	517 ± 1.75	- ± -	6.72	-	-
Hydrogen carbonate	mg/l	189 ± 1.54	- ± -	3.78	-	-
Magnesium	mg/l	12.5 ± 0.185	11.8 ± 0.3	0.501	94.2	-1.44
Nitrate (as NO ₃)	mg/l	20.1 ± 0.156	19.6 ± 0.3	1.01	97.4	-0.51
Nitrite (as NO ₂)	mg/l	0.24 ± 0.00384	- ± -	0.0127	-	-
Orthophosphate (as PO ₄)	mg/l	0.235 ± 0.00356	- ± -	0.0212	-	-
pH-value	-	7.92 ± 0.0209	- ± -	0.158	-	-
Potassium	mg/l	2.94 ± 0.0476	2.85 ± 0.02	0.153	96.9	-0.59
Sodium	mg/l	25.6 ± 0.277	25.1 ± 0.4	0.87	98.1	-0.55
Sulfate (as SO ₄)	mg/l	24.7 ± 0.31	23.5 ± 0.3	0.815	95.2	-1.46
Total-P (as PO ₄)	mg/l	1.1 ± 0.0151	<0.25 (LOQ) ± -	0.0824	-	-
Total hardness	mmol/l	2 ± 0.0126	- ± -	0.0599	-	-
Total nitrogen	mg/l	5.05 ± 0.0813	- ± -	0.42	-	-

Sample: N155BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	4.27 ± 0.0971	- ± -	0.427	-	-



Sample: N155A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	7.28 ± 0.029	- ± -	0.146	-	-
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00275	<0.09 (LOQ) ± -	0.0102	-	-
Boron	mg/l	0.0534 ± 0.00214	- ± -	0.00588	-	-
Calcium	mg/l	155 ± 2	159 ± 0.4	4.82	102	1.70
Chloride	mg/l	85.1 ± 0.62	80.8 ± 0.5	3.4	95	-3.61
El. conductivity (25°C)	µS/cm	1080 ± 4.42	- ± -	14	-	-
Hydrogen carbonate	mg/l	442 ± 1.46	- ± -	8.84	-	-
Magnesium	mg/l	36.2 ± 0.459	34.8 ± 0.2	1.45	96.2	-2.28
Nitrate (as NO ₃)	mg/l	10.7 ± 0.126	10.3 ± 0.2	0.537	95.9	-1.05
Nitrite (as NO ₂)	mg/l	0.102 ± 0.00202	- ± -	0.00539	-	-
Orthophosphate (as PO ₄)	mg/l	0.0589 ± 0.00231	- ± -	0.0053	-	-
pH-value	-	7.73 ± 0.027	- ± -	0.155	-	-
Potassium	mg/l	2.4 ± 0.0526	2.31 ± 0.02	0.125	96.4	-1.32
Sodium	mg/l	21.5 ± 0.289	21 ± 0.06	0.73	97.8	-1.54
Sulfate (as SO ₄)	mg/l	94.2 ± 1.02	94.1 ± 0.4	3.11	99.8	-0.11
Total-P (as PO ₄)	mg/l	1.16 ± 0.0213	<0.25 (LOQ) ± -	0.0869	-	-
Total hardness	mmol/l	5.41 ± 0.0392	- ± -	0.162	-	-
Total nitrogen	mg/l	2.59 ± 0.0647	- ± -	0.215	-	-

Sample: N155ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	2.07 ± 0.0588	- ± -	0.207	-	-

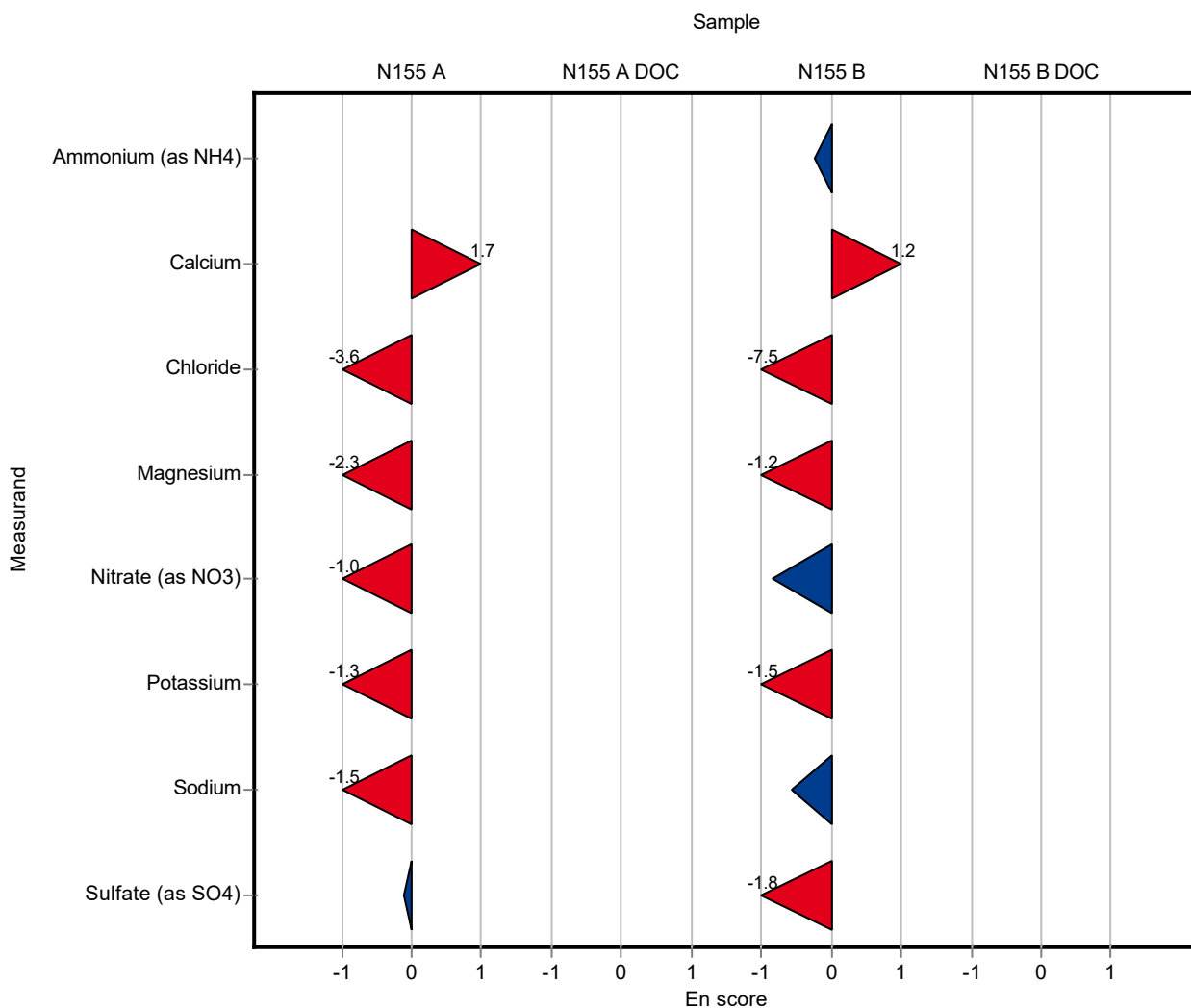
Sample: N155B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	3.11 ± 0.0171	- ± -	0.0622	-	-
Ammonium (as NH ₄)	mg/l	0.359 ± 0.00779	0.357 ± 0.002	0.0431	99.4	-0.25
Boron	mg/l	0.0189 ± 0.000778	- ± -	0.00208	-	-
Calcium	mg/l	58.7 ± 0.681	59.6 ± 0.1	1.82	101	1.21

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Chloride	mg/l	44.2 ± 0.341	39 ± 0.3	1.77	88.3	-7.51
El. conductivity (25°C)	µS/cm	517 ± 1.75	- ± -	6.72	-	-
Hydrogen carbonate	mg/l	189 ± 1.54	- ± -	3.78	-	-
Magnesium	mg/l	12.5 ± 0.185	11.8 ± 0.3	0.501	94.2	-1.15
Nitrate (as NO ₃)	mg/l	20.1 ± 0.156	19.6 ± 0.3	1.01	97.4	-0.83
Nitrite (as NO ₂)	mg/l	0.24 ± 0.00384	- ± -	0.0127	-	-
Orthophosphate (as PO ₄)	mg/l	0.235 ± 0.00356	- ± -	0.0212	-	-
pH-value	-	7.92 ± 0.0209	- ± -	0.158	-	-
Potassium	mg/l	2.94 ± 0.0476	2.85 ± 0.02	0.153	96.9	-1.46
Sodium	mg/l	25.6 ± 0.277	25.1 ± 0.4	0.87	98.1	-0.56
Sulfate (as SO ₄)	mg/l	24.7 ± 0.31	23.5 ± 0.3	0.815	95.2	-1.76
Total-P (as PO ₄)	mg/l	1.1 ± 0.0151	<0.25 (LOQ) ± -	0.0824	-	-
Total hardness	mmol/l	2 ± 0.0126	- ± -	0.0599	-	-
Total nitrogen	mg/l	5.05 ± 0.0813	- ± -	0.42	-	-

Sample: N155BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	4.27 ± 0.0971	- ± -	0.427	-	-



Sample: N155A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	7.28 ± 0.029	- ± -	0.146	-	-
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00275	- ± -	0.0102	-	-
Boron	mg/l	0.0534 ± 0.00214	- ± -	0.00588	-	-
Calcium	mg/l	155 ± 2	- ± -	4.82	-	-
Chloride	mg/l	85.1 ± 0.62	- ± -	3.4	-	-
El. conductivity (25°C)	µS/cm	1080 ± 4.42	- ± -	14	-	-
Hydrogen carbonate	mg/l	442 ± 1.46	- ± -	8.84	-	-
Magnesium	mg/l	36.2 ± 0.459	- ± -	1.45	-	-
Nitrate (as NO ₃)	mg/l	10.7 ± 0.126	- ± -	0.537	-	-
Nitrite (as NO ₂)	mg/l	0.102 ± 0.00202	- ± -	0.00539	-	-
Orthophosphate (as PO ₄)	mg/l	0.0589 ± 0.00231	- ± -	0.0053	-	-
pH-value	-	7.73 ± 0.027	- ± -	0.155	-	-
Potassium	mg/l	2.4 ± 0.0526	- ± -	0.125	-	-
Sodium	mg/l	21.5 ± 0.289	- ± -	0.73	-	-
Sulfate (as SO ₄)	mg/l	94.2 ± 1.02	- ± -	3.11	-	-
Total-P (as PO ₄)	mg/l	1.16 ± 0.0213	- ± -	0.0869	-	-
Total hardness	mmol/l	5.41 ± 0.0392	- ± -	0.162	-	-
Total nitrogen	mg/l	2.59 ± 0.0647	- ± -	0.215	-	-

Sample: N155ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.07 ± 0.0588	- ± -	0.207	-	-

Sample: N155B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	3.11 ± 0.0171	- ± -	0.0622	-	-
Ammonium (as NH ₄)	mg/l	0.359 ± 0.00779	- ± -	0.0431	-	-
Boron	mg/l	0.0189 ± 0.000778	- ± -	0.00208	-	-
Calcium	mg/l	58.7 ± 0.681	- ± -	1.82	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Chloride	mg/l	44.2 ± 0.341	- ± -	1.77	-	-
El. conductivity (25°C)	µS/cm	517 ± 1.75	- ± -	6.72	-	-
Hydrogen carbonate	mg/l	189 ± 1.54	- ± -	3.78	-	-
Magnesium	mg/l	12.5 ± 0.185	- ± -	0.501	-	-
Nitrate (as NO ₃)	mg/l	20.1 ± 0.156	- ± -	1.01	-	-
Nitrite (as NO ₂)	mg/l	0.24 ± 0.00384	- ± -	0.0127	-	-
Orthophosphate (as PO ₄)	mg/l	0.235 ± 0.00356	- ± -	0.0212	-	-
pH-value	-	7.92 ± 0.0209	- ± -	0.158	-	-
Potassium	mg/l	2.94 ± 0.0476	- ± -	0.153	-	-
Sodium	mg/l	25.6 ± 0.277	- ± -	0.87	-	-
Sulfate (as SO ₄)	mg/l	24.7 ± 0.31	- ± -	0.815	-	-
Total-P (as PO ₄)	mg/l	1.1 ± 0.0151	- ± -	0.0824	-	-
Total hardness	mmol/l	2 ± 0.0126	- ± -	0.0599	-	-
Total nitrogen	mg/l	5.05 ± 0.0813	- ± -	0.42	-	-

Sample: N155BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	4.27 ± 0.0971	- ± -	0.427	-	-

Sample: N155A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	7.28 ± 0.029	- ± -	0.146	-	-
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00275	- ± -	0.0102	-	-
Boron	mg/l	0.0534 ± 0.00214	- ± -	0.00588	-	-
Calcium	mg/l	155 ± 2	- ± -	4.82	-	-
Chloride	mg/l	85.1 ± 0.62	- ± -	3.4	-	-
El. conductivity (25°C)	µS/cm	1080 ± 4.42	- ± -	14	-	-
Hydrogen carbonate	mg/l	442 ± 1.46	- ± -	8.84	-	-
Magnesium	mg/l	36.2 ± 0.459	- ± -	1.45	-	-
Nitrate (as NO ₃)	mg/l	10.7 ± 0.126	- ± -	0.537	-	-
Nitrite (as NO ₂)	mg/l	0.102 ± 0.00202	- ± -	0.00539	-	-
Orthophosphate (as PO ₄)	mg/l	0.0589 ± 0.00231	- ± -	0.0053	-	-
pH-value	-	7.73 ± 0.027	- ± -	0.155	-	-
Potassium	mg/l	2.4 ± 0.0526	- ± -	0.125	-	-
Sodium	mg/l	21.5 ± 0.289	- ± -	0.73	-	-
Sulfate (as SO ₄)	mg/l	94.2 ± 1.02	- ± -	3.11	-	-
Total-P (as PO ₄)	mg/l	1.16 ± 0.0213	- ± -	0.0869	-	-
Total hardness	mmol/l	5.41 ± 0.0392	- ± -	0.162	-	-
Total nitrogen	mg/l	2.59 ± 0.0647	- ± -	0.215	-	-

Sample: N155ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	2.07 ± 0.0588	- ± -	0.207	-	-

Sample: N155B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	3.11 ± 0.0171	- ± -	0.0622	-	-
Ammonium (as NH ₄)	mg/l	0.359 ± 0.00779	- ± -	0.0431	-	-
Boron	mg/l	0.0189 ± 0.000778	- ± -	0.00208	-	-
Calcium	mg/l	58.7 ± 0.681	- ± -	1.82	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Chloride	mg/l	44.2 ± 0.341	- ± -	1.77	-	-
El. conductivity (25°C)	µS/cm	517 ± 1.75	- ± -	6.72	-	-
Hydrogen carbonate	mg/l	189 ± 1.54	- ± -	3.78	-	-
Magnesium	mg/l	12.5 ± 0.185	- ± -	0.501	-	-
Nitrate (as NO ₃)	mg/l	20.1 ± 0.156	- ± -	1.01	-	-
Nitrite (as NO ₂)	mg/l	0.24 ± 0.00384	- ± -	0.0127	-	-
Orthophosphate (as PO ₄)	mg/l	0.235 ± 0.00356	- ± -	0.0212	-	-
pH-value	-	7.92 ± 0.0209	- ± -	0.158	-	-
Potassium	mg/l	2.94 ± 0.0476	- ± -	0.153	-	-
Sodium	mg/l	25.6 ± 0.277	- ± -	0.87	-	-
Sulfate (as SO ₄)	mg/l	24.7 ± 0.31	- ± -	0.815	-	-
Total-P (as PO ₄)	mg/l	1.1 ± 0.0151	- ± -	0.0824	-	-
Total hardness	mmol/l	2 ± 0.0126	- ± -	0.0599	-	-
Total nitrogen	mg/l	5.05 ± 0.0813	- ± -	0.42	-	-

Sample: N155BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	4.27 ± 0.0971	- ± -	0.427	-	-

Sample: N155A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	7.28 ± 0.029	7.2 ± 0.36	0.146	98.9	-0.57
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00275	- ± -	0.0102	-	-
Boron	mg/l	0.0534 ± 0.00214	- ± -	0.00588	-	-
Calcium	mg/l	155 ± 2	- ± -	4.82	-	-
Chloride	mg/l	85.1 ± 0.62	- ± -	3.4	-	-
El. conductivity (25°C)	µS/cm	1080 ± 4.42	1080 ± 32.4	14	100	0.07
Hydrogen carbonate	mg/l	442 ± 1.46	- ± -	8.84	-	-
Magnesium	mg/l	36.2 ± 0.459	- ± -	1.45	-	-
Nitrate (as NO ₃)	mg/l	10.7 ± 0.126	- ± -	0.537	-	-
Nitrite (as NO ₂)	mg/l	0.102 ± 0.00202	- ± -	0.00539	-	-
Orthophosphate (as PO ₄)	mg/l	0.0589 ± 0.00231	- ± -	0.0053	-	-
pH-value	-	7.73 ± 0.027	7.75 ± 0.04	0.155	100	0.11
Potassium	mg/l	2.4 ± 0.0526	- ± -	0.125	-	-
Sodium	mg/l	21.5 ± 0.289	- ± -	0.73	-	-
Sulfate (as SO ₄)	mg/l	94.2 ± 1.02	- ± -	3.11	-	-
Total-P (as PO ₄)	mg/l	1.16 ± 0.0213	- ± -	0.0869	-	-
Total hardness	mmol/l	5.41 ± 0.0392	- ± -	0.162	-	-
Total nitrogen	mg/l	2.59 ± 0.0647	- ± -	0.215	-	-

Sample: N155ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.07 ± 0.0588	- ± -	0.207	-	-

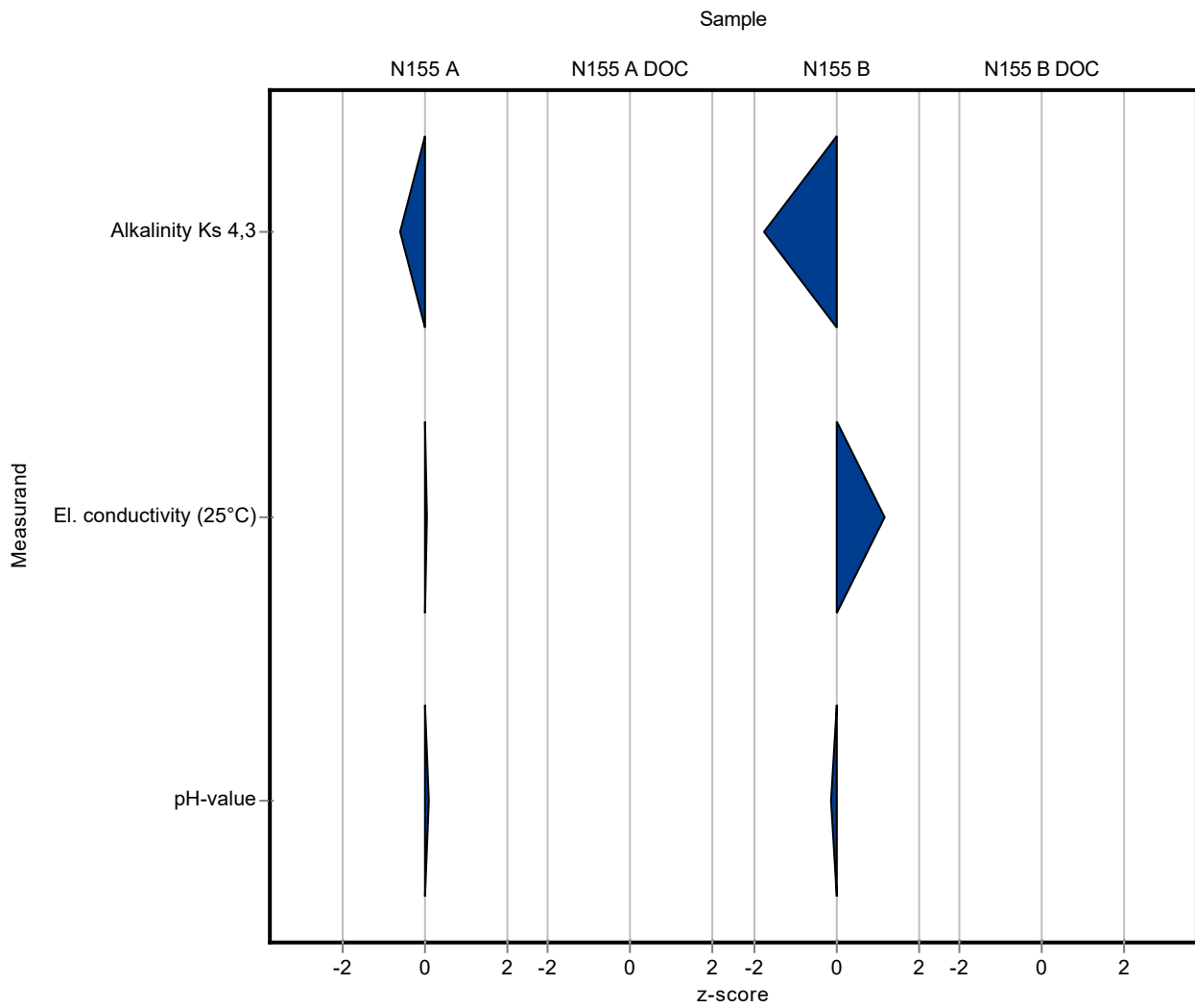
Sample: N155B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	3.11 ± 0.0171	3 ± 0.15	0.0622	96.5	-1.76
Ammonium (as NH ₄)	mg/l	0.359 ± 0.00779	- ± -	0.0431	-	-
Boron	mg/l	0.0189 ± 0.000778	- ± -	0.00208	-	-
Calcium	mg/l	58.7 ± 0.681	- ± -	1.82	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Chloride	mg/l	44.2 ± 0.341	- ± -	1.77	-	-
El. conductivity (25°C)	µS/cm	517 ± 1.75	525 ± 16	6.72	102	1.18
Hydrogen carbonate	mg/l	189 ± 1.54	- ± -	3.78	-	-
Magnesium	mg/l	12.5 ± 0.185	- ± -	0.501	-	-
Nitrate (as NO ₃)	mg/l	20.1 ± 0.156	- ± -	1.01	-	-
Nitrite (as NO ₂)	mg/l	0.24 ± 0.00384	- ± -	0.0127	-	-
Orthophosphate (as PO ₄)	mg/l	0.235 ± 0.00356	- ± -	0.0212	-	-
pH-value	-	7.92 ± 0.0209	7.9 ± 0.04	0.158	99.7	-0.15
Potassium	mg/l	2.94 ± 0.0476	- ± -	0.153	-	-
Sodium	mg/l	25.6 ± 0.277	- ± -	0.87	-	-
Sulfate (as SO ₄)	mg/l	24.7 ± 0.31	- ± -	0.815	-	-
Total-P (as PO ₄)	mg/l	1.1 ± 0.0151	- ± -	0.0824	-	-
Total hardness	mmol/l	2 ± 0.0126	- ± -	0.0599	-	-
Total nitrogen	mg/l	5.05 ± 0.0813	- ± -	0.42	-	-

Sample: N155BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	4.27 ± 0.0971	- ± -	0.427	-	-



Sample: N155A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	7.28 ± 0.029	7.2 ± 0.36	0.146	98.9	-0.12
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00275	- ± -	0.0102	-	-
Boron	mg/l	0.0534 ± 0.00214	- ± -	0.00588	-	-
Calcium	mg/l	155 ± 2	- ± -	4.82	-	-
Chloride	mg/l	85.1 ± 0.62	- ± -	3.4	-	-
El. conductivity (25°C)	µS/cm	1080 ± 4.42	1080 ± 32.4	14	100	0.01
Hydrogen carbonate	mg/l	442 ± 1.46	- ± -	8.84	-	-
Magnesium	mg/l	36.2 ± 0.459	- ± -	1.45	-	-
Nitrate (as NO ₃)	mg/l	10.7 ± 0.126	- ± -	0.537	-	-
Nitrite (as NO ₂)	mg/l	0.102 ± 0.00202	- ± -	0.00539	-	-
Orthophosphate (as PO ₄)	mg/l	0.0589 ± 0.00231	- ± -	0.0053	-	-
pH-value	-	7.73 ± 0.027	7.75 ± 0.04	0.155	100	0.20
Potassium	mg/l	2.4 ± 0.0526	- ± -	0.125	-	-
Sodium	mg/l	21.5 ± 0.289	- ± -	0.73	-	-
Sulfate (as SO ₄)	mg/l	94.2 ± 1.02	- ± -	3.11	-	-
Total-P (as PO ₄)	mg/l	1.16 ± 0.0213	- ± -	0.0869	-	-
Total hardness	mmol/l	5.41 ± 0.0392	- ± -	0.162	-	-
Total nitrogen	mg/l	2.59 ± 0.0647	- ± -	0.215	-	-

Sample: N155ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	2.07 ± 0.0588	- ± -	0.207	-	-

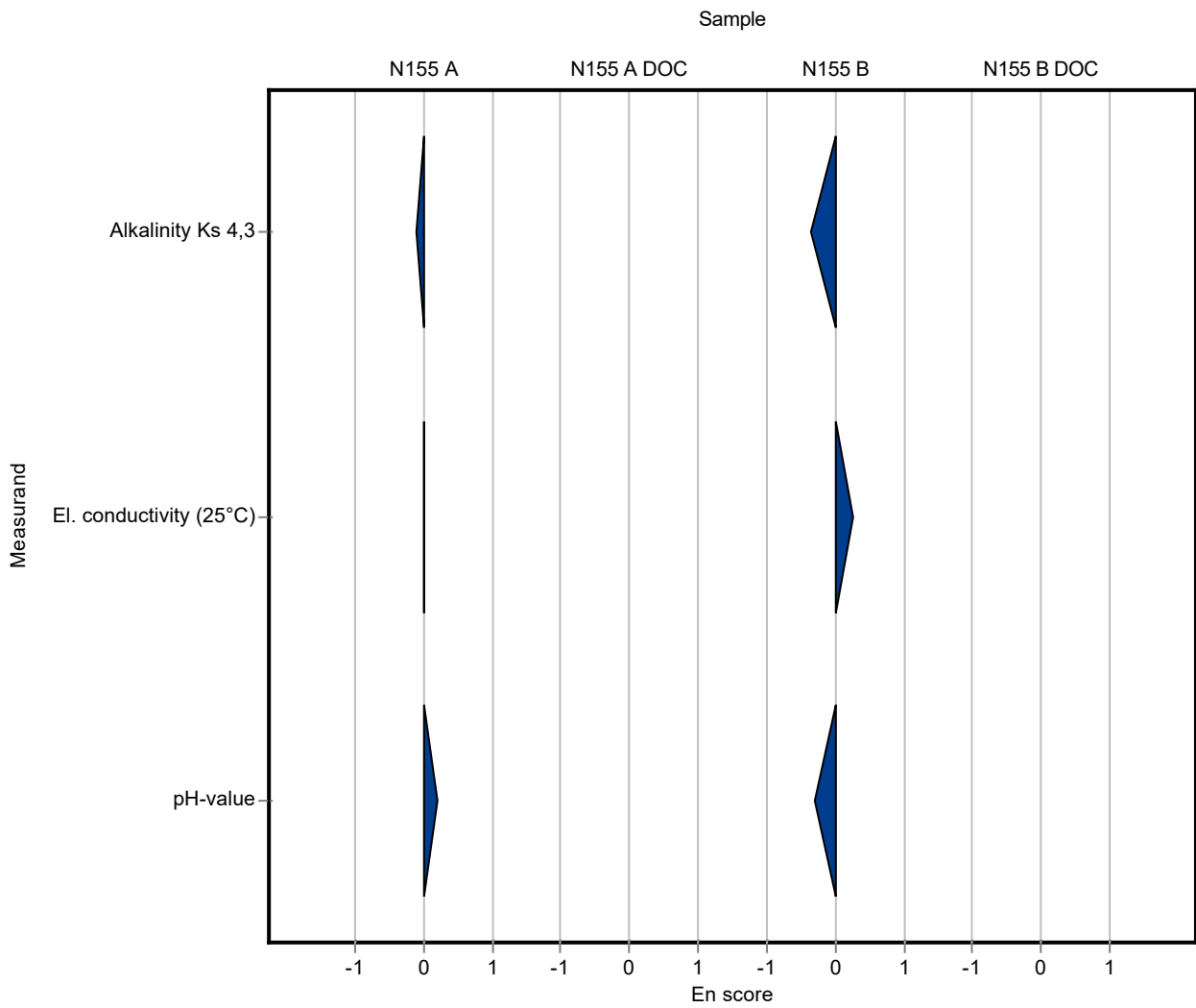
Sample: N155B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	3.11 ± 0.0171	3 ± 0.15	0.0622	96.5	-0.36
Ammonium (as NH ₄)	mg/l	0.359 ± 0.00779	- ± -	0.0431	-	-
Boron	mg/l	0.0189 ± 0.000778	- ± -	0.00208	-	-
Calcium	mg/l	58.7 ± 0.681	- ± -	1.82	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Chloride	mg/l	44.2 ± 0.341	- ± -	1.77	-	-
El. conductivity (25°C)	µS/cm	517 ± 1.75	525 ± 16	6.72	102	0.25
Hydrogen carbonate	mg/l	189 ± 1.54	- ± -	3.78	-	-
Magnesium	mg/l	12.5 ± 0.185	- ± -	0.501	-	-
Nitrate (as NO ₃)	mg/l	20.1 ± 0.156	- ± -	1.01	-	-
Nitrite (as NO ₂)	mg/l	0.24 ± 0.00384	- ± -	0.0127	-	-
Orthophosphate (as PO ₄)	mg/l	0.235 ± 0.00356	- ± -	0.0212	-	-
pH-value	-	7.92 ± 0.0209	7.9 ± 0.04	0.158	99.7	-0.29
Potassium	mg/l	2.94 ± 0.0476	- ± -	0.153	-	-
Sodium	mg/l	25.6 ± 0.277	- ± -	0.87	-	-
Sulfate (as SO ₄)	mg/l	24.7 ± 0.31	- ± -	0.815	-	-
Total-P (as PO ₄)	mg/l	1.1 ± 0.0151	- ± -	0.0824	-	-
Total hardness	mmol/l	2 ± 0.0126	- ± -	0.0599	-	-
Total nitrogen	mg/l	5.05 ± 0.0813	- ± -	0.42	-	-

Sample: N155BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	4.27 ± 0.0971	- ± -	0.427	-	-



Sample: N155A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	7.28 ± 0.029	7.27 ± 0.3	0.146	99.8	-0.09
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00275	0.074 ± 0.02	0.0102	86.7	-1.11
Boron	mg/l	0.0534 ± 0.00214	- ± -	0.00588	-	-
Calcium	mg/l	155 ± 2	158 ± 15	4.82	102	0.56
Chloride	mg/l	85.1 ± 0.62	86.4 ± 4.2	3.4	102	0.40
El. conductivity (25°C)	µS/cm	1080 ± 4.42	1090 ± 10	14	101	0.78
Hydrogen carbonate	mg/l	442 ± 1.46	443 ± 18	8.84	100	0.11
Magnesium	mg/l	36.2 ± 0.459	37.6 ± 4.1	1.45	104	0.98
Nitrate (as NO ₃)	mg/l	10.7 ± 0.126	10.8 ± 0.5	0.537	101	0.11
Nitrite (as NO ₂)	mg/l	0.102 ± 0.00202	0.1 ± 0.005	0.00539	98.3	-0.33
Orthophosphate (as PO ₄)	mg/l	0.0589 ± 0.00231	0.06 ± 0.003	0.0053	102	0.21
pH-value	-	7.73 ± 0.027	7.58 ± 0.02	0.155	98	-0.99
Potassium	mg/l	2.4 ± 0.0526	2.45 ± 0.23	0.125	102	0.42
Sodium	mg/l	21.5 ± 0.289	21.9 ± 2	0.73	102	0.57
Sulfate (as SO ₄)	mg/l	94.2 ± 1.02	94.9 ± 4.1	3.11	101	0.21
Total-P (as PO ₄)	mg/l	1.16 ± 0.0213	- ± -	0.0869	-	-
Total hardness	mmol/l	5.41 ± 0.0392	5.48 ± 0.55	0.162	101	0.43
Total nitrogen	mg/l	2.59 ± 0.0647	- ± -	0.215	-	-

Sample: N155ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.07 ± 0.0588	- ± -	0.207	-	-

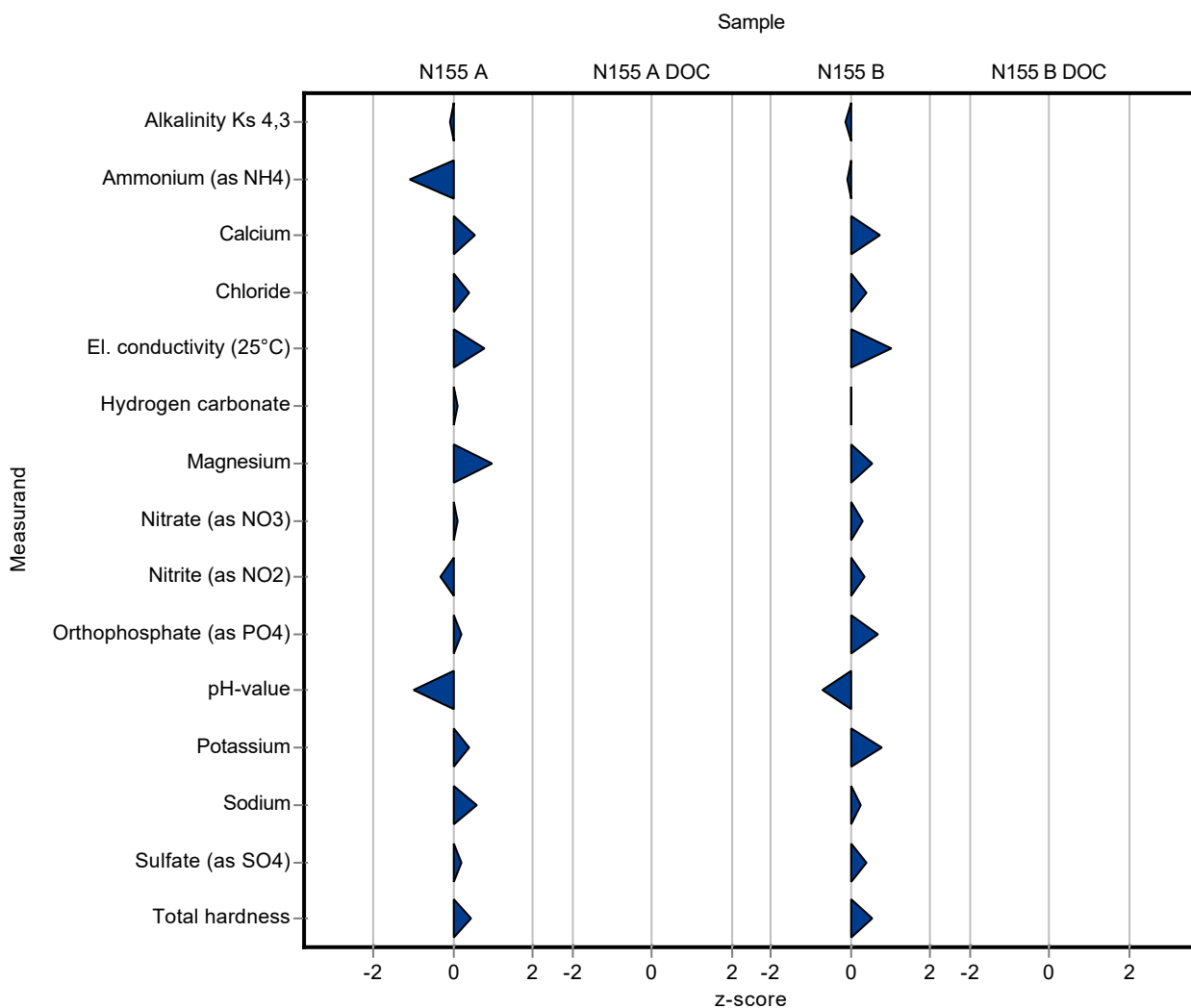
Sample: N155B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	3.11 ± 0.0171	3.1 ± 0.13	0.0622	99.7	-0.15
Ammonium (as NH ₄)	mg/l	0.359 ± 0.00779	0.355 ± 0.02	0.0431	98.8	-0.10
Boron	mg/l	0.0189 ± 0.000778	- ± -	0.00208	-	-
Calcium	mg/l	58.7 ± 0.681	60.1 ± 5.9	1.82	102	0.75

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Chloride	mg/l	44.2 ± 0.341	44.9 ± 2.2	1.77	102	0.41
El. conductivity (25°C)	µS/cm	517 ± 1.75	524 ± 4.72	6.72	101	1.03
Hydrogen carbonate	mg/l	189 ± 1.54	189 ± 7.76	3.78	100	-0.01
Magnesium	mg/l	12.5 ± 0.185	12.8 ± 1.4	0.501	102	0.56
Nitrate (as NO ₃)	mg/l	20.1 ± 0.156	20.4 ± 0.9	1.01	101	0.28
Nitrite (as NO ₂)	mg/l	0.24 ± 0.00384	0.244 ± 0.012	0.0127	102	0.33
Orthophosphate (as PO ₄)	mg/l	0.235 ± 0.00356	0.25 ± 0.012	0.0212	106	0.68
pH-value	-	7.92 ± 0.0209	7.81 ± 0.02	0.158	98.6	-0.72
Potassium	mg/l	2.94 ± 0.0476	3.06 ± 0.28	0.153	104	0.78
Sodium	mg/l	25.6 ± 0.277	25.8 ± 2.3	0.87	101	0.26
Sulfate (as SO ₄)	mg/l	24.7 ± 0.31	25 ± 1.1	0.815	101	0.39
Total-P (as PO ₄)	mg/l	1.1 ± 0.0151	- ± -	0.0824	-	-
Total hardness	mmol/l	2 ± 0.0126	2.03 ± 0.2	0.0599	102	0.56
Total nitrogen	mg/l	5.05 ± 0.0813	- ± -	0.42	-	-

Sample: N155BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	4.27 ± 0.0971	- ± -	0.427	-	-



Sample: N155A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	7.28 ± 0.029	7.27 ± 0.3	0.146	99.8	-0.02
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00275	0.074 ± 0.02	0.0102	86.7	-0.28
Boron	mg/l	0.0534 ± 0.00214	- ± -	0.00588	-	-
Calcium	mg/l	155 ± 2	158 ± 15	4.82	102	0.09
Chloride	mg/l	85.1 ± 0.62	86.4 ± 4.2	3.4	102	0.16
El. conductivity (25°C)	µS/cm	1080 ± 4.42	1090 ± 10	14	101	0.53
Hydrogen carbonate	mg/l	442 ± 1.46	443 ± 18	8.84	100	0.03
Magnesium	mg/l	36.2 ± 0.459	37.6 ± 4.1	1.45	104	0.17
Nitrate (as NO ₃)	mg/l	10.7 ± 0.126	10.8 ± 0.5	0.537	101	0.06
Nitrite (as NO ₂)	mg/l	0.102 ± 0.00202	0.1 ± 0.005	0.00539	98.3	-0.17
Orthophosphate (as PO ₄)	mg/l	0.0589 ± 0.00231	0.06 ± 0.003	0.0053	102	0.17
pH-value	-	7.73 ± 0.027	7.58 ± 0.02	0.155	98	-3.17
Potassium	mg/l	2.4 ± 0.0526	2.45 ± 0.23	0.125	102	0.11
Sodium	mg/l	21.5 ± 0.289	21.9 ± 2	0.73	102	0.10
Sulfate (as SO ₄)	mg/l	94.2 ± 1.02	94.9 ± 4.1	3.11	101	0.08
Total-P (as PO ₄)	mg/l	1.16 ± 0.0213	- ± -	0.0869	-	-
Total hardness	mmol/l	5.41 ± 0.0392	5.48 ± 0.55	0.162	101	0.06
Total nitrogen	mg/l	2.59 ± 0.0647	- ± -	0.215	-	-

Sample: N155ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	2.07 ± 0.0588	- ± -	0.207	-	-

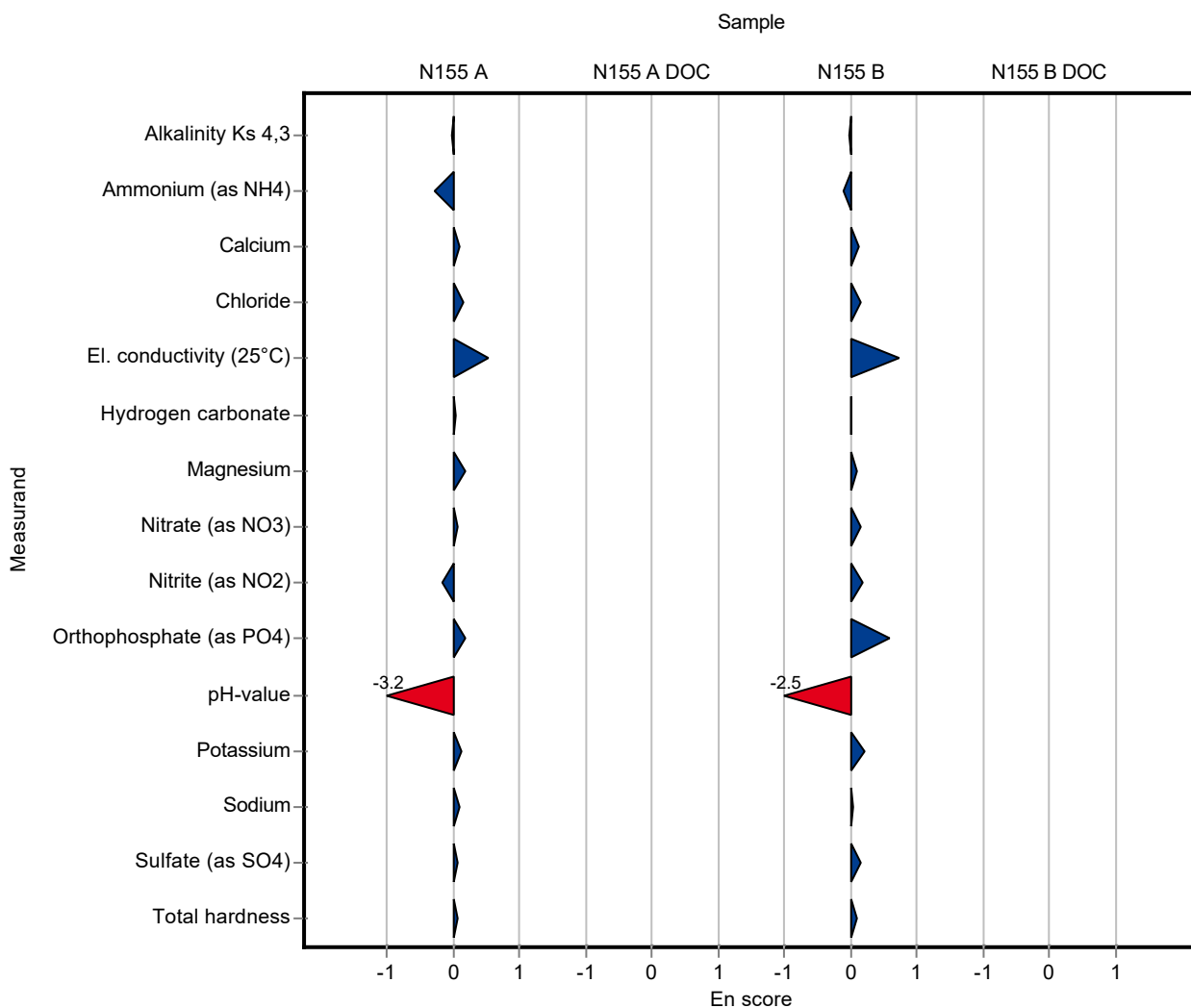
Sample: N155B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	3.11 ± 0.0171	3.1 ± 0.13	0.0622	99.7	-0.04
Ammonium (as NH ₄)	mg/l	0.359 ± 0.00779	0.355 ± 0.02	0.0431	98.8	-0.10
Boron	mg/l	0.0189 ± 0.000778	- ± -	0.00208	-	-
Calcium	mg/l	58.7 ± 0.681	60.1 ± 5.9	1.82	102	0.12

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Chloride	mg/l	44.2 ± 0.341	44.9 ± 2.2	1.77	102	0.16
El. conductivity (25°C)	µS/cm	517 ± 1.75	524 ± 4.72	6.72	101	0.72
Hydrogen carbonate	mg/l	189 ± 1.54	189 ± 7.76	3.78	100	0.00
Magnesium	mg/l	12.5 ± 0.185	12.8 ± 1.4	0.501	102	0.10
Nitrate (as NO ₃)	mg/l	20.1 ± 0.156	20.4 ± 0.9	1.01	101	0.16
Nitrite (as NO ₂)	mg/l	0.24 ± 0.00384	0.244 ± 0.012	0.0127	102	0.17
Orthophosphate (as PO ₄)	mg/l	0.235 ± 0.00356	0.25 ± 0.012	0.0212	106	0.60
pH-value	-	7.92 ± 0.0209	7.81 ± 0.02	0.158	98.6	-2.52
Potassium	mg/l	2.94 ± 0.0476	3.06 ± 0.28	0.153	104	0.21
Sodium	mg/l	25.6 ± 0.277	25.8 ± 2.3	0.87	101	0.05
Sulfate (as SO ₄)	mg/l	24.7 ± 0.31	25 ± 1.1	0.815	101	0.14
Total-P (as PO ₄)	mg/l	1.1 ± 0.0151	- ± -	0.0824	-	-
Total hardness	mmol/l	2 ± 0.0126	2.03 ± 0.2	0.0599	102	0.08
Total nitrogen	mg/l	5.05 ± 0.0813	- ± -	0.42	-	-

Sample: N155BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	4.27 ± 0.0971	- ± -	0.427	-	-



Sample: N155A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	7.28 ± 0.029	7.2 ± 0.104	0.146	98.9	-0.57
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00275	0.0805 ± 0.0017	0.0102	94.3	-0.47
Boron	mg/l	0.0534 ± 0.00214	0.0538 ± 0.002	0.00588	101	0.06
Calcium	mg/l	155 ± 2	160 ± 2.81	4.82	103	0.97
Chloride	mg/l	85.1 ± 0.62	89.4 ± 0.6	3.4	105	1.28
El. conductivity (25°C)	µS/cm	1080 ± 4.42	1061 ± 2.52	14	98.3	-1.29
Hydrogen carbonate	mg/l	442 ± 1.46	436 ± 0.577	8.84	98.6	-0.68
Magnesium	mg/l	36.2 ± 0.459	36.4 ± 0.595	1.45	101	0.15
Nitrate (as NO ₃)	mg/l	10.7 ± 0.126	11.2 ± 0.379	0.537	104	0.86
Nitrite (as NO ₂)	mg/l	0.102 ± 0.00202	0.107 ± 0.0021	0.00539	105	0.97
Orthophosphate (as PO ₄)	mg/l	0.0589 ± 0.00231	0.0656 ± 0.002	0.0053	111	1.27
pH-value	-	7.73 ± 0.027	7.93 ± 0.135	0.155	103	1.27
Potassium	mg/l	2.4 ± 0.0526	2.4 ± 0.058	0.125	100	0.02
Sodium	mg/l	21.5 ± 0.289	21 ± 0.324	0.73	97.8	-0.66
Sulfate (as SO ₄)	mg/l	94.2 ± 1.02	106 ± 0.577	3.11	112	3.78
Total-P (as PO ₄)	mg/l	1.16 ± 0.0213	1.05 ± 0.014	0.0869	90.7	-1.24
Total hardness	mmol/l	5.41 ± 0.0392	5.48 ± 0.047	0.162	101	0.43
Total nitrogen	mg/l	2.59 ± 0.0647	2.52 ± 0.015	0.215	97.5	-0.31

Sample: N155ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.07 ± 0.0588	2.35 ± 0.117	0.207	113	1.33

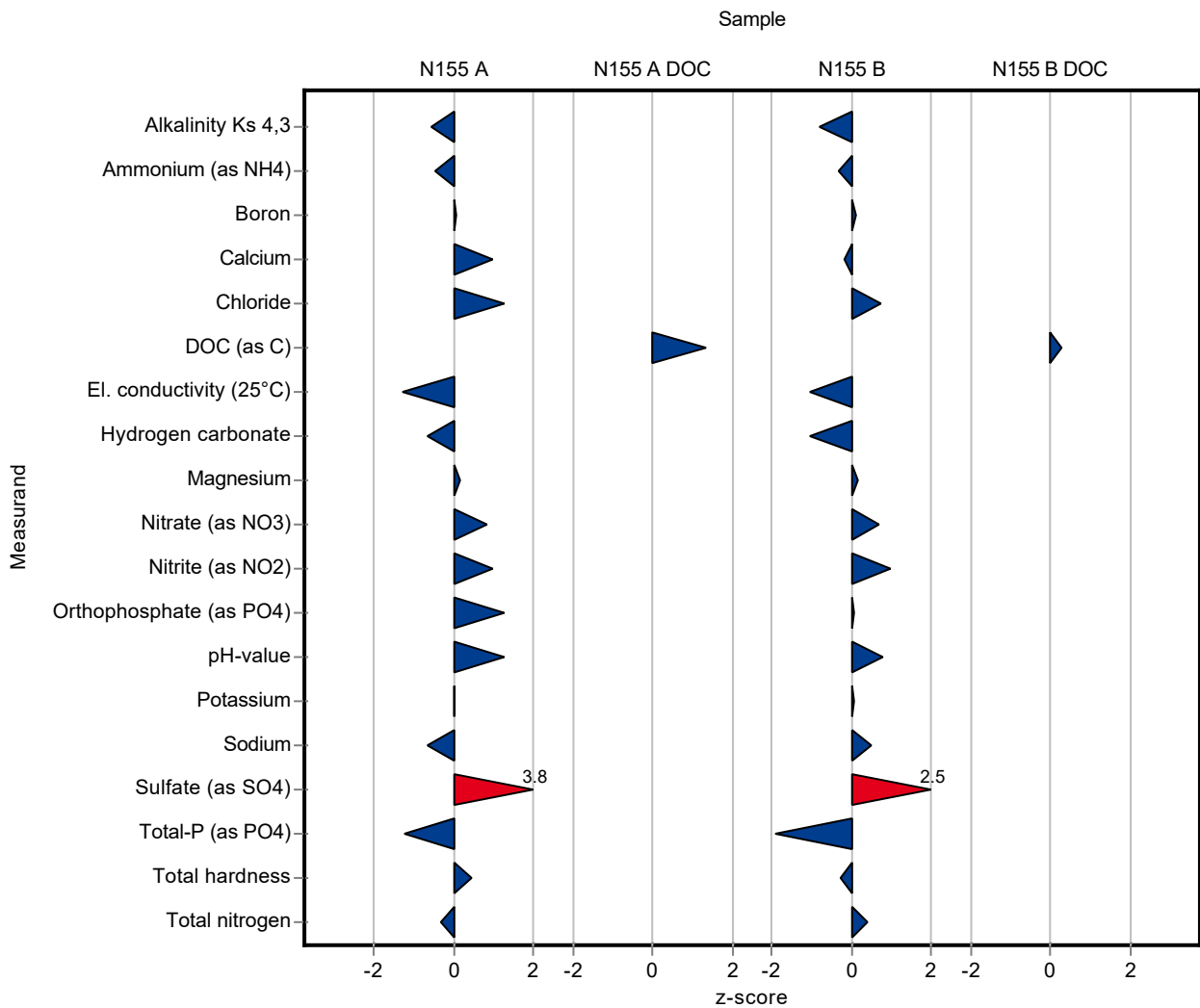
Sample: N155B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	3.11 ± 0.0171	3.06 ± 0.044	0.0622	98.4	-0.79
Ammonium (as NH ₄)	mg/l	0.359 ± 0.00779	0.346 ± 0.0025	0.0431	96.3	-0.31
Boron	mg/l	0.0189 ± 0.000778	0.0192 ± 0.0007	0.00208	101	0.12
Calcium	mg/l	58.7 ± 0.681	58.4 ± 1.78	1.82	99.4	-0.19

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Chloride	mg/l	44.2 ± 0.341	45.5 ± 0.173	1.77	103	0.74
El. conductivity (25°C)	µS/cm	517 ± 1.75	510 ± 3.06	6.72	98.6	-1.05
Hydrogen carbonate	mg/l	189 ± 1.54	185 ± 0.577	3.78	97.9	-1.07
Magnesium	mg/l	12.5 ± 0.185	12.6 ± 0.318	0.501	101	0.15
Nitrate (as NO ₃)	mg/l	20.1 ± 0.156	20.8 ± 0.1	1.01	103	0.68
Nitrite (as NO ₂)	mg/l	0.24 ± 0.00384	0.252 ± 0.005	0.0127	105	0.96
Orthophosphate (as PO ₄)	mg/l	0.235 ± 0.00356	0.237 ± 0.0032	0.0212	101	0.07
pH-value	-	7.92 ± 0.0209	8.05 ± 0.137	0.158	102	0.80
Potassium	mg/l	2.94 ± 0.0476	2.95 ± 0.071	0.153	100	0.06
Sodium	mg/l	25.6 ± 0.277	26 ± 0.625	0.87	102	0.49
Sulfate (as SO ₄)	mg/l	24.7 ± 0.31	26.7 ± 0.1	0.815	108	2.47
Total-P (as PO ₄)	mg/l	1.1 ± 0.0151	0.938 ± 0.025	0.0824	85.4	-1.94
Total hardness	mmol/l	2 ± 0.0126	1.98 ± 0.052	0.0599	99.2	-0.27
Total nitrogen	mg/l	5.05 ± 0.0813	5.22 ± 0.03	0.42	103	0.39

Sample: N155BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	4.27 ± 0.0971	4.38 ± 0.105	0.427	103	0.27



Sample: N155A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	7.28 ± 0.029	7.2 ± 0.104	0.146	98.9	-0.40
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00275	0.0805 ± 0.0017	0.0102	94.3	-1.11
Boron	mg/l	0.0534 ± 0.00214	0.0538 ± 0.002	0.00588	101	0.08
Calcium	mg/l	155 ± 2	160 ± 2.81	4.82	103	0.78
Chloride	mg/l	85.1 ± 0.62	89.4 ± 0.6	3.4	105	3.22
El. conductivity (25°C)	µS/cm	1080 ± 4.42	1061 ± 2.52	14	98.3	-2.69
Hydrogen carbonate	mg/l	442 ± 1.46	436 ± 0.577	8.84	98.6	-3.24
Magnesium	mg/l	36.2 ± 0.459	36.4 ± 0.595	1.45	101	0.17
Nitrate (as NO ₃)	mg/l	10.7 ± 0.126	11.2 ± 0.379	0.537	104	0.60
Nitrite (as NO ₂)	mg/l	0.102 ± 0.00202	0.107 ± 0.0021	0.00539	105	1.12
Orthophosphate (as PO ₄)	mg/l	0.0589 ± 0.00231	0.0656 ± 0.002	0.0053	111	1.45
pH-value	-	7.73 ± 0.027	7.93 ± 0.135	0.155	103	0.73
Potassium	mg/l	2.4 ± 0.0526	2.4 ± 0.058	0.125	100	0.02
Sodium	mg/l	21.5 ± 0.289	21 ± 0.324	0.73	97.8	-0.68
Sulfate (as SO ₄)	mg/l	94.2 ± 1.02	106 ± 0.577	3.11	112	7.63
Total-P (as PO ₄)	mg/l	1.16 ± 0.0213	1.05 ± 0.014	0.0869	90.7	-3.07
Total hardness	mmol/l	5.41 ± 0.0392	5.48 ± 0.047	0.162	101	0.68
Total nitrogen	mg/l	2.59 ± 0.0647	2.52 ± 0.015	0.215	97.5	-0.92

Sample: N155ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	2.07 ± 0.0588	2.35 ± 0.117	0.207	113	1.14

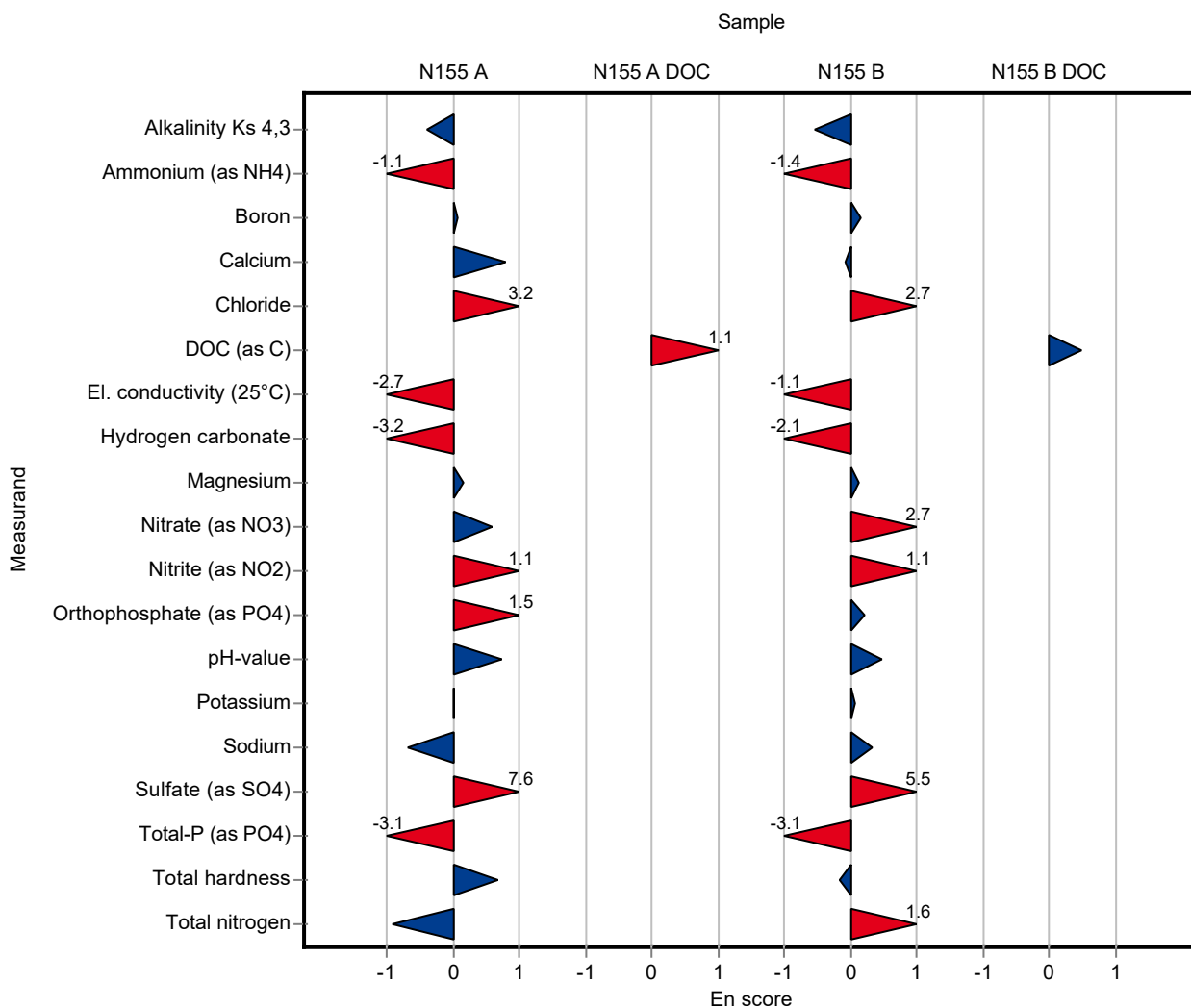
Sample: N155B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	3.11 ± 0.0171	3.06 ± 0.044	0.0622	98.4	-0.55
Ammonium (as NH ₄)	mg/l	0.359 ± 0.00779	0.346 ± 0.0025	0.0431	96.3	-1.42
Boron	mg/l	0.0189 ± 0.000778	0.0192 ± 0.0007	0.00208	101	0.16
Calcium	mg/l	58.7 ± 0.681	58.4 ± 1.78	1.82	99.4	-0.09

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Chloride	mg/l	44.2 ± 0.341	45.5 ± 0.173	1.77	103	2.71
El. conductivity (25°C)	µS/cm	517 ± 1.75	510 ± 3.06	6.72	98.6	-1.11
Hydrogen carbonate	mg/l	189 ± 1.54	185 ± 0.577	3.78	97.9	-2.10
Magnesium	mg/l	12.5 ± 0.185	12.6 ± 0.318	0.501	101	0.12
Nitrate (as NO ₃)	mg/l	20.1 ± 0.156	20.8 ± 0.1	1.01	103	2.70
Nitrite (as NO ₂)	mg/l	0.24 ± 0.00384	0.252 ± 0.005	0.0127	105	1.14
Orthophosphate (as PO ₄)	mg/l	0.235 ± 0.00356	0.237 ± 0.0032	0.0212	101	0.20
pH-value	-	7.92 ± 0.0209	8.05 ± 0.137	0.158	102	0.46
Potassium	mg/l	2.94 ± 0.0476	2.95 ± 0.071	0.153	100	0.06
Sodium	mg/l	25.6 ± 0.277	26 ± 0.625	0.87	102	0.33
Sulfate (as SO ₄)	mg/l	24.7 ± 0.31	26.7 ± 0.1	0.815	108	5.46
Total-P (as PO ₄)	mg/l	1.1 ± 0.0151	0.938 ± 0.025	0.0824	85.4	-3.06
Total hardness	mmol/l	2 ± 0.0126	1.98 ± 0.052	0.0599	99.2	-0.16
Total nitrogen	mg/l	5.05 ± 0.0813	5.22 ± 0.03	0.42	103	1.64

Sample: N155BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	4.27 ± 0.0971	4.38 ± 0.105	0.427	103	0.49



Sample: N155A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	7.28 ± 0.029	7.28 ± 0.027	0.146	100	-0.02
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00275	- ± -	0.0102	-	-
Boron	mg/l	0.0534 ± 0.00214	- ± -	0.00588	-	-
Calcium	mg/l	155 ± 2	- ± -	4.82	-	-
Chloride	mg/l	85.1 ± 0.62	- ± -	3.4	-	-
El. conductivity (25°C)	µS/cm	1080 ± 4.42	- ± -	14	-	-
Hydrogen carbonate	mg/l	442 ± 1.46	444.96 ± 1.57	8.84	101	0.33
Magnesium	mg/l	36.2 ± 0.459	- ± -	1.45	-	-
Nitrate (as NO ₃)	mg/l	10.7 ± 0.126	- ± -	0.537	-	-
Nitrite (as NO ₂)	mg/l	0.102 ± 0.00202	- ± -	0.00539	-	-
Orthophosphate (as PO ₄)	mg/l	0.0589 ± 0.00231	- ± -	0.0053	-	-
pH-value	-	7.73 ± 0.027	- ± -	0.155	-	-
Potassium	mg/l	2.4 ± 0.0526	- ± -	0.125	-	-
Sodium	mg/l	21.5 ± 0.289	- ± -	0.73	-	-
Sulfate (as SO ₄)	mg/l	94.2 ± 1.02	- ± -	3.11	-	-
Total-P (as PO ₄)	mg/l	1.16 ± 0.0213	- ± -	0.0869	-	-
Total hardness	mmol/l	5.41 ± 0.0392	5.34 ± 0.009	0.162	98.7	-0.43
Total nitrogen	mg/l	2.59 ± 0.0647	- ± -	0.215	-	-

Sample: N155ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.07 ± 0.0588	- ± -	0.207	-	-

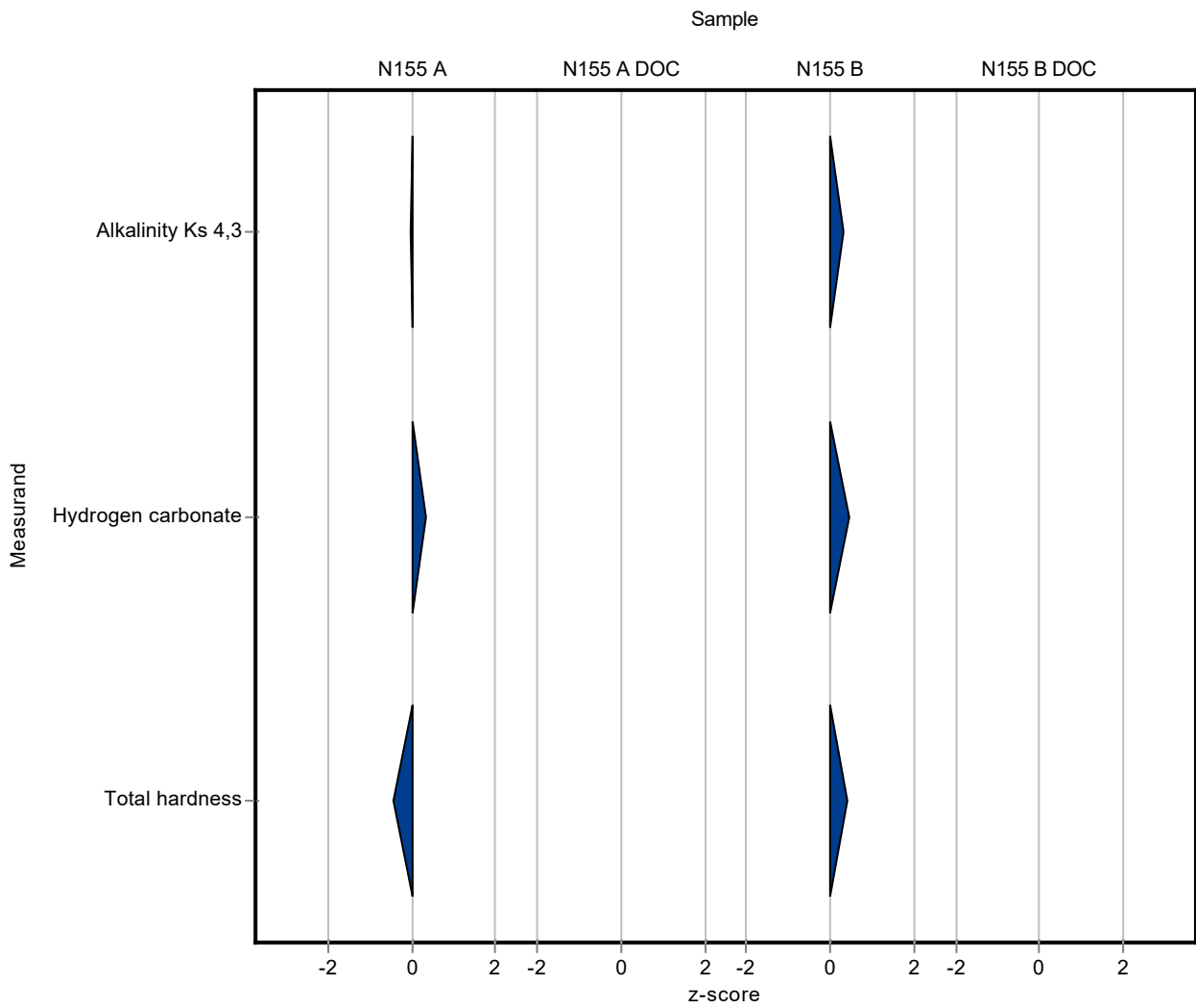
Sample: N155B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	3.11 ± 0.0171	3.13 ± 0.027	0.0622	101	0.33
Ammonium (as NH ₄)	mg/l	0.359 ± 0.00779	- ± -	0.0431	-	-
Boron	mg/l	0.0189 ± 0.000778	- ± -	0.00208	-	-
Calcium	mg/l	58.7 ± 0.681	- ± -	1.82	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Chloride	mg/l	44.2 ± 0.341	- ± -	1.77	-	-
El. conductivity (25°C)	µS/cm	517 ± 1.75	- ± -	6.72	-	-
Hydrogen carbonate	mg/l	189 ± 1.54	190.81 ± 1.52	3.78	101	0.47
Magnesium	mg/l	12.5 ± 0.185	- ± -	0.501	-	-
Nitrate (as NO ₃)	mg/l	20.1 ± 0.156	- ± -	1.01	-	-
Nitrite (as NO ₂)	mg/l	0.24 ± 0.00384	- ± -	0.0127	-	-
Orthophosphate (as PO ₄)	mg/l	0.235 ± 0.00356	- ± -	0.0212	-	-
pH-value	-	7.92 ± 0.0209	- ± -	0.158	-	-
Potassium	mg/l	2.94 ± 0.0476	- ± -	0.153	-	-
Sodium	mg/l	25.6 ± 0.277	- ± -	0.87	-	-
Sulfate (as SO ₄)	mg/l	24.7 ± 0.31	- ± -	0.815	-	-
Total-P (as PO ₄)	mg/l	1.1 ± 0.0151	- ± -	0.0824	-	-
Total hardness	mmol/l	2 ± 0.0126	2.02 ± 0.048	0.0599	101	0.40
Total nitrogen	mg/l	5.05 ± 0.0813	- ± -	0.42	-	-

Sample: N155BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	4.27 ± 0.0971	- ± -	0.427	-	-



Sample: N155A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	7.28 ± 0.029	7.28 ± 0.027	0.146	100	-0.05
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00275	- ± -	0.0102	-	-
Boron	mg/l	0.0534 ± 0.00214	- ± -	0.00588	-	-
Calcium	mg/l	155 ± 2	- ± -	4.82	-	-
Chloride	mg/l	85.1 ± 0.62	- ± -	3.4	-	-
El. conductivity (25°C)	µS/cm	1080 ± 4.42	- ± -	14	-	-
Hydrogen carbonate	mg/l	442 ± 1.46	444.96 ± 1.57	8.84	101	0.85
Magnesium	mg/l	36.2 ± 0.459	- ± -	1.45	-	-
Nitrate (as NO ₃)	mg/l	10.7 ± 0.126	- ± -	0.537	-	-
Nitrite (as NO ₂)	mg/l	0.102 ± 0.00202	- ± -	0.00539	-	-
Orthophosphate (as PO ₄)	mg/l	0.0589 ± 0.00231	- ± -	0.0053	-	-
pH-value	-	7.73 ± 0.027	- ± -	0.155	-	-
Potassium	mg/l	2.4 ± 0.0526	- ± -	0.125	-	-
Sodium	mg/l	21.5 ± 0.289	- ± -	0.73	-	-
Sulfate (as SO ₄)	mg/l	94.2 ± 1.02	- ± -	3.11	-	-
Total-P (as PO ₄)	mg/l	1.16 ± 0.0213	- ± -	0.0869	-	-
Total hardness	mmol/l	5.41 ± 0.0392	5.34 ± 0.009	0.162	98.7	-1.64
Total nitrogen	mg/l	2.59 ± 0.0647	- ± -	0.215	-	-

Sample: N155ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	2.07 ± 0.0588	- ± -	0.207	-	-

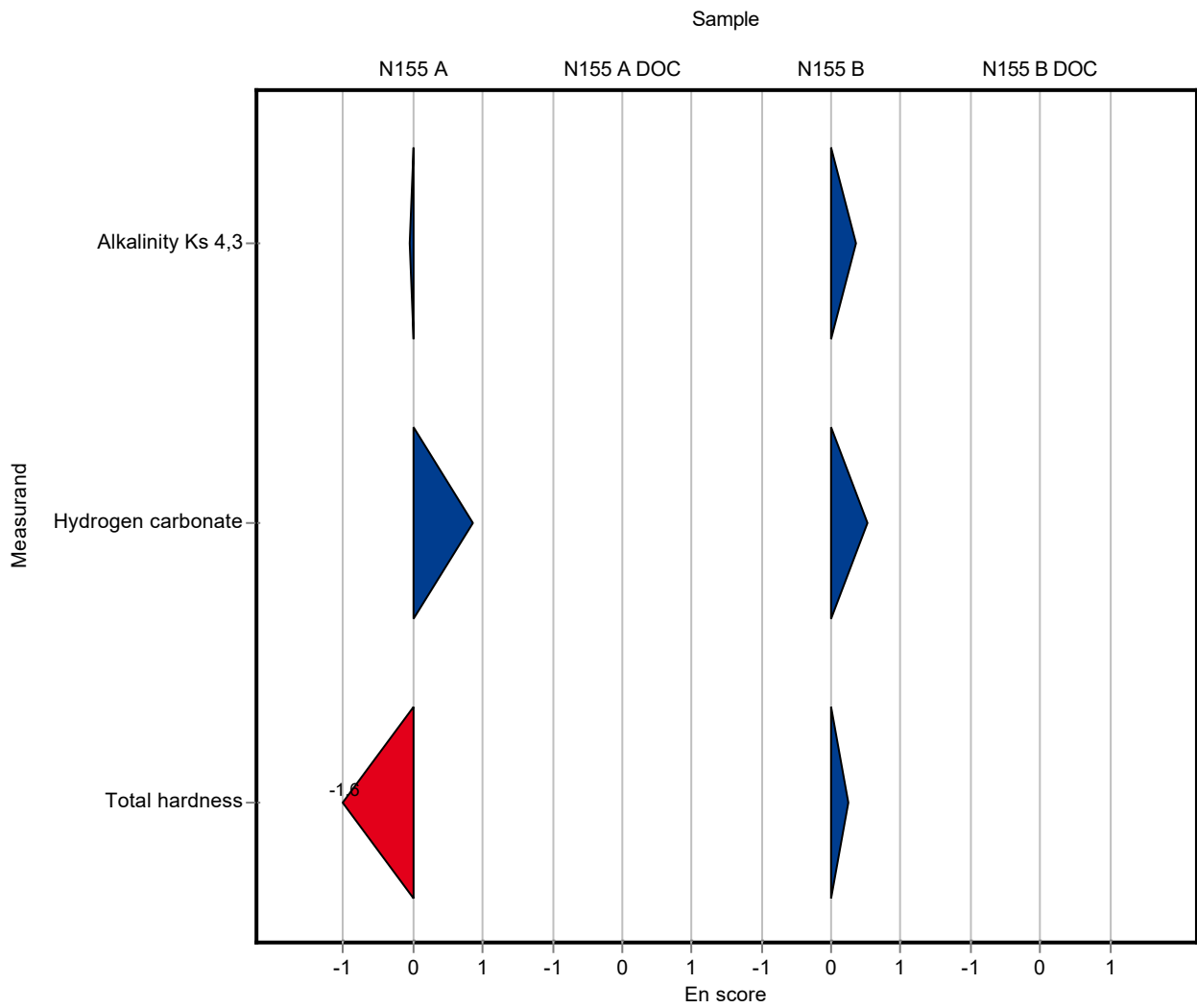
Sample: N155B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	3.11 ± 0.0171	3.13 ± 0.027	0.0622	101	0.36
Ammonium (as NH ₄)	mg/l	0.359 ± 0.00779	- ± -	0.0431	-	-
Boron	mg/l	0.0189 ± 0.000778	- ± -	0.00208	-	-
Calcium	mg/l	58.7 ± 0.681	- ± -	1.82	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Chloride	mg/l	44.2 ± 0.341	- ± -	1.77	-	-
El. conductivity (25°C)	µS/cm	517 ± 1.75	- ± -	6.72	-	-
Hydrogen carbonate	mg/l	189 ± 1.54	190.81 ± 1.52	3.78	101	0.52
Magnesium	mg/l	12.5 ± 0.185	- ± -	0.501	-	-
Nitrate (as NO ₃)	mg/l	20.1 ± 0.156	- ± -	1.01	-	-
Nitrite (as NO ₂)	mg/l	0.24 ± 0.00384	- ± -	0.0127	-	-
Orthophosphate (as PO ₄)	mg/l	0.235 ± 0.00356	- ± -	0.0212	-	-
pH-value	-	7.92 ± 0.0209	- ± -	0.158	-	-
Potassium	mg/l	2.94 ± 0.0476	- ± -	0.153	-	-
Sodium	mg/l	25.6 ± 0.277	- ± -	0.87	-	-
Sulfate (as SO ₄)	mg/l	24.7 ± 0.31	- ± -	0.815	-	-
Total-P (as PO ₄)	mg/l	1.1 ± 0.0151	- ± -	0.0824	-	-
Total hardness	mmol/l	2 ± 0.0126	2.02 ± 0.048	0.0599	101	0.24
Total nitrogen	mg/l	5.05 ± 0.0813	- ± -	0.42	-	-

Sample: N155BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	4.27 ± 0.0971	- ± -	0.427	-	-



Sample: N155A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	7.28 ± 0.029	7.3 ± 0.35	0.146	100	0.12
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00275	0.0811 ± 0.0057	0.0102	95	-0.41
Boron	mg/l	0.0534 ± 0.00214	0.0563 ± 0.007	0.00588	105	0.49
Calcium	mg/l	155 ± 2	145 ± 6.6	4.82	93.4	-2.15
Chloride	mg/l	85.1 ± 0.62	87.7 ± 5.9	3.4	103	0.78
El. conductivity (25°C)	µS/cm	1080 ± 4.42	1070 ± 32	14	99.2	-0.65
Hydrogen carbonate	mg/l	442 ± 1.46	445 ± 21	8.84	101	0.34
Magnesium	mg/l	36.2 ± 0.459	34.1 ± 2.8	1.45	94.2	-1.44
Nitrate (as NO ₃)	mg/l	10.7 ± 0.126	11 ± 0.26	0.537	102	0.48
Nitrite (as NO ₂)	mg/l	0.102 ± 0.00202	0.0965 ± 0.0097	0.00539	94.8	-0.98
Orthophosphate (as PO ₄)	mg/l	0.0589 ± 0.00231	0.0606 ± 0.0042	0.0053	103	0.33
pH-value	-	7.73 ± 0.027	7.78 ± 0.23	0.155	101	0.30
Potassium	mg/l	2.4 ± 0.0526	2.67 ± 0.19	0.125	111	2.19
Sodium	mg/l	21.5 ± 0.289	21.1 ± 1.5	0.73	98.2	-0.52
Sulfate (as SO ₄)	mg/l	94.2 ± 1.02	97.3 ± 3.2	3.11	103	0.98
Total-P (as PO ₄)	mg/l	1.16 ± 0.0213	1.17 ± 0.067	0.0869	101	0.14
Total hardness	mmol/l	5.41 ± 0.0392	5.02 ± 0.41	0.162	92.8	-2.41
Total nitrogen	mg/l	2.59 ± 0.0647	2.67 ± 0.43	0.215	103	0.39

Sample: N155ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.07 ± 0.0588	1.85 ± 0.3	0.207	89.2	-1.08

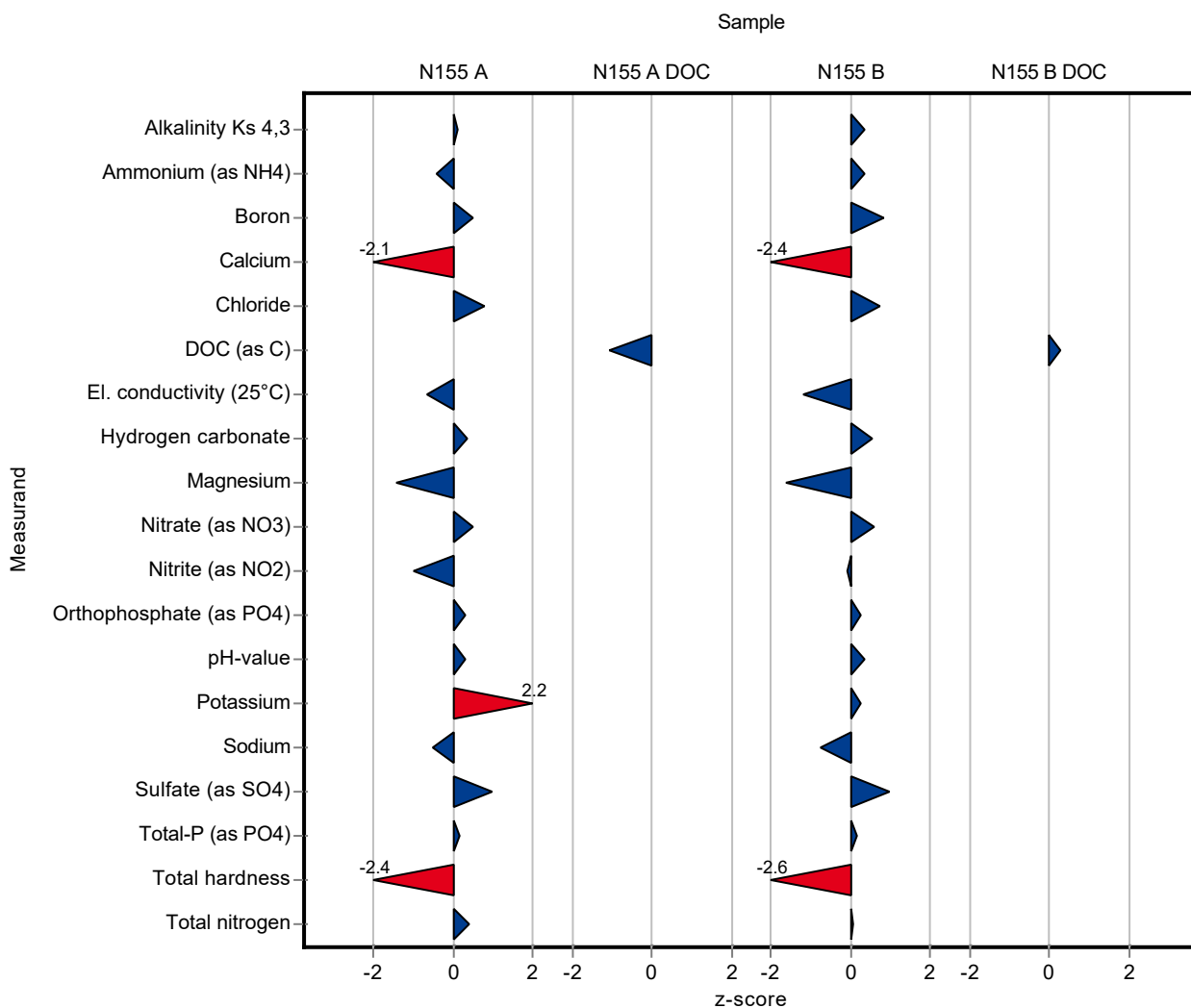
Sample: N155B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	3.11 ± 0.0171	3.13 ± 0.15	0.0622	101	0.33
Ammonium (as NH ₄)	mg/l	0.359 ± 0.00779	0.375 ± 0.026	0.0431	104	0.37
Boron	mg/l	0.0189 ± 0.000778	0.0207 ± 0.0026	0.00208	109	0.84
Calcium	mg/l	58.7 ± 0.681	54.3 ± 2.5	1.82	92.4	-2.44

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Chloride	mg/l	44.2 ± 0.341	45.5 ± 3.1	1.77	103	0.74
El. conductivity (25°C)	µS/cm	517 ± 1.75	509 ± 15	6.72	98.4	-1.20
Hydrogen carbonate	mg/l	189 ± 1.54	191 ± 9.2	3.78	101	0.52
Magnesium	mg/l	12.5 ± 0.185	11.7 ± 0.97	0.501	93.4	-1.64
Nitrate (as NO ₃)	mg/l	20.1 ± 0.156	20.7 ± 0.48	1.01	103	0.58
Nitrite (as NO ₂)	mg/l	0.24 ± 0.00384	0.239 ± 0.024	0.0127	99.7	-0.06
Orthophosphate (as PO ₄)	mg/l	0.235 ± 0.00356	0.241 ± 0.017	0.0212	102	0.26
pH-value	-	7.92 ± 0.0209	7.98 ± 0.24	0.158	101	0.35
Potassium	mg/l	2.94 ± 0.0476	2.98 ± 0.21	0.153	101	0.26
Sodium	mg/l	25.6 ± 0.277	24.9 ± 1.8	0.87	97.4	-0.78
Sulfate (as SO ₄)	mg/l	24.7 ± 0.31	25.5 ± 0.84	0.815	103	1.00
Total-P (as PO ₄)	mg/l	1.1 ± 0.0151	1.11 ± 0.063	0.0824	101	0.14
Total hardness	mmol/l	2 ± 0.0126	1.84 ± 0.15	0.0599	92.2	-2.61
Total nitrogen	mg/l	5.05 ± 0.0813	5.07 ± 0.83	0.42	100	0.04

Sample: N155BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	4.27 ± 0.0971	4.39 ± 0.7	0.427	103	0.29



Sample: N155A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	7.28 ± 0.029	7.3 ± 0.35	0.146	100	0.02
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00275	0.0811 ± 0.0057	0.0102	95	-0.36
Boron	mg/l	0.0534 ± 0.00214	0.0563 ± 0.007	0.00588	105	0.20
Calcium	mg/l	155 ± 2	145 ± 6.6	4.82	93.4	-0.77
Chloride	mg/l	85.1 ± 0.62	87.7 ± 5.9	3.4	103	0.22
El. conductivity (25°C)	µS/cm	1080 ± 4.42	1070 ± 32	14	99.2	-0.14
Hydrogen carbonate	mg/l	442 ± 1.46	445 ± 21	8.84	101	0.07
Magnesium	mg/l	36.2 ± 0.459	34.1 ± 2.8	1.45	94.2	-0.37
Nitrate (as NO ₃)	mg/l	10.7 ± 0.126	11 ± 0.26	0.537	102	0.49
Nitrite (as NO ₂)	mg/l	0.102 ± 0.00202	0.0965 ± 0.0097	0.00539	94.8	-0.27
Orthophosphate (as PO ₄)	mg/l	0.0589 ± 0.00231	0.0606 ± 0.0042	0.0053	103	0.20
pH-value	-	7.73 ± 0.027	7.78 ± 0.23	0.155	101	0.10
Potassium	mg/l	2.4 ± 0.0526	2.67 ± 0.19	0.125	111	0.71
Sodium	mg/l	21.5 ± 0.289	21.1 ± 1.5	0.73	98.2	-0.13
Sulfate (as SO ₄)	mg/l	94.2 ± 1.02	97.3 ± 3.2	3.11	103	0.47
Total-P (as PO ₄)	mg/l	1.16 ± 0.0213	1.17 ± 0.067	0.0869	101	0.09
Total hardness	mmol/l	5.41 ± 0.0392	5.02 ± 0.41	0.162	92.8	-0.48
Total nitrogen	mg/l	2.59 ± 0.0647	2.67 ± 0.43	0.215	103	0.10

Sample: N155ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	2.07 ± 0.0588	1.85 ± 0.3	0.207	89.2	-0.37

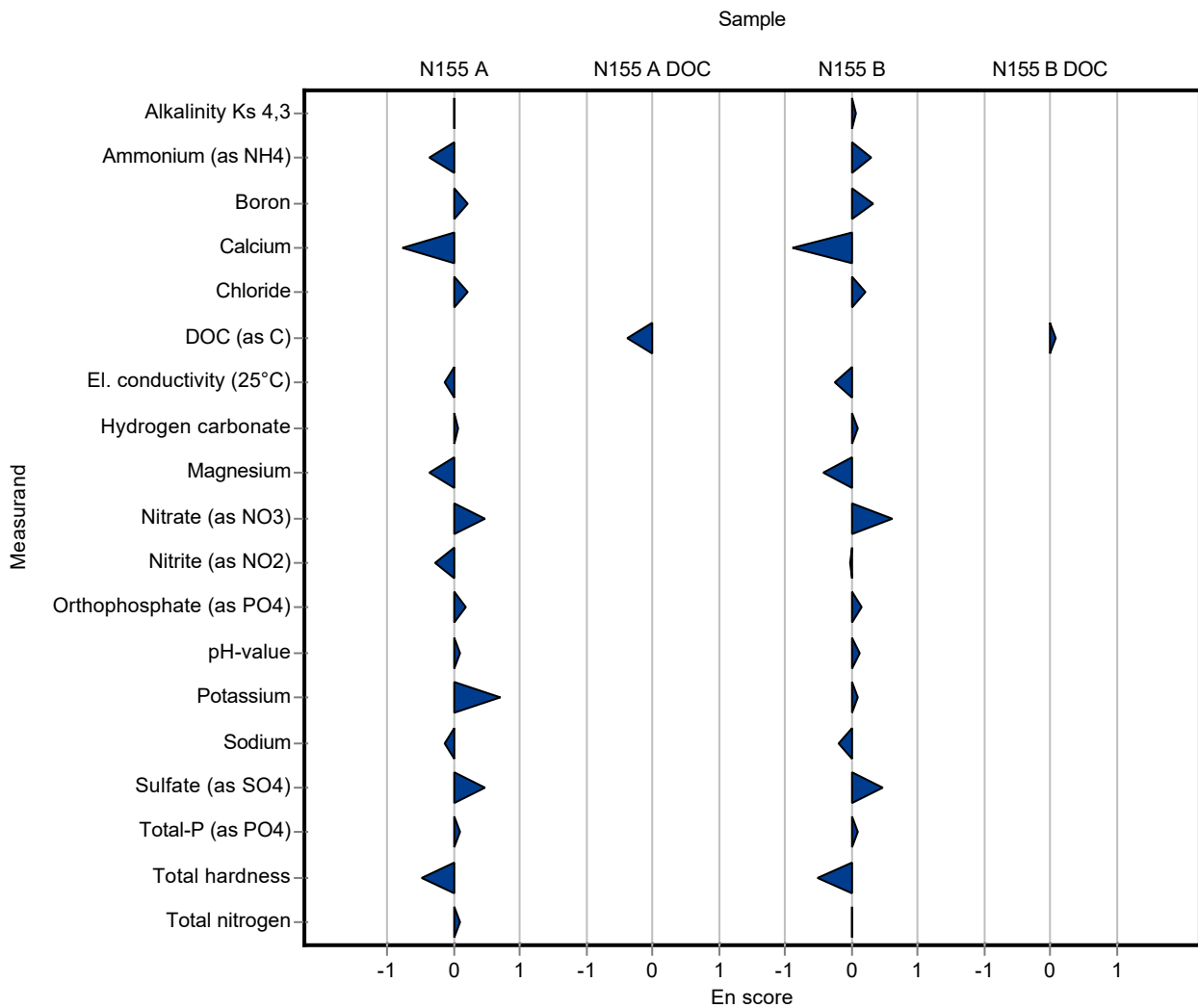
Sample: N155B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	3.11 ± 0.0171	3.13 ± 0.15	0.0622	101	0.07
Ammonium (as NH ₄)	mg/l	0.359 ± 0.00779	0.375 ± 0.026	0.0431	104	0.30
Boron	mg/l	0.0189 ± 0.000778	0.0207 ± 0.0026	0.00208	109	0.33
Calcium	mg/l	58.7 ± 0.681	54.3 ± 2.5	1.82	92.4	-0.88

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Chloride	mg/l	44.2 ± 0.341	45.5 ± 3.1	1.77	103	0.21
El. conductivity (25°C)	µS/cm	517 ± 1.75	509 ± 15	6.72	98.4	-0.27
Hydrogen carbonate	mg/l	189 ± 1.54	191 ± 9.2	3.78	101	0.11
Magnesium	mg/l	12.5 ± 0.185	11.7 ± 0.97	0.501	93.4	-0.42
Nitrate (as NO ₃)	mg/l	20.1 ± 0.156	20.7 ± 0.48	1.01	103	0.60
Nitrite (as NO ₂)	mg/l	0.24 ± 0.00384	0.239 ± 0.024	0.0127	99.7	-0.02
Orthophosphate (as PO ₄)	mg/l	0.235 ± 0.00356	0.241 ± 0.017	0.0212	102	0.16
pH-value	-	7.92 ± 0.0209	7.98 ± 0.24	0.158	101	0.12
Potassium	mg/l	2.94 ± 0.0476	2.98 ± 0.21	0.153	101	0.09
Sodium	mg/l	25.6 ± 0.277	24.9 ± 1.8	0.87	97.4	-0.19
Sulfate (as SO ₄)	mg/l	24.7 ± 0.31	25.5 ± 0.84	0.815	103	0.48
Total-P (as PO ₄)	mg/l	1.1 ± 0.0151	1.11 ± 0.063	0.0824	101	0.09
Total hardness	mmol/l	2 ± 0.0126	1.84 ± 0.15	0.0599	92.2	-0.52
Total nitrogen	mg/l	5.05 ± 0.0813	5.07 ± 0.83	0.42	100	0.01

Sample: N155BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	4.27 ± 0.0971	4.39 ± 0.7	0.427	103	0.09



Sample: N155A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	7.28 ± 0.029	- ± -	0.146	-	-
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00275	0.092 ± 0.021	0.0102	108	0.65
Boron	mg/l	0.0534 ± 0.00214	- ± -	0.00588	-	-
Calcium	mg/l	155 ± 2	- ± -	4.82	-	-
Chloride	mg/l	85.1 ± 0.62	85.531 ± 11.187	3.4	101	0.14
El. conductivity (25°C)	µS/cm	1080 ± 4.42	1079 ± 54	14	100	0.00
Hydrogen carbonate	mg/l	442 ± 1.46	- ± -	8.84	-	-
Magnesium	mg/l	36.2 ± 0.459	- ± -	1.45	-	-
Nitrate (as NO ₃)	mg/l	10.7 ± 0.126	11.101 ± 0.492	0.537	103	0.67
Nitrite (as NO ₂)	mg/l	0.102 ± 0.00202	0.107 ± 0.03	0.00539	105	0.97
Orthophosphate (as PO ₄)	mg/l	0.0589 ± 0.00231	0.056 ± 0.01	0.0053	95.1	-0.54
pH-value	-	7.73 ± 0.027	7.73 ± 0.77	0.155	100	-0.02
Potassium	mg/l	2.4 ± 0.0526	- ± -	0.125	-	-
Sodium	mg/l	21.5 ± 0.289	- ± -	0.73	-	-
Sulfate (as SO ₄)	mg/l	94.2 ± 1.02	92.114 ± 5.61	3.11	97.7	-0.69
Total-P (as PO ₄)	mg/l	1.16 ± 0.0213	1.138 ± 0.137	0.0869	98.3	-0.23
Total hardness	mmol/l	5.41 ± 0.0392	- ± -	0.162	-	-
Total nitrogen	mg/l	2.59 ± 0.0647	2.508 ± 0.358	0.215	97	-0.36

Sample: N155ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.07 ± 0.0588	2.017 ± 0.363	0.207	97.2	-0.28

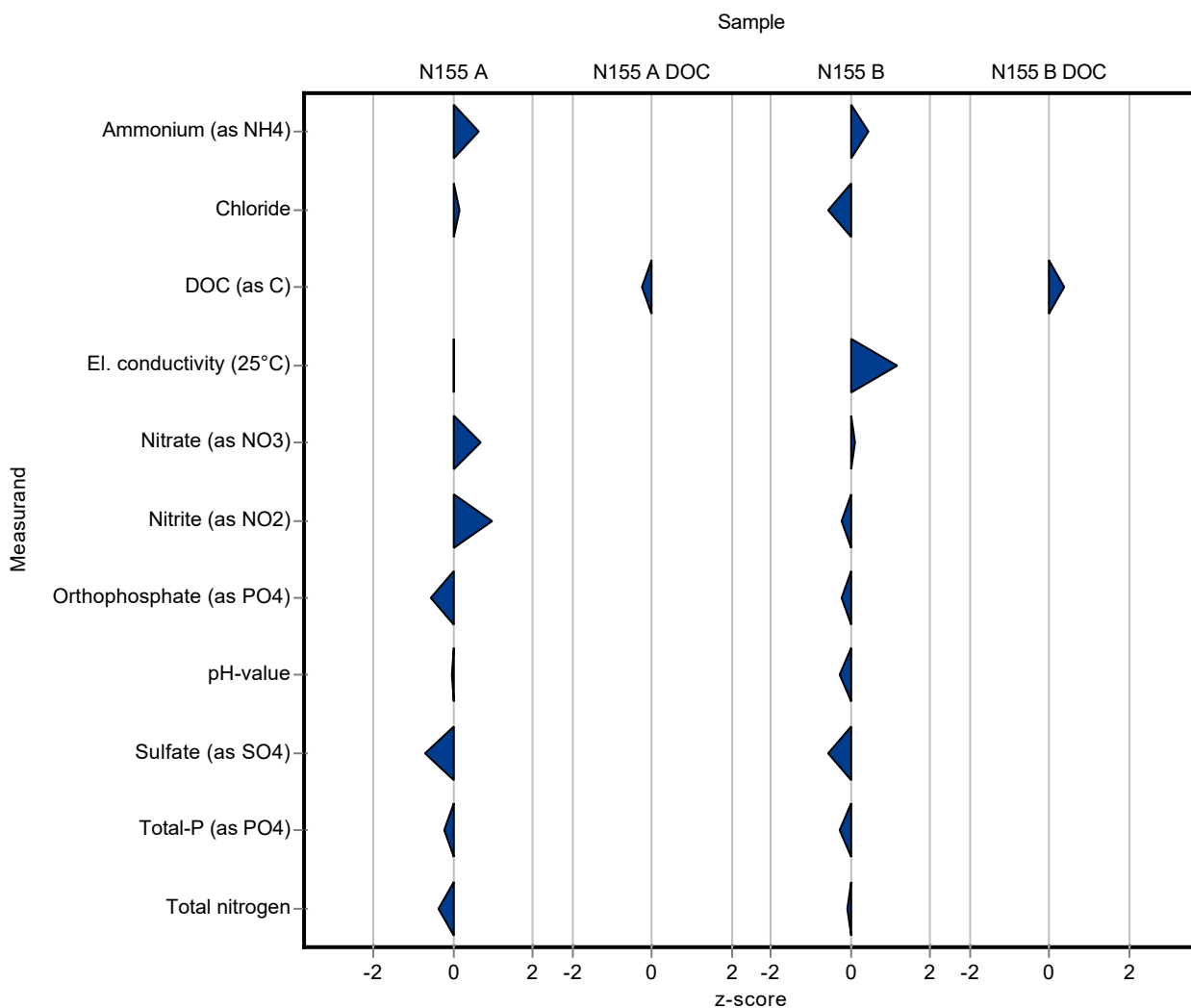
Sample: N155B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	3.11 ± 0.0171	- ± -	0.0622	-	-
Ammonium (as NH ₄)	mg/l	0.359 ± 0.00779	0.378 ± 0.087	0.0431	105	0.44
Boron	mg/l	0.0189 ± 0.000778	- ± -	0.00208	-	-
Calcium	mg/l	58.7 ± 0.681	- ± -	1.82	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Chloride	mg/l	44.2 ± 0.341	43.187 ± 5.649	1.77	97.7	-0.56
El. conductivity (25°C)	µS/cm	517 ± 1.75	525 ± 26	6.72	102	1.18
Hydrogen carbonate	mg/l	189 ± 1.54	- ± -	3.78	-	-
Magnesium	mg/l	12.5 ± 0.185	- ± -	0.501	-	-
Nitrate (as NO ₃)	mg/l	20.1 ± 0.156	20.236 ± 0.896	1.01	101	0.12
Nitrite (as NO ₂)	mg/l	0.24 ± 0.00384	0.237 ± 0.066	0.0127	98.8	-0.22
Orthophosphate (as PO ₄)	mg/l	0.235 ± 0.00356	0.231 ± 0.039	0.0212	98.1	-0.21
pH-value	-	7.92 ± 0.0209	7.88 ± 0.79	0.158	99.4	-0.28
Potassium	mg/l	2.94 ± 0.0476	- ± -	0.153	-	-
Sodium	mg/l	25.6 ± 0.277	- ± -	0.87	-	-
Sulfate (as SO ₄)	mg/l	24.7 ± 0.31	24.234 ± 1.476	0.815	98.2	-0.55
Total-P (as PO ₄)	mg/l	1.1 ± 0.0151	1.074 ± 0.129	0.0824	97.8	-0.29
Total hardness	mmol/l	2 ± 0.0126	- ± -	0.0599	-	-
Total nitrogen	mg/l	5.05 ± 0.0813	5.009 ± 0.715	0.42	99.1	-0.11

Sample: N155BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	4.27 ± 0.0971	4.429 ± 0.797	0.427	104	0.38



Sample: N155A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	7.28 ± 0.029	- ± -	0.146	-	-
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00275	0.092 ± 0.021	0.0102	108	0.16
Boron	mg/l	0.0534 ± 0.00214	- ± -	0.00588	-	-
Calcium	mg/l	155 ± 2	- ± -	4.82	-	-
Chloride	mg/l	85.1 ± 0.62	85.531 ± 11.187	3.4	101	0.02
El. conductivity (25°C)	µS/cm	1080 ± 4.42	1079 ± 54	14	100	0.00
Hydrogen carbonate	mg/l	442 ± 1.46	- ± -	8.84	-	-
Magnesium	mg/l	36.2 ± 0.459	- ± -	1.45	-	-
Nitrate (as NO ₃)	mg/l	10.7 ± 0.126	11.101 ± 0.492	0.537	103	0.36
Nitrite (as NO ₂)	mg/l	0.102 ± 0.00202	0.107 ± 0.03	0.00539	105	0.09
Orthophosphate (as PO ₄)	mg/l	0.0589 ± 0.00231	0.056 ± 0.01	0.0053	95.1	-0.14
pH-value	-	7.73 ± 0.027	7.73 ± 0.77	0.155	100	0.00
Potassium	mg/l	2.4 ± 0.0526	- ± -	0.125	-	-
Sodium	mg/l	21.5 ± 0.289	- ± -	0.73	-	-
Sulfate (as SO ₄)	mg/l	94.2 ± 1.02	92.114 ± 5.61	3.11	97.7	-0.19
Total-P (as PO ₄)	mg/l	1.16 ± 0.0213	1.138 ± 0.137	0.0869	98.3	-0.07
Total hardness	mmol/l	5.41 ± 0.0392	- ± -	0.162	-	-
Total nitrogen	mg/l	2.59 ± 0.0647	2.508 ± 0.358	0.215	97	-0.11

Sample: N155ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	2.07 ± 0.0588	2.017 ± 0.363	0.207	97.2	-0.08

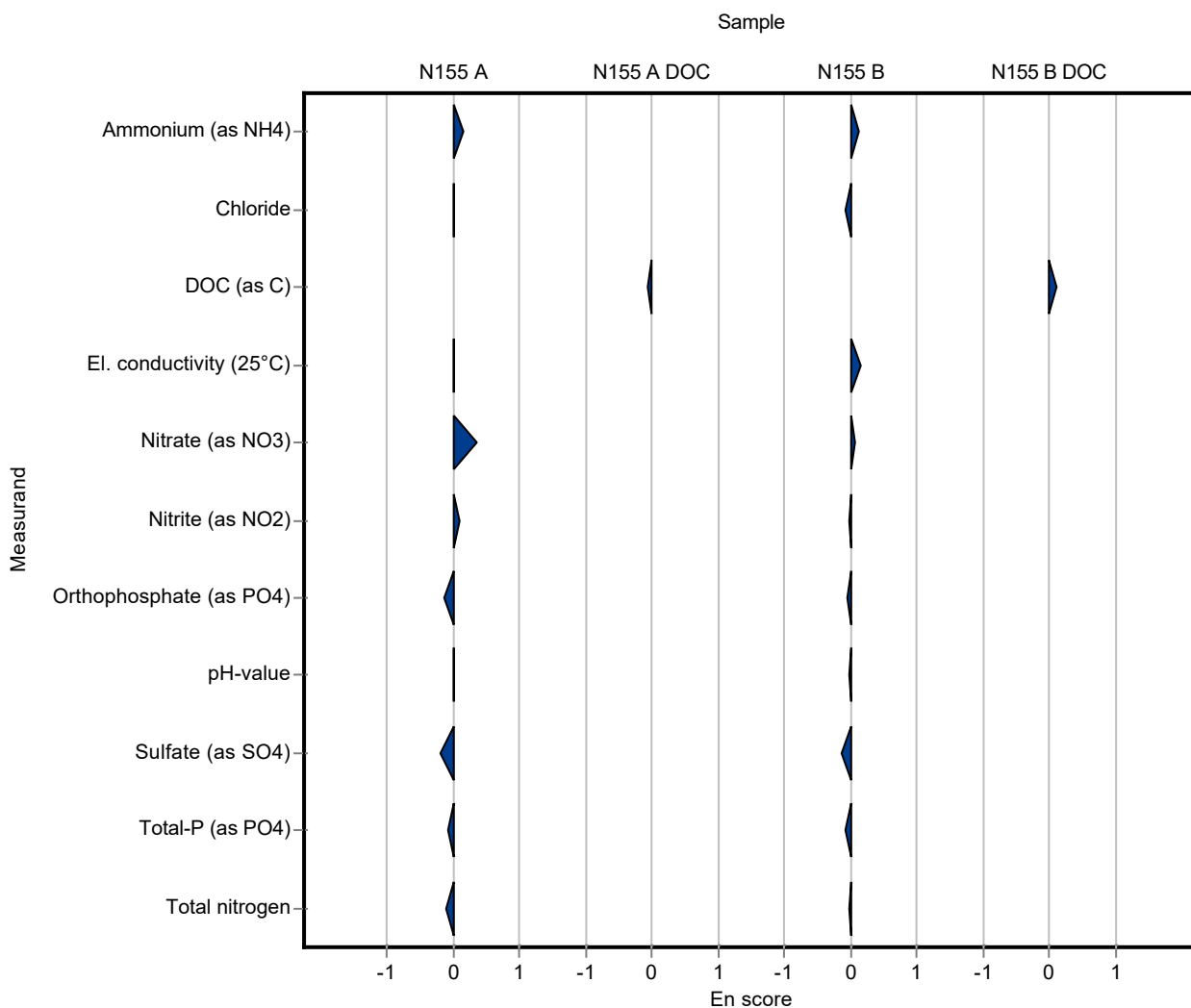
Sample: N155B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	3.11 ± 0.0171	- ± -	0.0622	-	-
Ammonium (as NH ₄)	mg/l	0.359 ± 0.00779	0.378 ± 0.087	0.0431	105	0.11
Boron	mg/l	0.0189 ± 0.000778	- ± -	0.00208	-	-
Calcium	mg/l	58.7 ± 0.681	- ± -	1.82	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Chloride	mg/l	44.2 ± 0.341	43.187 ± 5.649	1.77	97.7	-0.09
El. conductivity (25°C)	µS/cm	517 ± 1.75	525 ± 26	6.72	102	0.15
Hydrogen carbonate	mg/l	189 ± 1.54	- ± -	3.78	-	-
Magnesium	mg/l	12.5 ± 0.185	- ± -	0.501	-	-
Nitrate (as NO ₃)	mg/l	20.1 ± 0.156	20.236 ± 0.896	1.01	101	0.07
Nitrite (as NO ₂)	mg/l	0.24 ± 0.00384	0.237 ± 0.066	0.0127	98.8	-0.02
Orthophosphate (as PO ₄)	mg/l	0.235 ± 0.00356	0.231 ± 0.039	0.0212	98.1	-0.06
pH-value	-	7.92 ± 0.0209	7.88 ± 0.79	0.158	99.4	-0.03
Potassium	mg/l	2.94 ± 0.0476	- ± -	0.153	-	-
Sodium	mg/l	25.6 ± 0.277	- ± -	0.87	-	-
Sulfate (as SO ₄)	mg/l	24.7 ± 0.31	24.234 ± 1.476	0.815	98.2	-0.15
Total-P (as PO ₄)	mg/l	1.1 ± 0.0151	1.074 ± 0.129	0.0824	97.8	-0.09
Total hardness	mmol/l	2 ± 0.0126	- ± -	0.0599	-	-
Total nitrogen	mg/l	5.05 ± 0.0813	5.009 ± 0.715	0.42	99.1	-0.03

Sample: N155BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	4.27 ± 0.0971	4.429 ± 0.797	0.427	104	0.10



Sample: N155A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	7.28 ± 0.029	- ± -	0.146	-	-
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00275	- ± -	0.0102	-	-
Boron	mg/l	0.0534 ± 0.00214	- ± -	0.00588	-	-
Calcium	mg/l	155 ± 2	- ± -	4.82	-	-
Chloride	mg/l	85.1 ± 0.62	- ± -	3.4	-	-
El. conductivity (25°C)	µS/cm	1080 ± 4.42	- ± -	14	-	-
Hydrogen carbonate	mg/l	442 ± 1.46	- ± -	8.84	-	-
Magnesium	mg/l	36.2 ± 0.459	- ± -	1.45	-	-
Nitrate (as NO ₃)	mg/l	10.7 ± 0.126	- ± -	0.537	-	-
Nitrite (as NO ₂)	mg/l	0.102 ± 0.00202	- ± -	0.00539	-	-
Orthophosphate (as PO ₄)	mg/l	0.0589 ± 0.00231	- ± -	0.0053	-	-
pH-value	-	7.73 ± 0.027	7.71 ± 0.39	0.155	99.7	-0.15
Potassium	mg/l	2.4 ± 0.0526	- ± -	0.125	-	-
Sodium	mg/l	21.5 ± 0.289	- ± -	0.73	-	-
Sulfate (as SO ₄)	mg/l	94.2 ± 1.02	- ± -	3.11	-	-
Total-P (as PO ₄)	mg/l	1.16 ± 0.0213	- ± -	0.0869	-	-
Total hardness	mmol/l	5.41 ± 0.0392	- ± -	0.162	-	-
Total nitrogen	mg/l	2.59 ± 0.0647	- ± -	0.215	-	-

Sample: N155ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.07 ± 0.0588	- ± -	0.207	-	-

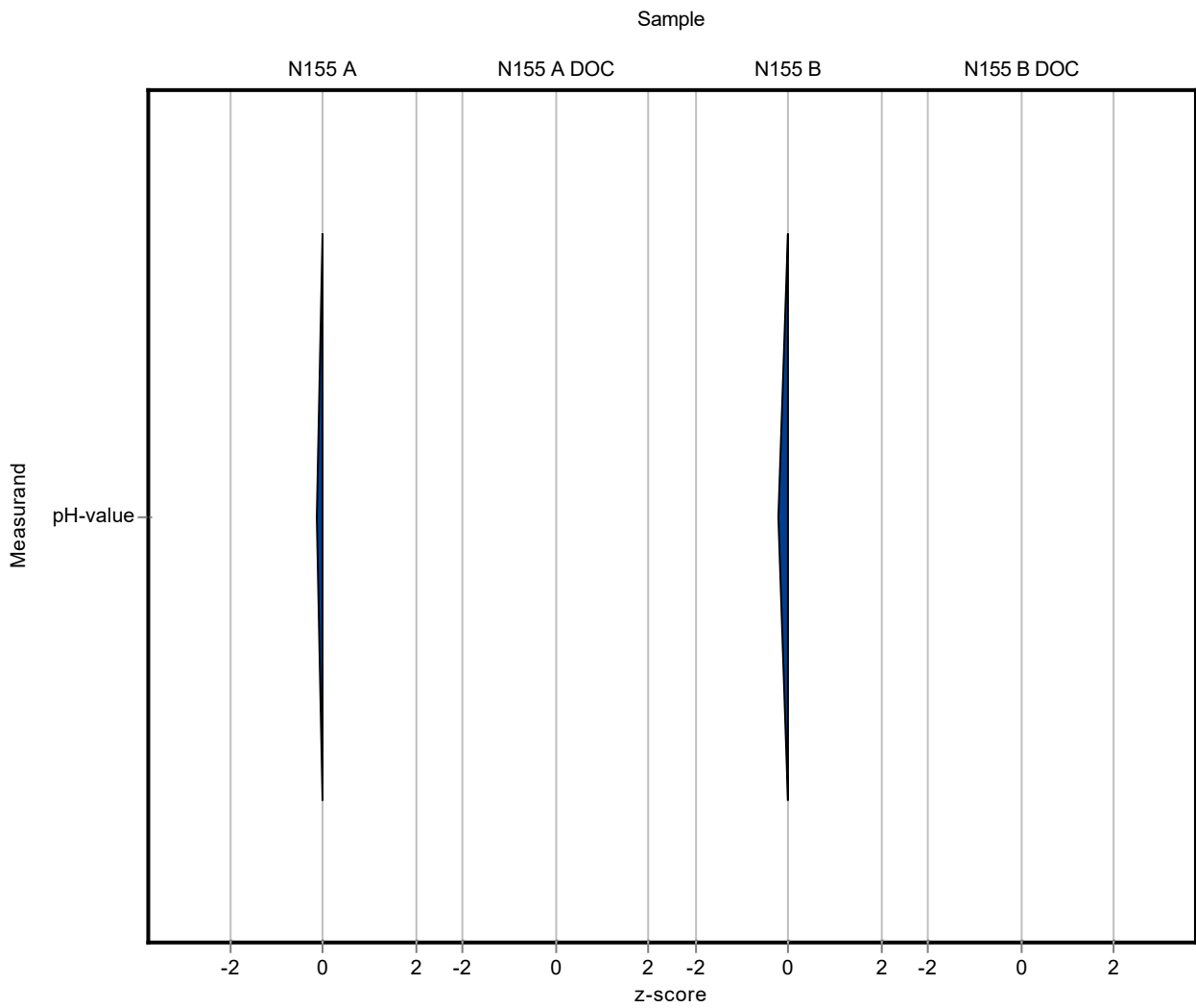
Sample: N155B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	3.11 ± 0.0171	- ± -	0.0622	-	-
Ammonium (as NH ₄)	mg/l	0.359 ± 0.00779	- ± -	0.0431	-	-
Boron	mg/l	0.0189 ± 0.000778	- ± -	0.00208	-	-
Calcium	mg/l	58.7 ± 0.681	- ± -	1.82	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Chloride	mg/l	44.2 ± 0.341	- ± -	1.77	-	-
El. conductivity (25°C)	µS/cm	517 ± 1.75	- ± -	6.72	-	-
Hydrogen carbonate	mg/l	189 ± 1.54	- ± -	3.78	-	-
Magnesium	mg/l	12.5 ± 0.185	- ± -	0.501	-	-
Nitrate (as NO ₃)	mg/l	20.1 ± 0.156	- ± -	1.01	-	-
Nitrite (as NO ₂)	mg/l	0.24 ± 0.00384	- ± -	0.0127	-	-
Orthophosphate (as PO ₄)	mg/l	0.235 ± 0.00356	- ± -	0.0212	-	-
pH-value	-	7.92 ± 0.0209	7.89 ± 0.39	0.158	99.6	-0.21
Potassium	mg/l	2.94 ± 0.0476	- ± -	0.153	-	-
Sodium	mg/l	25.6 ± 0.277	- ± -	0.87	-	-
Sulfate (as SO ₄)	mg/l	24.7 ± 0.31	- ± -	0.815	-	-
Total-P (as PO ₄)	mg/l	1.1 ± 0.0151	- ± -	0.0824	-	-
Total hardness	mmol/l	2 ± 0.0126	- ± -	0.0599	-	-
Total nitrogen	mg/l	5.05 ± 0.0813	- ± -	0.42	-	-

Sample: N155BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	4.27 ± 0.0971	- ± -	0.427	-	-



Sample: N155A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	7.28 ± 0.029	- ± -	0.146	-	-
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00275	- ± -	0.0102	-	-
Boron	mg/l	0.0534 ± 0.00214	- ± -	0.00588	-	-
Calcium	mg/l	155 ± 2	- ± -	4.82	-	-
Chloride	mg/l	85.1 ± 0.62	- ± -	3.4	-	-
El. conductivity (25°C)	µS/cm	1080 ± 4.42	- ± -	14	-	-
Hydrogen carbonate	mg/l	442 ± 1.46	- ± -	8.84	-	-
Magnesium	mg/l	36.2 ± 0.459	- ± -	1.45	-	-
Nitrate (as NO ₃)	mg/l	10.7 ± 0.126	- ± -	0.537	-	-
Nitrite (as NO ₂)	mg/l	0.102 ± 0.00202	- ± -	0.00539	-	-
Orthophosphate (as PO ₄)	mg/l	0.0589 ± 0.00231	- ± -	0.0053	-	-
pH-value	-	7.73 ± 0.027	7.71 ± 0.39	0.155	99.7	-0.03
Potassium	mg/l	2.4 ± 0.0526	- ± -	0.125	-	-
Sodium	mg/l	21.5 ± 0.289	- ± -	0.73	-	-
Sulfate (as SO ₄)	mg/l	94.2 ± 1.02	- ± -	3.11	-	-
Total-P (as PO ₄)	mg/l	1.16 ± 0.0213	- ± -	0.0869	-	-
Total hardness	mmol/l	5.41 ± 0.0392	- ± -	0.162	-	-
Total nitrogen	mg/l	2.59 ± 0.0647	- ± -	0.215	-	-

Sample: N155ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	2.07 ± 0.0588	- ± -	0.207	-	-

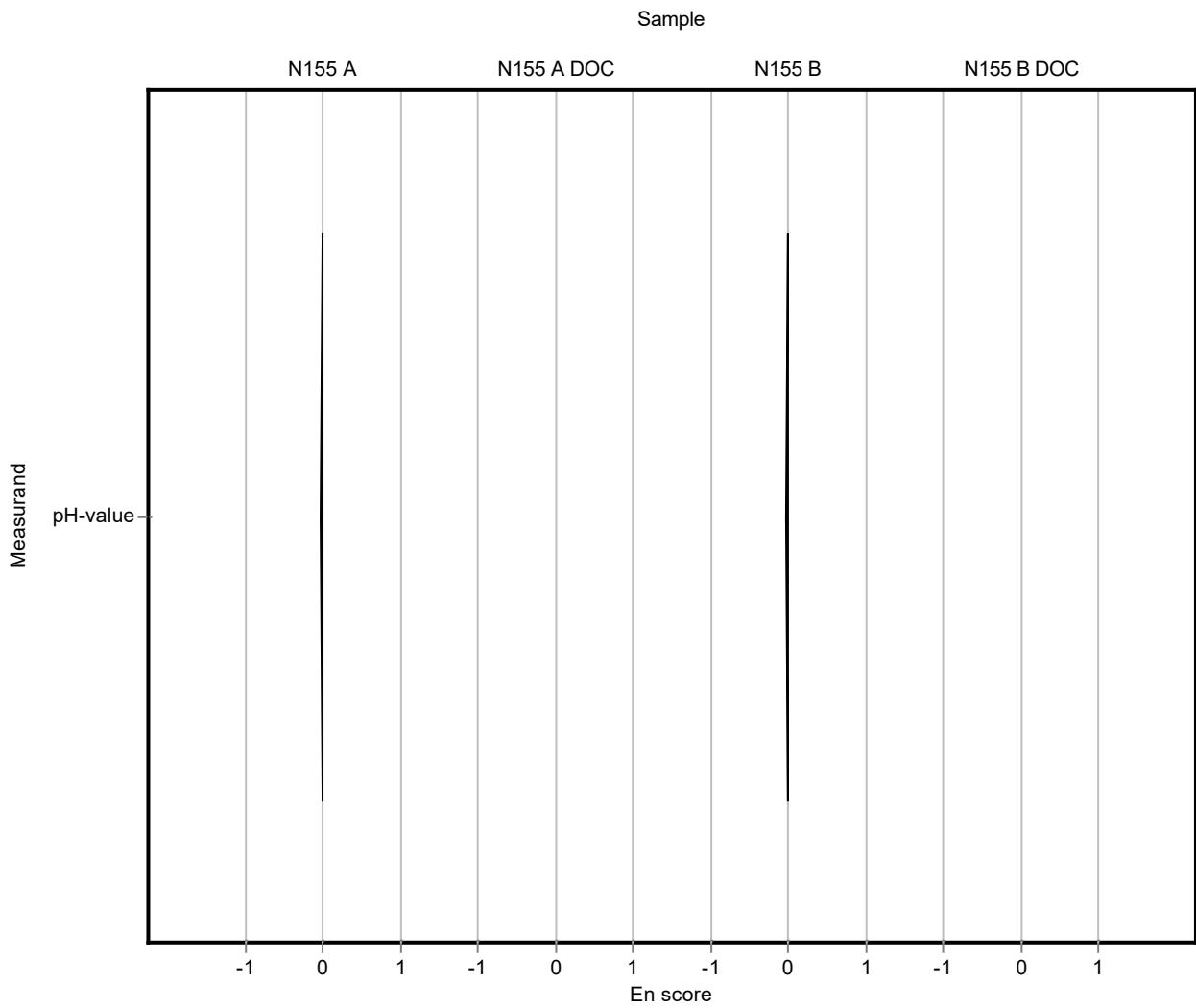
Sample: N155B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	3.11 ± 0.0171	- ± -	0.0622	-	-
Ammonium (as NH ₄)	mg/l	0.359 ± 0.00779	- ± -	0.0431	-	-
Boron	mg/l	0.0189 ± 0.000778	- ± -	0.00208	-	-
Calcium	mg/l	58.7 ± 0.681	- ± -	1.82	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Chloride	mg/l	44.2 ± 0.341	- ± -	1.77	-	-
El. conductivity (25°C)	µS/cm	517 ± 1.75	- ± -	6.72	-	-
Hydrogen carbonate	mg/l	189 ± 1.54	- ± -	3.78	-	-
Magnesium	mg/l	12.5 ± 0.185	- ± -	0.501	-	-
Nitrate (as NO ₃)	mg/l	20.1 ± 0.156	- ± -	1.01	-	-
Nitrite (as NO ₂)	mg/l	0.24 ± 0.00384	- ± -	0.0127	-	-
Orthophosphate (as PO ₄)	mg/l	0.235 ± 0.00356	- ± -	0.0212	-	-
pH-value	-	7.92 ± 0.0209	7.89 ± 0.39	0.158	99.6	-0.04
Potassium	mg/l	2.94 ± 0.0476	- ± -	0.153	-	-
Sodium	mg/l	25.6 ± 0.277	- ± -	0.87	-	-
Sulfate (as SO ₄)	mg/l	24.7 ± 0.31	- ± -	0.815	-	-
Total-P (as PO ₄)	mg/l	1.1 ± 0.0151	- ± -	0.0824	-	-
Total hardness	mmol/l	2 ± 0.0126	- ± -	0.0599	-	-
Total nitrogen	mg/l	5.05 ± 0.0813	- ± -	0.42	-	-

Sample: N155BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	4.27 ± 0.0971	- ± -	0.427	-	-



Sample: N155A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	7.28 ± 0.029	7.34 ± 0.04	0.146	101	0.39
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00275	0.09 ± 0.003	0.0102	105	0.45
Boron	mg/l	0.0534 ± 0.00214	- ± -	0.00588	-	-
Calcium	mg/l	155 ± 2	156.7 ± 8	4.82	101	0.28
Chloride	mg/l	85.1 ± 0.62	92.02 ± 5	3.4	108	2.05
El. conductivity (25°C)	µS/cm	1080 ± 4.42	1067 ± 22	14	98.9	-0.86
Hydrogen carbonate	mg/l	442 ± 1.46	445 ± 3	8.84	101	0.34
Magnesium	mg/l	36.2 ± 0.459	35.7 ± 1.8	1.45	98.7	-0.34
Nitrate (as NO ₃)	mg/l	10.7 ± 0.126	12.6 ± 0.7	0.537	117	3.46
Nitrite (as NO ₂)	mg/l	0.102 ± 0.00202	0.1 ± 0.02	0.00539	98.3	-0.33
Orthophosphate (as PO ₄)	mg/l	0.0589 ± 0.00231	- ± -	0.0053	-	-
pH-value	-	7.73 ± 0.027	7.78 ± 0.1	0.155	101	0.30
Potassium	mg/l	2.4 ± 0.0526	2.21 ± 0.16	0.125	92.2	-1.50
Sodium	mg/l	21.5 ± 0.289	21.5 ± 1.1	0.73	100	0.03
Sulfate (as SO ₄)	mg/l	94.2 ± 1.02	97 ± 5	3.11	103	0.89
Total-P (as PO ₄)	mg/l	1.16 ± 0.0213	- ± -	0.0869	-	-
Total hardness	mmol/l	5.41 ± 0.0392	5.39 ± 0.2	0.162	99.6	-0.13
Total nitrogen	mg/l	2.59 ± 0.0647	2.9 ± 0.7	0.215	112	1.47

Sample: N155ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.07 ± 0.0588	1.98 ± 0.1	0.207	95.5	-0.45

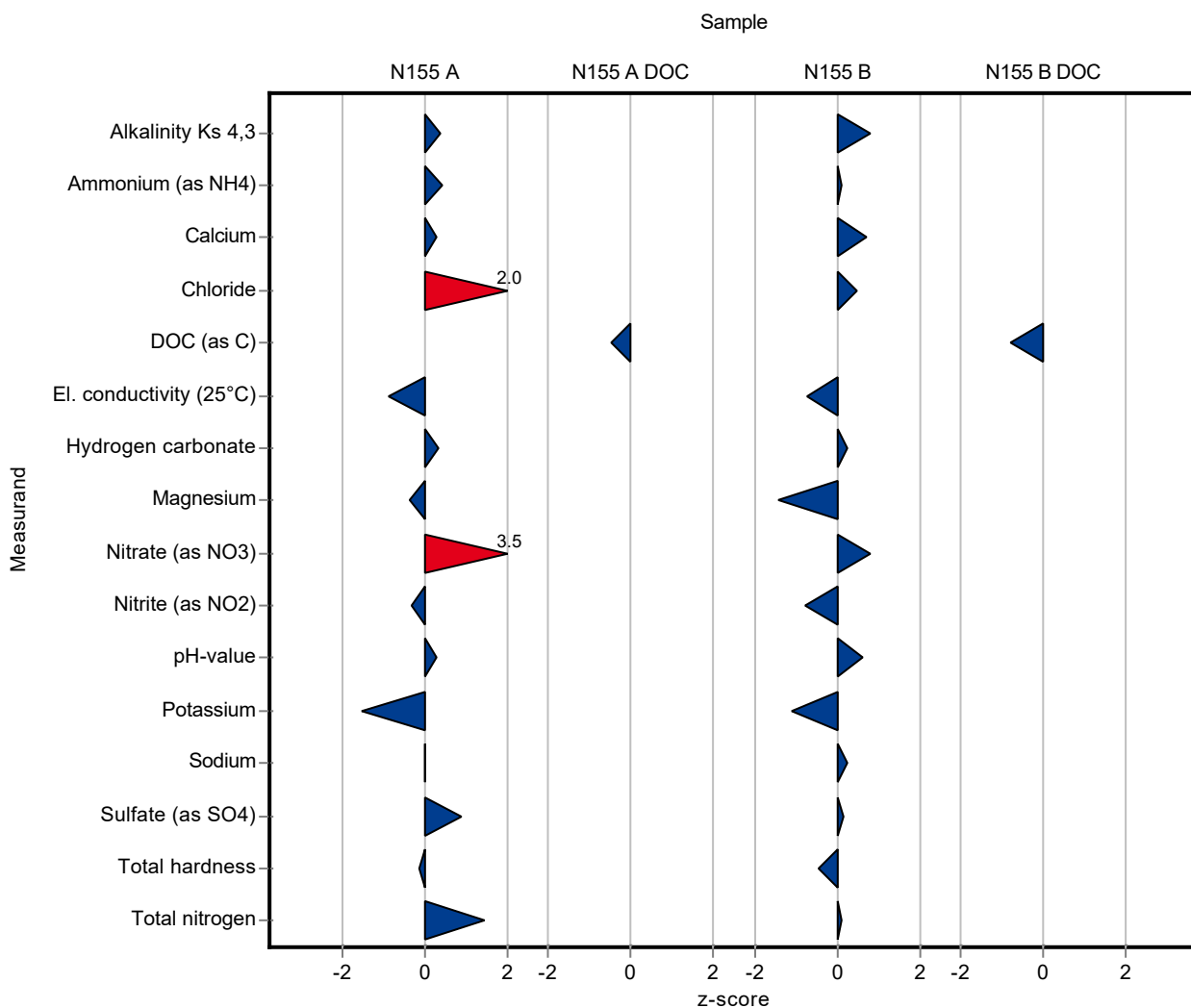
Sample: N155B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	3.11 ± 0.0171	3.16 ± 0.04	0.0622	102	0.81
Ammonium (as NH ₄)	mg/l	0.359 ± 0.00779	0.364 ± 0.003	0.0431	101	0.11
Boron	mg/l	0.0189 ± 0.000778	- ± -	0.00208	-	-
Calcium	mg/l	58.7 ± 0.681	60 ± 3	1.82	102	0.69

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Chloride	mg/l	44.2 ± 0.341	45 ± 2	1.77	102	0.46
El. conductivity (25°C)	µS/cm	517 ± 1.75	512 ± 11	6.72	99	-0.76
Hydrogen carbonate	mg/l	189 ± 1.54	190 ± 3	3.78	101	0.26
Magnesium	mg/l	12.5 ± 0.185	11.8 ± 0.6	0.501	94.2	-1.44
Nitrate (as NO ₃)	mg/l	20.1 ± 0.156	20.9 ± 1.1	1.01	104	0.78
Nitrite (as NO ₂)	mg/l	0.24 ± 0.00384	0.23 ± 0.02	0.0127	95.9	-0.77
Orthophosphate (as PO ₄)	mg/l	0.235 ± 0.00356	- ± -	0.0212	-	-
pH-value	-	7.92 ± 0.0209	8.02 ± 0.1	0.158	101	0.61
Potassium	mg/l	2.94 ± 0.0476	2.77 ± 0.2	0.153	94.2	-1.12
Sodium	mg/l	25.6 ± 0.277	25.8 ± 1.3	0.87	101	0.26
Sulfate (as SO ₄)	mg/l	24.7 ± 0.31	24.8 ± 1.4	0.815	100	0.14
Total-P (as PO ₄)	mg/l	1.1 ± 0.0151	- ± -	0.0824	-	-
Total hardness	mmol/l	2 ± 0.0126	1.97 ± 0.1	0.0599	98.7	-0.44
Total nitrogen	mg/l	5.05 ± 0.0813	5.1 ± 1.1	0.42	101	0.11

Sample: N155BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	4.27 ± 0.0971	3.92 ± 0.17	0.427	91.9	-0.81



Sample: N155A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	7.28 ± 0.029	7.34 ± 0.04	0.146	101	0.67
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00275	0.09 ± 0.003	0.0102	105	0.70
Boron	mg/l	0.0534 ± 0.00214	- ± -	0.00588	-	-
Calcium	mg/l	155 ± 2	156.7 ± 8	4.82	101	0.09
Chloride	mg/l	85.1 ± 0.62	92.02 ± 5	3.4	108	0.70
El. conductivity (25°C)	µS/cm	1080 ± 4.42	1067 ± 22	14	98.9	-0.27
Hydrogen carbonate	mg/l	442 ± 1.46	445 ± 3	8.84	101	0.48
Magnesium	mg/l	36.2 ± 0.459	35.7 ± 1.8	1.45	98.7	-0.13
Nitrate (as NO ₃)	mg/l	10.7 ± 0.126	12.6 ± 0.7	0.537	117	1.32
Nitrite (as NO ₂)	mg/l	0.102 ± 0.00202	0.1 ± 0.02	0.00539	98.3	-0.04
Orthophosphate (as PO ₄)	mg/l	0.0589 ± 0.00231	- ± -	0.0053	-	-
pH-value	-	7.73 ± 0.027	7.78 ± 0.1	0.155	101	0.23
Potassium	mg/l	2.4 ± 0.0526	2.21 ± 0.16	0.125	92.2	-0.58
Sodium	mg/l	21.5 ± 0.289	21.5 ± 1.1	0.73	100	0.01
Sulfate (as SO ₄)	mg/l	94.2 ± 1.02	97 ± 5	3.11	103	0.27
Total-P (as PO ₄)	mg/l	1.16 ± 0.0213	- ± -	0.0869	-	-
Total hardness	mmol/l	5.41 ± 0.0392	5.39 ± 0.2	0.162	99.6	-0.05
Total nitrogen	mg/l	2.59 ± 0.0647	2.9 ± 0.7	0.215	112	0.22

Sample: N155ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	2.07 ± 0.0588	1.98 ± 0.1	0.207	95.5	-0.45

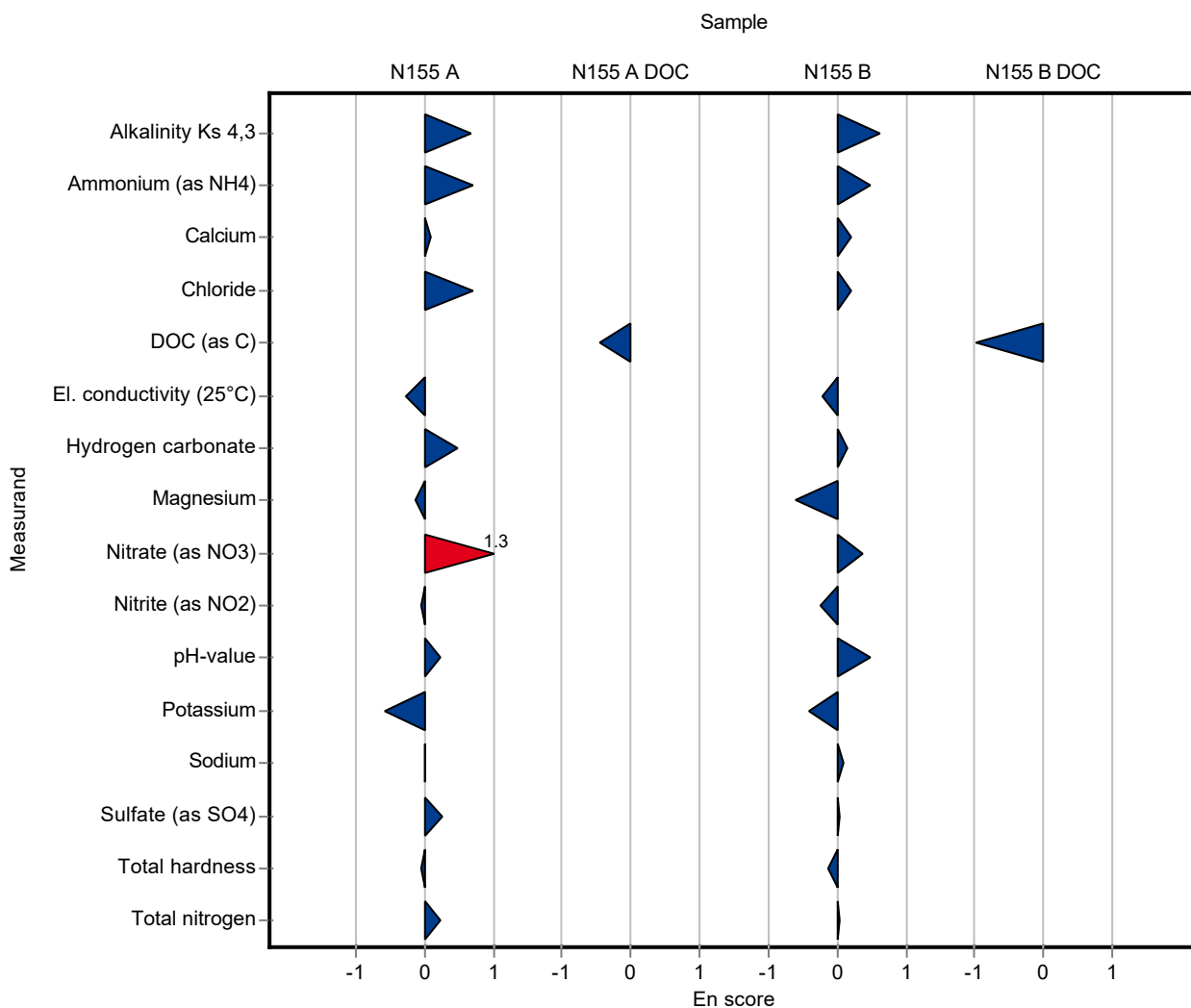
Sample: N155B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	3.11 ± 0.0171	3.16 ± 0.04	0.0622	102	0.62
Ammonium (as NH ₄)	mg/l	0.359 ± 0.00779	0.364 ± 0.003	0.0431	101	0.49
Boron	mg/l	0.0189 ± 0.000778	- ± -	0.00208	-	-
Calcium	mg/l	58.7 ± 0.681	60 ± 3	1.82	102	0.21

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Chloride	mg/l	44.2 ± 0.341	45 ± 2	1.77	102	0.20
El. conductivity (25°C)	µS/cm	517 ± 1.75	512 ± 11	6.72	99	-0.23
Hydrogen carbonate	mg/l	189 ± 1.54	190 ± 3	3.78	101	0.16
Magnesium	mg/l	12.5 ± 0.185	11.8 ± 0.6	0.501	94.2	-0.59
Nitrate (as NO ₃)	mg/l	20.1 ± 0.156	20.9 ± 1.1	1.01	104	0.36
Nitrite (as NO ₂)	mg/l	0.24 ± 0.00384	0.23 ± 0.02	0.0127	95.9	-0.24
Orthophosphate (as PO ₄)	mg/l	0.235 ± 0.00356	- ± -	0.0212	-	-
pH-value	-	7.92 ± 0.0209	8.02 ± 0.1	0.158	101	0.48
Potassium	mg/l	2.94 ± 0.0476	2.77 ± 0.2	0.153	94.2	-0.42
Sodium	mg/l	25.6 ± 0.277	25.8 ± 1.3	0.87	101	0.09
Sulfate (as SO ₄)	mg/l	24.7 ± 0.31	24.8 ± 1.4	0.815	100	0.04
Total-P (as PO ₄)	mg/l	1.1 ± 0.0151	- ± -	0.0824	-	-
Total hardness	mmol/l	2 ± 0.0126	1.97 ± 0.1	0.0599	98.7	-0.13
Total nitrogen	mg/l	5.05 ± 0.0813	5.1 ± 1.1	0.42	101	0.02

Sample: N155BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	4.27 ± 0.0971	3.92 ± 0.17	0.427	91.9	-0.98



Sample: N155A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	7.28 ± 0.029	7.23 ± 0.29	0.146	99.3	-0.36
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00275	0.086 ± 0.012	0.0102	101	0.06
Boron	mg/l	0.0534 ± 0.00214	0.056 ± 0.006	0.00588	105	0.43
Calcium	mg/l	155 ± 2	157.5 ± 15.7	4.82	101	0.45
Chloride	mg/l	85.1 ± 0.62	84.9 ± 6.8	3.4	99.8	-0.04
El. conductivity (25°C)	µS/cm	1080 ± 4.42	1083 ± 32	14	100	0.28
Hydrogen carbonate	mg/l	442 ± 1.46	441 ± 18	8.84	99.8	-0.12
Magnesium	mg/l	36.2 ± 0.459	36.8 ± 3.7	1.45	102	0.42
Nitrate (as NO ₃)	mg/l	10.7 ± 0.126	10.3 ± 1	0.537	95.9	-0.82
Nitrite (as NO ₂)	mg/l	0.102 ± 0.00202	0.104 ± 0.012	0.00539	102	0.41
Orthophosphate (as PO ₄)	mg/l	0.0589 ± 0.00231	0.058 ± 0.006	0.0053	98.5	-0.17
pH-value	-	7.73 ± 0.027	7.7 ± 0.3	0.155	99.6	-0.21
Potassium	mg/l	2.4 ± 0.0526	2.26 ± 0.23	0.125	94.3	-1.10
Sodium	mg/l	21.5 ± 0.289	21.3 ± 2.1	0.73	99.2	-0.25
Sulfate (as SO ₄)	mg/l	94.2 ± 1.02	91.7 ± 7.4	3.11	97.3	-0.82
Total-P (as PO ₄)	mg/l	1.16 ± 0.0213	1.2 ± 0.12	0.0869	104	0.48
Total hardness	mmol/l	5.41 ± 0.0392	5.45 ± 0.59	0.162	101	0.24
Total nitrogen	mg/l	2.59 ± 0.0647	2.45 ± 0.25	0.215	94.8	-0.63

Sample: N155ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.07 ± 0.0588	1.91 ± 0.19	0.207	92.1	-0.79

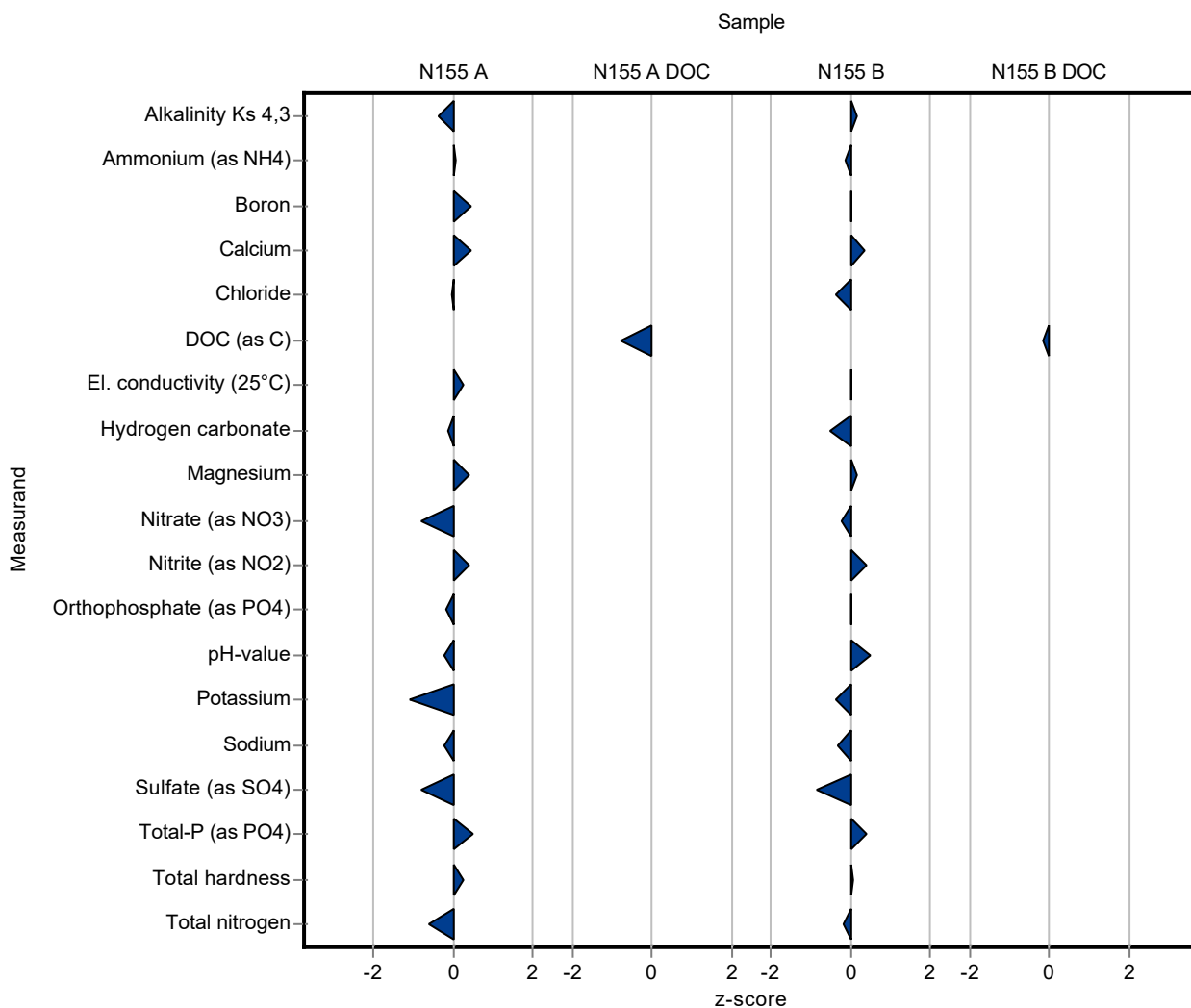
Sample: N155B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	3.11 ± 0.0171	3.12 ± 0.13	0.0622	100	0.17
Ammonium (as NH ₄)	mg/l	0.359 ± 0.00779	0.353 ± 0.052	0.0431	98.3	-0.14
Boron	mg/l	0.0189 ± 0.000778	0.019 ± 0.002	0.00208	100	0.03
Calcium	mg/l	58.7 ± 0.681	59.4 ± 5.9	1.82	101	0.36

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Chloride	mg/l	44.2 ± 0.341	43.5 ± 3.5	1.77	98.5	-0.39
El. conductivity (25°C)	µS/cm	517 ± 1.75	517 ± 16	6.72	100	-0.01
Hydrogen carbonate	mg/l	189 ± 1.54	187 ± 8	3.78	98.9	-0.54
Magnesium	mg/l	12.5 ± 0.185	12.6 ± 1.3	0.501	101	0.15
Nitrate (as NO ₃)	mg/l	20.1 ± 0.156	19.9 ± 2	1.01	98.9	-0.21
Nitrite (as NO ₂)	mg/l	0.24 ± 0.00384	0.245 ± 0.025	0.0127	102	0.41
Orthophosphate (as PO ₄)	mg/l	0.235 ± 0.00356	0.236 ± 0.024	0.0212	100	0.02
pH-value	-	7.92 ± 0.0209	8 ± 0.3	0.158	101	0.48
Potassium	mg/l	2.94 ± 0.0476	2.88 ± 0.29	0.153	97.9	-0.40
Sodium	mg/l	25.6 ± 0.277	25.3 ± 2.5	0.87	98.9	-0.32
Sulfate (as SO ₄)	mg/l	24.7 ± 0.31	24 ± 1.9	0.815	97.2	-0.84
Total-P (as PO ₄)	mg/l	1.1 ± 0.0151	1.13 ± 0.11	0.0824	103	0.39
Total hardness	mmol/l	2 ± 0.0126	2 ± 0.22	0.0599	100	0.06
Total nitrogen	mg/l	5.05 ± 0.0813	4.97 ± 0.5	0.42	98.3	-0.20

Sample: N155BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	4.27 ± 0.0971	4.2 ± 0.42	0.427	98.5	-0.15



Sample: N155A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	7.28 ± 0.029	7.23 ± 0.29	0.146	99.3	-0.09
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00275	0.086 ± 0.012	0.0102	101	0.03
Boron	mg/l	0.0534 ± 0.00214	0.056 ± 0.006	0.00588	105	0.21
Calcium	mg/l	155 ± 2	157.5 ± 15.7	4.82	101	0.07
Chloride	mg/l	85.1 ± 0.62	84.9 ± 6.8	3.4	99.8	-0.01
El. conductivity (25°C)	µS/cm	1080 ± 4.42	1083 ± 32	14	100	0.06
Hydrogen carbonate	mg/l	442 ± 1.46	441 ± 18	8.84	99.8	-0.03
Magnesium	mg/l	36.2 ± 0.459	36.8 ± 3.7	1.45	102	0.08
Nitrate (as NO ₃)	mg/l	10.7 ± 0.126	10.3 ± 1	0.537	95.9	-0.22
Nitrite (as NO ₂)	mg/l	0.102 ± 0.00202	0.104 ± 0.012	0.00539	102	0.09
Orthophosphate (as PO ₄)	mg/l	0.0589 ± 0.00231	0.058 ± 0.006	0.0053	98.5	-0.07
pH-value	-	7.73 ± 0.027	7.7 ± 0.3	0.155	99.6	-0.05
Potassium	mg/l	2.4 ± 0.0526	2.26 ± 0.23	0.125	94.3	-0.30
Sodium	mg/l	21.5 ± 0.289	21.3 ± 2.1	0.73	99.2	-0.04
Sulfate (as SO ₄)	mg/l	94.2 ± 1.02	91.7 ± 7.4	3.11	97.3	-0.17
Total-P (as PO ₄)	mg/l	1.16 ± 0.0213	1.2 ± 0.12	0.0869	104	0.17
Total hardness	mmol/l	5.41 ± 0.0392	5.45 ± 0.59	0.162	101	0.03
Total nitrogen	mg/l	2.59 ± 0.0647	2.45 ± 0.25	0.215	94.8	-0.27

Sample: N155ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	2.07 ± 0.0588	1.91 ± 0.19	0.207	92.1	-0.43

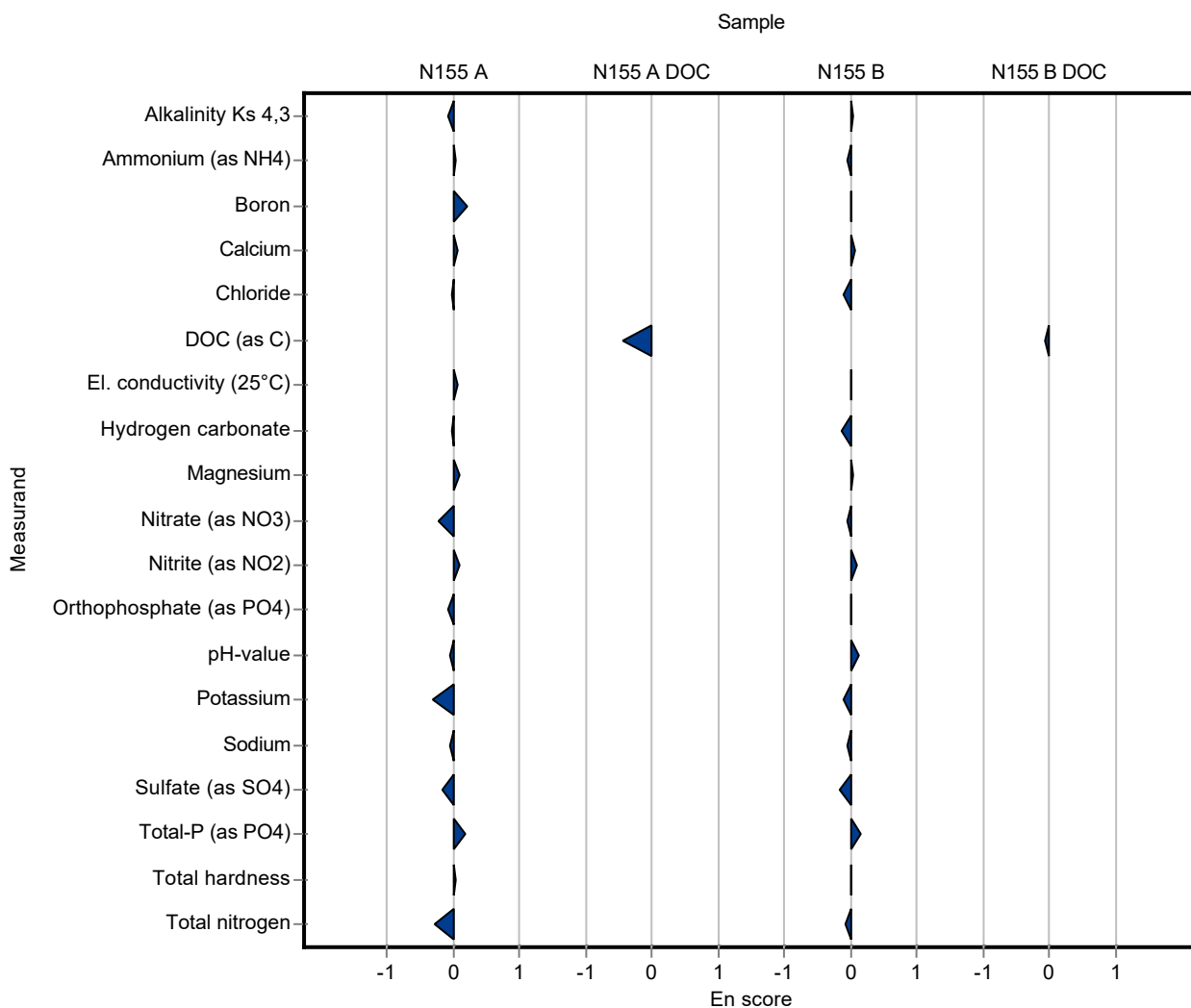
Sample: N155B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	3.11 ± 0.0171	3.12 ± 0.13	0.0622	100	0.04
Ammonium (as NH ₄)	mg/l	0.359 ± 0.00779	0.353 ± 0.052	0.0431	98.3	-0.06
Boron	mg/l	0.0189 ± 0.000778	0.019 ± 0.002	0.00208	100	0.01
Calcium	mg/l	58.7 ± 0.681	59.4 ± 5.9	1.82	101	0.06

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Chloride	mg/l	44.2 ± 0.341	43.5 ± 3.5	1.77	98.5	-0.10
El. conductivity (25°C)	µS/cm	517 ± 1.75	517 ± 16	6.72	100	0.00
Hydrogen carbonate	mg/l	189 ± 1.54	187 ± 8	3.78	98.9	-0.13
Magnesium	mg/l	12.5 ± 0.185	12.6 ± 1.3	0.501	101	0.03
Nitrate (as NO ₃)	mg/l	20.1 ± 0.156	19.9 ± 2	1.01	98.9	-0.05
Nitrite (as NO ₂)	mg/l	0.24 ± 0.00384	0.245 ± 0.025	0.0127	102	0.10
Orthophosphate (as PO ₄)	mg/l	0.235 ± 0.00356	0.236 ± 0.024	0.0212	100	0.01
pH-value	-	7.92 ± 0.0209	8 ± 0.3	0.158	101	0.13
Potassium	mg/l	2.94 ± 0.0476	2.88 ± 0.29	0.153	97.9	-0.10
Sodium	mg/l	25.6 ± 0.277	25.3 ± 2.5	0.87	98.9	-0.06
Sulfate (as SO ₄)	mg/l	24.7 ± 0.31	24 ± 1.9	0.815	97.2	-0.18
Total-P (as PO ₄)	mg/l	1.1 ± 0.0151	1.13 ± 0.11	0.0824	103	0.14
Total hardness	mmol/l	2 ± 0.0126	2 ± 0.22	0.0599	100	0.01
Total nitrogen	mg/l	5.05 ± 0.0813	4.97 ± 0.5	0.42	98.3	-0.08

Sample: N155BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	4.27 ± 0.0971	4.2 ± 0.42	0.427	98.5	-0.08



Sample: N155A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	7.28 ± 0.029	7.128 ± 0.22	0.146	97.9	-1.07
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00275	0.086 ± 0.011	0.0102	101	0.06
Boron	mg/l	0.0534 ± 0.00214	0.0421 ± 0.0045	0.00588	78.8	-1.93
Calcium	mg/l	155 ± 2	160 ± 14.3	4.82	103	0.97
Chloride	mg/l	85.1 ± 0.62	85.8 ± 7	3.4	101	0.22
El. conductivity (25°C)	µS/cm	1080 ± 4.42	1062 ± 85	14	98.4	-1.22
Hydrogen carbonate	mg/l	442 ± 1.46	434.8 ± 3.1	8.84	98.4	-0.82
Magnesium	mg/l	36.2 ± 0.459	37.2 ± 5.5	1.45	103	0.70
Nitrate (as NO ₃)	mg/l	10.7 ± 0.126	10.8 ± 1.5	0.537	101	0.11
Nitrite (as NO ₂)	mg/l	0.102 ± 0.00202	0.1 ± 0.01	0.00539	98.3	-0.33
Orthophosphate (as PO ₄)	mg/l	0.0589 ± 0.00231	0.056 ± 0.017	0.0053	95.1	-0.54
pH-value	-	7.73 ± 0.027	7.7 ± 0.077	0.155	99.6	-0.21
Potassium	mg/l	2.4 ± 0.0526	2.37 ± 0.3	0.125	98.9	-0.22
Sodium	mg/l	21.5 ± 0.289	21.6 ± 1.7	0.73	101	0.16
Sulfate (as SO ₄)	mg/l	94.2 ± 1.02	95.9 ± 17.4	3.11	102	0.53
Total-P (as PO ₄)	mg/l	1.16 ± 0.0213	1.272 ± 0.104	0.0869	110	1.31
Total hardness	mmol/l	5.41 ± 0.0392	5.52 ± 0.96	0.162	102	0.67
Total nitrogen	mg/l	2.59 ± 0.0647	- ± -	0.215	-	-

Sample: N155ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.07 ± 0.0588	2.08 ± 0.15	0.207	100	0.03

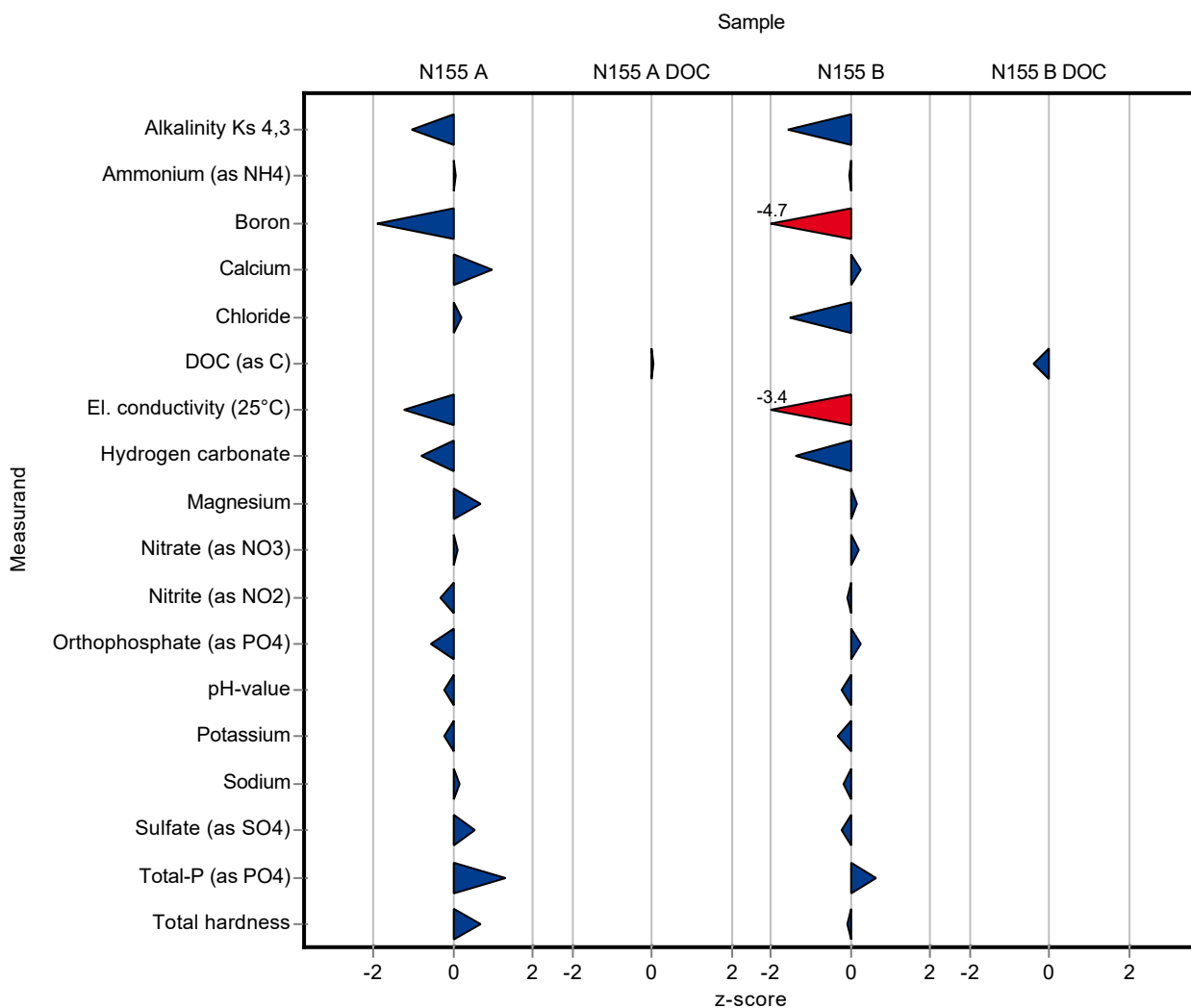
Sample: N155B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	3.11 ± 0.0171	3.011 ± 0.093	0.0622	96.8	-1.58
Ammonium (as NH ₄)	mg/l	0.359 ± 0.00779	0.357 ± 0.046	0.0431	99.4	-0.05
Boron	mg/l	0.0189 ± 0.000778	0.0092 ± 0.001	0.00208	48.6	-4.68
Calcium	mg/l	58.7 ± 0.681	59.2 ± 5.3	1.82	101	0.25

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Chloride	mg/l	44.2 ± 0.341	41.5 ± 3.4	1.77	93.9	-1.52
El. conductivity (25°C)	µS/cm	517 ± 1.75	494 ± 39.5	6.72	95.5	-3.43
Hydrogen carbonate	mg/l	189 ± 1.54	183.7 ± 5.7	3.78	97.2	-1.41
Magnesium	mg/l	12.5 ± 0.185	12.6 ± 1.9	0.501	101	0.15
Nitrate (as NO ₃)	mg/l	20.1 ± 0.156	20.3 ± 2.8	1.01	101	0.18
Nitrite (as NO ₂)	mg/l	0.24 ± 0.00384	0.239 ± 0.024	0.0127	99.7	-0.06
Orthophosphate (as PO ₄)	mg/l	0.235 ± 0.00356	0.241 ± 0.072	0.0212	102	0.26
pH-value	-	7.92 ± 0.0209	7.89 ± 0.079	0.158	99.6	-0.21
Potassium	mg/l	2.94 ± 0.0476	2.89 ± 0.37	0.153	98.3	-0.33
Sodium	mg/l	25.6 ± 0.277	25.4 ± 2	0.87	99.3	-0.20
Sulfate (as SO ₄)	mg/l	24.7 ± 0.31	24.5 ± 4.5	0.815	99.2	-0.23
Total-P (as PO ₄)	mg/l	1.1 ± 0.0151	1.152 ± 0.094	0.0824	105	0.66
Total hardness	mmol/l	2 ± 0.0126	1.99 ± 0.35	0.0599	99.7	-0.10
Total nitrogen	mg/l	5.05 ± 0.0813	- ± -	0.42	-	-

Sample: N155BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	4.27 ± 0.0971	4.1 ± 0.3	0.427	96.1	-0.39



Sample: N155A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	7.28 ± 0.029	7.128 ± 0.22	0.146	97.9	-0.35
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00275	0.086 ± 0.011	0.0102	101	0.03
Boron	mg/l	0.0534 ± 0.00214	0.0421 ± 0.0045	0.00588	78.8	-1.23
Calcium	mg/l	155 ± 2	160 ± 14.3	4.82	103	0.16
Chloride	mg/l	85.1 ± 0.62	85.8 ± 7	3.4	101	0.05
El. conductivity (25°C)	µS/cm	1080 ± 4.42	1062 ± 85	14	98.4	-0.10
Hydrogen carbonate	mg/l	442 ± 1.46	434.8 ± 3.1	8.84	98.4	-1.13
Magnesium	mg/l	36.2 ± 0.459	37.2 ± 5.5	1.45	103	0.09
Nitrate (as NO ₃)	mg/l	10.7 ± 0.126	10.8 ± 1.5	0.537	101	0.02
Nitrite (as NO ₂)	mg/l	0.102 ± 0.00202	0.1 ± 0.01	0.00539	98.3	-0.09
Orthophosphate (as PO ₄)	mg/l	0.0589 ± 0.00231	0.056 ± 0.017	0.0053	95.1	-0.08
pH-value	-	7.73 ± 0.027	7.7 ± 0.077	0.155	99.6	-0.21
Potassium	mg/l	2.4 ± 0.0526	2.37 ± 0.3	0.125	98.9	-0.05
Sodium	mg/l	21.5 ± 0.289	21.6 ± 1.7	0.73	101	0.03
Sulfate (as SO ₄)	mg/l	94.2 ± 1.02	95.9 ± 17.4	3.11	102	0.05
Total-P (as PO ₄)	mg/l	1.16 ± 0.0213	1.272 ± 0.104	0.0869	110	0.55
Total hardness	mmol/l	5.41 ± 0.0392	5.52 ± 0.96	0.162	102	0.06
Total nitrogen	mg/l	2.59 ± 0.0647	- ± -	0.215	-	-

Sample: N155ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	2.07 ± 0.0588	2.08 ± 0.15	0.207	100	0.02

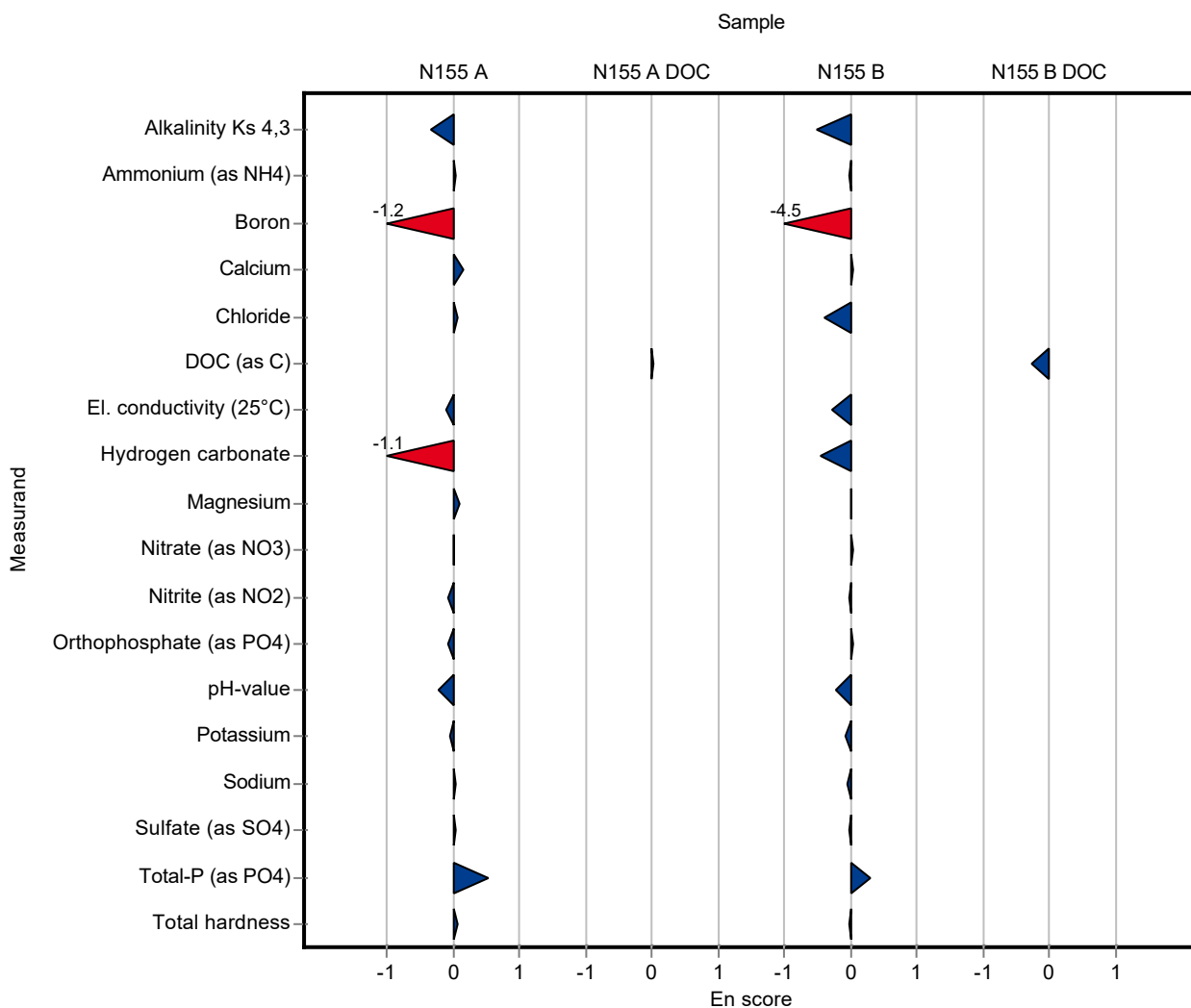
Sample: N155B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	3.11 ± 0.0171	3.011 ± 0.093	0.0622	96.8	-0.53
Ammonium (as NH ₄)	mg/l	0.359 ± 0.00779	0.357 ± 0.046	0.0431	99.4	-0.02
Boron	mg/l	0.0189 ± 0.000778	0.0092 ± 0.001	0.00208	48.6	-4.54
Calcium	mg/l	58.7 ± 0.681	59.2 ± 5.3	1.82	101	0.04

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Chloride	mg/l	44.2 ± 0.341	41.5 ± 3.4	1.77	93.9	-0.39
El. conductivity (25°C)	µS/cm	517 ± 1.75	494 ± 39.5	6.72	95.5	-0.29
Hydrogen carbonate	mg/l	189 ± 1.54	183.7 ± 5.7	3.78	97.2	-0.46
Magnesium	mg/l	12.5 ± 0.185	12.6 ± 1.9	0.501	101	0.02
Nitrate (as NO ₃)	mg/l	20.1 ± 0.156	20.3 ± 2.8	1.01	101	0.03
Nitrite (as NO ₂)	mg/l	0.24 ± 0.00384	0.239 ± 0.024	0.0127	99.7	-0.02
Orthophosphate (as PO ₄)	mg/l	0.235 ± 0.00356	0.241 ± 0.072	0.0212	102	0.04
pH-value	-	7.92 ± 0.0209	7.89 ± 0.079	0.158	99.6	-0.21
Potassium	mg/l	2.94 ± 0.0476	2.89 ± 0.37	0.153	98.3	-0.07
Sodium	mg/l	25.6 ± 0.277	25.4 ± 2	0.87	99.3	-0.04
Sulfate (as SO ₄)	mg/l	24.7 ± 0.31	24.5 ± 4.5	0.815	99.2	-0.02
Total-P (as PO ₄)	mg/l	1.1 ± 0.0151	1.152 ± 0.094	0.0824	105	0.29
Total hardness	mmol/l	2 ± 0.0126	1.99 ± 0.35	0.0599	99.7	-0.01
Total nitrogen	mg/l	5.05 ± 0.0813	- ± -	0.42	-	-

Sample: N155BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	4.27 ± 0.0971	4.1 ± 0.3	0.427	96.1	-0.27



Sample: N155A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	7.28 ± 0.029	7.35 ± 0.06	0.146	101	0.46
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00275	0.072 ± 0.002	0.0102	84.4	-1.30
Boron	mg/l	0.0534 ± 0.00214	- ± -	0.00588	-	-
Calcium	mg/l	155 ± 2	153 ± 4.98	4.82	98.5	-0.48
Chloride	mg/l	85.1 ± 0.62	85.2 ± 3.07	3.4	100	0.04
El. conductivity (25°C)	µS/cm	1080 ± 4.42	1075 ± 25.5	14	99.6	-0.29
Hydrogen carbonate	mg/l	442 ± 1.46	- ± -	8.84	-	-
Magnesium	mg/l	36.2 ± 0.459	36.2 ± 0.2	1.45	100	0.01
Nitrate (as NO ₃)	mg/l	10.7 ± 0.126	11.4 ± 0.04	0.537	106	1.23
Nitrite (as NO ₂)	mg/l	0.102 ± 0.00202	0.11 ± 0.01	0.00539	108	1.53
Orthophosphate (as PO ₄)	mg/l	0.0589 ± 0.00231	0.047 ± 0.002	0.0053	79.8	-2.24
pH-value	-	7.73 ± 0.027	7.82 ± 0.1	0.155	101	0.56
Potassium	mg/l	2.4 ± 0.0526	2.67 ± 0.02	0.125	111	2.19
Sodium	mg/l	21.5 ± 0.289	22.4 ± 0.08	0.73	104	1.26
Sulfate (as SO ₄)	mg/l	94.2 ± 1.02	90.3 ± 4.02	3.11	95.8	-1.27
Total-P (as PO ₄)	mg/l	1.16 ± 0.0213	0.532 ± 0.05	0.0869	45.9	-7.21
Total hardness	mmol/l	5.41 ± 0.0392	5.31 ± 0.25	0.162	98.1	-0.62
Total nitrogen	mg/l	2.59 ± 0.0647	2.83 ± 0.06	0.215	109	1.14

Sample: N155ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.07 ± 0.0588	2.32 ± 0.03	0.207	112	1.19

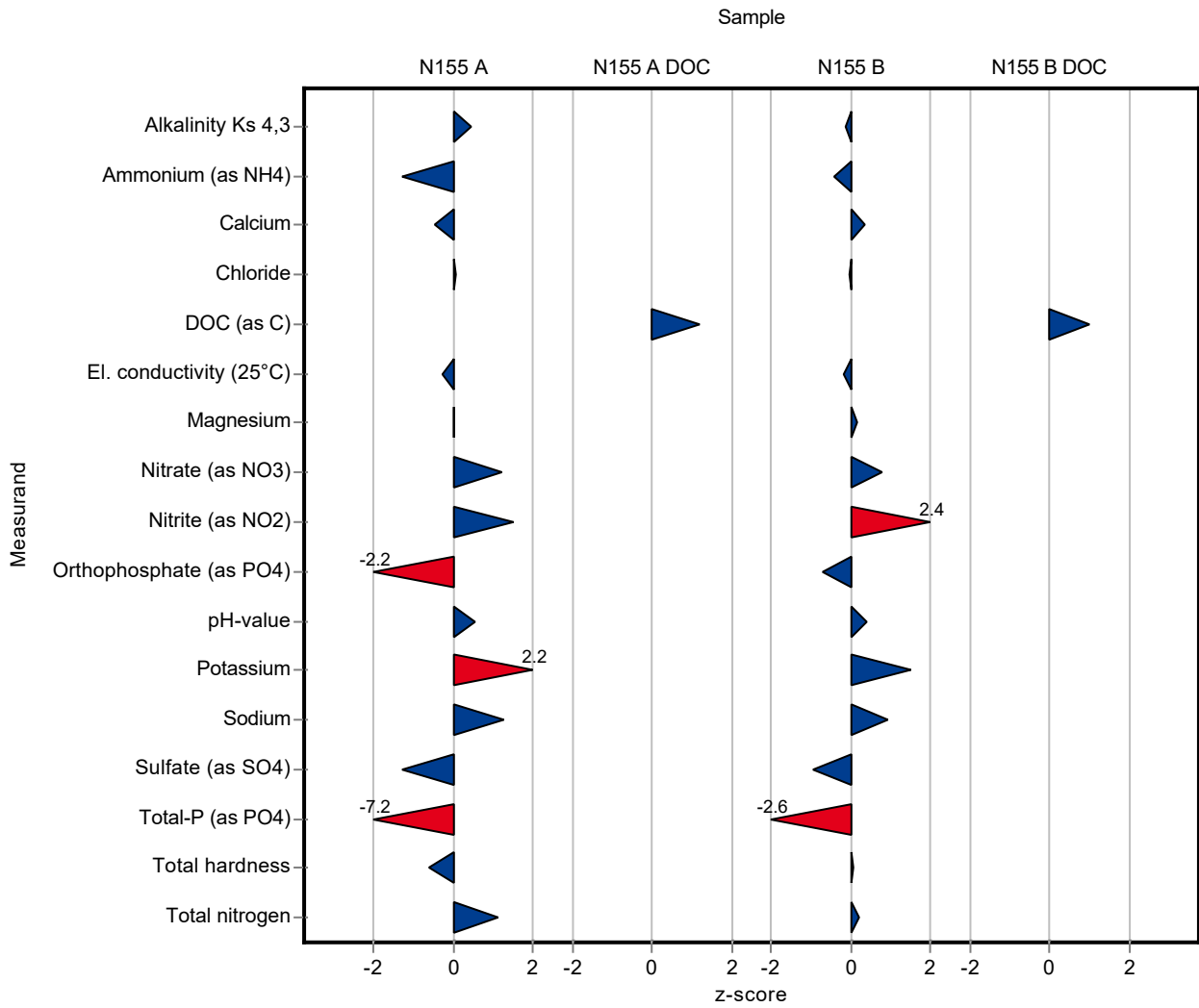
Sample: N155B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	3.11 ± 0.0171	3.1 ± 0.09	0.0622	99.7	-0.15
Ammonium (as NH ₄)	mg/l	0.359 ± 0.00779	0.34 ± 0.03	0.0431	94.7	-0.45
Boron	mg/l	0.0189 ± 0.000778	- ± -	0.00208	-	-
Calcium	mg/l	58.7 ± 0.681	59.4 ± 0.83	1.82	101	0.36

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Chloride	mg/l	44.2 ± 0.341	44.1 ± 1.3	1.77	99.8	-0.05
El. conductivity (25°C)	µS/cm	517 ± 1.75	516 ± 10.6	6.72	99.8	-0.16
Hydrogen carbonate	mg/l	189 ± 1.54	- ± -	3.78	-	-
Magnesium	mg/l	12.5 ± 0.185	12.6 ± 0.16	0.501	101	0.15
Nitrate (as NO ₃)	mg/l	20.1 ± 0.156	20.9 ± 0.09	1.01	104	0.78
Nitrite (as NO ₂)	mg/l	0.24 ± 0.00384	0.27 ± 0.01	0.0127	113	2.38
Orthophosphate (as PO ₄)	mg/l	0.235 ± 0.00356	0.22 ± 0.003	0.0212	93.4	-0.73
pH-value	-	7.92 ± 0.0209	7.99 ± 0.1	0.158	101	0.42
Potassium	mg/l	2.94 ± 0.0476	3.17 ± 0.02	0.153	108	1.50
Sodium	mg/l	25.6 ± 0.277	26.4 ± 0.3	0.87	103	0.95
Sulfate (as SO ₄)	mg/l	24.7 ± 0.31	23.9 ± 0.89	0.815	96.8	-0.96
Total-P (as PO ₄)	mg/l	1.1 ± 0.0151	0.884 ± 0.081	0.0824	80.5	-2.60
Total hardness	mmol/l	2 ± 0.0126	2 ± 0.1	0.0599	100	0.06
Total nitrogen	mg/l	5.05 ± 0.0813	5.14 ± 0.05	0.42	102	0.20

Sample: N155BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	4.27 ± 0.0971	4.7 ± 0.47	0.427	110	1.02



Sample: N155A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	7.28 ± 0.029	7.35 ± 0.06	0.146	101	0.54
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00275	0.072 ± 0.002	0.0102	84.4	-2.75
Boron	mg/l	0.0534 ± 0.00214	- ± -	0.00588	-	-
Calcium	mg/l	155 ± 2	153 ± 4.98	4.82	98.5	-0.23
Chloride	mg/l	85.1 ± 0.62	85.2 ± 3.07	3.4	100	0.02
El. conductivity (25°C)	µS/cm	1080 ± 4.42	1075 ± 25.5	14	99.6	-0.08
Hydrogen carbonate	mg/l	442 ± 1.46	- ± -	8.84	-	-
Magnesium	mg/l	36.2 ± 0.459	36.2 ± 0.2	1.45	100	0.02
Nitrate (as NO ₃)	mg/l	10.7 ± 0.126	11.4 ± 0.04	0.537	106	4.41
Nitrite (as NO ₂)	mg/l	0.102 ± 0.00202	0.11 ± 0.01	0.00539	108	0.41
Orthophosphate (as PO ₄)	mg/l	0.0589 ± 0.00231	0.047 ± 0.002	0.0053	79.8	-2.57
pH-value	-	7.73 ± 0.027	7.82 ± 0.1	0.155	101	0.43
Potassium	mg/l	2.4 ± 0.0526	2.67 ± 0.02	0.125	111	4.13
Sodium	mg/l	21.5 ± 0.289	22.4 ± 0.08	0.73	104	2.78
Sulfate (as SO ₄)	mg/l	94.2 ± 1.02	90.3 ± 4.02	3.11	95.8	-0.49
Total-P (as PO ₄)	mg/l	1.16 ± 0.0213	0.532 ± 0.05	0.0869	45.9	-6.12
Total hardness	mmol/l	5.41 ± 0.0392	5.31 ± 0.25	0.162	98.1	-0.20
Total nitrogen	mg/l	2.59 ± 0.0647	2.83 ± 0.06	0.215	109	1.79

Sample: N155ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	2.07 ± 0.0588	2.32 ± 0.03	0.207	112	2.93

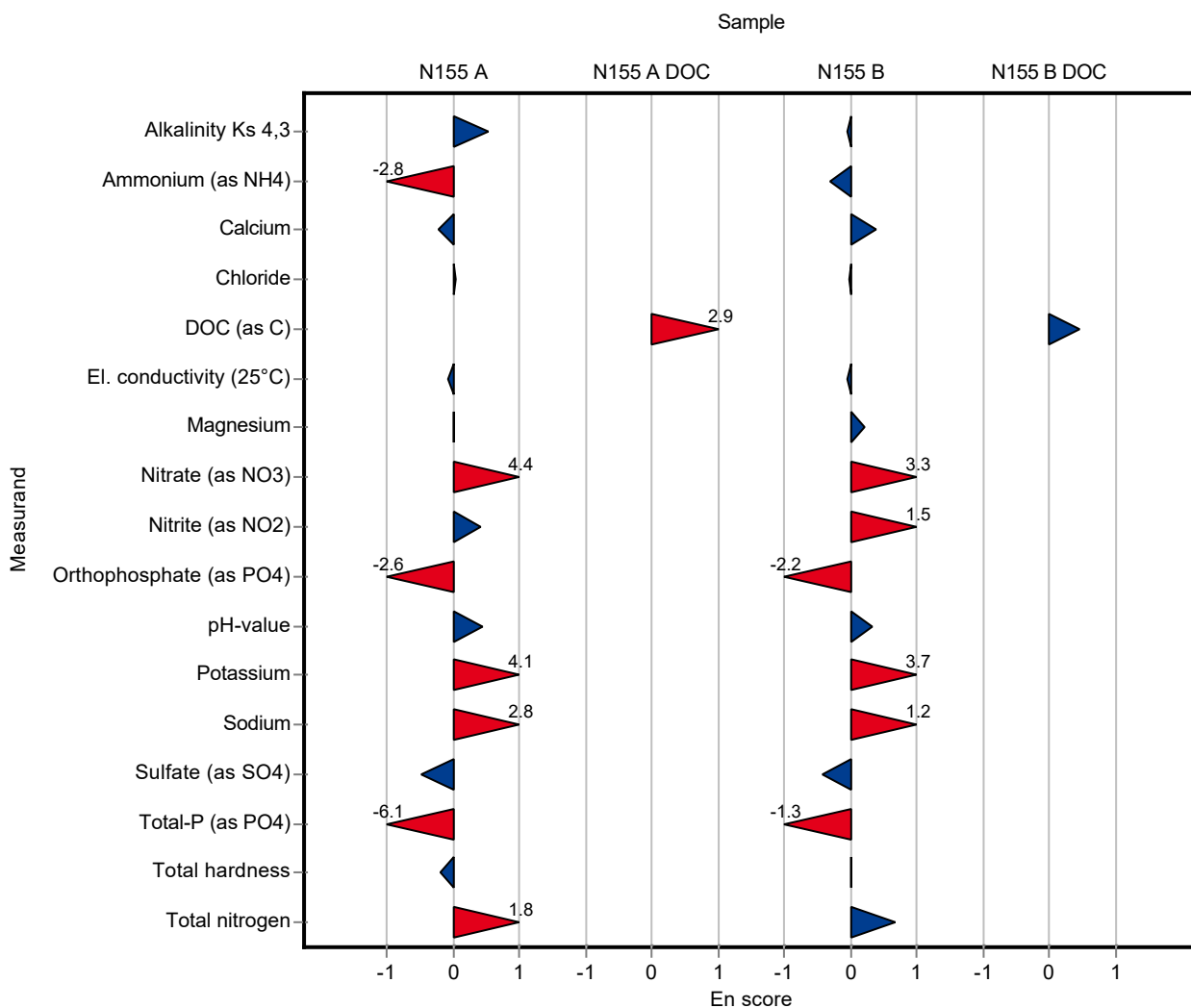
Sample: N155B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	3.11 ± 0.0171	3.1 ± 0.09	0.0622	99.7	-0.05
Ammonium (as NH ₄)	mg/l	0.359 ± 0.00779	0.34 ± 0.03	0.0431	94.7	-0.32
Boron	mg/l	0.0189 ± 0.000778	- ± -	0.00208	-	-
Calcium	mg/l	58.7 ± 0.681	59.4 ± 0.83	1.82	101	0.37

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Chloride	mg/l	44.2 ± 0.341	44.1 ± 1.3	1.77	99.8	-0.03
El. conductivity (25°C)	µS/cm	517 ± 1.75	516 ± 10.6	6.72	99.8	-0.05
Hydrogen carbonate	mg/l	189 ± 1.54	- ± -	3.78	-	-
Magnesium	mg/l	12.5 ± 0.185	12.6 ± 0.16	0.501	101	0.21
Nitrate (as NO ₃)	mg/l	20.1 ± 0.156	20.9 ± 0.09	1.01	104	3.30
Nitrite (as NO ₂)	mg/l	0.24 ± 0.00384	0.27 ± 0.01	0.0127	113	1.48
Orthophosphate (as PO ₄)	mg/l	0.235 ± 0.00356	0.22 ± 0.003	0.0212	93.4	-2.22
pH-value	-	7.92 ± 0.0209	7.99 ± 0.1	0.158	101	0.33
Potassium	mg/l	2.94 ± 0.0476	3.17 ± 0.02	0.153	108	3.69
Sodium	mg/l	25.6 ± 0.277	26.4 ± 0.3	0.87	103	1.24
Sulfate (as SO ₄)	mg/l	24.7 ± 0.31	23.9 ± 0.89	0.815	96.8	-0.43
Total-P (as PO ₄)	mg/l	1.1 ± 0.0151	0.884 ± 0.081	0.0824	80.5	-1.32
Total hardness	mmol/l	2 ± 0.0126	2 ± 0.1	0.0599	100	0.02
Total nitrogen	mg/l	5.05 ± 0.0813	5.14 ± 0.05	0.42	102	0.66

Sample: N155BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	4.27 ± 0.0971	4.7 ± 0.47	0.427	110	0.46



Sample: N155A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	7.28 ± 0.029	- ± -	0.146	-	-
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00275	- ± -	0.0102	-	-
Boron	mg/l	0.0534 ± 0.00214	- ± -	0.00588	-	-
Calcium	mg/l	155 ± 2	- ± -	4.82	-	-
Chloride	mg/l	85.1 ± 0.62	86.4 ± 2.59	3.4	102	0.40
El. conductivity (25°C)	µS/cm	1080 ± 4.42	1070 ± 21	14	99.2	-0.65
Hydrogen carbonate	mg/l	442 ± 1.46	- ± -	8.84	-	-
Magnesium	mg/l	36.2 ± 0.459	- ± -	1.45	-	-
Nitrate (as NO ₃)	mg/l	10.7 ± 0.126	10.7 ± 0.64	0.537	99.6	-0.07
Nitrite (as NO ₂)	mg/l	0.102 ± 0.00202	- ± -	0.00539	-	-
Orthophosphate (as PO ₄)	mg/l	0.0589 ± 0.00231	- ± -	0.0053	-	-
pH-value	-	7.73 ± 0.027	7.61 ± 0.2	0.155	98.4	-0.80
Potassium	mg/l	2.4 ± 0.0526	- ± -	0.125	-	-
Sodium	mg/l	21.5 ± 0.289	- ± -	0.73	-	-
Sulfate (as SO ₄)	mg/l	94.2 ± 1.02	95.8 ± 1.92	3.11	102	0.50
Total-P (as PO ₄)	mg/l	1.16 ± 0.0213	- ± -	0.0869	-	-
Total hardness	mmol/l	5.41 ± 0.0392	- ± -	0.162	-	-
Total nitrogen	mg/l	2.59 ± 0.0647	- ± -	0.215	-	-

Sample: N155ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.07 ± 0.0588	- ± -	0.207	-	-

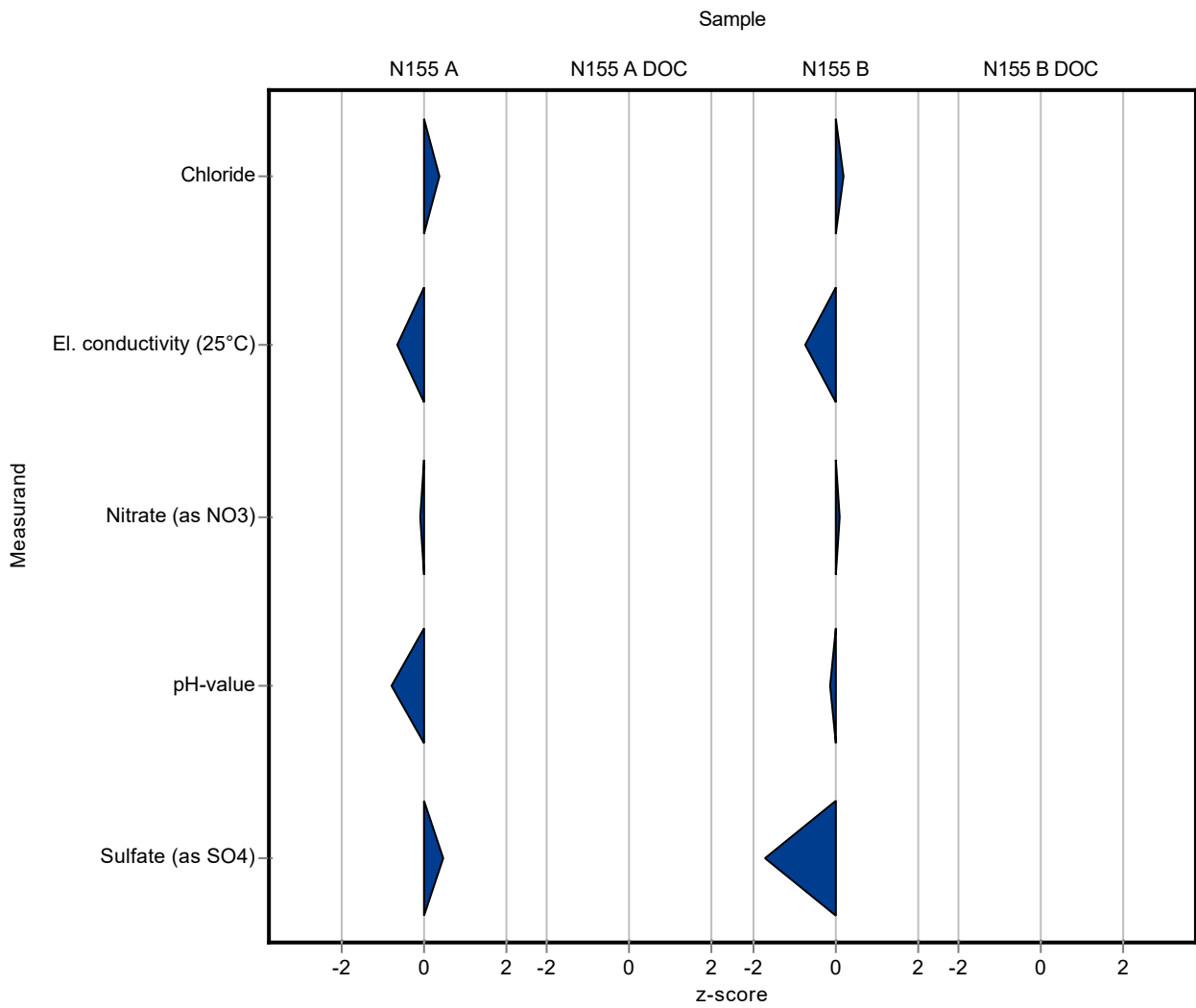
Sample: N155B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	3.11 ± 0.0171	- ± -	0.0622	-	-
Ammonium (as NH ₄)	mg/l	0.359 ± 0.00779	- ± -	0.0431	-	-
Boron	mg/l	0.0189 ± 0.000778	- ± -	0.00208	-	-
Calcium	mg/l	58.7 ± 0.681	- ± -	1.82	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Chloride	mg/l	44.2 ± 0.341	44.5 ± 1.33	1.77	101	0.18
El. conductivity (25°C)	µS/cm	517 ± 1.75	512 ± 10	6.72	99	-0.76
Hydrogen carbonate	mg/l	189 ± 1.54	- ± -	3.78	-	-
Magnesium	mg/l	12.5 ± 0.185	- ± -	0.501	-	-
Nitrate (as NO ₃)	mg/l	20.1 ± 0.156	20.2 ± 1.21	1.01	100	0.09
Nitrite (as NO ₂)	mg/l	0.24 ± 0.00384	- ± -	0.0127	-	-
Orthophosphate (as PO ₄)	mg/l	0.235 ± 0.00356	- ± -	0.0212	-	-
pH-value	-	7.92 ± 0.0209	7.9 ± 0.2	0.158	99.7	-0.15
Potassium	mg/l	2.94 ± 0.0476	- ± -	0.153	-	-
Sodium	mg/l	25.6 ± 0.277	- ± -	0.87	-	-
Sulfate (as SO ₄)	mg/l	24.7 ± 0.31	23.3 ± 0.47	0.815	94.4	-1.70
Total-P (as PO ₄)	mg/l	1.1 ± 0.0151	- ± -	0.0824	-	-
Total hardness	mmol/l	2 ± 0.0126	- ± -	0.0599	-	-
Total nitrogen	mg/l	5.05 ± 0.0813	- ± -	0.42	-	-

Sample: N155BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	4.27 ± 0.0971	- ± -	0.427	-	-



Sample: N155A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	7.28 ± 0.029	- ± -	0.146	-	-
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00275	- ± -	0.0102	-	-
Boron	mg/l	0.0534 ± 0.00214	- ± -	0.00588	-	-
Calcium	mg/l	155 ± 2	- ± -	4.82	-	-
Chloride	mg/l	85.1 ± 0.62	86.4 ± 2.59	3.4	102	0.26
El. conductivity (25°C)	µS/cm	1080 ± 4.42	1070 ± 21	14	99.2	-0.21
Hydrogen carbonate	mg/l	442 ± 1.46	- ± -	8.84	-	-
Magnesium	mg/l	36.2 ± 0.459	- ± -	1.45	-	-
Nitrate (as NO ₃)	mg/l	10.7 ± 0.126	10.7 ± 0.64	0.537	99.6	-0.03
Nitrite (as NO ₂)	mg/l	0.102 ± 0.00202	- ± -	0.00539	-	-
Orthophosphate (as PO ₄)	mg/l	0.0589 ± 0.00231	- ± -	0.0053	-	-
pH-value	-	7.73 ± 0.027	7.61 ± 0.2	0.155	98.4	-0.31
Potassium	mg/l	2.4 ± 0.0526	- ± -	0.125	-	-
Sodium	mg/l	21.5 ± 0.289	- ± -	0.73	-	-
Sulfate (as SO ₄)	mg/l	94.2 ± 1.02	95.8 ± 1.92	3.11	102	0.39
Total-P (as PO ₄)	mg/l	1.16 ± 0.0213	- ± -	0.0869	-	-
Total hardness	mmol/l	5.41 ± 0.0392	- ± -	0.162	-	-
Total nitrogen	mg/l	2.59 ± 0.0647	- ± -	0.215	-	-

Sample: N155ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	2.07 ± 0.0588	- ± -	0.207	-	-

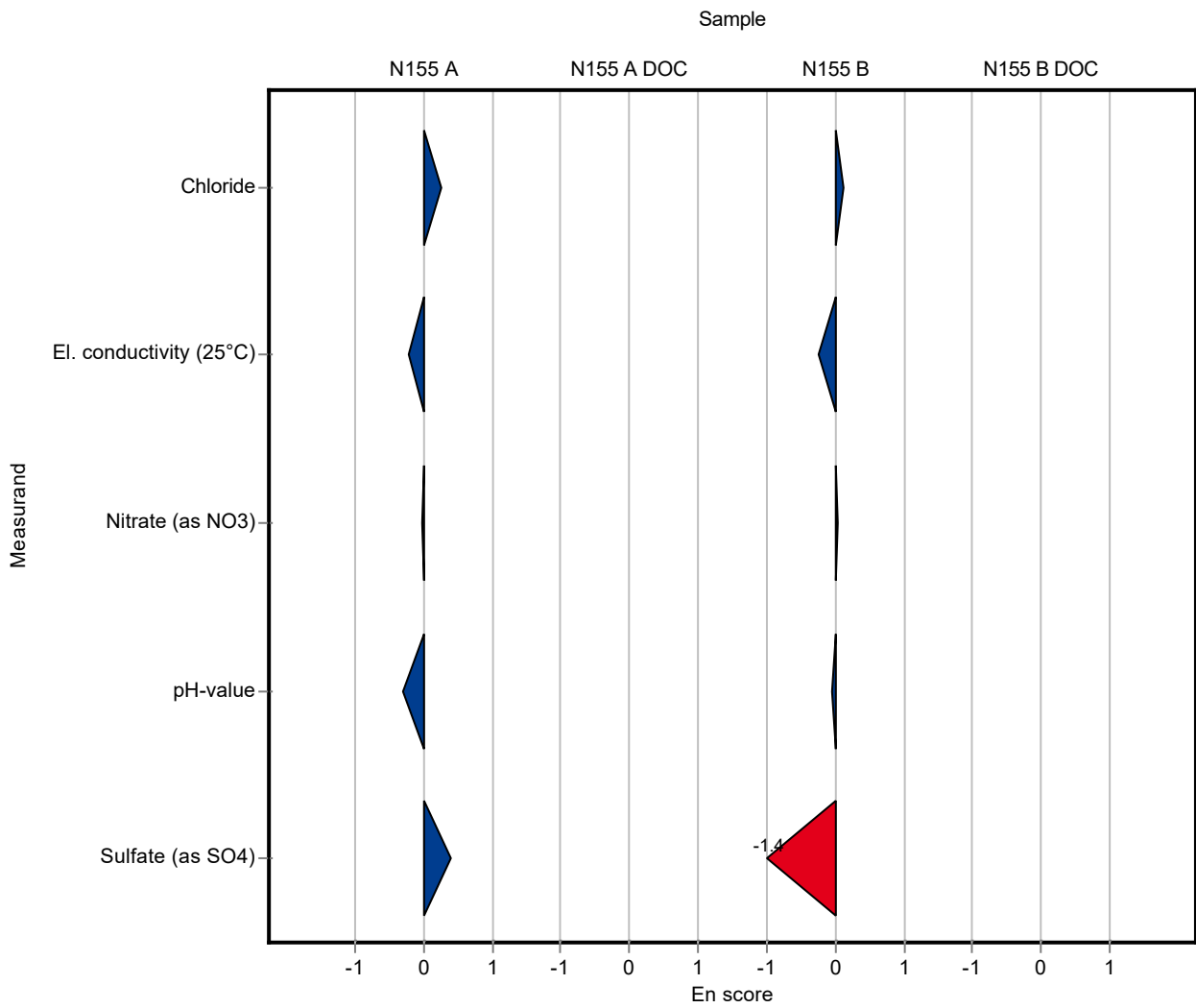
Sample: N155B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	3.11 ± 0.0171	- ± -	0.0622	-	-
Ammonium (as NH ₄)	mg/l	0.359 ± 0.00779	- ± -	0.0431	-	-
Boron	mg/l	0.0189 ± 0.000778	- ± -	0.00208	-	-
Calcium	mg/l	58.7 ± 0.681	- ± -	1.82	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Chloride	mg/l	44.2 ± 0.341	44.5 ± 1.33	1.77	101	0.12
El. conductivity (25°C)	µS/cm	517 ± 1.75	512 ± 10	6.72	99	-0.25
Hydrogen carbonate	mg/l	189 ± 1.54	- ± -	3.78	-	-
Magnesium	mg/l	12.5 ± 0.185	- ± -	0.501	-	-
Nitrate (as NO ₃)	mg/l	20.1 ± 0.156	20.2 ± 1.21	1.01	100	0.04
Nitrite (as NO ₂)	mg/l	0.24 ± 0.00384	- ± -	0.0127	-	-
Orthophosphate (as PO ₄)	mg/l	0.235 ± 0.00356	- ± -	0.0212	-	-
pH-value	-	7.92 ± 0.0209	7.9 ± 0.2	0.158	99.7	-0.06
Potassium	mg/l	2.94 ± 0.0476	- ± -	0.153	-	-
Sodium	mg/l	25.6 ± 0.277	- ± -	0.87	-	-
Sulfate (as SO ₄)	mg/l	24.7 ± 0.31	23.3 ± 0.47	0.815	94.4	-1.40
Total-P (as PO ₄)	mg/l	1.1 ± 0.0151	- ± -	0.0824	-	-
Total hardness	mmol/l	2 ± 0.0126	- ± -	0.0599	-	-
Total nitrogen	mg/l	5.05 ± 0.0813	- ± -	0.42	-	-

Sample: N155BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	4.27 ± 0.0971	- ± -	0.427	-	-



Sample: N155A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	7.28 ± 0.029	7.16 ± 0.4	0.146	98.3	-0.85
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00275	0.085 ± 0.02	0.0102	99.6	-0.03
Boron	mg/l	0.0534 ± 0.00214	0.042 ± 0.008	0.00588	78.6	-1.95
Calcium	mg/l	155 ± 2	150 ± 30	4.82	96.6	-1.11
Chloride	mg/l	85.1 ± 0.62	82 ± 12	3.4	96.4	-0.90
El. conductivity (25°C)	µS/cm	1080 ± 4.42	1040 ± 52	14	96.4	-2.78
Hydrogen carbonate	mg/l	442 ± 1.46	437 ± 22	8.84	98.9	-0.57
Magnesium	mg/l	36.2 ± 0.459	34.5 ± 7	1.45	95.3	-1.17
Nitrate (as NO ₃)	mg/l	10.7 ± 0.126	11 ± 1.7	0.537	102	0.48
Nitrite (as NO ₂)	mg/l	0.102 ± 0.00202	<0.005 (LOQ) ± -	0.00539	-	-
Orthophosphate (as PO ₄)	mg/l	0.0589 ± 0.00231	<0.1 (LOQ) ± -	0.0053	-	-
pH-value	-	7.73 ± 0.027	7.75 ± 0.4	0.155	100	0.11
Potassium	mg/l	2.4 ± 0.0526	2.3 ± 0.5	0.125	95.9	-0.78
Sodium	mg/l	21.5 ± 0.289	20.5 ± 4	0.73	95.4	-1.34
Sulfate (as SO ₄)	mg/l	94.2 ± 1.02	89 ± 13	3.11	94.4	-1.69
Total-P (as PO ₄)	mg/l	1.16 ± 0.0213	1.23 ± 0.25	0.0869	106	0.83
Total hardness	mmol/l	5.41 ± 0.0392	5.17 ± 1	0.162	95.6	-1.48
Total nitrogen	mg/l	2.59 ± 0.0647	2.5 ± 0.4	0.215	96.7	-0.40

Sample: N155ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.07 ± 0.0588	3.99 ± 0.4	0.207	192	9.24

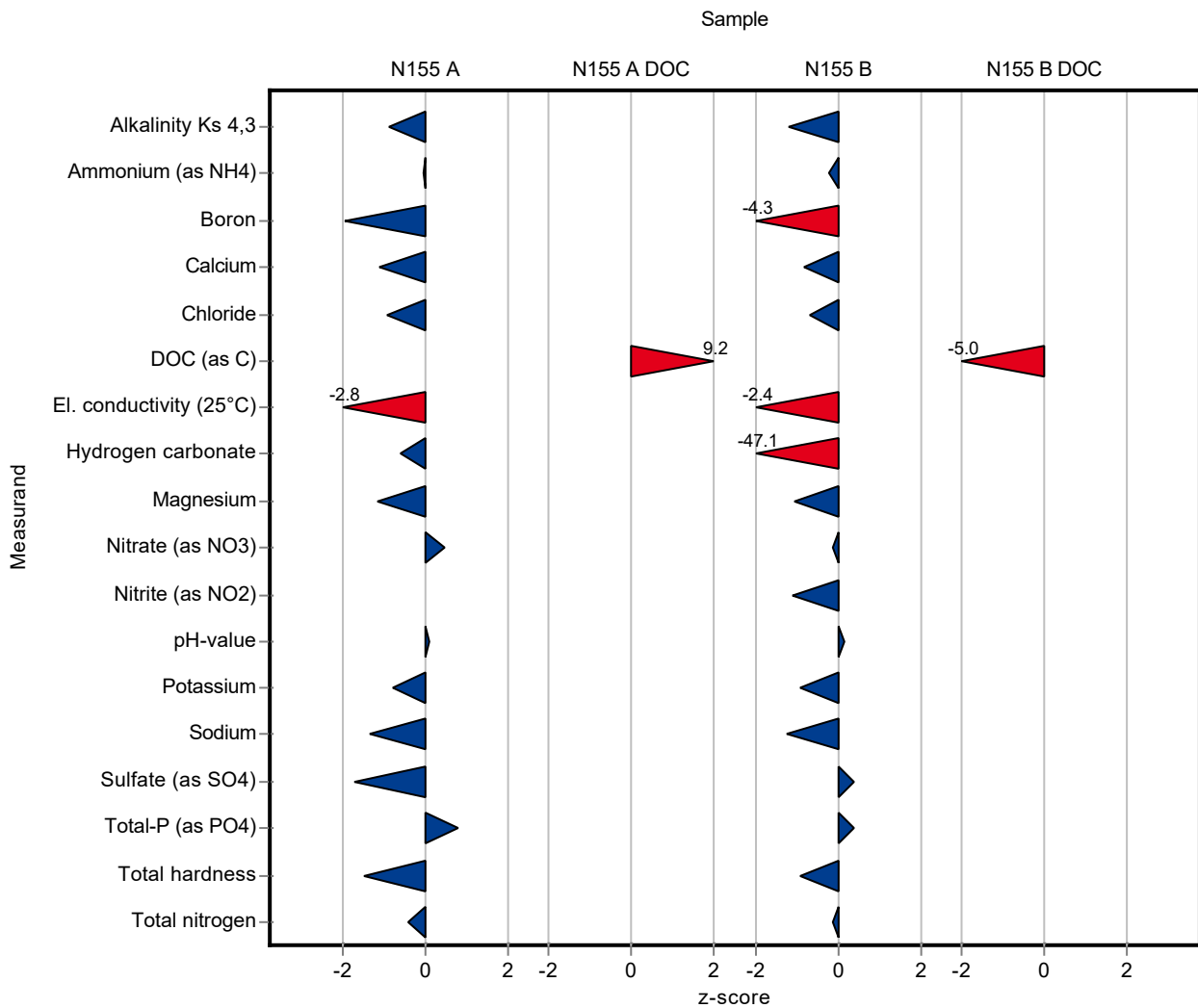
Sample: N155B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	3.11 ± 0.0171	3.035 ± 0.2	0.0622	97.6	-1.20
Ammonium (as NH ₄)	mg/l	0.359 ± 0.00779	0.35 ± 0.07	0.0431	97.4	-0.21
Boron	mg/l	0.0189 ± 0.000778	0.01 ± 0.002	0.00208	52.8	-4.29
Calcium	mg/l	58.7 ± 0.681	57.2 ± 11	1.82	97.4	-0.84

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Chloride	mg/l	44.2 ± 0.341	43 ± 6.5	1.77	97.3	-0.67
El. conductivity (25°C)	µS/cm	517 ± 1.75	501 ± 25	6.72	96.9	-2.39
Hydrogen carbonate	mg/l	189 ± 1.54	10.9 ± 9	3.78	5.77	-47.10
Magnesium	mg/l	12.5 ± 0.185	12 ± 2.4	0.501	95.8	-1.04
Nitrate (as NO ₃)	mg/l	20.1 ± 0.156	20 ± 3	1.01	99.4	-0.11
Nitrite (as NO ₂)	mg/l	0.24 ± 0.00384	0.226 ± 0.03	0.0127	94.2	-1.09
Orthophosphate (as PO ₄)	mg/l	0.235 ± 0.00356	<0.1 (LOQ) ± -	0.0212	-	-
pH-value	-	7.92 ± 0.0209	7.95 ± 0.4	0.158	100	0.17
Potassium	mg/l	2.94 ± 0.0476	2.8 ± 0.6	0.153	95.2	-0.92
Sodium	mg/l	25.6 ± 0.277	24.5 ± 5	0.87	95.8	-1.24
Sulfate (as SO ₄)	mg/l	24.7 ± 0.31	25 ± 4	0.815	101	0.39
Total-P (as PO ₄)	mg/l	1.1 ± 0.0151	1.13 ± 74	0.0824	103	0.39
Total hardness	mmol/l	2 ± 0.0126	1.94 ± 0.4	0.0599	97.2	-0.94
Total nitrogen	mg/l	5.05 ± 0.0813	5 ± 0.8	0.42	98.9	-0.13

Sample: N155BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	4.27 ± 0.0971	2.15 ± 0.8	0.427	50.4	-4.96



Sample: N155A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	7.28 ± 0.029	7.16 ± 0.4	0.146	98.3	-0.15
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00275	0.085 ± 0.02	0.0102	99.6	-0.01
Boron	mg/l	0.0534 ± 0.00214	0.042 ± 0.008	0.00588	78.6	-0.71
Calcium	mg/l	155 ± 2	150 ± 30	4.82	96.6	-0.09
Chloride	mg/l	85.1 ± 0.62	82 ± 12	3.4	96.4	-0.13
El. conductivity (25°C)	µS/cm	1080 ± 4.42	1040 ± 52	14	96.4	-0.38
Hydrogen carbonate	mg/l	442 ± 1.46	437 ± 22	8.84	98.9	-0.11
Magnesium	mg/l	36.2 ± 0.459	34.5 ± 7	1.45	95.3	-0.12
Nitrate (as NO ₃)	mg/l	10.7 ± 0.126	11 ± 1.7	0.537	102	0.08
Nitrite (as NO ₂)	mg/l	0.102 ± 0.00202	<0.005 (LOQ) ± -	0.00539	-	-
Orthophosphate (as PO ₄)	mg/l	0.0589 ± 0.00231	<0.1 (LOQ) ± -	0.0053	-	-
pH-value	-	7.73 ± 0.027	7.75 ± 0.4	0.155	100	0.02
Potassium	mg/l	2.4 ± 0.0526	2.3 ± 0.5	0.125	95.9	-0.10
Sodium	mg/l	21.5 ± 0.289	20.5 ± 4	0.73	95.4	-0.12
Sulfate (as SO ₄)	mg/l	94.2 ± 1.02	89 ± 13	3.11	94.4	-0.20
Total-P (as PO ₄)	mg/l	1.16 ± 0.0213	1.23 ± 0.25	0.0869	106	0.14
Total hardness	mmol/l	5.41 ± 0.0392	5.17 ± 1	0.162	95.6	-0.12
Total nitrogen	mg/l	2.59 ± 0.0647	2.5 ± 0.4	0.215	96.7	-0.11

Sample: N155ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	2.07 ± 0.0588	3.99 ± 0.4	0.207	192	2.39

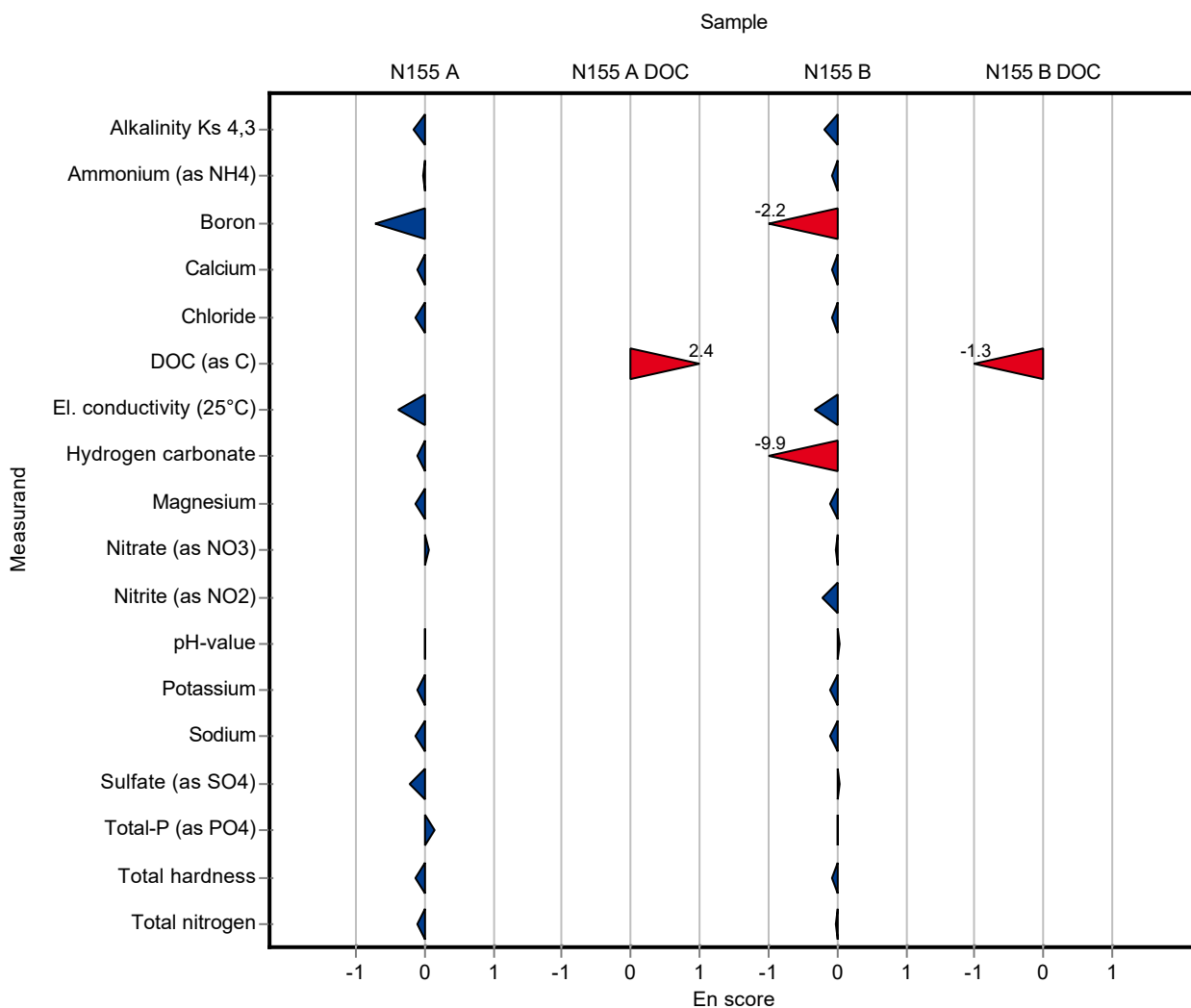
Sample: N155B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	3.11 ± 0.0171	3.035 ± 0.2	0.0622	97.6	-0.19
Ammonium (as NH ₄)	mg/l	0.359 ± 0.00779	0.35 ± 0.07	0.0431	97.4	-0.07
Boron	mg/l	0.0189 ± 0.000778	0.01 ± 0.002	0.00208	52.8	-2.20
Calcium	mg/l	58.7 ± 0.681	57.2 ± 11	1.82	97.4	-0.07

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Chloride	mg/l	44.2 ± 0.341	43 ± 6.5	1.77	97.3	-0.09
El. conductivity (25°C)	µS/cm	517 ± 1.75	501 ± 25	6.72	96.9	-0.32
Hydrogen carbonate	mg/l	189 ± 1.54	10.9 ± 9	3.78	5.77	-9.86
Magnesium	mg/l	12.5 ± 0.185	12 ± 2.4	0.501	95.8	-0.11
Nitrate (as NO ₃)	mg/l	20.1 ± 0.156	20 ± 3	1.01	99.4	-0.02
Nitrite (as NO ₂)	mg/l	0.24 ± 0.00384	0.226 ± 0.03	0.0127	94.2	-0.23
Orthophosphate (as PO ₄)	mg/l	0.235 ± 0.00356	<0.1 (LOQ) ± -	0.0212	-	-
pH-value	-	7.92 ± 0.0209	7.95 ± 0.4	0.158	100	0.03
Potassium	mg/l	2.94 ± 0.0476	2.8 ± 0.6	0.153	95.2	-0.12
Sodium	mg/l	25.6 ± 0.277	24.5 ± 5	0.87	95.8	-0.11
Sulfate (as SO ₄)	mg/l	24.7 ± 0.31	25 ± 4	0.815	101	0.04
Total-P (as PO ₄)	mg/l	1.1 ± 0.0151	1.13 ± 74	0.0824	103	0.00
Total hardness	mmol/l	2 ± 0.0126	1.94 ± 0.4	0.0599	97.2	-0.07
Total nitrogen	mg/l	5.05 ± 0.0813	5 ± 0.8	0.42	98.9	-0.03

Sample: N155BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	4.27 ± 0.0971	2.15 ± 0.8	0.427	50.4	-1.32



Sample: N155A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	7.28 ± 0.029	7.14 ± 0.357	0.146	98	-0.98
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00275	0.0698 ± 0.007	0.0102	81.8	-1.52
Boron	mg/l	0.0534 ± 0.00214	0.0491 ± 0.0123	0.00588	91.9	-0.74
Calcium	mg/l	155 ± 2	142 ± 19.88	4.82	91.4	-2.77
Chloride	mg/l	85.1 ± 0.62	101 ± 25.25	3.4	119	4.69
El. conductivity (25°C)	µS/cm	1080 ± 4.42	1070 ± 31	14	99.2	-0.65
Hydrogen carbonate	mg/l	442 ± 1.46	436 ± 21.8	8.84	98.6	-0.68
Magnesium	mg/l	36.2 ± 0.459	35.1 ± 2.8	1.45	97	-0.75
Nitrate (as NO ₃)	mg/l	10.7 ± 0.126	11.03 ± 0.441	0.537	103	0.54
Nitrite (as NO ₂)	mg/l	0.102 ± 0.00202	0.102 ± 0.02	0.00539	100	0.04
Orthophosphate (as PO ₄)	mg/l	0.0589 ± 0.00231	- ± -	0.0053	-	-
pH-value	-	7.73 ± 0.027	8.15 ± 0.0269	0.155	105	2.70
Potassium	mg/l	2.4 ± 0.0526	1.93 ± 0.193	0.125	80.5	-3.75
Sodium	mg/l	21.5 ± 0.289	19.4 ± 3.104	0.73	90.3	-2.85
Sulfate (as SO ₄)	mg/l	94.2 ± 1.02	91.3 ± 5.478	3.11	96.9	-0.95
Total-P (as PO ₄)	mg/l	1.16 ± 0.0213	- ± -	0.0869	-	-
Total hardness	mmol/l	5.41 ± 0.0392	49.8 ± 0.357	0.162	920	273.00
Total nitrogen	mg/l	2.59 ± 0.0647	2.38 ± 0.143	0.215	92	-0.96

Sample: N155ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.07 ± 0.0588	2.02 ± 0.505	0.207	97.4	-0.26

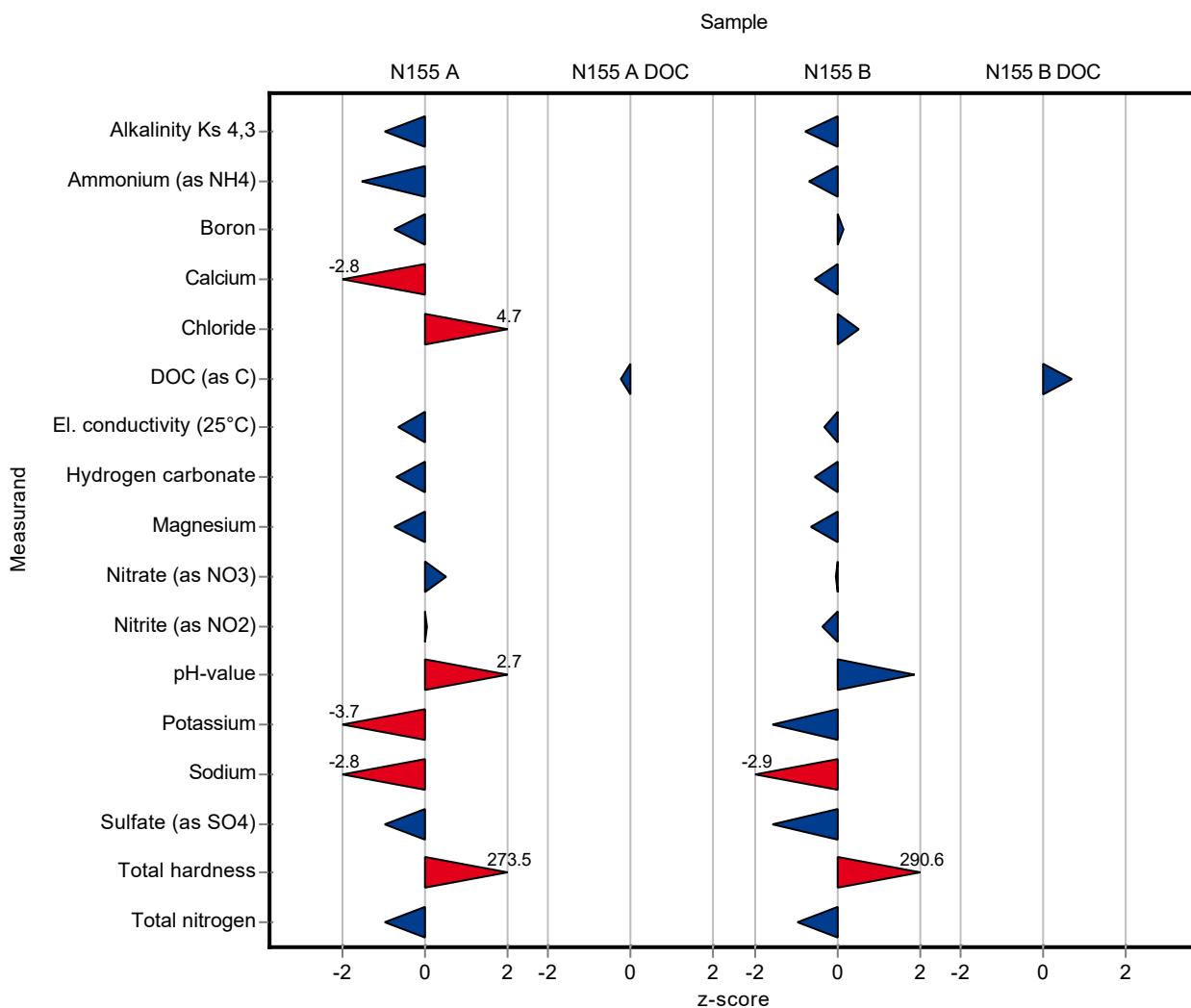
Sample: N155B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	3.11 ± 0.0171	3.06 ± 0.153	0.0622	98.4	-0.79
Ammonium (as NH ₄)	mg/l	0.359 ± 0.00779	0.329 ± 0.033	0.0431	91.6	-0.70
Boron	mg/l	0.0189 ± 0.000778	0.0193 ± 0.0048	0.00208	102	0.17
Calcium	mg/l	58.7 ± 0.681	57.7 ± 8.078	1.82	98.2	-0.57

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Chloride	mg/l	44.2 ± 0.341	45.1 ± 11.275	1.77	102	0.52
El. conductivity (25°C)	µS/cm	517 ± 1.75	515 ± 14.94	6.72	99.6	-0.31
Hydrogen carbonate	mg/l	189 ± 1.54	187 ± 9.35	3.78	98.9	-0.54
Magnesium	mg/l	12.5 ± 0.185	12.2 ± 0.976	0.501	97.4	-0.64
Nitrate (as NO ₃)	mg/l	20.1 ± 0.156	20.1 ± 0.804	1.01	99.9	-0.01
Nitrite (as NO ₂)	mg/l	0.24 ± 0.00384	0.235 ± 0.047	0.0127	98	-0.38
Orthophosphate (as PO ₄)	mg/l	0.235 ± 0.00356	- ± -	0.0212	-	-
pH-value	-	7.92 ± 0.0209	8.22 ± 0.271	0.158	104	1.87
Potassium	mg/l	2.94 ± 0.0476	2.7 ± 0.27	0.153	91.8	-1.57
Sodium	mg/l	25.6 ± 0.277	23.03 ± 3.685	0.87	90	-2.93
Sulfate (as SO ₄)	mg/l	24.7 ± 0.31	23.4 ± 1.404	0.815	94.8	-1.58
Total-P (as PO ₄)	mg/l	1.1 ± 0.0151	- ± -	0.0824	-	-
Total hardness	mmol/l	2 ± 0.0126	19.4 ± 0.97	0.0599	972	291.00
Total nitrogen	mg/l	5.05 ± 0.0813	4.65 ± 0.279	0.42	92	-0.96

Sample: N155BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	4.27 ± 0.0971	4.56 ± 1.14	0.427	107	0.69



Sample: N155A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	7.28 ± 0.029	7.14 ± 0.357	0.146	98	-0.20
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00275	0.0698 ± 0.007	0.0102	81.8	-1.09
Boron	mg/l	0.0534 ± 0.00214	0.0491 ± 0.0123	0.00588	91.9	-0.18
Calcium	mg/l	155 ± 2	142 ± 19.88	4.82	91.4	-0.34
Chloride	mg/l	85.1 ± 0.62	101 ± 25.25	3.4	119	0.32
El. conductivity (25°C)	µS/cm	1080 ± 4.42	1070 ± 31	14	99.2	-0.15
Hydrogen carbonate	mg/l	442 ± 1.46	436 ± 21.8	8.84	98.6	-0.14
Magnesium	mg/l	36.2 ± 0.459	35.1 ± 2.8	1.45	97	-0.19
Nitrate (as NO ₃)	mg/l	10.7 ± 0.126	11.03 ± 0.441	0.537	103	0.33
Nitrite (as NO ₂)	mg/l	0.102 ± 0.00202	0.102 ± 0.02	0.00539	100	0.01
Orthophosphate (as PO ₄)	mg/l	0.0589 ± 0.00231	- ± -	0.0053	-	-
pH-value	-	7.73 ± 0.027	8.15 ± 0.0269	0.155	105	6.93
Potassium	mg/l	2.4 ± 0.0526	1.93 ± 0.193	0.125	80.5	-1.20
Sodium	mg/l	21.5 ± 0.289	19.4 ± 3.104	0.73	90.3	-0.34
Sulfate (as SO ₄)	mg/l	94.2 ± 1.02	91.3 ± 5.478	3.11	96.9	-0.27
Total-P (as PO ₄)	mg/l	1.16 ± 0.0213	- ± -	0.0869	-	-
Total hardness	mmol/l	5.41 ± 0.0392	49.8 ± 0.357	0.162	920	62.10
Total nitrogen	mg/l	2.59 ± 0.0647	2.38 ± 0.143	0.215	92	-0.70

Sample: N155ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	2.07 ± 0.0588	2.02 ± 0.505	0.207	97.4	-0.05

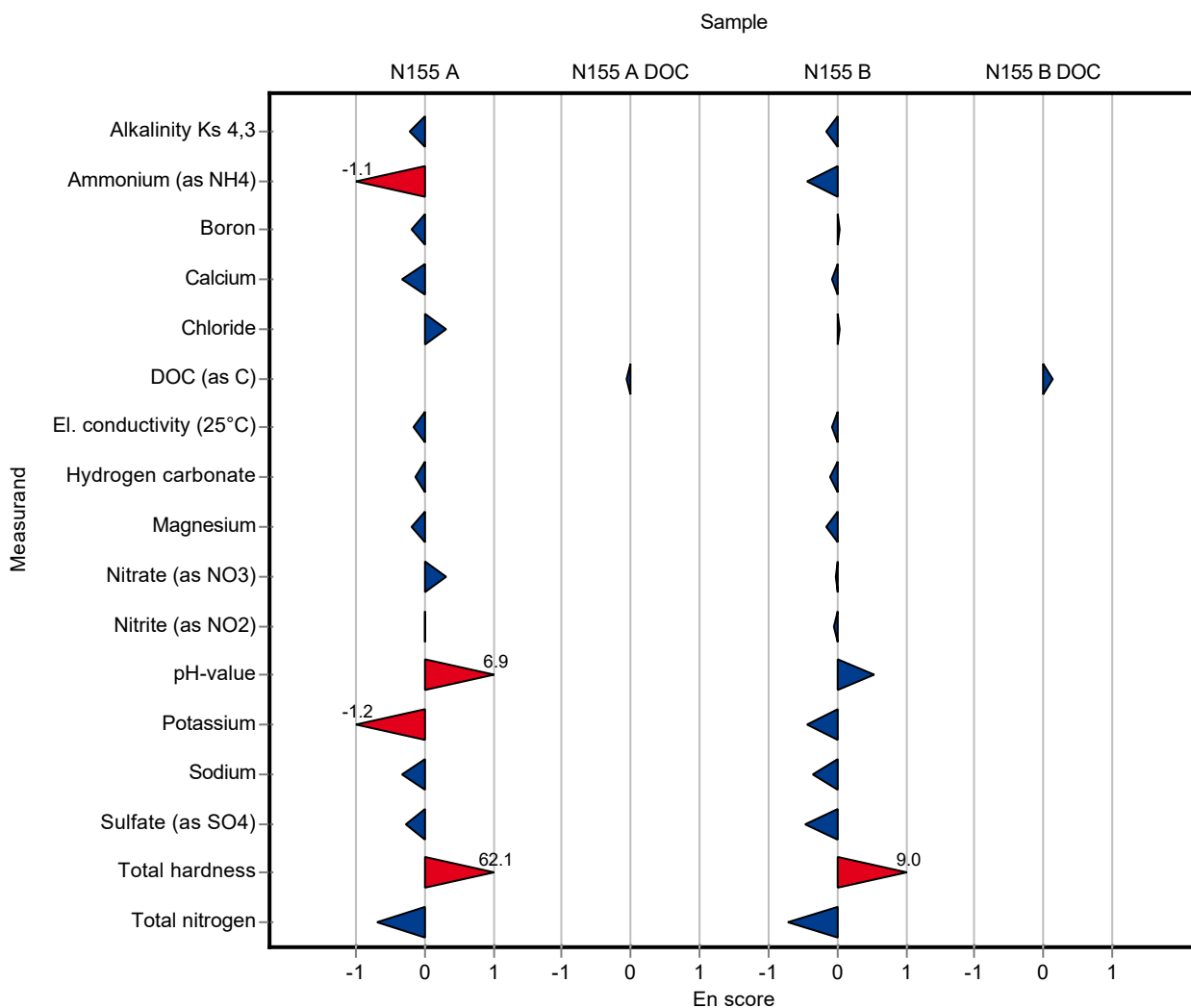
Sample: N155B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	3.11 ± 0.0171	3.06 ± 0.153	0.0622	98.4	-0.16
Ammonium (as NH ₄)	mg/l	0.359 ± 0.00779	0.329 ± 0.033	0.0431	91.6	-0.45
Boron	mg/l	0.0189 ± 0.000778	0.0193 ± 0.0048	0.00208	102	0.04
Calcium	mg/l	58.7 ± 0.681	57.7 ± 8.078	1.82	98.2	-0.06

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Chloride	mg/l	44.2 ± 0.341	45.1 ± 11.275	1.77	102	0.04
El. conductivity (25°C)	µS/cm	517 ± 1.75	515 ± 14.94	6.72	99.6	-0.07
Hydrogen carbonate	mg/l	189 ± 1.54	187 ± 9.35	3.78	98.9	-0.11
Magnesium	mg/l	12.5 ± 0.185	12.2 ± 0.976	0.501	97.4	-0.16
Nitrate (as NO ₃)	mg/l	20.1 ± 0.156	20.1 ± 0.804	1.01	99.9	-0.01
Nitrite (as NO ₂)	mg/l	0.24 ± 0.00384	0.235 ± 0.047	0.0127	98	-0.05
Orthophosphate (as PO ₄)	mg/l	0.235 ± 0.00356	- ± -	0.0212	-	-
pH-value	-	7.92 ± 0.0209	8.22 ± 0.271	0.158	104	0.55
Potassium	mg/l	2.94 ± 0.0476	2.7 ± 0.27	0.153	91.8	-0.44
Sodium	mg/l	25.6 ± 0.277	23.03 ± 3.685	0.87	90	-0.34
Sulfate (as SO ₄)	mg/l	24.7 ± 0.31	23.4 ± 1.404	0.815	94.8	-0.46
Total-P (as PO ₄)	mg/l	1.1 ± 0.0151	- ± -	0.0824	-	-
Total hardness	mmol/l	2 ± 0.0126	19.4 ± 0.97	0.0599	972	8.97
Total nitrogen	mg/l	5.05 ± 0.0813	4.65 ± 0.279	0.42	92	-0.72

Sample: N155BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	4.27 ± 0.0971	4.56 ± 1.14	0.427	107	0.13



Sample: N155A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	7.28 ± 0.029	- ± -	0.146	-	-
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00275	- ± -	0.0102	-	-
Boron	mg/l	0.0534 ± 0.00214	- ± -	0.00588	-	-
Calcium	mg/l	155 ± 2	- ± -	4.82	-	-
Chloride	mg/l	85.1 ± 0.62	- ± -	3.4	-	-
El. conductivity (25°C)	µS/cm	1080 ± 4.42	1100 ± 30	14	102	1.49
Hydrogen carbonate	mg/l	442 ± 1.46	- ± -	8.84	-	-
Magnesium	mg/l	36.2 ± 0.459	- ± -	1.45	-	-
Nitrate (as NO ₃)	mg/l	10.7 ± 0.126	- ± -	0.537	-	-
Nitrite (as NO ₂)	mg/l	0.102 ± 0.00202	- ± -	0.00539	-	-
Orthophosphate (as PO ₄)	mg/l	0.0589 ± 0.00231	- ± -	0.0053	-	-
pH-value	-	7.73 ± 0.027	7.2 ± 0.2	0.155	93.1	-3.45
Potassium	mg/l	2.4 ± 0.0526	- ± -	0.125	-	-
Sodium	mg/l	21.5 ± 0.289	- ± -	0.73	-	-
Sulfate (as SO ₄)	mg/l	94.2 ± 1.02	- ± -	3.11	-	-
Total-P (as PO ₄)	mg/l	1.16 ± 0.0213	- ± -	0.0869	-	-
Total hardness	mmol/l	5.41 ± 0.0392	- ± -	0.162	-	-
Total nitrogen	mg/l	2.59 ± 0.0647	- ± -	0.215	-	-

Sample: N155ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.07 ± 0.0588	- ± -	0.207	-	-

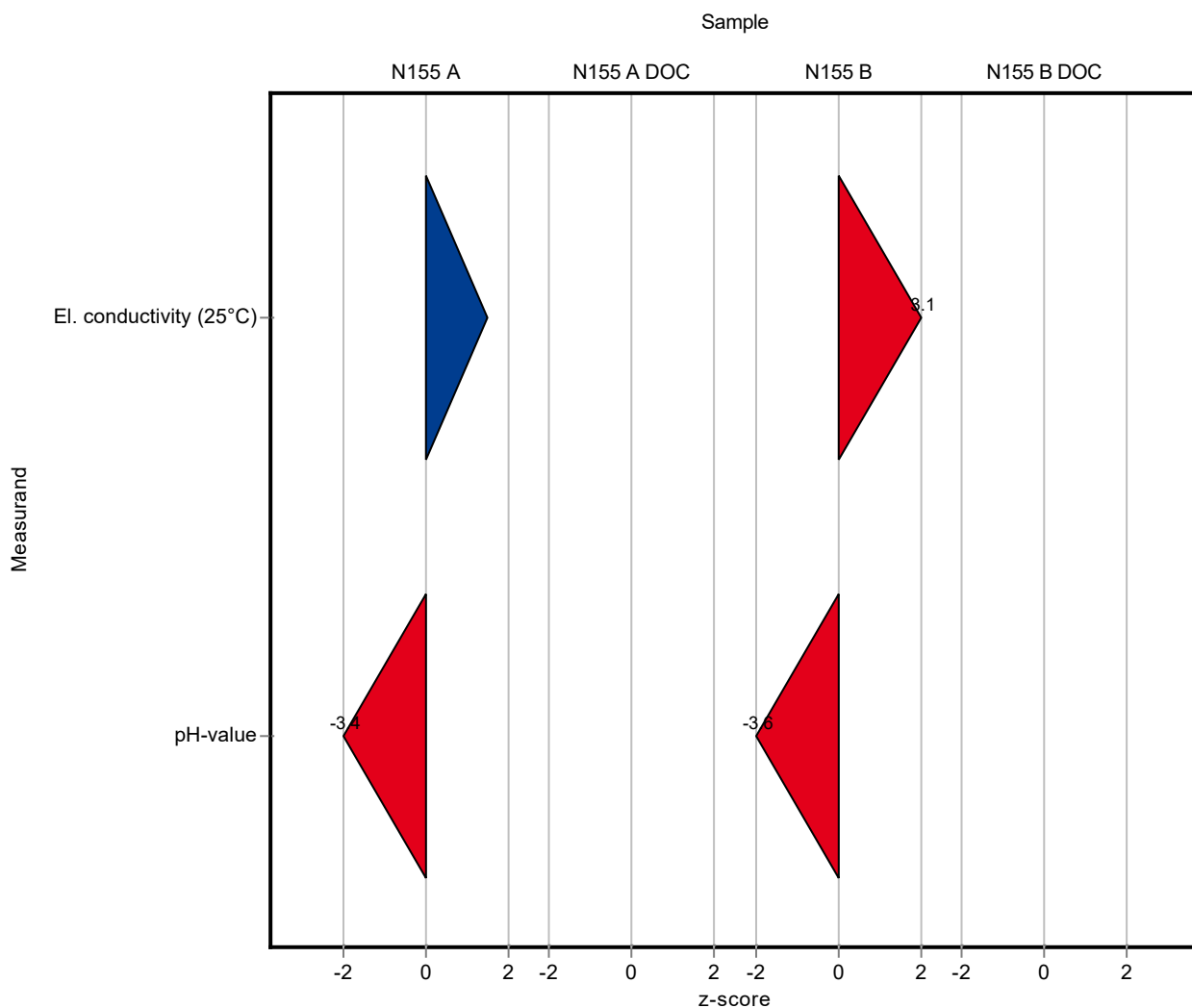
Sample: N155B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	3.11 ± 0.0171	- ± -	0.0622	-	-
Ammonium (as NH ₄)	mg/l	0.359 ± 0.00779	- ± -	0.0431	-	-
Boron	mg/l	0.0189 ± 0.000778	- ± -	0.00208	-	-
Calcium	mg/l	58.7 ± 0.681	- ± -	1.82	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Chloride	mg/l	44.2 ± 0.341	- ± -	1.77	-	-
El. conductivity (25°C)	µS/cm	517 ± 1.75	538 ± 15	6.72	104	3.11
Hydrogen carbonate	mg/l	189 ± 1.54	- ± -	3.78	-	-
Magnesium	mg/l	12.5 ± 0.185	- ± -	0.501	-	-
Nitrate (as NO ₃)	mg/l	20.1 ± 0.156	- ± -	1.01	-	-
Nitrite (as NO ₂)	mg/l	0.24 ± 0.00384	- ± -	0.0127	-	-
Orthophosphate (as PO ₄)	mg/l	0.235 ± 0.00356	- ± -	0.0212	-	-
pH-value	-	7.92 ± 0.0209	7.35 ± 0.2	0.158	92.8	-3.62
Potassium	mg/l	2.94 ± 0.0476	- ± -	0.153	-	-
Sodium	mg/l	25.6 ± 0.277	- ± -	0.87	-	-
Sulfate (as SO ₄)	mg/l	24.7 ± 0.31	- ± -	0.815	-	-
Total-P (as PO ₄)	mg/l	1.1 ± 0.0151	- ± -	0.0824	-	-
Total hardness	mmol/l	2 ± 0.0126	- ± -	0.0599	-	-
Total nitrogen	mg/l	5.05 ± 0.0813	- ± -	0.42	-	-

Sample: N155BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	4.27 ± 0.0971	- ± -	0.427	-	-



Sample: N155A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	7.28 ± 0.029	- ± -	0.146	-	-
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00275	- ± -	0.0102	-	-
Boron	mg/l	0.0534 ± 0.00214	- ± -	0.00588	-	-
Calcium	mg/l	155 ± 2	- ± -	4.82	-	-
Chloride	mg/l	85.1 ± 0.62	- ± -	3.4	-	-
El. conductivity (25°C)	µS/cm	1080 ± 4.42	1100 ± 30	14	102	0.35
Hydrogen carbonate	mg/l	442 ± 1.46	- ± -	8.84	-	-
Magnesium	mg/l	36.2 ± 0.459	- ± -	1.45	-	-
Nitrate (as NO ₃)	mg/l	10.7 ± 0.126	- ± -	0.537	-	-
Nitrite (as NO ₂)	mg/l	0.102 ± 0.00202	- ± -	0.00539	-	-
Orthophosphate (as PO ₄)	mg/l	0.0589 ± 0.00231	- ± -	0.0053	-	-
pH-value	-	7.73 ± 0.027	7.2 ± 0.2	0.155	93.1	-1.33
Potassium	mg/l	2.4 ± 0.0526	- ± -	0.125	-	-
Sodium	mg/l	21.5 ± 0.289	- ± -	0.73	-	-
Sulfate (as SO ₄)	mg/l	94.2 ± 1.02	- ± -	3.11	-	-
Total-P (as PO ₄)	mg/l	1.16 ± 0.0213	- ± -	0.0869	-	-
Total hardness	mmol/l	5.41 ± 0.0392	- ± -	0.162	-	-
Total nitrogen	mg/l	2.59 ± 0.0647	- ± -	0.215	-	-

Sample: N155ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	2.07 ± 0.0588	- ± -	0.207	-	-

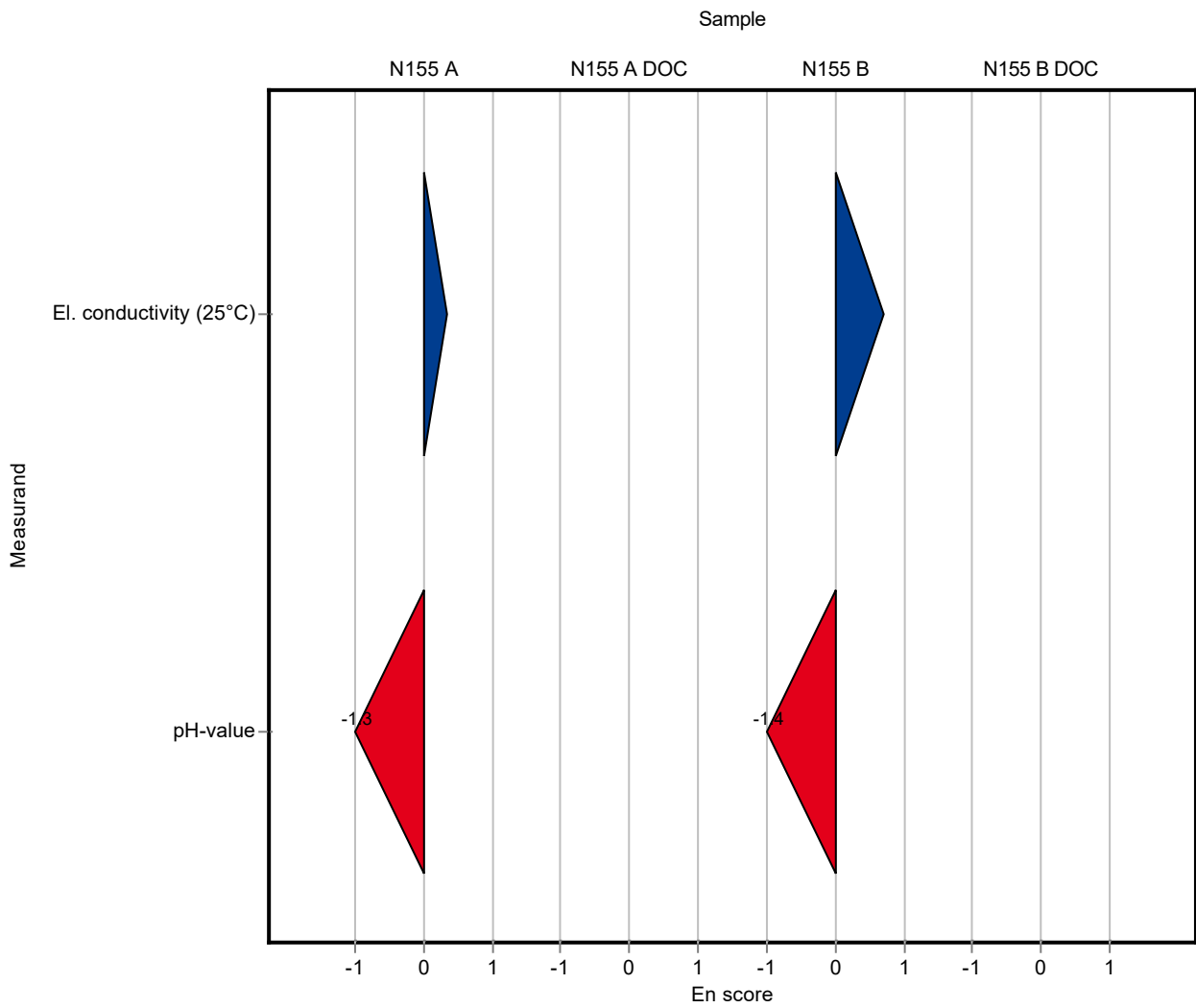
Sample: N155B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	3.11 ± 0.0171	- ± -	0.0622	-	-
Ammonium (as NH ₄)	mg/l	0.359 ± 0.00779	- ± -	0.0431	-	-
Boron	mg/l	0.0189 ± 0.000778	- ± -	0.00208	-	-
Calcium	mg/l	58.7 ± 0.681	- ± -	1.82	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Chloride	mg/l	44.2 ± 0.341	- ± -	1.77	-	-
El. conductivity (25°C)	µS/cm	517 ± 1.75	538 ± 15	6.72	104	0.70
Hydrogen carbonate	mg/l	189 ± 1.54	- ± -	3.78	-	-
Magnesium	mg/l	12.5 ± 0.185	- ± -	0.501	-	-
Nitrate (as NO ₃)	mg/l	20.1 ± 0.156	- ± -	1.01	-	-
Nitrite (as NO ₂)	mg/l	0.24 ± 0.00384	- ± -	0.0127	-	-
Orthophosphate (as PO ₄)	mg/l	0.235 ± 0.00356	- ± -	0.0212	-	-
pH-value	-	7.92 ± 0.0209	7.35 ± 0.2	0.158	92.8	-1.43
Potassium	mg/l	2.94 ± 0.0476	- ± -	0.153	-	-
Sodium	mg/l	25.6 ± 0.277	- ± -	0.87	-	-
Sulfate (as SO ₄)	mg/l	24.7 ± 0.31	- ± -	0.815	-	-
Total-P (as PO ₄)	mg/l	1.1 ± 0.0151	- ± -	0.0824	-	-
Total hardness	mmol/l	2 ± 0.0126	- ± -	0.0599	-	-
Total nitrogen	mg/l	5.05 ± 0.0813	- ± -	0.42	-	-

Sample: N155BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	4.27 ± 0.0971	- ± -	0.427	-	-



Sample: N155A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	7.28 ± 0.029	7.21 ± 0.22	0.146	99	-0.50
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00275	0.079 ± 0.0024	0.0102	92.6	-0.62
Boron	mg/l	0.0534 ± 0.00214	0.049 ± 0.0015	0.00588	91.7	-0.76
Calcium	mg/l	155 ± 2	148 ± 4.4	4.82	95.3	-1.52
Chloride	mg/l	85.1 ± 0.62	83.5 ± 2.5	3.4	98.2	-0.46
El. conductivity (25°C)	µS/cm	1080 ± 4.42	1050 ± 32	14	97.3	-2.07
Hydrogen carbonate	mg/l	442 ± 1.46	437 ± 13	8.84	98.9	-0.57
Magnesium	mg/l	36.2 ± 0.459	33.7 ± 1	1.45	93.1	-1.72
Nitrate (as NO ₃)	mg/l	10.7 ± 0.126	10.8 ± 0.32	0.537	101	0.11
Nitrite (as NO ₂)	mg/l	0.102 ± 0.00202	0.119 ± 0.0036	0.00539	117	3.19
Orthophosphate (as PO ₄)	mg/l	0.0589 ± 0.00231	0.069 ± 0.0021	0.0053	117	1.91
pH-value	-	7.73 ± 0.027	7.92 ± 0.16	0.155	102	1.21
Potassium	mg/l	2.4 ± 0.0526	2.37 ± 0.071	0.125	98.9	-0.22
Sodium	mg/l	21.5 ± 0.289	22 ± 0.66	0.73	102	0.71
Sulfate (as SO ₄)	mg/l	94.2 ± 1.02	92.3 ± 2.8	3.11	97.9	-0.63
Total-P (as PO ₄)	mg/l	1.16 ± 0.0213	1.15 ± 0.035	0.0869	99.3	-0.09
Total hardness	mmol/l	5.41 ± 0.0392	5.35 ± 0.16	0.162	98.9	-0.37
Total nitrogen	mg/l	2.59 ± 0.0647	2.63 ± 0.08	0.215	102	0.21

Sample: N155ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.07 ± 0.0588	2.18 ± 0.065	0.207	105	0.51

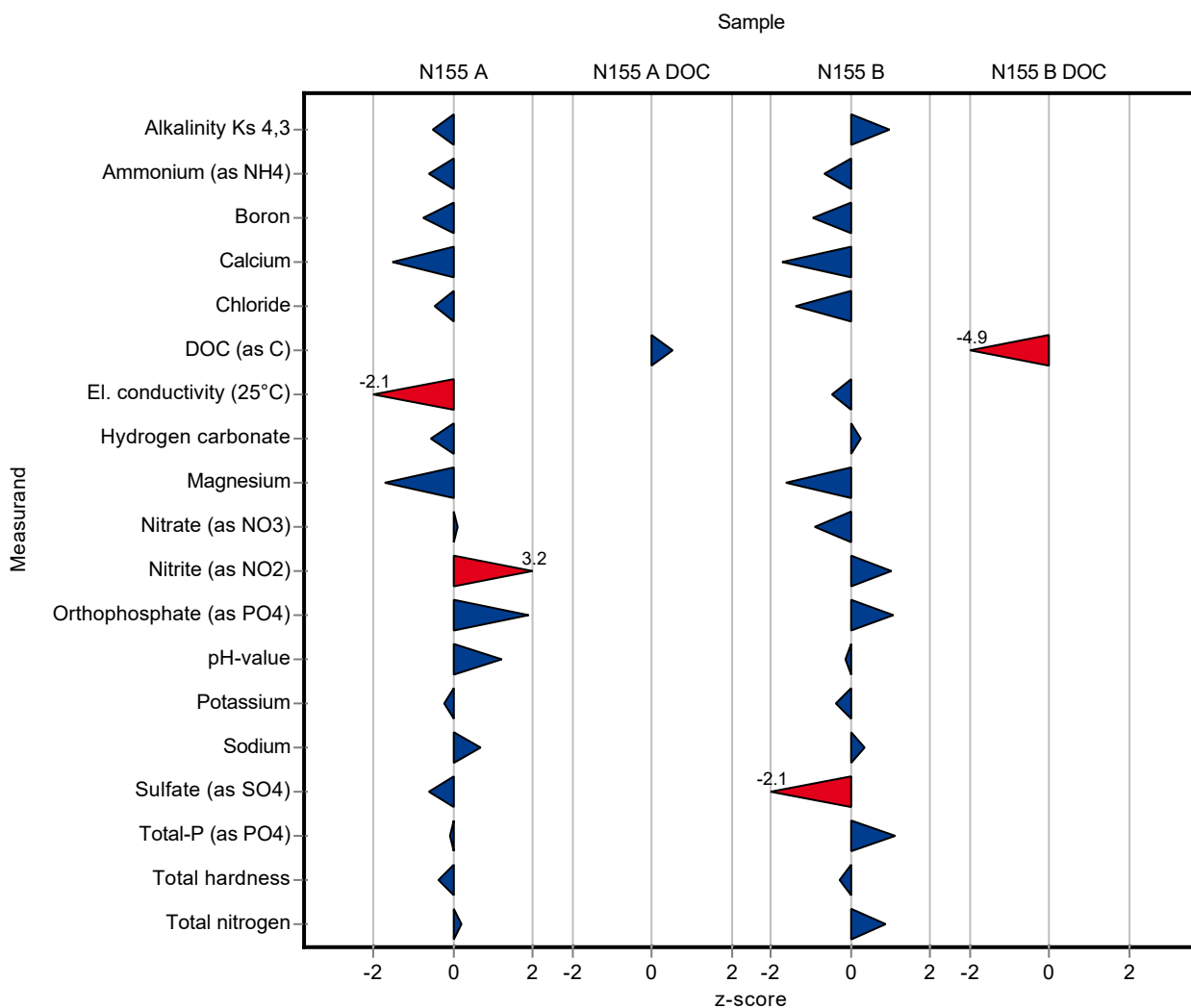
Sample: N155B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	3.11 ± 0.0171	3.17 ± 0.095	0.0622	102	0.97
Ammonium (as NH ₄)	mg/l	0.359 ± 0.00779	0.331 ± 0.099	0.0431	92.2	-0.65
Boron	mg/l	0.0189 ± 0.000778	0.017 ± 0.0005	0.00208	89.7	-0.93
Calcium	mg/l	58.7 ± 0.681	55.6 ± 1.7	1.82	94.7	-1.72

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Chloride	mg/l	44.2 ± 0.341	41.7 ± 1.3	1.77	94.4	-1.40
El. conductivity (25°C)	µS/cm	517 ± 1.75	514 ± 15	6.72	99.4	-0.46
Hydrogen carbonate	mg/l	189 ± 1.54	190 ± 5.7	3.78	101	0.26
Magnesium	mg/l	12.5 ± 0.185	11.7 ± 0.35	0.501	93.4	-1.64
Nitrate (as NO ₃)	mg/l	20.1 ± 0.156	19.2 ± 0.58	1.01	95.5	-0.91
Nitrite (as NO ₂)	mg/l	0.24 ± 0.00384	0.253 ± 0.0076	0.0127	106	1.04
Orthophosphate (as PO ₄)	mg/l	0.235 ± 0.00356	0.258 ± 0.0077	0.0212	110	1.06
pH-value	-	7.92 ± 0.0209	7.9 ± 0.16	0.158	99.7	-0.15
Potassium	mg/l	2.94 ± 0.0476	2.88 ± 0.086	0.153	97.9	-0.40
Sodium	mg/l	25.6 ± 0.277	25.9 ± 0.78	0.87	101	0.37
Sulfate (as SO ₄)	mg/l	24.7 ± 0.31	23 ± 0.69	0.815	93.2	-2.07
Total-P (as PO ₄)	mg/l	1.1 ± 0.0151	1.19 ± 0.036	0.0824	108	1.12
Total hardness	mmol/l	2 ± 0.0126	1.98 ± 1.98	0.0599	99.2	-0.27
Total nitrogen	mg/l	5.05 ± 0.0813	5.42 ± 0.16	0.42	107	0.87

Sample: N155BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	4.27 ± 0.0971	2.18 ± 0.13	0.427	51.1	-4.89



Sample: N155A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	7.28 ± 0.029	7.21 ± 0.22	0.146	99	-0.17
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00275	0.079 ± 0.0024	0.0102	92.6	-1.15
Boron	mg/l	0.0534 ± 0.00214	0.049 ± 0.0015	0.00588	91.7	-1.21
Calcium	mg/l	155 ± 2	148 ± 4.4	4.82	95.3	-0.81
Chloride	mg/l	85.1 ± 0.62	83.5 ± 2.5	3.4	98.2	-0.31
El. conductivity (25°C)	µS/cm	1080 ± 4.42	1050 ± 32	14	97.3	-0.45
Hydrogen carbonate	mg/l	442 ± 1.46	437 ± 13	8.84	98.9	-0.19
Magnesium	mg/l	36.2 ± 0.459	33.7 ± 1	1.45	93.1	-1.21
Nitrate (as NO ₃)	mg/l	10.7 ± 0.126	10.8 ± 0.32	0.537	101	0.09
Nitrite (as NO ₂)	mg/l	0.102 ± 0.00202	0.119 ± 0.0036	0.00539	117	2.30
Orthophosphate (as PO ₄)	mg/l	0.0589 ± 0.00231	0.069 ± 0.0021	0.0053	117	2.11
pH-value	-	7.73 ± 0.027	7.92 ± 0.16	0.155	102	0.58
Potassium	mg/l	2.4 ± 0.0526	2.37 ± 0.071	0.125	98.9	-0.18
Sodium	mg/l	21.5 ± 0.289	22 ± 0.66	0.73	102	0.38
Sulfate (as SO ₄)	mg/l	94.2 ± 1.02	92.3 ± 2.8	3.11	97.9	-0.34
Total-P (as PO ₄)	mg/l	1.16 ± 0.0213	1.15 ± 0.035	0.0869	99.3	-0.11
Total hardness	mmol/l	5.41 ± 0.0392	5.35 ± 0.16	0.162	98.9	-0.19
Total nitrogen	mg/l	2.59 ± 0.0647	2.63 ± 0.08	0.215	102	0.26

Sample: N155ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	2.07 ± 0.0588	2.18 ± 0.065	0.207	105	0.74

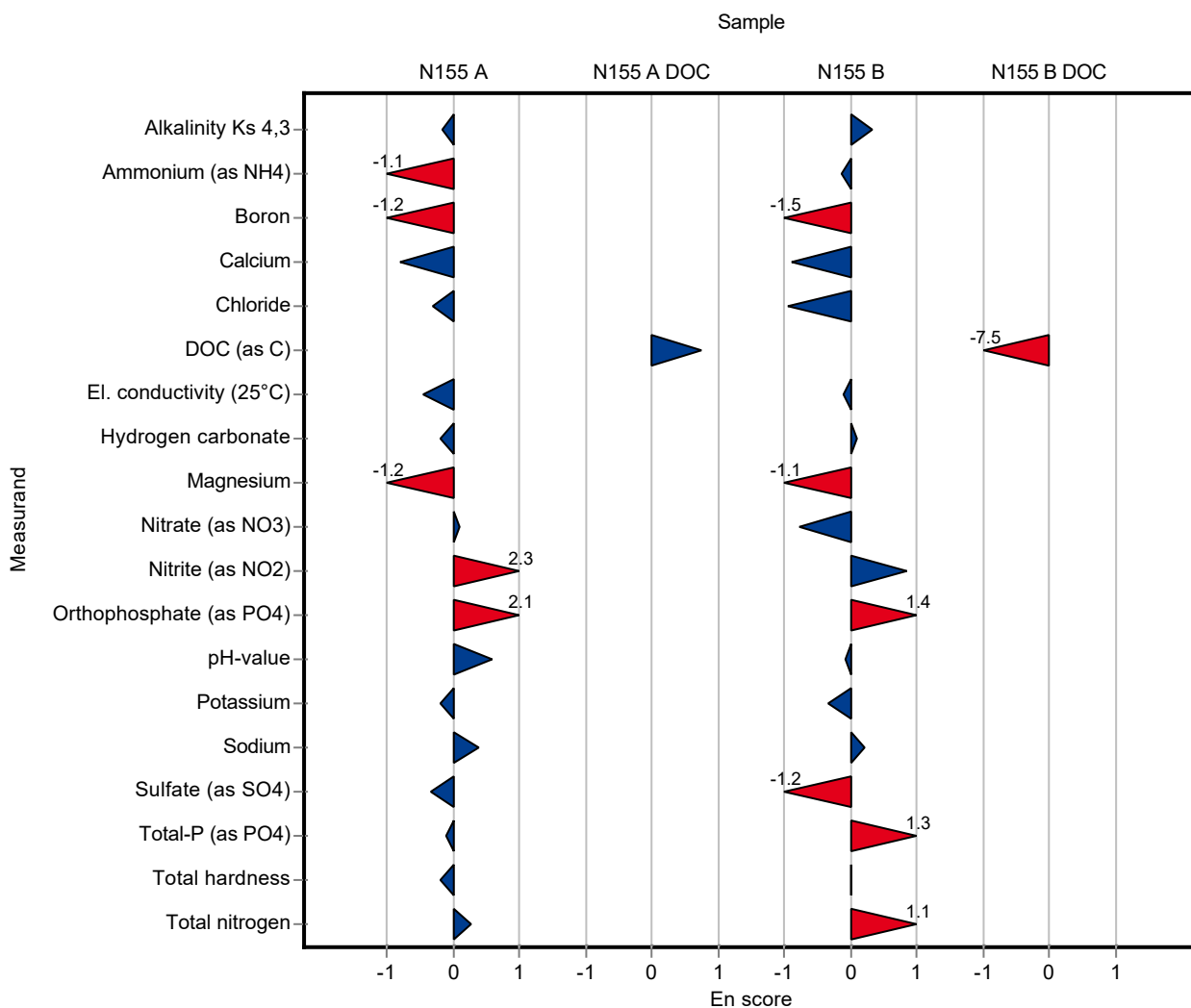
Sample: N155B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	3.11 ± 0.0171	3.17 ± 0.095	0.0622	102	0.32
Ammonium (as NH ₄)	mg/l	0.359 ± 0.00779	0.331 ± 0.099	0.0431	92.2	-0.14
Boron	mg/l	0.0189 ± 0.000778	0.017 ± 0.0005	0.00208	89.7	-1.54
Calcium	mg/l	58.7 ± 0.681	55.6 ± 1.7	1.82	94.7	-0.91

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Chloride	mg/l	44.2 ± 0.341	41.7 ± 1.3	1.77	94.4	-0.95
El. conductivity (25°C)	µS/cm	517 ± 1.75	514 ± 15	6.72	99.4	-0.10
Hydrogen carbonate	mg/l	189 ± 1.54	190 ± 5.7	3.78	101	0.08
Magnesium	mg/l	12.5 ± 0.185	11.7 ± 0.35	0.501	93.4	-1.14
Nitrate (as NO ₃)	mg/l	20.1 ± 0.156	19.2 ± 0.58	1.01	95.5	-0.78
Nitrite (as NO ₂)	mg/l	0.24 ± 0.00384	0.253 ± 0.0076	0.0127	106	0.84
Orthophosphate (as PO ₄)	mg/l	0.235 ± 0.00356	0.258 ± 0.0077	0.0212	110	1.42
pH-value	-	7.92 ± 0.0209	7.9 ± 0.16	0.158	99.7	-0.07
Potassium	mg/l	2.94 ± 0.0476	2.88 ± 0.086	0.153	97.9	-0.34
Sodium	mg/l	25.6 ± 0.277	25.9 ± 0.78	0.87	101	0.20
Sulfate (as SO ₄)	mg/l	24.7 ± 0.31	23 ± 0.69	0.815	93.2	-1.19
Total-P (as PO ₄)	mg/l	1.1 ± 0.0151	1.19 ± 0.036	0.0824	108	1.25
Total hardness	mmol/l	2 ± 0.0126	1.98 ± 1.98	0.0599	99.2	0.00
Total nitrogen	mg/l	5.05 ± 0.0813	5.42 ± 0.16	0.42	107	1.11

Sample: N155BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	4.27 ± 0.0971	2.18 ± 0.13	0.427	51.1	-7.52



Sample: N155A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	7.28 ± 0.029	- ± -	0.146	-	-
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00275	0.09 ± 0.004	0.0102	105	0.45
Boron	mg/l	0.0534 ± 0.00214	- ± -	0.00588	-	-
Calcium	mg/l	155 ± 2	- ± -	4.82	-	-
Chloride	mg/l	85.1 ± 0.62	88 ± 1.76	3.4	103	0.87
El. conductivity (25°C)	µS/cm	1080 ± 4.42	1080 ± 30	14	100	0.07
Hydrogen carbonate	mg/l	442 ± 1.46	- ± -	8.84	-	-
Magnesium	mg/l	36.2 ± 0.459	- ± -	1.45	-	-
Nitrate (as NO ₃)	mg/l	10.7 ± 0.126	11.2 ± 0.67	0.537	104	0.86
Nitrite (as NO ₂)	mg/l	0.102 ± 0.00202	0.11 ± 0.003	0.00539	108	1.53
Orthophosphate (as PO ₄)	mg/l	0.0589 ± 0.00231	0.06 ± 0.005	0.0053	102	0.21
pH-value	-	7.73 ± 0.027	7.6 ± 0.2	0.155	98.3	-0.86
Potassium	mg/l	2.4 ± 0.0526	- ± -	0.125	-	-
Sodium	mg/l	21.5 ± 0.289	- ± -	0.73	-	-
Sulfate (as SO ₄)	mg/l	94.2 ± 1.02	97.4 ± 1.95	3.11	103	1.01
Total-P (as PO ₄)	mg/l	1.16 ± 0.0213	1.12 ± 0.09	0.0869	96.7	-0.44
Total hardness	mmol/l	5.41 ± 0.0392	- ± -	0.162	-	-
Total nitrogen	mg/l	2.59 ± 0.0647	2.64 ± 0.13	0.215	102	0.25

Sample: N155ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.07 ± 0.0588	2.17 ± 0.17	0.207	105	0.46

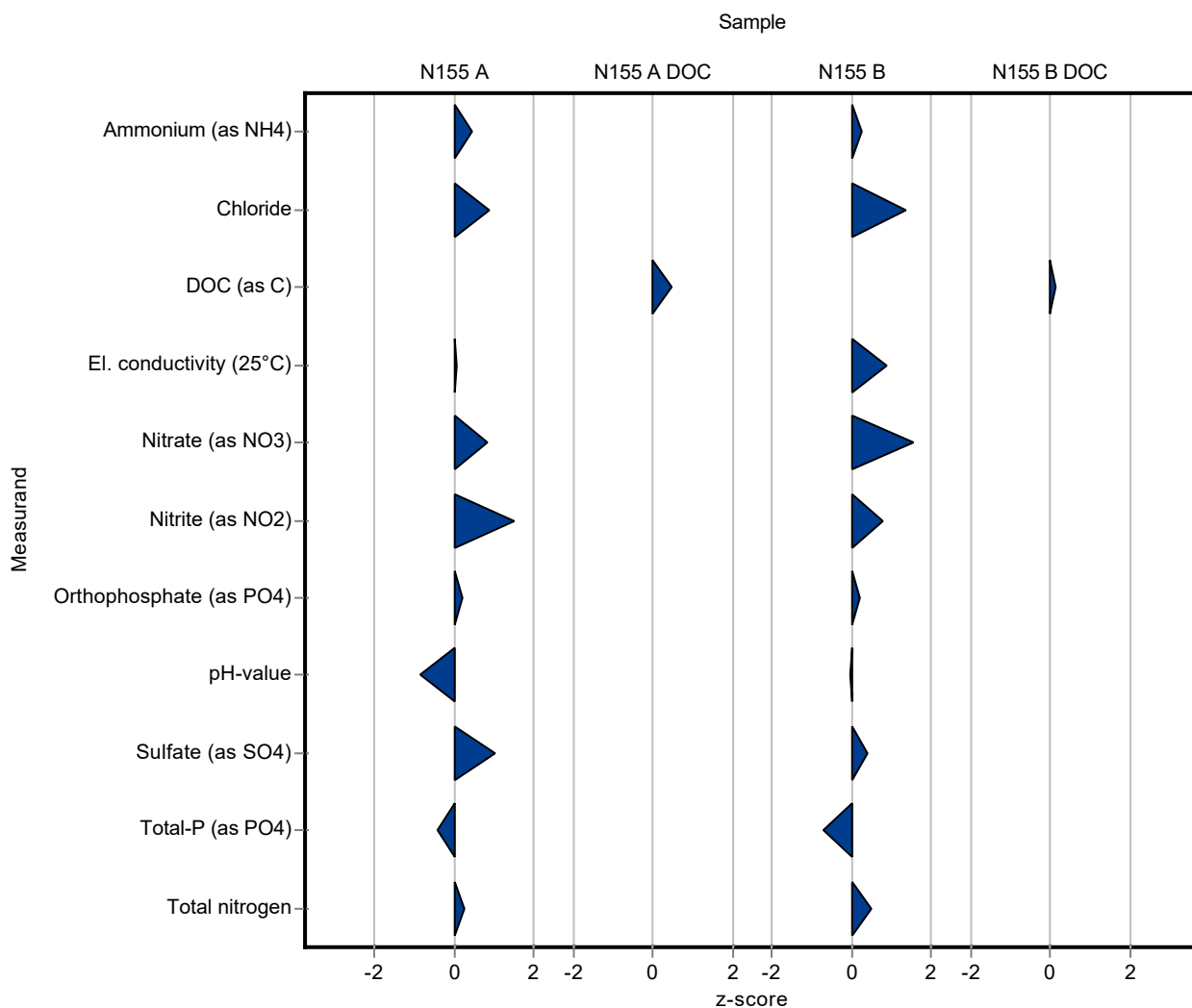
Sample: N155B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	3.11 ± 0.0171	- ± -	0.0622	-	-
Ammonium (as NH ₄)	mg/l	0.359 ± 0.00779	0.37 ± 0.018	0.0431	103	0.25
Boron	mg/l	0.0189 ± 0.000778	- ± -	0.00208	-	-
Calcium	mg/l	58.7 ± 0.681	- ± -	1.82	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Chloride	mg/l	44.2 ± 0.341	46.6 ± 0.93	1.77	105	1.37
El. conductivity (25°C)	µS/cm	517 ± 1.75	523 ± 15	6.72	101	0.88
Hydrogen carbonate	mg/l	189 ± 1.54	- ± -	3.78	-	-
Magnesium	mg/l	12.5 ± 0.185	- ± -	0.501	-	-
Nitrate (as NO ₃)	mg/l	20.1 ± 0.156	21.7 ± 1.3	1.01	108	1.58
Nitrite (as NO ₂)	mg/l	0.24 ± 0.00384	0.25 ± 0.006	0.0127	104	0.80
Orthophosphate (as PO ₄)	mg/l	0.235 ± 0.00356	0.24 ± 0.019	0.0212	102	0.21
pH-value	-	7.92 ± 0.0209	7.92 ± 0.2	0.158	100	-0.02
Potassium	mg/l	2.94 ± 0.0476	- ± -	0.153	-	-
Sodium	mg/l	25.6 ± 0.277	- ± -	0.87	-	-
Sulfate (as SO ₄)	mg/l	24.7 ± 0.31	25 ± 0.5	0.815	101	0.39
Total-P (as PO ₄)	mg/l	1.1 ± 0.0151	1.04 ± 0.08	0.0824	94.7	-0.70
Total hardness	mmol/l	2 ± 0.0126	- ± -	0.0599	-	-
Total nitrogen	mg/l	5.05 ± 0.0813	5.27 ± 0.26	0.42	104	0.51

Sample: N155BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	4.27 ± 0.0971	4.32 ± 0.34	0.427	101	0.13



Sample: N155A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	7.28 ± 0.029	- ± -	0.146	-	-
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00275	0.09 ± 0.004	0.0102	105	0.55
Boron	mg/l	0.0534 ± 0.00214	- ± -	0.00588	-	-
Calcium	mg/l	155 ± 2	- ± -	4.82	-	-
Chloride	mg/l	85.1 ± 0.62	88 ± 1.76	3.4	103	0.82
El. conductivity (25°C)	µS/cm	1080 ± 4.42	1080 ± 30	14	100	0.02
Hydrogen carbonate	mg/l	442 ± 1.46	- ± -	8.84	-	-
Magnesium	mg/l	36.2 ± 0.459	- ± -	1.45	-	-
Nitrate (as NO ₃)	mg/l	10.7 ± 0.126	11.2 ± 0.67	0.537	104	0.34
Nitrite (as NO ₂)	mg/l	0.102 ± 0.00202	0.11 ± 0.003	0.00539	108	1.30
Orthophosphate (as PO ₄)	mg/l	0.0589 ± 0.00231	0.06 ± 0.005	0.0053	102	0.11
pH-value	-	7.73 ± 0.027	7.6 ± 0.2	0.155	98.3	-0.33
Potassium	mg/l	2.4 ± 0.0526	- ± -	0.125	-	-
Sodium	mg/l	21.5 ± 0.289	- ± -	0.73	-	-
Sulfate (as SO ₄)	mg/l	94.2 ± 1.02	97.4 ± 1.95	3.11	103	0.78
Total-P (as PO ₄)	mg/l	1.16 ± 0.0213	1.12 ± 0.09	0.0869	96.7	-0.21
Total hardness	mmol/l	5.41 ± 0.0392	- ± -	0.162	-	-
Total nitrogen	mg/l	2.59 ± 0.0647	2.64 ± 0.13	0.215	102	0.20

Sample: N155ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	2.07 ± 0.0588	2.17 ± 0.17	0.207	105	0.28

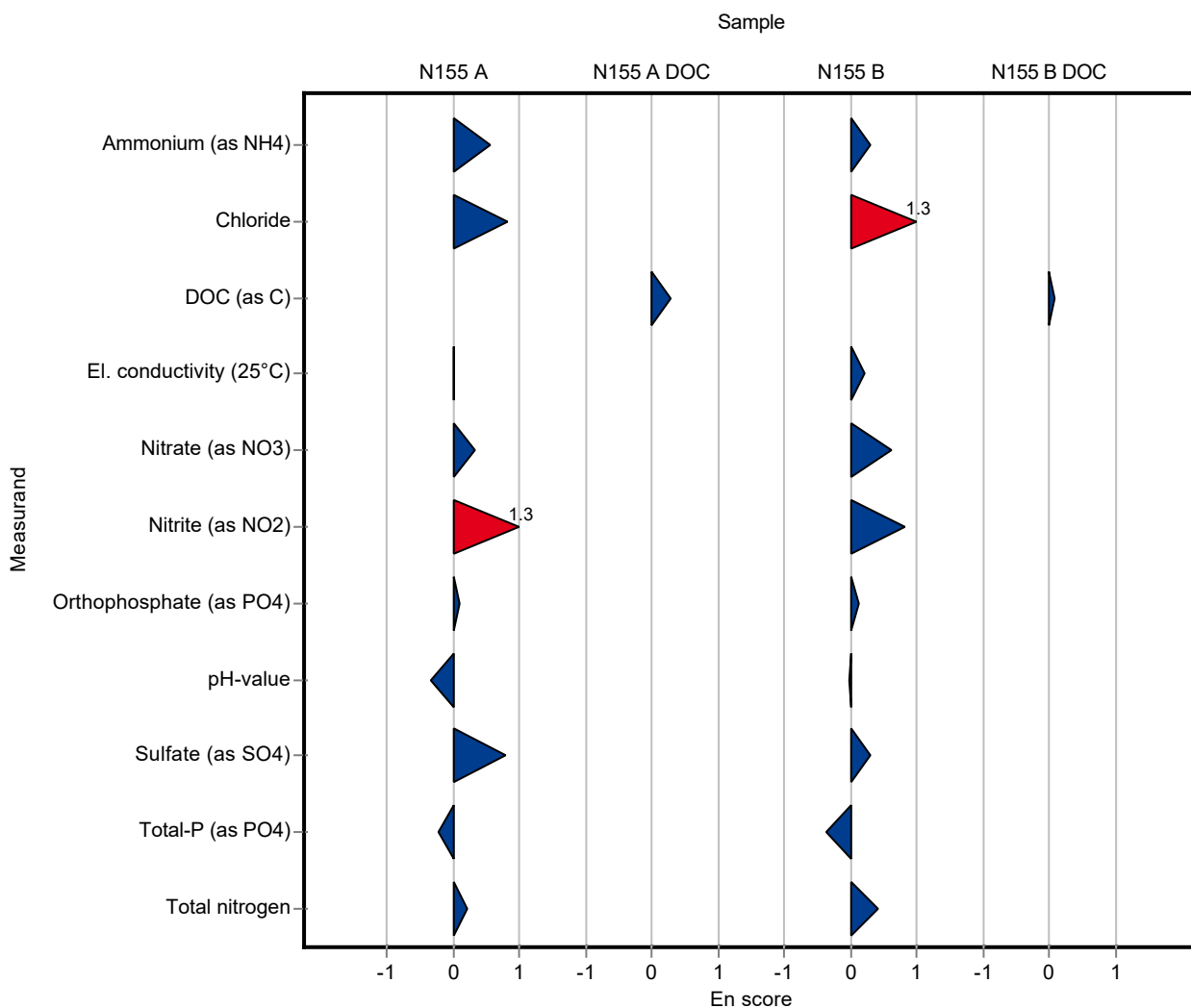
Sample: N155B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	3.11 ± 0.0171	- ± -	0.0622	-	-
Ammonium (as NH ₄)	mg/l	0.359 ± 0.00779	0.37 ± 0.018	0.0431	103	0.29
Boron	mg/l	0.0189 ± 0.000778	- ± -	0.00208	-	-
Calcium	mg/l	58.7 ± 0.681	- ± -	1.82	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Chloride	mg/l	44.2 ± 0.341	46.6 ± 0.93	1.77	105	1.28
El. conductivity (25°C)	µS/cm	517 ± 1.75	523 ± 15	6.72	101	0.20
Hydrogen carbonate	mg/l	189 ± 1.54	- ± -	3.78	-	-
Magnesium	mg/l	12.5 ± 0.185	- ± -	0.501	-	-
Nitrate (as NO ₃)	mg/l	20.1 ± 0.156	21.7 ± 1.3	1.01	108	0.61
Nitrite (as NO ₂)	mg/l	0.24 ± 0.00384	0.25 ± 0.006	0.0127	104	0.81
Orthophosphate (as PO ₄)	mg/l	0.235 ± 0.00356	0.24 ± 0.019	0.0212	102	0.12
pH-value	-	7.92 ± 0.0209	7.92 ± 0.2	0.158	100	-0.01
Potassium	mg/l	2.94 ± 0.0476	- ± -	0.153	-	-
Sodium	mg/l	25.6 ± 0.277	- ± -	0.87	-	-
Sulfate (as SO ₄)	mg/l	24.7 ± 0.31	25 ± 0.5	0.815	101	0.30
Total-P (as PO ₄)	mg/l	1.1 ± 0.0151	1.04 ± 0.08	0.0824	94.7	-0.36
Total hardness	mmol/l	2 ± 0.0126	- ± -	0.0599	-	-
Total nitrogen	mg/l	5.05 ± 0.0813	5.27 ± 0.26	0.42	104	0.41

Sample: N155BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	4.27 ± 0.0971	4.32 ± 0.34	0.427	101	0.08



Sample: N155A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	7.28 ± 0.029	- ± -	0.146	-	-
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00275	0.06 ± 0.045	0.0102	70.3	-2.48
Boron	mg/l	0.0534 ± 0.00214	- ± -	0.00588	-	-
Calcium	mg/l	155 ± 2	138.77 ± 0.81	4.82	89.3	-3.44
Chloride	mg/l	85.1 ± 0.62	82.2 ± 2.49	3.4	96.6	-0.84
El. conductivity (25°C)	µS/cm	1080 ± 4.42	1078.5 ± 0.71	14	99.9	-0.04
Hydrogen carbonate	mg/l	442 ± 1.46	386.23 ± 10.12	8.84	87.4	-6.31
Magnesium	mg/l	36.2 ± 0.459	32.97 ± 1.02	1.45	91.1	-2.22
Nitrate (as NO ₃)	mg/l	10.7 ± 0.126	10.07 ± 0.42	0.537	93.8	-1.25
Nitrite (as NO ₂)	mg/l	0.102 ± 0.00202	1.01 ± 1.02	0.00539	992	168.00
Orthophosphate (as PO ₄)	mg/l	0.0589 ± 0.00231	0.45 ± 0.01	0.0053	764	73.80
pH-value	-	7.73 ± 0.027	7.75 ± 0.01	0.155	100	0.11
Potassium	mg/l	2.4 ± 0.0526	2.17 ± 0.33	0.125	90.5	-1.82
Sodium	mg/l	21.5 ± 0.289	21.03 ± 0.44	0.73	97.9	-0.62
Sulfate (as SO ₄)	mg/l	94.2 ± 1.02	91.56 ± 2.18	3.11	97.2	-0.86
Total-P (as PO ₄)	mg/l	1.16 ± 0.0213	1.23 ± 0.01	0.0869	106	0.83
Total hardness	mmol/l	5.41 ± 0.0392	- ± -	0.162	-	-
Total nitrogen	mg/l	2.59 ± 0.0647	- ± -	0.215	-	-

Sample: N155ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.07 ± 0.0588	1.86 ± 0.04	0.207	89.7	-1.03

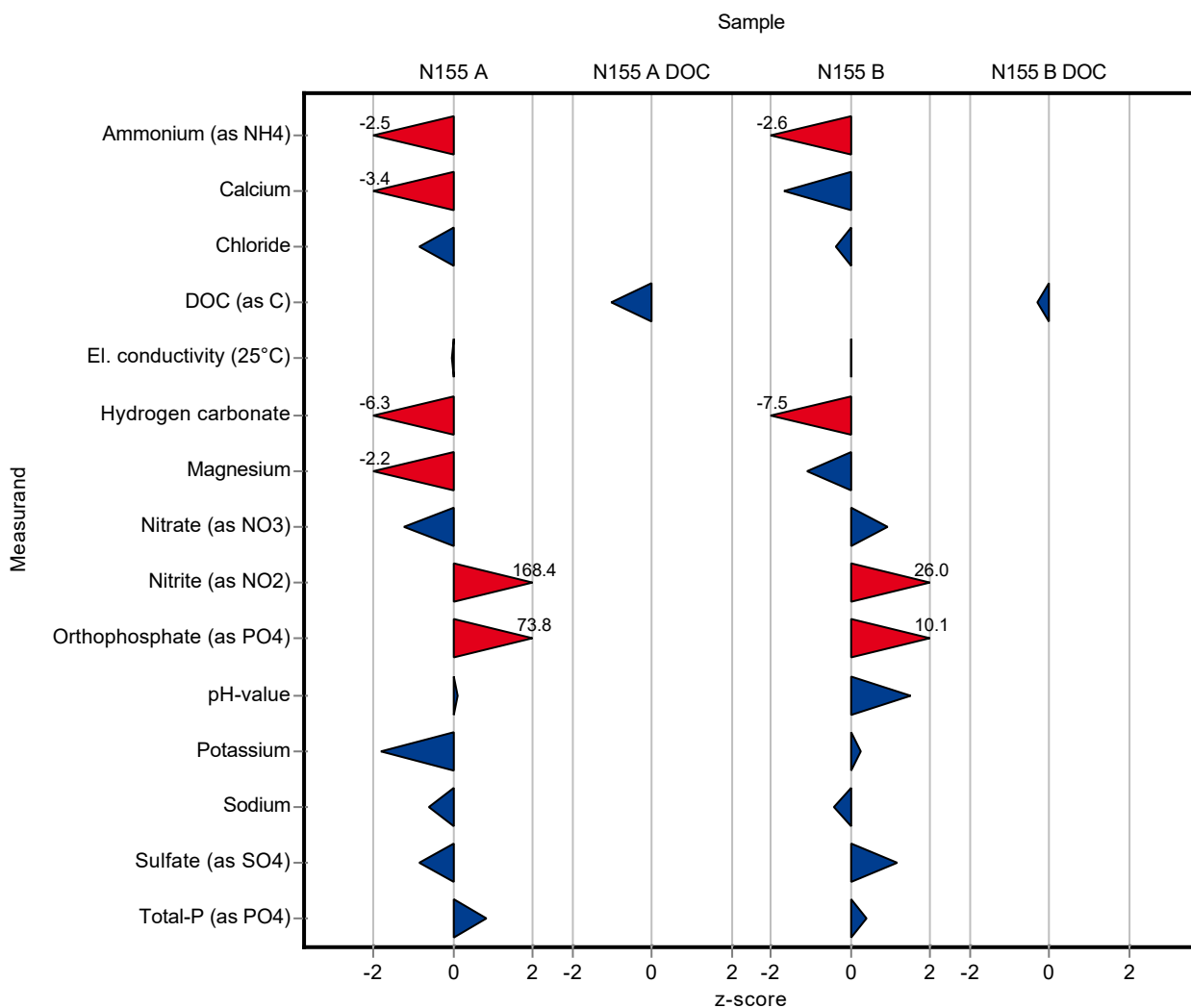
Sample: N155B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	3.11 ± 0.0171	- ± -	0.0622	-	-
Ammonium (as NH ₄)	mg/l	0.359 ± 0.00779	0.248 ± 0.016	0.0431	69	-2.58
Boron	mg/l	0.0189 ± 0.000778	- ± -	0.00208	-	-
Calcium	mg/l	58.7 ± 0.681	55.68 ± 0.22	1.82	94.8	-1.68

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Chloride	mg/l	44.2 ± 0.341	43.53 ± 0.57	1.77	98.5	-0.37
El. conductivity (25°C)	µS/cm	517 ± 1.75	517 ± 0.01	6.72	100	-0.01
Hydrogen carbonate	mg/l	189 ± 1.54	160.68 ± 6.35	3.78	85	-7.50
Magnesium	mg/l	12.5 ± 0.185	11.97 ± 0.13	0.501	95.6	-1.10
Nitrate (as NO ₃)	mg/l	20.1 ± 0.156	21.05 ± 1.61	1.01	105	0.93
Nitrite (as NO ₂)	mg/l	0.24 ± 0.00384	0.57 ± 0.02	0.0127	238	26.00
Orthophosphate (as PO ₄)	mg/l	0.235 ± 0.00356	0.45 ± 0.01	0.0212	191	10.10
pH-value	-	7.92 ± 0.0209	8.16 ± 0.01	0.158	103	1.49
Potassium	mg/l	2.94 ± 0.0476	2.98 ± 0.01	0.153	101	0.26
Sodium	mg/l	25.6 ± 0.277	25.21 ± 0.41	0.87	98.6	-0.42
Sulfate (as SO ₄)	mg/l	24.7 ± 0.31	25.62 ± 0.89	0.815	104	1.15
Total-P (as PO ₄)	mg/l	1.1 ± 0.0151	1.13 ± 0.01	0.0824	103	0.39
Total hardness	mmol/l	2 ± 0.0126	- ± -	0.0599	-	-
Total nitrogen	mg/l	5.05 ± 0.0813	- ± -	0.42	-	-

Sample: N155BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	4.27 ± 0.0971	4.14 ± 0.11	0.427	97	-0.29



Sample: N155A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	7.28 ± 0.029	- ± -	0.146	-	-
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00275	0.06 ± 0.045	0.0102	70.3	-0.28
Boron	mg/l	0.0534 ± 0.00214	- ± -	0.00588	-	-
Calcium	mg/l	155 ± 2	138.77 ± 0.81	4.82	89.3	-6.43
Chloride	mg/l	85.1 ± 0.62	82.2 ± 2.49	3.4	96.6	-0.57
El. conductivity (25°C)	µS/cm	1080 ± 4.42	1078.5 ± 0.71	14	99.9	-0.12
Hydrogen carbonate	mg/l	442 ± 1.46	386.23 ± 10.12	8.84	87.4	-2.75
Magnesium	mg/l	36.2 ± 0.459	32.97 ± 1.02	1.45	91.1	-1.54
Nitrate (as NO ₃)	mg/l	10.7 ± 0.126	10.07 ± 0.42	0.537	93.8	-0.79
Nitrite (as NO ₂)	mg/l	0.102 ± 0.00202	1.01 ± 1.02	0.00539	992	0.45
Orthophosphate (as PO ₄)	mg/l	0.0589 ± 0.00231	0.45 ± 0.01	0.0053	764	19.40
pH-value	-	7.73 ± 0.027	7.75 ± 0.01	0.155	100	0.51
Potassium	mg/l	2.4 ± 0.0526	2.17 ± 0.33	0.125	90.5	-0.34
Sodium	mg/l	21.5 ± 0.289	21.03 ± 0.44	0.73	97.9	-0.49
Sulfate (as SO ₄)	mg/l	94.2 ± 1.02	91.56 ± 2.18	3.11	97.2	-0.60
Total-P (as PO ₄)	mg/l	1.16 ± 0.0213	1.23 ± 0.01	0.0869	106	2.47
Total hardness	mmol/l	5.41 ± 0.0392	- ± -	0.162	-	-
Total nitrogen	mg/l	2.59 ± 0.0647	- ± -	0.215	-	-

Sample: N155ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	2.07 ± 0.0588	1.86 ± 0.04	0.207	89.7	-2.16

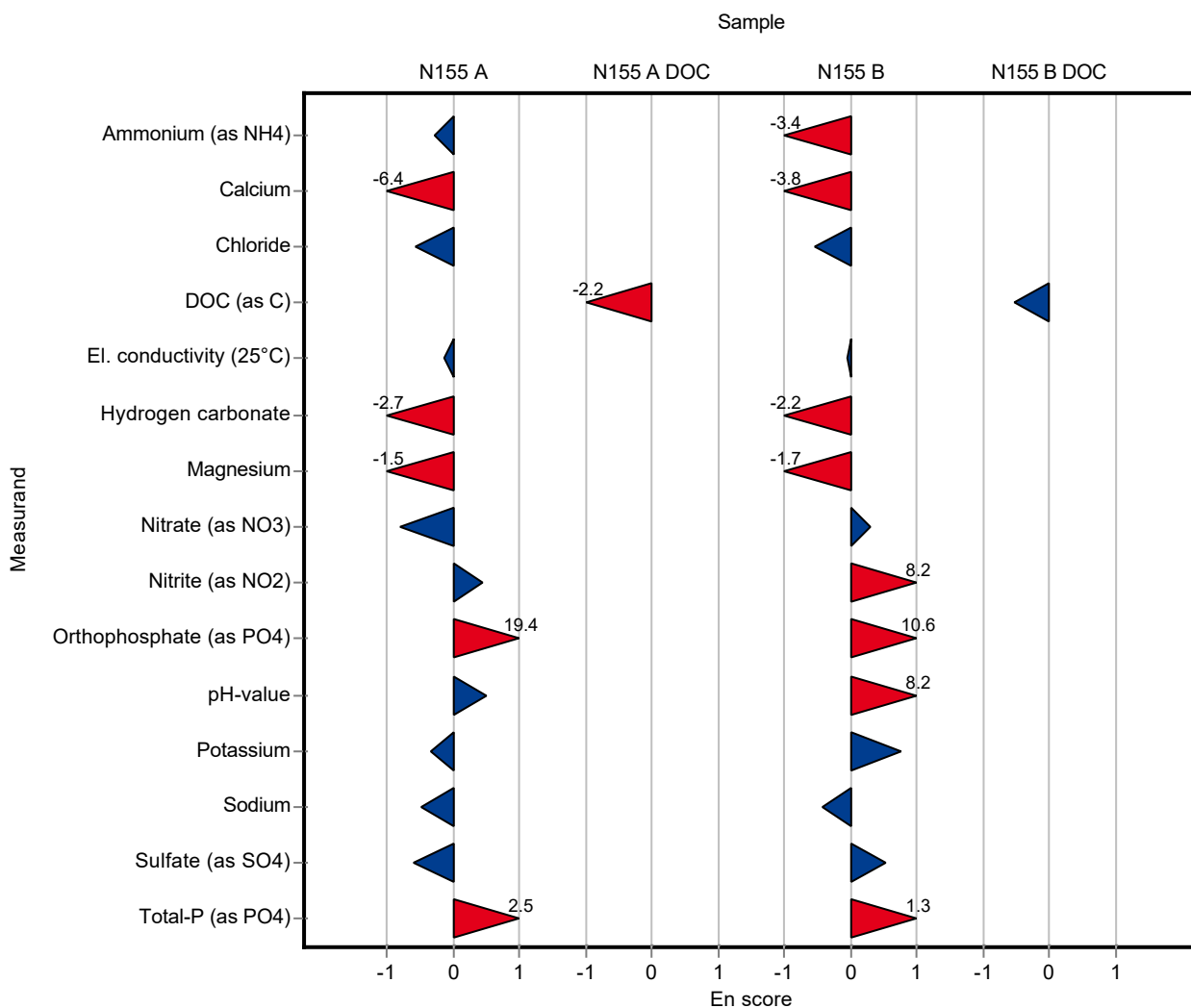
Sample: N155B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	3.11 ± 0.0171	- ± -	0.0622	-	-
Ammonium (as NH ₄)	mg/l	0.359 ± 0.00779	0.248 ± 0.016	0.0431	69	-3.38
Boron	mg/l	0.0189 ± 0.000778	- ± -	0.00208	-	-
Calcium	mg/l	58.7 ± 0.681	55.68 ± 0.22	1.82	94.8	-3.77

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Chloride	mg/l	44.2 ± 0.341	43.53 ± 0.57	1.77	98.5	-0.55
El. conductivity (25°C)	µS/cm	517 ± 1.75	517 ± 0.01	6.72	100	-0.04
Hydrogen carbonate	mg/l	189 ± 1.54	160.68 ± 6.35	3.78	85	-2.22
Magnesium	mg/l	12.5 ± 0.185	11.97 ± 0.13	0.501	95.6	-1.73
Nitrate (as NO ₃)	mg/l	20.1 ± 0.156	21.05 ± 1.61	1.01	105	0.29
Nitrite (as NO ₂)	mg/l	0.24 ± 0.00384	0.57 ± 0.02	0.0127	238	8.22
Orthophosphate (as PO ₄)	mg/l	0.235 ± 0.00356	0.45 ± 0.01	0.0212	191	10.60
pH-value	-	7.92 ± 0.0209	8.16 ± 0.01	0.158	103	8.17
Potassium	mg/l	2.94 ± 0.0476	2.98 ± 0.01	0.153	101	0.76
Sodium	mg/l	25.6 ± 0.277	25.21 ± 0.41	0.87	98.6	-0.42
Sulfate (as SO ₄)	mg/l	24.7 ± 0.31	25.62 ± 0.89	0.815	104	0.52
Total-P (as PO ₄)	mg/l	1.1 ± 0.0151	1.13 ± 0.01	0.0824	103	1.28
Total hardness	mmol/l	2 ± 0.0126	- ± -	0.0599	-	-
Total nitrogen	mg/l	5.05 ± 0.0813	- ± -	0.42	-	-

Sample: N155BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	4.27 ± 0.0971	4.14 ± 0.11	0.427	97	-0.52



Sample: N155A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	7.28 ± 0.029	- ± -	0.146	-	-
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00275	- ± -	0.0102	-	-
Boron	mg/l	0.0534 ± 0.00214	- ± -	0.00588	-	-
Calcium	mg/l	155 ± 2	- ± -	4.82	-	-
Chloride	mg/l	85.1 ± 0.62	- ± -	3.4	-	-
El. conductivity (25°C)	µS/cm	1080 ± 4.42	- ± -	14	-	-
Hydrogen carbonate	mg/l	442 ± 1.46	- ± -	8.84	-	-
Magnesium	mg/l	36.2 ± 0.459	- ± -	1.45	-	-
Nitrate (as NO ₃)	mg/l	10.7 ± 0.126	- ± -	0.537	-	-
Nitrite (as NO ₂)	mg/l	0.102 ± 0.00202	- ± -	0.00539	-	-
Orthophosphate (as PO ₄)	mg/l	0.0589 ± 0.00231	- ± -	0.0053	-	-
pH-value	-	7.73 ± 0.027	7.7 ± 0.1	0.155	99.6	-0.21
Potassium	mg/l	2.4 ± 0.0526	- ± -	0.125	-	-
Sodium	mg/l	21.5 ± 0.289	- ± -	0.73	-	-
Sulfate (as SO ₄)	mg/l	94.2 ± 1.02	- ± -	3.11	-	-
Total-P (as PO ₄)	mg/l	1.16 ± 0.0213	- ± -	0.0869	-	-
Total hardness	mmol/l	5.41 ± 0.0392	- ± -	0.162	-	-
Total nitrogen	mg/l	2.59 ± 0.0647	- ± -	0.215	-	-

Sample: N155ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.07 ± 0.0588	- ± -	0.207	-	-

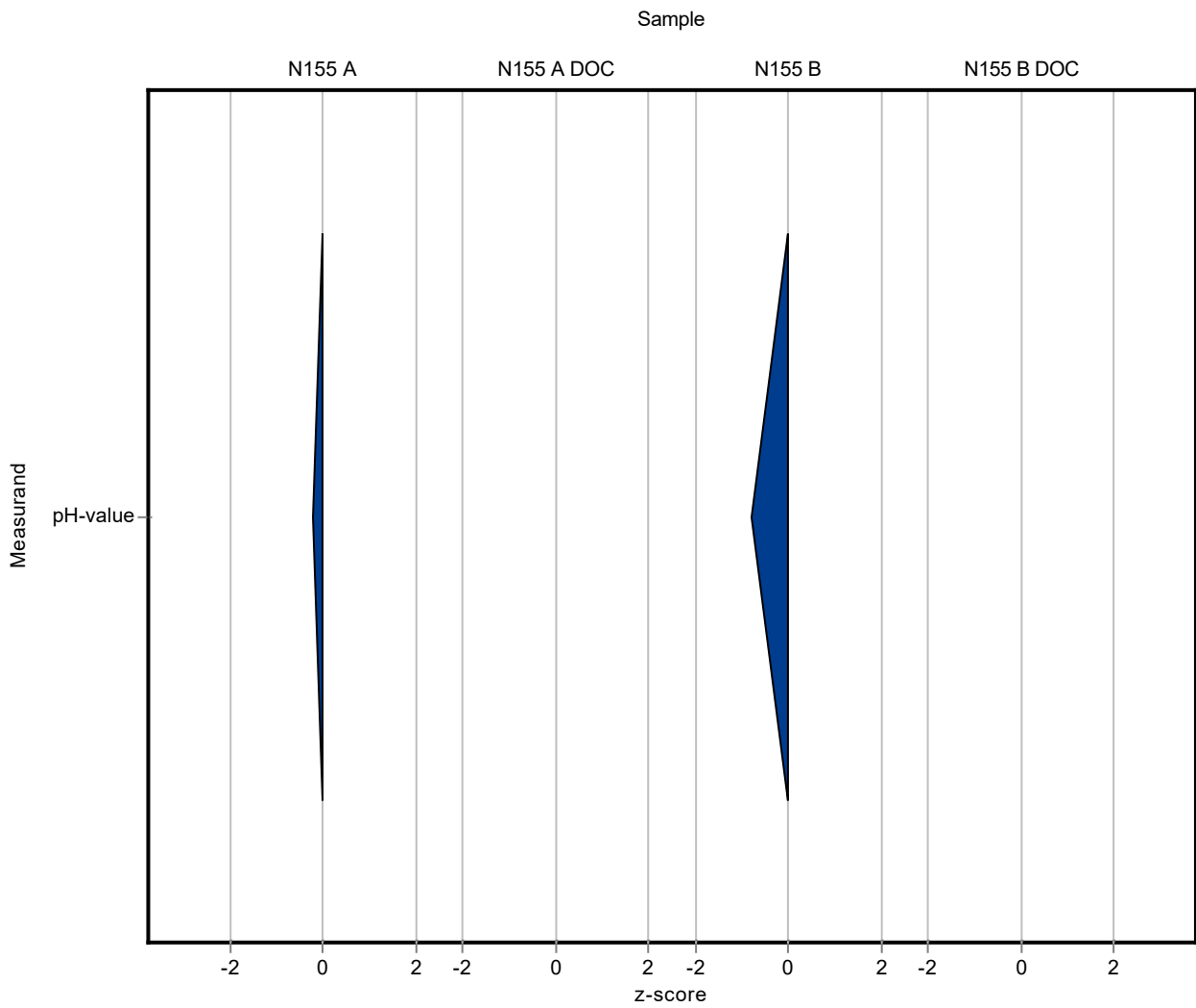
Sample: N155B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	3.11 ± 0.0171	- ± -	0.0622	-	-
Ammonium (as NH ₄)	mg/l	0.359 ± 0.00779	- ± -	0.0431	-	-
Boron	mg/l	0.0189 ± 0.000778	- ± -	0.00208	-	-
Calcium	mg/l	58.7 ± 0.681	- ± -	1.82	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Chloride	mg/l	44.2 ± 0.341	- ± -	1.77	-	-
El. conductivity (25°C)	µS/cm	517 ± 1.75	- ± -	6.72	-	-
Hydrogen carbonate	mg/l	189 ± 1.54	- ± -	3.78	-	-
Magnesium	mg/l	12.5 ± 0.185	- ± -	0.501	-	-
Nitrate (as NO ₃)	mg/l	20.1 ± 0.156	- ± -	1.01	-	-
Nitrite (as NO ₂)	mg/l	0.24 ± 0.00384	- ± -	0.0127	-	-
Orthophosphate (as PO ₄)	mg/l	0.235 ± 0.00356	- ± -	0.0212	-	-
pH-value	-	7.92 ± 0.0209	7.8 ± 0.1	0.158	98.4	-0.78
Potassium	mg/l	2.94 ± 0.0476	- ± -	0.153	-	-
Sodium	mg/l	25.6 ± 0.277	- ± -	0.87	-	-
Sulfate (as SO ₄)	mg/l	24.7 ± 0.31	- ± -	0.815	-	-
Total-P (as PO ₄)	mg/l	1.1 ± 0.0151	- ± -	0.0824	-	-
Total hardness	mmol/l	2 ± 0.0126	- ± -	0.0599	-	-
Total nitrogen	mg/l	5.05 ± 0.0813	- ± -	0.42	-	-

Sample: N155BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	4.27 ± 0.0971	- ± -	0.427	-	-



Sample: N155A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	7.28 ± 0.029	- ± -	0.146	-	-
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00275	- ± -	0.0102	-	-
Boron	mg/l	0.0534 ± 0.00214	- ± -	0.00588	-	-
Calcium	mg/l	155 ± 2	- ± -	4.82	-	-
Chloride	mg/l	85.1 ± 0.62	- ± -	3.4	-	-
El. conductivity (25°C)	µS/cm	1080 ± 4.42	- ± -	14	-	-
Hydrogen carbonate	mg/l	442 ± 1.46	- ± -	8.84	-	-
Magnesium	mg/l	36.2 ± 0.459	- ± -	1.45	-	-
Nitrate (as NO ₃)	mg/l	10.7 ± 0.126	- ± -	0.537	-	-
Nitrite (as NO ₂)	mg/l	0.102 ± 0.00202	- ± -	0.00539	-	-
Orthophosphate (as PO ₄)	mg/l	0.0589 ± 0.00231	- ± -	0.0053	-	-
pH-value	-	7.73 ± 0.027	7.7 ± 0.1	0.155	99.6	-0.16
Potassium	mg/l	2.4 ± 0.0526	- ± -	0.125	-	-
Sodium	mg/l	21.5 ± 0.289	- ± -	0.73	-	-
Sulfate (as SO ₄)	mg/l	94.2 ± 1.02	- ± -	3.11	-	-
Total-P (as PO ₄)	mg/l	1.16 ± 0.0213	- ± -	0.0869	-	-
Total hardness	mmol/l	5.41 ± 0.0392	- ± -	0.162	-	-
Total nitrogen	mg/l	2.59 ± 0.0647	- ± -	0.215	-	-

Sample: N155ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	2.07 ± 0.0588	- ± -	0.207	-	-

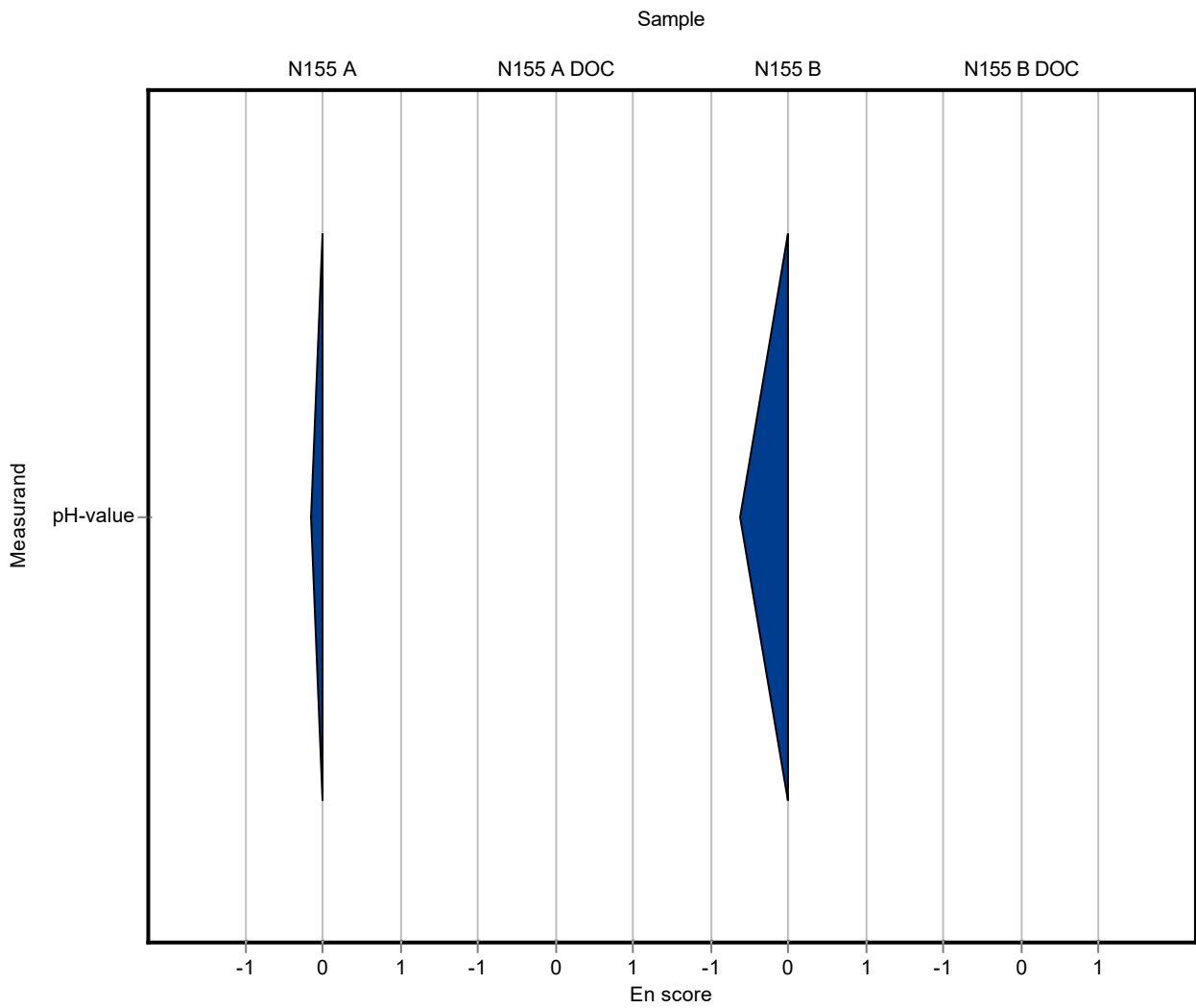
Sample: N155B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	3.11 ± 0.0171	- ± -	0.0622	-	-
Ammonium (as NH ₄)	mg/l	0.359 ± 0.00779	- ± -	0.0431	-	-
Boron	mg/l	0.0189 ± 0.000778	- ± -	0.00208	-	-
Calcium	mg/l	58.7 ± 0.681	- ± -	1.82	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Chloride	mg/l	44.2 ± 0.341	- ± -	1.77	-	-
El. conductivity (25°C)	µS/cm	517 ± 1.75	- ± -	6.72	-	-
Hydrogen carbonate	mg/l	189 ± 1.54	- ± -	3.78	-	-
Magnesium	mg/l	12.5 ± 0.185	- ± -	0.501	-	-
Nitrate (as NO ₃)	mg/l	20.1 ± 0.156	- ± -	1.01	-	-
Nitrite (as NO ₂)	mg/l	0.24 ± 0.00384	- ± -	0.0127	-	-
Orthophosphate (as PO ₄)	mg/l	0.235 ± 0.00356	- ± -	0.0212	-	-
pH-value	-	7.92 ± 0.0209	7.8 ± 0.1	0.158	98.4	-0.62
Potassium	mg/l	2.94 ± 0.0476	- ± -	0.153	-	-
Sodium	mg/l	25.6 ± 0.277	- ± -	0.87	-	-
Sulfate (as SO ₄)	mg/l	24.7 ± 0.31	- ± -	0.815	-	-
Total-P (as PO ₄)	mg/l	1.1 ± 0.0151	- ± -	0.0824	-	-
Total hardness	mmol/l	2 ± 0.0126	- ± -	0.0599	-	-
Total nitrogen	mg/l	5.05 ± 0.0813	- ± -	0.42	-	-

Sample: N155BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	4.27 ± 0.0971	- ± -	0.427	-	-



Sample: N155A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	7.28 ± 0.029	7.38 ± 0.37	0.146	101	0.67
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00275	0.09 ± 0.01	0.0102	105	0.45
Boron	mg/l	0.0534 ± 0.00214	0.055 ± 0.003	0.00588	103	0.27
Calcium	mg/l	155 ± 2	155 ± 8	4.82	99.8	-0.07
Chloride	mg/l	85.1 ± 0.62	85.6 ± 4.3	3.4	101	0.16
El. conductivity (25°C)	µS/cm	1080 ± 4.42	1070 ± 19	14	99.2	-0.65
Hydrogen carbonate	mg/l	442 ± 1.46	444 ± 23	8.84	100	0.22
Magnesium	mg/l	36.2 ± 0.459	35.5 ± 1.8	1.45	98.1	-0.47
Nitrate (as NO ₃)	mg/l	10.7 ± 0.126	10.8 ± 0.6	0.537	101	0.11
Nitrite (as NO ₂)	mg/l	0.102 ± 0.00202	0.11 ± 0.02	0.00539	108	1.53
Orthophosphate (as PO ₄)	mg/l	0.0589 ± 0.00231	0.06 ± 0.01	0.0053	102	0.21
pH-value	-	7.73 ± 0.027	7.7 ± 0.1	0.155	99.6	-0.21
Potassium	mg/l	2.4 ± 0.0526	2.45 ± 0.13	0.125	102	0.42
Sodium	mg/l	21.5 ± 0.289	21.9 ± 1.1	0.73	102	0.57
Sulfate (as SO ₄)	mg/l	94.2 ± 1.02	92.6 ± 4.7	3.11	98.3	-0.53
Total-P (as PO ₄)	mg/l	1.16 ± 0.0213	1.18 ± 0.12	0.0869	102	0.25
Total hardness	mmol/l	5.41 ± 0.0392	5.33 ± 0.27	0.162	98.5	-0.50
Total nitrogen	mg/l	2.59 ± 0.0647	2.75 ± 0.28	0.215	106	0.77

Sample: N155ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.07 ± 0.0588	2.2 ± 0.2	0.207	106	0.61

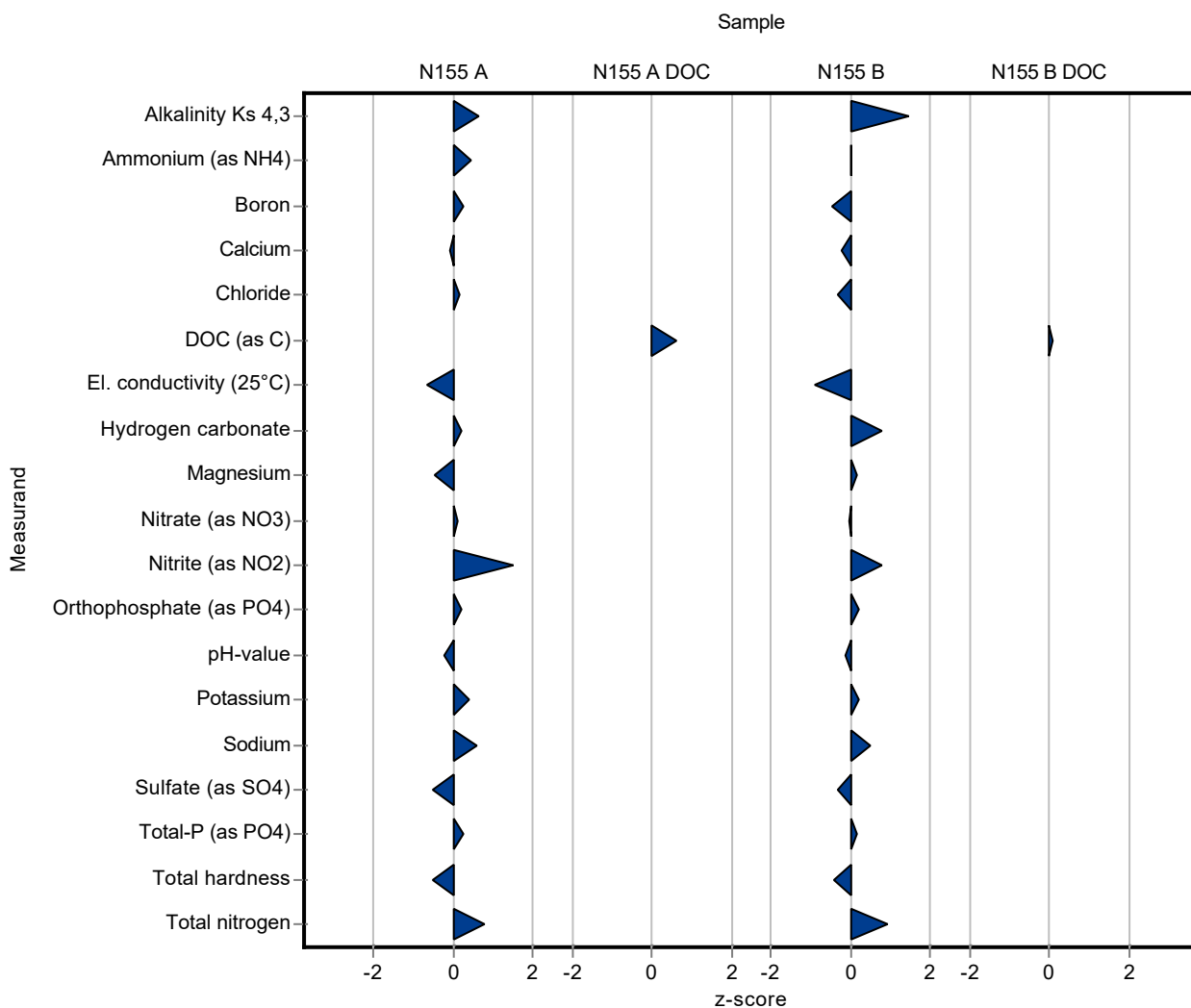
Sample: N155B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	3.11 ± 0.0171	3.2 ± 0.16	0.0622	103	1.46
Ammonium (as NH ₄)	mg/l	0.359 ± 0.00779	0.36 ± 0.04	0.0431	100	0.02
Boron	mg/l	0.0189 ± 0.000778	0.018 ± 0.001	0.00208	95	-0.45
Calcium	mg/l	58.7 ± 0.681	58.3 ± 3	1.82	99.3	-0.24

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Chloride	mg/l	44.2 ± 0.341	43.6 ± 2.2	1.77	98.7	-0.33
El. conductivity (25°C)	µS/cm	517 ± 1.75	511 ± 9	6.72	98.8	-0.90
Hydrogen carbonate	mg/l	189 ± 1.54	192 ± 10	3.78	102	0.79
Magnesium	mg/l	12.5 ± 0.185	12.6 ± 0.7	0.501	101	0.15
Nitrate (as NO ₃)	mg/l	20.1 ± 0.156	20.1 ± 1.1	1.01	99.9	-0.01
Nitrite (as NO ₂)	mg/l	0.24 ± 0.00384	0.25 ± 0.03	0.0127	104	0.80
Orthophosphate (as PO ₄)	mg/l	0.235 ± 0.00356	0.24 ± 0.03	0.0212	102	0.21
pH-value	-	7.92 ± 0.0209	7.9 ± 0.1	0.158	99.7	-0.15
Potassium	mg/l	2.94 ± 0.0476	2.97 ± 0.15	0.153	101	0.19
Sodium	mg/l	25.6 ± 0.277	26 ± 1.3	0.87	102	0.49
Sulfate (as SO ₄)	mg/l	24.7 ± 0.31	24.4 ± 1.3	0.815	98.8	-0.35
Total-P (as PO ₄)	mg/l	1.1 ± 0.0151	1.11 ± 0.12	0.0824	101	0.14
Total hardness	mmol/l	2 ± 0.0126	1.97 ± 0.1	0.0599	98.7	-0.44
Total nitrogen	mg/l	5.05 ± 0.0813	5.44 ± 0.55	0.42	108	0.92

Sample: N155BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	4.27 ± 0.0971	4.3 ± 0.4	0.427	101	0.08



Sample: N155A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	7.28 ± 0.029	7.38 ± 0.37	0.146	101	0.13
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00275	0.09 ± 0.01	0.0102	105	0.23
Boron	mg/l	0.0534 ± 0.00214	0.055 ± 0.003	0.00588	103	0.24
Calcium	mg/l	155 ± 2	155 ± 8	4.82	99.8	-0.02
Chloride	mg/l	85.1 ± 0.62	85.6 ± 4.3	3.4	101	0.06
El. conductivity (25°C)	µS/cm	1080 ± 4.42	1070 ± 19	14	99.2	-0.24
Hydrogen carbonate	mg/l	442 ± 1.46	444 ± 23	8.84	100	0.04
Magnesium	mg/l	36.2 ± 0.459	35.5 ± 1.8	1.45	98.1	-0.19
Nitrate (as NO ₃)	mg/l	10.7 ± 0.126	10.8 ± 0.6	0.537	101	0.05
Nitrite (as NO ₂)	mg/l	0.102 ± 0.00202	0.11 ± 0.02	0.00539	108	0.20
Orthophosphate (as PO ₄)	mg/l	0.0589 ± 0.00231	0.06 ± 0.01	0.0053	102	0.06
pH-value	-	7.73 ± 0.027	7.7 ± 0.1	0.155	99.6	-0.16
Potassium	mg/l	2.4 ± 0.0526	2.45 ± 0.13	0.125	102	0.20
Sodium	mg/l	21.5 ± 0.289	21.9 ± 1.1	0.73	102	0.19
Sulfate (as SO ₄)	mg/l	94.2 ± 1.02	92.6 ± 4.7	3.11	98.3	-0.17
Total-P (as PO ₄)	mg/l	1.16 ± 0.0213	1.18 ± 0.12	0.0869	102	0.09
Total hardness	mmol/l	5.41 ± 0.0392	5.33 ± 0.27	0.162	98.5	-0.15
Total nitrogen	mg/l	2.59 ± 0.0647	2.75 ± 0.28	0.215	106	0.29

Sample: N155ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	2.07 ± 0.0588	2.2 ± 0.2	0.207	106	0.31

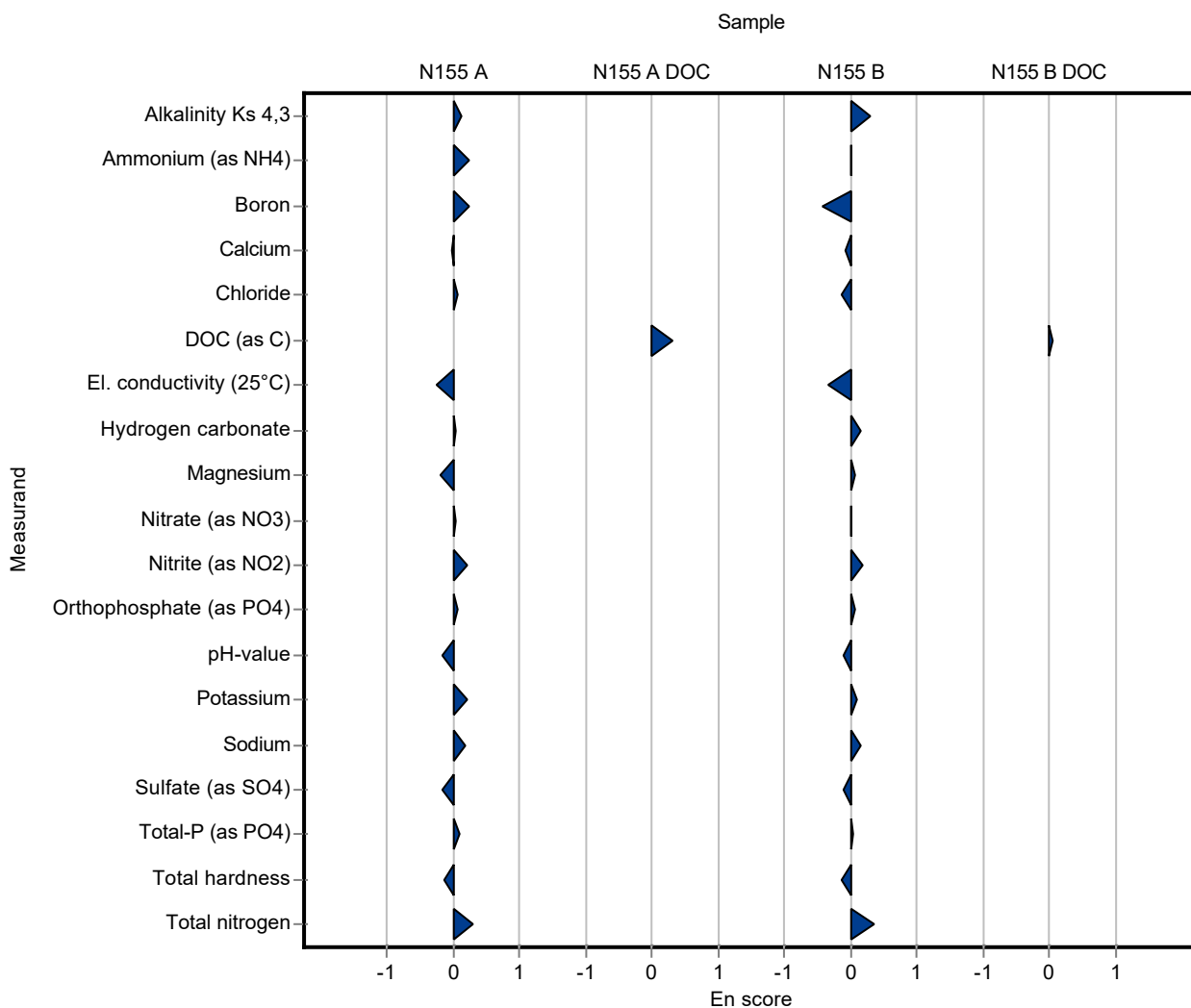
Sample: N155B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	3.11 ± 0.0171	3.2 ± 0.16	0.0622	103	0.28
Ammonium (as NH ₄)	mg/l	0.359 ± 0.00779	0.36 ± 0.04	0.0431	100	0.01
Boron	mg/l	0.0189 ± 0.000778	0.018 ± 0.001	0.00208	95	-0.44
Calcium	mg/l	58.7 ± 0.681	58.3 ± 3	1.82	99.3	-0.07

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Chloride	mg/l	44.2 ± 0.341	43.6 ± 2.2	1.77	98.7	-0.13
El. conductivity (25°C)	µS/cm	517 ± 1.75	511 ± 9	6.72	98.8	-0.34
Hydrogen carbonate	mg/l	189 ± 1.54	192 ± 10	3.78	102	0.15
Magnesium	mg/l	12.5 ± 0.185	12.6 ± 0.7	0.501	101	0.06
Nitrate (as NO ₃)	mg/l	20.1 ± 0.156	20.1 ± 1.1	1.01	99.9	-0.01
Nitrite (as NO ₂)	mg/l	0.24 ± 0.00384	0.25 ± 0.03	0.0127	104	0.17
Orthophosphate (as PO ₄)	mg/l	0.235 ± 0.00356	0.24 ± 0.03	0.0212	102	0.07
pH-value	-	7.92 ± 0.0209	7.9 ± 0.1	0.158	99.7	-0.12
Potassium	mg/l	2.94 ± 0.0476	2.97 ± 0.15	0.153	101	0.10
Sodium	mg/l	25.6 ± 0.277	26 ± 1.3	0.87	102	0.16
Sulfate (as SO ₄)	mg/l	24.7 ± 0.31	24.4 ± 1.3	0.815	98.8	-0.11
Total-P (as PO ₄)	mg/l	1.1 ± 0.0151	1.11 ± 0.12	0.0824	101	0.05
Total hardness	mmol/l	2 ± 0.0126	1.97 ± 0.1	0.0599	98.7	-0.13
Total nitrogen	mg/l	5.05 ± 0.0813	5.44 ± 0.55	0.42	108	0.35

Sample: N155BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	4.27 ± 0.0971	4.3 ± 0.4	0.427	101	0.04



Sample: N155A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	7.28 ± 0.029	7.29 ± 0.5	0.146	100	0.05
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00275	0.1 ± 0.01	0.0102	117	1.43
Boron	mg/l	0.0534 ± 0.00214	- ± -	0.00588	-	-
Calcium	mg/l	155 ± 2	166.607 ± 25	4.82	107	2.34
Chloride	mg/l	85.1 ± 0.62	83.01 ± 12.45	3.4	97.6	-0.60
El. conductivity (25°C)	µS/cm	1080 ± 4.42	1076.7 ± 21.5	14	99.8	-0.17
Hydrogen carbonate	mg/l	442 ± 1.46	- ± -	8.84	-	-
Magnesium	mg/l	36.2 ± 0.459	38.551 ± 5.78	1.45	107	1.63
Nitrate (as NO ₃)	mg/l	10.7 ± 0.126	10.51 ± 1.6	0.537	97.9	-0.43
Nitrite (as NO ₂)	mg/l	0.102 ± 0.00202	0.099 ± 0.01	0.00539	97.3	-0.51
Orthophosphate (as PO ₄)	mg/l	0.0589 ± 0.00231	- ± -	0.0053	-	-
pH-value	-	7.73 ± 0.027	7.62 ± 0.1	0.155	98.5	-0.73
Potassium	mg/l	2.4 ± 0.0526	2.31 ± 0.35	0.125	96.4	-0.70
Sodium	mg/l	21.5 ± 0.289	22.682 ± 3.4	0.73	106	1.64
Sulfate (as SO ₄)	mg/l	94.2 ± 1.02	92.25 ± 13.8	3.11	97.9	-0.64
Total-P (as PO ₄)	mg/l	1.16 ± 0.0213	0.37 ± 0.08	0.0869	32	-9.07
Total hardness	mmol/l	5.41 ± 0.0392	- ± -	0.162	-	-
Total nitrogen	mg/l	2.59 ± 0.0647	2.42 ± 0.484	0.215	93.6	-0.77

Sample: N155ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.07 ± 0.0588	0.449 ± 0.05	0.207	21.6	-7.84

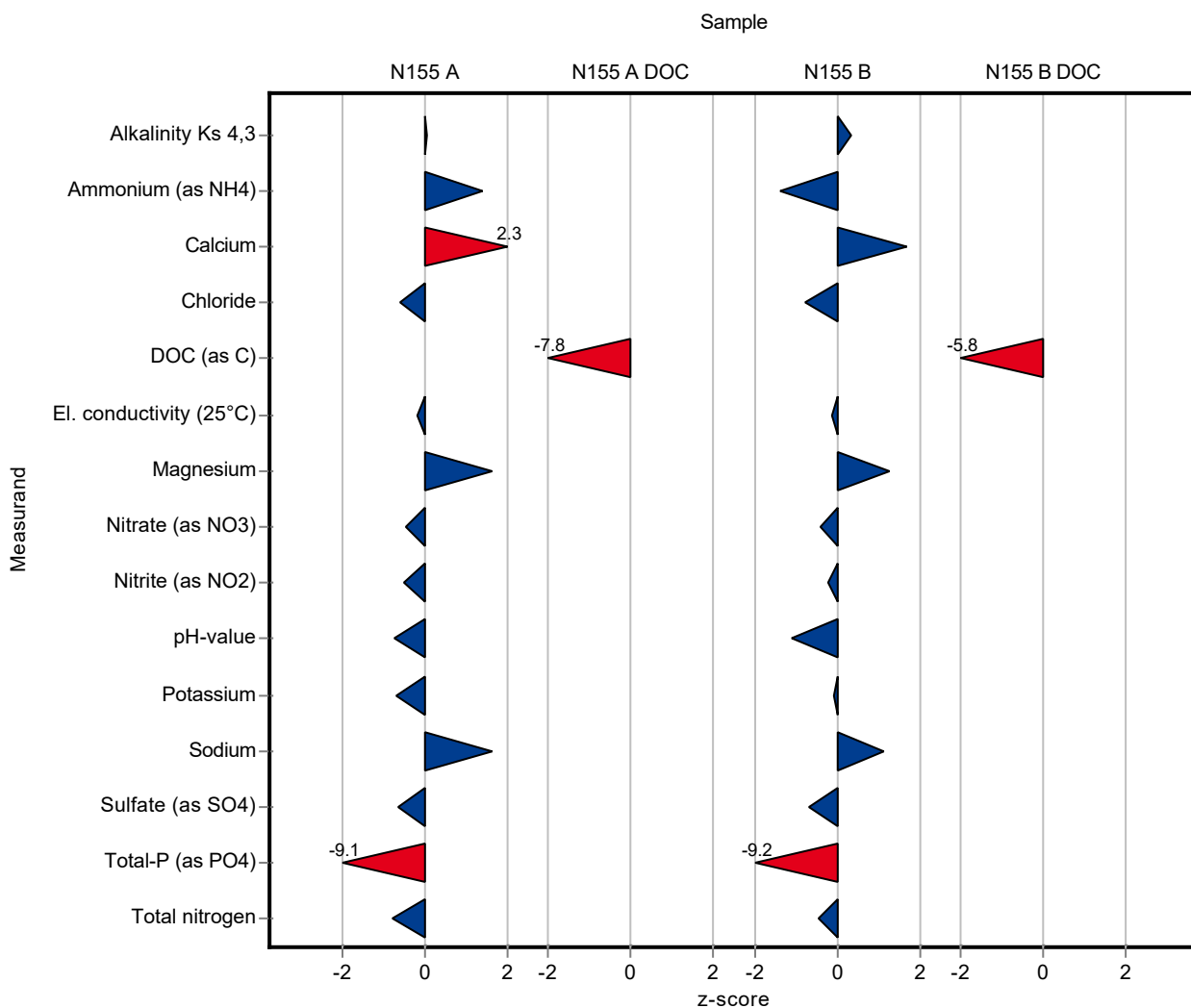
Sample: N155B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	3.11 ± 0.0171	3.13 ± 0.2	0.0622	101	0.33
Ammonium (as NH ₄)	mg/l	0.359 ± 0.00779	0.3 ± 0.03	0.0431	83.5	-1.37
Boron	mg/l	0.0189 ± 0.000778	- ± -	0.00208	-	-
Calcium	mg/l	58.7 ± 0.681	61.805 ± 9.3	1.82	105	1.68

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Chloride	mg/l	44.2 ± 0.341	42.84 ± 6.31	1.77	97	-0.76
El. conductivity (25°C)	µS/cm	517 ± 1.75	516.2 ± 10.3	6.72	99.8	-0.13
Hydrogen carbonate	mg/l	189 ± 1.54	- ± -	3.78	-	-
Magnesium	mg/l	12.5 ± 0.185	13.15 ± 1.98	0.501	105	1.25
Nitrate (as NO ₃)	mg/l	20.1 ± 0.156	19.7 ± 2.96	1.01	97.9	-0.41
Nitrite (as NO ₂)	mg/l	0.24 ± 0.00384	0.237 ± 0.025	0.0127	98.8	-0.22
Orthophosphate (as PO ₄)	mg/l	0.235 ± 0.00356	- ± -	0.0212	-	-
pH-value	-	7.92 ± 0.0209	7.75 ± 0.1	0.158	97.8	-1.10
Potassium	mg/l	2.94 ± 0.0476	2.929 ± 0.44	0.153	99.6	-0.08
Sodium	mg/l	25.6 ± 0.277	26.545 ± 3.98	0.87	104	1.11
Sulfate (as SO ₄)	mg/l	24.7 ± 0.31	24.12 ± 3.62	0.815	97.7	-0.69
Total-P (as PO ₄)	mg/l	1.1 ± 0.0151	0.34 ± 0.07	0.0824	31	-9.20
Total hardness	mmol/l	2 ± 0.0126	- ± -	0.0599	-	-
Total nitrogen	mg/l	5.05 ± 0.0813	4.86 ± 0.972	0.42	96.2	-0.46

Sample: N155BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	4.27 ± 0.0971	1.798 ± 0.2	0.427	42.1	-5.79



Sample: N155A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	7.28 ± 0.029	7.29 ± 0.5	0.146	100	0.01
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00275	0.1 ± 0.01	0.0102	117	0.73
Boron	mg/l	0.0534 ± 0.00214	- ± -	0.00588	-	-
Calcium	mg/l	155 ± 2	166.607 ± 25	4.82	107	0.23
Chloride	mg/l	85.1 ± 0.62	83.01 ± 12.45	3.4	97.6	-0.08
El. conductivity (25°C)	µS/cm	1080 ± 4.42	1076.7 ± 21.5	14	99.8	-0.05
Hydrogen carbonate	mg/l	442 ± 1.46	- ± -	8.84	-	-
Magnesium	mg/l	36.2 ± 0.459	38.551 ± 5.78	1.45	107	0.20
Nitrate (as NO ₃)	mg/l	10.7 ± 0.126	10.51 ± 1.6	0.537	97.9	-0.07
Nitrite (as NO ₂)	mg/l	0.102 ± 0.00202	0.099 ± 0.01	0.00539	97.3	-0.14
Orthophosphate (as PO ₄)	mg/l	0.0589 ± 0.00231	- ± -	0.0053	-	-
pH-value	-	7.73 ± 0.027	7.62 ± 0.1	0.155	98.5	-0.56
Potassium	mg/l	2.4 ± 0.0526	2.31 ± 0.35	0.125	96.4	-0.12
Sodium	mg/l	21.5 ± 0.289	22.682 ± 3.4	0.73	106	0.18
Sulfate (as SO ₄)	mg/l	94.2 ± 1.02	92.25 ± 13.8	3.11	97.9	-0.07
Total-P (as PO ₄)	mg/l	1.16 ± 0.0213	0.37 ± 0.08	0.0869	32	-4.88
Total hardness	mmol/l	5.41 ± 0.0392	- ± -	0.162	-	-
Total nitrogen	mg/l	2.59 ± 0.0647	2.42 ± 0.484	0.215	93.6	-0.17

Sample: N155ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	2.07 ± 0.0588	0.449 ± 0.05	0.207	21.6	-14.00

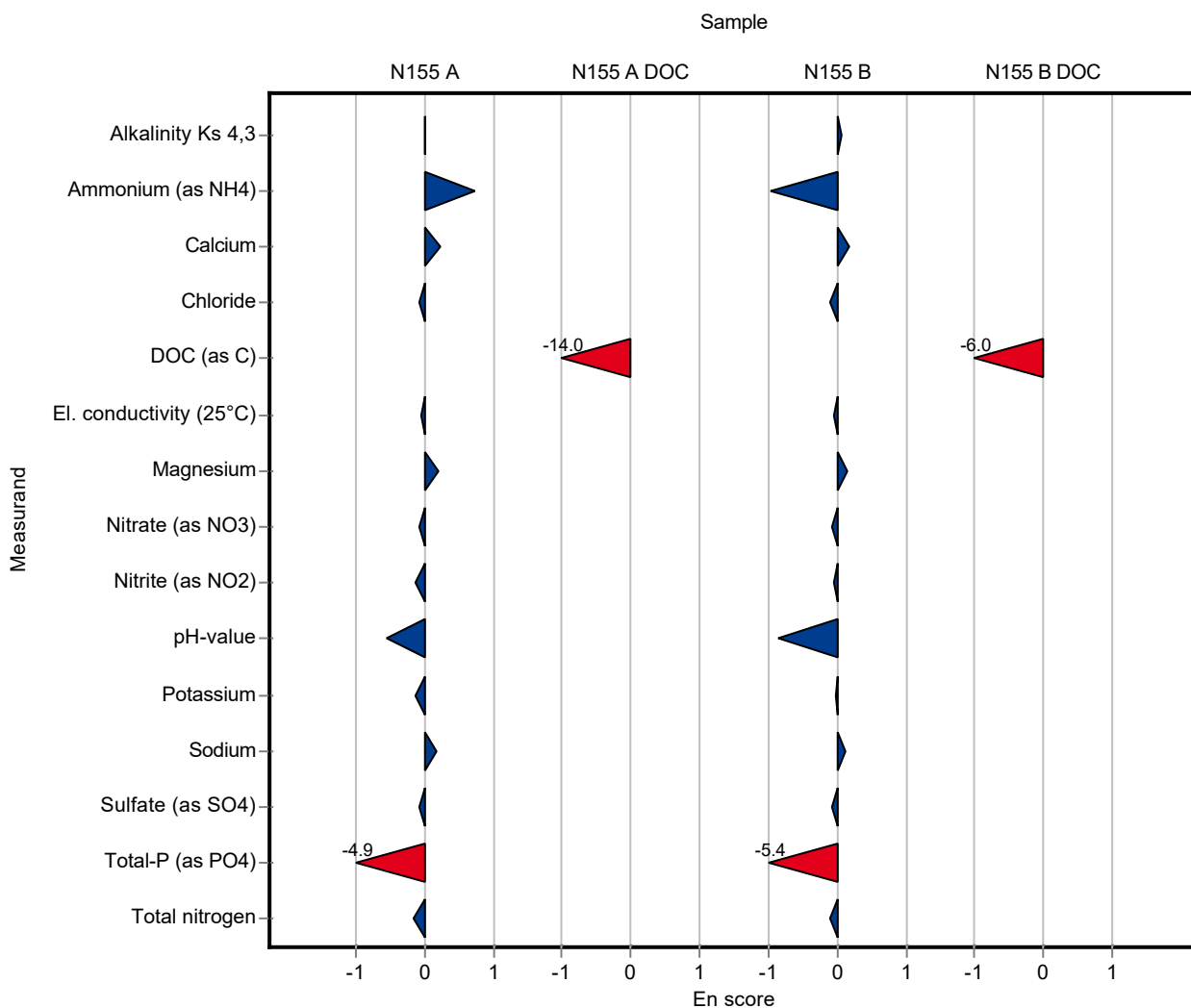
Sample: N155B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	3.11 ± 0.0171	3.13 ± 0.2	0.0622	101	0.05
Ammonium (as NH ₄)	mg/l	0.359 ± 0.00779	0.3 ± 0.03	0.0431	83.5	-0.98
Boron	mg/l	0.0189 ± 0.000778	- ± -	0.00208	-	-
Calcium	mg/l	58.7 ± 0.681	61.805 ± 9.3	1.82	105	0.17

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Chloride	mg/l	44.2 ± 0.341	42.84 ± 6.31	1.77	97	-0.11
El. conductivity (25°C)	µS/cm	517 ± 1.75	516.2 ± 10.3	6.72	99.8	-0.04
Hydrogen carbonate	mg/l	189 ± 1.54	- ± -	3.78	-	-
Magnesium	mg/l	12.5 ± 0.185	13.15 ± 1.98	0.501	105	0.16
Nitrate (as NO ₃)	mg/l	20.1 ± 0.156	19.7 ± 2.96	1.01	97.9	-0.07
Nitrite (as NO ₂)	mg/l	0.24 ± 0.00384	0.237 ± 0.025	0.0127	98.8	-0.06
Orthophosphate (as PO ₄)	mg/l	0.235 ± 0.00356	- ± -	0.0212	-	-
pH-value	-	7.92 ± 0.0209	7.75 ± 0.1	0.158	97.8	-0.86
Potassium	mg/l	2.94 ± 0.0476	2.929 ± 0.44	0.153	99.6	-0.01
Sodium	mg/l	25.6 ± 0.277	26.545 ± 3.98	0.87	104	0.12
Sulfate (as SO ₄)	mg/l	24.7 ± 0.31	24.12 ± 3.62	0.815	97.7	-0.08
Total-P (as PO ₄)	mg/l	1.1 ± 0.0151	0.34 ± 0.07	0.0824	31	-5.38
Total hardness	mmol/l	2 ± 0.0126	- ± -	0.0599	-	-
Total nitrogen	mg/l	5.05 ± 0.0813	4.86 ± 0.972	0.42	96.2	-0.10

Sample: N155BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	4.27 ± 0.0971	1.798 ± 0.2	0.427	42.1	-6.00



Sample: N155A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	7.28 ± 0.029	7.01 ± 0.5	0.146	96.2	-1.88
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00275	0.09 ± 0.009	0.0102	105	0.45
Boron	mg/l	0.0534 ± 0.00214	- ± -	0.00588	-	-
Calcium	mg/l	155 ± 2	164.6 ± 9.5	4.82	106	1.93
Chloride	mg/l	85.1 ± 0.62	85.6 ± 2.9	3.4	101	0.16
El. conductivity (25°C)	µS/cm	1080 ± 4.42	1030 ± 30	14	95.5	-3.50
Hydrogen carbonate	mg/l	442 ± 1.46	- ± -	8.84	-	-
Magnesium	mg/l	36.2 ± 0.459	38.2 ± 2.7	1.45	106	1.39
Nitrate (as NO ₃)	mg/l	10.7 ± 0.126	9.79 ± 0.75	0.537	91.2	-1.77
Nitrite (as NO ₂)	mg/l	0.102 ± 0.00202	0.097 ± 0.008	0.00539	95.3	-0.88
Orthophosphate (as PO ₄)	mg/l	0.0589 ± 0.00231	0.065 ± 0.005	0.0053	110	1.16
pH-value	-	7.73 ± 0.027	7.74 ± 0.2	0.155	100	0.05
Potassium	mg/l	2.4 ± 0.0526	2.63 ± 0.21	0.125	110	1.87
Sodium	mg/l	21.5 ± 0.289	21.86 ± 3	0.73	102	0.52
Sulfate (as SO ₄)	mg/l	94.2 ± 1.02	99.8 ± 10.6	3.11	106	1.79
Total-P (as PO ₄)	mg/l	1.16 ± 0.0213	3.44 ± 0.27	0.0869	297	26.30
Total hardness	mmol/l	5.41 ± 0.0392	5.6 ± 0.3	0.162	104	1.17
Total nitrogen	mg/l	2.59 ± 0.0647	- ± -	0.215	-	-

Sample: N155ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.07 ± 0.0588	- ± -	0.207	-	-

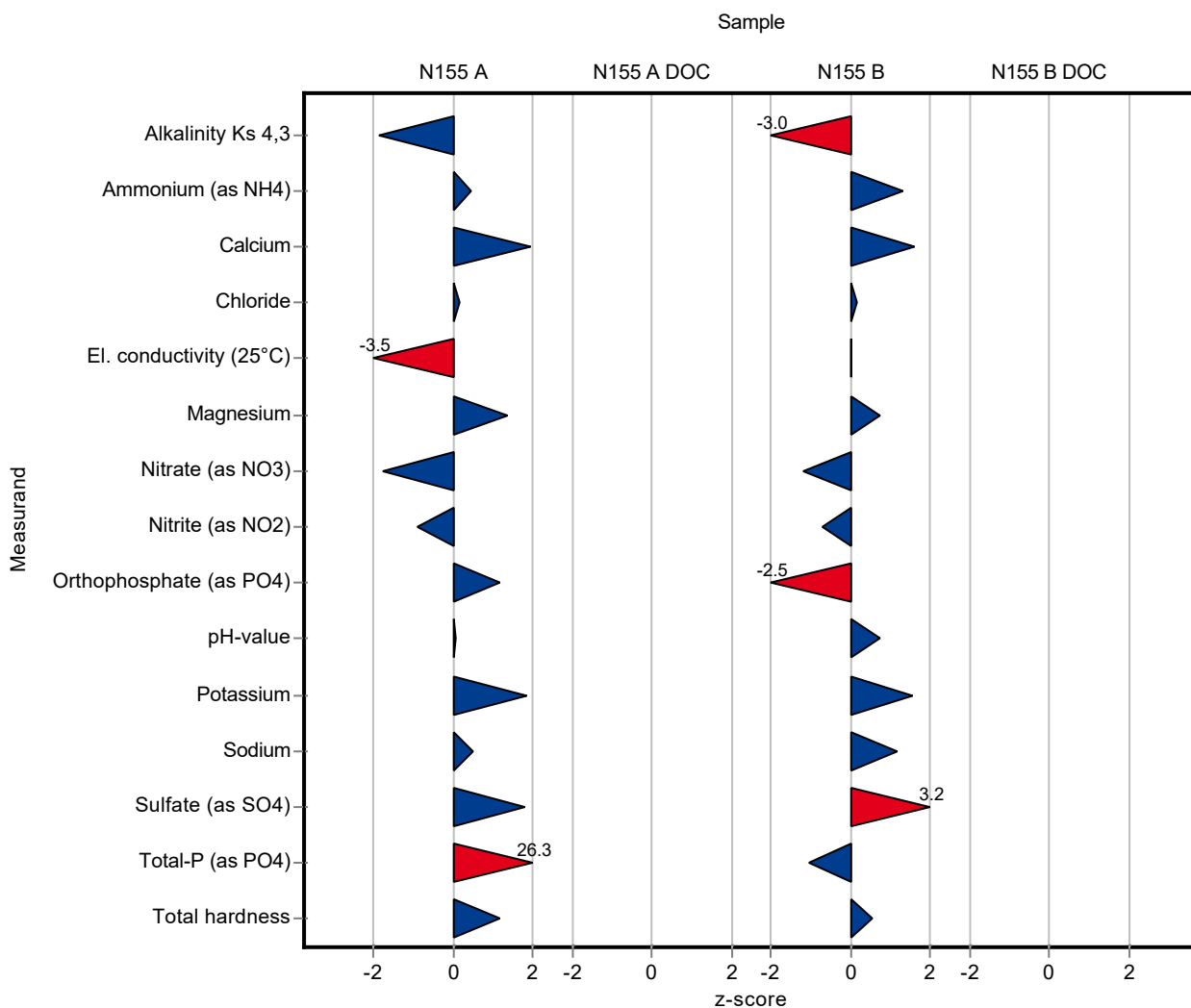
Sample: N155B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	3.11 ± 0.0171	2.925 ± 0.26	0.0622	94.1	-2.96
Ammonium (as NH ₄)	mg/l	0.359 ± 0.00779	0.415 ± 0.06	0.0431	116	1.30
Boron	mg/l	0.0189 ± 0.000778	- ± -	0.00208	-	-
Calcium	mg/l	58.7 ± 0.681	61.7 ± 3.6	1.82	105	1.63

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Chloride	mg/l	44.2 ± 0.341	44.5 ± 1.5	1.77	101	0.18
El. conductivity (25°C)	µS/cm	517 ± 1.75	517 ± 15	6.72	100	-0.01
Hydrogen carbonate	mg/l	189 ± 1.54	- ± -	3.78	-	-
Magnesium	mg/l	12.5 ± 0.185	12.9 ± 0.93	0.501	103	0.75
Nitrate (as NO ₃)	mg/l	20.1 ± 0.156	18.9 ± 2	1.01	94	-1.21
Nitrite (as NO ₂)	mg/l	0.24 ± 0.00384	0.231 ± 0.02	0.0127	96.3	-0.69
Orthophosphate (as PO ₄)	mg/l	0.235 ± 0.00356	0.182 ± 0.015	0.0212	77.3	-2.52
pH-value	-	7.92 ± 0.0209	8.04 ± 0.2	0.158	101	0.73
Potassium	mg/l	2.94 ± 0.0476	3.18 ± 0.25	0.153	108	1.57
Sodium	mg/l	25.6 ± 0.277	26.6 ± 3.6	0.87	104	1.18
Sulfate (as SO ₄)	mg/l	24.7 ± 0.31	27.3 ± 2.8	0.815	111	3.21
Total-P (as PO ₄)	mg/l	1.1 ± 0.0151	1.01 ± 0.08	0.0824	92	-1.07
Total hardness	mmol/l	2 ± 0.0126	2.03 ± 0.12	0.0599	102	0.56
Total nitrogen	mg/l	5.05 ± 0.0813	- ± -	0.42	-	-

Sample: N155BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	4.27 ± 0.0971	- ± -	0.427	-	-



Sample: N155A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	7.28 ± 0.029	7.01 ± 0.5	0.146	96.2	-0.27
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00275	0.09 ± 0.009	0.0102	105	0.26
Boron	mg/l	0.0534 ± 0.00214	- ± -	0.00588	-	-
Calcium	mg/l	155 ± 2	164.6 ± 9.5	4.82	106	0.48
Chloride	mg/l	85.1 ± 0.62	85.6 ± 2.9	3.4	101	0.09
El. conductivity (25°C)	µS/cm	1080 ± 4.42	1030 ± 30	14	95.5	-0.82
Hydrogen carbonate	mg/l	442 ± 1.46	- ± -	8.84	-	-
Magnesium	mg/l	36.2 ± 0.459	38.2 ± 2.7	1.45	106	0.37
Nitrate (as NO ₃)	mg/l	10.7 ± 0.126	9.79 ± 0.75	0.537	91.2	-0.63
Nitrite (as NO ₂)	mg/l	0.102 ± 0.00202	0.097 ± 0.008	0.00539	95.3	-0.30
Orthophosphate (as PO ₄)	mg/l	0.0589 ± 0.00231	0.065 ± 0.005	0.0053	110	0.60
pH-value	-	7.73 ± 0.027	7.74 ± 0.2	0.155	100	0.02
Potassium	mg/l	2.4 ± 0.0526	2.63 ± 0.21	0.125	110	0.55
Sodium	mg/l	21.5 ± 0.289	21.86 ± 3	0.73	102	0.06
Sulfate (as SO ₄)	mg/l	94.2 ± 1.02	99.8 ± 10.6	3.11	106	0.26
Total-P (as PO ₄)	mg/l	1.16 ± 0.0213	3.44 ± 0.27	0.0869	297	4.22
Total hardness	mmol/l	5.41 ± 0.0392	5.6 ± 0.3	0.162	104	0.32
Total nitrogen	mg/l	2.59 ± 0.0647	- ± -	0.215	-	-

Sample: N155ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	2.07 ± 0.0588	- ± -	0.207	-	-

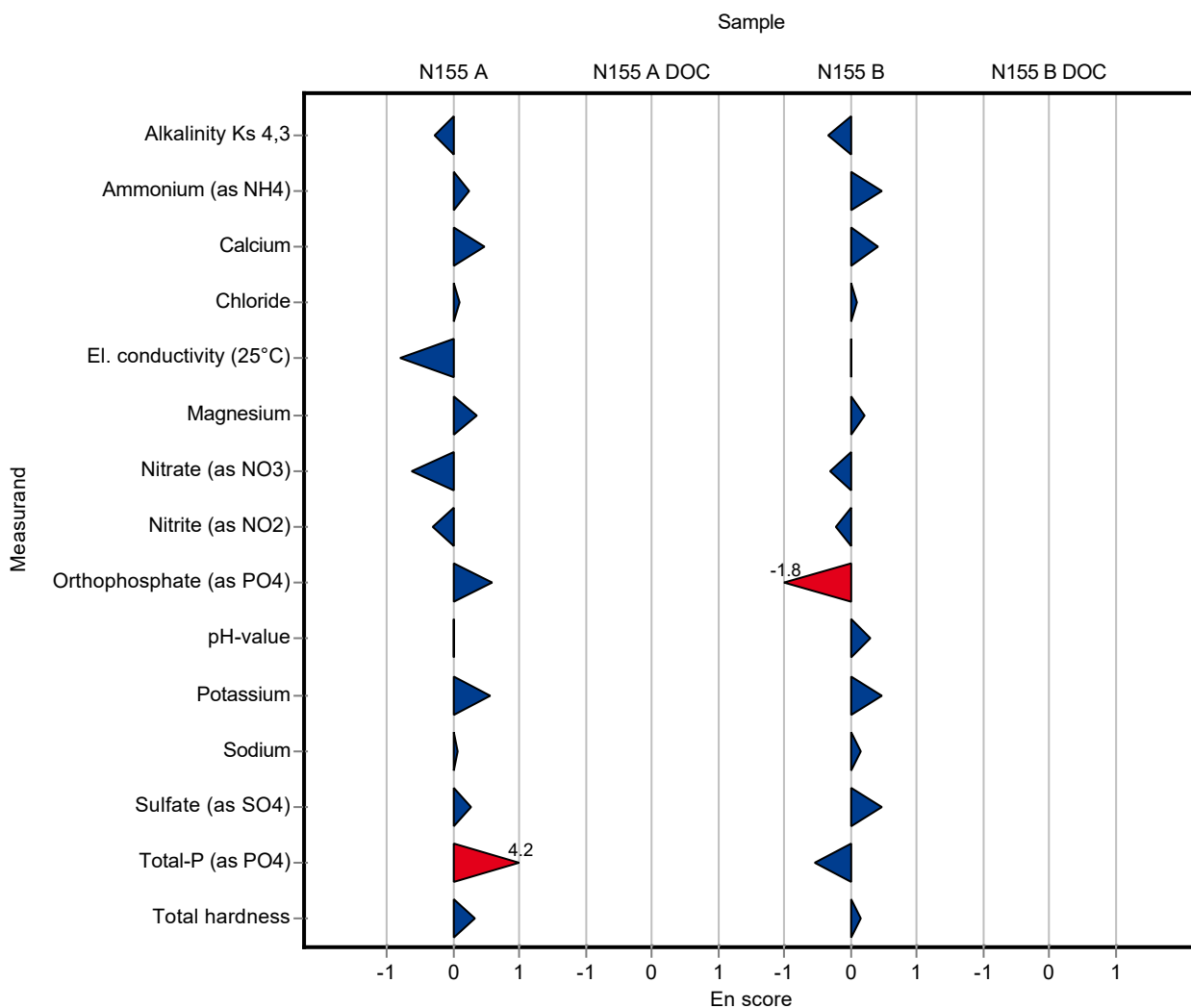
Sample: N155B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	3.11 ± 0.0171	2.925 ± 0.26	0.0622	94.1	-0.35
Ammonium (as NH ₄)	mg/l	0.359 ± 0.00779	0.415 ± 0.06	0.0431	116	0.46
Boron	mg/l	0.0189 ± 0.000778	- ± -	0.00208	-	-
Calcium	mg/l	58.7 ± 0.681	61.7 ± 3.6	1.82	105	0.41

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Chloride	mg/l	44.2 ± 0.341	44.5 ± 1.5	1.77	101	0.10
El. conductivity (25°C)	µS/cm	517 ± 1.75	517 ± 15	6.72	100	0.00
Hydrogen carbonate	mg/l	189 ± 1.54	- ± -	3.78	-	-
Magnesium	mg/l	12.5 ± 0.185	12.9 ± 0.93	0.501	103	0.20
Nitrate (as NO ₃)	mg/l	20.1 ± 0.156	18.9 ± 2	1.01	94	-0.30
Nitrite (as NO ₂)	mg/l	0.24 ± 0.00384	0.231 ± 0.02	0.0127	96.3	-0.22
Orthophosphate (as PO ₄)	mg/l	0.235 ± 0.00356	0.182 ± 0.015	0.0212	77.3	-1.77
pH-value	-	7.92 ± 0.0209	8.04 ± 0.2	0.158	101	0.29
Potassium	mg/l	2.94 ± 0.0476	3.18 ± 0.25	0.153	108	0.48
Sodium	mg/l	25.6 ± 0.277	26.6 ± 3.6	0.87	104	0.14
Sulfate (as SO ₄)	mg/l	24.7 ± 0.31	27.3 ± 2.8	0.815	111	0.47
Total-P (as PO ₄)	mg/l	1.1 ± 0.0151	1.01 ± 0.08	0.0824	92	-0.55
Total hardness	mmol/l	2 ± 0.0126	2.03 ± 0.12	0.0599	102	0.14
Total nitrogen	mg/l	5.05 ± 0.0813	- ± -	0.42	-	-

Sample: N155BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	4.27 ± 0.0971	- ± -	0.427	-	-



Sample: N155A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	7.28 ± 0.029	7.32 ± 0.3	0.146	101	0.25
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00275	0.084 ± 0.012	0.0102	98.4	-0.13
Boron	mg/l	0.0534 ± 0.00214	- ± -	0.00588	-	-
Calcium	mg/l	155 ± 2	158 ± 13	4.82	102	0.56
Chloride	mg/l	85.1 ± 0.62	85.3 ± 6	3.4	100	0.07
El. conductivity (25°C)	µS/cm	1080 ± 4.42	1080 ± 44	14	100	0.07
Hydrogen carbonate	mg/l	442 ± 1.46	444 ± 18	8.84	100	0.22
Magnesium	mg/l	36.2 ± 0.459	36.5 ± 5	1.45	101	0.22
Nitrate (as NO ₃)	mg/l	10.7 ± 0.126	10.7 ± 0.9	0.537	99.6	-0.07
Nitrite (as NO ₂)	mg/l	0.102 ± 0.00202	0.101 ± 0.01	0.00539	99.2	-0.14
Orthophosphate (as PO ₄)	mg/l	0.0589 ± 0.00231	0.059 ± 0.006	0.0053	100	0.02
pH-value	-	7.73 ± 0.027	7.77 ± 0.4	0.155	100	0.24
Potassium	mg/l	2.4 ± 0.0526	2.29 ± 0.3	0.125	95.5	-0.86
Sodium	mg/l	21.5 ± 0.289	21.6 ± 4	0.73	101	0.16
Sulfate (as SO ₄)	mg/l	94.2 ± 1.02	94 ± 7	3.11	99.7	-0.08
Total-P (as PO ₄)	mg/l	1.16 ± 0.0213	1.17 ± 0.2	0.0869	101	0.14
Total hardness	mmol/l	5.41 ± 0.0392	5.44 ± 0.2	0.162	101	0.18
Total nitrogen	mg/l	2.59 ± 0.0647	2.56 ± 0.3	0.215	99	-0.12

Sample: N155ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.07 ± 0.0588	2.15 ± 0.4	0.207	104	0.37

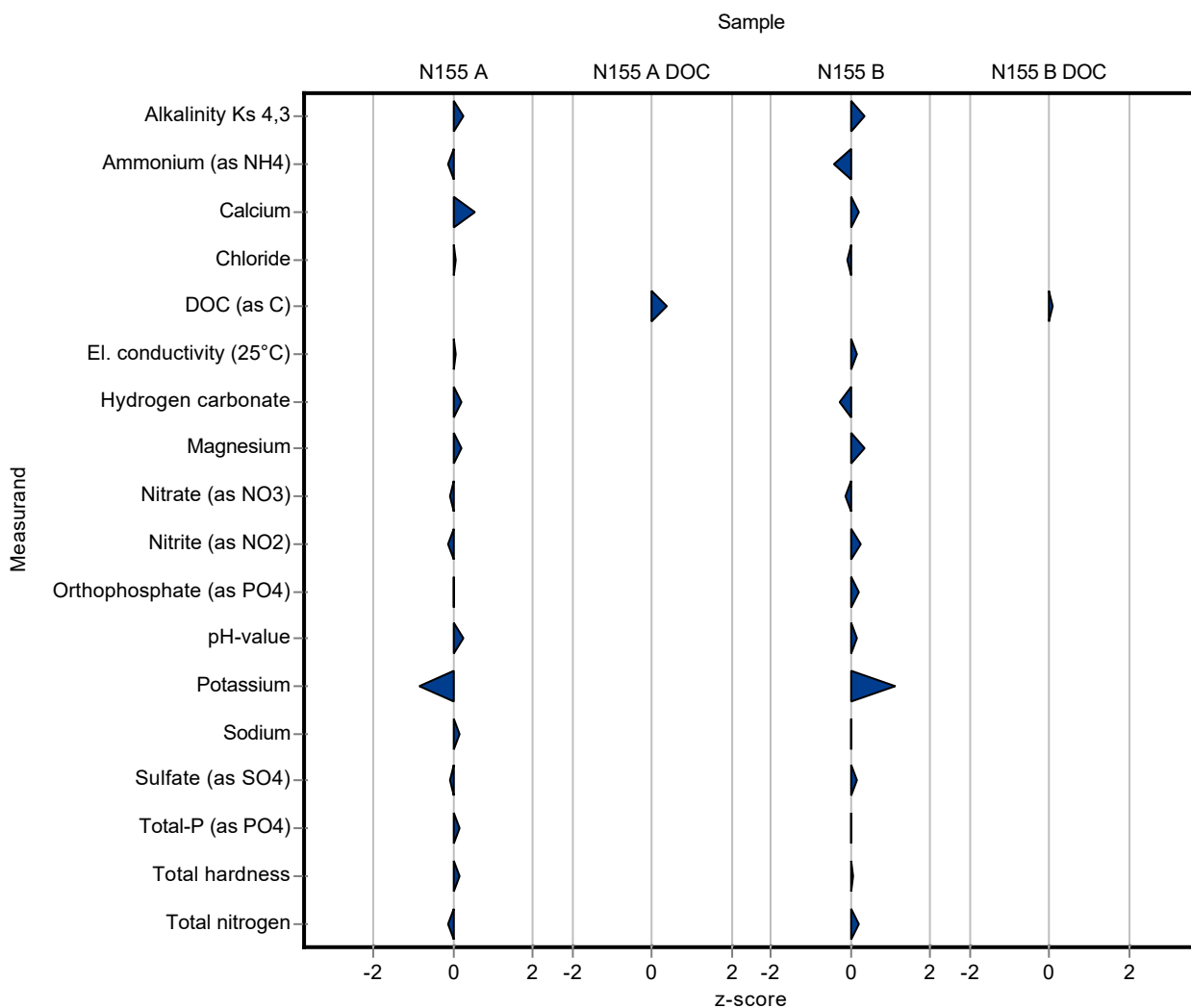
Sample: N155B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	3.11 ± 0.0171	3.13 ± 0.2	0.0622	101	0.33
Ammonium (as NH ₄)	mg/l	0.359 ± 0.00779	0.341 ± 0.05	0.0431	94.9	-0.42
Boron	mg/l	0.0189 ± 0.000778	- ± -	0.00208	-	-
Calcium	mg/l	58.7 ± 0.681	59.1 ± 5	1.82	101	0.20

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Chloride	mg/l	44.2 ± 0.341	44 ± 3	1.77	99.6	-0.10
El. conductivity (25°C)	µS/cm	517 ± 1.75	518 ± 21	6.72	100	0.14
Hydrogen carbonate	mg/l	189 ± 1.54	188 ± 8	3.78	99.5	-0.27
Magnesium	mg/l	12.5 ± 0.185	12.7 ± 1.6	0.501	101	0.35
Nitrate (as NO ₃)	mg/l	20.1 ± 0.156	20 ± 2	1.01	99.4	-0.11
Nitrite (as NO ₂)	mg/l	0.24 ± 0.00384	0.243 ± 0.02	0.0127	101	0.25
Orthophosphate (as PO ₄)	mg/l	0.235 ± 0.00356	0.24 ± 0.03	0.0212	102	0.21
pH-value	-	7.92 ± 0.0209	7.95 ± 0.4	0.158	100	0.17
Potassium	mg/l	2.94 ± 0.0476	3.11 ± 0.5	0.153	106	1.11
Sodium	mg/l	25.6 ± 0.277	25.6 ± 4	0.87	100	0.03
Sulfate (as SO ₄)	mg/l	24.7 ± 0.31	24.8 ± 2	0.815	100	0.14
Total-P (as PO ₄)	mg/l	1.1 ± 0.0151	1.1 ± 0.2	0.0824	100	0.02
Total hardness	mmol/l	2 ± 0.0126	2 ± 0.1	0.0599	100	0.06
Total nitrogen	mg/l	5.05 ± 0.0813	5.15 ± 0.5	0.42	102	0.23

Sample: N155BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	4.27 ± 0.0971	4.29 ± 0.7	0.427	101	0.06



Sample: N155A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	7.28 ± 0.029	7.32 ± 0.3	0.146	101	0.06
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00275	0.084 ± 0.012	0.0102	98.4	-0.06
Boron	mg/l	0.0534 ± 0.00214	- ± -	0.00588	-	-
Calcium	mg/l	155 ± 2	158 ± 13	4.82	102	0.10
Chloride	mg/l	85.1 ± 0.62	85.3 ± 6	3.4	100	0.02
El. conductivity (25°C)	µS/cm	1080 ± 4.42	1080 ± 44	14	100	0.01
Hydrogen carbonate	mg/l	442 ± 1.46	444 ± 18	8.84	100	0.05
Magnesium	mg/l	36.2 ± 0.459	36.5 ± 5	1.45	101	0.03
Nitrate (as NO ₃)	mg/l	10.7 ± 0.126	10.7 ± 0.9	0.537	99.6	-0.02
Nitrite (as NO ₂)	mg/l	0.102 ± 0.00202	0.101 ± 0.01	0.00539	99.2	-0.04
Orthophosphate (as PO ₄)	mg/l	0.0589 ± 0.00231	0.059 ± 0.006	0.0053	100	0.01
pH-value	-	7.73 ± 0.027	7.77 ± 0.4	0.155	100	0.05
Potassium	mg/l	2.4 ± 0.0526	2.29 ± 0.3	0.125	95.5	-0.18
Sodium	mg/l	21.5 ± 0.289	21.6 ± 4	0.73	101	0.01
Sulfate (as SO ₄)	mg/l	94.2 ± 1.02	94 ± 7	3.11	99.7	-0.02
Total-P (as PO ₄)	mg/l	1.16 ± 0.0213	1.17 ± 0.2	0.0869	101	0.03
Total hardness	mmol/l	5.41 ± 0.0392	5.44 ± 0.2	0.162	101	0.07
Total nitrogen	mg/l	2.59 ± 0.0647	2.56 ± 0.3	0.215	99	-0.04

Sample: N155ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	2.07 ± 0.0588	2.15 ± 0.4	0.207	104	0.09

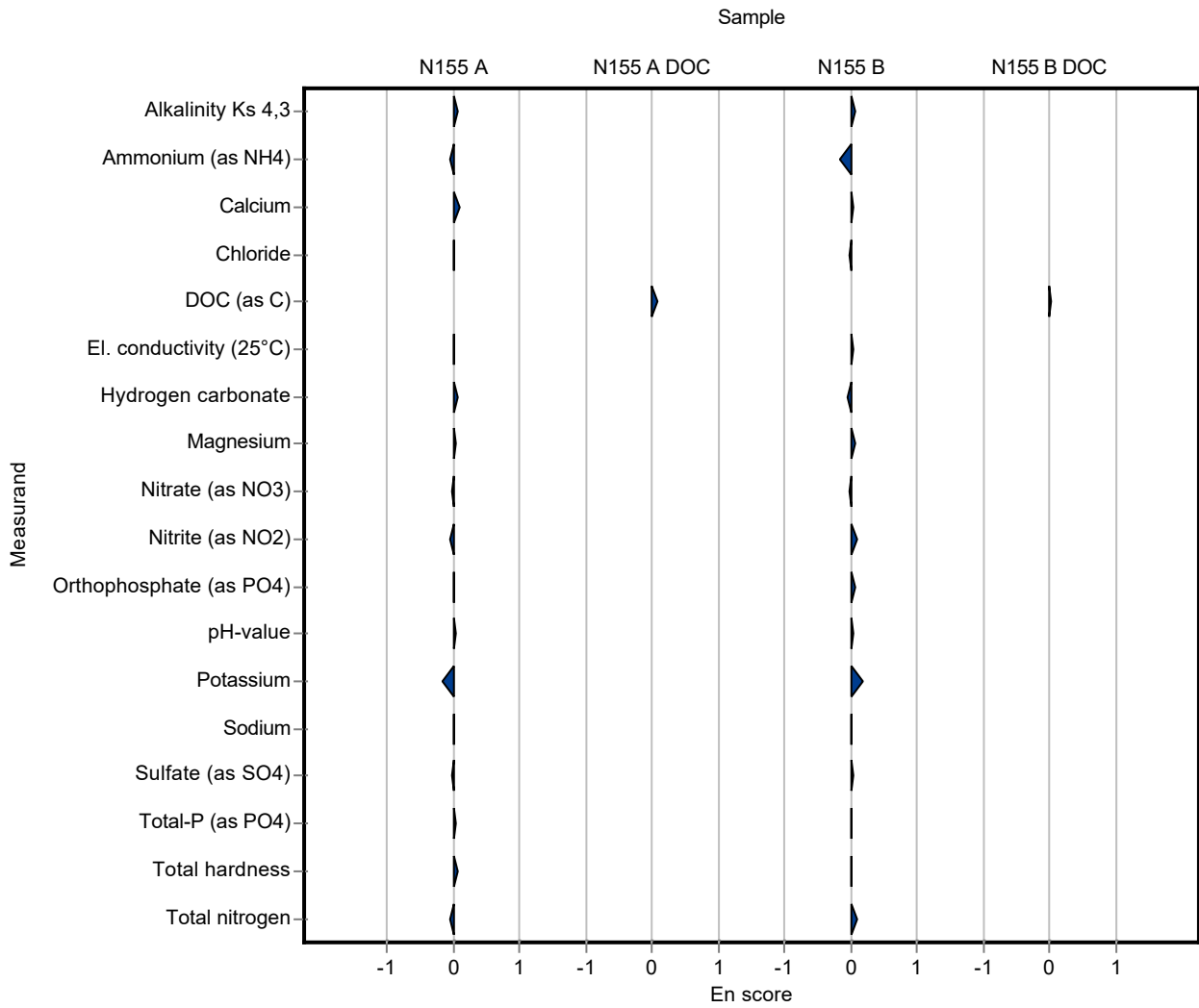
Sample: N155B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	3.11 ± 0.0171	3.13 ± 0.2	0.0622	101	0.05
Ammonium (as NH ₄)	mg/l	0.359 ± 0.00779	0.341 ± 0.05	0.0431	94.9	-0.18
Boron	mg/l	0.0189 ± 0.000778	- ± -	0.00208	-	-
Calcium	mg/l	58.7 ± 0.681	59.1 ± 5	1.82	101	0.04

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Chloride	mg/l	44.2 ± 0.341	44 ± 3	1.77	99.6	-0.03
El. conductivity (25°C)	µS/cm	517 ± 1.75	518 ± 21	6.72	100	0.02
Hydrogen carbonate	mg/l	189 ± 1.54	188 ± 8	3.78	99.5	-0.06
Magnesium	mg/l	12.5 ± 0.185	12.7 ± 1.6	0.501	101	0.06
Nitrate (as NO ₃)	mg/l	20.1 ± 0.156	20 ± 2	1.01	99.4	-0.03
Nitrite (as NO ₂)	mg/l	0.24 ± 0.00384	0.243 ± 0.02	0.0127	101	0.08
Orthophosphate (as PO ₄)	mg/l	0.235 ± 0.00356	0.24 ± 0.03	0.0212	102	0.07
pH-value	-	7.92 ± 0.0209	7.95 ± 0.4	0.158	100	0.03
Potassium	mg/l	2.94 ± 0.0476	3.11 ± 0.5	0.153	106	0.17
Sodium	mg/l	25.6 ± 0.277	25.6 ± 4	0.87	100	0.00
Sulfate (as SO ₄)	mg/l	24.7 ± 0.31	24.8 ± 2	0.815	100	0.03
Total-P (as PO ₄)	mg/l	1.1 ± 0.0151	1.1 ± 0.2	0.0824	100	0.00
Total hardness	mmol/l	2 ± 0.0126	2 ± 0.1	0.0599	100	0.02
Total nitrogen	mg/l	5.05 ± 0.0813	5.15 ± 0.5	0.42	102	0.10

Sample: N155BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	4.27 ± 0.0971	4.29 ± 0.7	0.427	101	0.02



Sample: N155A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	7.28 ± 0.029	7.28 ± 0.36	0.146	100	-0.02
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00275	- ± -	0.0102	-	-
Boron	mg/l	0.0534 ± 0.00214	- ± -	0.00588	-	-
Calcium	mg/l	155 ± 2	- ± -	4.82	-	-
Chloride	mg/l	85.1 ± 0.62	- ± -	3.4	-	-
El. conductivity (25°C)	µS/cm	1080 ± 4.42	1086 ± 30	14	101	0.49
Hydrogen carbonate	mg/l	442 ± 1.46	- ± -	8.84	-	-
Magnesium	mg/l	36.2 ± 0.459	- ± -	1.45	-	-
Nitrate (as NO ₃)	mg/l	10.7 ± 0.126	- ± -	0.537	-	-
Nitrite (as NO ₂)	mg/l	0.102 ± 0.00202	- ± -	0.00539	-	-
Orthophosphate (as PO ₄)	mg/l	0.0589 ± 0.00231	- ± -	0.0053	-	-
pH-value	-	7.73 ± 0.027	7.73 ± 0.04	0.155	100	-0.02
Potassium	mg/l	2.4 ± 0.0526	- ± -	0.125	-	-
Sodium	mg/l	21.5 ± 0.289	- ± -	0.73	-	-
Sulfate (as SO ₄)	mg/l	94.2 ± 1.02	- ± -	3.11	-	-
Total-P (as PO ₄)	mg/l	1.16 ± 0.0213	- ± -	0.0869	-	-
Total hardness	mmol/l	5.41 ± 0.0392	- ± -	0.162	-	-
Total nitrogen	mg/l	2.59 ± 0.0647	- ± -	0.215	-	-

Sample: N155ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.07 ± 0.0588	- ± -	0.207	-	-

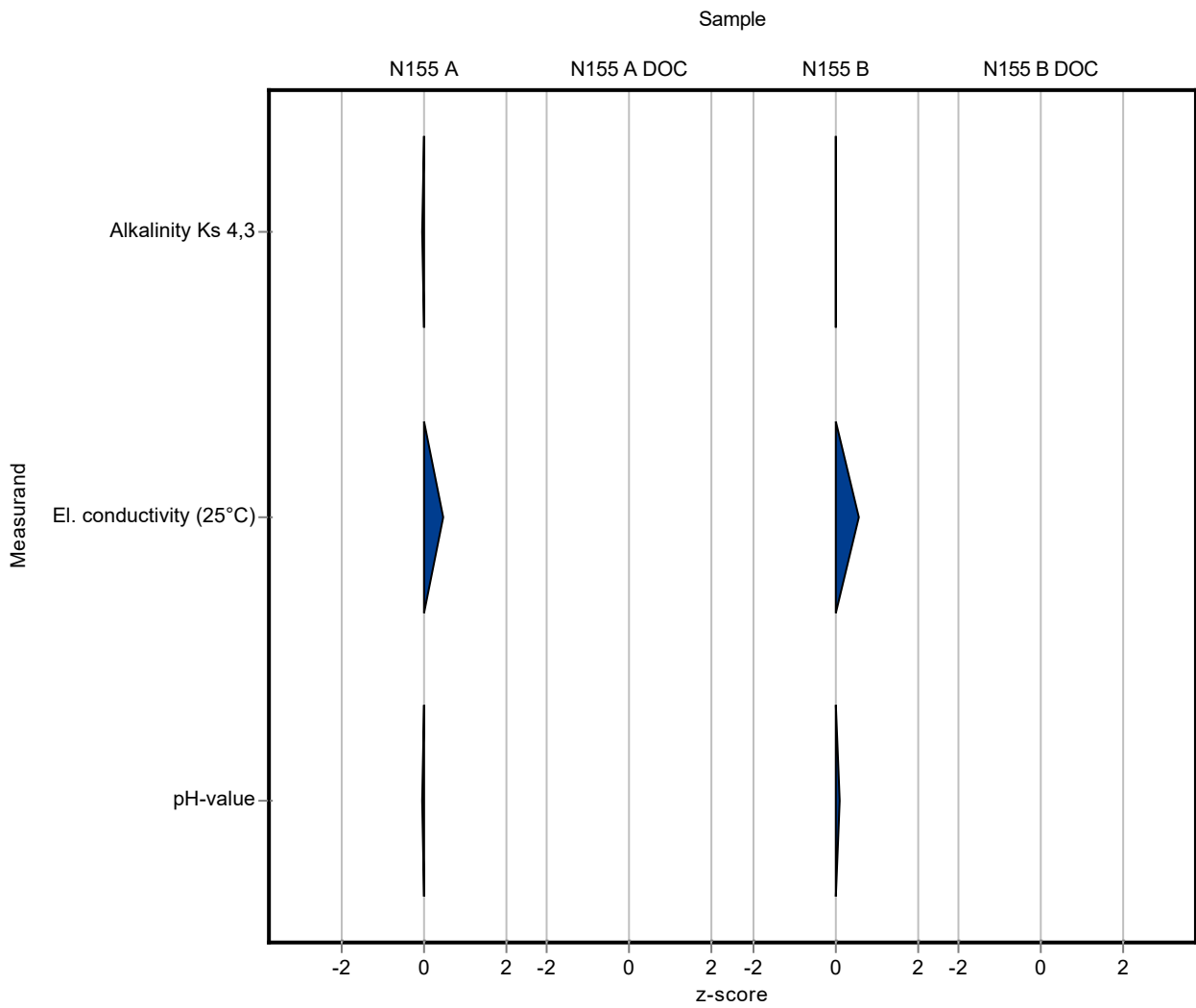
Sample: N155B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	3.11 ± 0.0171	3.11 ± 0.16	0.0622	100	0.01
Ammonium (as NH ₄)	mg/l	0.359 ± 0.00779	- ± -	0.0431	-	-
Boron	mg/l	0.0189 ± 0.000778	- ± -	0.00208	-	-
Calcium	mg/l	58.7 ± 0.681	- ± -	1.82	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Chloride	mg/l	44.2 ± 0.341	- ± -	1.77	-	-
El. conductivity (25°C)	µS/cm	517 ± 1.75	521 ± 30	6.72	101	0.58
Hydrogen carbonate	mg/l	189 ± 1.54	- ± -	3.78	-	-
Magnesium	mg/l	12.5 ± 0.185	- ± -	0.501	-	-
Nitrate (as NO ₃)	mg/l	20.1 ± 0.156	- ± -	1.01	-	-
Nitrite (as NO ₂)	mg/l	0.24 ± 0.00384	- ± -	0.0127	-	-
Orthophosphate (as PO ₄)	mg/l	0.235 ± 0.00356	- ± -	0.0212	-	-
pH-value	-	7.92 ± 0.0209	7.94 ± 0.04	0.158	100	0.10
Potassium	mg/l	2.94 ± 0.0476	- ± -	0.153	-	-
Sodium	mg/l	25.6 ± 0.277	- ± -	0.87	-	-
Sulfate (as SO ₄)	mg/l	24.7 ± 0.31	- ± -	0.815	-	-
Total-P (as PO ₄)	mg/l	1.1 ± 0.0151	- ± -	0.0824	-	-
Total hardness	mmol/l	2 ± 0.0126	- ± -	0.0599	-	-
Total nitrogen	mg/l	5.05 ± 0.0813	- ± -	0.42	-	-

Sample: N155BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	4.27 ± 0.0971	- ± -	0.427	-	-



Sample: N155A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	7.28 ± 0.029	7.28 ± 0.36	0.146	100	0.00
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00275	- ± -	0.0102	-	-
Boron	mg/l	0.0534 ± 0.00214	- ± -	0.00588	-	-
Calcium	mg/l	155 ± 2	- ± -	4.82	-	-
Chloride	mg/l	85.1 ± 0.62	- ± -	3.4	-	-
El. conductivity (25°C)	µS/cm	1080 ± 4.42	1086 ± 30	14	101	0.12
Hydrogen carbonate	mg/l	442 ± 1.46	- ± -	8.84	-	-
Magnesium	mg/l	36.2 ± 0.459	- ± -	1.45	-	-
Nitrate (as NO ₃)	mg/l	10.7 ± 0.126	- ± -	0.537	-	-
Nitrite (as NO ₂)	mg/l	0.102 ± 0.00202	- ± -	0.00539	-	-
Orthophosphate (as PO ₄)	mg/l	0.0589 ± 0.00231	- ± -	0.0053	-	-
pH-value	-	7.73 ± 0.027	7.73 ± 0.04	0.155	100	-0.03
Potassium	mg/l	2.4 ± 0.0526	- ± -	0.125	-	-
Sodium	mg/l	21.5 ± 0.289	- ± -	0.73	-	-
Sulfate (as SO ₄)	mg/l	94.2 ± 1.02	- ± -	3.11	-	-
Total-P (as PO ₄)	mg/l	1.16 ± 0.0213	- ± -	0.0869	-	-
Total hardness	mmol/l	5.41 ± 0.0392	- ± -	0.162	-	-
Total nitrogen	mg/l	2.59 ± 0.0647	- ± -	0.215	-	-

Sample: N155ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	2.07 ± 0.0588	- ± -	0.207	-	-

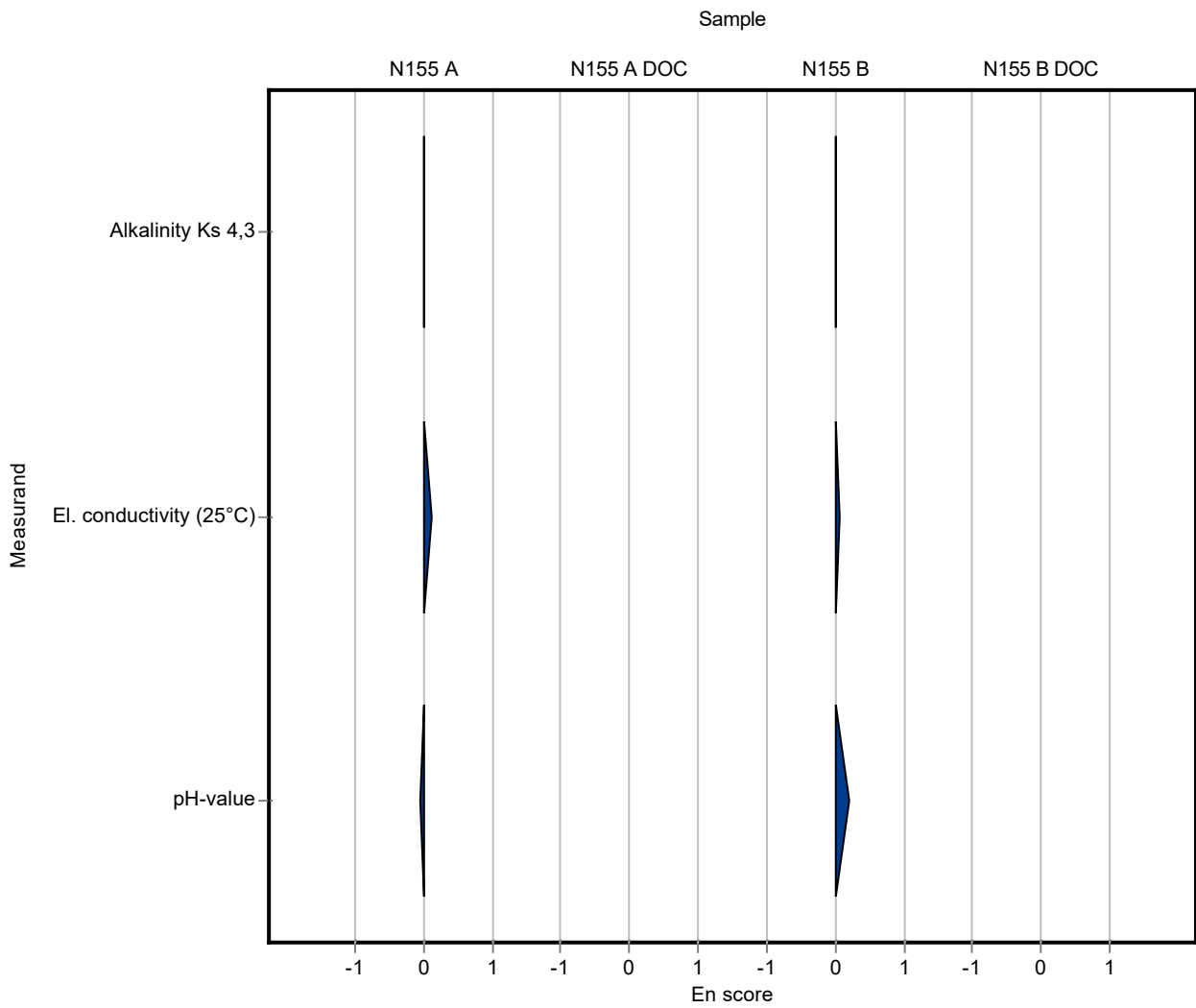
Sample: N155B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	3.11 ± 0.0171	3.11 ± 0.16	0.0622	100	0.00
Ammonium (as NH ₄)	mg/l	0.359 ± 0.00779	- ± -	0.0431	-	-
Boron	mg/l	0.0189 ± 0.000778	- ± -	0.00208	-	-
Calcium	mg/l	58.7 ± 0.681	- ± -	1.82	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Chloride	mg/l	44.2 ± 0.341	- ± -	1.77	-	-
El. conductivity (25°C)	µS/cm	517 ± 1.75	521 ± 30	6.72	101	0.07
Hydrogen carbonate	mg/l	189 ± 1.54	- ± -	3.78	-	-
Magnesium	mg/l	12.5 ± 0.185	- ± -	0.501	-	-
Nitrate (as NO ₃)	mg/l	20.1 ± 0.156	- ± -	1.01	-	-
Nitrite (as NO ₂)	mg/l	0.24 ± 0.00384	- ± -	0.0127	-	-
Orthophosphate (as PO ₄)	mg/l	0.235 ± 0.00356	- ± -	0.0212	-	-
pH-value	-	7.92 ± 0.0209	7.94 ± 0.04	0.158	100	0.20
Potassium	mg/l	2.94 ± 0.0476	- ± -	0.153	-	-
Sodium	mg/l	25.6 ± 0.277	- ± -	0.87	-	-
Sulfate (as SO ₄)	mg/l	24.7 ± 0.31	- ± -	0.815	-	-
Total-P (as PO ₄)	mg/l	1.1 ± 0.0151	- ± -	0.0824	-	-
Total hardness	mmol/l	2 ± 0.0126	- ± -	0.0599	-	-
Total nitrogen	mg/l	5.05 ± 0.0813	- ± -	0.42	-	-

Sample: N155BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	4.27 ± 0.0971	- ± -	0.427	-	-



Sample: N155A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	7.28 ± 0.029	7.35 ± 0.81	0.146	101	0.46
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00275	0.0987 ± 0.0197	0.0102	116	1.30
Boron	mg/l	0.0534 ± 0.00214	0.0595 ± 0.0071	0.00588	111	1.03
Calcium	mg/l	155 ± 2	162 ± 49	4.82	104	1.39
Chloride	mg/l	85.1 ± 0.62	78.2 ± 13.3	3.4	91.9	-2.01
El. conductivity (25°C)	µS/cm	1080 ± 4.42	1080 ± 38	14	100	0.07
Hydrogen carbonate	mg/l	442 ± 1.46	437 ± 131	8.84	98.9	-0.57
Magnesium	mg/l	36.2 ± 0.459	35.8 ± 10.7	1.45	98.9	-0.27
Nitrate (as NO ₃)	mg/l	10.7 ± 0.126	10.7 ± 0.9	0.537	99.6	-0.07
Nitrite (as NO ₂)	mg/l	0.102 ± 0.00202	0.0917 ± 0.0128	0.00539	90.1	-1.87
Orthophosphate (as PO ₄)	mg/l	0.0589 ± 0.00231	<0.5 (LOQ) ± -	0.0053	-	-
pH-value	-	7.73 ± 0.027	7.73 ± 0.26	0.155	100	-0.02
Potassium	mg/l	2.4 ± 0.0526	2.44 ± 0.73	0.125	102	0.34
Sodium	mg/l	21.5 ± 0.289	22.4 ± 6.7	0.73	104	1.26
Sulfate (as SO ₄)	mg/l	94.2 ± 1.02	88.8 ± 8.9	3.11	94.2	-1.75
Total-P (as PO ₄)	mg/l	1.16 ± 0.0213	1.16 ± 0.35	0.0869	100	0.02
Total hardness	mmol/l	5.41 ± 0.0392	5.51 ± 1.65	0.162	102	0.61
Total nitrogen	mg/l	2.59 ± 0.0647	0.248 ± 0.074	0.215	9.59	-10.90

Sample: N155ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.07 ± 0.0588	2.24 ± 0.67	0.207	108	0.80

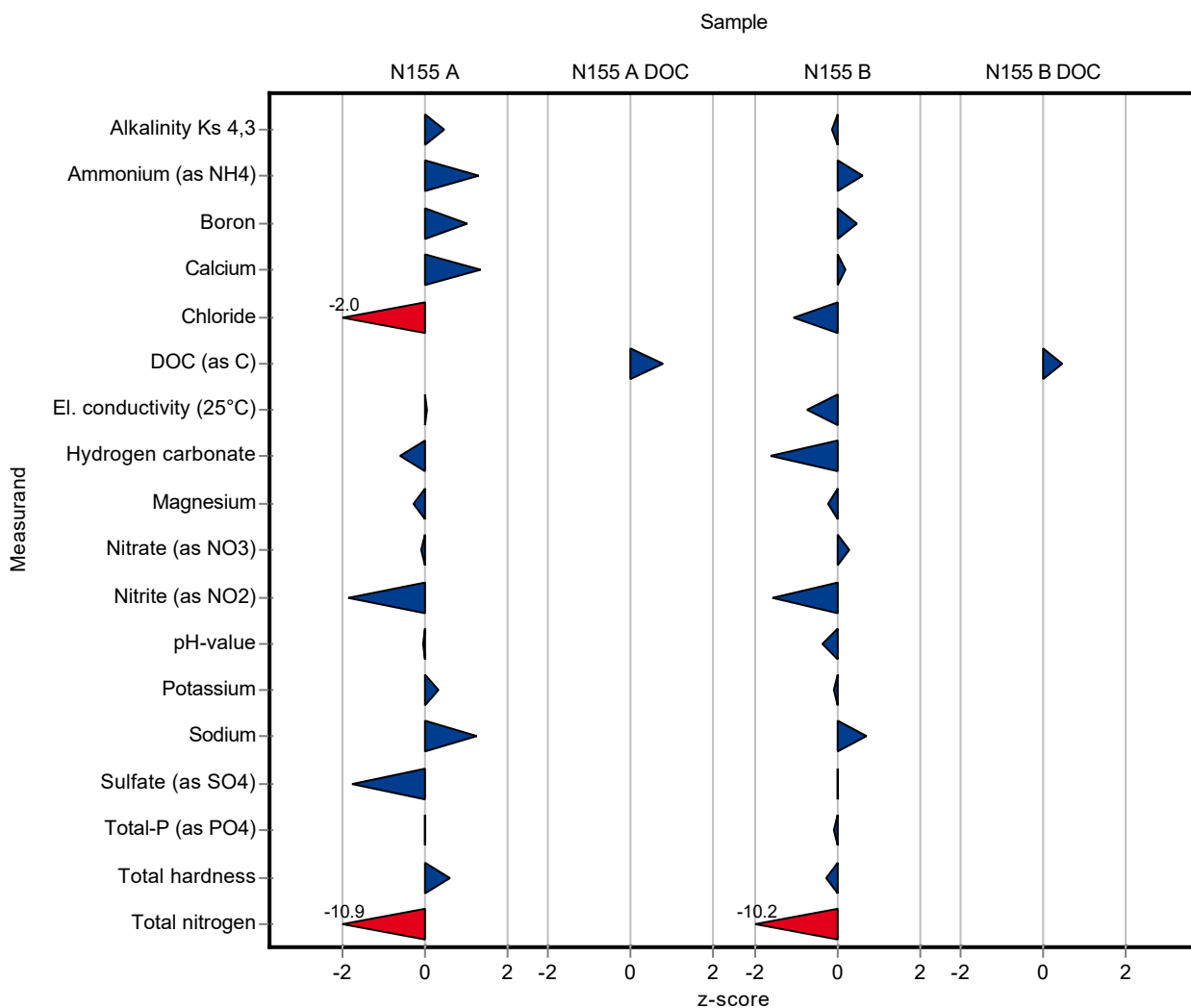
Sample: N155B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	3.11 ± 0.0171	3.1 ± 0.34	0.0622	99.7	-0.15
Ammonium (as NH ₄)	mg/l	0.359 ± 0.00779	0.385 ± 0.077	0.0431	107	0.60
Boron	mg/l	0.0189 ± 0.000778	0.0199 ± 0.0024	0.00208	105	0.46
Calcium	mg/l	58.7 ± 0.681	59.1 ± 17.7	1.82	101	0.20

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Chloride	mg/l	44.2 ± 0.341	42.3 ± 7.2	1.77	95.7	-1.07
El. conductivity (25°C)	µS/cm	517 ± 1.75	512 ± 18	6.72	99	-0.76
Hydrogen carbonate	mg/l	189 ± 1.54	183 ± 55	3.78	96.8	-1.60
Magnesium	mg/l	12.5 ± 0.185	12.4 ± 3.7	0.501	99	-0.24
Nitrate (as NO ₃)	mg/l	20.1 ± 0.156	20.4 ± 1.6	1.01	101	0.28
Nitrite (as NO ₂)	mg/l	0.24 ± 0.00384	0.22 ± 0.031	0.0127	91.7	-1.56
Orthophosphate (as PO ₄)	mg/l	0.235 ± 0.00356	<0.5 (LOQ) ± -	0.0212	-	-
pH-value	-	7.92 ± 0.0209	7.87 ± 0.26	0.158	99.3	-0.34
Potassium	mg/l	2.94 ± 0.0476	2.93 ± 0.88	0.153	99.6	-0.07
Sodium	mg/l	25.6 ± 0.277	26.2 ± 7.9	0.87	102	0.72
Sulfate (as SO ₄)	mg/l	24.7 ± 0.31	24.7 ± 2.5	0.815	100	0.02
Total-P (as PO ₄)	mg/l	1.1 ± 0.0151	1.09 ± 0.33	0.0824	99.3	-0.10
Total hardness	mmol/l	2 ± 0.0126	1.98 ± 0.59	0.0599	99.2	-0.27
Total nitrogen	mg/l	5.05 ± 0.0813	0.779 ± 0.234	0.42	15.4	-10.20

Sample: N155BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	4.27 ± 0.0971	4.45 ± 1.34	0.427	104	0.43



Sample: N155A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	7.28 ± 0.029	7.35 ± 0.81	0.146	101	0.04
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00275	0.0987 ± 0.0197	0.0102	116	0.34
Boron	mg/l	0.0534 ± 0.00214	0.0595 ± 0.0071	0.00588	111	0.42
Calcium	mg/l	155 ± 2	162 ± 49	4.82	104	0.07
Chloride	mg/l	85.1 ± 0.62	78.2 ± 13.3	3.4	91.9	-0.26
El. conductivity (25°C)	µS/cm	1080 ± 4.42	1080 ± 38	14	100	0.01
Hydrogen carbonate	mg/l	442 ± 1.46	437 ± 131	8.84	98.9	-0.02
Magnesium	mg/l	36.2 ± 0.459	35.8 ± 10.7	1.45	98.9	-0.02
Nitrate (as NO ₃)	mg/l	10.7 ± 0.126	10.7 ± 0.9	0.537	99.6	-0.02
Nitrite (as NO ₂)	mg/l	0.102 ± 0.00202	0.0917 ± 0.0128	0.00539	90.1	-0.39
Orthophosphate (as PO ₄)	mg/l	0.0589 ± 0.00231	<0.5 (LOQ) ± -	0.0053	-	-
pH-value	-	7.73 ± 0.027	7.73 ± 0.26	0.155	100	-0.01
Potassium	mg/l	2.4 ± 0.0526	2.44 ± 0.73	0.125	102	0.03
Sodium	mg/l	21.5 ± 0.289	22.4 ± 6.7	0.73	104	0.07
Sulfate (as SO ₄)	mg/l	94.2 ± 1.02	88.8 ± 8.9	3.11	94.2	-0.30
Total-P (as PO ₄)	mg/l	1.16 ± 0.0213	1.16 ± 0.35	0.0869	100	0.00
Total hardness	mmol/l	5.41 ± 0.0392	5.51 ± 1.65	0.162	102	0.03
Total nitrogen	mg/l	2.59 ± 0.0647	0.248 ± 0.074	0.215	9.59	-14.50

Sample: N155ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	2.07 ± 0.0588	2.24 ± 0.67	0.207	108	0.12

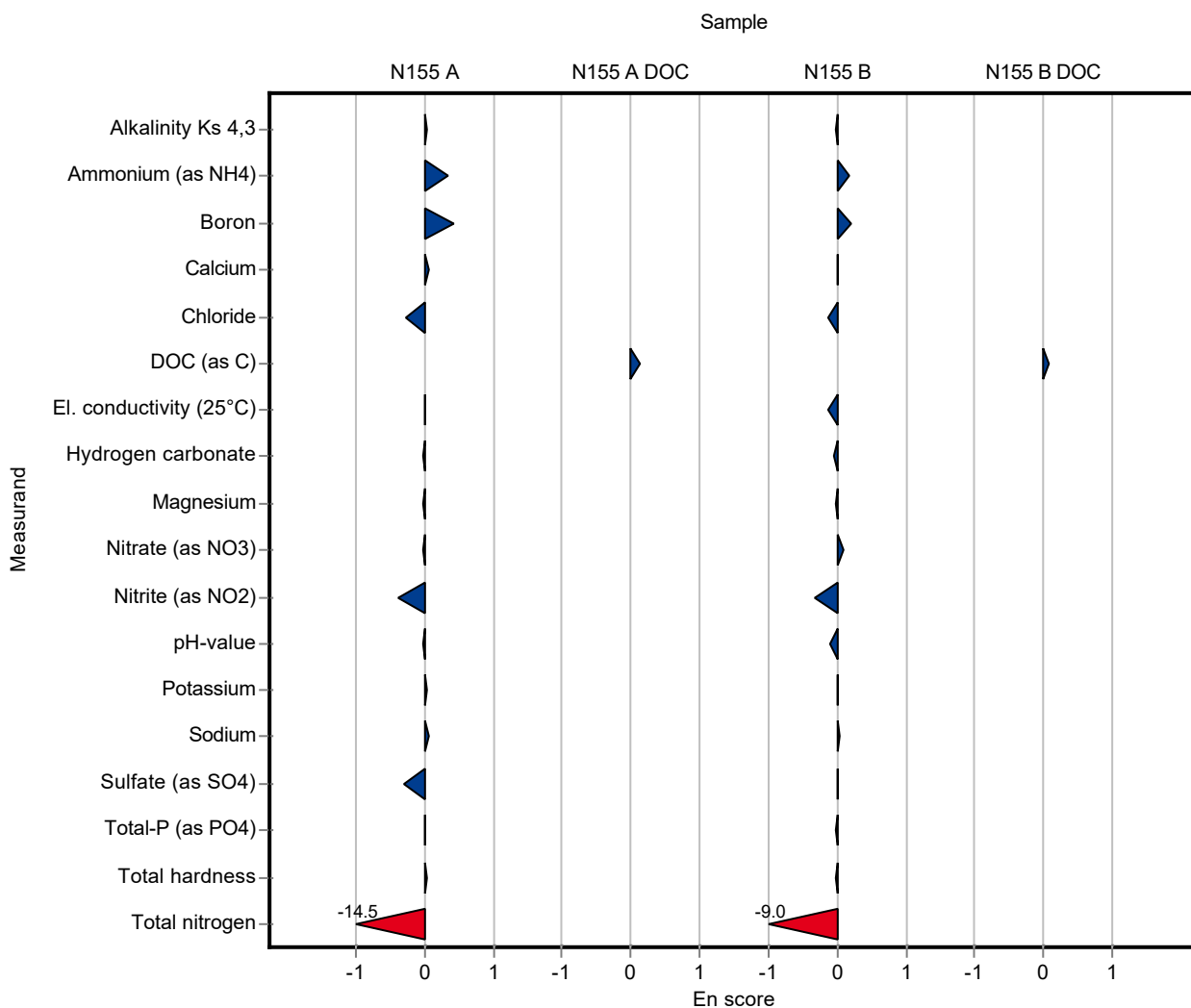
Sample: N155B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	3.11 ± 0.0171	3.1 ± 0.34	0.0622	99.7	-0.01
Ammonium (as NH ₄)	mg/l	0.359 ± 0.00779	0.385 ± 0.077	0.0431	107	0.17
Boron	mg/l	0.0189 ± 0.000778	0.0199 ± 0.0024	0.00208	105	0.20
Calcium	mg/l	58.7 ± 0.681	59.1 ± 17.7	1.82	101	0.01

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Chloride	mg/l	44.2 ± 0.341	42.3 ± 7.2	1.77	95.7	-0.13
El. conductivity (25°C)	µS/cm	517 ± 1.75	512 ± 18	6.72	99	-0.14
Hydrogen carbonate	mg/l	189 ± 1.54	183 ± 55	3.78	96.8	-0.05
Magnesium	mg/l	12.5 ± 0.185	12.4 ± 3.7	0.501	99	-0.02
Nitrate (as NO ₃)	mg/l	20.1 ± 0.156	20.4 ± 1.6	1.01	101	0.09
Nitrite (as NO ₂)	mg/l	0.24 ± 0.00384	0.22 ± 0.031	0.0127	91.7	-0.32
Orthophosphate (as PO ₄)	mg/l	0.235 ± 0.00356	<0.5 (LOQ) ± -	0.0212	-	-
pH-value	-	7.92 ± 0.0209	7.87 ± 0.26	0.158	99.3	-0.10
Potassium	mg/l	2.94 ± 0.0476	2.93 ± 0.88	0.153	99.6	-0.01
Sodium	mg/l	25.6 ± 0.277	26.2 ± 7.9	0.87	102	0.04
Sulfate (as SO ₄)	mg/l	24.7 ± 0.31	24.7 ± 2.5	0.815	100	0.00
Total-P (as PO ₄)	mg/l	1.1 ± 0.0151	1.09 ± 0.33	0.0824	99.3	-0.01
Total hardness	mmol/l	2 ± 0.0126	1.98 ± 0.59	0.0599	99.2	-0.01
Total nitrogen	mg/l	5.05 ± 0.0813	0.779 ± 0.234	0.42	15.4	-9.00

Sample: N155BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	4.27 ± 0.0971	4.45 ± 1.34	0.427	104	0.07



Sample: N155A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	7.28 ± 0.029	7.39 ± 0.74	0.146	101	0.73
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00275	0.085 ± 0.034	0.0102	99.6	-0.03
Boron	mg/l	0.0534 ± 0.00214	0.054 ± 0.014	0.00588	101	0.09
Calcium	mg/l	155 ± 2	142 ± 21	4.82	91.4	-2.77
Chloride	mg/l	85.1 ± 0.62	86 ± 13	3.4	101	0.28
El. conductivity (25°C)	µS/cm	1080 ± 4.42	1116 ± 223	14	103	2.63
Hydrogen carbonate	mg/l	442 ± 1.46	451 ± 45	8.84	102	1.02
Magnesium	mg/l	36.2 ± 0.459	33.3 ± 5	1.45	92	-1.99
Nitrate (as NO ₃)	mg/l	10.7 ± 0.126	11 ± 1.7	0.537	102	0.48
Nitrite (as NO ₂)	mg/l	0.102 ± 0.00202	0.094 ± 0.019	0.00539	92.4	-1.44
Orthophosphate (as PO ₄)	mg/l	0.0589 ± 0.00231	<0.15 (LOQ) ± -	0.0053	-	-
pH-value	-	7.73 ± 0.027	7.8 ± 0.2	0.155	101	0.43
Potassium	mg/l	2.4 ± 0.0526	2.2 ± 0.33	0.125	91.8	-1.58
Sodium	mg/l	21.5 ± 0.289	20.4 ± 3.1	0.73	95	-1.48
Sulfate (as SO ₄)	mg/l	94.2 ± 1.02	98 ± 15	3.11	104	1.21
Total-P (as PO ₄)	mg/l	1.16 ± 0.0213	1.13 ± 0.28	0.0869	97.6	-0.32
Total hardness	mmol/l	5.41 ± 0.0392	5.4 ± 0.54	0.162	99.8	-0.07
Total nitrogen	mg/l	2.59 ± 0.0647	2.8 ± 0.4	0.215	108	1.00

Sample: N155ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.07 ± 0.0588	2.2 ± 0.7	0.207	106	0.61

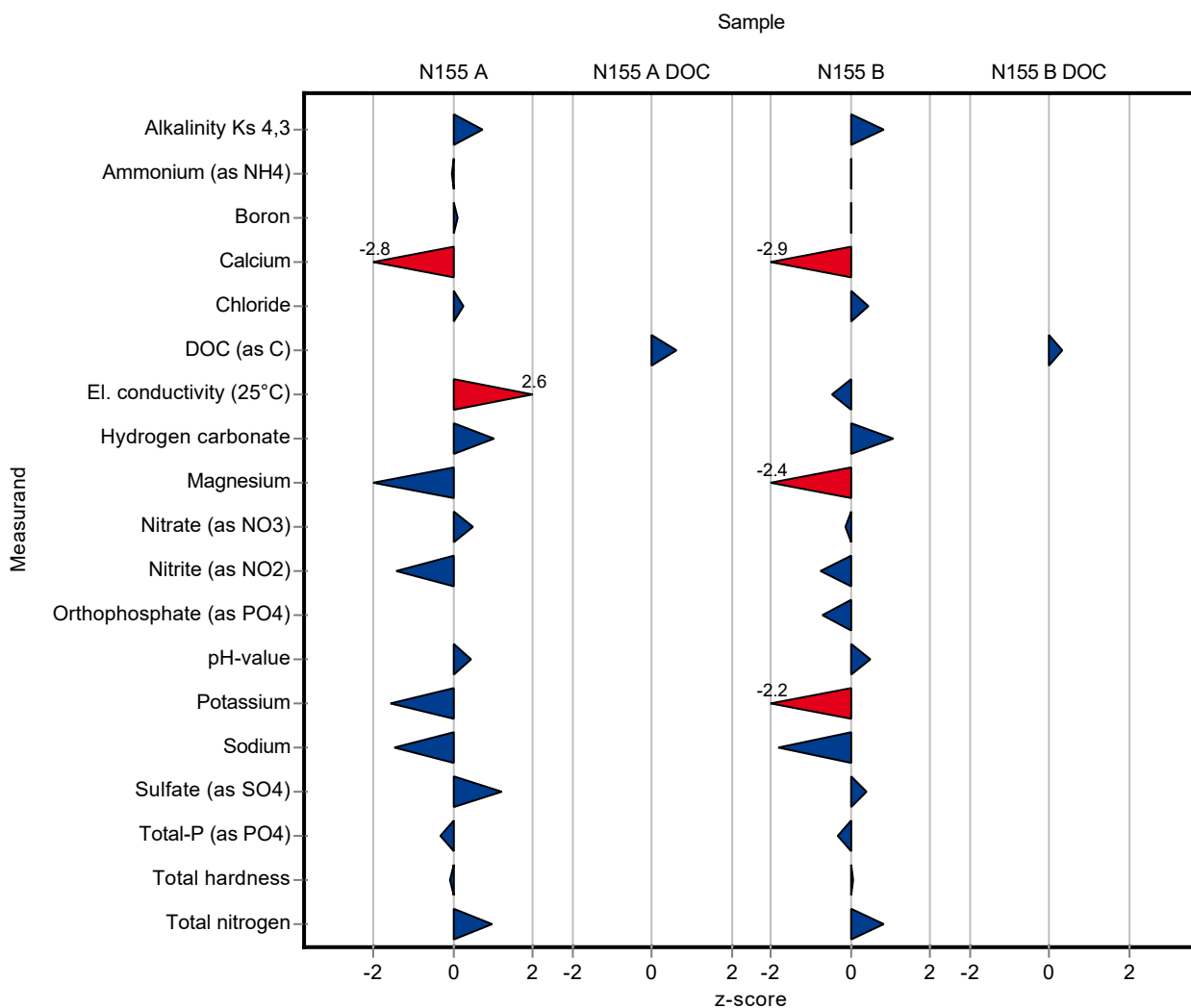
Sample: N155B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	3.11 ± 0.0171	3.16 ± 0.32	0.0622	102	0.81
Ammonium (as NH ₄)	mg/l	0.359 ± 0.00779	0.36 ± 0.14	0.0431	100	0.02
Boron	mg/l	0.0189 ± 0.000778	0.019 ± 0.005	0.00208	100	0.03
Calcium	mg/l	58.7 ± 0.681	53.5 ± 8	1.82	91.1	-2.88

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Chloride	mg/l	44.2 ± 0.341	45 ± 7	1.77	102	0.46
El. conductivity (25°C)	µS/cm	517 ± 1.75	514 ± 103	6.72	99.4	-0.46
Hydrogen carbonate	mg/l	189 ± 1.54	193 ± 19	3.78	102	1.05
Magnesium	mg/l	12.5 ± 0.185	11.3 ± 1.7	0.501	90.2	-2.44
Nitrate (as NO ₃)	mg/l	20.1 ± 0.156	20 ± 3	1.01	99.4	-0.11
Nitrite (as NO ₂)	mg/l	0.24 ± 0.00384	0.23 ± 0.05	0.0127	95.9	-0.77
Orthophosphate (as PO ₄)	mg/l	0.235 ± 0.00356	0.22 ± 0.04	0.0212	93.4	-0.73
pH-value	-	7.92 ± 0.0209	8 ± 0.2	0.158	101	0.48
Potassium	mg/l	2.94 ± 0.0476	2.6 ± 0.4	0.153	88.4	-2.23
Sodium	mg/l	25.6 ± 0.277	24 ± 3.6	0.87	93.8	-1.81
Sulfate (as SO ₄)	mg/l	24.7 ± 0.31	25 ± 4	0.815	101	0.39
Total-P (as PO ₄)	mg/l	1.1 ± 0.0151	1.07 ± 0.27	0.0824	97.4	-0.34
Total hardness	mmol/l	2 ± 0.0126	2 ± 0.2	0.0599	100	0.06
Total nitrogen	mg/l	5.05 ± 0.0813	5.4 ± 0.8	0.42	107	0.82

Sample: N155BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	4.27 ± 0.0971	4.4 ± 1.3	0.427	103	0.31



Sample: N155A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	7.28 ± 0.029	7.39 ± 0.74	0.146	101	0.07
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00275	0.085 ± 0.034	0.0102	99.6	-0.01
Boron	mg/l	0.0534 ± 0.00214	0.054 ± 0.014	0.00588	101	0.02
Calcium	mg/l	155 ± 2	142 ± 21	4.82	91.4	-0.32
Chloride	mg/l	85.1 ± 0.62	86 ± 13	3.4	101	0.04
El. conductivity (25°C)	µS/cm	1080 ± 4.42	1116 ± 223	14	103	0.08
Hydrogen carbonate	mg/l	442 ± 1.46	451 ± 45	8.84	102	0.10
Magnesium	mg/l	36.2 ± 0.459	33.3 ± 5	1.45	92	-0.29
Nitrate (as NO ₃)	mg/l	10.7 ± 0.126	11 ± 1.7	0.537	102	0.08
Nitrite (as NO ₂)	mg/l	0.102 ± 0.00202	0.094 ± 0.019	0.00539	92.4	-0.20
Orthophosphate (as PO ₄)	mg/l	0.0589 ± 0.00231	<0.15 (LOQ) ± -	0.0053	-	-
pH-value	-	7.73 ± 0.027	7.8 ± 0.2	0.155	101	0.17
Potassium	mg/l	2.4 ± 0.0526	2.2 ± 0.33	0.125	91.8	-0.30
Sodium	mg/l	21.5 ± 0.289	20.4 ± 3.1	0.73	95	-0.17
Sulfate (as SO ₄)	mg/l	94.2 ± 1.02	98 ± 15	3.11	104	0.13
Total-P (as PO ₄)	mg/l	1.16 ± 0.0213	1.13 ± 0.28	0.0869	97.6	-0.05
Total hardness	mmol/l	5.41 ± 0.0392	5.4 ± 0.54	0.162	99.8	-0.01
Total nitrogen	mg/l	2.59 ± 0.0647	2.8 ± 0.4	0.215	108	0.27

Sample: N155ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	2.07 ± 0.0588	2.2 ± 0.7	0.207	106	0.09

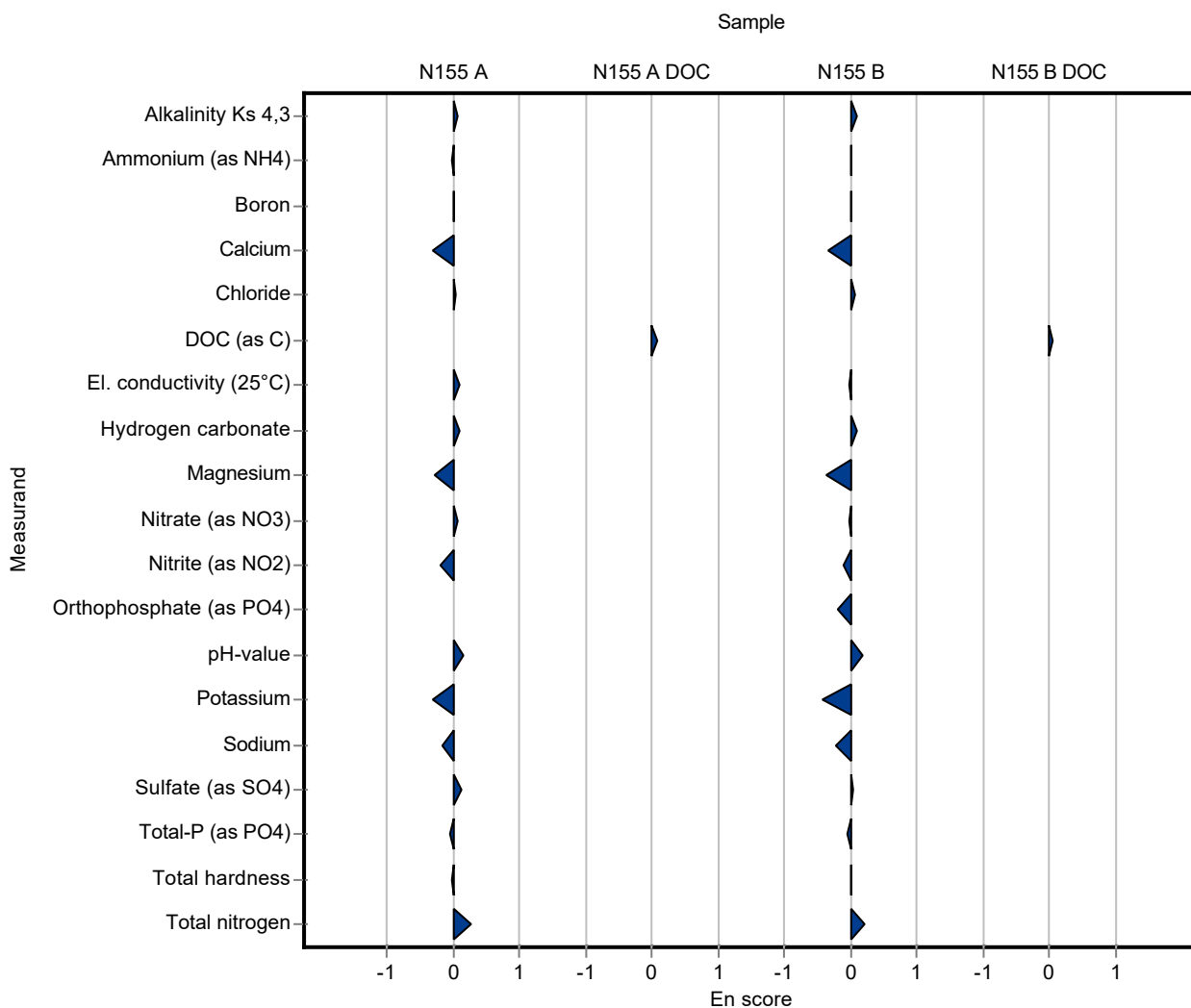
Sample: N155B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	3.11 ± 0.0171	3.16 ± 0.32	0.0622	102	0.08
Ammonium (as NH ₄)	mg/l	0.359 ± 0.00779	0.36 ± 0.14	0.0431	100	0.00
Boron	mg/l	0.0189 ± 0.000778	0.019 ± 0.005	0.00208	100	0.01
Calcium	mg/l	58.7 ± 0.681	53.5 ± 8	1.82	91.1	-0.33

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Chloride	mg/l	44.2 ± 0.341	45 ± 7	1.77	102	0.06
El. conductivity (25°C)	µS/cm	517 ± 1.75	514 ± 103	6.72	99.4	-0.01
Hydrogen carbonate	mg/l	189 ± 1.54	193 ± 19	3.78	102	0.10
Magnesium	mg/l	12.5 ± 0.185	11.3 ± 1.7	0.501	90.2	-0.36
Nitrate (as NO ₃)	mg/l	20.1 ± 0.156	20 ± 3	1.01	99.4	-0.02
Nitrite (as NO ₂)	mg/l	0.24 ± 0.00384	0.23 ± 0.05	0.0127	95.9	-0.10
Orthophosphate (as PO ₄)	mg/l	0.235 ± 0.00356	0.22 ± 0.04	0.0212	93.4	-0.19
pH-value	-	7.92 ± 0.0209	8 ± 0.2	0.158	101	0.19
Potassium	mg/l	2.94 ± 0.0476	2.6 ± 0.4	0.153	88.4	-0.42
Sodium	mg/l	25.6 ± 0.277	24 ± 3.6	0.87	93.8	-0.22
Sulfate (as SO ₄)	mg/l	24.7 ± 0.31	25 ± 4	0.815	101	0.04
Total-P (as PO ₄)	mg/l	1.1 ± 0.0151	1.07 ± 0.27	0.0824	97.4	-0.05
Total hardness	mmol/l	2 ± 0.0126	2 ± 0.2	0.0599	100	0.01
Total nitrogen	mg/l	5.05 ± 0.0813	5.4 ± 0.8	0.42	107	0.22

Sample: N155BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	4.27 ± 0.0971	4.4 ± 1.3	0.427	103	0.05



Sample: N155A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	7.28 ± 0.029	7.35 ± 0.18	0.146	101	0.46
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00275	0.087 ± 0.009	0.0102	102	0.16
Boron	mg/l	0.0534 ± 0.00214	0.052 ± 0.005	0.00588	97.3	-0.24
Calcium	mg/l	155 ± 2	160 ± 16	4.82	103	0.97
Chloride	mg/l	85.1 ± 0.62	84.7 ± 8.5	3.4	99.6	-0.10
El. conductivity (25°C)	µS/cm	1080 ± 4.42	1100 ± 27.5	14	102	1.49
Hydrogen carbonate	mg/l	442 ± 1.46	445 ± 11.1	8.84	101	0.34
Magnesium	mg/l	36.2 ± 0.459	36.5 ± 3.65	1.45	101	0.22
Nitrate (as NO ₃)	mg/l	10.7 ± 0.126	10.5 ± 0.11	0.537	97.8	-0.45
Nitrite (as NO ₂)	mg/l	0.102 ± 0.00202	0.1 ± 0.01	0.00539	98.3	-0.33
Orthophosphate (as PO ₄)	mg/l	0.0589 ± 0.00231	0.069 ± 0.007	0.0053	117	1.91
pH-value	-	7.73 ± 0.027	7.7 ± 0.2	0.155	99.6	-0.21
Potassium	mg/l	2.4 ± 0.0526	2.44 ± 0.24	0.125	102	0.34
Sodium	mg/l	21.5 ± 0.289	20.9 ± 2.1	0.73	97.3	-0.80
Sulfate (as SO ₄)	mg/l	94.2 ± 1.02	97.6 ± 9.8	3.11	104	1.08
Total-P (as PO ₄)	mg/l	1.16 ± 0.0213	1.1 ± 0.11	0.0869	95	-0.67
Total hardness	mmol/l	5.41 ± 0.0392	5.5 ± 0.55	0.162	102	0.55
Total nitrogen	mg/l	2.59 ± 0.0647	2.4 ± 0.24	0.215	92.8	-0.86

Sample: N155ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.07 ± 0.0588	2.27 ± 0.23	0.207	109	0.94

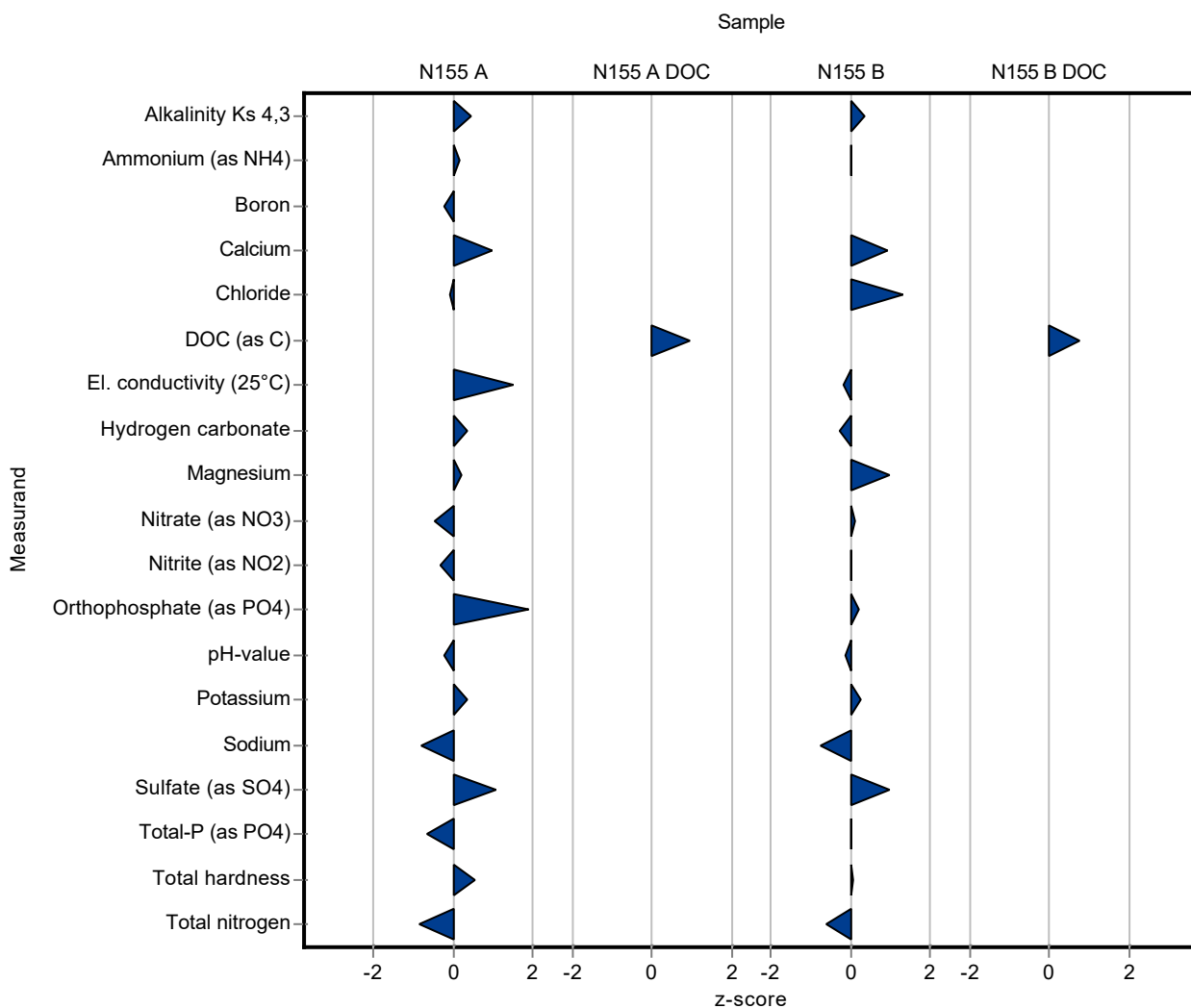
Sample: N155B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	3.11 ± 0.0171	3.13 ± 0.08	0.0622	101	0.33
Ammonium (as NH ₄)	mg/l	0.359 ± 0.00779	0.36 ± 0.04	0.0431	100	0.02
Boron	mg/l	0.0189 ± 0.000778	<0.02 (LOQ) ± -	0.00208	-	-
Calcium	mg/l	58.7 ± 0.681	60.4 ± 6	1.82	103	0.91

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Chloride	mg/l	44.2 ± 0.341	46.5 ± 4.7	1.77	105	1.31
El. conductivity (25°C)	µS/cm	517 ± 1.75	516 ± 12.9	6.72	99.8	-0.16
Hydrogen carbonate	mg/l	189 ± 1.54	188 ± 4.7	3.78	99.5	-0.27
Magnesium	mg/l	12.5 ± 0.185	13 ± 1.3	0.501	104	0.95
Nitrate (as NO ₃)	mg/l	20.1 ± 0.156	20.2 ± 2	1.01	100	0.09
Nitrite (as NO ₂)	mg/l	0.24 ± 0.00384	0.24 ± 0.024	0.0127	100	0.02
Orthophosphate (as PO ₄)	mg/l	0.235 ± 0.00356	0.24 ± 0.024	0.0212	102	0.21
pH-value	-	7.92 ± 0.0209	7.9 ± 0.2	0.158	99.7	-0.15
Potassium	mg/l	2.94 ± 0.0476	2.98 ± 0.3	0.153	101	0.26
Sodium	mg/l	25.6 ± 0.277	24.9 ± 2.5	0.87	97.4	-0.78
Sulfate (as SO ₄)	mg/l	24.7 ± 0.31	25.5 ± 2.6	0.815	103	1.00
Total-P (as PO ₄)	mg/l	1.1 ± 0.0151	1.1 ± 0.11	0.0824	100	0.02
Total hardness	mmol/l	2 ± 0.0126	2 ± 0.2	0.0599	100	0.06
Total nitrogen	mg/l	5.05 ± 0.0813	4.8 ± 0.48	0.42	95	-0.61

Sample: N155BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	4.27 ± 0.0971	4.58 ± 0.46	0.427	107	0.74



Sample: N155A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	7.28 ± 0.029	7.35 ± 0.18	0.146	101	0.18
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00275	0.087 ± 0.009	0.0102	102	0.09
Boron	mg/l	0.0534 ± 0.00214	0.052 ± 0.005	0.00588	97.3	-0.14
Calcium	mg/l	155 ± 2	160 ± 16	4.82	103	0.15
Chloride	mg/l	85.1 ± 0.62	84.7 ± 8.5	3.4	99.6	-0.02
El. conductivity (25°C)	µS/cm	1080 ± 4.42	1100 ± 27.5	14	102	0.38
Hydrogen carbonate	mg/l	442 ± 1.46	445 ± 11.1	8.84	101	0.13
Magnesium	mg/l	36.2 ± 0.459	36.5 ± 3.65	1.45	101	0.04
Nitrate (as NO ₃)	mg/l	10.7 ± 0.126	10.5 ± 0.11	0.537	97.8	-0.95
Nitrite (as NO ₂)	mg/l	0.102 ± 0.00202	0.1 ± 0.01	0.00539	98.3	-0.09
Orthophosphate (as PO ₄)	mg/l	0.0589 ± 0.00231	0.069 ± 0.007	0.0053	117	0.71
pH-value	-	7.73 ± 0.027	7.7 ± 0.2	0.155	99.6	-0.08
Potassium	mg/l	2.4 ± 0.0526	2.44 ± 0.24	0.125	102	0.09
Sodium	mg/l	21.5 ± 0.289	20.9 ± 2.1	0.73	97.3	-0.14
Sulfate (as SO ₄)	mg/l	94.2 ± 1.02	97.6 ± 9.8	3.11	104	0.17
Total-P (as PO ₄)	mg/l	1.16 ± 0.0213	1.1 ± 0.11	0.0869	95	-0.26
Total hardness	mmol/l	5.41 ± 0.0392	5.5 ± 0.55	0.162	102	0.08
Total nitrogen	mg/l	2.59 ± 0.0647	2.4 ± 0.24	0.215	92.8	-0.38

Sample: N155ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	2.07 ± 0.0588	2.27 ± 0.23	0.207	109	0.42

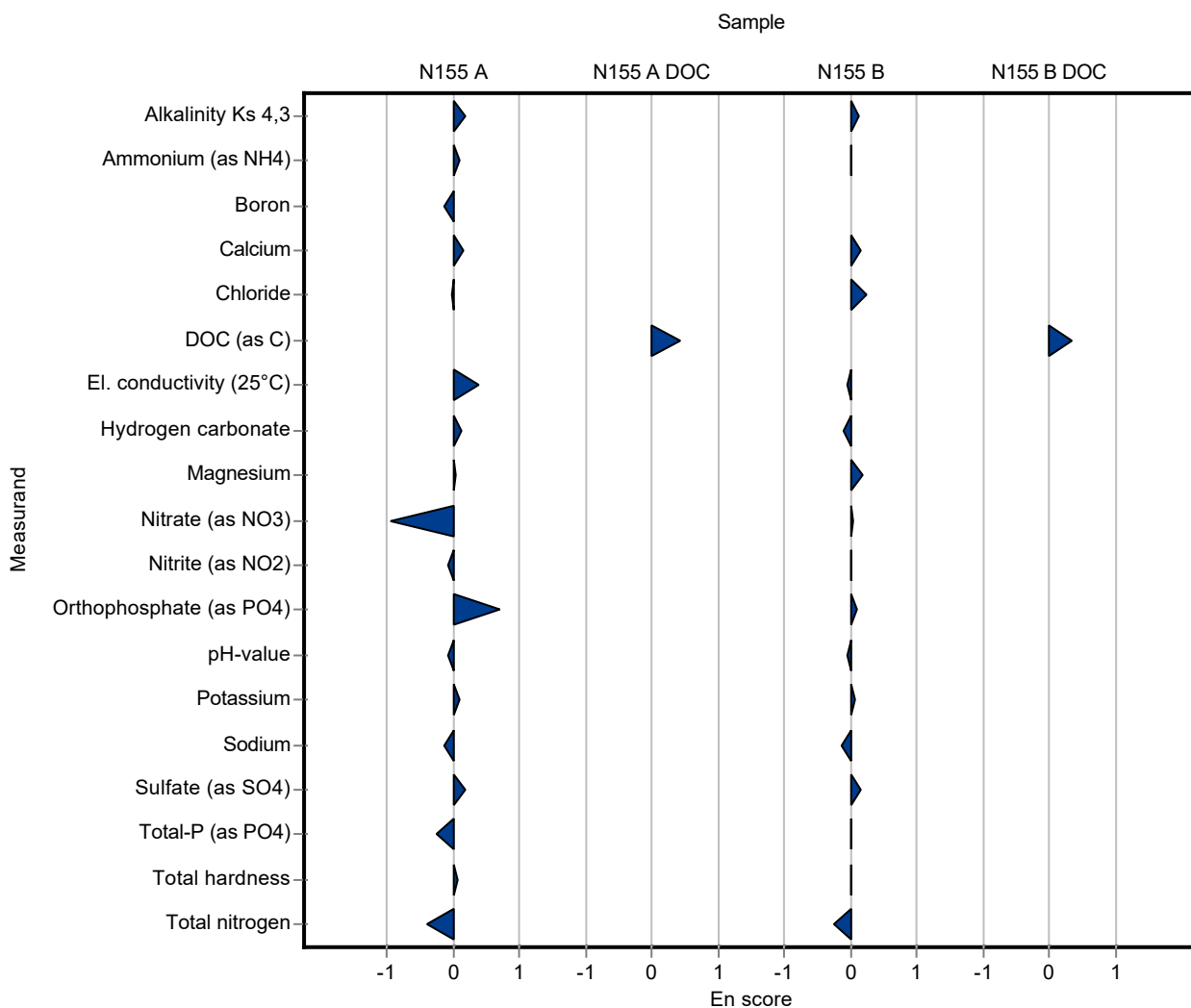
Sample: N155B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	3.11 ± 0.0171	3.13 ± 0.08	0.0622	101	0.13
Ammonium (as NH ₄)	mg/l	0.359 ± 0.00779	0.36 ± 0.04	0.0431	100	0.01
Boron	mg/l	0.0189 ± 0.000778	<0.02 (LOQ) ± -	0.00208	-	-
Calcium	mg/l	58.7 ± 0.681	60.4 ± 6	1.82	103	0.14

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Chloride	mg/l	44.2 ± 0.341	46.5 ± 4.7	1.77	105	0.25
El. conductivity (25°C)	µS/cm	517 ± 1.75	516 ± 12.9	6.72	99.8	-0.04
Hydrogen carbonate	mg/l	189 ± 1.54	188 ± 4.7	3.78	99.5	-0.11
Magnesium	mg/l	12.5 ± 0.185	13 ± 1.3	0.501	104	0.18
Nitrate (as NO ₃)	mg/l	20.1 ± 0.156	20.2 ± 2	1.01	100	0.02
Nitrite (as NO ₂)	mg/l	0.24 ± 0.00384	0.24 ± 0.024	0.0127	100	0.00
Orthophosphate (as PO ₄)	mg/l	0.235 ± 0.00356	0.24 ± 0.024	0.0212	102	0.09
pH-value	-	7.92 ± 0.0209	7.9 ± 0.2	0.158	99.7	-0.06
Potassium	mg/l	2.94 ± 0.0476	2.98 ± 0.3	0.153	101	0.07
Sodium	mg/l	25.6 ± 0.277	24.9 ± 2.5	0.87	97.4	-0.14
Sulfate (as SO ₄)	mg/l	24.7 ± 0.31	25.5 ± 2.6	0.815	103	0.16
Total-P (as PO ₄)	mg/l	1.1 ± 0.0151	1.1 ± 0.11	0.0824	100	0.01
Total hardness	mmol/l	2 ± 0.0126	2 ± 0.2	0.0599	100	0.01
Total nitrogen	mg/l	5.05 ± 0.0813	4.8 ± 0.48	0.42	95	-0.26

Sample: N155BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	4.27 ± 0.0971	4.58 ± 0.46	0.427	107	0.34



Sample: N155A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	7.28 ± 0.029	7.28 ± 0.29	0.146	100	-0.02
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00275	0.091 ± 0.004	0.0102	107	0.55
Boron	mg/l	0.0534 ± 0.00214	0.056 ± 0.01	0.00588	105	0.43
Calcium	mg/l	155 ± 2	151 ± 27	4.82	97.2	-0.90
Chloride	mg/l	85.1 ± 0.62	84.2 ± 7.5	3.4	99	-0.25
El. conductivity (25°C)	µS/cm	1080 ± 4.42	1067 ± 43	14	98.9	-0.86
Hydrogen carbonate	mg/l	442 ± 1.46	441 ± 18	8.84	99.8	-0.12
Magnesium	mg/l	36.2 ± 0.459	35.4 ± 6.4	1.45	97.8	-0.54
Nitrate (as NO ₃)	mg/l	10.7 ± 0.126	10.3 ± 0.93	0.537	95.9	-0.82
Nitrite (as NO ₂)	mg/l	0.102 ± 0.00202	0.087 ± 0.008	0.00539	85.5	-2.74
Orthophosphate (as PO ₄)	mg/l	0.0589 ± 0.00231	0.067 ± 0.006	0.0053	114	1.53
pH-value	-	7.73 ± 0.027	8.03 ± 0.32	0.155	104	1.92
Potassium	mg/l	2.4 ± 0.0526	2.37 ± 0.43	0.125	98.9	-0.22
Sodium	mg/l	21.5 ± 0.289	21.4 ± 3.9	0.73	99.6	-0.11
Sulfate (as SO ₄)	mg/l	94.2 ± 1.02	92.9 ± 8.4	3.11	98.6	-0.43
Total-P (as PO ₄)	mg/l	1.16 ± 0.0213	1.18 ± 0.047	0.0869	102	0.25
Total hardness	mmol/l	5.41 ± 0.0392	5.23 ± 0.94	0.162	96.7	-1.11
Total nitrogen	mg/l	2.59 ± 0.0647	2.44 ± 0.22	0.215	94.4	-0.68

Sample: N155ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.07 ± 0.0588	2 ± 0.18	0.207	96.4	-0.36

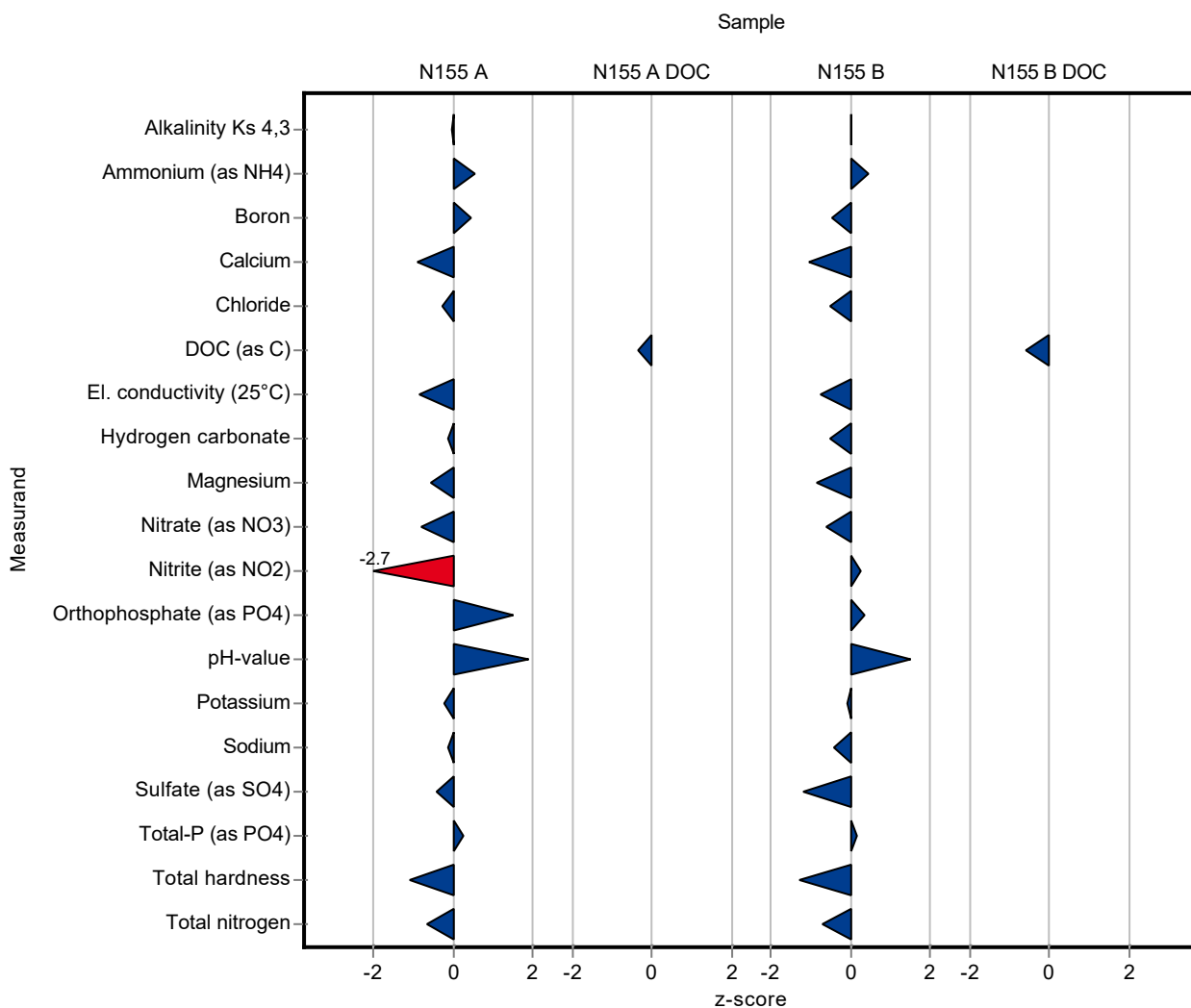
Sample: N155B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	3.11 ± 0.0171	3.11 ± 0.12	0.0622	100	0.01
Ammonium (as NH ₄)	mg/l	0.359 ± 0.00779	0.378 ± 0.034	0.0431	105	0.44
Boron	mg/l	0.0189 ± 0.000778	0.018 ± 0.003	0.00208	95	-0.45
Calcium	mg/l	58.7 ± 0.681	56.8 ± 10	1.82	96.7	-1.06

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Chloride	mg/l	44.2 ± 0.341	43.3 ± 3.9	1.77	98	-0.50
El. conductivity (25°C)	µS/cm	517 ± 1.75	512 ± 20	6.72	99	-0.76
Hydrogen carbonate	mg/l	189 ± 1.54	187 ± 7.5	3.78	98.9	-0.54
Magnesium	mg/l	12.5 ± 0.185	12.1 ± 2.2	0.501	96.6	-0.84
Nitrate (as NO ₃)	mg/l	20.1 ± 0.156	19.5 ± 1.8	1.01	96.9	-0.61
Nitrite (as NO ₂)	mg/l	0.24 ± 0.00384	0.243 ± 0.022	0.0127	101	0.25
Orthophosphate (as PO ₄)	mg/l	0.235 ± 0.00356	0.243 ± 0.022	0.0212	103	0.35
pH-value	-	7.92 ± 0.0209	8.16 ± 0.33	0.158	103	1.49
Potassium	mg/l	2.94 ± 0.0476	2.93 ± 0.53	0.153	99.6	-0.07
Sodium	mg/l	25.6 ± 0.277	25.2 ± 4.5	0.87	98.5	-0.43
Sulfate (as SO ₄)	mg/l	24.7 ± 0.31	23.7 ± 2.1	0.815	96	-1.21
Total-P (as PO ₄)	mg/l	1.1 ± 0.0151	1.11 ± 0.1	0.0824	101	0.14
Total hardness	mmol/l	2 ± 0.0126	1.92 ± 0.35	0.0599	96.2	-1.27
Total nitrogen	mg/l	5.05 ± 0.0813	4.76 ± 0.43	0.42	94.2	-0.70

Sample: N155BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	4.27 ± 0.0971	4.01 ± 0.36	0.427	94	-0.60



Sample: N155A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	7.28 ± 0.029	7.28 ± 0.29	0.146	100	-0.01
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00275	0.091 ± 0.004	0.0102	107	0.67
Boron	mg/l	0.0534 ± 0.00214	0.056 ± 0.01	0.00588	105	0.13
Calcium	mg/l	155 ± 2	151 ± 27	4.82	97.2	-0.08
Chloride	mg/l	85.1 ± 0.62	84.2 ± 7.5	3.4	99	-0.06
El. conductivity (25°C)	µS/cm	1080 ± 4.42	1067 ± 43	14	98.9	-0.14
Hydrogen carbonate	mg/l	442 ± 1.46	441 ± 18	8.84	99.8	-0.03
Magnesium	mg/l	36.2 ± 0.459	35.4 ± 6.4	1.45	97.8	-0.06
Nitrate (as NO ₃)	mg/l	10.7 ± 0.126	10.3 ± 0.93	0.537	95.9	-0.24
Nitrite (as NO ₂)	mg/l	0.102 ± 0.00202	0.087 ± 0.008	0.00539	85.5	-0.92
Orthophosphate (as PO ₄)	mg/l	0.0589 ± 0.00231	0.067 ± 0.006	0.0053	114	0.66
pH-value	-	7.73 ± 0.027	8.03 ± 0.32	0.155	104	0.46
Potassium	mg/l	2.4 ± 0.0526	2.37 ± 0.43	0.125	98.9	-0.03
Sodium	mg/l	21.5 ± 0.289	21.4 ± 3.9	0.73	99.6	-0.01
Sulfate (as SO ₄)	mg/l	94.2 ± 1.02	92.9 ± 8.4	3.11	98.6	-0.08
Total-P (as PO ₄)	mg/l	1.16 ± 0.0213	1.18 ± 0.047	0.0869	102	0.23
Total hardness	mmol/l	5.41 ± 0.0392	5.23 ± 0.94	0.162	96.7	-0.10
Total nitrogen	mg/l	2.59 ± 0.0647	2.44 ± 0.22	0.215	94.4	-0.33

Sample: N155ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	2.07 ± 0.0588	2 ± 0.18	0.207	96.4	-0.20

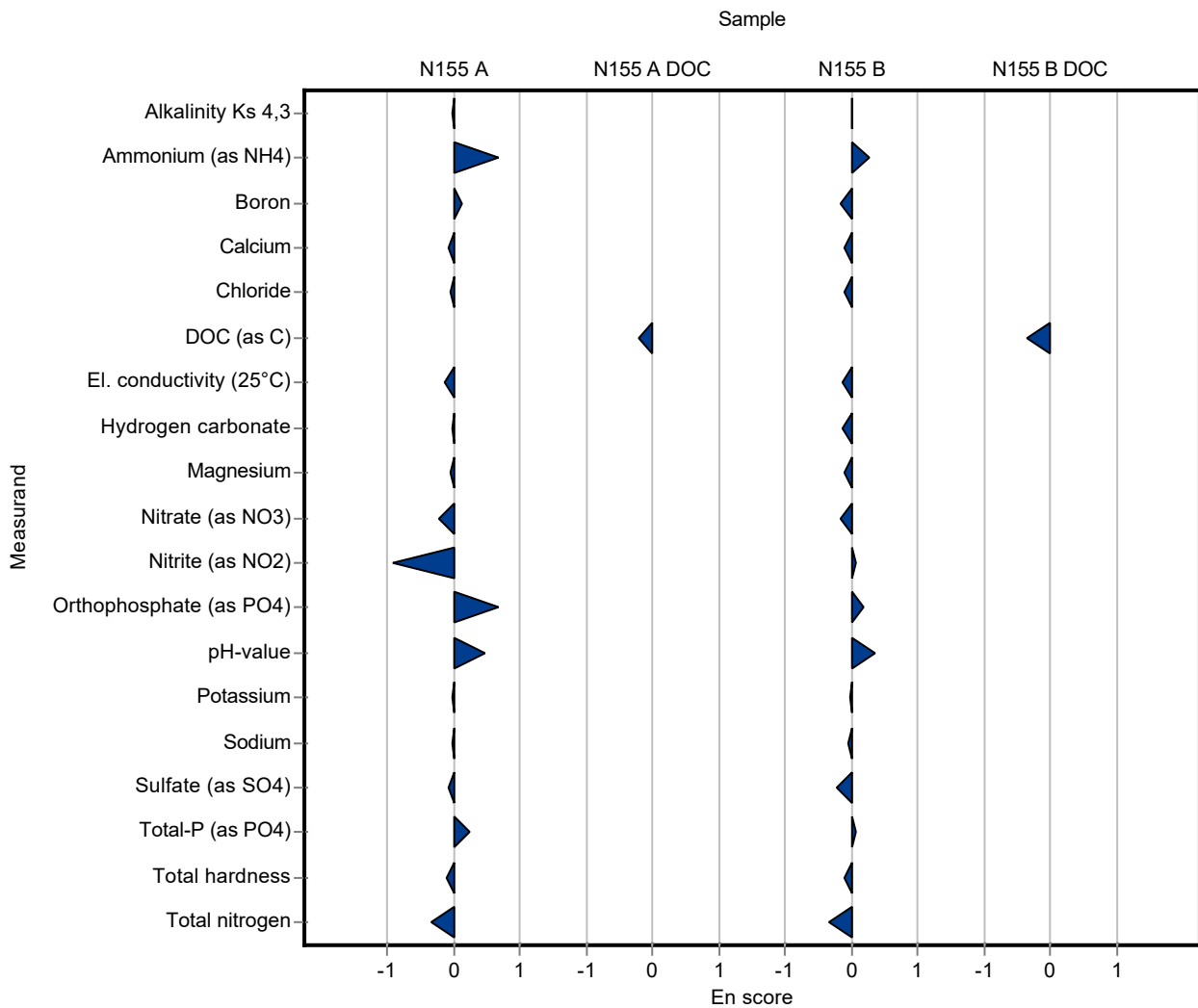
Sample: N155B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	3.11 ± 0.0171	3.11 ± 0.12	0.0622	100	0.00
Ammonium (as NH ₄)	mg/l	0.359 ± 0.00779	0.378 ± 0.034	0.0431	105	0.28
Boron	mg/l	0.0189 ± 0.000778	0.018 ± 0.003	0.00208	95	-0.16
Calcium	mg/l	58.7 ± 0.681	56.8 ± 10	1.82	96.7	-0.10

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Chloride	mg/l	44.2 ± 0.341	43.3 ± 3.9	1.77	98	-0.11
El. conductivity (25°C)	µS/cm	517 ± 1.75	512 ± 20	6.72	99	-0.13
Hydrogen carbonate	mg/l	189 ± 1.54	187 ± 7.5	3.78	98.9	-0.14
Magnesium	mg/l	12.5 ± 0.185	12.1 ± 2.2	0.501	96.6	-0.10
Nitrate (as NO ₃)	mg/l	20.1 ± 0.156	19.5 ± 1.8	1.01	96.9	-0.17
Nitrite (as NO ₂)	mg/l	0.24 ± 0.00384	0.243 ± 0.022	0.0127	101	0.07
Orthophosphate (as PO ₄)	mg/l	0.235 ± 0.00356	0.243 ± 0.022	0.0212	103	0.17
pH-value	-	7.92 ± 0.0209	8.16 ± 0.33	0.158	103	0.36
Potassium	mg/l	2.94 ± 0.0476	2.93 ± 0.53	0.153	99.6	-0.01
Sodium	mg/l	25.6 ± 0.277	25.2 ± 4.5	0.87	98.5	-0.04
Sulfate (as SO ₄)	mg/l	24.7 ± 0.31	23.7 ± 2.1	0.815	96	-0.23
Total-P (as PO ₄)	mg/l	1.1 ± 0.0151	1.11 ± 0.1	0.0824	101	0.06
Total hardness	mmol/l	2 ± 0.0126	1.92 ± 0.35	0.0599	96.2	-0.11
Total nitrogen	mg/l	5.05 ± 0.0813	4.76 ± 0.43	0.42	94.2	-0.34

Sample: N155BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	4.27 ± 0.0971	4.01 ± 0.36	0.427	94	-0.35



Sample: N155A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	7.28 ± 0.029	7.33 ± 0.66	0.146	101	0.32
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00275	0.071 ± 0.014	0.0102	83.2	-1.40
Boron	mg/l	0.0534 ± 0.00214	0.06 ± 0.005	0.00588	112	1.12
Calcium	mg/l	155 ± 2	152 ± 12.2	4.82	97.9	-0.69
Chloride	mg/l	85.1 ± 0.62	83 ± 8.3	3.4	97.6	-0.60
El. conductivity (25°C)	µS/cm	1080 ± 4.42	1079 ± 5	14	100	0.00
Hydrogen carbonate	mg/l	442 ± 1.46	444.3 ± 40	8.84	101	0.26
Magnesium	mg/l	36.2 ± 0.459	35.8 ± 3.58	1.45	98.9	-0.27
Nitrate (as NO ₃)	mg/l	10.7 ± 0.126	10.22 ± 1.02	0.537	95.2	-0.97
Nitrite (as NO ₂)	mg/l	0.102 ± 0.00202	0.098 ± 0.015	0.00539	96.3	-0.70
Orthophosphate (as PO ₄)	mg/l	0.0589 ± 0.00231	0.061 ± 0.006	0.0053	104	0.40
pH-value	-	7.73 ± 0.027	7.74 ± 0.1	0.155	100	0.05
Potassium	mg/l	2.4 ± 0.0526	<2.47 (LOD) ± -	0.125	-	-
Sodium	mg/l	21.5 ± 0.289	20.7 ± 2.48	0.73	96.4	-1.07
Sulfate (as SO ₄)	mg/l	94.2 ± 1.02	93.2 ± 14	3.11	98.9	-0.34
Total-P (as PO ₄)	mg/l	1.16 ± 0.0213	1.18 ± 0.24	0.0869	102	0.25
Total hardness	mmol/l	5.41 ± 0.0392	53.61 ± 4.83	0.162	991	297.00
Total nitrogen	mg/l	2.59 ± 0.0647	2.51 ± 0.5	0.215	97.1	-0.35

Sample: N155ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.07 ± 0.0588	1.93 ± 0.39	0.207	93.1	-0.69

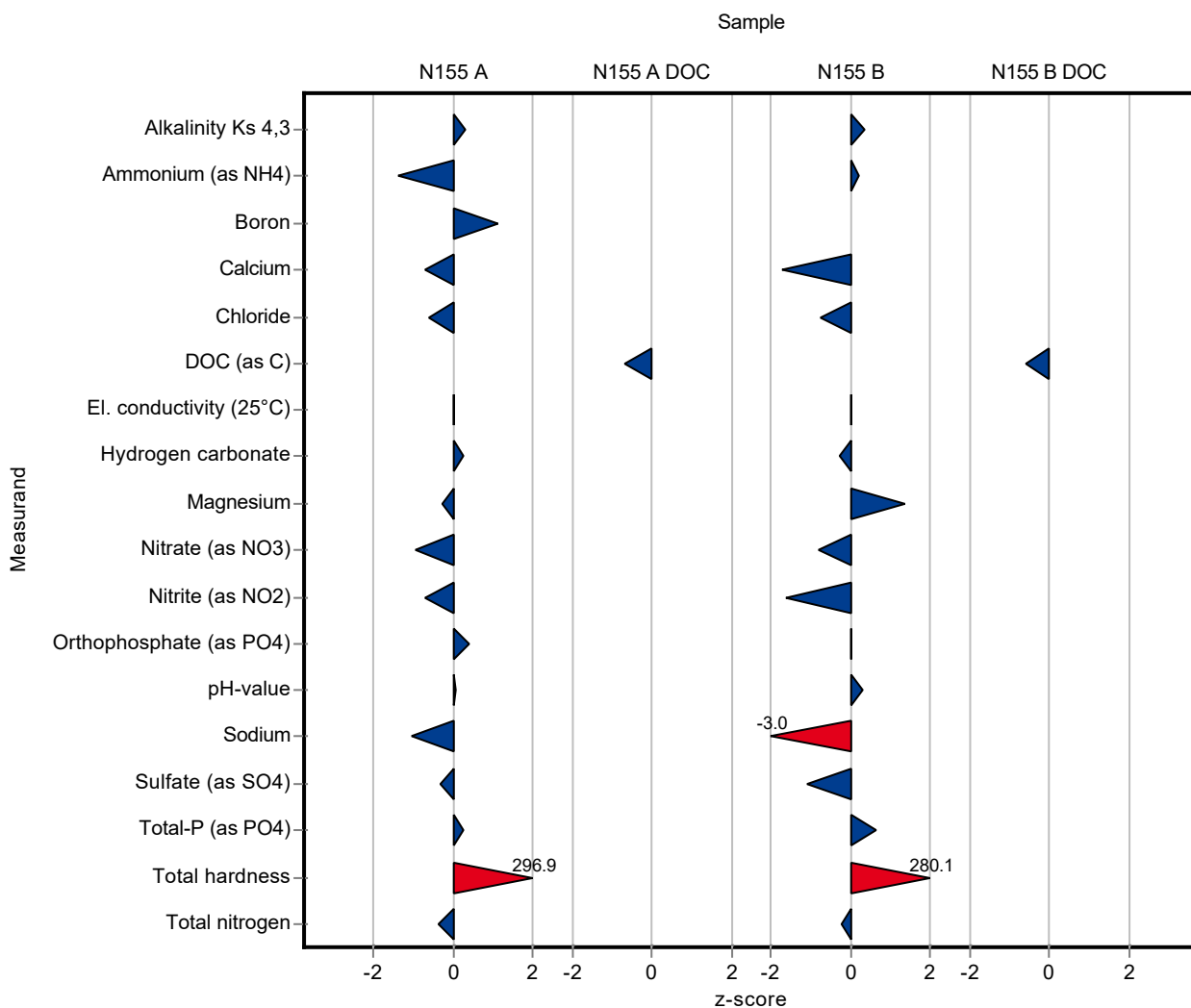
Sample: N155B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	3.11 ± 0.0171	3.13 ± 0.28	0.0622	101	0.33
Ammonium (as NH ₄)	mg/l	0.359 ± 0.00779	0.368 ± 0.074	0.0431	102	0.20
Boron	mg/l	0.0189 ± 0.000778	<0.047 (LOD) ± -	0.00208	-	-
Calcium	mg/l	58.7 ± 0.681	55.6 ± 4.44	1.82	94.7	-1.72

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Chloride	mg/l	44.2 ± 0.341	42.8 ± 4.28	1.77	96.9	-0.78
El. conductivity (25°C)	µS/cm	517 ± 1.75	517 ± 5	6.72	100	-0.01
Hydrogen carbonate	mg/l	189 ± 1.54	187.9 ± 16.9	3.78	99.4	-0.30
Magnesium	mg/l	12.5 ± 0.185	13.2 ± 1.32	0.501	105	1.35
Nitrate (as NO ₃)	mg/l	20.1 ± 0.156	19.3 ± 1.93	1.01	96	-0.81
Nitrite (as NO ₂)	mg/l	0.24 ± 0.00384	0.219 ± 0.033	0.0127	91.3	-1.64
Orthophosphate (as PO ₄)	mg/l	0.235 ± 0.00356	0.236 ± 0.024	0.0212	100	0.02
pH-value	-	7.92 ± 0.0209	7.97 ± 0.1	0.158	101	0.29
Potassium	mg/l	2.94 ± 0.0476	<2.87 (LOQ) ± -	0.153	-	-
Sodium	mg/l	25.6 ± 0.277	23 ± 2.76	0.87	89.9	-2.96
Sulfate (as SO ₄)	mg/l	24.7 ± 0.31	23.8 ± 3.57	0.815	96.4	-1.09
Total-P (as PO ₄)	mg/l	1.1 ± 0.0151	1.15 ± 0.23	0.0824	105	0.63
Total hardness	mmol/l	2 ± 0.0126	18.77 ± 1.69	0.0599	940	280.00
Total nitrogen	mg/l	5.05 ± 0.0813	4.96 ± 0.99	0.42	98.1	-0.23

Sample: N155BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	4.27 ± 0.0971	4.02 ± 0.81	0.427	94.2	-0.58



Sample: N155A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	7.28 ± 0.029	7.33 ± 0.66	0.146	101	0.04
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00275	0.071 ± 0.014	0.0102	83.2	-0.51
Boron	mg/l	0.0534 ± 0.00214	0.06 ± 0.005	0.00588	112	0.64
Calcium	mg/l	155 ± 2	152 ± 12.2	4.82	97.9	-0.14
Chloride	mg/l	85.1 ± 0.62	83 ± 8.3	3.4	97.6	-0.12
El. conductivity (25°C)	µS/cm	1080 ± 4.42	1079 ± 5	14	100	-0.01
Hydrogen carbonate	mg/l	442 ± 1.46	444.3 ± 40	8.84	101	0.03
Magnesium	mg/l	36.2 ± 0.459	35.8 ± 3.58	1.45	98.9	-0.05
Nitrate (as NO ₃)	mg/l	10.7 ± 0.126	10.22 ± 1.02	0.537	95.2	-0.25
Nitrite (as NO ₂)	mg/l	0.102 ± 0.00202	0.098 ± 0.015	0.00539	96.3	-0.13
Orthophosphate (as PO ₄)	mg/l	0.0589 ± 0.00231	0.061 ± 0.006	0.0053	104	0.17
pH-value	-	7.73 ± 0.027	7.74 ± 0.1	0.155	100	0.04
Potassium	mg/l	2.4 ± 0.0526	<2.47 (LOD) ± -	0.125	-	-
Sodium	mg/l	21.5 ± 0.289	20.7 ± 2.48	0.73	96.4	-0.16
Sulfate (as SO ₄)	mg/l	94.2 ± 1.02	93.2 ± 14	3.11	98.9	-0.04
Total-P (as PO ₄)	mg/l	1.16 ± 0.0213	1.18 ± 0.24	0.0869	102	0.05
Total hardness	mmol/l	5.41 ± 0.0392	53.61 ± 4.83	0.162	991	4.99
Total nitrogen	mg/l	2.59 ± 0.0647	2.51 ± 0.5	0.215	97.1	-0.08

Sample: N155ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	2.07 ± 0.0588	1.93 ± 0.39	0.207	93.1	-0.18

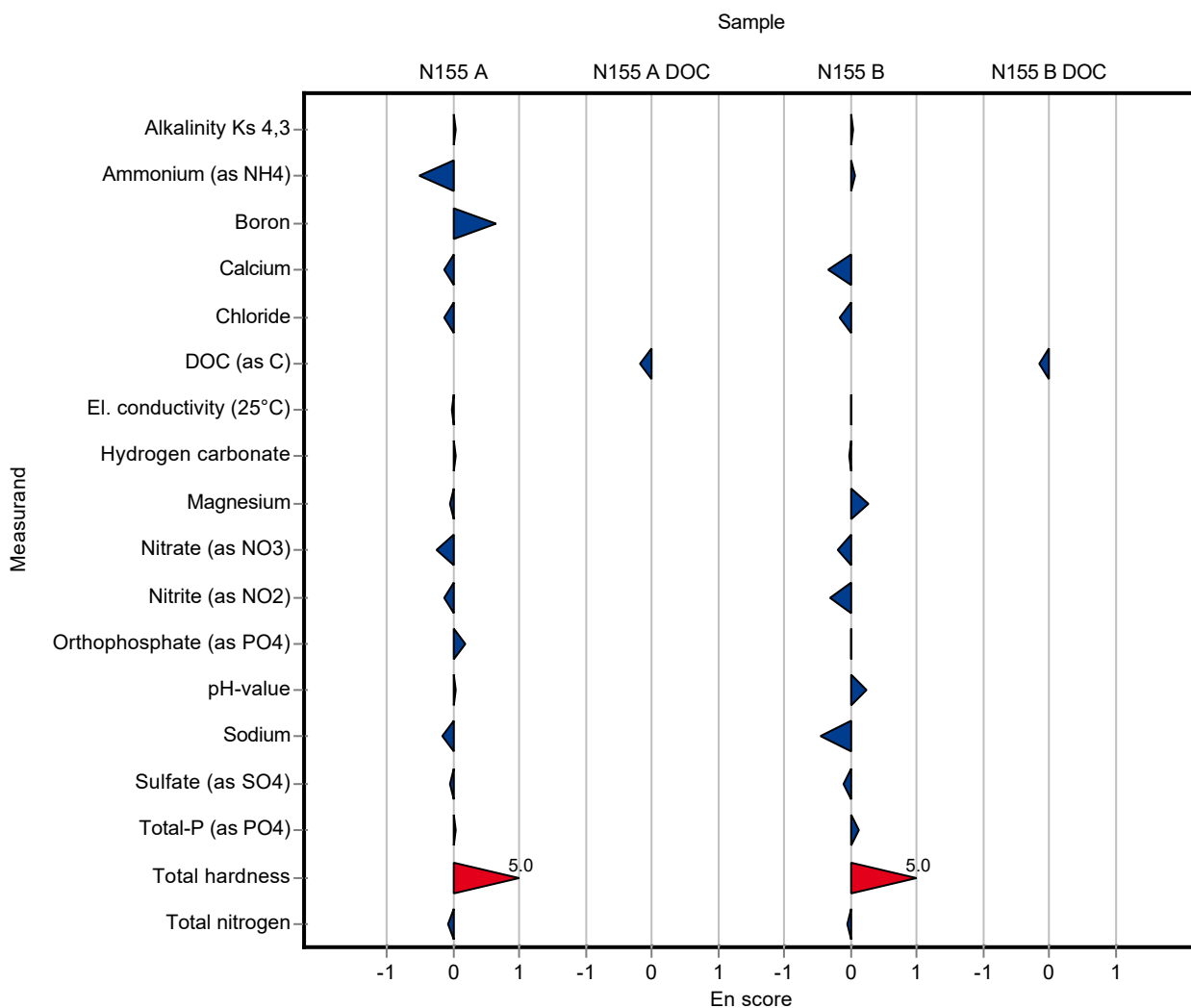
Sample: N155B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	3.11 ± 0.0171	3.13 ± 0.28	0.0622	101	0.04
Ammonium (as NH ₄)	mg/l	0.359 ± 0.00779	0.368 ± 0.074	0.0431	102	0.06
Boron	mg/l	0.0189 ± 0.000778	<0.047 (LOD) ± -	0.00208	-	-
Calcium	mg/l	58.7 ± 0.681	55.6 ± 4.44	1.82	94.7	-0.35

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Chloride	mg/l	44.2 ± 0.341	42.8 ± 4.28	1.77	96.9	-0.16
El. conductivity (25°C)	µS/cm	517 ± 1.75	517 ± 5	6.72	100	-0.01
Hydrogen carbonate	mg/l	189 ± 1.54	187.9 ± 16.9	3.78	99.4	-0.03
Magnesium	mg/l	12.5 ± 0.185	13.2 ± 1.32	0.501	105	0.26
Nitrate (as NO ₃)	mg/l	20.1 ± 0.156	19.3 ± 1.93	1.01	96	-0.21
Nitrite (as NO ₂)	mg/l	0.24 ± 0.00384	0.219 ± 0.033	0.0127	91.3	-0.32
Orthophosphate (as PO ₄)	mg/l	0.235 ± 0.00356	0.236 ± 0.024	0.0212	100	0.01
pH-value	-	7.92 ± 0.0209	7.97 ± 0.1	0.158	101	0.23
Potassium	mg/l	2.94 ± 0.0476	<2.87 (LOQ) ± -	0.153	-	-
Sodium	mg/l	25.6 ± 0.277	23 ± 2.76	0.87	89.9	-0.47
Sulfate (as SO ₄)	mg/l	24.7 ± 0.31	23.8 ± 3.57	0.815	96.4	-0.12
Total-P (as PO ₄)	mg/l	1.1 ± 0.0151	1.15 ± 0.23	0.0824	105	0.11
Total hardness	mmol/l	2 ± 0.0126	18.77 ± 1.69	0.0599	940	4.96
Total nitrogen	mg/l	5.05 ± 0.0813	4.96 ± 0.99	0.42	98.1	-0.05

Sample: N155BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	4.27 ± 0.0971	4.02 ± 0.81	0.427	94.2	-0.15



Sample: N155A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	7.28 ± 0.029	7.1 ± 0.1	0.146	97.5	-1.26
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00275	0.089 ± 0.01	0.0102	104	0.36
Boron	mg/l	0.0534 ± 0.00214	0.078 ± 0.01	0.00588	146	4.18
Calcium	mg/l	155 ± 2	157 ± 2	4.82	101	0.35
Chloride	mg/l	85.1 ± 0.62	86 ± 2	3.4	101	0.28
El. conductivity (25°C)	µS/cm	1080 ± 4.42	1080 ± 5	14	100	0.07
Hydrogen carbonate	mg/l	442 ± 1.46	433 ± 10	8.84	98	-1.02
Magnesium	mg/l	36.2 ± 0.459	37 ± 2	1.45	102	0.56
Nitrate (as NO ₃)	mg/l	10.7 ± 0.126	11 ± 1	0.537	102	0.48
Nitrite (as NO ₂)	mg/l	0.102 ± 0.00202	0.102 ± 0.01	0.00539	100	0.04
Orthophosphate (as PO ₄)	mg/l	0.0589 ± 0.00231	- ± -	0.0053	-	-
pH-value	-	7.73 ± 0.027	7.7 ± 0.1	0.155	99.6	-0.21
Potassium	mg/l	2.4 ± 0.0526	2.5 ± 0.5	0.125	104	0.82
Sodium	mg/l	21.5 ± 0.289	21 ± 1	0.73	97.8	-0.66
Sulfate (as SO ₄)	mg/l	94.2 ± 1.02	95 ± 3	3.11	101	0.24
Total-P (as PO ₄)	mg/l	1.16 ± 0.0213	1.25 ± 0.05	0.0869	108	1.06
Total hardness	mmol/l	5.41 ± 0.0392	5.43 ± 0.3	0.162	100	0.12
Total nitrogen	mg/l	2.59 ± 0.0647	- ± -	0.215	-	-

Sample: N155ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.07 ± 0.0588	1.9 ± 0.2	0.207	91.6	-0.84

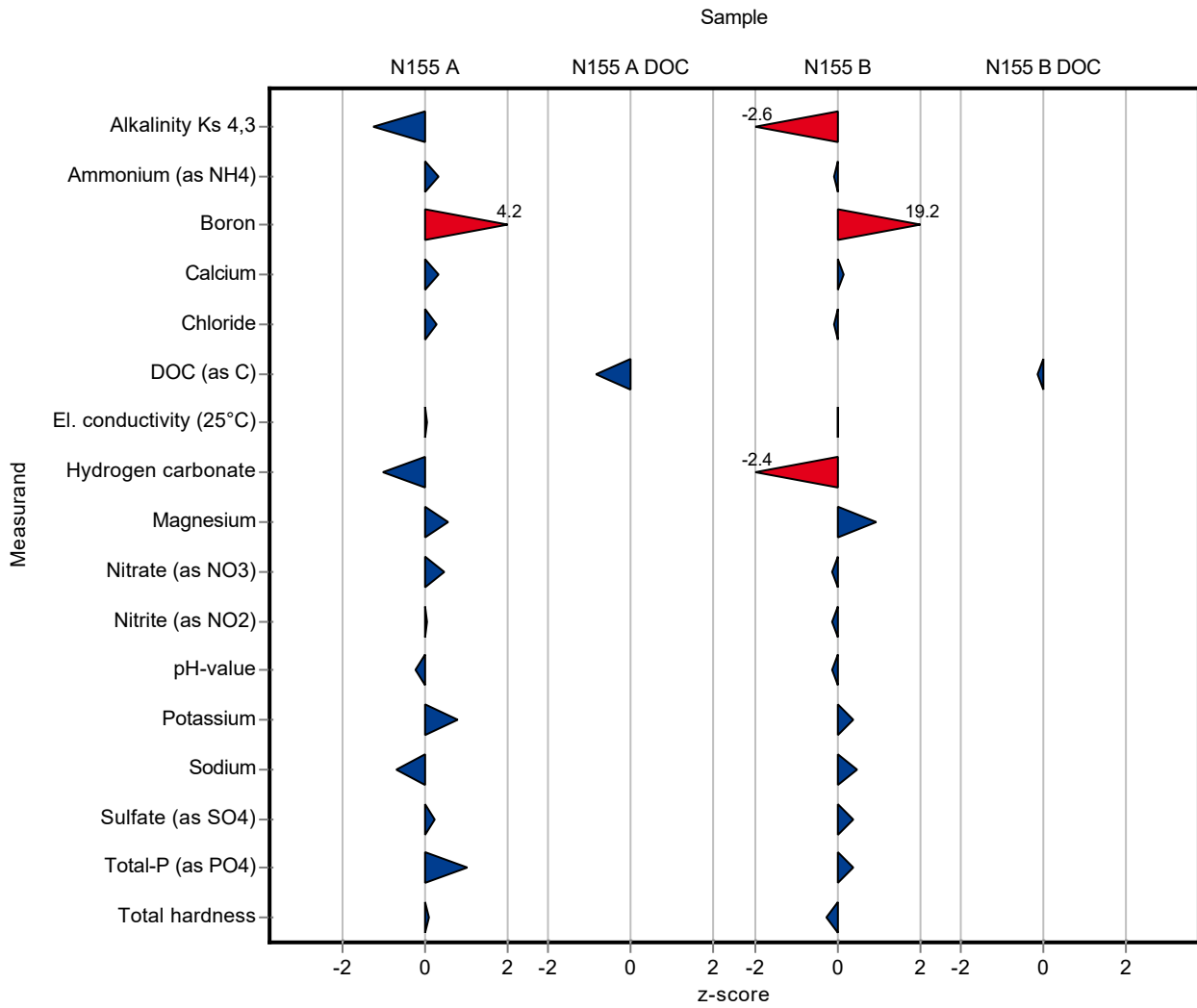
Sample: N155B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	3.11 ± 0.0171	2.95 ± 0.1	0.0622	94.9	-2.56
Ammonium (as NH ₄)	mg/l	0.359 ± 0.00779	0.356 ± 0.02	0.0431	99.1	-0.07
Boron	mg/l	0.0189 ± 0.000778	0.059 ± 0.01	0.00208	311	19.20
Calcium	mg/l	58.7 ± 0.681	59 ± 2	1.82	100	0.14

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Chloride	mg/l	44.2 ± 0.341	44 ± 2	1.77	99.6	-0.10
El. conductivity (25°C)	µS/cm	517 ± 1.75	517 ± 3	6.72	100	-0.01
Hydrogen carbonate	mg/l	189 ± 1.54	180 ± 4	3.78	95.2	-2.39
Magnesium	mg/l	12.5 ± 0.185	13 ± 1	0.501	104	0.95
Nitrate (as NO ₃)	mg/l	20.1 ± 0.156	20 ± 1	1.01	99.4	-0.11
Nitrite (as NO ₂)	mg/l	0.24 ± 0.00384	0.238 ± 0.02	0.0127	99.2	-0.14
Orthophosphate (as PO ₄)	mg/l	0.235 ± 0.00356	- ± -	0.0212	-	-
pH-value	-	7.92 ± 0.0209	7.9 ± 0.1	0.158	99.7	-0.15
Potassium	mg/l	2.94 ± 0.0476	3 ± 0.5	0.153	102	0.39
Sodium	mg/l	25.6 ± 0.277	26 ± 1	0.87	102	0.49
Sulfate (as SO ₄)	mg/l	24.7 ± 0.31	25 ± 2	0.815	101	0.39
Total-P (as PO ₄)	mg/l	1.1 ± 0.0151	1.13 ± 0.05	0.0824	103	0.39
Total hardness	mmol/l	2 ± 0.0126	1.98 ± 0.2	0.0599	99.2	-0.27
Total nitrogen	mg/l	5.05 ± 0.0813	- ± -	0.42	-	-

Sample: N155BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	4.27 ± 0.0971	4.2 ± 0.3	0.427	98.5	-0.15



Sample: N155A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	7.28 ± 0.029	7.1 ± 0.1	0.146	97.5	-0.91
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00275	0.089 ± 0.01	0.0102	104	0.18
Boron	mg/l	0.0534 ± 0.00214	0.078 ± 0.01	0.00588	146	1.22
Calcium	mg/l	155 ± 2	157 ± 2	4.82	101	0.37
Chloride	mg/l	85.1 ± 0.62	86 ± 2	3.4	101	0.23
El. conductivity (25°C)	µS/cm	1080 ± 4.42	1080 ± 5	14	100	0.09
Hydrogen carbonate	mg/l	442 ± 1.46	433 ± 10	8.84	98	-0.45
Magnesium	mg/l	36.2 ± 0.459	37 ± 2	1.45	102	0.20
Nitrate (as NO ₃)	mg/l	10.7 ± 0.126	11 ± 1	0.537	102	0.13
Nitrite (as NO ₂)	mg/l	0.102 ± 0.00202	0.102 ± 0.01	0.00539	100	0.01
Orthophosphate (as PO ₄)	mg/l	0.0589 ± 0.00231	- ± -	0.0053	-	-
pH-value	-	7.73 ± 0.027	7.7 ± 0.1	0.155	99.6	-0.16
Potassium	mg/l	2.4 ± 0.0526	2.5 ± 0.5	0.125	104	0.10
Sodium	mg/l	21.5 ± 0.289	21 ± 1	0.73	97.8	-0.24
Sulfate (as SO ₄)	mg/l	94.2 ± 1.02	95 ± 3	3.11	101	0.12
Total-P (as PO ₄)	mg/l	1.16 ± 0.0213	1.25 ± 0.05	0.0869	108	0.90
Total hardness	mmol/l	5.41 ± 0.0392	5.43 ± 0.3	0.162	100	0.03
Total nitrogen	mg/l	2.59 ± 0.0647	- ± -	0.215	-	-

Sample: N155ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	2.07 ± 0.0588	1.9 ± 0.2	0.207	91.6	-0.43

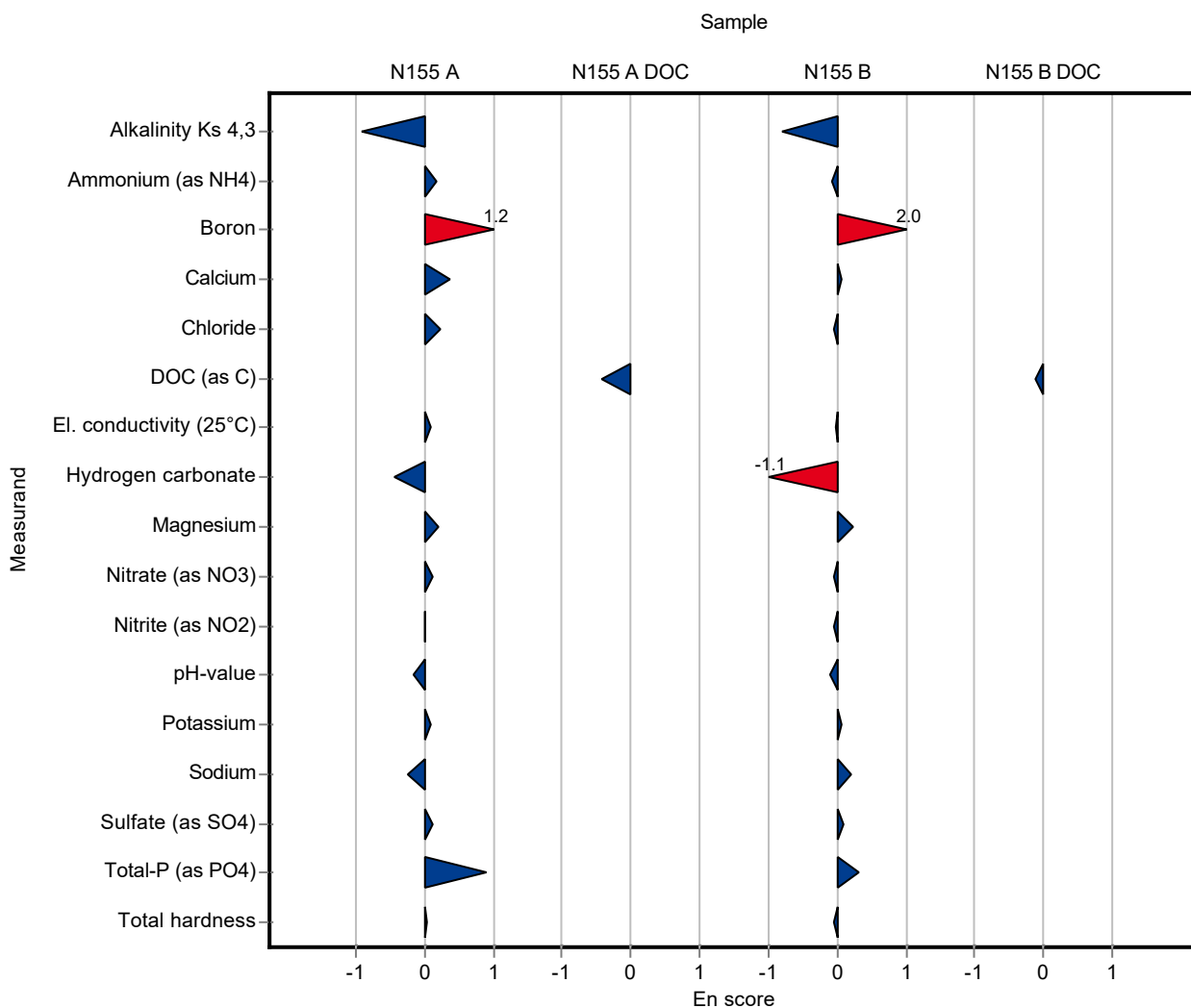
Sample: N155B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	3.11 ± 0.0171	2.95 ± 0.1	0.0622	94.9	-0.79
Ammonium (as NH ₄)	mg/l	0.359 ± 0.00779	0.356 ± 0.02	0.0431	99.1	-0.08
Boron	mg/l	0.0189 ± 0.000778	0.059 ± 0.01	0.00208	311	2.00
Calcium	mg/l	58.7 ± 0.681	59 ± 2	1.82	100	0.06

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Chloride	mg/l	44.2 ± 0.341	44 ± 2	1.77	99.6	-0.05
El. conductivity (25°C)	µS/cm	517 ± 1.75	517 ± 3	6.72	100	-0.01
Hydrogen carbonate	mg/l	189 ± 1.54	180 ± 4	3.78	95.2	-1.11
Magnesium	mg/l	12.5 ± 0.185	13 ± 1	0.501	104	0.24
Nitrate (as NO ₃)	mg/l	20.1 ± 0.156	20 ± 1	1.01	99.4	-0.06
Nitrite (as NO ₂)	mg/l	0.24 ± 0.00384	0.238 ± 0.02	0.0127	99.2	-0.04
Orthophosphate (as PO ₄)	mg/l	0.235 ± 0.00356	- ± -	0.0212	-	-
pH-value	-	7.92 ± 0.0209	7.9 ± 0.1	0.158	99.7	-0.12
Potassium	mg/l	2.94 ± 0.0476	3 ± 0.5	0.153	102	0.06
Sodium	mg/l	25.6 ± 0.277	26 ± 1	0.87	102	0.21
Sulfate (as SO ₄)	mg/l	24.7 ± 0.31	25 ± 2	0.815	101	0.08
Total-P (as PO ₄)	mg/l	1.1 ± 0.0151	1.13 ± 0.05	0.0824	103	0.32
Total hardness	mmol/l	2 ± 0.0126	1.98 ± 0.2	0.0599	99.2	-0.04
Total nitrogen	mg/l	5.05 ± 0.0813	- ± -	0.42	-	-

Sample: N155BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	4.27 ± 0.0971	4.2 ± 0.3	0.427	98.5	-0.11



Sample: N155A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	7.28 ± 0.029	- ± -	0.146	-	-
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00275	- ± -	0.0102	-	-
Boron	mg/l	0.0534 ± 0.00214	- ± -	0.00588	-	-
Calcium	mg/l	155 ± 2	- ± -	4.82	-	-
Chloride	mg/l	85.1 ± 0.62	- ± -	3.4	-	-
El. conductivity (25°C)	µS/cm	1080 ± 4.42	- ± -	14	-	-
Hydrogen carbonate	mg/l	442 ± 1.46	- ± -	8.84	-	-
Magnesium	mg/l	36.2 ± 0.459	- ± -	1.45	-	-
Nitrate (as NO ₃)	mg/l	10.7 ± 0.126	- ± -	0.537	-	-
Nitrite (as NO ₂)	mg/l	0.102 ± 0.00202	- ± -	0.00539	-	-
Orthophosphate (as PO ₄)	mg/l	0.0589 ± 0.00231	- ± -	0.0053	-	-
pH-value	-	7.73 ± 0.027	- ± -	0.155	-	-
Potassium	mg/l	2.4 ± 0.0526	- ± -	0.125	-	-
Sodium	mg/l	21.5 ± 0.289	- ± -	0.73	-	-
Sulfate (as SO ₄)	mg/l	94.2 ± 1.02	- ± -	3.11	-	-
Total-P (as PO ₄)	mg/l	1.16 ± 0.0213	1.39 ± 0.14	0.0869	120	2.67
Total hardness	mmol/l	5.41 ± 0.0392	- ± -	0.162	-	-
Total nitrogen	mg/l	2.59 ± 0.0647	- ± -	0.215	-	-

Sample: N155ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.07 ± 0.0588	- ± -	0.207	-	-

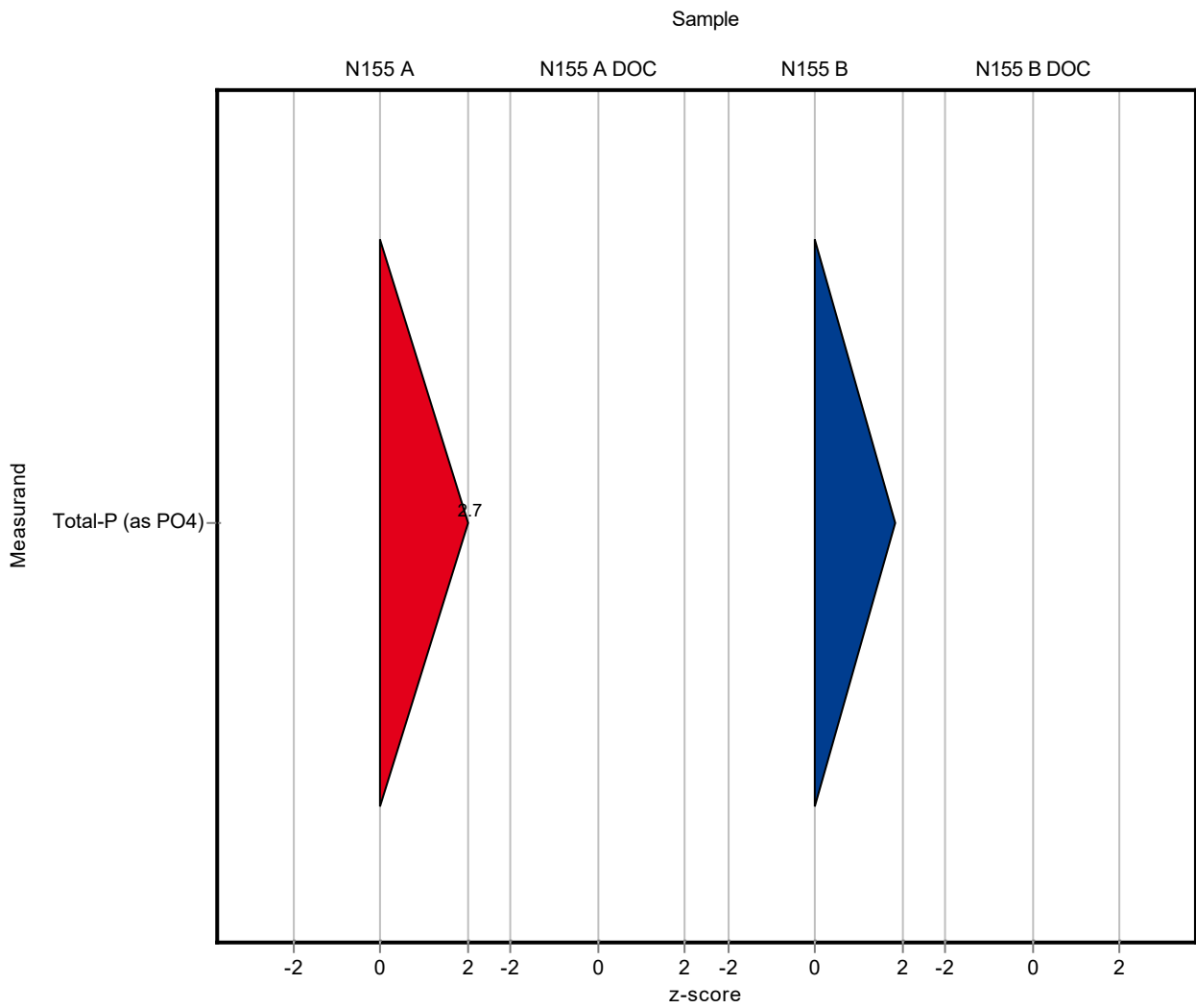
Sample: N155B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	3.11 ± 0.0171	- ± -	0.0622	-	-
Ammonium (as NH ₄)	mg/l	0.359 ± 0.00779	- ± -	0.0431	-	-
Boron	mg/l	0.0189 ± 0.000778	- ± -	0.00208	-	-
Calcium	mg/l	58.7 ± 0.681	- ± -	1.82	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Chloride	mg/l	44.2 ± 0.341	- ± -	1.77	-	-
El. conductivity (25°C)	µS/cm	517 ± 1.75	- ± -	6.72	-	-
Hydrogen carbonate	mg/l	189 ± 1.54	- ± -	3.78	-	-
Magnesium	mg/l	12.5 ± 0.185	- ± -	0.501	-	-
Nitrate (as NO ₃)	mg/l	20.1 ± 0.156	- ± -	1.01	-	-
Nitrite (as NO ₂)	mg/l	0.24 ± 0.00384	- ± -	0.0127	-	-
Orthophosphate (as PO ₄)	mg/l	0.235 ± 0.00356	- ± -	0.0212	-	-
pH-value	-	7.92 ± 0.0209	- ± -	0.158	-	-
Potassium	mg/l	2.94 ± 0.0476	- ± -	0.153	-	-
Sodium	mg/l	25.6 ± 0.277	- ± -	0.87	-	-
Sulfate (as SO ₄)	mg/l	24.7 ± 0.31	- ± -	0.815	-	-
Total-P (as PO ₄)	mg/l	1.1 ± 0.0151	1.25 ± 0.13	0.0824	114	1.85
Total hardness	mmol/l	2 ± 0.0126	- ± -	0.0599	-	-
Total nitrogen	mg/l	5.05 ± 0.0813	- ± -	0.42	-	-

Sample: N155BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	4.27 ± 0.0971	- ± -	0.427	-	-



Sample: N155A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	7.28 ± 0.029	- ± -	0.146	-	-
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00275	- ± -	0.0102	-	-
Boron	mg/l	0.0534 ± 0.00214	- ± -	0.00588	-	-
Calcium	mg/l	155 ± 2	- ± -	4.82	-	-
Chloride	mg/l	85.1 ± 0.62	- ± -	3.4	-	-
El. conductivity (25°C)	µS/cm	1080 ± 4.42	- ± -	14	-	-
Hydrogen carbonate	mg/l	442 ± 1.46	- ± -	8.84	-	-
Magnesium	mg/l	36.2 ± 0.459	- ± -	1.45	-	-
Nitrate (as NO ₃)	mg/l	10.7 ± 0.126	- ± -	0.537	-	-
Nitrite (as NO ₂)	mg/l	0.102 ± 0.00202	- ± -	0.00539	-	-
Orthophosphate (as PO ₄)	mg/l	0.0589 ± 0.00231	- ± -	0.0053	-	-
pH-value	-	7.73 ± 0.027	- ± -	0.155	-	-
Potassium	mg/l	2.4 ± 0.0526	- ± -	0.125	-	-
Sodium	mg/l	21.5 ± 0.289	- ± -	0.73	-	-
Sulfate (as SO ₄)	mg/l	94.2 ± 1.02	- ± -	3.11	-	-
Total-P (as PO ₄)	mg/l	1.16 ± 0.0213	1.39 ± 0.14	0.0869	120	0.83
Total hardness	mmol/l	5.41 ± 0.0392	- ± -	0.162	-	-
Total nitrogen	mg/l	2.59 ± 0.0647	- ± -	0.215	-	-

Sample: N155ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	2.07 ± 0.0588	- ± -	0.207	-	-

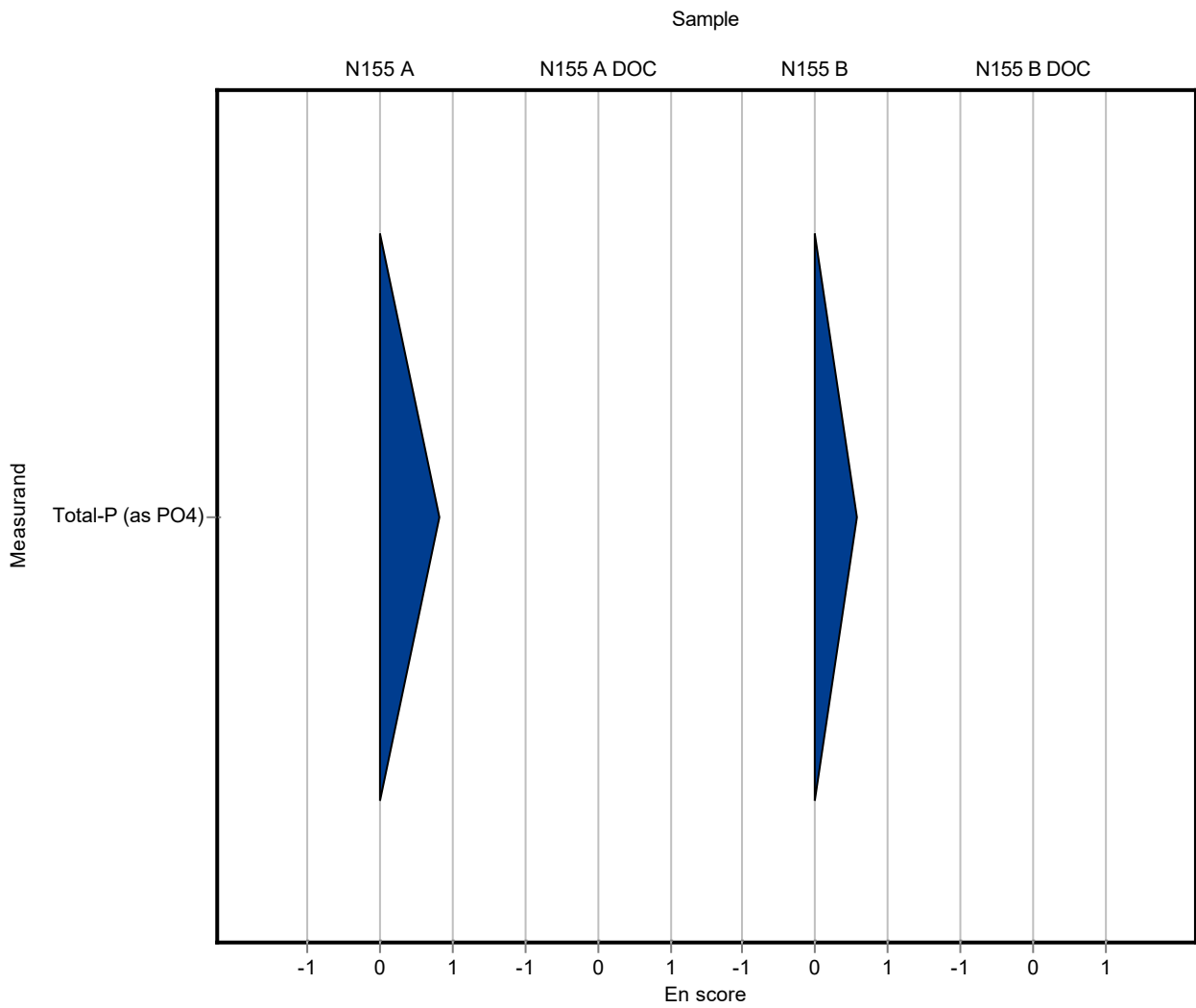
Sample: N155B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	3.11 ± 0.0171	- ± -	0.0622	-	-
Ammonium (as NH ₄)	mg/l	0.359 ± 0.00779	- ± -	0.0431	-	-
Boron	mg/l	0.0189 ± 0.000778	- ± -	0.00208	-	-
Calcium	mg/l	58.7 ± 0.681	- ± -	1.82	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Chloride	mg/l	44.2 ± 0.341	- ± -	1.77	-	-
El. conductivity (25°C)	µS/cm	517 ± 1.75	- ± -	6.72	-	-
Hydrogen carbonate	mg/l	189 ± 1.54	- ± -	3.78	-	-
Magnesium	mg/l	12.5 ± 0.185	- ± -	0.501	-	-
Nitrate (as NO ₃)	mg/l	20.1 ± 0.156	- ± -	1.01	-	-
Nitrite (as NO ₂)	mg/l	0.24 ± 0.00384	- ± -	0.0127	-	-
Orthophosphate (as PO ₄)	mg/l	0.235 ± 0.00356	- ± -	0.0212	-	-
pH-value	-	7.92 ± 0.0209	- ± -	0.158	-	-
Potassium	mg/l	2.94 ± 0.0476	- ± -	0.153	-	-
Sodium	mg/l	25.6 ± 0.277	- ± -	0.87	-	-
Sulfate (as SO ₄)	mg/l	24.7 ± 0.31	- ± -	0.815	-	-
Total-P (as PO ₄)	mg/l	1.1 ± 0.0151	1.25 ± 0.13	0.0824	114	0.58
Total hardness	mmol/l	2 ± 0.0126	- ± -	0.0599	-	-
Total nitrogen	mg/l	5.05 ± 0.0813	- ± -	0.42	-	-

Sample: N155BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	4.27 ± 0.0971	- ± -	0.427	-	-



Sample: N155A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	7.28 ± 0.029	7.23 ± 1	0.146	99.3	-0.36
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00275	0.1 ± 1	0.0102	117	1.43
Boron	mg/l	0.0534 ± 0.00214	- ± -	0.00588	-	-
Calcium	mg/l	155 ± 2	164.4 ± 1	4.82	106	1.88
Chloride	mg/l	85.1 ± 0.62	83.7 ± 1	3.4	98.4	-0.40
El. conductivity (25°C)	µS/cm	1080 ± 4.42	1212 ± 1	14	112	9.48
Hydrogen carbonate	mg/l	442 ± 1.46	441.03 ± 1	8.84	99.8	-0.11
Magnesium	mg/l	36.2 ± 0.459	34.6 ± 1	1.45	95.6	-1.10
Nitrate (as NO ₃)	mg/l	10.7 ± 0.126	10.5 ± 1	0.537	97.8	-0.45
Nitrite (as NO ₂)	mg/l	0.102 ± 0.00202	0.11 ± 1	0.00539	108	1.53
Orthophosphate (as PO ₄)	mg/l	0.0589 ± 0.00231	0.05 ± 1	0.0053	84.9	-1.68
pH-value	-	7.73 ± 0.027	7.76 ± 1	0.155	100	0.17
Potassium	mg/l	2.4 ± 0.0526	2.32 ± 1	0.125	96.8	-0.62
Sodium	mg/l	21.5 ± 0.289	20.8 ± 1	0.73	96.8	-0.93
Sulfate (as SO ₄)	mg/l	94.2 ± 1.02	95.8 ± 1	3.11	102	0.50
Total-P (as PO ₄)	mg/l	1.16 ± 0.0213	- ± -	0.0869	-	-
Total hardness	mmol/l	5.41 ± 0.0392	- ± -	0.162	-	-
Total nitrogen	mg/l	2.59 ± 0.0647	- ± -	0.215	-	-

Sample: N155ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.07 ± 0.0588	2.13 ± 1	0.207	103	0.27

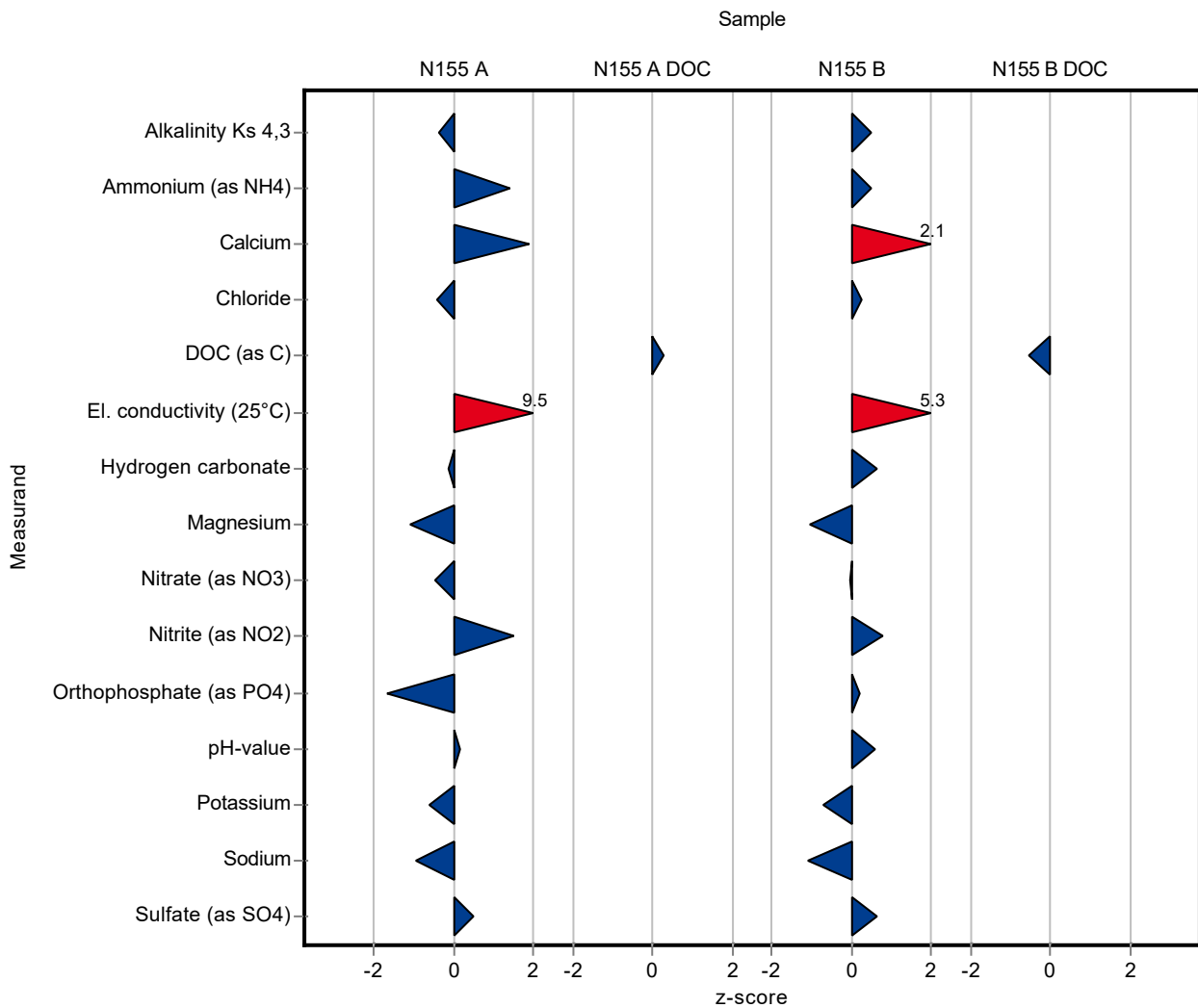
Sample: N155B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	3.11 ± 0.0171	3.14 ± 1	0.0622	101	0.49
Ammonium (as NH ₄)	mg/l	0.359 ± 0.00779	0.38 ± 1	0.0431	106	0.48
Boron	mg/l	0.0189 ± 0.000778	- ± -	0.00208	-	-
Calcium	mg/l	58.7 ± 0.681	62.5 ± 1	1.82	106	2.07

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Chloride	mg/l	44.2 ± 0.341	44.6 ± 1	1.77	101	0.24
El. conductivity (25°C)	µS/cm	517 ± 1.75	553 ± 1	6.72	107	5.34
Hydrogen carbonate	mg/l	189 ± 1.54	191.5 ± 1	3.78	101	0.65
Magnesium	mg/l	12.5 ± 0.185	12 ± 1	0.501	95.8	-1.04
Nitrate (as NO ₃)	mg/l	20.1 ± 0.156	20.1 ± 1	1.01	99.9	-0.01
Nitrite (as NO ₂)	mg/l	0.24 ± 0.00384	0.25 ± 1	0.0127	104	0.80
Orthophosphate (as PO ₄)	mg/l	0.235 ± 0.00356	0.24 ± 1	0.0212	102	0.21
pH-value	-	7.92 ± 0.0209	8.02 ± 1	0.158	101	0.61
Potassium	mg/l	2.94 ± 0.0476	2.83 ± 1	0.153	96.2	-0.72
Sodium	mg/l	25.6 ± 0.277	24.6 ± 1	0.87	96.2	-1.12
Sulfate (as SO ₄)	mg/l	24.7 ± 0.31	25.2 ± 1	0.815	102	0.63
Total-P (as PO ₄)	mg/l	1.1 ± 0.0151	- ± -	0.0824	-	-
Total hardness	mmol/l	2 ± 0.0126	- ± -	0.0599	-	-
Total nitrogen	mg/l	5.05 ± 0.0813	- ± -	0.42	-	-

Sample: N155BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	4.27 ± 0.0971	4.03 ± 1	0.427	94.5	-0.55



Sample: N155A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	7.28 ± 0.029	7.23 ± 1	0.146	99.3	-0.03
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00275	0.1 ± 1	0.0102	117	0.01
Boron	mg/l	0.0534 ± 0.00214	- ± -	0.00588	-	-
Calcium	mg/l	155 ± 2	164.4 ± 1	4.82	106	3.21
Chloride	mg/l	85.1 ± 0.62	83.7 ± 1	3.4	98.4	-0.65
El. conductivity (25°C)	µS/cm	1080 ± 4.42	1212 ± 1	14	112	27.40
Hydrogen carbonate	mg/l	442 ± 1.46	441.03 ± 1	8.84	99.8	-0.40
Magnesium	mg/l	36.2 ± 0.459	34.6 ± 1	1.45	95.6	-0.77
Nitrate (as NO ₃)	mg/l	10.7 ± 0.126	10.5 ± 1	0.537	97.8	-0.12
Nitrite (as NO ₂)	mg/l	0.102 ± 0.00202	0.11 ± 1	0.00539	108	0.00
Orthophosphate (as PO ₄)	mg/l	0.0589 ± 0.00231	0.05 ± 1	0.0053	84.9	0.00
pH-value	-	7.73 ± 0.027	7.76 ± 1	0.155	100	0.01
Potassium	mg/l	2.4 ± 0.0526	2.32 ± 1	0.125	96.8	-0.04
Sodium	mg/l	21.5 ± 0.289	20.8 ± 1	0.73	96.8	-0.34
Sulfate (as SO ₄)	mg/l	94.2 ± 1.02	95.8 ± 1	3.11	102	0.69
Total-P (as PO ₄)	mg/l	1.16 ± 0.0213	- ± -	0.0869	-	-
Total hardness	mmol/l	5.41 ± 0.0392	- ± -	0.162	-	-
Total nitrogen	mg/l	2.59 ± 0.0647	- ± -	0.215	-	-

Sample: N155ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	2.07 ± 0.0588	2.13 ± 1	0.207	103	0.03

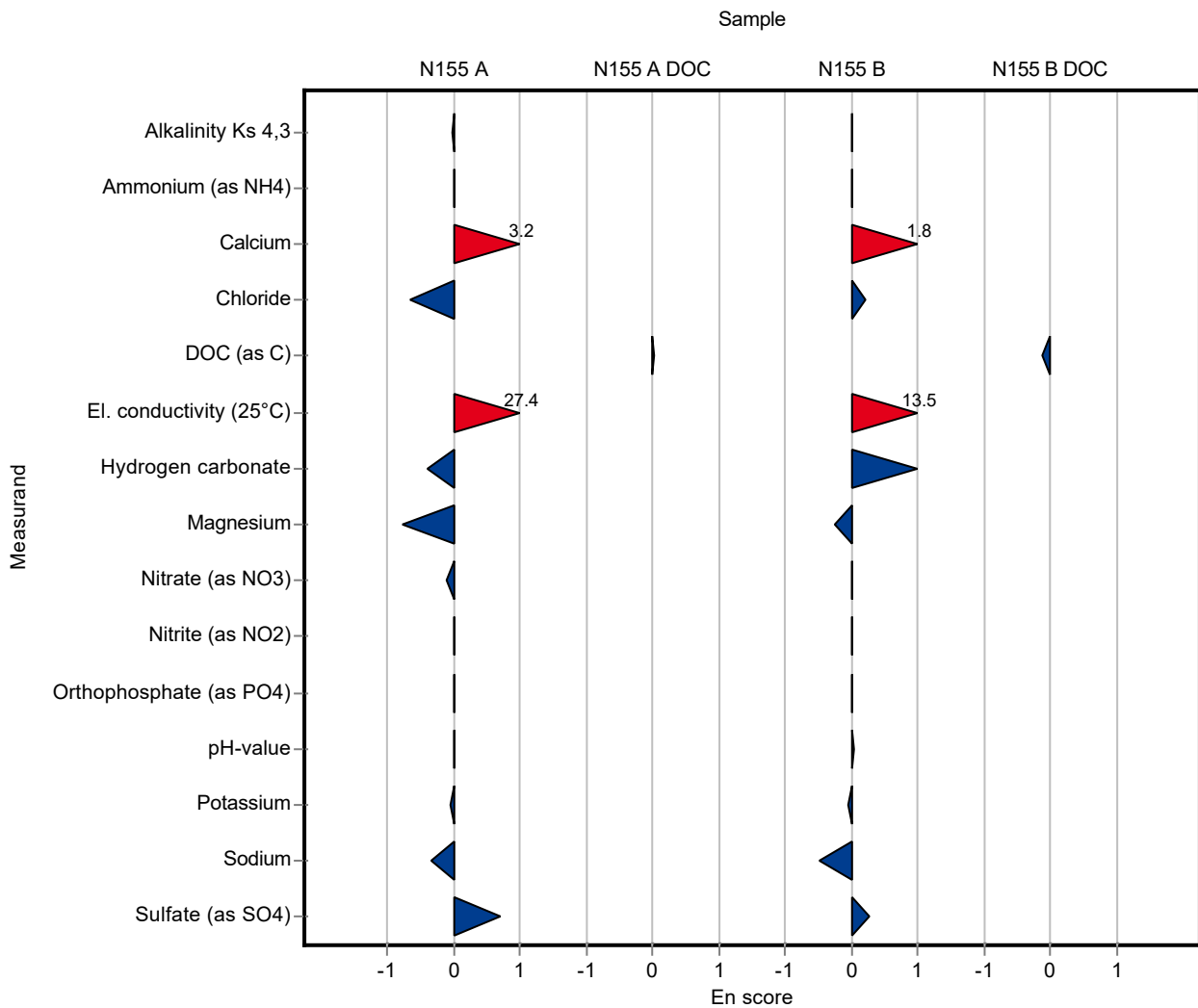
Sample: N155B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	3.11 ± 0.0171	3.14 ± 1	0.0622	101	0.02
Ammonium (as NH ₄)	mg/l	0.359 ± 0.00779	0.38 ± 1	0.0431	106	0.01
Boron	mg/l	0.0189 ± 0.000778	- ± -	0.00208	-	-
Calcium	mg/l	58.7 ± 0.681	62.5 ± 1	1.82	106	1.78

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Chloride	mg/l	44.2 ± 0.341	44.6 ± 1	1.77	101	0.21
El. conductivity (25°C)	µS/cm	517 ± 1.75	553 ± 1	6.72	107	13.50
Hydrogen carbonate	mg/l	189 ± 1.54	191.5 ± 1	3.78	101	0.98
Magnesium	mg/l	12.5 ± 0.185	12 ± 1	0.501	95.8	-0.26
Nitrate (as NO ₃)	mg/l	20.1 ± 0.156	20.1 ± 1	1.01	99.9	-0.01
Nitrite (as NO ₂)	mg/l	0.24 ± 0.00384	0.25 ± 1	0.0127	104	0.01
Orthophosphate (as PO ₄)	mg/l	0.235 ± 0.00356	0.24 ± 1	0.0212	102	0.00
pH-value	-	7.92 ± 0.0209	8.02 ± 1	0.158	101	0.05
Potassium	mg/l	2.94 ± 0.0476	2.83 ± 1	0.153	96.2	-0.06
Sodium	mg/l	25.6 ± 0.277	24.6 ± 1	0.87	96.2	-0.48
Sulfate (as SO ₄)	mg/l	24.7 ± 0.31	25.2 ± 1	0.815	102	0.25
Total-P (as PO ₄)	mg/l	1.1 ± 0.0151	- ± -	0.0824	-	-
Total hardness	mmol/l	2 ± 0.0126	- ± -	0.0599	-	-
Total nitrogen	mg/l	5.05 ± 0.0813	- ± -	0.42	-	-

Sample: N155BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	4.27 ± 0.0971	4.03 ± 1	0.427	94.5	-0.12



Sample: N155A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	7.28 ± 0.029	7.28 ± 0.2	0.146	100	-0.02
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00275	0.0956 ± 0.0018	0.0102	112	1.00
Boron	mg/l	0.0534 ± 0.00214	0.059 ± 0.0015	0.00588	110	0.94
Calcium	mg/l	155 ± 2	163 ± 5.9	4.82	105	1.59
Chloride	mg/l	85.1 ± 0.62	86.4 ± 0.83	3.4	102	0.40
El. conductivity (25°C)	µS/cm	1080 ± 4.42	1090 ± 0.08	14	101	0.78
Hydrogen carbonate	mg/l	442 ± 1.46	441 ± 8.82	8.84	99.8	-0.12
Magnesium	mg/l	36.2 ± 0.459	36.6 ± 1.03	1.45	101	0.28
Nitrate (as NO ₃)	mg/l	10.7 ± 0.126	11 ± 0.64	0.537	102	0.48
Nitrite (as NO ₂)	mg/l	0.102 ± 0.00202	0.1003 ± 0.0015	0.00539	98.6	-0.27
Orthophosphate (as PO ₄)	mg/l	0.0589 ± 0.00231	0.0583 ± 0.0018	0.0053	99	-0.11
pH-value	-	7.73 ± 0.027	7.68 ± 0.08	0.155	99.3	-0.34
Potassium	mg/l	2.4 ± 0.0526	2.53 ± 0.029	0.125	106	1.06
Sodium	mg/l	21.5 ± 0.289	22.7 ± 0.28	0.73	106	1.67
Sulfate (as SO ₄)	mg/l	94.2 ± 1.02	95.5 ± 0.98	3.11	101	0.40
Total-P (as PO ₄)	mg/l	1.16 ± 0.0213	1.066 ± 0.0154	0.0869	92.1	-1.06
Total hardness	mmol/l	5.41 ± 0.0392	5.56 ± 0.153	0.162	103	0.92
Total nitrogen	mg/l	2.59 ± 0.0647	2.77 ± 0.07	0.215	107	0.86

Sample: N155ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.07 ± 0.0588	2 ± 0.06	0.207	96.4	-0.36

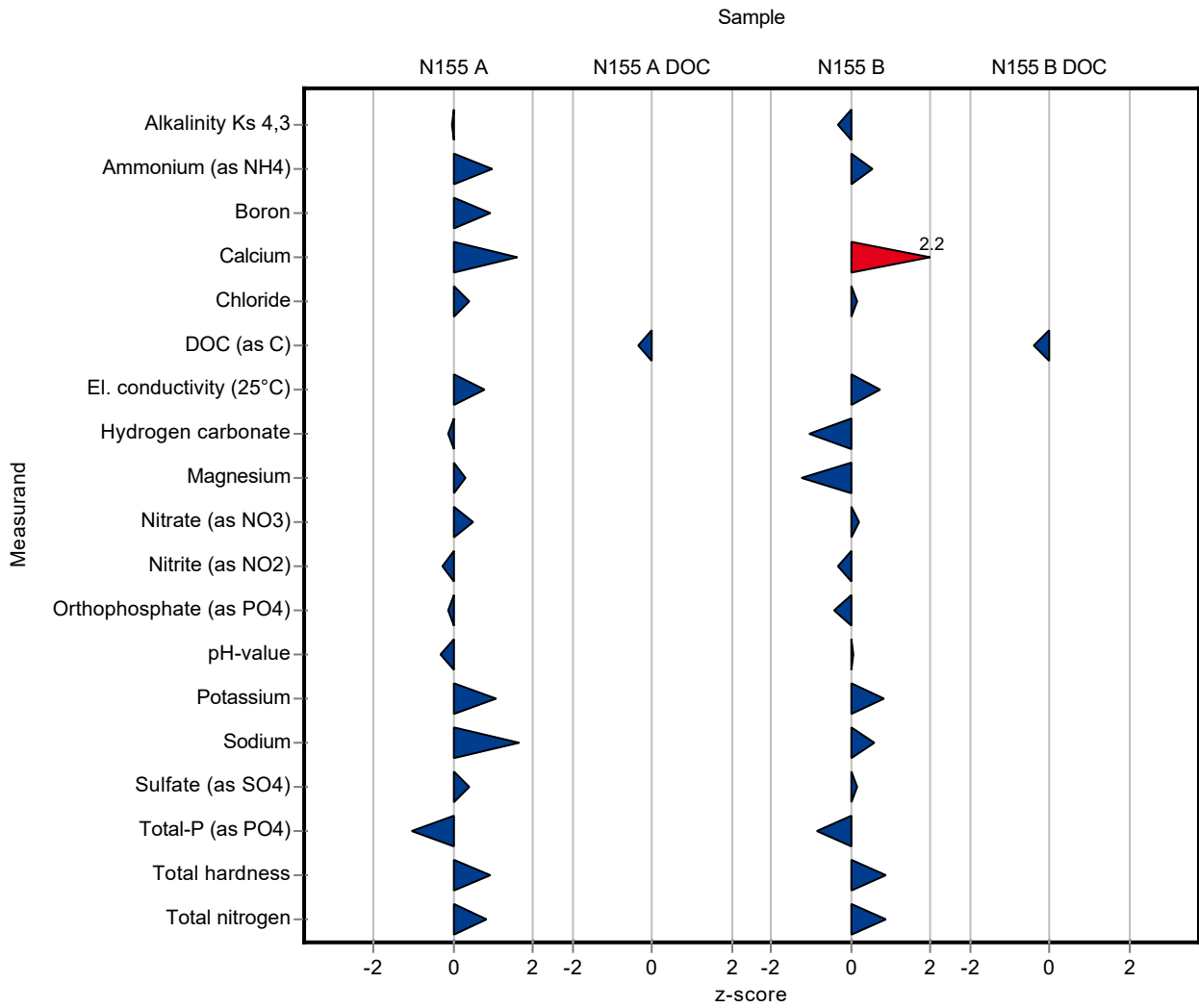
Sample: N155B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	3.11 ± 0.0171	3.09 ± 0.11	0.0622	99.4	-0.31
Ammonium (as NH ₄)	mg/l	0.359 ± 0.00779	0.3827 ± 0.0089	0.0431	107	0.55
Boron	mg/l	0.0189 ± 0.000778	<0.02 (LOQ) ± -	0.00208	-	-
Calcium	mg/l	58.7 ± 0.681	62.7 ± 1	1.82	107	2.18

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Chloride	mg/l	44.2 ± 0.341	44.5 ± 0.43	1.77	101	0.18
El. conductivity (25°C)	µS/cm	517 ± 1.75	522 ± 0.2	6.72	101	0.73
Hydrogen carbonate	mg/l	189 ± 1.54	185 ± 3.71	3.78	97.9	-1.07
Magnesium	mg/l	12.5 ± 0.185	11.9 ± 1.19	0.501	95	-1.24
Nitrate (as NO ₃)	mg/l	20.1 ± 0.156	20.3 ± 0.52	1.01	101	0.18
Nitrite (as NO ₂)	mg/l	0.24 ± 0.00384	0.2355 ± 0.0019	0.0127	98.2	-0.34
Orthophosphate (as PO ₄)	mg/l	0.235 ± 0.00356	0.2266 ± 0.002	0.0212	96.2	-0.42
pH-value	-	7.92 ± 0.0209	7.93 ± 0.08	0.158	100	0.04
Potassium	mg/l	2.94 ± 0.0476	3.07 ± 0.031	0.153	104	0.85
Sodium	mg/l	25.6 ± 0.277	26.1 ± 0.28	0.87	102	0.60
Sulfate (as SO ₄)	mg/l	24.7 ± 0.31	24.8 ± 0.37	0.815	100	0.14
Total-P (as PO ₄)	mg/l	1.1 ± 0.0151	1.027 ± 0.0152	0.0824	93.5	-0.86
Total hardness	mmol/l	2 ± 0.0126	2.05 ± 0.055	0.0599	103	0.90
Total nitrogen	mg/l	5.05 ± 0.0813	5.42 ± 0.07	0.42	107	0.87

Sample: N155BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	4.27 ± 0.0971	4.09 ± 0.06	0.427	95.9	-0.41



Sample: N155A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	7.28 ± 0.029	7.28 ± 0.2	0.146	100	-0.01
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00275	0.0956 ± 0.0018	0.0102	112	2.26
Boron	mg/l	0.0534 ± 0.00214	0.059 ± 0.0015	0.00588	110	1.51
Calcium	mg/l	155 ± 2	163 ± 5.9	4.82	105	0.64
Chloride	mg/l	85.1 ± 0.62	86.4 ± 0.83	3.4	102	0.76
El. conductivity (25°C)	µS/cm	1080 ± 4.42	1090 ± 0.08	14	101	2.47
Hydrogen carbonate	mg/l	442 ± 1.46	441 ± 8.82	8.84	99.8	-0.06
Magnesium	mg/l	36.2 ± 0.459	36.6 ± 1.03	1.45	101	0.20
Nitrate (as NO ₃)	mg/l	10.7 ± 0.126	11 ± 0.64	0.537	102	0.20
Nitrite (as NO ₂)	mg/l	0.102 ± 0.00202	0.1003 ± 0.0015	0.00539	98.6	-0.41
Orthophosphate (as PO ₄)	mg/l	0.0589 ± 0.00231	0.0583 ± 0.0018	0.0053	99	-0.14
pH-value	-	7.73 ± 0.027	7.68 ± 0.08	0.155	99.3	-0.33
Potassium	mg/l	2.4 ± 0.0526	2.53 ± 0.029	0.125	106	1.70
Sodium	mg/l	21.5 ± 0.289	22.7 ± 0.28	0.73	106	1.93
Sulfate (as SO ₄)	mg/l	94.2 ± 1.02	95.5 ± 0.98	3.11	101	0.57
Total-P (as PO ₄)	mg/l	1.16 ± 0.0213	1.066 ± 0.0154	0.0869	92.1	-2.46
Total hardness	mmol/l	5.41 ± 0.0392	5.56 ± 0.153	0.162	103	0.48
Total nitrogen	mg/l	2.59 ± 0.0647	2.77 ± 0.07	0.215	107	1.20

Sample: N155ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	2.07 ± 0.0588	2 ± 0.06	0.207	96.4	-0.55

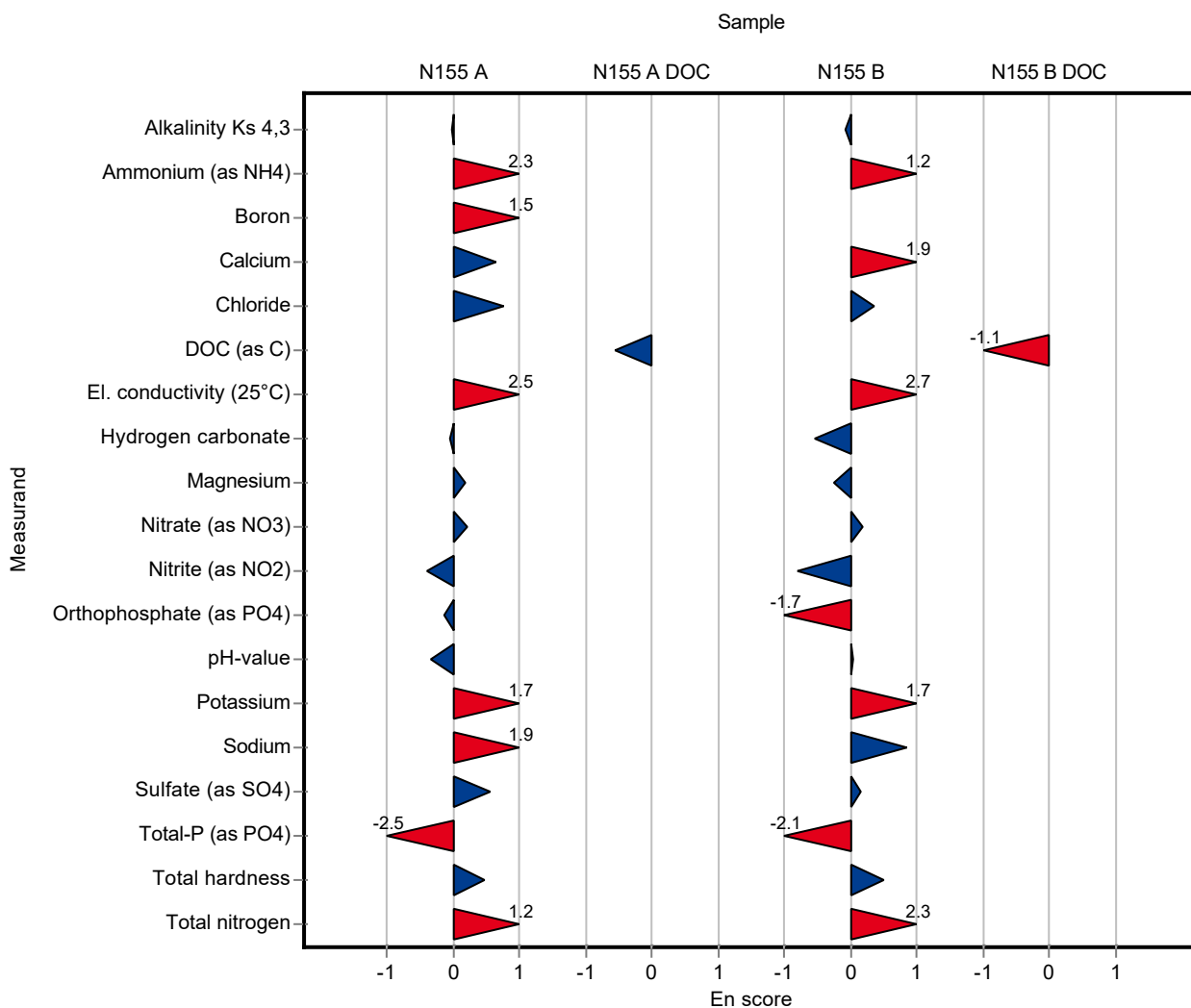
Sample: N155B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	3.11 ± 0.0171	3.09 ± 0.11	0.0622	99.4	-0.09
Ammonium (as NH ₄)	mg/l	0.359 ± 0.00779	0.3827 ± 0.0089	0.0431	107	1.21
Boron	mg/l	0.0189 ± 0.000778	<0.02 (LOQ) ± -	0.00208	-	-
Calcium	mg/l	58.7 ± 0.681	62.7 ± 1	1.82	107	1.88

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Chloride	mg/l	44.2 ± 0.341	44.5 ± 0.43	1.77	101	0.34
El. conductivity (25°C)	µS/cm	517 ± 1.75	522 ± 0.2	6.72	101	2.75
Hydrogen carbonate	mg/l	189 ± 1.54	185 ± 3.71	3.78	97.9	-0.53
Magnesium	mg/l	12.5 ± 0.185	11.9 ± 1.19	0.501	95	-0.26
Nitrate (as NO ₃)	mg/l	20.1 ± 0.156	20.3 ± 0.52	1.01	101	0.18
Nitrite (as NO ₂)	mg/l	0.24 ± 0.00384	0.2355 ± 0.0019	0.0127	98.2	-0.80
Orthophosphate (as PO ₄)	mg/l	0.235 ± 0.00356	0.2266 ± 0.002	0.0212	96.2	-1.66
pH-value	-	7.92 ± 0.0209	7.93 ± 0.08	0.158	100	0.04
Potassium	mg/l	2.94 ± 0.0476	3.07 ± 0.031	0.153	104	1.66
Sodium	mg/l	25.6 ± 0.277	26.1 ± 0.28	0.87	102	0.84
Sulfate (as SO ₄)	mg/l	24.7 ± 0.31	24.8 ± 0.37	0.815	100	0.14
Total-P (as PO ₄)	mg/l	1.1 ± 0.0151	1.027 ± 0.0152	0.0824	93.5	-2.09
Total hardness	mmol/l	2 ± 0.0126	2.05 ± 0.055	0.0599	103	0.48
Total nitrogen	mg/l	5.05 ± 0.0813	5.42 ± 0.07	0.42	107	2.26

Sample: N155BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	4.27 ± 0.0971	4.09 ± 0.06	0.427	95.9	-1.14



Sample: N155A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	7.28 ± 0.029	7.38 ± 0.36	0.146	101	0.67
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00275	- ± -	0.0102	-	-
Boron	mg/l	0.0534 ± 0.00214	- ± -	0.00588	-	-
Calcium	mg/l	155 ± 2	- ± -	4.82	-	-
Chloride	mg/l	85.1 ± 0.62	- ± -	3.4	-	-
El. conductivity (25°C)	µS/cm	1080 ± 4.42	1085 ± 24	14	101	0.42
Hydrogen carbonate	mg/l	442 ± 1.46	- ± -	8.84	-	-
Magnesium	mg/l	36.2 ± 0.459	- ± -	1.45	-	-
Nitrate (as NO ₃)	mg/l	10.7 ± 0.126	- ± -	0.537	-	-
Nitrite (as NO ₂)	mg/l	0.102 ± 0.00202	- ± -	0.00539	-	-
Orthophosphate (as PO ₄)	mg/l	0.0589 ± 0.00231	- ± -	0.0053	-	-
pH-value	-	7.73 ± 0.027	7.69 ± 0.07	0.155	99.4	-0.28
Potassium	mg/l	2.4 ± 0.0526	- ± -	0.125	-	-
Sodium	mg/l	21.5 ± 0.289	- ± -	0.73	-	-
Sulfate (as SO ₄)	mg/l	94.2 ± 1.02	- ± -	3.11	-	-
Total-P (as PO ₄)	mg/l	1.16 ± 0.0213	- ± -	0.0869	-	-
Total hardness	mmol/l	5.41 ± 0.0392	- ± -	0.162	-	-
Total nitrogen	mg/l	2.59 ± 0.0647	- ± -	0.215	-	-

Sample: N155ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.07 ± 0.0588	- ± -	0.207	-	-

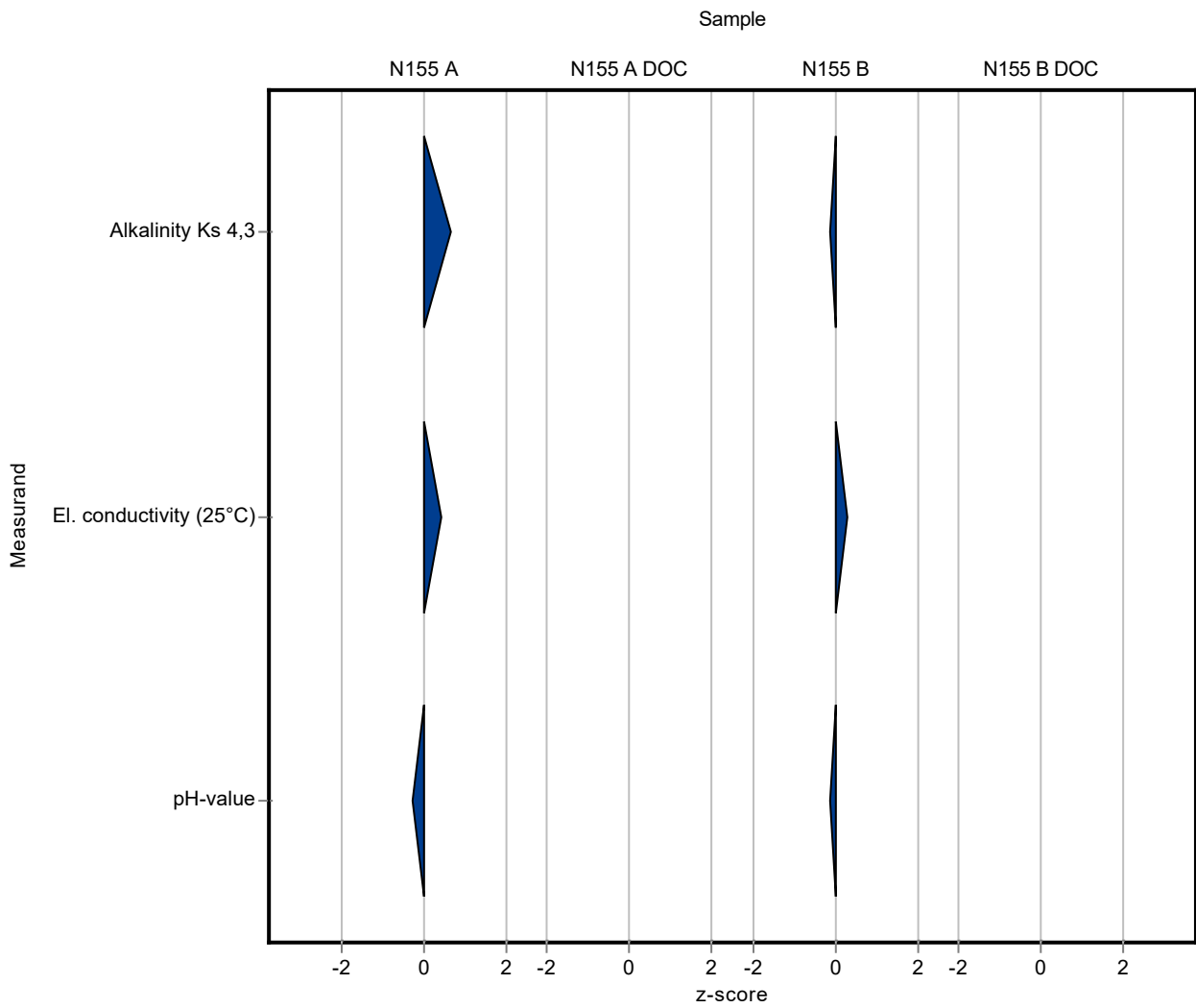
Sample: N155B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	3.11 ± 0.0171	3.1 ± 0.15	0.0622	99.7	-0.15
Ammonium (as NH ₄)	mg/l	0.359 ± 0.00779	- ± -	0.0431	-	-
Boron	mg/l	0.0189 ± 0.000778	- ± -	0.00208	-	-
Calcium	mg/l	58.7 ± 0.681	- ± -	1.82	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Chloride	mg/l	44.2 ± 0.341	- ± -	1.77	-	-
El. conductivity (25°C)	µS/cm	517 ± 1.75	519 ± 12	6.72	100	0.29
Hydrogen carbonate	mg/l	189 ± 1.54	- ± -	3.78	-	-
Magnesium	mg/l	12.5 ± 0.185	- ± -	0.501	-	-
Nitrate (as NO ₃)	mg/l	20.1 ± 0.156	- ± -	1.01	-	-
Nitrite (as NO ₂)	mg/l	0.24 ± 0.00384	- ± -	0.0127	-	-
Orthophosphate (as PO ₄)	mg/l	0.235 ± 0.00356	- ± -	0.0212	-	-
pH-value	-	7.92 ± 0.0209	7.9 ± 0.07	0.158	99.7	-0.15
Potassium	mg/l	2.94 ± 0.0476	- ± -	0.153	-	-
Sodium	mg/l	25.6 ± 0.277	- ± -	0.87	-	-
Sulfate (as SO ₄)	mg/l	24.7 ± 0.31	- ± -	0.815	-	-
Total-P (as PO ₄)	mg/l	1.1 ± 0.0151	- ± -	0.0824	-	-
Total hardness	mmol/l	2 ± 0.0126	- ± -	0.0599	-	-
Total nitrogen	mg/l	5.05 ± 0.0813	- ± -	0.42	-	-

Sample: N155BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	4.27 ± 0.0971	- ± -	0.427	-	-



Sample: N155A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	7.28 ± 0.029	7.38 ± 0.36	0.146	101	0.13
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00275	- ± -	0.0102	-	-
Boron	mg/l	0.0534 ± 0.00214	- ± -	0.00588	-	-
Calcium	mg/l	155 ± 2	- ± -	4.82	-	-
Chloride	mg/l	85.1 ± 0.62	- ± -	3.4	-	-
El. conductivity (25°C)	µS/cm	1080 ± 4.42	1085 ± 24	14	101	0.12
Hydrogen carbonate	mg/l	442 ± 1.46	- ± -	8.84	-	-
Magnesium	mg/l	36.2 ± 0.459	- ± -	1.45	-	-
Nitrate (as NO ₃)	mg/l	10.7 ± 0.126	- ± -	0.537	-	-
Nitrite (as NO ₂)	mg/l	0.102 ± 0.00202	- ± -	0.00539	-	-
Orthophosphate (as PO ₄)	mg/l	0.0589 ± 0.00231	- ± -	0.0053	-	-
pH-value	-	7.73 ± 0.027	7.69 ± 0.07	0.155	99.4	-0.30
Potassium	mg/l	2.4 ± 0.0526	- ± -	0.125	-	-
Sodium	mg/l	21.5 ± 0.289	- ± -	0.73	-	-
Sulfate (as SO ₄)	mg/l	94.2 ± 1.02	- ± -	3.11	-	-
Total-P (as PO ₄)	mg/l	1.16 ± 0.0213	- ± -	0.0869	-	-
Total hardness	mmol/l	5.41 ± 0.0392	- ± -	0.162	-	-
Total nitrogen	mg/l	2.59 ± 0.0647	- ± -	0.215	-	-

Sample: N155ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	2.07 ± 0.0588	- ± -	0.207	-	-

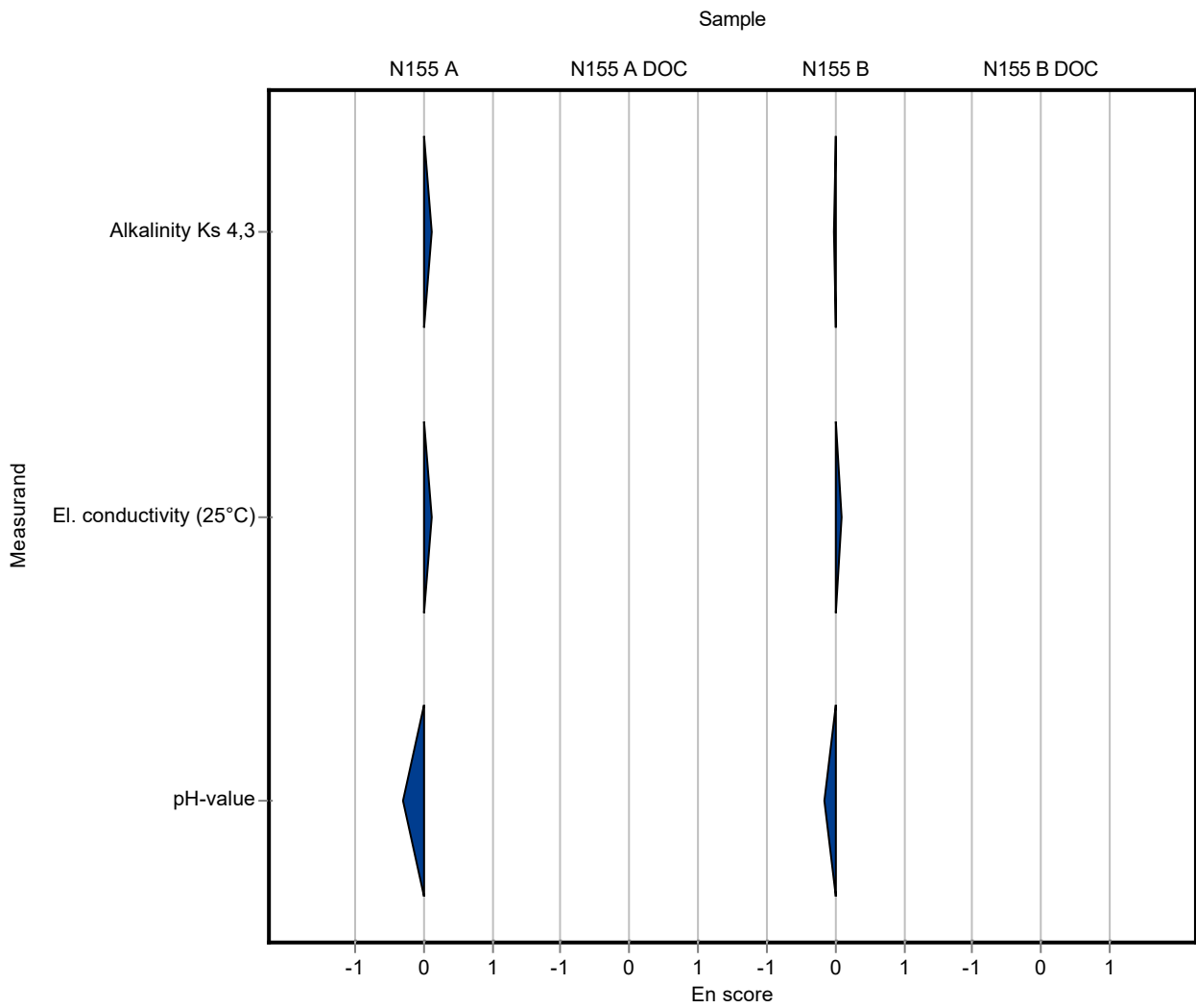
Sample: N155B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	3.11 ± 0.0171	3.1 ± 0.15	0.0622	99.7	-0.03
Ammonium (as NH ₄)	mg/l	0.359 ± 0.00779	- ± -	0.0431	-	-
Boron	mg/l	0.0189 ± 0.000778	- ± -	0.00208	-	-
Calcium	mg/l	58.7 ± 0.681	- ± -	1.82	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Chloride	mg/l	44.2 ± 0.341	- ± -	1.77	-	-
El. conductivity (25°C)	µS/cm	517 ± 1.75	519 ± 12	6.72	100	0.08
Hydrogen carbonate	mg/l	189 ± 1.54	- ± -	3.78	-	-
Magnesium	mg/l	12.5 ± 0.185	- ± -	0.501	-	-
Nitrate (as NO ₃)	mg/l	20.1 ± 0.156	- ± -	1.01	-	-
Nitrite (as NO ₂)	mg/l	0.24 ± 0.00384	- ± -	0.0127	-	-
Orthophosphate (as PO ₄)	mg/l	0.235 ± 0.00356	- ± -	0.0212	-	-
pH-value	-	7.92 ± 0.0209	7.9 ± 0.07	0.158	99.7	-0.17
Potassium	mg/l	2.94 ± 0.0476	- ± -	0.153	-	-
Sodium	mg/l	25.6 ± 0.277	- ± -	0.87	-	-
Sulfate (as SO ₄)	mg/l	24.7 ± 0.31	- ± -	0.815	-	-
Total-P (as PO ₄)	mg/l	1.1 ± 0.0151	- ± -	0.0824	-	-
Total hardness	mmol/l	2 ± 0.0126	- ± -	0.0599	-	-
Total nitrogen	mg/l	5.05 ± 0.0813	- ± -	0.42	-	-

Sample: N155BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	4.27 ± 0.0971	- ± -	0.427	-	-



Sample: N155A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	7.28 ± 0.029	7.3 ± 0.05	0.146	100	0.12
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00275	0.085 ± 0.004	0.0102	99.6	-0.03
Boron	mg/l	0.0534 ± 0.00214	- ± -	0.00588	-	-
Calcium	mg/l	155 ± 2	150.66 ± 2.8	4.82	97	-0.97
Chloride	mg/l	85.1 ± 0.62	89.2 ± 2.02	3.4	105	1.22
El. conductivity (25°C)	µS/cm	1080 ± 4.42	1063 ± 3	14	98.5	-1.15
Hydrogen carbonate	mg/l	442 ± 1.46	442.53 ± 2.7	8.84	100	0.06
Magnesium	mg/l	36.2 ± 0.459	37.76 ± 2	1.45	104	1.09
Nitrate (as NO ₃)	mg/l	10.7 ± 0.126	11.05 ± 0.28	0.537	103	0.58
Nitrite (as NO ₂)	mg/l	0.102 ± 0.00202	0.12 ± 0.006	0.00539	118	3.38
Orthophosphate (as PO ₄)	mg/l	0.0589 ± 0.00231	0.052 ± 0.004	0.0053	88.3	-1.30
pH-value	-	7.73 ± 0.027	7.74 ± 0.01	0.155	100	0.05
Potassium	mg/l	2.4 ± 0.0526	2.4 ± 0.082	0.125	100	0.02
Sodium	mg/l	21.5 ± 0.289	21.9 ± 0.5	0.73	102	0.57
Sulfate (as SO ₄)	mg/l	94.2 ± 1.02	100.6 ± 2.589	3.11	107	2.04
Total-P (as PO ₄)	mg/l	1.16 ± 0.0213	0.379 ± 0.036	0.0869	32.7	-8.97
Total hardness	mmol/l	5.41 ± 0.0392	5.31 ± 0.11	0.162	98.1	-0.62
Total nitrogen	mg/l	2.59 ± 0.0647	2.87 ± 0.159	0.215	111	1.33

Sample: N155ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.07 ± 0.0588	2.86 ± 0.21	0.207	138	3.79

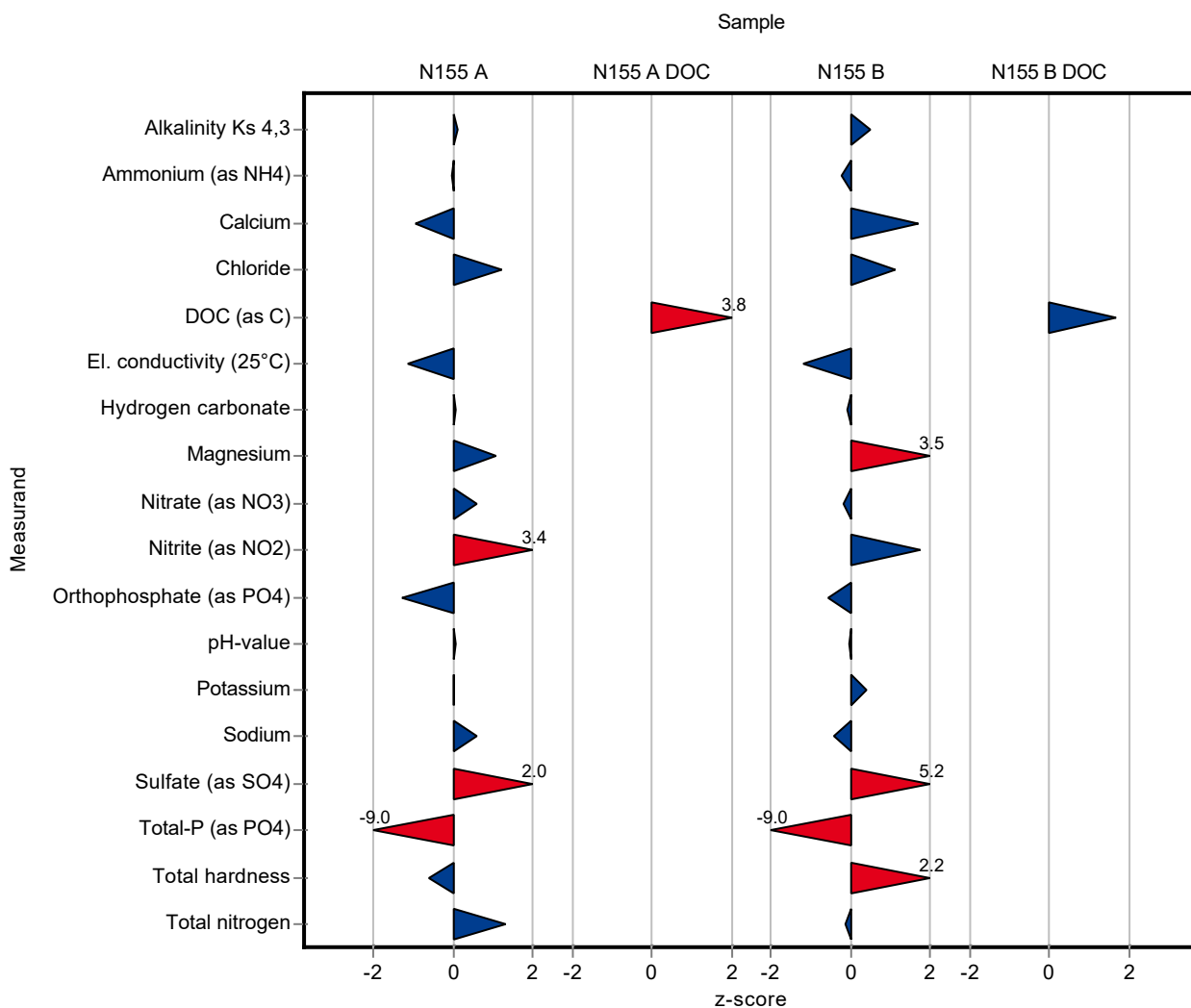
Sample: N155B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	3.11 ± 0.0171	3.14 ± 0.02	0.0622	101	0.49
Ammonium (as NH ₄)	mg/l	0.359 ± 0.00779	0.35 ± 0.017	0.0431	97.4	-0.21
Boron	mg/l	0.0189 ± 0.000778	- ± -	0.00208	-	-
Calcium	mg/l	58.7 ± 0.681	61.8 ± 1.2	1.82	105	1.68

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Chloride	mg/l	44.2 ± 0.341	46.2 ± 1.05	1.77	105	1.14
El. conductivity (25°C)	µS/cm	517 ± 1.75	509 ± 2	6.72	98.4	-1.20
Hydrogen carbonate	mg/l	189 ± 1.54	188.63 ± 1.1	3.78	99.8	-0.11
Magnesium	mg/l	12.5 ± 0.185	14.3 ± 0.8	0.501	114	3.55
Nitrate (as NO ₃)	mg/l	20.1 ± 0.156	19.91 ± 0.51	1.01	99	-0.20
Nitrite (as NO ₂)	mg/l	0.24 ± 0.00384	0.262 ± 0.014	0.0127	109	1.75
Orthophosphate (as PO ₄)	mg/l	0.235 ± 0.00356	0.223 ± 0.018	0.0212	94.7	-0.59
pH-value	-	7.92 ± 0.0209	7.92 ± 0.01	0.158	100	-0.02
Potassium	mg/l	2.94 ± 0.0476	3 ± 0.103	0.153	102	0.39
Sodium	mg/l	25.6 ± 0.277	25.2 ± 0.6	0.87	98.5	-0.43
Sulfate (as SO ₄)	mg/l	24.7 ± 0.31	28.9 ± 0.7	0.815	117	5.17
Total-P (as PO ₄)	mg/l	1.1 ± 0.0151	0.36 ± 0.034	0.0824	32.8	-8.96
Total hardness	mmol/l	2 ± 0.0126	2.13 ± 0.04	0.0599	107	2.23
Total nitrogen	mg/l	5.05 ± 0.0813	4.99 ± 0.276	0.42	98.7	-0.15

Sample: N155BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	4.27 ± 0.0971	4.98 ± 0.36	0.427	117	1.67



Sample: N155A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	7.28 ± 0.029	7.3 ± 0.05	0.146	100	0.16
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00275	0.085 ± 0.004	0.0102	99.6	-0.04
Boron	mg/l	0.0534 ± 0.00214	- ± -	0.00588	-	-
Calcium	mg/l	155 ± 2	150.66 ± 2.8	4.82	97	-0.79
Chloride	mg/l	85.1 ± 0.62	89.2 ± 2.02	3.4	105	1.02
El. conductivity (25°C)	µS/cm	1080 ± 4.42	1063 ± 3	14	98.5	-2.16
Hydrogen carbonate	mg/l	442 ± 1.46	442.53 ± 2.7	8.84	100	0.09
Magnesium	mg/l	36.2 ± 0.459	37.76 ± 2	1.45	104	0.39
Nitrate (as NO ₃)	mg/l	10.7 ± 0.126	11.05 ± 0.28	0.537	103	0.54
Nitrite (as NO ₂)	mg/l	0.102 ± 0.00202	0.12 ± 0.006	0.00539	118	1.50
Orthophosphate (as PO ₄)	mg/l	0.0589 ± 0.00231	0.052 ± 0.004	0.0053	88.3	-0.83
pH-value	-	7.73 ± 0.027	7.74 ± 0.01	0.155	100	0.21
Potassium	mg/l	2.4 ± 0.0526	2.4 ± 0.082	0.125	100	0.02
Sodium	mg/l	21.5 ± 0.289	21.9 ± 0.5	0.73	102	0.40
Sulfate (as SO ₄)	mg/l	94.2 ± 1.02	100.6 ± 2.589	3.11	107	1.20
Total-P (as PO ₄)	mg/l	1.16 ± 0.0213	0.379 ± 0.036	0.0869	32.7	-10.40
Total hardness	mmol/l	5.41 ± 0.0392	5.31 ± 0.11	0.162	98.1	-0.45
Total nitrogen	mg/l	2.59 ± 0.0647	2.87 ± 0.159	0.215	111	0.88

Sample: N155ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	2.07 ± 0.0588	2.86 ± 0.21	0.207	138	1.85

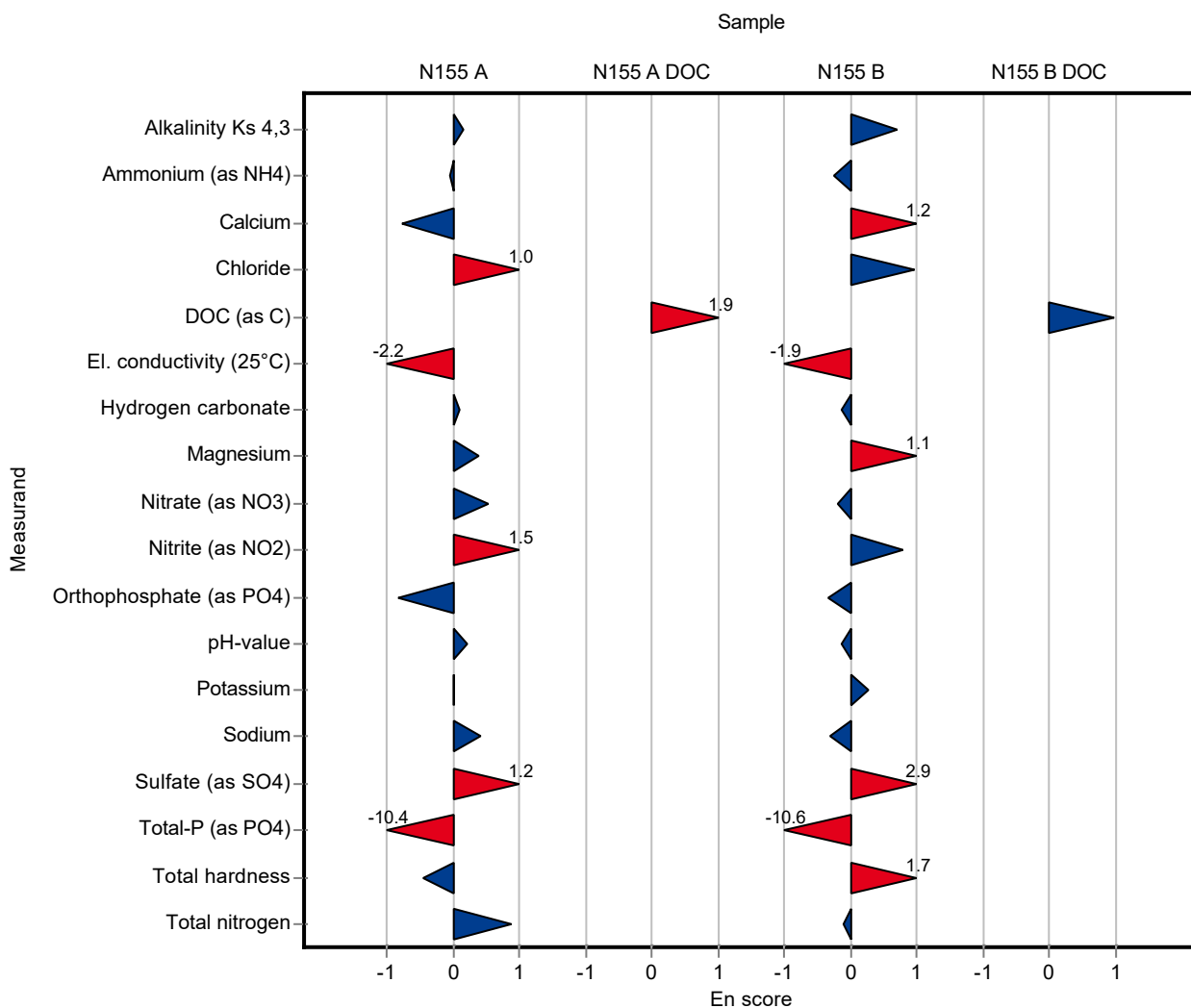
Sample: N155B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	3.11 ± 0.0171	3.14 ± 0.02	0.0622	101	0.70
Ammonium (as NH ₄)	mg/l	0.359 ± 0.00779	0.35 ± 0.017	0.0431	97.4	-0.26
Boron	mg/l	0.0189 ± 0.000778	- ± -	0.00208	-	-
Calcium	mg/l	58.7 ± 0.681	61.8 ± 1.2	1.82	105	1.23

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Chloride	mg/l	44.2 ± 0.341	46.2 ± 1.05	1.77	105	0.95
El. conductivity (25°C)	µS/cm	517 ± 1.75	509 ± 2	6.72	98.4	-1.85
Hydrogen carbonate	mg/l	189 ± 1.54	188.63 ± 1.1	3.78	99.8	-0.15
Magnesium	mg/l	12.5 ± 0.185	14.3 ± 0.8	0.501	114	1.10
Nitrate (as NO ₃)	mg/l	20.1 ± 0.156	19.91 ± 0.51	1.01	99	-0.20
Nitrite (as NO ₂)	mg/l	0.24 ± 0.00384	0.262 ± 0.014	0.0127	109	0.79
Orthophosphate (as PO ₄)	mg/l	0.235 ± 0.00356	0.223 ± 0.018	0.0212	94.7	-0.34
pH-value	-	7.92 ± 0.0209	7.92 ± 0.01	0.158	100	-0.13
Potassium	mg/l	2.94 ± 0.0476	3 ± 0.103	0.153	102	0.28
Sodium	mg/l	25.6 ± 0.277	25.2 ± 0.6	0.87	98.5	-0.31
Sulfate (as SO ₄)	mg/l	24.7 ± 0.31	28.9 ± 0.7	0.815	117	2.94
Total-P (as PO ₄)	mg/l	1.1 ± 0.0151	0.36 ± 0.034	0.0824	32.8	-10.60
Total hardness	mmol/l	2 ± 0.0126	2.13 ± 0.04	0.0599	107	1.65
Total nitrogen	mg/l	5.05 ± 0.0813	4.99 ± 0.276	0.42	98.7	-0.12

Sample: N155BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	4.27 ± 0.0971	4.98 ± 0.36	0.427	117	0.98



Sample: N155A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	7.28 ± 0.029	- ± -	0.146	-	-
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00275	- ± -	0.0102	-	-
Boron	mg/l	0.0534 ± 0.00214	- ± -	0.00588	-	-
Calcium	mg/l	155 ± 2	- ± -	4.82	-	-
Chloride	mg/l	85.1 ± 0.62	- ± -	3.4	-	-
El. conductivity (25°C)	µS/cm	1080 ± 4.42	- ± -	14	-	-
Hydrogen carbonate	mg/l	442 ± 1.46	- ± -	8.84	-	-
Magnesium	mg/l	36.2 ± 0.459	- ± -	1.45	-	-
Nitrate (as NO ₃)	mg/l	10.7 ± 0.126	- ± -	0.537	-	-
Nitrite (as NO ₂)	mg/l	0.102 ± 0.00202	- ± -	0.00539	-	-
Orthophosphate (as PO ₄)	mg/l	0.0589 ± 0.00231	<0.1 (LOQ) ± -	0.0053	-	-
pH-value	-	7.73 ± 0.027	7.79 ± 0.02	0.155	101	0.37
Potassium	mg/l	2.4 ± 0.0526	- ± -	0.125	-	-
Sodium	mg/l	21.5 ± 0.289	- ± -	0.73	-	-
Sulfate (as SO ₄)	mg/l	94.2 ± 1.02	- ± -	3.11	-	-
Total-P (as PO ₄)	mg/l	1.16 ± 0.0213	<0.1 (LOQ) ± -	0.0869	-	-
Total hardness	mmol/l	5.41 ± 0.0392	- ± -	0.162	-	-
Total nitrogen	mg/l	2.59 ± 0.0647	- ± -	0.215	-	-

Sample: N155ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.07 ± 0.0588	- ± -	0.207	-	-

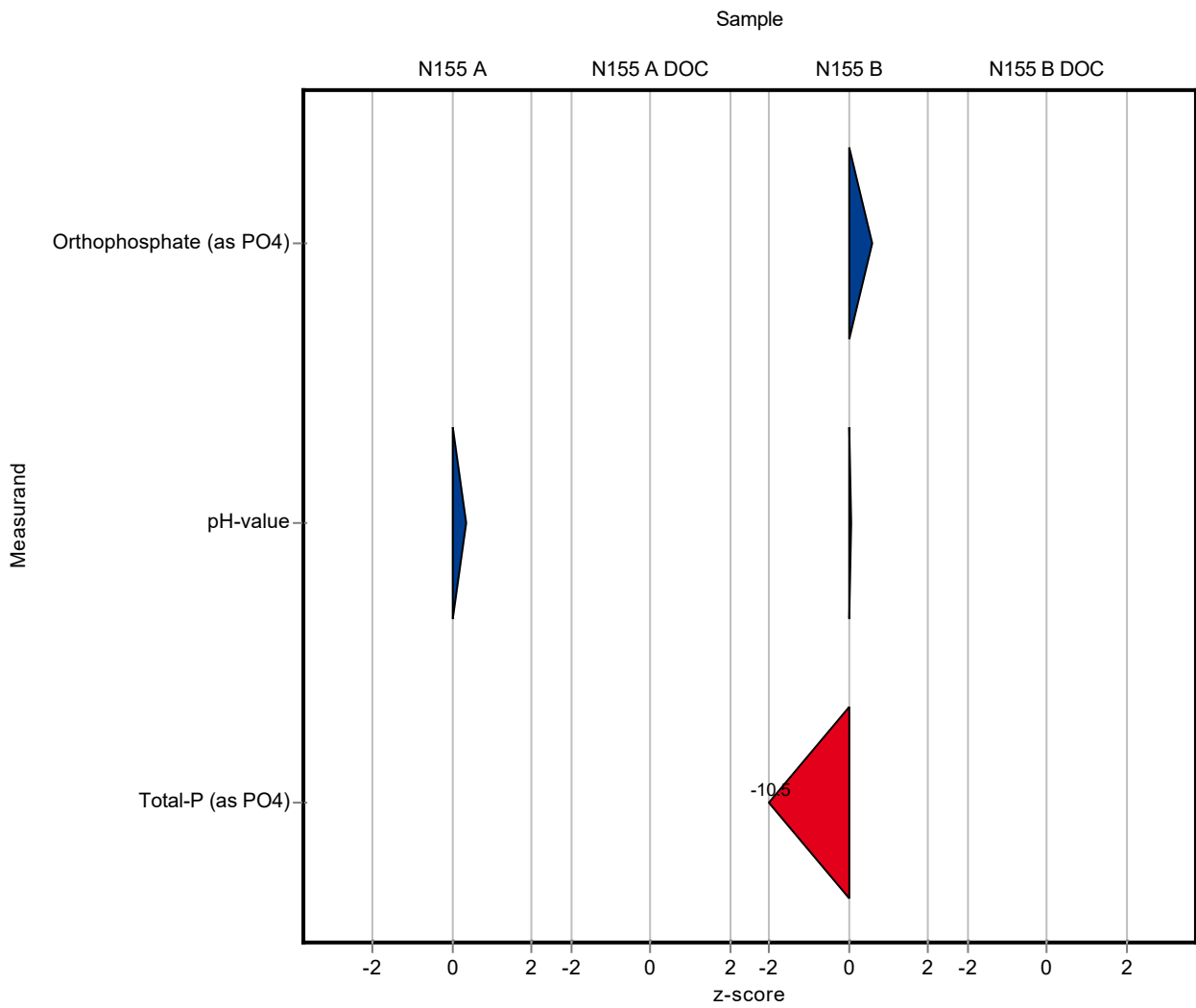
Sample: N155B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	3.11 ± 0.0171	- ± -	0.0622	-	-
Ammonium (as NH ₄)	mg/l	0.359 ± 0.00779	- ± -	0.0431	-	-
Boron	mg/l	0.0189 ± 0.000778	- ± -	0.00208	-	-
Calcium	mg/l	58.7 ± 0.681	- ± -	1.82	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Chloride	mg/l	44.2 ± 0.341	- ± -	1.77	-	-
El. conductivity (25°C)	µS/cm	517 ± 1.75	- ± -	6.72	-	-
Hydrogen carbonate	mg/l	189 ± 1.54	- ± -	3.78	-	-
Magnesium	mg/l	12.5 ± 0.185	- ± -	0.501	-	-
Nitrate (as NO ₃)	mg/l	20.1 ± 0.156	- ± -	1.01	-	-
Nitrite (as NO ₂)	mg/l	0.24 ± 0.00384	- ± -	0.0127	-	-
Orthophosphate (as PO ₄)	mg/l	0.235 ± 0.00356	0.248 ± 0.0434	0.0212	105	0.59
pH-value	-	7.92 ± 0.0209	7.93 ± 0.02	0.158	100	0.04
Potassium	mg/l	2.94 ± 0.0476	- ± -	0.153	-	-
Sodium	mg/l	25.6 ± 0.277	- ± -	0.87	-	-
Sulfate (as SO ₄)	mg/l	24.7 ± 0.31	- ± -	0.815	-	-
Total-P (as PO ₄)	mg/l	1.1 ± 0.0151	0.2362 ± 0.0413	0.0824	21.5	-10.50
Total hardness	mmol/l	2 ± 0.0126	- ± -	0.0599	-	-
Total nitrogen	mg/l	5.05 ± 0.0813	- ± -	0.42	-	-

Sample: N155BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	4.27 ± 0.0971	- ± -	0.427	-	-



Sample: N155A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	7.28 ± 0.029	- ± -	0.146	-	-
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00275	- ± -	0.0102	-	-
Boron	mg/l	0.0534 ± 0.00214	- ± -	0.00588	-	-
Calcium	mg/l	155 ± 2	- ± -	4.82	-	-
Chloride	mg/l	85.1 ± 0.62	- ± -	3.4	-	-
El. conductivity (25°C)	µS/cm	1080 ± 4.42	- ± -	14	-	-
Hydrogen carbonate	mg/l	442 ± 1.46	- ± -	8.84	-	-
Magnesium	mg/l	36.2 ± 0.459	- ± -	1.45	-	-
Nitrate (as NO ₃)	mg/l	10.7 ± 0.126	- ± -	0.537	-	-
Nitrite (as NO ₂)	mg/l	0.102 ± 0.00202	- ± -	0.00539	-	-
Orthophosphate (as PO ₄)	mg/l	0.0589 ± 0.00231	<0.1 (LOQ) ± -	0.0053	-	-
pH-value	-	7.73 ± 0.027	7.79 ± 0.02	0.155	101	1.18
Potassium	mg/l	2.4 ± 0.0526	- ± -	0.125	-	-
Sodium	mg/l	21.5 ± 0.289	- ± -	0.73	-	-
Sulfate (as SO ₄)	mg/l	94.2 ± 1.02	- ± -	3.11	-	-
Total-P (as PO ₄)	mg/l	1.16 ± 0.0213	<0.1 (LOQ) ± -	0.0869	-	-
Total hardness	mmol/l	5.41 ± 0.0392	- ± -	0.162	-	-
Total nitrogen	mg/l	2.59 ± 0.0647	- ± -	0.215	-	-

Sample: N155ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	2.07 ± 0.0588	- ± -	0.207	-	-

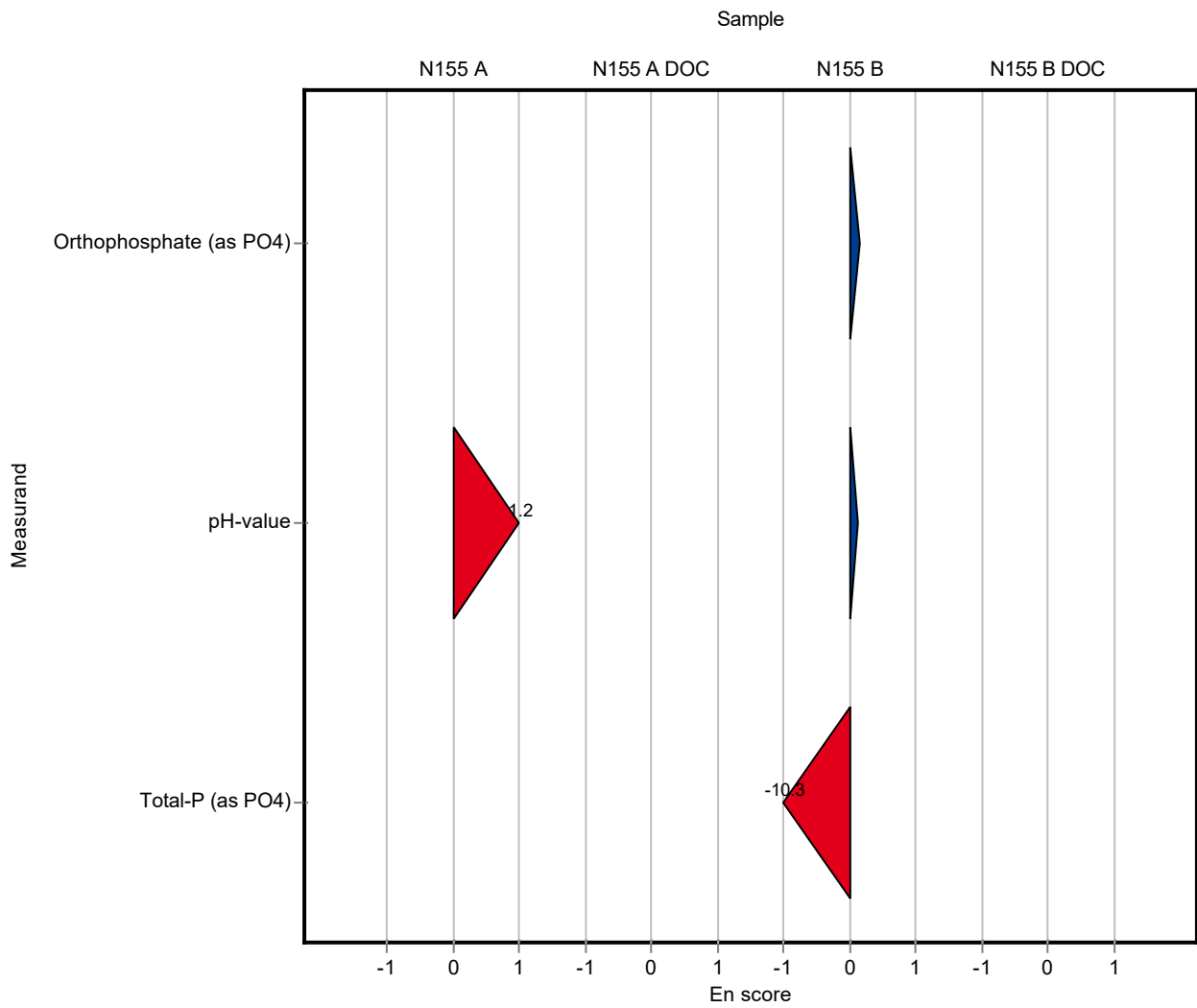
Sample: N155B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	3.11 ± 0.0171	- ± -	0.0622	-	-
Ammonium (as NH ₄)	mg/l	0.359 ± 0.00779	- ± -	0.0431	-	-
Boron	mg/l	0.0189 ± 0.000778	- ± -	0.00208	-	-
Calcium	mg/l	58.7 ± 0.681	- ± -	1.82	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Chloride	mg/l	44.2 ± 0.341	- ± -	1.77	-	-
El. conductivity (25°C)	µS/cm	517 ± 1.75	- ± -	6.72	-	-
Hydrogen carbonate	mg/l	189 ± 1.54	- ± -	3.78	-	-
Magnesium	mg/l	12.5 ± 0.185	- ± -	0.501	-	-
Nitrate (as NO ₃)	mg/l	20.1 ± 0.156	- ± -	1.01	-	-
Nitrite (as NO ₂)	mg/l	0.24 ± 0.00384	- ± -	0.0127	-	-
Orthophosphate (as PO ₄)	mg/l	0.235 ± 0.00356	0.248 ± 0.0434	0.0212	105	0.14
pH-value	-	7.92 ± 0.0209	7.93 ± 0.02	0.158	100	0.14
Potassium	mg/l	2.94 ± 0.0476	- ± -	0.153	-	-
Sodium	mg/l	25.6 ± 0.277	- ± -	0.87	-	-
Sulfate (as SO ₄)	mg/l	24.7 ± 0.31	- ± -	0.815	-	-
Total-P (as PO ₄)	mg/l	1.1 ± 0.0151	0.2362 ± 0.0413	0.0824	21.5	-10.30
Total hardness	mmol/l	2 ± 0.0126	- ± -	0.0599	-	-
Total nitrogen	mg/l	5.05 ± 0.0813	- ± -	0.42	-	-

Sample: N155BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	4.27 ± 0.0971	- ± -	0.427	-	-



Sample: N155A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	7.28 ± 0.029	7.3 ± 0.73	0.146	100	0.12
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00275	0.0736 ± 0.007	0.0102	86.2	-1.15
Boron	mg/l	0.0534 ± 0.00214	55.1 ± 13.8	0.00588	103000	9360.00
Calcium	mg/l	155 ± 2	153 ± 31	4.82	98.5	-0.48
Chloride	mg/l	85.1 ± 0.62	84.9 ± 8.5	3.4	99.8	-0.04
El. conductivity (25°C)	µS/cm	1080 ± 4.42	1085 ± 10	14	101	0.42
Hydrogen carbonate	mg/l	442 ± 1.46	445.4 ± 45	8.84	101	0.38
Magnesium	mg/l	36.2 ± 0.459	36.9 ± 7.4	1.45	102	0.49
Nitrate (as NO ₃)	mg/l	10.7 ± 0.126	10.8 ± 1.1	0.537	101	0.11
Nitrite (as NO ₂)	mg/l	0.102 ± 0.00202	0.0977 ± 0.0098	0.00539	96	-0.76
Orthophosphate (as PO ₄)	mg/l	0.0589 ± 0.00231	0.048 ± 0.005	0.0053	81.5	-2.05
pH-value	-	7.73 ± 0.027	7.7 ± 0.1	0.155	99.6	-0.21
Potassium	mg/l	2.4 ± 0.0526	2.52 ± 0.51	0.125	105	0.98
Sodium	mg/l	21.5 ± 0.289	22 ± 3.3	0.73	102	0.71
Sulfate (as SO ₄)	mg/l	94.2 ± 1.02	96 ± 9.6	3.11	102	0.56
Total-P (as PO ₄)	mg/l	1.16 ± 0.0213	1.053 ± 0.1	0.0869	90.9	-1.21
Total hardness	mmol/l	5.41 ± 0.0392	5.34 ± 0.5	0.162	98.7	-0.43
Total nitrogen	mg/l	2.59 ± 0.0647	- ± -	0.215	-	-

Sample: N155ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.07 ± 0.0588	2.16 ± 0.22	0.207	104	0.41

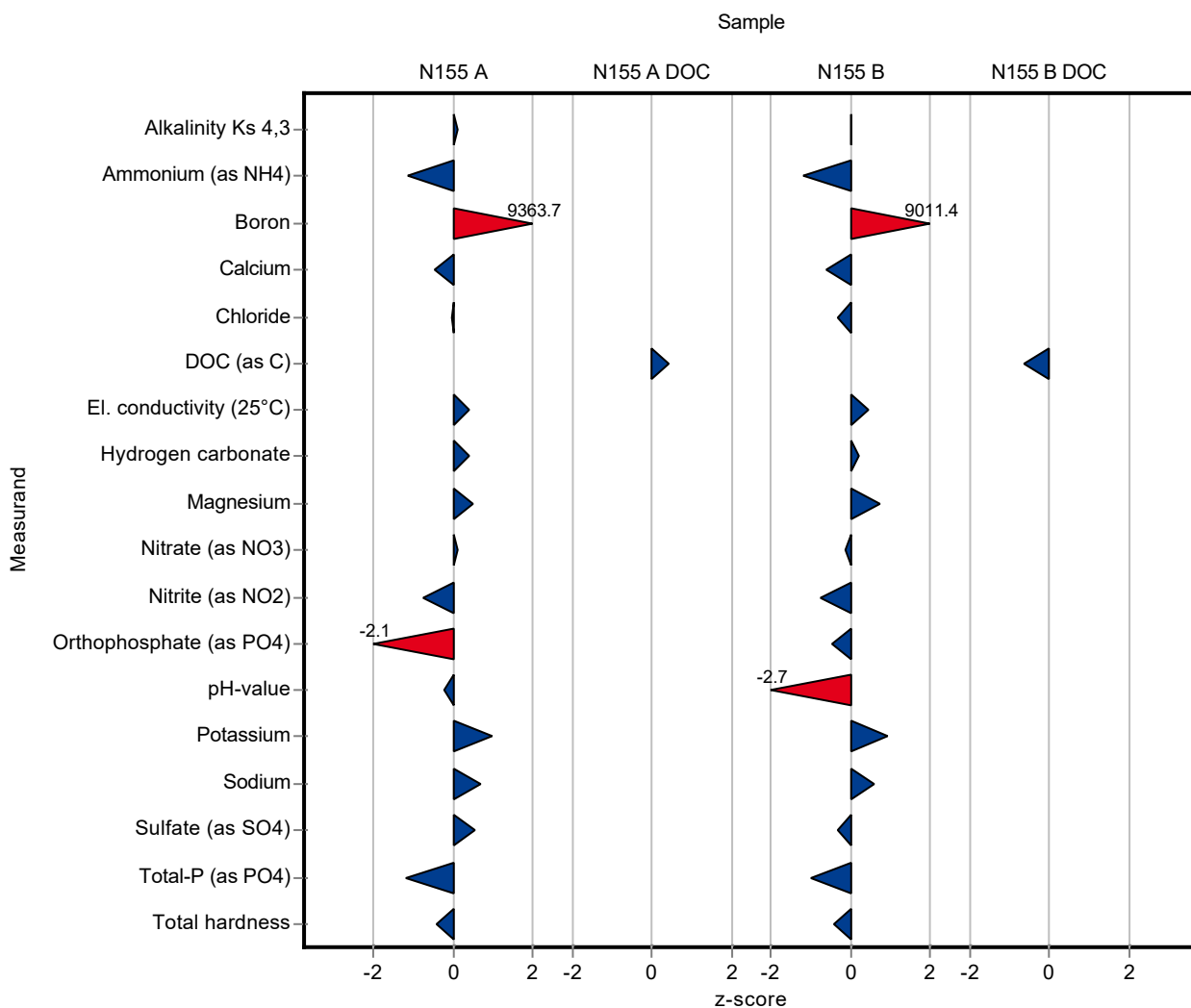
Sample: N155B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	3.11 ± 0.0171	3.11 ± 0.31	0.0622	100	0.01
Ammonium (as NH ₄)	mg/l	0.359 ± 0.00779	0.3084 ± 0.0308	0.0431	85.9	-1.18
Boron	mg/l	0.0189 ± 0.000778	18.8 ± 4.7	0.00208	99200	9010.00
Calcium	mg/l	58.7 ± 0.681	57.6 ± 11.5	1.82	98.1	-0.63

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Chloride	mg/l	44.2 ± 0.341	43.6 ± 4.4	1.77	98.7	-0.33
El. conductivity (25°C)	µS/cm	517 ± 1.75	520 ± 10	6.72	101	0.43
Hydrogen carbonate	mg/l	189 ± 1.54	189.8 ± 19	3.78	100	0.20
Magnesium	mg/l	12.5 ± 0.185	12.9 ± 2.6	0.501	103	0.75
Nitrate (as NO ₃)	mg/l	20.1 ± 0.156	20 ± 2	1.01	99.4	-0.11
Nitrite (as NO ₂)	mg/l	0.24 ± 0.00384	0.2301 ± 0.023	0.0127	96	-0.76
Orthophosphate (as PO ₄)	mg/l	0.235 ± 0.00356	0.225 ± 0.03	0.0212	95.5	-0.49
pH-value	-	7.92 ± 0.0209	7.5 ± 0.1	0.158	94.7	-2.67
Potassium	mg/l	2.94 ± 0.0476	3.08 ± 0.62	0.153	105	0.91
Sodium	mg/l	25.6 ± 0.277	26.1 ± 3.9	0.87	102	0.60
Sulfate (as SO ₄)	mg/l	24.7 ± 0.31	24.4 ± 2.4	0.815	98.8	-0.35
Total-P (as PO ₄)	mg/l	1.1 ± 0.0151	1.016 ± 0.1	0.0824	92.5	-1.00
Total hardness	mmol/l	2 ± 0.0126	1.97 ± 0.2	0.0599	98.7	-0.44
Total nitrogen	mg/l	5.05 ± 0.0813	- ± -	0.42	-	-

Sample: N155BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	4.27 ± 0.0971	4 ± 0.4	0.427	93.8	-0.62



Sample: N155A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	7.28 ± 0.029	7.3 ± 0.73	0.146	100	0.01
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00275	0.0736 ± 0.007	0.0102	86.2	-0.82
Boron	mg/l	0.0534 ± 0.00214	55.1 ± 13.8	0.00588	103000	1.99
Calcium	mg/l	155 ± 2	153 ± 31	4.82	98.5	-0.04
Chloride	mg/l	85.1 ± 0.62	84.9 ± 8.5	3.4	99.8	-0.01
El. conductivity (25°C)	µS/cm	1080 ± 4.42	1085 ± 10	14	101	0.29
Hydrogen carbonate	mg/l	442 ± 1.46	445.4 ± 45	8.84	101	0.04
Magnesium	mg/l	36.2 ± 0.459	36.9 ± 7.4	1.45	102	0.05
Nitrate (as NO ₃)	mg/l	10.7 ± 0.126	10.8 ± 1.1	0.537	101	0.03
Nitrite (as NO ₂)	mg/l	0.102 ± 0.00202	0.0977 ± 0.0098	0.00539	96	-0.21
Orthophosphate (as PO ₄)	mg/l	0.0589 ± 0.00231	0.048 ± 0.005	0.0053	81.5	-1.06
pH-value	-	7.73 ± 0.027	7.7 ± 0.1	0.155	99.6	-0.16
Potassium	mg/l	2.4 ± 0.0526	2.52 ± 0.51	0.125	105	0.12
Sodium	mg/l	21.5 ± 0.289	22 ± 3.3	0.73	102	0.08
Sulfate (as SO ₄)	mg/l	94.2 ± 1.02	96 ± 9.6	3.11	102	0.09
Total-P (as PO ₄)	mg/l	1.16 ± 0.0213	1.053 ± 0.1	0.0869	90.9	-0.52
Total hardness	mmol/l	5.41 ± 0.0392	5.34 ± 0.5	0.162	98.7	-0.07
Total nitrogen	mg/l	2.59 ± 0.0647	- ± -	0.215	-	-

Sample: N155ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	2.07 ± 0.0588	2.16 ± 0.22	0.207	104	0.19

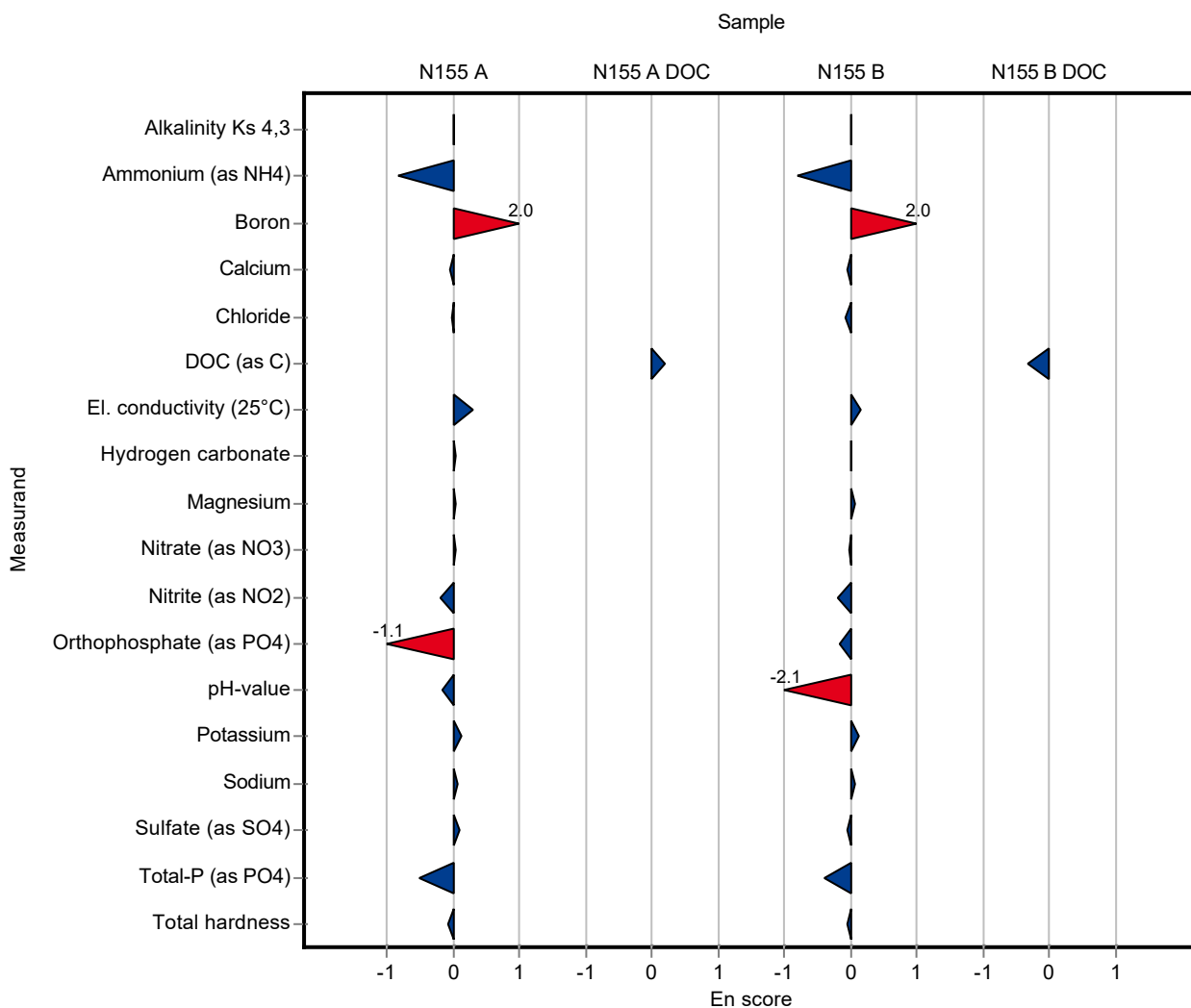
Sample: N155B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	3.11 ± 0.0171	3.11 ± 0.31	0.0622	100	0.00
Ammonium (as NH ₄)	mg/l	0.359 ± 0.00779	0.3084 ± 0.0308	0.0431	85.9	-0.82
Boron	mg/l	0.0189 ± 0.000778	18.8 ± 4.7	0.00208	99200	2.00
Calcium	mg/l	58.7 ± 0.681	57.6 ± 11.5	1.82	98.1	-0.05

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Chloride	mg/l	44.2 ± 0.341	43.6 ± 4.4	1.77	98.7	-0.07
El. conductivity (25°C)	µS/cm	517 ± 1.75	520 ± 10	6.72	101	0.15
Hydrogen carbonate	mg/l	189 ± 1.54	189.8 ± 19	3.78	100	0.02
Magnesium	mg/l	12.5 ± 0.185	12.9 ± 2.6	0.501	103	0.07
Nitrate (as NO ₃)	mg/l	20.1 ± 0.156	20 ± 2	1.01	99.4	-0.03
Nitrite (as NO ₂)	mg/l	0.24 ± 0.00384	0.2301 ± 0.023	0.0127	96	-0.21
Orthophosphate (as PO ₄)	mg/l	0.235 ± 0.00356	0.225 ± 0.03	0.0212	95.5	-0.17
pH-value	-	7.92 ± 0.0209	7.5 ± 0.1	0.158	94.7	-2.11
Potassium	mg/l	2.94 ± 0.0476	3.08 ± 0.62	0.153	105	0.11
Sodium	mg/l	25.6 ± 0.277	26.1 ± 3.9	0.87	102	0.07
Sulfate (as SO ₄)	mg/l	24.7 ± 0.31	24.4 ± 2.4	0.815	98.8	-0.06
Total-P (as PO ₄)	mg/l	1.1 ± 0.0151	1.016 ± 0.1	0.0824	92.5	-0.41
Total hardness	mmol/l	2 ± 0.0126	1.97 ± 0.2	0.0599	98.7	-0.07
Total nitrogen	mg/l	5.05 ± 0.0813	- ± -	0.42	-	-

Sample: N155BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	4.27 ± 0.0971	4 ± 0.4	0.427	93.8	-0.33



Sample: N155A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	7.28 ± 0.029	7.313 ± 0.731	0.146	100	0.20
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00275	0.086 ± 0.027	0.0102	101	0.06
Boron	mg/l	0.0534 ± 0.00214	0.0565 ± 0.0051	0.00588	106	0.52
Calcium	mg/l	155 ± 2	164 ± 27.9	4.82	106	1.80
Chloride	mg/l	85.1 ± 0.62	87.4 ± 8.74	3.4	103	0.69
El. conductivity (25°C)	µS/cm	1080 ± 4.42	1082 ± 22	14	100	0.21
Hydrogen carbonate	mg/l	442 ± 1.46	443 ± 44.3	8.84	100	0.11
Magnesium	mg/l	36.2 ± 0.459	38.2 ± 4.58	1.45	106	1.39
Nitrate (as NO ₃)	mg/l	10.7 ± 0.126	11.5 ± 2.07	0.537	107	1.42
Nitrite (as NO ₂)	mg/l	0.102 ± 0.00202	0.107 ± 0.015	0.00539	105	0.97
Orthophosphate (as PO ₄)	mg/l	0.0589 ± 0.00231	0.055 ± 0.007	0.0053	93.4	-0.73
pH-value	-	7.73 ± 0.027	- ± -	0.155	-	-
Potassium	mg/l	2.4 ± 0.0526	2.56 ± 0.256	0.125	107	1.31
Sodium	mg/l	21.5 ± 0.289	22.6 ± 2.03	0.73	105	1.53
Sulfate (as SO ₄)	mg/l	94.2 ± 1.02	96.5 ± 15.4	3.11	102	0.72
Total-P (as PO ₄)	mg/l	1.16 ± 0.0213	1.38 ± 0.373	0.0869	119	2.56
Total hardness	mmol/l	5.41 ± 0.0392	5.67 ± 1.19	0.162	105	1.60
Total nitrogen	mg/l	2.59 ± 0.0647	- ± -	0.215	-	-

Sample: N155ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.07 ± 0.0588	1.96 ± 0.216	0.207	94.5	-0.55

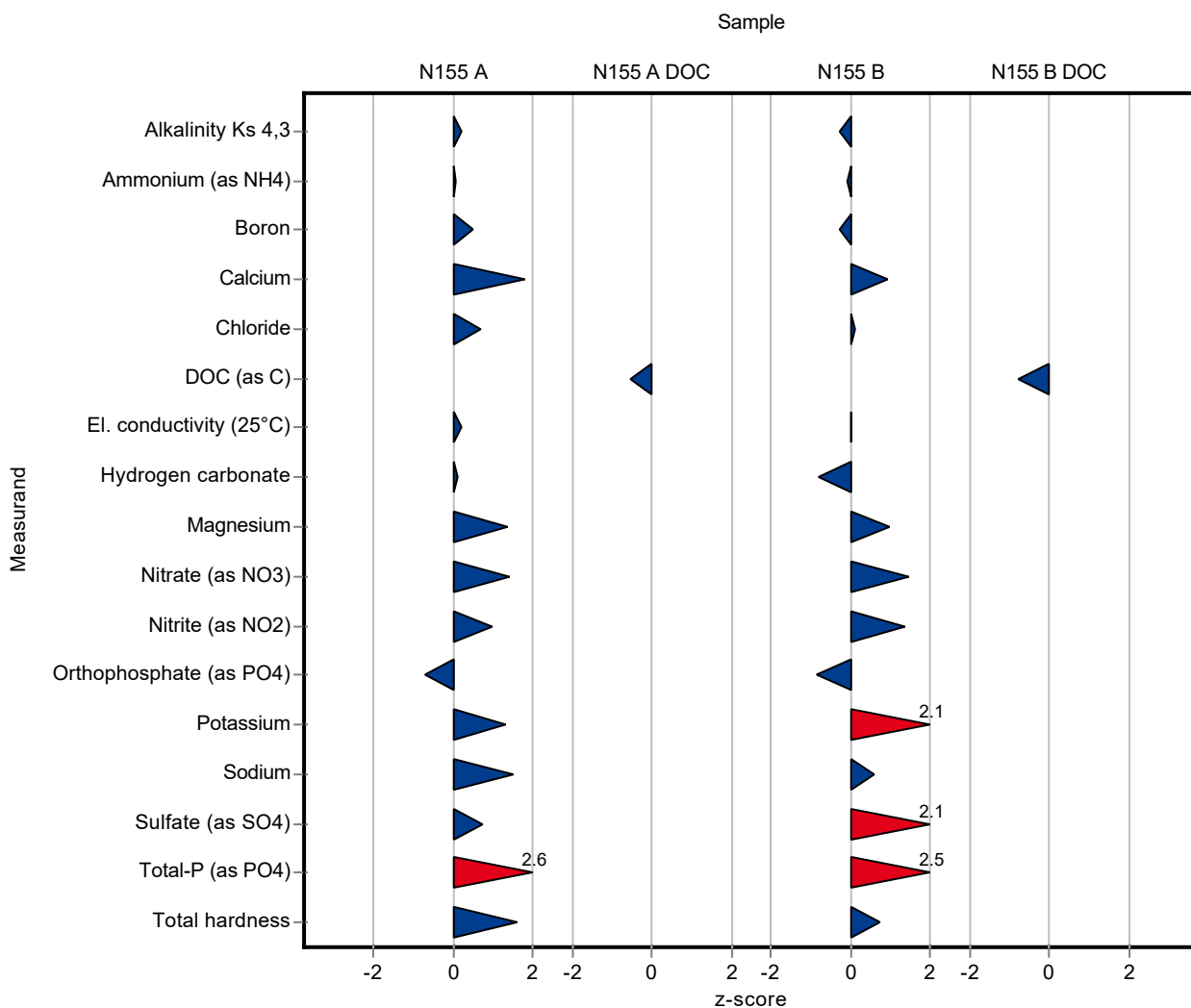
Sample: N155B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	3.11 ± 0.0171	3.093 ± 0.3093	0.0622	99.5	-0.26
Ammonium (as NH ₄)	mg/l	0.359 ± 0.00779	0.356 ± 0.0569	0.0431	99.1	-0.07
Boron	mg/l	0.0189 ± 0.000778	0.0184 ± 0.00167	0.00208	97.1	-0.26
Calcium	mg/l	58.7 ± 0.681	60.4 ± 10.3	1.82	103	0.91

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Chloride	mg/l	44.2 ± 0.341	44.4 ± 4.44	1.77	100	0.12
El. conductivity (25°C)	µS/cm	517 ± 1.75	517 ± 10	6.72	100	-0.01
Hydrogen carbonate	mg/l	189 ± 1.54	186 ± 18.6	3.78	98.4	-0.80
Magnesium	mg/l	12.5 ± 0.185	13 ± 1.56	0.501	104	0.95
Nitrate (as NO ₃)	mg/l	20.1 ± 0.156	21.6 ± 3.89	1.01	107	1.48
Nitrite (as NO ₂)	mg/l	0.24 ± 0.00384	0.257 ± 0.036	0.0127	107	1.35
Orthophosphate (as PO ₄)	mg/l	0.235 ± 0.00356	0.217 ± 0.0282	0.0212	92.1	-0.87
pH-value	-	7.92 ± 0.0209	- ± -	0.158	-	-
Potassium	mg/l	2.94 ± 0.0476	3.26 ± 0.326	0.153	111	2.09
Sodium	mg/l	25.6 ± 0.277	26.1 ± 2.35	0.87	102	0.60
Sulfate (as SO ₄)	mg/l	24.7 ± 0.31	26.4 ± 4.22	0.815	107	2.10
Total-P (as PO ₄)	mg/l	1.1 ± 0.0151	1.3 ± 0.351	0.0824	118	2.45
Total hardness	mmol/l	2 ± 0.0126	2.04 ± 0.428	0.0599	102	0.73
Total nitrogen	mg/l	5.05 ± 0.0813	- ± -	0.42	-	-

Sample: N155BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	4.27 ± 0.0971	3.92 ± 0.431	0.427	91.9	-0.81



Sample: N155A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	7.28 ± 0.029	7.313 ± 0.731	0.146	100	0.02
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00275	0.086 ± 0.027	0.0102	101	0.01
Boron	mg/l	0.0534 ± 0.00214	0.0565 ± 0.0051	0.00588	106	0.29
Calcium	mg/l	155 ± 2	164 ± 27.9	4.82	106	0.15
Chloride	mg/l	85.1 ± 0.62	87.4 ± 8.74	3.4	103	0.13
El. conductivity (25°C)	µS/cm	1080 ± 4.42	1082 ± 22	14	100	0.07
Hydrogen carbonate	mg/l	442 ± 1.46	443 ± 44.3	8.84	100	0.01
Magnesium	mg/l	36.2 ± 0.459	38.2 ± 4.58	1.45	106	0.22
Nitrate (as NO ₃)	mg/l	10.7 ± 0.126	11.5 ± 2.07	0.537	107	0.18
Nitrite (as NO ₂)	mg/l	0.102 ± 0.00202	0.107 ± 0.015	0.00539	105	0.17
Orthophosphate (as PO ₄)	mg/l	0.0589 ± 0.00231	0.055 ± 0.007	0.0053	93.4	-0.27
pH-value	-	7.73 ± 0.027	- ± -	0.155	-	-
Potassium	mg/l	2.4 ± 0.0526	2.56 ± 0.256	0.125	107	0.32
Sodium	mg/l	21.5 ± 0.289	22.6 ± 2.03	0.73	105	0.28
Sulfate (as SO ₄)	mg/l	94.2 ± 1.02	96.5 ± 15.4	3.11	102	0.07
Total-P (as PO ₄)	mg/l	1.16 ± 0.0213	1.38 ± 0.373	0.0869	119	0.30
Total hardness	mmol/l	5.41 ± 0.0392	5.67 ± 1.19	0.162	105	0.11
Total nitrogen	mg/l	2.59 ± 0.0647	- ± -	0.215	-	-

Sample: N155ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	2.07 ± 0.0588	1.96 ± 0.216	0.207	94.5	-0.26

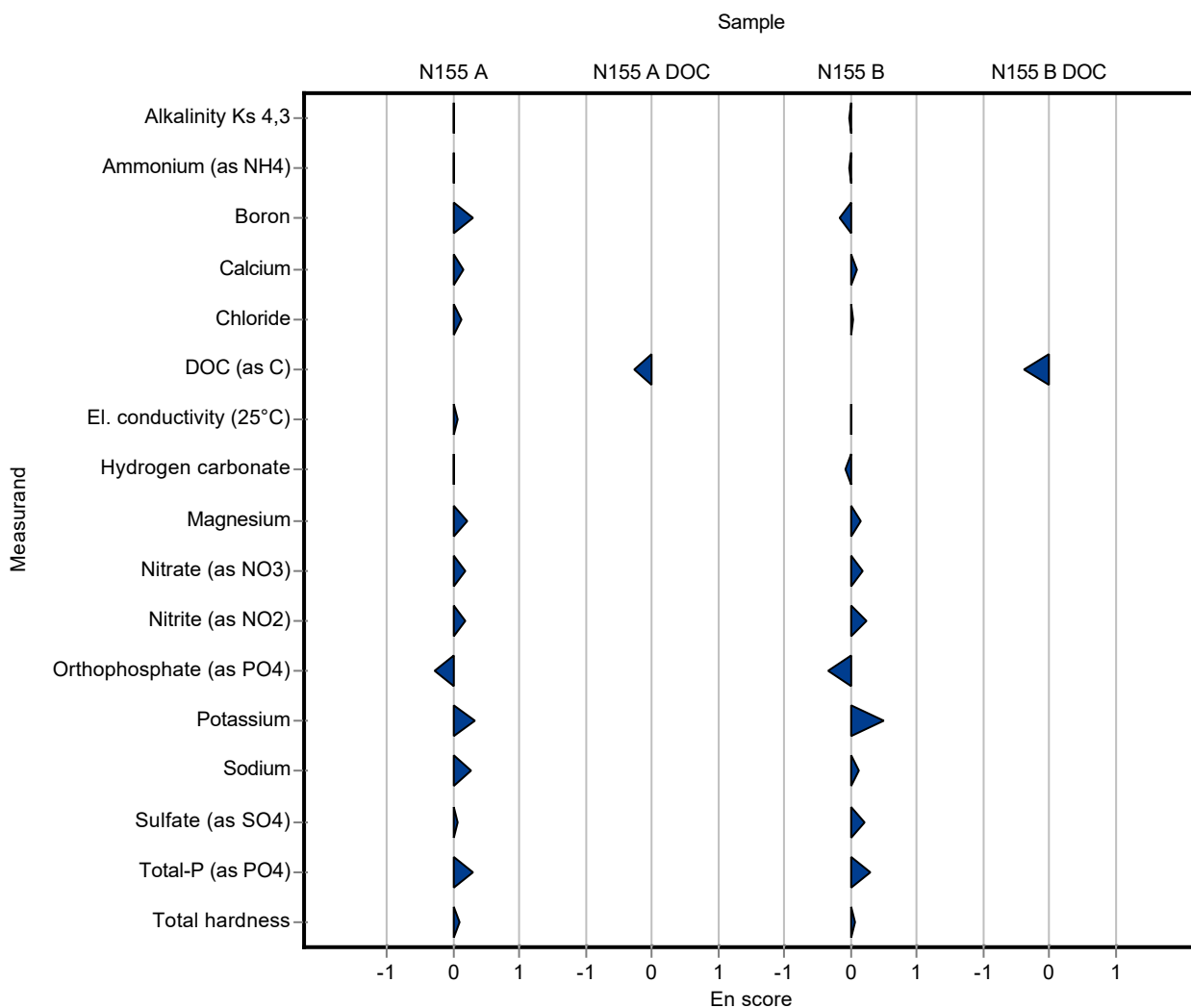
Sample: N155B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	3.11 ± 0.0171	3.093 ± 0.3093	0.0622	99.5	-0.03
Ammonium (as NH ₄)	mg/l	0.359 ± 0.00779	0.356 ± 0.0569	0.0431	99.1	-0.03
Boron	mg/l	0.0189 ± 0.000778	0.0184 ± 0.00167	0.00208	97.1	-0.16
Calcium	mg/l	58.7 ± 0.681	60.4 ± 10.3	1.82	103	0.08

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Chloride	mg/l	44.2 ± 0.341	44.4 ± 4.44	1.77	100	0.02
El. conductivity (25°C)	µS/cm	517 ± 1.75	517 ± 10	6.72	100	0.00
Hydrogen carbonate	mg/l	189 ± 1.54	186 ± 18.6	3.78	98.4	-0.08
Magnesium	mg/l	12.5 ± 0.185	13 ± 1.56	0.501	104	0.15
Nitrate (as NO ₃)	mg/l	20.1 ± 0.156	21.6 ± 3.89	1.01	107	0.19
Nitrite (as NO ₂)	mg/l	0.24 ± 0.00384	0.257 ± 0.036	0.0127	107	0.24
Orthophosphate (as PO ₄)	mg/l	0.235 ± 0.00356	0.217 ± 0.0282	0.0212	92.1	-0.33
pH-value	-	7.92 ± 0.0209	- ± -	0.158	-	-
Potassium	mg/l	2.94 ± 0.0476	3.26 ± 0.326	0.153	111	0.49
Sodium	mg/l	25.6 ± 0.277	26.1 ± 2.35	0.87	102	0.11
Sulfate (as SO ₄)	mg/l	24.7 ± 0.31	26.4 ± 4.22	0.815	107	0.20
Total-P (as PO ₄)	mg/l	1.1 ± 0.0151	1.3 ± 0.351	0.0824	118	0.29
Total hardness	mmol/l	2 ± 0.0126	2.04 ± 0.428	0.0599	102	0.05
Total nitrogen	mg/l	5.05 ± 0.0813	- ± -	0.42	-	-

Sample: N155BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	4.27 ± 0.0971	3.92 ± 0.431	0.427	91.9	-0.40



Sample: N155A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	7.28 ± 0.029	- ± -	0.146	-	-
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00275	0.086 ± 0.001	0.0102	101	0.06
Boron	mg/l	0.0534 ± 0.00214	0.05 ± 0.005	0.00588	93.6	-0.59
Calcium	mg/l	155 ± 2	152 ± 2	4.82	97.9	-0.69
Chloride	mg/l	85.1 ± 0.62	84.4 ± 0.3	3.4	99.2	-0.19
El. conductivity (25°C)	µS/cm	1080 ± 4.42	1070 ± 7	14	99.2	-0.65
Hydrogen carbonate	mg/l	442 ± 1.46	411.1 ± 1.2	8.84	93	-3.50
Magnesium	mg/l	36.2 ± 0.459	41.5 ± 0.5	1.45	115	3.67
Nitrate (as NO ₃)	mg/l	10.7 ± 0.126	10.7 ± 0.1	0.537	99.6	-0.07
Nitrite (as NO ₂)	mg/l	0.102 ± 0.00202	0.095 ± 0.008	0.00539	93.3	-1.26
Orthophosphate (as PO ₄)	mg/l	0.0589 ± 0.00231	<0.15 (LOQ) ± -	0.0053	-	-
pH-value	-	7.73 ± 0.027	7.78 ± 0.05	0.155	101	0.30
Potassium	mg/l	2.4 ± 0.0526	2.63 ± 0.04	0.125	110	1.87
Sodium	mg/l	21.5 ± 0.289	21.6 ± 0.4	0.73	101	0.16
Sulfate (as SO ₄)	mg/l	94.2 ± 1.02	97.3 ± 0.5	3.11	103	0.98
Total-P (as PO ₄)	mg/l	1.16 ± 0.0213	47.72 ± 1.42	0.0869	4120	536.00
Total hardness	mmol/l	5.41 ± 0.0392	6.2 ± 0.7	0.162	115	4.86
Total nitrogen	mg/l	2.59 ± 0.0647	2.34 ± 0.3	0.215	90.5	-1.14

Sample: N155ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.07 ± 0.0588	2.12 ± 0.05	0.207	102	0.22

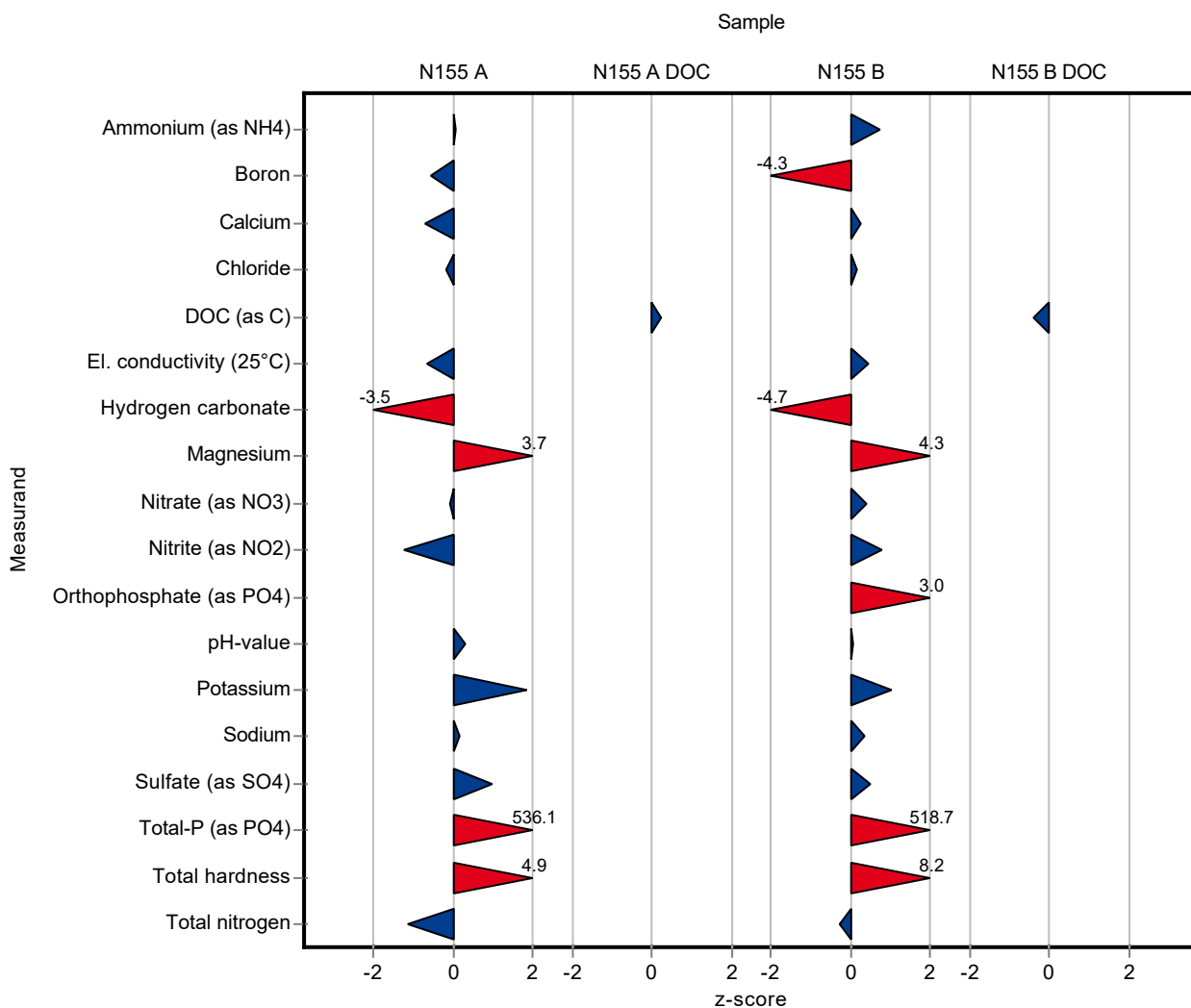
Sample: N155B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	3.11 ± 0.0171	- ± -	0.0622	-	-
Ammonium (as NH ₄)	mg/l	0.359 ± 0.00779	0.39 ± 0.01	0.0431	109	0.71
Boron	mg/l	0.0189 ± 0.000778	0.01 ± 0.01	0.00208	52.8	-4.29
Calcium	mg/l	58.7 ± 0.681	59.2 ± 0.4	1.82	101	0.25

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Chloride	mg/l	44.2 ± 0.341	44.5 ± 0.2	1.77	101	0.18
El. conductivity (25°C)	µS/cm	517 ± 1.75	520 ± 3	6.72	101	0.43
Hydrogen carbonate	mg/l	189 ± 1.54	171.3 ± 0.8	3.78	90.6	-4.69
Magnesium	mg/l	12.5 ± 0.185	14.7 ± 0.4	0.501	117	4.35
Nitrate (as NO ₃)	mg/l	20.1 ± 0.156	20.5 ± 0.1	1.01	102	0.38
Nitrite (as NO ₂)	mg/l	0.24 ± 0.00384	0.25 ± 0.02	0.0127	104	0.80
Orthophosphate (as PO ₄)	mg/l	0.235 ± 0.00356	0.3 ± 0.01	0.0212	127	3.04
pH-value	-	7.92 ± 0.0209	7.93 ± 0.02	0.158	100	0.04
Potassium	mg/l	2.94 ± 0.0476	3.1 ± 0.1	0.153	105	1.04
Sodium	mg/l	25.6 ± 0.277	25.9 ± 1.3	0.87	101	0.37
Sulfate (as SO ₄)	mg/l	24.7 ± 0.31	25.1 ± 0.15	0.815	102	0.51
Total-P (as PO ₄)	mg/l	1.1 ± 0.0151	43.81 ± 0.4	0.0824	3990	519.00
Total hardness	mmol/l	2 ± 0.0126	2.49 ± 0.5	0.0599	125	8.24
Total nitrogen	mg/l	5.05 ± 0.0813	4.93 ± 0.4	0.42	97.5	-0.30

Sample: N155BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	4.27 ± 0.0971	4.1 ± 0.1	0.427	96.1	-0.39



Sample: N155A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	7.28 ± 0.029	- ± -	0.146	-	-
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00275	0.086 ± 0.001	0.0102	101	0.19
Boron	mg/l	0.0534 ± 0.00214	0.05 ± 0.005	0.00588	93.6	-0.34
Calcium	mg/l	155 ± 2	152 ± 2	4.82	97.9	-0.74
Chloride	mg/l	85.1 ± 0.62	84.4 ± 0.3	3.4	99.2	-0.75
El. conductivity (25°C)	µS/cm	1080 ± 4.42	1070 ± 7	14	99.2	-0.62
Hydrogen carbonate	mg/l	442 ± 1.46	411.1 ± 1.2	8.84	93	-11.00
Magnesium	mg/l	36.2 ± 0.459	41.5 ± 0.5	1.45	115	4.83
Nitrate (as NO ₃)	mg/l	10.7 ± 0.126	10.7 ± 0.1	0.537	99.6	-0.17
Nitrite (as NO ₂)	mg/l	0.102 ± 0.00202	0.095 ± 0.008	0.00539	93.3	-0.42
Orthophosphate (as PO ₄)	mg/l	0.0589 ± 0.00231	<0.15 (LOQ) ± -	0.0053	-	-
pH-value	-	7.73 ± 0.027	7.78 ± 0.05	0.155	101	0.46
Potassium	mg/l	2.4 ± 0.0526	2.63 ± 0.04	0.125	110	2.43
Sodium	mg/l	21.5 ± 0.289	21.6 ± 0.4	0.73	101	0.14
Sulfate (as SO ₄)	mg/l	94.2 ± 1.02	97.3 ± 0.5	3.11	103	2.14
Total-P (as PO ₄)	mg/l	1.16 ± 0.0213	47.72 ± 1.42	0.0869	4120	16.40
Total hardness	mmol/l	5.41 ± 0.0392	6.2 ± 0.7	0.162	115	0.56
Total nitrogen	mg/l	2.59 ± 0.0647	2.34 ± 0.3	0.215	90.5	-0.41

Sample: N155ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	2.07 ± 0.0588	2.12 ± 0.05	0.207	102	0.40

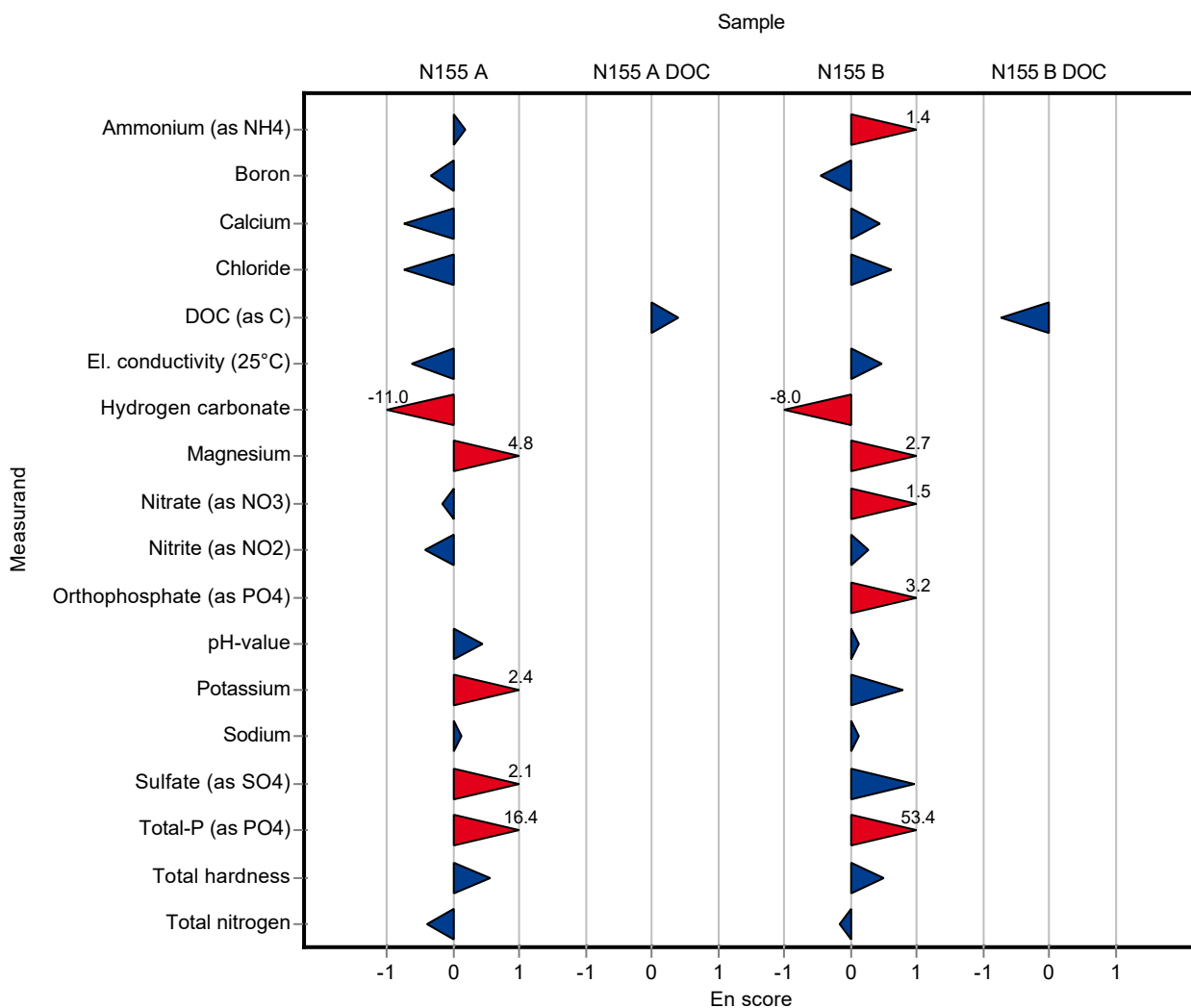
Sample: N155B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	3.11 ± 0.0171	- ± -	0.0622	-	-
Ammonium (as NH ₄)	mg/l	0.359 ± 0.00779	0.39 ± 0.01	0.0431	109	1.44
Boron	mg/l	0.0189 ± 0.000778	0.01 ± 0.01	0.00208	52.8	-0.45
Calcium	mg/l	58.7 ± 0.681	59.2 ± 0.4	1.82	101	0.44

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Chloride	mg/l	44.2 ± 0.341	44.5 ± 0.2	1.77	101	0.60
El. conductivity (25°C)	µS/cm	517 ± 1.75	520 ± 3	6.72	101	0.47
Hydrogen carbonate	mg/l	189 ± 1.54	171.3 ± 0.8	3.78	90.6	-7.99
Magnesium	mg/l	12.5 ± 0.185	14.7 ± 0.4	0.501	117	2.65
Nitrate (as NO ₃)	mg/l	20.1 ± 0.156	20.5 ± 0.1	1.01	102	1.52
Nitrite (as NO ₂)	mg/l	0.24 ± 0.00384	0.25 ± 0.02	0.0127	104	0.25
Orthophosphate (as PO ₄)	mg/l	0.235 ± 0.00356	0.3 ± 0.01	0.0212	127	3.18
pH-value	-	7.92 ± 0.0209	7.93 ± 0.02	0.158	100	0.14
Potassium	mg/l	2.94 ± 0.0476	3.1 ± 0.1	0.153	105	0.78
Sodium	mg/l	25.6 ± 0.277	25.9 ± 1.3	0.87	101	0.12
Sulfate (as SO ₄)	mg/l	24.7 ± 0.31	25.1 ± 0.15	0.815	102	0.96
Total-P (as PO ₄)	mg/l	1.1 ± 0.0151	43.81 ± 0.4	0.0824	3990	53.40
Total hardness	mmol/l	2 ± 0.0126	2.49 ± 0.5	0.0599	125	0.49
Total nitrogen	mg/l	5.05 ± 0.0813	4.93 ± 0.4	0.42	97.5	-0.15

Sample: N155BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	4.27 ± 0.0971	4.1 ± 0.1	0.427	96.1	-0.75



Sample: N155A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	7.28 ± 0.029	7.2 ± 0.48	0.146	98.9	-0.57
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00275	0.09 ± 0.015	0.0102	105	0.45
Boron	mg/l	0.0534 ± 0.00214	0.0537 ± 0.0064	0.00588	100	0.04
Calcium	mg/l	155 ± 2	155 ± 7.2	4.82	99.8	-0.07
Chloride	mg/l	85.1 ± 0.62	81.5 ± 6.3	3.4	95.8	-1.04
El. conductivity (25°C)	µS/cm	1080 ± 4.42	1071 ± 43	14	99.3	-0.57
Hydrogen carbonate	mg/l	442 ± 1.46	436.2 ± 29.1	8.84	98.7	-0.66
Magnesium	mg/l	36.2 ± 0.459	35.1 ± 2.2	1.45	97	-0.75
Nitrate (as NO ₃)	mg/l	10.7 ± 0.126	10.6 ± 0.7	0.537	98.7	-0.26
Nitrite (as NO ₂)	mg/l	0.102 ± 0.00202	0.099 ± 0.009	0.00539	97.3	-0.51
Orthophosphate (as PO ₄)	mg/l	0.0589 ± 0.00231	0.064 ± 0.009	0.0053	109	0.97
pH-value	-	7.73 ± 0.027	7.79 ± 0.15	0.155	101	0.37
Potassium	mg/l	2.4 ± 0.0526	2.34 ± 0.13	0.125	97.6	-0.46
Sodium	mg/l	21.5 ± 0.289	20.3 ± 1.1	0.73	94.5	-1.62
Sulfate (as SO ₄)	mg/l	94.2 ± 1.02	95 ± 8.9	3.11	101	0.24
Total-P (as PO ₄)	mg/l	1.16 ± 0.0213	1.14 ± 0.16	0.0869	98.4	-0.21
Total hardness	mmol/l	5.41 ± 0.0392	5.31 ± 0.27	0.162	98.1	-0.62
Total nitrogen	mg/l	2.59 ± 0.0647	2.52 ± 0.37	0.215	97.5	-0.31

Sample: N155ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.07 ± 0.0588	2.18 ± 0.5	0.207	105	0.51

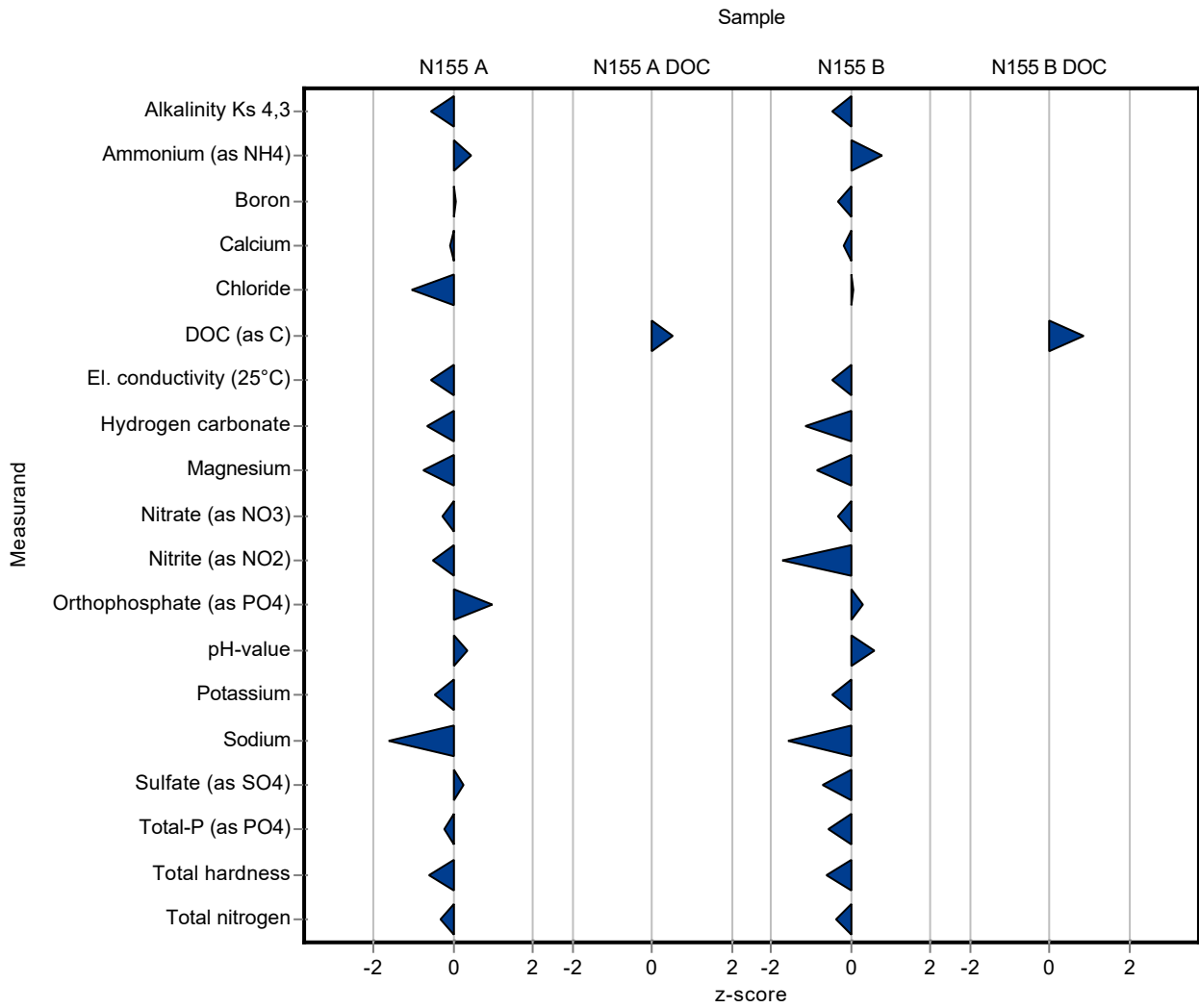
Sample: N155B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	3.11 ± 0.0171	3.08 ± 0.22	0.0622	99.1	-0.47
Ammonium (as NH ₄)	mg/l	0.359 ± 0.00779	0.392 ± 0.055	0.0431	109	0.76
Boron	mg/l	0.0189 ± 0.000778	0.0183 ± 0.0022	0.00208	96.6	-0.31
Calcium	mg/l	58.7 ± 0.681	58.4 ± 2.8	1.82	99.4	-0.19

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Chloride	mg/l	44.2 ± 0.341	44.3 ± 3.5	1.77	100	0.07
El. conductivity (25°C)	µS/cm	517 ± 1.75	514 ± 20	6.72	99.4	-0.46
Hydrogen carbonate	mg/l	189 ± 1.54	184.7 ± 13.4	3.78	97.7	-1.15
Magnesium	mg/l	12.5 ± 0.185	12.1 ± 0.79	0.501	96.6	-0.84
Nitrate (as NO ₃)	mg/l	20.1 ± 0.156	19.8 ± 1.2	1.01	98.4	-0.31
Nitrite (as NO ₂)	mg/l	0.24 ± 0.00384	0.218 ± 0.017	0.0127	90.9	-1.72
Orthophosphate (as PO ₄)	mg/l	0.235 ± 0.00356	0.242 ± 0.032	0.0212	103	0.31
pH-value	-	7.92 ± 0.0209	8.02 ± 0.15	0.158	101	0.61
Potassium	mg/l	2.94 ± 0.0476	2.87 ± 0.15	0.153	97.6	-0.46
Sodium	mg/l	25.6 ± 0.277	24.2 ± 1.2	0.87	94.6	-1.58
Sulfate (as SO ₄)	mg/l	24.7 ± 0.31	24.1 ± 2.4	0.815	97.6	-0.72
Total-P (as PO ₄)	mg/l	1.1 ± 0.0151	1.05 ± 0.15	0.0824	95.6	-0.58
Total hardness	mmol/l	2 ± 0.0126	1.96 ± 0.1	0.0599	98.2	-0.61
Total nitrogen	mg/l	5.05 ± 0.0813	4.9 ± 0.6	0.42	96.9	-0.37

Sample: N155BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	4.27 ± 0.0971	4.63 ± 0.89	0.427	109	0.85



Sample: N155A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	7.28 ± 0.029	7.2 ± 0.48	0.146	98.9	-0.09
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00275	0.09 ± 0.015	0.0102	105	0.15
Boron	mg/l	0.0534 ± 0.00214	0.0537 ± 0.0064	0.00588	100	0.02
Calcium	mg/l	155 ± 2	155 ± 7.2	4.82	99.8	-0.02
Chloride	mg/l	85.1 ± 0.62	81.5 ± 6.3	3.4	95.8	-0.28
El. conductivity (25°C)	µS/cm	1080 ± 4.42	1071 ± 43	14	99.3	-0.09
Hydrogen carbonate	mg/l	442 ± 1.46	436.2 ± 29.1	8.84	98.7	-0.10
Magnesium	mg/l	36.2 ± 0.459	35.1 ± 2.2	1.45	97	-0.25
Nitrate (as NO ₃)	mg/l	10.7 ± 0.126	10.6 ± 0.7	0.537	98.7	-0.10
Nitrite (as NO ₂)	mg/l	0.102 ± 0.00202	0.099 ± 0.009	0.00539	97.3	-0.15
Orthophosphate (as PO ₄)	mg/l	0.0589 ± 0.00231	0.064 ± 0.009	0.0053	109	0.28
pH-value	-	7.73 ± 0.027	7.79 ± 0.15	0.155	101	0.19
Potassium	mg/l	2.4 ± 0.0526	2.34 ± 0.13	0.125	97.6	-0.22
Sodium	mg/l	21.5 ± 0.289	20.3 ± 1.1	0.73	94.5	-0.53
Sulfate (as SO ₄)	mg/l	94.2 ± 1.02	95 ± 8.9	3.11	101	0.04
Total-P (as PO ₄)	mg/l	1.16 ± 0.0213	1.14 ± 0.16	0.0869	98.4	-0.06
Total hardness	mmol/l	5.41 ± 0.0392	5.31 ± 0.27	0.162	98.1	-0.19
Total nitrogen	mg/l	2.59 ± 0.0647	2.52 ± 0.37	0.215	97.5	-0.09

Sample: N155ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	2.07 ± 0.0588	2.18 ± 0.5	0.207	105	0.11

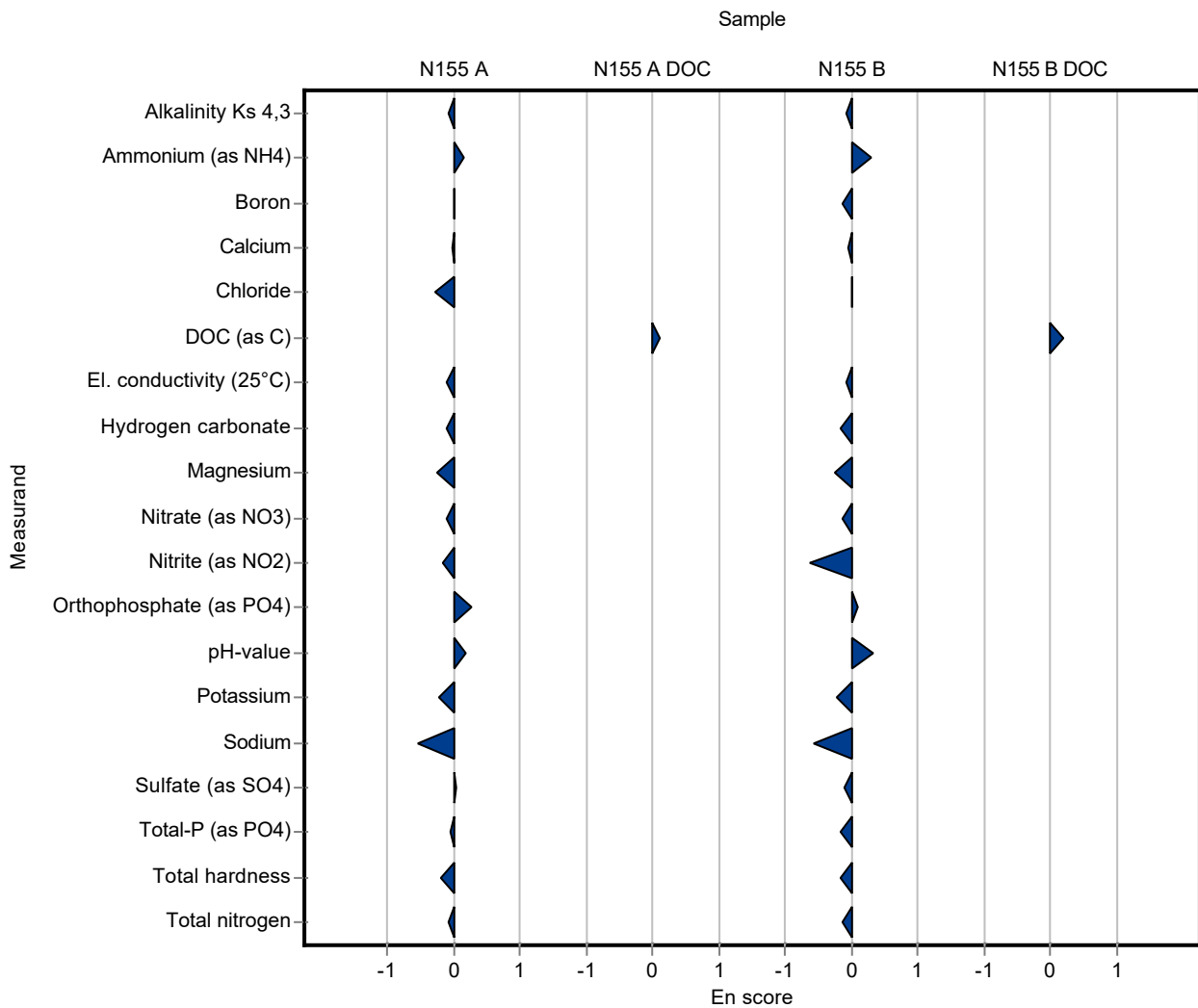
Sample: N155B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	3.11 ± 0.0171	3.08 ± 0.22	0.0622	99.1	-0.07
Ammonium (as NH ₄)	mg/l	0.359 ± 0.00779	0.392 ± 0.055	0.0431	109	0.30
Boron	mg/l	0.0189 ± 0.000778	0.0183 ± 0.0022	0.00208	96.6	-0.14
Calcium	mg/l	58.7 ± 0.681	58.4 ± 2.8	1.82	99.4	-0.06

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Chloride	mg/l	44.2 ± 0.341	44.3 ± 3.5	1.77	100	0.02
El. conductivity (25°C)	µS/cm	517 ± 1.75	514 ± 20	6.72	99.4	-0.08
Hydrogen carbonate	mg/l	189 ± 1.54	184.7 ± 13.4	3.78	97.7	-0.16
Magnesium	mg/l	12.5 ± 0.185	12.1 ± 0.79	0.501	96.6	-0.27
Nitrate (as NO ₃)	mg/l	20.1 ± 0.156	19.8 ± 1.2	1.01	98.4	-0.13
Nitrite (as NO ₂)	mg/l	0.24 ± 0.00384	0.218 ± 0.017	0.0127	90.9	-0.64
Orthophosphate (as PO ₄)	mg/l	0.235 ± 0.00356	0.242 ± 0.032	0.0212	103	0.10
pH-value	-	7.92 ± 0.0209	8.02 ± 0.15	0.158	101	0.32
Potassium	mg/l	2.94 ± 0.0476	2.87 ± 0.15	0.153	97.6	-0.23
Sodium	mg/l	25.6 ± 0.277	24.2 ± 1.2	0.87	94.6	-0.57
Sulfate (as SO ₄)	mg/l	24.7 ± 0.31	24.1 ± 2.4	0.815	97.6	-0.12
Total-P (as PO ₄)	mg/l	1.1 ± 0.0151	1.05 ± 0.15	0.0824	95.6	-0.16
Total hardness	mmol/l	2 ± 0.0126	1.96 ± 0.1	0.0599	98.2	-0.18
Total nitrogen	mg/l	5.05 ± 0.0813	4.9 ± 0.6	0.42	96.9	-0.13

Sample: N155BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	4.27 ± 0.0971	4.63 ± 0.89	0.427	109	0.20



Sample: N155A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	7.28 ± 0.029	7.5 ± 0.08	0.146	103	1.49
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00275	- ± -	0.0102	-	-
Boron	mg/l	0.0534 ± 0.00214	- ± -	0.00588	-	-
Calcium	mg/l	155 ± 2	- ± -	4.82	-	-
Chloride	mg/l	85.1 ± 0.62	- ± -	3.4	-	-
El. conductivity (25°C)	µS/cm	1080 ± 4.42	1090 ± 20	14	101	0.78
Hydrogen carbonate	mg/l	442 ± 1.46	457.63 ± 4.6	8.84	104	1.77
Magnesium	mg/l	36.2 ± 0.459	- ± -	1.45	-	-
Nitrate (as NO ₃)	mg/l	10.7 ± 0.126	- ± -	0.537	-	-
Nitrite (as NO ₂)	mg/l	0.102 ± 0.00202	- ± -	0.00539	-	-
Orthophosphate (as PO ₄)	mg/l	0.0589 ± 0.00231	0.049 ± 0.001	0.0053	83.2	-1.86
pH-value	-	7.73 ± 0.027	7.8 ± 0.05	0.155	101	0.43
Potassium	mg/l	2.4 ± 0.0526	- ± -	0.125	-	-
Sodium	mg/l	21.5 ± 0.289	- ± -	0.73	-	-
Sulfate (as SO ₄)	mg/l	94.2 ± 1.02	- ± -	3.11	-	-
Total-P (as PO ₄)	mg/l	1.16 ± 0.0213	1.166 ± 0.023	0.0869	101	0.09
Total hardness	mmol/l	5.41 ± 0.0392	- ± -	0.162	-	-
Total nitrogen	mg/l	2.59 ± 0.0647	- ± -	0.215	-	-

Sample: N155ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.07 ± 0.0588	- ± -	0.207	-	-

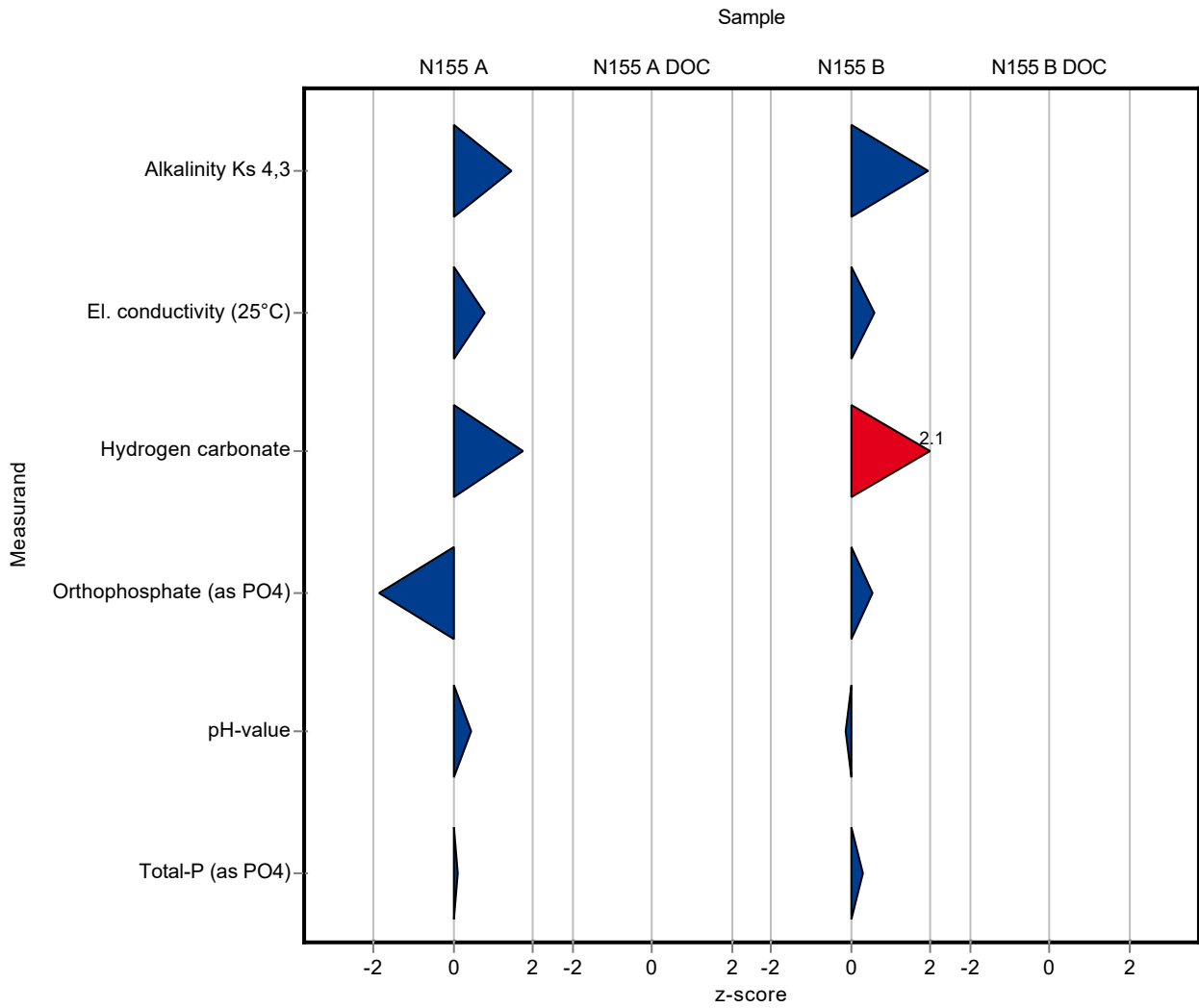
Sample: N155B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	3.11 ± 0.0171	3.23 ± 0.03	0.0622	104	1.94
Ammonium (as NH ₄)	mg/l	0.359 ± 0.00779	- ± -	0.0431	-	-
Boron	mg/l	0.0189 ± 0.000778	- ± -	0.00208	-	-
Calcium	mg/l	58.7 ± 0.681	- ± -	1.82	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Chloride	mg/l	44.2 ± 0.341	- ± -	1.77	-	-
El. conductivity (25°C)	µS/cm	517 ± 1.75	521 ± 9	6.72	101	0.58
Hydrogen carbonate	mg/l	189 ± 1.54	197.03 ± 2	3.78	104	2.12
Magnesium	mg/l	12.5 ± 0.185	- ± -	0.501	-	-
Nitrate (as NO ₃)	mg/l	20.1 ± 0.156	- ± -	1.01	-	-
Nitrite (as NO ₂)	mg/l	0.24 ± 0.00384	- ± -	0.0127	-	-
Orthophosphate (as PO ₄)	mg/l	0.235 ± 0.00356	0.247 ± 0.005	0.0212	105	0.54
pH-value	-	7.92 ± 0.0209	7.9 ± 0.05	0.158	99.7	-0.15
Potassium	mg/l	2.94 ± 0.0476	- ± -	0.153	-	-
Sodium	mg/l	25.6 ± 0.277	- ± -	0.87	-	-
Sulfate (as SO ₄)	mg/l	24.7 ± 0.31	- ± -	0.815	-	-
Total-P (as PO ₄)	mg/l	1.1 ± 0.0151	1.123 ± 0.022	0.0824	102	0.30
Total hardness	mmol/l	2 ± 0.0126	- ± -	0.0599	-	-
Total nitrogen	mg/l	5.05 ± 0.0813	- ± -	0.42	-	-

Sample: N155BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	4.27 ± 0.0971	- ± -	0.427	-	-



Sample: N155A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	7.28 ± 0.029	7.5 ± 0.08	0.146	103	1.33
Ammonium (as NH4)	mg/l	0.0854 ± 0.00275	- ± -	0.0102	-	-
Boron	mg/l	0.0534 ± 0.00214	- ± -	0.00588	-	-
Calcium	mg/l	155 ± 2	- ± -	4.82	-	-
Chloride	mg/l	85.1 ± 0.62	- ± -	3.4	-	-
El. conductivity (25°C)	µS/cm	1080 ± 4.42	1090 ± 20	14	101	0.27
Hydrogen carbonate	mg/l	442 ± 1.46	457.63 ± 4.6	8.84	104	1.68
Magnesium	mg/l	36.2 ± 0.459	- ± -	1.45	-	-
Nitrate (as NO3)	mg/l	10.7 ± 0.126	- ± -	0.537	-	-
Nitrite (as NO2)	mg/l	0.102 ± 0.00202	- ± -	0.00539	-	-
Orthophosphate (as PO4)	mg/l	0.0589 ± 0.00231	0.049 ± 0.001	0.0053	83.2	-3.23
pH-value	-	7.73 ± 0.027	7.8 ± 0.05	0.155	101	0.65
Potassium	mg/l	2.4 ± 0.0526	- ± -	0.125	-	-
Sodium	mg/l	21.5 ± 0.289	- ± -	0.73	-	-
Sulfate (as SO4)	mg/l	94.2 ± 1.02	- ± -	3.11	-	-
Total-P (as PO4)	mg/l	1.16 ± 0.0213	1.166 ± 0.023	0.0869	101	0.16
Total hardness	mmol/l	5.41 ± 0.0392	- ± -	0.162	-	-
Total nitrogen	mg/l	2.59 ± 0.0647	- ± -	0.215	-	-

Sample: N155ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	2.07 ± 0.0588	- ± -	0.207	-	-

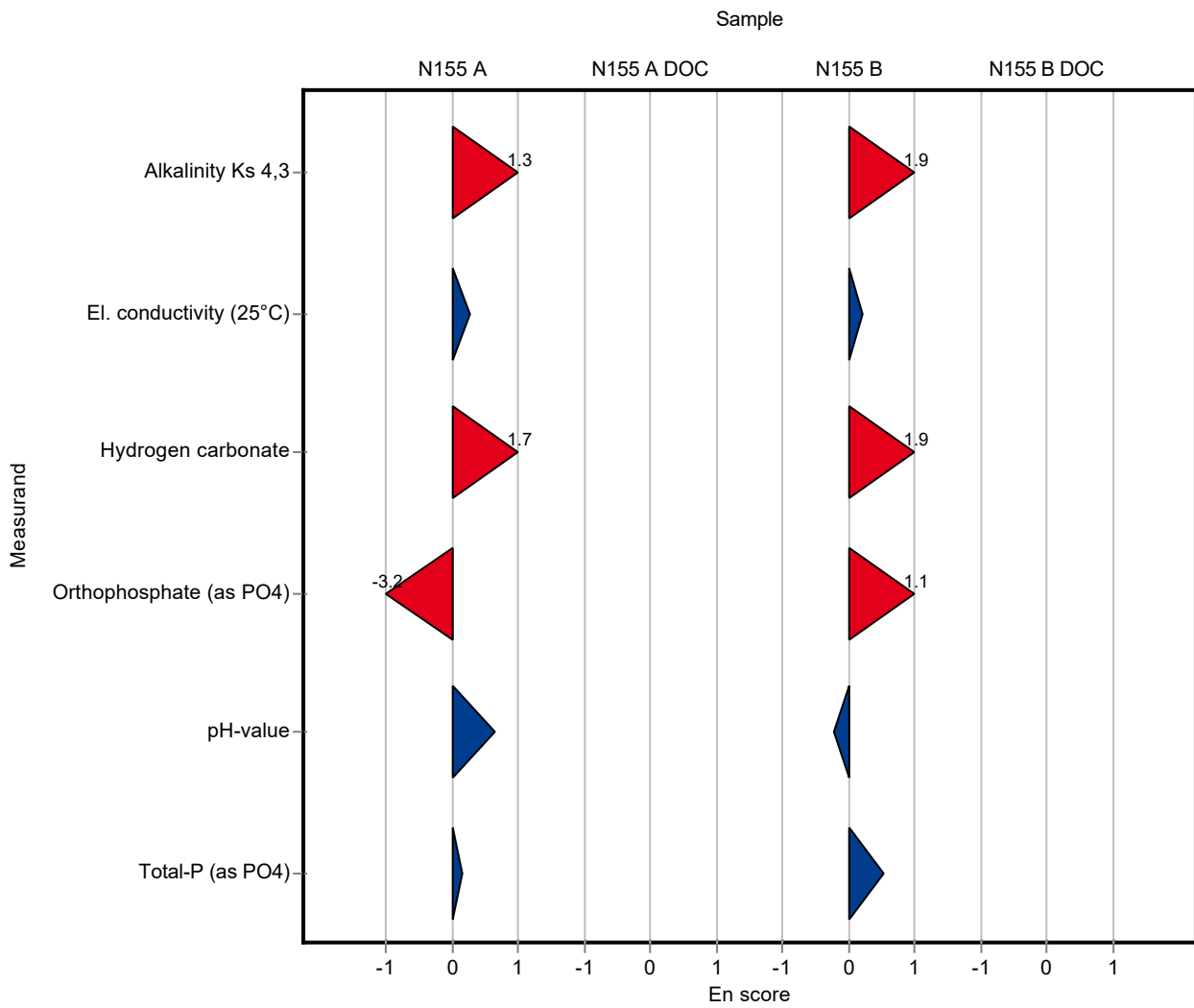
Sample: N155B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	3.11 ± 0.0171	3.23 ± 0.03	0.0622	104	1.93
Ammonium (as NH4)	mg/l	0.359 ± 0.00779	- ± -	0.0431	-	-
Boron	mg/l	0.0189 ± 0.000778	- ± -	0.00208	-	-
Calcium	mg/l	58.7 ± 0.681	- ± -	1.82	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Chloride	mg/l	44.2 ± 0.341	- ± -	1.77	-	-
El. conductivity (25°C)	µS/cm	517 ± 1.75	521 ± 9	6.72	101	0.22
Hydrogen carbonate	mg/l	189 ± 1.54	197.03 ± 2	3.78	104	1.87
Magnesium	mg/l	12.5 ± 0.185	- ± -	0.501	-	-
Nitrate (as NO ₃)	mg/l	20.1 ± 0.156	- ± -	1.01	-	-
Nitrite (as NO ₂)	mg/l	0.24 ± 0.00384	- ± -	0.0127	-	-
Orthophosphate (as PO ₄)	mg/l	0.235 ± 0.00356	0.247 ± 0.005	0.0212	105	1.08
pH-value	-	7.92 ± 0.0209	7.9 ± 0.05	0.158	99.7	-0.23
Potassium	mg/l	2.94 ± 0.0476	- ± -	0.153	-	-
Sodium	mg/l	25.6 ± 0.277	- ± -	0.87	-	-
Sulfate (as SO ₄)	mg/l	24.7 ± 0.31	- ± -	0.815	-	-
Total-P (as PO ₄)	mg/l	1.1 ± 0.0151	1.123 ± 0.022	0.0824	102	0.54
Total hardness	mmol/l	2 ± 0.0126	- ± -	0.0599	-	-
Total nitrogen	mg/l	5.05 ± 0.0813	- ± -	0.42	-	-

Sample: N155BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	4.27 ± 0.0971	- ± -	0.427	-	-



Sample: N155A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	7.28 ± 0.029	7.31 ± 0.01	0.146	100	0.18
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00275	- ± -	0.0102	-	-
Boron	mg/l	0.0534 ± 0.00214	- ± -	0.00588	-	-
Calcium	mg/l	155 ± 2	- ± -	4.82	-	-
Chloride	mg/l	85.1 ± 0.62	- ± -	3.4	-	-
El. conductivity (25°C)	µS/cm	1080 ± 4.42	1080 ± 20.4	14	100	0.07
Hydrogen carbonate	mg/l	442 ± 1.46	440 ± 0.01	8.84	99.5	-0.23
Magnesium	mg/l	36.2 ± 0.459	- ± -	1.45	-	-
Nitrate (as NO ₃)	mg/l	10.7 ± 0.126	- ± -	0.537	-	-
Nitrite (as NO ₂)	mg/l	0.102 ± 0.00202	0.1 ± 0.002	0.00539	98.3	-0.33
Orthophosphate (as PO ₄)	mg/l	0.0589 ± 0.00231	- ± -	0.0053	-	-
pH-value	-	7.73 ± 0.027	7.71 ± 0.14	0.155	99.7	-0.15
Potassium	mg/l	2.4 ± 0.0526	- ± -	0.125	-	-
Sodium	mg/l	21.5 ± 0.289	- ± -	0.73	-	-
Sulfate (as SO ₄)	mg/l	94.2 ± 1.02	- ± -	3.11	-	-
Total-P (as PO ₄)	mg/l	1.16 ± 0.0213	- ± -	0.0869	-	-
Total hardness	mmol/l	5.41 ± 0.0392	- ± -	0.162	-	-
Total nitrogen	mg/l	2.59 ± 0.0647	- ± -	0.215	-	-

Sample: N155ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.07 ± 0.0588	- ± -	0.207	-	-

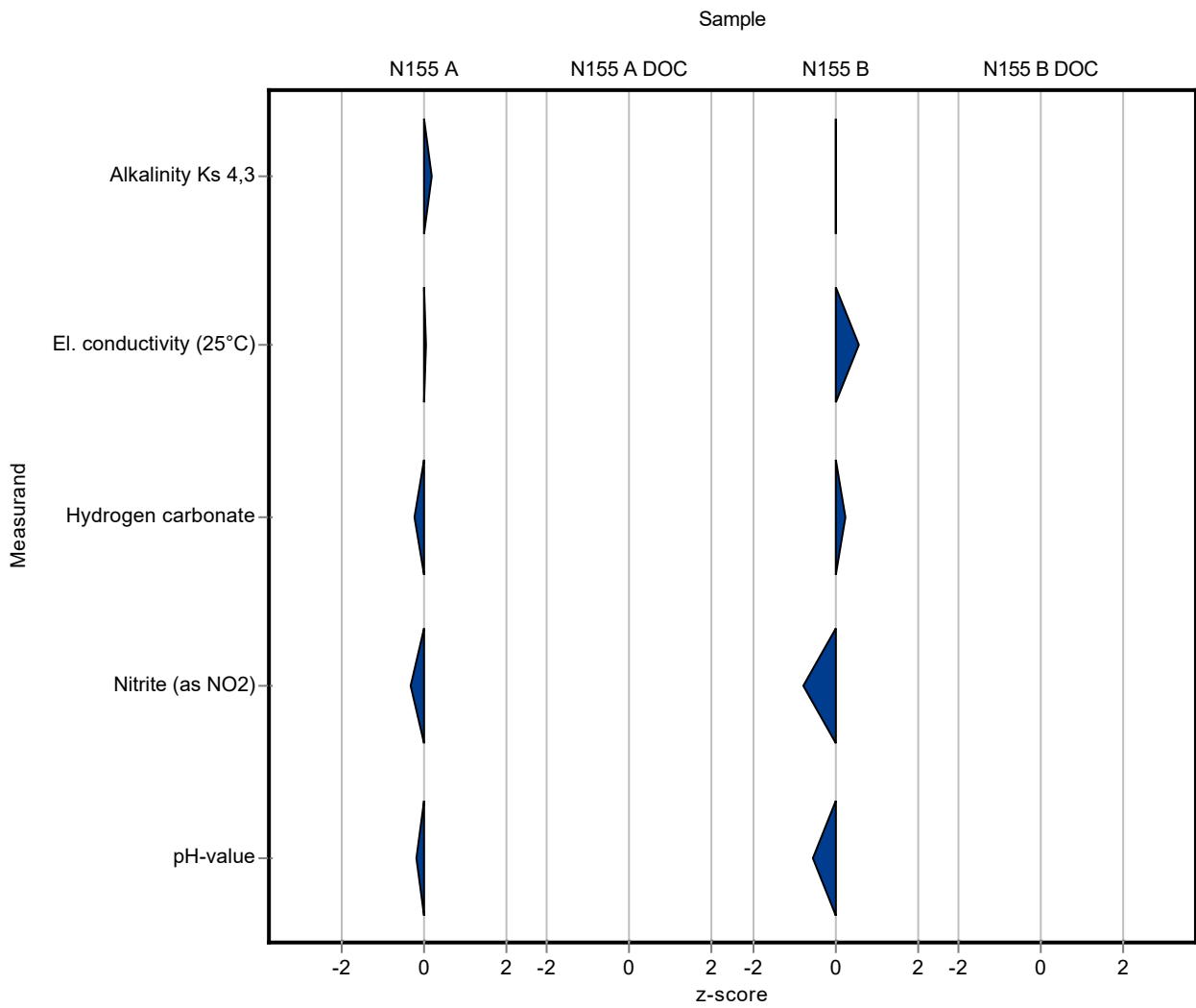
Sample: N155B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	3.11 ± 0.0171	3.11 ± 0.01	0.0622	100	0.01
Ammonium (as NH ₄)	mg/l	0.359 ± 0.00779	- ± -	0.0431	-	-
Boron	mg/l	0.0189 ± 0.000778	- ± -	0.00208	-	-
Calcium	mg/l	58.7 ± 0.681	- ± -	1.82	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Chloride	mg/l	44.2 ± 0.341	- ± -	1.77	-	-
El. conductivity (25°C)	µS/cm	517 ± 1.75	521 ± 9.8	6.72	101	0.58
Hydrogen carbonate	mg/l	189 ± 1.54	190 ± 0.01	3.78	101	0.26
Magnesium	mg/l	12.5 ± 0.185	- ± -	0.501	-	-
Nitrate (as NO ₃)	mg/l	20.1 ± 0.156	- ± -	1.01	-	-
Nitrite (as NO ₂)	mg/l	0.24 ± 0.00384	0.23 ± 0.004	0.0127	95.9	-0.77
Orthophosphate (as PO ₄)	mg/l	0.235 ± 0.00356	- ± -	0.0212	-	-
pH-value	-	7.92 ± 0.0209	7.84 ± 0.14	0.158	98.9	-0.53
Potassium	mg/l	2.94 ± 0.0476	- ± -	0.153	-	-
Sodium	mg/l	25.6 ± 0.277	- ± -	0.87	-	-
Sulfate (as SO ₄)	mg/l	24.7 ± 0.31	- ± -	0.815	-	-
Total-P (as PO ₄)	mg/l	1.1 ± 0.0151	- ± -	0.0824	-	-
Total hardness	mmol/l	2 ± 0.0126	- ± -	0.0599	-	-
Total nitrogen	mg/l	5.05 ± 0.0813	- ± -	0.42	-	-

Sample: N155BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	4.27 ± 0.0971	- ± -	0.427	-	-



Sample: N155A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	7.28 ± 0.029	7.31 ± 0.01	0.146	100	0.76
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00275	- ± -	0.0102	-	-
Boron	mg/l	0.0534 ± 0.00214	- ± -	0.00588	-	-
Calcium	mg/l	155 ± 2	- ± -	4.82	-	-
Chloride	mg/l	85.1 ± 0.62	- ± -	3.4	-	-
El. conductivity (25°C)	µS/cm	1080 ± 4.42	1080 ± 20.4	14	100	0.02
Hydrogen carbonate	mg/l	442 ± 1.46	440 ± 0.01	8.84	99.5	-1.39
Magnesium	mg/l	36.2 ± 0.459	- ± -	1.45	-	-
Nitrate (as NO ₃)	mg/l	10.7 ± 0.126	- ± -	0.537	-	-
Nitrite (as NO ₂)	mg/l	0.102 ± 0.00202	0.1 ± 0.002	0.00539	98.3	-0.40
Orthophosphate (as PO ₄)	mg/l	0.0589 ± 0.00231	- ± -	0.0053	-	-
pH-value	-	7.73 ± 0.027	7.71 ± 0.14	0.155	99.7	-0.08
Potassium	mg/l	2.4 ± 0.0526	- ± -	0.125	-	-
Sodium	mg/l	21.5 ± 0.289	- ± -	0.73	-	-
Sulfate (as SO ₄)	mg/l	94.2 ± 1.02	- ± -	3.11	-	-
Total-P (as PO ₄)	mg/l	1.16 ± 0.0213	- ± -	0.0869	-	-
Total hardness	mmol/l	5.41 ± 0.0392	- ± -	0.162	-	-
Total nitrogen	mg/l	2.59 ± 0.0647	- ± -	0.215	-	-

Sample: N155ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	2.07 ± 0.0588	- ± -	0.207	-	-

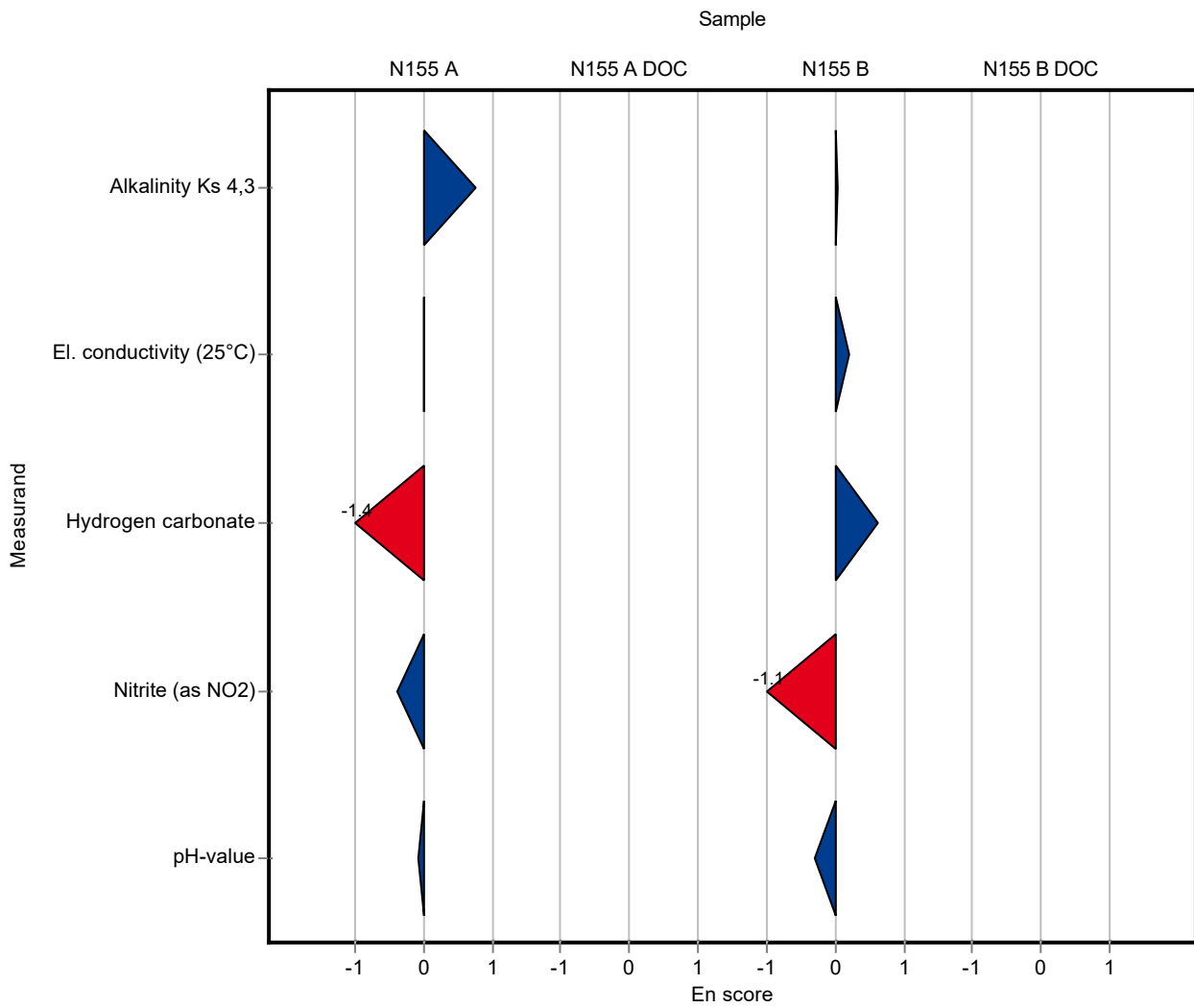
Sample: N155B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	3.11 ± 0.0171	3.11 ± 0.01	0.0622	100	0.02
Ammonium (as NH ₄)	mg/l	0.359 ± 0.00779	- ± -	0.0431	-	-
Boron	mg/l	0.0189 ± 0.000778	- ± -	0.00208	-	-
Calcium	mg/l	58.7 ± 0.681	- ± -	1.82	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Chloride	mg/l	44.2 ± 0.341	- ± -	1.77	-	-
El. conductivity (25°C)	µS/cm	517 ± 1.75	521 ± 9.8	6.72	101	0.20
Hydrogen carbonate	mg/l	189 ± 1.54	190 ± 0.01	3.78	101	0.63
Magnesium	mg/l	12.5 ± 0.185	- ± -	0.501	-	-
Nitrate (as NO ₃)	mg/l	20.1 ± 0.156	- ± -	1.01	-	-
Nitrite (as NO ₂)	mg/l	0.24 ± 0.00384	0.23 ± 0.004	0.0127	95.9	-1.10
Orthophosphate (as PO ₄)	mg/l	0.235 ± 0.00356	- ± -	0.0212	-	-
pH-value	-	7.92 ± 0.0209	7.84 ± 0.14	0.158	98.9	-0.30
Potassium	mg/l	2.94 ± 0.0476	- ± -	0.153	-	-
Sodium	mg/l	25.6 ± 0.277	- ± -	0.87	-	-
Sulfate (as SO ₄)	mg/l	24.7 ± 0.31	- ± -	0.815	-	-
Total-P (as PO ₄)	mg/l	1.1 ± 0.0151	- ± -	0.0824	-	-
Total hardness	mmol/l	2 ± 0.0126	- ± -	0.0599	-	-
Total nitrogen	mg/l	5.05 ± 0.0813	- ± -	0.42	-	-

Sample: N155BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	4.27 ± 0.0971	- ± -	0.427	-	-



Sample: N155A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	7.28 ± 0.029	- ± -	0.146	-	-
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00275	- ± -	0.0102	-	-
Boron	mg/l	0.0534 ± 0.00214	- ± -	0.00588	-	-
Calcium	mg/l	155 ± 2	150.5 ± 5	4.82	96.9	-1.00
Chloride	mg/l	85.1 ± 0.62	84.13 ± 1	3.4	98.9	-0.27
El. conductivity (25°C)	µS/cm	1080 ± 4.42	1023.5 ± 2	14	94.9	-3.96
Hydrogen carbonate	mg/l	442 ± 1.46	- ± -	8.84	-	-
Magnesium	mg/l	36.2 ± 0.459	42.4 ± 2.5	1.45	117	4.29
Nitrate (as NO ₃)	mg/l	10.7 ± 0.126	10.98 ± 0.8	0.537	102	0.45
Nitrite (as NO ₂)	mg/l	0.102 ± 0.00202	- ± -	0.00539	-	-
Orthophosphate (as PO ₄)	mg/l	0.0589 ± 0.00231	- ± -	0.0053	-	-
pH-value	-	7.73 ± 0.027	7.65 ± 0.1	0.155	98.9	-0.54
Potassium	mg/l	2.4 ± 0.0526	- ± -	0.125	-	-
Sodium	mg/l	21.5 ± 0.289	- ± -	0.73	-	-
Sulfate (as SO ₄)	mg/l	94.2 ± 1.02	96.48 ± 5	3.11	102	0.72
Total-P (as PO ₄)	mg/l	1.16 ± 0.0213	- ± -	0.0869	-	-
Total hardness	mmol/l	5.41 ± 0.0392	- ± -	0.162	-	-
Total nitrogen	mg/l	2.59 ± 0.0647	- ± -	0.215	-	-

Sample: N155ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.07 ± 0.0588	- ± -	0.207	-	-

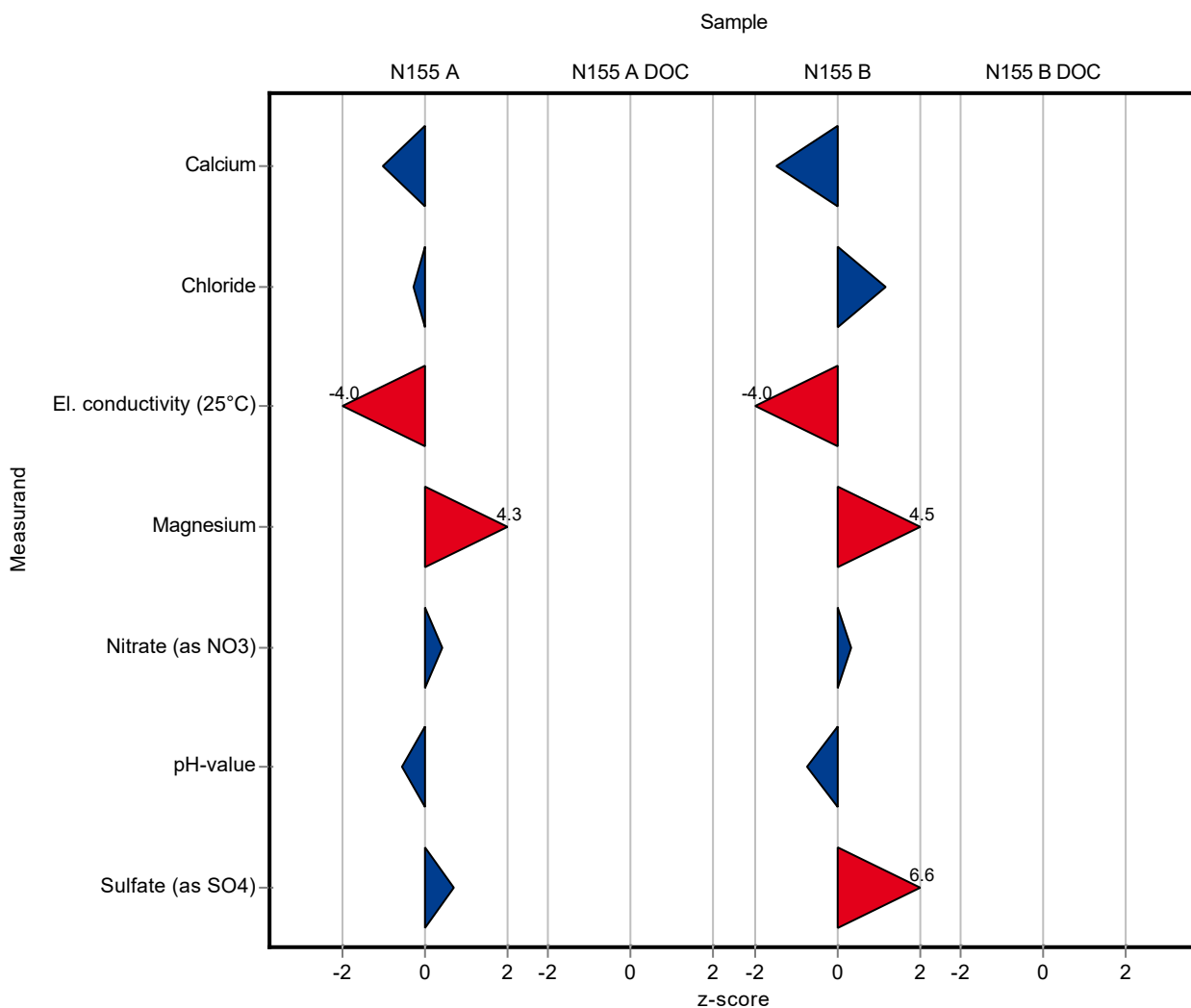
Sample: N155B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	3.11 ± 0.0171	- ± -	0.0622	-	-
Ammonium (as NH ₄)	mg/l	0.359 ± 0.00779	- ± -	0.0431	-	-
Boron	mg/l	0.0189 ± 0.000778	- ± -	0.00208	-	-
Calcium	mg/l	58.7 ± 0.681	56.05 ± 5	1.82	95.4	-1.48

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Chloride	mg/l	44.2 ± 0.341	46.25 ± 1	1.77	105	1.17
El. conductivity (25°C)	µS/cm	517 ± 1.75	490.5 ± 2	6.72	94.9	-3.95
Hydrogen carbonate	mg/l	189 ± 1.54	- ± -	3.78	-	-
Magnesium	mg/l	12.5 ± 0.185	14.78 ± 2.5	0.501	118	4.51
Nitrate (as NO ₃)	mg/l	20.1 ± 0.156	20.45 ± 0.8	1.01	102	0.33
Nitrite (as NO ₂)	mg/l	0.24 ± 0.00384	- ± -	0.0127	-	-
Orthophosphate (as PO ₄)	mg/l	0.235 ± 0.00356	- ± -	0.0212	-	-
pH-value	-	7.92 ± 0.0209	7.81 ± 0.1	0.158	98.6	-0.72
Potassium	mg/l	2.94 ± 0.0476	- ± -	0.153	-	-
Sodium	mg/l	25.6 ± 0.277	- ± -	0.87	-	-
Sulfate (as SO ₄)	mg/l	24.7 ± 0.31	30.1 ± 5	0.815	122	6.65
Total-P (as PO ₄)	mg/l	1.1 ± 0.0151	- ± -	0.0824	-	-
Total hardness	mmol/l	2 ± 0.0126	- ± -	0.0599	-	-
Total nitrogen	mg/l	5.05 ± 0.0813	- ± -	0.42	-	-

Sample: N155BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	4.27 ± 0.0971	- ± -	0.427	-	-



Sample: N155A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	7.28 ± 0.029	- ± -	0.146	-	-
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00275	- ± -	0.0102	-	-
Boron	mg/l	0.0534 ± 0.00214	- ± -	0.00588	-	-
Calcium	mg/l	155 ± 2	150.5 ± 5	4.82	96.9	-0.47
Chloride	mg/l	85.1 ± 0.62	84.13 ± 1	3.4	98.9	-0.44
El. conductivity (25°C)	µS/cm	1080 ± 4.42	1023.5 ± 2	14	94.9	-9.32
Hydrogen carbonate	mg/l	442 ± 1.46	- ± -	8.84	-	-
Magnesium	mg/l	36.2 ± 0.459	42.4 ± 2.5	1.45	117	1.24
Nitrate (as NO ₃)	mg/l	10.7 ± 0.126	10.98 ± 0.8	0.537	102	0.15
Nitrite (as NO ₂)	mg/l	0.102 ± 0.00202	- ± -	0.00539	-	-
Orthophosphate (as PO ₄)	mg/l	0.0589 ± 0.00231	- ± -	0.0053	-	-
pH-value	-	7.73 ± 0.027	7.65 ± 0.1	0.155	98.9	-0.41
Potassium	mg/l	2.4 ± 0.0526	- ± -	0.125	-	-
Sodium	mg/l	21.5 ± 0.289	- ± -	0.73	-	-
Sulfate (as SO ₄)	mg/l	94.2 ± 1.02	96.48 ± 5	3.11	102	0.22
Total-P (as PO ₄)	mg/l	1.16 ± 0.0213	- ± -	0.0869	-	-
Total hardness	mmol/l	5.41 ± 0.0392	- ± -	0.162	-	-
Total nitrogen	mg/l	2.59 ± 0.0647	- ± -	0.215	-	-

Sample: N155ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	2.07 ± 0.0588	- ± -	0.207	-	-

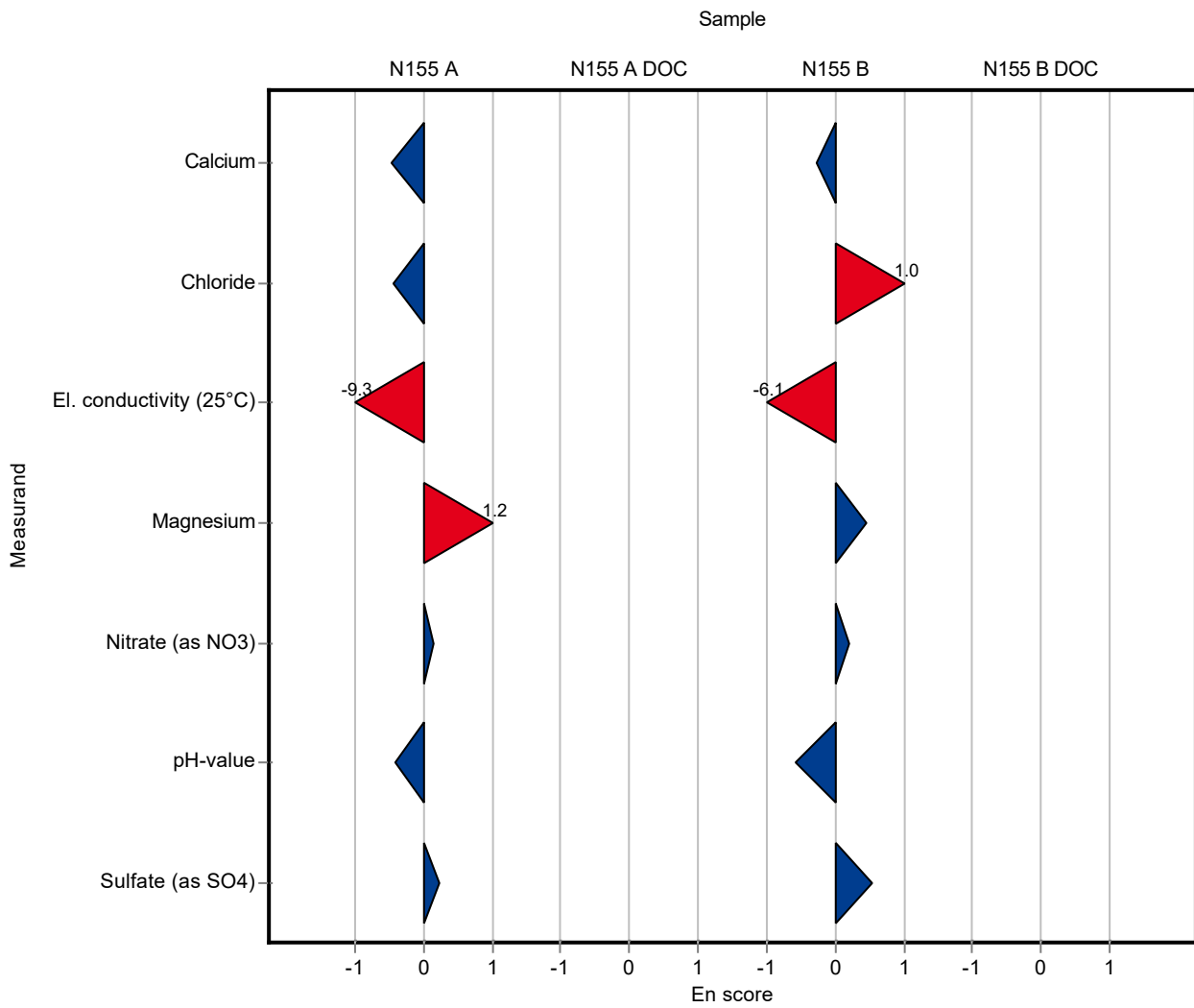
Sample: N155B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	3.11 ± 0.0171	- ± -	0.0622	-	-
Ammonium (as NH ₄)	mg/l	0.359 ± 0.00779	- ± -	0.0431	-	-
Boron	mg/l	0.0189 ± 0.000778	- ± -	0.00208	-	-
Calcium	mg/l	58.7 ± 0.681	56.05 ± 5	1.82	95.4	-0.27

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Chloride	mg/l	44.2 ± 0.341	46.25 ± 1	1.77	105	1.02
El. conductivity (25°C)	µS/cm	517 ± 1.75	490.5 ± 2	6.72	94.9	-6.09
Hydrogen carbonate	mg/l	189 ± 1.54	- ± -	3.78	-	-
Magnesium	mg/l	12.5 ± 0.185	14.78 ± 2.5	0.501	118	0.45
Nitrate (as NO ₃)	mg/l	20.1 ± 0.156	20.45 ± 0.8	1.01	102	0.21
Nitrite (as NO ₂)	mg/l	0.24 ± 0.00384	- ± -	0.0127	-	-
Orthophosphate (as PO ₄)	mg/l	0.235 ± 0.00356	- ± -	0.0212	-	-
pH-value	-	7.92 ± 0.0209	7.81 ± 0.1	0.158	98.6	-0.57
Potassium	mg/l	2.94 ± 0.0476	- ± -	0.153	-	-
Sodium	mg/l	25.6 ± 0.277	- ± -	0.87	-	-
Sulfate (as SO ₄)	mg/l	24.7 ± 0.31	30.1 ± 5	0.815	122	0.54
Total-P (as PO ₄)	mg/l	1.1 ± 0.0151	- ± -	0.0824	-	-
Total hardness	mmol/l	2 ± 0.0126	- ± -	0.0599	-	-
Total nitrogen	mg/l	5.05 ± 0.0813	- ± -	0.42	-	-

Sample: N155BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	4.27 ± 0.0971	- ± -	0.427	-	-



Sample: N155A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	7.28 ± 0.029	7.28 ± 0.41	0.146	100	-0.02
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00275	0.082 ± 0.0017	0.0102	96.1	-0.33
Boron	mg/l	0.0534 ± 0.00214	0.056 ± 0.00045	0.00588	105	0.43
Calcium	mg/l	155 ± 2	152.3 ± 18.28	4.82	98.1	-0.63
Chloride	mg/l	85.1 ± 0.62	87.2 ± 2.27	3.4	103	0.63
El. conductivity (25°C)	µS/cm	1080 ± 4.42	1102 ± 16.53	14	102	1.64
Hydrogen carbonate	mg/l	442 ± 1.46	444.2 ± 27.54	8.84	100	0.25
Magnesium	mg/l	36.2 ± 0.459	35.6 ± 3.28	1.45	98.4	-0.41
Nitrate (as NO ₃)	mg/l	10.7 ± 0.126	10.8 ± 0.25	0.537	101	0.11
Nitrite (as NO ₂)	mg/l	0.102 ± 0.00202	0.103 ± 0.002	0.00539	101	0.23
Orthophosphate (as PO ₄)	mg/l	0.0589 ± 0.00231	0.069 ± 0.0024	0.0053	117	1.91
pH-value	-	7.73 ± 0.027	7.83 ± 0.12	0.155	101	0.63
Potassium	mg/l	2.4 ± 0.0526	2.26 ± 0.077	0.125	94.3	-1.10
Sodium	mg/l	21.5 ± 0.289	21.7 ± 0.69	0.73	101	0.30
Sulfate (as SO ₄)	mg/l	94.2 ± 1.02	101 ± 2.63	3.11	107	2.17
Total-P (as PO ₄)	mg/l	1.16 ± 0.0213	1.18 ± 0.0047	0.0869	102	0.25
Total hardness	mmol/l	5.41 ± 0.0392	5.34 ± 0.053	0.162	98.7	-0.43
Total nitrogen	mg/l	2.59 ± 0.0647	3.21 ± 0.064	0.215	124	2.91

Sample: N155ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.07 ± 0.0588	2.03 ± 0.047	0.207	97.9	-0.21

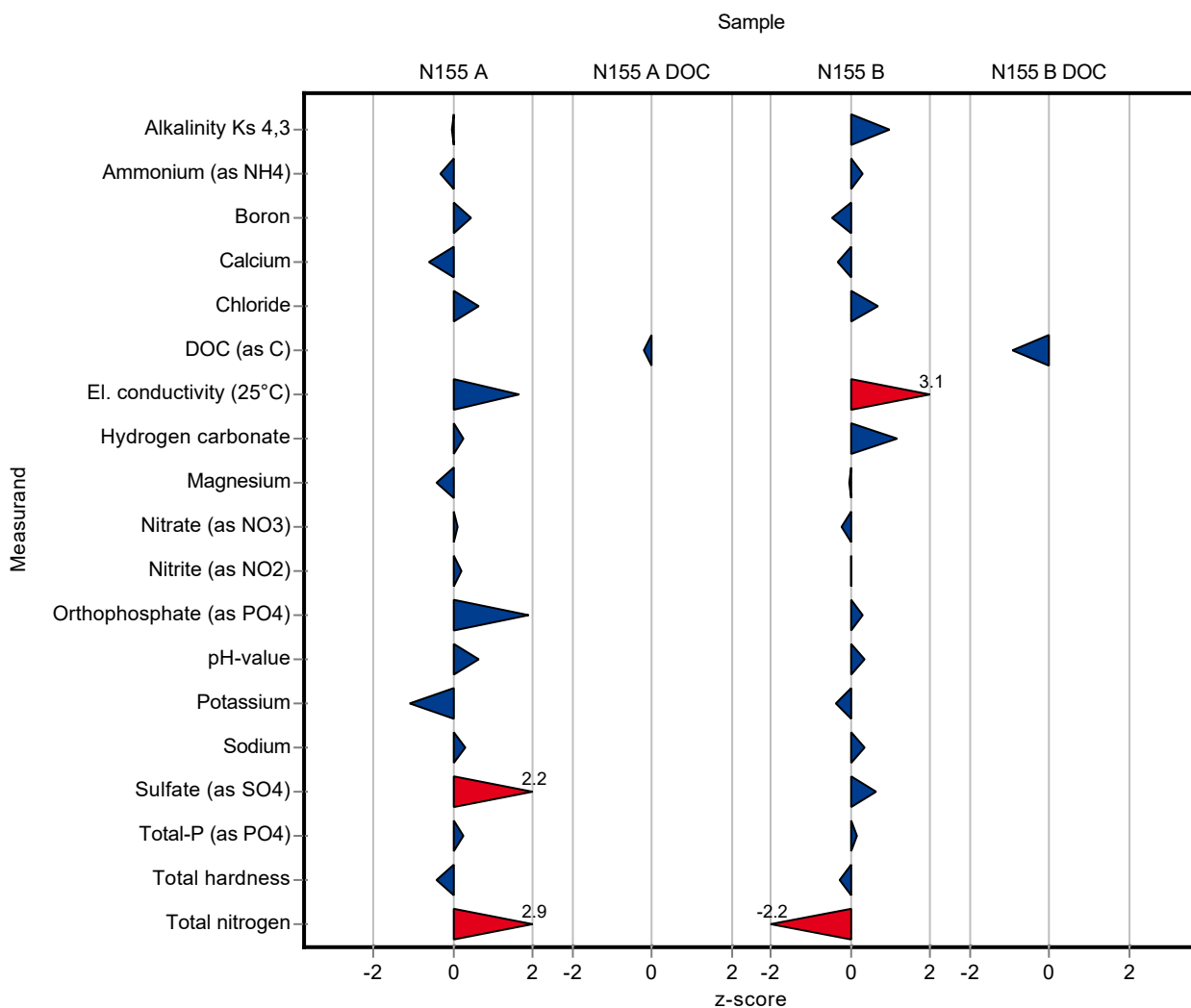
Sample: N155B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	3.11 ± 0.0171	3.17 ± 0.18	0.0622	102	0.97
Ammonium (as NH ₄)	mg/l	0.359 ± 0.00779	0.372 ± 0.0078	0.0431	104	0.30
Boron	mg/l	0.0189 ± 0.000778	0.018 ± 0.00014	0.00208	95	-0.45
Calcium	mg/l	58.7 ± 0.681	58.1 ± 6.97	1.82	98.9	-0.35

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Chloride	mg/l	44.2 ± 0.341	45.4 ± 1.18	1.77	103	0.69
El. conductivity (25°C)	µS/cm	517 ± 1.75	538 ± 8.07	6.72	104	3.11
Hydrogen carbonate	mg/l	189 ± 1.54	193.4 ± 611.99	3.78	102	1.16
Magnesium	mg/l	12.5 ± 0.185	12.5 ± 1.15	0.501	99.8	-0.04
Nitrate (as NO ₃)	mg/l	20.1 ± 0.156	19.9 ± 0.46	1.01	98.9	-0.21
Nitrite (as NO ₂)	mg/l	0.24 ± 0.00384	0.24 ± 0.0046	0.0127	100	0.02
Orthophosphate (as PO ₄)	mg/l	0.235 ± 0.00356	0.242 ± 0.0085	0.0212	103	0.31
pH-value	-	7.92 ± 0.0209	7.98 ± 0.12	0.158	101	0.35
Potassium	mg/l	2.94 ± 0.0476	2.88 ± 0.098	0.153	97.9	-0.40
Sodium	mg/l	25.6 ± 0.277	25.9 ± 0.83	0.87	101	0.37
Sulfate (as SO ₄)	mg/l	24.7 ± 0.31	25.2 ± 0.66	0.815	102	0.63
Total-P (as PO ₄)	mg/l	1.1 ± 0.0151	1.11 ± 0.0044	0.0824	101	0.14
Total hardness	mmol/l	2 ± 0.0126	1.98 ± 0.02	0.0599	99.2	-0.27
Total nitrogen	mg/l	5.05 ± 0.0813	4.12 ± 0.082	0.42	81.5	-2.23

Sample: N155BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	4.27 ± 0.0971	3.87 ± 0.089	0.427	90.7	-0.93



Sample: N155A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	7.28 ± 0.029	7.28 ± 0.41	0.146	100	0.00
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00275	0.082 ± 0.0017	0.0102	96.1	-0.77
Boron	mg/l	0.0534 ± 0.00214	0.056 ± 0.00045	0.00588	105	1.10
Calcium	mg/l	155 ± 2	152.3 ± 18.28	4.82	98.1	-0.08
Chloride	mg/l	85.1 ± 0.62	87.2 ± 2.27	3.4	103	0.47
El. conductivity (25°C)	µS/cm	1080 ± 4.42	1102 ± 16.53	14	102	0.69
Hydrogen carbonate	mg/l	442 ± 1.46	444.2 ± 27.54	8.84	100	0.04
Magnesium	mg/l	36.2 ± 0.459	35.6 ± 3.28	1.45	98.4	-0.09
Nitrate (as NO ₃)	mg/l	10.7 ± 0.126	10.8 ± 0.25	0.537	101	0.12
Nitrite (as NO ₂)	mg/l	0.102 ± 0.00202	0.103 ± 0.002	0.00539	101	0.27
Orthophosphate (as PO ₄)	mg/l	0.0589 ± 0.00231	0.069 ± 0.0024	0.0053	117	1.90
pH-value	-	7.73 ± 0.027	7.83 ± 0.12	0.155	101	0.40
Potassium	mg/l	2.4 ± 0.0526	2.26 ± 0.077	0.125	94.3	-0.84
Sodium	mg/l	21.5 ± 0.289	21.7 ± 0.69	0.73	101	0.15
Sulfate (as SO ₄)	mg/l	94.2 ± 1.02	101 ± 2.63	3.11	107	1.26
Total-P (as PO ₄)	mg/l	1.16 ± 0.0213	1.18 ± 0.0047	0.0869	102	0.95
Total hardness	mmol/l	5.41 ± 0.0392	5.34 ± 0.053	0.162	98.7	-0.63
Total nitrogen	mg/l	2.59 ± 0.0647	3.21 ± 0.064	0.215	124	4.35

Sample: N155ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	2.07 ± 0.0588	2.03 ± 0.047	0.207	97.9	-0.40

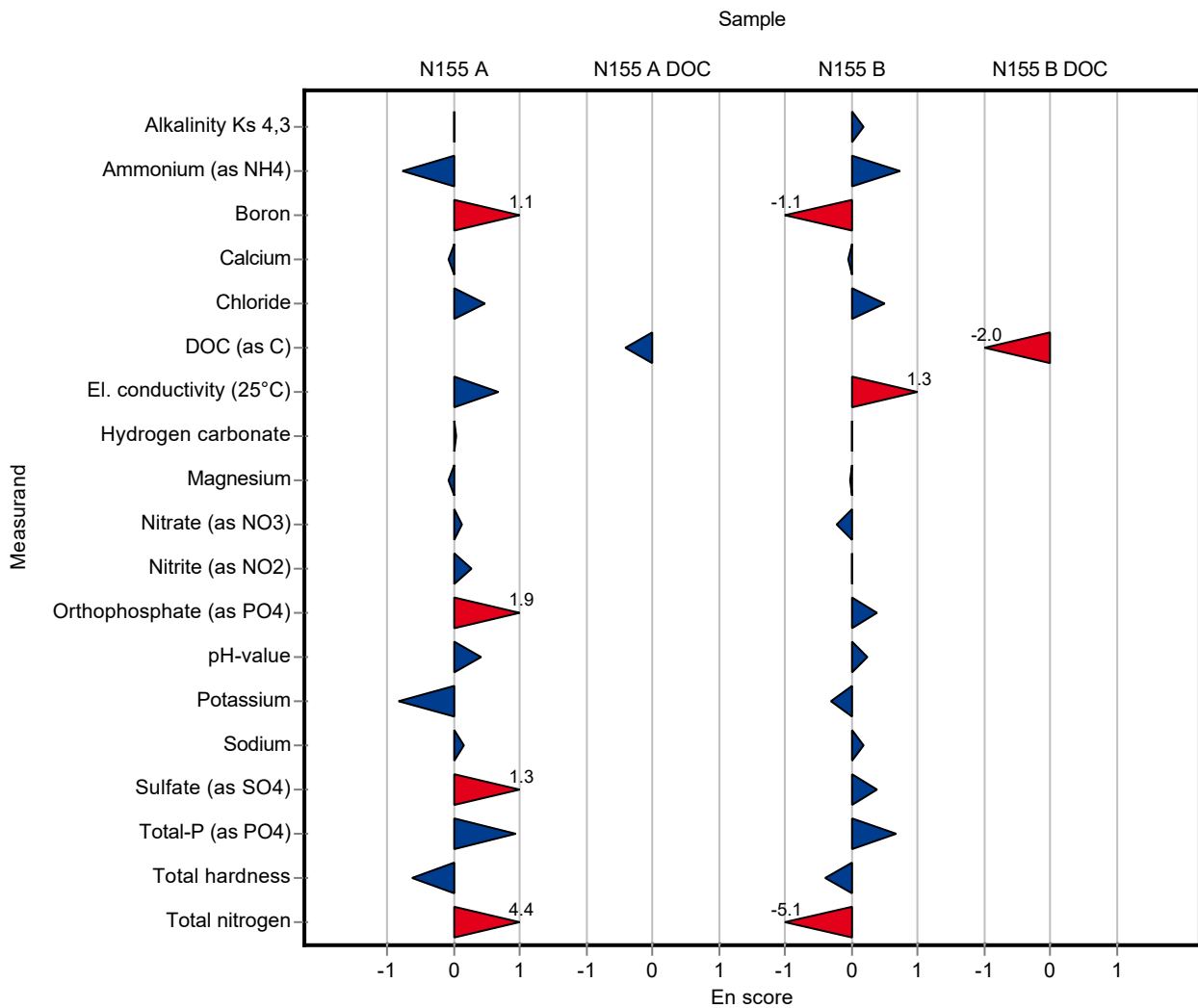
Sample: N155B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	3.11 ± 0.0171	3.17 ± 0.18	0.0622	102	0.17
Ammonium (as NH ₄)	mg/l	0.359 ± 0.00779	0.372 ± 0.0078	0.0431	104	0.74
Boron	mg/l	0.0189 ± 0.000778	0.018 ± 0.00014	0.00208	95	-1.14
Calcium	mg/l	58.7 ± 0.681	58.1 ± 6.97	1.82	98.9	-0.05

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Chloride	mg/l	44.2 ± 0.341	45.4 ± 1.18	1.77	103	0.51
El. conductivity (25°C)	µS/cm	517 ± 1.75	538 ± 8.07	6.72	104	1.29
Hydrogen carbonate	mg/l	189 ± 1.54	193.4 ± 611.99	3.78	102	0.00
Magnesium	mg/l	12.5 ± 0.185	12.5 ± 1.15	0.501	99.8	-0.01
Nitrate (as NO ₃)	mg/l	20.1 ± 0.156	19.9 ± 0.46	1.01	98.9	-0.23
Nitrite (as NO ₂)	mg/l	0.24 ± 0.00384	0.24 ± 0.0046	0.0127	100	0.02
Orthophosphate (as PO ₄)	mg/l	0.235 ± 0.00356	0.242 ± 0.0085	0.0212	103	0.37
pH-value	-	7.92 ± 0.0209	7.98 ± 0.12	0.158	101	0.23
Potassium	mg/l	2.94 ± 0.0476	2.88 ± 0.098	0.153	97.9	-0.30
Sodium	mg/l	25.6 ± 0.277	25.9 ± 0.83	0.87	101	0.19
Sulfate (as SO ₄)	mg/l	24.7 ± 0.31	25.2 ± 0.66	0.815	102	0.38
Total-P (as PO ₄)	mg/l	1.1 ± 0.0151	1.11 ± 0.0044	0.0824	101	0.69
Total hardness	mmol/l	2 ± 0.0126	1.98 ± 0.02	0.0599	99.2	-0.39
Total nitrogen	mg/l	5.05 ± 0.0813	4.12 ± 0.082	0.42	81.5	-5.11

Sample: N155BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	4.27 ± 0.0971	3.87 ± 0.089	0.427	90.7	-1.95



Sample: N155A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	7.28 ± 0.029	- ± -	0.146	-	-
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00275	0.068 ± 0.006	0.0102	79.7	-1.69
Boron	mg/l	0.0534 ± 0.00214	- ± -	0.00588	-	-
Calcium	mg/l	155 ± 2	- ± -	4.82	-	-
Chloride	mg/l	85.1 ± 0.62	- ± -	3.4	-	-
El. conductivity (25°C)	µS/cm	1080 ± 4.42	1064 ± 2	14	98.6	-1.07
Hydrogen carbonate	mg/l	442 ± 1.46	- ± -	8.84	-	-
Magnesium	mg/l	36.2 ± 0.459	- ± -	1.45	-	-
Nitrate (as NO ₃)	mg/l	10.7 ± 0.126	2.52 ± 0.13	0.537	23.5	-15.30
Nitrite (as NO ₂)	mg/l	0.102 ± 0.00202	0.03 ± 0.002	0.00539	29.5	-13.30
Orthophosphate (as PO ₄)	mg/l	0.0589 ± 0.00231	0.016 ± 0.001	0.0053	27.2	-8.09
pH-value	-	7.73 ± 0.027	7.62 ± 0.05	0.155	98.5	-0.73
Potassium	mg/l	2.4 ± 0.0526	- ± -	0.125	-	-
Sodium	mg/l	21.5 ± 0.289	- ± -	0.73	-	-
Sulfate (as SO ₄)	mg/l	94.2 ± 1.02	- ± -	3.11	-	-
Total-P (as PO ₄)	mg/l	1.16 ± 0.0213	0.365 ± 0.023	0.0869	31.5	-9.13
Total hardness	mmol/l	5.41 ± 0.0392	- ± -	0.162	-	-
Total nitrogen	mg/l	2.59 ± 0.0647	- ± -	0.215	-	-

Sample: N155ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.07 ± 0.0588	- ± -	0.207	-	-

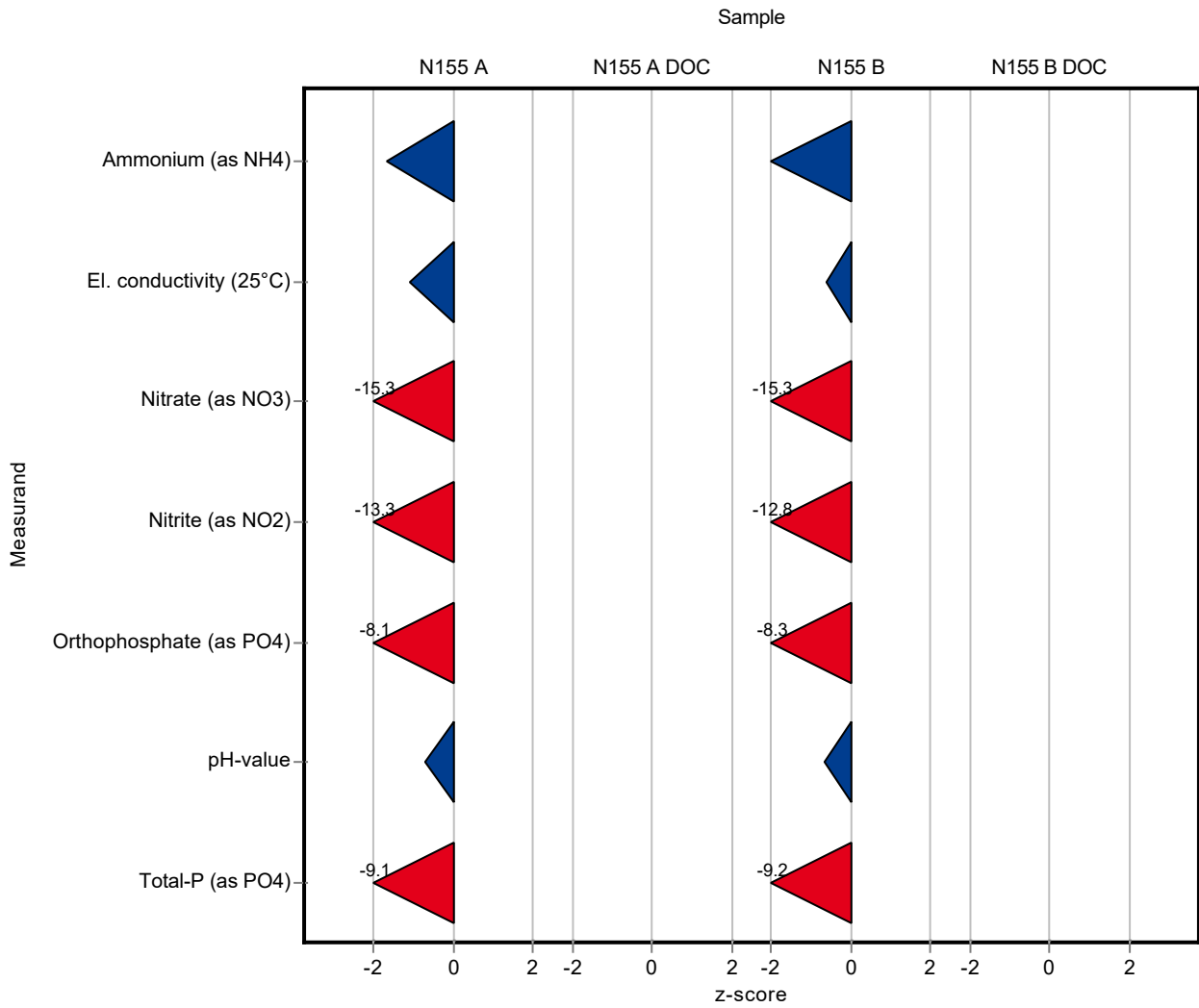
Sample: N155B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	3.11 ± 0.0171	- ± -	0.0622	-	-
Ammonium (as NH ₄)	mg/l	0.359 ± 0.00779	0.273 ± 0.025	0.0431	76	-2.00
Boron	mg/l	0.0189 ± 0.000778	- ± -	0.00208	-	-
Calcium	mg/l	58.7 ± 0.681	- ± -	1.82	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Chloride	mg/l	44.2 ± 0.341	- ± -	1.77	-	-
El. conductivity (25°C)	µS/cm	517 ± 1.75	513 ± 2	6.72	99.2	-0.61
Hydrogen carbonate	mg/l	189 ± 1.54	- ± -	3.78	-	-
Magnesium	mg/l	12.5 ± 0.185	- ± -	0.501	-	-
Nitrate (as NO ₃)	mg/l	20.1 ± 0.156	4.71 ± 0.24	1.01	23.4	-15.30
Nitrite (as NO ₂)	mg/l	0.24 ± 0.00384	0.077 ± 0.004	0.0127	32.1	-12.80
Orthophosphate (as PO ₄)	mg/l	0.235 ± 0.00356	0.06 ± 0.005	0.0212	25.5	-8.28
pH-value	-	7.92 ± 0.0209	7.82 ± 0.05	0.158	98.7	-0.66
Potassium	mg/l	2.94 ± 0.0476	- ± -	0.153	-	-
Sodium	mg/l	25.6 ± 0.277	- ± -	0.87	-	-
Sulfate (as SO ₄)	mg/l	24.7 ± 0.31	- ± -	0.815	-	-
Total-P (as PO ₄)	mg/l	1.1 ± 0.0151	0.341 ± 0.021	0.0824	31.1	-9.19
Total hardness	mmol/l	2 ± 0.0126	- ± -	0.0599	-	-
Total nitrogen	mg/l	5.05 ± 0.0813	- ± -	0.42	-	-

Sample: N155BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	4.27 ± 0.0971	- ± -	0.427	-	-



Sample: N155A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	7.28 ± 0.029	- ± -	0.146	-	-
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00275	0.068 ± 0.006	0.0102	79.7	-1.41
Boron	mg/l	0.0534 ± 0.00214	- ± -	0.00588	-	-
Calcium	mg/l	155 ± 2	- ± -	4.82	-	-
Chloride	mg/l	85.1 ± 0.62	- ± -	3.4	-	-
El. conductivity (25°C)	µS/cm	1080 ± 4.42	1064 ± 2	14	98.6	-2.53
Hydrogen carbonate	mg/l	442 ± 1.46	- ± -	8.84	-	-
Magnesium	mg/l	36.2 ± 0.459	- ± -	1.45	-	-
Nitrate (as NO ₃)	mg/l	10.7 ± 0.126	2.52 ± 0.13	0.537	23.5	-28.40
Nitrite (as NO ₂)	mg/l	0.102 ± 0.00202	0.03 ± 0.002	0.00539	29.5	-16.00
Orthophosphate (as PO ₄)	mg/l	0.0589 ± 0.00231	0.016 ± 0.001	0.0053	27.2	-14.00
pH-value	-	7.73 ± 0.027	7.62 ± 0.05	0.155	98.5	-1.09
Potassium	mg/l	2.4 ± 0.0526	- ± -	0.125	-	-
Sodium	mg/l	21.5 ± 0.289	- ± -	0.73	-	-
Sulfate (as SO ₄)	mg/l	94.2 ± 1.02	- ± -	3.11	-	-
Total-P (as PO ₄)	mg/l	1.16 ± 0.0213	0.365 ± 0.023	0.0869	31.5	-15.60
Total hardness	mmol/l	5.41 ± 0.0392	- ± -	0.162	-	-
Total nitrogen	mg/l	2.59 ± 0.0647	- ± -	0.215	-	-

Sample: N155ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	2.07 ± 0.0588	- ± -	0.207	-	-

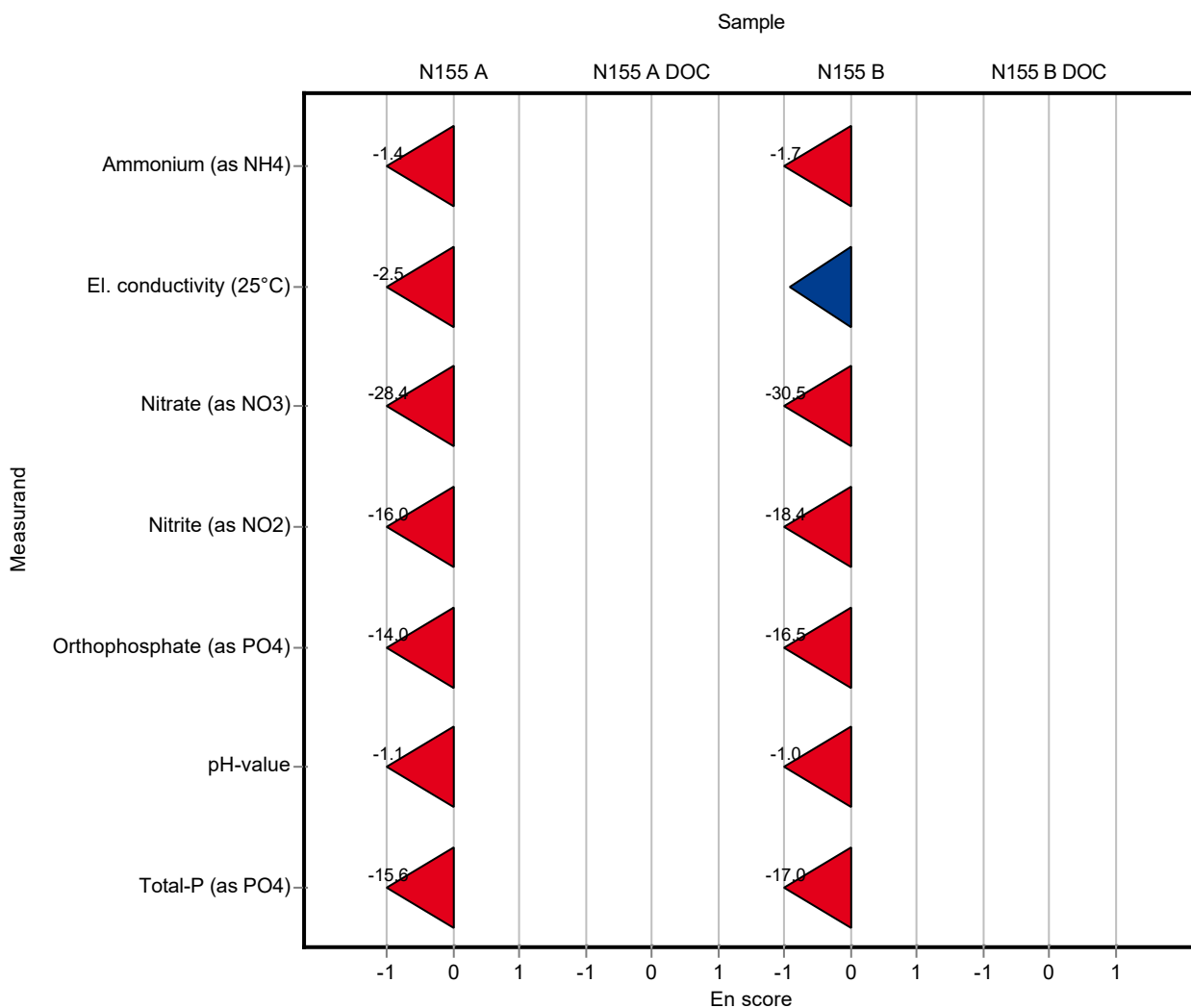
Sample: N155B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	3.11 ± 0.0171	- ± -	0.0622	-	-
Ammonium (as NH ₄)	mg/l	0.359 ± 0.00779	0.273 ± 0.025	0.0431	76	-1.70
Boron	mg/l	0.0189 ± 0.000778	- ± -	0.00208	-	-
Calcium	mg/l	58.7 ± 0.681	- ± -	1.82	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Chloride	mg/l	44.2 ± 0.341	- ± -	1.77	-	-
El. conductivity (25°C)	µS/cm	517 ± 1.75	513 ± 2	6.72	99.2	-0.93
Hydrogen carbonate	mg/l	189 ± 1.54	- ± -	3.78	-	-
Magnesium	mg/l	12.5 ± 0.185	- ± -	0.501	-	-
Nitrate (as NO ₃)	mg/l	20.1 ± 0.156	4.71 ± 0.24	1.01	23.4	-30.50
Nitrite (as NO ₂)	mg/l	0.24 ± 0.00384	0.077 ± 0.004	0.0127	32.1	-18.40
Orthophosphate (as PO ₄)	mg/l	0.235 ± 0.00356	0.06 ± 0.005	0.0212	25.5	-16.50
pH-value	-	7.92 ± 0.0209	7.82 ± 0.05	0.158	98.7	-1.02
Potassium	mg/l	2.94 ± 0.0476	- ± -	0.153	-	-
Sodium	mg/l	25.6 ± 0.277	- ± -	0.87	-	-
Sulfate (as SO ₄)	mg/l	24.7 ± 0.31	- ± -	0.815	-	-
Total-P (as PO ₄)	mg/l	1.1 ± 0.0151	0.341 ± 0.021	0.0824	31.1	-17.00
Total hardness	mmol/l	2 ± 0.0126	- ± -	0.0599	-	-
Total nitrogen	mg/l	5.05 ± 0.0813	- ± -	0.42	-	-

Sample: N155BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	4.27 ± 0.0971	- ± -	0.427	-	-



Sample: N155A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	7.28 ± 0.029	7.27 ± 0.14	0.146	99.8	-0.09
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00275	- ± -	0.0102	-	-
Boron	mg/l	0.0534 ± 0.00214	- ± -	0.00588	-	-
Calcium	mg/l	155 ± 2	- ± -	4.82	-	-
Chloride	mg/l	85.1 ± 0.62	- ± -	3.4	-	-
El. conductivity (25°C)	µS/cm	1080 ± 4.42	1092 ± 19.7	14	101	0.92
Hydrogen carbonate	mg/l	442 ± 1.46	443 ± 8.64	8.84	100	0.11
Magnesium	mg/l	36.2 ± 0.459	- ± -	1.45	-	-
Nitrate (as NO ₃)	mg/l	10.7 ± 0.126	- ± -	0.537	-	-
Nitrite (as NO ₂)	mg/l	0.102 ± 0.00202	- ± -	0.00539	-	-
Orthophosphate (as PO ₄)	mg/l	0.0589 ± 0.00231	- ± -	0.0053	-	-
pH-value	-	7.73 ± 0.027	7.89 ± 0.15	0.155	102	1.02
Potassium	mg/l	2.4 ± 0.0526	- ± -	0.125	-	-
Sodium	mg/l	21.5 ± 0.289	- ± -	0.73	-	-
Sulfate (as SO ₄)	mg/l	94.2 ± 1.02	- ± -	3.11	-	-
Total-P (as PO ₄)	mg/l	1.16 ± 0.0213	- ± -	0.0869	-	-
Total hardness	mmol/l	5.41 ± 0.0392	- ± -	0.162	-	-
Total nitrogen	mg/l	2.59 ± 0.0647	- ± -	0.215	-	-

Sample: N155ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.07 ± 0.0588	- ± -	0.207	-	-

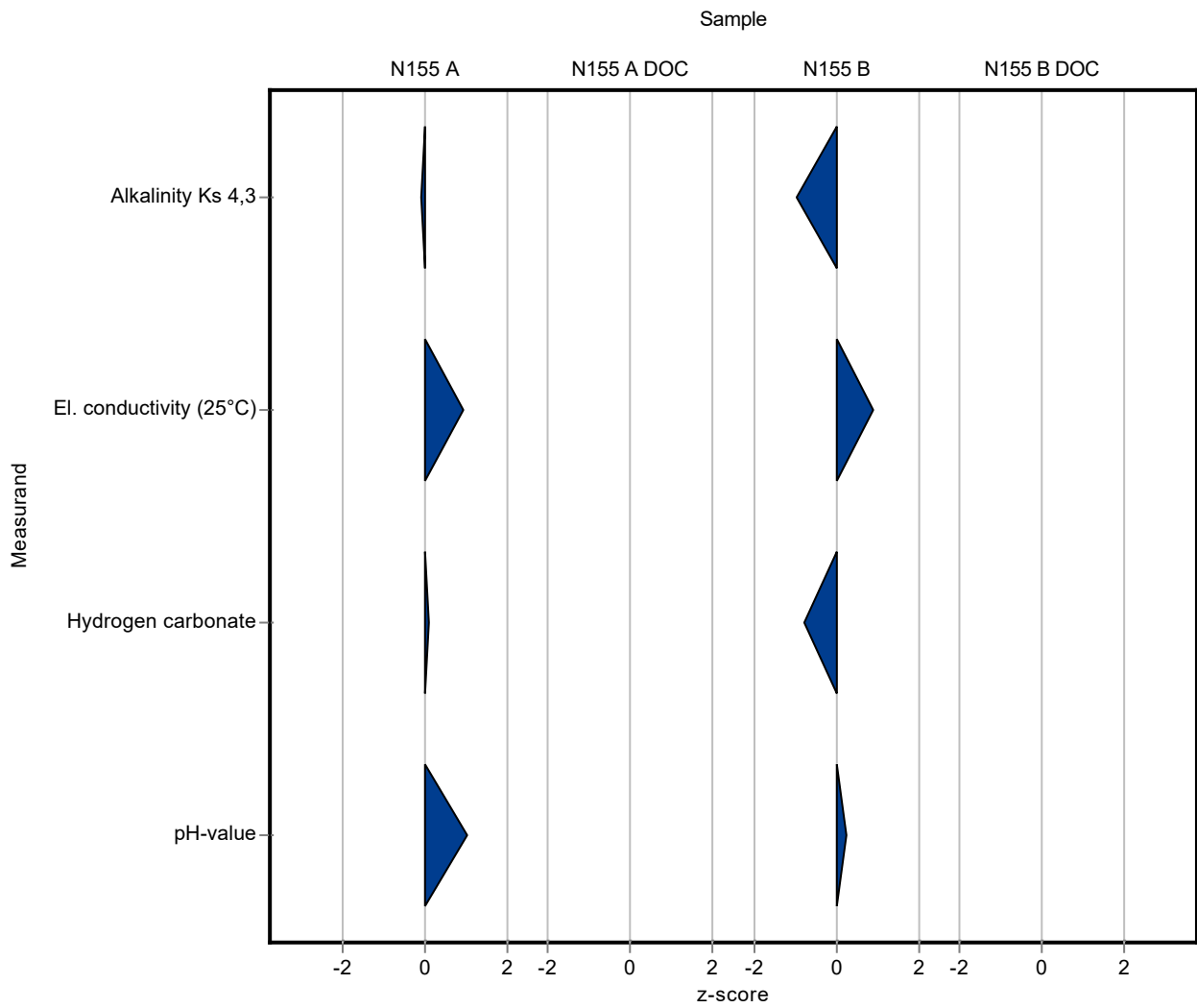
Sample: N155B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	3.11 ± 0.0171	3.05 ± 0.06	0.0622	98.1	-0.95
Ammonium (as NH ₄)	mg/l	0.359 ± 0.00779	- ± -	0.0431	-	-
Boron	mg/l	0.0189 ± 0.000778	- ± -	0.00208	-	-
Calcium	mg/l	58.7 ± 0.681	- ± -	1.82	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Chloride	mg/l	44.2 ± 0.341	- ± -	1.77	-	-
El. conductivity (25°C)	µS/cm	517 ± 1.75	523 ± 9.42	6.72	101	0.88
Hydrogen carbonate	mg/l	189 ± 1.54	186 ± 3.63	3.78	98.4	-0.80
Magnesium	mg/l	12.5 ± 0.185	- ± -	0.501	-	-
Nitrate (as NO ₃)	mg/l	20.1 ± 0.156	- ± -	1.01	-	-
Nitrite (as NO ₂)	mg/l	0.24 ± 0.00384	- ± -	0.0127	-	-
Orthophosphate (as PO ₄)	mg/l	0.235 ± 0.00356	- ± -	0.0212	-	-
pH-value	-	7.92 ± 0.0209	7.96 ± 0.15	0.158	100	0.23
Potassium	mg/l	2.94 ± 0.0476	- ± -	0.153	-	-
Sodium	mg/l	25.6 ± 0.277	- ± -	0.87	-	-
Sulfate (as SO ₄)	mg/l	24.7 ± 0.31	- ± -	0.815	-	-
Total-P (as PO ₄)	mg/l	1.1 ± 0.0151	- ± -	0.0824	-	-
Total hardness	mmol/l	2 ± 0.0126	- ± -	0.0599	-	-
Total nitrogen	mg/l	5.05 ± 0.0813	- ± -	0.42	-	-

Sample: N155BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	4.27 ± 0.0971	- ± -	0.427	-	-



Sample: N155A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	7.28 ± 0.029	7.27 ± 0.14	0.146	99.8	-0.05
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00275	- ± -	0.0102	-	-
Boron	mg/l	0.0534 ± 0.00214	- ± -	0.00588	-	-
Calcium	mg/l	155 ± 2	- ± -	4.82	-	-
Chloride	mg/l	85.1 ± 0.62	- ± -	3.4	-	-
El. conductivity (25°C)	µS/cm	1080 ± 4.42	1092 ± 19.7	14	101	0.33
Hydrogen carbonate	mg/l	442 ± 1.46	443 ± 8.64	8.84	100	0.06
Magnesium	mg/l	36.2 ± 0.459	- ± -	1.45	-	-
Nitrate (as NO ₃)	mg/l	10.7 ± 0.126	- ± -	0.537	-	-
Nitrite (as NO ₂)	mg/l	0.102 ± 0.00202	- ± -	0.00539	-	-
Orthophosphate (as PO ₄)	mg/l	0.0589 ± 0.00231	- ± -	0.0053	-	-
pH-value	-	7.73 ± 0.027	7.89 ± 0.15	0.155	102	0.52
Potassium	mg/l	2.4 ± 0.0526	- ± -	0.125	-	-
Sodium	mg/l	21.5 ± 0.289	- ± -	0.73	-	-
Sulfate (as SO ₄)	mg/l	94.2 ± 1.02	- ± -	3.11	-	-
Total-P (as PO ₄)	mg/l	1.16 ± 0.0213	- ± -	0.0869	-	-
Total hardness	mmol/l	5.41 ± 0.0392	- ± -	0.162	-	-
Total nitrogen	mg/l	2.59 ± 0.0647	- ± -	0.215	-	-

Sample: N155ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	2.07 ± 0.0588	- ± -	0.207	-	-

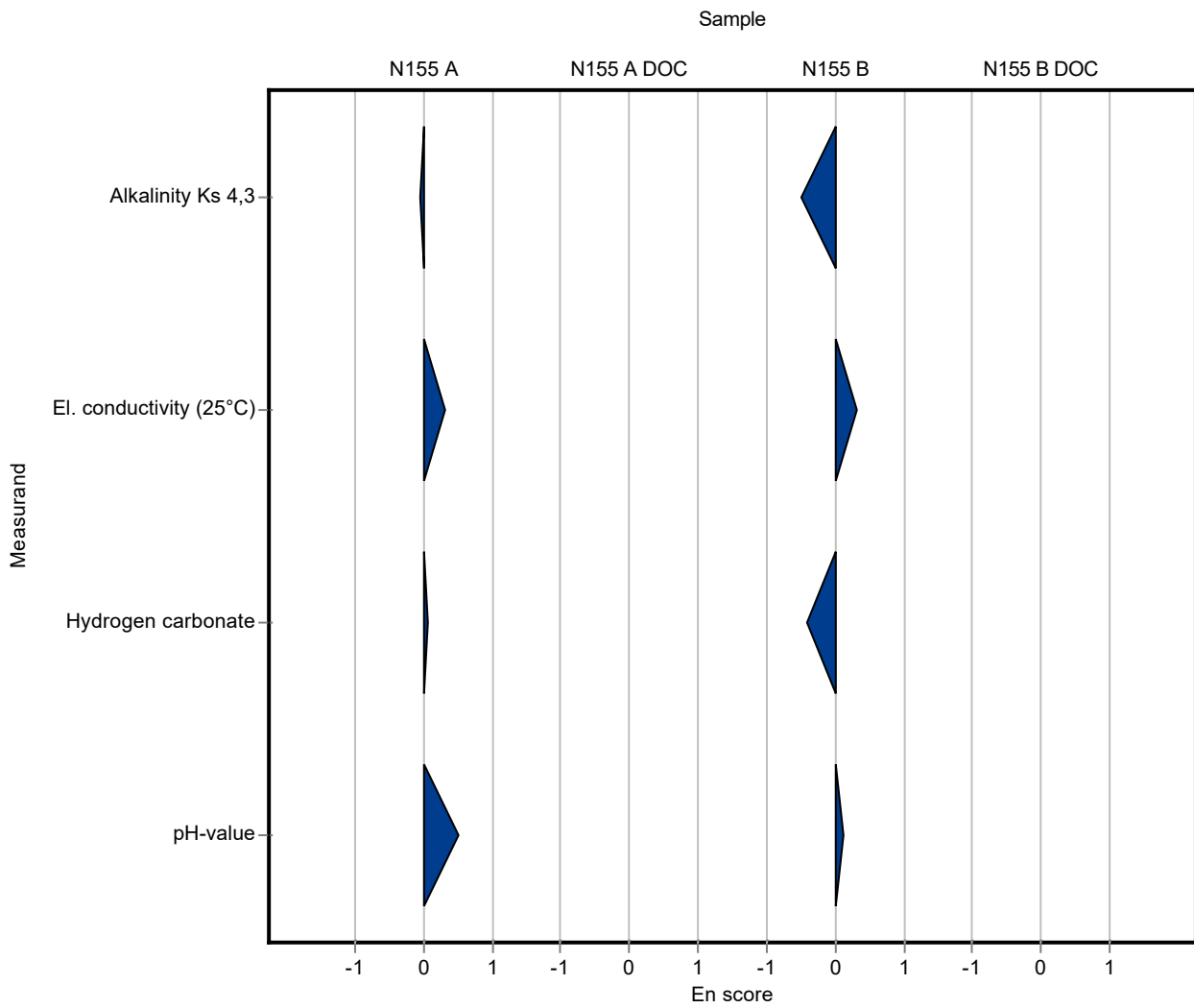
Sample: N155B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	3.11 ± 0.0171	3.05 ± 0.06	0.0622	98.1	-0.49
Ammonium (as NH ₄)	mg/l	0.359 ± 0.00779	- ± -	0.0431	-	-
Boron	mg/l	0.0189 ± 0.000778	- ± -	0.00208	-	-
Calcium	mg/l	58.7 ± 0.681	- ± -	1.82	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Chloride	mg/l	44.2 ± 0.341	- ± -	1.77	-	-
El. conductivity (25°C)	µS/cm	517 ± 1.75	523 ± 9.42	6.72	101	0.31
Hydrogen carbonate	mg/l	189 ± 1.54	186 ± 3.63	3.78	98.4	-0.41
Magnesium	mg/l	12.5 ± 0.185	- ± -	0.501	-	-
Nitrate (as NO ₃)	mg/l	20.1 ± 0.156	- ± -	1.01	-	-
Nitrite (as NO ₂)	mg/l	0.24 ± 0.00384	- ± -	0.0127	-	-
Orthophosphate (as PO ₄)	mg/l	0.235 ± 0.00356	- ± -	0.0212	-	-
pH-value	-	7.92 ± 0.0209	7.96 ± 0.15	0.158	100	0.12
Potassium	mg/l	2.94 ± 0.0476	- ± -	0.153	-	-
Sodium	mg/l	25.6 ± 0.277	- ± -	0.87	-	-
Sulfate (as SO ₄)	mg/l	24.7 ± 0.31	- ± -	0.815	-	-
Total-P (as PO ₄)	mg/l	1.1 ± 0.0151	- ± -	0.0824	-	-
Total hardness	mmol/l	2 ± 0.0126	- ± -	0.0599	-	-
Total nitrogen	mg/l	5.05 ± 0.0813	- ± -	0.42	-	-

Sample: N155BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	4.27 ± 0.0971	- ± -	0.427	-	-



Sample: N155A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	7.28 ± 0.029	7.46 ± 0.75	0.146	102	1.21
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00275	0.0853 ± 0.00853	0.0102	99.9	0.00
Boron	mg/l	0.0534 ± 0.00214	0.052 ± 0.005	0.00588	97.3	-0.24
Calcium	mg/l	155 ± 2	155 ± 16	4.82	99.8	-0.07
Chloride	mg/l	85.1 ± 0.62	78.7 ± 7.9	3.4	92.5	-1.87
El. conductivity (25°C)	µS/cm	1080 ± 4.42	1102 ± 110	14	102	1.64
Hydrogen carbonate	mg/l	442 ± 1.46	455 ± 46	8.84	103	1.47
Magnesium	mg/l	36.2 ± 0.459	36 ± 3.6	1.45	99.5	-0.13
Nitrate (as NO ₃)	mg/l	10.7 ± 0.126	11.1 ± 1.1	0.537	103	0.67
Nitrite (as NO ₂)	mg/l	0.102 ± 0.00202	0.103 ± 0.01	0.00539	101	0.23
Orthophosphate (as PO ₄)	mg/l	0.0589 ± 0.00231	0.064 ± 0.006	0.0053	109	0.97
pH-value	-	7.73 ± 0.027	8 ± 0.24	0.155	103	1.73
Potassium	mg/l	2.4 ± 0.0526	2.04 ± 0.2	0.125	85.1	-2.87
Sodium	mg/l	21.5 ± 0.289	21.1 ± 2.1	0.73	98.2	-0.52
Sulfate (as SO ₄)	mg/l	94.2 ± 1.02	84.4 ± 8.4	3.11	89.6	-3.17
Total-P (as PO ₄)	mg/l	1.16 ± 0.0213	1.14 ± 0.23	0.0869	98.4	-0.21
Total hardness	mmol/l	5.41 ± 0.0392	5.35 ± 0.54	0.162	98.9	-0.37
Total nitrogen	mg/l	2.59 ± 0.0647	2.56 ± 0.26	0.215	99	-0.12

Sample: N155ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.07 ± 0.0588	1.82 ± 0.18	0.207	87.7	-1.23

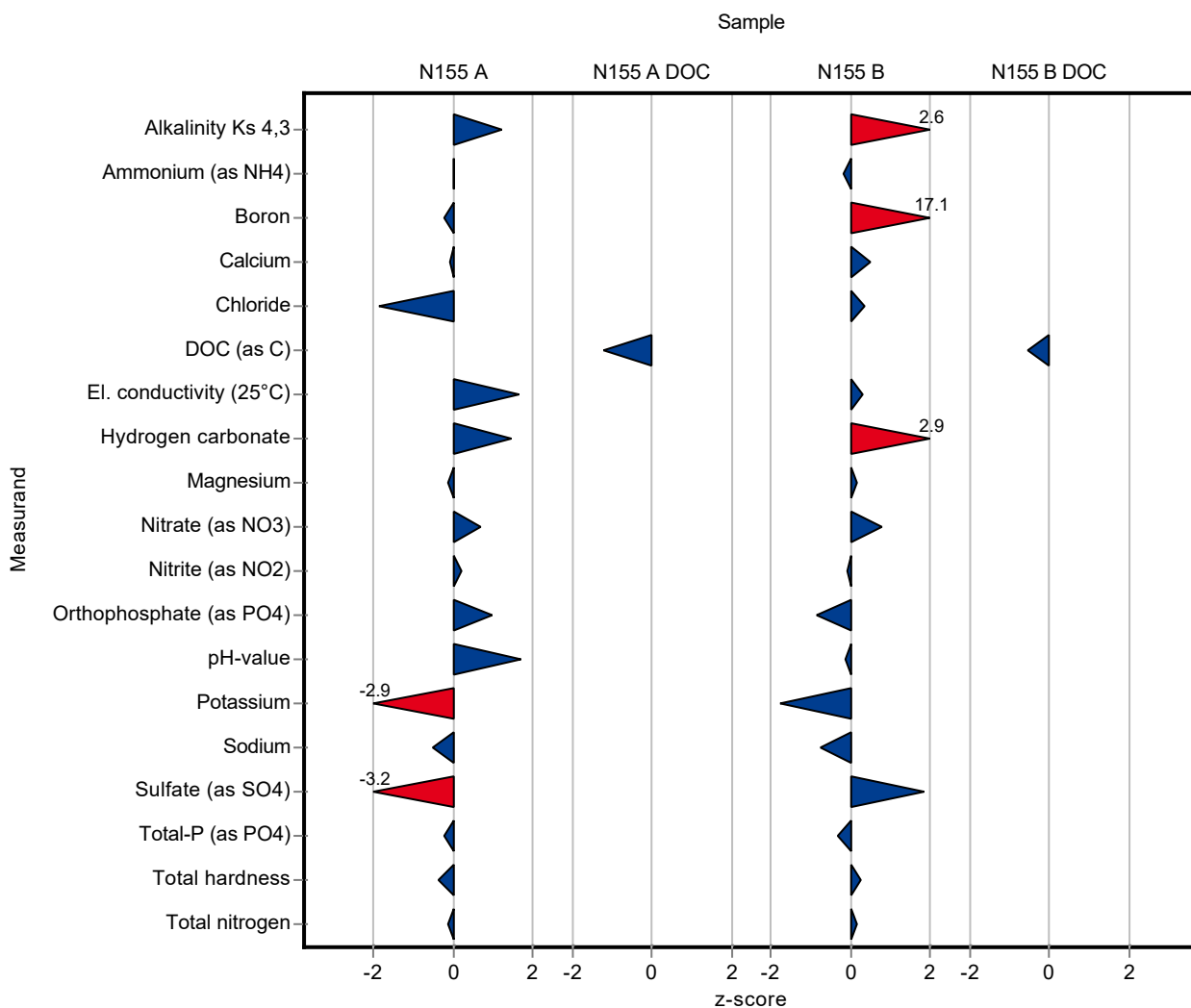
Sample: N155B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	3.11 ± 0.0171	3.27 ± 0.33	0.0622	105	2.58
Ammonium (as NH ₄)	mg/l	0.359 ± 0.00779	0.352 ± 0.0352	0.0431	98	-0.17
Boron	mg/l	0.0189 ± 0.000778	0.0545 ± 0.0054	0.00208	288	17.10
Calcium	mg/l	58.7 ± 0.681	59.6 ± 6	1.82	101	0.47

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Chloride	mg/l	44.2 ± 0.341	44.8 ± 4.5	1.77	101	0.35
El. conductivity (25°C)	µS/cm	517 ± 1.75	519 ± 52	6.72	100	0.29
Hydrogen carbonate	mg/l	189 ± 1.54	200 ± 20	3.78	106	2.90
Magnesium	mg/l	12.5 ± 0.185	12.6 ± 1.3	0.501	101	0.15
Nitrate (as NO ₃)	mg/l	20.1 ± 0.156	20.9 ± 2.1	1.01	104	0.78
Nitrite (as NO ₂)	mg/l	0.24 ± 0.00384	0.239 ± 0.024	0.0127	99.7	-0.06
Orthophosphate (as PO ₄)	mg/l	0.235 ± 0.00356	0.217 ± 0.022	0.0212	92.1	-0.87
pH-value	-	7.92 ± 0.0209	7.9 ± 0.2	0.158	99.7	-0.15
Potassium	mg/l	2.94 ± 0.0476	2.67 ± 0.27	0.153	90.8	-1.77
Sodium	mg/l	25.6 ± 0.277	24.9 ± 2.5	0.87	97.4	-0.78
Sulfate (as SO ₄)	mg/l	24.7 ± 0.31	26.2 ± 2.6	0.815	106	1.86
Total-P (as PO ₄)	mg/l	1.1 ± 0.0151	1.07 ± 0.21	0.0824	97.4	-0.34
Total hardness	mmol/l	2 ± 0.0126	2.01 ± 0.2	0.0599	101	0.23
Total nitrogen	mg/l	5.05 ± 0.0813	5.12 ± 0.51	0.42	101	0.16

Sample: N155BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	4.27 ± 0.0971	4.04 ± 0.4	0.427	94.7	-0.53



Sample: N155A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	7.28 ± 0.029	7.46 ± 0.75	0.146	102	0.12
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00275	0.0853 ± 0.00853	0.0102	99.9	0.00
Boron	mg/l	0.0534 ± 0.00214	0.052 ± 0.005	0.00588	97.3	-0.14
Calcium	mg/l	155 ± 2	155 ± 16	4.82	99.8	-0.01
Chloride	mg/l	85.1 ± 0.62	78.7 ± 7.9	3.4	92.5	-0.40
El. conductivity (25°C)	µS/cm	1080 ± 4.42	1102 ± 110	14	102	0.10
Hydrogen carbonate	mg/l	442 ± 1.46	455 ± 46	8.84	103	0.14
Magnesium	mg/l	36.2 ± 0.459	36 ± 3.6	1.45	99.5	-0.03
Nitrate (as NO ₃)	mg/l	10.7 ± 0.126	11.1 ± 1.1	0.537	103	0.16
Nitrite (as NO ₂)	mg/l	0.102 ± 0.00202	0.103 ± 0.01	0.00539	101	0.06
Orthophosphate (as PO ₄)	mg/l	0.0589 ± 0.00231	0.064 ± 0.006	0.0053	109	0.42
pH-value	-	7.73 ± 0.027	8 ± 0.24	0.155	103	0.56
Potassium	mg/l	2.4 ± 0.0526	2.04 ± 0.2	0.125	85.1	-0.89
Sodium	mg/l	21.5 ± 0.289	21.1 ± 2.1	0.73	98.2	-0.09
Sulfate (as SO ₄)	mg/l	94.2 ± 1.02	84.4 ± 8.4	3.11	89.6	-0.58
Total-P (as PO ₄)	mg/l	1.16 ± 0.0213	1.14 ± 0.23	0.0869	98.4	-0.04
Total hardness	mmol/l	5.41 ± 0.0392	5.35 ± 0.54	0.162	98.9	-0.06
Total nitrogen	mg/l	2.59 ± 0.0647	2.56 ± 0.26	0.215	99	-0.05

Sample: N155ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	2.07 ± 0.0588	1.82 ± 0.18	0.207	87.7	-0.70

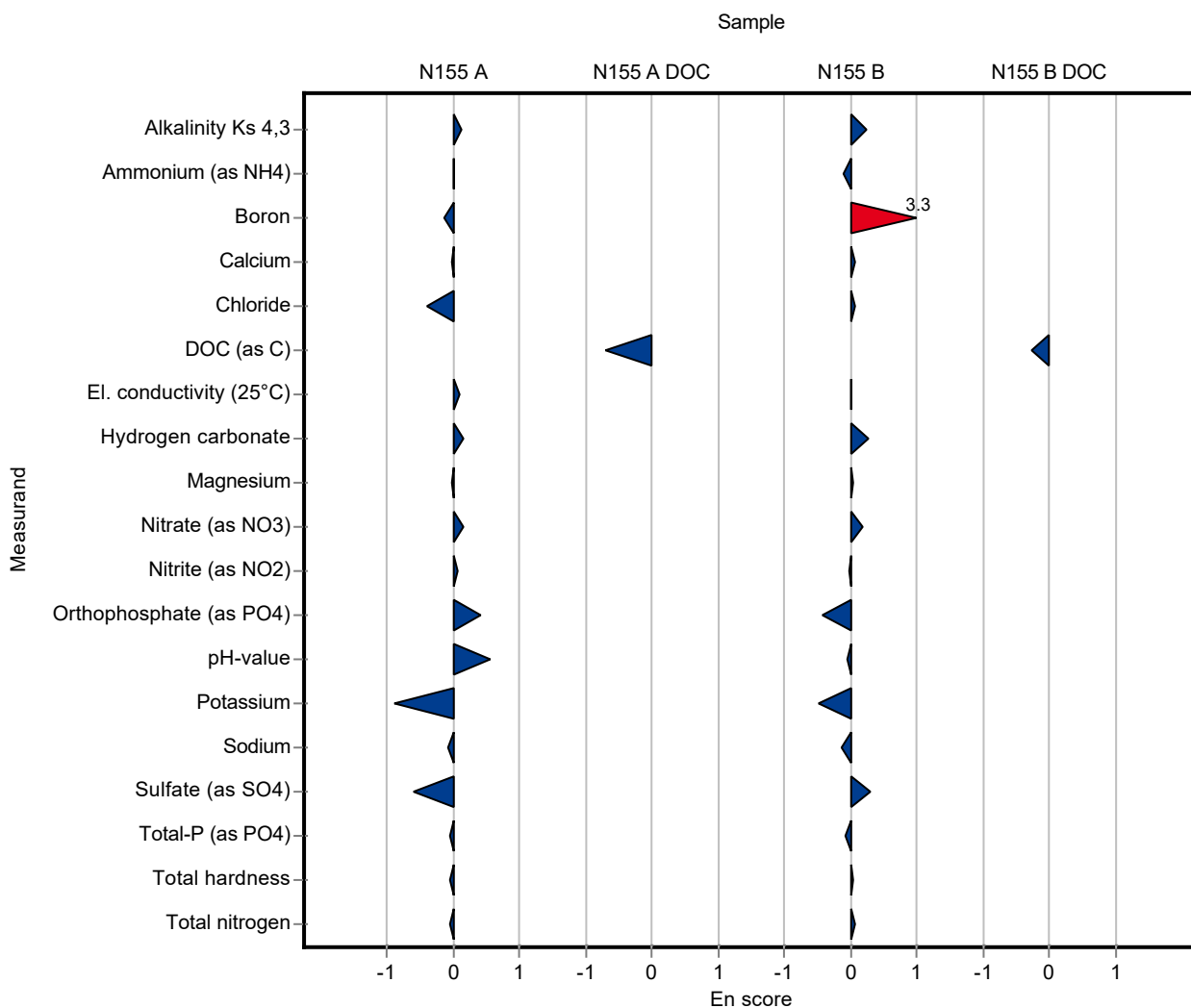
Sample: N155B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	3.11 ± 0.0171	3.27 ± 0.33	0.0622	105	0.24
Ammonium (as NH ₄)	mg/l	0.359 ± 0.00779	0.352 ± 0.0352	0.0431	98	-0.10
Boron	mg/l	0.0189 ± 0.000778	0.0545 ± 0.0054	0.00208	288	3.28
Calcium	mg/l	58.7 ± 0.681	59.6 ± 6	1.82	101	0.07

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Chloride	mg/l	44.2 ± 0.341	44.8 ± 4.5	1.77	101	0.07
El. conductivity (25°C)	µS/cm	517 ± 1.75	519 ± 52	6.72	100	0.02
Hydrogen carbonate	mg/l	189 ± 1.54	200 ± 20	3.78	106	0.27
Magnesium	mg/l	12.5 ± 0.185	12.6 ± 1.3	0.501	101	0.03
Nitrate (as NO ₃)	mg/l	20.1 ± 0.156	20.9 ± 2.1	1.01	104	0.19
Nitrite (as NO ₂)	mg/l	0.24 ± 0.00384	0.239 ± 0.024	0.0127	99.7	-0.02
Orthophosphate (as PO ₄)	mg/l	0.235 ± 0.00356	0.217 ± 0.022	0.0212	92.1	-0.42
pH-value	-	7.92 ± 0.0209	7.9 ± 0.2	0.158	99.7	-0.06
Potassium	mg/l	2.94 ± 0.0476	2.67 ± 0.27	0.153	90.8	-0.50
Sodium	mg/l	25.6 ± 0.277	24.9 ± 2.5	0.87	97.4	-0.14
Sulfate (as SO ₄)	mg/l	24.7 ± 0.31	26.2 ± 2.6	0.815	106	0.29
Total-P (as PO ₄)	mg/l	1.1 ± 0.0151	1.07 ± 0.21	0.0824	97.4	-0.07
Total hardness	mmol/l	2 ± 0.0126	2.01 ± 0.2	0.0599	101	0.03
Total nitrogen	mg/l	5.05 ± 0.0813	5.12 ± 0.51	0.42	101	0.06

Sample: N155BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	4.27 ± 0.0971	4.04 ± 0.4	0.427	94.7	-0.28



Sample: N155A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	7.28 ± 0.029	7.4 ± 0.1	0.146	102	0.80
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00275	0.083 ± 0.001	0.0102	97.2	-0.23
Boron	mg/l	0.0534 ± 0.00214	<0.05 (LOQ) ± -	0.00588	-	-
Calcium	mg/l	155 ± 2	165 ± 1.2	4.82	106	2.01
Chloride	mg/l	85.1 ± 0.62	81.06 ± 0.02	3.4	95.3	-1.17
El. conductivity (25°C)	µS/cm	1080 ± 4.42	1077 ± 0.1	14	99.8	-0.15
Hydrogen carbonate	mg/l	442 ± 1.46	448 ± 0.1	8.84	101	0.68
Magnesium	mg/l	36.2 ± 0.459	39.1 ± 0.89	1.45	108	2.01
Nitrate (as NO ₃)	mg/l	10.7 ± 0.126	9.91 ± 0.12	0.537	92.3	-1.55
Nitrite (as NO ₂)	mg/l	0.102 ± 0.00202	0.116 ± 0.0003	0.00539	114	2.64
Orthophosphate (as PO ₄)	mg/l	0.0589 ± 0.00231	0.065 ± 0.013	0.0053	110	1.16
pH-value	-	7.73 ± 0.027	7.9 ± 0.1	0.155	102	1.08
Potassium	mg/l	2.4 ± 0.0526	2.65 ± 0.04	0.125	111	2.03
Sodium	mg/l	21.5 ± 0.289	23.09 ± 0.01	0.73	107	2.20
Sulfate (as SO ₄)	mg/l	94.2 ± 1.02	88.4 ± 3.49	3.11	93.8	-1.88
Total-P (as PO ₄)	mg/l	1.16 ± 0.0213	1.2 ± 0.001	0.0869	104	0.48
Total hardness	mmol/l	5.41 ± 0.0392	5.51 ± 0.1	0.162	102	0.61
Total nitrogen	mg/l	2.59 ± 0.0647	3.71 ± 0.02	0.215	143	5.24

Sample: N155ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.07 ± 0.0588	3.71 ± 0.35	0.207	179	7.89

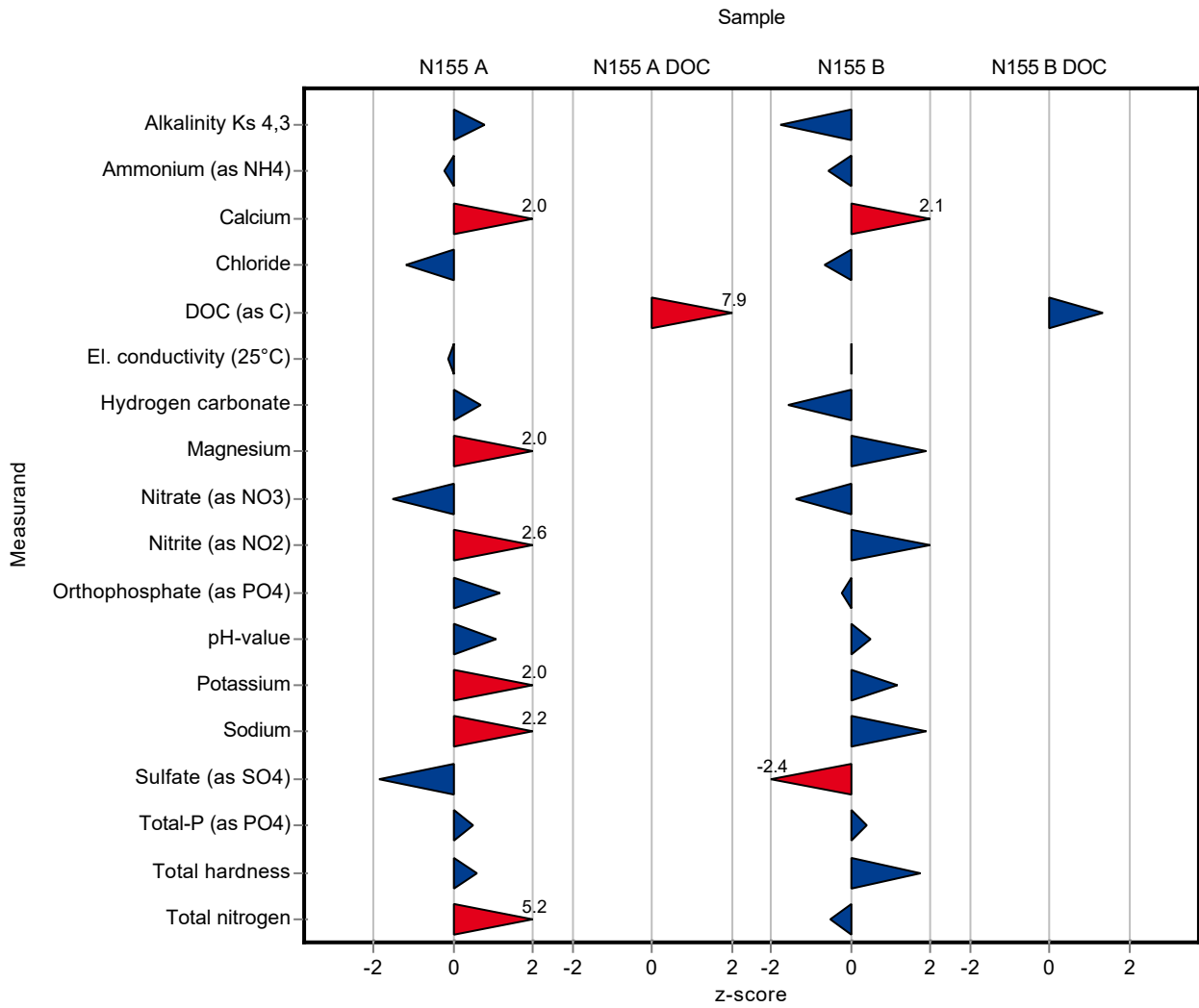
Sample: N155B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	3.11 ± 0.0171	3 ± 0.1	0.0622	96.5	-1.76
Ammonium (as NH ₄)	mg/l	0.359 ± 0.00779	0.335 ± 0.001	0.0431	93.3	-0.56
Boron	mg/l	0.0189 ± 0.000778	<0.05 (LOQ) ± -	0.00208	-	-
Calcium	mg/l	58.7 ± 0.681	62.6 ± 0.82	1.82	107	2.12

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Chloride	mg/l	44.2 ± 0.341	43.02 ± 2.34	1.77	97.4	-0.66
El. conductivity (25°C)	µS/cm	517 ± 1.75	517 ± 0.1	6.72	100	-0.01
Hydrogen carbonate	mg/l	189 ± 1.54	183 ± 0.1	3.78	96.8	-1.60
Magnesium	mg/l	12.5 ± 0.185	13.47 ± 0.2	0.501	108	1.89
Nitrate (as NO ₃)	mg/l	20.1 ± 0.156	18.71 ± 0.19	1.01	93	-1.40
Nitrite (as NO ₂)	mg/l	0.24 ± 0.00384	0.265 ± 0.0009	0.0127	111	1.98
Orthophosphate (as PO ₄)	mg/l	0.235 ± 0.00356	0.231 ± 0.008	0.0212	98.1	-0.21
pH-value	-	7.92 ± 0.0209	8 ± 0.1	0.158	101	0.48
Potassium	mg/l	2.94 ± 0.0476	3.12 ± 0.01	0.153	106	1.17
Sodium	mg/l	25.6 ± 0.277	27.21 ± 0.01	0.87	106	1.88
Sulfate (as SO ₄)	mg/l	24.7 ± 0.31	22.74 ± 0.2	0.815	92.1	-2.39
Total-P (as PO ₄)	mg/l	1.1 ± 0.0151	1.13 ± 0.001	0.0824	103	0.39
Total hardness	mmol/l	2 ± 0.0126	2.1 ± 0.1	0.0599	105	1.73
Total nitrogen	mg/l	5.05 ± 0.0813	4.84 ± 0.02	0.42	95.8	-0.51

Sample: N155BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	4.27 ± 0.0971	4.84 ± 0.55	0.427	113	1.35



Sample: N155A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	7.28 ± 0.029	7.4 ± 0.1	0.146	102	0.58
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00275	0.083 ± 0.001	0.0102	97.2	-0.69
Boron	mg/l	0.0534 ± 0.00214	<0.05 (LOQ) ± -	0.00588	-	-
Calcium	mg/l	155 ± 2	165 ± 1.2	4.82	106	3.10
Chloride	mg/l	85.1 ± 0.62	81.06 ± 0.02	3.4	95.3	-6.43
El. conductivity (25°C)	µS/cm	1080 ± 4.42	1077 ± 0.1	14	99.8	-0.47
Hydrogen carbonate	mg/l	442 ± 1.46	448 ± 0.1	8.84	101	4.06
Magnesium	mg/l	36.2 ± 0.459	39.1 ± 0.89	1.45	108	1.58
Nitrate (as NO ₃)	mg/l	10.7 ± 0.126	9.91 ± 0.12	0.537	92.3	-3.06
Nitrite (as NO ₂)	mg/l	0.102 ± 0.00202	0.116 ± 0.0003	0.00539	114	6.74
Orthophosphate (as PO ₄)	mg/l	0.0589 ± 0.00231	0.065 ± 0.013	0.0053	110	0.23
pH-value	-	7.73 ± 0.027	7.9 ± 0.1	0.155	102	0.83
Potassium	mg/l	2.4 ± 0.0526	2.65 ± 0.04	0.125	111	2.64
Sodium	mg/l	21.5 ± 0.289	23.09 ± 0.01	0.73	107	5.55
Sulfate (as SO ₄)	mg/l	94.2 ± 1.02	88.4 ± 3.49	3.11	93.8	-0.83
Total-P (as PO ₄)	mg/l	1.16 ± 0.0213	1.2 ± 0.001	0.0869	104	1.97
Total hardness	mmol/l	5.41 ± 0.0392	5.51 ± 0.1	0.162	102	0.49
Total nitrogen	mg/l	2.59 ± 0.0647	3.71 ± 0.02	0.215	143	14.80

Sample: N155ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	2.07 ± 0.0588	3.71 ± 0.35	0.207	179	2.33

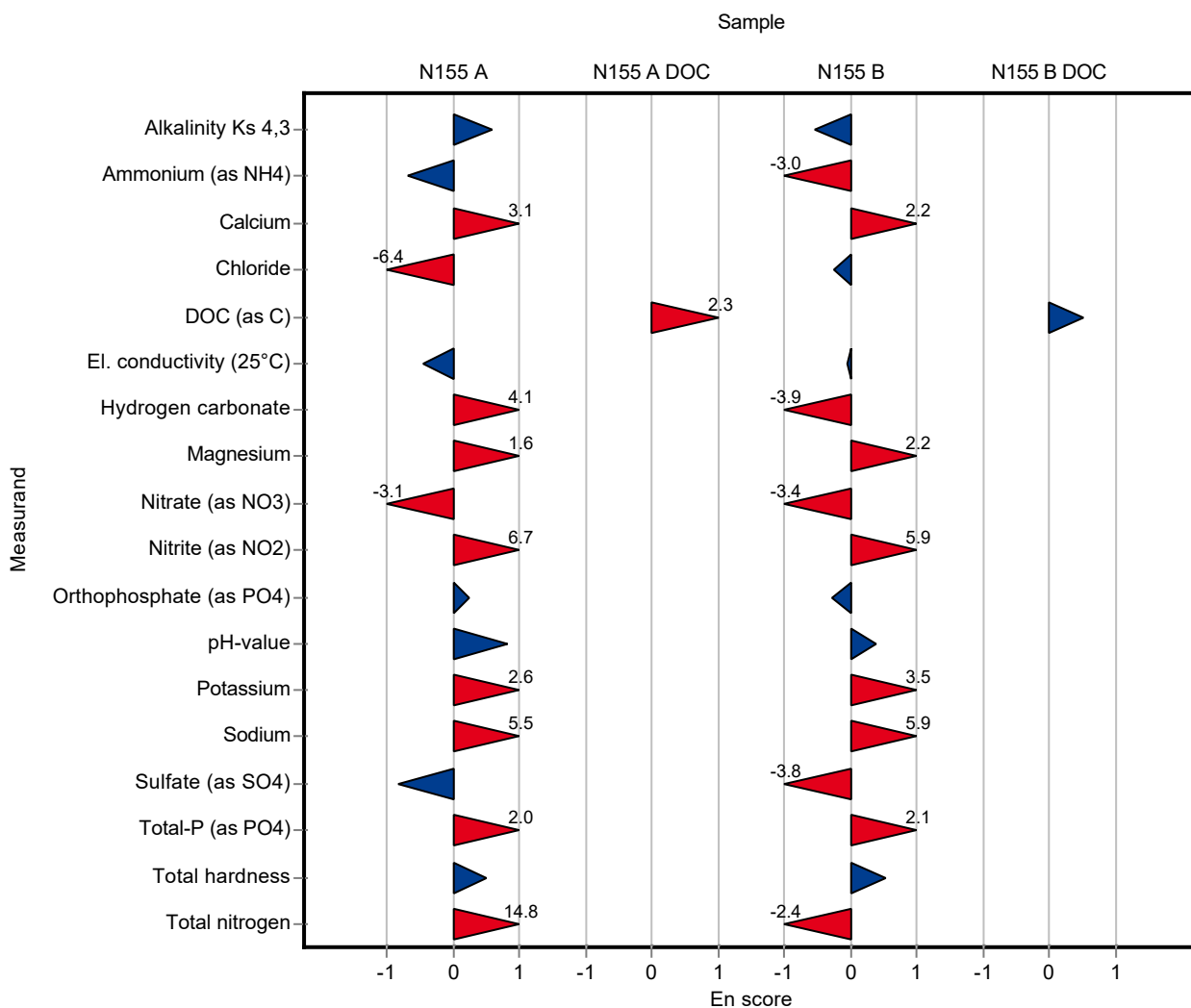
Sample: N155B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	3.11 ± 0.0171	3 ± 0.1	0.0622	96.5	-0.55
Ammonium (as NH ₄)	mg/l	0.359 ± 0.00779	0.335 ± 0.001	0.0431	93.3	-3.00
Boron	mg/l	0.0189 ± 0.000778	<0.05 (LOQ) ± -	0.00208	-	-
Calcium	mg/l	58.7 ± 0.681	62.6 ± 0.82	1.82	107	2.17

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Chloride	mg/l	44.2 ± 0.341	43.02 ± 2.34	1.77	97.4	-0.25
El. conductivity (25°C)	µS/cm	517 ± 1.75	517 ± 0.1	6.72	100	-0.04
Hydrogen carbonate	mg/l	189 ± 1.54	183 ± 0.1	3.78	96.8	-3.89
Magnesium	mg/l	12.5 ± 0.185	13.47 ± 0.2	0.501	108	2.15
Nitrate (as NO ₃)	mg/l	20.1 ± 0.156	18.71 ± 0.19	1.01	93	-3.42
Nitrite (as NO ₂)	mg/l	0.24 ± 0.00384	0.265 ± 0.0009	0.0127	111	5.95
Orthophosphate (as PO ₄)	mg/l	0.235 ± 0.00356	0.231 ± 0.008	0.0212	98.1	-0.27
pH-value	-	7.92 ± 0.0209	8 ± 0.1	0.158	101	0.38
Potassium	mg/l	2.94 ± 0.0476	3.12 ± 0.01	0.153	106	3.48
Sodium	mg/l	25.6 ± 0.277	27.21 ± 0.01	0.87	106	5.88
Sulfate (as SO ₄)	mg/l	24.7 ± 0.31	22.74 ± 0.2	0.815	92.1	-3.84
Total-P (as PO ₄)	mg/l	1.1 ± 0.0151	1.13 ± 0.001	0.0824	103	2.10
Total hardness	mmol/l	2 ± 0.0126	2.1 ± 0.1	0.0599	105	0.52
Total nitrogen	mg/l	5.05 ± 0.0813	4.84 ± 0.02	0.42	95.8	-2.37

Sample: N155BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	4.27 ± 0.0971	4.84 ± 0.55	0.427	113	0.52



Sample: N155A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	7.28 ± 0.029	7.34 ± 0.73	0.146	101	0.39
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00275	0.082 ± 0.008	0.0102	96.1	-0.33
Boron	mg/l	0.0534 ± 0.00214	0.0569 ± 0.006	0.00588	106	0.59
Calcium	mg/l	155 ± 2	155.075 ± 15	4.82	99.8	-0.05
Chloride	mg/l	85.1 ± 0.62	85.081 ± 8.5	3.4	100	0.01
El. conductivity (25°C)	µS/cm	1080 ± 4.42	1082 ± 4.51	14	100	0.21
Hydrogen carbonate	mg/l	442 ± 1.46	444.763 ± 44.5	8.84	101	0.31
Magnesium	mg/l	36.2 ± 0.459	36.296 ± 3.6	1.45	100	0.08
Nitrate (as NO ₃)	mg/l	10.7 ± 0.126	10.782 ± 1.1	0.537	100	0.08
Nitrite (as NO ₂)	mg/l	0.102 ± 0.00202	0.102 ± 0.01	0.00539	100	0.04
Orthophosphate (as PO ₄)	mg/l	0.0589 ± 0.00231	0.06 ± 0.006	0.0053	102	0.21
pH-value	-	7.73 ± 0.027	7.95 ± 0.1	0.155	103	1.40
Potassium	mg/l	2.4 ± 0.0526	2.385 ± 0.24	0.125	99.5	-0.10
Sodium	mg/l	21.5 ± 0.289	21.011 ± 2.1	0.73	97.8	-0.64
Sulfate (as SO ₄)	mg/l	94.2 ± 1.02	95.646 ± 9.5	3.11	101	0.45
Total-P (as PO ₄)	mg/l	1.16 ± 0.0213	1.111 ± 0.11	0.0869	95.9	-0.54
Total hardness	mmol/l	5.41 ± 0.0392	5.362 ± 0.5	0.162	99.1	-0.30
Total nitrogen	mg/l	2.59 ± 0.0647	2.5 ± 0.25	0.215	96.7	-0.40

Sample: N155ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.07 ± 0.0588	2.04 ± 0.2	0.207	98.4	-0.16

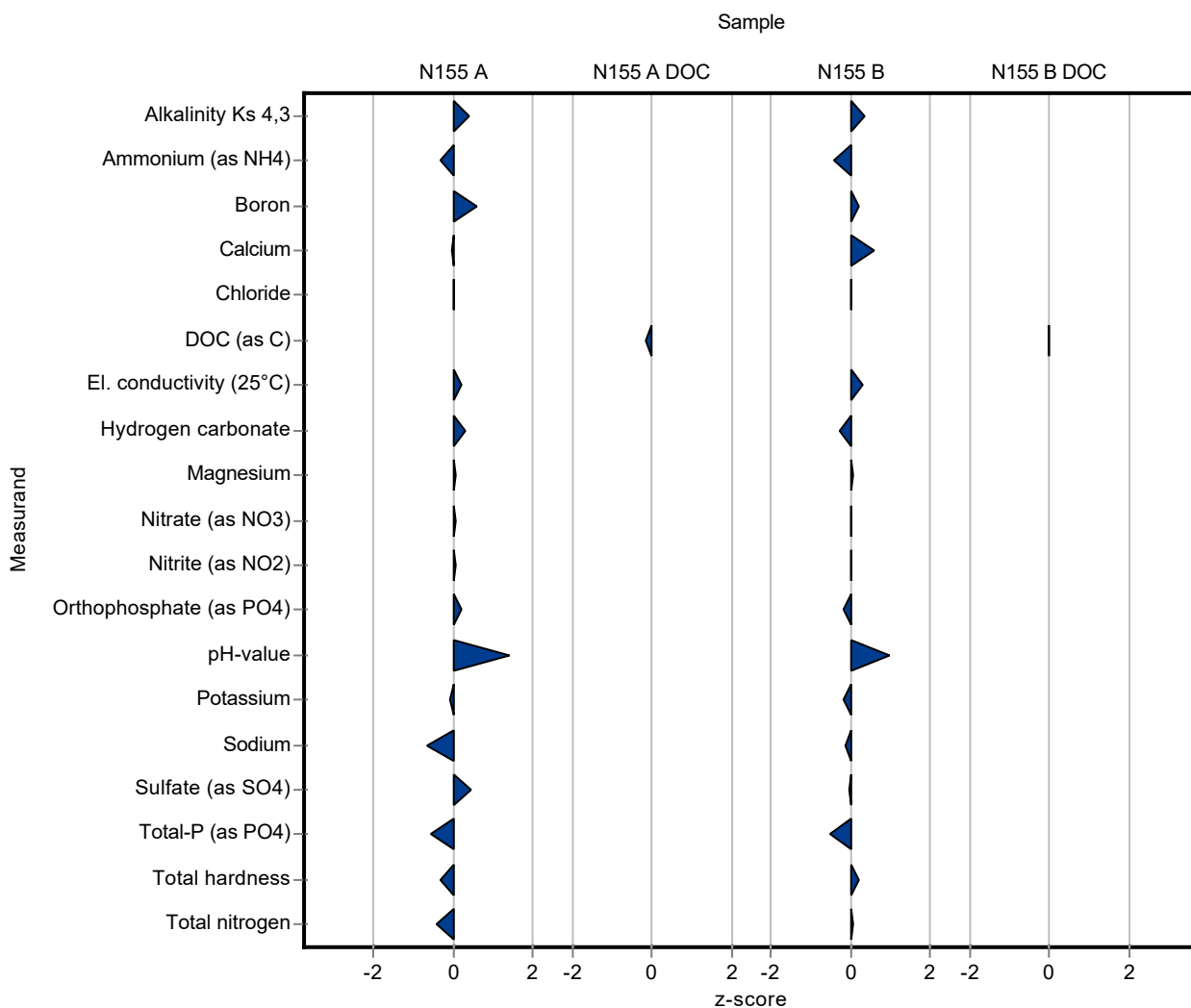
Sample: N155B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	3.11 ± 0.0171	3.13 ± 0.31	0.0622	101	0.33
Ammonium (as NH ₄)	mg/l	0.359 ± 0.00779	0.341 ± 0.03	0.0431	94.9	-0.42
Boron	mg/l	0.0189 ± 0.000778	0.0194 ± 0.002	0.00208	102	0.22
Calcium	mg/l	58.7 ± 0.681	59.842 ± 6	1.82	102	0.61

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Chloride	mg/l	44.2 ± 0.341	44.196 ± 4.4	1.77	100	0.01
El. conductivity (25°C)	µS/cm	517 ± 1.75	519 ± 4.51	6.72	100	0.29
Hydrogen carbonate	mg/l	189 ± 1.54	187.911 ± 19	3.78	99.4	-0.30
Magnesium	mg/l	12.5 ± 0.185	12.553 ± 1.2	0.501	100	0.06
Nitrate (as NO ₃)	mg/l	20.1 ± 0.156	20.114 ± 2	1.01	100	0.00
Nitrite (as NO ₂)	mg/l	0.24 ± 0.00384	0.24 ± 0.024	0.0127	100	0.02
Orthophosphate (as PO ₄)	mg/l	0.235 ± 0.00356	0.232 ± 0.022	0.0212	98.5	-0.17
pH-value	-	7.92 ± 0.0209	8.08 ± 0.1	0.158	102	0.98
Potassium	mg/l	2.94 ± 0.0476	2.916 ± 2.9	0.153	99.2	-0.16
Sodium	mg/l	25.6 ± 0.277	25.456 ± 2.5	0.87	99.5	-0.14
Sulfate (as SO ₄)	mg/l	24.7 ± 0.31	24.648 ± 2.4	0.815	99.8	-0.05
Total-P (as PO ₄)	mg/l	1.1 ± 0.0151	1.056 ± 0.11	0.0824	96.2	-0.51
Total hardness	mmol/l	2 ± 0.0126	2.009 ± 0.2	0.0599	101	0.21
Total nitrogen	mg/l	5.05 ± 0.0813	5.08 ± 0.5	0.42	101	0.06

Sample: N155BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	4.27 ± 0.0971	4.26 ± 0.4	0.427	99.9	-0.01



Sample: N155A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	7.28 ± 0.029	7.34 ± 0.73	0.146	101	0.04
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00275	0.082 ± 0.008	0.0102	96.1	-0.21
Boron	mg/l	0.0534 ± 0.00214	0.0569 ± 0.006	0.00588	106	0.28
Calcium	mg/l	155 ± 2	155.075 ± 15	4.82	99.8	-0.01
Chloride	mg/l	85.1 ± 0.62	85.081 ± 8.5	3.4	100	0.00
El. conductivity (25°C)	µS/cm	1080 ± 4.42	1082 ± 4.51	14	100	0.29
Hydrogen carbonate	mg/l	442 ± 1.46	444.763 ± 44.5	8.84	101	0.03
Magnesium	mg/l	36.2 ± 0.459	36.296 ± 3.6	1.45	100	0.02
Nitrate (as NO ₃)	mg/l	10.7 ± 0.126	10.782 ± 1.1	0.537	100	0.02
Nitrite (as NO ₂)	mg/l	0.102 ± 0.00202	0.102 ± 0.01	0.00539	100	0.01
Orthophosphate (as PO ₄)	mg/l	0.0589 ± 0.00231	0.06 ± 0.006	0.0053	102	0.09
pH-value	-	7.73 ± 0.027	7.95 ± 0.1	0.155	103	1.08
Potassium	mg/l	2.4 ± 0.0526	2.385 ± 0.24	0.125	99.5	-0.03
Sodium	mg/l	21.5 ± 0.289	21.011 ± 2.1	0.73	97.8	-0.11
Sulfate (as SO ₄)	mg/l	94.2 ± 1.02	95.646 ± 9.5	3.11	101	0.07
Total-P (as PO ₄)	mg/l	1.16 ± 0.0213	1.111 ± 0.11	0.0869	95.9	-0.21
Total hardness	mmol/l	5.41 ± 0.0392	5.362 ± 0.5	0.162	99.1	-0.05
Total nitrogen	mg/l	2.59 ± 0.0647	2.5 ± 0.25	0.215	96.7	-0.17

Sample: N155ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	2.07 ± 0.0588	2.04 ± 0.2	0.207	98.4	-0.08

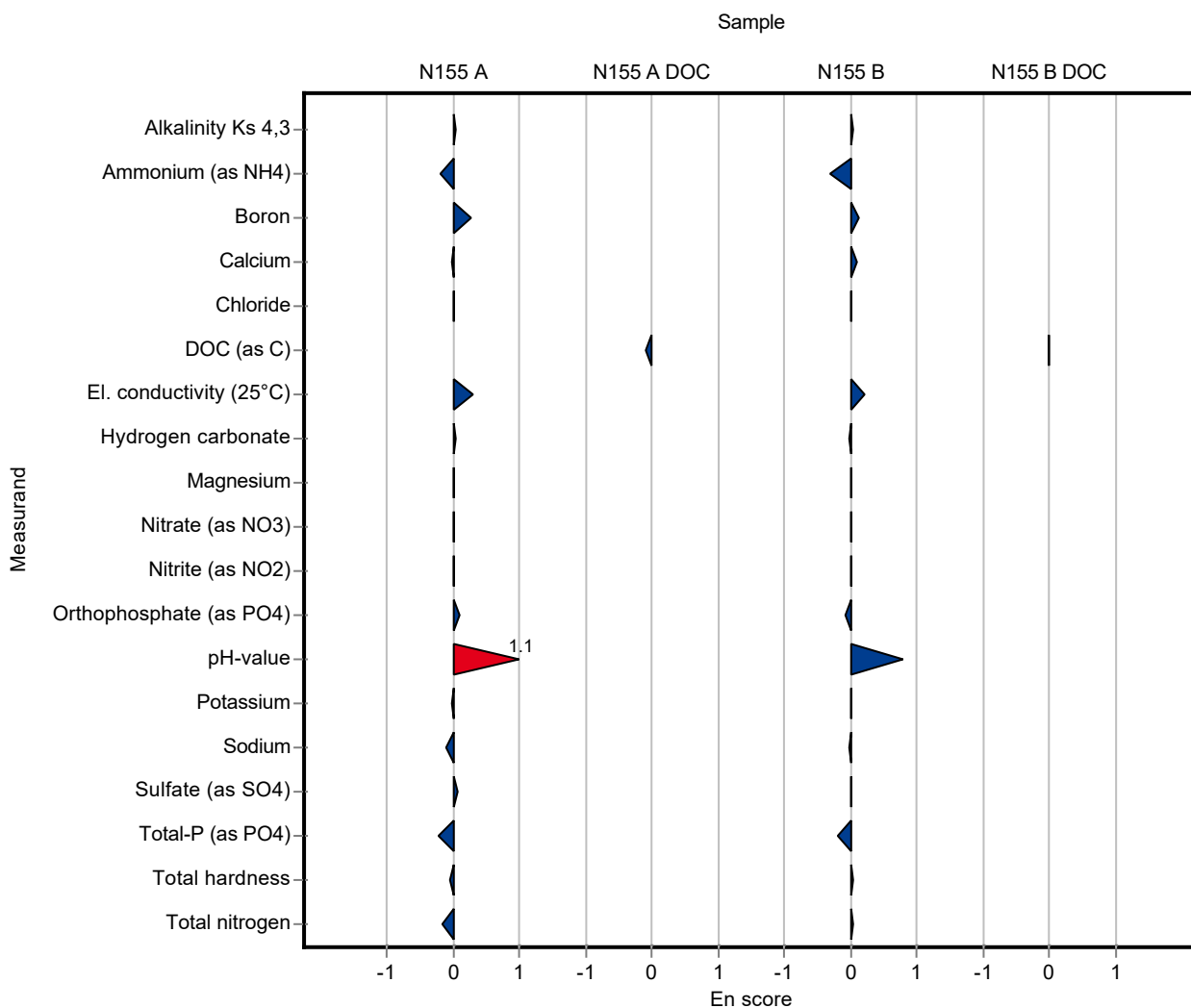
Sample: N155B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	3.11 ± 0.0171	3.13 ± 0.31	0.0622	101	0.03
Ammonium (as NH ₄)	mg/l	0.359 ± 0.00779	0.341 ± 0.03	0.0431	94.9	-0.30
Boron	mg/l	0.0189 ± 0.000778	0.0194 ± 0.002	0.00208	102	0.11
Calcium	mg/l	58.7 ± 0.681	59.842 ± 6	1.82	102	0.09

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Chloride	mg/l	44.2 ± 0.341	44.196 ± 4.4	1.77	100	0.00
El. conductivity (25°C)	µS/cm	517 ± 1.75	519 ± 4.51	6.72	100	0.21
Hydrogen carbonate	mg/l	189 ± 1.54	187.911 ± 19	3.78	99.4	-0.03
Magnesium	mg/l	12.5 ± 0.185	12.553 ± 1.2	0.501	100	0.01
Nitrate (as NO ₃)	mg/l	20.1 ± 0.156	20.114 ± 2	1.01	100	0.00
Nitrite (as NO ₂)	mg/l	0.24 ± 0.00384	0.24 ± 0.024	0.0127	100	0.00
Orthophosphate (as PO ₄)	mg/l	0.235 ± 0.00356	0.232 ± 0.022	0.0212	98.5	-0.08
pH-value	-	7.92 ± 0.0209	8.08 ± 0.1	0.158	102	0.78
Potassium	mg/l	2.94 ± 0.0476	2.916 ± 2.9	0.153	99.2	0.00
Sodium	mg/l	25.6 ± 0.277	25.456 ± 2.5	0.87	99.5	-0.02
Sulfate (as SO ₄)	mg/l	24.7 ± 0.31	24.648 ± 2.4	0.815	99.8	-0.01
Total-P (as PO ₄)	mg/l	1.1 ± 0.0151	1.056 ± 0.11	0.0824	96.2	-0.19
Total hardness	mmol/l	2 ± 0.0126	2.009 ± 0.2	0.0599	101	0.03
Total nitrogen	mg/l	5.05 ± 0.0813	5.08 ± 0.5	0.42	101	0.03

Sample: N155BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	4.27 ± 0.0971	4.26 ± 0.4	0.427	99.9	-0.01



Sample: N155A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	7.28 ± 0.029	7.11 ± 0.36	0.146	97.6	-1.19
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00275	- ± -	0.0102	-	-
Boron	mg/l	0.0534 ± 0.00214	- ± -	0.00588	-	-
Calcium	mg/l	155 ± 2	- ± -	4.82	-	-
Chloride	mg/l	85.1 ± 0.62	- ± -	3.4	-	-
El. conductivity (25°C)	µS/cm	1080 ± 4.42	1081 ± 32	14	100	0.14
Hydrogen carbonate	mg/l	442 ± 1.46	- ± -	8.84	-	-
Magnesium	mg/l	36.2 ± 0.459	- ± -	1.45	-	-
Nitrate (as NO ₃)	mg/l	10.7 ± 0.126	- ± -	0.537	-	-
Nitrite (as NO ₂)	mg/l	0.102 ± 0.00202	- ± -	0.00539	-	-
Orthophosphate (as PO ₄)	mg/l	0.0589 ± 0.00231	- ± -	0.0053	-	-
pH-value	-	7.73 ± 0.027	7.75 ± 0.23	0.155	100	0.11
Potassium	mg/l	2.4 ± 0.0526	- ± -	0.125	-	-
Sodium	mg/l	21.5 ± 0.289	- ± -	0.73	-	-
Sulfate (as SO ₄)	mg/l	94.2 ± 1.02	- ± -	3.11	-	-
Total-P (as PO ₄)	mg/l	1.16 ± 0.0213	- ± -	0.0869	-	-
Total hardness	mmol/l	5.41 ± 0.0392	- ± -	0.162	-	-
Total nitrogen	mg/l	2.59 ± 0.0647	- ± -	0.215	-	-

Sample: N155ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.07 ± 0.0588	1.75 ± 0.14	0.207	84.4	-1.56

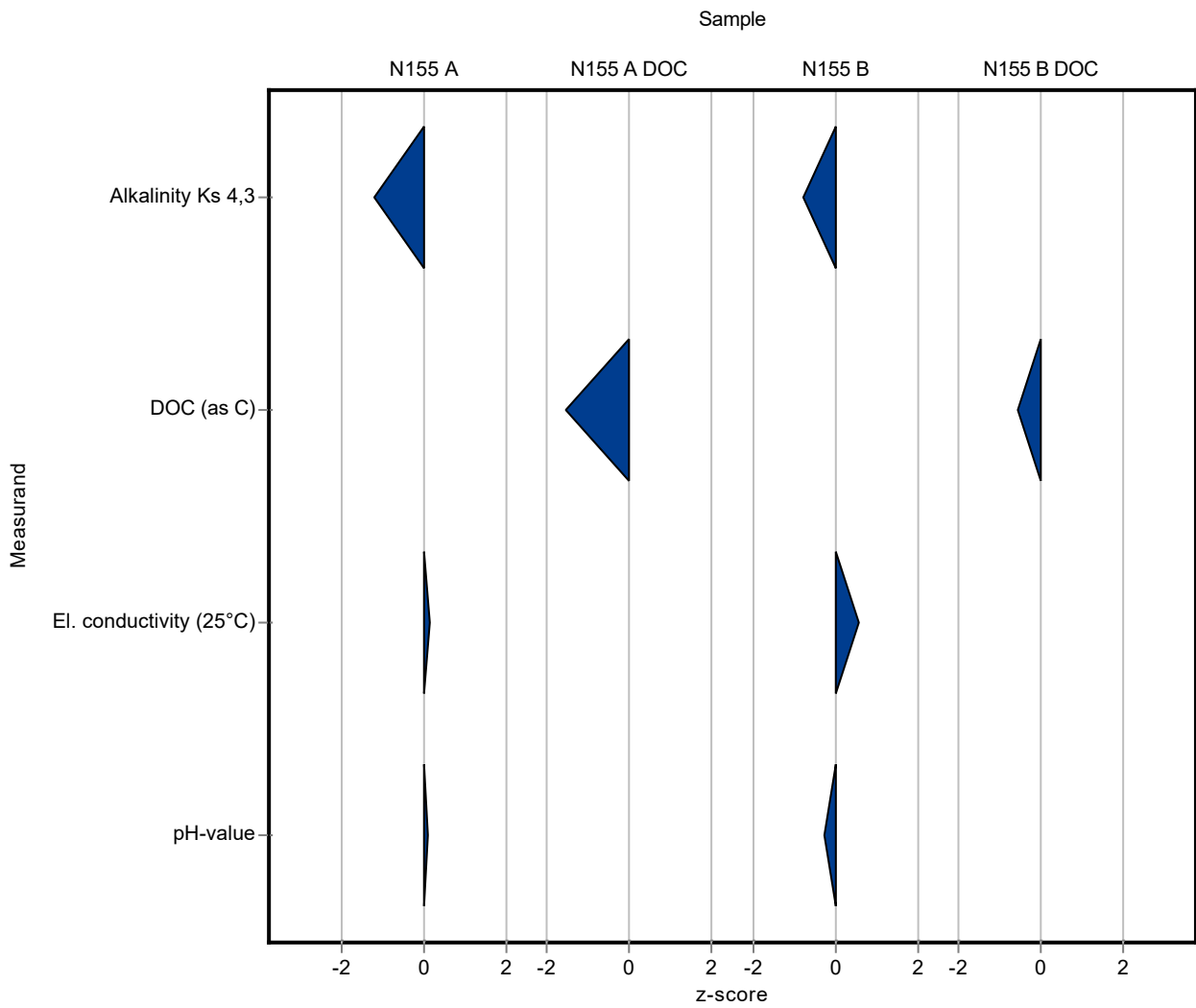
Sample: N155B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	3.11 ± 0.0171	3.06 ± 0.15	0.0622	98.4	-0.79
Ammonium (as NH ₄)	mg/l	0.359 ± 0.00779	- ± -	0.0431	-	-
Boron	mg/l	0.0189 ± 0.000778	- ± -	0.00208	-	-
Calcium	mg/l	58.7 ± 0.681	- ± -	1.82	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Chloride	mg/l	44.2 ± 0.341	- ± -	1.77	-	-
El. conductivity (25°C)	µS/cm	517 ± 1.75	521 ± 16	6.72	101	0.58
Hydrogen carbonate	mg/l	189 ± 1.54	- ± -	3.78	-	-
Magnesium	mg/l	12.5 ± 0.185	- ± -	0.501	-	-
Nitrate (as NO ₃)	mg/l	20.1 ± 0.156	- ± -	1.01	-	-
Nitrite (as NO ₂)	mg/l	0.24 ± 0.00384	- ± -	0.0127	-	-
Orthophosphate (as PO ₄)	mg/l	0.235 ± 0.00356	- ± -	0.0212	-	-
pH-value	-	7.92 ± 0.0209	7.88 ± 0.24	0.158	99.4	-0.28
Potassium	mg/l	2.94 ± 0.0476	- ± -	0.153	-	-
Sodium	mg/l	25.6 ± 0.277	- ± -	0.87	-	-
Sulfate (as SO ₄)	mg/l	24.7 ± 0.31	- ± -	0.815	-	-
Total-P (as PO ₄)	mg/l	1.1 ± 0.0151	- ± -	0.0824	-	-
Total hardness	mmol/l	2 ± 0.0126	- ± -	0.0599	-	-
Total nitrogen	mg/l	5.05 ± 0.0813	- ± -	0.42	-	-

Sample: N155BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	4.27 ± 0.0971	4.02 ± 0.32	0.427	94.2	-0.58



Sample: N155A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	7.28 ± 0.029	7.11 ± 0.36	0.146	97.6	-0.24
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00275	- ± -	0.0102	-	-
Boron	mg/l	0.0534 ± 0.00214	- ± -	0.00588	-	-
Calcium	mg/l	155 ± 2	- ± -	4.82	-	-
Chloride	mg/l	85.1 ± 0.62	- ± -	3.4	-	-
El. conductivity (25°C)	µS/cm	1080 ± 4.42	1081 ± 32	14	100	0.03
Hydrogen carbonate	mg/l	442 ± 1.46	- ± -	8.84	-	-
Magnesium	mg/l	36.2 ± 0.459	- ± -	1.45	-	-
Nitrate (as NO ₃)	mg/l	10.7 ± 0.126	- ± -	0.537	-	-
Nitrite (as NO ₂)	mg/l	0.102 ± 0.00202	- ± -	0.00539	-	-
Orthophosphate (as PO ₄)	mg/l	0.0589 ± 0.00231	- ± -	0.0053	-	-
pH-value	-	7.73 ± 0.027	7.75 ± 0.23	0.155	100	0.04
Potassium	mg/l	2.4 ± 0.0526	- ± -	0.125	-	-
Sodium	mg/l	21.5 ± 0.289	- ± -	0.73	-	-
Sulfate (as SO ₄)	mg/l	94.2 ± 1.02	- ± -	3.11	-	-
Total-P (as PO ₄)	mg/l	1.16 ± 0.0213	- ± -	0.0869	-	-
Total hardness	mmol/l	5.41 ± 0.0392	- ± -	0.162	-	-
Total nitrogen	mg/l	2.59 ± 0.0647	- ± -	0.215	-	-

Sample: N155ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	2.07 ± 0.0588	1.75 ± 0.14	0.207	84.4	-1.13

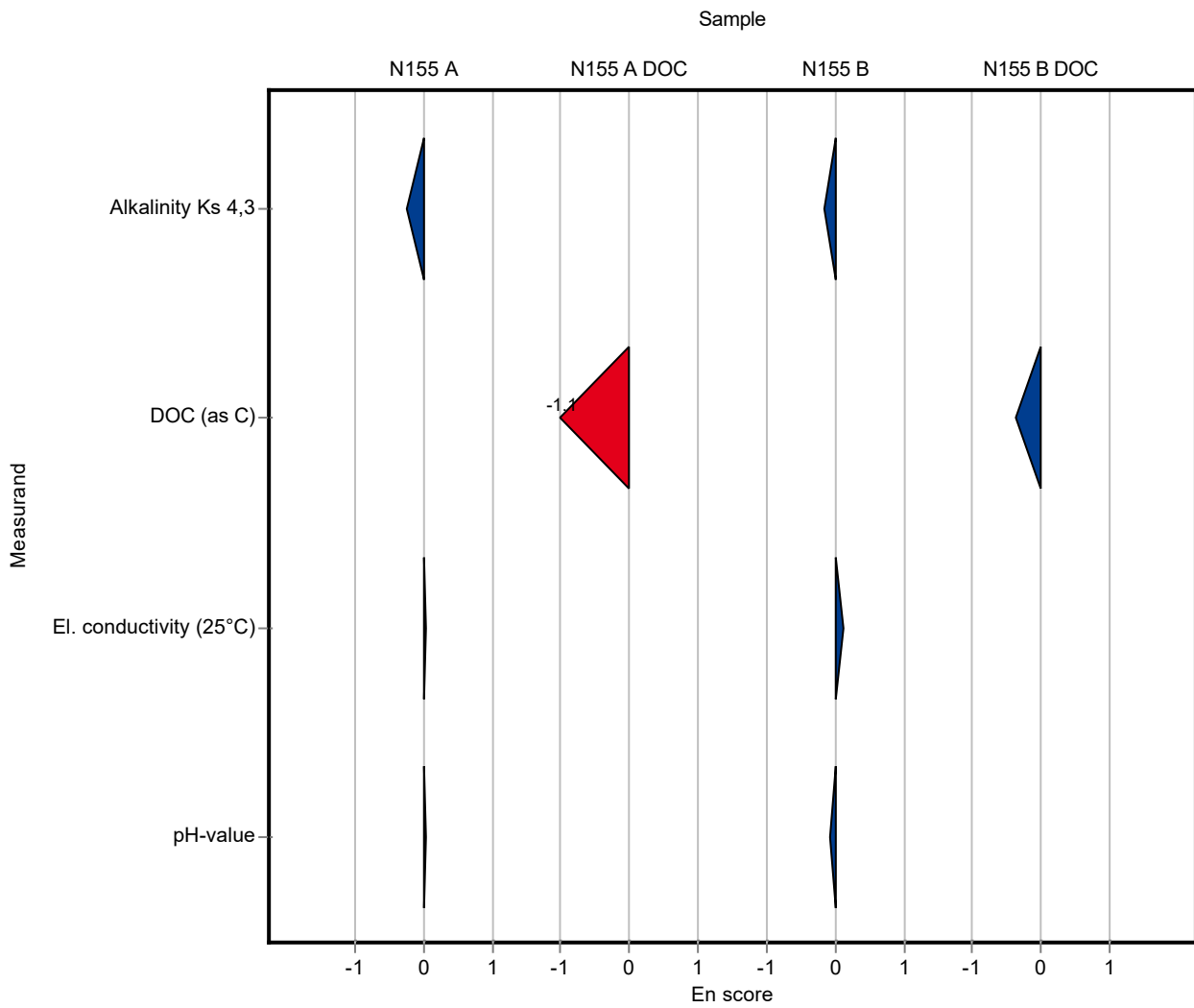
Sample: N155B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	3.11 ± 0.0171	3.06 ± 0.15	0.0622	98.4	-0.16
Ammonium (as NH ₄)	mg/l	0.359 ± 0.00779	- ± -	0.0431	-	-
Boron	mg/l	0.0189 ± 0.000778	- ± -	0.00208	-	-
Calcium	mg/l	58.7 ± 0.681	- ± -	1.82	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Chloride	mg/l	44.2 ± 0.341	- ± -	1.77	-	-
El. conductivity (25°C)	µS/cm	517 ± 1.75	521 ± 16	6.72	101	0.12
Hydrogen carbonate	mg/l	189 ± 1.54	- ± -	3.78	-	-
Magnesium	mg/l	12.5 ± 0.185	- ± -	0.501	-	-
Nitrate (as NO ₃)	mg/l	20.1 ± 0.156	- ± -	1.01	-	-
Nitrite (as NO ₂)	mg/l	0.24 ± 0.00384	- ± -	0.0127	-	-
Orthophosphate (as PO ₄)	mg/l	0.235 ± 0.00356	- ± -	0.0212	-	-
pH-value	-	7.92 ± 0.0209	7.88 ± 0.24	0.158	99.4	-0.09
Potassium	mg/l	2.94 ± 0.0476	- ± -	0.153	-	-
Sodium	mg/l	25.6 ± 0.277	- ± -	0.87	-	-
Sulfate (as SO ₄)	mg/l	24.7 ± 0.31	- ± -	0.815	-	-
Total-P (as PO ₄)	mg/l	1.1 ± 0.0151	- ± -	0.0824	-	-
Total hardness	mmol/l	2 ± 0.0126	- ± -	0.0599	-	-
Total nitrogen	mg/l	5.05 ± 0.0813	- ± -	0.42	-	-

Sample: N155BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	4.27 ± 0.0971	4.02 ± 0.32	0.427	94.2	-0.38



Sample: N155A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	7.28 ± 0.029	- ± -	0.146	-	-
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00275	0.132 ± 0.0056	0.0102	155	4.55
Boron	mg/l	0.0534 ± 0.00214	- ± -	0.00588	-	-
Calcium	mg/l	155 ± 2	158 ± 5.4	4.82	102	0.56
Chloride	mg/l	85.1 ± 0.62	85.3 ± 5.24	3.4	100	0.07
El. conductivity (25°C)	µS/cm	1080 ± 4.42	1082 ± 26.6	14	100	0.21
Hydrogen carbonate	mg/l	442 ± 1.46	- ± -	8.84	-	-
Magnesium	mg/l	36.2 ± 0.459	38.4 ± 2.36	1.45	106	1.53
Nitrate (as NO ₃)	mg/l	10.7 ± 0.126	11.1 ± 0.155	0.537	103	0.67
Nitrite (as NO ₂)	mg/l	0.102 ± 0.00202	0.107 ± 0.007	0.00539	105	0.97
Orthophosphate (as PO ₄)	mg/l	0.0589 ± 0.00231	0.0705 ± 0.00536	0.0053	120	2.19
pH-value	-	7.73 ± 0.027	7.65 ± 0.116	0.155	98.9	-0.54
Potassium	mg/l	2.4 ± 0.0526	2.4 ± 1.14	0.125	100	0.02
Sodium	mg/l	21.5 ± 0.289	21.2 ± 3.88	0.73	98.7	-0.39
Sulfate (as SO ₄)	mg/l	94.2 ± 1.02	90.8 ± 7.75	3.11	96.3	-1.11
Total-P (as PO ₄)	mg/l	1.16 ± 0.0213	- ± -	0.0869	-	-
Total hardness	mmol/l	5.41 ± 0.0392	- ± -	0.162	-	-
Total nitrogen	mg/l	2.59 ± 0.0647	- ± -	0.215	-	-

Sample: N155ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.07 ± 0.0588	2.46 ± 0.2	0.207	119	1.86

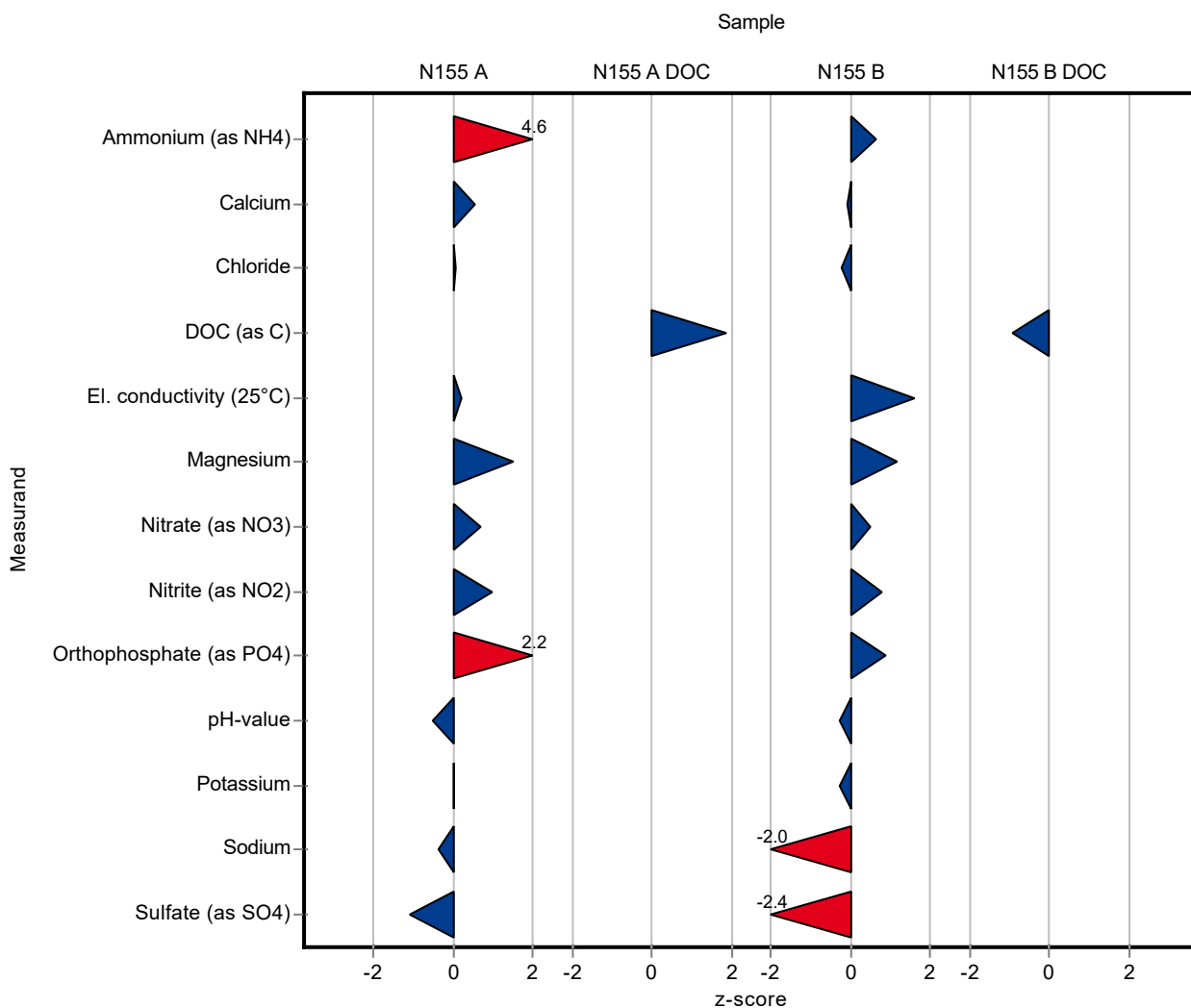
Sample: N155B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	3.11 ± 0.0171	- ± -	0.0622	-	-
Ammonium (as NH ₄)	mg/l	0.359 ± 0.00779	0.387 ± 0.0163	0.0431	108	0.65
Boron	mg/l	0.0189 ± 0.000778	- ± -	0.00208	-	-
Calcium	mg/l	58.7 ± 0.681	58.6 ± 2	1.82	99.8	-0.08

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Chloride	mg/l	44.2 ± 0.341	43.8 ± 2.69	1.77	99.1	-0.22
El. conductivity (25°C)	µS/cm	517 ± 1.75	528 ± 13	6.72	102	1.63
Hydrogen carbonate	mg/l	189 ± 1.54	- ± -	3.78	-	-
Magnesium	mg/l	12.5 ± 0.185	13.1 ± 0.804	0.501	105	1.15
Nitrate (as NO ₃)	mg/l	20.1 ± 0.156	20.6 ± 0.288	1.01	102	0.48
Nitrite (as NO ₂)	mg/l	0.24 ± 0.00384	0.25 ± 0.0165	0.0127	104	0.80
Orthophosphate (as PO ₄)	mg/l	0.235 ± 0.00356	0.254 ± 0.0193	0.0212	108	0.87
pH-value	-	7.92 ± 0.0209	7.88 ± 0.12	0.158	99.4	-0.28
Potassium	mg/l	2.94 ± 0.0476	2.9 ± 1.38	0.153	98.6	-0.27
Sodium	mg/l	25.6 ± 0.277	23.8 ± 4.35	0.87	93.1	-2.04
Sulfate (as SO ₄)	mg/l	24.7 ± 0.31	22.7 ± 1.94	0.815	92	-2.44
Total-P (as PO ₄)	mg/l	1.1 ± 0.0151	- ± -	0.0824	-	-
Total hardness	mmol/l	2 ± 0.0126	- ± -	0.0599	-	-
Total nitrogen	mg/l	5.05 ± 0.0813	- ± -	0.42	-	-

Sample: N155BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	4.27 ± 0.0971	3.86 ± 0.2	0.427	90.5	-0.95



Sample: N155A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	7.28 ± 0.029	- ± -	0.146	-	-
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00275	0.132 ± 0.0056	0.0102	155	4.05
Boron	mg/l	0.0534 ± 0.00214	- ± -	0.00588	-	-
Calcium	mg/l	155 ± 2	158 ± 5.4	4.82	102	0.24
Chloride	mg/l	85.1 ± 0.62	85.3 ± 5.24	3.4	100	0.02
El. conductivity (25°C)	µS/cm	1080 ± 4.42	1082 ± 26.6	14	100	0.06
Hydrogen carbonate	mg/l	442 ± 1.46	- ± -	8.84	-	-
Magnesium	mg/l	36.2 ± 0.459	38.4 ± 2.36	1.45	106	0.47
Nitrate (as NO ₃)	mg/l	10.7 ± 0.126	11.1 ± 0.155	0.537	103	1.08
Nitrite (as NO ₂)	mg/l	0.102 ± 0.00202	0.107 ± 0.007	0.00539	105	0.37
Orthophosphate (as PO ₄)	mg/l	0.0589 ± 0.00231	0.0705 ± 0.00536	0.0053	120	1.06
pH-value	-	7.73 ± 0.027	7.65 ± 0.116	0.155	98.9	-0.35
Potassium	mg/l	2.4 ± 0.0526	2.4 ± 1.14	0.125	100	0.00
Sodium	mg/l	21.5 ± 0.289	21.2 ± 3.88	0.73	98.7	-0.04
Sulfate (as SO ₄)	mg/l	94.2 ± 1.02	90.8 ± 7.75	3.11	96.3	-0.22
Total-P (as PO ₄)	mg/l	1.16 ± 0.0213	- ± -	0.0869	-	-
Total hardness	mmol/l	5.41 ± 0.0392	- ± -	0.162	-	-
Total nitrogen	mg/l	2.59 ± 0.0647	- ± -	0.215	-	-

Sample: N155ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	2.07 ± 0.0588	2.46 ± 0.2	0.207	119	0.95

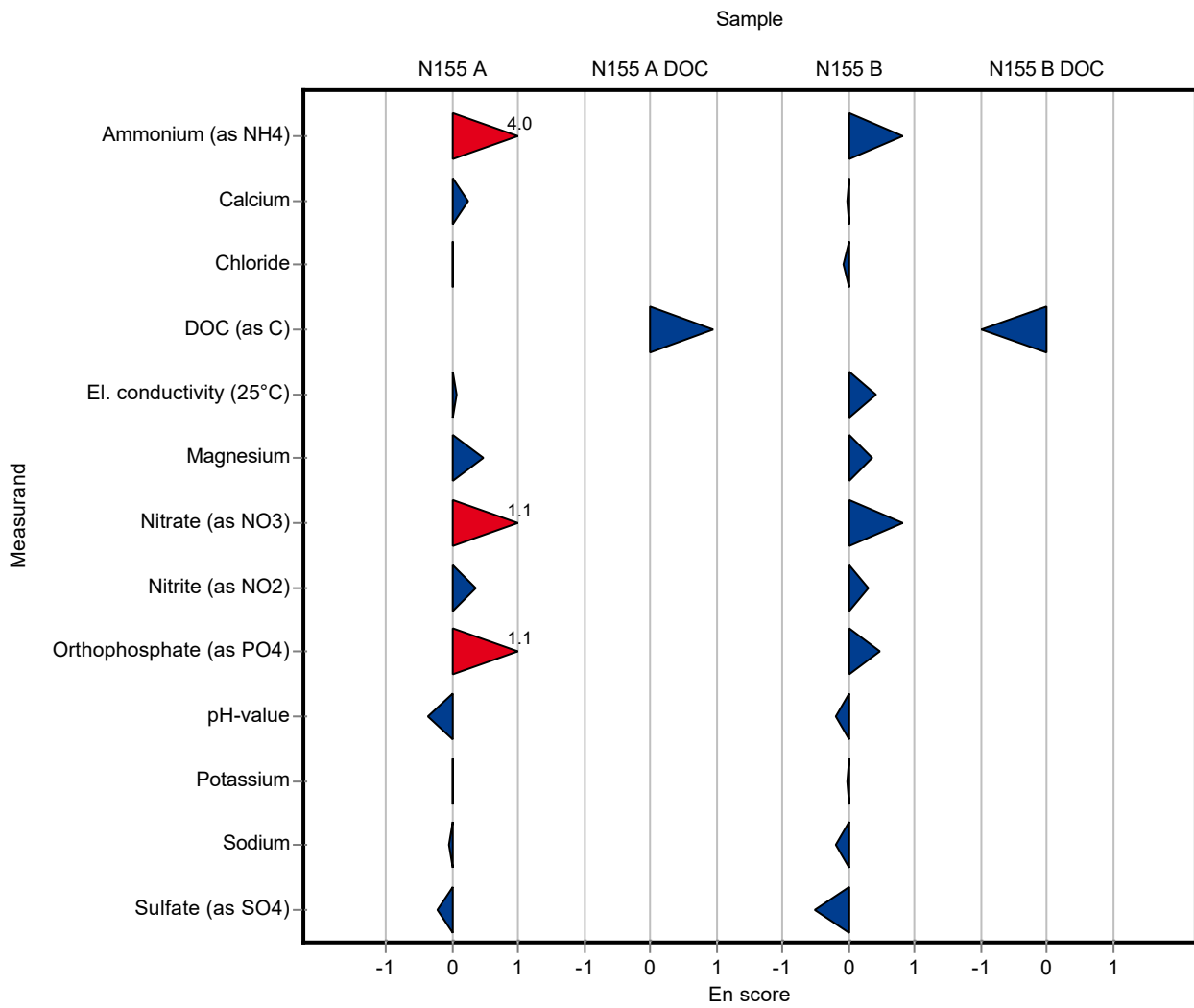
Sample: N155B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	3.11 ± 0.0171	- ± -	0.0622	-	-
Ammonium (as NH ₄)	mg/l	0.359 ± 0.00779	0.387 ± 0.0163	0.0431	108	0.83
Boron	mg/l	0.0189 ± 0.000778	- ± -	0.00208	-	-
Calcium	mg/l	58.7 ± 0.681	58.6 ± 2	1.82	99.8	-0.03

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Chloride	mg/l	44.2 ± 0.341	43.8 ± 2.69	1.77	99.1	-0.07
El. conductivity (25°C)	µS/cm	517 ± 1.75	528 ± 13	6.72	102	0.42
Hydrogen carbonate	mg/l	189 ± 1.54	- ± -	3.78	-	-
Magnesium	mg/l	12.5 ± 0.185	13.1 ± 0.804	0.501	105	0.36
Nitrate (as NO ₃)	mg/l	20.1 ± 0.156	20.6 ± 0.288	1.01	102	0.81
Nitrite (as NO ₂)	mg/l	0.24 ± 0.00384	0.25 ± 0.0165	0.0127	104	0.31
Orthophosphate (as PO ₄)	mg/l	0.235 ± 0.00356	0.254 ± 0.0193	0.0212	108	0.48
pH-value	-	7.92 ± 0.0209	7.88 ± 0.12	0.158	99.4	-0.18
Potassium	mg/l	2.94 ± 0.0476	2.9 ± 1.38	0.153	98.6	-0.01
Sodium	mg/l	25.6 ± 0.277	23.8 ± 4.35	0.87	93.1	-0.20
Sulfate (as SO ₄)	mg/l	24.7 ± 0.31	22.7 ± 1.94	0.815	92	-0.51
Total-P (as PO ₄)	mg/l	1.1 ± 0.0151	- ± -	0.0824	-	-
Total hardness	mmol/l	2 ± 0.0126	- ± -	0.0599	-	-
Total nitrogen	mg/l	5.05 ± 0.0813	- ± -	0.42	-	-

Sample: N155BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	4.27 ± 0.0971	3.86 ± 0.2	0.427	90.5	-0.99



Sample: N155A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	7.28 ± 0.029	7.2 ± 0.5	0.146	98.9	-0.57
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00275	0.097 ± 0.03	0.0102	114	1.14
Boron	mg/l	0.0534 ± 0.00214	0.054 ± 0.004	0.00588	101	0.09
Calcium	mg/l	155 ± 2	160.1 ± 12.8	4.82	103	0.99
Chloride	mg/l	85.1 ± 0.62	84.6 ± 5.9	3.4	99.5	-0.13
El. conductivity (25°C)	µS/cm	1080 ± 4.42	1109 ± 22	14	103	2.13
Hydrogen carbonate	mg/l	442 ± 1.46	442 ± 35	8.84	100	0.00
Magnesium	mg/l	36.2 ± 0.459	36.5 ± 1.5	1.45	101	0.22
Nitrate (as NO ₃)	mg/l	10.7 ± 0.126	10.9 ± 0.4	0.537	101	0.30
Nitrite (as NO ₂)	mg/l	0.102 ± 0.00202	0.099 ± 0.01	0.00539	97.3	-0.51
Orthophosphate (as PO ₄)	mg/l	0.0589 ± 0.00231	0.054 ± 0.008	0.0053	91.7	-0.92
pH-value	-	7.73 ± 0.027	7.6 ± 0.1	0.155	98.3	-0.86
Potassium	mg/l	2.4 ± 0.0526	2.5 ± 0.2	0.125	104	0.82
Sodium	mg/l	21.5 ± 0.289	22.4 ± 0.9	0.73	104	1.26
Sulfate (as SO ₄)	mg/l	94.2 ± 1.02	92.7 ± 5.6	3.11	98.4	-0.50
Total-P (as PO ₄)	mg/l	1.16 ± 0.0213	1.13 ± 0.15	0.0869	97.6	-0.32
Total hardness	mmol/l	5.41 ± 0.0392	30.8 ± 3.1	0.162	569	156.00
Total nitrogen	mg/l	2.59 ± 0.0647	- ± -	0.215	-	-

Sample: N155ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.07 ± 0.0588	2.3 ± 0.32	0.207	111	1.09

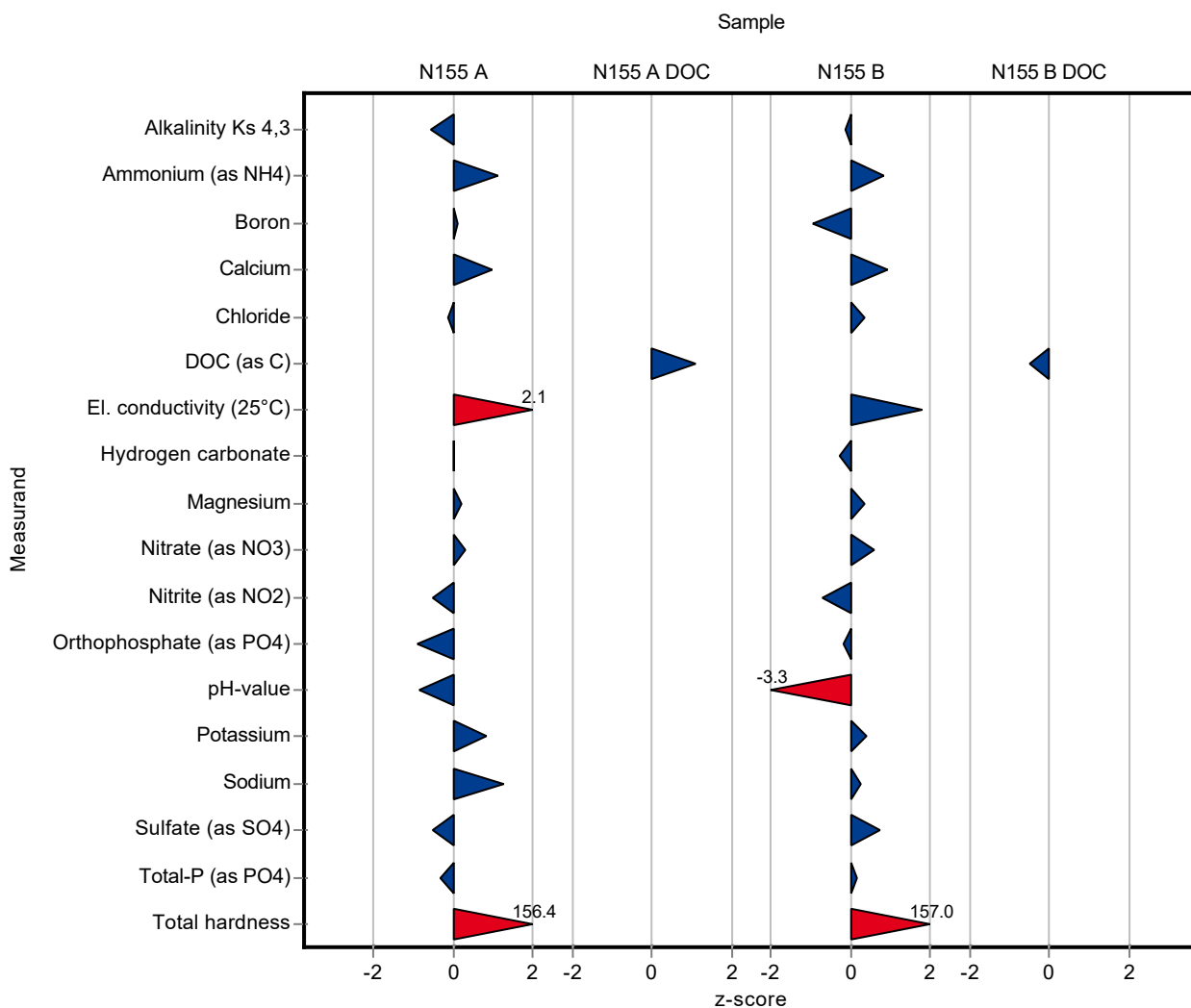
Sample: N155B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	3.11 ± 0.0171	3.1 ± 0.2	0.0622	99.7	-0.15
Ammonium (as NH ₄)	mg/l	0.359 ± 0.00779	0.396 ± 0.123	0.0431	110	0.85
Boron	mg/l	0.0189 ± 0.000778	0.017 ± 0.001	0.00208	89.7	-0.93
Calcium	mg/l	58.7 ± 0.681	60.4 ± 2.4	1.82	103	0.91

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Chloride	mg/l	44.2 ± 0.341	44.8 ± 3.6	1.77	101	0.35
El. conductivity (25°C)	µS/cm	517 ± 1.75	529 ± 11	6.72	102	1.77
Hydrogen carbonate	mg/l	189 ± 1.54	188 ± 15	3.78	99.5	-0.27
Magnesium	mg/l	12.5 ± 0.185	12.7 ± 0.8	0.501	101	0.35
Nitrate (as NO ₃)	mg/l	20.1 ± 0.156	20.7 ± 1.5	1.01	103	0.58
Nitrite (as NO ₂)	mg/l	0.24 ± 0.00384	0.231 ± 0.023	0.0127	96.3	-0.69
Orthophosphate (as PO ₄)	mg/l	0.235 ± 0.00356	0.232 ± 0.035	0.0212	98.5	-0.17
pH-value	-	7.92 ± 0.0209	7.4 ± 0.1	0.158	93.4	-3.31
Potassium	mg/l	2.94 ± 0.0476	3 ± 0.2	0.153	102	0.39
Sodium	mg/l	25.6 ± 0.277	25.8 ± 1	0.87	101	0.26
Sulfate (as SO ₄)	mg/l	24.7 ± 0.31	25.3 ± 1.5	0.815	102	0.75
Total-P (as PO ₄)	mg/l	1.1 ± 0.0151	1.11 ± 0.14	0.0824	101	0.14
Total hardness	mmol/l	2 ± 0.0126	11.4 ± 1.1	0.0599	571	157.00
Total nitrogen	mg/l	5.05 ± 0.0813	- ± -	0.42	-	-

Sample: N155BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	4.27 ± 0.0971	4.05 ± 0.57	0.427	94.9	-0.51



Sample: N155A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	7.28 ± 0.029	7.2 ± 0.5	0.146	98.9	-0.08
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00275	0.097 ± 0.03	0.0102	114	0.19
Boron	mg/l	0.0534 ± 0.00214	0.054 ± 0.004	0.00588	101	0.07
Calcium	mg/l	155 ± 2	160.1 ± 12.8	4.82	103	0.19
Chloride	mg/l	85.1 ± 0.62	84.6 ± 5.9	3.4	99.5	-0.04
El. conductivity (25°C)	µS/cm	1080 ± 4.42	1109 ± 22	14	103	0.68
Hydrogen carbonate	mg/l	442 ± 1.46	442 ± 35	8.84	100	0.00
Magnesium	mg/l	36.2 ± 0.459	36.5 ± 1.5	1.45	101	0.10
Nitrate (as NO ₃)	mg/l	10.7 ± 0.126	10.9 ± 0.4	0.537	101	0.20
Nitrite (as NO ₂)	mg/l	0.102 ± 0.00202	0.099 ± 0.01	0.00539	97.3	-0.14
Orthophosphate (as PO ₄)	mg/l	0.0589 ± 0.00231	0.054 ± 0.008	0.0053	91.7	-0.30
pH-value	-	7.73 ± 0.027	7.6 ± 0.1	0.155	98.3	-0.66
Potassium	mg/l	2.4 ± 0.0526	2.5 ± 0.2	0.125	104	0.26
Sodium	mg/l	21.5 ± 0.289	22.4 ± 0.9	0.73	104	0.50
Sulfate (as SO ₄)	mg/l	94.2 ± 1.02	92.7 ± 5.6	3.11	98.4	-0.14
Total-P (as PO ₄)	mg/l	1.16 ± 0.0213	1.13 ± 0.15	0.0869	97.6	-0.09
Total hardness	mmol/l	5.41 ± 0.0392	30.8 ± 3.1	0.162	569	4.09
Total nitrogen	mg/l	2.59 ± 0.0647	- ± -	0.215	-	-

Sample: N155ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	2.07 ± 0.0588	2.3 ± 0.32	0.207	111	0.35

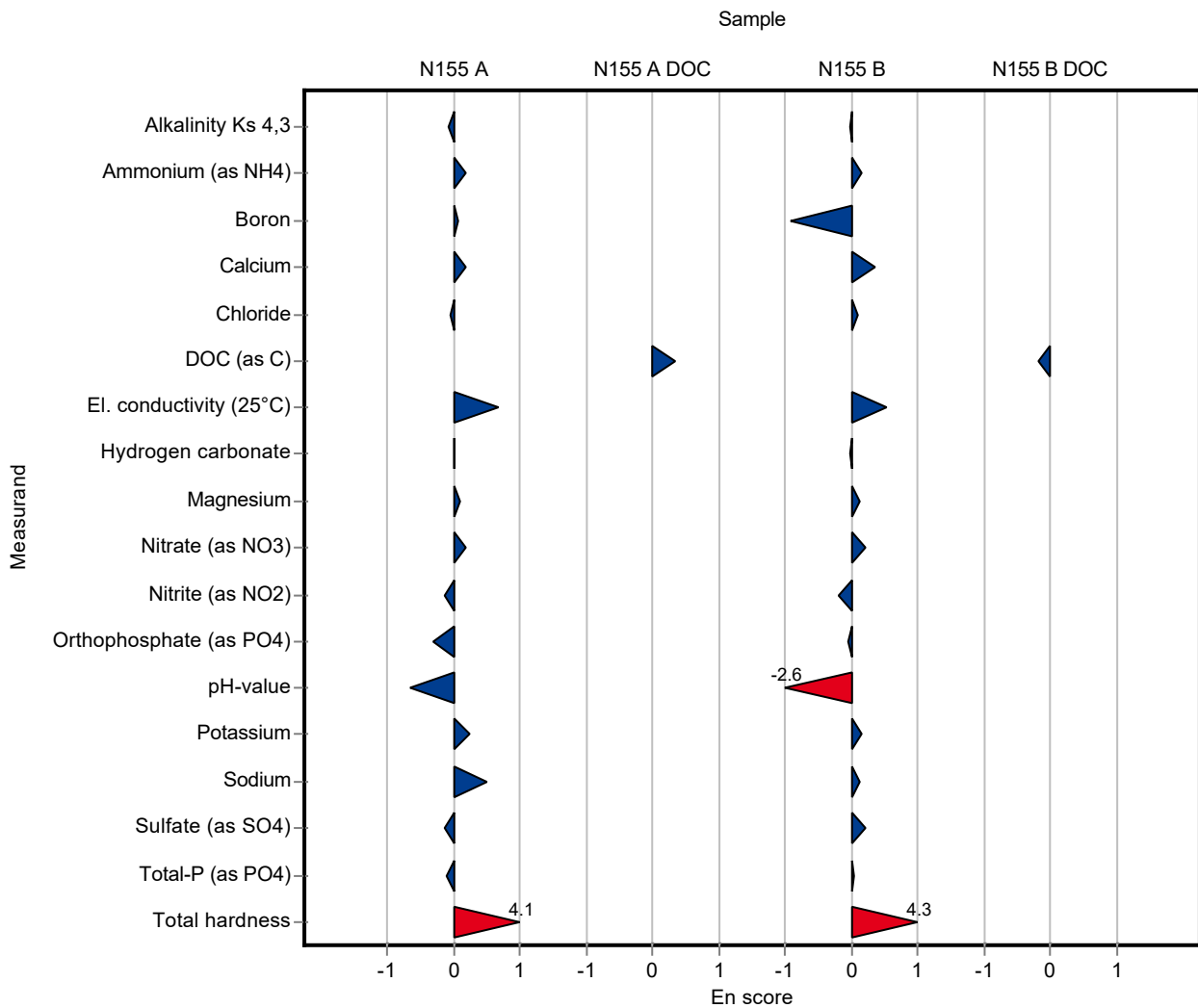
Sample: N155B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	3.11 ± 0.0171	3.1 ± 0.2	0.0622	99.7	-0.02
Ammonium (as NH ₄)	mg/l	0.359 ± 0.00779	0.396 ± 0.123	0.0431	110	0.15
Boron	mg/l	0.0189 ± 0.000778	0.017 ± 0.001	0.00208	89.7	-0.91
Calcium	mg/l	58.7 ± 0.681	60.4 ± 2.4	1.82	103	0.34

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Chloride	mg/l	44.2 ± 0.341	44.8 ± 3.6	1.77	101	0.09
El. conductivity (25°C)	µS/cm	517 ± 1.75	529 ± 11	6.72	102	0.54
Hydrogen carbonate	mg/l	189 ± 1.54	188 ± 15	3.78	99.5	-0.03
Magnesium	mg/l	12.5 ± 0.185	12.7 ± 0.8	0.501	101	0.11
Nitrate (as NO ₃)	mg/l	20.1 ± 0.156	20.7 ± 1.5	1.01	103	0.20
Nitrite (as NO ₂)	mg/l	0.24 ± 0.00384	0.231 ± 0.023	0.0127	96.3	-0.19
Orthophosphate (as PO ₄)	mg/l	0.235 ± 0.00356	0.232 ± 0.035	0.0212	98.5	-0.05
pH-value	-	7.92 ± 0.0209	7.4 ± 0.1	0.158	93.4	-2.61
Potassium	mg/l	2.94 ± 0.0476	3 ± 0.2	0.153	102	0.15
Sodium	mg/l	25.6 ± 0.277	25.8 ± 1	0.87	101	0.11
Sulfate (as SO ₄)	mg/l	24.7 ± 0.31	25.3 ± 1.5	0.815	102	0.20
Total-P (as PO ₄)	mg/l	1.1 ± 0.0151	1.11 ± 0.14	0.0824	101	0.04
Total hardness	mmol/l	2 ± 0.0126	11.4 ± 1.1	0.0599	571	4.27
Total nitrogen	mg/l	5.05 ± 0.0813	- ± -	0.42	-	-

Sample: N155BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	4.27 ± 0.0971	4.05 ± 0.57	0.427	94.9	-0.19



Sample: N155A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	7.28 ± 0.029	7.32 ± 0.73	0.146	101	0.25
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00275	0.084 ± 0.008	0.0102	98.4	-0.13
Boron	mg/l	0.0534 ± 0.00214	- ± -	0.00588	-	-
Calcium	mg/l	155 ± 2	156 ± 15.6	4.82	100	0.14
Chloride	mg/l	85.1 ± 0.62	83.4 ± 8.3	3.4	98.1	-0.48
El. conductivity (25°C)	µS/cm	1080 ± 4.42	1084 ± 50	14	100	0.35
Hydrogen carbonate	mg/l	442 ± 1.46	- ± -	8.84	-	-
Magnesium	mg/l	36.2 ± 0.459	36.5 ± 3.6	1.45	101	0.22
Nitrate (as NO ₃)	mg/l	10.7 ± 0.126	11.3 ± 1.1	0.537	105	1.04
Nitrite (as NO ₂)	mg/l	0.102 ± 0.00202	0.105 ± 0.01	0.00539	103	0.60
Orthophosphate (as PO ₄)	mg/l	0.0589 ± 0.00231	0.056 ± 0.006	0.0053	95.1	-0.54
pH-value	-	7.73 ± 0.027	7.77 ± 0.1	0.155	100	0.24
Potassium	mg/l	2.4 ± 0.0526	2.4 ± 0.24	0.125	100	0.02
Sodium	mg/l	21.5 ± 0.289	22 ± 2.2	0.73	102	0.71
Sulfate (as SO ₄)	mg/l	94.2 ± 1.02	92.5 ± 9.3	3.11	98.1	-0.56
Total-P (as PO ₄)	mg/l	1.16 ± 0.0213	1.15 ± 0.12	0.0869	99.3	-0.09
Total hardness	mmol/l	5.41 ± 0.0392	- ± -	0.162	-	-
Total nitrogen	mg/l	2.59 ± 0.0647	2.61 ± 0.26	0.215	101	0.11

Sample: N155ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.07 ± 0.0588	13.7 ± 1.4	0.207	661	56.10

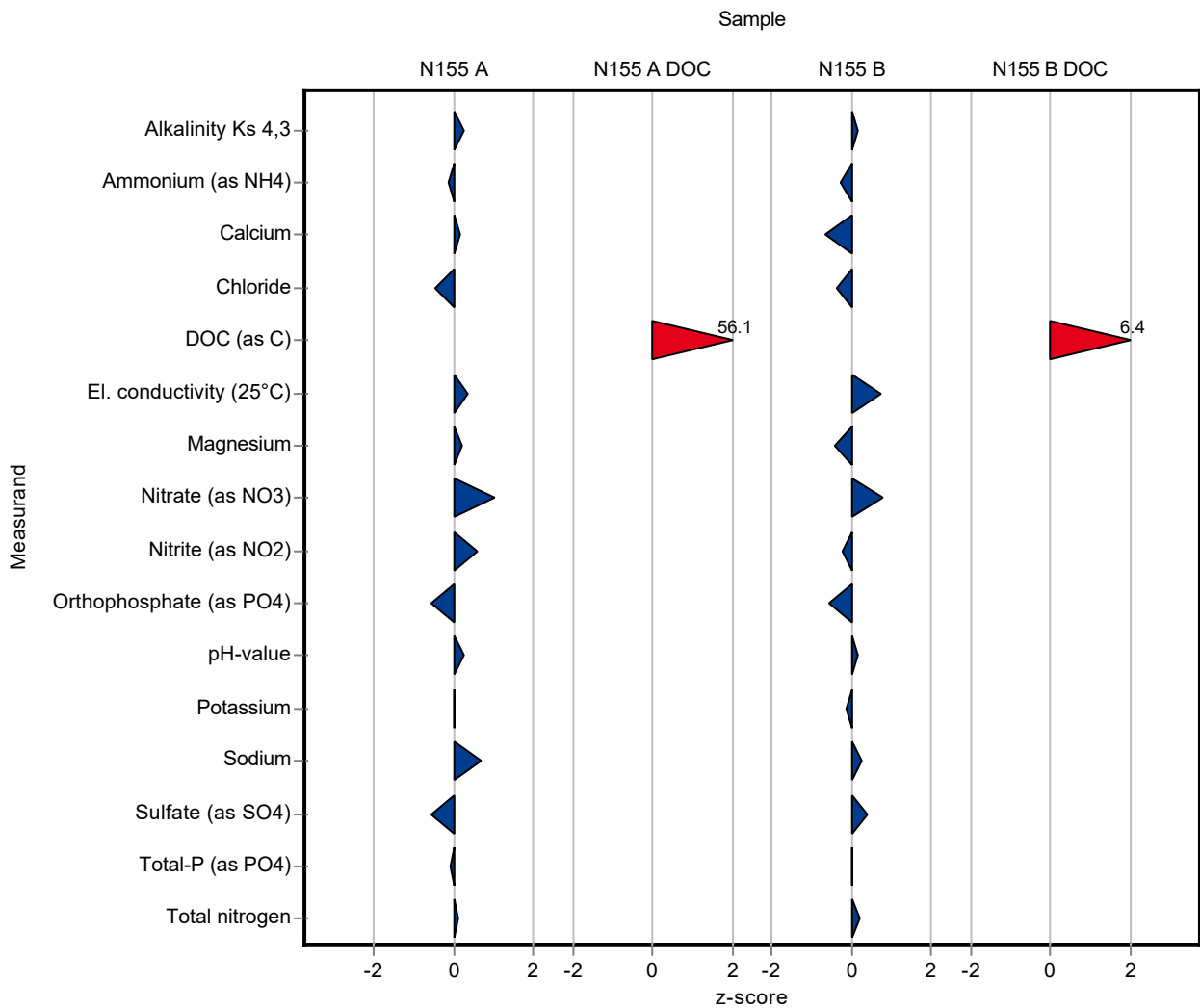
Sample: N155B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	3.11 ± 0.0171	3.12 ± 0.31	0.0622	100	0.17
Ammonium (as NH ₄)	mg/l	0.359 ± 0.00779	0.348 ± 0.03	0.0431	96.9	-0.26
Boron	mg/l	0.0189 ± 0.000778	- ± -	0.00208	-	-
Calcium	mg/l	58.7 ± 0.681	57.5 ± 5.8	1.82	97.9	-0.68

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Chloride	mg/l	44.2 ± 0.341	43.5 ± 4.4	1.77	98.5	-0.39
El. conductivity (25°C)	µS/cm	517 ± 1.75	522 ± 25	6.72	101	0.73
Hydrogen carbonate	mg/l	189 ± 1.54	- ± -	3.78	-	-
Magnesium	mg/l	12.5 ± 0.185	12.3 ± 1.2	0.501	98.2	-0.44
Nitrate (as NO ₃)	mg/l	20.1 ± 0.156	20.9 ± 2.1	1.01	104	0.78
Nitrite (as NO ₂)	mg/l	0.24 ± 0.00384	0.237 ± 0.02	0.0127	98.8	-0.22
Orthophosphate (as PO ₄)	mg/l	0.235 ± 0.00356	0.223 ± 0.02	0.0212	94.7	-0.59
pH-value	-	7.92 ± 0.0209	7.95 ± 0.1	0.158	100	0.17
Potassium	mg/l	2.94 ± 0.0476	2.92 ± 0.29	0.153	99.3	-0.13
Sodium	mg/l	25.6 ± 0.277	25.8 ± 0.26	0.87	101	0.26
Sulfate (as SO ₄)	mg/l	24.7 ± 0.31	25 ± 0.25	0.815	101	0.39
Total-P (as PO ₄)	mg/l	1.1 ± 0.0151	1.1 ± 0.11	0.0824	100	0.02
Total hardness	mmol/l	2 ± 0.0126	- ± -	0.0599	-	-
Total nitrogen	mg/l	5.05 ± 0.0813	5.14 ± 0.51	0.42	102	0.20

Sample: N155BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	4.27 ± 0.0971	7 ± 0.7	0.427	164	6.41



Sample: N155A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	7.28 ± 0.029	7.32 ± 0.73	0.146	101	0.03
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00275	0.084 ± 0.008	0.0102	98.4	-0.08
Boron	mg/l	0.0534 ± 0.00214	- ± -	0.00588	-	-
Calcium	mg/l	155 ± 2	156 ± 15.6	4.82	100	0.02
Chloride	mg/l	85.1 ± 0.62	83.4 ± 8.3	3.4	98.1	-0.10
El. conductivity (25°C)	µS/cm	1080 ± 4.42	1084 ± 50	14	100	0.05
Hydrogen carbonate	mg/l	442 ± 1.46	- ± -	8.84	-	-
Magnesium	mg/l	36.2 ± 0.459	36.5 ± 3.6	1.45	101	0.04
Nitrate (as NO ₃)	mg/l	10.7 ± 0.126	11.3 ± 1.1	0.537	105	0.25
Nitrite (as NO ₂)	mg/l	0.102 ± 0.00202	0.105 ± 0.01	0.00539	103	0.16
Orthophosphate (as PO ₄)	mg/l	0.0589 ± 0.00231	0.056 ± 0.006	0.0053	95.1	-0.24
pH-value	-	7.73 ± 0.027	7.77 ± 0.1	0.155	100	0.18
Potassium	mg/l	2.4 ± 0.0526	2.4 ± 0.24	0.125	100	0.01
Sodium	mg/l	21.5 ± 0.289	22 ± 2.2	0.73	102	0.12
Sulfate (as SO ₄)	mg/l	94.2 ± 1.02	92.5 ± 9.3	3.11	98.1	-0.09
Total-P (as PO ₄)	mg/l	1.16 ± 0.0213	1.15 ± 0.12	0.0869	99.3	-0.03
Total hardness	mmol/l	5.41 ± 0.0392	- ± -	0.162	-	-
Total nitrogen	mg/l	2.59 ± 0.0647	2.61 ± 0.26	0.215	101	0.05

Sample: N155ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	2.07 ± 0.0588	13.7 ± 1.4	0.207	661	4.15

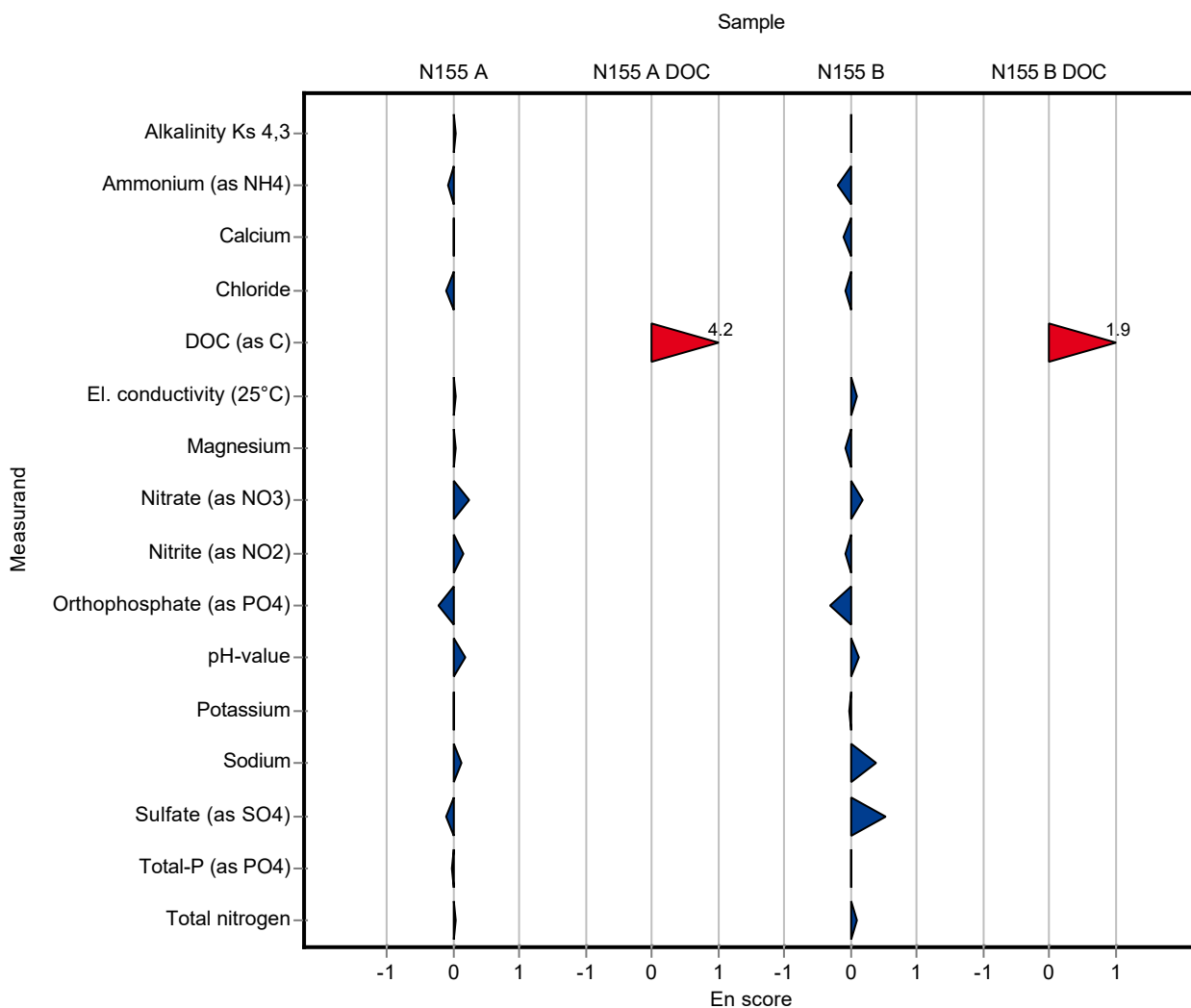
Sample: N155B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	3.11 ± 0.0171	3.12 ± 0.31	0.0622	100	0.02
Ammonium (as NH ₄)	mg/l	0.359 ± 0.00779	0.348 ± 0.03	0.0431	96.9	-0.18
Boron	mg/l	0.0189 ± 0.000778	- ± -	0.00208	-	-
Calcium	mg/l	58.7 ± 0.681	57.5 ± 5.8	1.82	97.9	-0.11

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Chloride	mg/l	44.2 ± 0.341	43.5 ± 4.4	1.77	98.5	-0.08
El. conductivity (25°C)	µS/cm	517 ± 1.75	522 ± 25	6.72	101	0.10
Hydrogen carbonate	mg/l	189 ± 1.54	- ± -	3.78	-	-
Magnesium	mg/l	12.5 ± 0.185	12.3 ± 1.2	0.501	98.2	-0.09
Nitrate (as NO ₃)	mg/l	20.1 ± 0.156	20.9 ± 2.1	1.01	104	0.19
Nitrite (as NO ₂)	mg/l	0.24 ± 0.00384	0.237 ± 0.02	0.0127	98.8	-0.07
Orthophosphate (as PO ₄)	mg/l	0.235 ± 0.00356	0.223 ± 0.02	0.0212	94.7	-0.31
pH-value	-	7.92 ± 0.0209	7.95 ± 0.1	0.158	100	0.13
Potassium	mg/l	2.94 ± 0.0476	2.92 ± 0.29	0.153	99.3	-0.04
Sodium	mg/l	25.6 ± 0.277	25.8 ± 0.26	0.87	101	0.38
Sulfate (as SO ₄)	mg/l	24.7 ± 0.31	25 ± 0.25	0.815	101	0.53
Total-P (as PO ₄)	mg/l	1.1 ± 0.0151	1.1 ± 0.11	0.0824	100	0.01
Total hardness	mmol/l	2 ± 0.0126	- ± -	0.0599	-	-
Total nitrogen	mg/l	5.05 ± 0.0813	5.14 ± 0.51	0.42	102	0.08

Sample: N155BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	4.27 ± 0.0971	7 ± 0.7	0.427	164	1.95



Sample: N155A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	7.28 ± 0.029	7.35 ± 0.21	0.146	101	0.46
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00275	0.0762 ± 0.0115	0.0102	89.3	-0.89
Boron	mg/l	0.0534 ± 0.00214	- ± -	0.00588	-	-
Calcium	mg/l	155 ± 2	- ± -	4.82	-	-
Chloride	mg/l	85.1 ± 0.62	86.8 ± 0.88	3.4	102	0.51
El. conductivity (25°C)	µS/cm	1080 ± 4.42	1068 ± 7.56	14	99	-0.79
Hydrogen carbonate	mg/l	442 ± 1.46	447 ± 6.45	8.84	101	0.56
Magnesium	mg/l	36.2 ± 0.459	- ± -	1.45	-	-
Nitrate (as NO ₃)	mg/l	10.7 ± 0.126	11.1 ± 0.76	0.537	103	0.67
Nitrite (as NO ₂)	mg/l	0.102 ± 0.00202	0.1 ± 0.01	0.00539	98.3	-0.33
Orthophosphate (as PO ₄)	mg/l	0.0589 ± 0.00231	0.0604 ± 0.0071	0.0053	103	0.29
pH-value	-	7.73 ± 0.027	7.65 ± 0.05	0.155	98.9	-0.54
Potassium	mg/l	2.4 ± 0.0526	- ± -	0.125	-	-
Sodium	mg/l	21.5 ± 0.289	- ± -	0.73	-	-
Sulfate (as SO ₄)	mg/l	94.2 ± 1.02	- ± -	3.11	-	-
Total-P (as PO ₄)	mg/l	1.16 ± 0.0213	1.17 ± 0.15	0.0869	101	0.14
Total hardness	mmol/l	5.41 ± 0.0392	- ± -	0.162	-	-
Total nitrogen	mg/l	2.59 ± 0.0647	- ± -	0.215	-	-

Sample: N155ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.07 ± 0.0588	- ± -	0.207	-	-

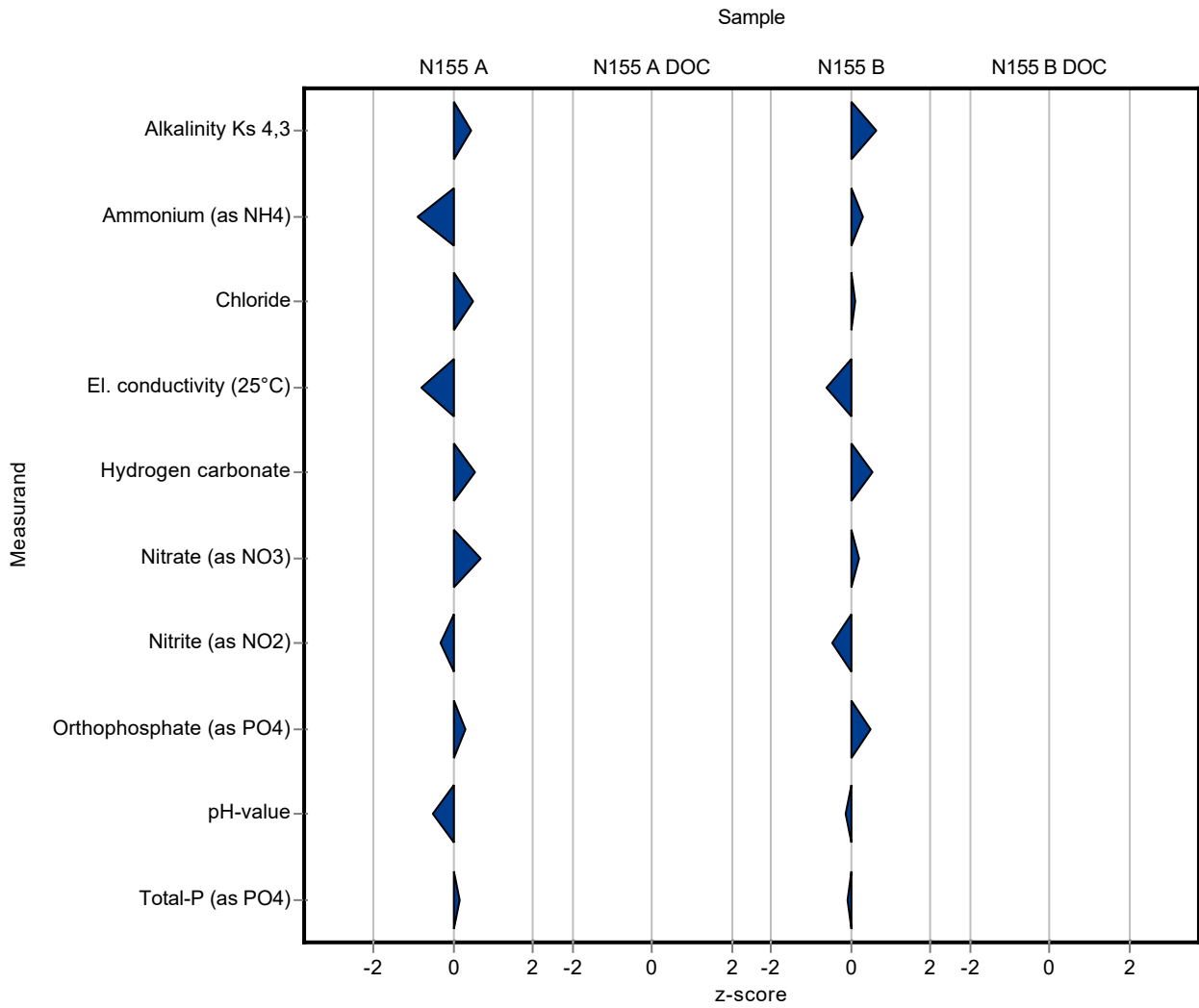
Sample: N155B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	3.11 ± 0.0171	3.15 ± 0.09	0.0622	101	0.65
Ammonium (as NH ₄)	mg/l	0.359 ± 0.00779	0.373 ± 0.056	0.0431	104	0.32
Boron	mg/l	0.0189 ± 0.000778	- ± -	0.00208	-	-
Calcium	mg/l	58.7 ± 0.681	- ± -	1.82	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Chloride	mg/l	44.2 ± 0.341	44.4 ± 0.45	1.77	100	0.12
El. conductivity (25°C)	µS/cm	517 ± 1.75	513 ± 3.63	6.72	99.2	-0.61
Hydrogen carbonate	mg/l	189 ± 1.54	191 ± 2.76	3.78	101	0.52
Magnesium	mg/l	12.5 ± 0.185	- ± -	0.501	-	-
Nitrate (as NO ₃)	mg/l	20.1 ± 0.156	20.3 ± 1.39	1.01	101	0.18
Nitrite (as NO ₂)	mg/l	0.24 ± 0.00384	0.234 ± 0.023	0.0127	97.6	-0.46
Orthophosphate (as PO ₄)	mg/l	0.235 ± 0.00356	0.246 ± 0.029	0.0212	104	0.50
pH-value	-	7.92 ± 0.0209	7.9 ± 0.05	0.158	99.7	-0.15
Potassium	mg/l	2.94 ± 0.0476	- ± -	0.153	-	-
Sodium	mg/l	25.6 ± 0.277	- ± -	0.87	-	-
Sulfate (as SO ₄)	mg/l	24.7 ± 0.31	- ± -	0.815	-	-
Total-P (as PO ₄)	mg/l	1.1 ± 0.0151	1.09 ± 0.14	0.0824	99.3	-0.10
Total hardness	mmol/l	2 ± 0.0126	- ± -	0.0599	-	-
Total nitrogen	mg/l	5.05 ± 0.0813	- ± -	0.42	-	-

Sample: N155BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	4.27 ± 0.0971	- ± -	0.427	-	-



Sample: N155A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	7.28 ± 0.029	7.35 ± 0.21	0.146	101	0.16
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00275	0.0762 ± 0.0115	0.0102	89.3	-0.40
Boron	mg/l	0.0534 ± 0.00214	- ± -	0.00588	-	-
Calcium	mg/l	155 ± 2	- ± -	4.82	-	-
Chloride	mg/l	85.1 ± 0.62	86.8 ± 0.88	3.4	102	0.94
El. conductivity (25°C)	µS/cm	1080 ± 4.42	1068 ± 7.56	14	99	-0.70
Hydrogen carbonate	mg/l	442 ± 1.46	447 ± 6.45	8.84	101	0.38
Magnesium	mg/l	36.2 ± 0.459	- ± -	1.45	-	-
Nitrate (as NO ₃)	mg/l	10.7 ± 0.126	11.1 ± 0.76	0.537	103	0.24
Nitrite (as NO ₂)	mg/l	0.102 ± 0.00202	0.1 ± 0.01	0.00539	98.3	-0.09
Orthophosphate (as PO ₄)	mg/l	0.0589 ± 0.00231	0.0604 ± 0.0071	0.0053	103	0.11
pH-value	-	7.73 ± 0.027	7.65 ± 0.05	0.155	98.9	-0.80
Potassium	mg/l	2.4 ± 0.0526	- ± -	0.125	-	-
Sodium	mg/l	21.5 ± 0.289	- ± -	0.73	-	-
Sulfate (as SO ₄)	mg/l	94.2 ± 1.02	- ± -	3.11	-	-
Total-P (as PO ₄)	mg/l	1.16 ± 0.0213	1.17 ± 0.15	0.0869	101	0.04
Total hardness	mmol/l	5.41 ± 0.0392	- ± -	0.162	-	-
Total nitrogen	mg/l	2.59 ± 0.0647	- ± -	0.215	-	-

Sample: N155ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	2.07 ± 0.0588	- ± -	0.207	-	-

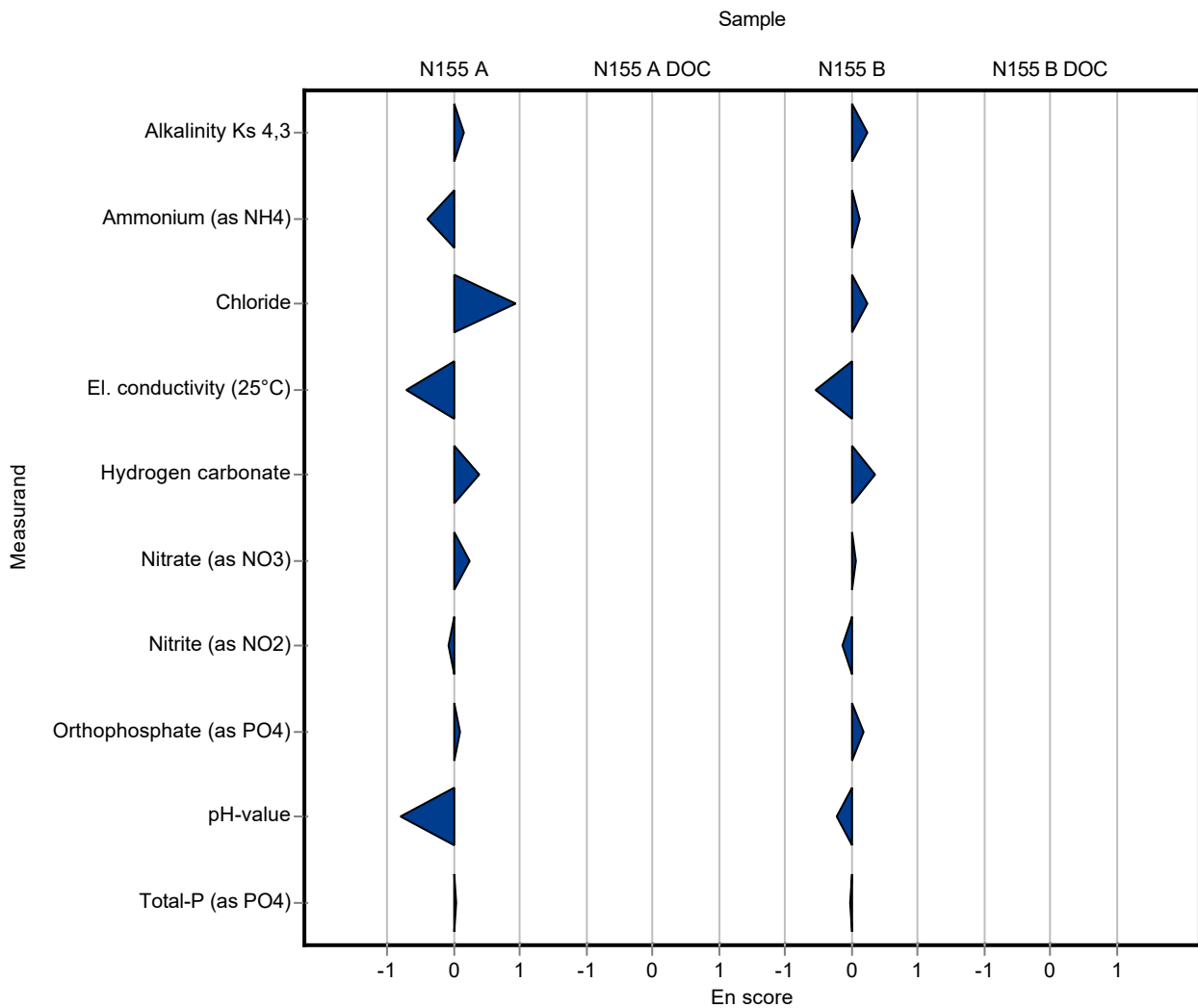
Sample: N155B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	3.11 ± 0.0171	3.15 ± 0.09	0.0622	101	0.23
Ammonium (as NH ₄)	mg/l	0.359 ± 0.00779	0.373 ± 0.056	0.0431	104	0.12
Boron	mg/l	0.0189 ± 0.000778	- ± -	0.00208	-	-
Calcium	mg/l	58.7 ± 0.681	- ± -	1.82	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Chloride	mg/l	44.2 ± 0.341	44.4 ± 0.45	1.77	100	0.23
El. conductivity (25°C)	µS/cm	517 ± 1.75	513 ± 3.63	6.72	99.2	-0.55
Hydrogen carbonate	mg/l	189 ± 1.54	191 ± 2.76	3.78	101	0.34
Magnesium	mg/l	12.5 ± 0.185	- ± -	0.501	-	-
Nitrate (as NO ₃)	mg/l	20.1 ± 0.156	20.3 ± 1.39	1.01	101	0.07
Nitrite (as NO ₂)	mg/l	0.24 ± 0.00384	0.234 ± 0.023	0.0127	97.6	-0.13
Orthophosphate (as PO ₄)	mg/l	0.235 ± 0.00356	0.246 ± 0.029	0.0212	104	0.18
pH-value	-	7.92 ± 0.0209	7.9 ± 0.05	0.158	99.7	-0.23
Potassium	mg/l	2.94 ± 0.0476	- ± -	0.153	-	-
Sodium	mg/l	25.6 ± 0.277	- ± -	0.87	-	-
Sulfate (as SO ₄)	mg/l	24.7 ± 0.31	- ± -	0.815	-	-
Total-P (as PO ₄)	mg/l	1.1 ± 0.0151	1.09 ± 0.14	0.0824	99.3	-0.03
Total hardness	mmol/l	2 ± 0.0126	- ± -	0.0599	-	-
Total nitrogen	mg/l	5.05 ± 0.0813	- ± -	0.42	-	-

Sample: N155BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	4.27 ± 0.0971	- ± -	0.427	-	-



Sample: N155A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	7.28 ± 0.029	7.25 ± 0.07	0.146	99.5	-0.23
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00275	- ± -	0.0102	-	-
Boron	mg/l	0.0534 ± 0.00214	- ± -	0.00588	-	-
Calcium	mg/l	155 ± 2	- ± -	4.82	-	-
Chloride	mg/l	85.1 ± 0.62	85.4 ± 1.71	3.4	100	0.10
El. conductivity (25°C)	µS/cm	1080 ± 4.42	1066 ± 18.6	14	98.8	-0.93
Hydrogen carbonate	mg/l	442 ± 1.46	- ± -	8.84	-	-
Magnesium	mg/l	36.2 ± 0.459	- ± -	1.45	-	-
Nitrate (as NO ₃)	mg/l	10.7 ± 0.126	9 ± 1	0.537	83.8	-3.24
Nitrite (as NO ₂)	mg/l	0.102 ± 0.00202	<0.5 (LOD) ± -	0.00539	-	-
Orthophosphate (as PO ₄)	mg/l	0.0589 ± 0.00231	- ± -	0.0053	-	-
pH-value	-	7.73 ± 0.027	7.64 ± 0.2	0.155	98.8	-0.60
Potassium	mg/l	2.4 ± 0.0526	- ± -	0.125	-	-
Sodium	mg/l	21.5 ± 0.289	- ± -	0.73	-	-
Sulfate (as SO ₄)	mg/l	94.2 ± 1.02	- ± -	3.11	-	-
Total-P (as PO ₄)	mg/l	1.16 ± 0.0213	- ± -	0.0869	-	-
Total hardness	mmol/l	5.41 ± 0.0392	4.62 ± 0.48	0.162	85.4	-4.87
Total nitrogen	mg/l	2.59 ± 0.0647	- ± -	0.215	-	-

Sample: N155ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.07 ± 0.0588	- ± -	0.207	-	-

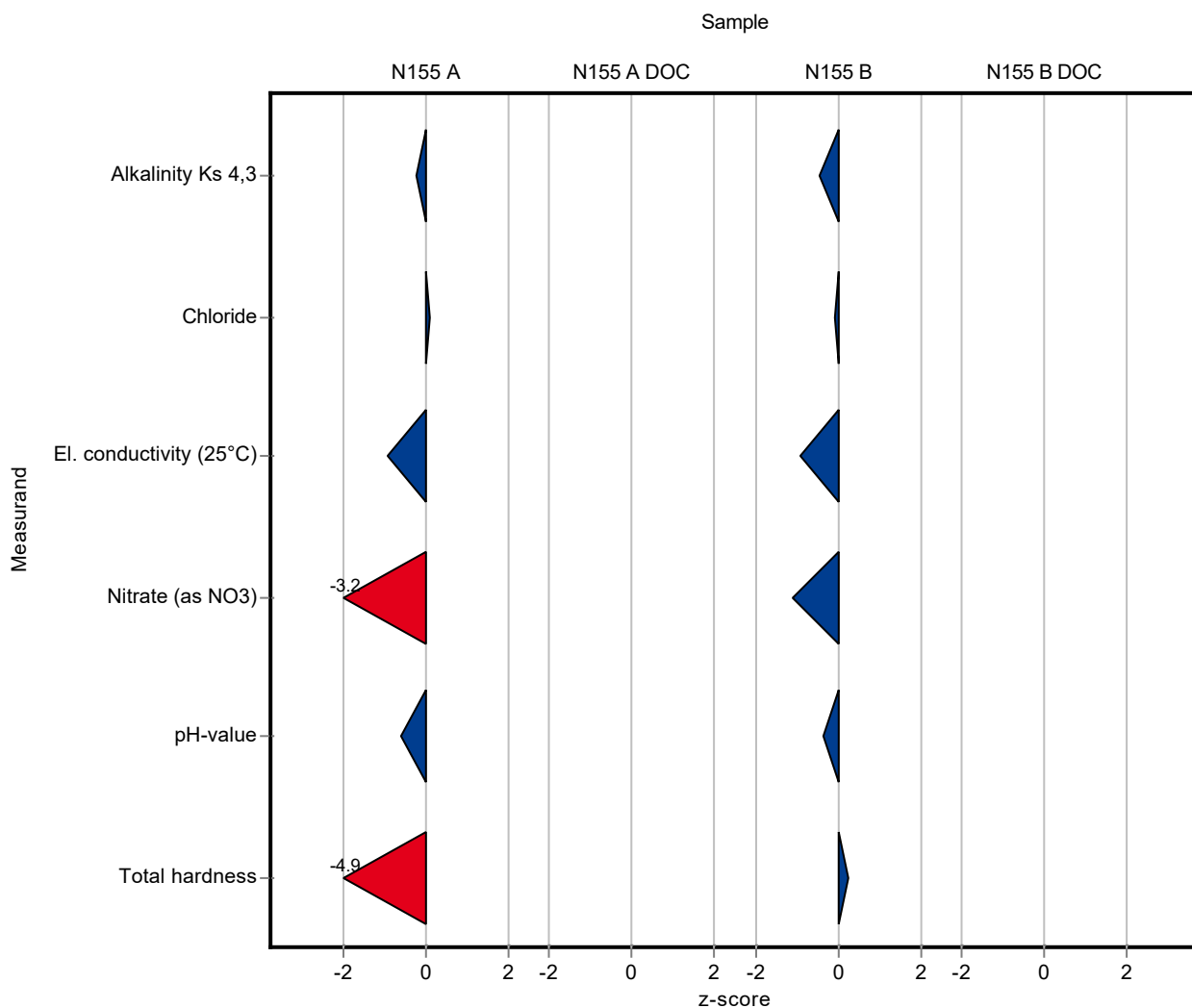
Sample: N155B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	3.11 ± 0.0171	3.08 ± 0.04	0.0622	99.1	-0.47
Ammonium (as NH ₄)	mg/l	0.359 ± 0.00779	- ± -	0.0431	-	-
Boron	mg/l	0.0189 ± 0.000778	- ± -	0.00208	-	-
Calcium	mg/l	58.7 ± 0.681	- ± -	1.82	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Chloride	mg/l	44.2 ± 0.341	44 ± 1.66	1.77	99.6	-0.10
El. conductivity (25°C)	µS/cm	517 ± 1.75	511 ± 23	6.72	98.8	-0.90
Hydrogen carbonate	mg/l	189 ± 1.54	- ± -	3.78	-	-
Magnesium	mg/l	12.5 ± 0.185	- ± -	0.501	-	-
Nitrate (as NO ₃)	mg/l	20.1 ± 0.156	19 ± 1	1.01	94.5	-1.11
Nitrite (as NO ₂)	mg/l	0.24 ± 0.00384	<0.5 (LOD) ± -	0.0127	-	-
Orthophosphate (as PO ₄)	mg/l	0.235 ± 0.00356	- ± -	0.0212	-	-
pH-value	-	7.92 ± 0.0209	7.87 ± 0.2	0.158	99.3	-0.34
Potassium	mg/l	2.94 ± 0.0476	- ± -	0.153	-	-
Sodium	mg/l	25.6 ± 0.277	- ± -	0.87	-	-
Sulfate (as SO ₄)	mg/l	24.7 ± 0.31	- ± -	0.815	-	-
Total-P (as PO ₄)	mg/l	1.1 ± 0.0151	- ± -	0.0824	-	-
Total hardness	mmol/l	2 ± 0.0126	2.01 ± 0.48	0.0599	101	0.23
Total nitrogen	mg/l	5.05 ± 0.0813	- ± -	0.42	-	-

Sample: N155BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	4.27 ± 0.0971	- ± -	0.427	-	-



Sample: N155A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	7.28 ± 0.029	7.25 ± 0.07	0.146	99.5	-0.23
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00275	- ± -	0.0102	-	-
Boron	mg/l	0.0534 ± 0.00214	- ± -	0.00588	-	-
Calcium	mg/l	155 ± 2	- ± -	4.82	-	-
Chloride	mg/l	85.1 ± 0.62	85.4 ± 1.71	3.4	100	0.10
El. conductivity (25°C)	µS/cm	1080 ± 4.42	1066 ± 18.6	14	98.8	-0.35
Hydrogen carbonate	mg/l	442 ± 1.46	- ± -	8.84	-	-
Magnesium	mg/l	36.2 ± 0.459	- ± -	1.45	-	-
Nitrate (as NO ₃)	mg/l	10.7 ± 0.126	9 ± 1	0.537	83.8	-0.87
Nitrite (as NO ₂)	mg/l	0.102 ± 0.00202	<0.5 (LOD) ± -	0.00539	-	-
Orthophosphate (as PO ₄)	mg/l	0.0589 ± 0.00231	- ± -	0.0053	-	-
pH-value	-	7.73 ± 0.027	7.64 ± 0.2	0.155	98.8	-0.23
Potassium	mg/l	2.4 ± 0.0526	- ± -	0.125	-	-
Sodium	mg/l	21.5 ± 0.289	- ± -	0.73	-	-
Sulfate (as SO ₄)	mg/l	94.2 ± 1.02	- ± -	3.11	-	-
Total-P (as PO ₄)	mg/l	1.16 ± 0.0213	- ± -	0.0869	-	-
Total hardness	mmol/l	5.41 ± 0.0392	4.62 ± 0.48	0.162	85.4	-0.82
Total nitrogen	mg/l	2.59 ± 0.0647	- ± -	0.215	-	-

Sample: N155ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	2.07 ± 0.0588	- ± -	0.207	-	-

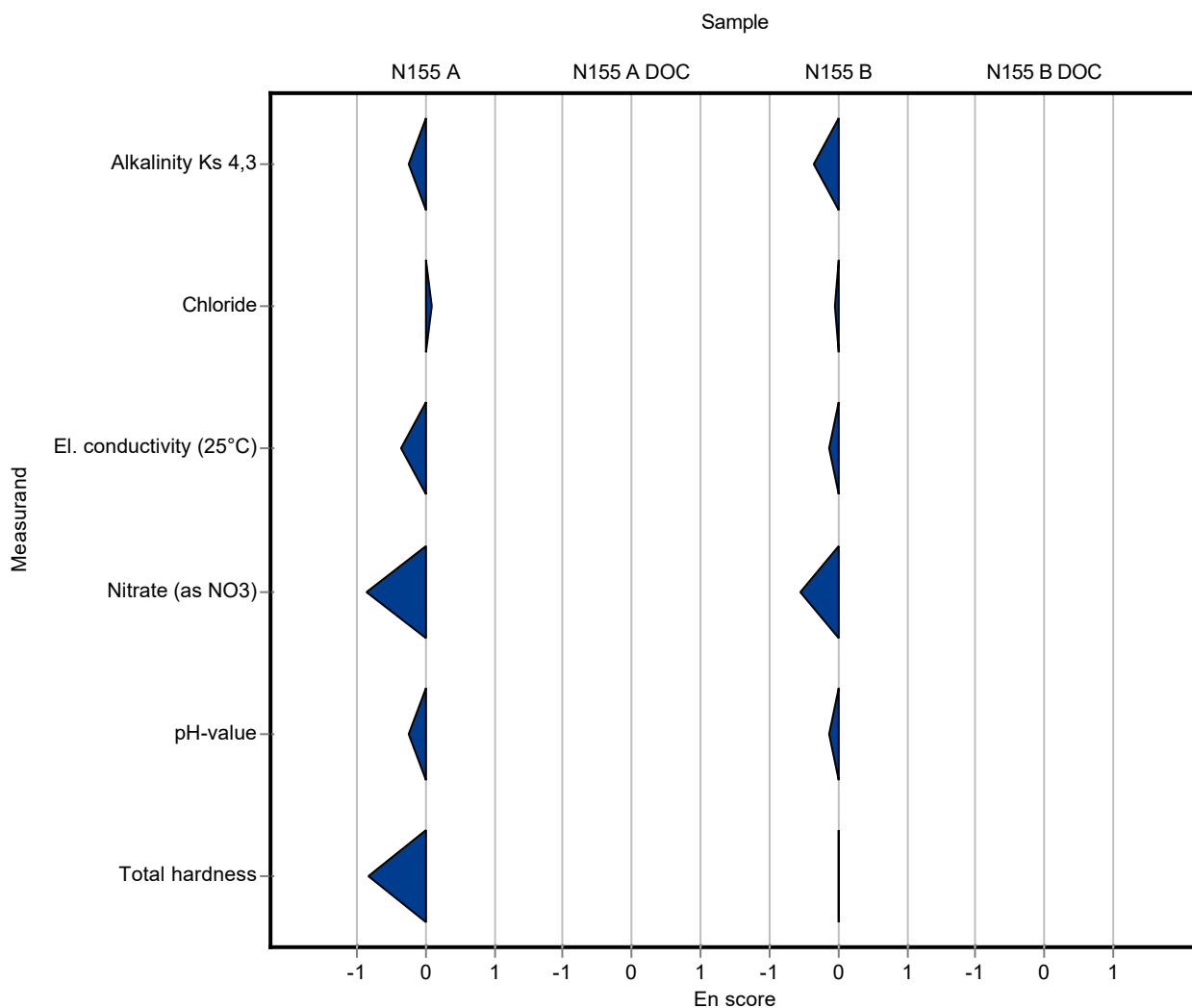
Sample: N155B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	3.11 ± 0.0171	3.08 ± 0.04	0.0622	99.1	-0.36
Ammonium (as NH ₄)	mg/l	0.359 ± 0.00779	- ± -	0.0431	-	-
Boron	mg/l	0.0189 ± 0.000778	- ± -	0.00208	-	-
Calcium	mg/l	58.7 ± 0.681	- ± -	1.82	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Chloride	mg/l	44.2 ± 0.341	44 ± 1.66	1.77	99.6	-0.05
El. conductivity (25°C)	µS/cm	517 ± 1.75	511 ± 23	6.72	98.8	-0.13
Hydrogen carbonate	mg/l	189 ± 1.54	- ± -	3.78	-	-
Magnesium	mg/l	12.5 ± 0.185	- ± -	0.501	-	-
Nitrate (as NO ₃)	mg/l	20.1 ± 0.156	19 ± 1	1.01	94.5	-0.56
Nitrite (as NO ₂)	mg/l	0.24 ± 0.00384	<0.5 (LOD) ± -	0.0127	-	-
Orthophosphate (as PO ₄)	mg/l	0.235 ± 0.00356	- ± -	0.0212	-	-
pH-value	-	7.92 ± 0.0209	7.87 ± 0.2	0.158	99.3	-0.14
Potassium	mg/l	2.94 ± 0.0476	- ± -	0.153	-	-
Sodium	mg/l	25.6 ± 0.277	- ± -	0.87	-	-
Sulfate (as SO ₄)	mg/l	24.7 ± 0.31	- ± -	0.815	-	-
Total-P (as PO ₄)	mg/l	1.1 ± 0.0151	- ± -	0.0824	-	-
Total hardness	mmol/l	2 ± 0.0126	2.01 ± 0.48	0.0599	101	0.01
Total nitrogen	mg/l	5.05 ± 0.0813	- ± -	0.42	-	-

Sample: N155BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	4.27 ± 0.0971	- ± -	0.427	-	-



Sample: N155A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	7.28 ± 0.029	7.19 ± 1.079	0.146	98.7	-0.64
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00275	0.072 ± 0.0072	0.0102	84.4	-1.30
Boron	mg/l	0.0534 ± 0.00214	0.07 ± 0.008	0.00588	131	2.82
Calcium	mg/l	155 ± 2	155.08 ± 15.08	4.82	99.8	-0.05
Chloride	mg/l	85.1 ± 0.62	84.38 ± 4.219	3.4	99.2	-0.20
El. conductivity (25°C)	µS/cm	1080 ± 4.42	1076 ± 43	14	99.7	-0.22
Hydrogen carbonate	mg/l	442 ± 1.46	438.7 ± 65.81	8.84	99.2	-0.38
Magnesium	mg/l	36.2 ± 0.459	36.28 ± 3.628	1.45	100	0.06
Nitrate (as NO ₃)	mg/l	10.7 ± 0.126	10.669 ± 0.4267	0.537	99.3	-0.13
Nitrite (as NO ₂)	mg/l	0.102 ± 0.00202	0.095 ± 0.0076	0.00539	93.3	-1.26
Orthophosphate (as PO ₄)	mg/l	0.0589 ± 0.00231	0.049 ± 0.0059	0.0053	83.2	-1.86
pH-value	-	7.73 ± 0.027	7.6 ± 0.46	0.155	98.3	-0.86
Potassium	mg/l	2.4 ± 0.0526	2.36 ± 0.236	0.125	98.4	-0.30
Sodium	mg/l	21.5 ± 0.289	21.55 ± 2.155	0.73	100	0.09
Sulfate (as SO ₄)	mg/l	94.2 ± 1.02	95.52 ± 4.776	3.11	101	0.41
Total-P (as PO ₄)	mg/l	1.16 ± 0.0213	1.2786 ± 0.1919	0.0869	110	1.39
Total hardness	mmol/l	5.41 ± 0.0392	5.36 ± 0.536	0.162	99.1	-0.31
Total nitrogen	mg/l	2.59 ± 0.0647	2.495 ± 0.129	0.215	96.5	-0.42

Sample: N155ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.07 ± 0.0588	2.2 ± 0.18	0.207	106	0.61

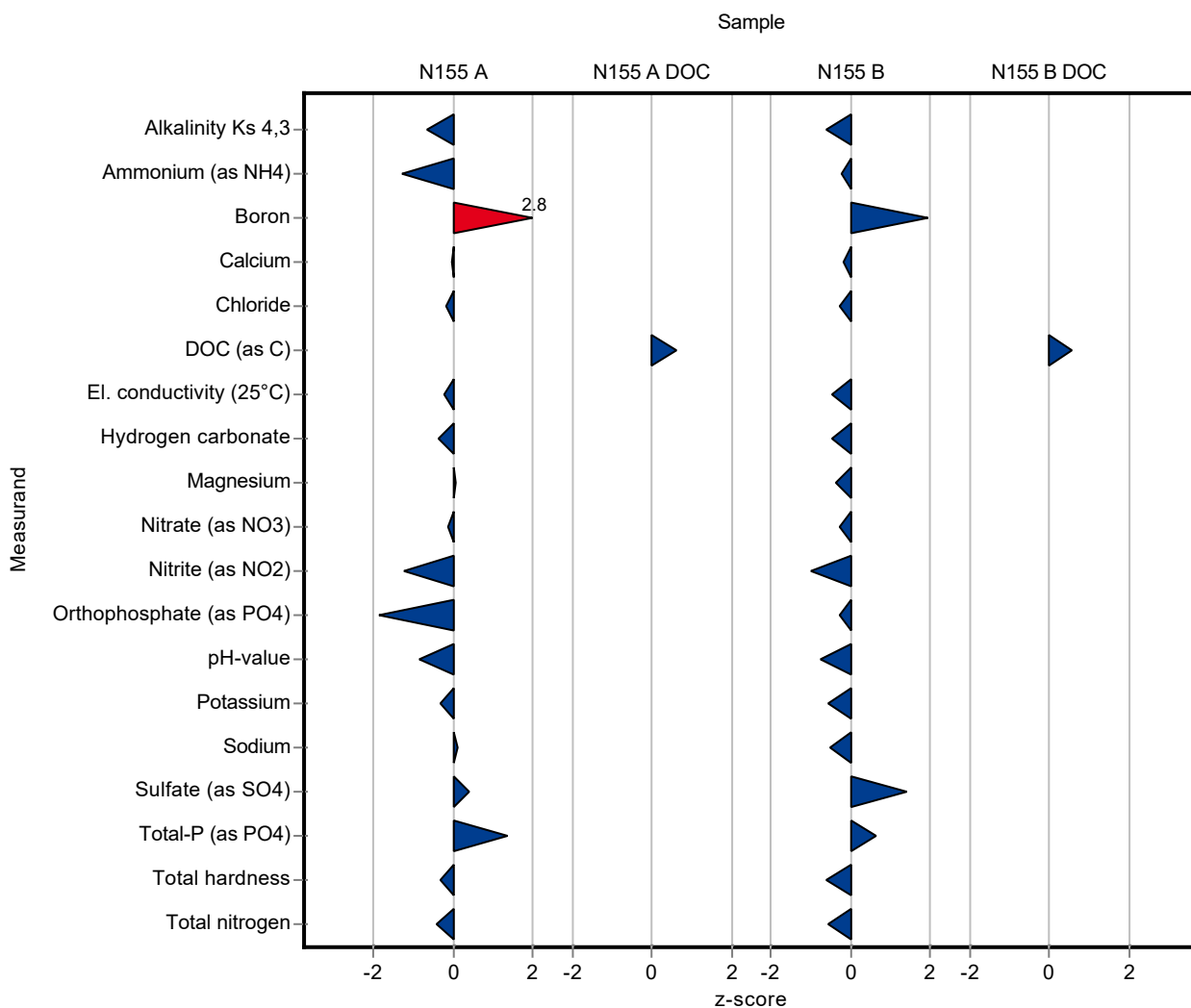
Sample: N155B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	3.11 ± 0.0171	3.07 ± 0.461	0.0622	98.7	-0.63
Ammonium (as NH ₄)	mg/l	0.359 ± 0.00779	0.349 ± 0.0349	0.0431	97.2	-0.24
Boron	mg/l	0.0189 ± 0.000778	0.023 ± 0.0028	0.00208	121	1.94
Calcium	mg/l	58.7 ± 0.681	58.41 ± 5.841	1.82	99.4	-0.18

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Chloride	mg/l	44.2 ± 0.341	43.69 ± 2.185	1.77	98.9	-0.28
El. conductivity (25°C)	µS/cm	517 ± 1.75	514 ± 20.6	6.72	99.4	-0.46
Hydrogen carbonate	mg/l	189 ± 1.54	187.3 ± 28.1	3.78	99.1	-0.46
Magnesium	mg/l	12.5 ± 0.185	12.34 ± 1.234	0.501	98.5	-0.36
Nitrate (as NO ₃)	mg/l	20.1 ± 0.156	19.845 ± 0.7938	1.01	98.7	-0.27
Nitrite (as NO ₂)	mg/l	0.24 ± 0.00384	0.227 ± 0.181	0.0127	94.7	-1.01
Orthophosphate (as PO ₄)	mg/l	0.235 ± 0.00356	0.23 ± 0.0276	0.0212	97.7	-0.26
pH-value	-	7.92 ± 0.0209	7.8 ± 0.47	0.158	98.4	-0.78
Potassium	mg/l	2.94 ± 0.0476	2.85 ± 0.285	0.153	96.9	-0.59
Sodium	mg/l	25.6 ± 0.277	25.13 ± 2.513	0.87	98.3	-0.51
Sulfate (as SO ₄)	mg/l	24.7 ± 0.31	25.82 ± 1.291	0.815	105	1.39
Total-P (as PO ₄)	mg/l	1.1 ± 0.0151	1.1498 ± 0.1726	0.0824	105	0.63
Total hardness	mmol/l	2 ± 0.0126	1.96 ± 0.196	0.0599	98.2	-0.61
Total nitrogen	mg/l	5.05 ± 0.0813	4.823 ± 0.2582	0.42	95.4	-0.55

Sample: N155BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	4.27 ± 0.0971	4.5 ± 0.36	0.427	105	0.55



Sample: N155A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	7.28 ± 0.029	7.19 ± 1.079	0.146	98.7	-0.04
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00275	0.072 ± 0.0072	0.0102	84.4	-0.91
Boron	mg/l	0.0534 ± 0.00214	0.07 ± 0.008	0.00588	131	1.03
Calcium	mg/l	155 ± 2	155.08 ± 15.08	4.82	99.8	-0.01
Chloride	mg/l	85.1 ± 0.62	84.38 ± 4.219	3.4	99.2	-0.08
El. conductivity (25°C)	µS/cm	1080 ± 4.42	1076 ± 43	14	99.7	-0.04
Hydrogen carbonate	mg/l	442 ± 1.46	438.7 ± 65.81	8.84	99.2	-0.03
Magnesium	mg/l	36.2 ± 0.459	36.28 ± 3.628	1.45	100	0.01
Nitrate (as NO ₃)	mg/l	10.7 ± 0.126	10.669 ± 0.4267	0.537	99.3	-0.08
Nitrite (as NO ₂)	mg/l	0.102 ± 0.00202	0.095 ± 0.0076	0.00539	93.3	-0.44
Orthophosphate (as PO ₄)	mg/l	0.0589 ± 0.00231	0.049 ± 0.0059	0.0053	83.2	-0.82
pH-value	-	7.73 ± 0.027	7.6 ± 0.46	0.155	98.3	-0.14
Potassium	mg/l	2.4 ± 0.0526	2.36 ± 0.236	0.125	98.4	-0.08
Sodium	mg/l	21.5 ± 0.289	21.55 ± 2.155	0.73	100	0.02
Sulfate (as SO ₄)	mg/l	94.2 ± 1.02	95.52 ± 4.776	3.11	101	0.13
Total-P (as PO ₄)	mg/l	1.16 ± 0.0213	1.2786 ± 0.1919	0.0869	110	0.31
Total hardness	mmol/l	5.41 ± 0.0392	5.36 ± 0.536	0.162	99.1	-0.05
Total nitrogen	mg/l	2.59 ± 0.0647	2.495 ± 0.129	0.215	96.5	-0.34

Sample: N155ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	2.07 ± 0.0588	2.2 ± 0.18	0.207	106	0.34

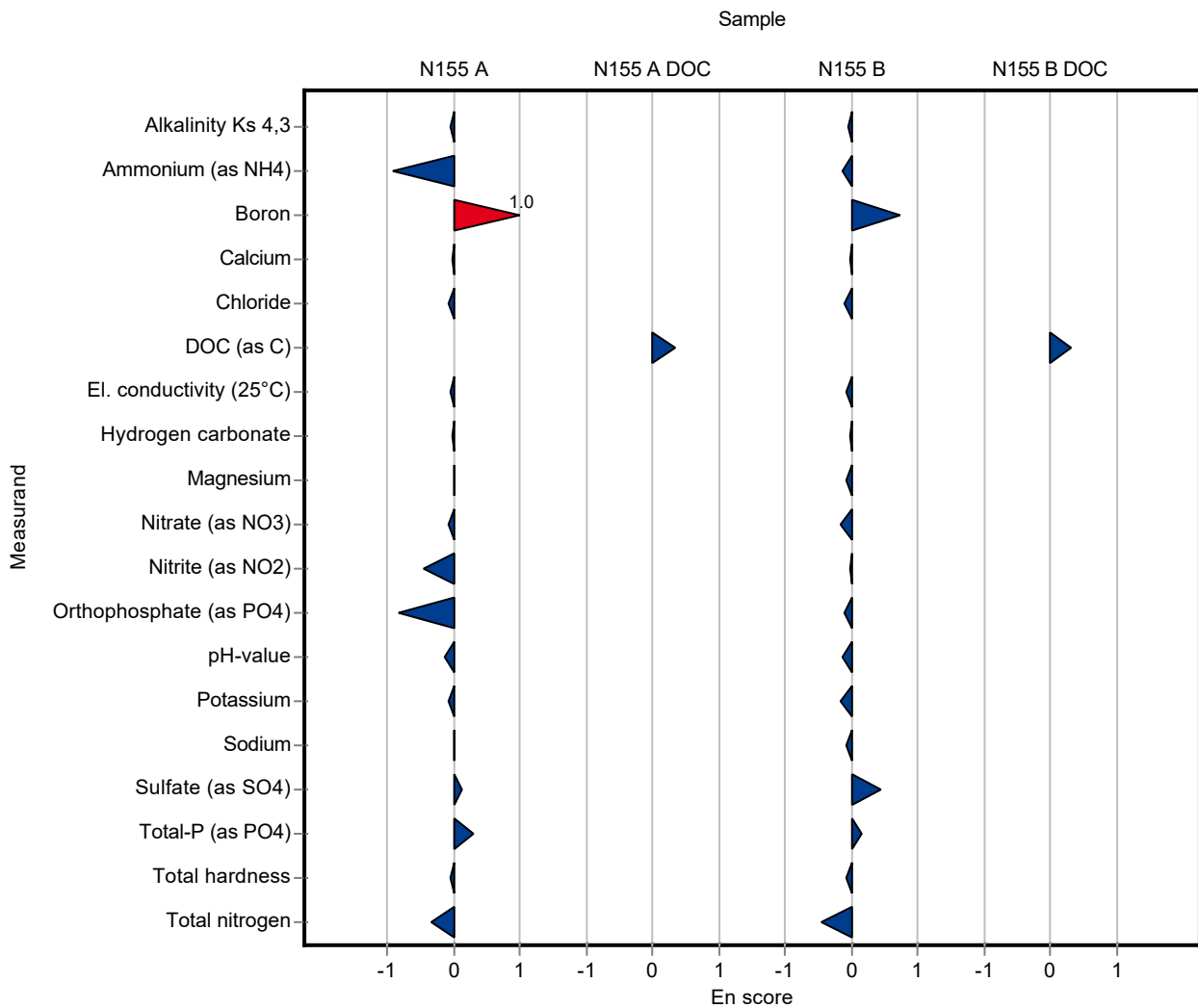
Sample: N155B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	3.11 ± 0.0171	3.07 ± 0.461	0.0622	98.7	-0.04
Ammonium (as NH ₄)	mg/l	0.359 ± 0.00779	0.349 ± 0.0349	0.0431	97.2	-0.14
Boron	mg/l	0.0189 ± 0.000778	0.023 ± 0.0028	0.00208	121	0.72
Calcium	mg/l	58.7 ± 0.681	58.41 ± 5.841	1.82	99.4	-0.03

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Chloride	mg/l	44.2 ± 0.341	43.69 ± 2.185	1.77	98.9	-0.11
El. conductivity (25°C)	µS/cm	517 ± 1.75	514 ± 20.6	6.72	99.4	-0.07
Hydrogen carbonate	mg/l	189 ± 1.54	187.3 ± 28.1	3.78	99.1	-0.03
Magnesium	mg/l	12.5 ± 0.185	12.34 ± 1.234	0.501	98.5	-0.07
Nitrate (as NO ₃)	mg/l	20.1 ± 0.156	19.845 ± 0.7938	1.01	98.7	-0.17
Nitrite (as NO ₂)	mg/l	0.24 ± 0.00384	0.227 ± 0.181	0.0127	94.7	-0.04
Orthophosphate (as PO ₄)	mg/l	0.235 ± 0.00356	0.23 ± 0.0276	0.0212	97.7	-0.10
pH-value	-	7.92 ± 0.0209	7.8 ± 0.47	0.158	98.4	-0.13
Potassium	mg/l	2.94 ± 0.0476	2.85 ± 0.285	0.153	96.9	-0.16
Sodium	mg/l	25.6 ± 0.277	25.13 ± 2.513	0.87	98.3	-0.09
Sulfate (as SO ₄)	mg/l	24.7 ± 0.31	25.82 ± 1.291	0.815	105	0.44
Total-P (as PO ₄)	mg/l	1.1 ± 0.0151	1.1498 ± 0.1726	0.0824	105	0.15
Total hardness	mmol/l	2 ± 0.0126	1.96 ± 0.196	0.0599	98.2	-0.09
Total nitrogen	mg/l	5.05 ± 0.0813	4.823 ± 0.2582	0.42	95.4	-0.44

Sample: N155BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	4.27 ± 0.0971	4.5 ± 0.36	0.427	105	0.32



Sample: N155A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	7.28 ± 0.029	7.45 ± 0.33	0.146	102	1.15
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00275	0.09 ± 0.01	0.0102	105	0.45
Boron	mg/l	0.0534 ± 0.00214	0.0494 ± 0.005	0.00588	92.4	-0.69
Calcium	mg/l	155 ± 2	153.7 ± 15.4	4.82	99	-0.34
Chloride	mg/l	85.1 ± 0.62	85 ± 8.5	3.4	99.9	-0.01
El. conductivity (25°C)	µS/cm	1080 ± 4.42	1030 ± 51.5	14	95.5	-3.50
Hydrogen carbonate	mg/l	442 ± 1.46	454 ± 20	8.84	103	1.35
Magnesium	mg/l	36.2 ± 0.459	37.6 ± 3.8	1.45	104	0.98
Nitrate (as NO ₃)	mg/l	10.7 ± 0.126	10 ± 0.1	0.537	93.1	-1.38
Nitrite (as NO ₂)	mg/l	0.102 ± 0.00202	0.11 ± 0.012	0.00539	108	1.53
Orthophosphate (as PO ₄)	mg/l	0.0589 ± 0.00231	0.061 ± 0.006	0.0053	104	0.40
pH-value	-	7.73 ± 0.027	8.2 ± 0.2	0.155	106	3.02
Potassium	mg/l	2.4 ± 0.0526	2.495 ± 0.25	0.125	104	0.78
Sodium	mg/l	21.5 ± 0.289	22.02 ± 2.2	0.73	103	0.74
Sulfate (as SO ₄)	mg/l	94.2 ± 1.02	94 ± 7.62	3.11	99.7	-0.08
Total-P (as PO ₄)	mg/l	1.16 ± 0.0213	1.2 ± 0.12	0.0869	104	0.48
Total hardness	mmol/l	5.41 ± 0.0392	5.4 ± 0.54	0.162	99.8	-0.07
Total nitrogen	mg/l	2.59 ± 0.0647	3.34 ± 0.33	0.215	129	3.52

Sample: N155ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.07 ± 0.0588	2.2 ± 0.22	0.207	106	0.61

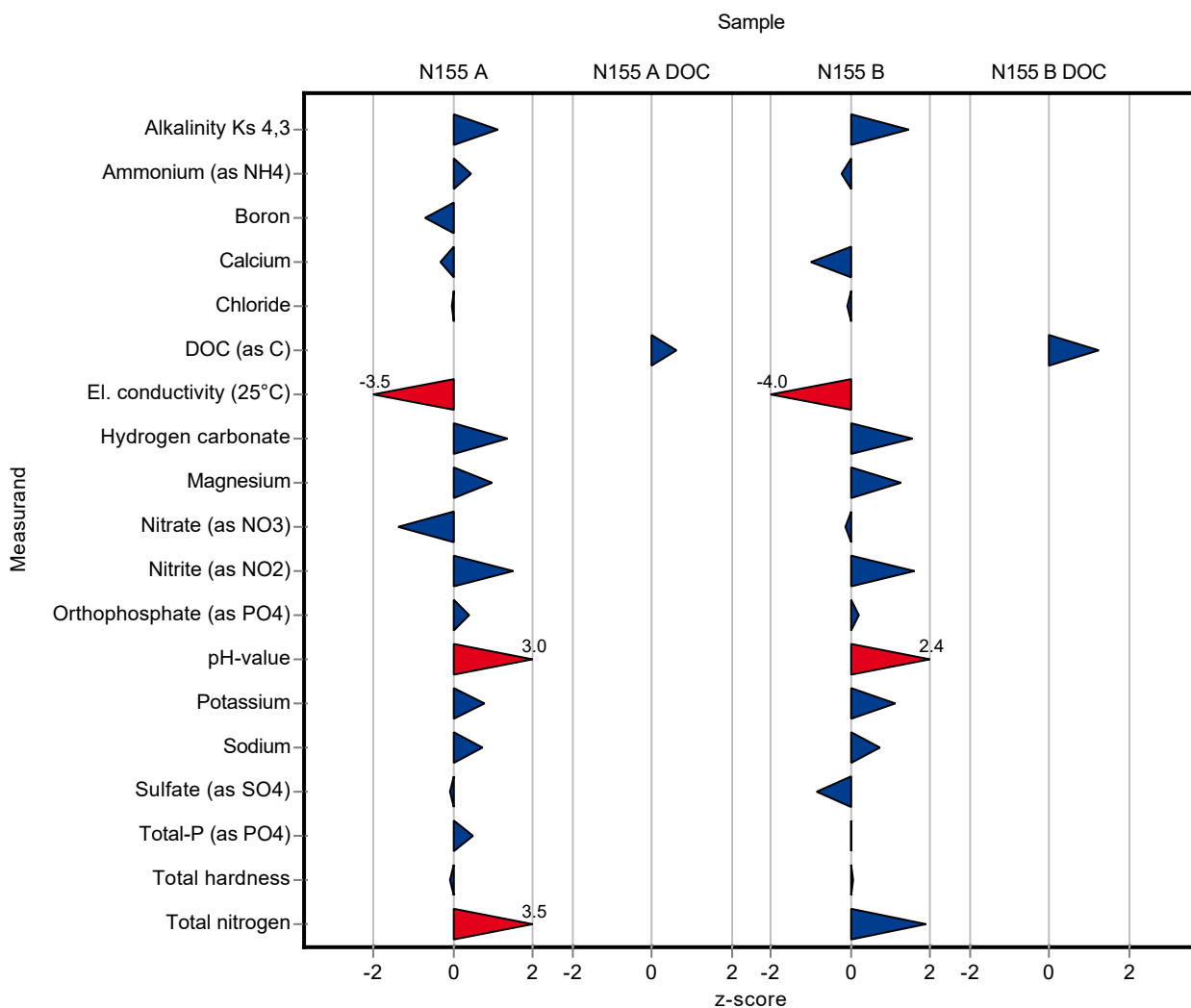
Sample: N155B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	3.11 ± 0.0171	3.2 ± 0.14	0.0622	103	1.46
Ammonium (as NH ₄)	mg/l	0.359 ± 0.00779	0.35 ± 0.04	0.0431	97.4	-0.21
Boron	mg/l	0.0189 ± 0.000778	<0.02 (LOQ) ± -	0.00208	-	-
Calcium	mg/l	58.7 ± 0.681	56.9 ± 5.7	1.82	96.9	-1.01

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Chloride	mg/l	44.2 ± 0.341	44 ± 0.44	1.77	99.6	-0.10
El. conductivity (25°C)	µS/cm	517 ± 1.75	490 ± 24.5	6.72	94.8	-4.03
Hydrogen carbonate	mg/l	189 ± 1.54	195 ± 8.58	3.78	103	1.58
Magnesium	mg/l	12.5 ± 0.185	13.15 ± 1.3	0.501	105	1.25
Nitrate (as NO ₃)	mg/l	20.1 ± 0.156	20 ± 0.2	1.01	99.4	-0.11
Nitrite (as NO ₂)	mg/l	0.24 ± 0.00384	0.26 ± 0.027	0.0127	108	1.59
Orthophosphate (as PO ₄)	mg/l	0.235 ± 0.00356	0.24 ± 0.024	0.0212	102	0.21
pH-value	-	7.92 ± 0.0209	8.3 ± 0.25	0.158	105	2.37
Potassium	mg/l	2.94 ± 0.0476	3.11 ± 0.31	0.153	106	1.11
Sodium	mg/l	25.6 ± 0.277	26.2 ± 2.6	0.87	102	0.72
Sulfate (as SO ₄)	mg/l	24.7 ± 0.31	24 ± 1.95	0.815	97.2	-0.84
Total-P (as PO ₄)	mg/l	1.1 ± 0.0151	1.1 ± 0.11	0.0824	100	0.02
Total hardness	mmol/l	2 ± 0.0126	2 ± 0.2	0.0599	100	0.06
Total nitrogen	mg/l	5.05 ± 0.0813	5.85 ± 0.58	0.42	116	1.90

Sample: N155BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	4.27 ± 0.0971	4.8 ± 0.48	0.427	113	1.25



Sample: N155A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	7.28 ± 0.029	7.45 ± 0.33	0.146	102	0.25
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00275	0.09 ± 0.01	0.0102	105	0.23
Boron	mg/l	0.0534 ± 0.00214	0.0494 ± 0.005	0.00588	92.4	-0.40
Calcium	mg/l	155 ± 2	153.7 ± 15.4	4.82	99	-0.05
Chloride	mg/l	85.1 ± 0.62	85 ± 8.5	3.4	99.9	0.00
El. conductivity (25°C)	µS/cm	1080 ± 4.42	1030 ± 51.5	14	95.5	-0.48
Hydrogen carbonate	mg/l	442 ± 1.46	454 ± 20	8.84	103	0.30
Magnesium	mg/l	36.2 ± 0.459	37.6 ± 3.8	1.45	104	0.19
Nitrate (as NO ₃)	mg/l	10.7 ± 0.126	10 ± 0.1	0.537	93.1	-3.13
Nitrite (as NO ₂)	mg/l	0.102 ± 0.00202	0.11 ± 0.012	0.00539	108	0.34
Orthophosphate (as PO ₄)	mg/l	0.0589 ± 0.00231	0.061 ± 0.006	0.0053	104	0.17
pH-value	-	7.73 ± 0.027	8.2 ± 0.2	0.155	106	1.17
Potassium	mg/l	2.4 ± 0.0526	2.495 ± 0.25	0.125	104	0.19
Sodium	mg/l	21.5 ± 0.289	22.02 ± 2.2	0.73	103	0.12
Sulfate (as SO ₄)	mg/l	94.2 ± 1.02	94 ± 7.62	3.11	99.7	-0.02
Total-P (as PO ₄)	mg/l	1.16 ± 0.0213	1.2 ± 0.12	0.0869	104	0.17
Total hardness	mmol/l	5.41 ± 0.0392	5.4 ± 0.54	0.162	99.8	-0.01
Total nitrogen	mg/l	2.59 ± 0.0647	3.34 ± 0.33	0.215	129	1.14

Sample: N155ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	2.07 ± 0.0588	2.2 ± 0.22	0.207	106	0.28

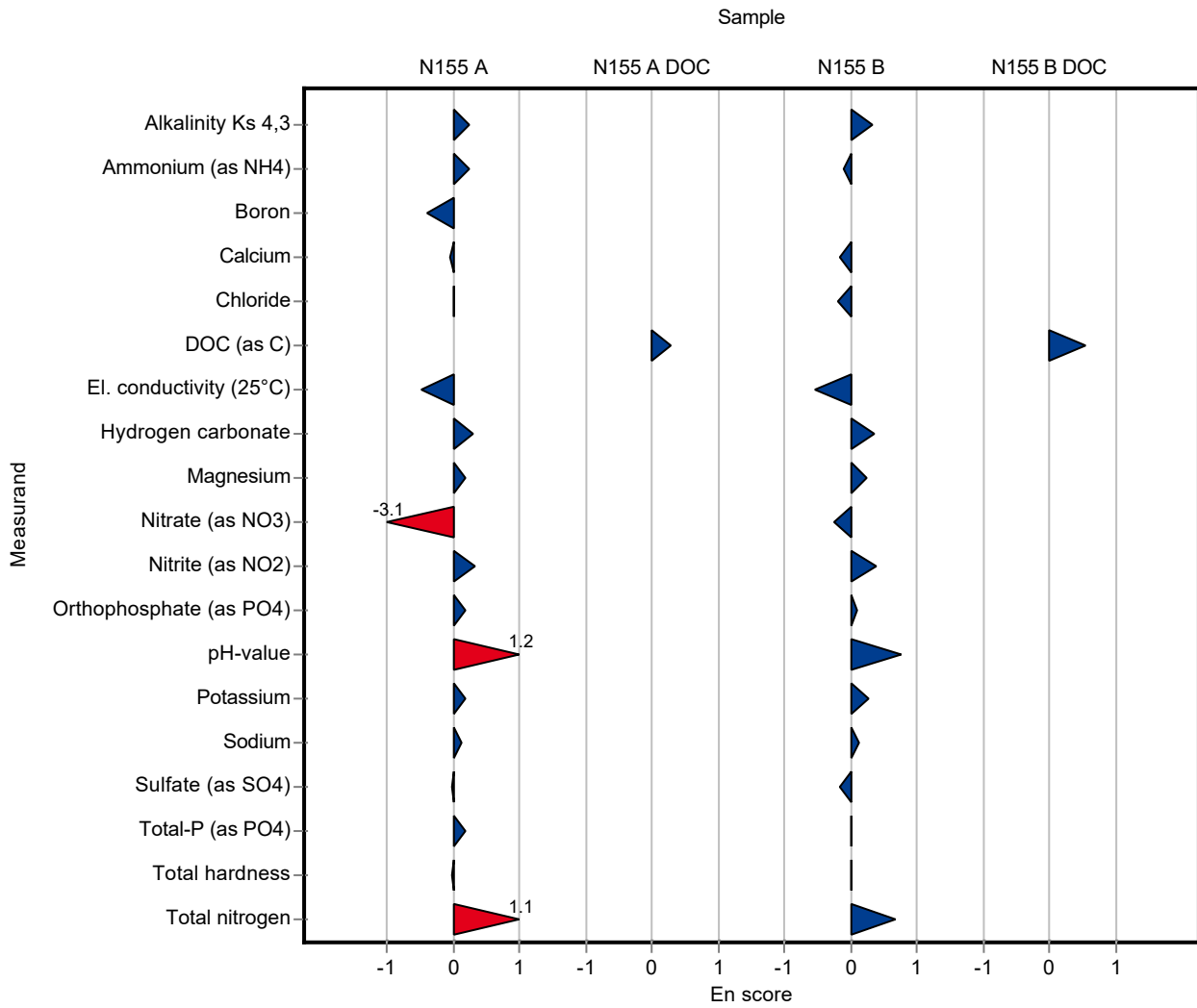
Sample: N155B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	3.11 ± 0.0171	3.2 ± 0.14	0.0622	103	0.32
Ammonium (as NH ₄)	mg/l	0.359 ± 0.00779	0.35 ± 0.04	0.0431	97.4	-0.11
Boron	mg/l	0.0189 ± 0.000778	<0.02 (LOQ) ± -	0.00208	-	-
Calcium	mg/l	58.7 ± 0.681	56.9 ± 5.7	1.82	96.9	-0.16

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Chloride	mg/l	44.2 ± 0.341	44 ± 0.44	1.77	99.6	-0.19
El. conductivity (25°C)	µS/cm	517 ± 1.75	490 ± 24.5	6.72	94.8	-0.55
Hydrogen carbonate	mg/l	189 ± 1.54	195 ± 8.58	3.78	103	0.35
Magnesium	mg/l	12.5 ± 0.185	13.15 ± 1.3	0.501	105	0.24
Nitrate (as NO ₃)	mg/l	20.1 ± 0.156	20 ± 0.2	1.01	99.4	-0.27
Nitrite (as NO ₂)	mg/l	0.24 ± 0.00384	0.26 ± 0.027	0.0127	108	0.37
Orthophosphate (as PO ₄)	mg/l	0.235 ± 0.00356	0.24 ± 0.024	0.0212	102	0.09
pH-value	-	7.92 ± 0.0209	8.3 ± 0.25	0.158	105	0.75
Potassium	mg/l	2.94 ± 0.0476	3.11 ± 0.31	0.153	106	0.27
Sodium	mg/l	25.6 ± 0.277	26.2 ± 2.6	0.87	102	0.12
Sulfate (as SO ₄)	mg/l	24.7 ± 0.31	24 ± 1.95	0.815	97.2	-0.17
Total-P (as PO ₄)	mg/l	1.1 ± 0.0151	1.1 ± 0.11	0.0824	100	0.01
Total hardness	mmol/l	2 ± 0.0126	2 ± 0.2	0.0599	100	0.01
Total nitrogen	mg/l	5.05 ± 0.0813	5.85 ± 0.58	0.42	116	0.68

Sample: N155BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	4.27 ± 0.0971	4.8 ± 0.48	0.427	113	0.55



Sample: N155A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	7.28 ± 0.029	- ± -	0.146	-	-
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00275	0.08 ± 0.005	0.0102	93.7	-0.52
Boron	mg/l	0.0534 ± 0.00214	- ± -	0.00588	-	-
Calcium	mg/l	155 ± 2	- ± -	4.82	-	-
Chloride	mg/l	85.1 ± 0.62	- ± -	3.4	-	-
El. conductivity (25°C)	µS/cm	1080 ± 4.42	- ± -	14	-	-
Hydrogen carbonate	mg/l	442 ± 1.46	- ± -	8.84	-	-
Magnesium	mg/l	36.2 ± 0.459	- ± -	1.45	-	-
Nitrate (as NO ₃)	mg/l	10.7 ± 0.126	9.6 ± 1.5	0.537	89.4	-2.12
Nitrite (as NO ₂)	mg/l	0.102 ± 0.00202	- ± -	0.00539	-	-
Orthophosphate (as PO ₄)	mg/l	0.0589 ± 0.00231	0.057 ± 0.013	0.0053	96.8	-0.35
pH-value	-	7.73 ± 0.027	- ± -	0.155	-	-
Potassium	mg/l	2.4 ± 0.0526	- ± -	0.125	-	-
Sodium	mg/l	21.5 ± 0.289	- ± -	0.73	-	-
Sulfate (as SO ₄)	mg/l	94.2 ± 1.02	- ± -	3.11	-	-
Total-P (as PO ₄)	mg/l	1.16 ± 0.0213	1.03 ± 0.01	0.0869	88.9	-1.47
Total hardness	mmol/l	5.41 ± 0.0392	- ± -	0.162	-	-
Total nitrogen	mg/l	2.59 ± 0.0647	- ± -	0.215	-	-

Sample: N155ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.07 ± 0.0588	1.65 ± 0.42	0.207	79.6	-2.04

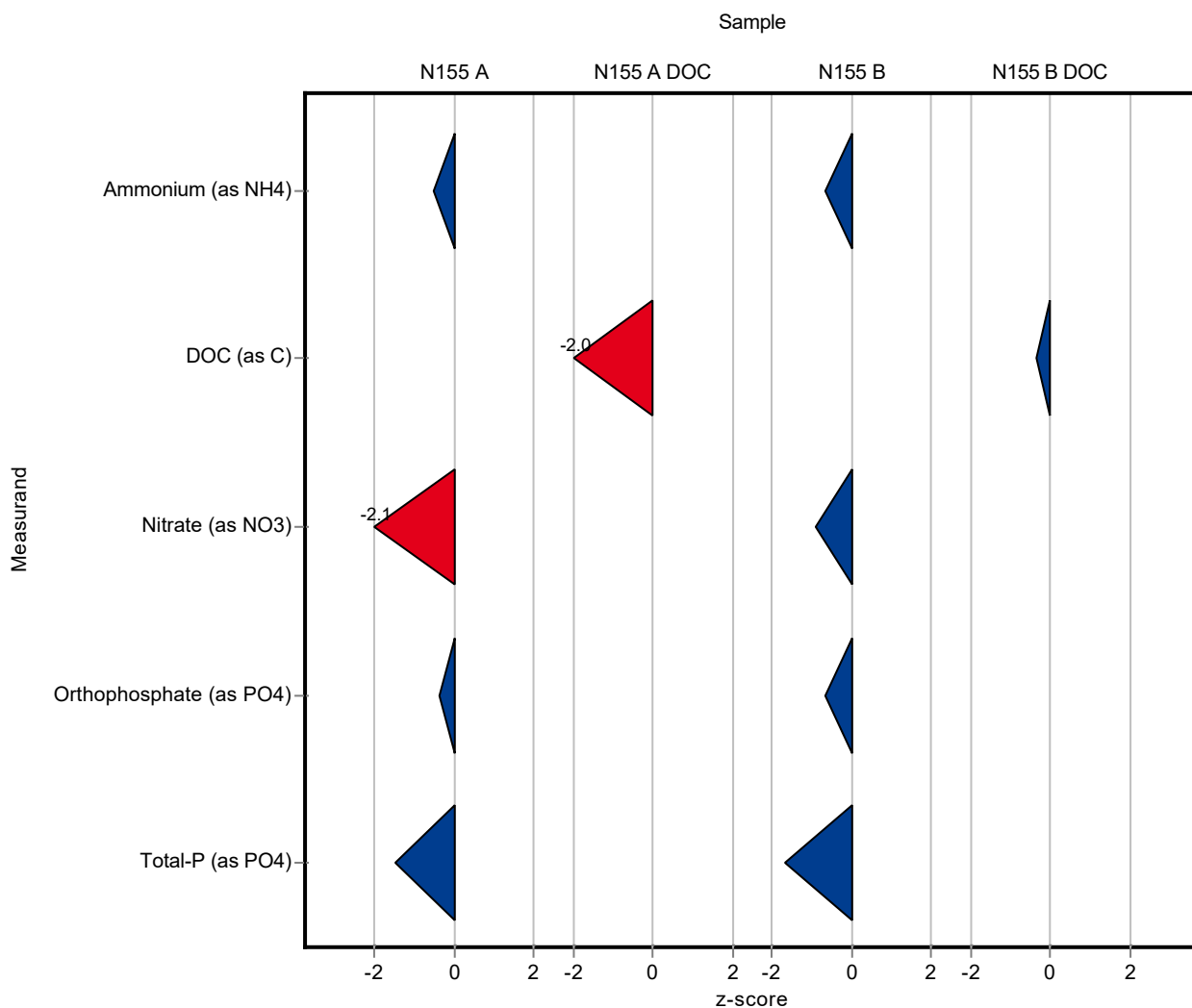
Sample: N155B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	3.11 ± 0.0171	- ± -	0.0622	-	-
Ammonium (as NH ₄)	mg/l	0.359 ± 0.00779	0.33 ± 0.004	0.0431	91.9	-0.68
Boron	mg/l	0.0189 ± 0.000778	- ± -	0.00208	-	-
Calcium	mg/l	58.7 ± 0.681	- ± -	1.82	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Chloride	mg/l	44.2 ± 0.341	- ± -	1.77	-	-
El. conductivity (25°C)	µS/cm	517 ± 1.75	- ± -	6.72	-	-
Hydrogen carbonate	mg/l	189 ± 1.54	- ± -	3.78	-	-
Magnesium	mg/l	12.5 ± 0.185	- ± -	0.501	-	-
Nitrate (as NO ₃)	mg/l	20.1 ± 0.156	19.2 ± 1.85	1.01	95.5	-0.91
Nitrite (as NO ₂)	mg/l	0.24 ± 0.00384	- ± -	0.0127	-	-
Orthophosphate (as PO ₄)	mg/l	0.235 ± 0.00356	0.221 ± 0.017	0.0212	93.8	-0.68
pH-value	-	7.92 ± 0.0209	- ± -	0.158	-	-
Potassium	mg/l	2.94 ± 0.0476	- ± -	0.153	-	-
Sodium	mg/l	25.6 ± 0.277	- ± -	0.87	-	-
Sulfate (as SO ₄)	mg/l	24.7 ± 0.31	- ± -	0.815	-	-
Total-P (as PO ₄)	mg/l	1.1 ± 0.0151	0.958 ± 0.1	0.0824	87.2	-1.70
Total hardness	mmol/l	2 ± 0.0126	- ± -	0.0599	-	-
Total nitrogen	mg/l	5.05 ± 0.0813	- ± -	0.42	-	-

Sample: N155BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	4.27 ± 0.0971	4.12 ± 0.21	0.427	96.6	-0.34



Sample: N155A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	7.28 ± 0.029	- ± -	0.146	-	-
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00275	0.08 ± 0.005	0.0102	93.7	-0.52
Boron	mg/l	0.0534 ± 0.00214	- ± -	0.00588	-	-
Calcium	mg/l	155 ± 2	- ± -	4.82	-	-
Chloride	mg/l	85.1 ± 0.62	- ± -	3.4	-	-
El. conductivity (25°C)	µS/cm	1080 ± 4.42	- ± -	14	-	-
Hydrogen carbonate	mg/l	442 ± 1.46	- ± -	8.84	-	-
Magnesium	mg/l	36.2 ± 0.459	- ± -	1.45	-	-
Nitrate (as NO ₃)	mg/l	10.7 ± 0.126	9.6 ± 1.5	0.537	89.4	-0.38
Nitrite (as NO ₂)	mg/l	0.102 ± 0.00202	- ± -	0.00539	-	-
Orthophosphate (as PO ₄)	mg/l	0.0589 ± 0.00231	0.057 ± 0.013	0.0053	96.8	-0.07
pH-value	-	7.73 ± 0.027	- ± -	0.155	-	-
Potassium	mg/l	2.4 ± 0.0526	- ± -	0.125	-	-
Sodium	mg/l	21.5 ± 0.289	- ± -	0.73	-	-
Sulfate (as SO ₄)	mg/l	94.2 ± 1.02	- ± -	3.11	-	-
Total-P (as PO ₄)	mg/l	1.16 ± 0.0213	1.03 ± 0.01	0.0869	88.9	-4.39
Total hardness	mmol/l	5.41 ± 0.0392	- ± -	0.162	-	-
Total nitrogen	mg/l	2.59 ± 0.0647	- ± -	0.215	-	-

Sample: N155ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	2.07 ± 0.0588	1.65 ± 0.42	0.207	79.6	-0.50

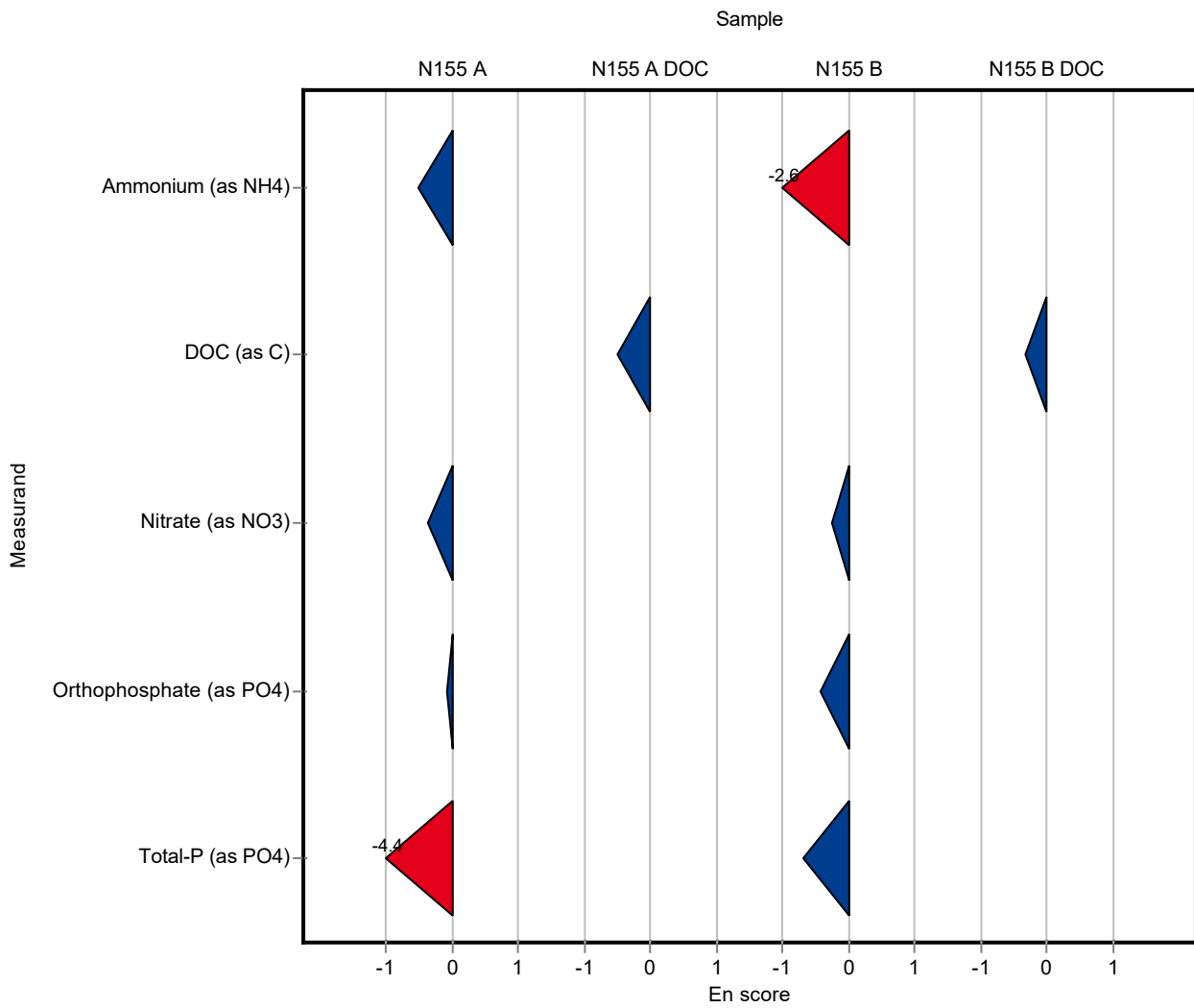
Sample: N155B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	3.11 ± 0.0171	- ± -	0.0622	-	-
Ammonium (as NH ₄)	mg/l	0.359 ± 0.00779	0.33 ± 0.004	0.0431	91.9	-2.61
Boron	mg/l	0.0189 ± 0.000778	- ± -	0.00208	-	-
Calcium	mg/l	58.7 ± 0.681	- ± -	1.82	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Chloride	mg/l	44.2 ± 0.341	- ± -	1.77	-	-
El. conductivity (25°C)	µS/cm	517 ± 1.75	- ± -	6.72	-	-
Hydrogen carbonate	mg/l	189 ± 1.54	- ± -	3.78	-	-
Magnesium	mg/l	12.5 ± 0.185	- ± -	0.501	-	-
Nitrate (as NO ₃)	mg/l	20.1 ± 0.156	19.2 ± 1.85	1.01	95.5	-0.25
Nitrite (as NO ₂)	mg/l	0.24 ± 0.00384	- ± -	0.0127	-	-
Orthophosphate (as PO ₄)	mg/l	0.235 ± 0.00356	0.221 ± 0.017	0.0212	93.8	-0.42
pH-value	-	7.92 ± 0.0209	- ± -	0.158	-	-
Potassium	mg/l	2.94 ± 0.0476	- ± -	0.153	-	-
Sodium	mg/l	25.6 ± 0.277	- ± -	0.87	-	-
Sulfate (as SO ₄)	mg/l	24.7 ± 0.31	- ± -	0.815	-	-
Total-P (as PO ₄)	mg/l	1.1 ± 0.0151	0.958 ± 0.1	0.0824	87.2	-0.70
Total hardness	mmol/l	2 ± 0.0126	- ± -	0.0599	-	-
Total nitrogen	mg/l	5.05 ± 0.0813	- ± -	0.42	-	-

Sample: N155BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	4.27 ± 0.0971	4.12 ± 0.21	0.427	96.6	-0.34



Sample: N155A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	7.28 ± 0.029	7.345 ± 0.1	0.146	101	0.42
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00275	0.0776 ± 0.003	0.0102	90.9	-0.76
Boron	mg/l	0.0534 ± 0.00214	- ± -	0.00588	-	-
Calcium	mg/l	155 ± 2	152.48 ± 1	4.82	98.2	-0.59
Chloride	mg/l	85.1 ± 0.62	83.42 ± 0.2	3.4	98.1	-0.48
El. conductivity (25°C)	µS/cm	1080 ± 4.42	1075 ± 2	14	99.6	-0.29
Hydrogen carbonate	mg/l	442 ± 1.46	448 ± 6.1	8.84	101	0.68
Magnesium	mg/l	36.2 ± 0.459	35.75 ± 0.2	1.45	98.8	-0.30
Nitrate (as NO ₃)	mg/l	10.7 ± 0.126	10.69 ± 0.4	0.537	99.5	-0.09
Nitrite (as NO ₂)	mg/l	0.102 ± 0.00202	0.097 ± 0.002	0.00539	95.3	-0.88
Orthophosphate (as PO ₄)	mg/l	0.0589 ± 0.00231	0.0465 ± 0.002	0.0053	79	-2.34
pH-value	-	7.73 ± 0.027	7.86 ± 0.05	0.155	102	0.82
Potassium	mg/l	2.4 ± 0.0526	2.24 ± 0.02	0.125	93.4	-1.26
Sodium	mg/l	21.5 ± 0.289	21.08 ± 0.2	0.73	98.1	-0.55
Sulfate (as SO ₄)	mg/l	94.2 ± 1.02	93.51 ± 2	3.11	99.2	-0.24
Total-P (as PO ₄)	mg/l	1.16 ± 0.0213	1.132 ± 0.005	0.0869	97.8	-0.30
Total hardness	mmol/l	5.41 ± 0.0392	5.456 ± 0.1	0.162	101	0.28
Total nitrogen	mg/l	2.59 ± 0.0647	2.58 ± 0.2	0.215	99.8	-0.03

Sample: N155ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.07 ± 0.0588	2.04 ± 0.2	0.207	98.4	-0.16

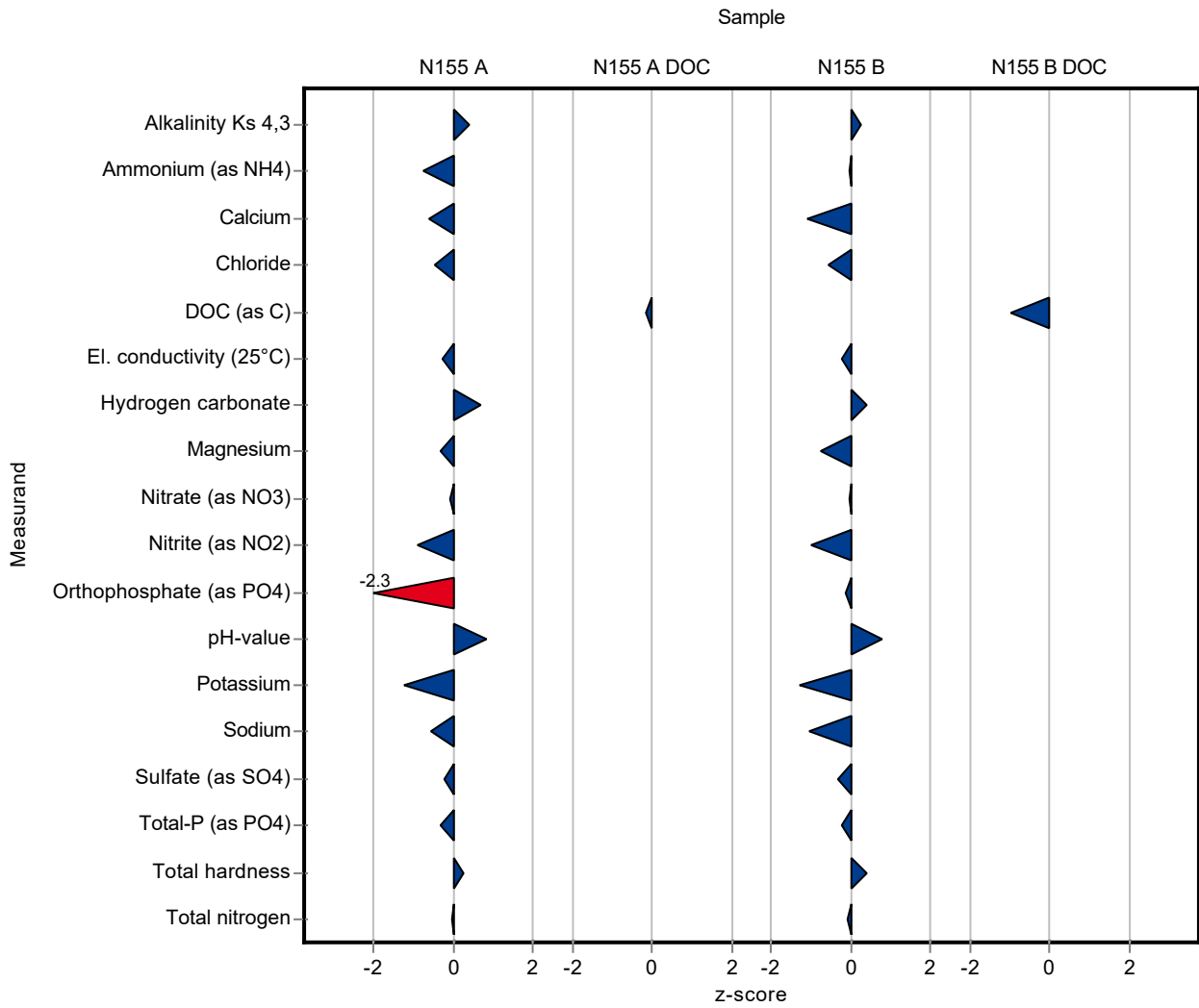
Sample: N155B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	3.11 ± 0.0171	3.125 ± 0.1	0.0622	101	0.25
Ammonium (as NH ₄)	mg/l	0.359 ± 0.00779	0.3574 ± 0.003	0.0431	99.5	-0.04
Boron	mg/l	0.0189 ± 0.000778	- ± -	0.00208	-	-
Calcium	mg/l	58.7 ± 0.681	56.77 ± 1	1.82	96.6	-1.08

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Chloride	mg/l	44.2 ± 0.341	43.2 ± 0.2	1.77	97.8	-0.56
El. conductivity (25°C)	µS/cm	517 ± 1.75	515.4 ± 2	6.72	99.7	-0.25
Hydrogen carbonate	mg/l	189 ± 1.54	190.6 ± 6.1	3.78	101	0.41
Magnesium	mg/l	12.5 ± 0.185	12.13 ± 0.2	0.501	96.9	-0.78
Nitrate (as NO ₃)	mg/l	20.1 ± 0.156	20.1 ± 0.4	1.01	99.9	-0.01
Nitrite (as NO ₂)	mg/l	0.24 ± 0.00384	0.2272 ± 0.002	0.0127	94.7	-0.99
Orthophosphate (as PO ₄)	mg/l	0.235 ± 0.00356	0.2328 ± 0.002	0.0212	98.9	-0.13
pH-value	-	7.92 ± 0.0209	8.05 ± 0.05	0.158	102	0.80
Potassium	mg/l	2.94 ± 0.0476	2.74 ± 0.02	0.153	93.2	-1.31
Sodium	mg/l	25.6 ± 0.277	24.65 ± 0.2	0.87	96.4	-1.07
Sulfate (as SO ₄)	mg/l	24.7 ± 0.31	24.41 ± 2	0.815	98.9	-0.34
Total-P (as PO ₄)	mg/l	1.1 ± 0.0151	1.081 ± 0.005	0.0824	98.4	-0.21
Total hardness	mmol/l	2 ± 0.0126	2.02 ± 0.1	0.0599	101	0.40
Total nitrogen	mg/l	5.05 ± 0.0813	5.01 ± 0.2	0.42	99.1	-0.11

Sample: N155BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	4.27 ± 0.0971	3.84 ± 0.2	0.427	90	-1.00



Sample: N155A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	7.28 ± 0.029	7.345 ± 0.1	0.146	101	0.31
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00275	0.0776 ± 0.003	0.0102	90.9	-1.17
Boron	mg/l	0.0534 ± 0.00214	- ± -	0.00588	-	-
Calcium	mg/l	155 ± 2	152.48 ± 1	4.82	98.2	-1.01
Chloride	mg/l	85.1 ± 0.62	83.42 ± 0.2	3.4	98.1	-2.21
El. conductivity (25°C)	µS/cm	1080 ± 4.42	1075 ± 2	14	99.6	-0.68
Hydrogen carbonate	mg/l	442 ± 1.46	448 ± 6.1	8.84	101	0.49
Magnesium	mg/l	36.2 ± 0.459	35.75 ± 0.2	1.45	98.8	-0.72
Nitrate (as NO ₃)	mg/l	10.7 ± 0.126	10.69 ± 0.4	0.537	99.5	-0.06
Nitrite (as NO ₂)	mg/l	0.102 ± 0.00202	0.097 ± 0.002	0.00539	95.3	-1.06
Orthophosphate (as PO ₄)	mg/l	0.0589 ± 0.00231	0.0465 ± 0.002	0.0053	79	-2.68
pH-value	-	7.73 ± 0.027	7.86 ± 0.05	0.155	102	1.23
Potassium	mg/l	2.4 ± 0.0526	2.24 ± 0.02	0.125	93.4	-2.38
Sodium	mg/l	21.5 ± 0.289	21.08 ± 0.2	0.73	98.1	-0.81
Sulfate (as SO ₄)	mg/l	94.2 ± 1.02	93.51 ± 2	3.11	99.2	-0.18
Total-P (as PO ₄)	mg/l	1.16 ± 0.0213	1.132 ± 0.005	0.0869	97.8	-1.11
Total hardness	mmol/l	5.41 ± 0.0392	5.456 ± 0.1	0.162	101	0.22
Total nitrogen	mg/l	2.59 ± 0.0647	2.58 ± 0.2	0.215	99.8	-0.01

Sample: N155ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	2.07 ± 0.0588	2.04 ± 0.2	0.207	98.4	-0.08

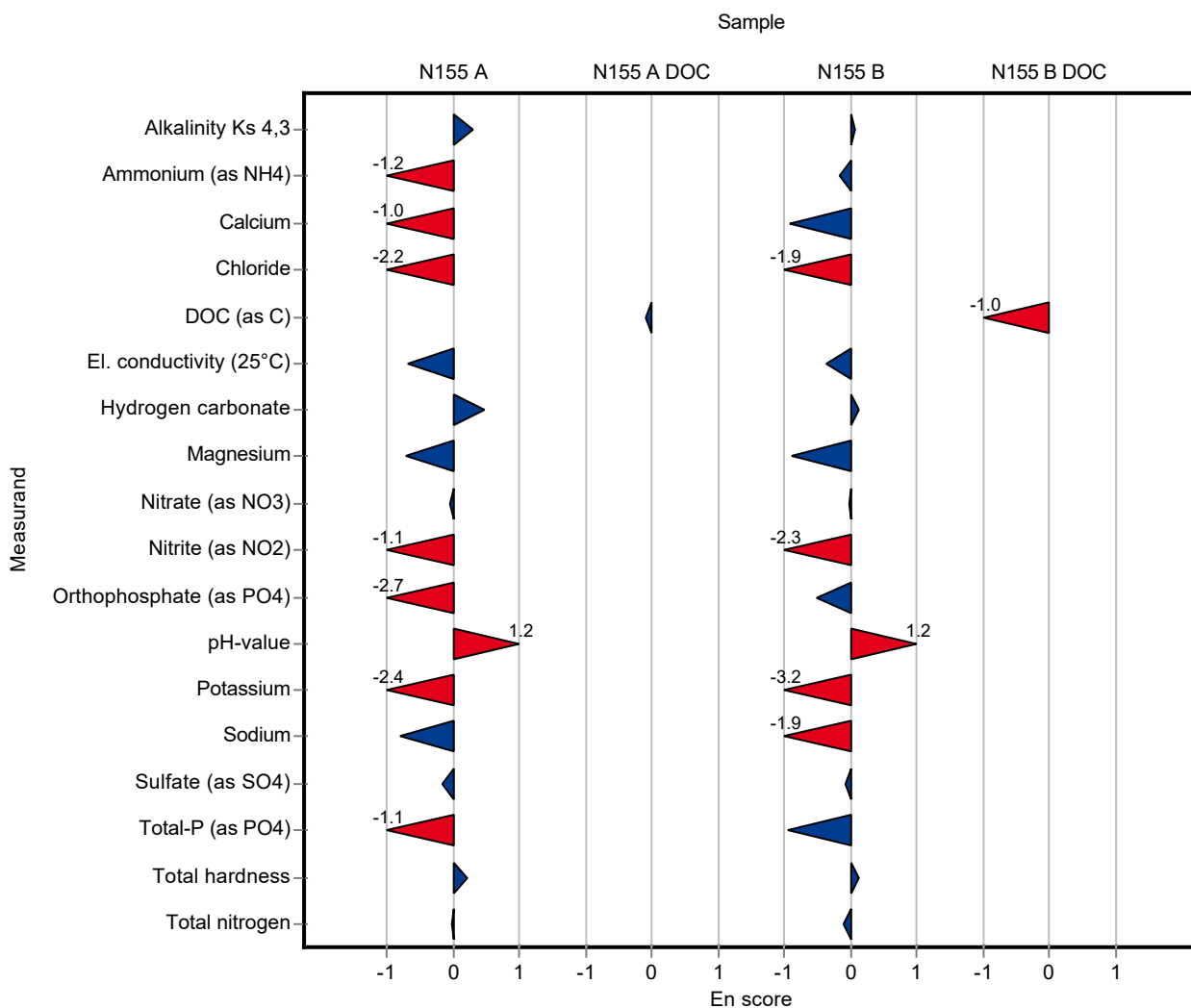
Sample: N155B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	3.11 ± 0.0171	3.125 ± 0.1	0.0622	101	0.08
Ammonium (as NH ₄)	mg/l	0.359 ± 0.00779	0.3574 ± 0.003	0.0431	99.5	-0.18
Boron	mg/l	0.0189 ± 0.000778	- ± -	0.00208	-	-
Calcium	mg/l	58.7 ± 0.681	56.77 ± 1	1.82	96.6	-0.93

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Chloride	mg/l	44.2 ± 0.341	43.2 ± 0.2	1.77	97.8	-1.87
El. conductivity (25°C)	µS/cm	517 ± 1.75	515.4 ± 2	6.72	99.7	-0.38
Hydrogen carbonate	mg/l	189 ± 1.54	190.6 ± 6.1	3.78	101	0.13
Magnesium	mg/l	12.5 ± 0.185	12.13 ± 0.2	0.501	96.9	-0.89
Nitrate (as NO ₃)	mg/l	20.1 ± 0.156	20.1 ± 0.4	1.01	99.9	-0.02
Nitrite (as NO ₂)	mg/l	0.24 ± 0.00384	0.2272 ± 0.002	0.0127	94.7	-2.27
Orthophosphate (as PO ₄)	mg/l	0.235 ± 0.00356	0.2328 ± 0.002	0.0212	98.9	-0.50
pH-value	-	7.92 ± 0.0209	8.05 ± 0.05	0.158	102	1.23
Potassium	mg/l	2.94 ± 0.0476	2.74 ± 0.02	0.153	93.2	-3.22
Sodium	mg/l	25.6 ± 0.277	24.65 ± 0.2	0.87	96.4	-1.91
Sulfate (as SO ₄)	mg/l	24.7 ± 0.31	24.41 ± 2	0.815	98.9	-0.07
Total-P (as PO ₄)	mg/l	1.1 ± 0.0151	1.081 ± 0.005	0.0824	98.4	-0.94
Total hardness	mmol/l	2 ± 0.0126	2.02 ± 0.1	0.0599	101	0.12
Total nitrogen	mg/l	5.05 ± 0.0813	5.01 ± 0.2	0.42	99.1	-0.11

Sample: N155BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	4.27 ± 0.0971	3.84 ± 0.2	0.427	90	-1.03



Sample: N155A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	7.28 ± 0.029	7.35 ± 0.74	0.146	101	0.46
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00275	0.09 ± 0.018	0.0102	105	0.45
Boron	mg/l	0.0534 ± 0.00214	- ± -	0.00588	-	-
Calcium	mg/l	155 ± 2	157 ± 15.7	4.82	101	0.35
Chloride	mg/l	85.1 ± 0.62	87.6 ± 8.8	3.4	103	0.75
El. conductivity (25°C)	µS/cm	1080 ± 4.42	1060 ± 42.4	14	98.2	-1.36
Hydrogen carbonate	mg/l	442 ± 1.46	445 ± 44.5	8.84	101	0.34
Magnesium	mg/l	36.2 ± 0.459	36.5 ± 3.7	1.45	101	0.22
Nitrate (as NO ₃)	mg/l	10.7 ± 0.126	11 ± 1.1	0.537	102	0.48
Nitrite (as NO ₂)	mg/l	0.102 ± 0.00202	0.08 ± 0.016	0.00539	78.6	-4.04
Orthophosphate (as PO ₄)	mg/l	0.0589 ± 0.00231	- ± -	0.0053	-	-
pH-value	-	7.73 ± 0.027	7.7 ± 0.1	0.155	99.6	-0.21
Potassium	mg/l	2.4 ± 0.0526	2.5 ± 0.5	0.125	104	0.82
Sodium	mg/l	21.5 ± 0.289	21.6 ± 2.2	0.73	101	0.16
Sulfate (as SO ₄)	mg/l	94.2 ± 1.02	96 ± 9.6	3.11	102	0.56
Total-P (as PO ₄)	mg/l	1.16 ± 0.0213	- ± -	0.0869	-	-
Total hardness	mmol/l	5.41 ± 0.0392	5.42 ± 0.54	0.162	100	0.06
Total nitrogen	mg/l	2.59 ± 0.0647	- ± -	0.215	-	-

Sample: N155ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.07 ± 0.0588	2 ± 0.4	0.207	96.4	-0.36

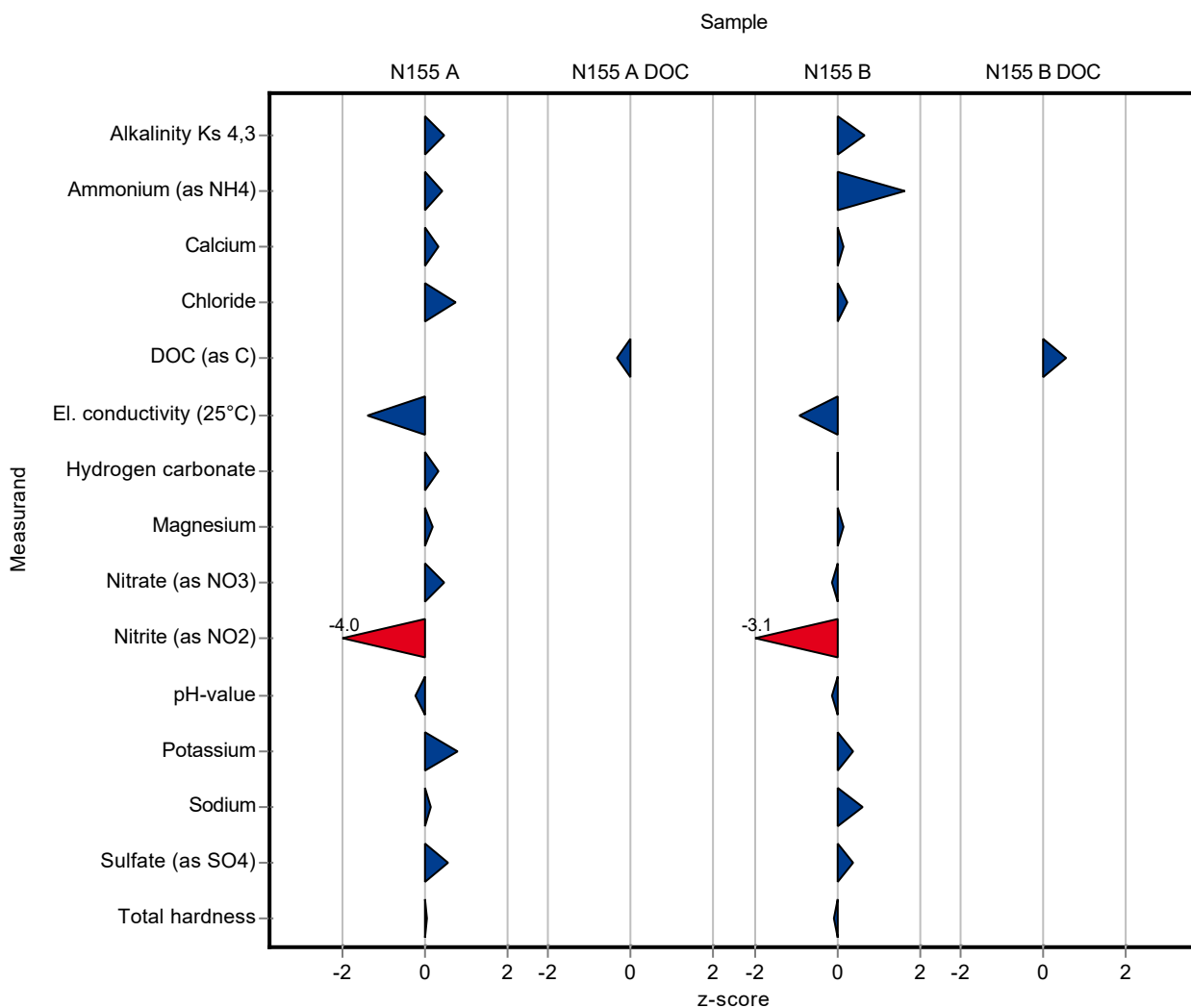
Sample: N155B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	3.11 ± 0.0171	3.15 ± 0.32	0.0622	101	0.65
Ammonium (as NH ₄)	mg/l	0.359 ± 0.00779	0.43 ± 0.09	0.0431	120	1.64
Boron	mg/l	0.0189 ± 0.000778	- ± -	0.00208	-	-
Calcium	mg/l	58.7 ± 0.681	59 ± 5.9	1.82	100	0.14

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Chloride	mg/l	44.2 ± 0.341	44.6 ± 4.5	1.77	101	0.24
El. conductivity (25°C)	µS/cm	517 ± 1.75	511 ± 20.4	6.72	98.8	-0.90
Hydrogen carbonate	mg/l	189 ± 1.54	189 ± 18.9	3.78	100	-0.01
Magnesium	mg/l	12.5 ± 0.185	12.6 ± 1.3	0.501	101	0.15
Nitrate (as NO ₃)	mg/l	20.1 ± 0.156	20 ± 2	1.01	99.4	-0.11
Nitrite (as NO ₂)	mg/l	0.24 ± 0.00384	0.2 ± 0.04	0.0127	83.4	-3.13
Orthophosphate (as PO ₄)	mg/l	0.235 ± 0.00356	- ± -	0.0212	-	-
pH-value	-	7.92 ± 0.0209	7.9 ± 0.1	0.158	99.7	-0.15
Potassium	mg/l	2.94 ± 0.0476	3 ± 0.6	0.153	102	0.39
Sodium	mg/l	25.6 ± 0.277	26.1 ± 2.6	0.87	102	0.60
Sulfate (as SO ₄)	mg/l	24.7 ± 0.31	25 ± 2.5	0.815	101	0.39
Total-P (as PO ₄)	mg/l	1.1 ± 0.0151	- ± -	0.0824	-	-
Total hardness	mmol/l	2 ± 0.0126	1.99 ± 0.2	0.0599	99.7	-0.10
Total nitrogen	mg/l	5.05 ± 0.0813	- ± -	0.42	-	-

Sample: N155BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	4.27 ± 0.0971	4.5 ± 0.9	0.427	105	0.55



Sample: N155A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	7.28 ± 0.029	7.35 ± 0.74	0.146	101	0.05
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00275	0.09 ± 0.018	0.0102	105	0.13
Boron	mg/l	0.0534 ± 0.00214	- ± -	0.00588	-	-
Calcium	mg/l	155 ± 2	157 ± 15.7	4.82	101	0.05
Chloride	mg/l	85.1 ± 0.62	87.6 ± 8.8	3.4	103	0.14
El. conductivity (25°C)	µS/cm	1080 ± 4.42	1060 ± 42.4	14	98.2	-0.22
Hydrogen carbonate	mg/l	442 ± 1.46	445 ± 44.5	8.84	101	0.03
Magnesium	mg/l	36.2 ± 0.459	36.5 ± 3.7	1.45	101	0.04
Nitrate (as NO ₃)	mg/l	10.7 ± 0.126	11 ± 1.1	0.537	102	0.12
Nitrite (as NO ₂)	mg/l	0.102 ± 0.00202	0.08 ± 0.016	0.00539	78.6	-0.68
Orthophosphate (as PO ₄)	mg/l	0.0589 ± 0.00231	- ± -	0.0053	-	-
pH-value	-	7.73 ± 0.027	7.7 ± 0.1	0.155	99.6	-0.16
Potassium	mg/l	2.4 ± 0.0526	2.5 ± 0.5	0.125	104	0.10
Sodium	mg/l	21.5 ± 0.289	21.6 ± 2.2	0.73	101	0.03
Sulfate (as SO ₄)	mg/l	94.2 ± 1.02	96 ± 9.6	3.11	102	0.09
Total-P (as PO ₄)	mg/l	1.16 ± 0.0213	- ± -	0.0869	-	-
Total hardness	mmol/l	5.41 ± 0.0392	5.42 ± 0.54	0.162	100	0.01
Total nitrogen	mg/l	2.59 ± 0.0647	- ± -	0.215	-	-

Sample: N155ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	2.07 ± 0.0588	2 ± 0.4	0.207	96.4	-0.09

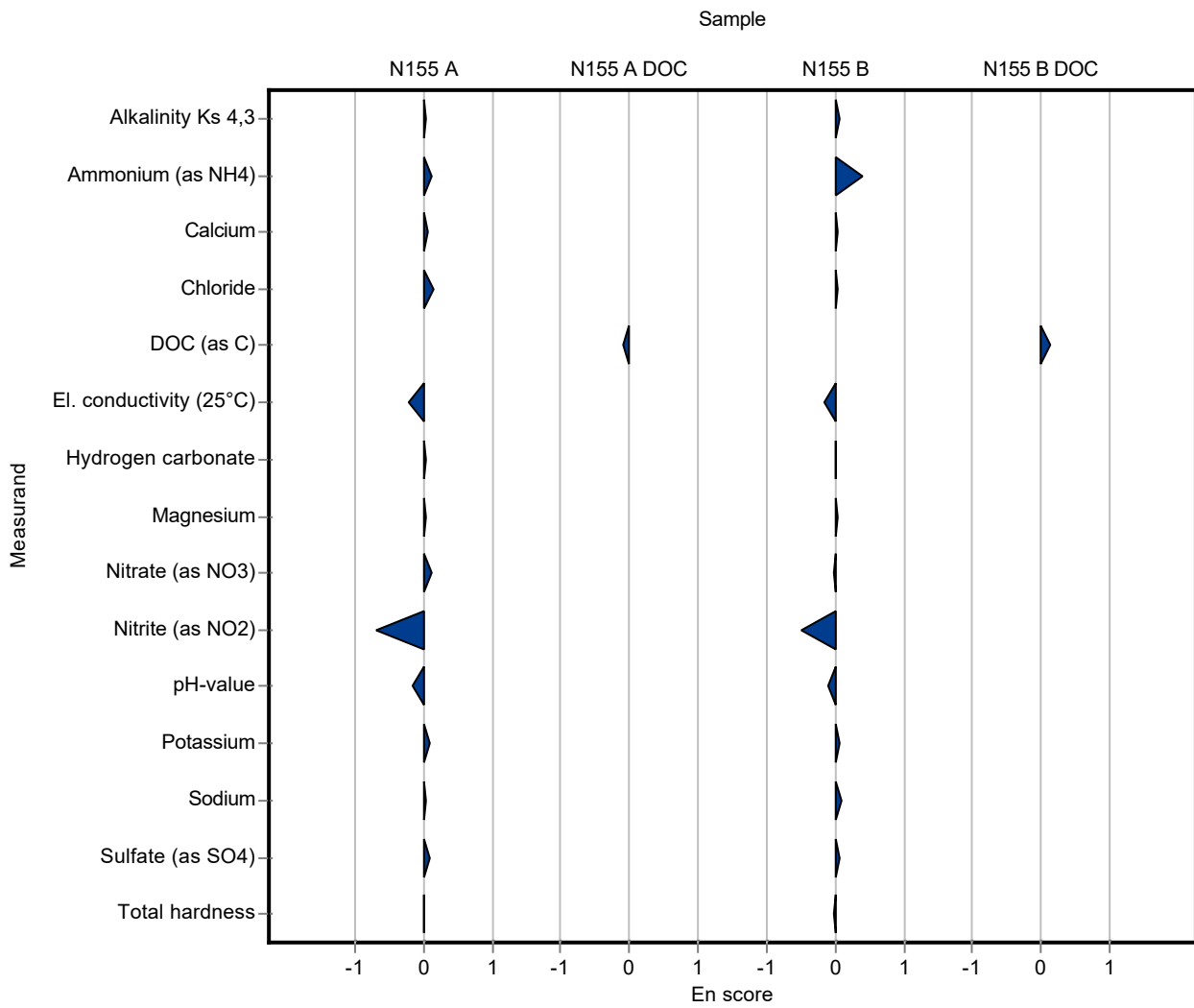
Sample: N155B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	3.11 ± 0.0171	3.15 ± 0.32	0.0622	101	0.06
Ammonium (as NH ₄)	mg/l	0.359 ± 0.00779	0.43 ± 0.09	0.0431	120	0.39
Boron	mg/l	0.0189 ± 0.000778	- ± -	0.00208	-	-
Calcium	mg/l	58.7 ± 0.681	59 ± 5.9	1.82	100	0.02

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Chloride	mg/l	44.2 ± 0.341	44.6 ± 4.5	1.77	101	0.05
El. conductivity (25°C)	µS/cm	517 ± 1.75	511 ± 20.4	6.72	98.8	-0.15
Hydrogen carbonate	mg/l	189 ± 1.54	189 ± 18.9	3.78	100	0.00
Magnesium	mg/l	12.5 ± 0.185	12.6 ± 1.3	0.501	101	0.03
Nitrate (as NO ₃)	mg/l	20.1 ± 0.156	20 ± 2	1.01	99.4	-0.03
Nitrite (as NO ₂)	mg/l	0.24 ± 0.00384	0.2 ± 0.04	0.0127	83.4	-0.50
Orthophosphate (as PO ₄)	mg/l	0.235 ± 0.00356	- ± -	0.0212	-	-
pH-value	-	7.92 ± 0.0209	7.9 ± 0.1	0.158	99.7	-0.12
Potassium	mg/l	2.94 ± 0.0476	3 ± 0.6	0.153	102	0.05
Sodium	mg/l	25.6 ± 0.277	26.1 ± 2.6	0.87	102	0.10
Sulfate (as SO ₄)	mg/l	24.7 ± 0.31	25 ± 2.5	0.815	101	0.06
Total-P (as PO ₄)	mg/l	1.1 ± 0.0151	- ± -	0.0824	-	-
Total hardness	mmol/l	2 ± 0.0126	1.99 ± 0.2	0.0599	99.7	-0.02
Total nitrogen	mg/l	5.05 ± 0.0813	- ± -	0.42	-	-

Sample: N155BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	4.27 ± 0.0971	4.5 ± 0.9	0.427	105	0.13



E9. Methodenübersicht / Overview of methods

LabCode	Sample	Chloride	Total-P (as PO4)	Nitrate (as NO3)	Sulfate (as SO4)	Calcium
LC0001	N155A	IC;(ion chromatography; anions)	IC;(ion chromatography; anions)	IC;(ion chromatography; anions)	IC;(ion chromatography; anions)	IC;(ion chromatography; cations)
LC0002	N155A					
LC0003	N155A					
LC0004	N155A	IC;EN ISO 10304-1 (modified)		IC;EN ISO 10304-1 (modified)	IC;EN ISO 10304-1 (modified)	EN ISO 14911;(modified; IC)
LC0005	N155A	IC;EN ISO 10304-1	EN ISO 15681-2;	IC;EN ISO 10304-1	IC;EN ISO 10304-1	EN ISO 17294-2;ICP-MS
LC0006	N155A					
LC0007	N155A	IC;EN ISO 10304-1	EN ISO 6878;	IC;EN ISO 10304-1	IC;EN ISO 10304-1	EN ISO 11885;
LC0008	N155A	IC;EN ISO 10304-D19/20	EN 1189;(oxisolv digestion; AWE SOP9085; flow injection analysis)	IC;EN ISO 10304-D19/20	IC;EN ISO 10304-D19/20	
LC0009	N155A					
LC0010	N155A	IC;EN ISO 10304-1		IC;EN ISO 10304-1	IC;EN ISO 10304-1	EN ISO 14911;
LC0011	N155A	IC;EN ISO 10304-1	EN ISO 6878;	IC;EN ISO 10304-1	IC;EN ISO 10304-1	EN ISO 14911;
LC0012	N155A	IC;EN ISO 10304-1	EN ISO 11885;(E22)	IC;EN ISO 10304-1	IC;EN ISO 10304-1	EN ISO 14911;
LC0013	N155A	IC;(ion chromatography)	Photometry;(Skalar methods)	DEV-D10;	IC;(ion chromatography)	IC;(ion chromatography)
LC0014	N155A	IC;EN ISO 10304-1		IC;EN ISO 10304-1	IC;EN ISO 10304-1	
LC0015	N155A	IC;EN ISO 10304-1	EN ISO 17294-2;	IC;EN ISO 10304-1	IC;EN ISO 10304-1	EN ISO 17294-2;
LC0016	N155A	EN ISO 15682;(SLMB, IC)		EN ISO 13395;(SLMB; IC)	IC;EN ISO 10304-1 (SLMB)	EN ISO 14911;(housemethod; based on EN ISO 14911; IC)
LC0017	N155A					
LC0018	N155A	IC;EN ISO 10304-1	EN ISO 17294-2;	IC;EN ISO 10304-1	IC;EN ISO 10304-1	EN ISO 7980;(E3a)
LC0019	N155A	IC;EN ISO 10304-1	EN ISO 6878;(D11, Photometry)	IC;EN ISO 10304-1	IC;EN ISO 10304-1	
LC0020	N155A	IC;(ion chromatography)	IC;(ion chromatography)	IC;(ion chromatography)	IC;(ion chromatography)	IC;(ion chromatography)
LC0021	N155A					

LabCode	Sample	Chloride	Total-P (as PO4)	Nitrate (as NO3)	Sulfate (as SO4)	Calcium
LC0022	N155A	IC;EN ISO 10304	ISO 15923-1;	IC;EN ISO 10304	IC;EN ISO 10304	EN ISO 11885;
LC0023	N155A	IC;EN ISO 10304-1	EN ISO 6878;	IC;EN ISO 10304-1	IC;EN ISO 10304-1	EN ISO 14911;IC
LC0024	N155A	DIN 38405-1;	LCK 349;(HACH)	DIN 38405-9;	DIN 38405-5;	DIN 38406-3;
LC0025	N155A	IC;EN ISO 10304-1	EN ISO 6878;	IC;EN ISO 10304-1	IC;EN ISO 10304-4	EN ISO 14911;
LC0026	N155A					
LC0027	N155A	IC;EN ISO 10304-1	EN ISO 11885;	IC;EN ISO 10304-1	IC;EN ISO 10304-1	EN ISO 11885;
LC0028	N155A	IC;EN ISO 10304-1	EN ISO 6878;	IC;EN ISO 10304-1	IC;EN ISO 10304-1	EN ISO 11885;
LC0029	N155A	EN ISO 15682;	EN ISO 17294-2;	EN ISO 13395;	ISO 22743;	EN ISO 17294-2;
LC0030	N155A	IC;	Photometry;	IC;	IC;	IC;
LC0031	N155A	IC;(ion chromatography)	FIA (digestion with persulfate);	IC;(ion chromatography)	IC;(ion chromatography)	ICP-OES;
LC0032	N155A	IC;EN ISO 10304-1	EN ISO 6878;	IC;EN ISO 10304-1	IC;EN ISO 10304-1	EN ISO 14911;
LC0033	N155A		EN ISO 17294-2;			
LC0034	N155A	IC;		IC;	IC;	IC;
LC0035	N155A	IC;EN ISO 10304-1	EN ISO 6878;	IC;EN ISO 10304-1	IC;EN ISO 10304-1	EN ISO 11885;
LC0036	N155A					
LC0037	N155A	IC;EN ISO 10304-1	EN ISO 6878;	IC;EN ISO 10304-1	IC;EN ISO 10304-1	EN ISO 14911;
LC0038	N155A		EN ISO 6878 (reduction metol-pyrosulfite);(D11)			
LC0039	N155A	IC;EN ISO 10304-1	EN ISO 6878;	IC;EN ISO 10304-1	IC;EN ISO 10304-1	EN ISO 17294-2;(corr; 17294-1)
LC0040	N155A	IC;EN ISO 10304-1	EN ISO 11885;	IC;EN ISO 10304-1	IC;EN ISO 10304-1	EN ISO 11885;
LC0041	N155A	IC;EN ISO 10304-1	EN ISO 17294-2;	IC;EN ISO 10304-1	IC;EN ISO 10304-1	EN ISO 17294-2;
LC0042	N155A	IC;EN ISO 10304-1	EN ISO 6878;	IC;EN ISO 10304-1	IC;EN ISO 10304-1	EN ISO 17294-2;

LabCode	Sample	Chloride	Total-P (as PO4)	Nitrate (as NO3)	Sulfate (as SO4)	Calcium
LC0043	N155A		EN ISO 6878;			
LC0044	N155A					
LC0045	N155A	Photometry;(HACH Lange)		Photometry;(HACH Lange)	Photometry;(HACH Lange)	Photometry;(HACH Lange)
LC0046	N155A	IC;EN ISO 10304-1	EN ISO 6878;(D11)	IC;EN ISO 10304-1	EN ISO 10523;(C5)	EN ISO 11885;
LC0047	N155A		DIN 38405-11;(corr; DIN 38406; D11)	DIN 38405-9;(D9)		
LC0048	N155A					
LC0049	N155A	IC;EN ISO 10304-1	EN ISO 15681-2;	IC;EN ISO 10304-1	IC;EN ISO 10304-1	EN ISO 14911;
LC0050	N155A	IC;EN ISO 10304-1	EN ISO 11885;ICP-OES	IC;EN ISO 10304-1	IC;EN ISO 10304-1	EN ISO 11885;ICP-OES
LC0051	N155A	IC;EN ISO 10304-1	EN ISO 6878;	IC;EN ISO 10304-1	IC;EN ISO 10304-1	EN ISO 14911;
LC0052	N155A					
LC0053	N155A	EN ISO 15682;		EN ISO 13395;	ISO 22743;	EN ISO 11885;
LC0054	N155A	IC;EN ISO 10304-1	EN ISO 6878;	IC;EN ISO 10304-1	IC;EN ISO 10304-1	EN ISO 11885;ICP-OES
LC0055	N155A	housemethod;	housemethod;	housemethod;	housemethod;	housemethod;
LC0056	N155A	OENORM M 6289;	EN ISO 6878;(EN ISO 6878-11)	DIN 38405-1;		
LC0057	N155A	DIN 38405-1;		Reflectoquant;		
LC0058	N155A	IC;EN ISO 10304-1	EN ISO 6878;	IC;EN ISO 10304-1	IC;EN ISO 10304-1	EN ISO 14911;
LC0059	N155A	IC;EN ISO 10304-1	EN ISO 15681-2;	IC;EN ISO 10304-1	IC;EN ISO 10304-1	EN ISO 17294-2;(corr. 12794-2)
LC0060	N155A		EN ISO 6878;			
LC0061	N155A	IC;EN ISO 10304-1	EN ISO 6878;	IC;EN ISO 10304-1	IC;EN ISO 10304-1	EN ISO 14911;(corr. EN ISO 19411)
LC0062	N155A	housemethod (IC);SOPW1430 (IC)		housemethod (IC);SOPW1430 (IC)	housemethod (IC);SOPW1430 (IC)	housemethod (IC);SOPW1210 (IC)

LabCode	Sample	Potassium	Magnesium	Sodium	Ammonium (as NH4)	Alkalinity Ks 4,3
LC0001	N155A	IC;(ion chromatography; cations)	IC;(ion chromatography; cations)	IC;(ion chromatography; cations)	IC;(ion chromatography; cations)	
LC0002	N155A					
LC0003	N155A					EN ISO 10523;(C5)
LC0004	N155A	EN ISO 14911;(modified; IC)	EN ISO 14911;(modified; IC)	EN ISO 14911;(modified; IC)	EN ISO 7150-1;(modified; photometry UV-VIS)	EN ISO 9963-1;(modified; titrimetry)
LC0005	N155A	EN ISO 17294-2;ICP-MS	EN ISO 17294-2;ICP-MS	EN ISO 17294-2;ICP-MS	EN ISO 11732;	EN ISO 9963-1;
LC0006	N155A					DIN 38409-7;
LC0007	N155A	EN ISO 11885;	EN ISO 11885;	EN ISO 11885;	EN ISO 11732;	DIN 38409-7;
LC0008	N155A				EN ISO 11732;(E23, flow injection analysis)	
LC0009	N155A					
LC0010	N155A	EN ISO 14911;	EN ISO 14911;	EN ISO 14911;	DIN 38406-5;	EN ISO 9963-1;
LC0011	N155A	EN ISO 14911;	EN ISO 14911;	EN ISO 14911;	EN ISO 11732;	DIN 38409-7;
LC0012	N155A	EN ISO 14911;	EN ISO 14911;	EN ISO 14911;	ISO 15923-1;(corr. ISO 15923)	DIN 38409-7;(H7)
LC0013	N155A	IC;(ion chromatography)	IC;(ion chromatography)	IC;(ion chromatography)	Photometry;	EN ISO 9964-1;
LC0014	N155A					
LC0015	N155A	EN ISO 17294-2;	EN ISO 17294-2;	EN ISO 17294-2;	DIN 38406-5;	DIN 38409-7;
LC0016	N155A	EN ISO 14911;(SLMB; modified; IC)	EN ISO 14911;(SLMB; modified; IC)	EN ISO 14911;(SLMB; modified; IC)	UV-VIS Spectrometry;(SLMB; UV-VIS)	EN ISO 9963-1;(Titration)
LC0017	N155A					
LC0018	N155A	DIN 38406-13;	EN ISO 7980;(E3a)	DIN 38406-14;	DIN 38406-5;	DIN 38409-7;
LC0019	N155A				DIN 38406-5;Photometry	
LC0020	N155A	IC;(ion chromatography)	IC;(ion chromatography)	IC;(ion chromatography)	IC;(ion chromatography)	
LC0021	N155A					

LabCode	Sample	Potassium	Magnesium	Sodium	Ammonium (as NH4)	Alkalinity Ks 4,3
LC0022	N155A	EN ISO 14911; C	EN ISO 14911; C	EN ISO 14911; C	EN ISO 11732;	DIN 38409-7;(H7)
LC0023	N155A	EN ISO 9964-3;	DIN 38406-3;	EN ISO 9964-3;	DIN 38406-5;(5-1)	DIN 38409-7;
LC0024	N155A	EN ISO 14911;	EN ISO 14911;	EN ISO 14911;	EN ISO 7150-1;	EN ISO 9963-1;
LC0025	N155A					DIN 38409-7;(H7-2)
LC0026	N155A	EN ISO 11885;	EN ISO 11885;	EN ISO 11885;	DIN 38406-5;(E5)	DIN 38409-7;
LC0027	N155A	EN ISO 11885;	EN ISO 11885;	EN ISO 11885;	DIN 38406-5;	DIN 38409-7;
LC0028	N155A	EN ISO 17294-2;	EN ISO 17294-2;	EN ISO 17294-2;	EN ISO 11732;	EN ISO 9963-1;
LC0029	N155A	IC;	IC;	IC;	Photometry;	Potentiometry;(potentiometric titration)
LC0030	N155A	ICP-OES;	ICP-OES;	ICP-OES;	Photometry;(690nm)	Titrimetry;
LC0031	N155A	EN ISO 14911;	EN ISO 14911;	EN ISO 14911;	EN ISO 10523;	EN ISO 9963-1;
LC0032	N155A					
LC0033	N155A	IC;	IC;	IC;	ISO 15923-1;	DIN 38409-7;(H7)
LC0034	N155A	EN ISO 11885;	EN ISO 11885;	EN ISO 11885;	EN ISO 11732;	DIN 38409-7;
LC0035	N155A					DIN 38409-7;(H7-2)
LC0036	N155A	EN ISO 14911;	EN ISO 14911;	EN ISO 14911;	DIN 38406;	DIN 38409-7;
LC0037	N155A					
LC0038	N155A	EN ISO 17294-2;(corr; 17294-1)	EN ISO 17294-2;(corr; 17294-1)	EN ISO 17294-2;(corr; 17294-1)	EN ISO 7150-1;	EN ISO 9963-1;
LC0039	N155A	EN ISO 11885;	EN ISO 11885;	EN ISO 11885;	DIN 38406-5;	DIN 38409;(corr. 30409)
LC0040	N155A	EN ISO 17294-2;	EN ISO 17294-2;	EN ISO 17294-2;	EN ISO 7150-1;	
LC0041	N155A	EN ISO 17294-2;	EN ISO 17294-2;	EN ISO 17294-2;	EN ISO 7150-1;	DIN 38409-7;
LC0042	N155A	EN ISO 14911; C	EN ISO 14911; C	EN ISO 14911; C	EN ISO 11732;	DIN 38409-7;(H7)

LabCode	Sample	Potassium	Magnesium	Sodium	Ammonium (as NH4)	Alkalinity Ks 4,3
LC0043	N155A					DIN 38409-7;(H7)
LC0044	N155A					DIN 38409-7;
LC0045	N155A		Photometry;(HACH Lange)			
LC0046	N155A	EN ISO 11885;	EN ISO 11885;	EN ISO 11885;	DIN 38406-5;(E5)	DIN 38409-7;(H7-2)
LC0047	N155A				DIN 38406-5;(E5)	
LC0048	N155A					DIN 38409-7;
LC0049	N155A	EN ISO 14911;	EN ISO 14911;	EN ISO 14911;	EN ISO 11732;	DIN 38409-7;
LC0050	N155A	EN ISO 11885;ICP-OES	EN ISO 11885;ICP-OES	EN ISO 11885;ICP-OES	DIN 38406-5;(E5-1; Photometry)	DIN 38409-7;(H7-1-2;titration)
LC0051	N155A	EN ISO 14911;	EN ISO 14911;	EN ISO 14911;	DIN 38406;	EN ISO 9963-1;
LC0052	N155A					DIN 38409-7;(H7)
LC0053	N155A	EN ISO 9964-3;	EN ISO 11885;	EN ISO 9964-3;	EN ISO 11732;	
LC0054	N155A	EN ISO 11885;ICP-OES	EN ISO 11885;ICP-OES	EN ISO 11885;ICP-OES	DIN 38406-5;	DIN 38409-6;
LC0055	N155A	housemethod;	housemethod;	housemethod;	housemethod;	housemethod;
LC0056	N155A				DIN 38406-5;	DIN 38409-7;(7-2)
LC0057	N155A					EN ISO 9963-1;
LC0058	N155A	EN ISO 14911;	EN ISO 14911;	EN ISO 14911;	EN ISO 7150-1;	EN ISO 9963-1;
LC0059	N155A	EN ISO 17294-2;(corr. 12794-2)	EN ISO 17294-2;(corr. 12794-2)	EN ISO 17294-2;(corr. 12794-2)	EN ISO 11732;	DIN 38409-7;
LC0060	N155A				EN ISO 7150-1;(corr 7150)	
LC0061	N155A	EN ISO 14911;	EN ISO 14911;	EN ISO 14911;	DIN 38406-5;(E5)	EN ISO 9963-1;
LC0062	N155A	housemethod (IC);SOPW1210 (IC)	housemethod (IC);SOPW1210 (IC)	housemethod (IC);SOPW1210 (IC)	housemethod (UV/VIS);SOPW1270 (UV/VIS)	housemethod;SOPW1170

LabCode	Sample	Boron	Total hardness	Hydrogen carbonate	El. conductivity (25°C)	Nitrite (as NO ₂)
LC0001	N155A					
LC0002	N155A					
LC0003	N155A				EN 27888;(C8)	
LC0004	N155A		IC;(ion chromatography)	EN ISO 9963-1;(titrimetry)	ISO 7888;(conductometry)	EN ISO 6777;(modified; photometry UV-VIS)
LC0005	N155A	EN ISO 17294-2;ICP-MS	DIN 38409-6;	EN ISO 9963-1;	EN 27888;	EN ISO 13395;
LC0006	N155A		DIN 38409-6;	DIN 38409-7;		
LC0007	N155A	EN ISO 11885;	DIN 38409-6;	DIN 38405-8;	EN 27888;	EN ISO 13395;
LC0008	N155A				EN 27888;(C8, conductometry)	EN 26777;(D10 Flow injection analysis)
LC0009	N155A					
LC0010	N155A		EN ISO 14911;	EN ISO 9963-1;	EN 27888;	EN 26777;
LC0011	N155A	EN ISO 17294-2;	DIN 38409-6;	DIN 38409-7;	EN 27888;	EN ISO 13395;
LC0012	N155A	EN ISO 17294-2;(E29)	DIN 38409-6;(H6)	DIN 38409-7;(H7)	EN 27888;(C8)	ISO 15923-1;(corr. ISO 15923)
LC0013	N155A		Calculated;(Ca+Mg)		Conductometry;(conductivity)	DEV-D10;
LC0014	N155A				EN 27888;	
LC0015	N155A	EN ISO 17294-2;	EN ISO 17294-2;	DIN 38409-7;	EN 27888;	IC;EN ISO 10304-1
LC0016	N155A	ICP-MS;(housemethod)	Titrimetry;(SLMB; ISO Titration)	Titrimetry;(SLMB; ISO Titration)	EN 27888;conductometry	EN ISO 13395;(SLMB; photometry)
LC0017	N155A				housemethod;(SOP pH & conductivity; conductivity sensor graphite)	
LC0018	N155A	EN ISO 17294-2;	DIN 38406-3;	Calculated;	EN 27888;	EN 26777;(D10)
LC0019	N155A				EN 27888;	EN 26777;(corr; D10, Photometry)
LC0020	N155A			Titrimetry;(titration)	Potentiometry;pH-meter	IC;(ion chromatography)
LC0021	N155A					

LabCode	Sample	Boron	Total hardness	Hydrogen carbonate	El. conductivity (25°C)	Nitrite (as NO2)
LC0022	N155A	EN ISO 11885;	Calculated;(Ca+Mg)	DIN 38409-7;	EN 27888;	ISO 15923-1;
LC0023	N155A	not analyzed;	not calculated ;	not analyzed;	EN 27888;(C8)	EN 26777;
LC0024	N155A		DIN 38406-3;		EN 27888;	EN 26777;
LC0025	N155A		DIN 38409-6;	EN ISO 9963-1;	EN 27888;	EN 26777;
LC0026	N155A				EN 27888;(C8)	
LC0027	N155A	EN ISO 17294-2;(corr; 17294-1)	DIN 38409-6;(H6)	calculated;(WinWASI)	EN 27888;	EN 26777;(D10)
LC0028	N155A	EN ISO 17294-2;	DIN 38409-6;	DIN 38409-7;	EN 27888;	EN 26777;
LC0029	N155A	EN ISO 17294-2;	DIN 38409-6;(H6)	EN ISO 9963-1;	EN 27888;	EN ISO 13395;
LC0030	N155A	ICP-OES;	Calculated;	Calculated;	Conductometry;	Photometry;
LC0031	N155A	ICP-OES;	Titrimetry;(colorimetry)	Calculated;	Conductometry;	Photometry;(545nm)
LC0032	N155A	DIN 38405;	EN ISO 14911;	EN ISO 9963-1;	EN 27888;	EN 26777;
LC0033	N155A					
LC0034	N155A			Calculated;	EN 27888;	ISO 15923-1;
LC0035	N155A	EN ISO 11885;	DIN 38409-6;(H6)	DIN 38409-7;	EN 27888;	EN ISO 13395;
LC0036	N155A				EN 27888;	
LC0037	N155A		DIN 38409;	DIN 38409-7;	EN 27888;	EN 26777;
LC0038	N155A					
LC0039	N155A	EN ISO 17294-2;(corr; 17294-1)	Calculated;	Calculated;	EN 27888;	EN 26777;
LC0040	N155A	EN ISO 11885;	DIN 38409-6;	DIN 38409-6;	EN 27888;	IC;EN ISO 10304-1
LC0041	N155A	EN ISO 17294-2;			EN 27888;(corr)	EN ISO 13395;
LC0042	N155A	EN ISO 17294-2;	DIN 38409-6;	Calculated;	EN 27888;	EN 26777;

LabCode	Sample	Boron	Total hardness	Hydrogen carbonate	El. conductivity (25°C)	Nitrite (as NO ₂)
LC0043	N155A			DIN 38409-7;(H7)	EN 27888;	
LC0044	N155A			Calculated;	EN 27888;	EN 26777;
LC0045	N155A				Conductometry;	
LC0046	N155A	EN ISO 11885;	DIN 38409-6;	DEV-D8;	EN 27888;(C8)	EN 26777;(D10)
LC0047	N155A				EN 27888;(C8)	EN 26777;(D10)
LC0048	N155A			DIN 38405-8;	EN 27888;	
LC0049	N155A	EN ISO 11885;	EN ISO 14911;	DIN 38409-7;	EN 27888;	EN ISO 13395;
LC0050	N155A	EN ISO 11885;ICP-OES	DIN 38409-6;(H6)	DIN 38409-7;(H7-1-2, calc.)	EN 27888;(C8)	EN 26777;Photometry
LC0051	N155A	EN ISO 17294-2;	EN ISO 14911;	EN ISO 9963-1;	EN 27888;	EN 26777;
LC0052	N155A				EN 27888;(C8)	
LC0053	N155A				EN 27888;	EN ISO 13395;
LC0054	N155A	EN ISO 11885;ICP-OES	DIN 38409-6;	DIN 38409-6;	EN 27888;	EN 26777;
LC0055	N155A				housemethod;	housemethod;
LC0056	N155A			Calculated;DEV D8	EN 27888;	EN 26777;(EN 26777-1)
LC0057	N155A		DIN 38406-3;		EN 27888;	Reflectoquant;
LC0058	N155A	EN ISO 17294-2;	Calculated;	Calculated;	EN 27888;	EN 26777;
LC0059	N155A	EN ISO 17294-2;(corr. 12794-2)	DIN 38409-6;	DIN 38409-7;	EN 27888;	EN ISO 13395;
LC0060	N155A					
LC0061	N155A		DIN 38409;	EN ISO 9963-1;	EN 27888;	EN 26777;
LC0062	N155A		housemethod;SOPW1190	Calculated;	housemethod;SOPW1130	housemethod (UV/VIS);SOPW1410 (UV/VIS)

LabCode	Sample	Orthophosphate (as PO ₄)	pH-value	Total nitrogen	DOC (as C)
LC0001	N155A				
LC0002	N155A				
LC0003	N155A		EN ISO 10523;(C5)		
LC0004	N155A	EN ISO 6878;(modified; photometry UV-VIS)	EN ISO 10523;(pH-meter)		
LC0005	N155A	EN ISO 15681-2;	EN ISO 10523;	EN 12260;	EN 1484;
LC0006	N155A				
LC0007	N155A	EN ISO 6878;	EN ISO 10523;	EN ISO 11905;(EN ISO 11905-1)	EN 1484;
LC0008	N155A	EN 1189;(D11; flow injection analysis)	DIN 38404-5;(C5, potentiometry)	IC;(oxisolv digestion; EN ISO 10304 D19/20 (AWE-method SOP9085)	EN 1484;(H3, catalytic combustion, NDIR)
LC0009	N155A		EN ISO 10523;		
LC0010	N155A		EN ISO 10523;	Calculated;(NO ₃ -N+NO ₂ -N+NH ₄ -N)	EN 1484;
LC0011	N155A	EN ISO 15681-2;	EN ISO 10523;	EN 12260;	EN 1484;
LC0012	N155A	ISO 15923-1;(corr. ISO 15923)	EN ISO 10523;		EN 1484;(H3)
LC0013	N155A	FIA ;photometry	Potentiometry;pH-meter	TOC-TN-analyzer;(Shimadzu)	TOC-TN-analyzer;(Shimadzu)
LC0014	N155A		EN ISO 10523;		
LC0015	N155A	IC;EN ISO 10304-1	EN ISO 10523;	EN ISO 11905;(EN ISO 11905-1)	EN 1484;
LC0016	N155A		EN ISO 10523;(SLMB; potentiometry)	combustion; IR-detection;	combustion; IR-detection;
LC0017	N155A		housemethod;(SOP pH & conductivity; pH-electrode, textile diaphragma)		
LC0018	N155A	EN ISO 6878;	EN ISO 10523;	housemethod;	EN 1484;
LC0019	N155A	EN ISO 6878;(D11, Photometry)	EN ISO 10523;	DEV-H12;calculated	EN 1484;(NPOC)
LC0020	N155A	IC;(ion chromatography)	Potentiometry;pH-meter		Multi N/C (Combustion);
LC0021	N155A		EN ISO 10523;		

LabCode	Sample	Orthophosphate (as PO4)	pH-value	Total nitrogen	DOC (as C)
LC0022	N155A	ISO 15923-1;	EN ISO 10523;	EN ISO 11905;	EN 1484;
LC0023	N155A	not analyzed;	EN ISO 10523;	EN 12260;(TN)	EN 1484;
LC0024	N155A	LCK 349;(HACH)	EN ISO 10523;		
LC0025	N155A	EN ISO 6878;	EN ISO 10523;	EN 12260;	EN 1484;
LC0026	N155A		EN ISO 10523;		
LC0027	N155A	IC;EN ISO 10304-1	EN ISO 10523;(C5)	DIN 38406-5;(E5)	EN 1484;
LC0028	N155A	EN ISO 6878;	EN ISO 10523;	housemethod;	EN 1484;
LC0029	N155A	EN ISO 15681-1;	EN ISO 10523;	EN 12260;	EN 1484;
LC0030	N155A	Photometry;	Potentiometry;	thermical oxidation, IR-detection;	thermical oxidation, IR-detection;
LC0031	N155A	FIA;	Potentiometry;pH-meter	catalytic combustion;(NO2-detection)	catalytic combustion;(CO2-detection)
LC0032	N155A		EN ISO 10523;		EN 1484;
LC0033	N155A				
LC0034	N155A	ISO 15923-1;	EN ISO 10523;		EN 1484;
LC0035	N155A	EN ISO 15681-2;	EN ISO 10523;	EN 12260;	EN 1484;
LC0036	N155A		EN ISO 10523;		
LC0037	N155A	EN ISO 6878;	DIN 38404;	EN ISO 11905;(EN ISO 11905-1)	EN 1484;
LC0038	N155A	EN ISO 6878 (reduction metol-pyrosulfite);(D11)	EN ISO 10523;(C5)		
LC0039	N155A	EN ISO 6878;	EN ISO 10523;		EN 1484;
LC0040	N155A	IC;EN ISO 10304-1			EN 1484;
LC0041	N155A	EN ISO 6867;	EN ISO 10523;	EN ISO 11905;(EN ISO 11905-1)	EN ISO 15587-1;
LC0042	N155A	EN ISO 6878;	EN ISO 10523;	EN 12260;	EN 1484;(thermal catalytic oxidation)

LabCode	Sample	Orthophosphate (as PO4)	pH-value	Total nitrogen	DOC (as C)
LC0043	N155A	EN ISO 6878;	EN ISO 10523;		
LC0044	N155A		EN ISO 10523;		
LC0045	N155A		Potentiometry;		
LC0046	N155A	EN ISO 6878;(D11)	EN ISO 10523;(C5)	EN ISO 11905;(H36;-EN ISO 11905-1)	EN 1484;(H3)
LC0047	N155A	EN ISO 6878;(D11)	EN ISO 10523;		
LC0048	N155A		EN ISO 10523;		
LC0049	N155A	EN ISO 15681-2;	EN ISO 10523;	EN 12260;	EN 1484;
LC0050	N155A	DIN 38405-11;(D11; Photometry)	DIN 38404-5;(C5)	EN 12260;(TN, oxidation)	EN 1484;(H3, thermal oxidation)
LC0051	N155A	EN ISO 6878;	DIN 38404-5;(ISO 10523)	EN ISO 6878;	EN 12260;
LC0052	N155A		EN ISO 10523;(C5)		EN 1484;(H3)
LC0053	N155A	EN ISO 15681-2;	EN ISO 10523;		EN 1484;
LC0054	N155A	EN ISO 6878;	DIN 38409-6;		EN 1484;
LC0055	N155A	housemethod;	housemethod;	housemethod;	housemethod;
LC0056	N155A	EN ISO 6878;(EN ISO 6878-11)	DIN 38404-5;		
LC0057	N155A		DIN 51369;		
LC0058	N155A	EN ISO 6878;	EN ISO 10523;	Calculated;	EN 1484;
LC0059	N155A	EN ISO 15681-2;	EN ISO 10523;	EN ISO 11905;(EN ISO 11905-1; modified)	EN 1484;
LC0060	N155A	EN ISO 6878;			
LC0061	N155A	EN ISO 6878;	EN ISO 10523;	oxidation (CLD);	EN 1484;
LC0062	N155A		housemethod;SOPW1150		housemethod;SOPW1650

LabCode	Sample	Chloride	Total-P (as PO4)	Nitrate (as NO3)	Sulfate (as SO4)	Calcium
LC0001	N155B	IC;(ion chromatography; anions)	IC;(ion chromatography; anions)	IC;(ion chromatography; anions)	IC;(ion chromatography; anions)	IC;(ion chromatography; cations)
LC0002	N155B					
LC0003	N155B					
LC0004	N155B	IC;EN ISO 10304-1 (modified)		IC;EN ISO 10304-1 (modified)	IC;EN ISO 10304-1 (modified)	EN ISO 14911;(modified; IC)
LC0005	N155B	IC;EN ISO 10304-1	EN ISO 15681-2;	IC;EN ISO 10304-1	IC;EN ISO 10304-1	EN ISO 17294-2;ICP-MS
LC0006	N155B					
LC0007	N155B	IC;EN ISO 10304-1	EN ISO 6878;	IC;EN ISO 10304-1	IC;EN ISO 10304-1	EN ISO 11885;
LC0008	N155B	IC;EN ISO 10304-D19/20	EN 1189;(oxisolv digestion; AWE SOP9085; flow injection analysis)	IC;EN ISO 10304-D19/20	IC;EN ISO 10304-D19/20	
LC0009	N155B					
LC0010	N155B	IC;EN ISO 10304-1		IC;EN ISO 10304-1	IC;EN ISO 10304-1	EN ISO 14911;
LC0011	N155B	IC;EN ISO 10304-1	EN ISO 6878;	IC;EN ISO 10304-1	IC;EN ISO 10304-1	EN ISO 14911;
LC0012	N155B	IC;EN ISO 10304-1	EN ISO 11885;(E22)	IC;EN ISO 10304-1	IC;EN ISO 10304-1	EN ISO 14911;
LC0013	N155B	IC;(ion chromatography)	Photometry;(Skalar methods)	DEV-D10;	IC;(ion chromatography)	IC;(ion chromatography)
LC0014	N155B	IC;EN ISO 10304-1		IC;EN ISO 10304-1	IC;EN ISO 10304-1	
LC0015	N155B	EN ISO 17294-2;	EN ISO 17294-2;	IC;EN ISO 10304-1	IC;EN ISO 10304-1	EN ISO 17294-2;
LC0016	N155B	EN ISO 15682;(SLMB, IC)		EN ISO 13395;(SLMB; IC)	IC;EN ISO 10304-1 (SLMB)	EN ISO 14911;(housemethod; based on EN ISO 14911; IC)
LC0017	N155B					
LC0018	N155B	IC;EN ISO 10304-1	EN ISO 17294-2;	IC;EN ISO 10304-1	IC;EN ISO 10304-1	EN ISO 7980;(E3a)
LC0019	N155B	IC;EN ISO 10304-1	EN ISO 6878;(D11, Photometry)	IC;EN ISO 10304-1	IC;EN ISO 10304-1	
LC0020	N155B	IC;(ion chromatography)	IC;(ion chromatography)	IC;(ion chromatography)	IC;(ion chromatography)	IC;(ion chromatography)
LC0021	N155B					

LabCode	Sample	Chloride	Total-P (as PO4)	Nitrate (as NO3)	Sulfate (as SO4)	Calcium
LC0022	N155B	IC;EN ISO 10304	ISO 15923-1;	IC;EN ISO 10304	IC;EN ISO 10304	EN ISO 11885;
LC0023	N155B	IC;EN ISO 10304-1	EN ISO 6878;	IC;EN ISO 10304-1	IC;EN ISO 10304-1	EN ISO 14911;IC
LC0024	N155B	DIN 38405-1;	LCK 349;(HACH)	DIN 38405-9;	DIN 38405-5;	DIN 38406-3;
LC0025	N155B	IC;EN ISO 10304-1	EN ISO 6878;	IC;EN ISO 10304-1	IC;EN ISO 10304-1	EN ISO 14911;
LC0026	N155B					
LC0027	N155B	IC;EN ISO 10304-1	EN ISO 11885;	IC;EN ISO 10304-1	IC;EN ISO 10304-1	EN ISO 11885;
LC0028	N155B	IC;EN ISO 10304-1	EN ISO 6878;	IC;EN ISO 10304-1	IC;EN ISO 10304-1	EN ISO 11885;
LC0029	N155B	EN ISO 15682;	EN ISO 17294-2;	EN ISO 13395;	ISO 22743;	EN ISO 17294-2;
LC0030	N155B	IC;	Photometry;	IC;	IC;	IC;
LC0031	N155B	IC;(ion chromatography)	FIA (digestion with persulfate);	IC;(ion chromatography)	IC;(ion chromatography)	ICP-OES;
LC0032	N155B	IC;EN ISO 10304-1	EN ISO 6878;	IC;EN ISO 10304-1	IC;EN ISO 10304-1	EN ISO 14911;
LC0033	N155B		EN ISO 17294-2;			
LC0034	N155B	IC;		IC;	IC;	IC;
LC0035	N155B	IC;EN ISO 10304-1	EN ISO 6878;	IC;EN ISO 10304-1	IC;EN ISO 10304-1	EN ISO 11885;
LC0036	N155B					
LC0037	N155B	IC;EN ISO 10304-1	EN ISO 6878;	IC;EN ISO 10304-1	IC;EN ISO 10304-1	EN ISO 14911;
LC0038	N155B		EN ISO 6878 (reduction metol-pyrosulfite);(D11)			
LC0039	N155B	IC;EN ISO 10304-1	EN ISO 6878;	IC;EN ISO 10304-1	IC;EN ISO 10304-1	EN ISO 17294-2;(corr; 17294-1)
LC0040	N155B	IC;EN ISO 10304-1	EN ISO 11885;	IC;EN ISO 10304-1	IC;EN ISO 10304-1	EN ISO 11885;
LC0041	N155B	IC;EN ISO 10304-1	EN ISO 17294-2;	IC;EN ISO 10304-1	IC;EN ISO 10304-1	EN ISO 17294-2;
LC0042	N155B	IC;EN ISO 10304	ISO 15923-1;	IC;EN ISO 10304	IC;EN ISO 10304	EN ISO 11885;

LabCode	Sample	Chloride	Total-P (as PO4)	Nitrate (as NO3)	Sulfate (as SO4)	Calcium
LC0043	N155B		EN ISO 6878;			
LC0044	N155B					
LC0045	N155B	Photometry;(HACH Lange)		Photometry;(HACH Lange)	Photometry;(HACH Lange)	Photometry;(HACH Lange)
LC0046	N155B	IC;EN ISO 10304-1	EN ISO 6878;(D11)	IC;EN ISO 10304-1	IC;EN ISO 10304-1	EN ISO 11885;
LC0047	N155B		DIN 38405-11;(corr; DIN 38406; D11)	DIN 38405-9;(D9)		
LC0048	N155B					
LC0049	N155B	IC;EN ISO 10304-1	EN ISO 15681-2;	IC;EN ISO 10304-1	IC;EN ISO 10304-1	EN ISO 14911;
LC0050	N155B	IC;EN ISO 10304-1	EN ISO 11885;ICP-OES	IC;EN ISO 10304-1	IC;EN ISO 10304-1	EN ISO 11885;ICP-OES
LC0051	N155B	IC;EN ISO 10304-1	EN ISO 6878;	IC;EN ISO 10304-1	IC;EN ISO 10304-1	EN ISO 14911;
LC0052	N155B					
LC0053	N155B	EN ISO 15682;		EN ISO 13395;	ISO 22743;	EN ISO 11885;
LC0054	N155B	IC;EN ISO 10304-1	EN ISO 6878;	IC;EN ISO 10304-1	IC;EN ISO 10304-1	EN ISO 11885;ICP-OES
LC0055	N155B	housemethod;	housemethod;	housemethod;	housemethod;	housemethod;
LC0056	N155B	OENORM M 6289;	EN ISO 6878;(EN ISO 6878-11)	DIN 38405-1;		
LC0057	N155B	DIN 38405-1;		Reflectoquant;		
LC0058	N155B	IC;EN ISO 10304-1	EN ISO 6878;	IC;EN ISO 10304-1	IC;EN ISO 10304-1	EN ISO 14911;
LC0059	N155B	IC;EN ISO 10304-1	EN ISO 15681-2;	IC;EN ISO 10304-1	IC;EN ISO 10304-1	EN ISO 17294-2;(corr. 12794-2)
LC0060	N155B		EN ISO 6878;			
LC0061	N155B	IC;EN ISO 10304-1	EN ISO 6878;	IC;EN ISO 10304-1	IC;EN ISO 10304-1	EN ISO 14911;(corr. EN ISO 19411)
LC0062	N155B	housemethod (IC);SOPW1430 (IC)		housemethod (IC);SOPW1430 (IC)	housemethod (IC);SOPW1430 (IC)	housemethod (IC);SOPW1210 (IC)

LabCode	Sample	Potassium	Magnesium	Sodium	Ammonium (as NH4)	Alkalinity Ks 4,3
LC0001	N155B	IC;(ion chromatography; cations)	IC;(ion chromatography; cations)	IC;(ion chromatography; cations)	IC;(ion chromatography; cations)	
LC0002	N155B					
LC0003	N155B					EN ISO 10523;(C5)
LC0004	N155B	EN ISO 14911;(modified; IC)	EN ISO 14911;(modified; IC)	EN ISO 14911;(modified; IC)	EN ISO 7150-1;(modified; photometry UV-VIS)	EN ISO 9963-1;(titrimetry)
LC0005	N155B	EN ISO 17294-2;ICP-MS	EN ISO 17294-2;ICP-MS	EN ISO 17294-2;ICP-MS	EN ISO 11732;	EN ISO 9963-1;
LC0006	N155B					DIN 38409-7;
LC0007	N155B	EN ISO 11885;	EN ISO 11885;	EN ISO 11885;	EN ISO 11732;	DIN 38409-7;
LC0008	N155B				EN ISO 11732;(E23, flow injection analysis)	
LC0009	N155B					
LC0010	N155B	EN ISO 14911;	EN ISO 14911;	EN ISO 14911;	DIN 38406-5;	EN ISO 9963-1;
LC0011	N155B	EN ISO 14911;	EN ISO 14911;	EN ISO 14911;	EN ISO 11732;	DIN 38409-7;
LC0012	N155B	EN ISO 14911;	EN ISO 14911;	EN ISO 14911;	ISO 15923-1;(corr. ISO 15923)	DIN 38409-7;(H7)
LC0013	N155B	IC;(ion chromatography)	IC;(ion chromatography)	IC;(ion chromatography)	Photometry;	EN ISO 9964-1;
LC0014	N155B					
LC0015	N155B	EN ISO 17294-2;	EN ISO 17294-2;	EN ISO 17294-2;	DIN 38406-5;	DIN 38409-7;
LC0016	N155B	EN ISO 14911;(SLMB; modified; IC)	EN ISO 14911;(SLMB; modified; IC)	EN ISO 14911;(SLMB; modified; IC)	UV-VIS Spectrometry;(SLMB; UV-VIS)	EN ISO 9963-1;(Titration)
LC0017	N155B					
LC0018	N155B	DIN 38406-13;	EN ISO 7980;(E3a)	DIN 38406-14;	DIN 38406-5;	DIN 38409-7;
LC0019	N155B				DIN 38406-5;Photometry	
LC0020	N155B	IC;(ion chromatography)	IC;(ion chromatography)	IC;(ion chromatography)	IC;(ion chromatography)	
LC0021	N155B					

LabCode	Sample	Potassium	Magnesium	Sodium	Ammonium (as NH4)	Alkalinity Ks 4,3
LC0022	N155B	EN ISO 11885;	EN ISO 11885;	EN ISO 11885;	ISO 15923-1;	DIN 38409-7;
LC0023	N155B	EN ISO 14911;IC	EN ISO 14911;IC	EN ISO 14911;IC	EN ISO 11732;	DIN 38409-7;(H7)
LC0024	N155B	EN ISO 9964-3;	DIN 38406-3;	EN ISO 9964-3;	DIN 38406-5;(5-1)	DIN 38409-7;
LC0025	N155B	EN ISO 14911;	EN ISO 14911;	EN ISO 14911;	EN ISO 7150-1;	EN ISO 9963-1;
LC0026	N155B					DIN 38409-7;(H7-2)
LC0027	N155B	EN ISO 11885;	EN ISO 11885;	EN ISO 11885;	DIN 38406-5;(E5)	DIN 38409-7;
LC0028	N155B	EN ISO 11885;	EN ISO 11885;	EN ISO 11885;	DIN 38406-5;	DIN 38409-7;
LC0029	N155B	EN ISO 17294-2;	EN ISO 17294-2;	EN ISO 17294-2;	EN ISO 17294-2;	EN ISO 9963-1;
LC0030	N155B	IC;	IC;	IC;	Photometry;	Potentiometry;(potentiometric titration)
LC0031	N155B	ICP-OES;	ICP-OES;	ICP-OES;	Photometry;(690nm)	Titrimetry;
LC0032	N155B	EN ISO 14911;	EN ISO 14911;	EN ISO 14911;	EN ISO 10523;	EN ISO 9963-1;
LC0033	N155B					
LC0034	N155B	IC;	IC;	IC;	ISO 15923-1;	DIN 38409-7;(H7)
LC0035	N155B	EN ISO 11885;	EN ISO 11885;	EN ISO 11885;	EN ISO 11732;	DIN 38409-7;
LC0036	N155B					DIN 38409-7;(H7-2)
LC0037	N155B	EN ISO 14911;	EN ISO 14911;	EN ISO 14911;	DIN 38406;	DIN 38409-7;
LC0038	N155B					
LC0039	N155B	EN ISO 17294-2;(corr; 17294-1)	EN ISO 17294-2;(corr; 17294-1)	EN ISO 17294-2;(corr; 17294-1)	EN ISO 7150-1;	EN ISO 9963-1;
LC0040	N155B	EN ISO 11885;	EN ISO 11885;	EN ISO 11885;	DIN 38406-5;	DIN 38409;(corr. 30409)
LC0041	N155B	EN ISO 17294-2;	EN ISO 17294-2;	EN ISO 17294-2;	EN ISO 7150-1;	
LC0042	N155B	EN ISO 17294-2;	EN ISO 17294-2;	EN ISO 17294-2;	EN ISO 7150-1;	DIN 38409-7;

LabCode	Sample	Potassium	Magnesium	Sodium	Ammonium (as NH4)	Alkalinity Ks 4,3
LC0043	N155B					DIN 38409-7;(H7)
LC0044	N155B					DIN 38409-7;
LC0045	N155B		Photometry;(HACH Lange)			
LC0046	N155B	EN ISO 11885;	EN ISO 11885;	EN ISO 11885;	DIN 38406-5;(E5)	DIN 38409-7;(H7-2)
LC0047	N155B				DIN 38406-5;(E5)	
LC0048	N155B					DIN 38409-7;
LC0049	N155B	EN ISO 14911;	EN ISO 14911;	EN ISO 14911;	EN ISO 11732;	DIN 38409-7;
LC0050	N155B	EN ISO 11885;ICP-OES	EN ISO 11885;ICP-OES	EN ISO 11885;ICP-OES	DIN 38406-5;(E5-1; Photometry)	DIN 38409-7;(H7-1-2;titration)
LC0051	N155B	EN ISO 14911;	EN ISO 14911;	EN ISO 14911;	DIN 38406;	EN ISO 9963-1;
LC0052	N155B					DIN 38409-7;(H7)
LC0053	N155B	EN ISO 9964-3;	EN ISO 11885;	EN ISO 9964-3;	EN ISO 11732;	
LC0054	N155B	EN ISO 11885;ICP-OES	EN ISO 11885;ICP-OES	EN ISO 11885;ICP-OES	DIN 38406-5;	DIN 38409-6;
LC0055	N155B	housemethod;	housemethod;	housemethod;	housemethod;	housemethod;
LC0056	N155B				DIN 38406-5;	DIN 38409-7;(7-2)
LC0057	N155B					EN ISO 9963-1;
LC0058	N155B	EN ISO 14911;	EN ISO 14911;	EN ISO 14911;	EN ISO 7150-1;	EN ISO 9963-1;
LC0059	N155B	EN ISO 17294-2;(corr. 12794-2)	EN ISO 17294-2;(corr. 12794-2)	EN ISO 17294-2;(corr. 12794-2)	EN ISO 11732;	DIN 38409-7;
LC0060	N155B				EN ISO 7150-1;(corr 7150)	
LC0061	N155B	EN ISO 14911;	EN ISO 14911;	EN ISO 14911;	DIN 38406-5;(E5)	EN ISO 9963-1;
LC0062	N155B	housemethod (IC);SOPW1210 (IC)	housemethod (IC);SOPW1210 (IC)	housemethod (IC);SOPW1210 (IC)	housemethod (UV/VIS);SOPW1270 (UV/VIS)	housemethod;SOPW1170

LabCode	Sample	Boron	Total hardness	Hydrogen carbonate	El. conductivity (25°C)	Nitrite (as NO ₂)
LC0001	N155B					
LC0002	N155B					
LC0003	N155B				EN 27888;(C8)	
LC0004	N155B		IC;(ion chromatography)	EN ISO 9963-1;(titrimetry)	ISO 7888;(conductometry)	EN ISO 6777;(modified; photometry UV-VIS)
LC0005	N155B	EN ISO 17294-2;ICP-MS	DIN 38409-6;	EN ISO 9963-1;	EN 27888;	EN ISO 13395;
LC0006	N155B		DIN 38409-6;	DIN 38409-7;		
LC0007	N155B	EN ISO 11885;	DIN 38409-6;	DIN 38405-8;	EN 27888;	EN ISO 13395;
LC0008	N155B				EN 27888;(C8, conductometry)	EN 26777;(D10 Flow injection analysis)
LC0009	N155B					
LC0010	N155B		EN ISO 14911;	EN ISO 9963-1;	EN 27888;	EN 26777;
LC0011	N155B	EN ISO 17294-2;	DIN 38409-6;	DIN 38409-7;	EN 27888;	EN ISO 13395;
LC0012	N155B	EN ISO 17294-2;(E29)	DIN 38409-6;(H6)	DIN 38409-7;(H7)	EN 27888;(C8)	ISO 15923-1;(corr. ISO 15923)
LC0013	N155B		Calculated;(Ca+Mg)		Conductometry;(conductivity)	DEV-D10;
LC0014	N155B				EN 27888;	
LC0015	N155B	EN ISO 17294-2;	EN ISO 17294-2;	DIN 38409-7;	EN 27888;	IC;EN ISO 10304-1
LC0016	N155B	ICP-MS;(housemethod)	Titrimetry;(SLMB; ISO Titration)	Titrimetry;(SLMB; ISO Titration)	EN 27888;conductometry	EN ISO 13395;(SLMB; photometry)
LC0017	N155B				housemethod;(SOP pH & conductivity; conductivity sensor graphite)	
LC0018	N155B	EN ISO 17294-2;	DIN 38406-3;	Calculated;	EN 27888;	EN 26777;(D10)
LC0019	N155B				EN 27888;	EN 26777;(corr; D10, Photometry)
LC0020	N155B			Titrimetry;(titration)	Potentiometry;pH-meter	IC;(ion chromatography)
LC0021	N155B					

LabCode	Sample	Boron	Total hardness	Hydrogen carbonate	El. conductivity (25°C)	Nitrite (as NO2)
LC0022	N155B	EN ISO 11885;	Calculated;(Ca+Mg)	DIN 38409-7;	EN 27888;	ISO 15923-1;
LC0023	N155B	not analyzed;	not calculated ;		EN 27888;(C8)	EN 26777;
LC0024	N155B		DIN 38406-3;		EN 27888;	EN 26777;
LC0025	N155B		DIN 38409-6;	EN ISO 9963-1;	EN 27888;	EN 26777;
LC0026	N155B				EN 27888;(C8)	
LC0027	N155B	EN ISO 17294-2;(corr; 17294-1)	DIN 38409-6;(H6)	calculated;(WinWASI)	EN 27888;	EN 26777;(D10)
LC0028	N155B	EN ISO 17294-2;	DIN 38409-6;	DIN 38409-7;	EN 27888;	EN 26777;
LC0029	N155B	EN ISO 17294-2;	DIN 38409-6;(H6)	EN ISO 9963-1;	EN 27888;	EN ISO 13395;
LC0030	N155B	ICP-OES;	Calculated;	Calculated;	Conductometry;	Photometry;
LC0031	N155B	ICP-OES;	Titrimetry;(colorimetry)	Calculated;	Conductometry;	Photometry;(545nm)
LC0032	N155B	DIN 38405;	EN ISO 14911;	EN ISO 9963-1;	EN 27888;	EN 26777;
LC0033	N155B					
LC0034	N155B			Calculated;	EN 27888;	ISO 15923-1;
LC0035	N155B	EN ISO 11885;	DIN 38409-6;(H6)	DIN 38409-7;	EN 27888;	EN ISO 13395;
LC0036	N155B				EN 27888;	
LC0037	N155B		DIN 38409;	DIN 38409-7;	EN 27888;	EN 26777;
LC0038	N155B					
LC0039	N155B	EN ISO 17294-2;(corr; 17294-1)	Calculated;	Calculated;	EN 27888;	EN 26777;
LC0040	N155B	EN ISO 11885;	DIN 38409-6;	DIN 38409-6;	EN 27888;	IC;EN ISO 10304-1
LC0041	N155B	EN ISO 17294-2;			EN 27888;(corr)	EN ISO 13395;
LC0042	N155B	EN ISO 17294-2;	DIN 38409-6;	Calculated;	EN 27888;	EN 26777;

LabCode	Sample	Boron	Total hardness	Hydrogen carbonate	El. conductivity (25°C)	Nitrite (as NO2)
LC0043	N155B			DIN 38409-7;(H7)	EN 27888;	
LC0044	N155B			Calculated;	EN 27888;	EN 26777;
LC0045	N155B				Conductometry;	
LC0046	N155B	EN ISO 11885;	DIN 38409-6;	DEV-D8;	EN 27888;(C8)	EN 26777;(D10)
LC0047	N155B				EN 27888;(C8)	EN 26777;(D10)
LC0048	N155B			DIN 38405-8;	EN 27888;	
LC0049	N155B	EN ISO 11885;	EN ISO 14911;	DIN 38409-7;	EN 27888;	EN ISO 13395;
LC0050	N155B	EN ISO 11885;ICP-OES	DIN 38409-6;(H6)	DIN 38409-7;(H7-1-2; calc.)	EN 27888;(C8)	EN 26777;Photometry
LC0051	N155B	EN ISO 17294-2;	EN ISO 14911;	EN ISO 9963-1;	EN 27888;	EN 26777;
LC0052	N155B				EN 27888;(C8)	
LC0053	N155B				EN 27888;	EN ISO 13395;
LC0054	N155B	EN ISO 11885;ICP-OES	DIN 38409-6;	DIN 38409-6;	EN 27888;	EN 26777;
LC0055	N155B				housemethod;	housemethod;
LC0056	N155B			Calculated;DEV D8	EN 27888;	EN 26777;(EN 26777-1)
LC0057	N155B		DIN 38406-3;		EN 27888;	Reflectoquant;
LC0058	N155B	EN ISO 17294-2;	Calculated;	Calculated;	EN 27888;	EN 26777;
LC0059	N155B	EN ISO 17294-2;(corr. 12794-2)	DIN 38409-6;	DIN 38409-7;	EN 27888;	EN ISO 13395;
LC0060	N155B					
LC0061	N155B		DIN 38409;	EN ISO 9963-1;	EN 27888;	EN 26777;
LC0062	N155B		housemethod;SOPW1190	Calculated;	housemethod;SOPW1130	housemethod;SOPW1410

LabCode	Sample	Orthophosphate (as PO4)	pH-value	Total nitrogen	DOC (as C)
LC0001	N155B				
LC0002	N155B				
LC0003	N155B		EN ISO 10523;(C5)		
LC0004	N155B	EN ISO 6878;(modified; photometry UV-VIS)	EN ISO 10523;(pH-meter)		
LC0005	N155B	EN ISO 15681-2;	EN ISO 10523;	EN 12260;	EN 1484;
LC0006	N155B				
LC0007	N155B	EN ISO 6878;	EN ISO 10523;	EN ISO 11905;(EN ISO 11905-1)	EN 1484;
LC0008	N155B	EN 1189;(D11; flow injection analysis)	DIN 38404-5;(C5, potentiometry)	IC;(oxisolv digestion; EN ISO 10304 D19/20 (AWE-method SOP9085)	EN 1484;(H3, catalytic combustion, NDIR)
LC0009	N155B		EN ISO 10523;		
LC0010	N155B		EN ISO 10523;	Calculated;(NO3-N+NO2-N+NH4-N)	EN 1484;
LC0011	N155B	EN ISO 15681-2;	EN ISO 10523;	EN 12260;	EN 1484;
LC0012	N155B	ISO 15923-1;(corr. ISO 15923)	EN ISO 10523;		EN 1484;(H3)
LC0013	N155B	Photometry;(Skalar methods)	Conductometry;(conductivity)	TOC-TN-analyzer;(Shimadzu)	TOC-TN-analyzer;(Shimadzu)
LC0014	N155B		EN ISO 10523;		
LC0015	N155B	IC;EN ISO 10304-1	EN ISO 10523;	EN ISO 11905;(EN ISO 11905-1)	EN 1484;
LC0016	N155B		EN ISO 10523;(SLMB; potentiometry)	combustion; IR-detection;	combustion; IR-detection;
LC0017	N155B		housemethod;(SOP pH & conductivity; pH-electrode, textile diaphragma)		
LC0018	N155B	EN ISO 6878;	EN ISO 10523;	housemethod;	EN 1484;
LC0019	N155B	EN ISO 6878;(D11, Photometry)	EN ISO 10523;	DEV-H12;calculated	EN 1484;(NPOC)
LC0020	N155B	IC;(ion chromatography)	Potentiometry;pH-meter		Multi N/C (Combustion);
LC0021	N155B				

LabCode	Sample	Orthophosphate (as PO4)	pH-value	Total nitrogen	DOC (as C)
LC0022	N155B	ISO 15923-1;	EN ISO 10523;	EN ISO 11905;	EN 1484;
LC0023	N155B	not analyzed;	EN ISO 10523;	EN 12260;(TN)	EN 1484;
LC0024	N155B	LCK 349;(HACH)	EN ISO 10523;		
LC0025	N155B	EN ISO 6878;	EN ISO 10523;	EN 12260;	EN 1484;
LC0026	N155B		EN ISO 10523;		
LC0027	N155B	IC;EN ISO 10304-1	EN ISO 10523;(C5)	DIN 38406-5;(E5)	EN 1484;
LC0028	N155B	EN ISO 6878;	EN ISO 10523;	housemethod;	EN 1484;
LC0029	N155B	EN ISO 15681-1;	EN ISO 10523;	EN 12260;	EN 1484;
LC0030	N155B	Photometry;	Potentiometry;	thermal oxidation, IR-detection;	thermal oxidation, IR-detection;
LC0031	N155B	FIA;	Potentiometry;pH-meter	catalytic combustion;(NO2-detection)	catalytic combustion;(CO2-detection)
LC0032	N155B		EN ISO 10523;		EN 1484;
LC0033	N155B				
LC0034	N155B	ISO 15923-1;	EN ISO 10523;		EN 1484;
LC0035	N155B	EN ISO 15681-2;	EN ISO 10523;	EN 12260;	EN 1484;
LC0036	N155B		EN ISO 10523;		
LC0037	N155B	EN ISO 6878;	DIN 38404;	EN ISO 11905;(EN ISO 11905-1)	EN 1484;
LC0038	N155B	EN ISO 6878 (reduction metol-pyrosulfite);(D11)	EN ISO 10523;(C5)		
LC0039	N155B	EN ISO 6878;	EN ISO 10523;		EN 1484;
LC0040	N155B	IC;EN ISO 10304-1			EN 1484;
LC0041	N155B	EN ISO 6867;	EN ISO 10523;	EN ISO 11905;(EN ISO 11905-1)	EN ISO 15587-1;
LC0042	N155B	EN ISO 6878;	EN ISO 10523;	EN 12260;	EN 1484;(thermal catalytic oxidation)

LabCode	Sample	Orthophosphate (as PO4)	pH-value	Total nitrogen	DOC (as C)
LC0043	N155B	EN ISO 6878;	EN ISO 10523;		
LC0044	N155B		EN ISO 10523;		
LC0045	N155B		EN ISO 10523;Potentiometer		
LC0046	N155B	EN ISO 6878;(D11)	EN ISO 10523;(C5)	EN ISO 11905;(H36;-EN ISO 11905-1)	EN 1484;(H3)
LC0047	N155B	EN ISO 6878;(D11)	EN ISO 10523;		
LC0048	N155B		EN ISO 10523;		
LC0049	N155B	EN ISO 15681-2;	EN ISO 10523;	EN 12260;	EN 1484;
LC0050	N155B	DIN 38405-11;(D11; Photometry)	DIN 38404-5;(C5)	EN 12260;(TN, oxidation)	EN 1484;(H3, thermal oxidation)
LC0051	N155B	EN ISO 6878;	DIN 38404-5;(ISO 10523)	EN ISO 6878;	EN 12260;
LC0052	N155B		EN ISO 10523;(C5)		EN 1484;(H3)
LC0053	N155B	EN ISO 15681-2;	EN ISO 10523;		EN 1484;
LC0054	N155B	EN ISO 6878;	DIN 38409-6;		EN 1484;
LC0055	N155B	housemethod;	housemethod;	housemethod;	housemethod;
LC0056	N155B	EN ISO 6878;(EN ISO 6878-11)	DIN 38404-5;		
LC0057	N155B		DIN 51369;		
LC0058	N155B	EN ISO 6878;	EN ISO 10523;	Calculated;	EN 1484;
LC0059	N155B	EN ISO 15681-2;	EN ISO 10523;	EN ISO 11905;(EN ISO 11905-1; modified)	EN 1484;
LC0060	N155B	EN ISO 6878;			
LC0061	N155B	EN ISO 6878;	EN ISO 10523;	oxidation (CLD);	EN 1484;
LC0062	N155B		housemethod;SOPW1150		housemethod;SOPW1650