

**Proficiency Testing Scheme für die
Wasseranalytik - Realproben
N180 Nährstoffe**

**Proficiency Testing Scheme for Water
Analysis - natural water samples
N180 Nutrients/Major Ions**

BERICHT / REPORT

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D1. Beschreibung des Ringversuchs

D1.1. Ausgestaltung und Durchführung

- Anzahl der Anmeldungen: 50
- Anzahl der übermittelten Datensätze: 50
- Probenversand: 03.02.2026
- Einsendeschluss der Daten: 03.03.2026

Die Ergebnisabgabe erfolgte auf elektronischem Weg mittels passwortgeschützter Online-Dateneingabe.

Beim Abschluss der Dateneingabe bestätigten die Teilnehmenden die vollständige und korrekte Eingabe aller Daten und die Freigabe der Ergebnisse zur Auswertung.

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

D1.2. Beschreibung der Prüfgegenstände

Die Probenahme von Grundwasser und Oberflächenwasser erfolgte am 28.01.2026.

Das Probenmaterial umfasste:

- 1 Probe Grundwasser (N180 A)
- 1 Probe Oberflächenwasser (N180 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 03.02.2026 verschickt.

Jedes teilnehmende Labor erhielt:

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

D1.3. Anweisungen für die Teilnehmenden

Aus Stabilitätsgründen wurde empfohlen bis spätestens 11.02.2026 mit den Analysen zu beginnen.

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

D1.4. Kontrollanalytik zur Bewertung der Homogenität

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

Es wurden für die A- bzw. B-Probe jeweils n=5 Kontrollproben sowie n=1 undotierte Realprobe dem Labor zur Analyse übergeben. Die Bestimmung aller Parameter wurde an ein externes Labor (akkreditiert nach EN ISO/IEC 17025) im Unterauftrag vergeben (verdeckte Vergabe, Proben anonymisiert) und erfolgte zeitnah zum Probenversand.

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

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

D1.5. Trendtest zur Bewertung der Stabilität

Die Bewertung der Stabilität der Prüfgegenstände (Realproben) erfolgte auf Basis der Datenstatistik aus den vergangenen Runden für Realproben im Zeitraum 2013 bis 2025.

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

Durch Darstellung der Ergebnisse der Teilnehmenden nach Abfüllreihenfolge wurde auf das Vorliegen möglicher systematischer Trends der Ergebnisse geprüft (unauffällig).

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

D1.6. Ermittlung des zugewiesenen Wertes

Die Ergebnisse der Analysen mussten spätestens bis zum 03.03.2026 beim Veranstalter vorliegen. Später eingehende Werte wurden nicht berücksichtigt.

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

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

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

Der zugewiesene Wert wird im Normalfall jeweils als der ausreißerbereinigte Mittelwert über alle übermittelten Ergebnisse gebildet. Die Prüfung auf Rückführbarkeit des zugewiesenen Wertes erfolgt durch Vergleich mit dem Mittelwert des Kontrolllabores.

Bei sehr hohen Streuungen der Ergebnisse der Teilnehmenden von über 50 % oder bei mangelhafter Rückführbarkeit der statistischen Kenndaten aus den ausreißerbereinigten Ergebnissen der Teilnehmenden auf den Mittelwert des Kontrolllabores bzw. einer zu geringen Anzahl an ausreißerbereinigten Ergebnissen über die Gruppe der akkreditierten Labore, kann die Situation auftreten, dass kein zugewiesener Wert für den aktuellen Ringversuch festgelegt werden kann und daher keine Bewertung der Ergebnisse der Teilnehmenden für diesen Parameter möglich ist.

Ein entsprechender Hinweis wird im Bericht unter E7 bei der informativen Auswertung angebracht. Im Rahmen der internen Qualitätssicherung der Teilnehmenden kann ein Vergleich mit den Ergebnissen des Kontrolllabors durchgeführt werden. Diese Vorgehensweise wird bei Anwendung jeweils parameter- und probenbezogen unter Punkt D4 des Berichts dokumentiert.

D2. Kriterien der Leistungsbewertung

D2.1. Leistungskriterium z-Score

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

Die Ermittlung der z-Scores erfolgte gemäß nachfolgender Formel:

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

x_i	Messergebnis des teilnehmenden Labors
\bar{X}	zugewiesener Wert Sollwert für die Leistungsbewertung der Teilnehmenden (angegeben auf 3 signifikante Stellen); im Regelfall: ausreißerbereinigter Mittelwert der Ergebnisse der Teilnehmenden. Eine davon abweichende Vorgehensweise wird unter Punkt D4 des Berichts beschrieben.
<i>Kriterium</i>	Vergleichsstandardabweichung berechnet aus den Statistiken für reale Wasserproben der vorangegangenen Runden im Zeitraum 2013 bis 2025 (RSDpooled). In begründeten Fällen (z.B. Ergebnisse Realproben nahe an Mindestbestimmungsgrenze oder regulatorischer Vorgaben) erfolgt die Festlegung nach Expertenbefund und die Vorgangsweise wird unter Punkt D4 des Berichts beschrieben.

D2.2. Leistungskriterium E_n-Score

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

Die Ermittlung der E_n-Scores erfolgte gemäß nachfolgender Formel:

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

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

Ergebnisse der Teilnehmenden. Eine davon abweichende Vorgehensweise wird unter Punkt D4 des Berichts beschrieben.

$U(x_i)$ erweiterte Messunsicherheit des Messergebnisses (Ergebnisse der Teilnehmenden), $k=2$

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

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

Interpretation der z-Scores:

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

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

Interpretation der E_n -Scores:

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

Hinweis: Bei der Bewertung mittels E_n -Scores erfolgt die Berücksichtigung der erweiterten Messunsicherheiten der Teilnehmenden und des zugewiesenen Wertes.

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

D3. Darstellung und Interpretation der Messergebnisse

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

In der labororientierten Auswertung werden pro Labor in anonymisierter Form die Ergebnisse der einzelnen Labore als Messergebnis $\pm U$ sowie die Wiederfindungen und die ermittelten z-Scores bezugnehmend auf das Kriterium dargestellt. Weiters werden die E_n -Scores unter Berücksichtigung der erweiterten Unsicherheiten in unabhängigen Tabellen

ausgegeben. Die labororientierten Auswertungen enthalten jeweils die Bewertungsgrundlagen wie zugewiesener Wert samt erweiterter Messunsicherheit sowie das Kriterium.

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

D4. Anmerkungen zur Auswertung

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

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

Als Ergebnis einer Langzeitauswertung von Eignungsprüfungen (Realproben) von 2013 bis 2025 wurden Kriterien (RSDpool) zur Ergebnisbewertung berechnet. Diese wurden im Zuge der Auswertung den relativen Vergleichsstandardabweichungen (vR) des aktuellen Ringversuchs gegenübergestellt.

Parameter Bor, DOC (berechnet als C), Orthophosphat (als PO₄) und pH-Wert, bei Probe N180 A und Parameter Bor, Calcium, DOC (berechnet als C), Magnesium, Orthophosphat (als PO₄), pH-Wert und Gesamthärte bei Probe N180 B:

Die auf Basis der Ergebnisse der Teilnehmenden berechneten Sollwerte lagen außerhalb der Messunsicherheit des Kontrollwertes bzw. < BG (Bor) und es ist über das Kontrolllabor keine Rückführbarkeit möglich. Der zugewiesene Wert wurde daher über die ausreißerbereinigten Mittelwerte aus der Gruppe der akkreditierten Teilnehmenden berechnet.

Parameter DOC (berechnet als C), Nitrit (als NO₂) und Orthophosphat (als PO₄) bei Probe N180 A und Orthophosphat (als PO₄) bei Probe N180 B:

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

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

D5. Erläuterung zu Tabellen und Grafiken

D5.1. Angaben und Abkürzungen in Tabellen

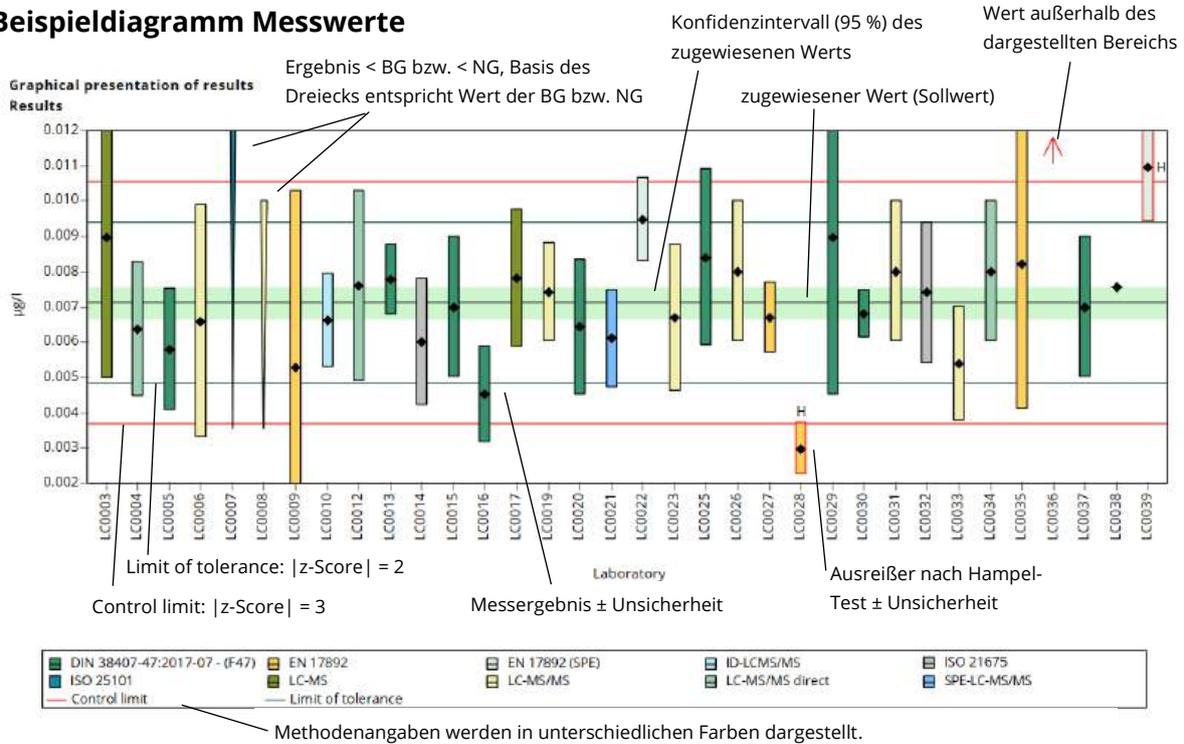
Parameter	Allgemeine Bezeichnung des Analysenparameters
Probe	Bezeichnung der übermittelten Probe
Einheit	Vorgegebene Einheit für Messwert und Ergebnisunsicherheit (z.B. µg/l)
Zugewiesener Wert	Sollwert für die Leistungsbewertung der Teilnehmenden (angegeben auf 3 signifikante Stellen)
U (k=2)	erweiterte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

± U	kombinierte Messunsicherheit ohne Erweiterungsfaktor (k=1) lt. Angabe der Teilnehmenden (maximal 5 Nachkommastellen dargestellt)
BG	Bestimmungsgrenze
NG	Nachweisgrenze
WF	Wiederfindungsrate in %, bezogen auf den zugewiesenen Wert (angegeben auf 3 signifikante Stellen, dargestellt maximal 1 Nachkommastelle)
MW	Mittelwert
z-Score	Abweichung des Messergebnisses zum zugewiesenen Wert, ausgedrückt als Vielfaches des Kriteriums (angegeben auf 3 signifikante Stellen, dargestellt maximal 2 Nachkommastellen)
E _n -Score	Abweichung des Messergebnisses zum zugewiesenen Wert, ausgedrückt als Vielfaches der kombinierten Messunsicherheiten, bestehend aus erweiterter Unsicherheit des zugewiesenen Wertes und der erweiterten Unsicherheit der Messergebnisse der Teilnehmenden (angegeben auf 3 signifikante Stellen, dargestellt maximal 2 Nachkommastellen). Beim E _n -Score erfolgt die Berücksichtigung der Messunsicherheit der Teilnehmenden.
-	Keine Daten übermittelt bzw. keine Berechnung möglich
Anmerkungen	Anmerkungen zum jeweiligen Messergebnis (z.B. H, FN, FP)
H	Ausreißer nach dem Hampel-Test
FN	Falsch negativ – Messergebnis kleiner 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 Ergebnissen der Teilnehmenden des aktuellen Ringversuchs (angegeben auf 3 signifikante Stellen)
rel. Standardabweichung	relative Vergleichsstandardabweichung in %, berechnet aus den Ergebnissen der Teilnehmenden des aktuellen Ringversuchs bezogen auf den Mittelwert (angegeben auf 3 signifikante Stellen)
n	Anzahl der Messergebnisse
*	Kennzeichnung für Hinweise zur Erläuterung

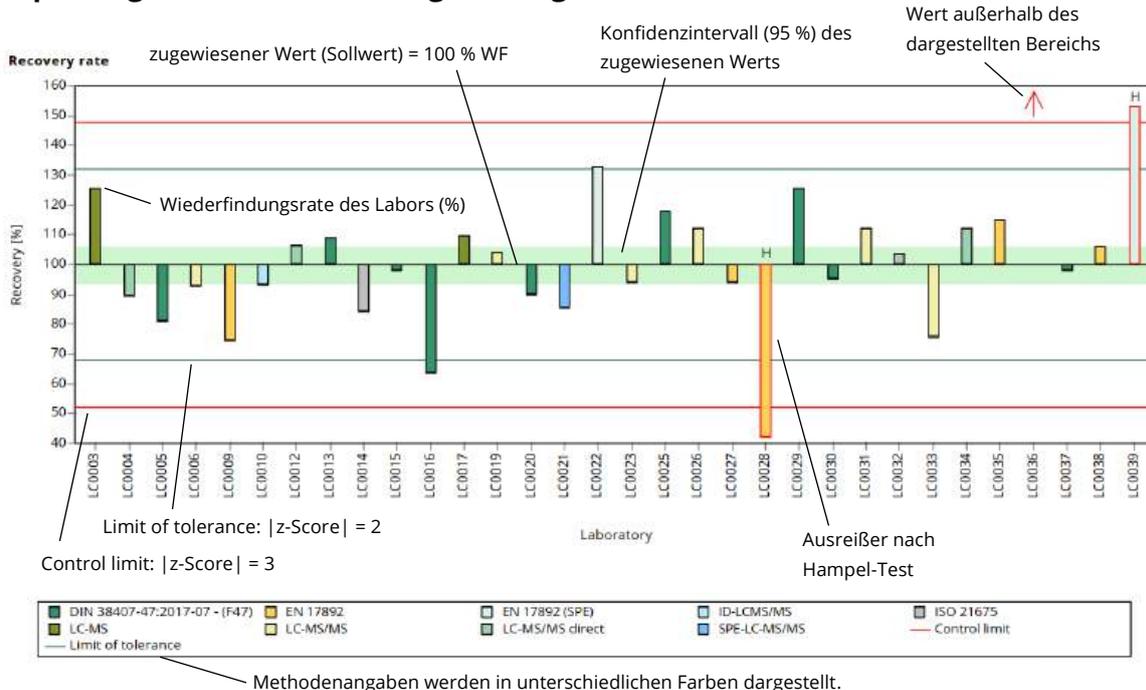
D5.2. Graphische Darstellung der Ergebnisse

Nachfolgend wird die graphische Darstellung anhand von kommentierten Beispieldiagrammen erläutert.

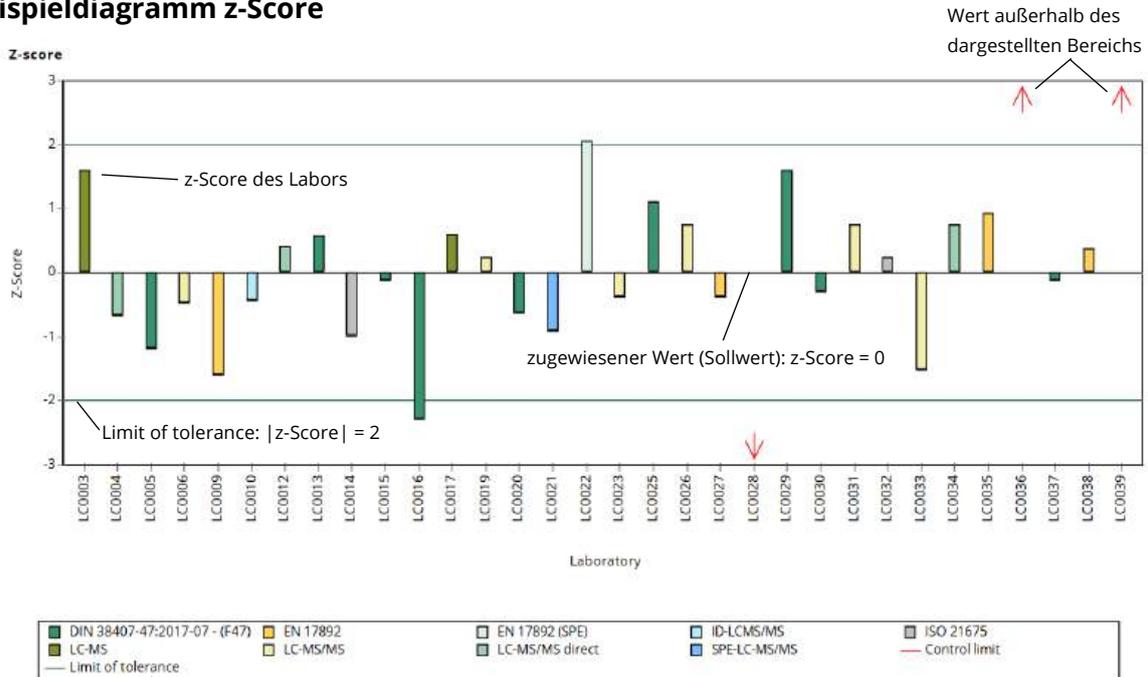
Beispieldiagramm Messwerte



Beispieldiagramm Wiederfindung zum zugewiesenen Wert

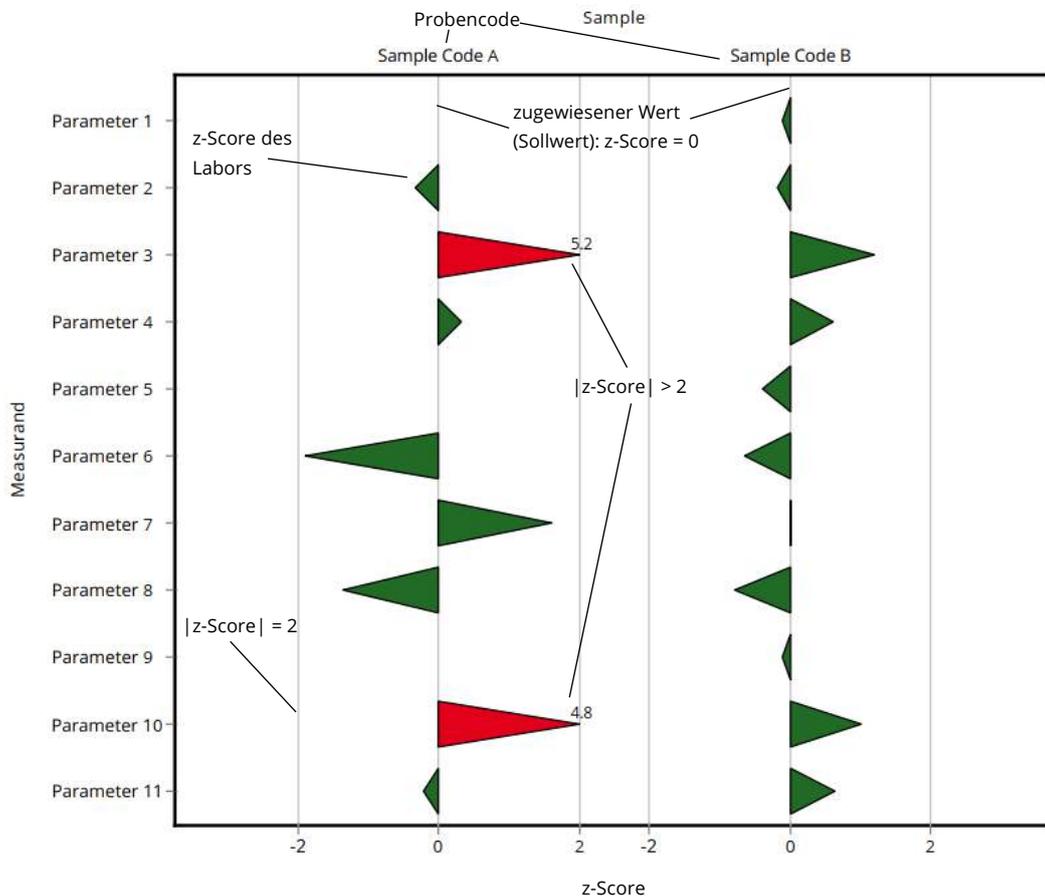


Beispieldiagramm z-Score

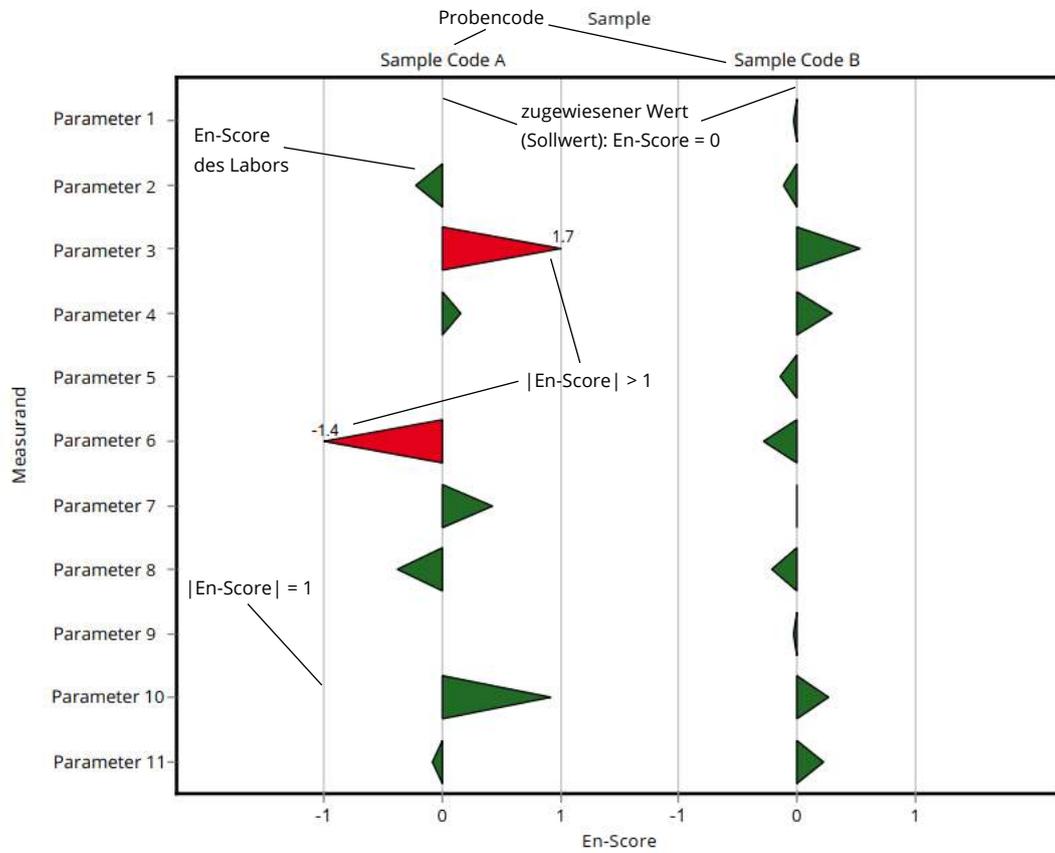


Methodenangaben werden in unterschiedlichen Farben dargestellt.

Beispieldiagramm z-Score (labororientierte Auswertung)



Beispieldiagramm En-Score (labororientierte Auswertung)



D6. Zusammenfassung

D6.1. Tabelle der zugewiesenen Werte

Parameter	Probe	Einheit	zugewiesener ± U (k=2) Wert	Kriterium	Kriterium [%]
Säurekapazität Ks 4,3	N180 A	mmol/l	7.31 ± 0.0254	0.146	2
	N180 B	mmol/l	3.5 ± 0.0202	0.0699	2
Ammonium (als NH ₄)	N180 A	mg/l	0.0867 ± 0.00322	0.0104	12
	N180 B	mg/l	0.29 ± 0.0086	0.0348	12
Bor	N180 A	mg/l	0.0592 ± 0.00162	0.00652	11
	N180 B	mg/l	0.0162 ± 0.000839	0.00179	11
Calcium	N180 A	mg/l	168 ± 1.9	5.2	3.1
	N180 B	mg/l	65.6 ± 0.729	2.03	3.1
Chlorid	N180 A	mg/l	110 ± 0.63	4.41	4
	N180 B	mg/l	41.2 ± 0.375	1.65	4
DOC (berechnet als C)	N180 A DOC	mg/l	1.55 ± 0.082	0.186	12
	N180 B DOC	mg/l	2.87 ± 0.0629	0.287	10
elektr. Leitfähigkeit (25°C)	N180 A	µS/cm	1170 ± 4.33	15.3	1.3
	N180 B	µS/cm	571 ± 1.88	7.42	1.3
Hydrogencarbonat	N180 A	mg/l	445 ± 1.63	8.9	2
	N180 B	mg/l	211 ± 1.2	4.22	2
Magnesium	N180 A	mg/l	39.8 ± 0.541	1.59	4
	N180 B	mg/l	15.8 ± 0.174	0.632	4
Nitrat (als NO ₃)	N180 A	mg/l	10.1 ± 0.0896	0.507	5
	N180 B	mg/l	29.5 ± 0.271	1.48	5
Nitrit (als NO ₂)	N180 A	mg/l	0.0307 ± 0.00108	0.00307	10
	N180 B	mg/l	0.385 ± 0.00518	0.0204	5.3
Orthophosphat (als PO ₄)	N180 A	mg/l	0.051 ± 0.00379	0.0102	20
	N180 B	mg/l	0.411 ± 0.051	0.123	30
pH-Wert	N180 A	-	7.6 ± 0.0251	0.152	2
	N180 B	-	7.58 ± 0.0328	0.152	2
Kalium	N180 A	mg/l	2.5 ± 0.0456	0.13	5.2
	N180 B	mg/l	2.79 ± 0.0421	0.145	5.2
Natrium	N180 A	mg/l	23.3 ± 0.188	0.791	3.4
	N180 B	mg/l	24.8 ± 0.253	0.844	3.4
Sulfat (als SO ₄)	N180 A	mg/l	106 ± 0.947	3.51	3.3
	N180 B	mg/l	32 ± 0.308	1.06	3.3

Parameter	Probe	Einheit	zugewiesener ± U (k=2) Wert	Kriterium	Kriterium [%]
Gesamt-P (als PO ₄)	N180 A	mg/l	0.145 ± 0.00263	0.0109	7.5
	N180 B	mg/l	2.01 ± 0.0245	0.151	7.5
Gesamthärte	N180 A	mmol/l	5.84 ± 0.0648	0.175	3
	N180 B	mmol/l	2.29 ± 0.0232	0.0686	3
Gesamtstickstoff	N180 A	mg/l	2.49 ± 0.0962	0.207	8.3
	N180 B	mg/l	7.29 ± 0.23	0.605	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	N180 A	33	4	mmol/l	7.31	± 0.0381	7.16	7.49	0.073	1
	N180 B	35	3	mmol/l	3.5	± 0.0303	3.39	3.66	0.0598	1.7
Ammonium (als NH ₄)	N180 A	32	6	mg/l	0.0867	± 0.00483	0.069	0.105	0.00911	10
	N180 B	36	6	mg/l	0.29	± 0.0129	0.219	0.352	0.0258	8.9
Bor	N180 A	18	1	mg/l	0.059	± 0.00237	0.054	0.0676	0.00335	5.7
	N180 B	14	2	mg/l	0.0165	± 0.00148	0.0143	0.0205	0.00185	11
Calcium	N180 A	34	1	mg/l	168	± 2.84	158	178	5.53	3.3
	N180 B	34	1	mg/l	65.8	± 1.05	62.9	69.8	2.04	3.1
Chlorid	N180 A	40	1	mg/l	110	± 0.944	106	115	1.99	1.8
	N180 B	42	0	mg/l	41.2	± 0.562	38.1	43.9	1.22	3
DOC (berechnet als C)	N180 A DOC	27	4	mg/l	1.55	± 0.111	1.18	2.03	0.192	12
	N180 B DOC	27	5	mg/l	2.87	± 0.0952	2.45	3.23	0.165	5.7
elektr. Leitfähigkeit (25°C)	N180 A	41	3	µS/cm	1170	± 6.49	1140	1190	13.8	1.2
	N180 B	44	1	µS/cm	571	± 2.82	555	586	6.24	1.1
Hydrogencarbonat	N180 A	26	2	mg/l	445	± 2.45	438	454	4.16	0.93
	N180 B	25	3	mg/l	211	± 1.79	205	216	2.99	1.4
Magnesium	N180 A	35	0	mg/l	39.8	± 0.812	35.6	44.2	1.6	4
	N180 B	33	2	mg/l	15.8	± 0.267	14.6	16.6	0.511	3.2
Nitrat (als NO ₃)	N180 A	36	3	mg/l	10.1	± 0.134	9.5	10.8	0.269	2.6
	N180 B	39	1	mg/l	29.5	± 0.406	27.4	31.3	0.846	2.9
Nitrit (als NO ₂)	N180 A	33	2	mg/l	0.0307	± 0.00162	0.025	0.038	0.0031	10
	N180 B	35	4	mg/l	0.385	± 0.00777	0.358	0.424	0.0153	4

Parameter	Probe	Anzahl Labors für Berechnung	Anzahl Ausreißer Labors	Einheit	Mittelwert ± VB (99%)	Minimum	Maximum	sR	vR [%]
Orthophosphat (als PO ₄)	N180 A	30	3	mg/l	0.0504 ± 0.00546	0.028	0.0727	0.00996	20
	N180 B	30	7	mg/l	0.412 ± 0.0677	0.114	0.546	0.124	30
pH-Wert	N180 A	39	4	-	7.61 ± 0.0367	7.4	7.78	0.0764	1
	N180 B	42	2	-	7.58 ± 0.0465	7.4	7.84	0.1	1.3
Kalium	N180 A	33	1	mg/l	2.5 ± 0.0684	2.29	2.82	0.131	5.3
	N180 B	34	0	mg/l	2.79 ± 0.0632	2.6	3.1	0.123	4.4
Natrium	N180 A	30	5	mg/l	23.3 ± 0.283	22.2	24.5	0.516	2.2
	N180 B	32	3	mg/l	24.8 ± 0.379	23.4	26.5	0.715	2.9
Sulfat (als SO ₄)	N180 A	37	2	mg/l	106 ± 1.42	100	115	2.88	2.7
	N180 B	37	3	mg/l	32 ± 0.462	30.1	34.4	0.938	2.9
Gesamt-P (als PO ₄)	N180 A	22	8	mg/l	0.145 ± 0.00394	0.125	0.153	0.00616	4.2
	N180 B	26	5	mg/l	2.01 ± 0.0367	1.9	2.18	0.0624	3.1
Gesamthärte	N180 A	28	1	mmol/l	5.84 ± 0.0972	5.47	6.17	0.171	2.9
	N180 B	28	2	mmol/l	2.3 ± 0.0338	2.19	2.42	0.0597	2.6
Gesamtstickstoff	N180 A	22	0	mg/l	2.49 ± 0.144	2.18	2.99	0.226	9
	N180 B	23	0	mg/l	7.29 ± 0.346	6.31	8.53	0.553	7.6

E1. Description of the proficiency test

E1.1. Design and implementation

- Number of registrations: 50
- Number of submitted data records: 50
- Dispatch of samples: February 03rd, 2026
- Closing date for submission of data: March 03rd, 2026

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

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

E1.2. Description of the proficiency test items

The sampling of groundwater and surface water were both carried out on 28th of January 2026.

The following samples were made available

- 1 sample groundwater (N180 A)
- 1 sample surface water (N180 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).

The homogeneous proficiency test items were dispatched on February 03rd, 2026.

Each participant received:

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

E1.3. Instructions for the participants

For reasons of stability, it was recommended to start the analysis by the 11th of February 2026 at the latest.

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

E1.4. Control testing for homogeneity evaluation

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

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

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

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

E1.5. Trend test for stability evaluation

The evaluation of stability of the proficiency test items was performed using the data statistics of the results of previous proficiency testing rounds for real water samples of the period from 2013 to 2025.

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

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

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

E1.6. Determination of the assigned values

The analytical results had to be made available to the organiser not later than 03rd of March 2026. Any values received at later date were not considered.

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

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

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

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

The assigned values are normally calculated as the mean over all submitted results, after removal of outliers. The traceability of the assigned value is checked by comparing it with the mean value of the control testing laboratory.

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

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

E2. Criteria of performance evaluation

E2.1. Performance criterion z-Score

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

z-Scores were calculated based on the following formula:

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

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 2025 (as RSD pooled). Where justified (e.g. results for real water samples are close to minimum quantification limit or in case of regulatory requirements) the 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

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

E_n-Scores were calculated based on the following formula:

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

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

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

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

Interpretation of z-Scores:

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

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

Interpretation of E_n -Scores:

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

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

E3. Representation and interpretation of measurement results

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

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

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

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

E4. Explanatory notes

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

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

As a result of a long-term evaluation of proficiency testing rounds between 2013 and 2025 in real samples, evaluation criteria (RSDpool) were calculated. These criteria were compared with the relative reproducibility standard deviation (vR) of the current proficiency testing.

Parameters boron, DOC (as C), orthophosphate (as PO₄) and pH-value for sample N180 A and parameters boron, calcium, DOC (as C), magnesium, orthophosphate (as PO₄), pH-value and total hardness for sample N180 B:

The assigned values calculated based on the participants' results were outside of the measurement uncertainty of the control test value or < LOQ (boron) 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.

Parameters DOC (as C), nitrite (as NO₂) and orthophosphate (as PO₄) for sample N180 A and parameter orthophosphate (as PO₄) for sample N180 B:

For these parameters the reproducibility standard deviation (vR) of the current proficiency testing round was chosen for assessment.

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

E5. Annotations on tables and charts

E5.1. Information and abbreviations in tables

Parameter	Analyte identifier
Sample	Sample identifier
Unit	Given unit for result and uncertainty (e.g. µg/l)
Assigned value	Target value for proficiency assessment of the participants (3 significant digits)
U (k=2)	Expanded uncertainty (k=2) of the assigned value (3 significant digits)

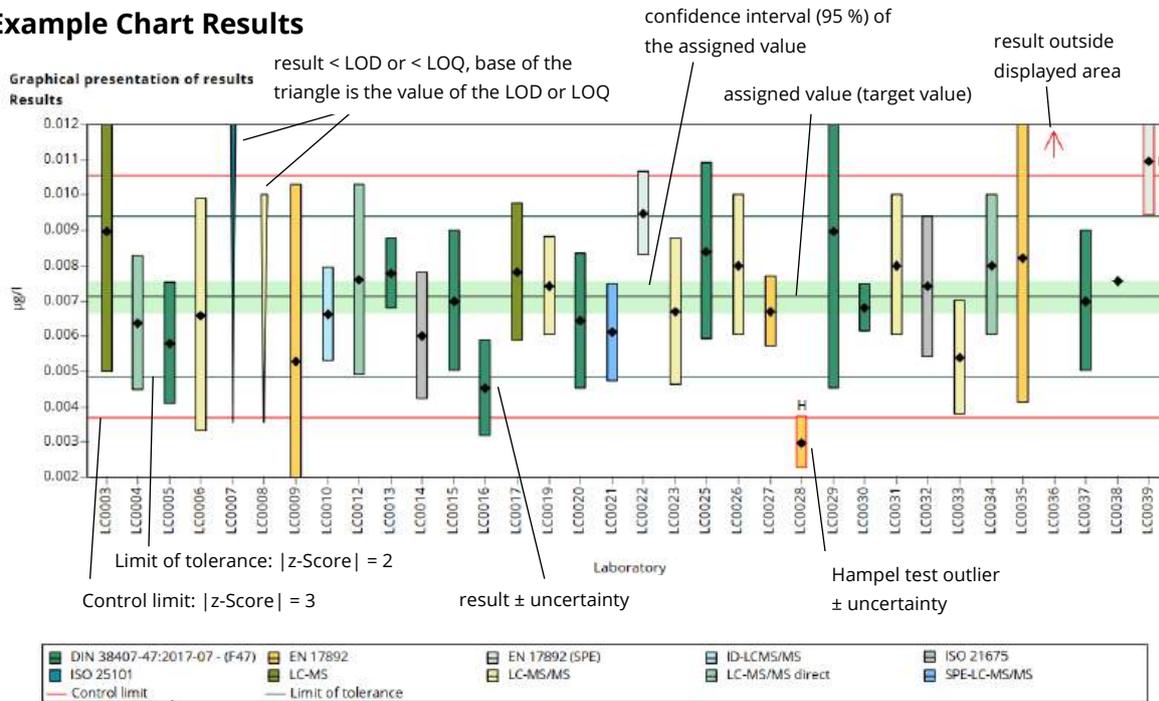
Criteria	Specified value for the determination of the z-score in the given unit (3 significant digits)
Criteria [%]	Specified value for the determination of the z-score in % of the assigned value (2 significant digits)
Mean	Mean of the results of the participants, without outliers (3 significant digits)
CI (99 %)	99 % confidence interval (3 significant digits)
Minimum	Minimum of all submitted results, after removal of outliers (3 significant digits)
Maximum	Maximum of all submitted results, after removal of outliers (3 significant digits)
SD	Reproducibility standard deviation, calculated from the participants results, after removal of outliers (3 significant digits)
RSD %	Reproducibility standard deviation, calculated from the participants results relative to the target value, given in %, after removal of outliers (2 significant digits)
Control test value ± U (k=2)	Mean of control test value ± expanded measurement uncertainty (3 significant digits)
Labcode	Laboratory identifier (anonymized)
Result ± U	Result as indicated by participant (max. 5 decimal places) combined measurement uncertainty without expansion factor (k=1), as indicated by participant (max. 5 decimal places)
LOQ	Limit of quantification
LOD	Limit of detection
Recovery	Recovery rate in % based on assigned value (target value) (3 significant digits, max. one decimal place given)
z-Score	Deviation of result based on the assigned value (target value) given as a multiple of the criteria (3 significant digits, max. 2 decimal places given)
E _n -Score	Deviation of result based on the assigned value (target value) given as a multiple of the combined expanded measurement uncertainty of the participant's results and expanded measurement uncertainty for the assigned value (3 significant digits, max. 2 decimal places given). Note: E _n -Score assessment considers the measurement uncertainty of the participants.
-	No data available or no calculation possible
Comments	Comment on the respective result (e.g. H, FN, FP)
H	Outlier according to Hampel-Test

FN	False negative – for a result < LOQ or result < LOD: The absolute value of the LOQ or LOD fulfils the condition of an outlier according to the Hampel test.
FP	False positive; for parameters where no target value is available because of a too low analyte content ($n < 6$): Result that exceeds the median of the absolute values of the transmitted LOQs or LODs by more than 100 %.
Standard deviation	Reproducibility standard deviation, calculated from the participants results (3 significant digits)
Rel. standard deviation	Reproducibility standard deviation, calculated from the participants results relative to the target value, given in %, (3 significant digits)
n	Number of results
*	mark for additional comments

E5.2. Graphical presentation of results

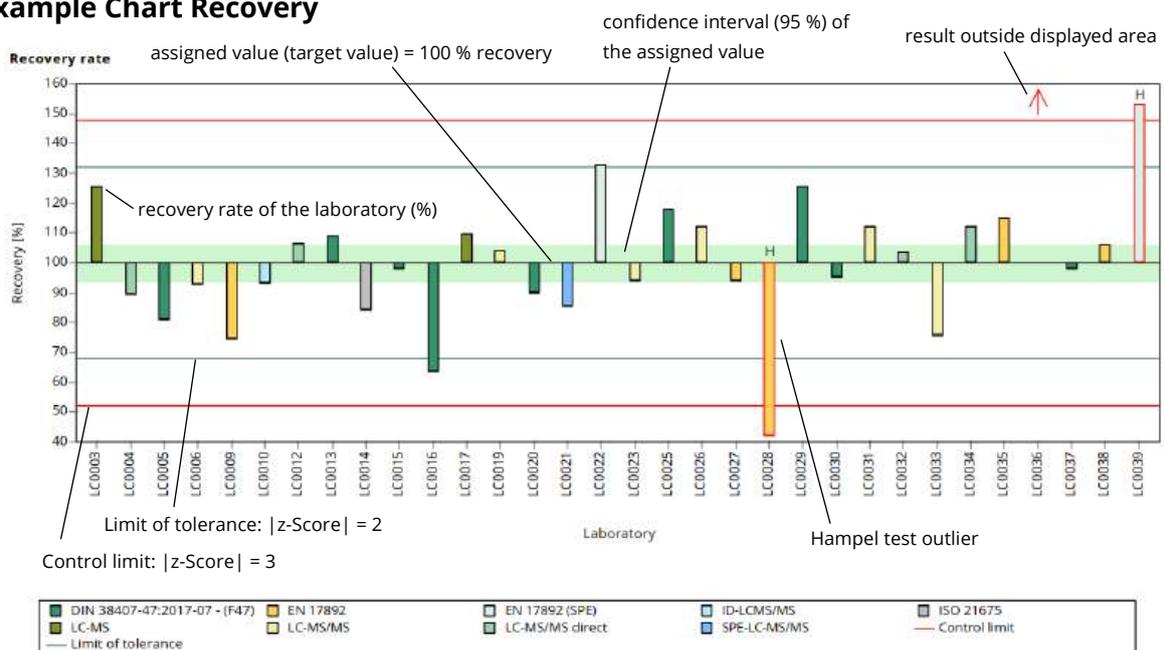
The graphic representation in the report is explained below by means of commented example diagrams.

Example Chart Results



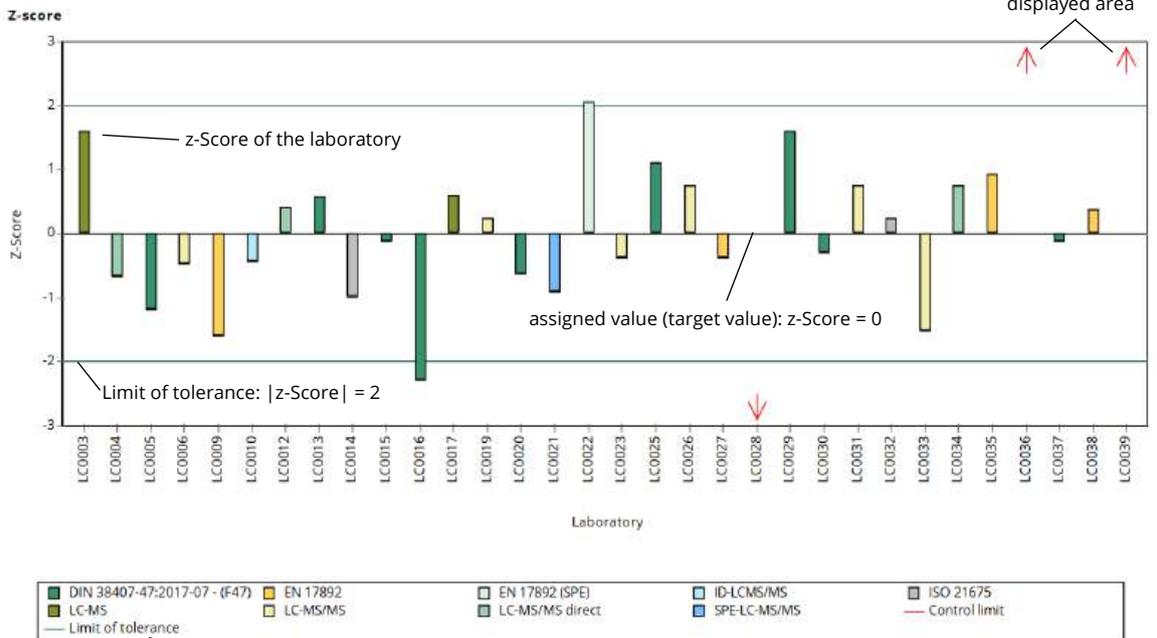
The method information is indicated by different colours.

Example Chart Recovery



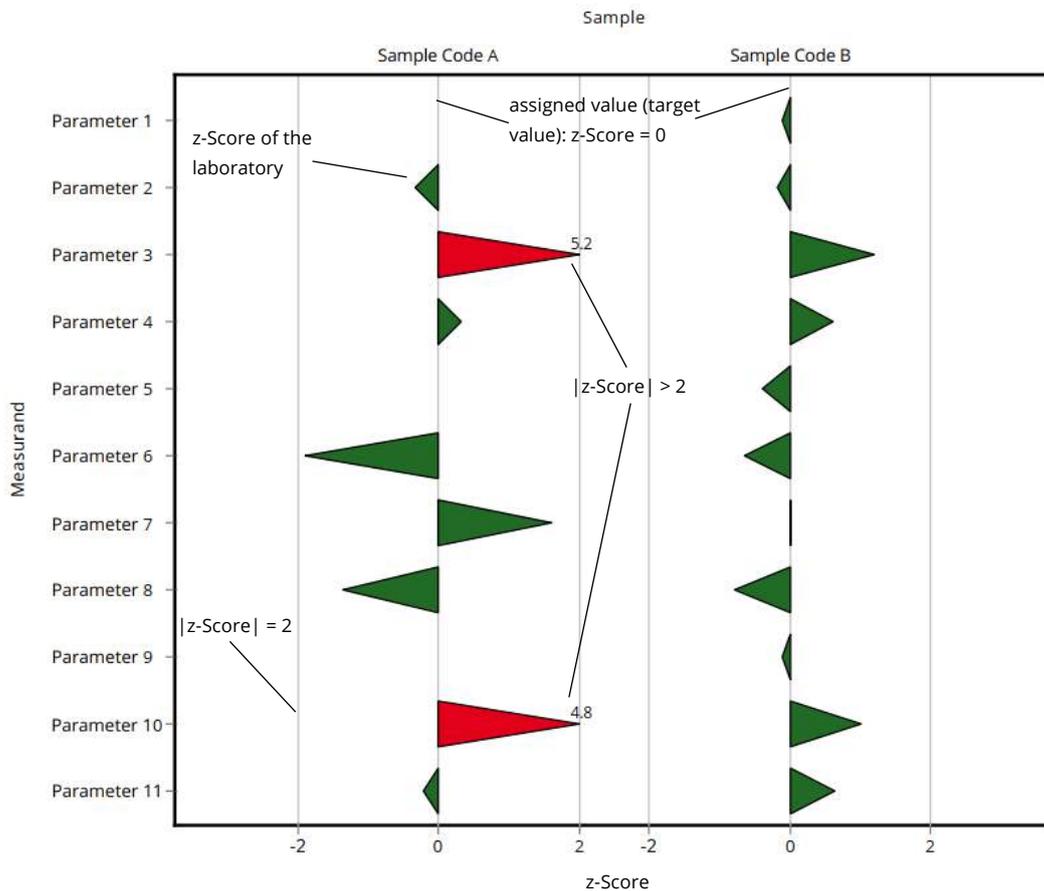
The method information is indicated by different colours.

Example chart z-Score

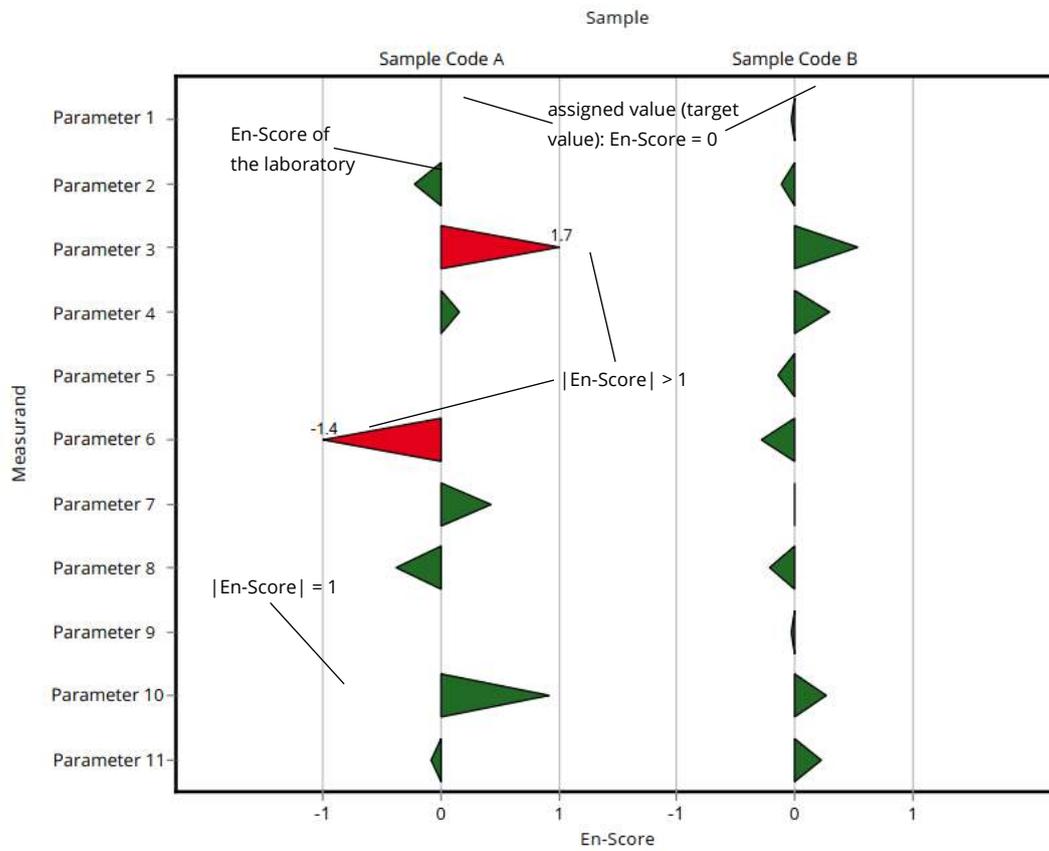


The method information is indicated by different colours.

Example chart z-Score (laboratory-oriented report)



Example chart En-Score (laboratory-oriented report)



E6. Summary

E6.1. Table of assigned values

Parameter	Sample	Unit	Assigned value ± U (k=2)	Criterion	Criterion [%]
Alkalinity Ks 4,3	N180 A	mmol/l	7.31 ± 0.0254	0.146	2
	N180 B	mmol/l	3.5 ± 0.0202	0.0699	2
Ammonium (as NH ₄)	N180 A	mg/l	0.0867 ± 0.00322	0.0104	12
	N180 B	mg/l	0.29 ± 0.0086	0.0348	12
Boron	N180 A	mg/l	0.0592 ± 0.00162	0.00652	11
	N180 B	mg/l	0.0162 ± 0.000839	0.00179	11
Calcium	N180 A	mg/l	168 ± 1.9	5.2	3.1
	N180 B	mg/l	65.6 ± 0.729	2.03	3.1
Chloride	N180 A	mg/l	110 ± 0.63	4.41	4
	N180 B	mg/l	41.2 ± 0.375	1.65	4
DOC (as C)	N180 A DOC	mg/l	1.55 ± 0.082	0.186	12
	N180 B DOC	mg/l	2.87 ± 0.0629	0.287	10
El. conductivity (25°C)	N180 A	µS/cm	1170 ± 4.33	15.3	1.3
	N180 B	µS/cm	571 ± 1.88	7.42	1.3
Hydrogen carbonate	N180 A	mg/l	445 ± 1.63	8.9	2
	N180 B	mg/l	211 ± 1.2	4.22	2
Magnesium	N180 A	mg/l	39.8 ± 0.541	1.59	4
	N180 B	mg/l	15.8 ± 0.174	0.632	4
Nitrate (as NO ₃)	N180 A	mg/l	10.1 ± 0.0896	0.507	5
	N180 B	mg/l	29.5 ± 0.271	1.48	5
Nitrite (as NO ₂)	N180 A	mg/l	0.0307 ± 0.00108	0.00307	10
	N180 B	mg/l	0.385 ± 0.00518	0.0204	5.3
Orthophosphate (as PO ₄)	N180 A	mg/l	0.051 ± 0.00379	0.0102	20
	N180 B	mg/l	0.411 ± 0.051	0.123	30
pH-value	N180 A	-	7.6 ± 0.0251	0.152	2
	N180 B	-	7.58 ± 0.0328	0.152	2
Potassium	N180 A	mg/l	2.5 ± 0.0456	0.13	5.2
	N180 B	mg/l	2.79 ± 0.0421	0.145	5.2
Sodium	N180 A	mg/l	23.3 ± 0.188	0.791	3.4
	N180 B	mg/l	24.8 ± 0.253	0.844	3.4
Sulfate (as SO ₄)	N180 A	mg/l	106 ± 0.947	3.51	3.3
	N180 B	mg/l	32 ± 0.308	1.06	3.3

Parameter	Sample	Unit	Assigned value ± U (k=2)	Criterion	Criterion [%]
Total-P (as PO ₄)	N180 A	mg/l	0.145 ± 0.00263	0.0109	7.5
	N180 B	mg/l	2.01 ± 0.0245	0.151	7.5
Total hardness	N180 A	mmol/l	5.84 ± 0.0648	0.175	3
	N180 B	mmol/l	2.29 ± 0.0232	0.0686	3
Total nitrogen	N180 A	mg/l	2.49 ± 0.0962	0.207	8.3
	N180 B	mg/l	7.29 ± 0.23	0.605	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	N180 A	33	4	mmol/l	7.31 ± 0.0381	7.16	7.49	0.073	1
	N180 B	35	3	mmol/l	3.5 ± 0.0303	3.39	3.66	0.0598	1.7
Ammonium (as NH ₄)	N180 A	32	6	mg/l	0.0867 ± 0.00483	0.069	0.105	0.00911	10
	N180 B	36	6	mg/l	0.29 ± 0.0129	0.219	0.352	0.0258	8.9
Boron	N180 A	18	1	mg/l	0.059 ± 0.00237	0.054	0.0676	0.00335	5.7
	N180 B	14	2	mg/l	0.0165 ± 0.00148	0.0143	0.0205	0.00185	11
Calcium	N180 A	34	1	mg/l	168 ± 2.84	158	178	5.53	3.3
	N180 B	34	1	mg/l	65.8 ± 1.05	62.9	69.8	2.04	3.1
Chloride	N180 A	40	1	mg/l	110 ± 0.944	106	115	1.99	1.8
	N180 B	42	0	mg/l	41.2 ± 0.562	38.1	43.9	1.22	3
DOC (as C)	N180 A DOC	27	4	mg/l	1.55 ± 0.111	1.18	2.03	0.192	12
	N180 B DOC	27	5	mg/l	2.87 ± 0.0952	2.45	3.23	0.165	5.7
El. conductivity (25°C)	N180 A	41	3	µS/cm	1170 ± 6.49	1140	1190	13.8	1.2
	N180 B	44	1	µS/cm	571 ± 2.82	555	586	6.24	1.1
Hydrogen carbonate	N180 A	26	2	mg/l	445 ± 2.45	438	454	4.16	0.93
	N180 B	25	3	mg/l	211 ± 1.79	205	216	2.99	1.4
Magnesium	N180 A	35	0	mg/l	39.8 ± 0.812	35.6	44.2	1.6	4
	N180 B	33	2	mg/l	15.8 ± 0.267	14.6	16.6	0.511	3.2
Nitrate (as NO ₃)	N180 A	36	3	mg/l	10.1 ± 0.134	9.5	10.8	0.269	2.6
	N180 B	39	1	mg/l	29.5 ± 0.406	27.4	31.3	0.846	2.9
Nitrite (as NO ₂)	N180 A	33	2	mg/l	0.0307 ± 0.00162	0.025	0.038	0.0031	10
	N180 B	35	4	mg/l	0.385 ± 0.00777	0.358	0.424	0.0153	4

Parameter	Sample	Number of results for calculation	Number of outliers	Unit	Mean ± CI (99%)	Minimum	Maximum	sR	vR [%]
Orthophosphate (as PO ₄)	N180 A	30	3	mg/l	0.0504 ± 0.00546	0.028	0.0727	0.00996	20
	N180 B	30	7	mg/l	0.412 ± 0.0677	0.114	0.546	0.124	30
pH-value	N180 A	39	4	-	7.61 ± 0.0367	7.4	7.78	0.0764	1
	N180 B	42	2	-	7.58 ± 0.0465	7.4	7.84	0.1	1.3
Potassium	N180 A	33	1	mg/l	2.5 ± 0.0684	2.29	2.82	0.131	5.3
	N180 B	34	0	mg/l	2.79 ± 0.0632	2.6	3.1	0.123	4.4
Sodium	N180 A	30	5	mg/l	23.3 ± 0.283	22.2	24.5	0.516	2.2
	N180 B	32	3	mg/l	24.8 ± 0.379	23.4	26.5	0.715	2.9
Sulfate (as SO ₄)	N180 A	37	2	mg/l	106 ± 1.42	100	115	2.88	2.7
	N180 B	37	3	mg/l	32 ± 0.462	30.1	34.4	0.938	2.9
Total-P (as PO ₄)	N180 A	22	8	mg/l	0.145 ± 0.00394	0.125	0.153	0.00616	4.2
	N180 B	26	5	mg/l	2.01 ± 0.0367	1.9	2.18	0.0624	3.1
Total hardness	N180 A	28	1	mmol/l	5.84 ± 0.0972	5.47	6.17	0.171	2.9
	N180 B	28	2	mmol/l	2.3 ± 0.0338	2.19	2.42	0.0597	2.6
Total nitrogen	N180 A	22	0	mg/l	2.49 ± 0.144	2.18	2.99	0.226	9
	N180 B	23	0	mg/l	7.29 ± 0.346	6.31	8.53	0.553	7.6

E7. Parameterorientierte Auswertung / Parameter oriented report

Alkalinity Ks 4,3	36
Ammonium (as NH ₄).....	46
Boron.....	56
Calcium.....	66
Chloride.....	76
DOC (as C)	86
El. conductivity (25°C).....	96
Hydrogen carbonate	106
Magnesium	116
Nitrate (as NO ₃)	126
Nitrite (as NO ₂)	136
Orthophosphate (as PO ₄).....	146
pH-value	156
Potassium	166
Sodium	176
Sulfate (as SO ₄)	186
Total-P (as PO ₄).....	196
Total hardness.....	206
Total nitrogen.....	216

Parameter oriented report

N180 A

Alkalinity Ks 4,3

Unit	mmol/l
Assigned value ± U (k=2)	7.31 ± 0.0254
Criterion	0.146 (2 %)
Minimum - Maximum	7.16 - 7.49
Control test value ± U (k=2)	7.09 ± 0.709

Labcode	Result ± U	Recovery [%]	z-Score	Comments
LC0001	7.4 ± 0.006	101	0.61	
LC0002	7.43 ± 0.37	102	0.82	
LC0003	7.29 ± 0.73	99.7	-0.14	
LC0004	7.34 ± 0.196	100	0.2	
LC0005	7.33 ± 0.95	100	0.14	
LC0006	6.82 ± 0.2	93.3	-3.35	H
LC0007	- ± -	-	-	
LC0008	7.32 ± 0.01	100	0.07	
LC0009	7.36 ± 0.92	101	0.34	
LC0010	7.27 ± 0.11	99.5	-0.27	
LC0011	- ± -	-	-	
LC0012	7.24 ± 0.362	99	-0.48	
LC0013	- ± -	-	-	
LC0014	- ± -	-	-	
LC0015	7.36 ± 1.5	101	0.34	
LC0016	7.64 ± 0.22	105	2.26	H
LC0017	7.16 ± 1.25	97.9	-1.03	
LC0018	7.32 ± 0.3	100	0.07	
LC0019	3.614 ± 0.271	49.4	-25.28	H
LC0020	- ± -	-	-	
LC0021	7.34 ± 0.367	100	0.2	
LC0022	7.487 ± 0.416	102	1.21	
LC0023	7.27 ± 0.36	99.5	-0.27	
LC0024	7.3 ± 0.3	99.9	-0.07	
LC0025	7.3 ± 0.4	99.9	-0.07	
LC0026	7.413 ± 0.1	101	0.7	
LC0027	7.4 ± 0.888	101	0.61	
LC0028	- ± -	-	-	
LC0029	7.19 ± 1.079	98.4	-0.82	
LC0030	- ± -	-	-	
LC0031	- ± -	-	-	
LC0032	7.32 ± 0.288	100	0.07	
LC0033	7.3 ± 0.31	99.9	-0.07	
LC0034	7.3 ± 0.2	99.9	-0.07	
LC0035	- ± -	-	-	
LC0036	7.18 ± 0.57	98.2	-0.89	
LC0037	7.355 ± 0.199	101	0.31	
LC0038	7.2 ± 0.36	98.5	-0.75	
LC0039	7.31 ± 0.51	100	0	
LC0040	- ± -	-	-	
LC0041	7.3 ± 0.73	99.9	-0.07	

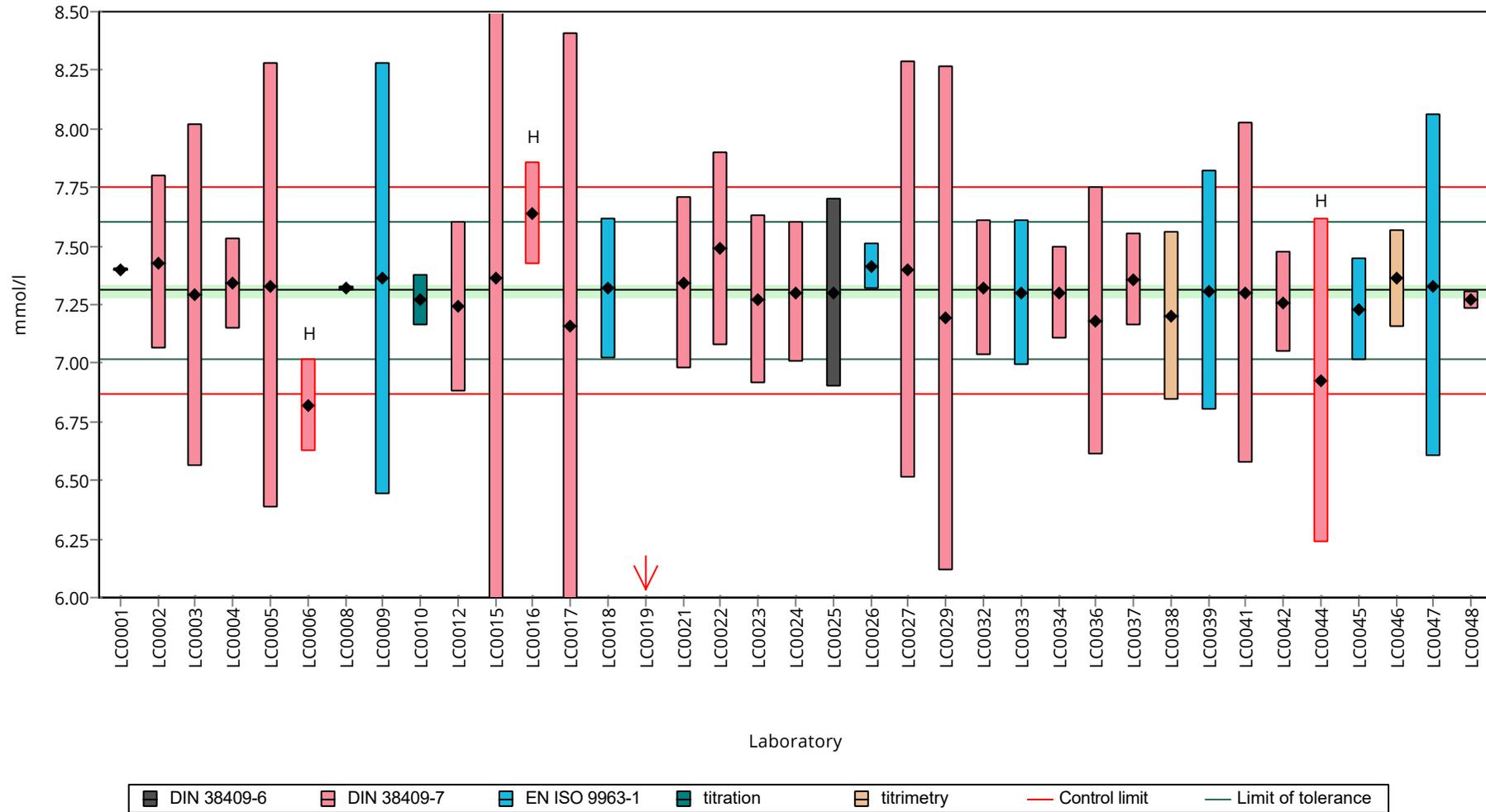
Labcode	Result ± U	Recovery [%]	z-Score	Comments
LC0042	7.26 ± 0.218	99.3	-0.34	
LC0043	- ± -	-	-	
LC0044	6.924 ± 0.692	94.7	-2.64	H
LC0045	7.23 ± 0.217	98.9	-0.55	
LC0046	7.36 ± 0.21	101	0.34	
LC0047	7.33 ± 0.73	100	0.14	
LC0048	7.269 ± 0.0406	99.4	-0.28	
LC0049	- ± -	-	-	
LC0050	- ± -	-	-	

Characteristics of parameter

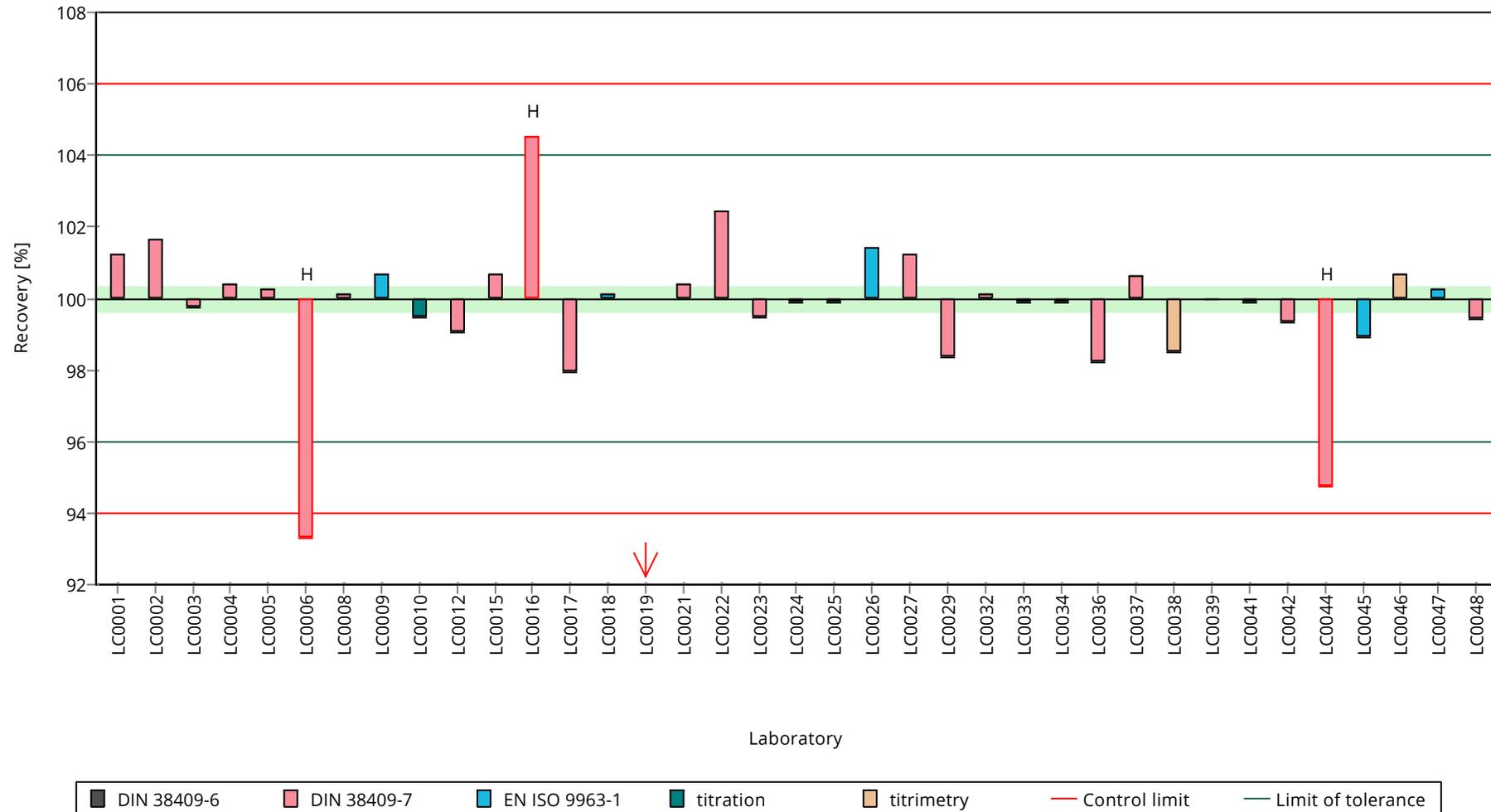
	all results	without outliers	Unit
Mean ± CI (99%)	7.2 ± 0.306	7.31 ± 0.0381	mmol/l
Minimum	3.61	7.16	mmol/l
Maximum	7.64	7.49	mmol/l
Standard deviation	0.62	0.073	mmol/l
rel. standard deviation	8.62	0.998	%
n	37	33	-

Graphical presentation of results

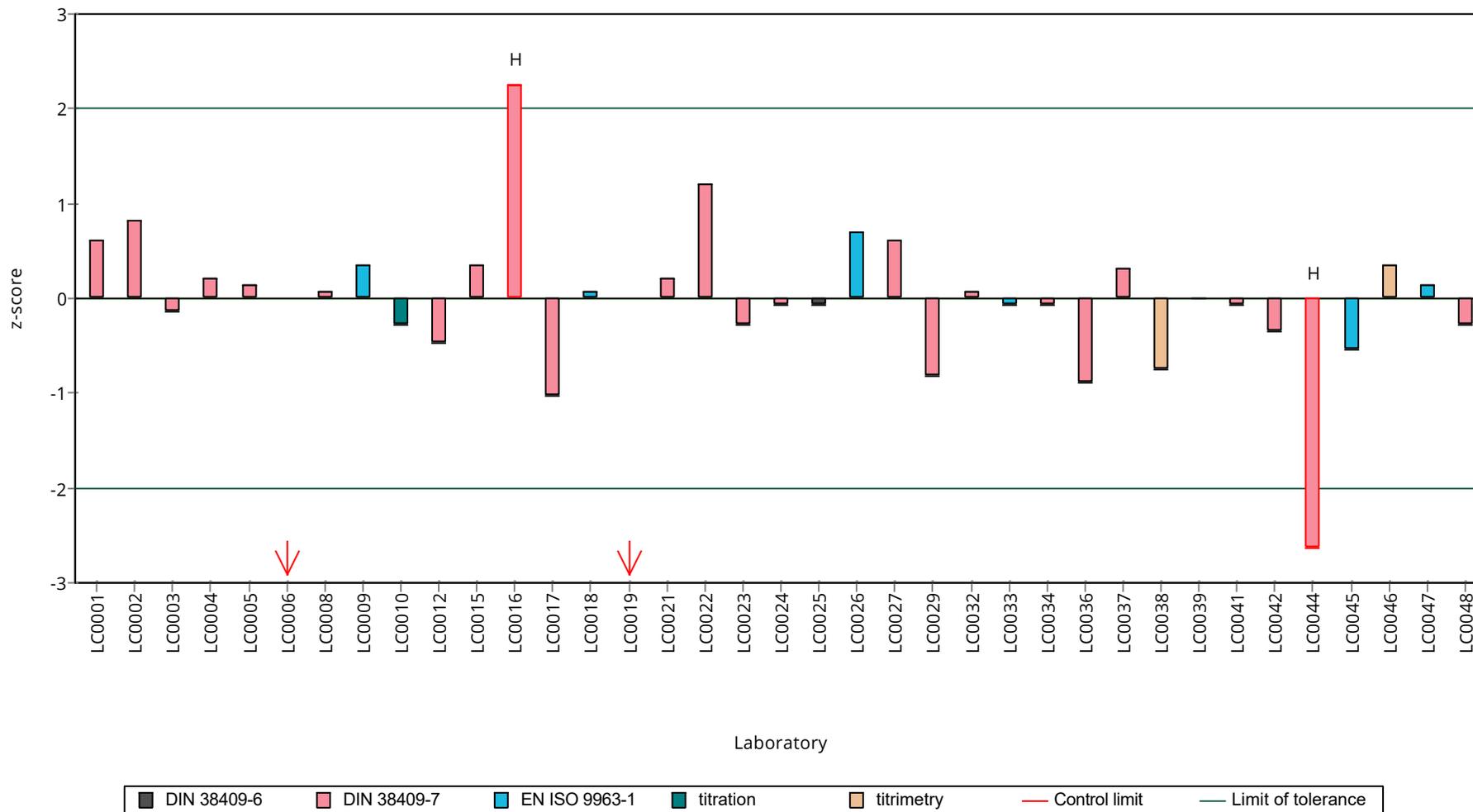
Results



Recovery rate



z-Score



Parameter oriented report

N180 B

Alkalinity Ks 4,3

Unit	mmol/l
Assigned value ± U (k=2)	3.5 ± 0.0202
Criterion	0.0699 (2 %)
Minimum - Maximum	3.39 - 3.66
Control test value ± U (k=2)	3.38 ± 0.338

Labcode	Result ± U	Recovery [%]	z-Score	Comments
LC0001	3.53 ± 0.006	101	0.5	
LC0002	3.55 ± 0.18	102	0.78	
LC0003	3.51 ± 0.35	100	0.21	
LC0004	3.49 ± 0.119	99.8	-0.08	
LC0005	3.57 ± 0.46	102	1.07	
LC0006	2.95 ± 0.2	84.4	-7.8	H
LC0007	- ± -	-	-	
LC0008	3.5 ± 0.01	100	0.07	
LC0009	3.5 ± 0.44	100	0.07	
LC0010	3.52 ± 0.05	101	0.35	
LC0011	- ± -	-	-	
LC0012	3.42 ± 0.171	97.8	-1.08	
LC0013	- ± -	-	-	
LC0014	3.73 ± 0.149	107	3.36	H
LC0015	3.52 ± 0.7	101	0.35	
LC0016	3.65 ± 0.11	104	2.21	
LC0017	3.42 ± 0.6	97.8	-1.08	
LC0018	3.49 ± 0.2	99.8	-0.08	
LC0019	1.725 ± 0.129	49.4	-25.32	H
LC0020	- ± -	-	-	
LC0021	3.5 ± 0.175	100	0.07	
LC0022	3.57 ± 0.196	102	1.07	
LC0023	3.44 ± 0.17	98.4	-0.79	
LC0024	3.46 ± 0.14	99	-0.5	
LC0025	3.5 ± 0.18	100	0.07	
LC0026	3.524 ± 0.1	101	0.41	
LC0027	3.54 ± 0.425	101	0.64	
LC0028	- ± -	-	-	
LC0029	3.42 ± 0.513	97.8	-1.08	
LC0030	- ± -	-	-	
LC0031	- ± -	-	-	
LC0032	3.463 ± 0.138	99.1	-0.46	
LC0033	3.54 ± 0.15	101	0.64	
LC0034	3.47 ± 0.1	99.3	-0.36	
LC0035	- ± -	-	-	
LC0036	3.44 ± 0.28	98.4	-0.79	
LC0037	3.51 ± 0.0946	100	0.21	
LC0038	3.44 ± 0.17	98.4	-0.79	
LC0039	3.39 ± 0.24	97	-1.51	
LC0040	- ± -	-	-	
LC0041	3.43 ± 0.69	98.1	-0.93	

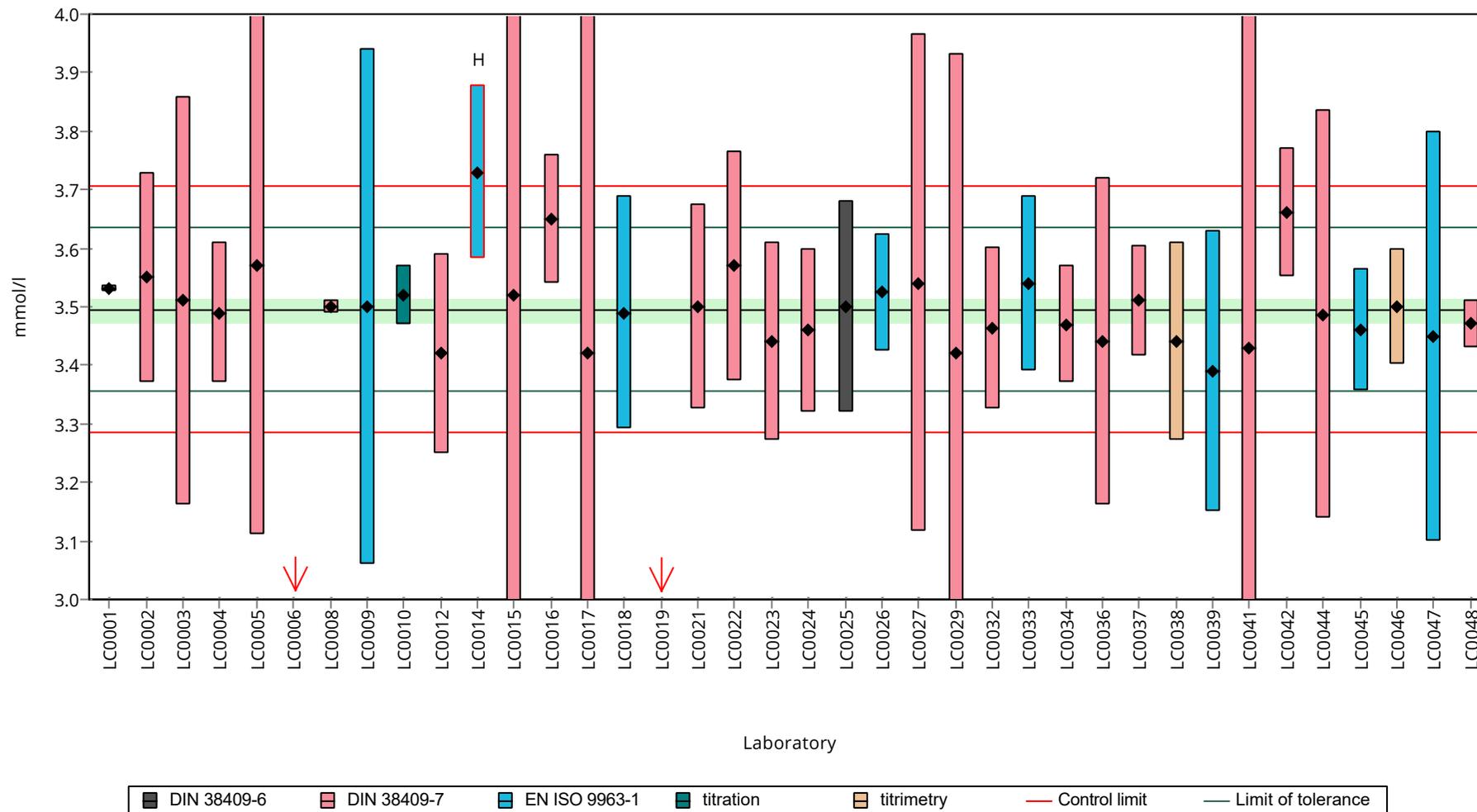
Labcode	Result ± U	Recovery [%]	z-Score	Comments
LC0042	3.66 ± 0.11	105	2.36	
LC0043	- ± -	-	-	
LC0044	3.487 ± 0.349	99.8	-0.12	
LC0045	3.46 ± 0.104	99	-0.5	
LC0046	3.5 ± 0.1	100	0.07	
LC0047	3.45 ± 0.35	98.7	-0.65	
LC0048	3.471 ± 0.0406	99.3	-0.35	
LC0049	- ± -	-	-	
LC0050	- ± -	-	-	

Characteristics of parameter

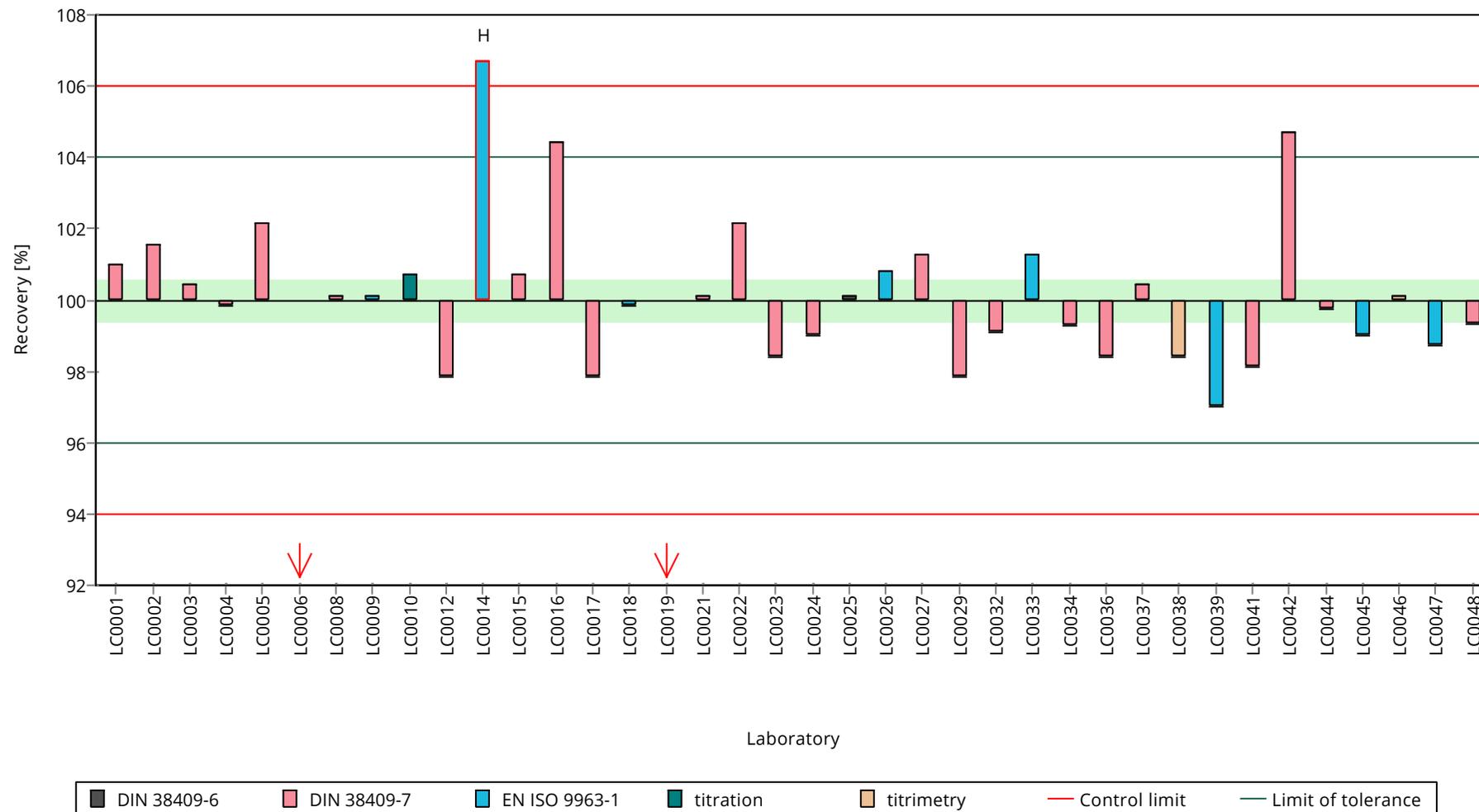
	all results	without outliers	Unit
Mean ± CI (99%)	3.44 ± 0.15	3.5 ± 0.0303	mmol/l
Minimum	1.73	3.39	mmol/l
Maximum	3.73	3.66	mmol/l
Standard deviation	0.307	0.0598	mmol/l
rel. standard deviation	8.93	1.71	%
n	38	35	-

Graphical presentation of results

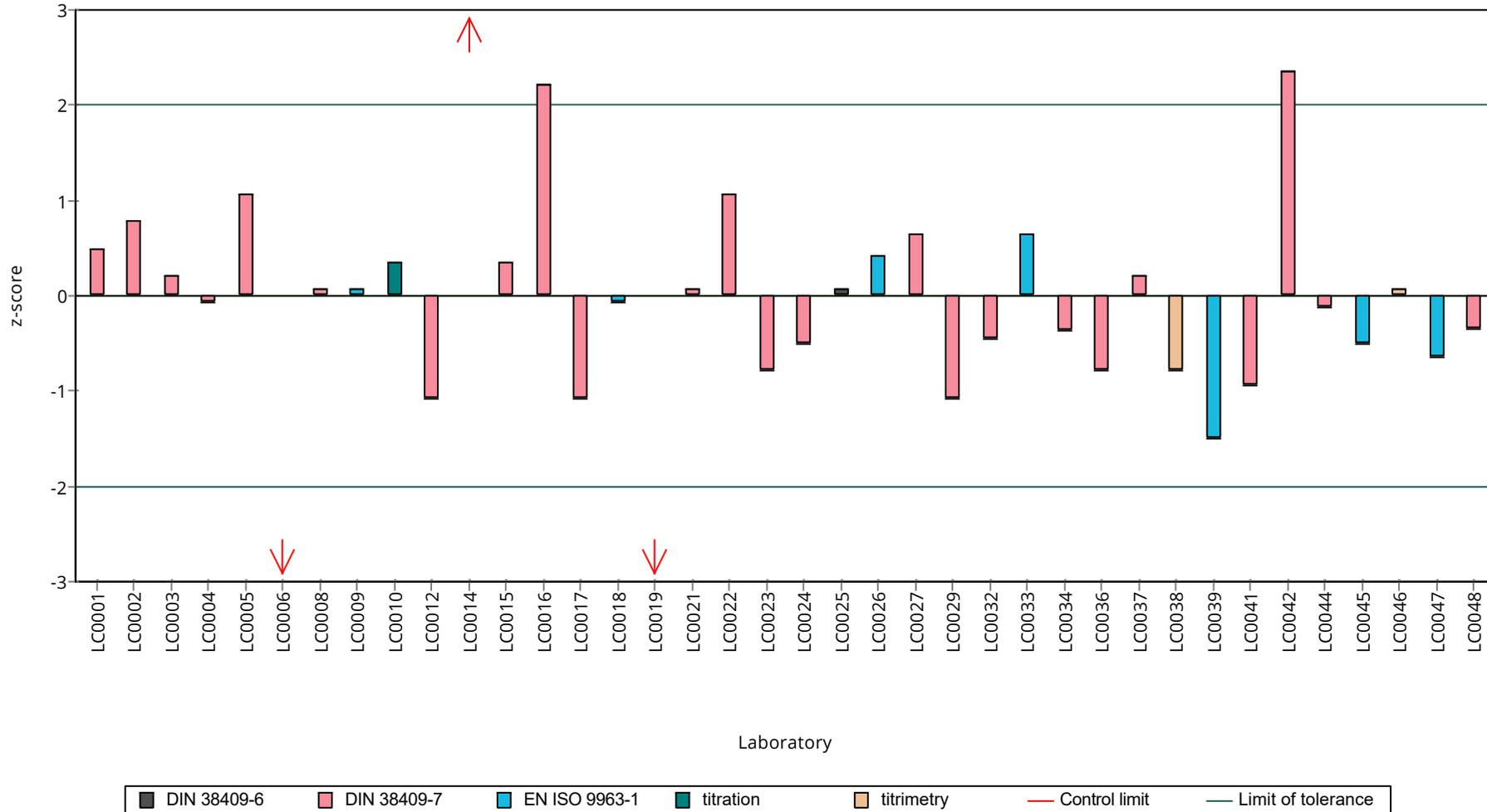
Results



Recovery rate



z-Score



Parameter oriented report

N180 A

Ammonium (as NH₄)

Unit	mg/l
Assigned value ± U (k=2)	0.0867 ± 0.00322
Criterion	0.0104 (12 %)
Minimum - Maximum	0.069 - 0.105
Control test value ± U (k=2)	0.0944 ± 0.0189

Labcode	Result ± U	Recovery [%]	z-Score	Comments
LC0001	0.0836 ± 0.001	96.4	-0.3	
LC0002	0.091 ± 0.0057	105	0.41	
LC0003	0.09646 ± 0.00965	111	0.93	
LC0004	0.0921 ± 0.00064	106	0.51	
LC0005	- ± -	-	-	
LC0006	- ± -	-	-	
LC0007	- ± -	-	-	
LC0008	0.069 ± 0.00414	79.5	-1.7	
LC0009	0.0849 ± 0.011	97.9	-0.18	
LC0010	< 0.02 (LOQ) ± -	-	-	FN
LC0011	0.081 ± 0.001	93.4	-0.55	
LC0012	0.085 ± 0.0085	98	-0.17	
LC0013	0.094 ± 0.014	108	0.7	
LC0014	- ± -	-	-	
LC0015	0.073 ± 0.004	84.2	-1.32	
LC0016	0.0762 ± 0.0098	87.8	-1.01	
LC0017	0.094 ± 0.008	108	0.7	
LC0018	0.086 ± 0.011	99.1	-0.07	
LC0019	0.105 ± 0.018	121	1.75	
LC0020	- ± -	-	-	
LC0021	0.042 ± 0.013	48.4	-4.3	H
LC0022	0.085 ± 0.009	98	-0.17	
LC0023	0.0914 ± 0.009	105	0.45	
LC0024	- ± -	-	-	
LC0025	0.09 ± 0.019	104	0.31	
LC0026	0.078 ± 0.003	89.9	-0.84	
LC0027	0.0713 ± 0.00612	82.2	-1.48	
LC0028	0.082 ± 0.016	94.5	-0.46	
LC0029	0.73 ± 0.0073	842	61.8	H
LC0030	0.092 ± 0.018	106	0.5	
LC0031	0.099 ± 0.005	114	1.18	
LC0032	0.0549 ± 0.0091	63.3	-3.06	H
LC0033	0.0733 ± 0.007	84.5	-1.29	
LC0034	0.094 ± 0.008	108	0.7	
LC0035	0.296 ± 0.0045	341	20.1	H
LC0036	0.0405 ± 0.0032	46.7	-4.44	H
LC0037	0.089 ± 0.00568	103	0.22	
LC0038	0.0867 ± 0.0087	99.9	0.00	
LC0039	< 0.064 (LOQ) ± -	-	-	
LC0040	0.096 ± 0.022	111	0.89	
LC0041	0.09 ± 0.018	104	0.31	

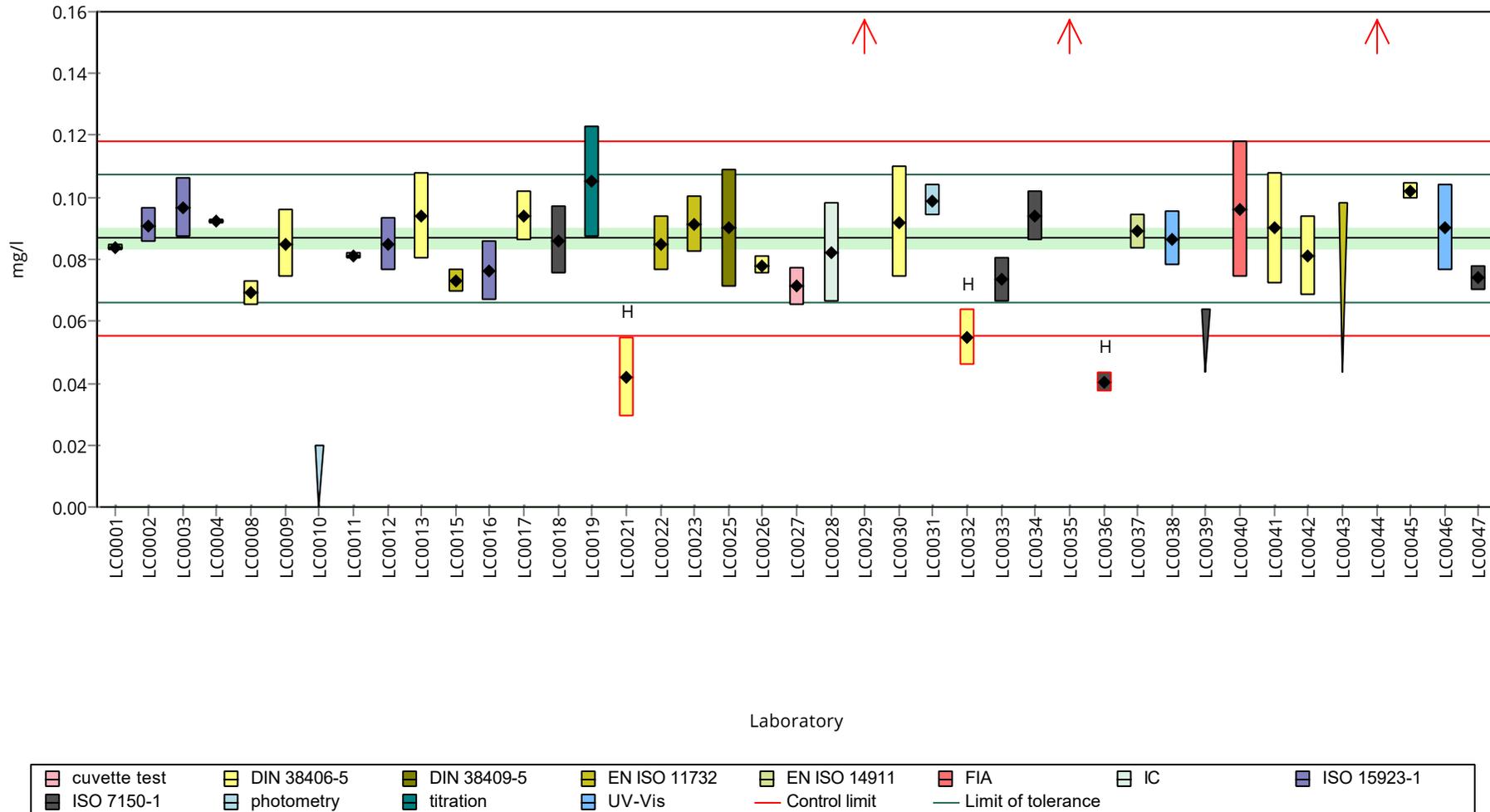
Labcode	Result ± U	Recovery [%]	z-Score	Comments
LC0042	0.081 ± 0.013	93.4	-0.55	
LC0043	< 0.098 (LOQ) ± -	-	-	
LC0044	0.41 ± 0.02	473	31.05	H
LC0045	0.102 ± 0.0027	118	1.47	
LC0046	0.09 ± 0.014	104	0.31	
LC0047	0.0739 ± 0.004	85.2	-1.23	
LC0048	- ± -	-	-	
LC0049	- ± -	-	-	
LC0050	- ± -	-	-	

Characteristics of parameter

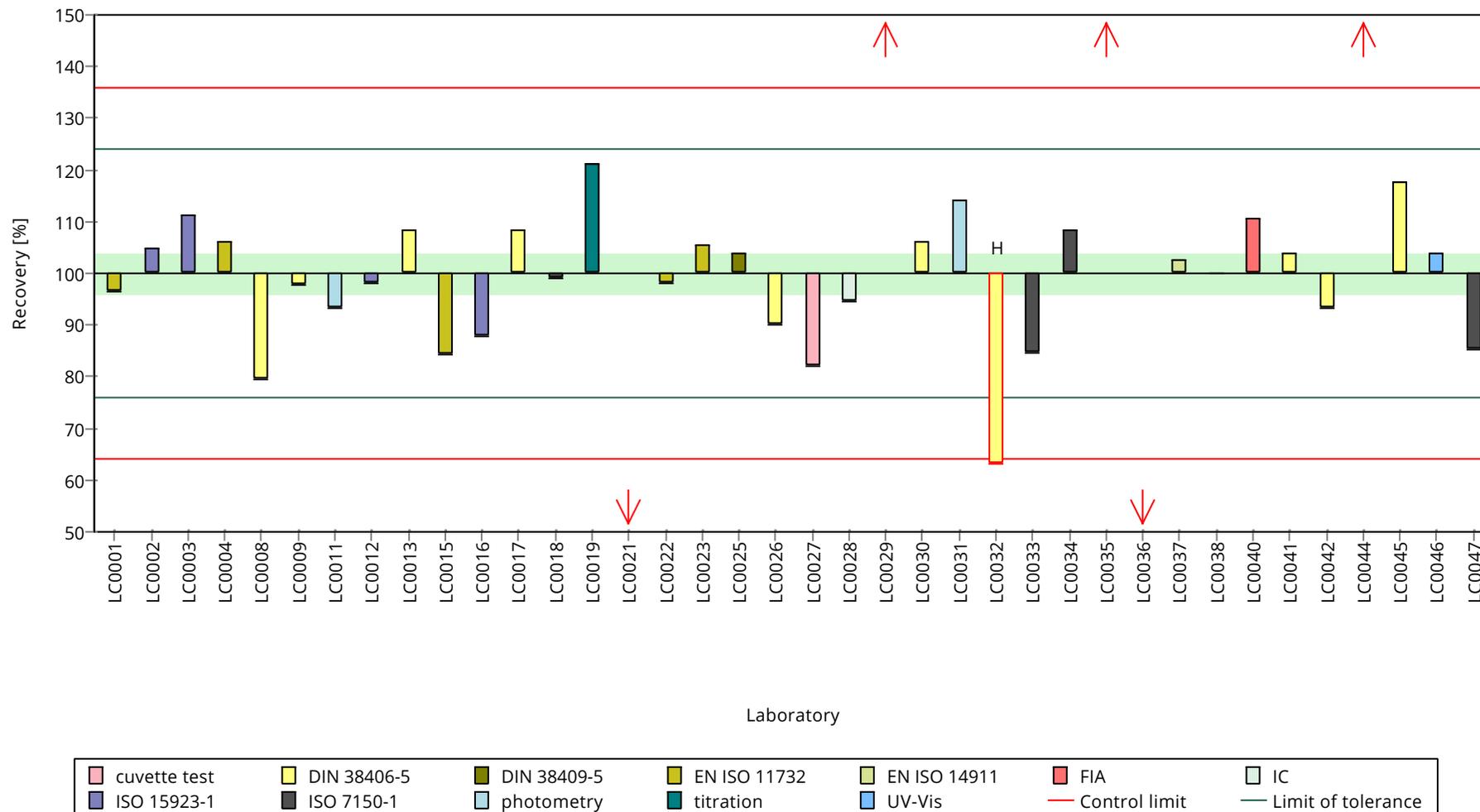
	all results	without outliers	Unit
Mean ± CI (99%)	0.114 ± 0.0588	0.0867 ± 0.00483	mg/l
Minimum	0.0405	0.069	mg/l
Maximum	0.73	0.105	mg/l
Standard deviation	0.121	0.00911	mg/l
rel. standard deviation	106	10.5	%
n	38	32	-

Graphical presentation of results

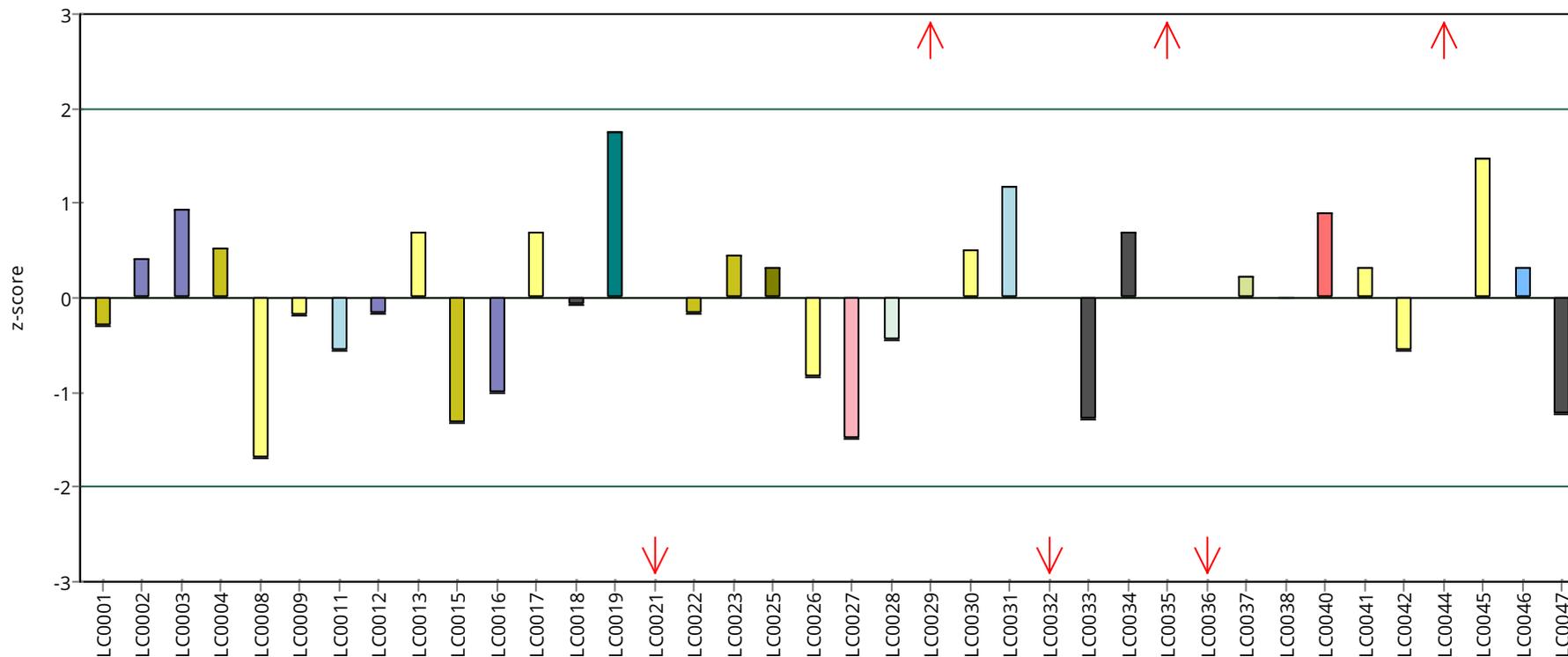
Results



Recovery rate



z-Score



Laboratory



Parameter oriented report

N180 B

Ammonium (as NH₄)

Unit	mg/l
Assigned value ± U (k=2)	0.29 ± 0.0086
Criterion	0.0348 (12 %)
Minimum - Maximum	0.219 - 0.352
Control test value ± U (k=2)	0.298 ± 0.0597

Labcode	Result ± U	Recovery [%]	z-Score	Comments
LC0001	0.289 ± 0.002	99.7	-0.03	
LC0002	0.298 ± 0.019	103	0.23	
LC0003	0.3054 ± 0.0305	105	0.44	
LC0004	0.297 ± 0.004	102	0.2	
LC0005	- ± -	-	-	
LC0006	- ± -	-	-	
LC0007	- ± -	-	-	
LC0008	0.264 ± 0.01584	91	-0.75	
LC0009	0.256 ± 0.0326	88.3	-0.98	
LC0010	0.219 ± 0.033	75.5	-2.04	
LC0011	0.287 ± 0.001	99	-0.09	
LC0012	0.31 ± 0.031	107	0.58	
LC0013	0.306 ± 0.046	106	0.46	
LC0014	0.417 ± 0.088	144	3.65	H
LC0015	0.274 ± 0.016	94.5	-0.46	
LC0016	0.254 ± 0.033	87.6	-1.03	
LC0017	0.307 ± 0.025	106	0.49	
LC0018	0.288 ± 0.04	99.3	-0.06	
LC0019	0.31 ± 0.039	107	0.58	
LC0020	- ± -	-	-	
LC0021	0.442 ± 0.133	152	4.37	H
LC0022	0.288 ± 0.029	99.3	-0.06	
LC0023	0.3 ± 0.03	103	0.29	
LC0024	- ± -	-	-	
LC0025	0.352 ± 0.074	121	1.78	
LC0026	0.2803 ± 0.003	96.7	-0.28	
LC0027	0.273 ± 0.0235	94.2	-0.49	
LC0028	0.407 ± 0.08	140	3.36	H
LC0029	0.261 ± 0.0261	90	-0.83	
LC0030	0.31 ± 0.059	107	0.58	
LC0031	0.45 ± 0.023	155	4.6	H
LC0032	0.284 ± 0.046	97.9	-0.17	
LC0033	0.273 ± 0.03	94.2	-0.49	
LC0034	0.28 ± 0.022	96.6	-0.29	
LC0035	0.196 ± 0.013	67.6	-2.7	H
LC0036	0.28 ± 0.022	96.6	-0.29	
LC0037	0.305 ± 0.0195	105	0.43	
LC0038	0.282 ± 0.028	97.3	-0.23	
LC0039	0.259 ± 0.018	89.3	-0.89	
LC0040	0.304 ± 0.07	105	0.4	
LC0041	0.29 ± 0.044	100	0.00	

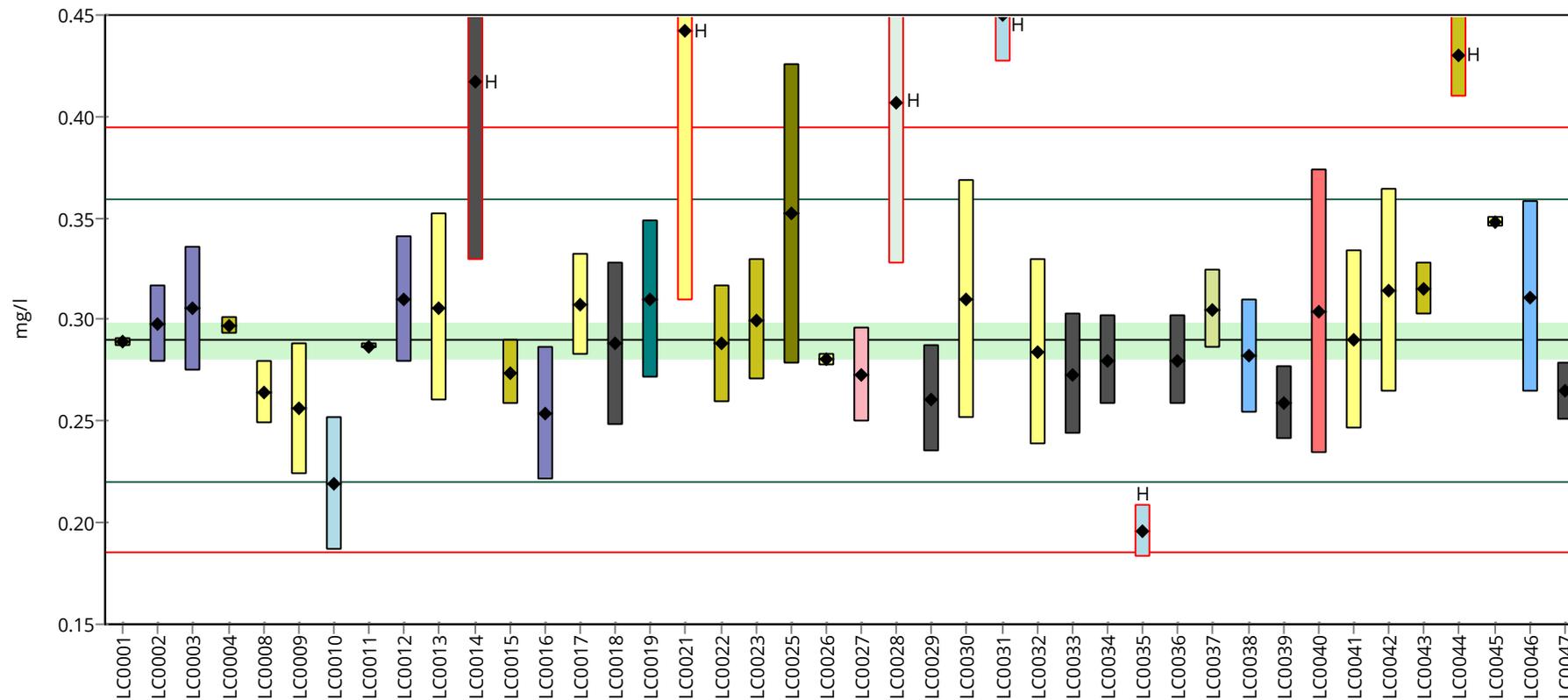
Labcode	Result ± U	Recovery [%]	z-Score	Comments
LC0042	0.314 ± 0.05	108	0.69	
LC0043	0.315 ± 0.0132	109	0.72	
LC0044	0.43 ± 0.021	148	4.02	H
LC0045	0.348 ± 0.0027	120	1.67	
LC0046	0.311 ± 0.047	107	0.6	
LC0047	0.2649 ± 0.0143	91.4	-0.72	
LC0048	- ± -	-	-	
LC0049	- ± -	-	-	
LC0050	- ± -	-	-	

Characteristics of parameter

	all results	without outliers	Unit
Mean ± CI (99%)	0.304 ± 0.0252	0.29 ± 0.0129	mg/l
Minimum	0.196	0.219	mg/l
Maximum	0.45	0.352	mg/l
Standard deviation	0.0545	0.0258	mg/l
rel. standard deviation	17.9	8.9	%
n	42	36	-

Graphical presentation of results

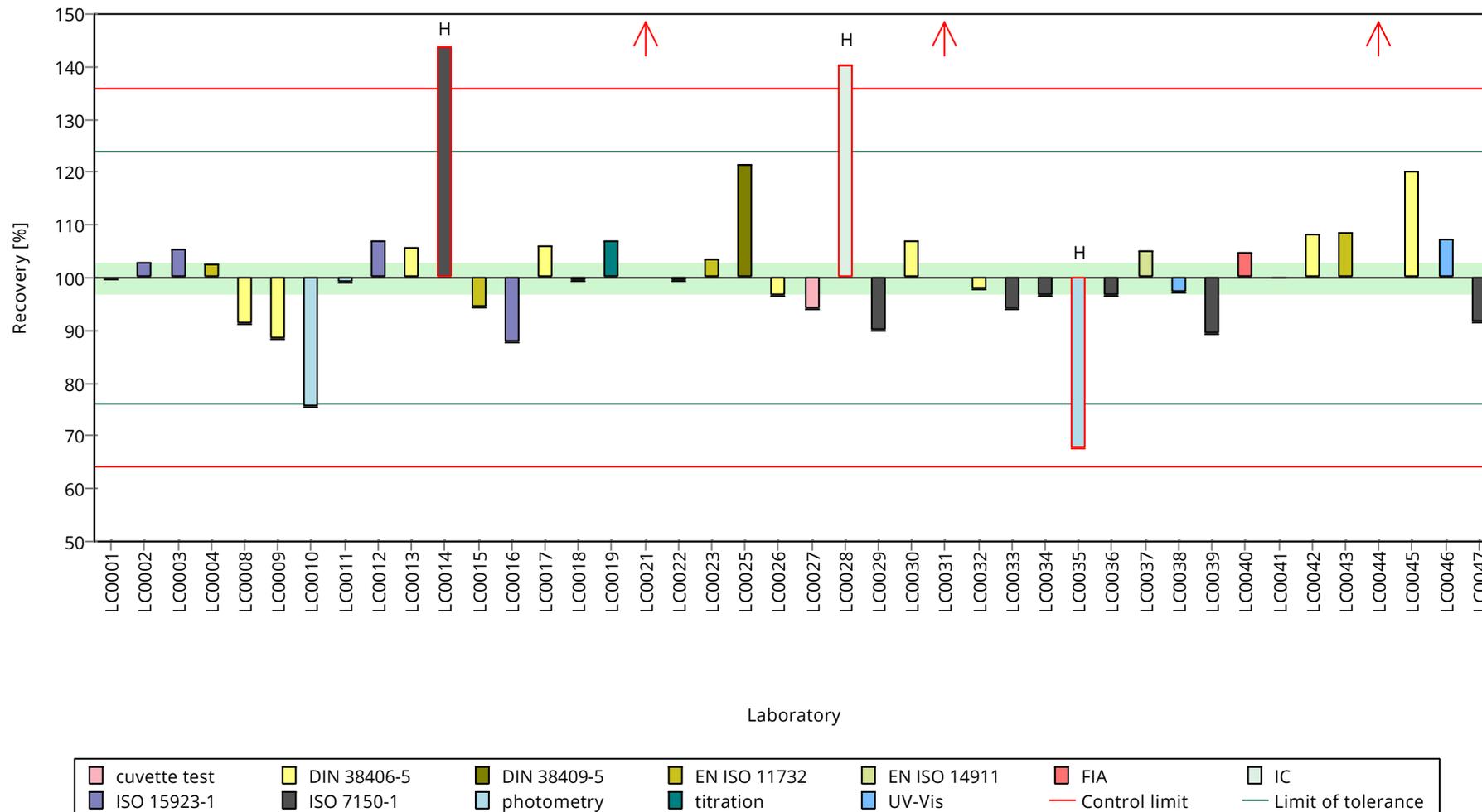
Results



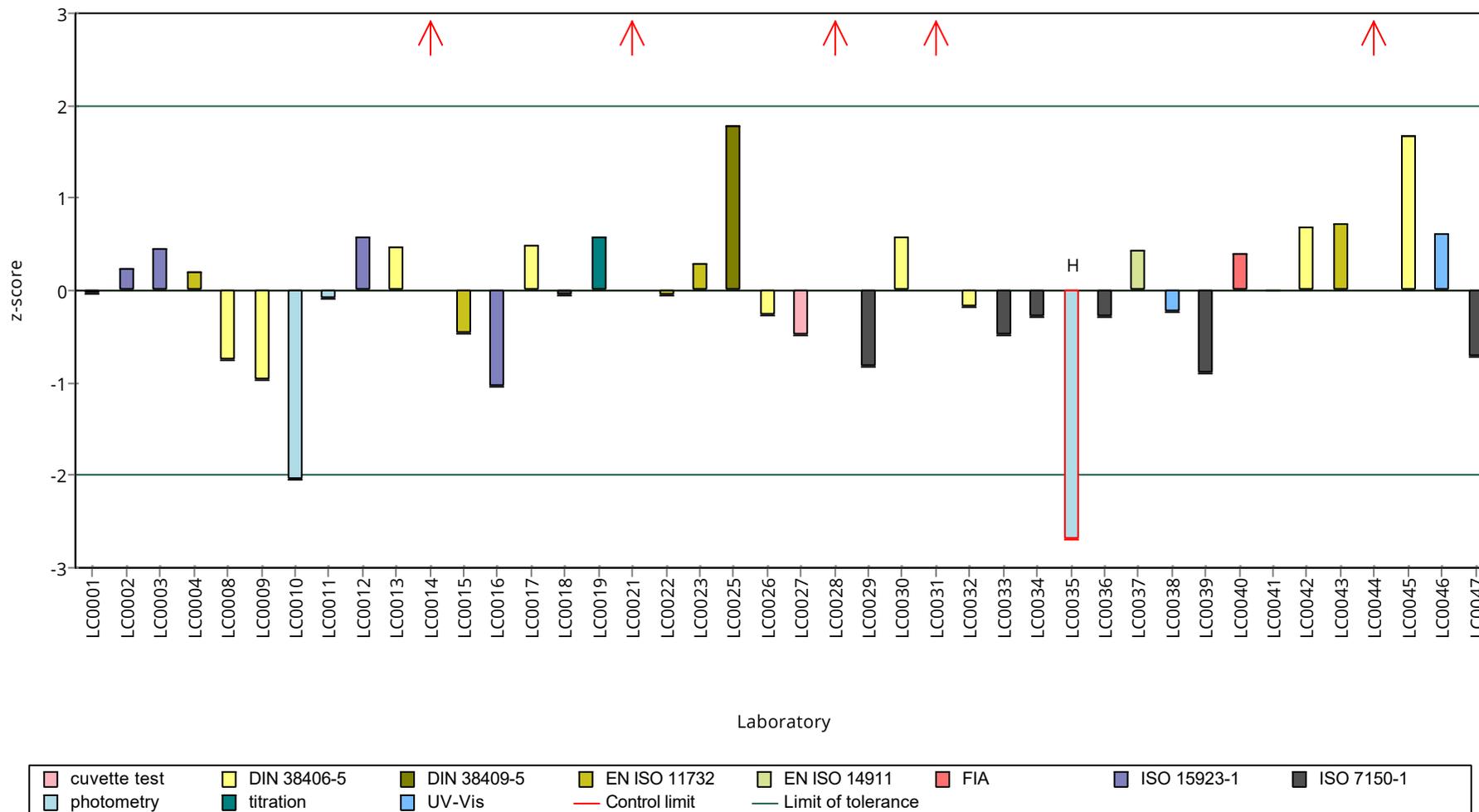
Laboratory



Recovery rate



z-Score



Parameter oriented report

N180 A

Boron

Unit	mg/l
Assigned value \pm U (k=2)	0.0592 \pm 0.00162
Criterion	0.00652 (11 %)
Minimum - Maximum	0.054 - 0.0676
Control test value \pm U (k=2)	0.0479 \pm 0.00958

Labcode	Result \pm U	Recovery [%]	z-Score	Comments
LC0001	0.0584 \pm 0.001	98.6	-0.13	
LC0002	0.0557 \pm 0.00502	94	-0.54	
LC0003	- \pm -	-	-	
LC0004	0.0587 \pm 0.00043	99.1	-0.08	
LC0005	- \pm -	-	-	
LC0006	- \pm -	-	-	
LC0007	- \pm -	-	-	
LC0008	- \pm -	-	-	
LC0009	0.0604 \pm 0.009	102	0.18	
LC0010	- \pm -	-	-	
LC0011	- \pm -	-	-	
LC0012	0.055 \pm 0.00275	92.9	-0.65	
LC0013	0.0602 \pm 0.009	102	0.15	
LC0014	- \pm -	-	-	
LC0015	0.062 \pm 0.005	105	0.43	
LC0016	- \pm -	-	-	
LC0017	- \pm -	-	-	
LC0018	- \pm -	-	-	
LC0019	0.0676 \pm 0.014	114	1.28	
LC0020	- \pm -	-	-	
LC0021	- \pm -	-	-	
LC0022	0.061 \pm 0.011	103	0.27	
LC0023	0.0579 \pm 0.0058	97.8	-0.2	
LC0024	- \pm -	-	-	
LC0025	0.057 \pm 0.006	96.2	-0.34	
LC0026	- \pm -	-	-	
LC0027	0.0636 \pm 0.00871	107	0.67	
LC0028	- \pm -	-	-	
LC0029	0.06 \pm 0.009	101	0.12	
LC0030	< 0.1 (LOQ) \pm -	-	-	
LC0031	- \pm -	-	-	
LC0032	- \pm -	-	-	
LC0033	- \pm -	-	-	
LC0034	0.0556 \pm 0.0023	93.9	-0.56	
LC0035	0.042 \pm 0.0101	70.9	-2.64	H
LC0036	0.0576 \pm 0.0086	97.2	-0.25	
LC0037	- \pm -	-	-	
LC0038	- \pm -	-	-	
LC0039	- \pm -	-	-	
LC0040	- \pm -	-	-	
LC0041	0.054 \pm 0.011	91.2	-0.8	

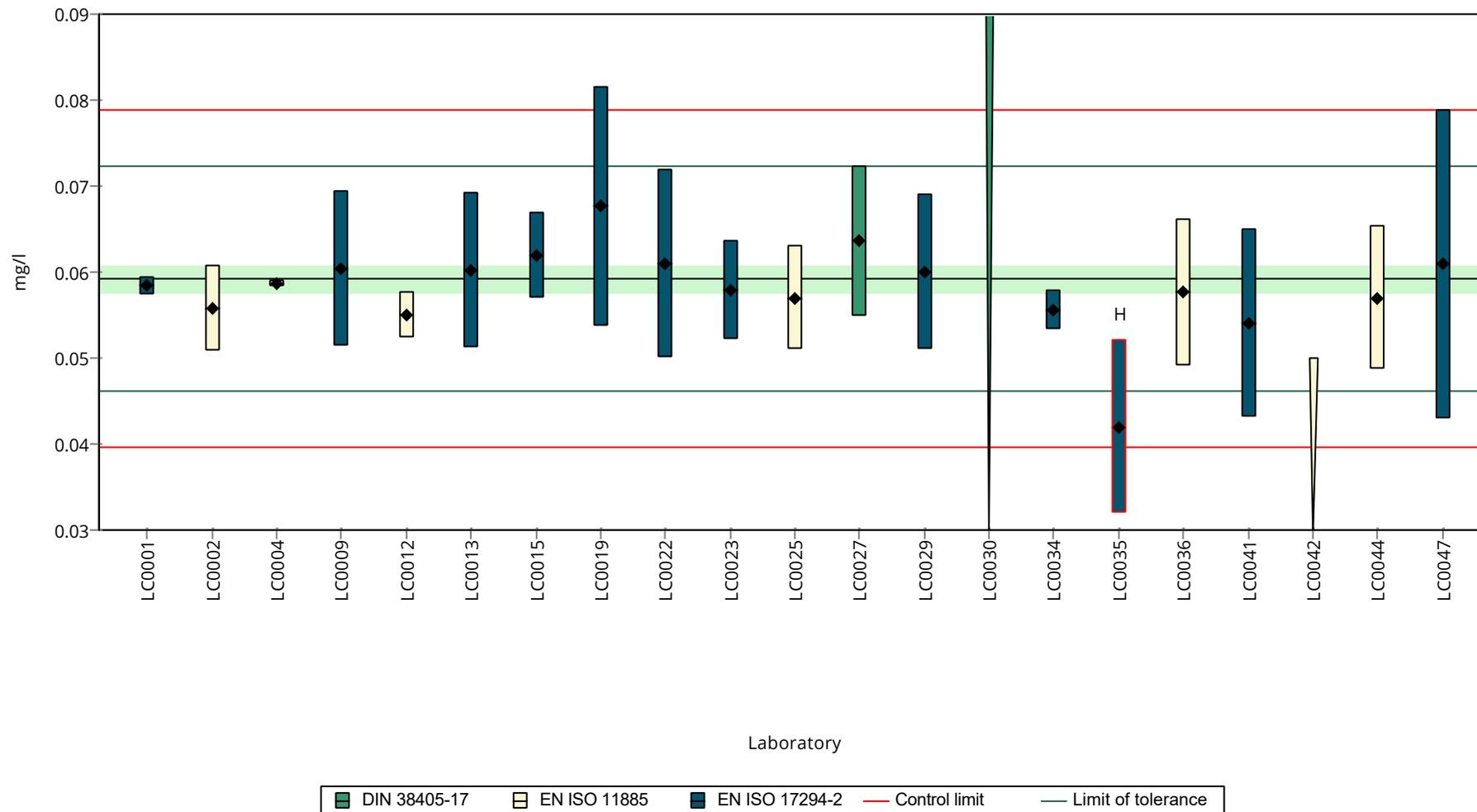
Labcode	Result ± U	Recovery [%]	z-Score	Comments
LC0042	< 0.05 (LOQ) ± -	-	-	
LC0043	- ± -	-	-	
LC0044	0.057 ± 0.0083	96.2	-0.34	
LC0045	- ± -	-	-	
LC0046	- ± -	-	-	
LC0047	0.0609 ± 0.018	103	0.26	
LC0048	- ± -	-	-	
LC0049	- ± -	-	-	
LC0050	- ± -	-	-	

Characteristics of parameter

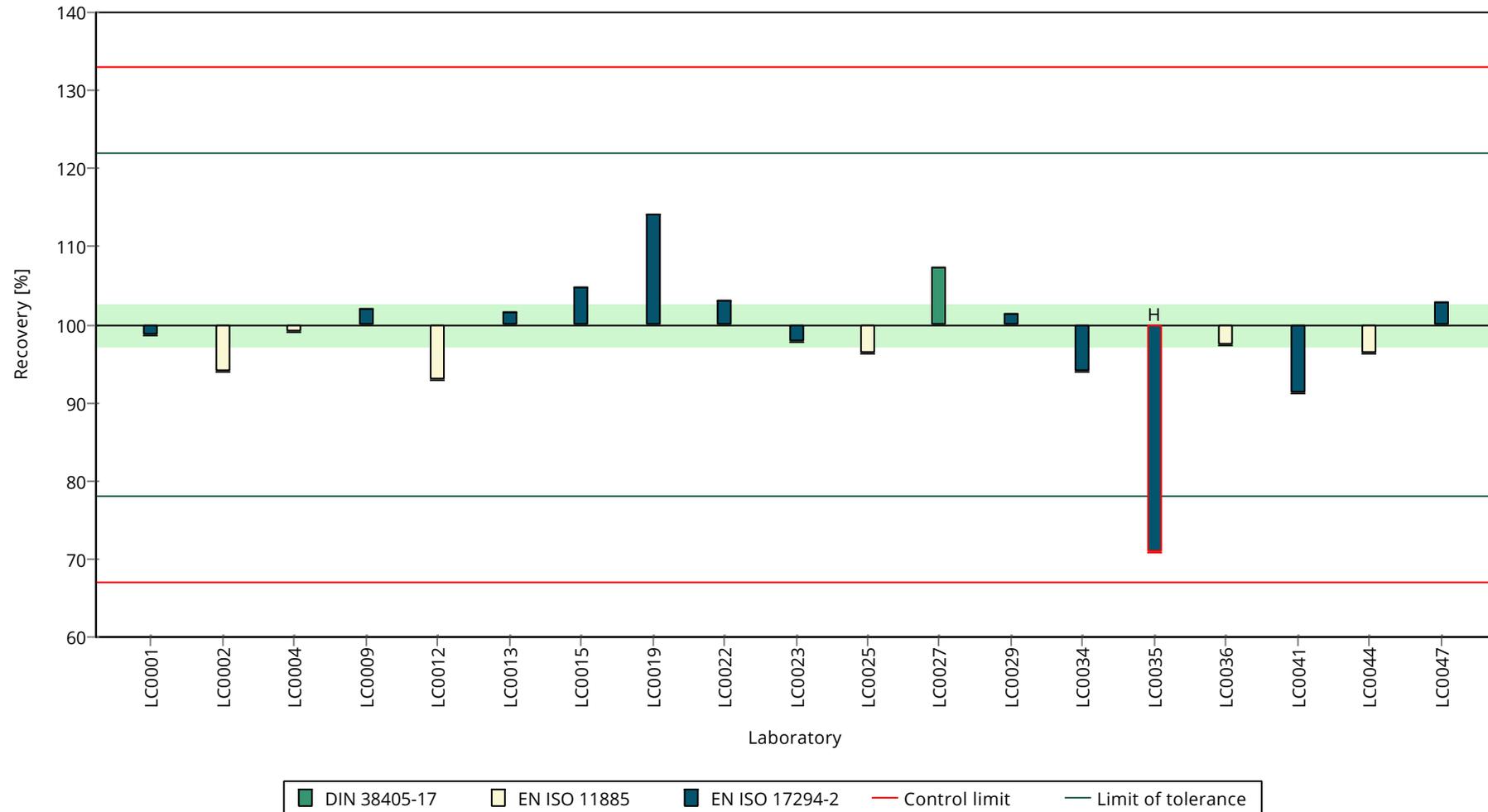
	all results	without outliers	Unit
Mean ± CI (99%)	0.0581 ± 0.0035	0.059 ± 0.00237	mg/l
Minimum	0.042	0.054	mg/l
Maximum	0.0676	0.0676	mg/l
Standard deviation	0.00509	0.00335	mg/l
rel. standard deviation	8.75	5.68	%
n	19	18	-

Graphical presentation of results

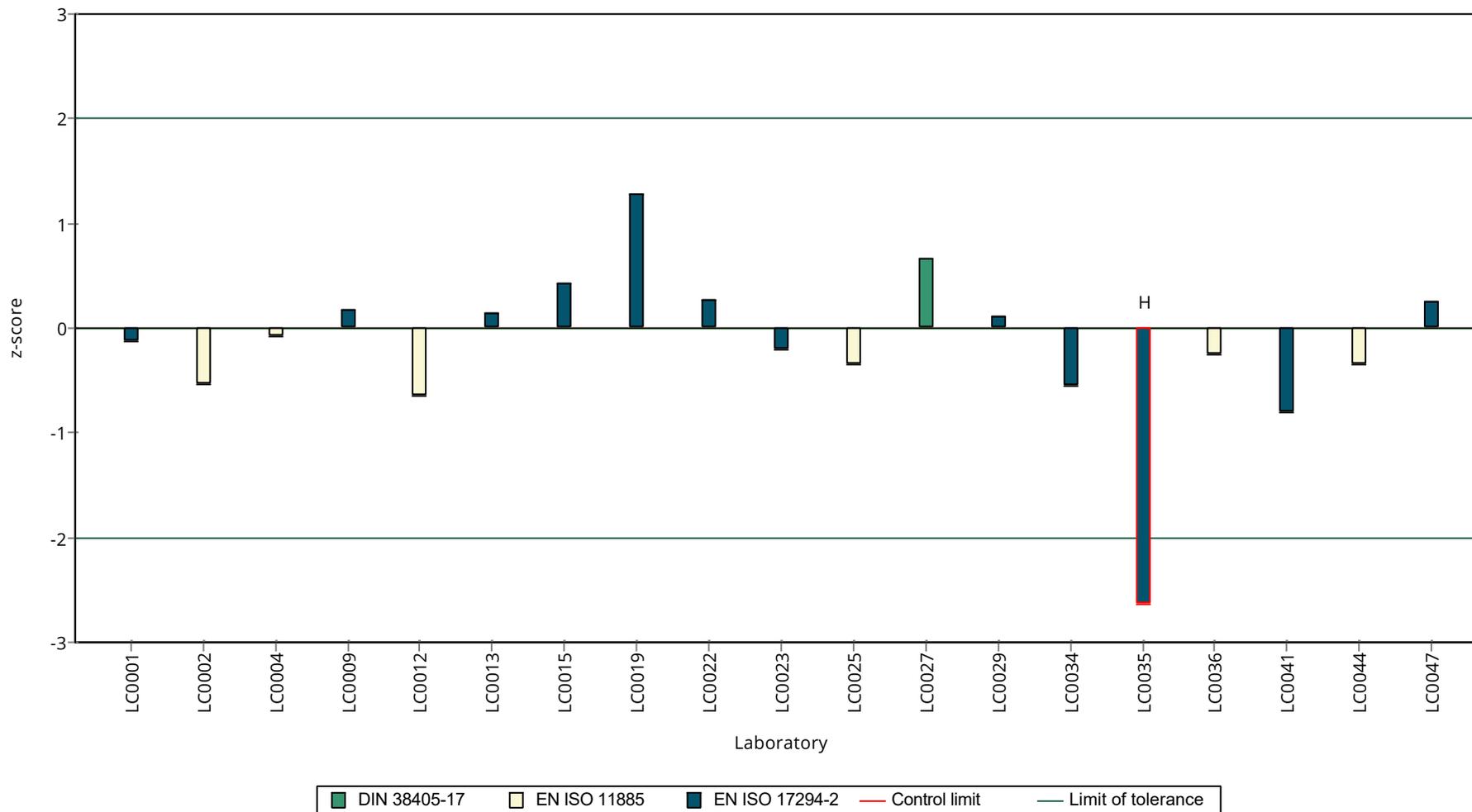
Results



Recovery rate



z-Score



Parameter oriented report

N180 B

Boron

Unit mg/l
Assigned value ± U (k=2) 0.0162 ± 0.000839
Criterion 0.00179 (11 %)
Minimum - Maximum 0.0143 - 0.0205
Control test value ± U (k=2) -

Labcode	Result ± U	Recovery [%]	z-Score	Comments
LC0001	0.016 ± 0.001	98.6	-0.13	
LC0002	0.0205 ± 0.00185	126	2.39	
LC0003	- ± -	-	-	
LC0004	< 0.02 (LOQ) ± -	-	-	
LC0005	- ± -	-	-	
LC0006	- ± -	-	-	
LC0007	- ± -	-	-	
LC0008	- ± -	-	-	
LC0009	0.0157 ± 0.003	96.7	-0.3	
LC0010	- ± -	-	-	
LC0011	- ± -	-	-	
LC0012	0.015 ± 0.00075	92.4	-0.69	
LC0013	0.0155 ± 0.0024	95.5	-0.41	
LC0014	- ± -	-	-	
LC0015	0.017 ± 0.001	105	0.43	
LC0016	- ± -	-	-	
LC0017	- ± -	-	-	
LC0018	- ± -	-	-	
LC0019	0.0202 ± 0.004	124	2.22	
LC0020	- ± -	-	-	
LC0021	- ± -	-	-	
LC0022	< 0.02 (LOQ) ± -	-	-	
LC0023	0.0167 ± 0.0017	103	0.26	
LC0024	- ± -	-	-	
LC0025	0.016 ± 0.002	98.6	-0.13	
LC0026	- ± -	-	-	
LC0027	0.0174 ± 0.00238	107	0.65	
LC0028	- ± -	-	-	
LC0029	0.017 ± 0.0026	105	0.43	
LC0030	< 0.1 (LOQ) ± -	-	-	
LC0031	- ± -	-	-	
LC0032	- ± -	-	-	
LC0033	- ± -	-	-	
LC0034	0.0148 ± 0.0019	91.2	-0.8	
LC0035	0.00261 ± 0.0002	16.1	-7.63	H
LC0036	0.0154 ± 0.0023	94.9	-0.47	
LC0037	- ± -	-	-	
LC0038	- ± -	-	-	
LC0039	- ± -	-	-	
LC0040	- ± -	-	-	
LC0041	0.0092 ± 0.0018	56.7	-3.94	H

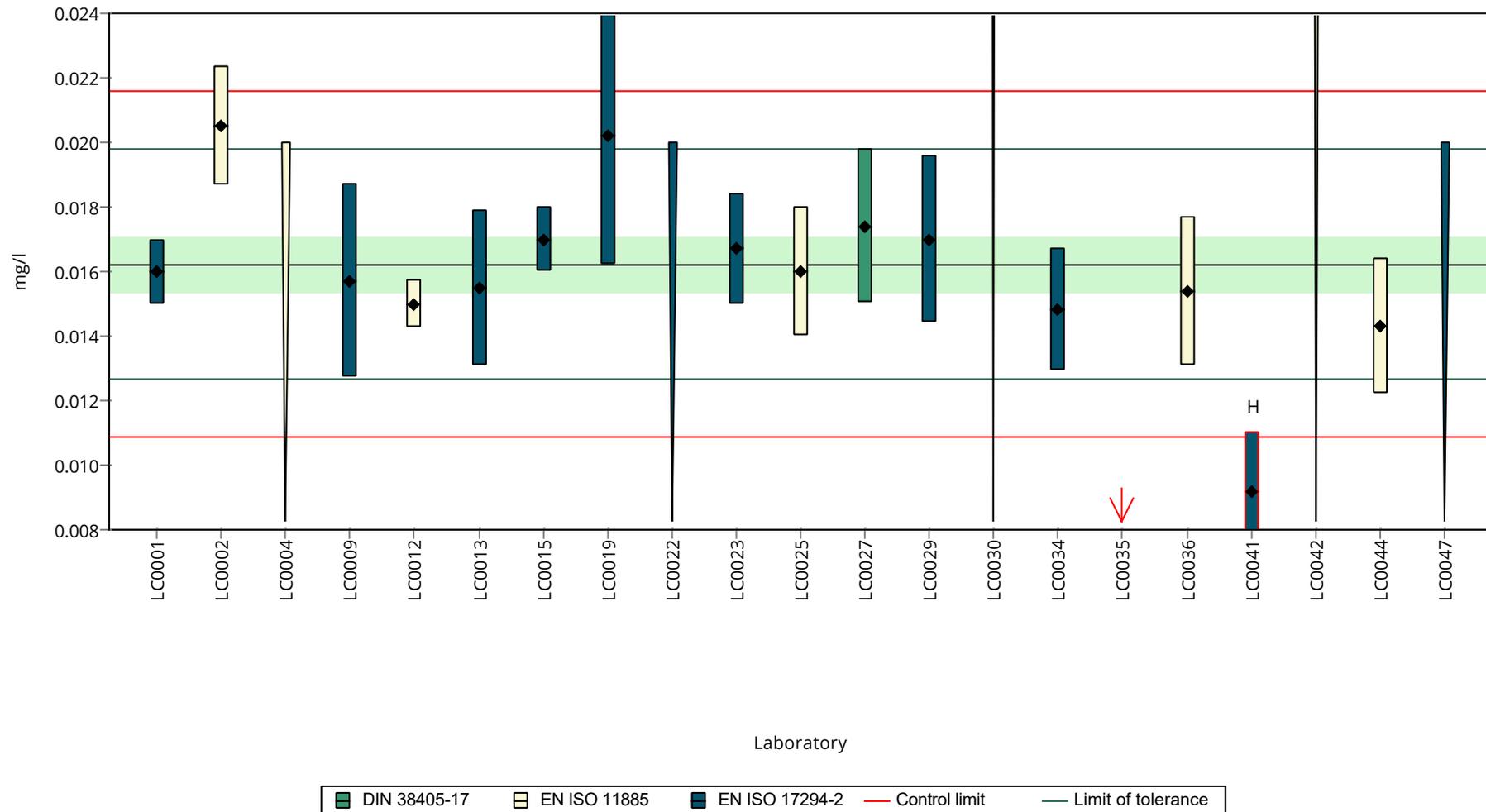
Labcode	Result ± U	Recovery [%]	z-Score	Comments
LC0042	< 0.05 (LOQ) ± -	-	-	
LC0043	- ± -	-	-	
LC0044	0.0143 ± 0.0021	88.1	-1.08	
LC0045	- ± -	-	-	
LC0046	- ± -	-	-	
LC0047	< 0.02 (LOQ) ± -	-	-	
LC0048	- ± -	-	-	
LC0049	- ± -	-	-	
LC0050	- ± -	-	-	

Characteristics of parameter

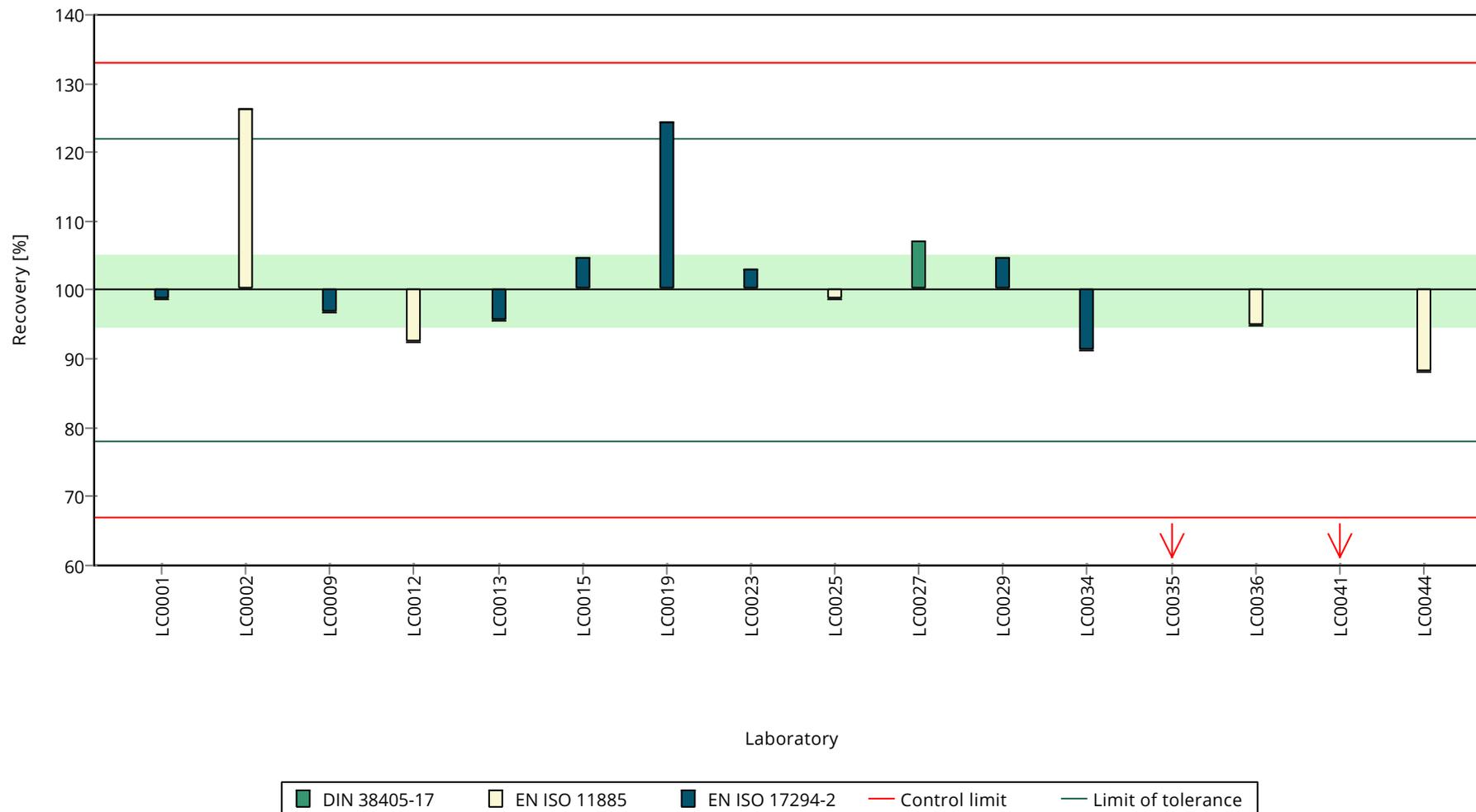
	all results	without outliers	Unit
Mean ± CI (99%)	0.0152 ± 0.00315	0.0165 ± 0.00148	mg/l
Minimum	0.00261	0.0143	mg/l
Maximum	0.0205	0.0205	mg/l
Standard deviation	0.00419	0.00185	mg/l
rel. standard deviation	27.6	11.2	%
n	16	14	-

Graphical presentation of results

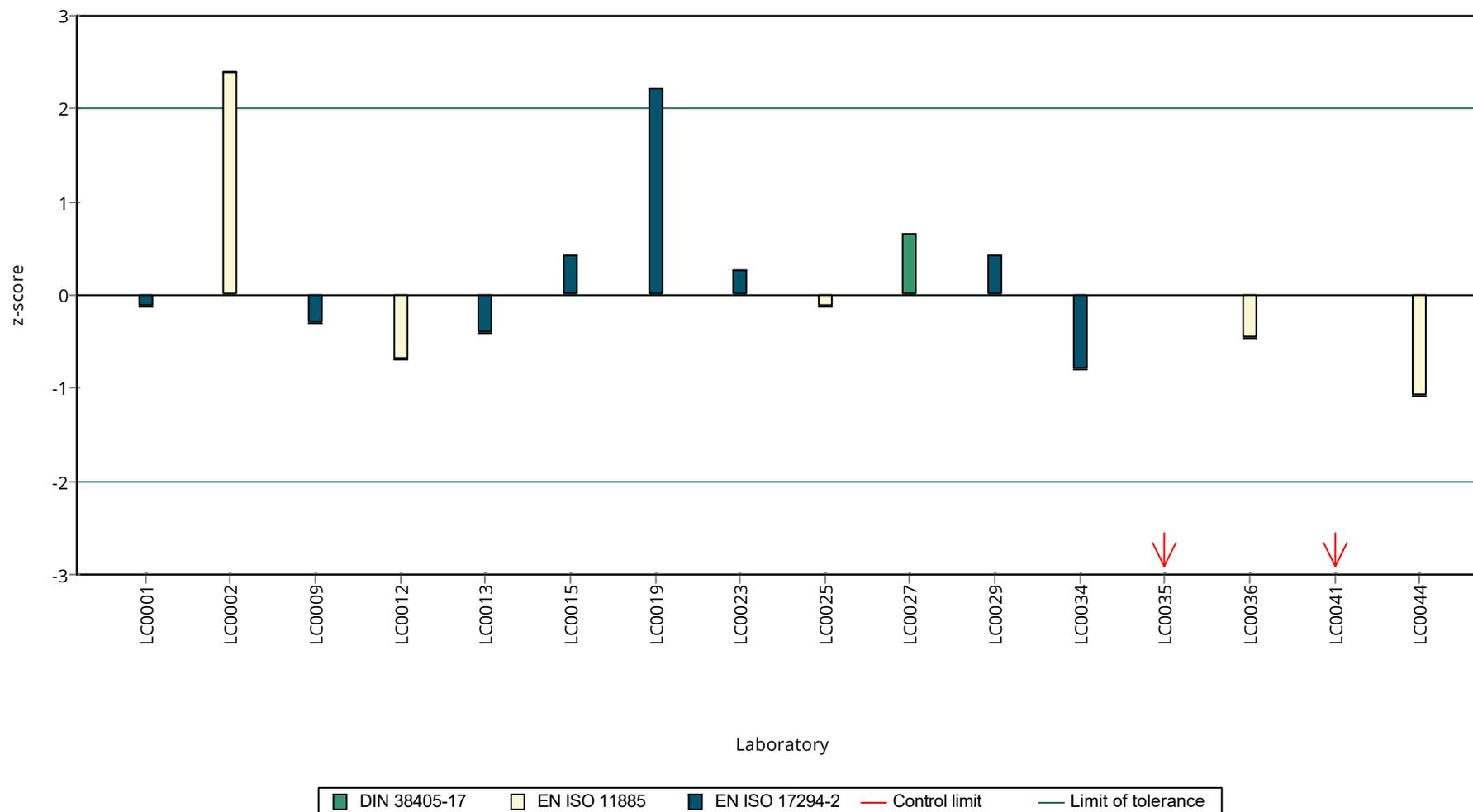
Results



Recovery rate



z-Score



Parameter oriented report

N180 A

Calcium

Unit mg/l
Assigned value ± U (k=2) 168 ± 1.9
Criterion 5.2 (3.1 %)
Minimum - Maximum 158 - 178
Control test value ± U (k=2) 166 ± 24.8

Labcode	Result ± U	Recovery [%]	z-Score	Comments
LC0001	164 ± 0.577	97.7	-0.73	
LC0002	175 ± 16	104	1.38	
LC0003	- ± -	-	-	
LC0004	169 ± 0.985	101	0.23	
LC0005	- ± -	-	-	
LC0006	164.2 ± 7.4	97.9	-0.69	
LC0007	- ± -	-	-	
LC0008	166.14 ± 2.65824	99	-0.32	
LC0009	178 ± 26.7	106	1.96	
LC0010	158 ± 12	94.2	-1.89	
LC0011	164.541 ± 0.398	98.1	-0.63	
LC0012	167 ± 8.35	99.5	-0.16	
LC0013	163 ± 16.3	97.1	-0.92	
LC0014	- ± -	-	-	
LC0015	166 ± 6.3	98.9	-0.35	
LC0016	- ± -	-	-	
LC0017	- ± -	-	-	
LC0018	171 ± 14	102	0.61	
LC0019	167.6 ± 12.57	99.9	-0.04	
LC0020	- ± -	-	-	
LC0021	- ± -	-	-	
LC0022	164.57 ± 9.05	98.1	-0.62	
LC0023	168 ± 8	100	0.04	
LC0024	- ± -	-	-	
LC0025	164 ± 10	97.7	-0.73	
LC0026	165.1 ± 1	98.4	-0.52	
LC0027	162.3 ± 8.12	96.7	-1.06	
LC0028	173 ± 17.3	103	1	
LC0029	172.23 ± 17.22	103	0.85	
LC0030	- ± -	-	-	
LC0031	171.25 ± 10.99	102	0.66	
LC0032	164.8 ± 17.3	98.2	-0.58	
LC0033	171 ± 7.9	102	0.61	
LC0034	175 ± 3.5	104	1.38	
LC0035	157.85 ± 0.735	94.1	-1.91	
LC0036	158 ± 24	94.2	-1.89	
LC0037	174.7 ± 13.4	104	1.32	
LC0038	175.4 ± 8.8	105	1.46	
LC0039	112.8 ± 7.89	67.2	-10.57	H
LC0040	- ± -	-	-	
LC0041	165 ± 33	98.3	-0.54	

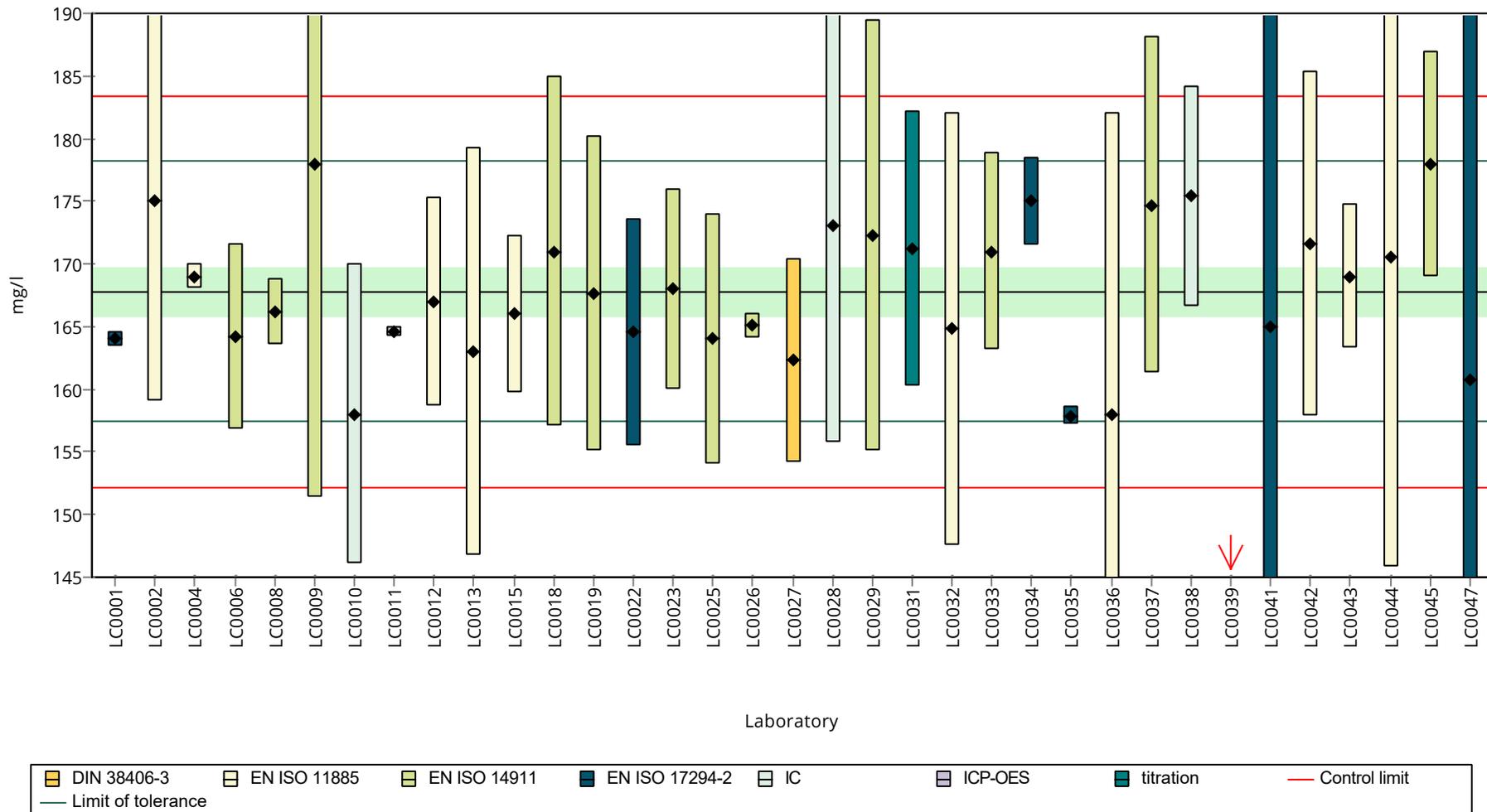
Labcode	Result \pm U	Recovery [%]	z-Score	Comments
LC0042	171.6 \pm 13.72	102	0.73	
LC0043	169 \pm 5.75	101	0.23	
LC0044	170.5 \pm 24.7	102	0.52	
LC0045	177.98 \pm 9	106	1.96	
LC0046	- \pm -	-	-	
LC0047	160.7 \pm 32.2	95.8	-1.37	
LC0048	- \pm -	-	-	
LC0049	- \pm -	-	-	
LC0050	- \pm -	-	-	

Characteristics of parameter

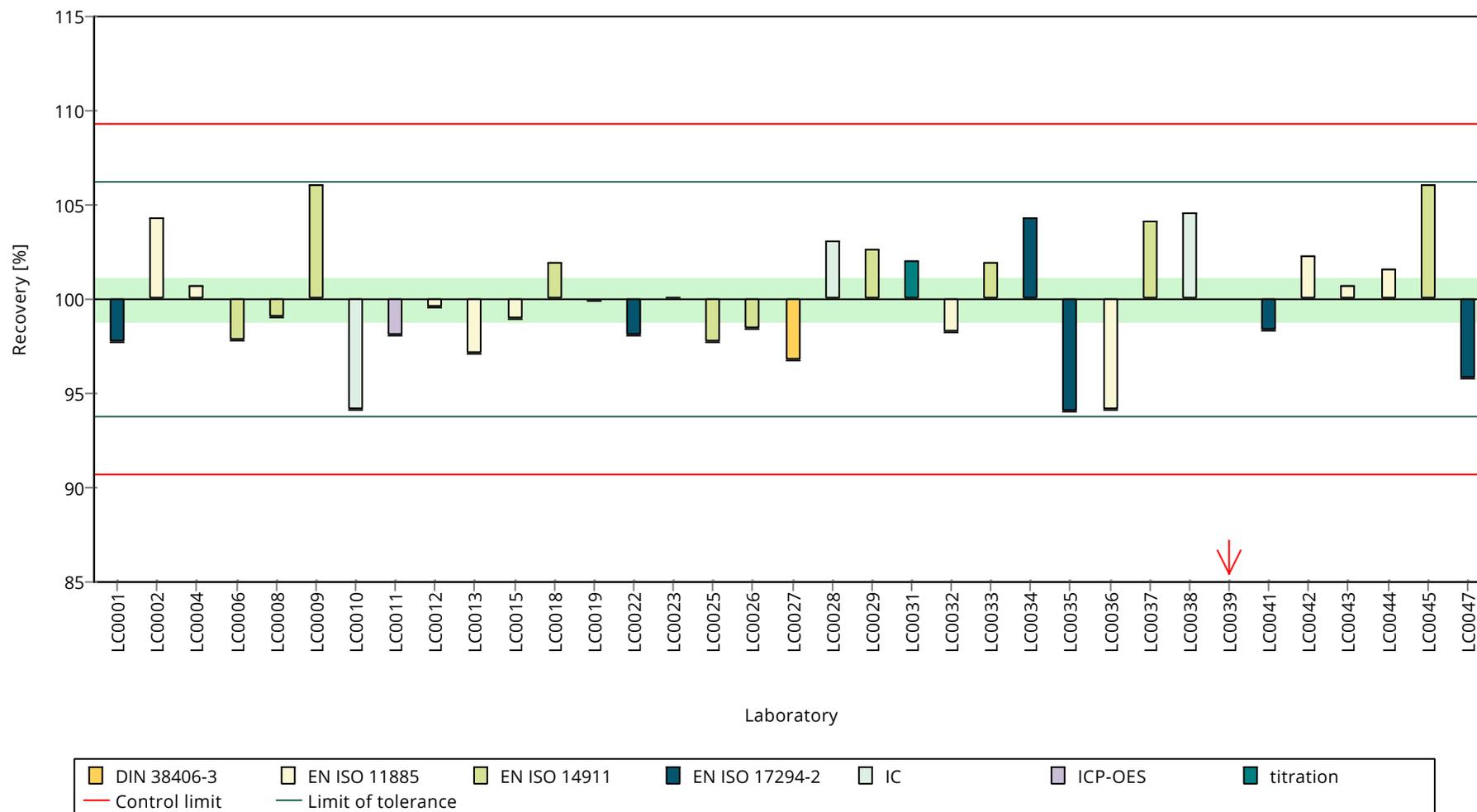
	all results	without outliers	Unit
Mean \pm CI (99%)	166 \pm 5.46	168 \pm 2.84	mg/l
Minimum	113	158	mg/l
Maximum	178	178	mg/l
Standard deviation	10.8	5.53	mg/l
rel. standard deviation	6.48	3.29	%
n	35	34	-

Graphical presentation of results

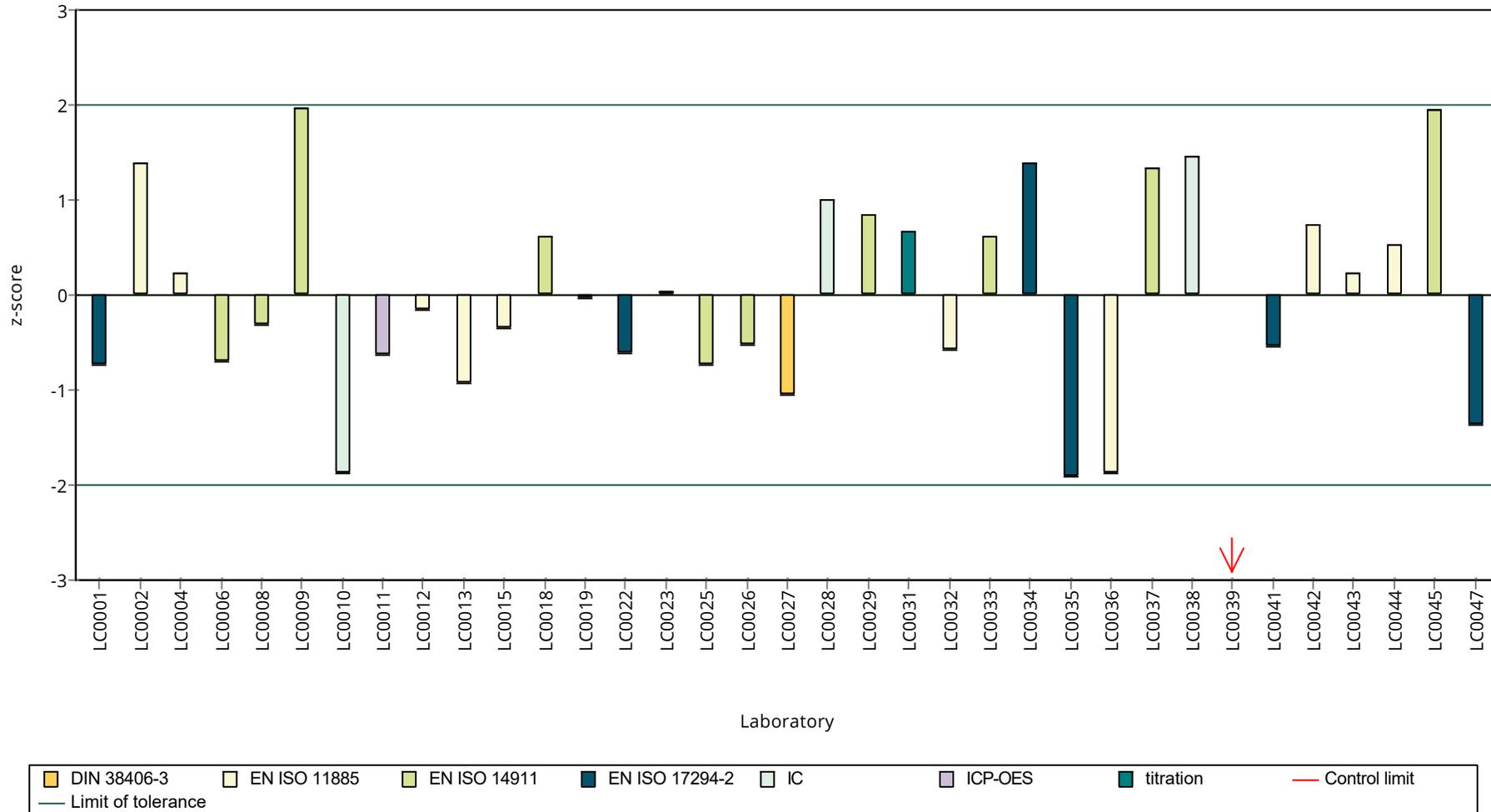
Results



Recovery rate



z-Score



Parameter oriented report

N180 B

Calcium

Unit	mg/l
Assigned value ± U (k=2)	65.6 ± 0.729
Criterion	2.03 (3.1 %)
Minimum - Maximum	62.9 - 69.8
Control test value ± U (k=2)	53.6 ± 8.04

Labcode	Result ± U	Recovery [%]	z-Score	Comments
LC0001	63.9 ± 1.127	97.4	-0.85	
LC0002	69.8 ± 6.38	106	2.05	
LC0003	- ± -	-	-	
LC0004	67 ± 0.206	102	0.67	
LC0005	- ± -	-	-	
LC0006	63.5 ± 2.9	96.7	-1.05	
LC0007	- ± -	-	-	
LC0008	65.37 ± 1.04592	99.6	-0.13	
LC0009	69.8 ± 10.47	106	2.05	
LC0010	65 ± 5	99	-0.31	
LC0011	64.103 ± 0.151	97.7	-0.75	
LC0012	64.8 ± 3.24	98.7	-0.41	
LC0013	65 ± 6.5	99	-0.31	
LC0014	- ± -	-	-	
LC0015	62.9 ± 2.4	95.8	-1.35	
LC0016	- ± -	-	-	
LC0017	- ± -	-	-	
LC0018	65.8 ± 6	100	0.08	
LC0019	65.37 ± 4.903	99.6	-0.13	
LC0020	- ± -	-	-	
LC0021	- ± -	-	-	
LC0022	63.78 ± 3.51	97.2	-0.91	
LC0023	65.5 ± 3.1	99.8	-0.07	
LC0024	- ± -	-	-	
LC0025	64 ± 3.8	97.5	-0.81	
LC0026	64.06 ± 1	97.6	-0.78	
LC0027	65.13 ± 3.26	99.2	-0.25	
LC0028	66.7 ± 6.7	102	0.52	
LC0029	66.38 ± 6.638	101	0.36	
LC0030	- ± -	-	-	
LC0031	64.83 ± 4.28	98.8	-0.4	
LC0032	64.2 ± 6.84	97.8	-0.71	
LC0033	66.3 ± 3.05	101	0.33	
LC0034	66.6 ± 1.3	101	0.47	
LC0035	66.45 ± 0.291	101	0.4	
LC0036	62.9 ± 9.4	95.8	-1.35	
LC0037	68.73 ± 5.28	105	1.52	
LC0038	69.7 ± 3.5	106	2	
LC0039	41.34 ± 2.89	63	-11.94	H
LC0040	- ± -	-	-	
LC0041	67.5 ± 14	103	0.91	

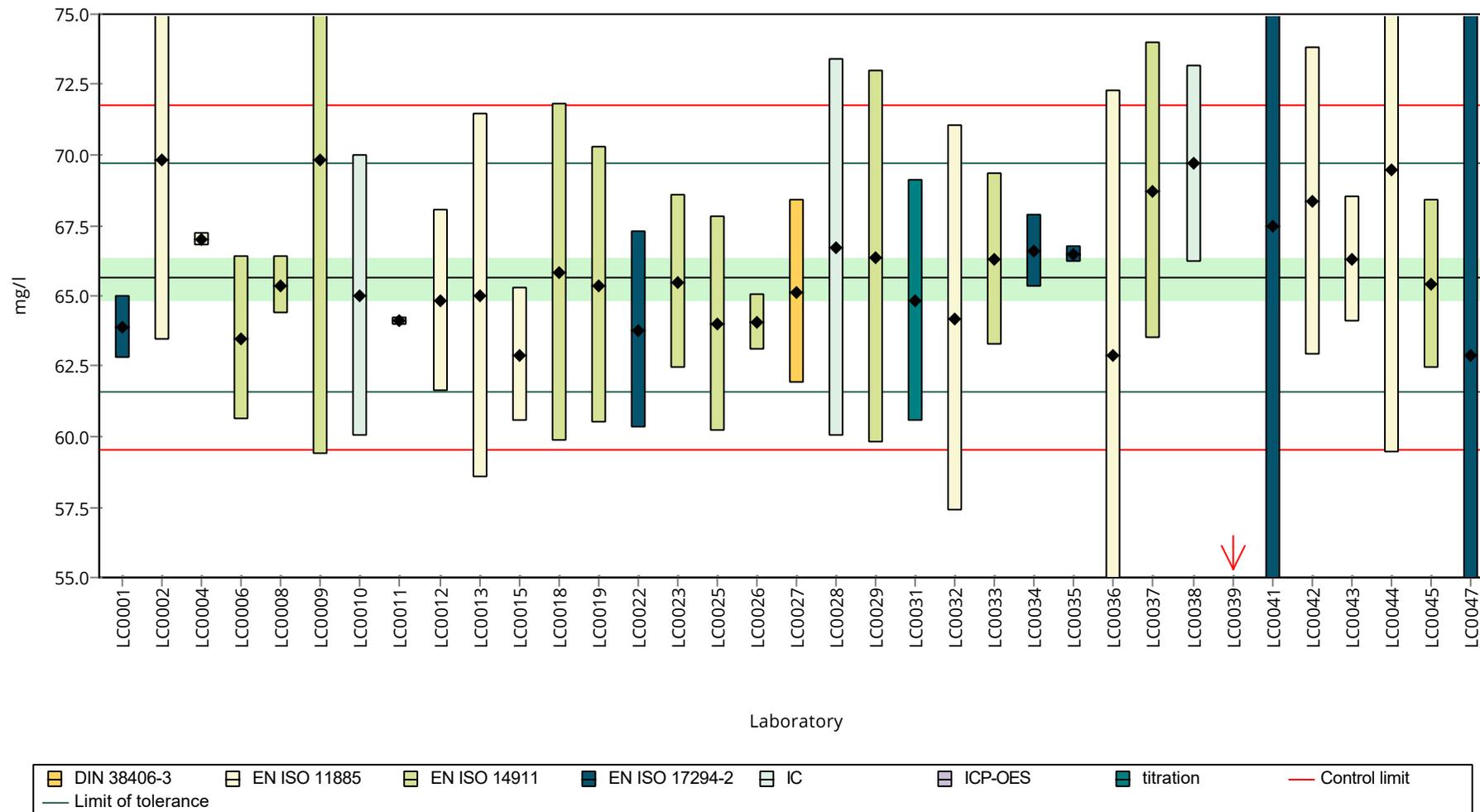
Labcode	Result ± U	Recovery [%]	z-Score	Comments
LC0042	68.35 ± 5.47	104	1.33	
LC0043	66.3 ± 2.25	101	0.33	
LC0044	69.5 ± 10.1	106	1.9	
LC0045	65.41 ± 3	99.7	-0.11	
LC0046	- ± -	-	-	
LC0047	62.9 ± 12.6	95.8	-1.35	
LC0048	- ± -	-	-	
LC0049	- ± -	-	-	
LC0050	- ± -	-	-	

Characteristics of parameter

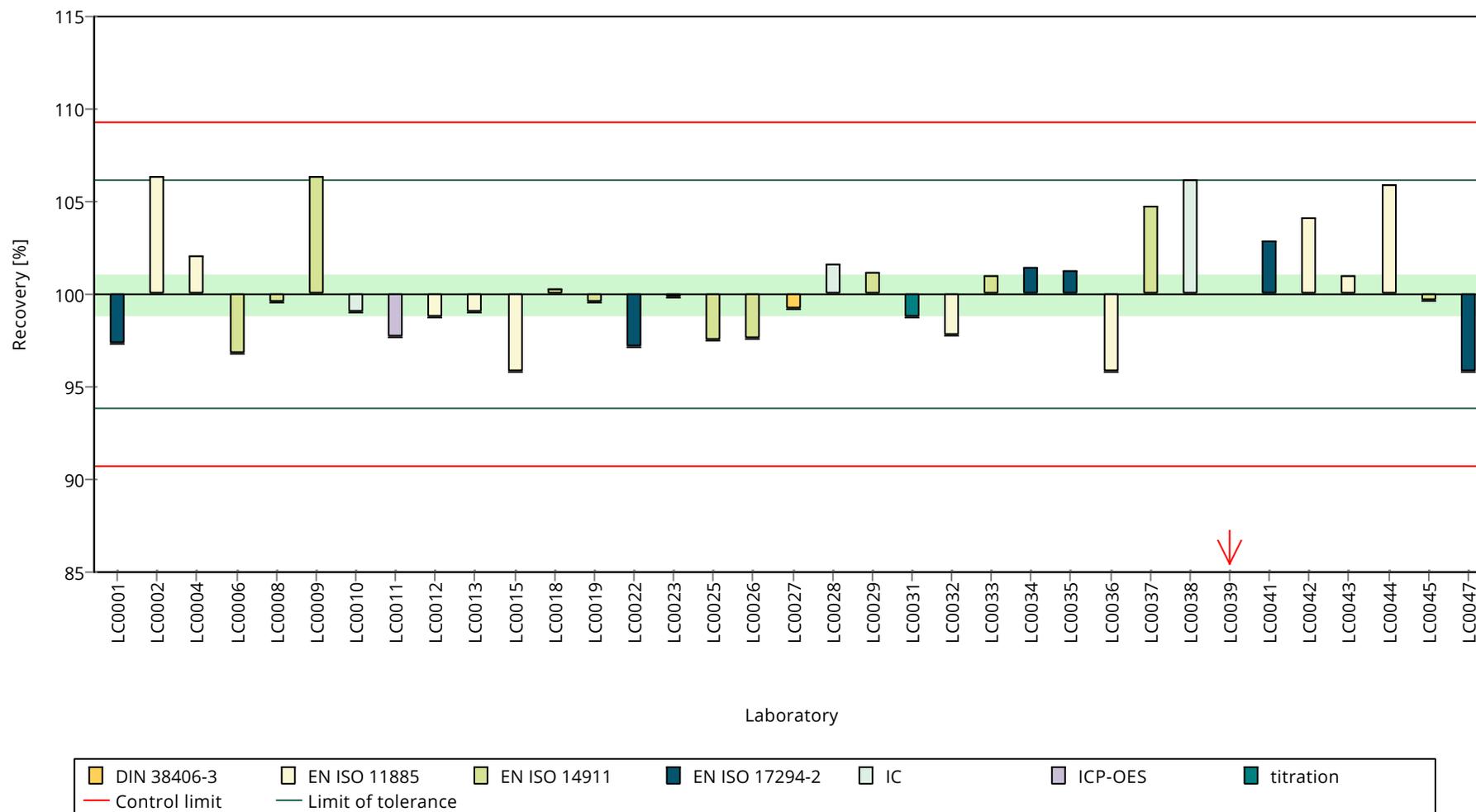
	all results	without outliers	Unit
Mean ± CI (99%)	65.1 ± 2.33	65.8 ± 1.05	mg/l
Minimum	41.3	62.9	mg/l
Maximum	69.8	69.8	mg/l
Standard deviation	4.6	2.04	mg/l
rel. standard deviation	7.06	3.1	%
n	35	34	-

Graphical presentation of results

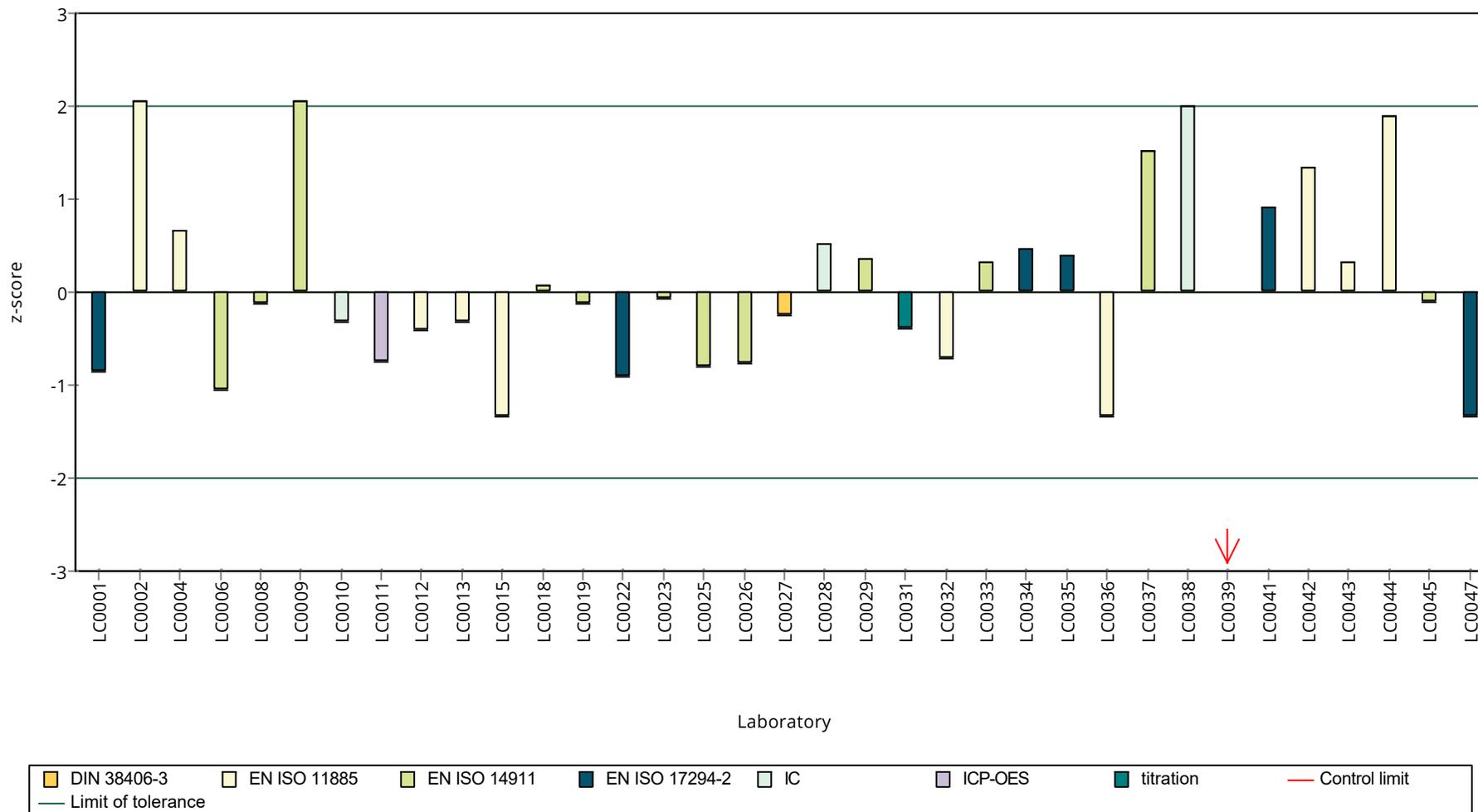
Results



Recovery rate



z-Score



Parameter oriented report

N180 A

Chloride

Unit	mg/l
Assigned value ± U (k=2)	110 ± 0.63
Criterion	4.41 (4 %)
Minimum - Maximum	106 - 115
Control test value ± U (k=2)	105 ± 12.6

Labcode	Result ± U	Recovery [%]	z-Score	Comments
LC0001	110 ± 0.001	99.8	-0.04	
LC0002	109 ± 1.9	98.9	-0.27	
LC0003	- ± -	-	-	
LC0004	113 ± 5.75	103	0.64	
LC0005	- ± -	-	-	
LC0006	109.8 ± 9.1	99.6	-0.09	
LC0007	110.2 ± 16.5	100	0.00	
LC0008	108.89 ± 6.5334	98.8	-0.29	
LC0009	118 ± 17.7	107	1.77	H
LC0010	110 ± 8.2	99.8	-0.04	
LC0011	105.687 ± 0.475	95.9	-1.02	
LC0012	111 ± 5.55	101	0.18	
LC0013	111 ± 11.1	101	0.18	
LC0014	- ± -	-	-	
LC0015	- ± -	-	-	
LC0016	111 ± 2	101	0.18	
LC0017	- ± -	-	-	
LC0018	112 ± 8	102	0.41	
LC0019	110.3 ± 5.515	100	0.03	
LC0020	110.5 ± 3.59	100	0.07	
LC0021	108 ± 16.2	98	-0.5	
LC0022	110.41 ± 11.6	100	0.05	
LC0023	110.5 ± 0.3	100	0.07	
LC0024	- ± -	-	-	
LC0025	108 ± 9	98	-0.5	
LC0026	111.6 ± 0.2	101	0.32	
LC0027	114.3 ± 13	104	0.93	
LC0028	111 ± 11.1	101	0.18	
LC0029	109.94 ± 10.994	99.8	-0.06	
LC0030	113.8 ± 6.83	103	0.82	
LC0031	111.32 ± 4.74	101	0.26	
LC0032	110.4 ± 18.3	100	0.05	
LC0033	109 ± 5.2	98.9	-0.27	
LC0034	110 ± 4.3	99.8	-0.04	
LC0035	107.95 ± 0.439	98	-0.51	
LC0036	109 ± 11	98.9	-0.27	
LC0037	107.2 ± 11.7	97.3	-0.68	
LC0038	111.1 ± 5.6	101	0.21	
LC0039	110.6 ± 7.74	100	0.09	
LC0040	109.669 ± 14.345	99.5	-0.12	
LC0041	114 ± 17	103	0.86	

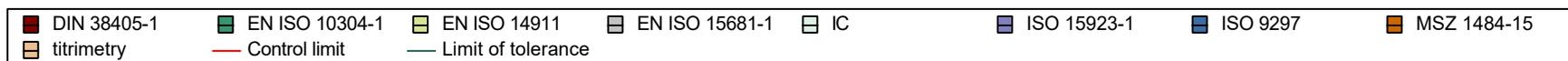
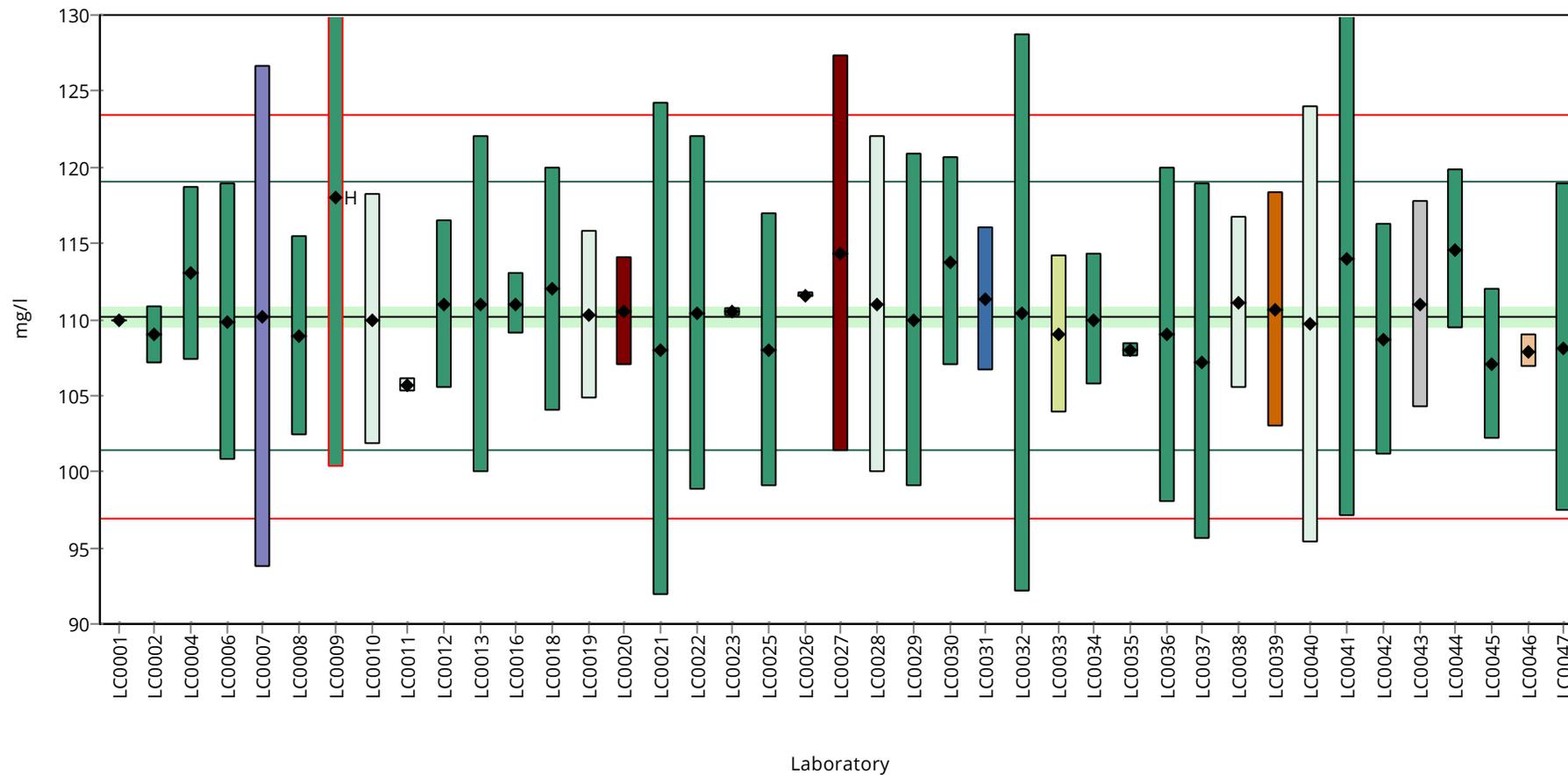
Labcode	Result \pm U	Recovery [%]	z-Score	Comments
LC0042	108.7 \pm 7.61	98.6	-0.34	
LC0043	111 \pm 6.8	101	0.18	
LC0044	114.6 \pm 5.2	104	1	
LC0045	107.05 \pm 5	97.2	-0.71	
LC0046	107.92 \pm 1.1	97.9	-0.51	
LC0047	108.15 \pm 10.82	98.1	-0.46	
LC0048	- \pm -	-	-	
LC0049	- \pm -	-	-	
LC0050	- \pm -	-	-	

Characteristics of parameter

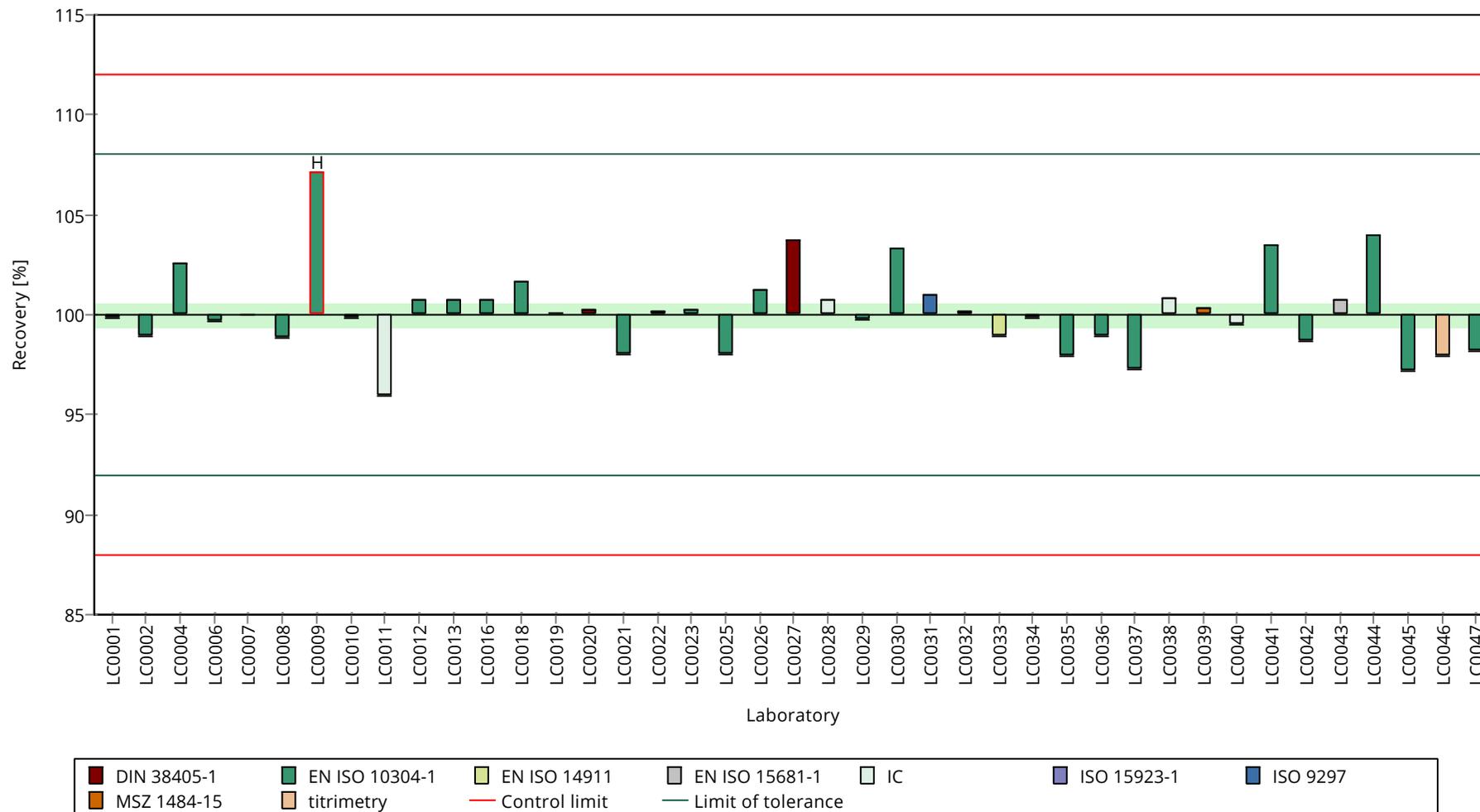
	all results	without outliers	Unit
Mean \pm CI (99%)	110 \pm 1.08	110 \pm 0.944	mg/l
Minimum	106	106	mg/l
Maximum	118	115	mg/l
Standard deviation	2.31	1.99	mg/l
rel. standard deviation	2.1	1.81	%
n	41	40	-

Graphical presentation of results

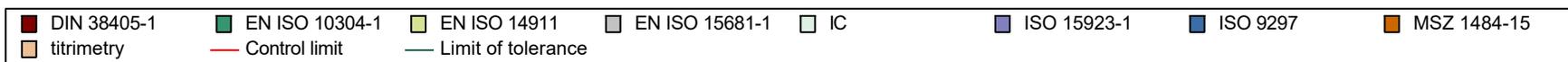
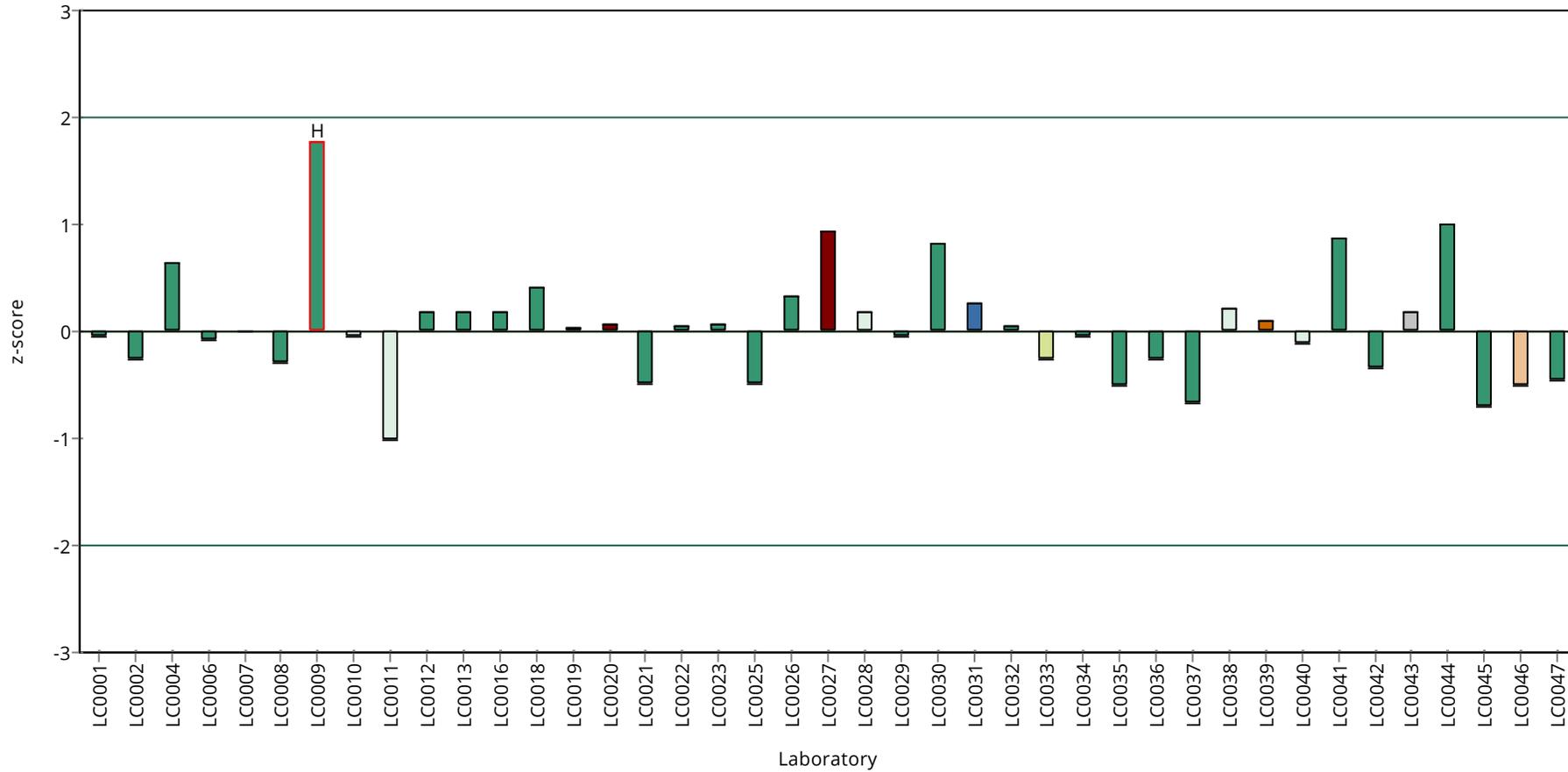
Results



Recovery rate



z-Score



Parameter oriented report

N180 B

Chloride

Unit	mg/l
Assigned value ± U (k=2)	41.2 ± 0.375
Criterion	1.65 (4 %)
Minimum - Maximum	38.1 - 43.9
Control test value ± U (k=2)	39.6 ± 4.76

Labcode	Result ± U	Recovery [%]	z-Score	Comments
LC0001	42.5 ± 0.212	103	0.81	
LC0002	40.5 ± 0.69	98.4	-0.4	
LC0003	- ± -	-	-	
LC0004	41.3 ± 1.97	100	0.08	
LC0005	- ± -	-	-	
LC0006	40.9 ± 3.4	99.4	-0.16	
LC0007	42.9 ± 6.44	104	1.06	
LC0008	39.36 ± 2.3616	95.6	-1.09	
LC0009	43.9 ± 6.585	107	1.66	
LC0010	42 ± 3.1	102	0.51	
LC0011	38.119 ± 0.149	92.6	-1.85	
LC0012	40.6 ± 2.03	98.6	-0.34	
LC0013	41.6 ± 4.16	101	0.27	
LC0014	38.6 ± 3.09	93.8	-1.56	
LC0015	- ± -	-	-	
LC0016	40.5 ± 0.74	98.4	-0.4	
LC0017	- ± -	-	-	
LC0018	41.6 ± 3	101	0.27	
LC0019	41.4 ± 2.07	101	0.15	
LC0020	42 ± 1.37	102	0.51	
LC0021	40.9 ± 6.14	99.4	-0.16	
LC0022	40.48 ± 4.1	98.3	-0.41	
LC0023	42 ± 0.2	102	0.51	
LC0024	- ± -	-	-	
LC0025	40.1 ± 3.2	97.4	-0.64	
LC0026	41.6 ± 0.2	101	0.27	
LC0027	42.55 ± 4.85	103	0.84	
LC0028	42.3 ± 4.2	103	0.69	
LC0029	40.45 ± 4.045	98.3	-0.43	
LC0030	42.6 ± 2.56	103	0.87	
LC0031	41.55 ± 2.65	101	0.24	
LC0032	41.4 ± 7.07	101	0.15	
LC0033	41.5 ± 2	101	0.21	
LC0034	41 ± 1.6	99.6	-0.1	
LC0035	39.65 ± 0.259	96.3	-0.92	
LC0036	41 ± 4.1	99.6	-0.1	
LC0037	40 ± 4.37	97.2	-0.7	
LC0038	41.1 ± 2.1	99.9	-0.04	
LC0039	41.2 ± 2.88	100	0.02	
LC0040	40.409 ± 5.286	98.2	-0.46	
LC0041	43 ± 6.5	104	1.12	

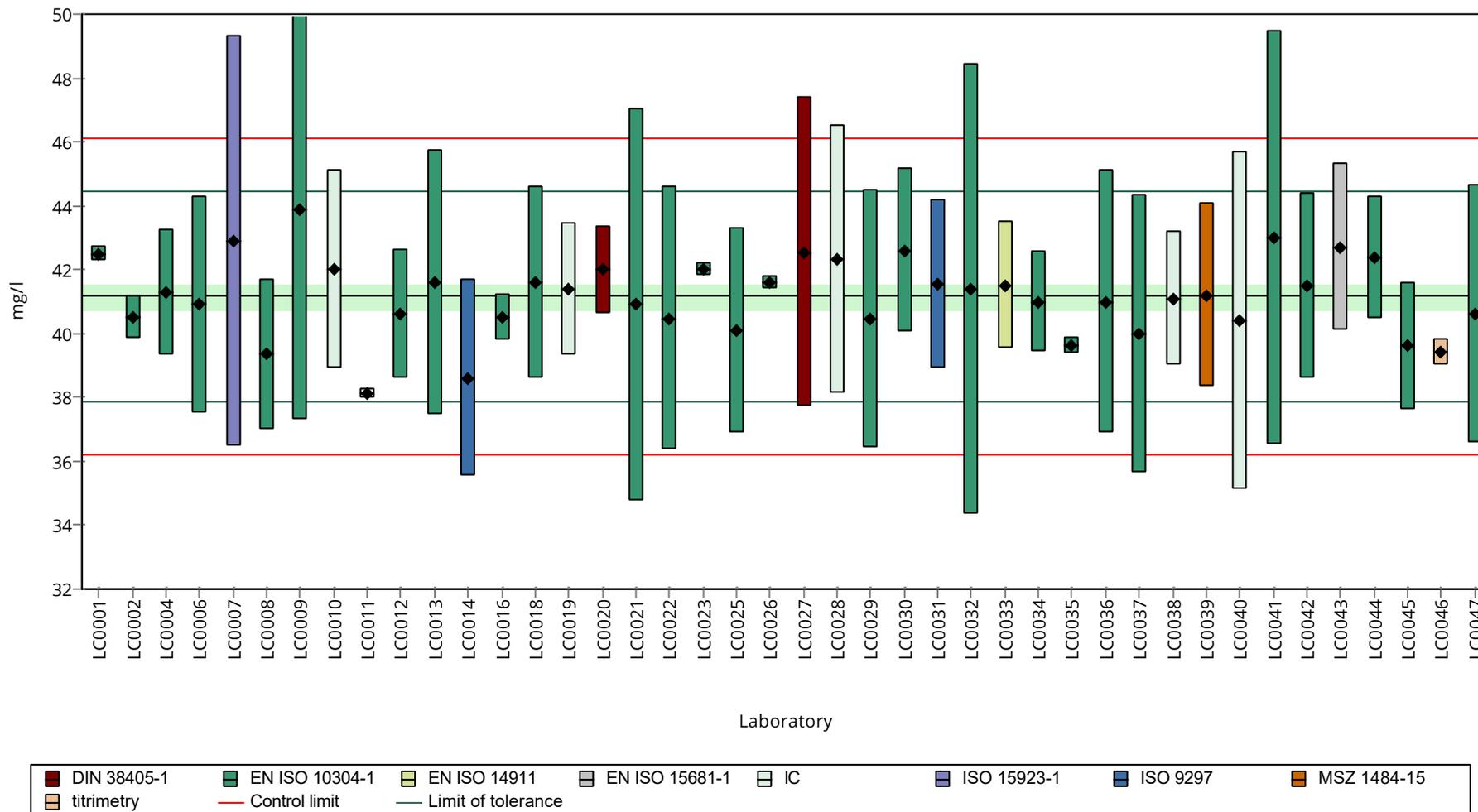
Labcode	Result ± U	Recovery [%]	z-Score	Comments
LC0042	41.5 ± 2.9	101	0.21	
LC0043	42.7 ± 2.62	104	0.94	
LC0044	42.35 ± 1.92	103	0.72	
LC0045	39.6 ± 2	96.2	-0.95	
LC0046	39.41 ± 0.4	95.7	-1.06	
LC0047	40.6 ± 4.06	98.6	-0.34	
LC0048	- ± -	-	-	
LC0049	- ± -	-	-	
LC0050	- ± -	-	-	

Characteristics of parameter

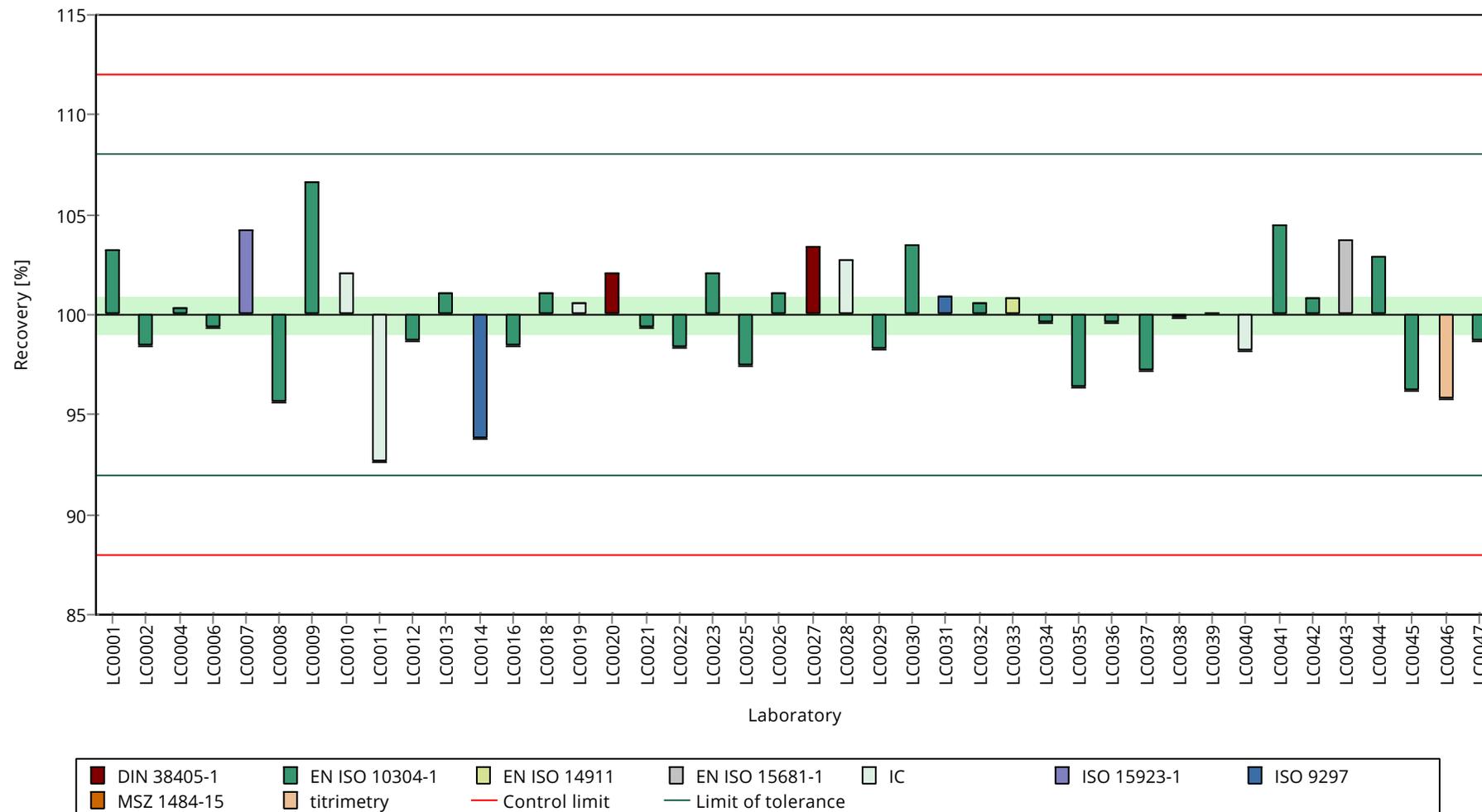
	all results	without outliers	Unit
Mean ± CI (99%)	41.2 ± 0.562	41.2 ± 0.562	mg/l
Minimum	38.1	38.1	mg/l
Maximum	43.9	43.9	mg/l
Standard deviation	1.22	1.22	mg/l
rel. standard deviation	2.95	2.95	%
n	42	42	-

Graphical presentation of results

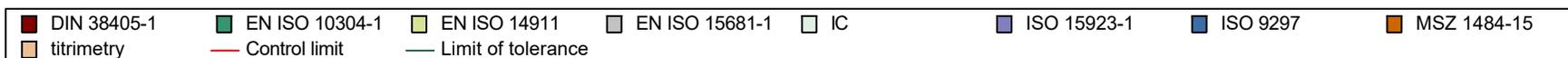
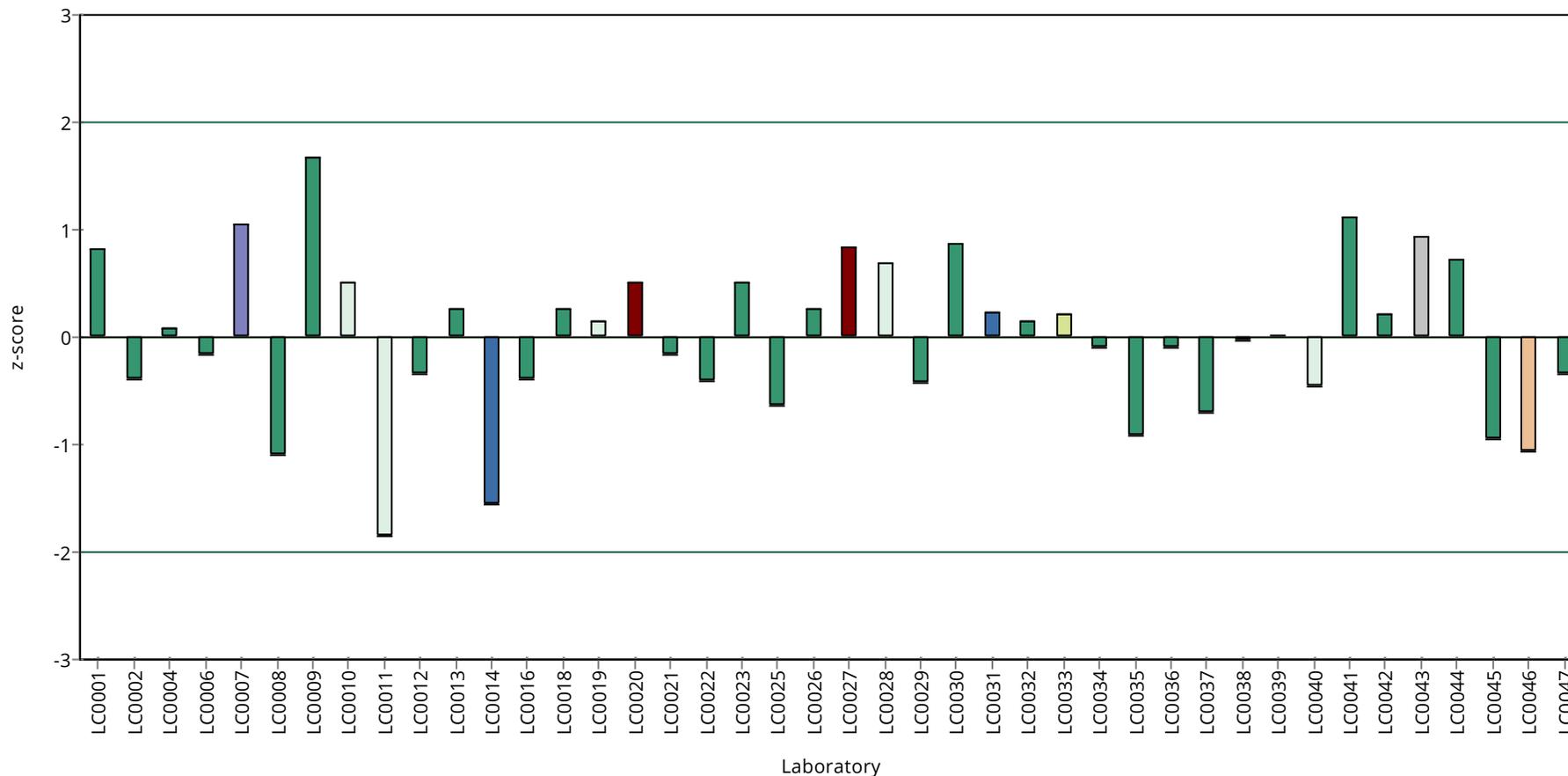
Results



Recovery rate



z-Score



Parameter oriented report

N180 A DOC

DOC (as C)

Unit	mg/l
Assigned value ± U (k=2)	1.55 ± 0.082
Criterion	0.186 (12 %)
Minimum - Maximum	1.18 - 2.03
Control test value ± U (k=2)	1.16 ± 0.174

Labcode	Result ± U	Recovery [%]	z-Score	Comments
LC0001	1.35 ± 0.064	87	-1.08	
LC0002	1.55 ± 0.1	99.9	-0.01	
LC0003	- ± -	-	-	
LC0004	1.67 ± 0.0716	108	0.63	
LC0005	- ± -	-	-	
LC0006	- ± -	-	-	
LC0007	1.42 ± 0.569	91.5	-0.71	
LC0008	1.457 ± 0.21855	93.9	-0.51	
LC0009	1.53 ± 0.19	98.6	-0.12	
LC0010	1.29 ± 0.13	83.1	-1.41	
LC0011	- ± -	-	-	
LC0012	1.76 ± 0.1408	113	1.12	
LC0013	1.42 ± 0.14	91.5	-0.71	
LC0014	- ± -	-	-	
LC0015	- ± -	-	-	
LC0016	- ± -	-	-	
LC0017	- ± -	-	-	
LC0018	1.61 ± 0.3	104	0.31	
LC0019	2.03 ± 0.152	131	2.57	
LC0020	- ± -	-	-	
LC0021	- ± -	-	-	
LC0022	1.413 ± 0.283	91	-0.75	
LC0023	1.58 ± 0.09	102	0.15	
LC0024	1.7 ± 0.2	110	0.79	
LC0025	1.41 ± 0.08	90.8	-0.76	
LC0026	1.5 ± 0.2	96.6	-0.28	
LC0027	6.58 ± 0.665	424	27	H
LC0028	1.18 ± 0.18	76	-2	
LC0029	1.5 ± 0.12	96.6	-0.28	
LC0030	- ± -	-	-	
LC0031	1.925 ± 0.385	124	2	
LC0032	1.41 ± 0.26	90.8	-0.76	
LC0033	- ± -	-	-	
LC0034	1.7 ± 0.21	110	0.79	
LC0035	- ± -	-	-	
LC0036	1.73 ± 0.35	111	0.96	
LC0037	- ± -	-	-	
LC0038	0.09 ± 0.009	5.8	-7.85	H
LC0039	- ± -	-	-	
LC0040	1.593 ± 0.287	103	0.22	
LC0041	1.4 ± 0.42	90.2	-0.82	

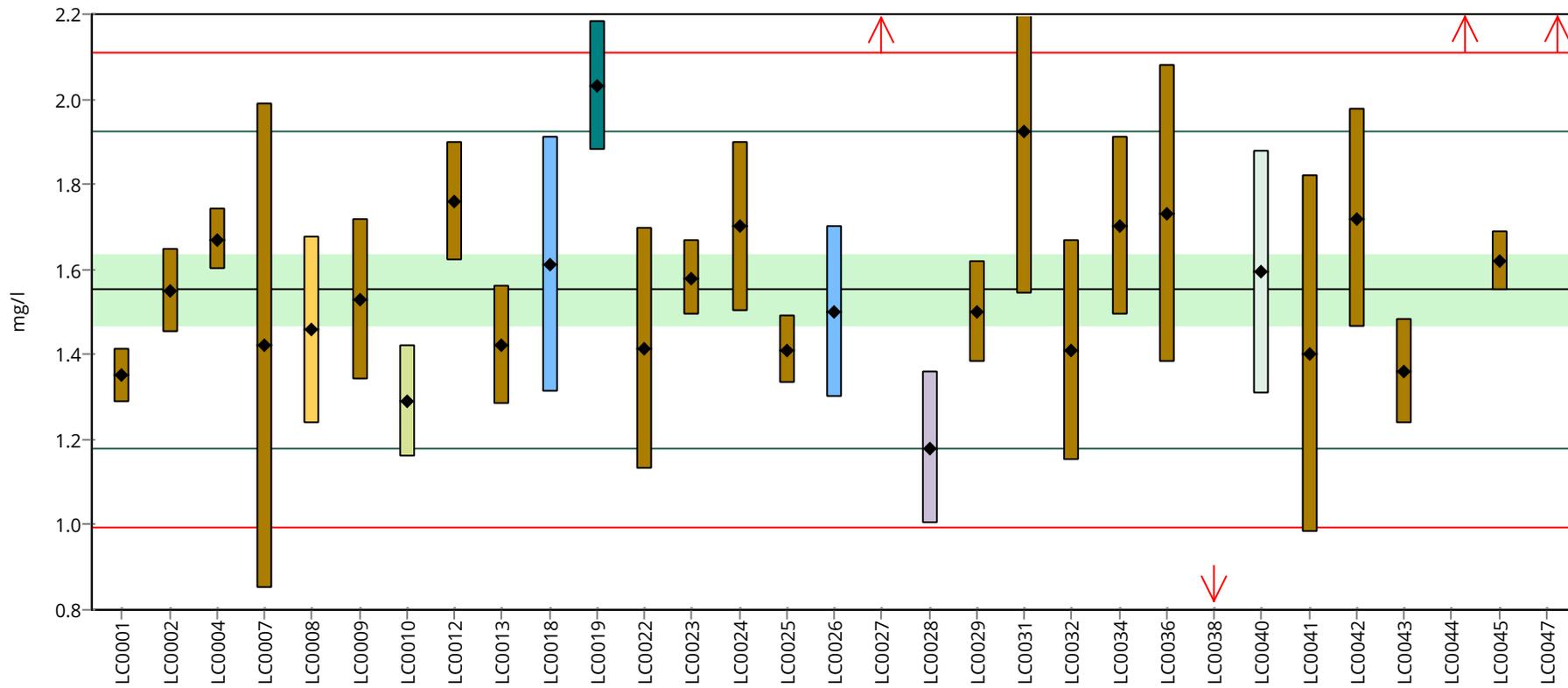
Labcode	Result \pm U	Recovery [%]	z-Score	Comments
LC0042	1.72 \pm 0.258	111	0.9	
LC0043	1.36 \pm 0.122	87.6	-1.03	
LC0044	2.335 \pm 0.192	150	4.2	H
LC0045	1.62 \pm 0.07	104	0.36	
LC0046	- \pm -	-	-	
LC0047	2.422 \pm 0.24	156	4.67	H
LC0048	- \pm -	-	-	
LC0049	- \pm -	-	-	
LC0050	- \pm -	-	-	

Characteristics of parameter

	all results	without outliers	Unit
Mean \pm CI (99%)	1.72 \pm 0.529	1.55 \pm 0.111	mg/l
Minimum	0.09	1.18	mg/l
Maximum	6.58	2.03	mg/l
Standard deviation	0.981	0.192	mg/l
rel. standard deviation	57.1	12.4	%
n	31	27	-

Graphical presentation of results

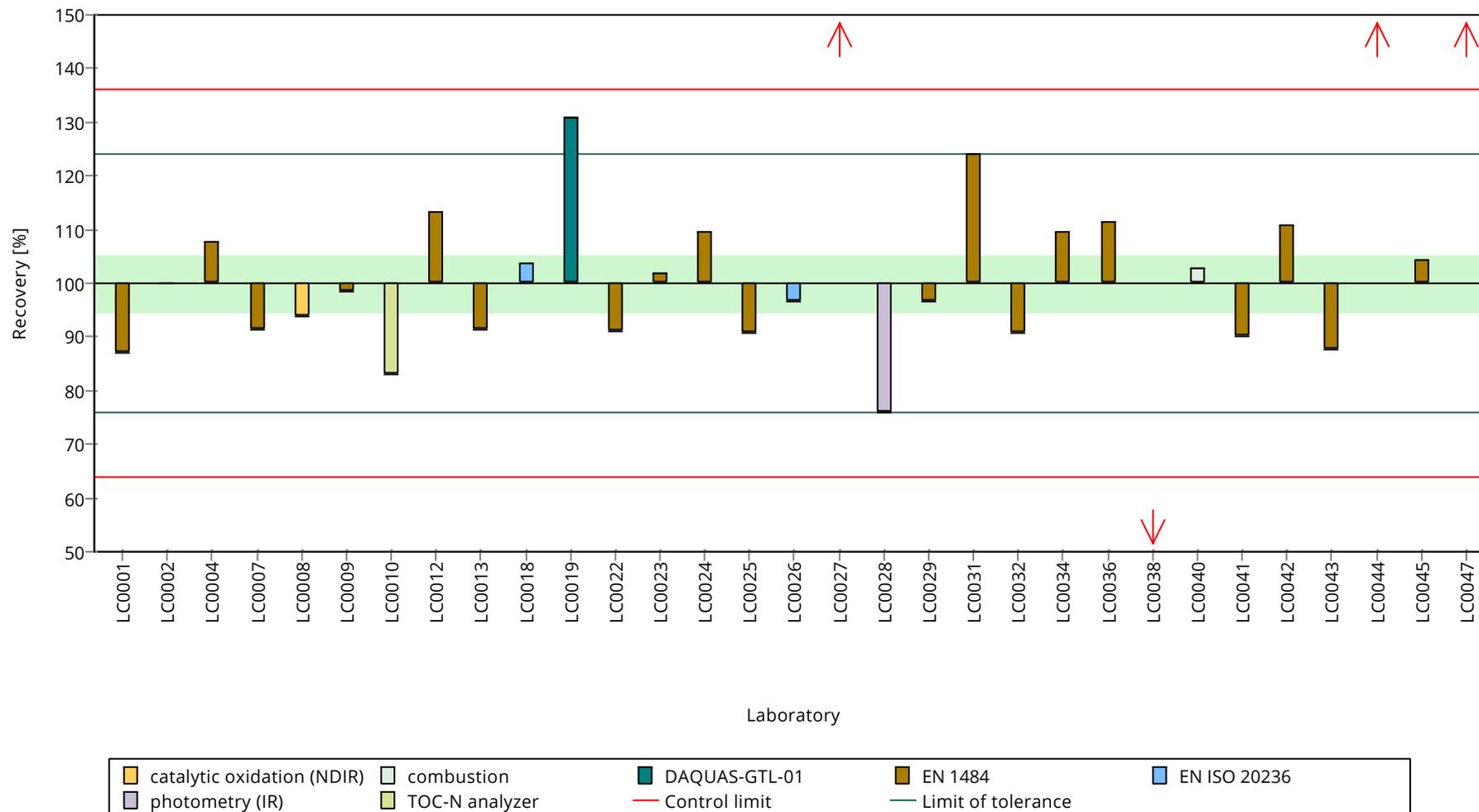
Results



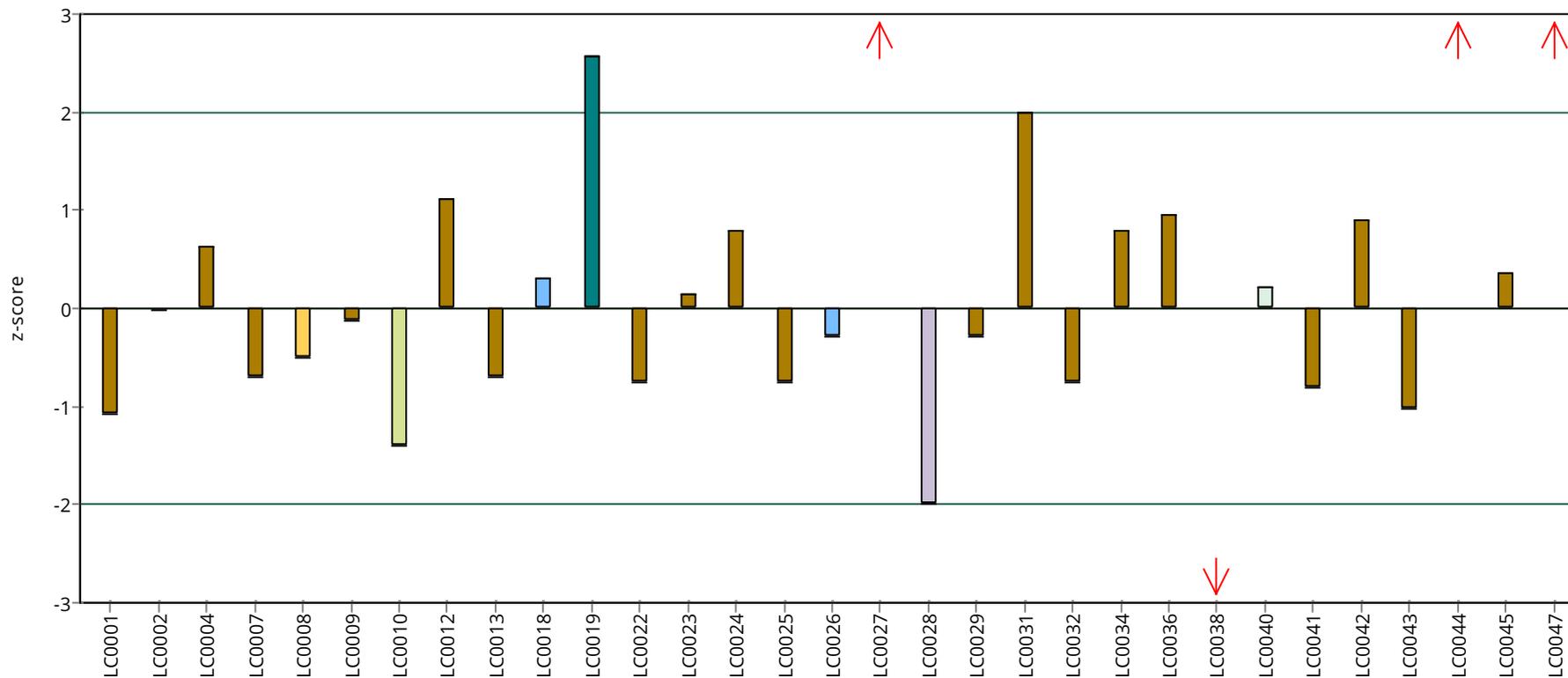
Laboratory



Recovery rate



z-Score



Laboratory



Parameter oriented report

N180 B DOC

DOC (as C)

Unit mg/l
Assigned value ± U (k=2) 2.87 ± 0.0629
Criterion 0.287 (10 %)
Minimum - Maximum 2.45 - 3.23
Control test value ± U (k=2) 2.40 ± 0.36

Labcode	Result ± U	Recovery [%]	z-Score	Comments
LC0001	2.67 ± 0.062	93	-0.7	
LC0002	2.96 ± 0.2	103	0.31	
LC0003	- ± -	-	-	
LC0004	2.91 ± 0.0694	101	0.14	
LC0005	- ± -	-	-	
LC0006	- ± -	-	-	
LC0007	2.99 ± 1.195	104	0.42	
LC0008	2.87 ± 0.4305	100	0.00	
LC0009	2.87 ± 0.36	100	0.00	
LC0010	2.19 ± 0.22	76.3	-2.37	H
LC0011	- ± -	-	-	
LC0012	3 ± 0.24	105	0.45	
LC0013	2.89 ± 0.29	101	0.07	
LC0014	2.84 ± 0.199	98.9	-0.11	
LC0015	- ± -	-	-	
LC0016	- ± -	-	-	
LC0017	- ± -	-	-	
LC0018	2.88 ± 0.5	100	0.03	
LC0019	3.02 ± 0.227	105	0.52	
LC0020	- ± -	-	-	
LC0021	- ± -	-	-	
LC0022	2.755 ± 0.551	96	-0.4	
LC0023	2.97 ± 0.08	103	0.35	
LC0024	3.1 ± 0.37	108	0.8	
LC0025	2.91 ± 0.17	101	0.14	
LC0026	2.79 ± 0.2	97.2	-0.28	
LC0027	4.29 ± 0.433	149	4.94	H
LC0028	2.45 ± 0.37	85.3	-1.47	
LC0029	2.8 ± 0.22	97.5	-0.25	
LC0030	- ± -	-	-	
LC0031	3.225 ± 0.645	112	1.23	
LC0032	2.67 ± 0.32	93	-0.7	
LC0033	- ± -	-	-	
LC0034	3.07 ± 0.32	107	0.69	
LC0035	- ± -	-	-	
LC0036	2.91 ± 0.58	101	0.14	
LC0037	- ± -	-	-	
LC0038	0.08 ± 0.008	2.8	-9.72	H
LC0039	- ± -	-	-	
LC0040	2.897 ± 0.521	101	0.09	
LC0041	2.85 ± 0.86	99.3	-0.07	

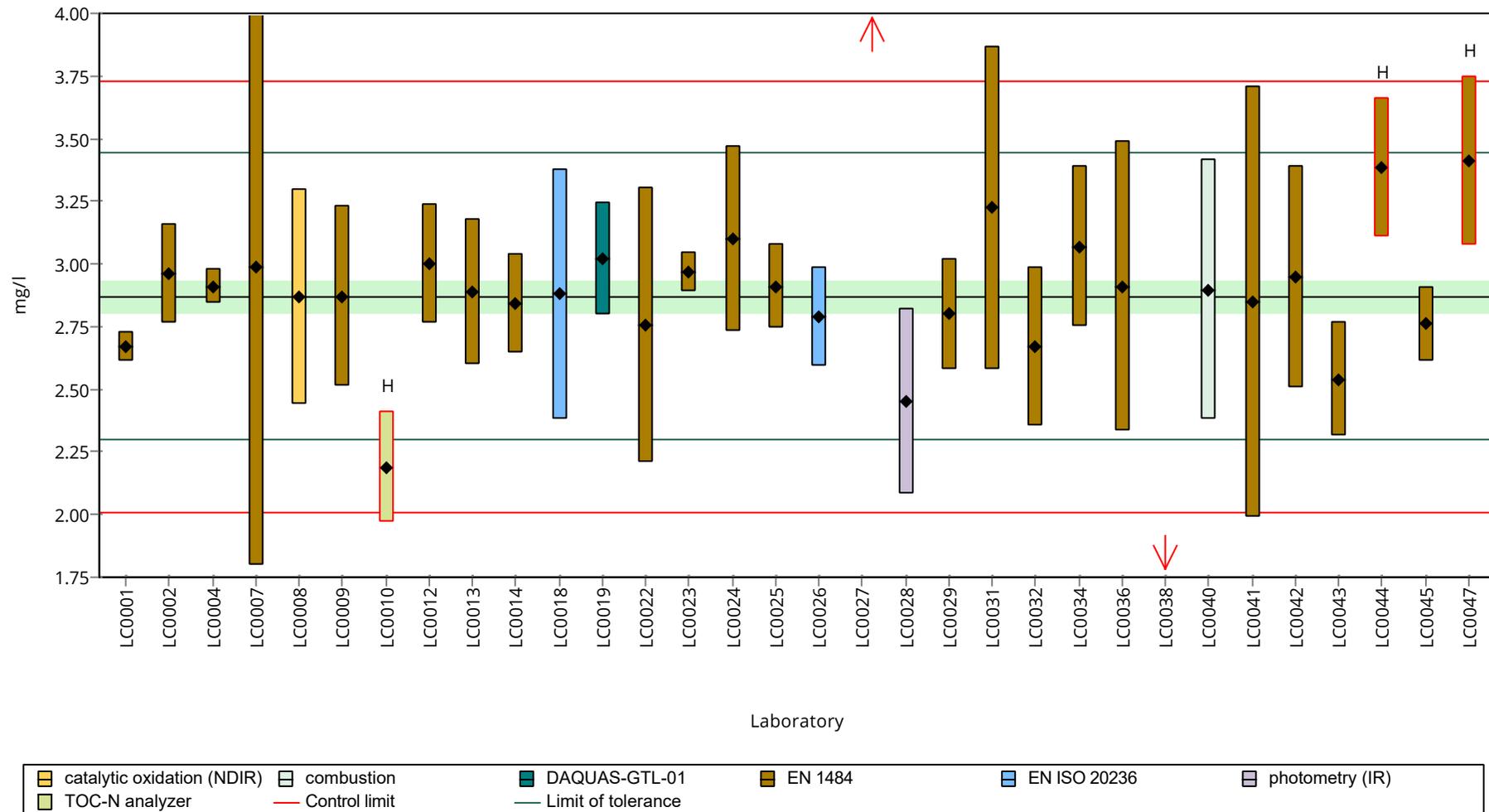
Labcode	Result \pm U	Recovery [%]	z-Score	Comments
LC0042	2.95 \pm 0.443	103	0.28	
LC0043	2.54 \pm 0.228	88.5	-1.15	
LC0044	3.385 \pm 0.28	118	1.79	H
LC0045	2.76 \pm 0.15	96.1	-0.39	
LC0046	- \pm -	-	-	
LC0047	3.411 \pm 0.34	119	1.88	H
LC0048	- \pm -	-	-	
LC0049	- \pm -	-	-	
LC0050	- \pm -	-	-	

Characteristics of parameter

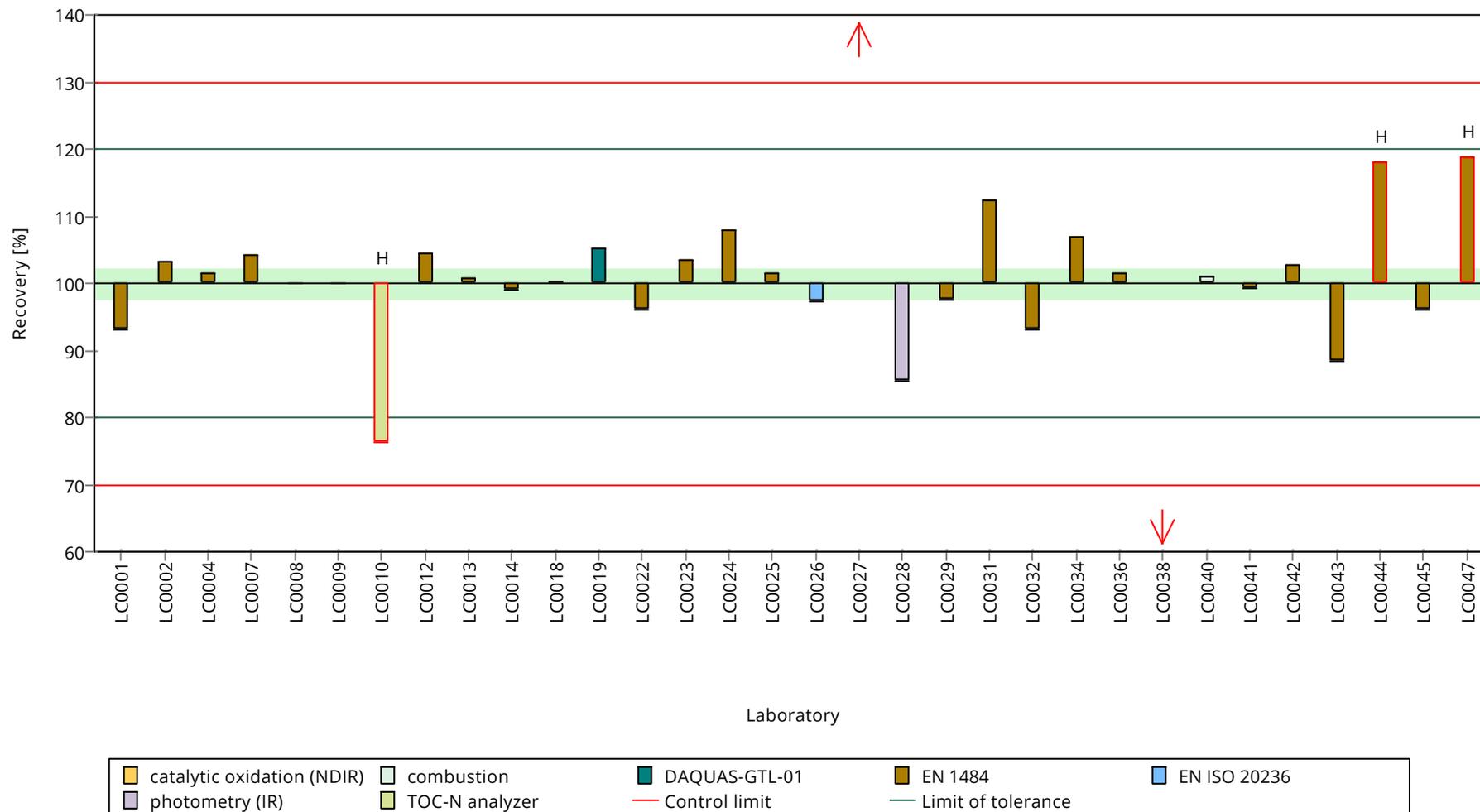
	all results	without outliers	Unit
Mean \pm CI (99%)	2.84 \pm 0.323	2.87 \pm 0.0952	mg/l
Minimum	0.08	2.45	mg/l
Maximum	4.29	3.23	mg/l
Standard deviation	0.609	0.165	mg/l
rel. standard deviation	21.4	5.74	%
n	32	27	-

Graphical presentation of results

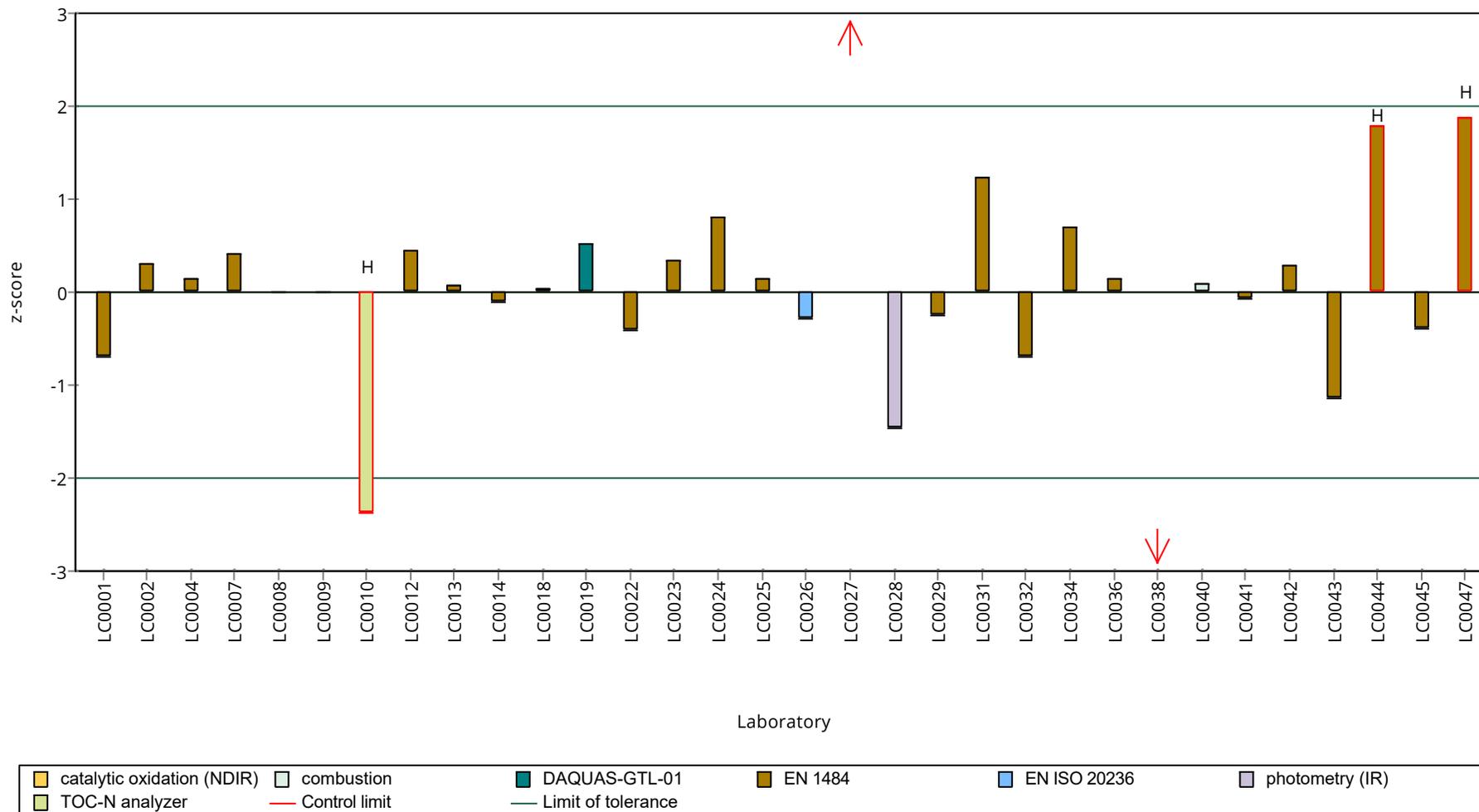
Results



Recovery rate



z-Score



Parameter oriented report

N180 A

El. conductivity (25°C)

Unit	µS/cm
Assigned value ± U (k=2)	1170 ± 4.33
Criterion	15.3 (1.3 %)
Minimum - Maximum	1140 - 1190
Control test value ± U (k=2)	1170 ± 58.7

Labcode	Result ± U	Recovery [%]	z-Score	Comments
LC0001	1140 ± 5.774	97.1	-2.22	
LC0002	1145 ± 23	97.5	-1.9	
LC0003	1184 ± 24	101	0.66	
LC0004	1177 ± 0.37	100	0.2	
LC0005	- ± -	-	-	
LC0006	1179 ± 35	100	0.33	
LC0007	- ± -	-	-	
LC0008	1188 ± 29.7	101	0.92	
LC0009	1171 ± 146	99.7	-0.19	
LC0010	1177 ± 35	100	0.2	
LC0011	1172 ± 3.54	99.8	-0.13	
LC0012	1160 ± 20	98.8	-0.91	
LC0013	1184 ± 15	101	0.66	
LC0014	- ± -	-	-	
LC0015	- ± -	-	-	
LC0016	1186 ± 60	101	0.79	
LC0017	- ± -	-	-	
LC0018	1180 ± 48	101	0.4	
LC0019	1116 ± 55.8	95.1	-3.8	H
LC0020	1146 ± 60	97.6	-1.83	
LC0021	1170 ± 58.5	99.7	-0.26	
LC0022	1167 ± 64.2	99.4	-0.46	
LC0023	1182 ± 35	101	0.53	
LC0024	1185 ± 13	101	0.72	
LC0025	1175 ± 35	100	0.07	
LC0026	1181 ± 2	101	0.46	
LC0027	1166 ± 15.2	99.3	-0.52	
LC0028	1090 ± 164	92.8	-5.5	H
LC0029	1192 ± 19.2	102	1.18	
LC0030	1180 ± 59	101	0.4	
LC0031	1224.5 ± 61.23	104	3.31	H
LC0032	1188 ± 36.4	101	0.92	
LC0033	1187 ± 19	101	0.86	
LC0034	1176 ± 24	100	0.13	
LC0035	1151 ± 0.202	98	-1.5	
LC0036	1170 ± 35	99.7	-0.26	
LC0037	1176 ± 14.6	100	0.13	
LC0038	1141 ± 57	97.2	-2.16	
LC0039	1169 ± 58.5	99.6	-0.32	
LC0040	1193 ± 60	102	1.25	
LC0041	1165 ± 117	99.2	-0.59	

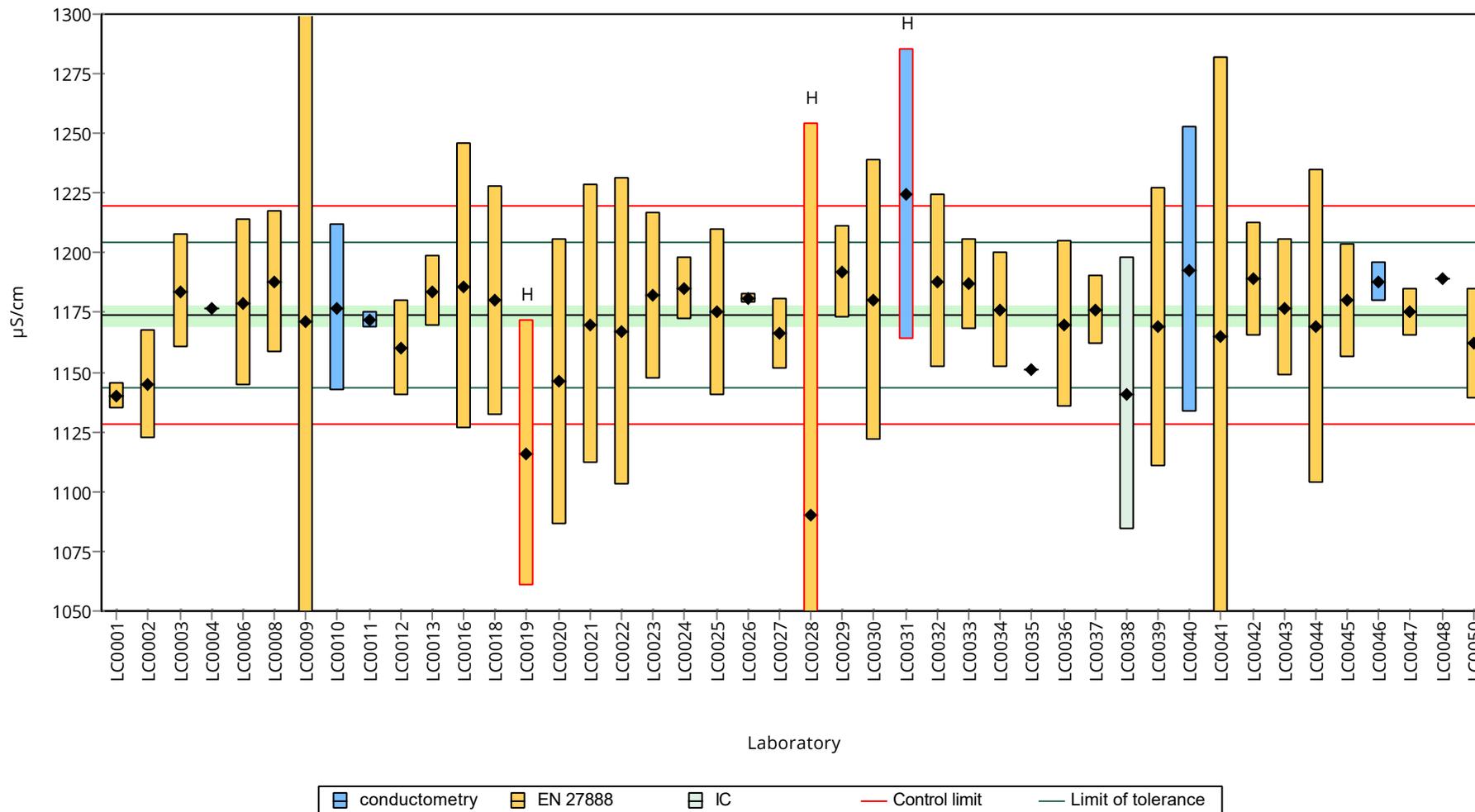
Labcode	Result ± U	Recovery [%]	z-Score	Comments
LC0042	1189 ± 23.78	101	0.99	
LC0043	1177 ± 28.9	100	0.2	
LC0044	1169 ± 66	99.6	-0.32	
LC0045	1180 ± 24	101	0.4	
LC0046	1188 ± 8.4	101	0.92	
LC0047	1175 ± 10	100	0.07	
LC0048	1189 ± 0.001	101	0.99	
LC0049	- ± -	-	-	
LC0050	1162 ± 23.2	99	-0.78	

Characteristics of parameter

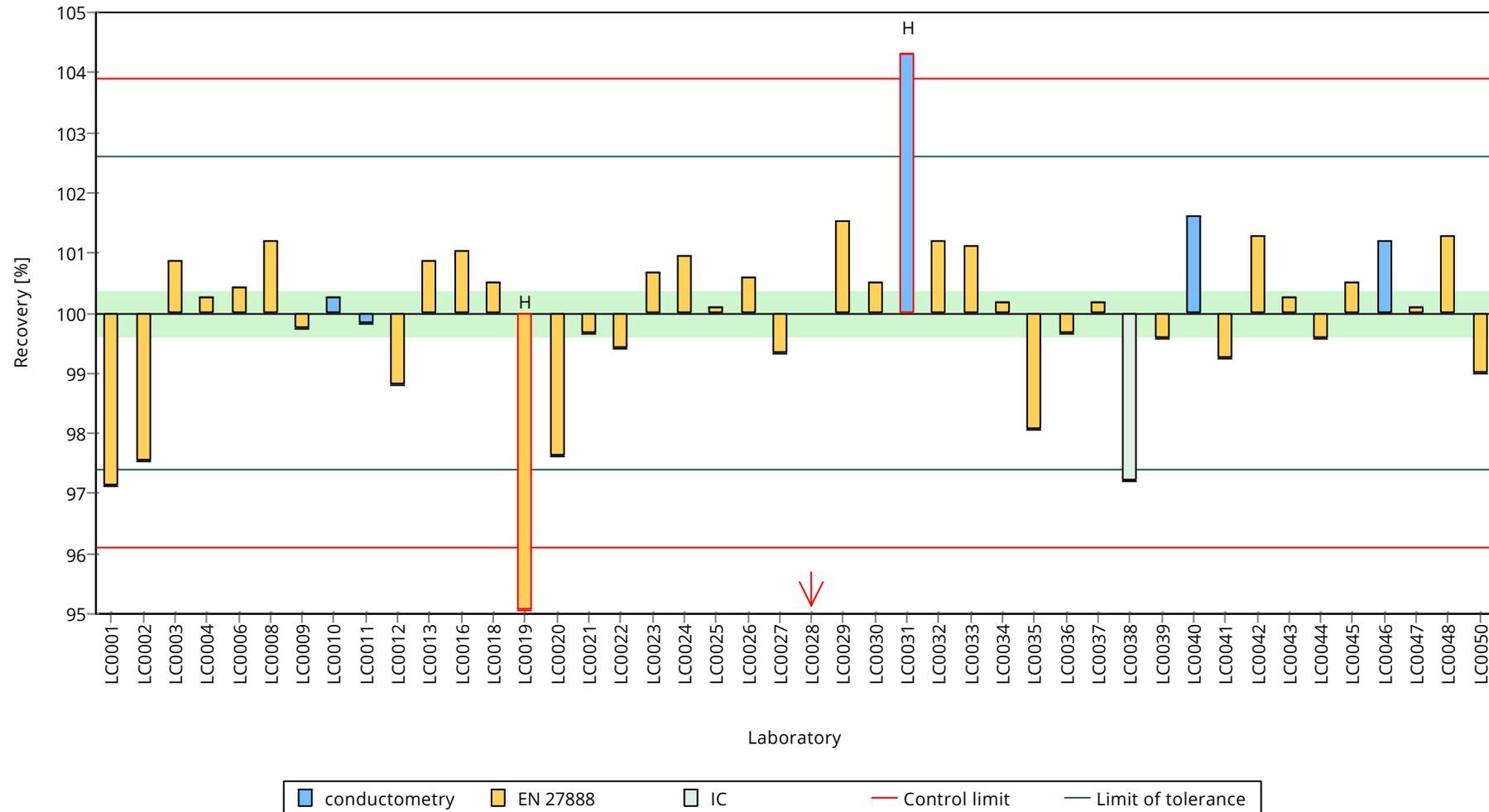
	all results	without outliers	Unit
Mean ± CI (99%)	1170 ± 9.86	1170 ± 6.49	µS/cm
Minimum	1090	1140	µS/cm
Maximum	1220	1190	µS/cm
Standard deviation	21.8	13.9	µS/cm
rel. standard deviation	1.86	1.18	%
n	44	41	-

Graphical presentation of results

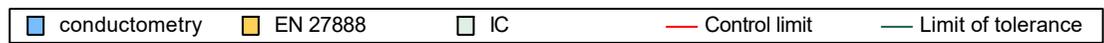
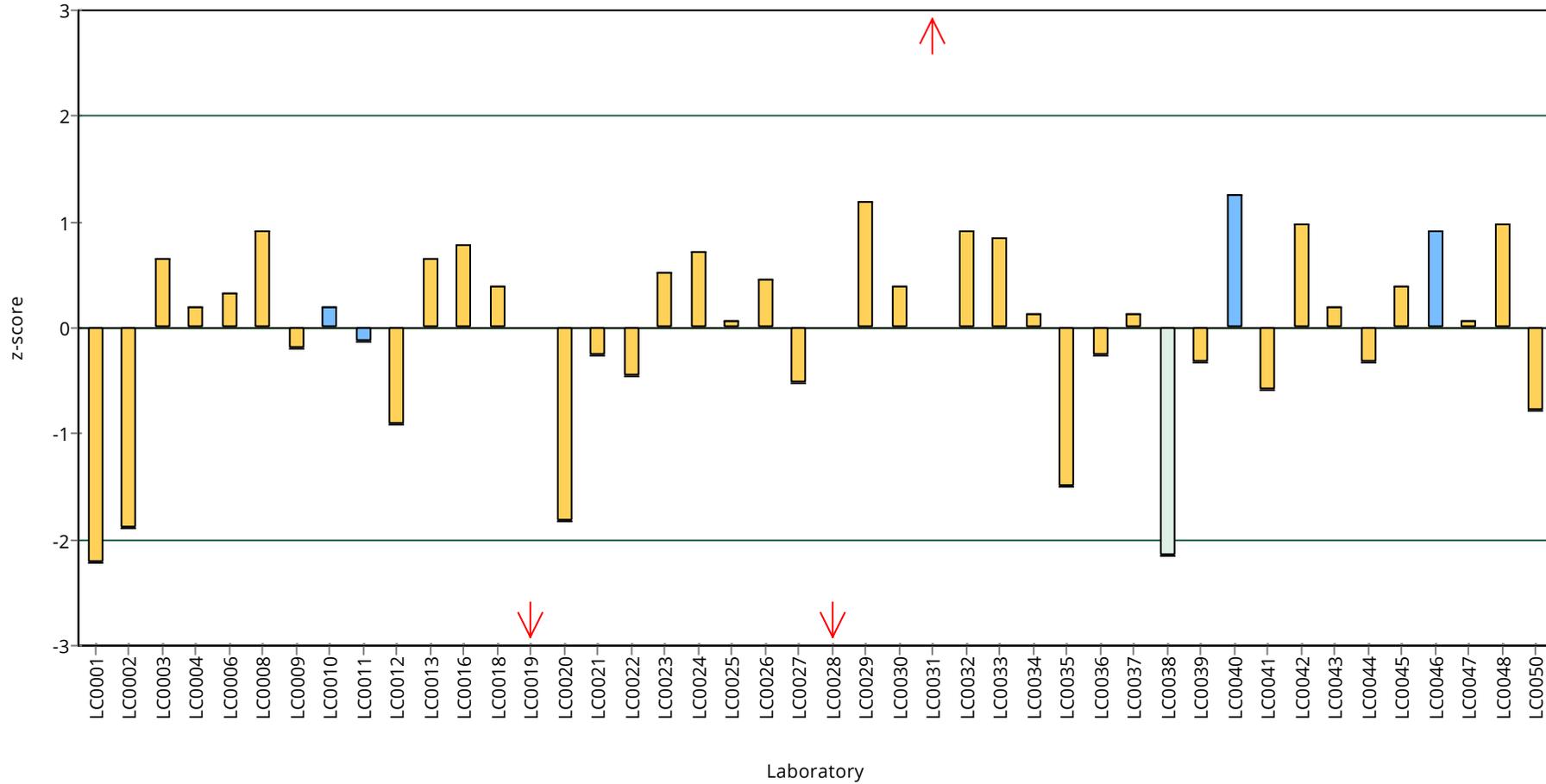
Results



Recovery rate



z-score



Parameter oriented report

N180 B

El. conductivity (25°C)

Unit	µS/cm
Assigned value ± U (k=2)	571 ± 1.88
Criterion	7.42 (1.3 %)
Minimum - Maximum	555 - 586
Control test value ± U (k=2)	574 ± 28.7

Labcode	Result ± U	Recovery [%]	z-Score	Comments
LC0001	562 ± 2.082	98.5	-1.16	
LC0002	555 ± 11	97.3	-2.1	
LC0003	573 ± 11	100	0.33	
LC0004	571 ± 0.23	100	0.06	
LC0005	- ± -	-	-	
LC0006	571 ± 17.1	100	0.06	
LC0007	- ± -	-	-	
LC0008	575 ± 14.375	101	0.6	
LC0009	570 ± 71	99.9	-0.08	
LC0010	574 ± 17	101	0.46	
LC0011	569 ± 0.71	99.7	-0.21	
LC0012	546 ± 9	95.7	-3.31	H
LC0013	573 ± 10	100	0.33	
LC0014	578 ± 8.09	101	1	
LC0015	- ± -	-	-	
LC0016	570 ± 29	99.9	-0.08	
LC0017	- ± -	-	-	
LC0018	573 ± 23	100	0.33	
LC0019	578.09 ± 28.905	101	1.01	
LC0020	561 ± 30	98.3	-1.29	
LC0021	576 ± 28.8	101	0.73	
LC0022	566 ± 31.13	99.2	-0.62	
LC0023	571 ± 17	100	0.06	
LC0024	574 ± 6	101	0.46	
LC0025	570 ± 17	99.9	-0.08	
LC0026	575 ± 2	101	0.6	
LC0027	570 ± 7.41	99.9	-0.08	
LC0028	568 ± 85.2	99.5	-0.35	
LC0029	575 ± 57.5	101	0.6	
LC0030	572 ± 29	100	0.19	
LC0031	586.4 ± 29.32	103	2.13	
LC0032	574.9 ± 19.7	101	0.58	
LC0033	574 ± 9.2	101	0.46	
LC0034	568 ± 12	99.5	-0.35	
LC0035	557 ± 0.481	97.6	-1.83	
LC0036	567 ± 17	99.4	-0.48	
LC0037	573 ± 7.1	100	0.33	
LC0038	556 ± 28	97.4	-1.97	
LC0039	567 ± 39.7	99.4	-0.48	
LC0040	576 ± 29	101	0.73	
LC0041	566 ± 57	99.2	-0.62	

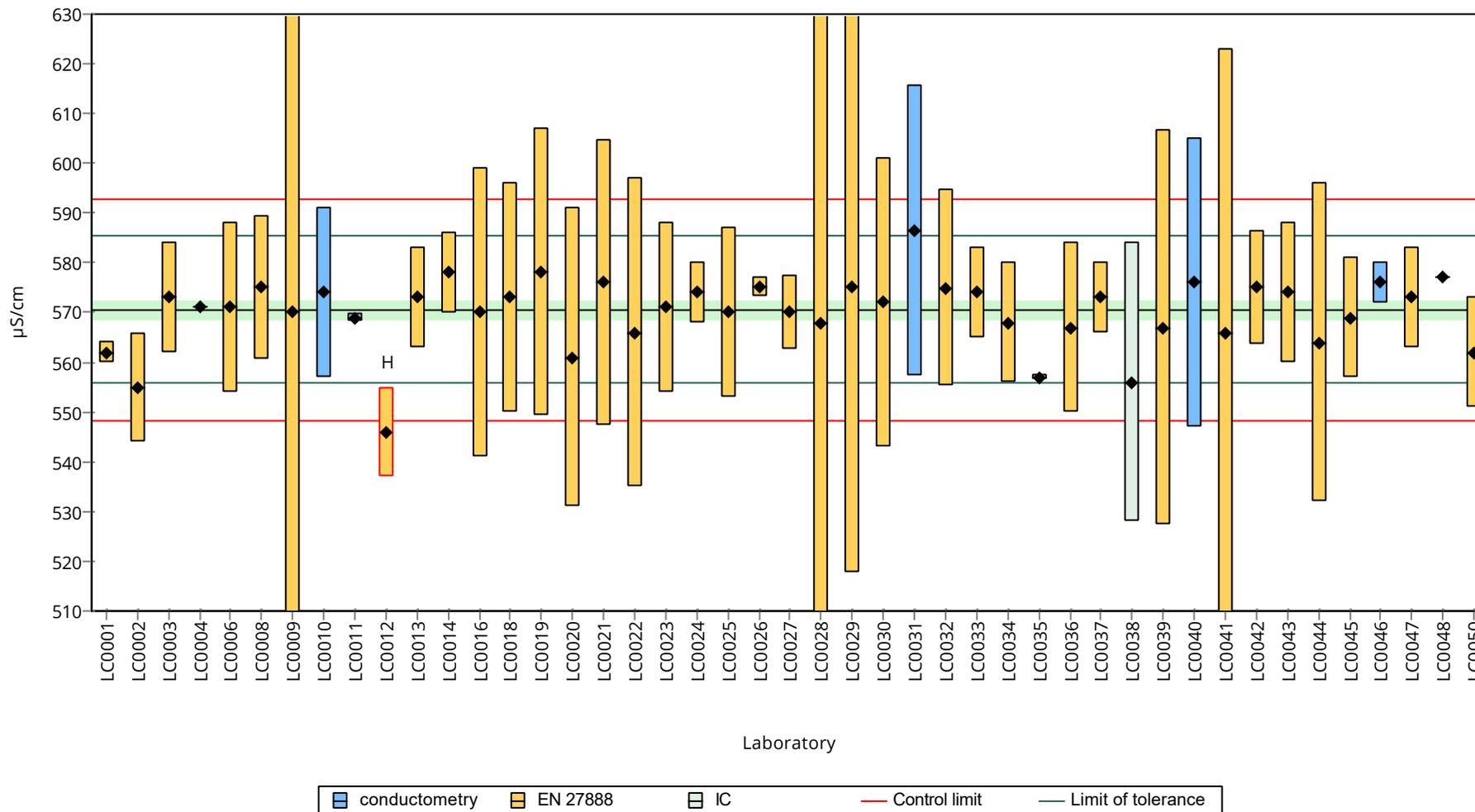
Labcode	Result ± U	Recovery [%]	z-Score	Comments
LC0042	575 ± 11.5	101	0.6	
LC0043	574 ± 14.1	101	0.46	
LC0044	564 ± 32	98.8	-0.89	
LC0045	569 ± 12	99.7	-0.21	
LC0046	576 ± 4.1	101	0.73	
LC0047	573 ± 10	100	0.33	
LC0048	577 ± 0.001	101	0.87	
LC0049	- ± -	-	-	
LC0050	562 ± 11.2	98.5	-1.16	

Characteristics of parameter

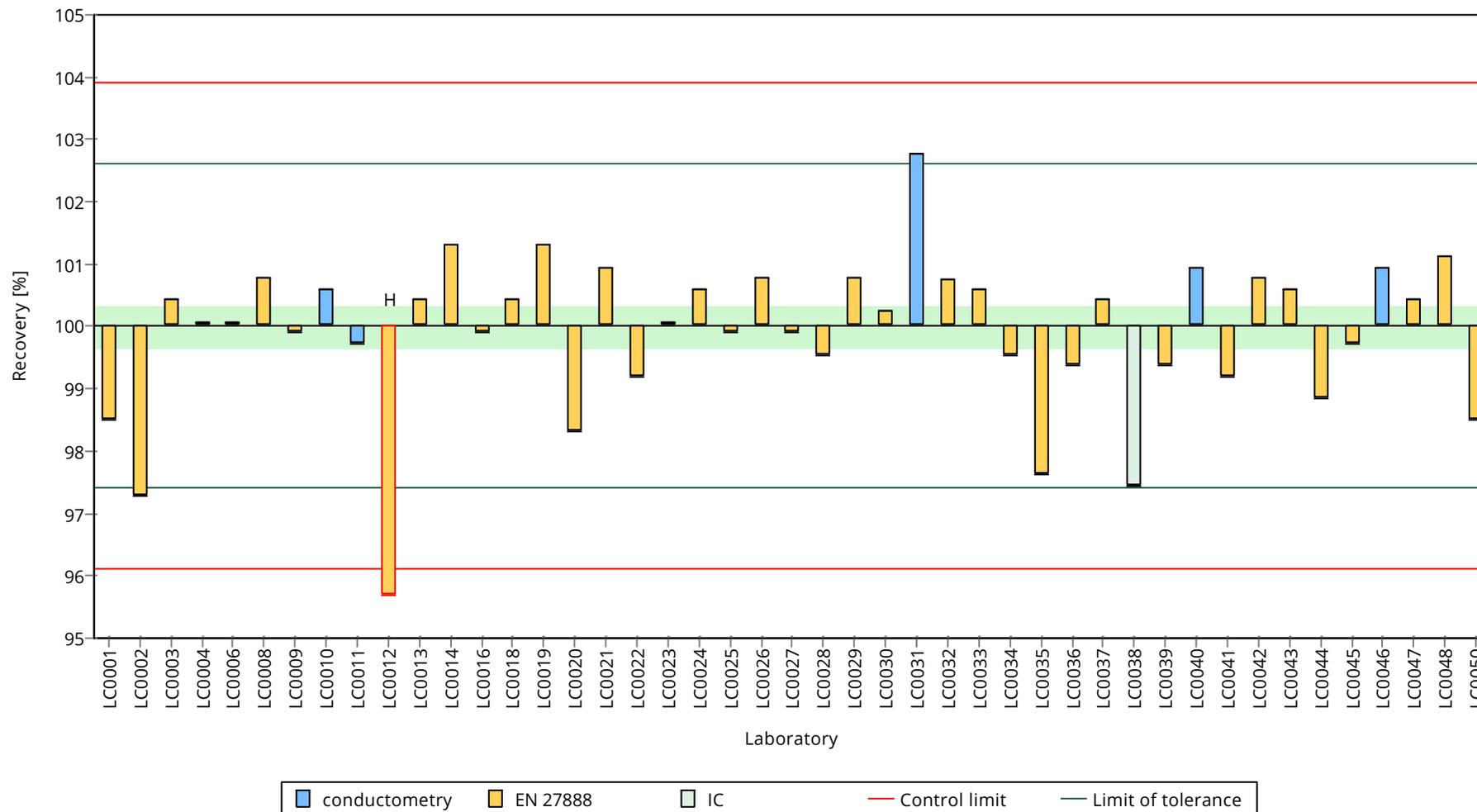
	all results	without outliers	Unit
Mean ± CI (99%)	570 ± 3.21	571 ± 2.82	µS/cm
Minimum	546	555	µS/cm
Maximum	586	586	µS/cm
Standard deviation	7.18	6.24	µS/cm
rel. standard deviation	1.26	1.09	%
n	45	44	-

Graphical presentation of results

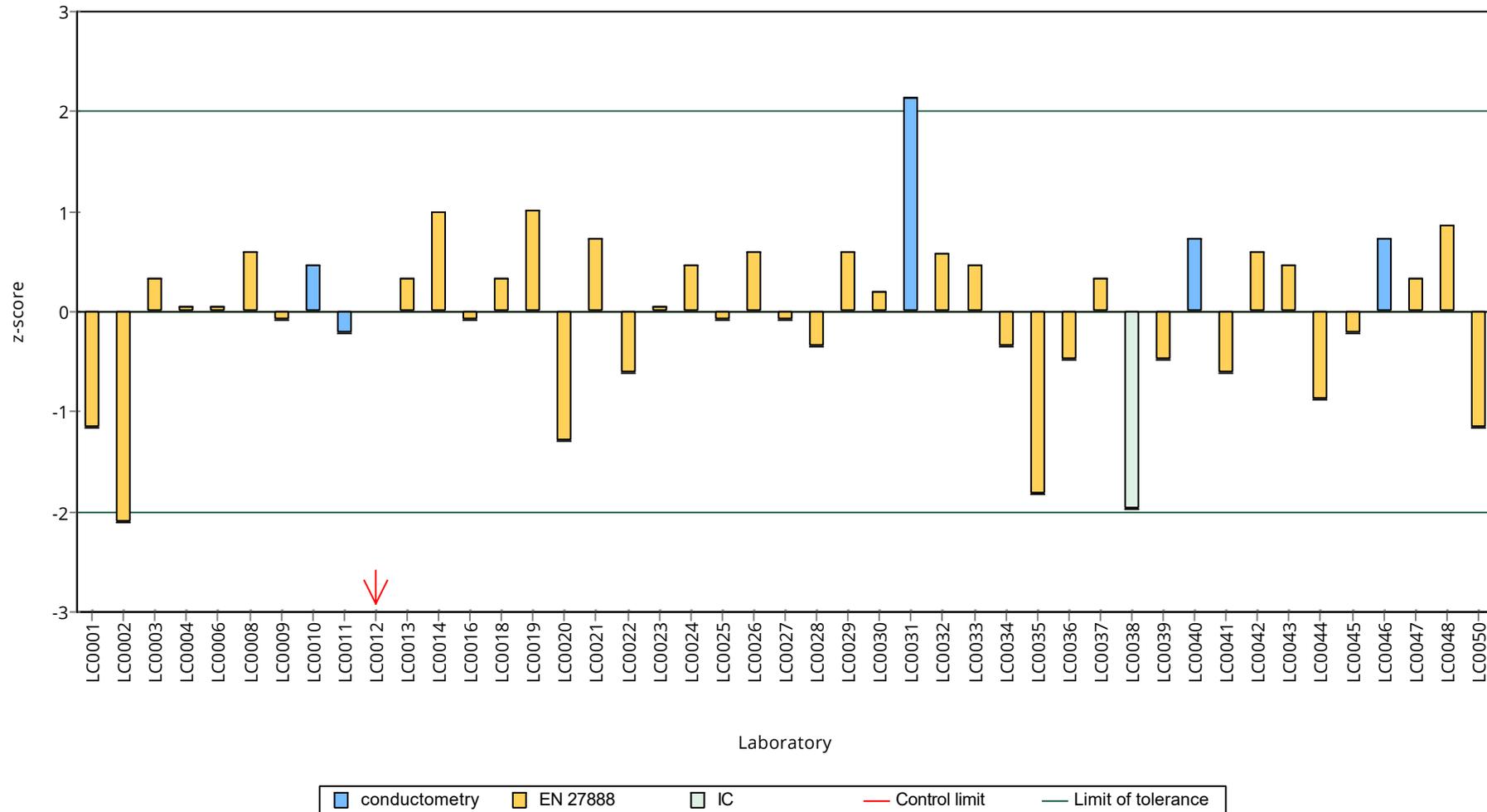
Results



Recovery rate



z-Score



Parameter oriented report

N180 A

Hydrogen carbonate

Unit	mg/l
Assigned value \pm U (k=2)	445 \pm 1.63
Criterion	8.9 (2 %)
Minimum - Maximum	438 - 454
Control test value \pm U (k=2)	430 \pm 43

Labcode	Result \pm U	Recovery [%]	z-Score	Comments
LC0001	451 \pm 0.001	101	0.65	
LC0002	- \pm -	-	-	
LC0003	- \pm -	-	-	
LC0004	445 \pm 8.9	100	-0.02	
LC0005	- \pm -	-	-	
LC0006	416.1 \pm 8.3	93.5	-3.27	H
LC0007	- \pm -	-	-	
LC0008	446.3 \pm 8.926	100	0.12	
LC0009	446 \pm 56	100	0.09	
LC0010	443 \pm 6.7	99.5	-0.25	
LC0011	- \pm -	-	-	
LC0012	439 \pm 21.95	98.6	-0.7	
LC0013	- \pm -	-	-	
LC0014	- \pm -	-	-	
LC0015	- \pm -	-	-	
LC0016	- \pm -	-	-	
LC0017	- \pm -	-	-	
LC0018	444 \pm 18	99.7	-0.13	
LC0019	441.27 \pm 33.095	99.1	-0.44	
LC0020	443.5 \pm 12.24	99.6	-0.19	
LC0021	- \pm -	-	-	
LC0022	454 \pm 24.97	102	0.99	
LC0023	443.6 \pm 0.8	99.6	-0.18	
LC0024	- \pm -	-	-	
LC0025	447 \pm 36	100	0.2	
LC0026	452.3 \pm 6.1	102	0.8	
LC0027	451.4 \pm 54.2	101	0.7	
LC0028	- \pm -	-	-	
LC0029	438.7 \pm 65.81	98.5	-0.73	
LC0030	- \pm -	-	-	
LC0031	- \pm -	-	-	
LC0032	446.7 \pm 17.3	100	0.17	
LC0033	446 \pm 18.3	100	0.09	
LC0034	445.4 \pm 12.1	100	0.02	
LC0035	421.04 \pm 1.526	94.6	-2.71	H
LC0036	438 \pm 35	98.4	-0.81	
LC0037	445.7 \pm 4.46	100	0.06	
LC0038	- \pm -	-	-	
LC0039	445.9 \pm 31.2	100	0.08	
LC0040	- \pm -	-	-	
LC0041	446 \pm 45	100	0.09	

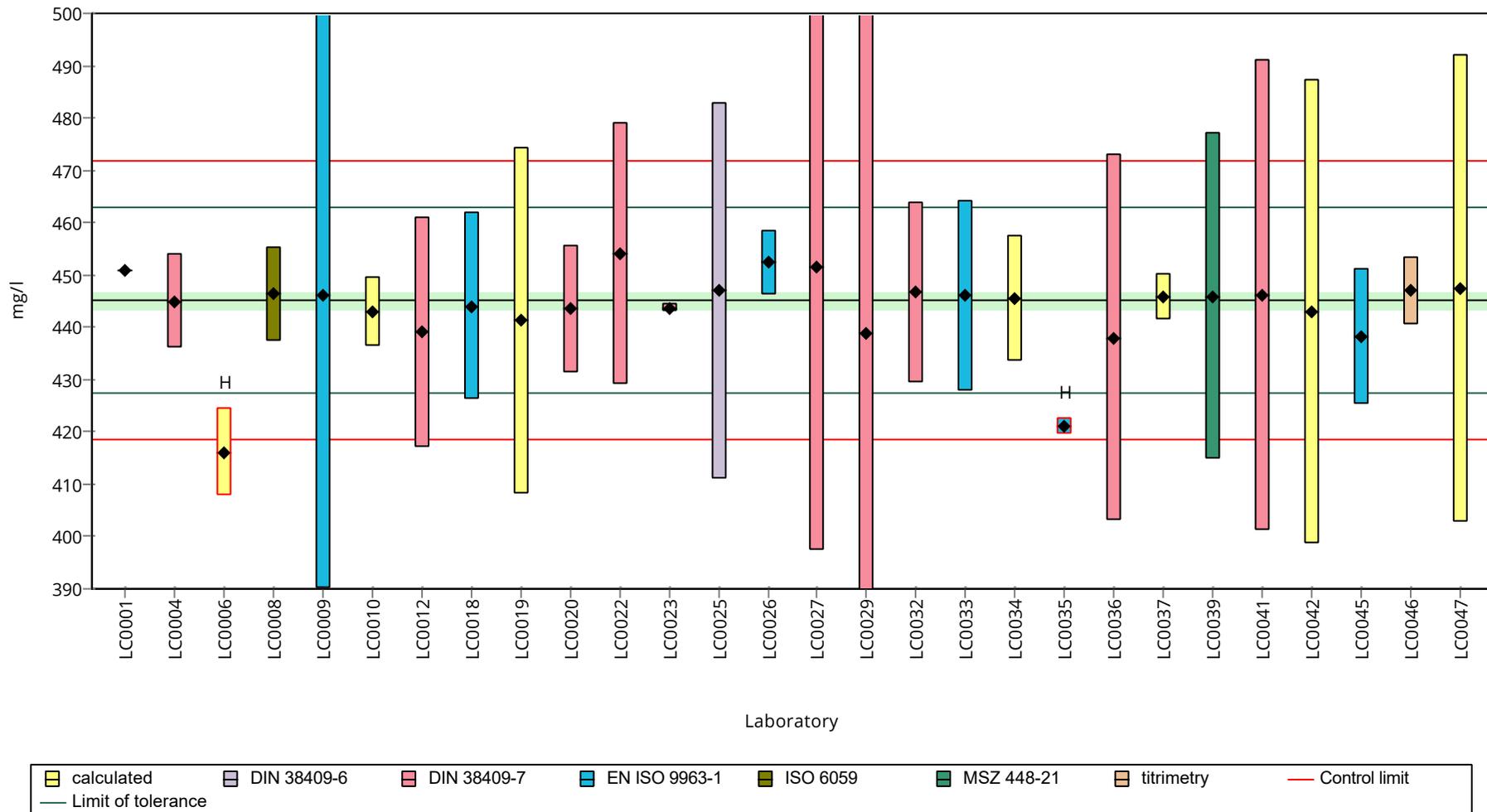
Labcode	Result \pm U	Recovery [%]	z-Score	Comments
LC0042	443 \pm 44.3	99.5	-0.25	
LC0043	- \pm -	-	-	
LC0044	- \pm -	-	-	
LC0045	438.09 \pm 13	98.4	-0.8	
LC0046	447 \pm 6.5	100	0.2	
LC0047	447.3 \pm 44.7	100	0.24	
LC0048	- \pm -	-	-	
LC0049	- \pm -	-	-	
LC0050	- \pm -	-	-	

Characteristics of parameter

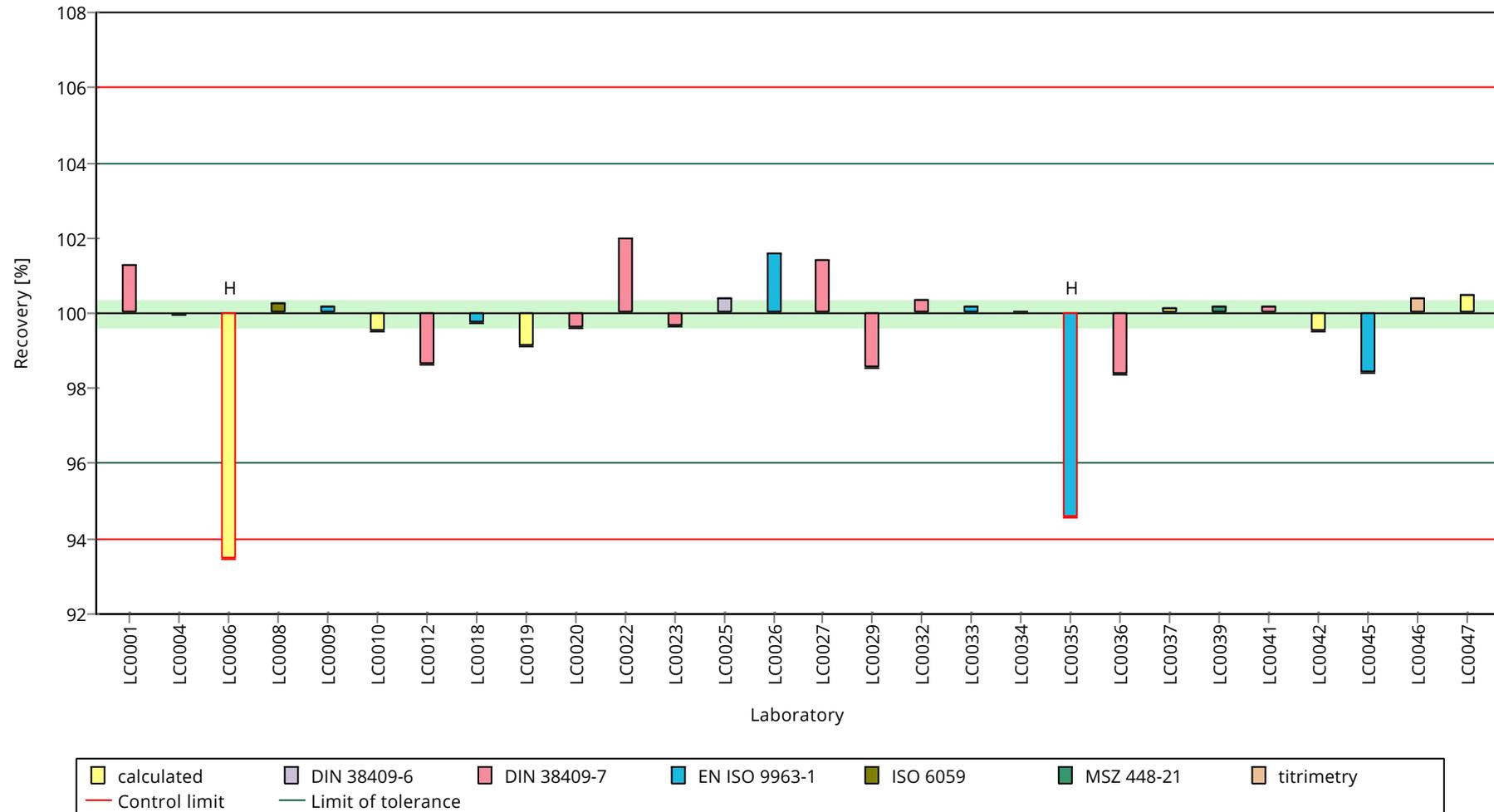
	all results	without outliers	Unit
Mean \pm CI (99%)	443 \pm 4.58	445 \pm 2.45	mg/l
Minimum	416	438	mg/l
Maximum	454	454	mg/l
Standard deviation	8.08	4.16	mg/l
rel. standard deviation	1.82	0.934	%
n	28	26	-

Graphical presentation of results

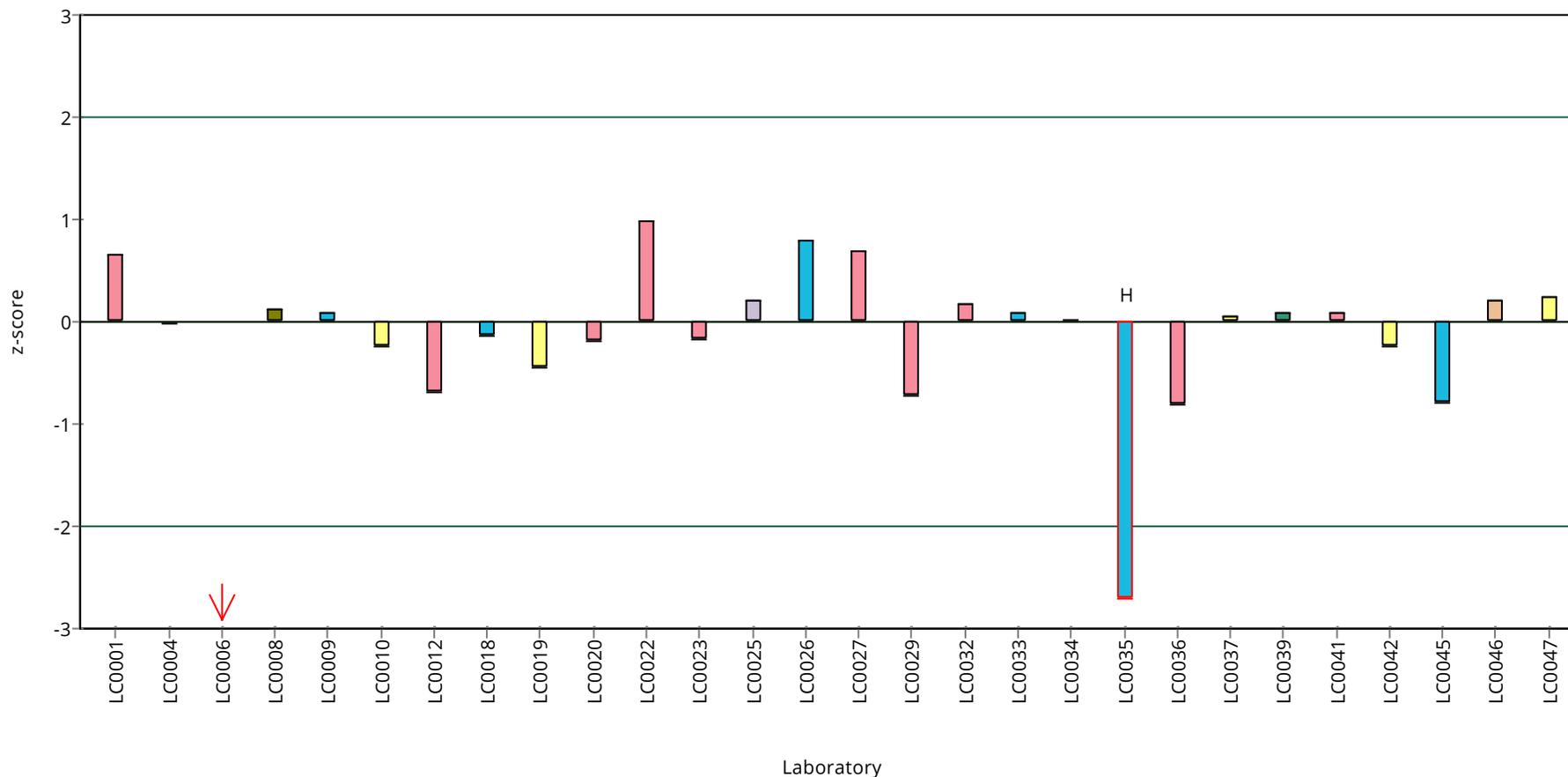
Results



Recovery rate



z-Score



Parameter oriented report

N180 B

Hydrogen carbonate

Unit	mg/l
Assigned value \pm U (k=2)	211 \pm 1.2
Criterion	4.22 (2 %)
Minimum - Maximum	205 - 216
Control test value \pm U (k=2)	203 \pm 20.3

Labcode	Result \pm U	Recovery [%]	z-Score	Comments
LC0001	215 \pm 0.001	102	0.92	
LC0002	- \pm -	-	-	
LC0003	- \pm -	-	-	
LC0004	210 \pm 4.2	99.5	-0.26	
LC0005	- \pm -	-	-	
LC0006	180 \pm 3.6	85.3	-7.37	H
LC0007	- \pm -	-	-	
LC0008	211.4 \pm 4.228	100	0.07	
LC0009	211 \pm 26.3	100	-0.02	
LC0010	215 \pm 3.2	102	0.92	
LC0011	- \pm -	-	-	
LC0012	205 \pm 10.25	97.1	-1.44	
LC0013	- \pm -	-	-	
LC0014	- \pm -	-	-	
LC0015	- \pm -	-	-	
LC0016	- \pm -	-	-	
LC0017	- \pm -	-	-	
LC0018	210 \pm 9	99.5	-0.26	
LC0019	210.69 \pm 15.802	99.8	-0.1	
LC0020	206.5 \pm 5.7	97.8	-1.09	
LC0021	- \pm -	-	-	
LC0022	215 \pm 12.04	102	0.92	
LC0023	209.7 \pm 0.8	99.3	-0.33	
LC0024	- \pm -	-	-	
LC0025	213 \pm 17.1	101	0.45	
LC0026	215 \pm 6.1	102	0.92	
LC0027	215.9 \pm 25.9	102	1.14	
LC0028	- \pm -	-	-	
LC0029	208.7 \pm 31.3	98.9	-0.57	
LC0030	- \pm -	-	-	
LC0031	- \pm -	-	-	
LC0032	211.3 \pm 8.21	100	0.05	
LC0033	216 \pm 8.9	102	1.16	
LC0034	211.9 \pm 6.2	100	0.19	
LC0035	198.32 \pm 0.0005	93.9	-3.03	H
LC0036	210 \pm 17	99.5	-0.26	
LC0037	211 \pm 2.11	100	-0.02	
LC0038	- \pm -	-	-	
LC0039	206.8 \pm 14.5	98	-1.02	
LC0040	- \pm -	-	-	
LC0041	209 \pm 42	99	-0.5	

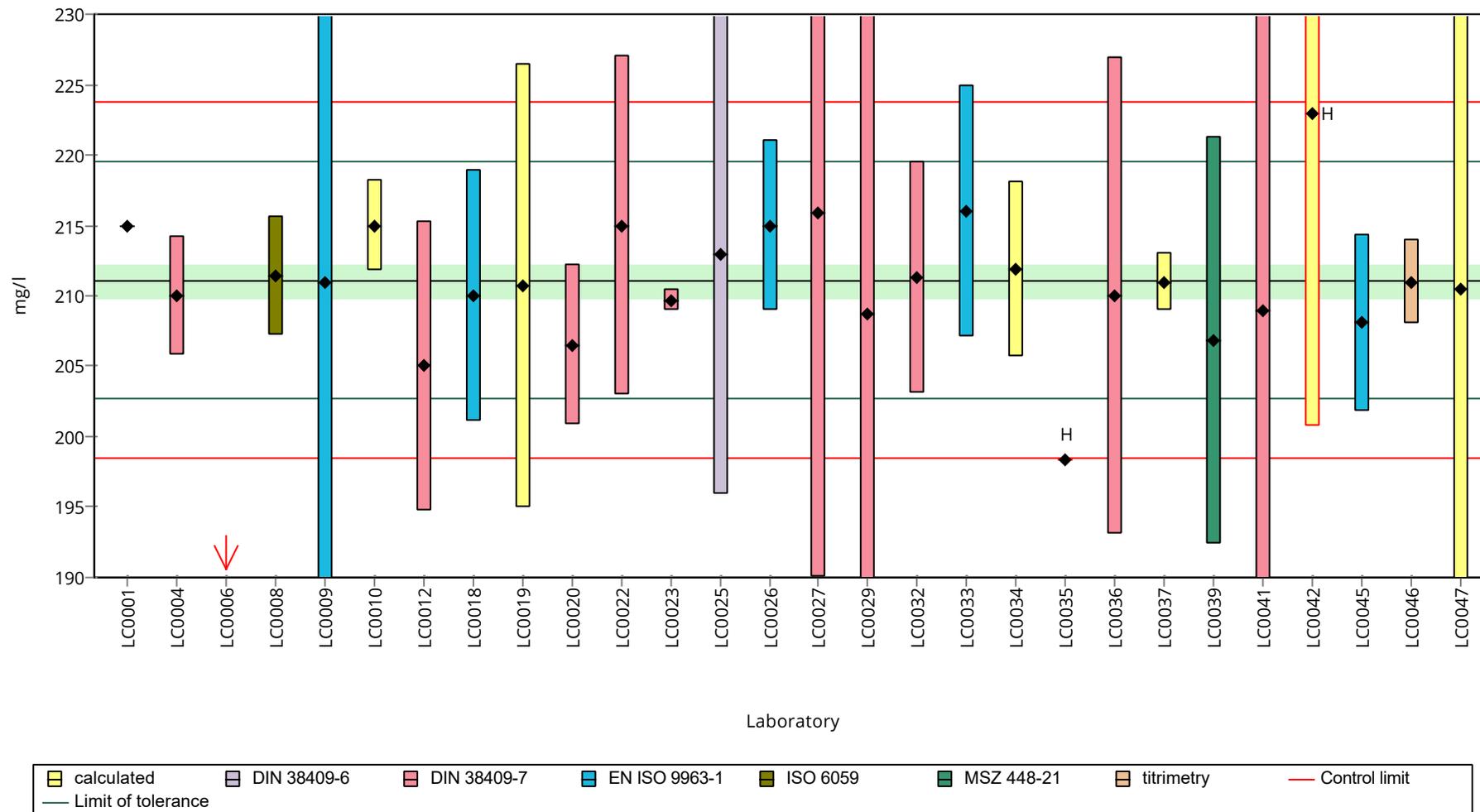
Labcode	Result \pm U	Recovery [%]	z-Score	Comments
LC0042	223 \pm 22.3	106	2.82	H
LC0043	- \pm -	-	-	
LC0044	- \pm -	-	-	
LC0045	208.06 \pm 6.3	98.6	-0.72	
LC0046	211 \pm 3	100	-0.02	
LC0047	210.5 \pm 21.1	99.7	-0.14	
LC0048	- \pm -	-	-	
LC0049	- \pm -	-	-	
LC0050	- \pm -	-	-	

Characteristics of parameter

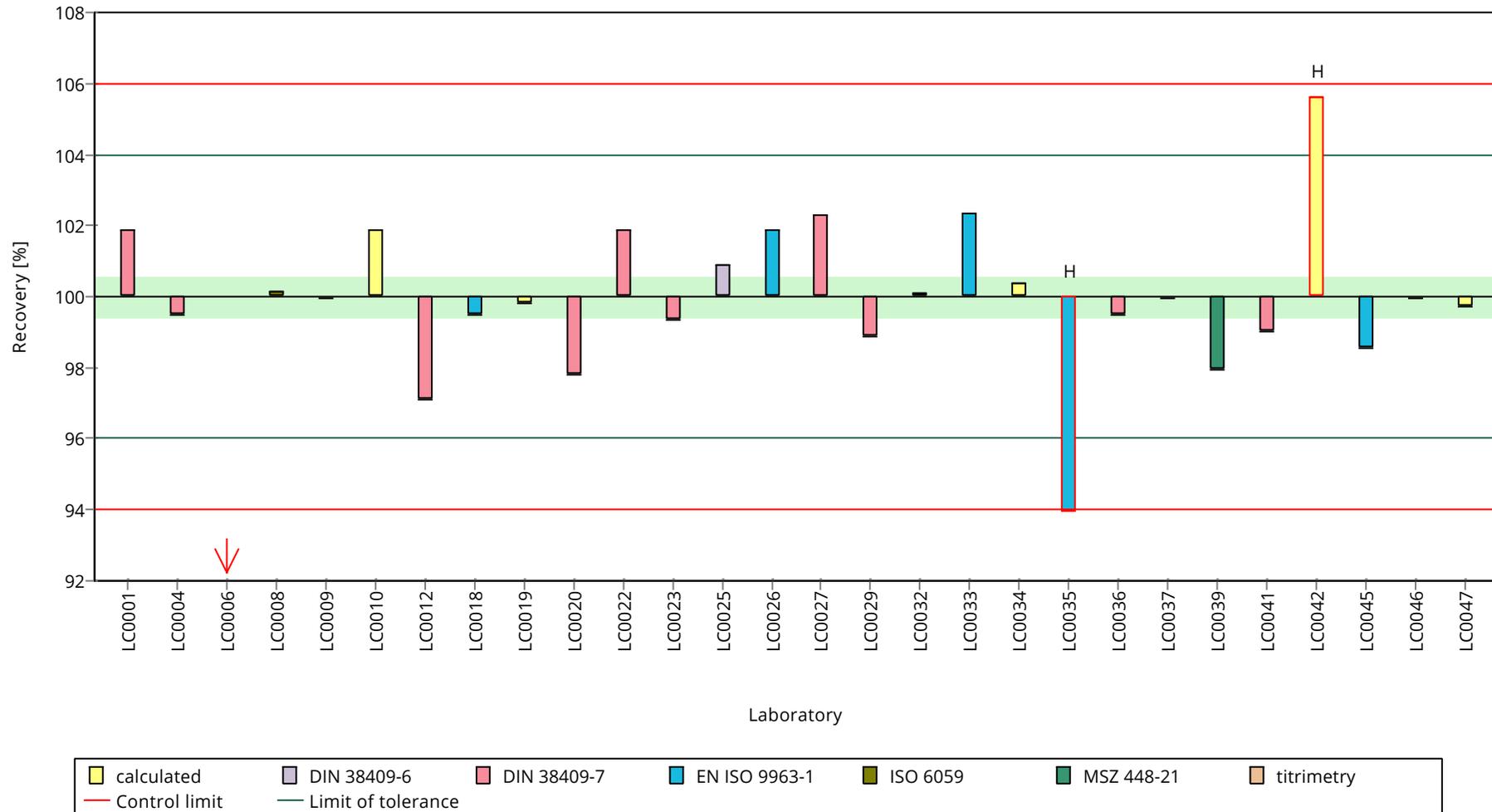
	all results	without outliers	Unit
Mean \pm CI (99%)	210 \pm 4.16	211 \pm 1.79	mg/l
Minimum	180	205	mg/l
Maximum	223	216	mg/l
Standard deviation	7.33	2.99	mg/l
rel. standard deviation	3.49	1.42	%
n	28	25	-

Graphical presentation of results

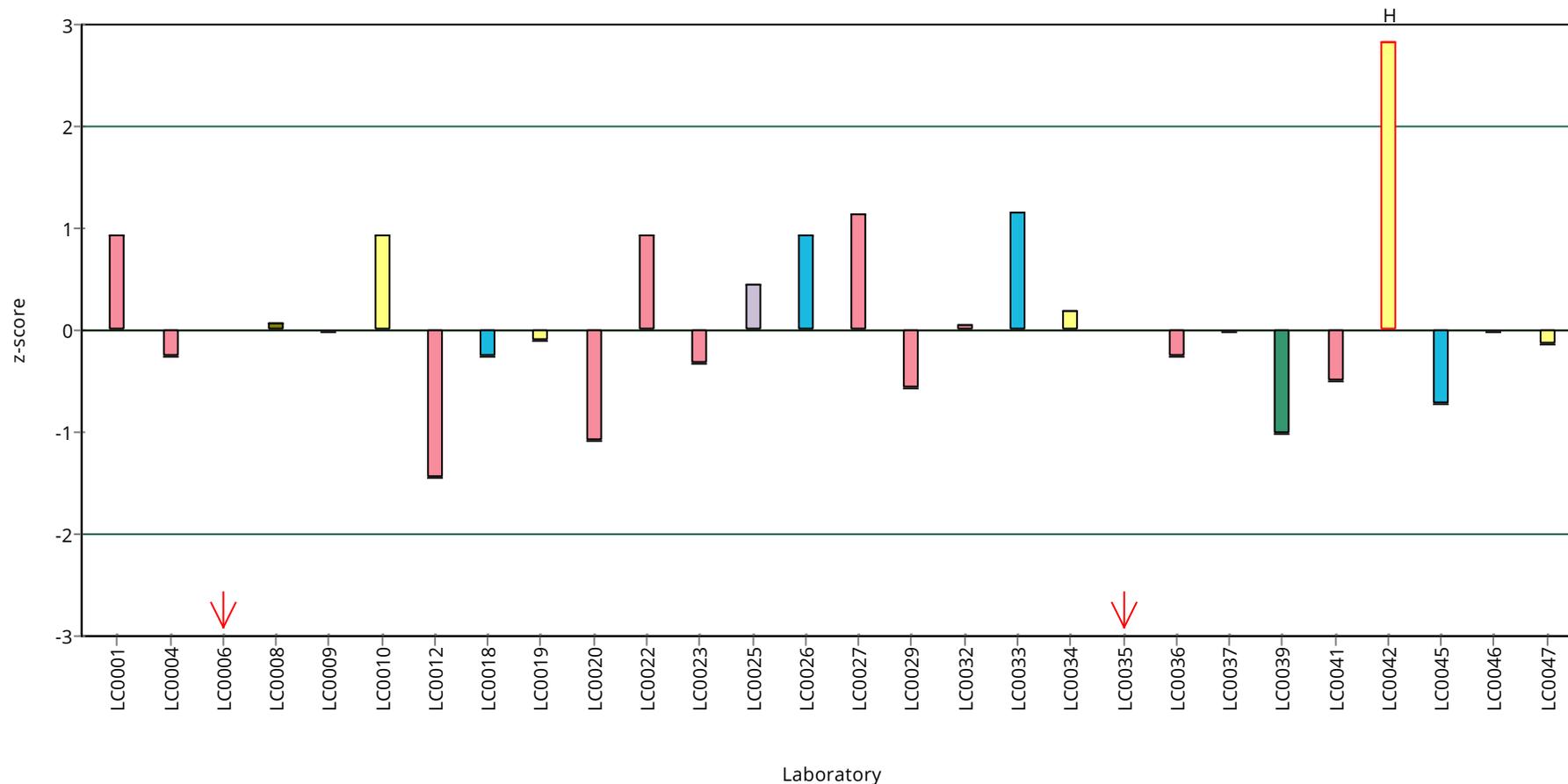
Results



Recovery rate



z-Score



Parameter oriented report

N180 A

Magnesium

Unit	mg/l
Assigned value ± U (k=2)	39.8 ± 0.541
Criterion	1.59 (4 %)
Minimum - Maximum	35.6 - 44.2
Control test value ± U (k=2)	37.5 ± 5.62

Labcode	Result ± U	Recovery [%]	z-Score	Comments
LC0001	39.9 ± 0.306	100	0.08	
LC0002	41 ± 3.48	103	0.77	
LC0003	- ± -	-	-	
LC0004	39.1 ± 0.372	98.3	-0.42	
LC0005	- ± -	-	-	
LC0006	39.1 ± 1.2	98.3	-0.42	
LC0007	- ± -	-	-	
LC0008	39.02 ± 0.74138	98.1	-0.47	
LC0009	42 ± 6.3	106	1.4	
LC0010	42 ± 3.1	106	1.4	
LC0011	38.496 ± 0.079	96.8	-0.8	
LC0012	38.6 ± 1.93	97.1	-0.73	
LC0013	41 ± 2.1	103	0.77	
LC0014	- ± -	-	-	
LC0015	38.6 ± 1.8	97.1	-0.73	
LC0016	- ± -	-	-	
LC0017	- ± -	-	-	
LC0018	40 ± 5	101	0.15	
LC0019	39.18 ± 1.959	98.5	-0.37	
LC0020	- ± -	-	-	
LC0021	- ± -	-	-	
LC0022	40.58 ± 1.42	102	0.51	
LC0023	39.8 ± 2.3	100	0.02	
LC0024	- ± -	-	-	
LC0025	39.5 ± 3.2	99.3	-0.17	
LC0026	39.08 ± 0.2	98.3	-0.43	
LC0027	40.19 ± 3.56	101	0.26	
LC0028	41.1 ± 4.1	103	0.84	
LC0029	39.95 ± 3.995	100	0.11	
LC0030	- ± -	-	-	
LC0031	38.09 ± 0.53	95.8	-1.06	
LC0032	38.8 ± 4.11	97.6	-0.61	
LC0033	40.4 ± 2.4	102	0.4	
LC0034	38.5 ± 1.1	96.8	-0.8	
LC0035	36.57 ± 0.813	92	-2.01	
LC0036	38 ± 4.6	95.6	-1.11	
LC0037	41.87 ± 1.97	105	1.32	
LC0038	44.2 ± 2.2	111	2.79	
LC0039	35.63 ± 2.56	89.6	-2.6	
LC0040	- ± -	-	-	
LC0041	39.5 ± 7.9	99.3	-0.17	

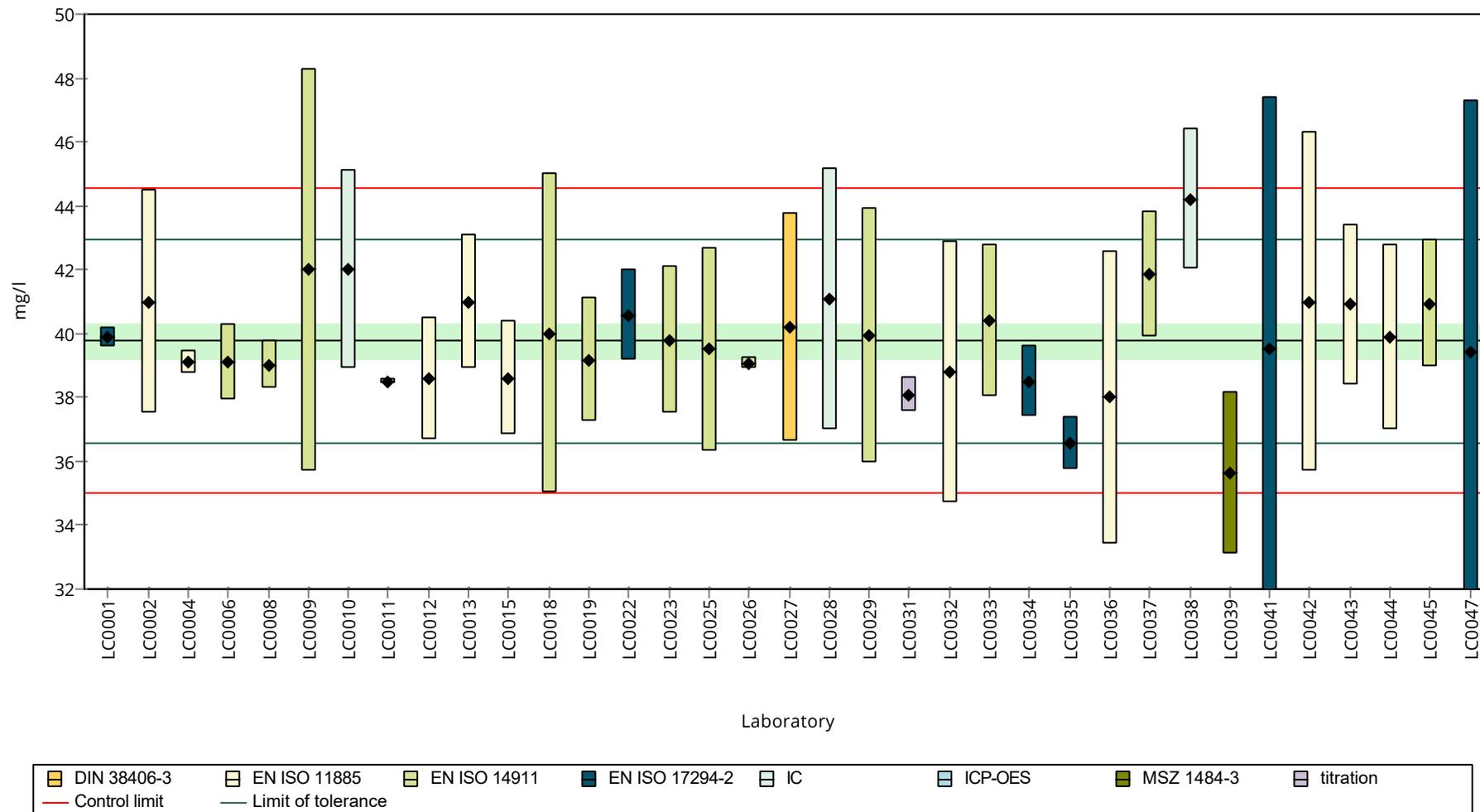
Labcode	Result \pm U	Recovery [%]	z-Score	Comments
LC0042	41 \pm 5.329	103	0.77	
LC0043	40.9 \pm 2.52	103	0.71	
LC0044	39.9 \pm 2.9	100	0.08	
LC0045	40.94 \pm 2	103	0.74	
LC0046	- \pm -	-	-	
LC0047	39.4 \pm 7.9	99.1	-0.23	
LC0048	- \pm -	-	-	
LC0049	- \pm -	-	-	
LC0050	- \pm -	-	-	

Characteristics of parameter

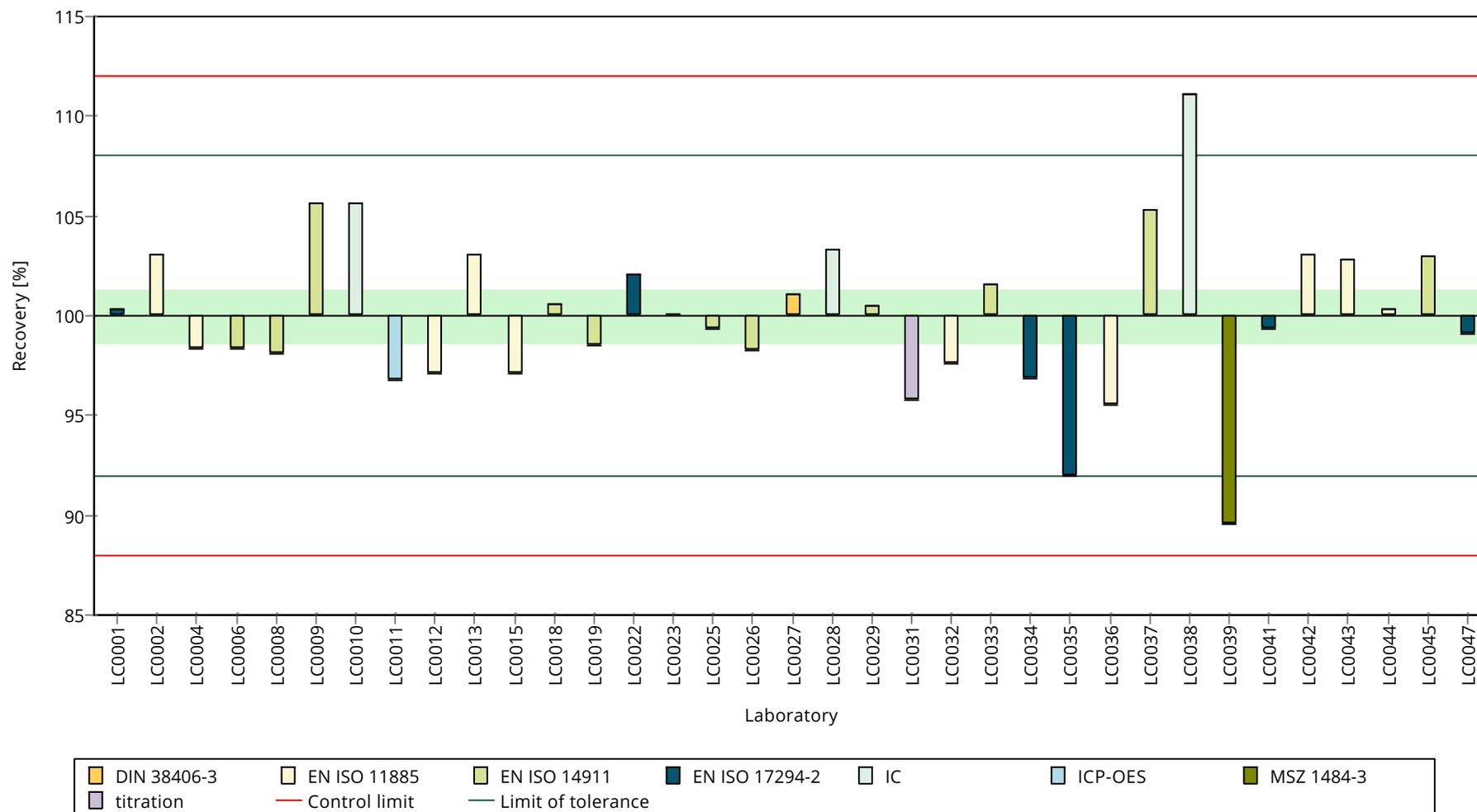
	all results	without outliers	Unit
Mean \pm CI (99%)	39.8 \pm 0.812	39.8 \pm 0.812	mg/l
Minimum	35.6	35.6	mg/l
Maximum	44.2	44.2	mg/l
Standard deviation	1.6	1.6	mg/l
rel. standard deviation	4.02	4.02	%
n	35	35	-

Graphical presentation of results

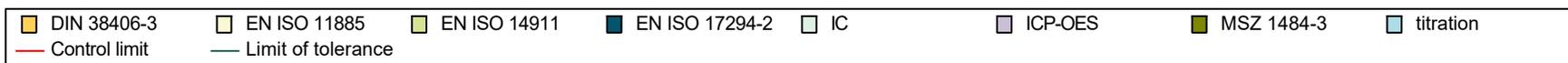
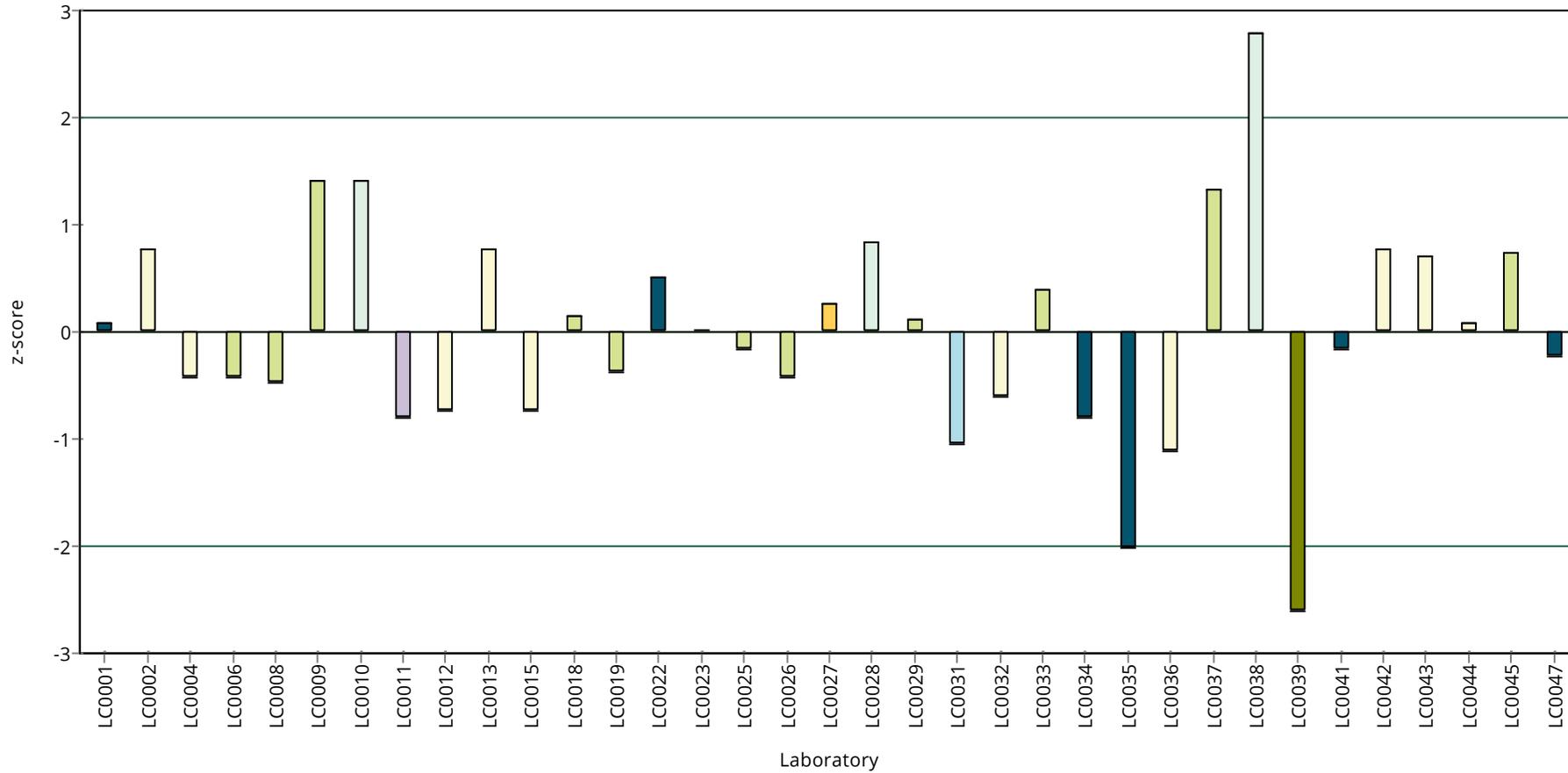
Results



Recovery rate



z-Score



Parameter oriented report

N180 B

Magnesium

Unit	mg/l
Assigned value ± U (k=2)	15.8 ± 0.174
Criterion	0.632 (4 %)
Minimum - Maximum	14.6 - 16.6
Control test value ± U (k=2)	13.1 ± 1.96

Labcode	Result ± U	Recovery [%]	z-Score	Comments
LC0001	16.6 ± 0.058	105	1.27	
LC0002	16.5 ± 1.4	104	1.11	
LC0003	- ± -	-	-	
LC0004	15.5 ± 0.411	98.1	-0.47	
LC0005	- ± -	-	-	
LC0006	15.8 ± 0.49	100	0.00	
LC0007	- ± -	-	-	
LC0008	15.55 ± 0.29545	98.4	-0.39	
LC0009	16.6 ± 2.49	105	1.27	
LC0010	16.5 ± 1.2	104	1.11	
LC0011	15.123 ± 0.026	95.7	-1.07	
LC0012	15.6 ± 0.78	98.7	-0.31	
LC0013	16.3 ± 0.8	103	0.8	
LC0014	- ± -	-	-	
LC0015	16.1 ± 0.75	102	0.48	
LC0016	- ± -	-	-	
LC0017	- ± -	-	-	
LC0018	15.7 ± 1.9	99.4	-0.15	
LC0019	15.49 ± 0.775	98.1	-0.49	
LC0020	- ± -	-	-	
LC0021	- ± -	-	-	
LC0022	16.16 ± 0.57	102	0.57	
LC0023	15.4 ± 0.9	97.5	-0.63	
LC0024	- ± -	-	-	
LC0025	15.6 ± 0.21	98.7	-0.31	
LC0026	15.41 ± 0.2	97.5	-0.61	
LC0027	15.74 ± 1.39	99.6	-0.09	
LC0028	16.5 ± 1.7	104	1.11	
LC0029	15.53 ± 1.553	98.3	-0.42	
LC0030	- ± -	-	-	
LC0031	17.98 ± 0.25	114	3.45	H
LC0032	15.1 ± 1.63	95.6	-1.1	
LC0033	15.9 ± 0.95	101	0.16	
LC0034	15.4 ± 0.5	97.5	-0.63	
LC0035	15.5 ± 0.094	98.1	-0.47	
LC0036	15.3 ± 1.8	96.9	-0.79	
LC0037	16.39 ± 0.77	104	0.94	
LC0038	10.3 ± 0.5	65.2	-8.7	H
LC0039	14.57 ± 1.02	92.2	-1.94	
LC0040	- ± -	-	-	
LC0041	15.5 ± 3.1	98.1	-0.47	

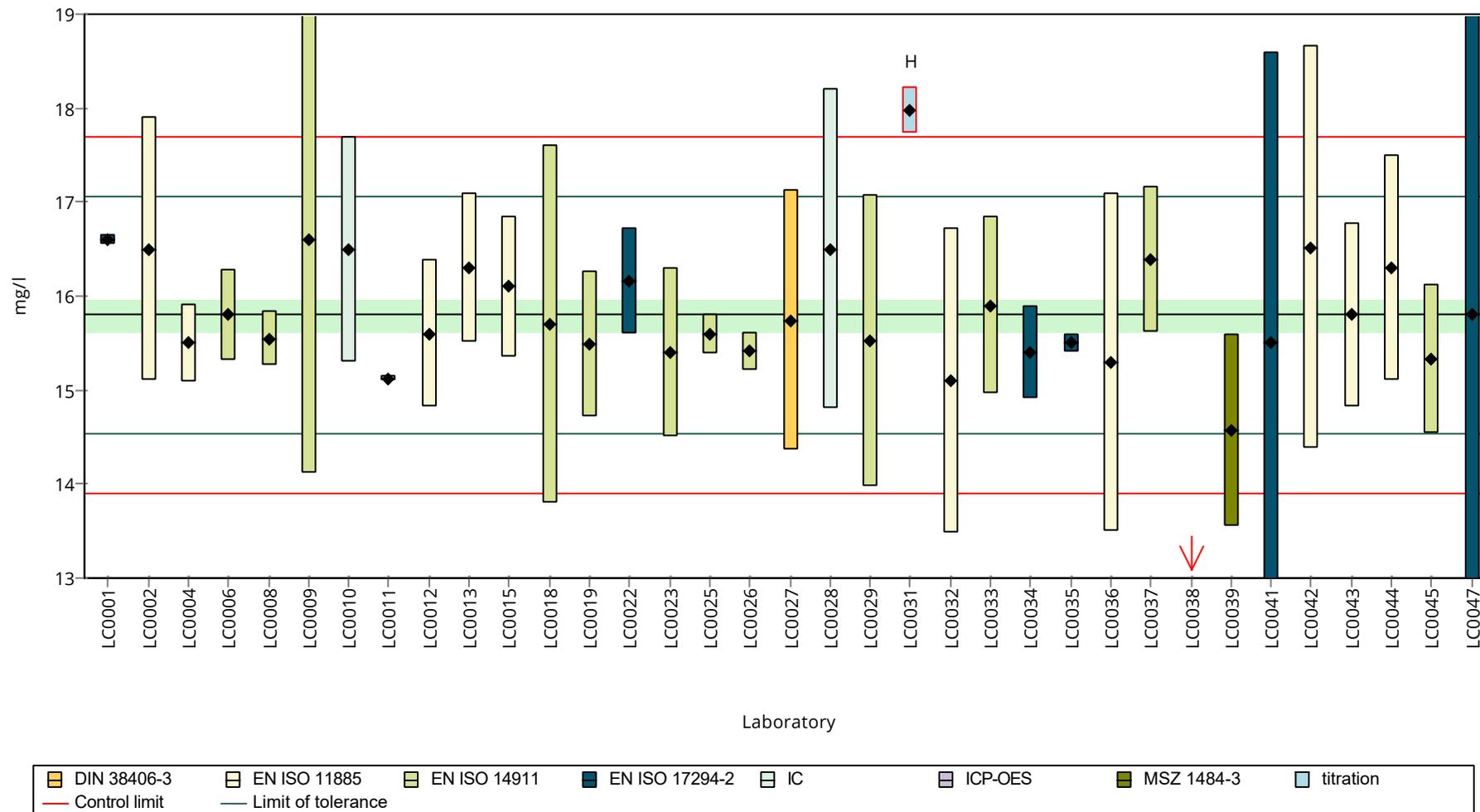
Labcode	Result \pm U	Recovery [%]	z-Score	Comments
LC0042	16.52 \pm 2.148	105	1.14	
LC0043	15.8 \pm 0.975	100	0.00	
LC0044	16.3 \pm 1.2	103	0.8	
LC0045	15.33 \pm 0.8	97	-0.74	
LC0046	- \pm -	-	-	
LC0047	15.8 \pm 3.2	100	0.00	
LC0048	- \pm -	-	-	
LC0049	- \pm -	-	-	
LC0050	- \pm -	-	-	

Characteristics of parameter

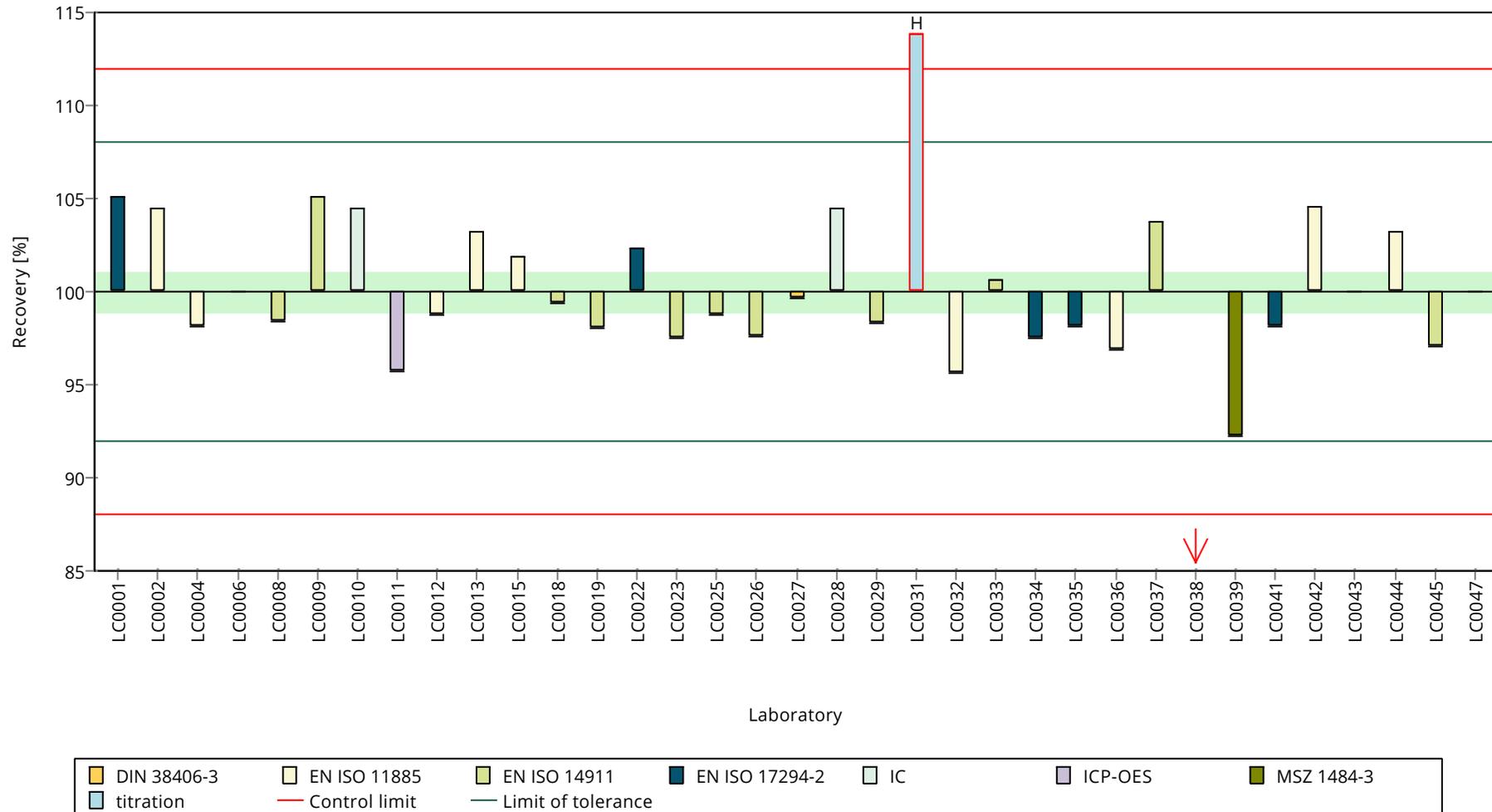
	all results	without outliers	Unit
Mean \pm CI (99%)	15.7 \pm 0.57	15.8 \pm 0.267	mg/l
Minimum	10.3	14.6	mg/l
Maximum	18	16.6	mg/l
Standard deviation	1.12	0.511	mg/l
rel. standard deviation	7.16	3.23	%
n	35	33	-

Graphical presentation of results

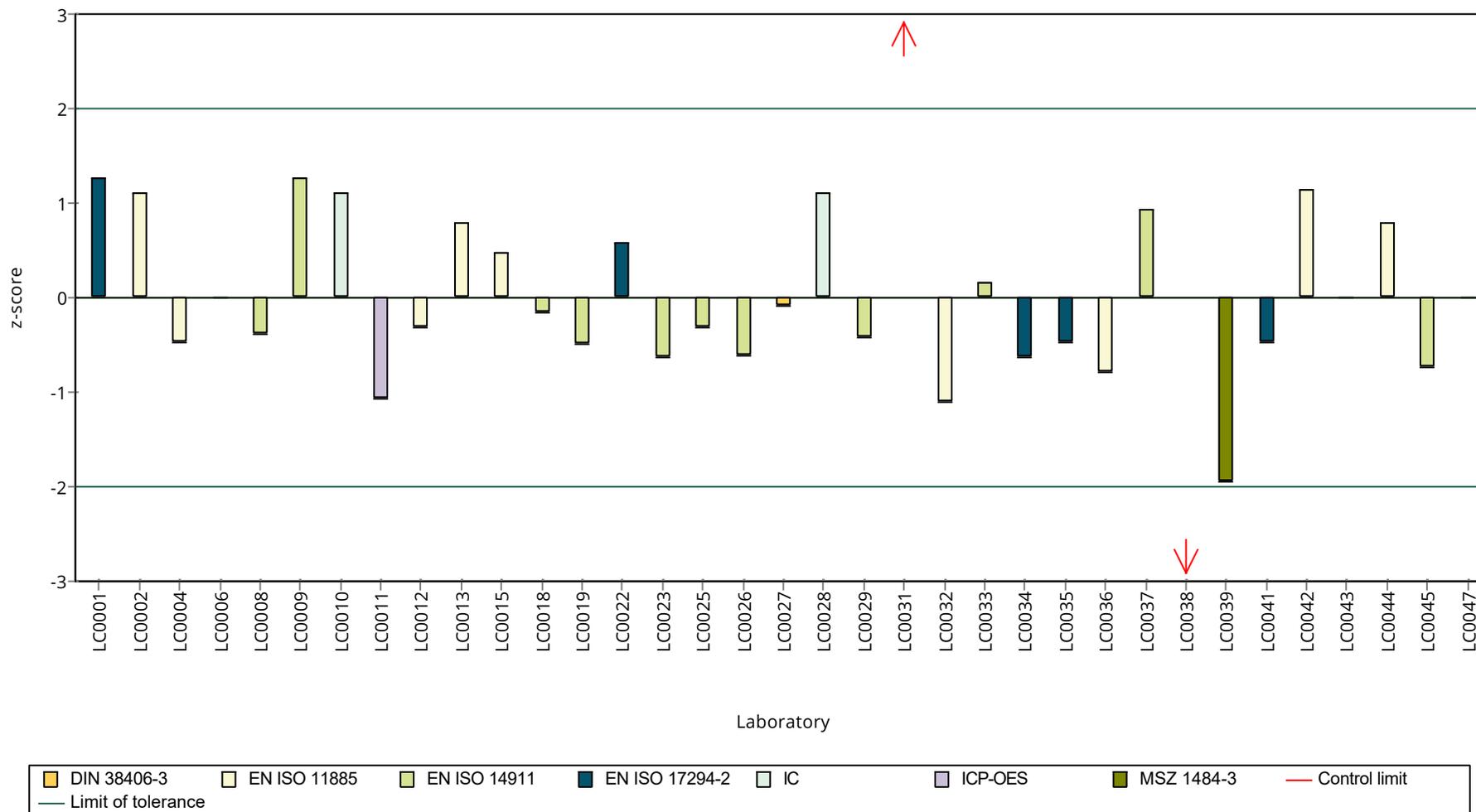
Results



Recovery rate



z-Score



Parameter oriented report

N180 A

Nitrate (as NO3)

Unit mg/l
Assigned value ± U (k=2) 10.1 ± 0.0896
Criterion 0.507 (5 %)
Minimum - Maximum 9.5 - 10.8
Control test value ± U (k=2) 9.83 ± 1.18

Labcode	Result ± U	Recovery [%]	z-Score	Comments
LC0001	10.6 ± 0.001	104	0.9	
LC0002	9.87 ± 0.21	97.3	-0.54	
LC0003	- ± -	-	-	
LC0004	10.5 ± 0.403	103	0.7	
LC0005	- ± -	-	-	
LC0006	10.3 ± 0.47	102	0.31	
LC0007	- ± -	-	-	
LC0008	10.04 ± 0.502	99	-0.21	
LC0009	9.5 ± 1.425	93.6	-1.27	
LC0010	10.1 ± 0.76	99.6	-0.09	
LC0011	9.98 ± 0.012	98.4	-0.33	
LC0012	10.3 ± 0.515	102	0.31	
LC0013	10 ± 1.5	98.6	-0.29	
LC0014	- ± -	-	-	
LC0015	- ± -	-	-	
LC0016	9.78 ± 0.45	96.4	-0.72	
LC0017	- ± -	-	-	
LC0018	10.3 ± 0.9	102	0.31	
LC0019	10.28 ± 0.771	101	0.27	
LC0020	- ± -	-	-	
LC0021	9.87 ± 1.48	97.3	-0.54	
LC0022	10.39 ± 0.79	102	0.48	
LC0023	10 ± 0.3	98.6	-0.29	
LC0024	- ± -	-	-	
LC0025	9.8 ± 0.6	96.6	-0.68	
LC0026	10.32 ± 0.4	102	0.34	
LC0027	10.06 ± 1.46	99.2	-0.17	
LC0028	9.26 ± 0.93	91.3	-1.75	H
LC0029	10.301 ± 0.5151	102	0.31	
LC0030	10.3 ± 0.41	102	0.31	
LC0031	9.883 ± 0.573	97.4	-0.52	
LC0032	11.08 ± 1.61	109	1.84	H
LC0033	10.3 ± 0.4	102	0.31	
LC0034	10.3 ± 0.5	102	0.31	
LC0035	9.88 ± 0.055	97.4	-0.52	
LC0036	9.9 ± 1	97.6	-0.48	
LC0037	10.18 ± 0.475	100	0.07	
LC0038	10.8 ± 1.1	106	1.29	
LC0039	9.74 ± 0.68	96	-0.8	
LC0040	10.133 ± 0.449	99.9	-0.02	
LC0041	10.5 ± 1.6	103	0.7	

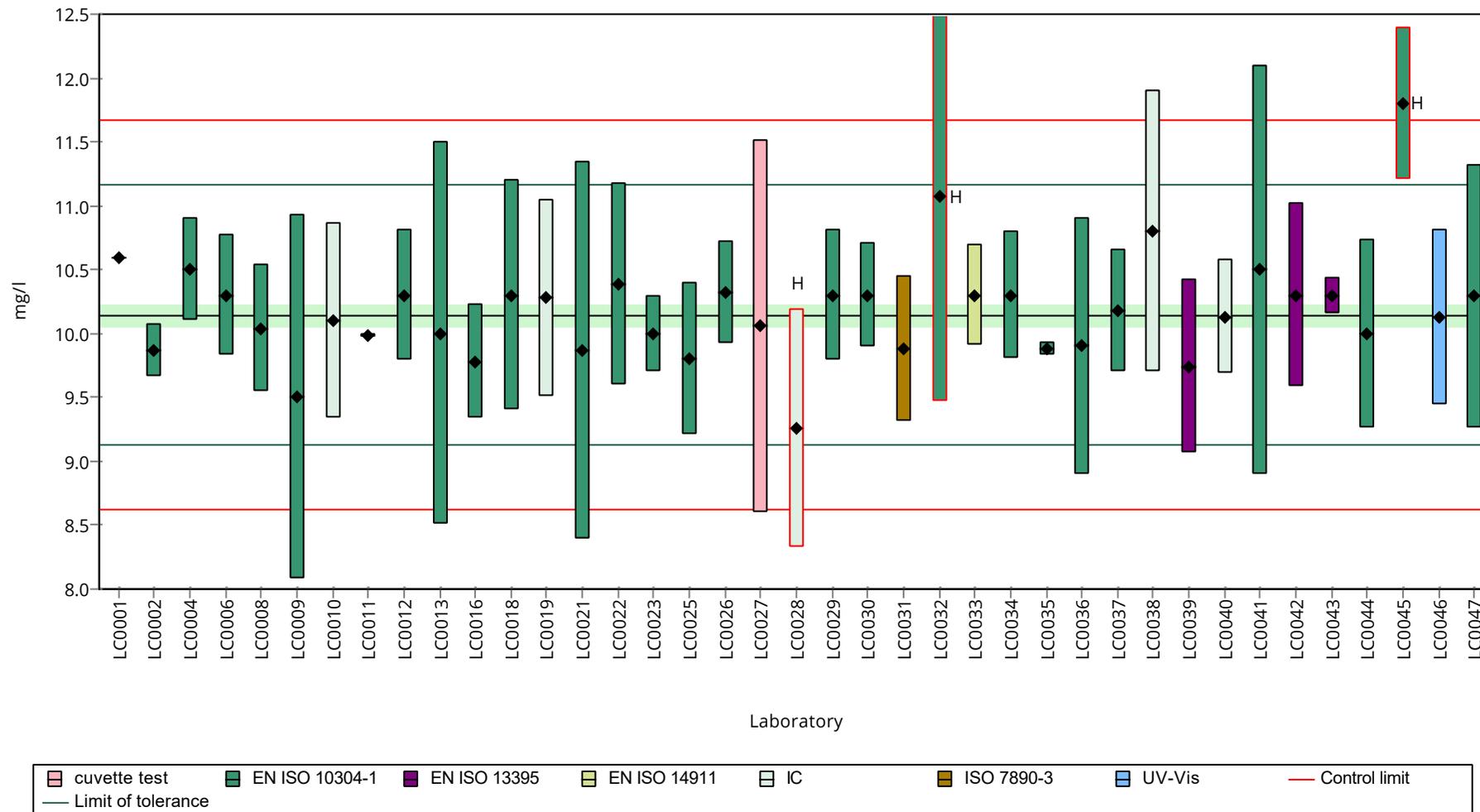
Labcode	Result ± U	Recovery [%]	z-Score	Comments
LC0042	10.3 ± 0.721	102	0.31	
LC0043	10.3 ± 0.144	102	0.31	
LC0044	10 ± 0.74	98.6	-0.29	
LC0045	11.802 ± 0.6	116	3.27	H
LC0046	10.13 ± 0.69	99.9	-0.03	
LC0047	10.29 ± 1.03	101	0.29	
LC0048	- ± -	-	-	
LC0049	- ± -	-	-	
LC0050	- ± -	-	-	

Characteristics of parameter

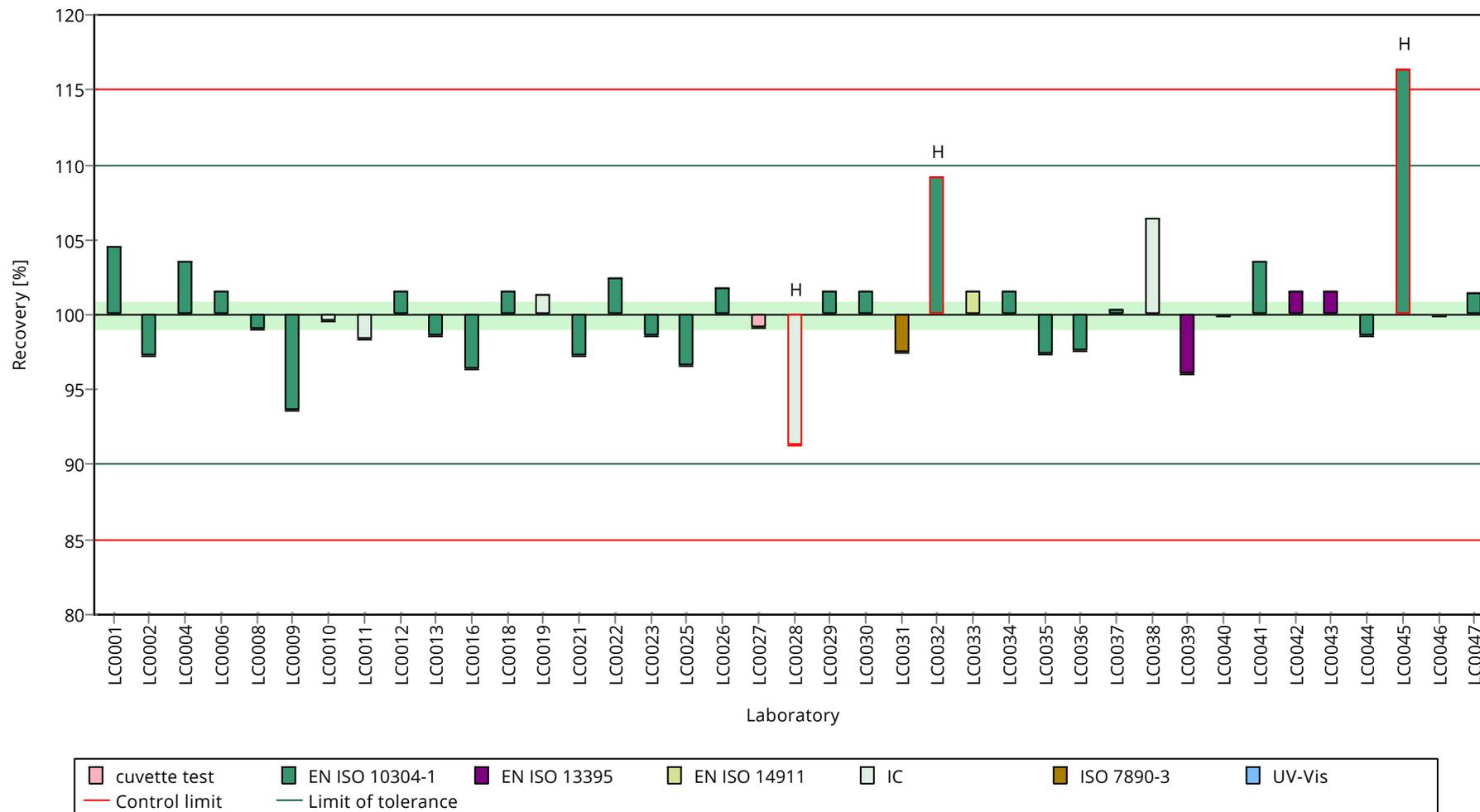
	all results	without outliers	Unit
Mean ± CI (99%)	10.2 ± 0.204	10.1 ± 0.134	mg/l
Minimum	9.26	9.5	mg/l
Maximum	11.8	10.8	mg/l
Standard deviation	0.425	0.269	mg/l
rel. standard deviation	4.17	2.65	%
n	39	36	-

Graphical presentation of results

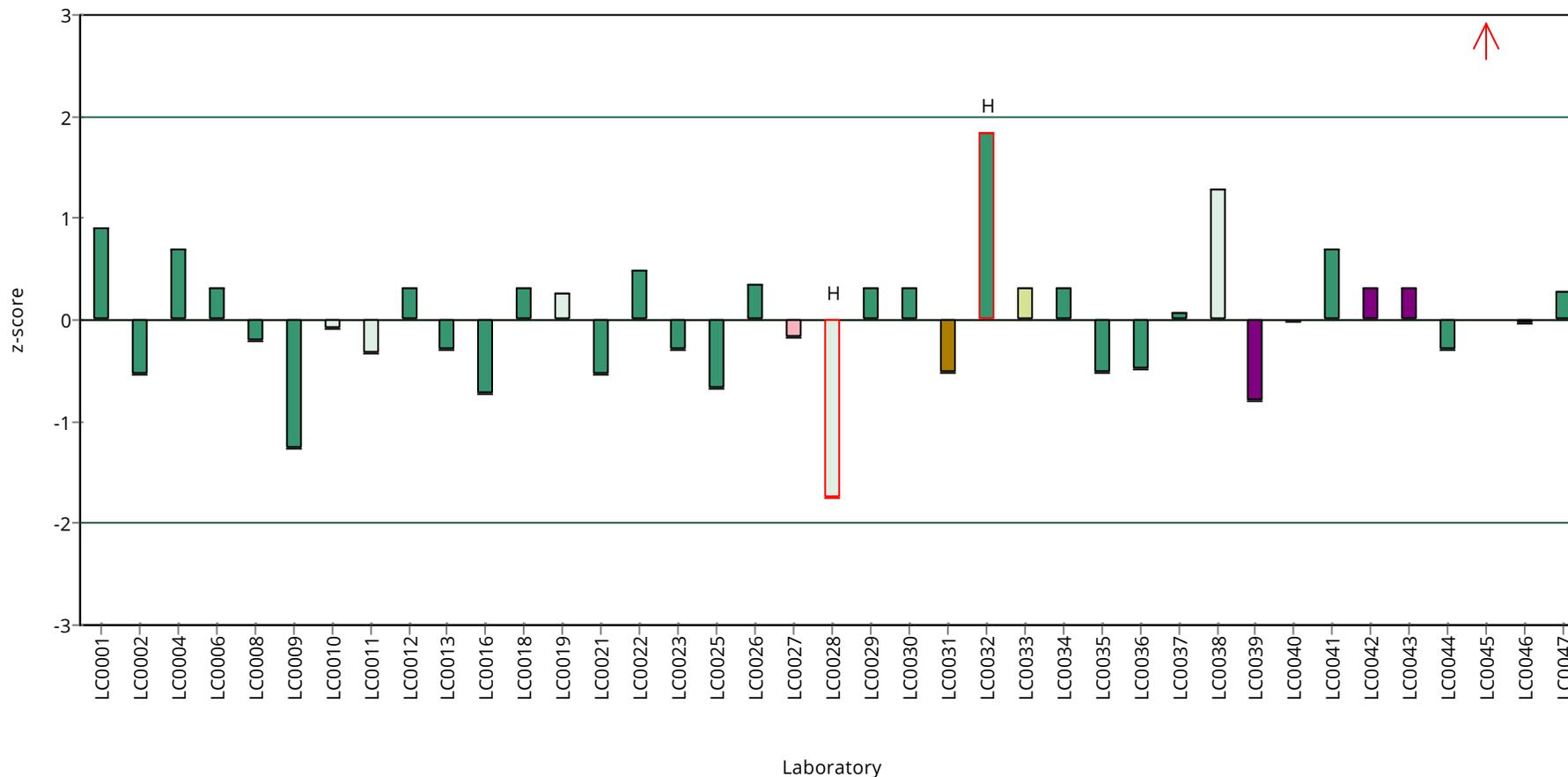
Results



Recovery rate



z-Score



Parameter oriented report

N180 B

Nitrate (as NO₃)

Unit	mg/l
Assigned value ± U (k=2)	29.5 ± 0.271
Criterion	1.48 (5 %)
Minimum - Maximum	27.4 - 31.3
Control test value ± U (k=2)	27.8 ± 3.34

Labcode	Result ± U	Recovery [%]	z-Score	Comments
LC0001	29.6 ± 0.058	100	0.04	
LC0002	28.5 ± 0.6	96.5	-0.71	
LC0003	- ± -	-	-	
LC0004	29.3 ± 1.68	99.2	-0.17	
LC0005	- ± -	-	-	
LC0006	29 ± 1.3	98.2	-0.37	
LC0007	- ± -	-	-	
LC0008	30 ± 1.5	102	0.31	
LC0009	31 ± 4.65	105	0.98	
LC0010	29.6 ± 2.22	100	0.04	
LC0011	28.909 ± 0.042	97.8	-0.43	
LC0012	29.4 ± 1.47	99.5	-0.1	
LC0013	29.35 ± 4.4	99.3	-0.13	
LC0014	29.8 ± 2.38	101	0.17	
LC0015	- ± -	-	-	
LC0016	29 ± 1.3	98.2	-0.37	
LC0017	- ± -	-	-	
LC0018	31.3 ± 3	106	1.19	
LC0019	29.38 ± 2.204	99.4	-0.11	
LC0020	- ± -	-	-	
LC0021	29.2 ± 4.38	98.8	-0.23	
LC0022	28.23 ± 2.14	95.5	-0.89	
LC0023	29 ± 0.5	98.2	-0.37	
LC0024	- ± -	-	-	
LC0025	29.4 ± 1.76	99.5	-0.1	
LC0026	30.15 ± 0.4	102	0.41	
LC0027	29.95 ± 4.34	101	0.27	
LC0028	29.2 ± 2.9	98.8	-0.23	
LC0029	29.868 ± 1.4934	101	0.22	
LC0030	30 ± 1.2	102	0.31	
LC0031	9.752 ± 0.566	33	-13.4	H
LC0032	29.65 ± 4.17	100	0.07	
LC0033	29.8 ± 1.2	101	0.17	
LC0034	29.7 ± 1.5	101	0.1	
LC0035	30.04 ± 0.124	102	0.33	
LC0036	29.3 ± 2.9	99.2	-0.17	
LC0037	30.17 ± 1.41	102	0.42	
LC0038	31.3 ± 3.1	106	1.19	
LC0039	27.37 ± 1.92	92.6	-1.47	
LC0040	28.93 ± 1.282	97.9	-0.42	
LC0041	31 ± 4.7	105	0.98	

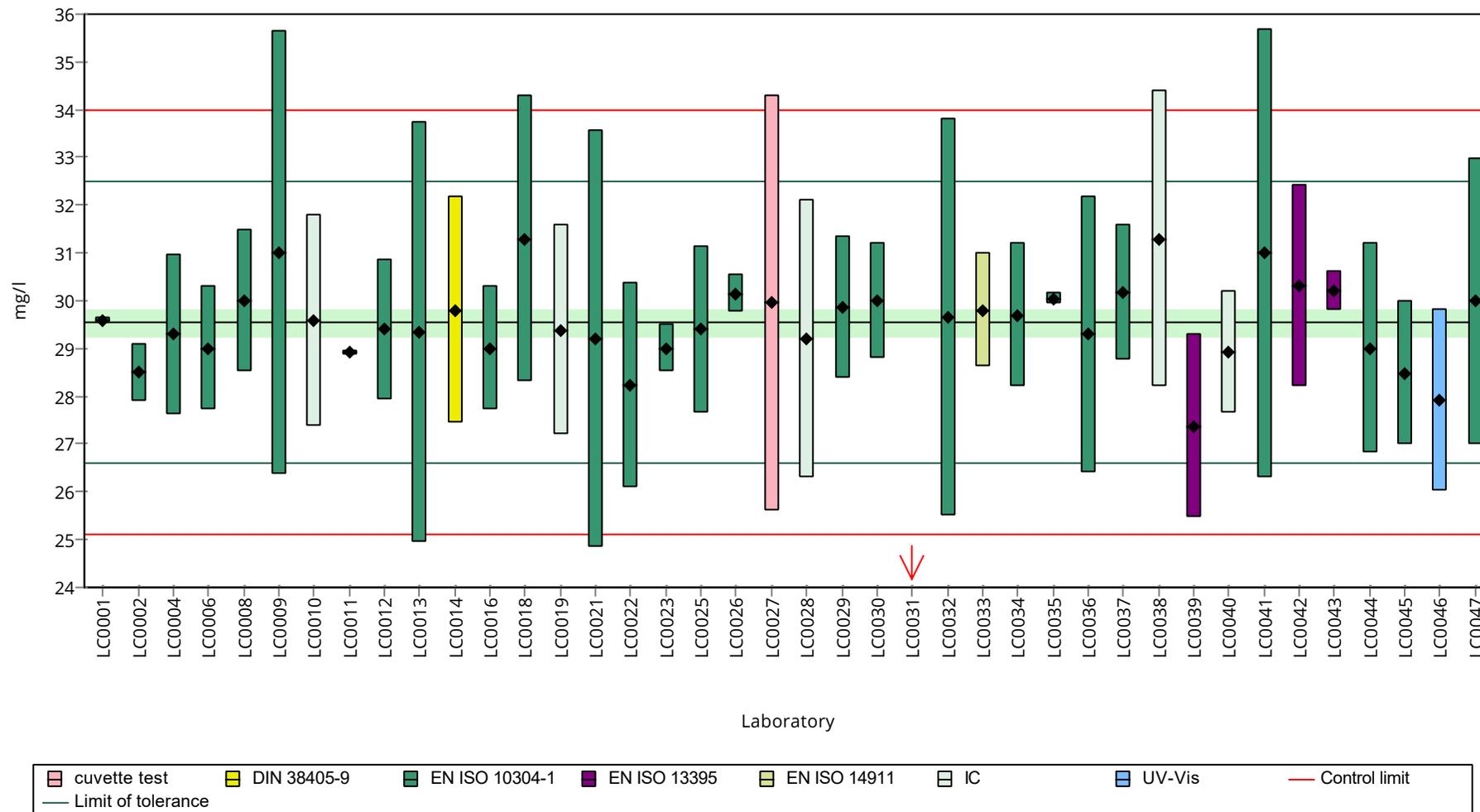
Labcode	Result ± U	Recovery [%]	z-Score	Comments
LC0042	30.3 ± 2.12	103	0.51	
LC0043	30.2 ± 0.423	102	0.44	
LC0044	29 ± 2.2	98.2	-0.37	
LC0045	28.488 ± 1.5	96.4	-0.72	
LC0046	27.92 ± 1.91	94.5	-1.1	
LC0047	29.99 ± 3	102	0.3	
LC0048	- ± -	-	-	
LC0049	- ± -	-	-	
LC0050	- ± -	-	-	

Characteristics of parameter

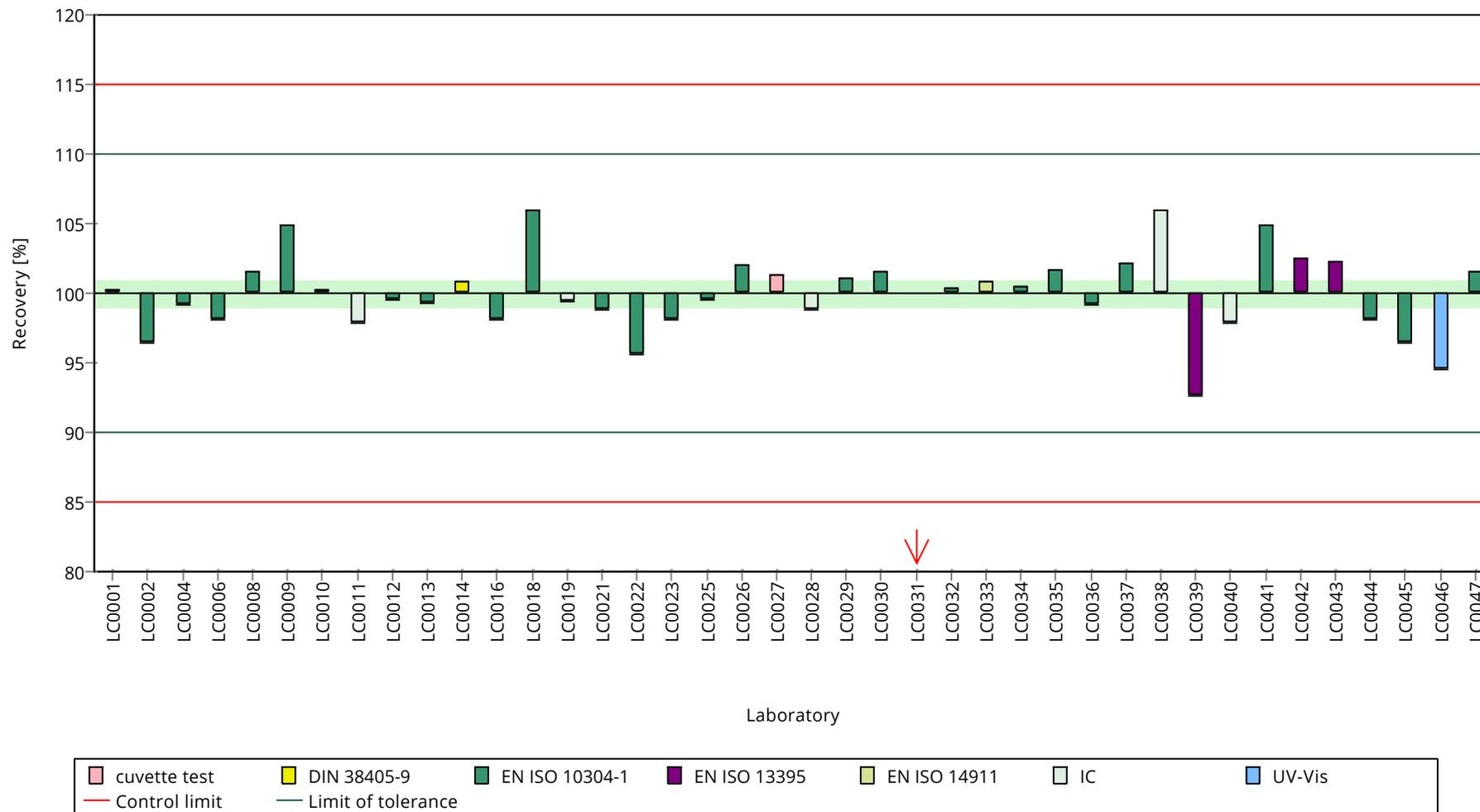
	all results	without outliers	Unit
Mean ± CI (99%)	29.1 ± 1.54	29.5 ± 0.406	mg/l
Minimum	9.75	27.4	mg/l
Maximum	31.3	31.3	mg/l
Standard deviation	3.24	0.846	mg/l
rel. standard deviation	11.1	2.86	%
n	40	39	-

Graphical presentation of results

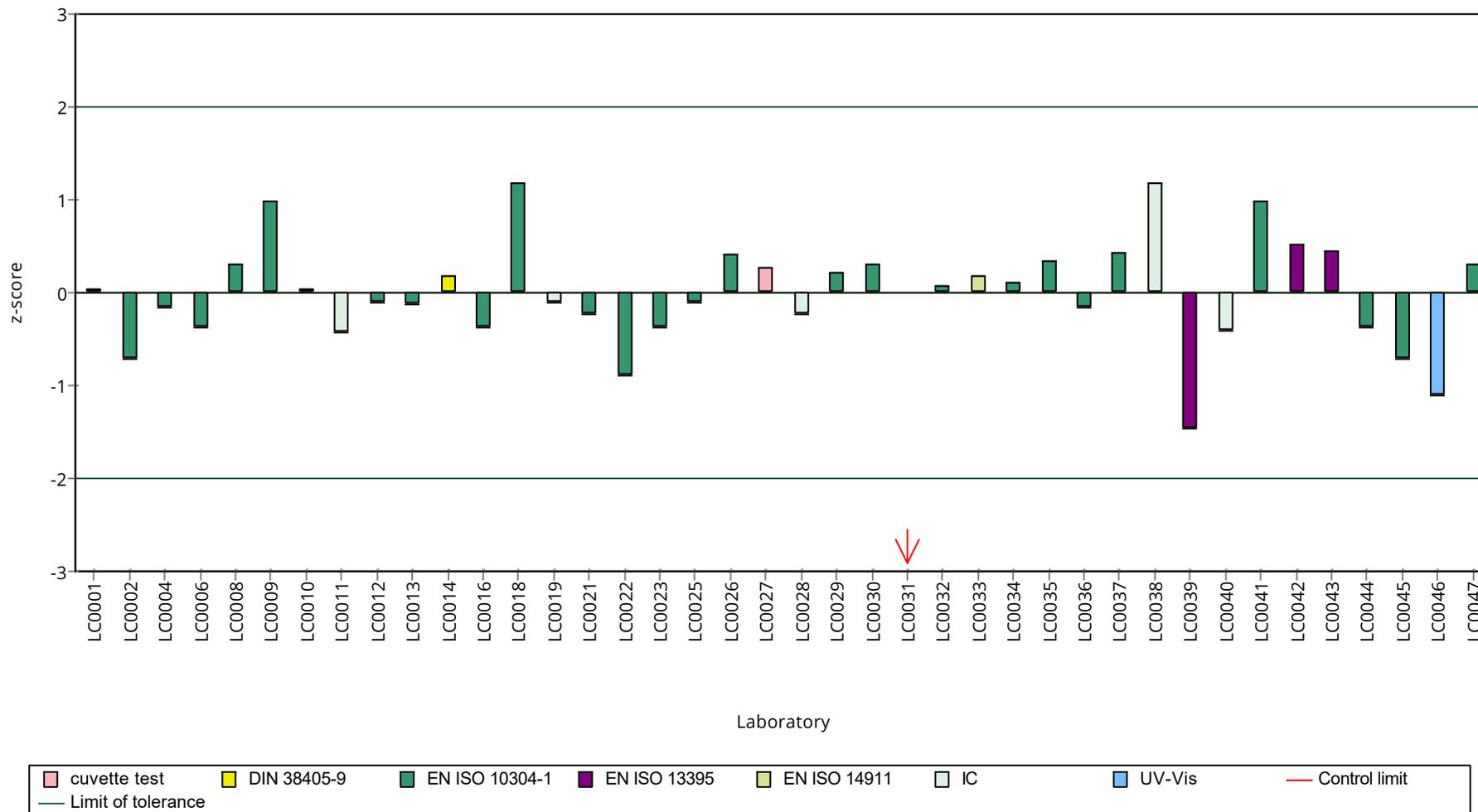
Results



Recovery rate



z-Score



Parameter oriented report

N180 A

Nitrite (as NO₂)

Unit	mg/l
Assigned value ± U (k=2)	0.0307 ± 0.00108
Criterion	0.00307 (10 %)
Minimum - Maximum	0.025 - 0.038
Control test value ± U (k=2)	0.0345 ± 0.00689

Labcode	Result ± U	Recovery [%]	z-Score	Comments
LC0001	0.0361 ± 0.001	118	1.77	
LC0002	0.0251 ± 0.0017	81.8	-1.82	
LC0003	- ± -	-	-	
LC0004	0.0313 ± 0.00071	102	0.21	
LC0005	- ± -	-	-	
LC0006	- ± -	-	-	
LC0007	- ± -	-	-	
LC0008	0.031 ± 0.0031	101	0.11	
LC0009	0.0329 ± 0.004	107	0.73	
LC0010	0.038 ± 0.004	124	2.39	
LC0011	0.016 ± 0.001	52.2	-4.78	H
LC0012	0.032 ± 0.0032	104	0.43	
LC0013	0.026 ± 0.0026	84.8	-1.52	
LC0014	- ± -	-	-	
LC0015	- ± -	-	-	
LC0016	0.0262 ± 0.0024	85.4	-1.46	
LC0017	- ± -	-	-	
LC0018	0.031 ± 0.003	101	0.11	
LC0019	0.032 ± 0.004	104	0.43	
LC0020	- ± -	-	-	
LC0021	0.033 ± 0.006	108	0.76	
LC0022	0.031 ± 0.003	101	0.11	
LC0023	0.0355 ± 0.0012	116	1.58	
LC0024	- ± -	-	-	
LC0025	0.031 ± 0.004	101	0.11	
LC0026	0.0305 ± 0.002	99.5	-0.05	
LC0027	0.0284 ± 0.00341	92.6	-0.74	
LC0028	0.028 ± 0.006	91.3	-0.87	
LC0029	0.03 ± 0.0044	97.8	-0.22	
LC0030	0.033 ± 0.0066	108	0.76	
LC0031	0.02 ± 0.007	65.2	-3.48	H
LC0032	0.0315 ± 0.00645	103	0.27	
LC0033	0.029 ± 0.001	94.6	-0.54	
LC0034	0.0327 ± 0.0021	107	0.66	
LC0035	0.031 ± 0.0016	101	0.11	
LC0036	0.025 ± 0.0028	81.5	-1.85	
LC0037	0.0295 ± 0.00059	96.2	-0.38	
LC0038	0.0292 ± 0.003	95.2	-0.48	
LC0039	< 0.16 (LOQ) ± -	-	-	
LC0040	0.036 ± 0.01	117	1.74	
LC0041	0.0265 ± 0.0039	86.4	-1.36	

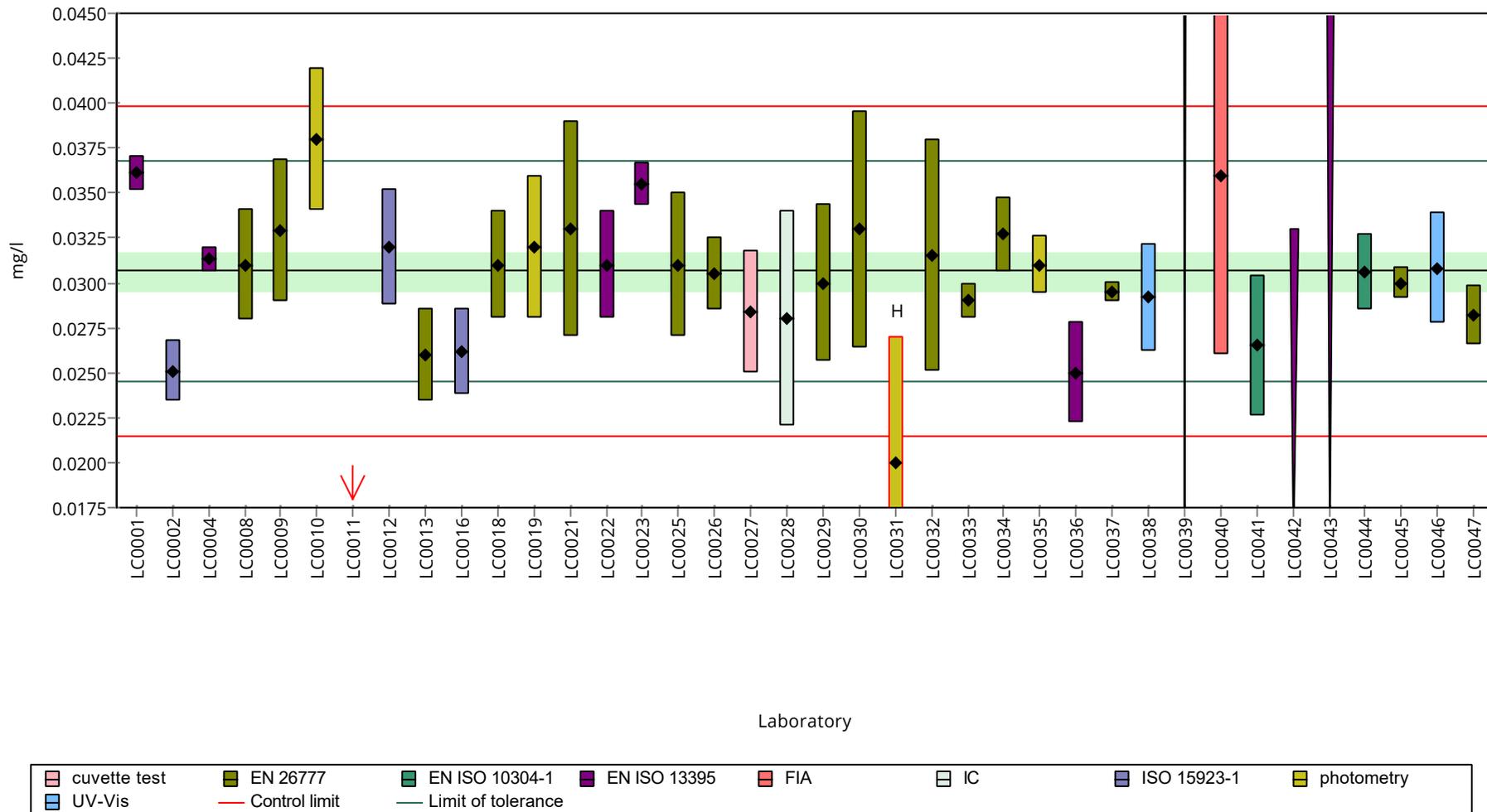
Labcode	Result ± U	Recovery [%]	z-Score	Comments
LC0042	< 0.033 (LOQ) ± -	-	-	
LC0043	< 0.053 (LOQ) ± -	-	-	
LC0044	0.0306 ± 0.0021	99.8	-0.02	
LC0045	0.03 ± 0.0009	97.8	-0.22	
LC0046	0.0308 ± 0.0031	100	0.04	
LC0047	0.0282 ± 0.0017	92	-0.8	
LC0048	- ± -	-	-	
LC0049	- ± -	-	-	
LC0050	- ± -	-	-	

Characteristics of parameter

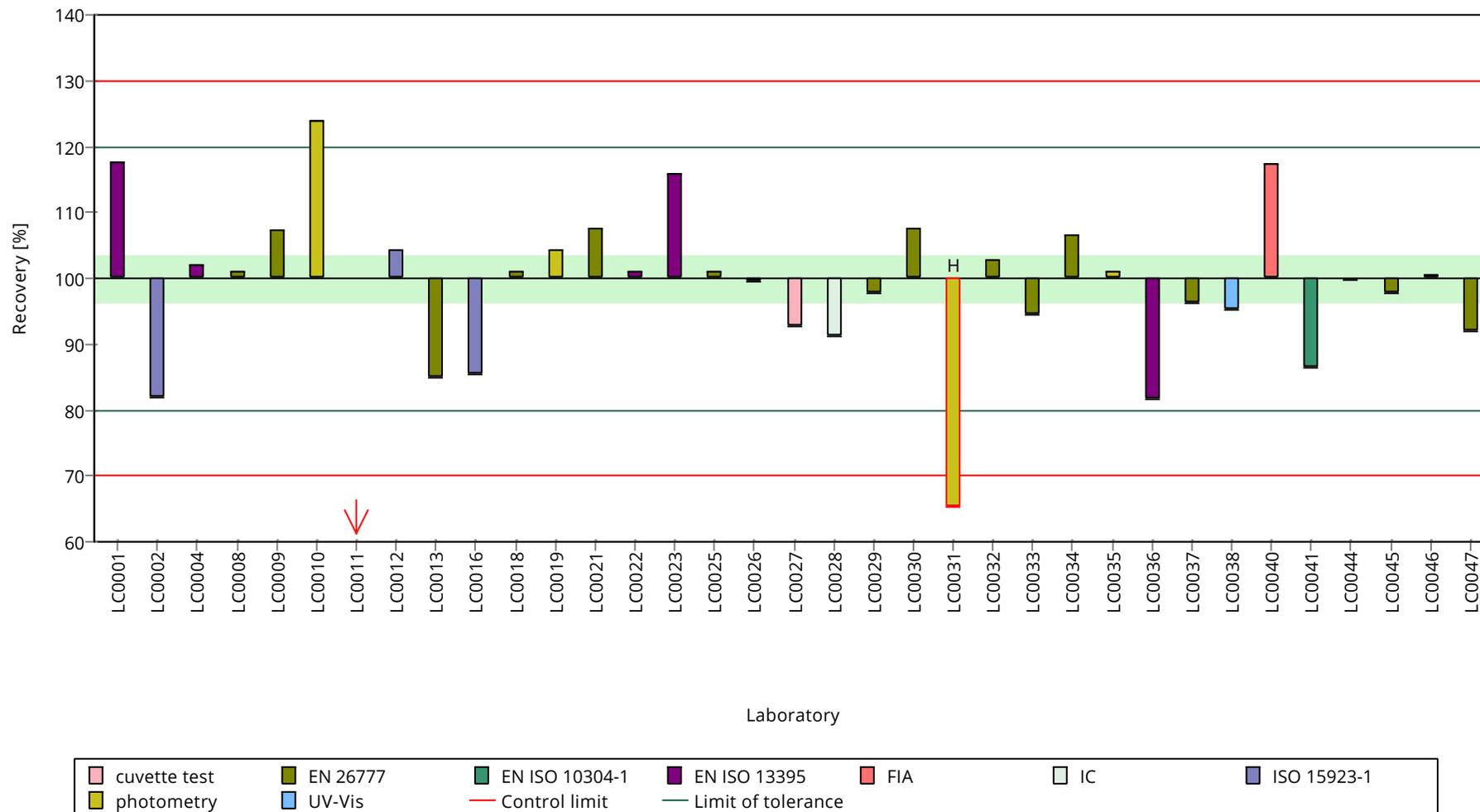
	all results	without outliers	Unit
Mean ± CI (99%)	0.0299 ± 0.00216	0.0307 ± 0.00162	mg/l
Minimum	0.016	0.025	mg/l
Maximum	0.038	0.038	mg/l
Standard deviation	0.00427	0.0031	mg/l
rel. standard deviation	14.2	10.1	%
n	35	33	-

Graphical presentation of results

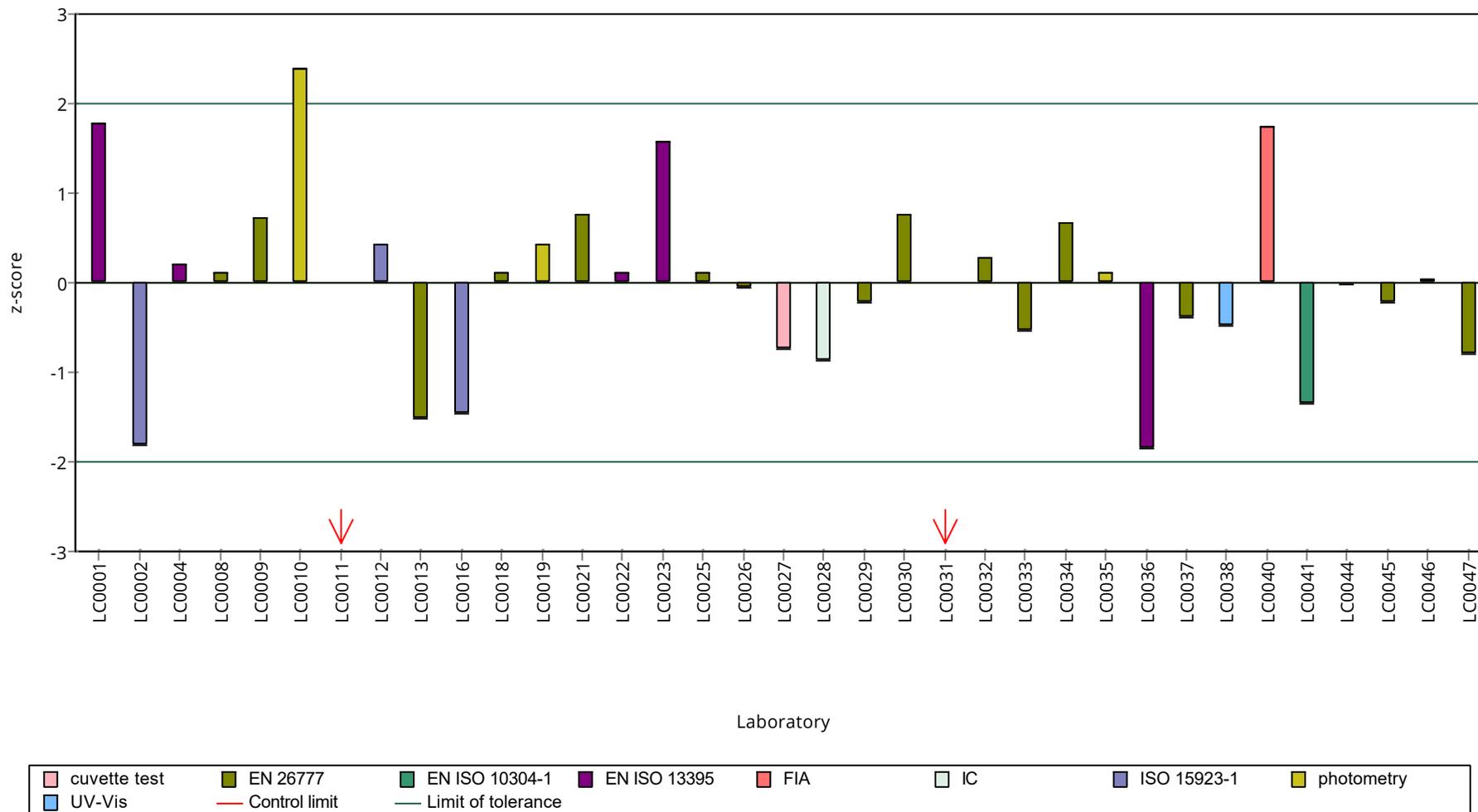
Results



Recovery rate



z-Score



Parameter oriented report

N180 B

Nitrite (as NO₂)

Unit	mg/l
Assigned value ± U (k=2)	0.385 ± 0.00518
Criterion	0.0204 (5.3 %)
Minimum - Maximum	0.358 - 0.424
Control test value ± U (k=2)	0.380 ± 0.076

Labcode	Result ± U	Recovery [%]	z-Score	Comments
LC0001	0.4 ± 0.001	104	0.71	
LC0002	0.387 ± 0.027	100	0.07	
LC0003	- ± -	-	-	
LC0004	0.379 ± 0.00176	98.3	-0.32	
LC0005	- ± -	-	-	
LC0006	- ± -	-	-	
LC0007	- ± -	-	-	
LC0008	0.375 ± 0.0375	97.3	-0.51	
LC0009	0.39 ± 0.0488	101	0.22	
LC0010	0.424 ± 0.042	110	1.89	
LC0011	0.302 ± 0.002	78.3	-4.09	H
LC0012	0.384 ± 0.0384	99.6	-0.07	
LC0013	0.39 ± 0.039	101	0.22	
LC0014	0.42 ± 0.029	109	1.69	
LC0015	- ± -	-	-	
LC0016	0.394 ± 0.036	102	0.42	
LC0017	- ± -	-	-	
LC0018	0.386 ± 0.03	100	0.03	
LC0019	0.396 ± 0.04	103	0.52	
LC0020	- ± -	-	-	
LC0021	0.685 ± 0.116	178	14.66	H
LC0022	0.391 ± 0.039	101	0.27	
LC0023	0.437 ± 0.008	113	2.52	H
LC0024	- ± -	-	-	
LC0025	0.379 ± 0.049	98.3	-0.32	
LC0026	0.376 ± 0.002	97.5	-0.46	
LC0027	0.405 ± 0.0486	105	0.96	
LC0028	0.39 ± 0.08	101	0.22	
LC0029	0.361 ± 0.0542	93.7	-1.2	
LC0030	0.39 ± 0.078	101	0.22	
LC0031	0.375 ± 0.053	97.3	-0.51	
LC0032	0.382 ± 0.065	99.1	-0.17	
LC0033	0.365 ± 0.02	94.7	-1	
LC0034	0.381 ± 0.016	98.8	-0.22	
LC0035	0.373 ± 0.0045	96.8	-0.61	
LC0036	0.376 ± 0.041	97.5	-0.46	
LC0037	0.3805 ± 0.00757	98.7	-0.24	
LC0038	0.3953 ± 0.04	103	0.48	
LC0039	0.39 ± 0.03	101	0.22	
LC0040	0.401 ± 0.112	104	0.76	
LC0041	0.37 ± 0.056	96	-0.76	

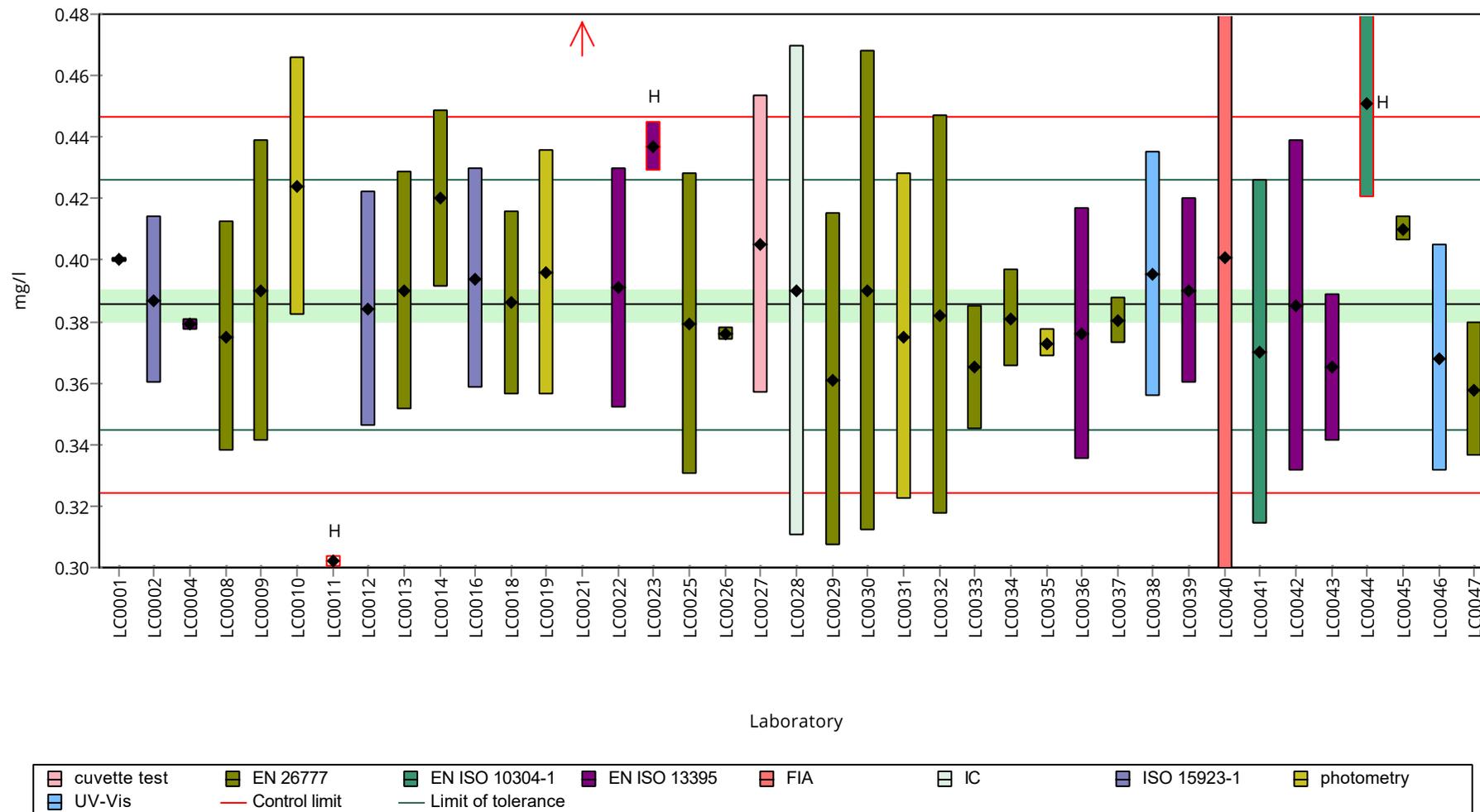
Labcode	Result ± U	Recovery [%]	z-Score	Comments
LC0042	0.385 ± 0.0539	99.9	-0.02	
LC0043	0.365 ± 0.0241	94.7	-1	
LC0044	0.451 ± 0.031	117	3.21	H
LC0045	0.41 ± 0.004	106	1.2	
LC0046	0.368 ± 0.037	95.5	-0.86	
LC0047	0.3578 ± 0.0219	92.8	-1.35	
LC0048	- ± -	-	-	
LC0049	- ± -	-	-	
LC0050	- ± -	-	-	

Characteristics of parameter

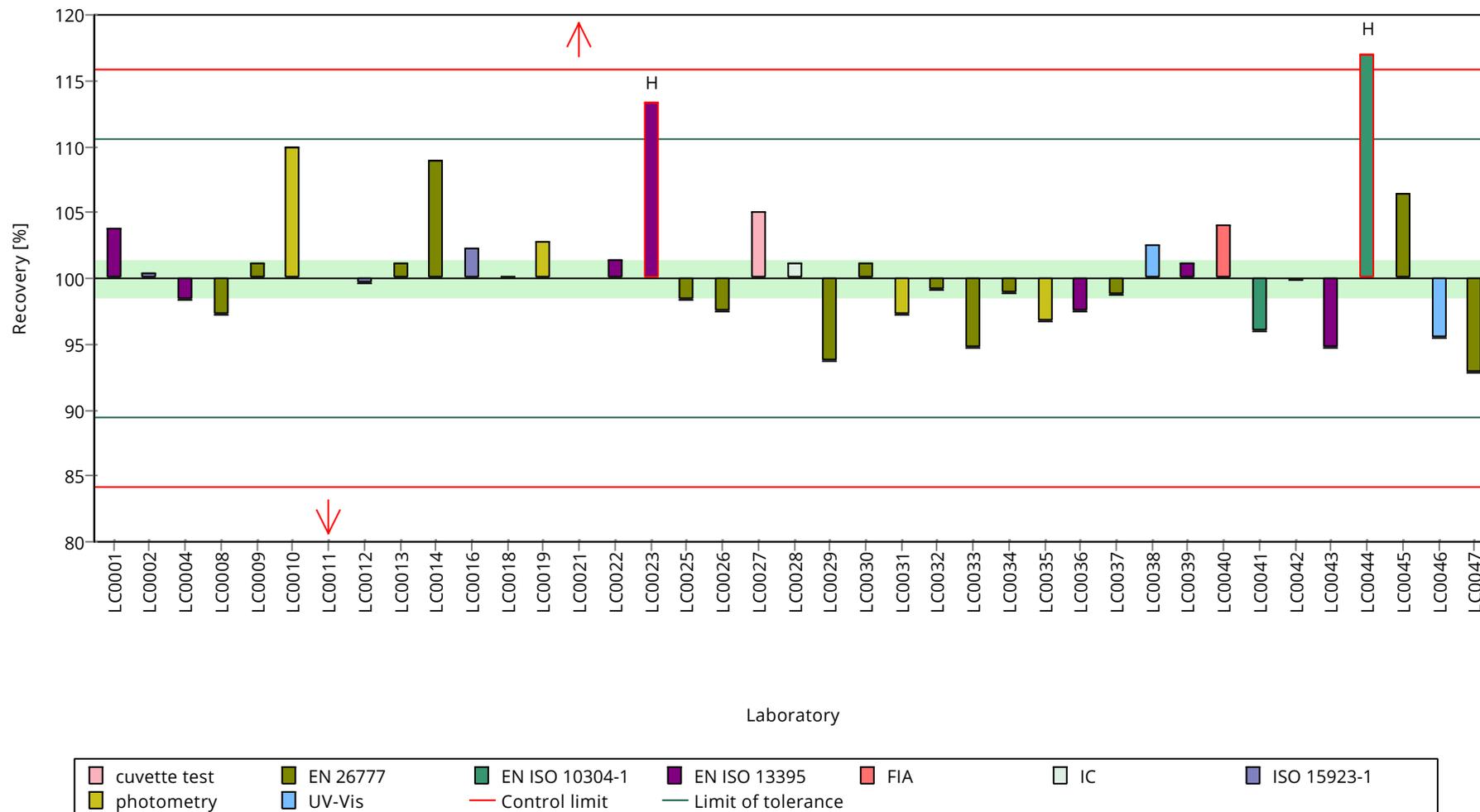
	all results	without outliers	Unit
Mean ± CI (99%)	0.394 ± 0.0257	0.385 ± 0.00777	mg/l
Minimum	0.302	0.358	mg/l
Maximum	0.685	0.424	mg/l
Standard deviation	0.0535	0.0153	mg/l
rel. standard deviation	13.6	3.97	%
n	39	35	-

Graphical presentation of results

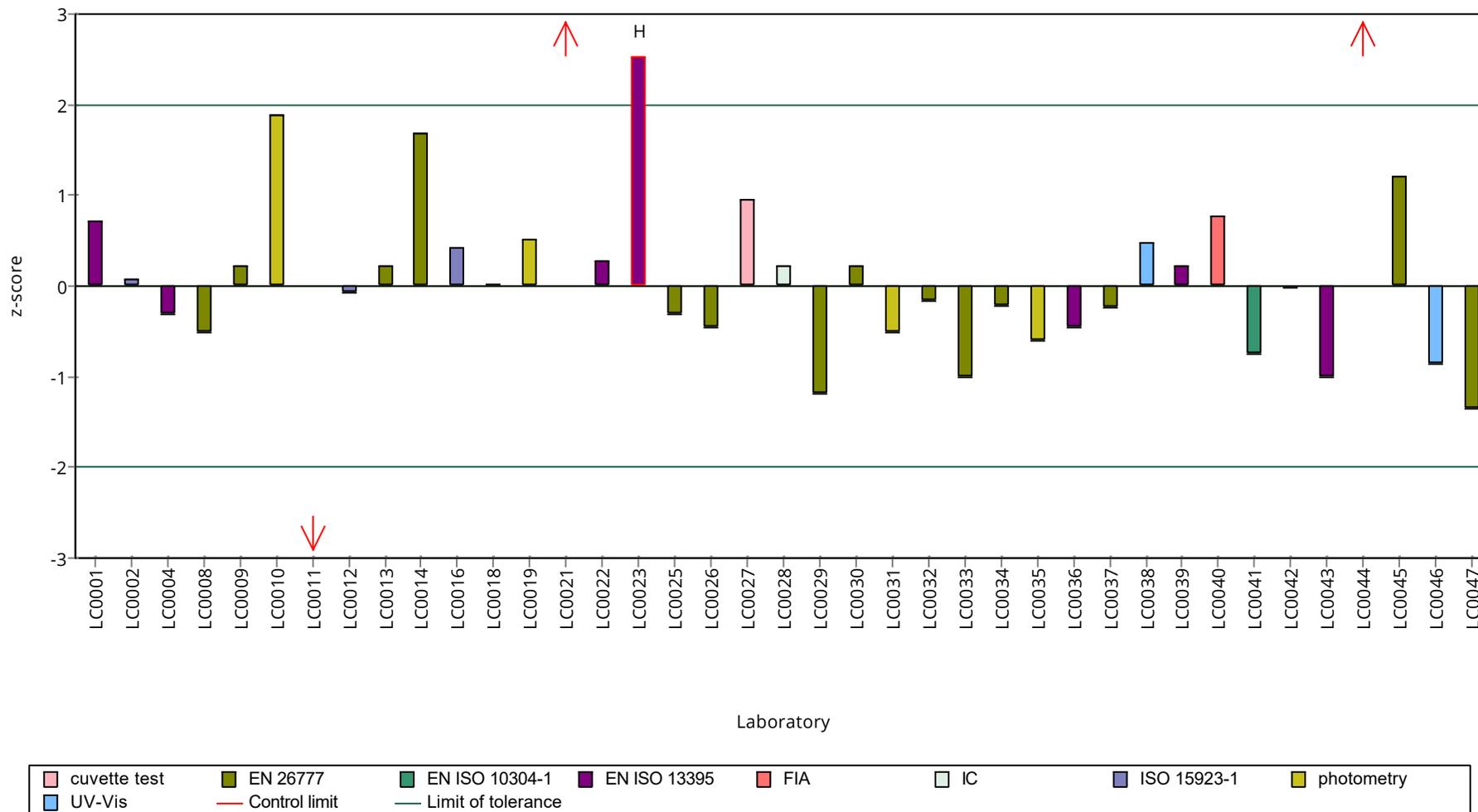
Results



Recovery rate



z-score



Parameter oriented report

N180 A

Orthophosphate (as PO4)

Unit	mg/l
Assigned value ± U (k=2)	0.051 ± 0.00379
Criterion	0.0102 (20 %)
Minimum - Maximum	0.028 - 0.0727
Control test value ± U (k=2)	0.0423 ± 0.00635

Labcode	Result ± U	Recovery [%]	z-Score	Comments
LC0001	0.0497 ± 0.001	97.4	-0.13	
LC0002	0.0506 ± 0.0014	99.1	-0.04	
LC0003	0.05703 ± 0.0057	112	0.59	
LC0004	0.0486 ± 0.00308	95.2	-0.24	
LC0005	0.0613 ± 0.006	120	1.01	
LC0006	0.047 ± 0.004	92.1	-0.4	
LC0007	0.0524 ± 0.01048	103	0.13	
LC0008	0.03679 ± 0.00442	72.1	-1.4	
LC0009	0.0547 ± 0.0068	107	0.36	
LC0010	0.028 ± 0.004	54.9	-2.26	
LC0011	< 0.15 (LOQ) ± -	-	-	
LC0012	0.045 ± 0.0045	88.2	-0.59	
LC0013	0.025 ± 0.0025	49	-2.55	H
LC0014	- ± -	-	-	
LC0015	- ± -	-	-	
LC0016	- ± -	-	-	
LC0017	- ± -	-	-	
LC0018	0.064 ± 0.013	125	1.27	
LC0019	0.0538 ± 0.011	105	0.27	
LC0020	- ± -	-	-	
LC0021	0.052 ± 0.01	102	0.09	
LC0022	0.051 ± 0.005	99.9	0.00	
LC0023	0.0527 ± 0.0025	103	0.16	
LC0024	- ± -	-	-	
LC0025	0.045 ± 0.009	88.2	-0.59	
LC0026	0.0549 ± 0.002	108	0.38	
LC0027	0.0727 ± 0.0121	142	2.12	
LC0028	- ± -	-	-	
LC0029	0.058 ± 0.0087	114	0.68	
LC0030	0.062 ± 0.0186	121	1.07	
LC0031	0.087 ± 0.01	170	3.52	H
LC0032	- ± -	-	-	
LC0033	0.0564 ± 0.005	111	0.53	
LC0034	0.0577 ± 0.0042	113	0.65	
LC0035	0.026 ± 0.0014	50.9	-2.45	H
LC0036	0.029 ± 0.0023	56.8	-2.16	
LC0037	0.0485 ± 0.00333	95	-0.25	
LC0038	0.0515 ± 0.005	101	0.05	
LC0039	< 0.1 (LOQ) ± -	-	-	
LC0040	0.046 ± 0.008	90.1	-0.49	
LC0041	< 0.1 (LOQ) ± -	-	-	

Parameter oriented report Nutrients/Major Ions N180

Sample: N180A, Parameter: Orthophosphate (as PO4)

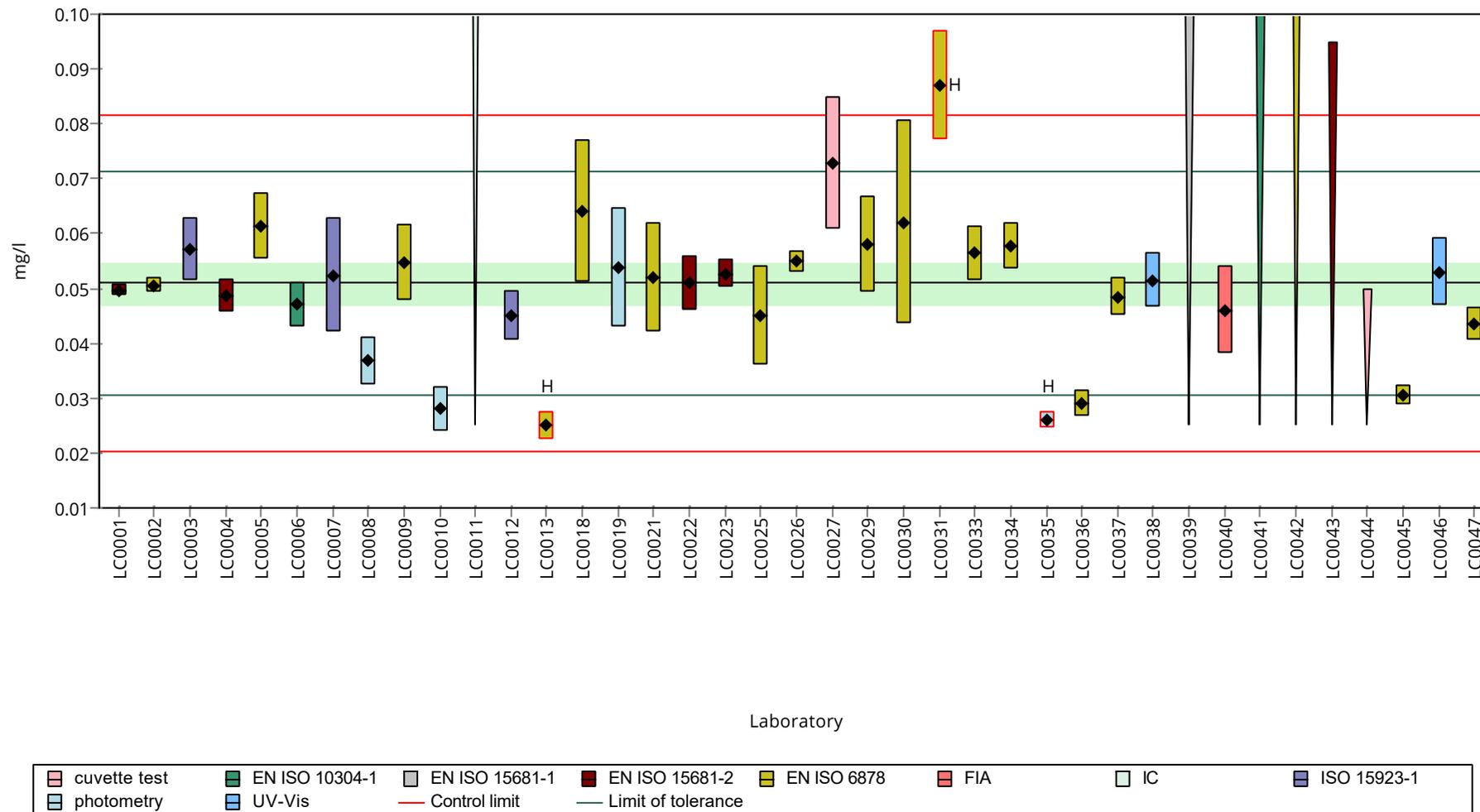
Labcode	Result ± U	Recovery [%]	z-Score	Comments
LC0042	< 0.1251 (LOQ) ± -	-	-	
LC0043	< 0.095 (LOQ) ± -	-	-	
LC0044	< 0.05 (LOQ) ± -	-	-	
LC0045	0.0306 ± 0.0018	60	-2	
LC0046	0.053 ± 0.0062	104	0.19	
LC0047	0.0435 ± 0.003	85.2	-0.74	
LC0048	- ± -	-	-	
LC0049	- ± -	-	-	
LC0050	- ± -	-	-	

Characteristics of parameter

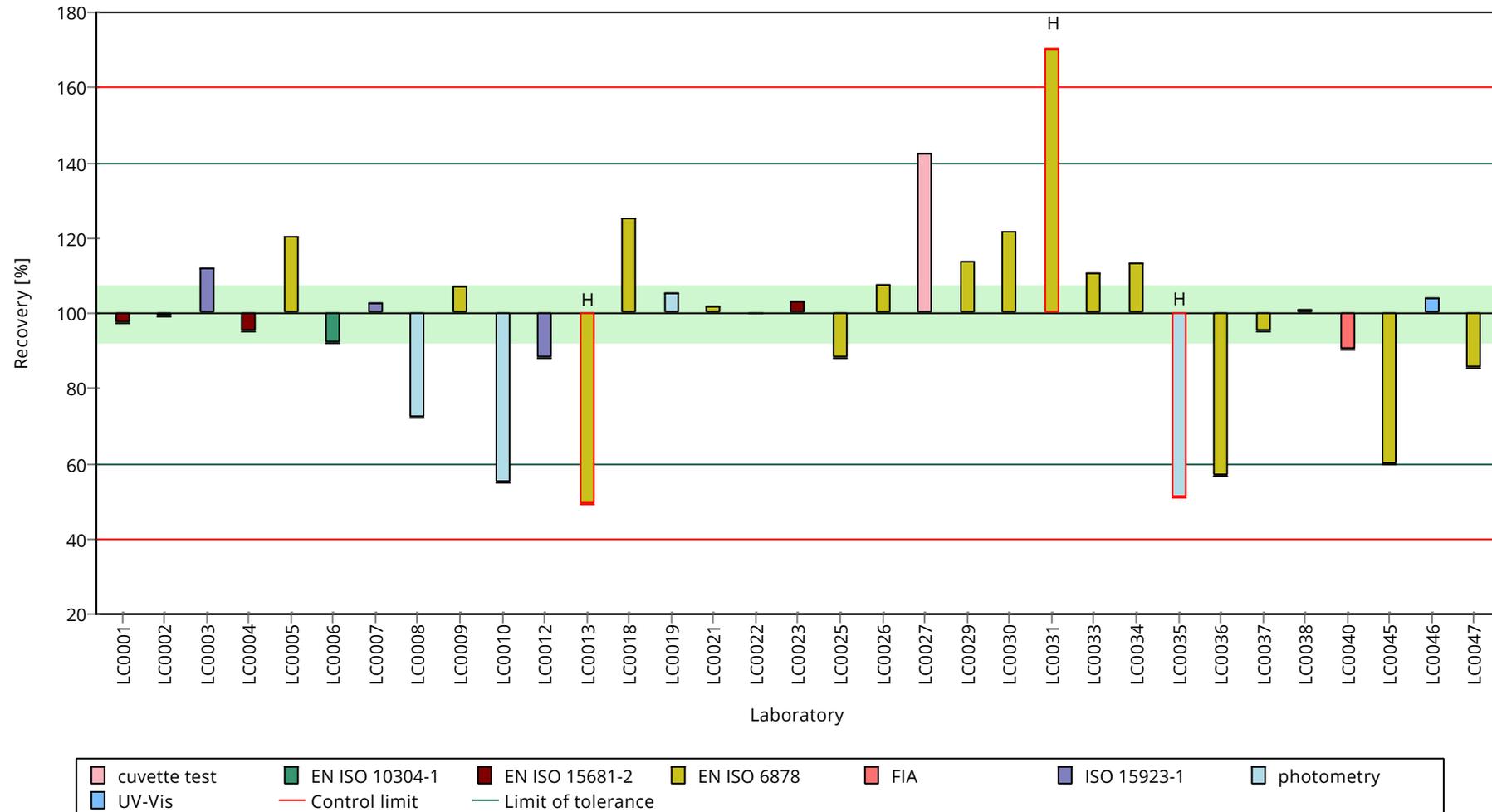
	all results	without outliers	Unit
Mean ± CI (99%)	0.05 ± 0.00682	0.0504 ± 0.00546	mg/l
Minimum	0.025	0.028	mg/l
Maximum	0.087	0.0727	mg/l
Standard deviation	0.0131	0.00996	mg/l
rel. standard deviation	26.1	19.7	%
n	33	30	-

Graphical presentation of results

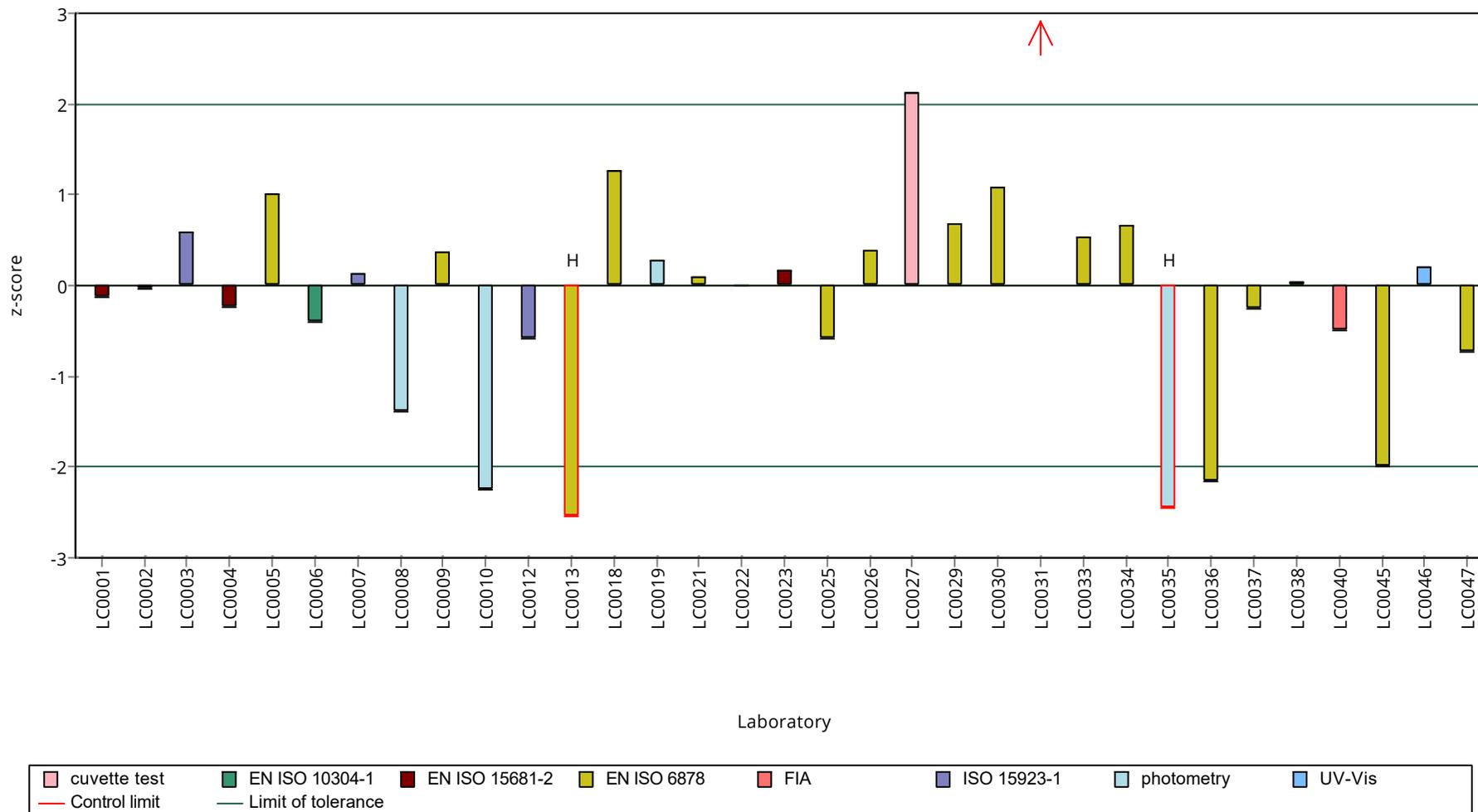
Results



Recovery rate



z-Score



Parameter oriented report

N180 B

Orthophosphate (as PO4)

Unit	mg/l
Assigned value ± U (k=2)	0.411 ± 0.051
Criterion	0.123 (30 %)
Minimum - Maximum	0.114 - 0.546
Control test value ± U (k=2)	0.0615 ± 0.00923

Labcode	Result ± U	Recovery [%]	z-Score	Comments
LC0001	0.407 ± 0.001	99	-0.03	
LC0002	0.398 ± 0.011	96.8	-0.11	
LC0003	0.5016 ± 0.0502	122	0.73	
LC0004	0.437 ± 0.00846	106	0.21	
LC0005	0.5 ± 0.05	122	0.72	
LC0006	0.073 ± 0.006	17.8	-2.74	H
LC0007	0.48477 ± 0.09695	118	0.6	
LC0008	0.03373 ± 0.00405	8.2	-3.06	H
LC0009	0.476 ± 0.0595	116	0.53	
LC0010	0.48 ± 0.072	117	0.56	
LC0011	< 0.15 (LOQ) ± -	-	-	
LC0012	0.093 ± 0.0093	22.6	-2.58	H
LC0013	0.049 ± 0.005	11.9	-2.94	H
LC0014	0.494 ± 0.12	120	0.67	
LC0015	- ± -	-	-	
LC0016	- ± -	-	-	
LC0017	- ± -	-	-	
LC0018	0.505 ± 0.1	123	0.76	
LC0019	0.497 ± 0.037	121	0.7	
LC0020	- ± -	-	-	
LC0021	0.132 ± 0.026	32.1	-2.26	
LC0022	0.198 ± 0.02	48.2	-1.73	
LC0023	0.52 ± 0.025	127	0.88	
LC0024	- ± -	-	-	
LC0025	0.091 ± 0.02	22.1	-2.6	H
LC0026	0.493 ± 0.002	120	0.66	
LC0027	0.46 ± 0.0768	112	0.4	
LC0028	- ± -	-	-	
LC0029	0.546 ± 0.0819	133	1.09	
LC0030	0.45 ± 0.135	109	0.32	
LC0031	0.43 ± 0.042	105	0.15	
LC0032	- ± -	-	-	
LC0033	0.486 ± 0.04	118	0.61	
LC0034	0.515 ± 0.032	125	0.84	
LC0035	0.318 ± 0.028	77.4	-0.75	
LC0036	0.407 ± 0.033	99	-0.03	
LC0037	0.483 ± 0.0331	118	0.58	
LC0038	0.209 ± 0.0209	50.8	-1.64	
LC0039	< 0.1 (LOQ) ± -	-	-	FN
LC0040	0.369 ± 0.063	89.8	-0.34	
LC0041	< 0.1 (LOQ) ± -	-	-	FN

Parameter oriented report Nutrients/Major Ions N180

Sample: N180B, Parameter: Orthophosphate (as PO4)

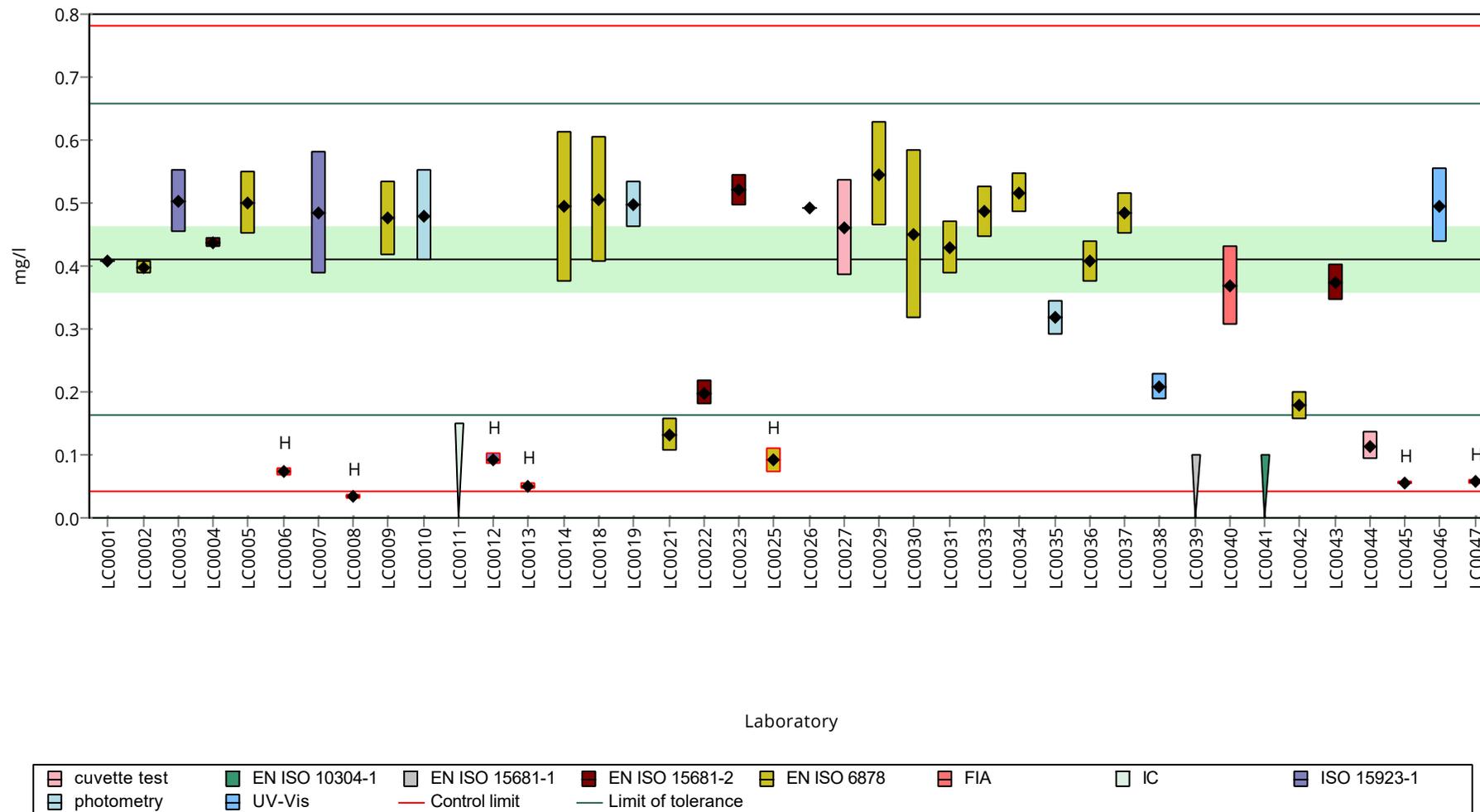
Labcode	Result \pm U	Recovery [%]	z-Score	Comments
LC0042	0.178 \pm 0.0231	43.3	-1.89	
LC0043	0.374 \pm 0.0284	91	-0.3	
LC0044	0.114 \pm 0.023	27.7	-2.41	
LC0045	0.0556 \pm 0.0018	13.5	-2.88	H
LC0046	0.496 \pm 0.058	121	0.69	
LC0047	0.0574 \pm 0.004	14	-2.87	H
LC0048	- \pm -	-	-	
LC0049	- \pm -	-	-	
LC0050	- \pm -	-	-	

Characteristics of parameter

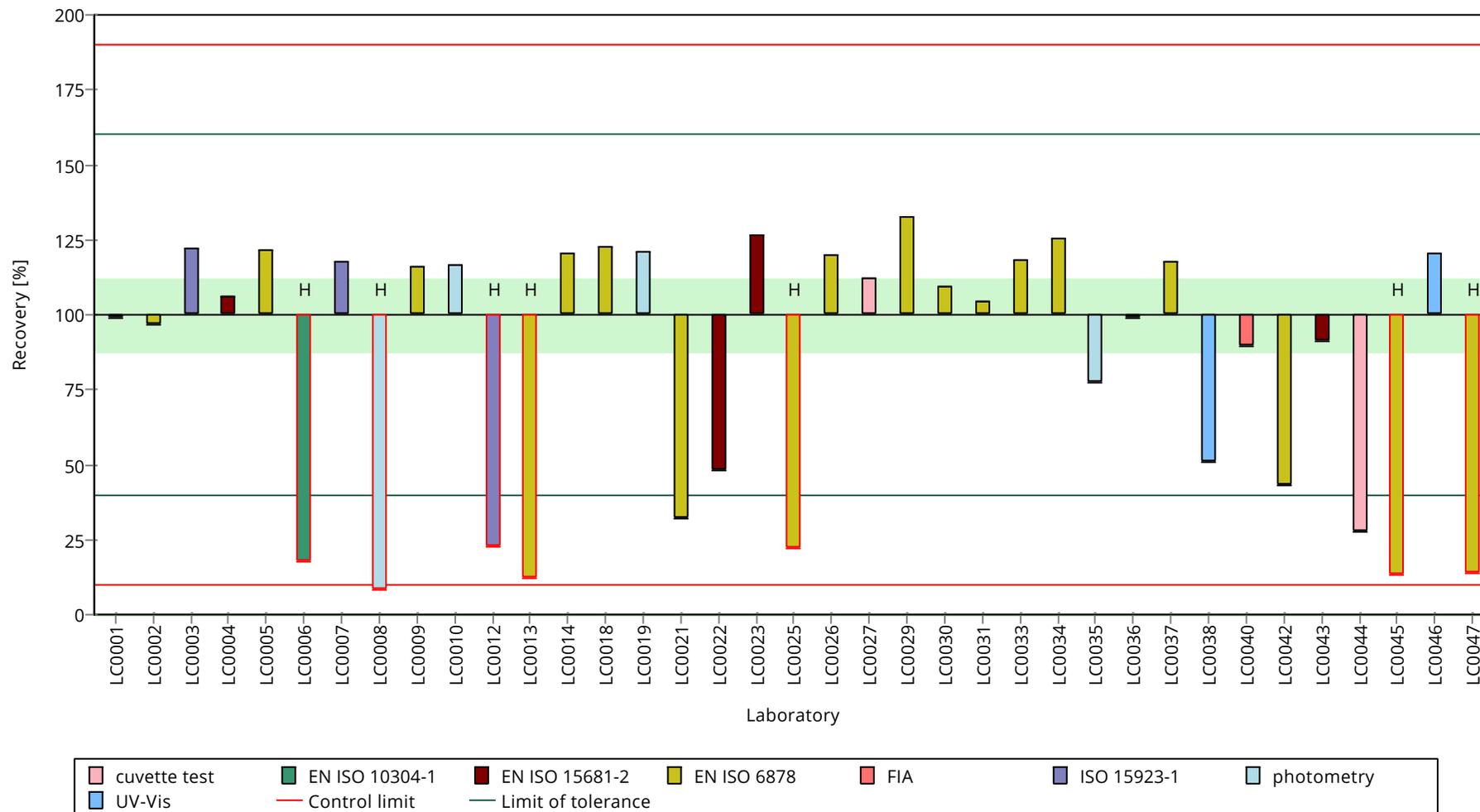
	all results	without outliers	Unit
Mean \pm CI (99%)	0.346 \pm 0.0874	0.412 \pm 0.0677	mg/l
Minimum	0.0337	0.114	mg/l
Maximum	0.546	0.546	mg/l
Standard deviation	0.177	0.124	mg/l
rel. standard deviation	51.2	30	%
n	37	30	-

Graphical presentation of results

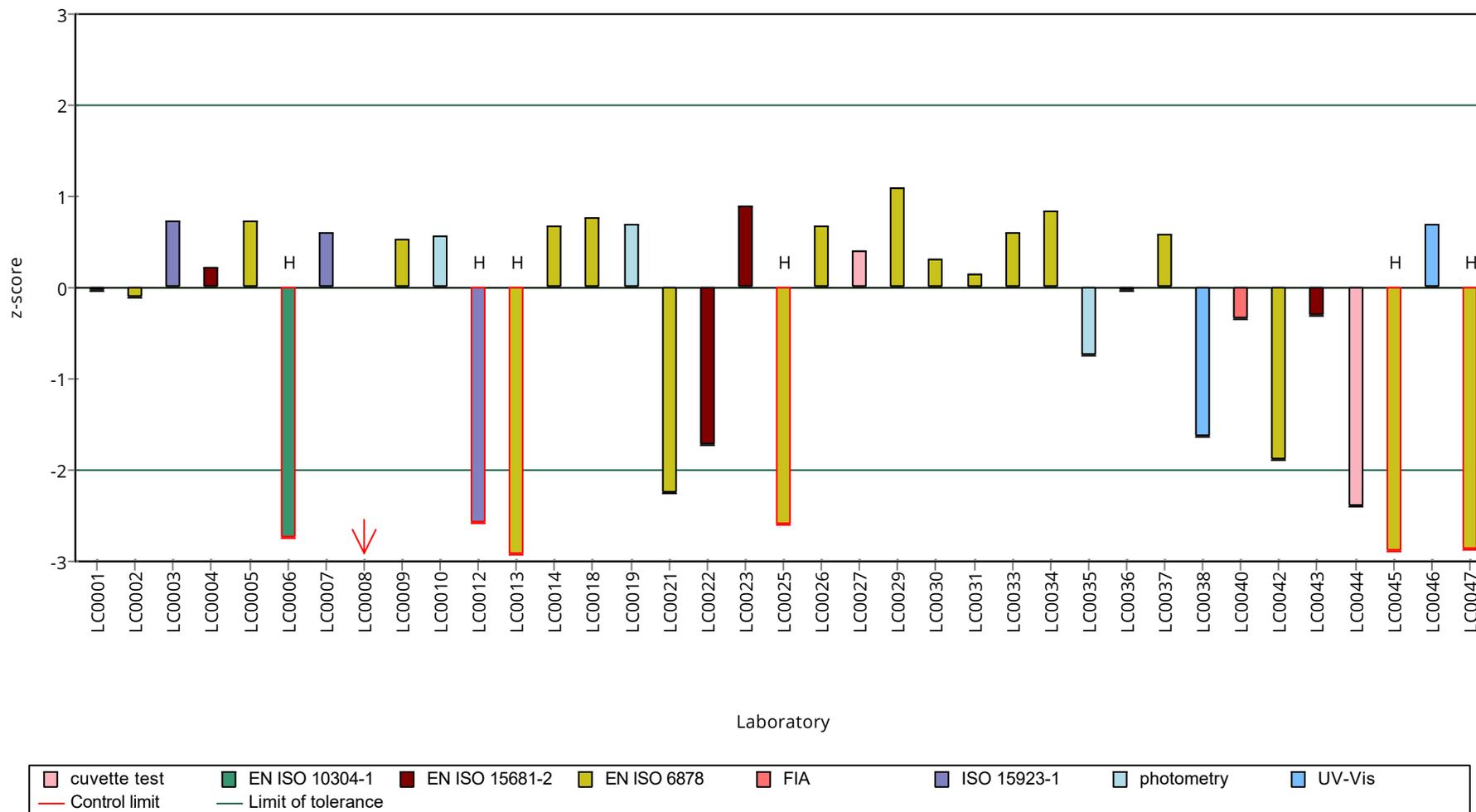
Results



Recovery rate



z-Score



Parameter oriented report

N180 A

pH-value

Unit -
Assigned value ± U (k=2) 7.6 ± 0.0251
Criterion 0.152 (2 %)
Minimum - Maximum 7.4 - 7.78
Control test value ± U (k=2) 7.80 ± 0.0998

Labcode	Result ± U	Recovery [%]	z-Score	Comments
LC0001	7.69 ± 0.01	101	0.56	
LC0002	7.78 ± 0.16	102	1.16	
LC0003	7.62 ± 0.15	100	0.1	
LC0004	7.63 ± 0.0763	100	0.17	
LC0005	- ± -	-	-	
LC0006	7.57 ± 0.1	99.6	-0.22	
LC0007	- ± -	-	-	
LC0008	7.6 ± 0.25	99.9	-0.03	
LC0009	7.74 ± 0.97	102	0.89	
LC0010	7.71 ± 0.39	101	0.7	
LC0011	7.85 ± 0.01	103	1.62	H
LC0012	7.52 ± 0.1	98.9	-0.55	
LC0013	7.62 ± 0.15	100	0.1	
LC0014	- ± -	-	-	
LC0015	- ± -	-	-	
LC0016	- ± -	-	-	
LC0017	- ± -	-	-	
LC0018	7.62 ± 0.4	100	0.1	
LC0019	7.5 ± 0.1	98.6	-0.68	
LC0020	7.57 ± 0.1	99.6	-0.22	
LC0021	7.6 ± 0.38	99.9	-0.03	
LC0022	7.54 ± 0.19	99.2	-0.42	
LC0023	7.61 ± 0.3	100	0.04	
LC0024	7.66 ± 0.11	101	0.37	
LC0025	7.6 ± 0.3	99.9	-0.03	
LC0026	7.868 ± 0.05	103	1.74	H
LC0027	7.61 ± 0.152	100	0.04	
LC0028	7.56 ± 0.76	99.4	-0.29	
LC0029	7.3 ± 0.2	96	-2	H
LC0030	7.4 ± 0.37	97.3	-1.34	
LC0031	7.85 ± 0.01	103	1.62	H
LC0032	7.58 ± 0.2	99.7	-0.16	
LC0033	7.55 ± 0.02	99.3	-0.36	
LC0034	7.62 ± 0.1	100	0.1	
LC0035	7.72 ± 0.0057	102	0.76	
LC0036	7.63 ± 0.23	100	0.17	
LC0037	7.59 ± 0.0759	99.8	-0.09	
LC0038	7.71 ± 0.1	101	0.7	
LC0039	7.66 ± 0.54	101	0.37	
LC0040	- ± -	-	-	
LC0041	7.55 ± 0.8	99.3	-0.36	

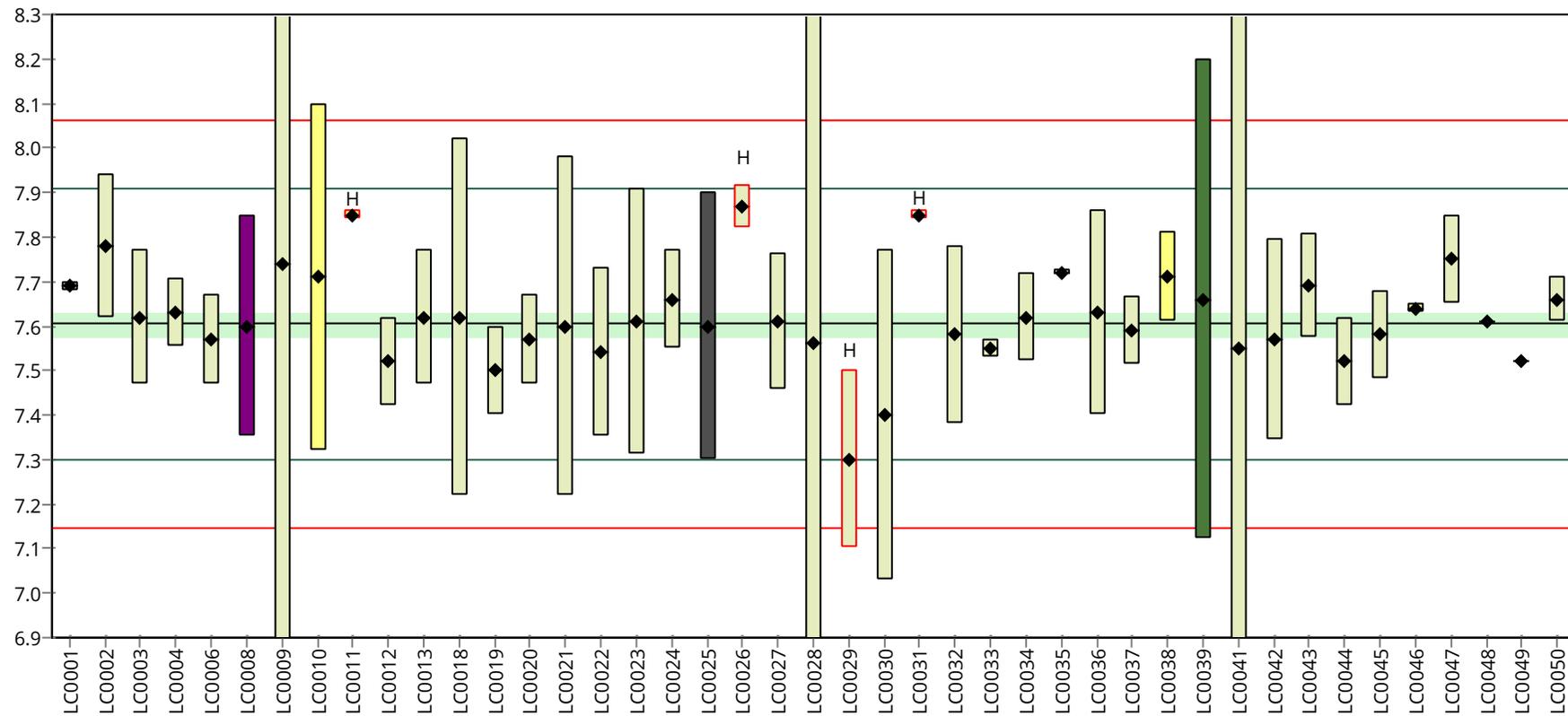
Labcode	Result ± U	Recovery [%]	z-Score	Comments
LC0042	7.57 ± 0.227	99.6	-0.22	
LC0043	7.69 ± 0.117	101	0.56	
LC0044	7.52 ± 0.1	98.9	-0.55	
LC0045	7.58 ± 0.1	99.7	-0.16	
LC0046	7.64 ± 0.01	100	0.24	
LC0047	7.75 ± 0.1	102	0.96	
LC0048	7.61 ± 0.001	100	0.04	
LC0049	7.52 ± 0.001	98.9	-0.55	
LC0050	7.66 ± 0.05	101	0.37	

Characteristics of parameter

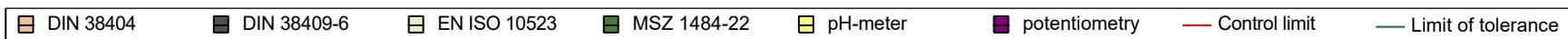
	all results	without outliers	Unit
Mean ± CI (99%)	7.62 ± 0.0496	7.61 ± 0.0367	-
Minimum	7.3	7.4	-
Maximum	7.87	7.78	-
Standard deviation	0.108	0.0764	-
rel. standard deviation	1.42	1	%
n	43	39	-

Graphical presentation of results

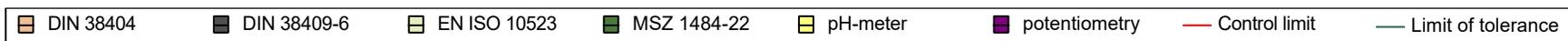
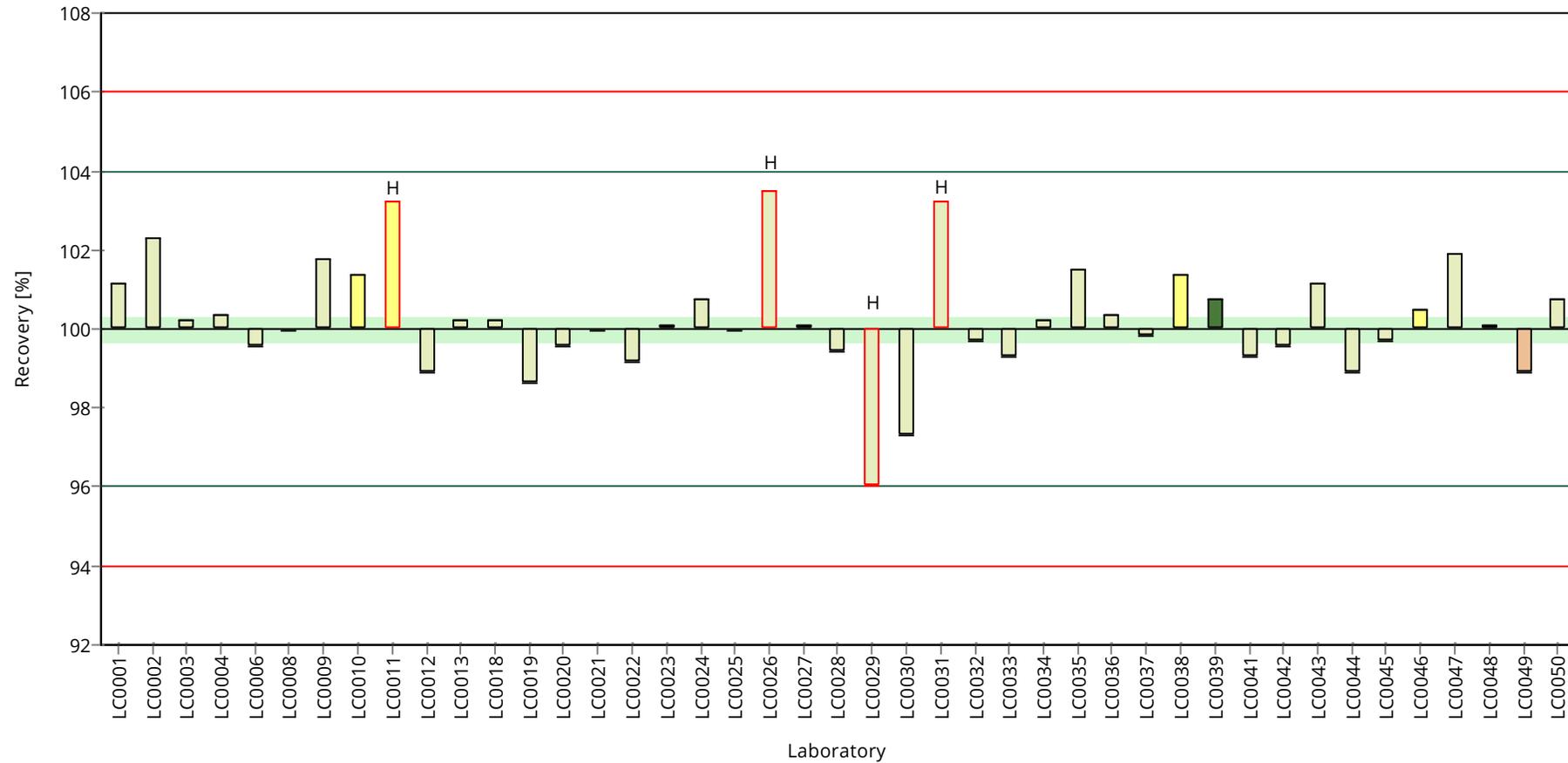
Results



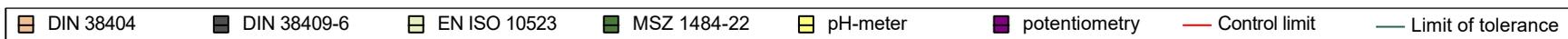
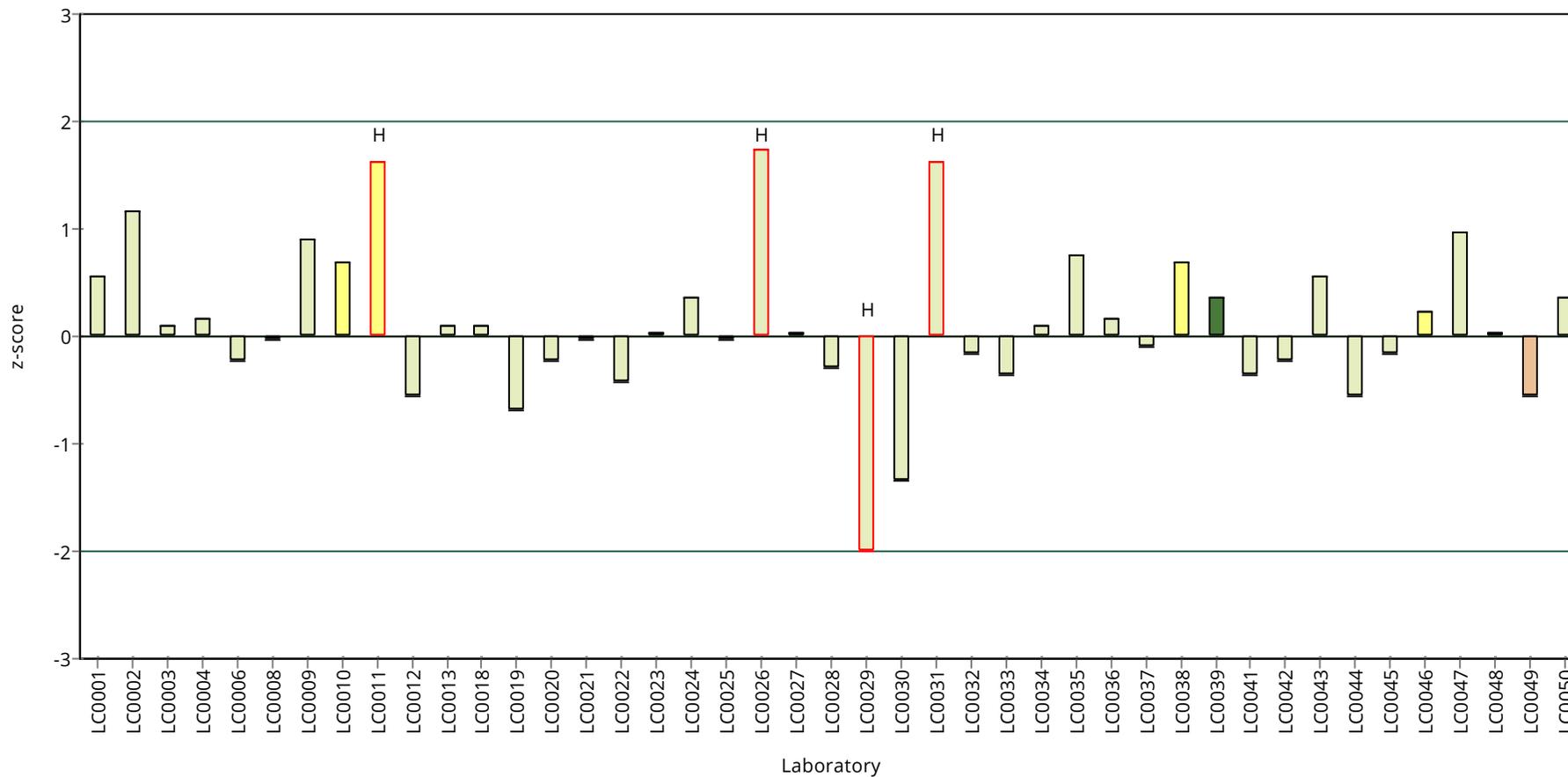
Laboratory



Recovery rate



z-Score



Parameter oriented report

N180 B

pH-value

Unit -
Assigned value ± U (k=2) 7.58 ± 0.0328
Criterion 0.152 (2 %)
Minimum - Maximum 7.4 - 7.84
Control test value ± U (k=2) 7.71 ± 0.0987

Labcode	Result ± U	Recovery [%]	z-Score	Comments
LC0001	7.63 ± 0.012	101	0.34	
LC0002	7.67 ± 0.15	101	0.61	
LC0003	7.49 ± 0.15	98.8	-0.58	
LC0004	7.58 ± 0.0758	100	0.01	
LC0005	- ± -	-	-	
LC0006	7.66 ± 0.1	101	0.54	
LC0007	- ± -	-	-	
LC0008	7.57 ± 0.25	99.9	-0.05	
LC0009	7.48 ± 0.94	98.7	-0.65	
LC0010	7.63 ± 0.38	101	0.34	
LC0011	8 ± 0.04	106	2.79	H
LC0012	7.61 ± 0.1	100	0.21	
LC0013	7.59 ± 0.15	100	0.08	
LC0014	7.81 ± 0.045	103	1.53	
LC0015	- ± -	-	-	
LC0016	- ± -	-	-	
LC0017	- ± -	-	-	
LC0018	7.55 ± 0.4	99.6	-0.18	
LC0019	7.49 ± 0.1	98.8	-0.58	
LC0020	7.43 ± 0.1	98	-0.98	
LC0021	7.51 ± 0.376	99.1	-0.45	
LC0022	7.47 ± 0.19	98.6	-0.71	
LC0023	7.45 ± 0.3	98.3	-0.84	
LC0024	7.57 ± 0.11	99.9	-0.05	
LC0025	7.4 ± 0.2	97.7	-1.17	
LC0026	7.763 ± 0.05	102	1.22	
LC0027	7.71 ± 0.154	102	0.87	
LC0028	7.6 ± 0.1	100	0.15	
LC0029	7 ± 0.2	92.4	-3.81	H
LC0030	7.4 ± 0.37	97.7	-1.17	
LC0031	7.84 ± 0.01	103	1.73	
LC0032	7.54 ± 0.2	99.5	-0.25	
LC0033	7.48 ± 0.015	98.7	-0.65	
LC0034	7.57 ± 0.1	99.9	-0.05	
LC0035	7.74 ± 0.0032	102	1.07	
LC0036	7.61 ± 0.23	100	0.21	
LC0037	7.56 ± 0.0756	99.8	-0.12	
LC0038	7.61 ± 0.1	100	0.21	
LC0039	7.51 ± 0.53	99.1	-0.45	
LC0040	- ± -	-	-	
LC0041	7.55 ± 0.76	99.6	-0.18	

Parameter oriented report Nutrients/Major Ions N180

Sample: N180B, Parameter: pH-value

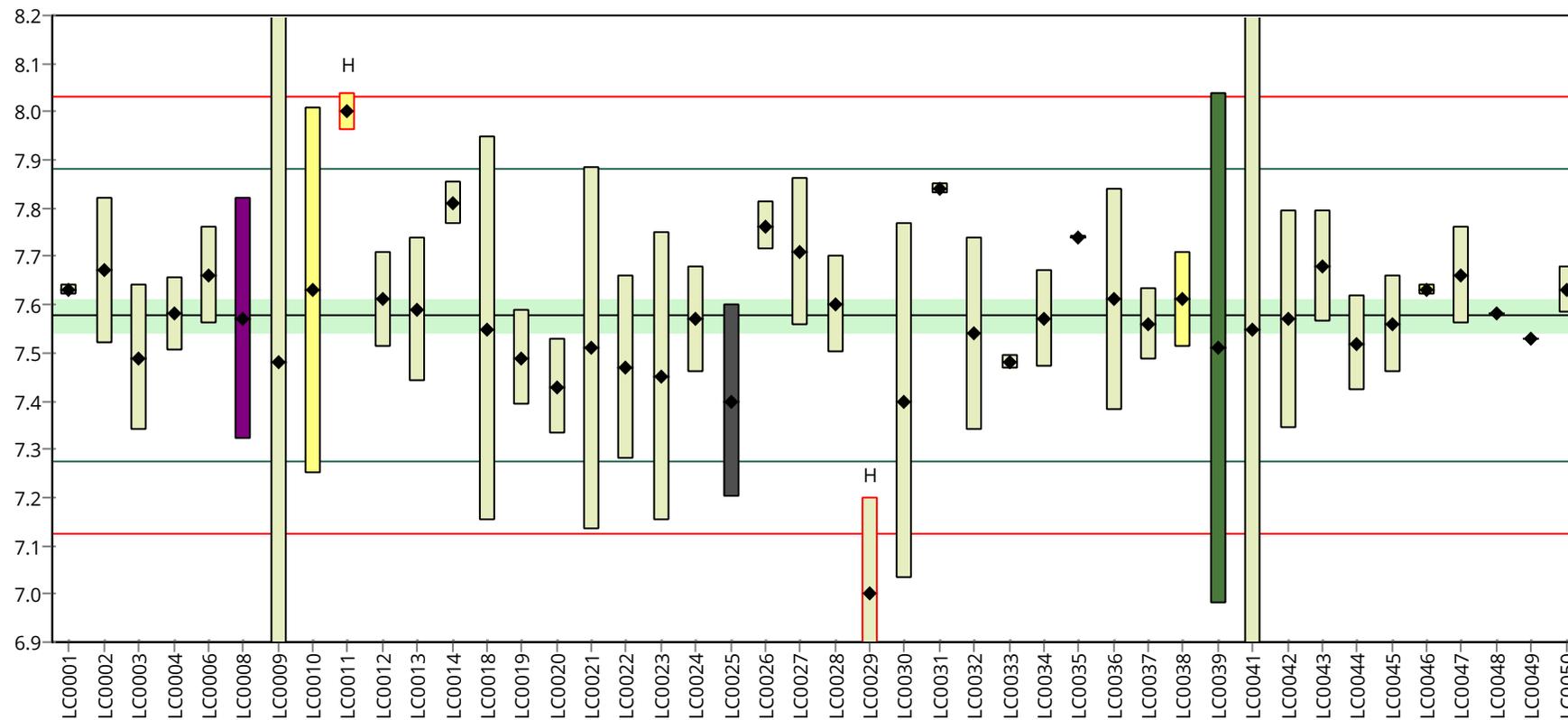
Labcode	Result \pm U	Recovery [%]	z-Score	Comments
LC0042	7.57 \pm 0.227	99.9	-0.05	
LC0043	7.68 \pm 0.117	101	0.67	
LC0044	7.52 \pm 0.1	99.2	-0.38	
LC0045	7.56 \pm 0.1	99.8	-0.12	
LC0046	7.63 \pm 0.01	101	0.34	
LC0047	7.66 \pm 0.1	101	0.54	
LC0048	7.58 \pm 0.001	100	0.01	
LC0049	7.53 \pm 0.001	99.4	-0.32	
LC0050	7.63 \pm 0.05	101	0.34	

Characteristics of parameter

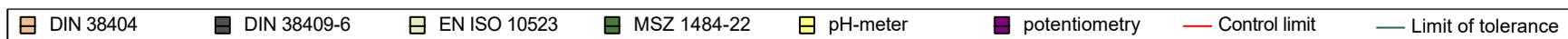
	all results	without outliers	Unit
Mean \pm CI (99%)	7.58 \pm 0.0664	7.58 \pm 0.0465	-
Minimum	7	7.4	-
Maximum	8	7.84	-
Standard deviation	0.147	0.1	-
rel. standard deviation	1.94	1.32	%
n	44	42	-

Graphical presentation of results

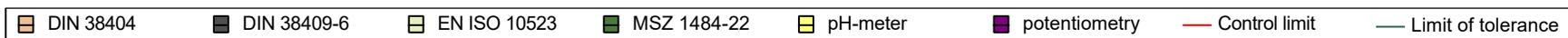
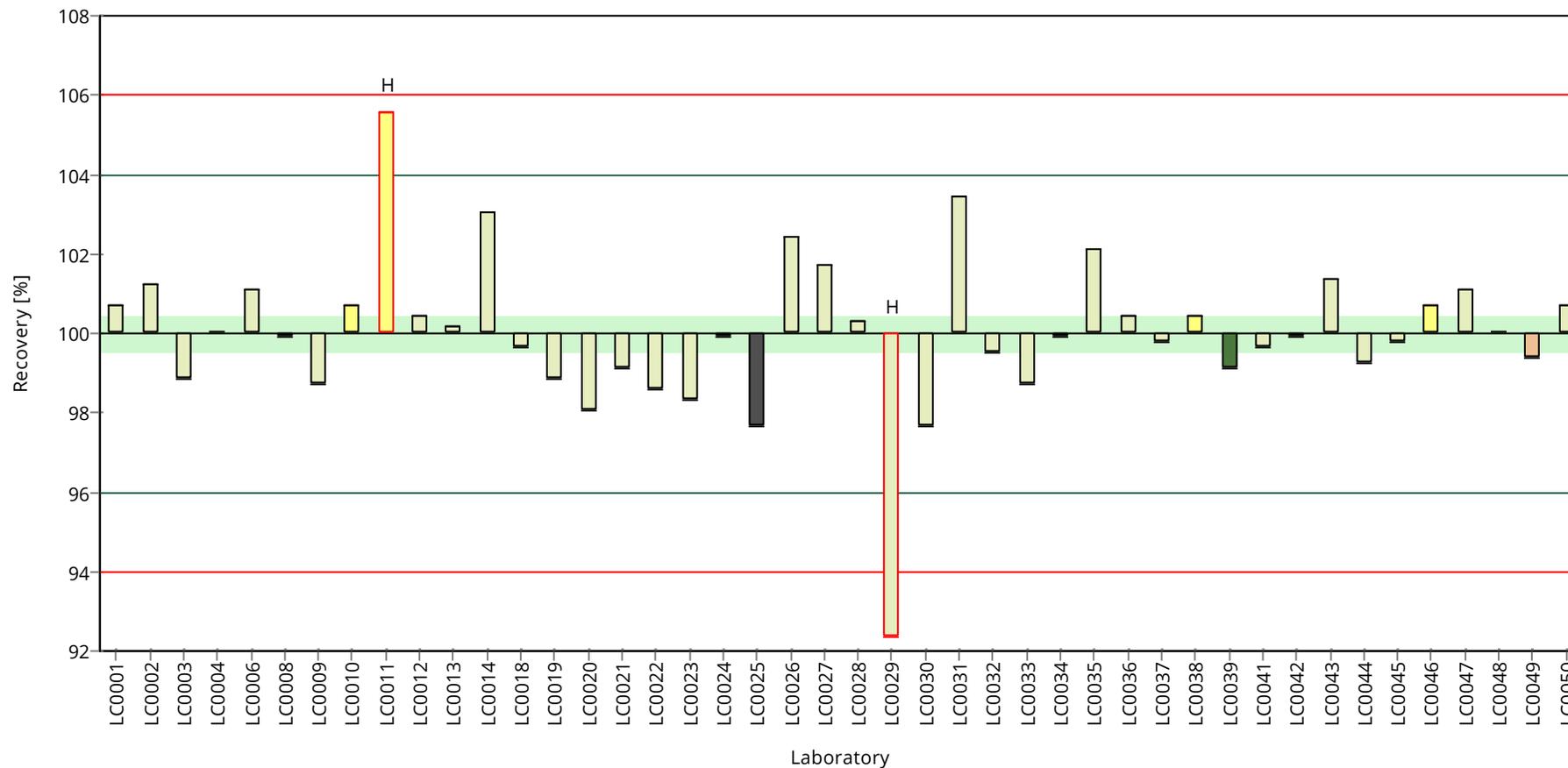
Results



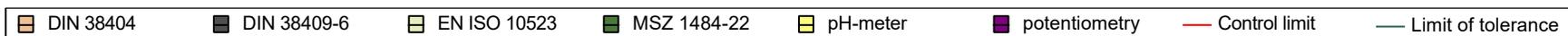
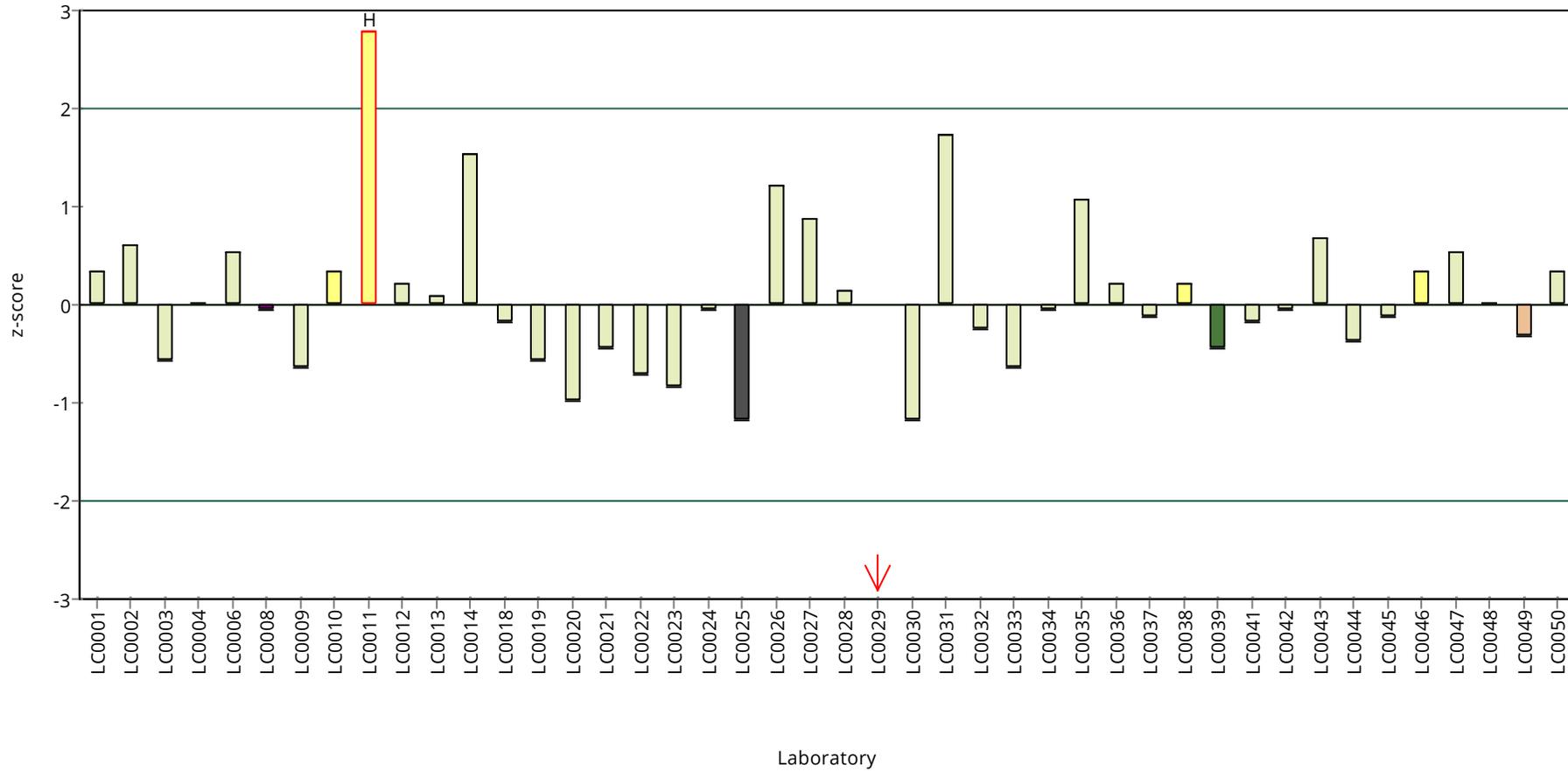
Laboratory



Recovery rate



z-Score



Parameter oriented report

N180 A

Potassium

Unit	mg/l
Assigned value ± U (k=2)	2.5 ± 0.0456
Criterion	0.13 (5.2 %)
Minimum - Maximum	2.29 - 2.82
Control test value ± U (k=2)	2.21 ± 0.332

Labcode	Result ± U	Recovery [%]	z-Score	Comments
LC0001	2.47 ± 0.006	99	-0.2	
LC0002	2.63 ± 0.181	105	1.04	
LC0003	- ± -	-	-	
LC0004	2.56 ± 0.0156	103	0.5	
LC0005	- ± -	-	-	
LC0006	2.4 ± 0.15	96.2	-0.73	
LC0007	- ± -	-	-	
LC0008	2.54 ± 0.14986	102	0.34	
LC0009	2.36 ± 0.354	94.6	-1.04	
LC0010	2.41 ± 0.18	96.6	-0.66	
LC0011	2.656 ± 0.028	106	1.24	
LC0012	2.52 ± 0.126	101	0.19	
LC0013	2.33 ± 0.35	93.4	-1.27	
LC0014	- ± -	-	-	
LC0015	2.92 ± 0.15	117	3.27	H
LC0016	- ± -	-	-	
LC0017	- ± -	-	-	
LC0018	2.45 ± 0.4	98.2	-0.35	
LC0019	2.48 ± 0.434	99.4	-0.12	
LC0020	- ± -	-	-	
LC0021	- ± -	-	-	
LC0022	2.61 ± 0.091	105	0.88	
LC0023	2.4 ± 0.19	96.2	-0.73	
LC0024	- ± -	-	-	
LC0025	2.29 ± 0.18	91.8	-1.58	
LC0026	2.38 ± 0.1	95.4	-0.89	
LC0027	2.4 ± 0.415	96.2	-0.73	
LC0028	2.33 ± 0.23	93.4	-1.27	
LC0029	2.51 ± 0.251	101	0.11	
LC0030	- ± -	-	-	
LC0031	2.8 ± 0.38	112	2.35	
LC0032	2.475 ± 0.267	99.2	-0.16	
LC0033	2.31 ± 0.18	92.6	-1.43	
LC0034	2.5 ± 0.1	100	0.04	
LC0035	2.52 ± 0.0054	101	0.19	
LC0036	2.82 ± 0.42	113	2.5	
LC0037	2.435 ± 0.134	97.6	-0.46	
LC0038	2.6 ± 0.1	104	0.81	
LC0039	2.346 ± 0.16	94	-1.15	
LC0040	- ± -	-	-	
LC0041	2.55 ± 0.51	102	0.42	

Parameter oriented report Nutrients/Major Ions N180

Sample: N180A, Parameter: Potassium

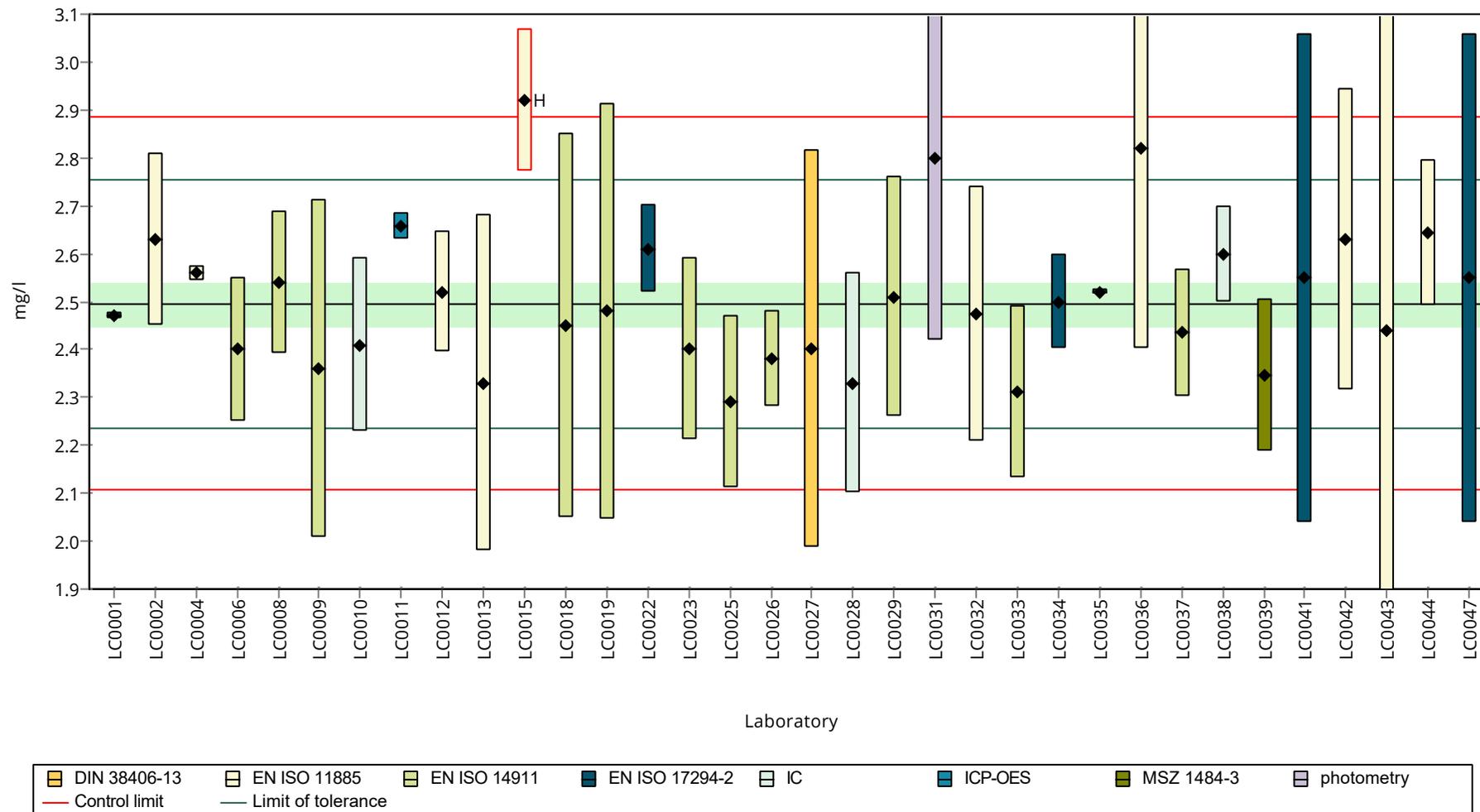
Labcode	Result \pm U	Recovery [%]	z-Score	Comments
LC0042	2.63 \pm 0.316	105	1.04	
LC0043	2.44 \pm 1.16	97.8	-0.43	
LC0044	2.643 \pm 0.152	106	1.14	
LC0045	- \pm -	-	-	
LC0046	- \pm -	-	-	
LC0047	2.55 \pm 0.51	102	0.42	
LC0048	- \pm -	-	-	
LC0049	- \pm -	-	-	
LC0050	- \pm -	-	-	

Characteristics of parameter

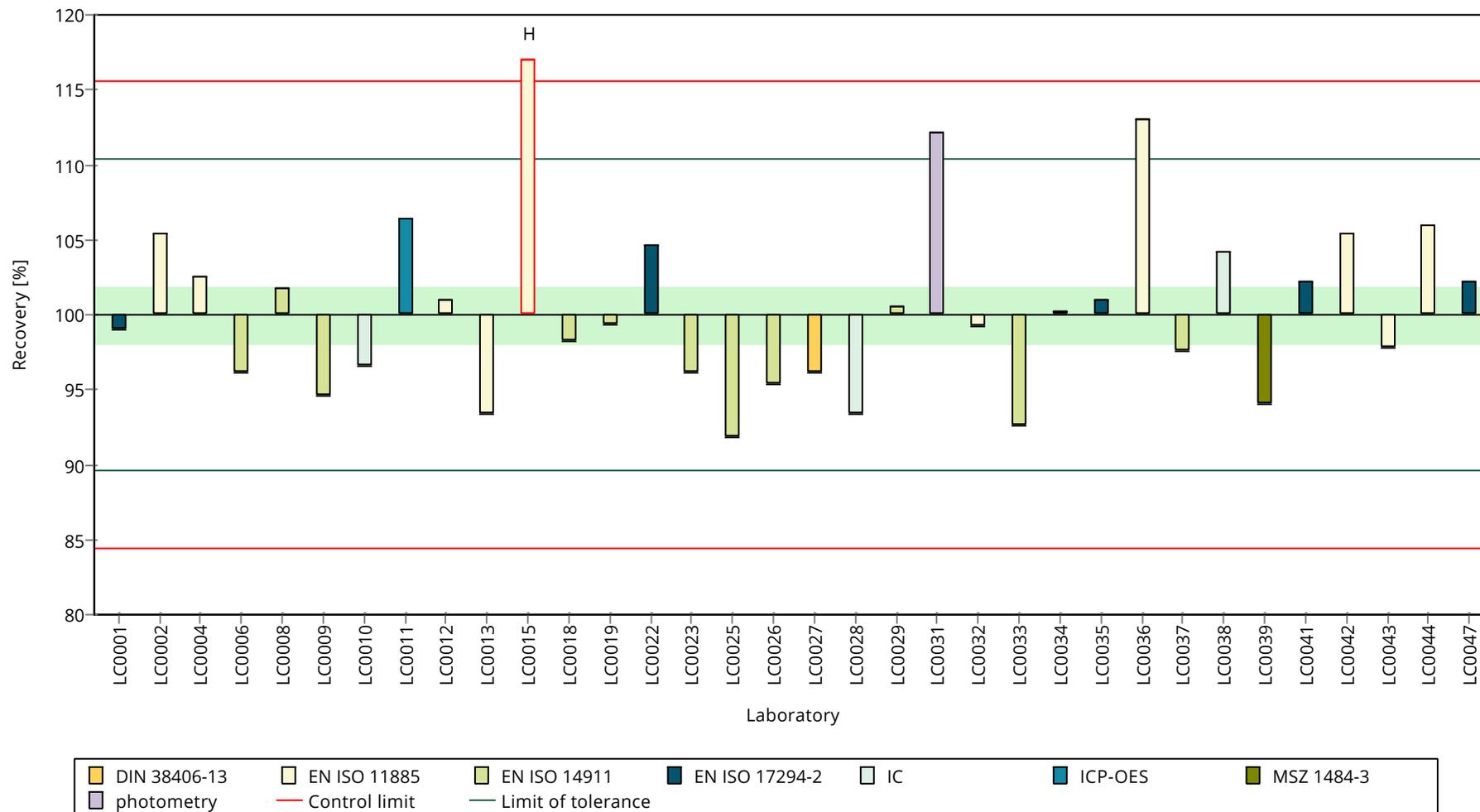
	all results	without outliers	Unit
Mean \pm CI (99%)	2.51 \pm 0.0762	2.5 \pm 0.0684	mg/l
Minimum	2.29	2.29	mg/l
Maximum	2.92	2.82	mg/l
Standard deviation	0.148	0.131	mg/l
rel. standard deviation	5.91	5.25	%
n	34	33	-

Graphical presentation of results

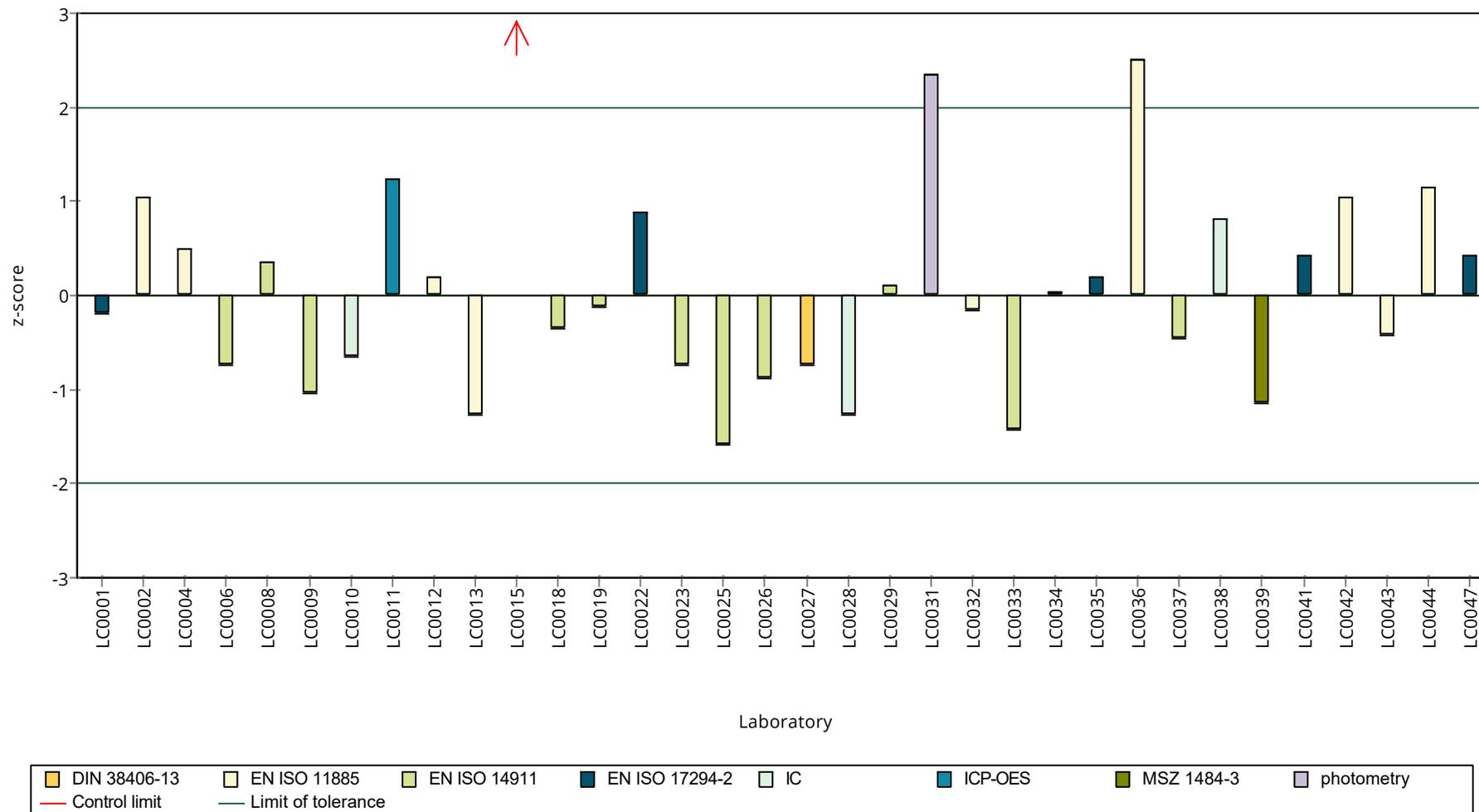
Results



Recovery rate



z-Score



Parameter oriented report

N180 B

Potassium

Unit mg/l
Assigned value ± U (k=2) 2.79 ± 0.0421
Criterion 0.145 (5.2 %)
Minimum - Maximum 2.6 - 3.1
Control test value ± U (k=2) 2.52 ± 0.377

Labcode	Result ± U	Recovery [%]	z-Score	Comments
LC0001	2.95 ± 0.064	106	1.07	
LC0002	2.94 ± 0.202	105	1	
LC0003	- ± -	-	-	
LC0004	2.83 ± 0.0159	101	0.24	
LC0005	- ± -	-	-	
LC0006	2.66 ± 0.17	95.2	-0.93	
LC0007	- ± -	-	-	
LC0008	2.82 ± 0.16638	101	0.17	
LC0009	2.68 ± 0.402	95.9	-0.79	
LC0010	2.72 ± 0.2	97.3	-0.51	
LC0011	2.843 ± 0.017	102	0.33	
LC0012	2.81 ± 0.1405	101	0.11	
LC0013	2.61 ± 0.39	93.4	-1.27	
LC0014	- ± -	-	-	
LC0015	3.1 ± 0.16	111	2.1	
LC0016	- ± -	-	-	
LC0017	- ± -	-	-	
LC0018	2.85 ± 0.4	102	0.38	
LC0019	2.83 ± 0.495	101	0.24	
LC0020	- ± -	-	-	
LC0021	- ± -	-	-	
LC0022	2.92 ± 0.1	104	0.86	
LC0023	2.69 ± 0.21	96.3	-0.72	
LC0024	- ± -	-	-	
LC0025	2.6 ± 0.21	93	-1.34	
LC0026	2.66 ± 0.1	95.2	-0.93	
LC0027	2.69 ± 0.465	96.3	-0.72	
LC0028	2.7 ± 0.27	96.6	-0.65	
LC0029	2.85 ± 0.285	102	0.38	
LC0030	- ± -	-	-	
LC0031	3 ± 0.39	107	1.41	
LC0032	2.708 ± 0.297	96.9	-0.6	
LC0033	2.85 ± 0.22	102	0.38	
LC0034	2.8 ± 0.09	100	0.04	
LC0035	2.77 ± 0.015	99.1	-0.17	
LC0036	2.61 ± 0.39	93.4	-1.27	
LC0037	2.757 ± 0.151	98.6	-0.26	
LC0038	2.91 ± 0.1	104	0.79	
LC0039	2.597 ± 0.18	92.9	-1.36	
LC0040	- ± -	-	-	
LC0041	2.85 ± 0.57	102	0.38	

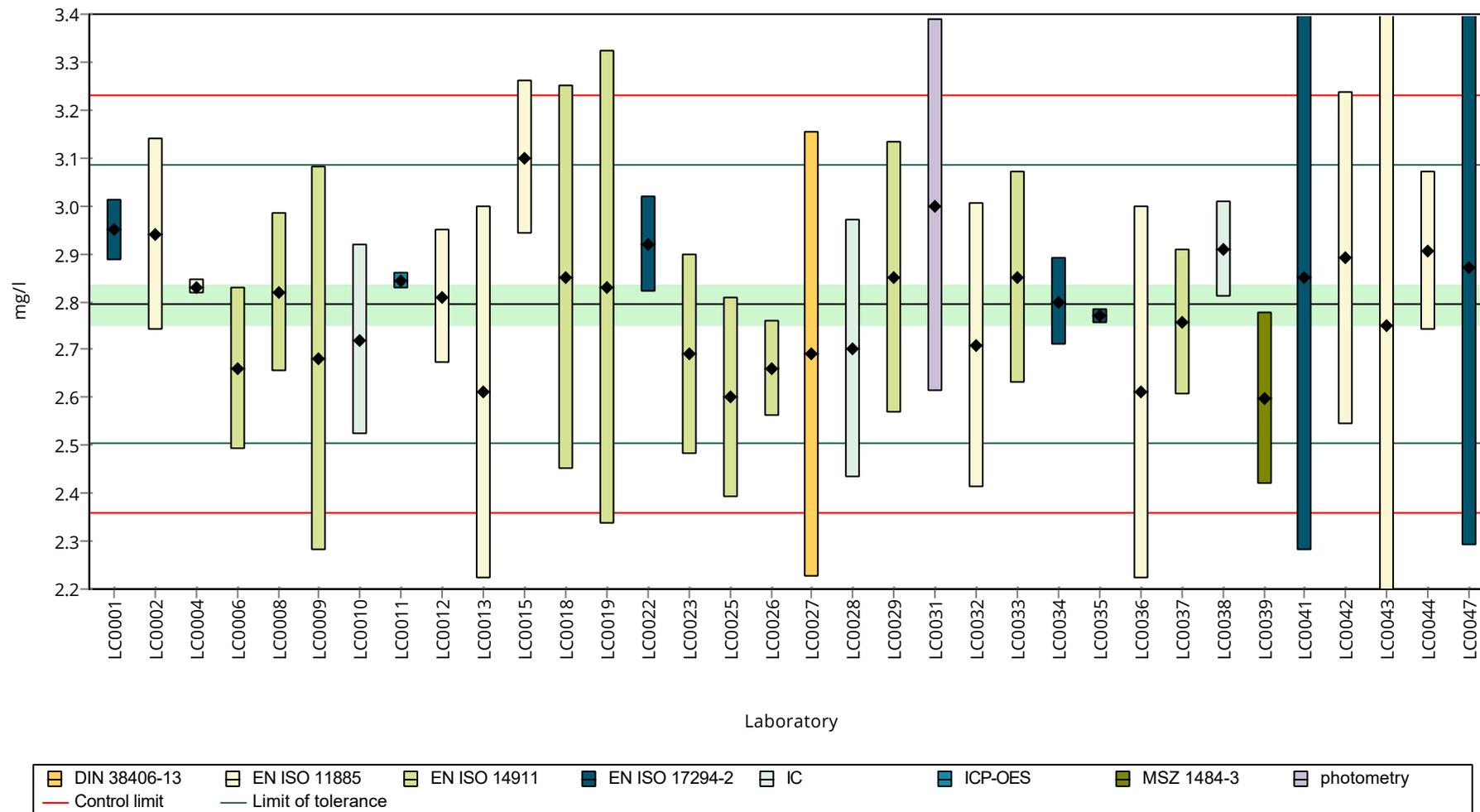
Labcode	Result ± U	Recovery [%]	z-Score	Comments
LC0042	2.89 ± 0.347	103	0.66	
LC0043	2.75 ± 1.31	98.4	-0.31	
LC0044	2.906 ± 0.167	104	0.77	
LC0045	- ± -	-	-	
LC0046	- ± -	-	-	
LC0047	2.87 ± 0.58	103	0.52	
LC0048	- ± -	-	-	
LC0049	- ± -	-	-	
LC0050	- ± -	-	-	

Characteristics of parameter

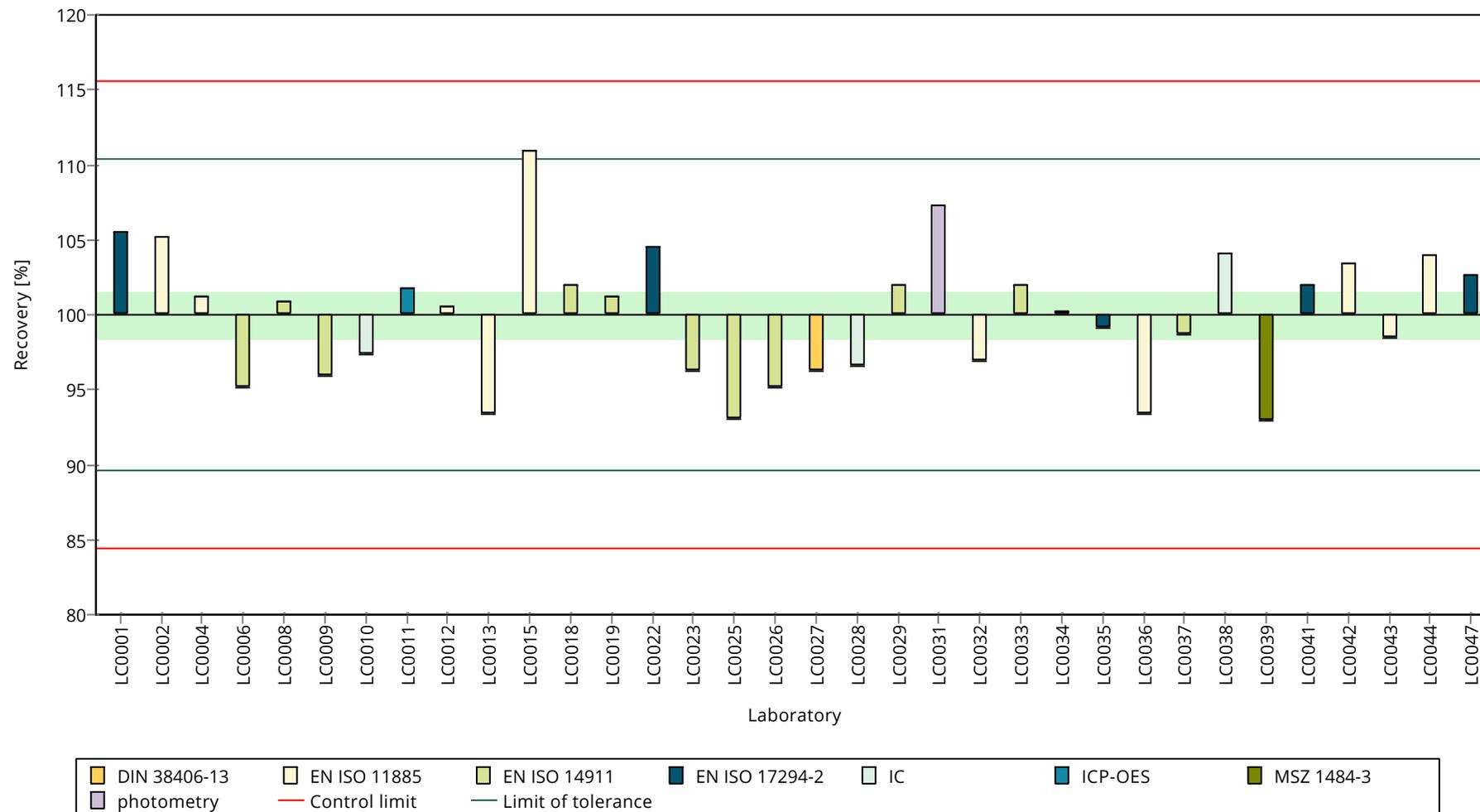
	all results	without outliers	Unit
Mean ± CI (99%)	2.79 ± 0.0632	2.79 ± 0.0632	mg/l
Minimum	2.6	2.6	mg/l
Maximum	3.1	3.1	mg/l
Standard deviation	0.123	0.123	mg/l
rel. standard deviation	4.39	4.39	%
n	34	34	-

Graphical presentation of results

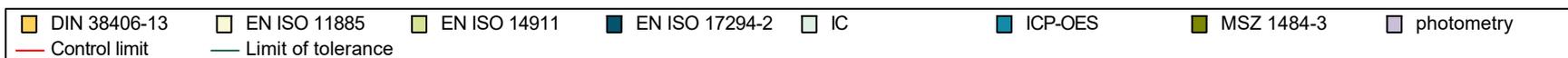
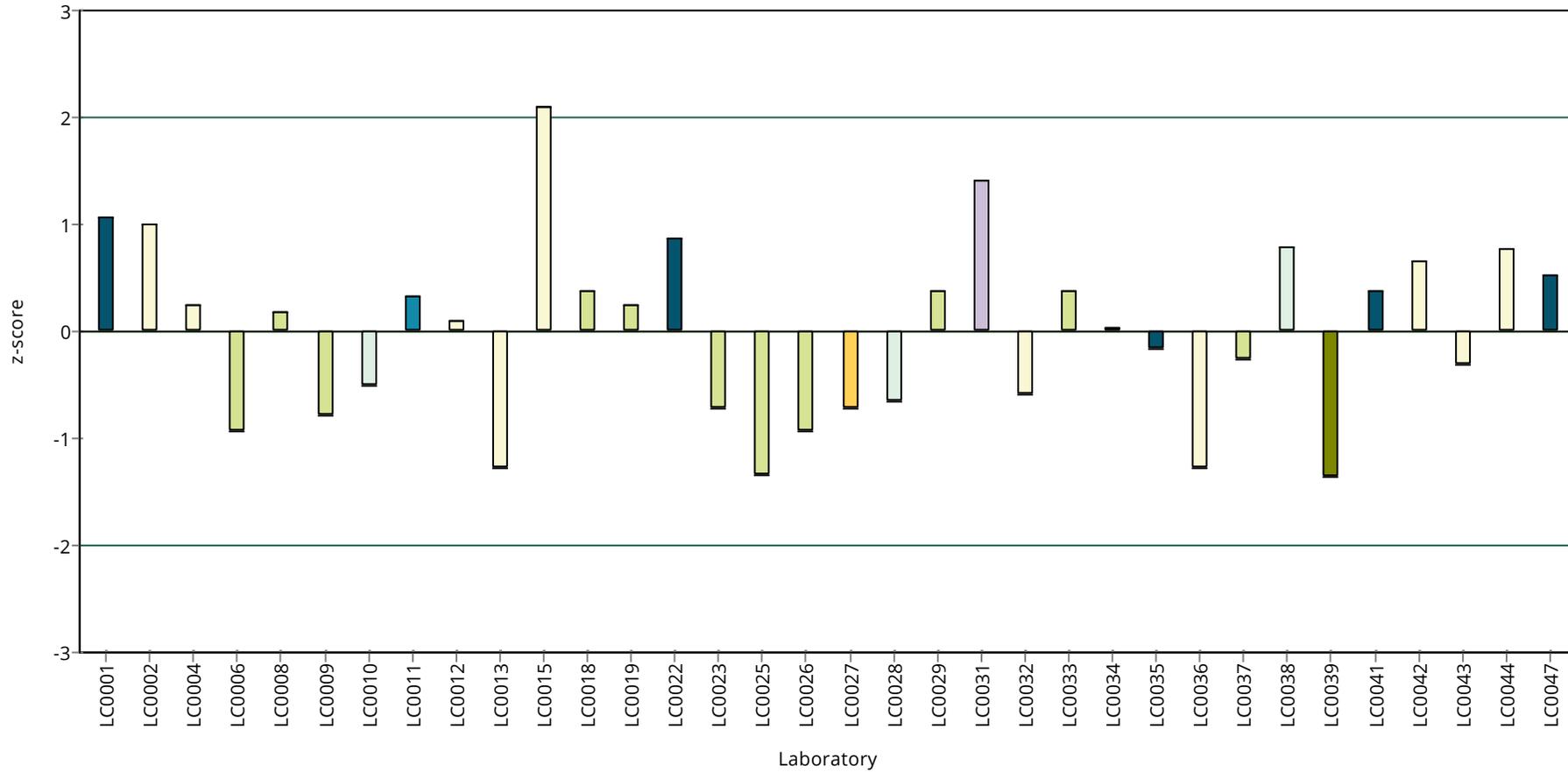
Results



Recovery rate



z-Score



Parameter oriented report

N180 A

Sodium

Unit	mg/l
Assigned value ± U (k=2)	23.3 ± 0.188
Criterion	0.791 (3.4 %)
Minimum - Maximum	22.2 - 24.5
Control test value ± U (k=2)	23.4 ± 3.52

Labcode	Result ± U	Recovery [%]	z-Score	Comments
LC0001	23.9 ± 0.153	103	0.81	
LC0002	24.5 ± 1.74	105	1.57	
LC0003	- ± -	-	-	
LC0004	23.1 ± 0.214	99.3	-0.2	
LC0005	- ± -	-	-	
LC0006	23 ± 3.2	98.9	-0.33	
LC0007	- ± -	-	-	
LC0008	22.96 ± 0.4592	98.7	-0.38	
LC0009	24.3 ± 3.645	104	1.32	
LC0010	22.6 ± 1.7	97.2	-0.83	
LC0011	22.446 ± 0.051	96.5	-1.03	
LC0012	23.8 ± 1.19	102	0.69	
LC0013	23.2 ± 3.5	99.8	-0.07	
LC0014	- ± -	-	-	
LC0015	22.9 ± 1.3	98.5	-0.45	
LC0016	- ± -	-	-	
LC0017	- ± -	-	-	
LC0018	23.5 ± 4	101	0.31	
LC0019	23.06 ± 1.153	99.1	-0.25	
LC0020	- ± -	-	-	
LC0021	- ± -	-	-	
LC0022	24 ± 0.84	103	0.94	
LC0023	23 ± 0.7	98.9	-0.33	
LC0024	- ± -	-	-	
LC0025	23.1 ± 6.5	99.3	-0.2	
LC0026	23.03 ± 0.2	99	-0.29	
LC0027	24.61 ± 0.967	106	1.71	H
LC0028	23.3 ± 2.3	100	0.05	
LC0029	23.12 ± 2.312	99.4	-0.17	
LC0030	- ± -	-	-	
LC0031	24.7 ± 0.22	106	1.82	H
LC0032	23.1 ± 2.43	99.3	-0.2	
LC0033	23.4 ± 1.03	101	0.18	
LC0034	22.7 ± 0.7	97.6	-0.71	
LC0035	26.82 ± 0.235	115	4.5	H
LC0036	23.2 ± 3	99.8	-0.07	
LC0037	23.56 ± 2.68	101	0.38	
LC0038	24.7 ± 1.2	106	1.82	H
LC0039	22.16 ± 1.55	95.3	-1.39	
LC0040	- ± -	-	-	
LC0041	23.5 ± 4.7	101	0.31	

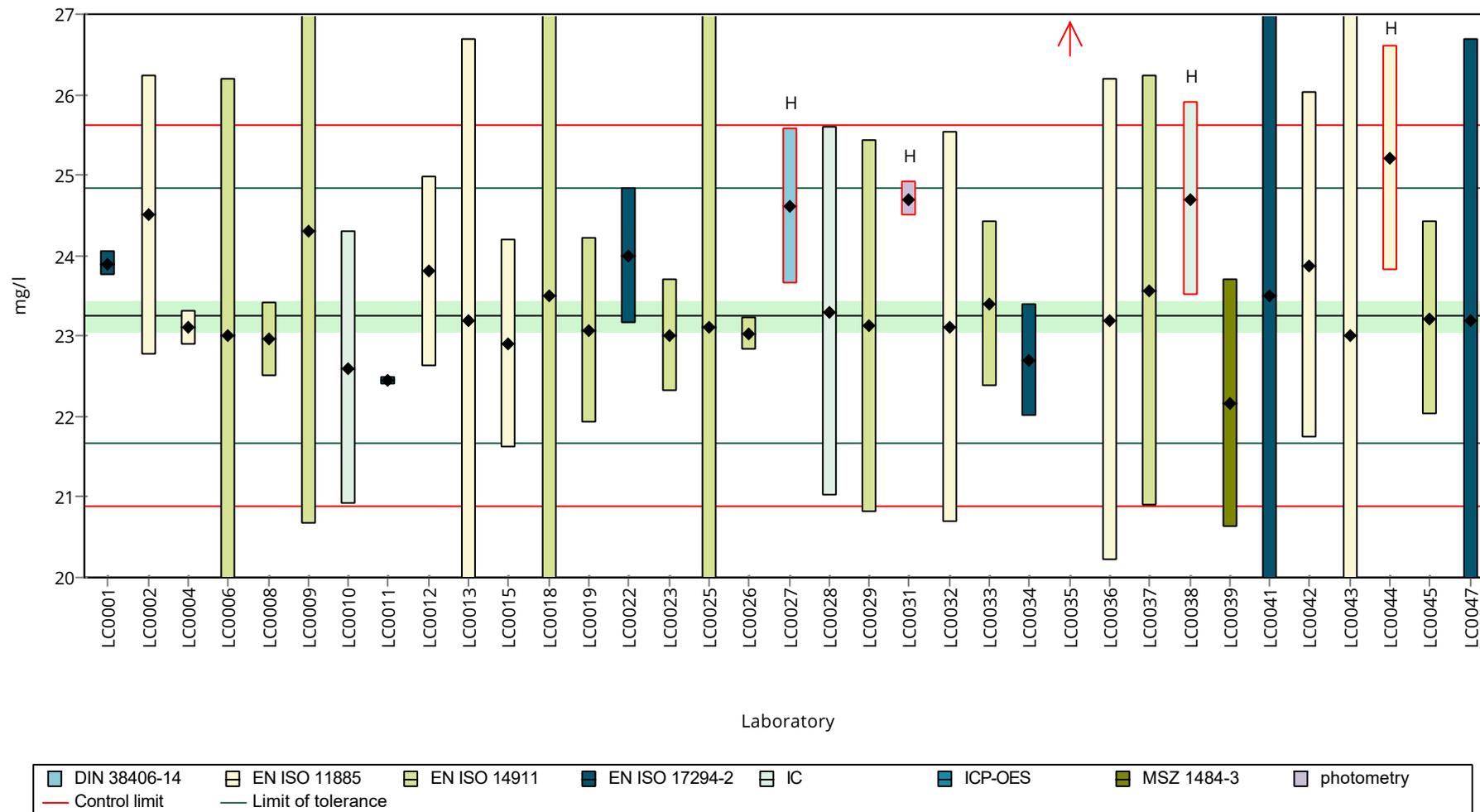
Labcode	Result ± U	Recovery [%]	z-Score	Comments
LC0042	23.88 ± 2.149	103	0.79	
LC0043	23 ± 4.21	98.9	-0.33	
LC0044	25.2 ± 1.4	108	2.46	H
LC0045	23.22 ± 1.2	99.8	-0.05	
LC0046	- ± -	-	-	
LC0047	23.2 ± 3.5	99.8	-0.07	
LC0048	- ± -	-	-	
LC0049	- ± -	-	-	
LC0050	- ± -	-	-	

Characteristics of parameter

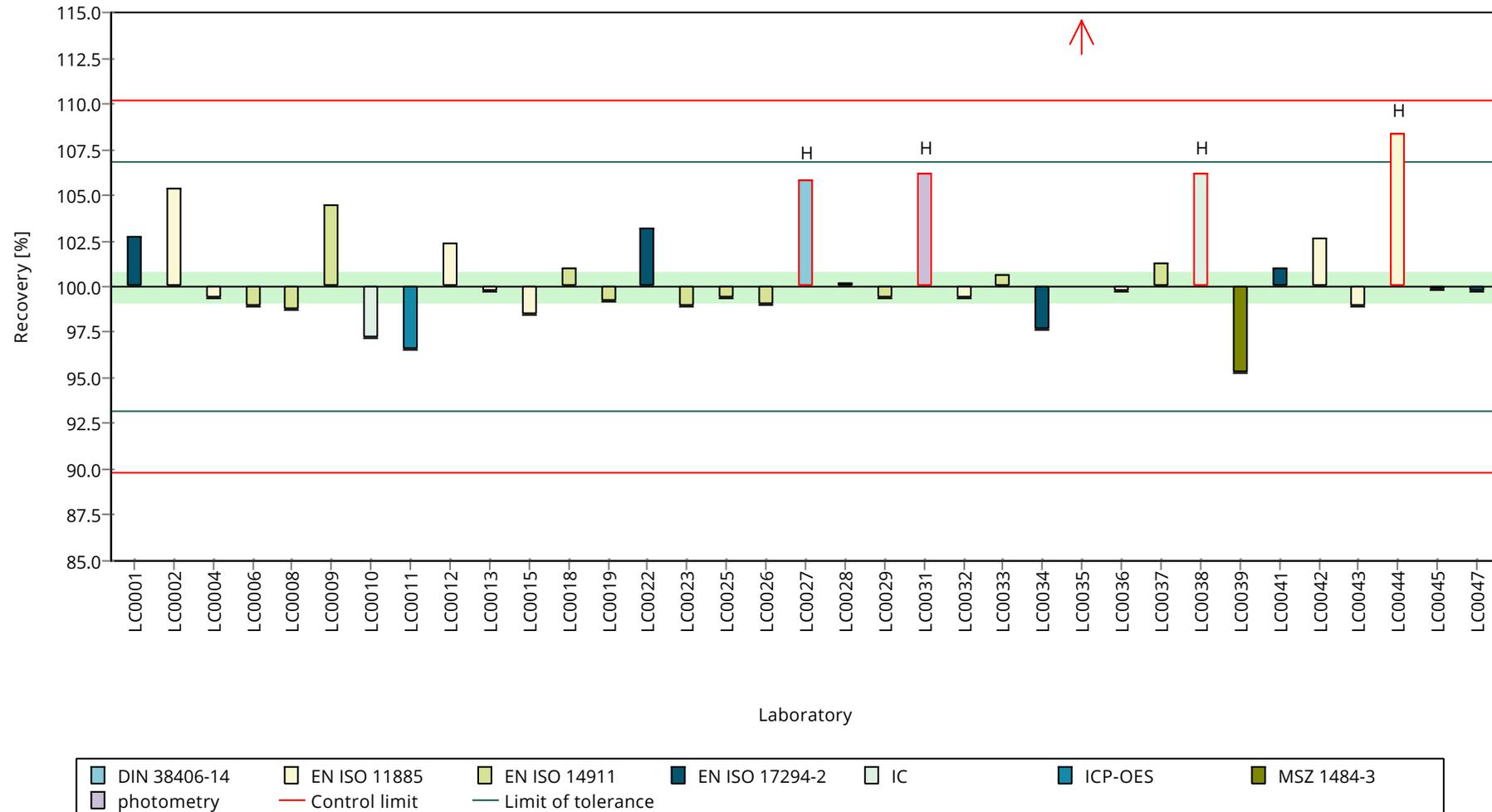
	all results	without outliers	Unit
Mean ± CI (99%)	23.5 ± 0.456	23.3 ± 0.283	mg/l
Minimum	22.2	22.2	mg/l
Maximum	26.8	24.5	mg/l
Standard deviation	0.899	0.516	mg/l
rel. standard deviation	3.82	2.22	%
n	35	30	-

Graphical presentation of results

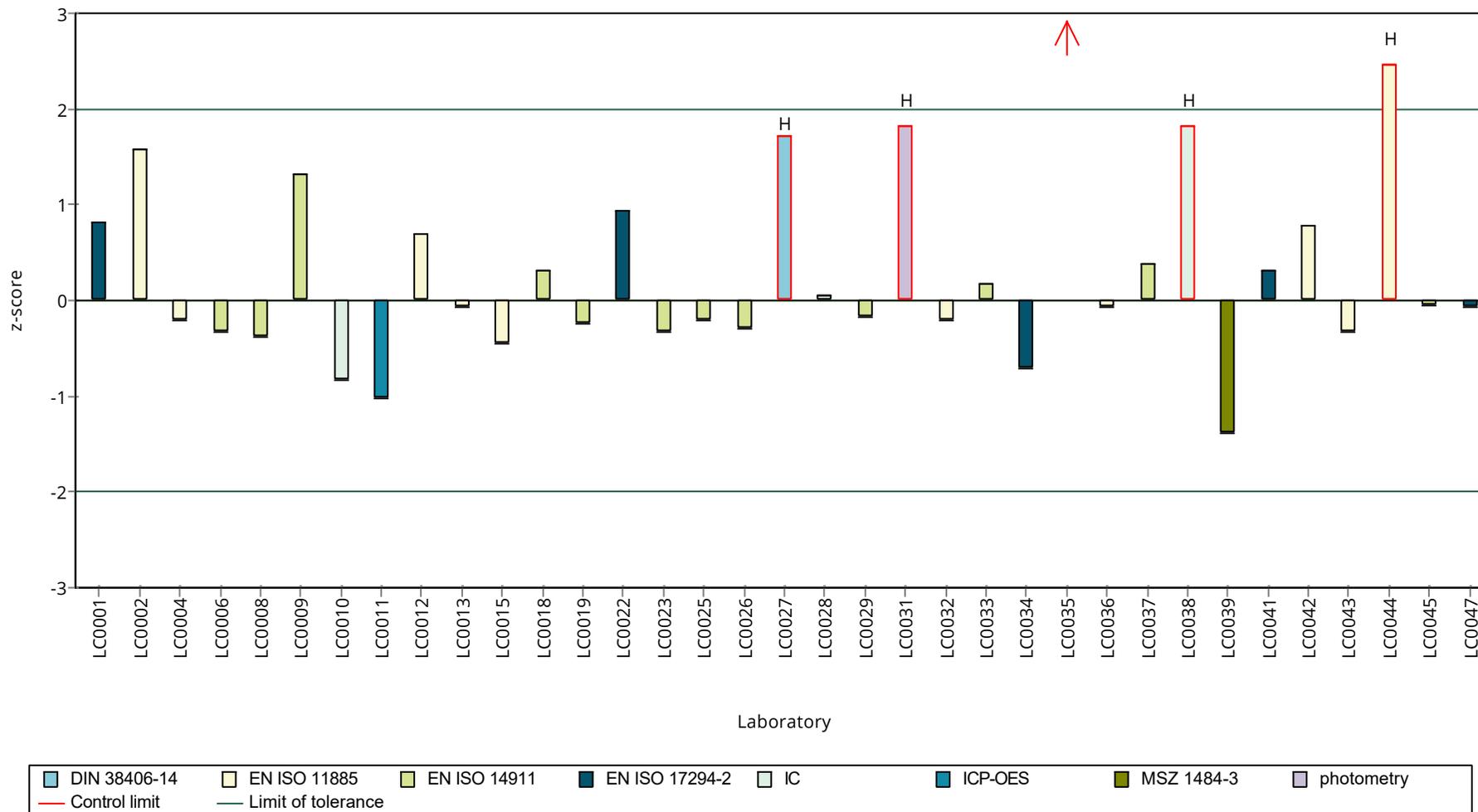
Results



Recovery rate



z-Score



Parameter oriented report

N180 B

Sodium

Unit	mg/l
Assigned value ± U (k=2)	24.8 ± 0.253
Criterion	0.844 (3.4 %)
Minimum - Maximum	23.4 - 26.5
Control test value ± U (k=2)	26.7 ± 4

Labcode	Result ± U	Recovery [%]	z-Score	Comments
LC0001	25.7 ± 0.351	104	1.03	
LC0002	26.5 ± 1.89	107	1.98	
LC0003	- ± -	-	-	
LC0004	24.7 ± 0.213	99.5	-0.15	
LC0005	- ± -	-	-	
LC0006	24.2 ± 3.4	97.5	-0.75	
LC0007	- ± -	-	-	
LC0008	24.71 ± 0.4942	99.5	-0.14	
LC0009	25 ± 3.75	101	0.2	
LC0010	24.1 ± 1.8	97.1	-0.86	
LC0011	23.37 ± 0.065	94.1	-1.73	
LC0012	24.4 ± 1.22	98.3	-0.51	
LC0013	25.5 ± 3.8	103	0.79	
LC0014	- ± -	-	-	
LC0015	23.9 ± 1.3	96.3	-1.1	
LC0016	- ± -	-	-	
LC0017	- ± -	-	-	
LC0018	25.2 ± 4	101	0.44	
LC0019	24.6 ± 1.23	99.1	-0.27	
LC0020	- ± -	-	-	
LC0021	- ± -	-	-	
LC0022	25.62 ± 0.9	103	0.94	
LC0023	24.5 ± 0.8	98.7	-0.39	
LC0024	- ± -	-	-	
LC0025	24.9 ± 1.49	100	0.08	
LC0026	24.76 ± 0.2	99.7	-0.08	
LC0027	24.97 ± 0.981	101	0.17	
LC0028	24.9 ± 2.5	100	0.08	
LC0029	24.72 ± 2.472	99.6	-0.13	
LC0030	- ± -	-	-	
LC0031	27.7 ± 0.24	112	3.4	H
LC0032	24.1 ± 2.59	97.1	-0.86	
LC0033	25.5 ± 1.12	103	0.79	
LC0034	24.4 ± 0.7	98.3	-0.51	
LC0035	20.87 ± 0.133	84.1	-4.69	H
LC0036	24.5 ± 3.2	98.7	-0.39	
LC0037	25.18 ± 2.87	101	0.42	
LC0038	26.4 ± 1.3	106	1.86	
LC0039	23.64 ± 1.65	95.2	-1.41	
LC0040	- ± -	-	-	
LC0041	24.5 ± 4.9	98.7	-0.39	

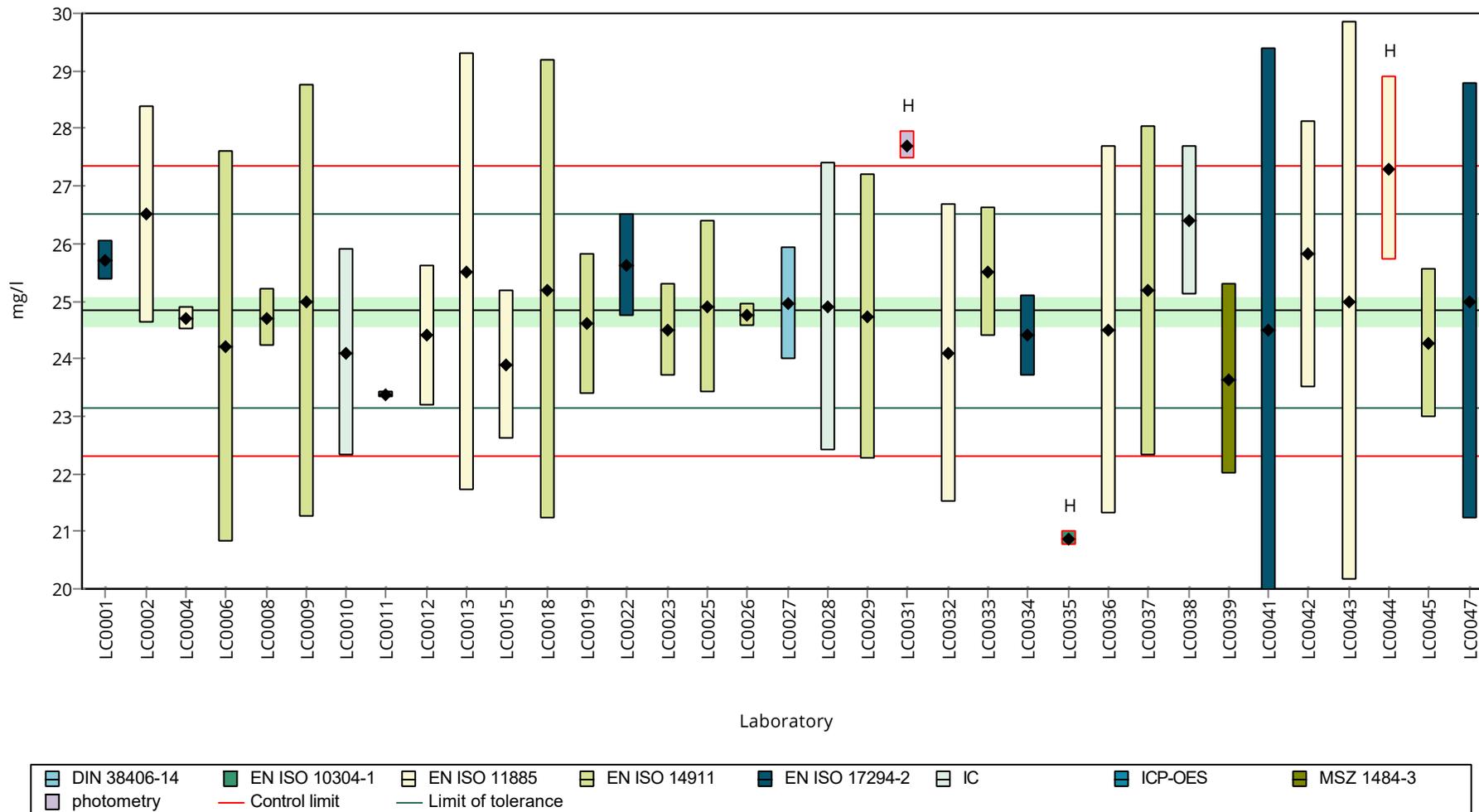
Labcode	Result \pm U	Recovery [%]	z-Score	Comments
LC0042	25.81 \pm 2.323	104	1.16	
LC0043	25 \pm 4.87	101	0.2	
LC0044	27.3 \pm 1.6	110	2.93	H
LC0045	24.26 \pm 1.3	97.7	-0.67	
LC0046	- \pm -	-	-	
LC0047	25 \pm 3.8	101	0.2	
LC0048	- \pm -	-	-	
LC0049	- \pm -	-	-	
LC0050	- \pm -	-	-	

Characteristics of parameter

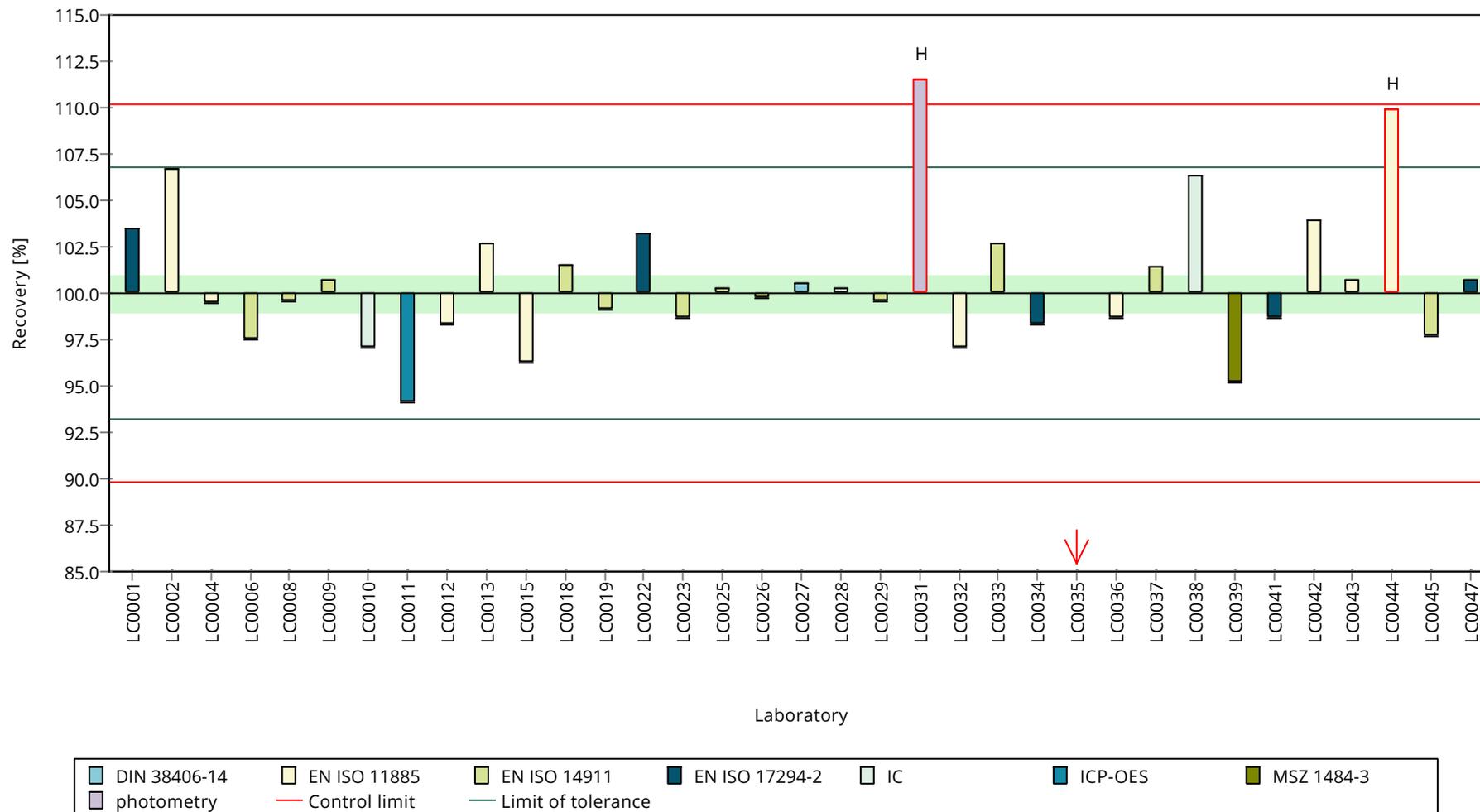
	all results	without outliers	Unit
Mean \pm CI (99%)	24.9 \pm 0.589	24.8 \pm 0.379	mg/l
Minimum	20.9	23.4	mg/l
Maximum	27.7	26.5	mg/l
Standard deviation	1.16	0.715	mg/l
rel. standard deviation	4.67	2.88	%
n	35	32	-

Graphical presentation of results

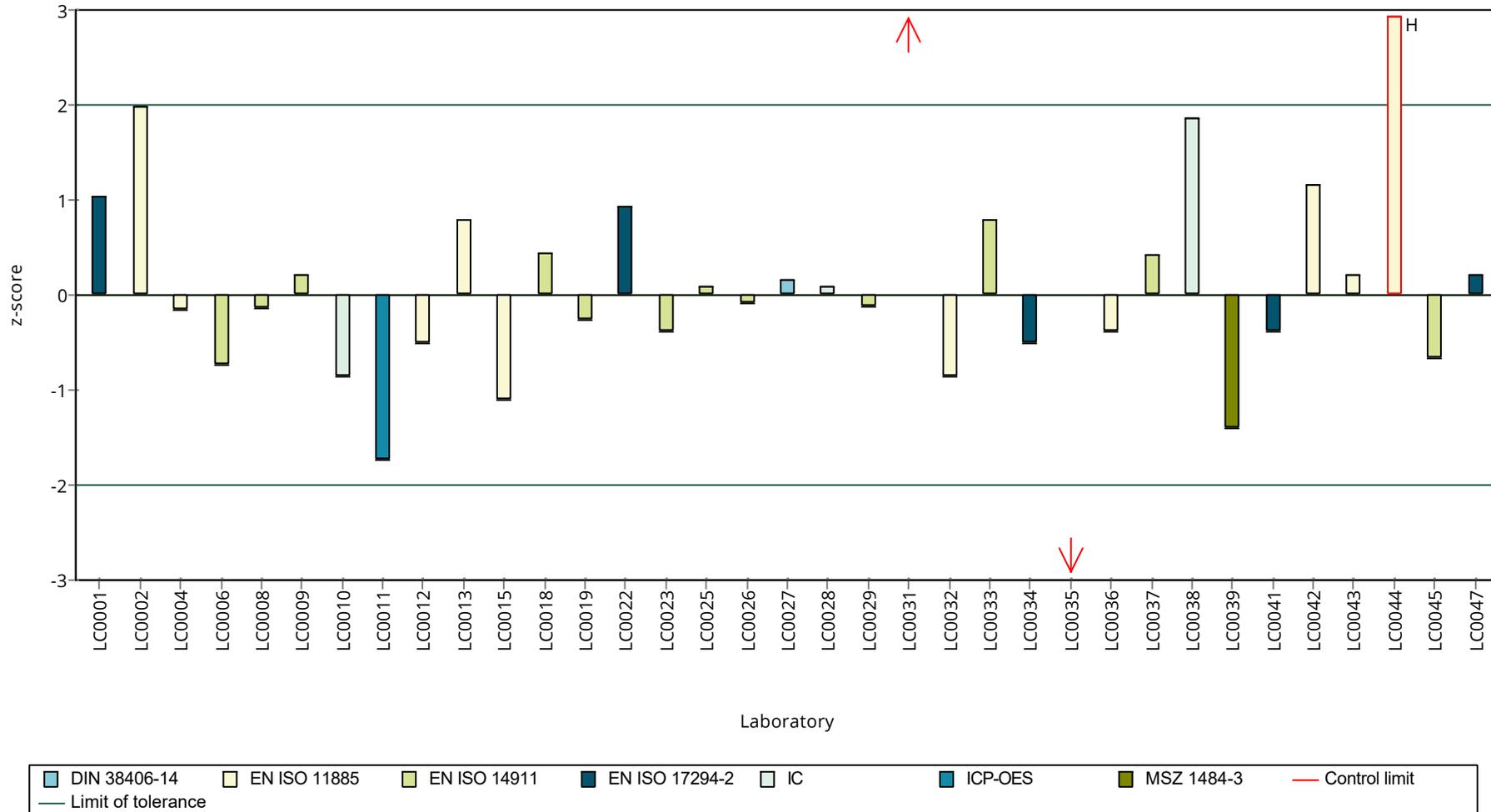
Results



Recovery rate



z-Score



Parameter oriented report

N180 A

Sulfate (as SO₄)

Unit	mg/l
Assigned value ± U (k=2)	106 ± 0.947
Criterion	3.51 (3.3 %)
Minimum - Maximum	100 - 115
Control test value ± U (k=2)	102 ± 12.2

Labcode	Result ± U	Recovery [%]	z-Score	Comments
LC0001	105 ± 0.707	98.7	-0.41	
LC0002	103 ± 1.2	96.8	-0.98	
LC0003	- ± -	-	-	
LC0004	108 ± 5.1	101	0.45	
LC0005	- ± -	-	-	
LC0006	106.2 ± 7.4	99.8	-0.07	
LC0007	91.2 ± 13.7	85.7	-4.34	H
LC0008	109.76 ± 3.2928	103	0.95	
LC0009	115 ± 17.25	108	2.44	
LC0010	107 ± 8	101	0.16	
LC0011	101.905 ± 0.472	95.7	-1.29	
LC0012	106 ± 5.3	99.6	-0.12	
LC0013	107 ± 21	101	0.16	
LC0014	- ± -	-	-	
LC0015	- ± -	-	-	
LC0016	104 ± 6.4	97.7	-0.69	
LC0017	- ± -	-	-	
LC0018	108 ± 8	101	0.45	
LC0019	106.1 ± 5.305	99.7	-0.09	
LC0020	- ± -	-	-	
LC0021	109 ± 16.4	102	0.73	
LC0022	105.77 ± 9.09	99.4	-0.19	
LC0023	104.8 ± 0.2	98.5	-0.46	
LC0024	- ± -	-	-	
LC0025	105 ± 6	98.7	-0.41	
LC0026	107.6 ± 2	101	0.33	
LC0027	104.15 ± 22.8	97.9	-0.65	
LC0028	100 ± 10	94	-1.83	
LC0029	108.2 ± 10.82	102	0.5	
LC0030	110.4 ± 7.73	104	1.13	
LC0031	89.72 ± 10.87	84.3	-4.76	H
LC0032	107.2 ± 14	101	0.22	
LC0033	107 ± 5.8	101	0.16	
LC0034	107 ± 4.3	101	0.16	
LC0035	110.6 ± 0.249	104	1.19	
LC0036	110 ± 18	103	1.02	
LC0037	105.6 ± 4.13	99.2	-0.24	
LC0038	104.1 ± 5.2	97.8	-0.66	
LC0039	110.2 ± 7.71	104	1.07	
LC0040	103.499 ± 6.303	97.2	-0.84	
LC0041	108 ± 16	101	0.45	

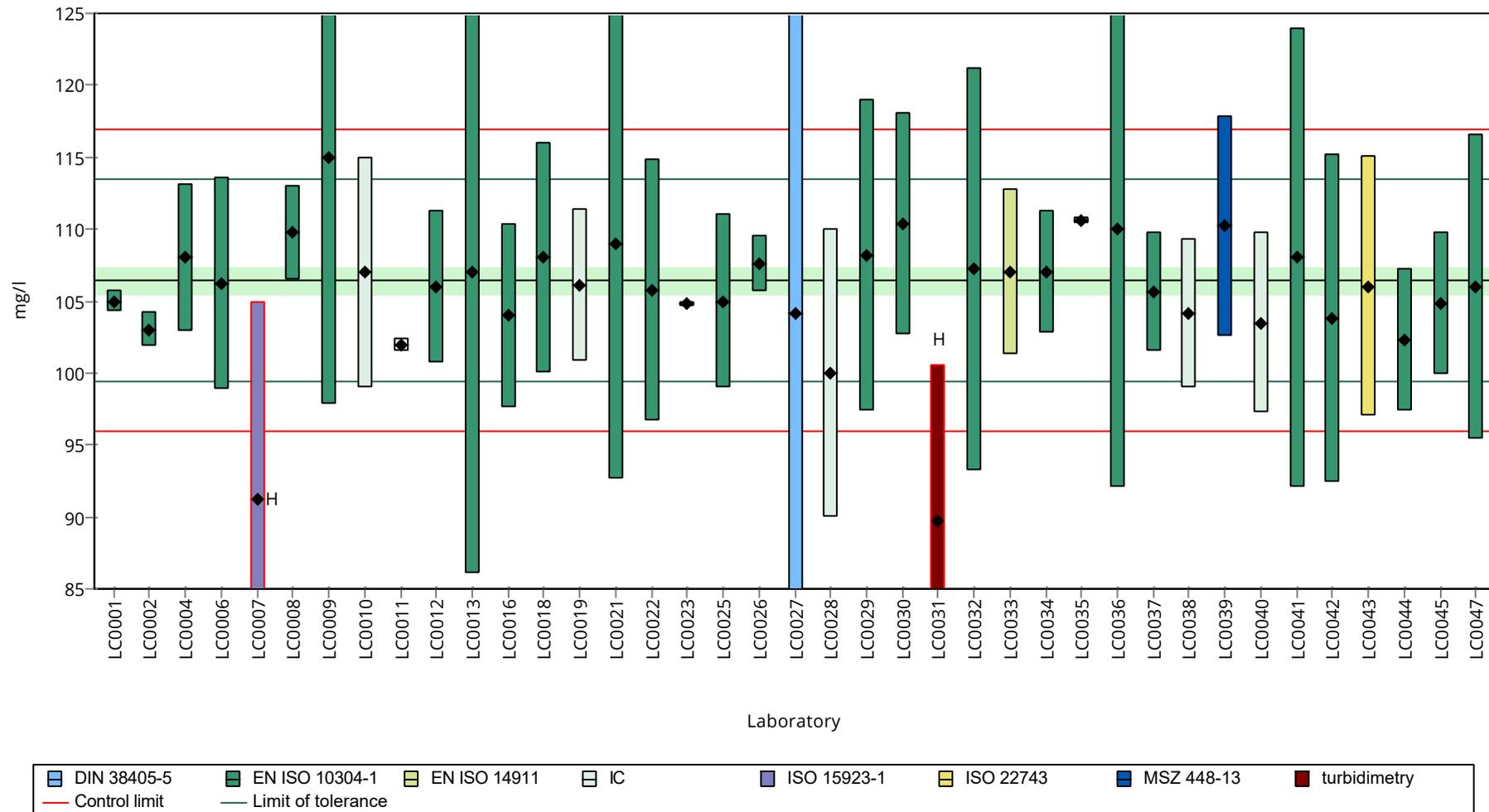
Labcode	Result ± U	Recovery [%]	z-Score	Comments
LC0042	103.8 ± 11.42	97.5	-0.75	
LC0043	106 ± 9.05	99.6	-0.12	
LC0044	102.3 ± 5	96.1	-1.18	
LC0045	104.82 ± 5	98.5	-0.46	
LC0046	- ± -	-	-	
LC0047	105.99 ± 10.6	99.6	-0.13	
LC0048	- ± -	-	-	
LC0049	- ± -	-	-	
LC0050	- ± -	-	-	

Characteristics of parameter

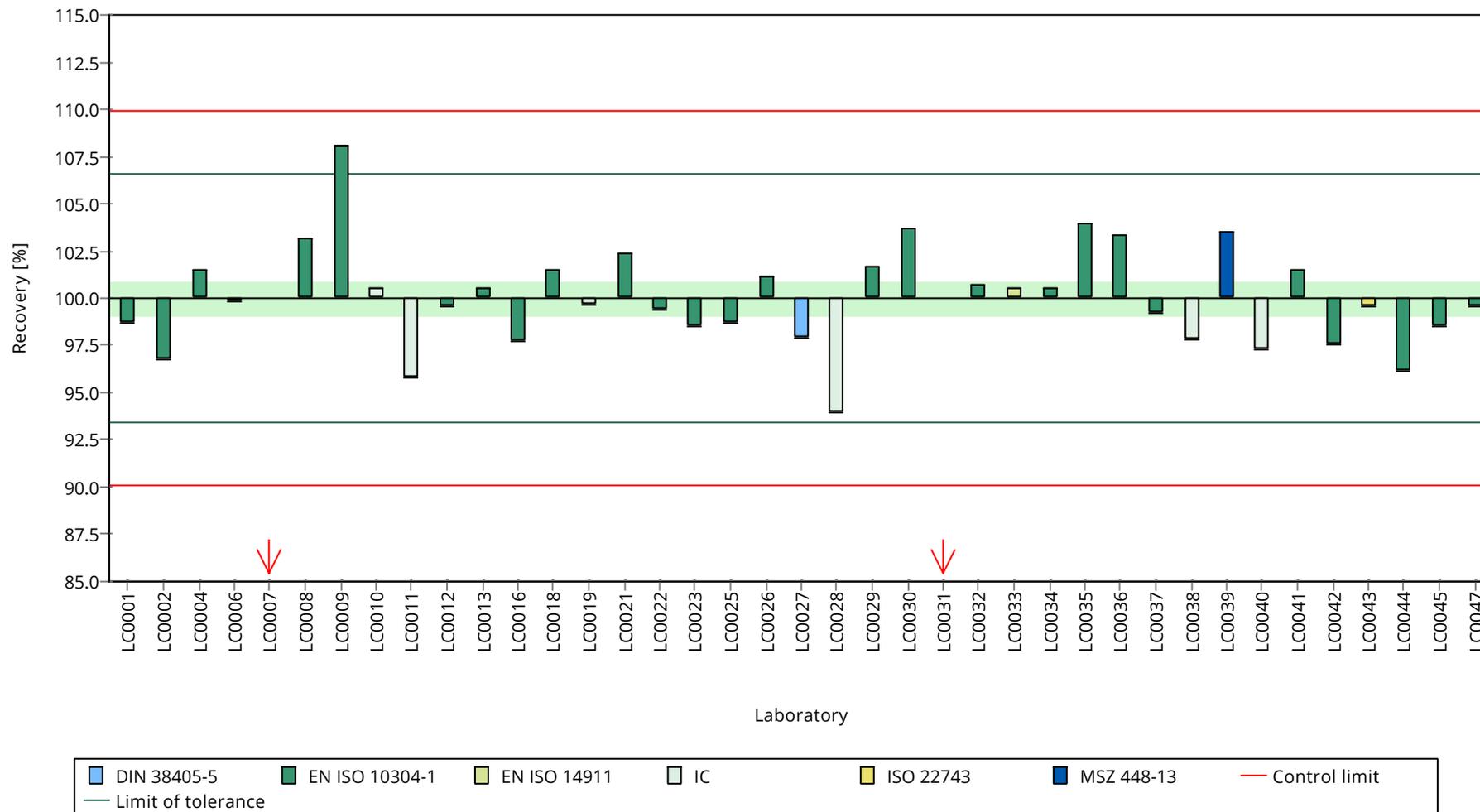
	all results	without outliers	Unit
Mean ± CI (99%)	106 ± 2.18	106 ± 1.42	mg/l
Minimum	89.7	100	mg/l
Maximum	115	115	mg/l
Standard deviation	4.54	2.88	mg/l
rel. standard deviation	4.3	2.71	%
n	39	37	-

Graphical presentation of results

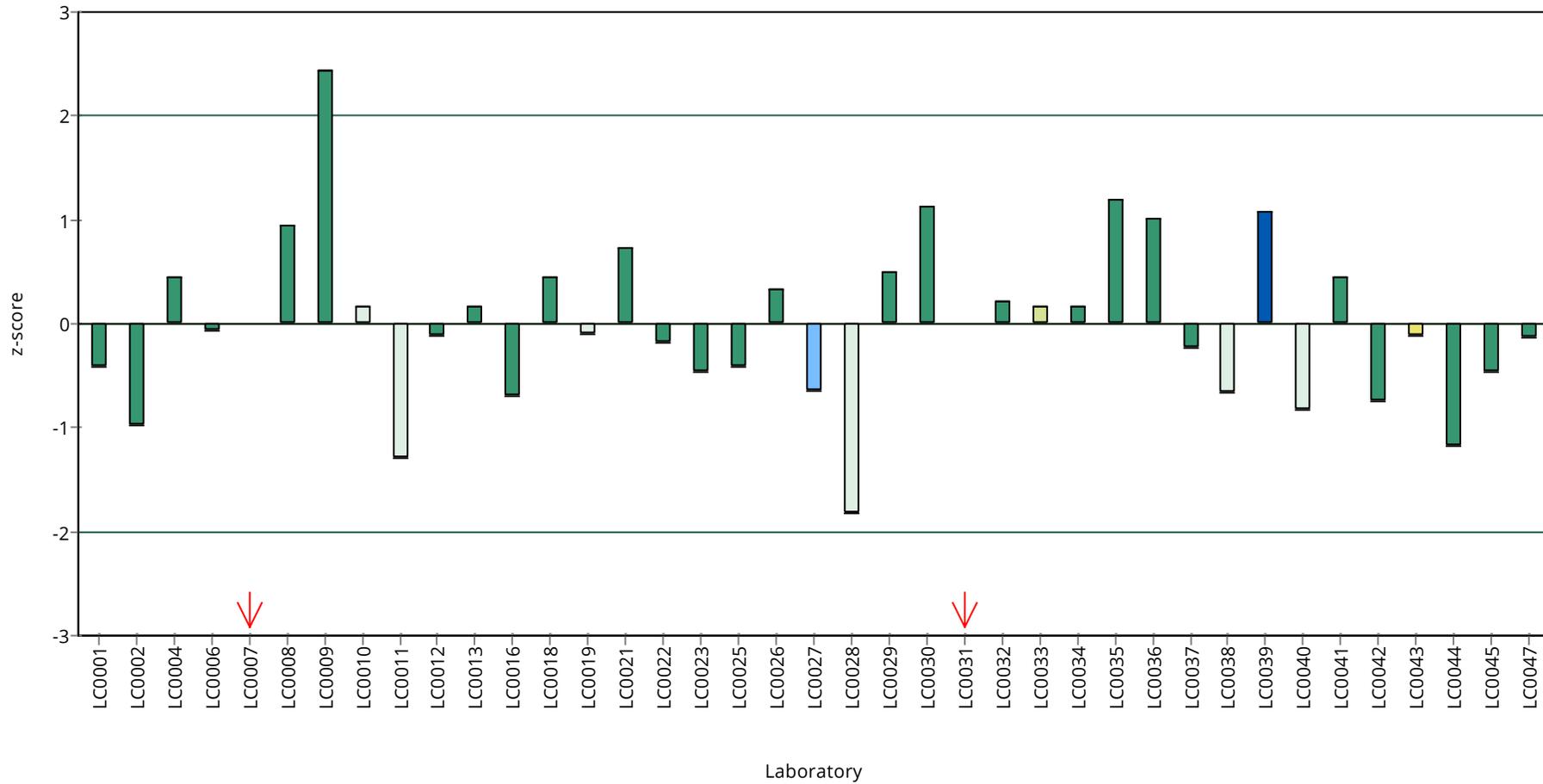
Results



Recovery rate



z-score



Parameter oriented report

N180 B

Sulfate (as SO₄)

Unit	mg/l
Assigned value ± U (k=2)	32 ± 0.308
Criterion	1.06 (3.3 %)
Minimum - Maximum	30.1 - 34.4
Control test value ± U (k=2)	30.1 ± 3.61

Labcode	Result ± U	Recovery [%]	z-Score	Comments
LC0001	31.5 ± 0.1	98.3	-0.51	
LC0002	30.7 ± 0.37	95.8	-1.26	
LC0003	- ± -	-	-	
LC0004	31.8 ± 1.68	99.3	-0.22	
LC0005	- ± -	-	-	
LC0006	31.5 ± 2.2	98.3	-0.51	
LC0007	33 ± 4.95	103	0.91	
LC0008	32.71 ± 0.9813	102	0.64	
LC0009	33.6 ± 5.04	105	1.48	
LC0010	32 ± 2.4	99.9	-0.03	
LC0011	30.507 ± 0.052	95.2	-1.44	
LC0012	31.5 ± 1.575	98.3	-0.51	
LC0013	32.2 ± 6.44	101	0.16	
LC0014	33 ± 2.64	103	0.91	
LC0015	- ± -	-	-	
LC0016	30.7 ± 1.9	95.8	-1.26	
LC0017	- ± -	-	-	
LC0018	32.5 ± 3	101	0.44	
LC0019	31.91 ± 2.393	99.6	-0.12	
LC0020	- ± -	-	-	
LC0021	32.6 ± 4.95	102	0.53	
LC0022	31.54 ± 2.71	98.5	-0.47	
LC0023	32.7 ± 0.2	102	0.63	
LC0024	- ± -	-	-	
LC0025	31.6 ± 1.9	98.6	-0.41	
LC0026	32.33 ± 2	101	0.28	
LC0027	25.52 ± 5.56	79.7	-6.16	H
LC0028	31.2 ± 3.1	97.4	-0.79	
LC0029	33.68 ± 3.368	105	1.56	
LC0030	32.6 ± 2.28	102	0.53	
LC0031	27.16 ± 3.36	84.8	-4.61	H
LC0032	32.28 ± 4.29	101	0.23	
LC0033	31.7 ± 1.71	99	-0.32	
LC0034	32.6 ± 1.4	102	0.53	
LC0035	34.44 ± 0.104	108	2.28	
LC0036	32.8 ± 5.2	102	0.72	
LC0037	32.58 ± 1.27	102	0.52	
LC0038	31.3 ± 1.6	97.7	-0.69	
LC0039	35.84 ± 2.51	112	3.6	H
LC0040	31.301 ± 1.906	97.7	-0.69	
LC0041	33 ± 4.95	103	0.91	

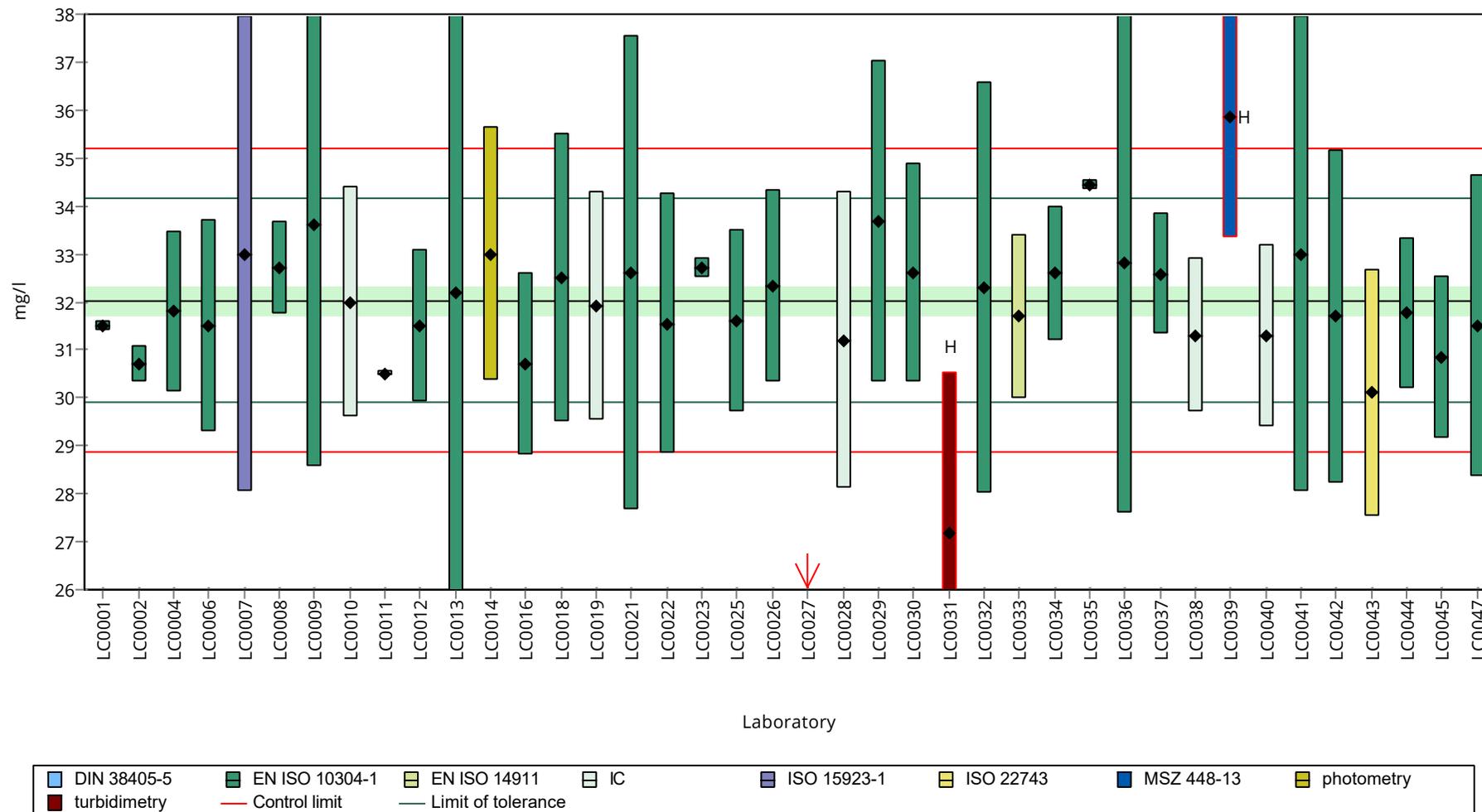
Labcode	Result ± U	Recovery [%]	z-Score	Comments
LC0042	31.69 ± 3.486	98.9	-0.33	
LC0043	30.1 ± 2.57	94	-1.83	
LC0044	31.76 ± 1.56	99.1	-0.26	
LC0045	30.85 ± 1.7	96.3	-1.12	
LC0046	- ± -	-	-	
LC0047	31.5 ± 3.15	98.3	-0.51	
LC0048	- ± -	-	-	
LC0049	- ± -	-	-	
LC0050	- ± -	-	-	

Characteristics of parameter

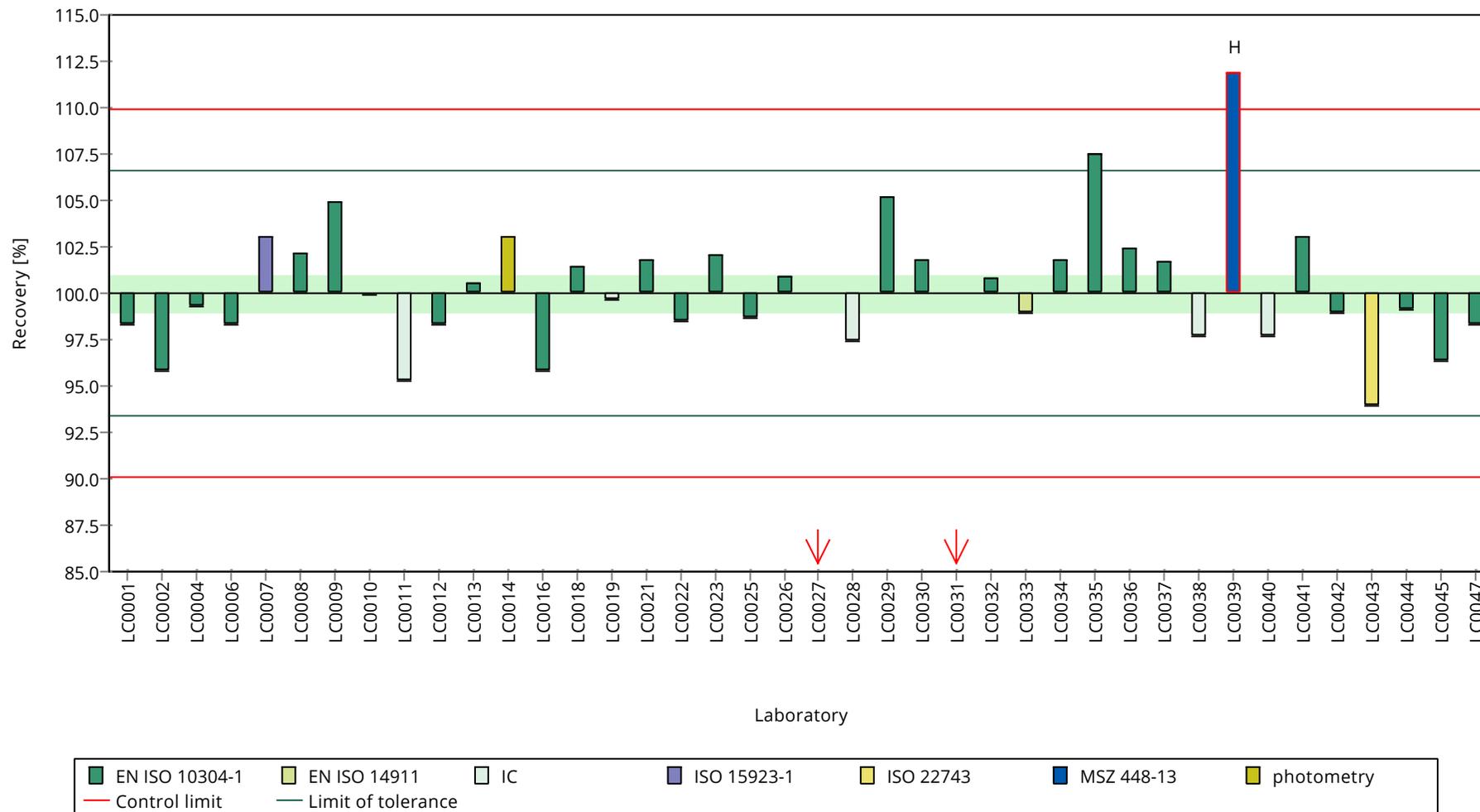
	all results	without outliers	Unit
Mean ± CI (99%)	31.8 ± 0.8	32 ± 0.462	mg/l
Minimum	25.5	30.1	mg/l
Maximum	35.8	34.4	mg/l
Standard deviation	1.69	0.938	mg/l
rel. standard deviation	5.3	2.93	%
n	40	37	-

Graphical presentation of results

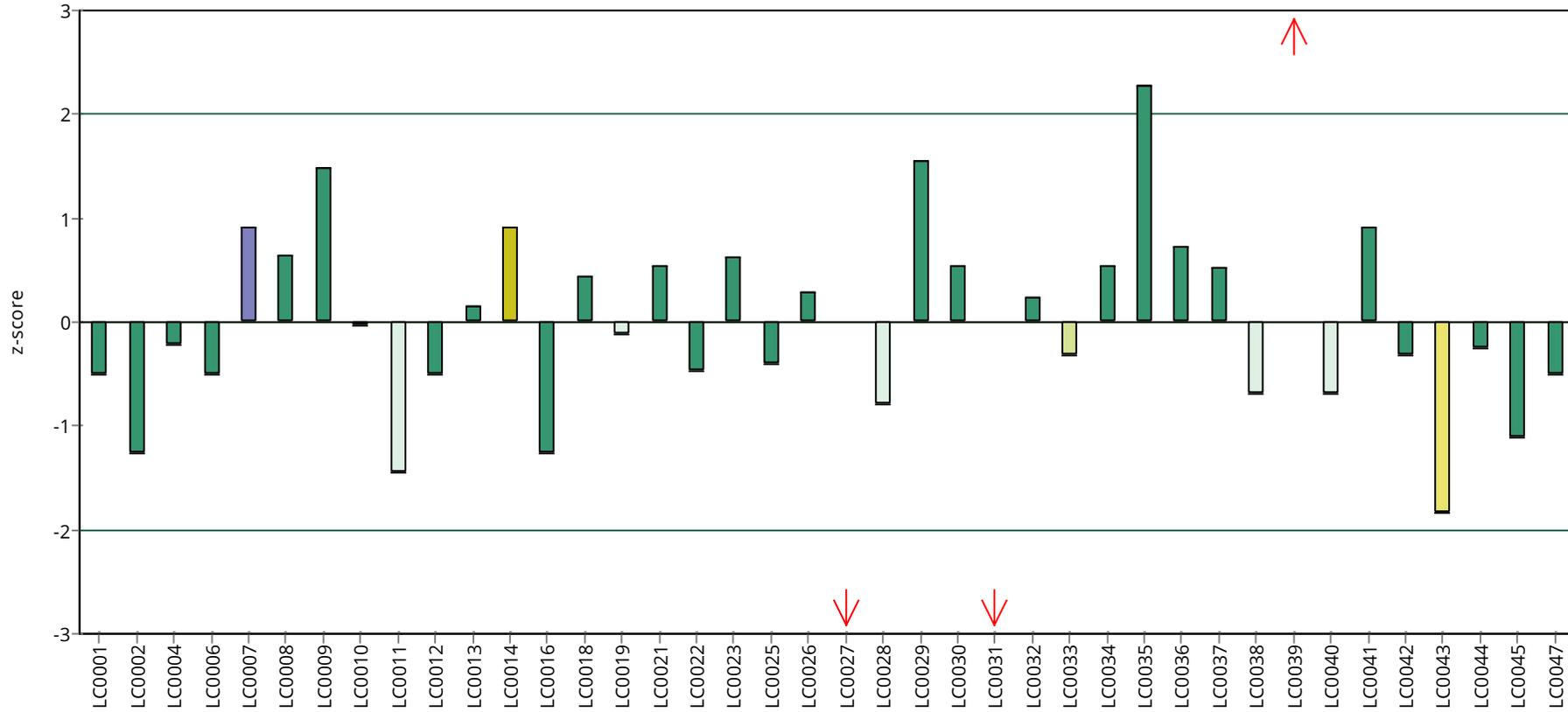
Results



Recovery rate



z-Score



Parameter oriented report

N180 A

Total-P (as PO4)

Unit	mg/l
Assigned value ± U (k=2)	0.145 ± 0.00263
Criterion	0.0109 (7.5 %)
Minimum - Maximum	0.125 - 0.153
Control test value ± U (k=2)	0.142 ± 0.0213

Labcode	Result ± U	Recovery [%]	z-Score	Comments
LC0001	0.146 ± 0.001	100	0.07	
LC0002	- ± -	-	-	
LC0003	2.022 ± 0.202	1390	172.23	H
LC0004	0.146 ± 0.00309	100	0.07	
LC0005	0.143 ± 0.014	98.4	-0.21	
LC0006	- ± -	-	-	
LC0007	0.146 ± 0.0218	100	0.07	
LC0008	0.1533 ± 0.0092	106	0.74	
LC0009	0.141 ± 0.0177	97	-0.39	
LC0010	0.178 ± 0.027	123	3	H
LC0011	- ± -	-	-	
LC0012	0.173 ± 0.0173	119	2.54	H
LC0013	0.147 ± 0.0147	101	0.16	
LC0014	- ± -	-	-	
LC0015	0.102 ± 0.003	70.2	-3.97	H
LC0016	- ± -	-	-	
LC0017	- ± -	-	-	
LC0018	0.145 ± 0.02	99.8	-0.03	
LC0019	0.19 ± 0.019	131	4.1	H
LC0020	- ± -	-	-	
LC0021	- ± -	-	-	
LC0022	0.149 ± 0.015	103	0.34	
LC0023	0.146 ± 0.01	100	0.07	
LC0024	- ± -	-	-	
LC0025	0.142 ± 0.009	97.7	-0.3	
LC0026	0.144 ± 0.005	99.1	-0.12	
LC0027	0.177 ± 0.0193	122	2.91	H
LC0028	- ± -	-	-	
LC0029	0.15 ± 0.023	103	0.43	
LC0030	- ± -	-	-	
LC0031	- ± -	-	-	
LC0032	- ± -	-	-	
LC0033	- ± -	-	-	
LC0034	0.148 ± 0.008	102	0.25	
LC0035	0.203 ± 0.006	140	5.3	H
LC0036	0.15 ± 0.012	103	0.43	
LC0037	0.1813 ± 0.0218	125	3.31	H
LC0038	0.1419 ± 0.014	97.7	-0.31	
LC0039	- ± -	-	-	
LC0040	0.125 ± 0.015	86	-1.86	
LC0041	0.152 ± 0.03	105	0.62	

Parameter oriented report Nutrients/Major Ions N180

Sample: N180A, Parameter: Total-P (as PO4)

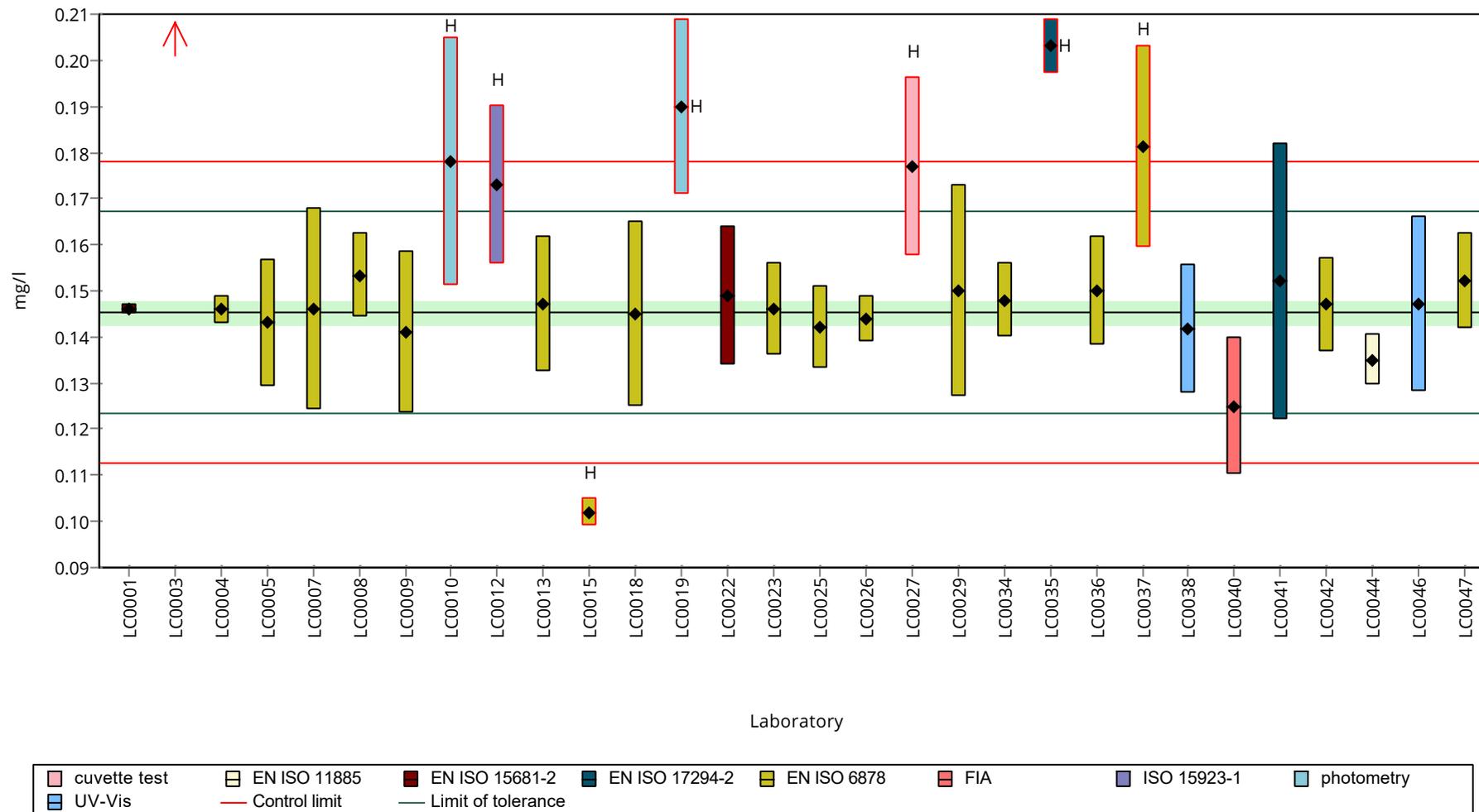
Labcode	Result ± U	Recovery [%]	z-Score	Comments
LC0042	0.147 ± 0.0103	101	0.16	
LC0043	- ± -	-	-	
LC0044	0.135 ± 0.0056	92.9	-0.94	
LC0045	- ± -	-	-	
LC0046	0.147 ± 0.019	101	0.16	
LC0047	0.1521 ± 0.0105	105	0.63	
LC0048	- ± -	-	-	
LC0049	- ± -	-	-	
LC0050	- ± -	-	-	

Characteristics of parameter

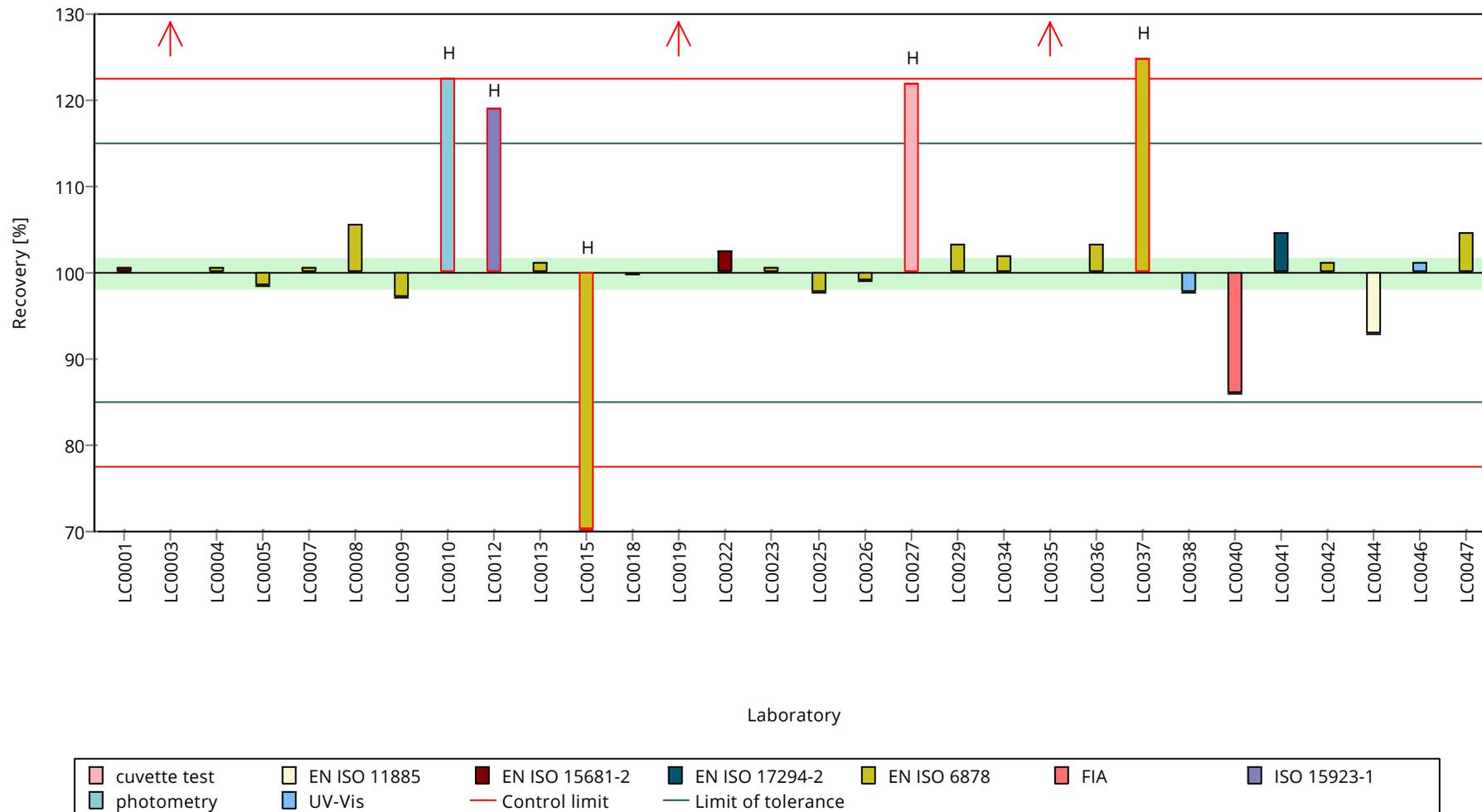
	all results	without outliers	Unit
Mean ± CI (99%)	0.214 ± 0.187	0.145 ± 0.00394	mg/l
Minimum	0.102	0.125	mg/l
Maximum	2.02	0.153	mg/l
Standard deviation	0.342	0.00616	mg/l
rel. standard deviation	160	4.24	%
n	30	22	-

Graphical presentation of results

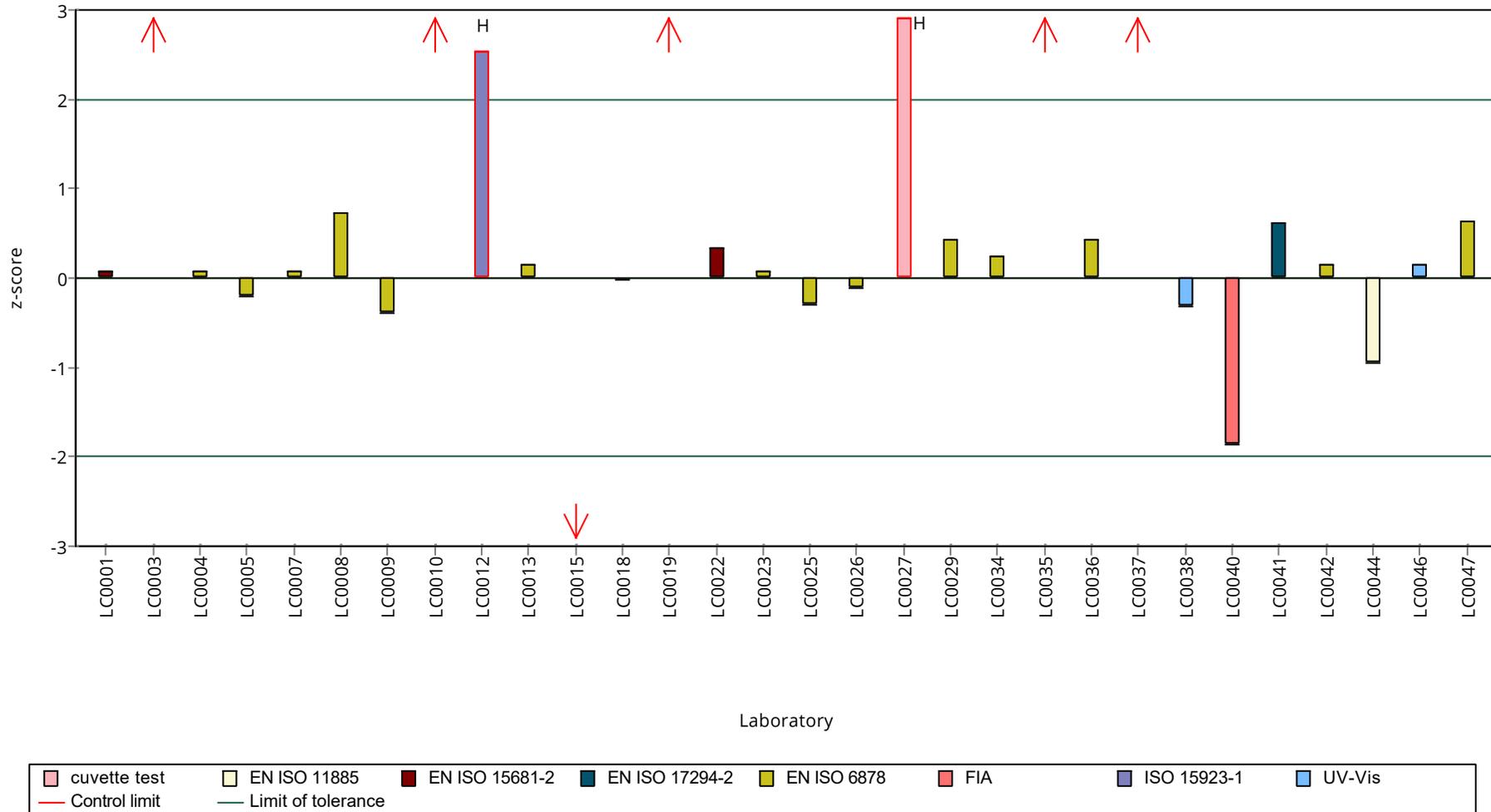
Results



Recovery rate



z-Score



Parameter oriented report

N180 B

Total-P (as PO4)

Unit mg/l
Assigned value ± U (k=2) 2.01 ± 0.0245
Criterion 0.151 (7.5 %)
Minimum - Maximum 1.9 - 2.18
Control test value ± U (k=2) 2.03 ± 0.305

Labcode	Result ± U	Recovery [%]	z-Score	Comments
LC0001	1.79 ± 0.04	89.2	-1.44	H
LC0002	- ± -	-	-	
LC0003	0.1618 ± 0.0162	8.1	-12.26	H
LC0004	1.91 ± 0.0737	95.2	-0.65	
LC0005	2.01 ± 0.201	100	0.02	
LC0006	- ± -	-	-	
LC0007	2.01 ± 0.3013	100	0.02	
LC0008	1.94691 ± 0.11681	97	-0.4	
LC0009	1.96 ± 0.246	97.6	-0.31	
LC0010	1.989 ± 0.3	99.1	-0.12	
LC0011	- ± -	-	-	
LC0012	1.99 ± 0.199	99.1	-0.12	
LC0013	2 ± 0.2	99.6	-0.05	
LC0014	1.78 ± 0.258	88.7	-1.51	H
LC0015	1.48 ± 0.041	73.7	-3.5	H
LC0016	- ± -	-	-	
LC0017	- ± -	-	-	
LC0018	2 ± 0.3	99.6	-0.05	
LC0019	1.898 ± 0.19	94.6	-0.73	
LC0020	- ± -	-	-	
LC0021	- ± -	-	-	
LC0022	1.73 ± 0.17	86.2	-1.84	H
LC0023	2.03 ± 0.14	101	0.15	
LC0024	- ± -	-	-	
LC0025	2.181 ± 0.305	109	1.15	
LC0026	1.967 ± 0.005	98	-0.27	
LC0027	2.07 ± 0.226	103	0.42	
LC0028	- ± -	-	-	
LC0029	2.06 ± 0.31	103	0.35	
LC0030	- ± -	-	-	
LC0031	- ± -	-	-	
LC0032	- ± -	-	-	
LC0033	- ± -	-	-	
LC0034	1.97 ± 0.09	98.1	-0.25	
LC0035	2.02 ± 0.724	101	0.08	
LC0036	2.11 ± 0.17	105	0.68	
LC0037	2 ± 0.241	99.6	-0.05	
LC0038	1.99 ± 0.199	99.1	-0.12	
LC0039	- ± -	-	-	
LC0040	2.031 ± 0.244	101	0.16	
LC0041	1.93 ± 0.39	96.1	-0.51	

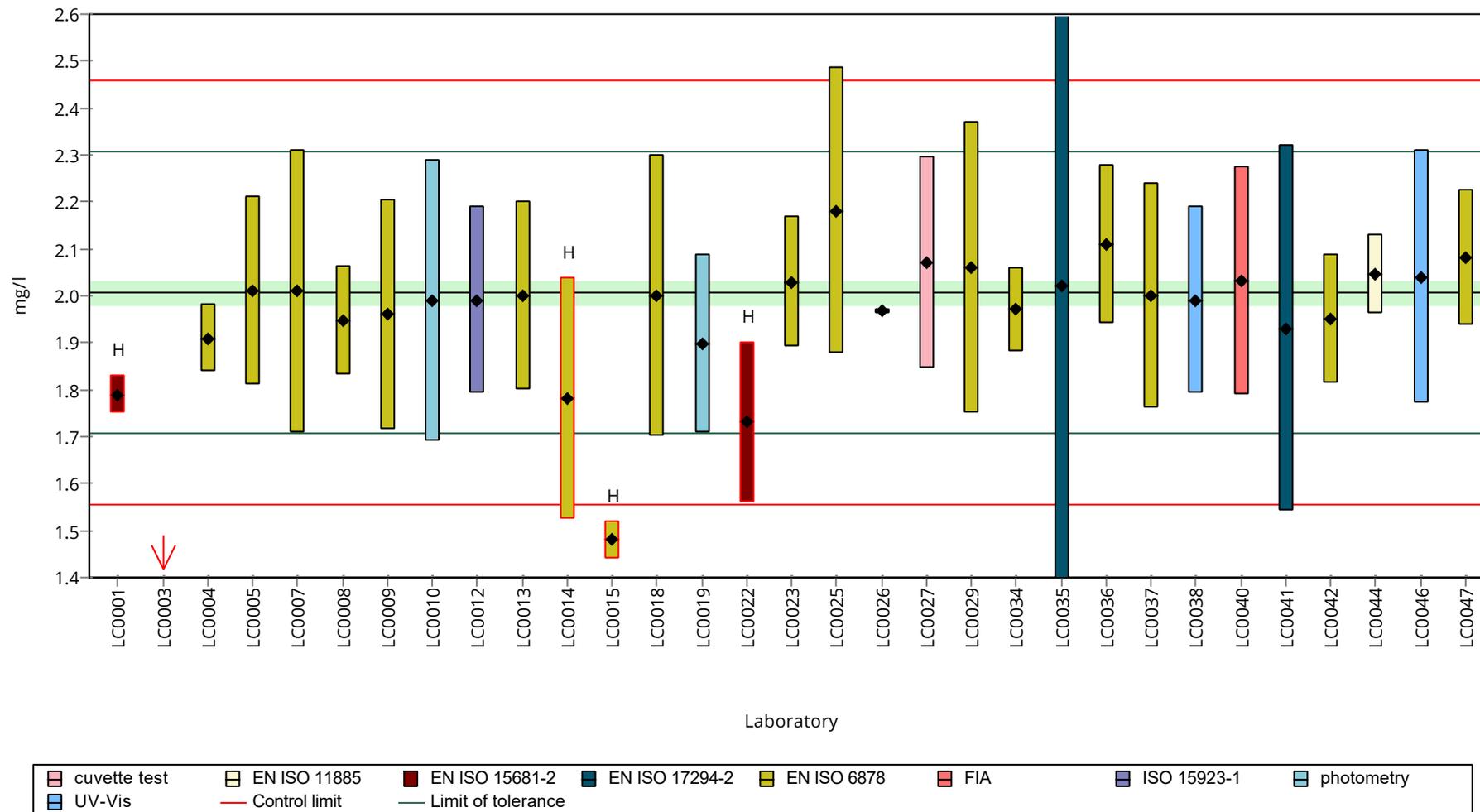
Labcode	Result ± U	Recovery [%]	z-Score	Comments
LC0042	1.95 ± 0.137	97.1	-0.38	
LC0043	- ± -	-	-	
LC0044	2.047 ± 0.085	102	0.26	
LC0045	- ± -	-	-	
LC0046	2.04 ± 0.27	102	0.22	
LC0047	2.0805 ± 0.1442	104	0.49	
LC0048	- ± -	-	-	
LC0049	- ± -	-	-	
LC0050	- ± -	-	-	

Characteristics of parameter

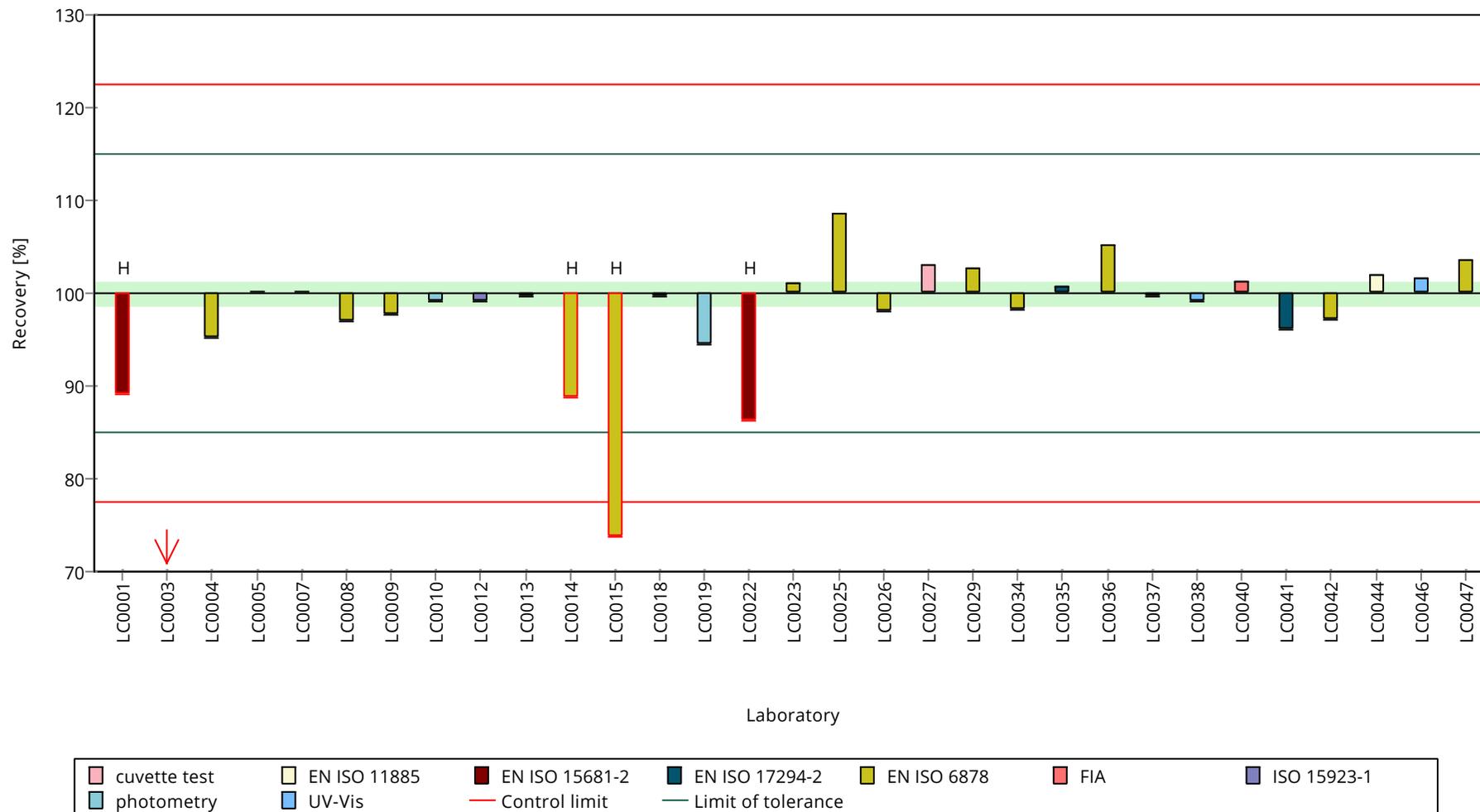
	all results	without outliers	Unit
Mean ± CI (99%)	1.91 ± 0.188	2.01 ± 0.0367	mg/l
Minimum	0.162	1.9	mg/l
Maximum	2.18	2.18	mg/l
Standard deviation	0.349	0.0624	mg/l
rel. standard deviation	18.3	3.11	%
n	31	26	-

Graphical presentation of results

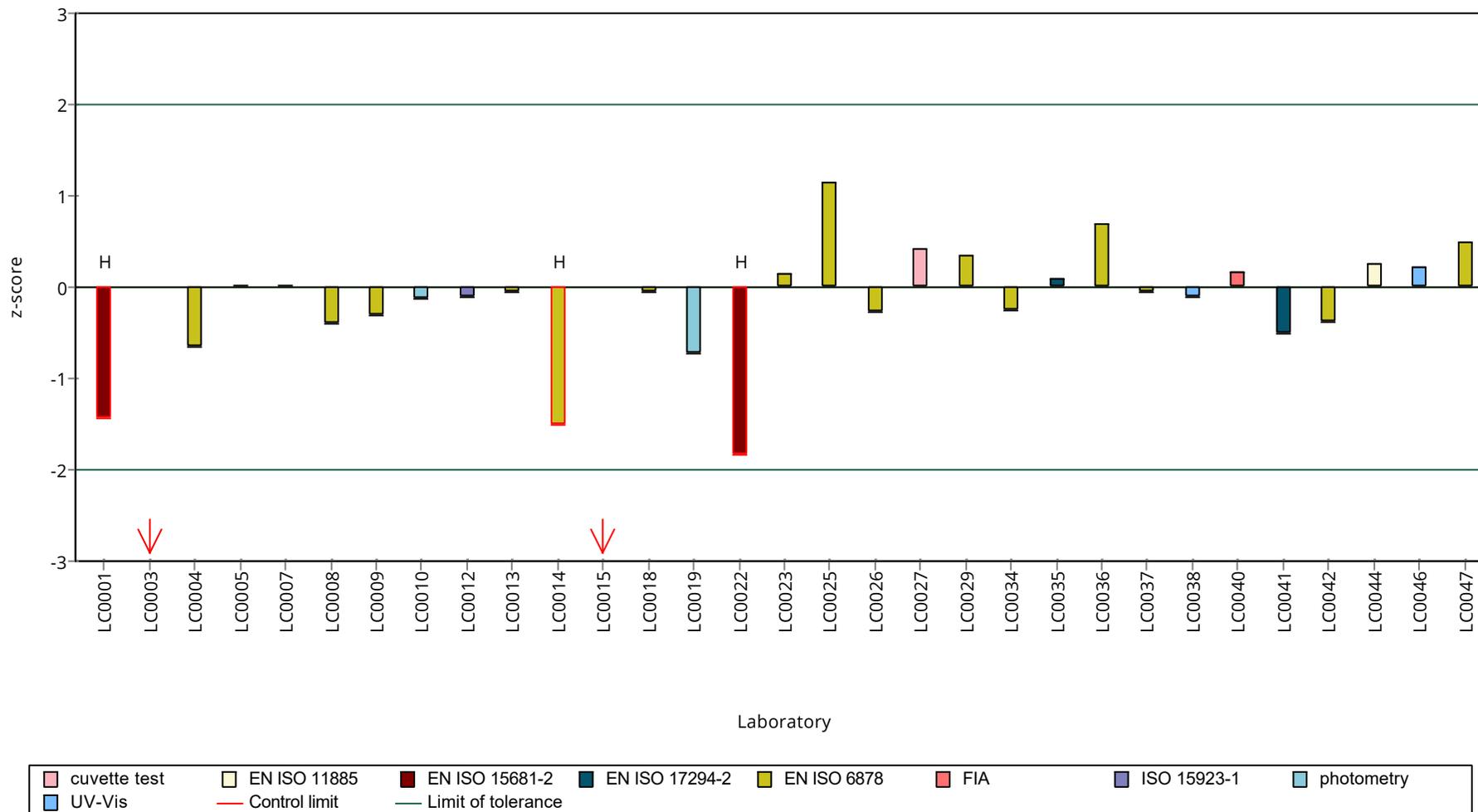
Results



Recovery rate



z-Score



Parameter oriented report

N180 A

Total hardness

Unit mmol/l
Assigned value ± U (k=2) 5.84 ± 0.0648
Criterion 0.175 (3 %)
Minimum - Maximum 5.47 - 6.17
Control test value ± U (k=2) 5.67 ± 0.851

Labcode	Result ± U	Recovery [%]	z-Score	Comments
LC0001	5.73 ± 0.028	98.1	-0.62	
LC0002	- ± -	-	-	
LC0003	- ± -	-	-	
LC0004	5.84 ± 0.029	100	0.00	
LC0005	- ± -	-	-	
LC0006	5.72 ± 0.22	98	-0.68	
LC0007	- ± -	-	-	
LC0008	5.89 ± 0.2356	101	0.29	
LC0009	6.17 ± 0.9255	106	1.89	
LC0010	5.68 ± 0.43	97.3	-0.91	
LC0011	- ± -	-	-	
LC0012	5.75 ± 0.288	98.5	-0.51	
LC0013	5.77 ± 0.58	98.8	-0.39	
LC0014	- ± -	-	-	
LC0015	- ± -	-	-	
LC0016	- ± -	-	-	
LC0017	- ± -	-	-	
LC0018	5.91 ± 0.2	101	0.4	
LC0019	6.035 ± 0.603	103	1.12	
LC0020	- ± -	-	-	
LC0021	- ± -	-	-	
LC0022	5.77 ± 0.58	98.8	-0.39	
LC0023	5.83 ± 0.44	99.8	-0.05	
LC0024	- ± -	-	-	
LC0025	5.7 ± 0.3	97.6	-0.79	
LC0026	5.866 ± 0.1	100	0.15	
LC0027	5.78 ± 0.694	99	-0.34	
LC0028	6.01 ± 0.6	103	0.98	
LC0029	5.94 ± 0.594	102	0.58	
LC0030	- ± -	-	-	
LC0031	5.84 ± 0.38	100	0.00	
LC0032	- ± -	-	-	
LC0033	5.94 ± 0.59	102	0.58	
LC0034	5.96 ± 0.132	102	0.69	
LC0035	5.47 ± 0.078	93.7	-2.11	
LC0036	5.51 ± 0.83	94.4	-1.88	
LC0037	6.107 ± 0.469	105	1.53	
LC0038	- ± -	-	-	
LC0039	4.29 ± 0.3	73.5	-8.84	H
LC0040	- ± -	-	-	
LC0041	5.67 ± 1.1	97.1	-0.97	

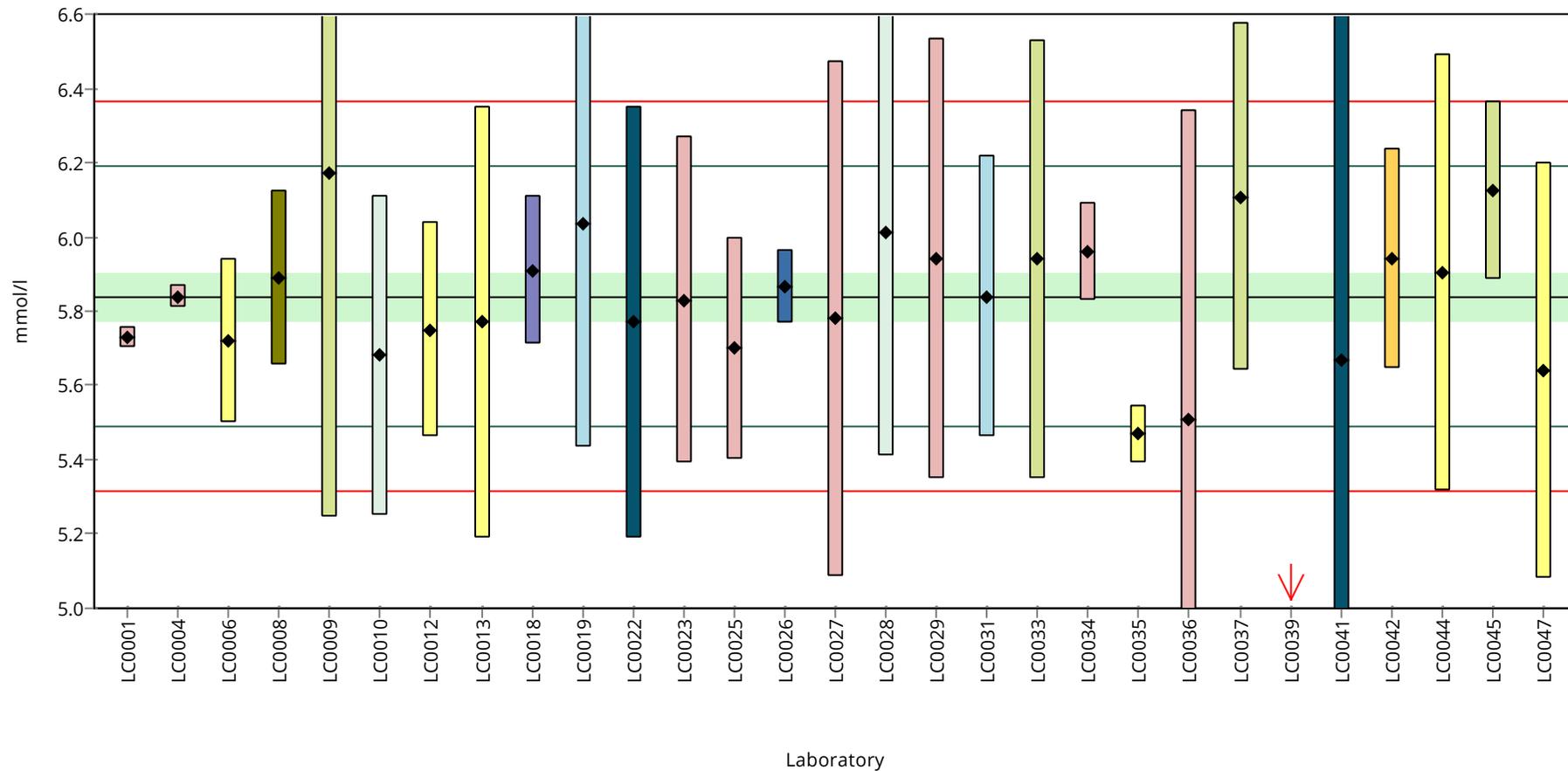
Labcode	Result \pm U	Recovery [%]	z-Score	Comments
LC0042	5.94 \pm 0.297	102	0.58	
LC0043	- \pm -	-	-	
LC0044	5.904 \pm 0.59	101	0.37	
LC0045	6.125 \pm 0.24	105	1.63	
LC0046	- \pm -	-	-	
LC0047	5.64 \pm 0.56	96.6	-1.14	
LC0048	- \pm -	-	-	
LC0049	- \pm -	-	-	
LC0050	- \pm -	-	-	

Characteristics of parameter

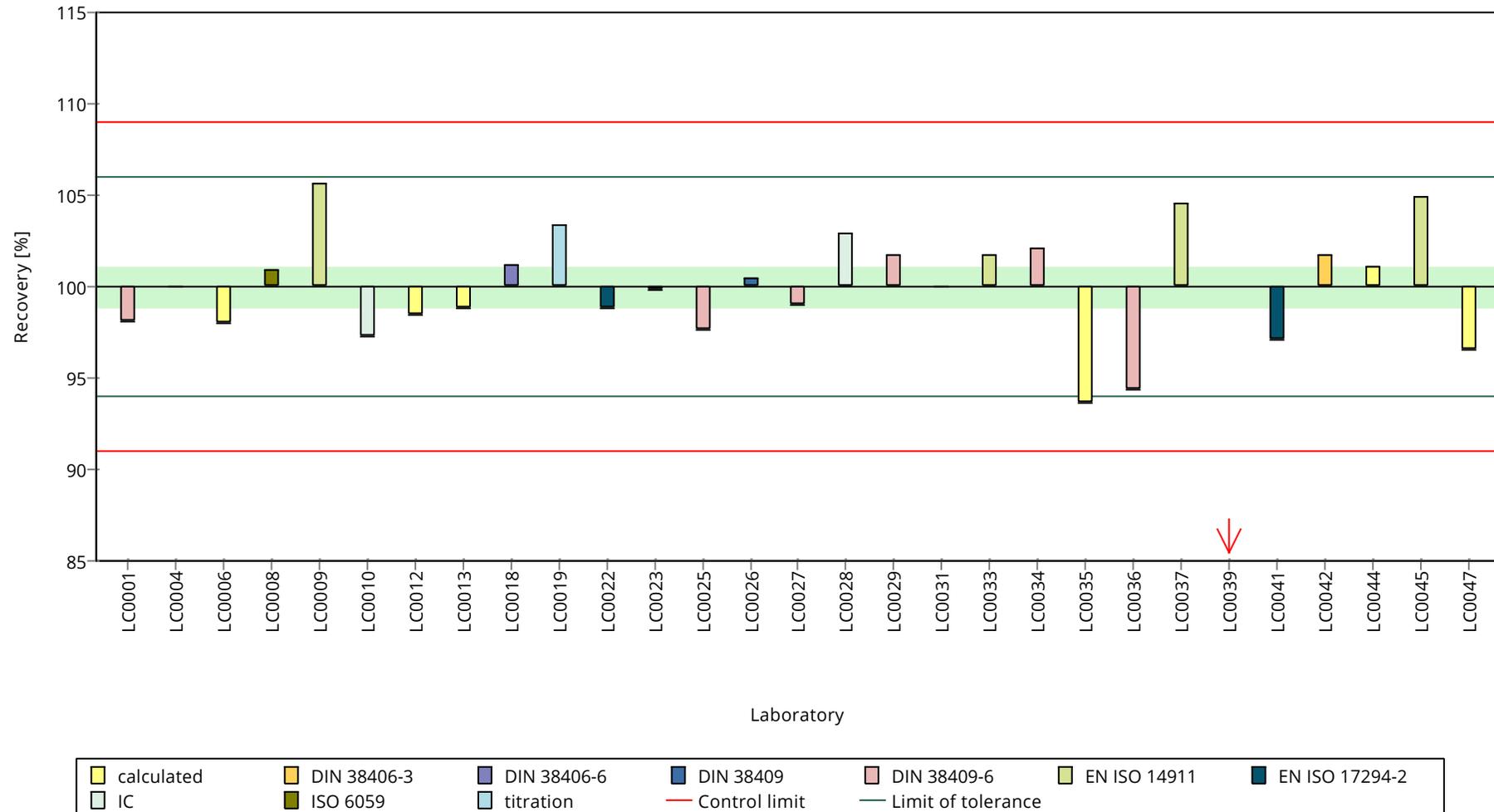
	all results	without outliers	Unit
Mean \pm CI (99%)	5.79 \pm 0.186	5.84 \pm 0.0972	mmol/l
Minimum	4.29	5.47	mmol/l
Maximum	6.17	6.17	mmol/l
Standard deviation	0.333	0.171	mmol/l
rel. standard deviation	5.76	2.93	%
n	29	28	-

Graphical presentation of results

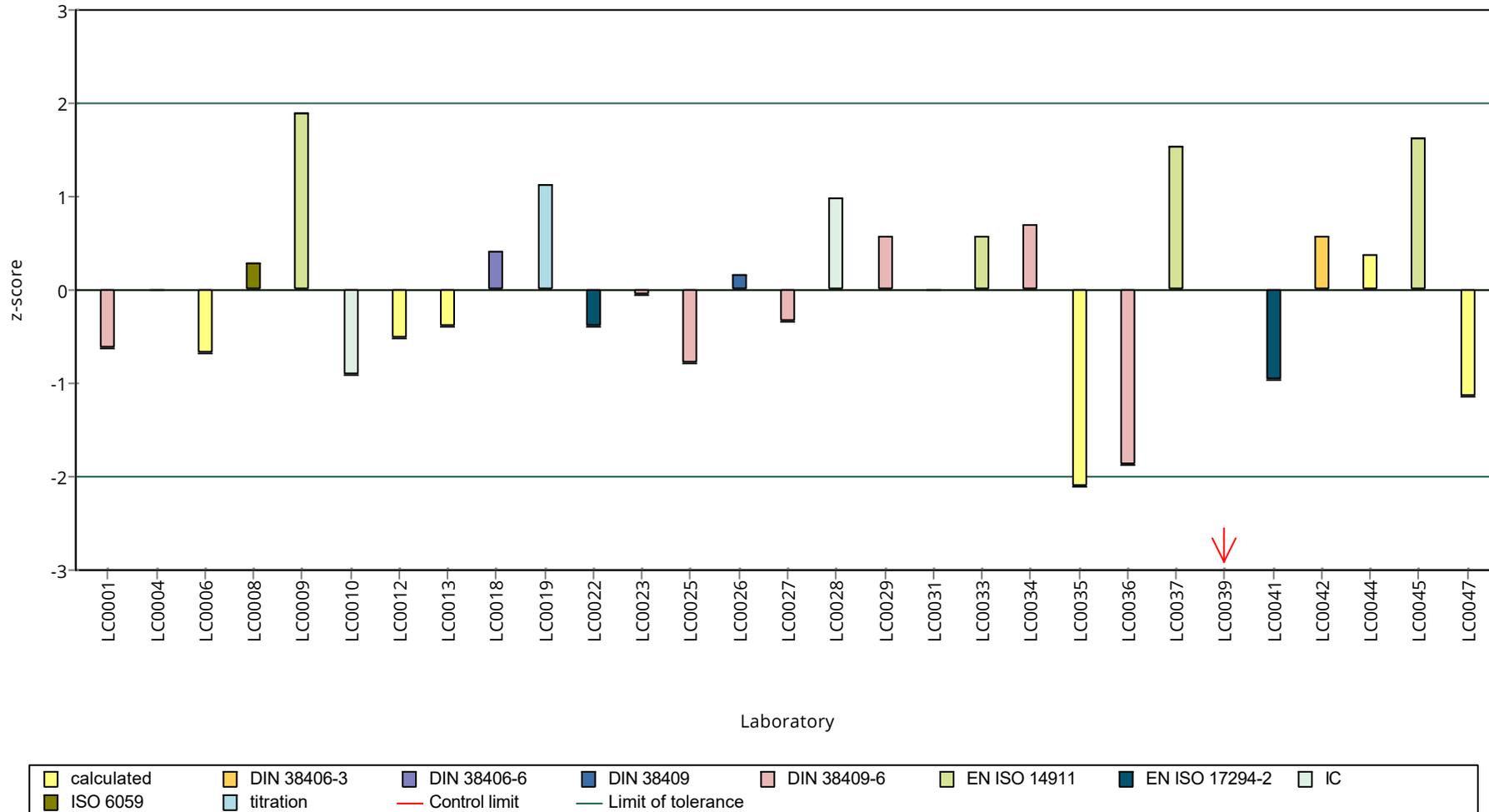
Results



Recovery rate



z-Score



Parameter oriented report

N180 B

Total hardness

Unit	mmol/l
Assigned value \pm U (k=2)	2.29 \pm 0.0232
Criterion	0.0686 (3 %)
Minimum - Maximum	2.19 - 2.42
Control test value \pm U (k=2)	1.88 \pm 0.281

Labcode	Result \pm U	Recovery [%]	z-Score	Comments
LC0001	2.28 \pm 0.029	99.7	-0.11	
LC0002	- \pm -	-	-	
LC0003	- \pm -	-	-	
LC0004	2.31 \pm 0.0177	101	0.32	
LC0005	- \pm -	-	-	
LC0006	2.24 \pm 0.09	97.9	-0.7	
LC0007	- \pm -	-	-	
LC0008	2.32 \pm 0.0928	101	0.47	
LC0009	2.42 \pm 0.363	106	1.93	
LC0010	2.29 \pm 0.17	100	0.03	
LC0011	- \pm -	-	-	
LC0012	2.26 \pm 0.113	98.8	-0.41	
LC0013	2.29 \pm 0.23	100	0.03	
LC0014	2.39 \pm 0.068	104	1.49	
LC0015	- \pm -	-	-	
LC0016	- \pm -	-	-	
LC0017	- \pm -	-	-	
LC0018	2.29 \pm 0.1	100	0.03	
LC0019	2.27 \pm 0.227	99.2	-0.26	
LC0020	- \pm -	-	-	
LC0021	- \pm -	-	-	
LC0022	2.26 \pm 0.23	98.8	-0.41	
LC0023	2.27 \pm 0.17	99.2	-0.26	
LC0024	- \pm -	-	-	
LC0025	2.24 \pm 0.11	97.9	-0.7	
LC0026	2.358 \pm 0.1	103	1.02	
LC0027	2.3 \pm 0.276	101	0.18	
LC0028	2.34 \pm 0.23	102	0.76	
LC0029	2.29 \pm 0.229	100	0.03	
LC0030	- \pm -	-	-	
LC0031	2.36 \pm 0.12	103	1.05	
LC0032	- \pm -	-	-	
LC0033	2.31 \pm 0.23	101	0.32	
LC0034	2.3 \pm 0.05	101	0.18	
LC0035	2.31 \pm 0.014	101	0.32	
LC0036	2.2 \pm 0.33	96.2	-1.28	
LC0037	2.399 \pm 0.184	105	1.62	
LC0038	- \pm -	-	-	
LC0039	1.64 \pm 0.11	71.7	-9.44	H
LC0040	- \pm -	-	-	
LC0041	2.19 \pm 0.44	95.7	-1.43	

Parameter oriented report Nutrients/Major Ions N180

Sample: N180B, Parameter: Total hardness

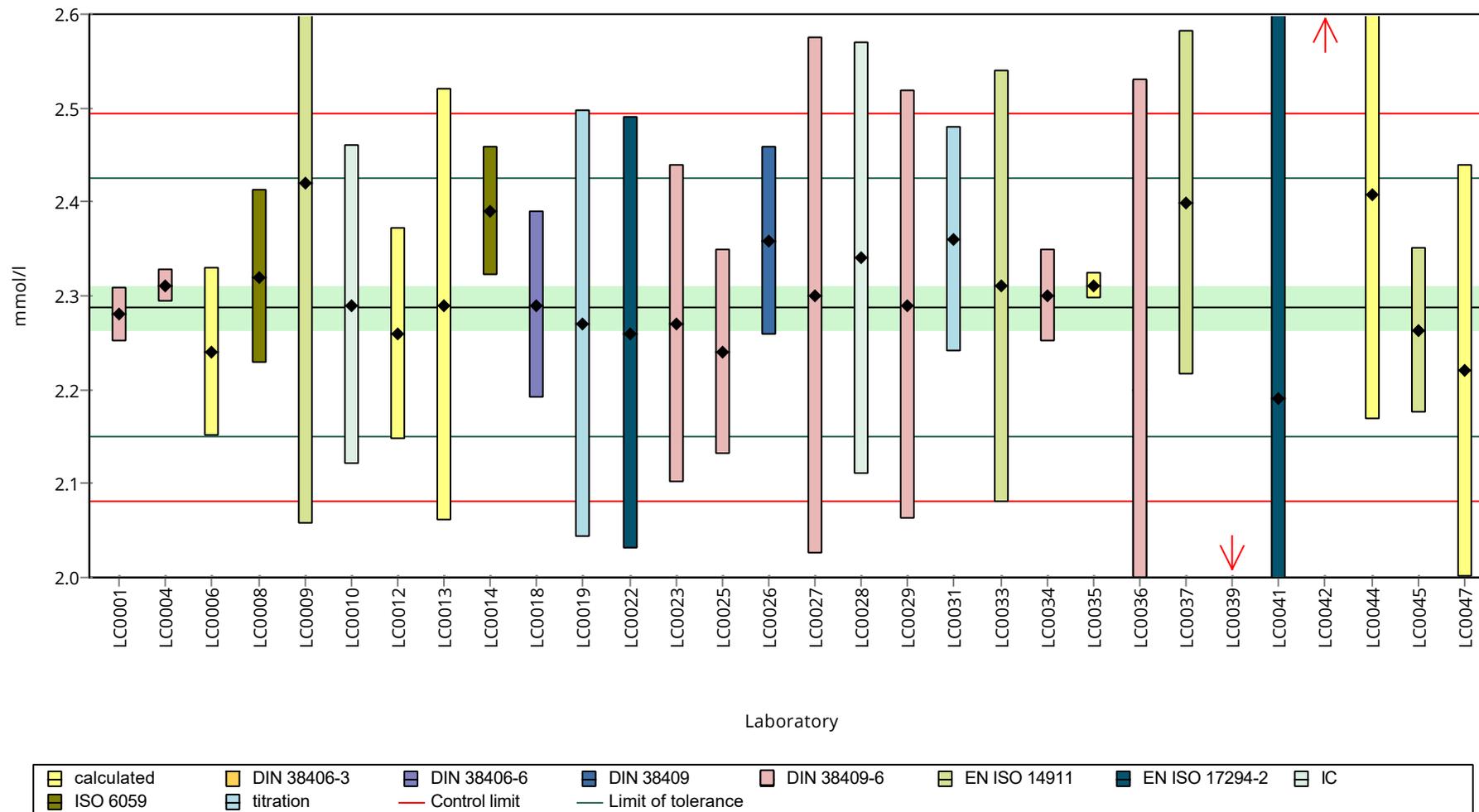
Labcode	Result \pm U	Recovery [%]	z-Score	Comments
LC0042	2.64 \pm 0.132	115	5.13	H
LC0043	- \pm -	-	-	
LC0044	2.408 \pm 0.241	105	1.75	
LC0045	2.263 \pm 0.089	98.9	-0.36	
LC0046	- \pm -	-	-	
LC0047	2.22 \pm 0.22	97	-0.99	
LC0048	- \pm -	-	-	
LC0049	- \pm -	-	-	
LC0050	- \pm -	-	-	

Characteristics of parameter

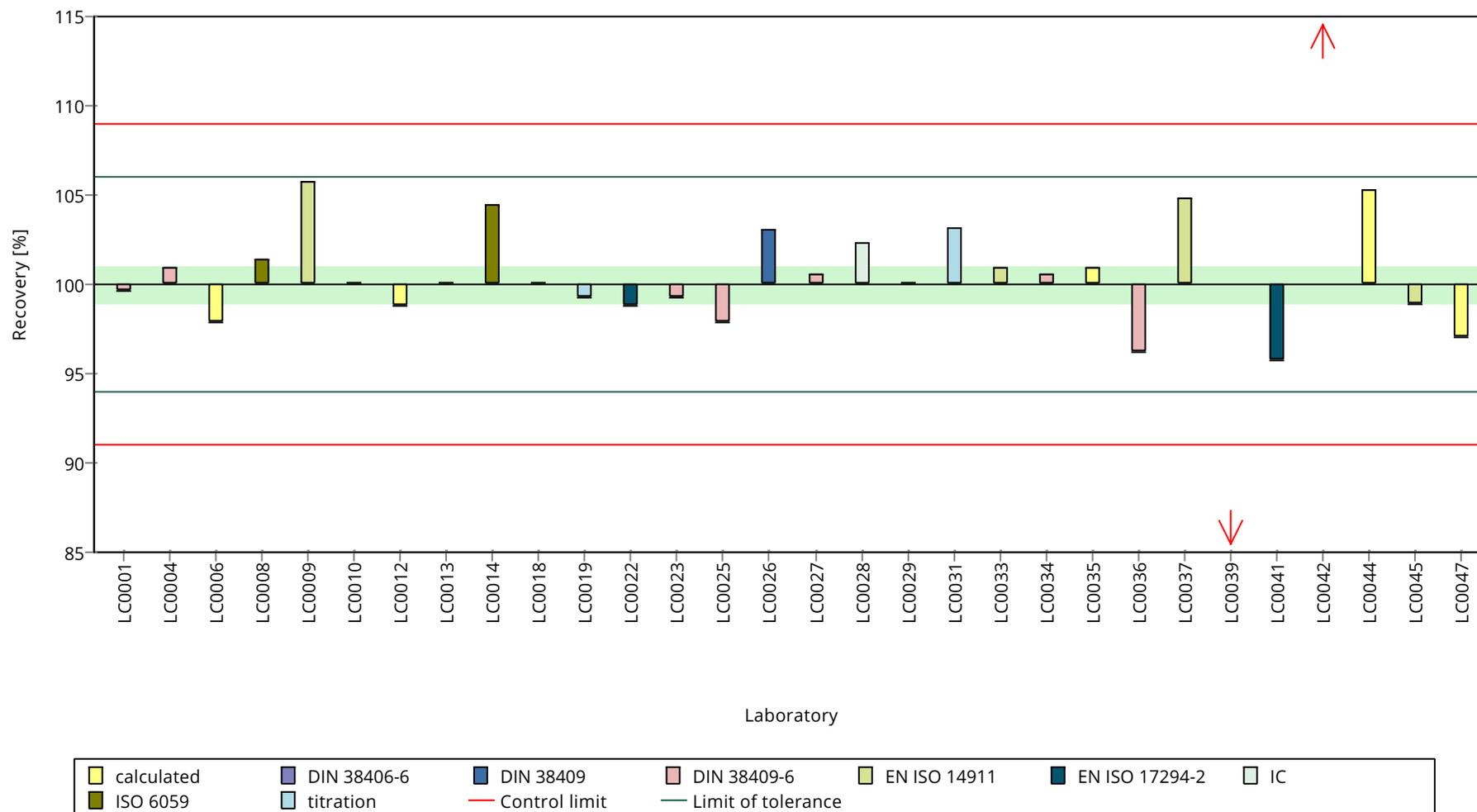
	all results	without outliers	Unit
Mean \pm CI (99%)	2.29 \pm 0.0816	2.3 \pm 0.0338	mmol/l
Minimum	1.64	2.19	mmol/l
Maximum	2.64	2.42	mmol/l
Standard deviation	0.149	0.0597	mmol/l
rel. standard deviation	6.51	2.59	%
n	30	28	-

Graphical presentation of results

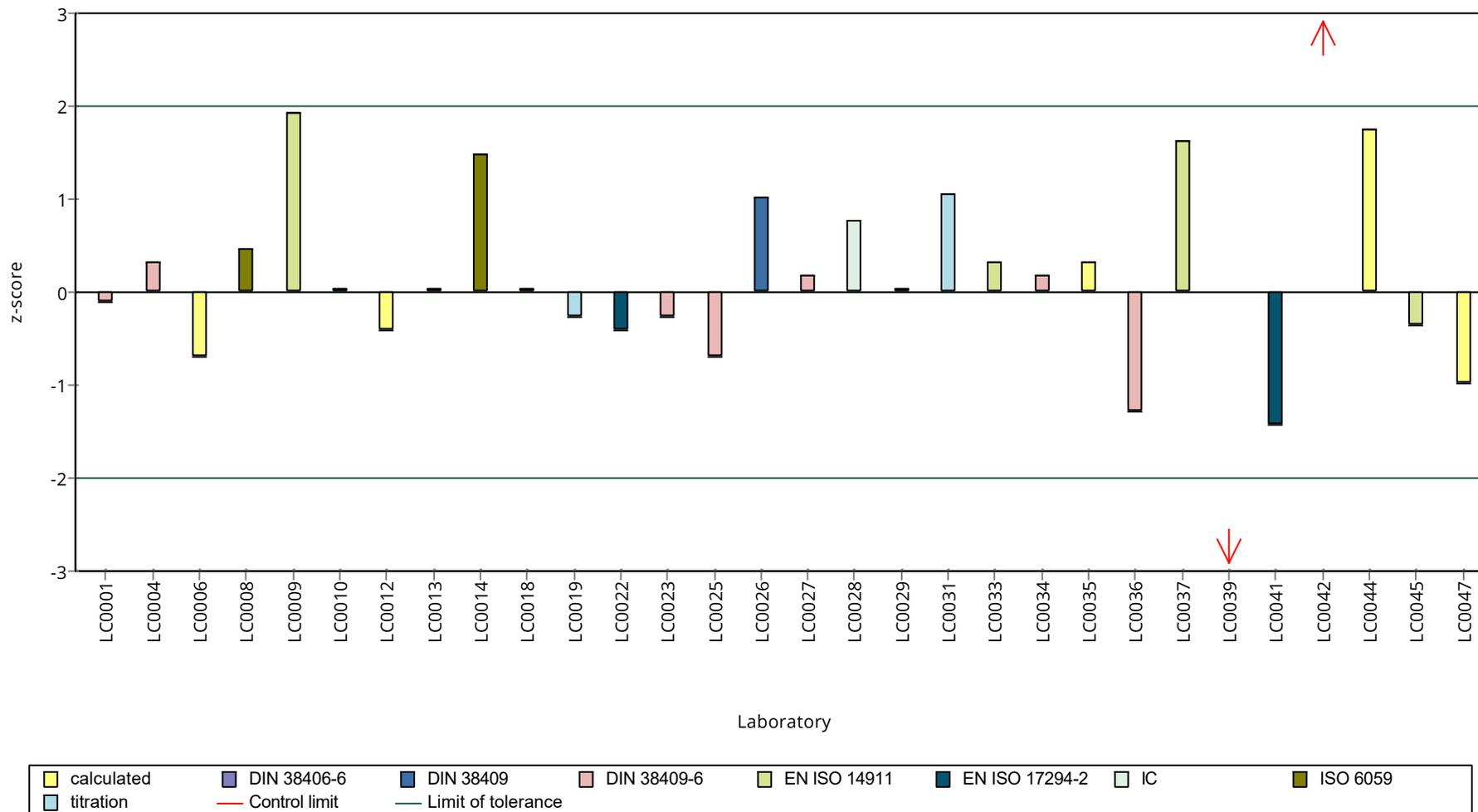
Results



Recovery rate



z-Score



Parameter oriented report

N180 A

Total nitrogen

Unit	mg/l
Assigned value ± U (k=2)	2.49 ± 0.0962
Criterion	0.207 (8.3 %)
Minimum - Maximum	2.18 - 2.99
Control test value ± U (k=2)	2.55 ± 0.382

Labcode	Result ± U	Recovery [%]	z-Score	Comments
LC0001	2.19 ± 0.099	87.8	-1.47	
LC0002	2.48 ± 0.11	99.4	-0.07	
LC0003	- ± -	-	-	
LC0004	2.29 ± 0.029	91.8	-0.98	
LC0005	- ± -	-	-	
LC0006	- ± -	-	-	
LC0007	2.93 ± 1.32	117	2.11	
LC0008	- ± -	-	-	
LC0009	2.69 ± 0.34	108	0.95	
LC0010	2.45 ± 0.25	98.2	-0.21	
LC0011	- ± -	-	-	
LC0012	2.57 ± 0.257	103	0.37	
LC0013	2.57 ± 0.13	103	0.37	
LC0014	- ± -	-	-	
LC0015	- ± -	-	-	
LC0016	- ± -	-	-	
LC0017	- ± -	-	-	
LC0018	2.51 ± 0.25	101	0.08	
LC0019	2.27 ± 0.227	91	-1.08	
LC0020	- ± -	-	-	
LC0021	- ± -	-	-	
LC0022	2.75 ± 0.275	110	1.24	
LC0023	2.28 ± 0.23	91.4	-1.03	
LC0024	- ± -	-	-	
LC0025	- ± -	-	-	
LC0026	2.32 ± 0.2	93	-0.84	
LC0027	2.99 ± 0.667	120	2.4	
LC0028	- ± -	-	-	
LC0029	- ± -	-	-	
LC0030	- ± -	-	-	
LC0031	- ± -	-	-	
LC0032	- ± -	-	-	
LC0033	- ± -	-	-	
LC0034	2.54 ± 0.17	102	0.22	
LC0035	- ± -	-	-	
LC0036	2.8 ± 0.42	112	1.48	
LC0037	- ± -	-	-	
LC0038	2.31 ± 0.23	92.6	-0.89	
LC0039	- ± -	-	-	
LC0040	2.184 ± 0.312	87.6	-1.5	
LC0041	2.46 ± 0.49	98.6	-0.16	

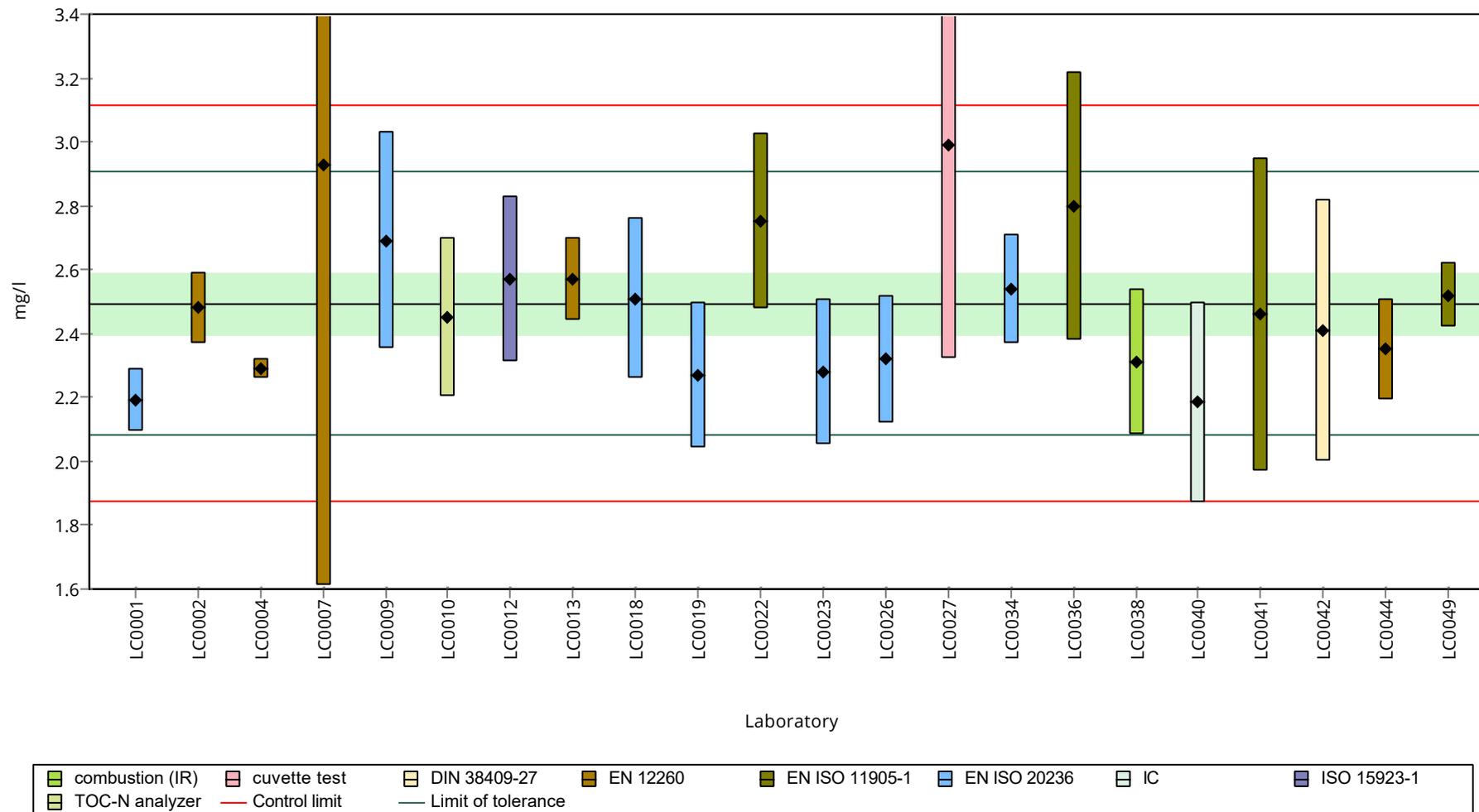
Labcode	Result \pm U	Recovery [%]	z-Score	Comments
LC0042	2.41 \pm 0.41	96.6	-0.4	
LC0043	- \pm -	-	-	
LC0044	2.35 \pm 0.16	94.2	-0.69	
LC0045	- \pm -	-	-	
LC0046	- \pm -	-	-	
LC0047	- \pm -	-	-	
LC0048	- \pm -	-	-	
LC0049	2.52 \pm 0.1	101	0.13	
LC0050	- \pm -	-	-	

Characteristics of parameter

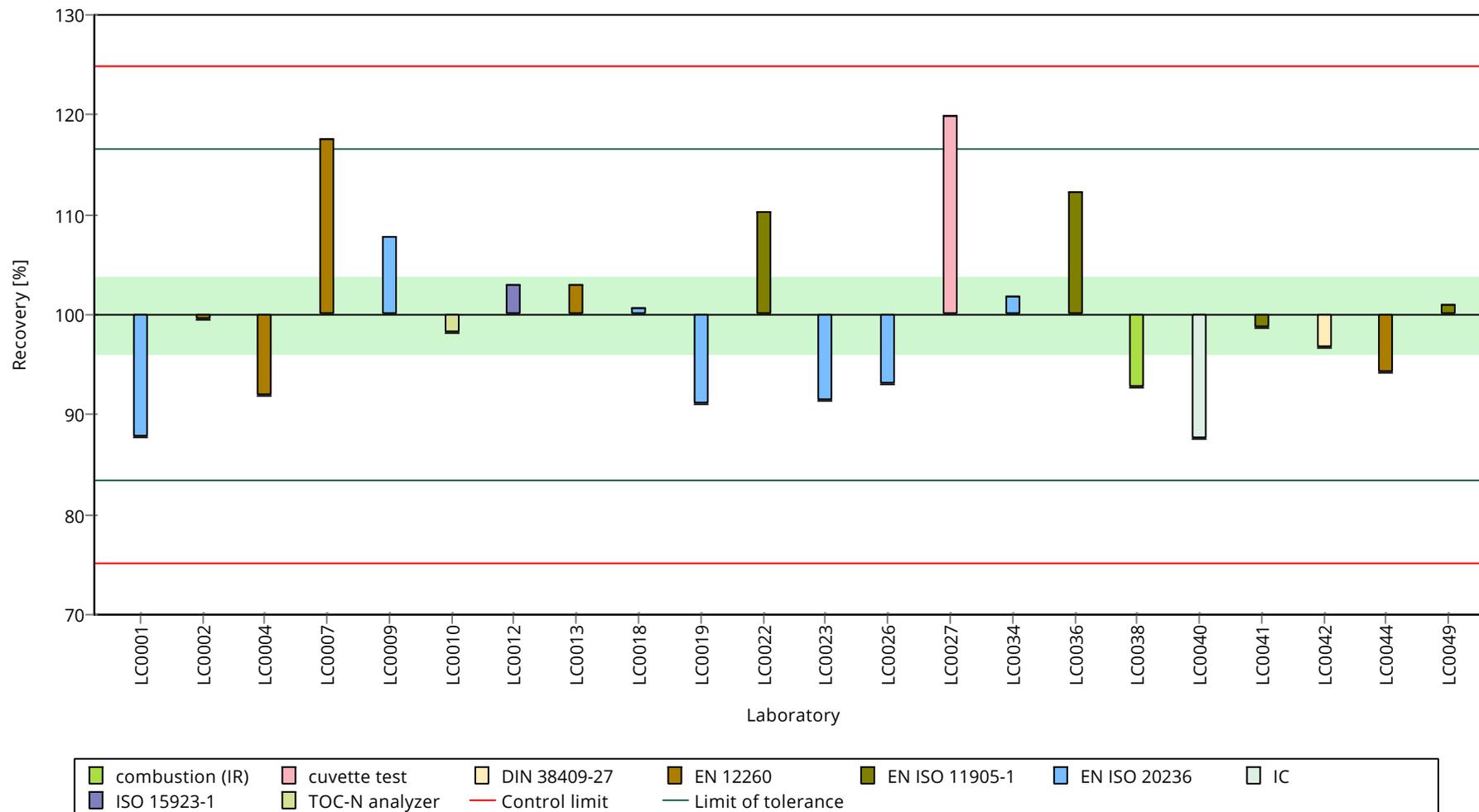
	all results	without outliers	Unit
Mean \pm CI (99%)	2.49 \pm 0.144	2.49 \pm 0.144	mg/l
Minimum	2.18	2.18	mg/l
Maximum	2.99	2.99	mg/l
Standard deviation	0.226	0.226	mg/l
rel. standard deviation	9.05	9.05	%
n	22	22	-

Graphical presentation of results

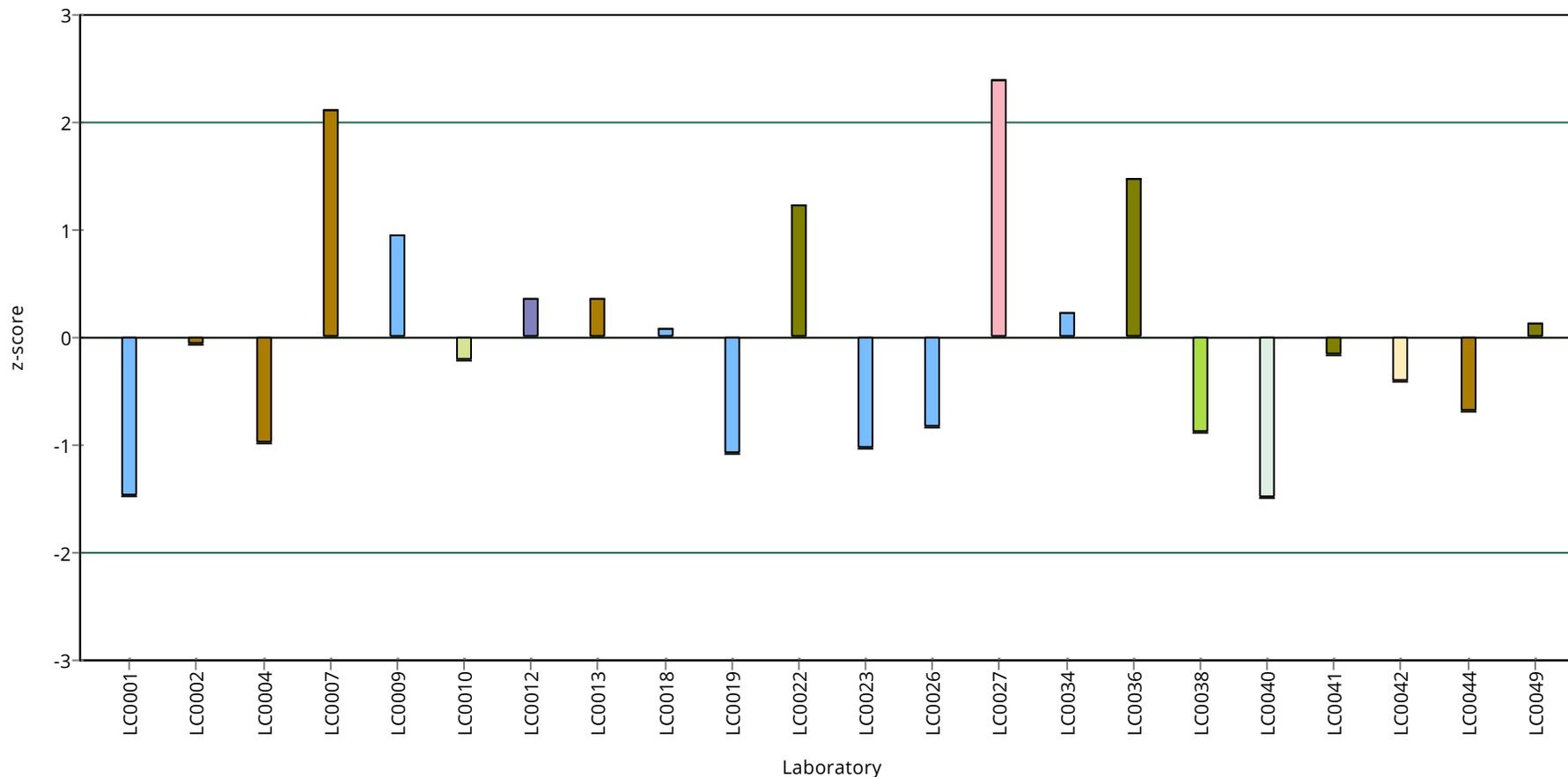
Results



Recovery rate



z-Score



Parameter oriented report

N180 B

Total nitrogen

Unit	mg/l
Assigned value ± U (k=2)	7.29 ± 0.23
Criterion	0.605 (8.3 %)
Minimum - Maximum	6.31 - 8.53
Control test value ± U (k=2)	7.26 ± 1.09

Labcode	Result ± U	Recovery [%]	z-Score	Comments
LC0001	6.58 ± 0.057	90.3	-1.17	
LC0002	7.27 ± 0.31	99.7	-0.03	
LC0003	- ± -	-	-	
LC0004	6.93 ± 0.0375	95.1	-0.59	
LC0005	- ± -	-	-	
LC0006	- ± -	-	-	
LC0007	8.26 ± 3.72	113	1.6	
LC0008	- ± -	-	-	
LC0009	7.45 ± 0.93	102	0.27	
LC0010	7.26 ± 0.73	99.6	-0.05	
LC0011	- ± -	-	-	
LC0012	7.72 ± 0.772	106	0.71	
LC0013	7.16 ± 0.36	98.2	-0.21	
LC0014	7.35 ± 0.287	101	0.1	
LC0015	- ± -	-	-	
LC0016	- ± -	-	-	
LC0017	- ± -	-	-	
LC0018	7.25 ± 0.65	99.5	-0.06	
LC0019	6.6 ± 0.495	90.5	-1.14	
LC0020	- ± -	-	-	
LC0021	- ± -	-	-	
LC0022	7.55 ± 0.75	104	0.43	
LC0023	6.75 ± 0.67	92.6	-0.89	
LC0024	- ± -	-	-	
LC0025	- ± -	-	-	
LC0026	7.04 ± 0.2	96.6	-0.41	
LC0027	8.05 ± 1.8	110	1.26	
LC0028	- ± -	-	-	
LC0029	- ± -	-	-	
LC0030	- ± -	-	-	
LC0031	- ± -	-	-	
LC0032	- ± -	-	-	
LC0033	- ± -	-	-	
LC0034	7.43 ± 0.41	102	0.23	
LC0035	- ± -	-	-	
LC0036	7.98 ± 1.2	109	1.14	
LC0037	- ± -	-	-	
LC0038	6.8 ± 0.7	93.3	-0.81	
LC0039	- ± -	-	-	
LC0040	6.313 ± 0.901	86.6	-1.61	
LC0041	7.16 ± 1.43	98.2	-0.21	

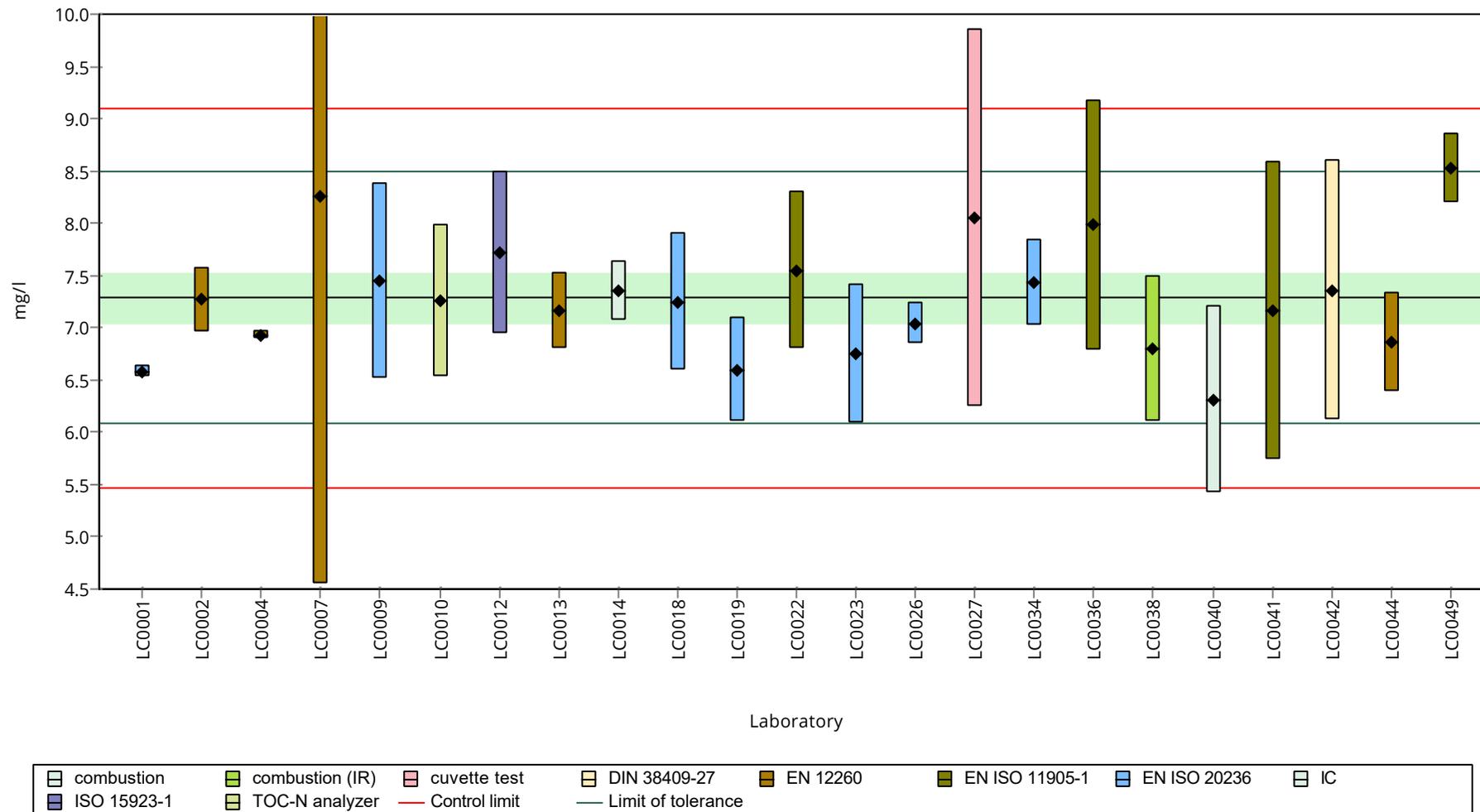
Labcode	Result \pm U	Recovery [%]	z-Score	Comments
LC0042	7.36 \pm 1.25	101	0.12	
LC0043	- \pm -	-	-	
LC0044	6.86 \pm 0.48	94.1	-0.71	
LC0045	- \pm -	-	-	
LC0046	- \pm -	-	-	
LC0047	- \pm -	-	-	
LC0048	- \pm -	-	-	
LC0049	8.53 \pm 0.33	117	2.05	
LC0050	- \pm -	-	-	

Characteristics of parameter

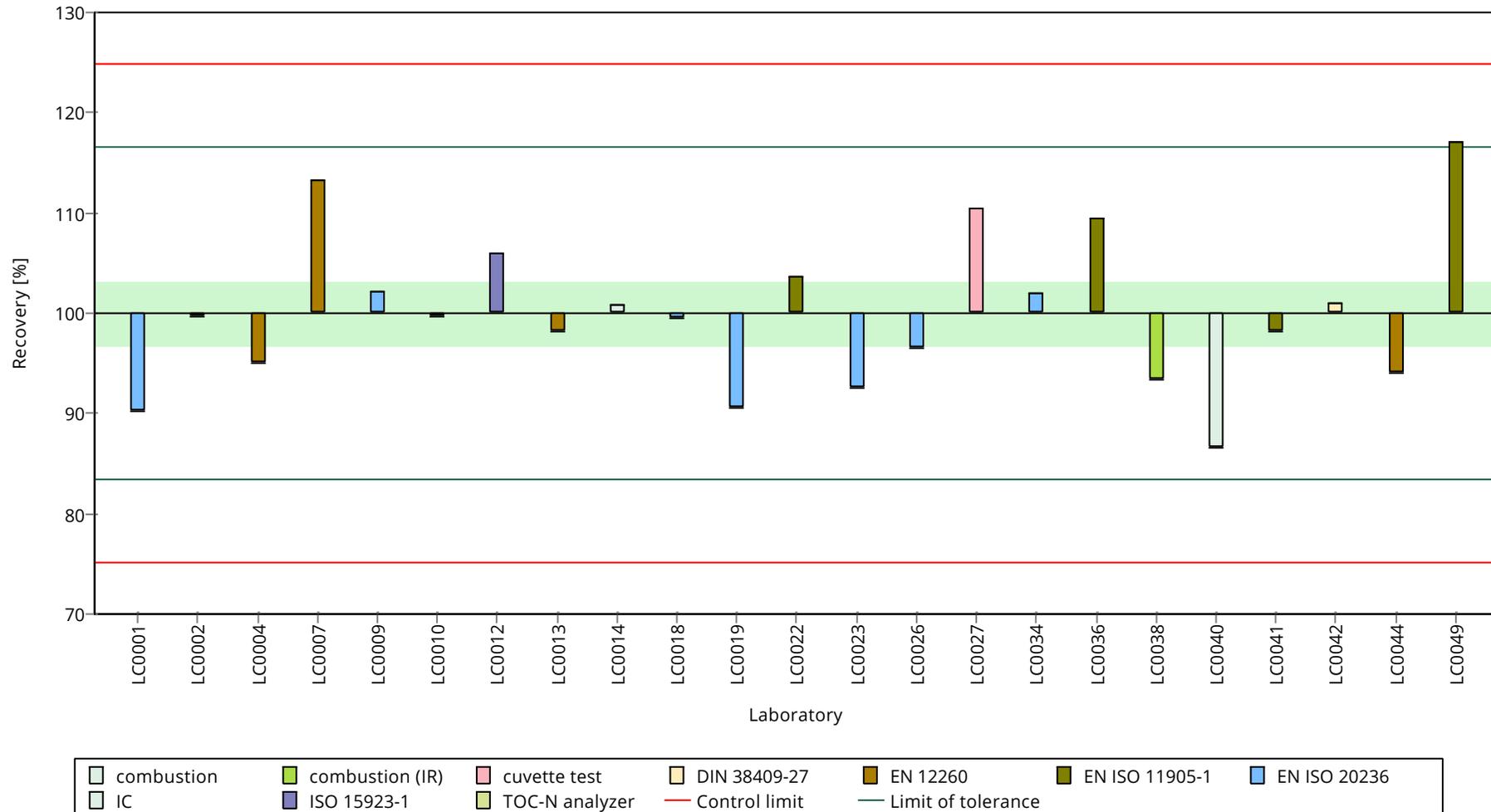
	all results	without outliers	Unit
Mean \pm CI (99%)	7.29 \pm 0.346	7.29 \pm 0.346	mg/l
Minimum	6.31	6.31	mg/l
Maximum	8.53	8.53	mg/l
Standard deviation	0.553	0.553	mg/l
rel. standard deviation	7.58	7.58	%
n	23	23	-

Graphical presentation of results

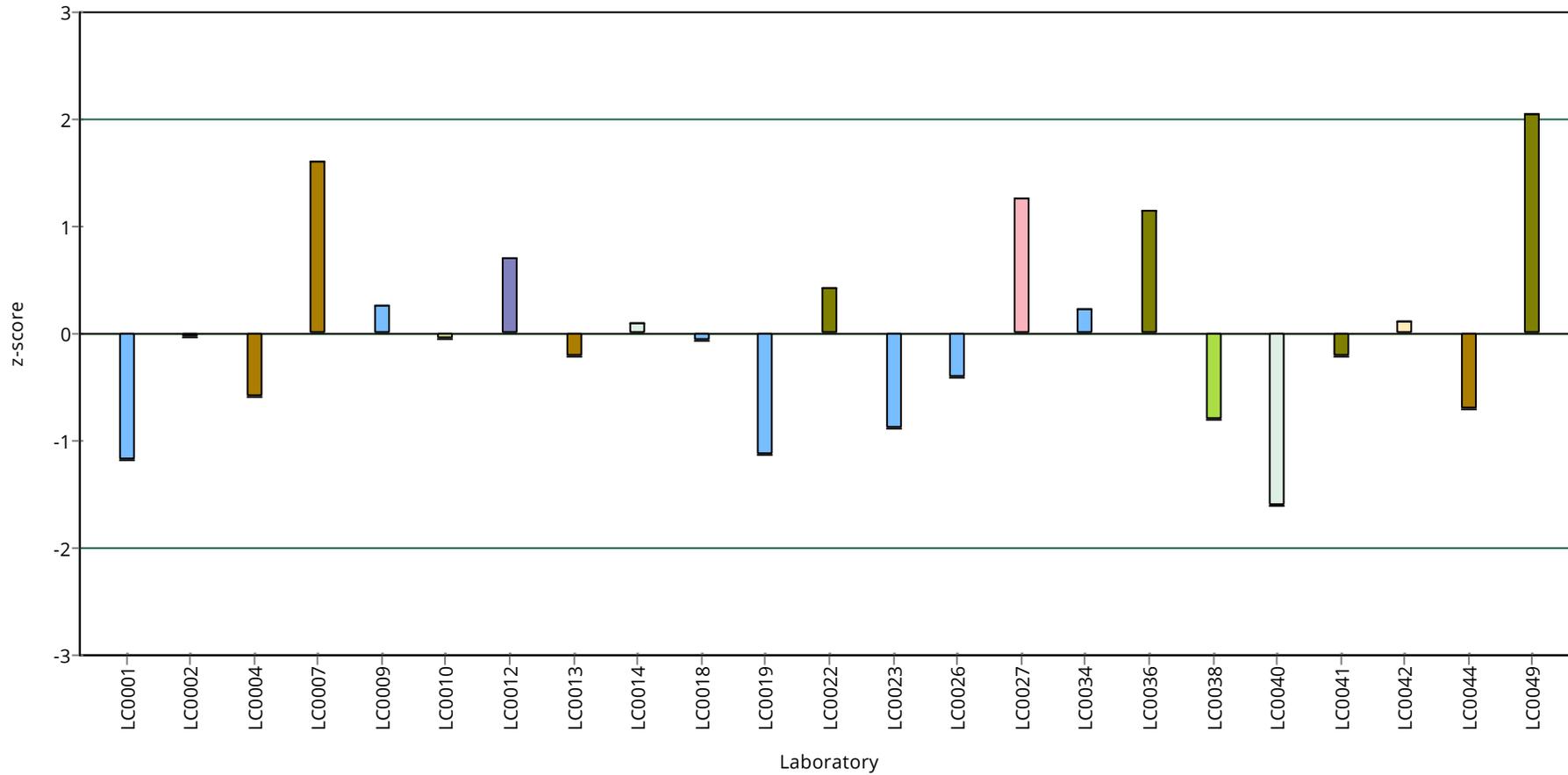
Results



Recovery rate



z-Score



E8. Labororientierte Auswertung / Laboratory oriented report

Die Labororientierte Auswertung ist nach dem Laborcode sortiert.

The laboratory oriented report is sorted by laboratory code.

Sample: N180A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	7.31 \pm 0.0254	7.4 \pm 0.006	0.146	101	0.61
Ammonium (as NH ₄)	mg/l	0.0867 \pm 0.00322	0.0836 \pm 0.001	0.0104	96.4	-0.30
Boron	mg/l	0.0592 \pm 0.00162	0.0584 \pm 0.001	0.00652	98.6	-0.13
Calcium	mg/l	168 \pm 1.9	164 \pm 0.577	5.2	97.7	-0.73
Chloride	mg/l	110 \pm 0.63	110 \pm 0.001	4.41	99.8	-0.04
El. conductivity (25°C)	μ S/cm	1170 \pm 4.33	1140 \pm 5.774	15.3	97.1	-2.22
Hydrogen carbonate	mg/l	445 \pm 1.63	451 \pm 0.001	8.9	101	0.65
Magnesium	mg/l	39.8 \pm 0.541	39.9 \pm 0.306	1.59	100	0.08
Nitrate (as NO ₃)	mg/l	10.1 \pm 0.0896	10.6 \pm 0.001	0.507	104	0.90
Nitrite (as NO ₂)	mg/l	0.0307 \pm 0.00108	0.0361 \pm 0.001	0.00307	118	1.77
Orthophosphate (as PO ₄)	mg/l	0.051 \pm 0.00379	0.0497 \pm 0.001	0.0102	97.4	-0.13
pH-value	-	7.6 \pm 0.0251	7.69 \pm 0.01	0.152	101	0.56
Potassium	mg/l	2.5 \pm 0.0456	2.47 \pm 0.006	0.13	99	-0.20
Sodium	mg/l	23.3 \pm 0.188	23.9 \pm 0.153	0.791	103	0.81
Sulfate (as SO ₄)	mg/l	106 \pm 0.947	105 \pm 0.707	3.51	98.7	-0.41
Total-P (as PO ₄)	mg/l	0.145 \pm 0.00263	0.146 \pm 0.001	0.0109	100	0.07
Total hardness	mmol/l	5.84 \pm 0.0648	5.73 \pm 0.028	0.175	98.1	-0.62
Total nitrogen	mg/l	2.49 \pm 0.0962	2.19 \pm 0.099	0.207	87.8	-1.47

Sample: N180ADOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.55 \pm 0.082	1.35 \pm 0.064	0.186	87	-1.08

Sample: N180B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	3.5 \pm 0.0202	3.53 \pm 0.006	0.0699	101	0.50

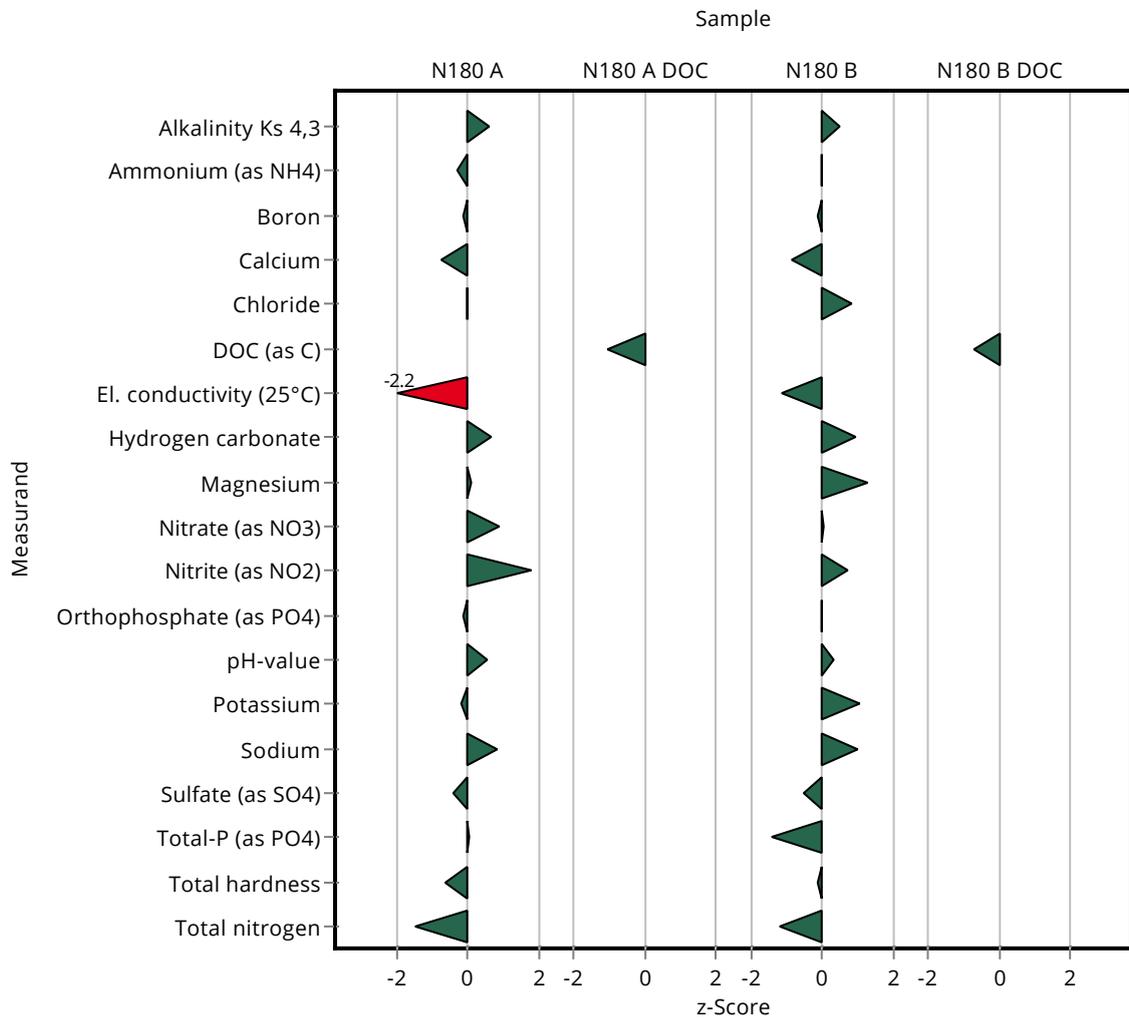
Summary of results Nutrients/Major Ions N180

Labcode: LC0001

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.29 \pm 0.0086	0.289 \pm 0.002	0.0348	99.7	-0.03
Boron	mg/l	0.0162 \pm 0.000839	0.016 \pm 0.001	0.00179	98.6	-0.13
Calcium	mg/l	65.6 \pm 0.729	63.9 \pm 1.127	2.03	97.4	-0.85
Chloride	mg/l	41.2 \pm 0.375	42.5 \pm 0.212	1.65	103	0.81
El. conductivity (25°C)	μ S/cm	571 \pm 1.88	562 \pm 2.082	7.42	98.5	-1.16
Hydrogen carbonate	mg/l	211 \pm 1.2	215 \pm 0.001	4.22	102	0.92
Magnesium	mg/l	15.8 \pm 0.174	16.6 \pm 0.058	0.632	105	1.27
Nitrate (as NO ₃)	mg/l	29.5 \pm 0.271	29.6 \pm 0.058	1.48	100	0.04
Nitrite (as NO ₂)	mg/l	0.385 \pm 0.00518	0.4 \pm 0.001	0.0204	104	0.71
Orthophosphate (as PO ₄)	mg/l	0.411 \pm 0.051	0.407 \pm 0.001	0.123	99	-0.03
pH-value	-	7.58 \pm 0.0328	7.63 \pm 0.012	0.152	101	0.34
Potassium	mg/l	2.79 \pm 0.0421	2.95 \pm 0.064	0.145	106	1.07
Sodium	mg/l	24.8 \pm 0.253	25.7 \pm 0.351	0.844	104	1.03
Sulfate (as SO ₄)	mg/l	32 \pm 0.308	31.5 \pm 0.1	1.06	98.3	-0.51
Total-P (as PO ₄)	mg/l	2.01 \pm 0.0245	1.79 \pm 0.04	0.151	89.2	-1.44
Total hardness	mmol/l	2.29 \pm 0.0232	2.28 \pm 0.029	0.0686	99.7	-0.11
Total nitrogen	mg/l	7.29 \pm 0.23	6.58 \pm 0.057	0.605	90.3	-1.17

Sample: N180BDOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.87 \pm 0.0629	2.67 \pm 0.062	0.287	93	-0.70



Sample: N180A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	7.31 \pm 0.0254	7.4 \pm 0.006	0.146	101	3.20
Ammonium (as NH4)	mg/l	0.0867 \pm 0.00322	0.0836 \pm 0.001	0.0104	96.4	-0.83
Boron	mg/l	0.0592 \pm 0.00162	0.0584 \pm 0.001	0.00652	98.6	-0.32
Calcium	mg/l	168 \pm 1.9	164 \pm 0.577	5.2	97.7	-1.72
Chloride	mg/l	110 \pm 0.63	110 \pm 0.001	4.41	99.8	-0.30
El. conductivity (25°C)	μ S/cm	1170 \pm 4.33	1140 \pm 5.774	15.3	97.1	-2.75
Hydrogen carbonate	mg/l	445 \pm 1.63	451 \pm 0.001	8.9	101	3.56
Magnesium	mg/l	39.8 \pm 0.541	39.9 \pm 0.306	1.59	100	0.16
Nitrate (as NO3)	mg/l	10.1 \pm 0.0896	10.6 \pm 0.001	0.507	104	5.07
Nitrite (as NO2)	mg/l	0.0307 \pm 0.00108	0.0361 \pm 0.001	0.00307	118	2.39
Orthophosphate (as PO4)	mg/l	0.051 \pm 0.00379	0.0497 \pm 0.001	0.0102	97.4	-0.31
pH-value	-	7.6 \pm 0.0251	7.69 \pm 0.01	0.152	101	2.67
Potassium	mg/l	2.5 \pm 0.0456	2.47 \pm 0.006	0.13	99	-0.54
Sodium	mg/l	23.3 \pm 0.188	23.9 \pm 0.153	0.791	103	1.79
Sulfate (as SO4)	mg/l	106 \pm 0.947	105 \pm 0.707	3.51	98.7	-0.84
Total-P (as PO4)	mg/l	0.145 \pm 0.00263	0.146 \pm 0.001	0.0109	100	0.22
Total hardness	mmol/l	5.84 \pm 0.0648	5.73 \pm 0.028	0.175	98.1	-1.28
Total nitrogen	mg/l	2.49 \pm 0.0962	2.19 \pm 0.099	0.207	87.8	-1.38

Sample: N180ADOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.55 \pm 0.082	1.35 \pm 0.064	0.186	87	-1.33

Sample: N180B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	3.5 \pm 0.0202	3.53 \pm 0.006	0.0699	101	1.48

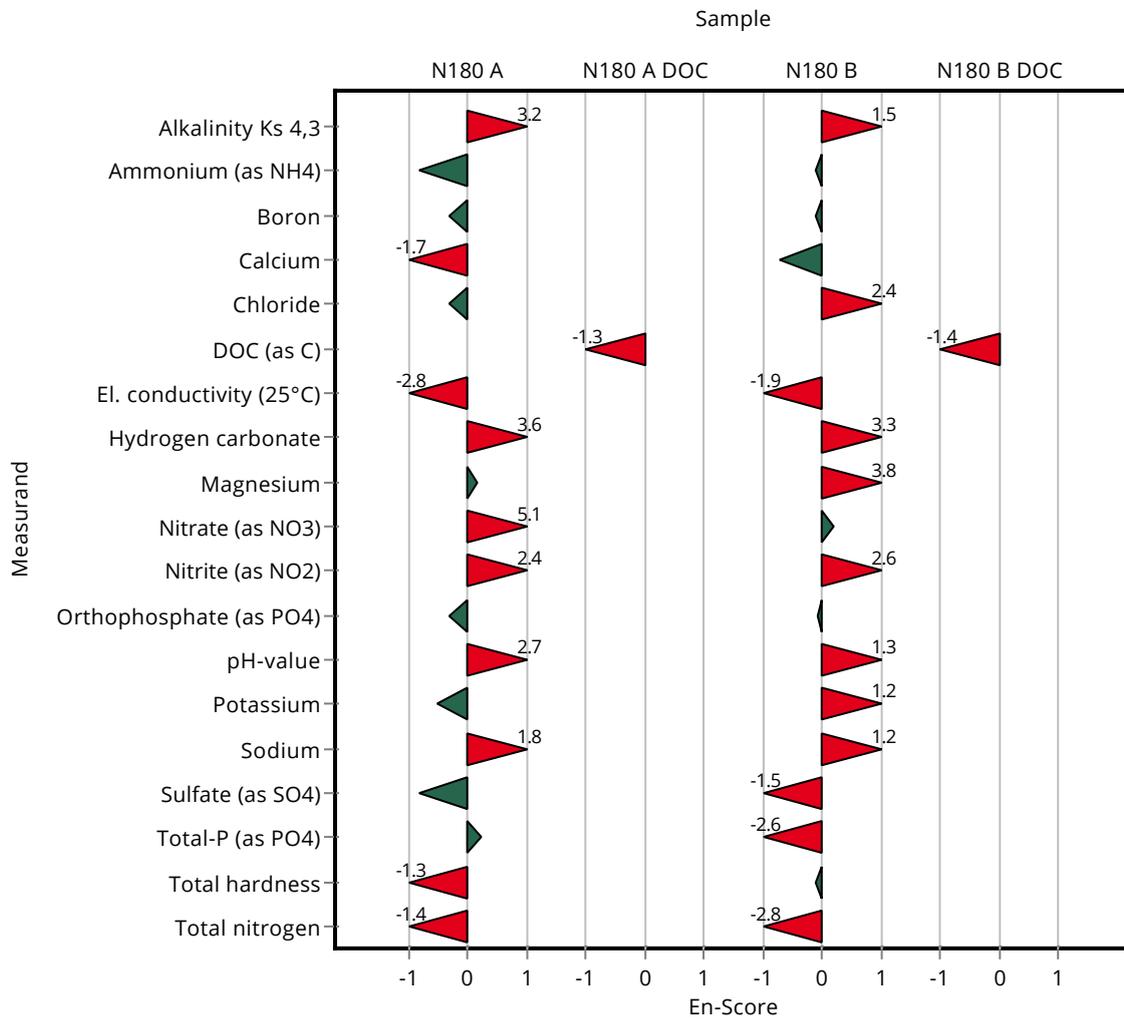
Summary of results Nutrients/Major Ions N180 - En-Score

Labcode: LC0001

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.29 \pm 0.0086	0.289 \pm 0.002	0.0348	99.7	-0.10
Boron	mg/l	0.0162 \pm 0.000839	0.016 \pm 0.001	0.00179	98.6	-0.11
Calcium	mg/l	65.6 \pm 0.729	63.9 \pm 1.127	2.03	97.4	-0.73
Chloride	mg/l	41.2 \pm 0.375	42.5 \pm 0.212	1.65	103	2.37
El. conductivity (25°C)	μ S/cm	571 \pm 1.88	562 \pm 2.082	7.42	98.5	-1.88
Hydrogen carbonate	mg/l	211 \pm 1.2	215 \pm 0.001	4.22	102	3.26
Magnesium	mg/l	15.8 \pm 0.174	16.6 \pm 0.058	0.632	105	3.84
Nitrate (as NO ₃)	mg/l	29.5 \pm 0.271	29.6 \pm 0.058	1.48	100	0.18
Nitrite (as NO ₂)	mg/l	0.385 \pm 0.00518	0.4 \pm 0.001	0.0204	104	2.62
Orthophosphate (as PO ₄)	mg/l	0.411 \pm 0.051	0.407 \pm 0.001	0.123	99	-0.08
pH-value	-	7.58 \pm 0.0328	7.63 \pm 0.012	0.152	101	1.28
Potassium	mg/l	2.79 \pm 0.0421	2.95 \pm 0.064	0.145	106	1.15
Sodium	mg/l	24.8 \pm 0.253	25.7 \pm 0.351	0.844	104	1.17
Sulfate (as SO ₄)	mg/l	32 \pm 0.308	31.5 \pm 0.1	1.06	98.3	-1.45
Total-P (as PO ₄)	mg/l	2.01 \pm 0.0245	1.79 \pm 0.04	0.151	89.2	-2.60
Total hardness	mmol/l	2.29 \pm 0.0232	2.28 \pm 0.029	0.0686	99.7	-0.13
Total nitrogen	mg/l	7.29 \pm 0.23	6.58 \pm 0.057	0.605	90.3	-2.76

Sample: N180BDOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	2.87 \pm 0.0629	2.67 \pm 0.062	0.287	93	-1.44



Sample: N180A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	7.31 \pm 0.0254	7.43 \pm 0.37	0.146	102	0.82
Ammonium (as NH ₄)	mg/l	0.0867 \pm 0.00322	0.091 \pm 0.0057	0.0104	105	0.41
Boron	mg/l	0.0592 \pm 0.00162	0.0557 \pm 0.00502	0.00652	94	-0.54
Calcium	mg/l	168 \pm 1.9	175 \pm 16	5.2	104	1.38
Chloride	mg/l	110 \pm 0.63	109 \pm 1.9	4.41	98.9	-0.27
El. conductivity (25°C)	μ S/cm	1170 \pm 4.33	1145 \pm 23	15.3	97.5	-1.90
Hydrogen carbonate	mg/l	445 \pm 1.63	- \pm -	8.9	-	-
Magnesium	mg/l	39.8 \pm 0.541	41 \pm 3.48	1.59	103	0.77
Nitrate (as NO ₃)	mg/l	10.1 \pm 0.0896	9.87 \pm 0.21	0.507	97.3	-0.54
Nitrite (as NO ₂)	mg/l	0.0307 \pm 0.00108	0.0251 \pm 0.0017	0.00307	81.8	-1.82
Orthophosphate (as PO ₄)	mg/l	0.051 \pm 0.00379	0.0506 \pm 0.0014	0.0102	99.1	-0.04
pH-value	-	7.6 \pm 0.0251	7.78 \pm 0.16	0.152	102	1.16
Potassium	mg/l	2.5 \pm 0.0456	2.63 \pm 0.181	0.13	105	1.04
Sodium	mg/l	23.3 \pm 0.188	24.5 \pm 1.74	0.791	105	1.57
Sulfate (as SO ₄)	mg/l	106 \pm 0.947	103 \pm 1.2	3.51	96.8	-0.98
Total-P (as PO ₄)	mg/l	0.145 \pm 0.00263	- \pm -	0.0109	-	-
Total hardness	mmol/l	5.84 \pm 0.0648	- \pm -	0.175	-	-
Total nitrogen	mg/l	2.49 \pm 0.0962	2.48 \pm 0.11	0.207	99.4	-0.07

Sample: N180ADOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.55 \pm 0.082	1.55 \pm 0.1	0.186	99.9	-0.01

Sample: N180B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	3.5 \pm 0.0202	3.55 \pm 0.18	0.0699	102	0.78

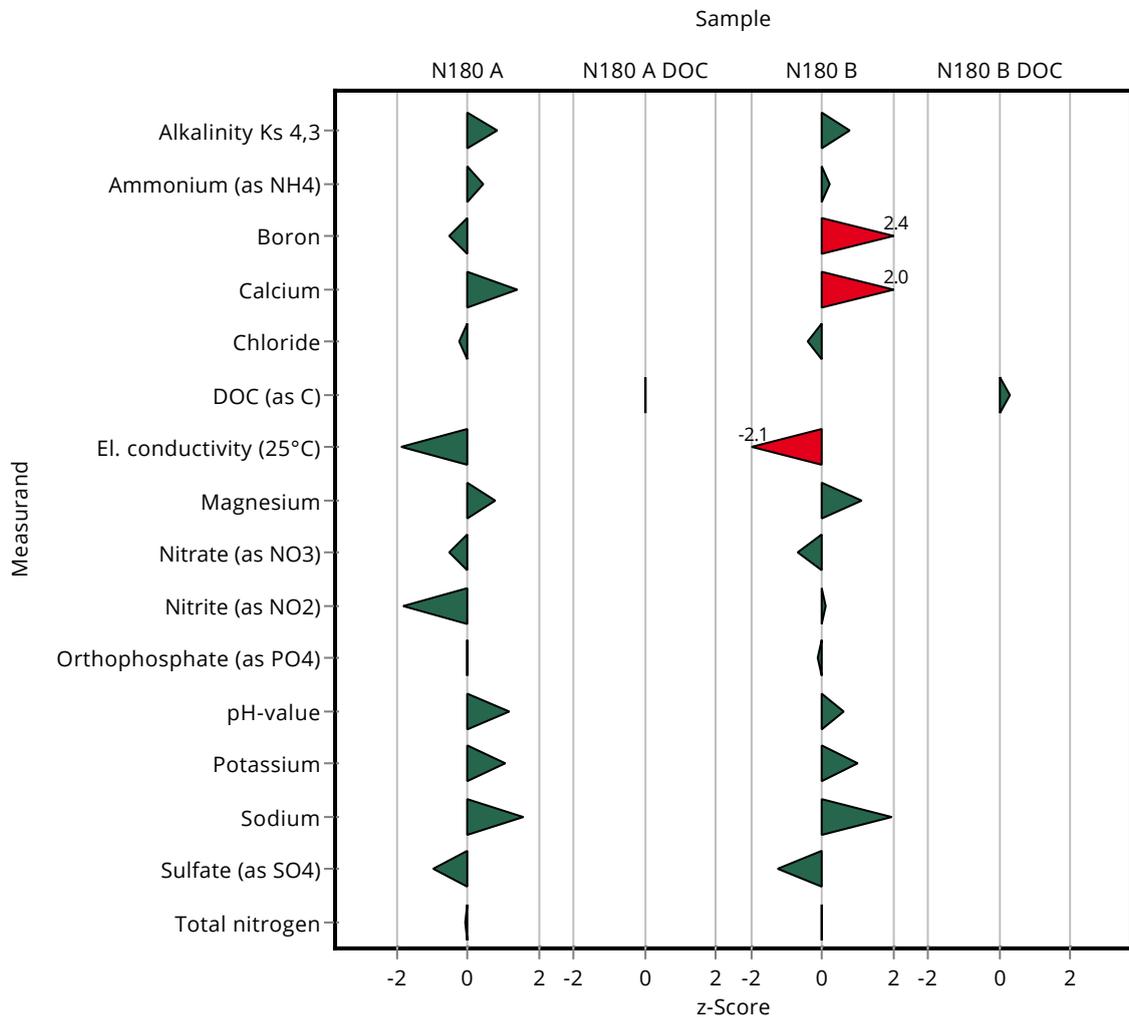
Summary of results Nutrients/Major Ions N180

Labcode: LC0002

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.29 \pm 0.0086	0.298 \pm 0.019	0.0348	103	0.23
Boron	mg/l	0.0162 \pm 0.000839	0.0205 \pm 0.00185	0.00179	126	2.39
Calcium	mg/l	65.6 \pm 0.729	69.8 \pm 6.38	2.03	106	2.05
Chloride	mg/l	41.2 \pm 0.375	40.5 \pm 0.69	1.65	98.4	-0.40
El. conductivity (25°C)	μ S/cm	571 \pm 1.88	555 \pm 11	7.42	97.3	-2.10
Hydrogen carbonate	mg/l	211 \pm 1.2	- \pm -	4.22	-	-
Magnesium	mg/l	15.8 \pm 0.174	16.5 \pm 1.4	0.632	104	1.11
Nitrate (as NO ₃)	mg/l	29.5 \pm 0.271	28.5 \pm 0.6	1.48	96.5	-0.71
Nitrite (as NO ₂)	mg/l	0.385 \pm 0.00518	0.387 \pm 0.027	0.0204	100	0.07
Orthophosphate (as PO ₄)	mg/l	0.411 \pm 0.051	0.398 \pm 0.011	0.123	96.8	-0.11
pH-value	-	7.58 \pm 0.0328	7.67 \pm 0.15	0.152	101	0.61
Potassium	mg/l	2.79 \pm 0.0421	2.94 \pm 0.202	0.145	105	1.00
Sodium	mg/l	24.8 \pm 0.253	26.5 \pm 1.89	0.844	107	1.98
Sulfate (as SO ₄)	mg/l	32 \pm 0.308	30.7 \pm 0.37	1.06	95.8	-1.26
Total-P (as PO ₄)	mg/l	2.01 \pm 0.0245	- \pm -	0.151	-	-
Total hardness	mmol/l	2.29 \pm 0.0232	- \pm -	0.0686	-	-
Total nitrogen	mg/l	7.29 \pm 0.23	7.27 \pm 0.31	0.605	99.7	-0.03

Sample: N180BDOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.87 \pm 0.0629	2.96 \pm 0.2	0.287	103	0.31



Sample: N180A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	7.31 \pm 0.0254	7.43 \pm 0.37	0.146	102	0.16
Ammonium (as NH ₄)	mg/l	0.0867 \pm 0.00322	0.091 \pm 0.0057	0.0104	105	0.36
Boron	mg/l	0.0592 \pm 0.00162	0.0557 \pm 0.00502	0.00652	94	-0.35
Calcium	mg/l	168 \pm 1.9	175 \pm 16	5.2	104	0.22
Chloride	mg/l	110 \pm 0.63	109 \pm 1.9	4.41	98.9	-0.31
El. conductivity (25°C)	μ S/cm	1170 \pm 4.33	1145 \pm 23	15.3	97.5	-0.63
Hydrogen carbonate	mg/l	445 \pm 1.63	- \pm -	8.9	-	-
Magnesium	mg/l	39.8 \pm 0.541	41 \pm 3.48	1.59	103	0.18
Nitrate (as NO ₃)	mg/l	10.1 \pm 0.0896	9.87 \pm 0.21	0.507	97.3	-0.64
Nitrite (as NO ₂)	mg/l	0.0307 \pm 0.00108	0.0251 \pm 0.0017	0.00307	81.8	-1.56
Orthophosphate (as PO ₄)	mg/l	0.051 \pm 0.00379	0.0506 \pm 0.0014	0.0102	99.1	-0.09
pH-value	-	7.6 \pm 0.0251	7.78 \pm 0.16	0.152	102	0.55
Potassium	mg/l	2.5 \pm 0.0456	2.63 \pm 0.181	0.13	105	0.37
Sodium	mg/l	23.3 \pm 0.188	24.5 \pm 1.74	0.791	105	0.36
Sulfate (as SO ₄)	mg/l	106 \pm 0.947	103 \pm 1.2	3.51	96.8	-1.33
Total-P (as PO ₄)	mg/l	0.145 \pm 0.00263	- \pm -	0.0109	-	-
Total hardness	mmol/l	5.84 \pm 0.0648	- \pm -	0.175	-	-
Total nitrogen	mg/l	2.49 \pm 0.0962	2.48 \pm 0.11	0.207	99.4	-0.06

Sample: N180ADOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.55 \pm 0.082	1.55 \pm 0.1	0.186	99.9	-0.01

Sample: N180B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	3.5 \pm 0.0202	3.55 \pm 0.18	0.0699	102	0.15

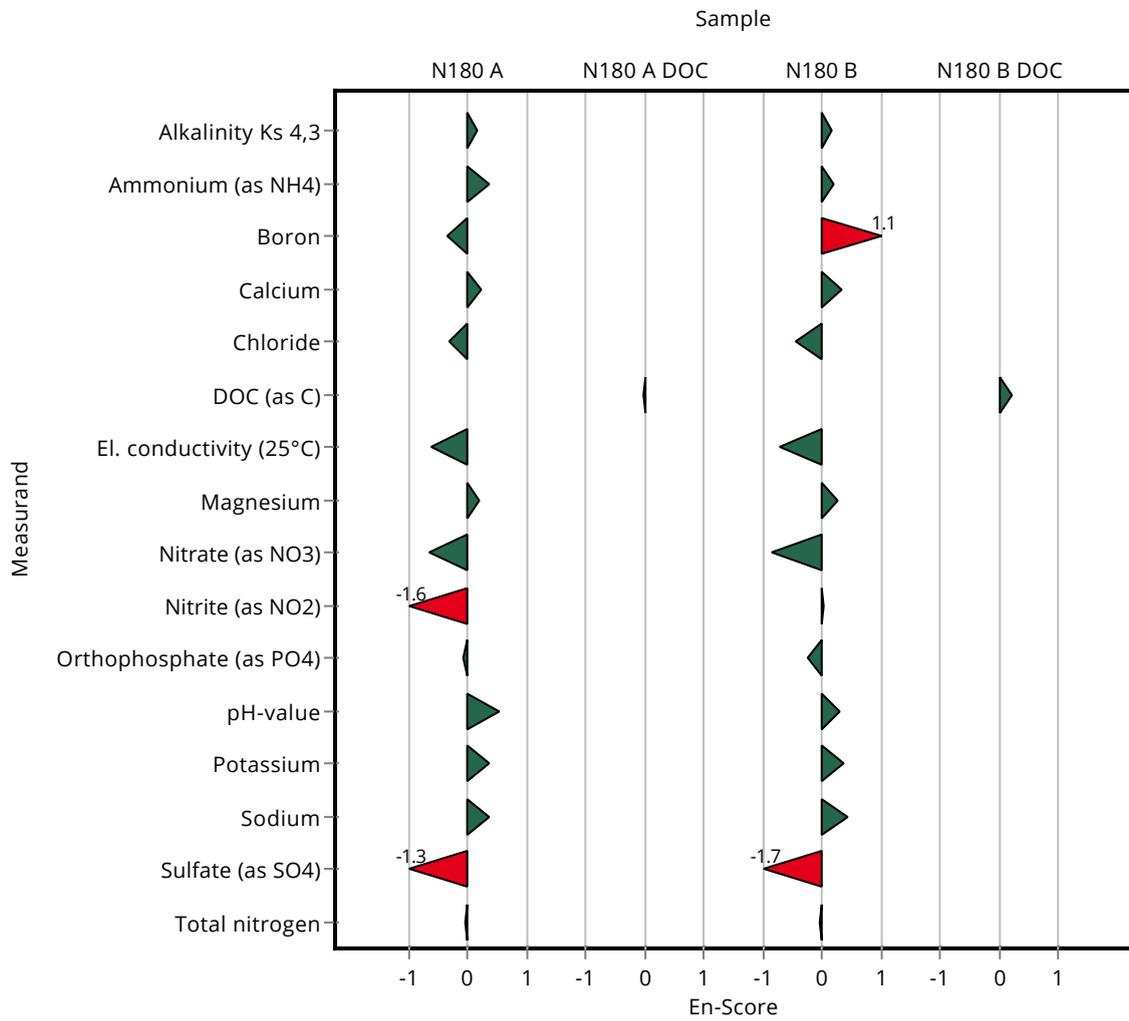
Summary of results Nutrients/Major Ions N180 - En-Score

Labcode: LC0002

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.29 \pm 0.0086	0.298 \pm 0.019	0.0348	103	0.21
Boron	mg/l	0.0162 \pm 0.000839	0.0205 \pm 0.00185	0.00179	126	1.13
Calcium	mg/l	65.6 \pm 0.729	69.8 \pm 6.38	2.03	106	0.33
Chloride	mg/l	41.2 \pm 0.375	40.5 \pm 0.69	1.65	98.4	-0.46
El. conductivity (25°C)	μ S/cm	571 \pm 1.88	555 \pm 11	7.42	97.3	-0.71
Hydrogen carbonate	mg/l	211 \pm 1.2	- \pm -	4.22	-	-
Magnesium	mg/l	15.8 \pm 0.174	16.5 \pm 1.4	0.632	104	0.25
Nitrate (as NO ₃)	mg/l	29.5 \pm 0.271	28.5 \pm 0.6	1.48	96.5	-0.85
Nitrite (as NO ₂)	mg/l	0.385 \pm 0.00518	0.387 \pm 0.027	0.0204	100	0.03
Orthophosphate (as PO ₄)	mg/l	0.411 \pm 0.051	0.398 \pm 0.011	0.123	96.8	-0.23
pH-value	-	7.58 \pm 0.0328	7.67 \pm 0.15	0.152	101	0.31
Potassium	mg/l	2.79 \pm 0.0421	2.94 \pm 0.202	0.145	105	0.36
Sodium	mg/l	24.8 \pm 0.253	26.5 \pm 1.89	0.844	107	0.44
Sulfate (as SO ₄)	mg/l	32 \pm 0.308	30.7 \pm 0.37	1.06	95.8	-1.66
Total-P (as PO ₄)	mg/l	2.01 \pm 0.0245	- \pm -	0.151	-	-
Total hardness	mmol/l	2.29 \pm 0.0232	- \pm -	0.0686	-	-
Total nitrogen	mg/l	7.29 \pm 0.23	7.27 \pm 0.31	0.605	99.7	-0.03

Sample: N180BDOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	2.87 \pm 0.0629	2.96 \pm 0.2	0.287	103	0.22



Sample: N180A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	7.31 \pm 0.0254	7.29 \pm 0.73	0.146	99.7	-0.14
Ammonium (as NH ₄)	mg/l	0.0867 \pm 0.00322	0.09646 \pm 0.00965	0.0104	111	0.93
Boron	mg/l	0.0592 \pm 0.00162	- \pm -	0.00652	-	-
Calcium	mg/l	168 \pm 1.9	- \pm -	5.2	-	-
Chloride	mg/l	110 \pm 0.63	- \pm -	4.41	-	-
El. conductivity (25°C)	μ S/cm	1170 \pm 4.33	1184 \pm 24	15.3	101	0.66
Hydrogen carbonate	mg/l	445 \pm 1.63	- \pm -	8.9	-	-
Magnesium	mg/l	39.8 \pm 0.541	- \pm -	1.59	-	-
Nitrate (as NO ₃)	mg/l	10.1 \pm 0.0896	- \pm -	0.507	-	-
Nitrite (as NO ₂)	mg/l	0.0307 \pm 0.00108	- \pm -	0.00307	-	-
Orthophosphate (as PO ₄)	mg/l	0.051 \pm 0.00379	0.05703 \pm 0.0057	0.0102	112	0.59
pH-value	-	7.6 \pm 0.0251	7.62 \pm 0.15	0.152	100	0.10
Potassium	mg/l	2.5 \pm 0.0456	- \pm -	0.13	-	-
Sodium	mg/l	23.3 \pm 0.188	- \pm -	0.791	-	-
Sulfate (as SO ₄)	mg/l	106 \pm 0.947	- \pm -	3.51	-	-
Total-P (as PO ₄)	mg/l	0.145 \pm 0.00263	2.022 \pm 0.202	0.0109	1390	172.23
Total hardness	mmol/l	5.84 \pm 0.0648	- \pm -	0.175	-	-
Total nitrogen	mg/l	2.49 \pm 0.0962	- \pm -	0.207	-	-

Sample: N180ADOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.55 \pm 0.082	- \pm -	0.186	-	-

Sample: N180B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	3.5 \pm 0.0202	3.51 \pm 0.35	0.0699	100	0.21

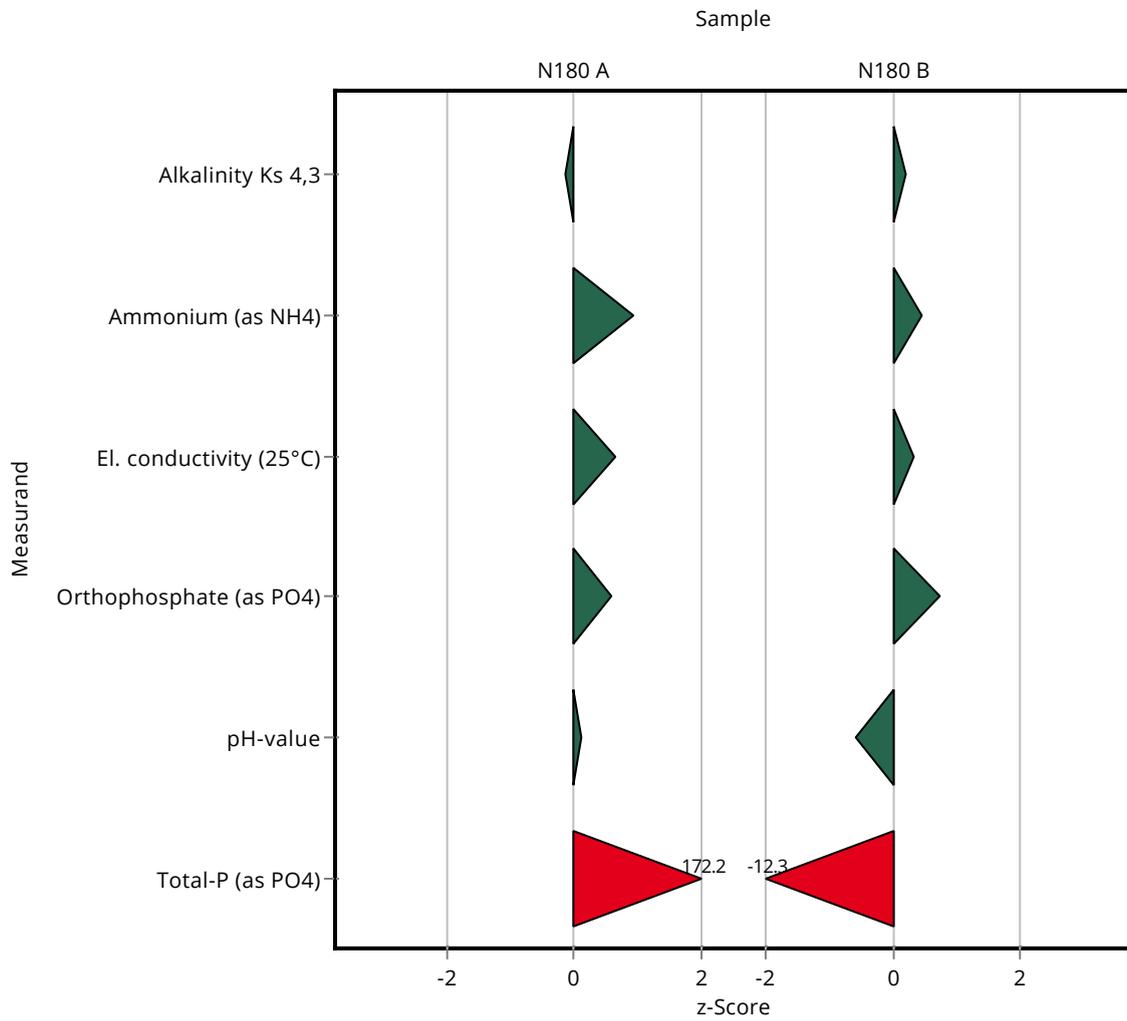
Summary of results Nutrients/Major Ions N180

Labcode: LC0003

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.29 \pm 0.0086	0.3054 \pm 0.0305	0.0348	105	0.44
Boron	mg/l	0.0162 \pm 0.000839	- \pm -	0.00179	-	-
Calcium	mg/l	65.6 \pm 0.729	- \pm -	2.03	-	-
Chloride	mg/l	41.2 \pm 0.375	- \pm -	1.65	-	-
El. conductivity (25°C)	μ S/cm	571 \pm 1.88	573 \pm 11	7.42	100	0.33
Hydrogen carbonate	mg/l	211 \pm 1.2	- \pm -	4.22	-	-
Magnesium	mg/l	15.8 \pm 0.174	- \pm -	0.632	-	-
Nitrate (as NO ₃)	mg/l	29.5 \pm 0.271	- \pm -	1.48	-	-
Nitrite (as NO ₂)	mg/l	0.385 \pm 0.00518	- \pm -	0.0204	-	-
Orthophosphate (as PO ₄)	mg/l	0.411 \pm 0.051	0.5016 \pm 0.0502	0.123	122	0.73
pH-value	-	7.58 \pm 0.0328	7.49 \pm 0.15	0.152	98.8	-0.58
Potassium	mg/l	2.79 \pm 0.0421	- \pm -	0.145	-	-
Sodium	mg/l	24.8 \pm 0.253	- \pm -	0.844	-	-
Sulfate (as SO ₄)	mg/l	32 \pm 0.308	- \pm -	1.06	-	-
Total-P (as PO ₄)	mg/l	2.01 \pm 0.0245	0.1618 \pm 0.0162	0.151	8.06	-12.26
Total hardness	mmol/l	2.29 \pm 0.0232	- \pm -	0.0686	-	-
Total nitrogen	mg/l	7.29 \pm 0.23	- \pm -	0.605	-	-

Sample: N180BDOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.87 \pm 0.0629	- \pm -	0.287	-	-



Sample: N180A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	7.31 \pm 0.0254	7.29 \pm 0.73	0.146	99.7	-0.01
Ammonium (as NH ₄)	mg/l	0.0867 \pm 0.00322	0.09646 \pm 0.00965	0.0104	111	0.50
Boron	mg/l	0.0592 \pm 0.00162	- \pm -	0.00652	-	-
Calcium	mg/l	168 \pm 1.9	- \pm -	5.2	-	-
Chloride	mg/l	110 \pm 0.63	- \pm -	4.41	-	-
El. conductivity (25°C)	μ S/cm	1170 \pm 4.33	1184 \pm 24	15.3	101	0.21
Hydrogen carbonate	mg/l	445 \pm 1.63	- \pm -	8.9	-	-
Magnesium	mg/l	39.8 \pm 0.541	- \pm -	1.59	-	-
Nitrate (as NO ₃)	mg/l	10.1 \pm 0.0896	- \pm -	0.507	-	-
Nitrite (as NO ₂)	mg/l	0.0307 \pm 0.00108	- \pm -	0.00307	-	-
Orthophosphate (as PO ₄)	mg/l	0.051 \pm 0.00379	0.05703 \pm 0.0057	0.0102	112	0.50
pH-value	-	7.6 \pm 0.0251	7.62 \pm 0.15	0.152	100	0.05
Potassium	mg/l	2.5 \pm 0.0456	- \pm -	0.13	-	-
Sodium	mg/l	23.3 \pm 0.188	- \pm -	0.791	-	-
Sulfate (as SO ₄)	mg/l	106 \pm 0.947	- \pm -	3.51	-	-
Total-P (as PO ₄)	mg/l	0.145 \pm 0.00263	2.022 \pm 0.202	0.0109	1390	4.65
Total hardness	mmol/l	5.84 \pm 0.0648	- \pm -	0.175	-	-
Total nitrogen	mg/l	2.49 \pm 0.0962	- \pm -	0.207	-	-

Sample: N180ADOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.55 \pm 0.082	- \pm -	0.186	-	-

Sample: N180B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	3.5 \pm 0.0202	3.51 \pm 0.35	0.0699	100	0.02

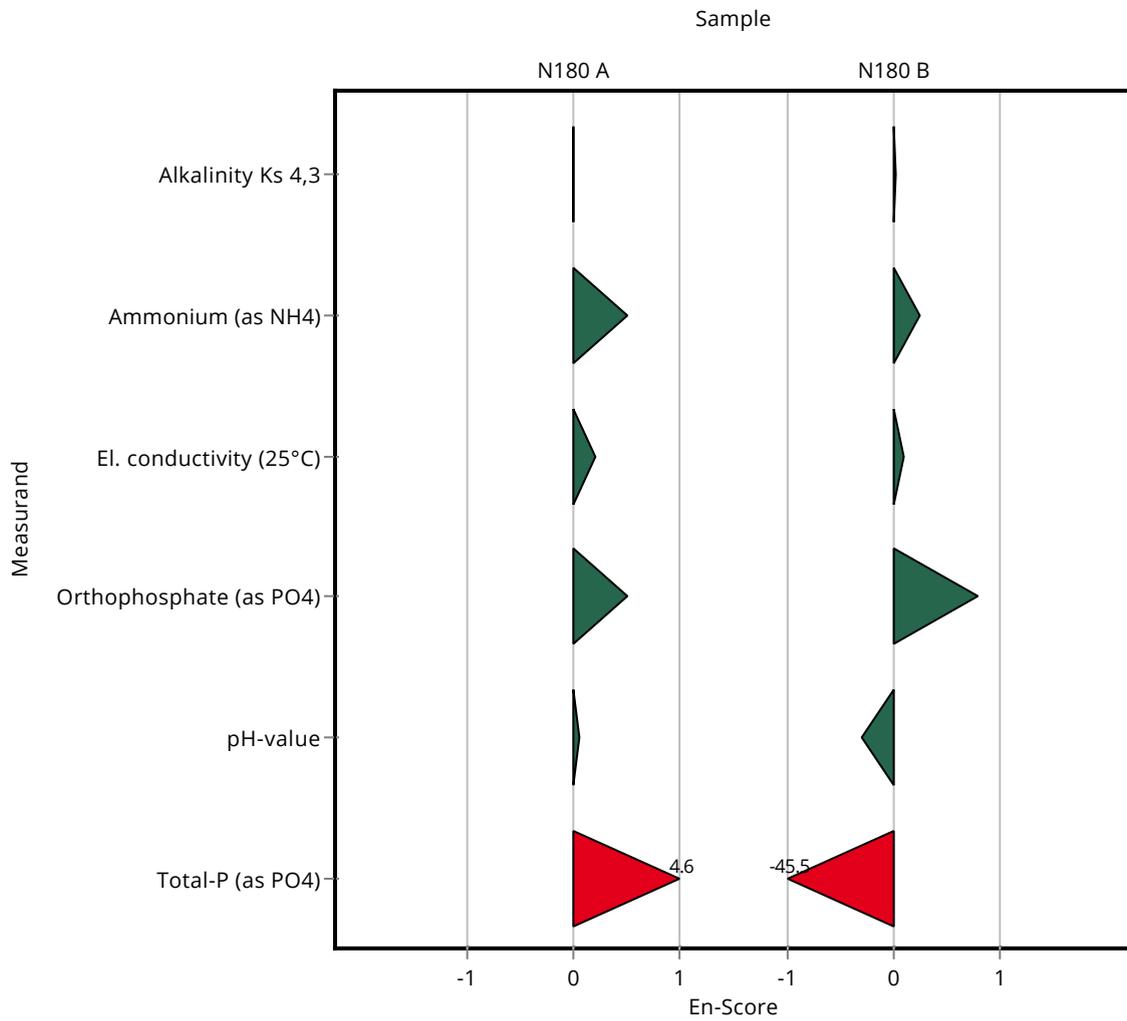
Summary of results Nutrients/Major Ions N180 - En-Score

Labcode: LC0003

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Ammonium (as NH4)	mg/l	0.29 \pm 0.0086	0.3054 \pm 0.0305	0.0348	105	0.25
Boron	mg/l	0.0162 \pm 0.000839	- \pm -	0.00179	-	-
Calcium	mg/l	65.6 \pm 0.729	- \pm -	2.03	-	-
Chloride	mg/l	41.2 \pm 0.375	- \pm -	1.65	-	-
El. conductivity (25°C)	μ S/cm	571 \pm 1.88	573 \pm 11	7.42	100	0.11
Hydrogen carbonate	mg/l	211 \pm 1.2	- \pm -	4.22	-	-
Magnesium	mg/l	15.8 \pm 0.174	- \pm -	0.632	-	-
Nitrate (as NO3)	mg/l	29.5 \pm 0.271	- \pm -	1.48	-	-
Nitrite (as NO2)	mg/l	0.385 \pm 0.00518	- \pm -	0.0204	-	-
Orthophosphate (as PO4)	mg/l	0.411 \pm 0.051	0.5016 \pm 0.0502	0.123	122	0.80
pH-value	-	7.58 \pm 0.0328	7.49 \pm 0.15	0.152	98.8	-0.29
Potassium	mg/l	2.79 \pm 0.0421	- \pm -	0.145	-	-
Sodium	mg/l	24.8 \pm 0.253	- \pm -	0.844	-	-
Sulfate (as SO4)	mg/l	32 \pm 0.308	- \pm -	1.06	-	-
Total-P (as PO4)	mg/l	2.01 \pm 0.0245	0.1618 \pm 0.0162	0.151	8.06	-45.45
Total hardness	mmol/l	2.29 \pm 0.0232	- \pm -	0.0686	-	-
Total nitrogen	mg/l	7.29 \pm 0.23	- \pm -	0.605	-	-

Sample: N180BDOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	2.87 \pm 0.0629	- \pm -	0.287	-	-



Sample: N180A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	7.31 \pm 0.0254	7.34 \pm 0.196	0.146	100	0.20
Ammonium (as NH ₄)	mg/l	0.0867 \pm 0.00322	0.0921 \pm 0.000637	0.0104	106	0.51
Boron	mg/l	0.0592 \pm 0.00162	0.0587 \pm 0.00043	0.00652	99.1	-0.08
Calcium	mg/l	168 \pm 1.9	169 \pm 0.985	5.2	101	0.23
Chloride	mg/l	110 \pm 0.63	113 \pm 5.75	4.41	103	0.64
El. conductivity (25°C)	μ S/cm	1170 \pm 4.33	1177 \pm 0.37	15.3	100	0.20
Hydrogen carbonate	mg/l	445 \pm 1.63	445 \pm 8.9	8.9	100	-0.02
Magnesium	mg/l	39.8 \pm 0.541	39.1 \pm 0.372	1.59	98.3	-0.42
Nitrate (as NO ₃)	mg/l	10.1 \pm 0.0896	10.5 \pm 0.403	0.507	103	0.70
Nitrite (as NO ₂)	mg/l	0.0307 \pm 0.00108	0.0313 \pm 0.000714	0.00307	102	0.21
Orthophosphate (as PO ₄)	mg/l	0.051 \pm 0.00379	0.0486 \pm 0.00308	0.0102	95.2	-0.24
pH-value	-	7.6 \pm 0.0251	7.63 \pm 0.0763	0.152	100	0.17
Potassium	mg/l	2.5 \pm 0.0456	2.56 \pm 0.0156	0.13	103	0.50
Sodium	mg/l	23.3 \pm 0.188	23.1 \pm 0.214	0.791	99.3	-0.20
Sulfate (as SO ₄)	mg/l	106 \pm 0.947	108 \pm 5.1	3.51	101	0.45
Total-P (as PO ₄)	mg/l	0.145 \pm 0.00263	0.146 \pm 0.00309	0.0109	100	0.07
Total hardness	mmol/l	5.84 \pm 0.0648	5.84 \pm 0.029	0.175	100	0.00
Total nitrogen	mg/l	2.49 \pm 0.0962	2.29 \pm 0.029	0.207	91.8	-0.98

Sample: N180ADOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.55 \pm 0.082	1.67 \pm 0.0716	0.186	108	0.63

Sample: N180B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	3.5 \pm 0.0202	3.49 \pm 0.119	0.0699	99.8	-0.08

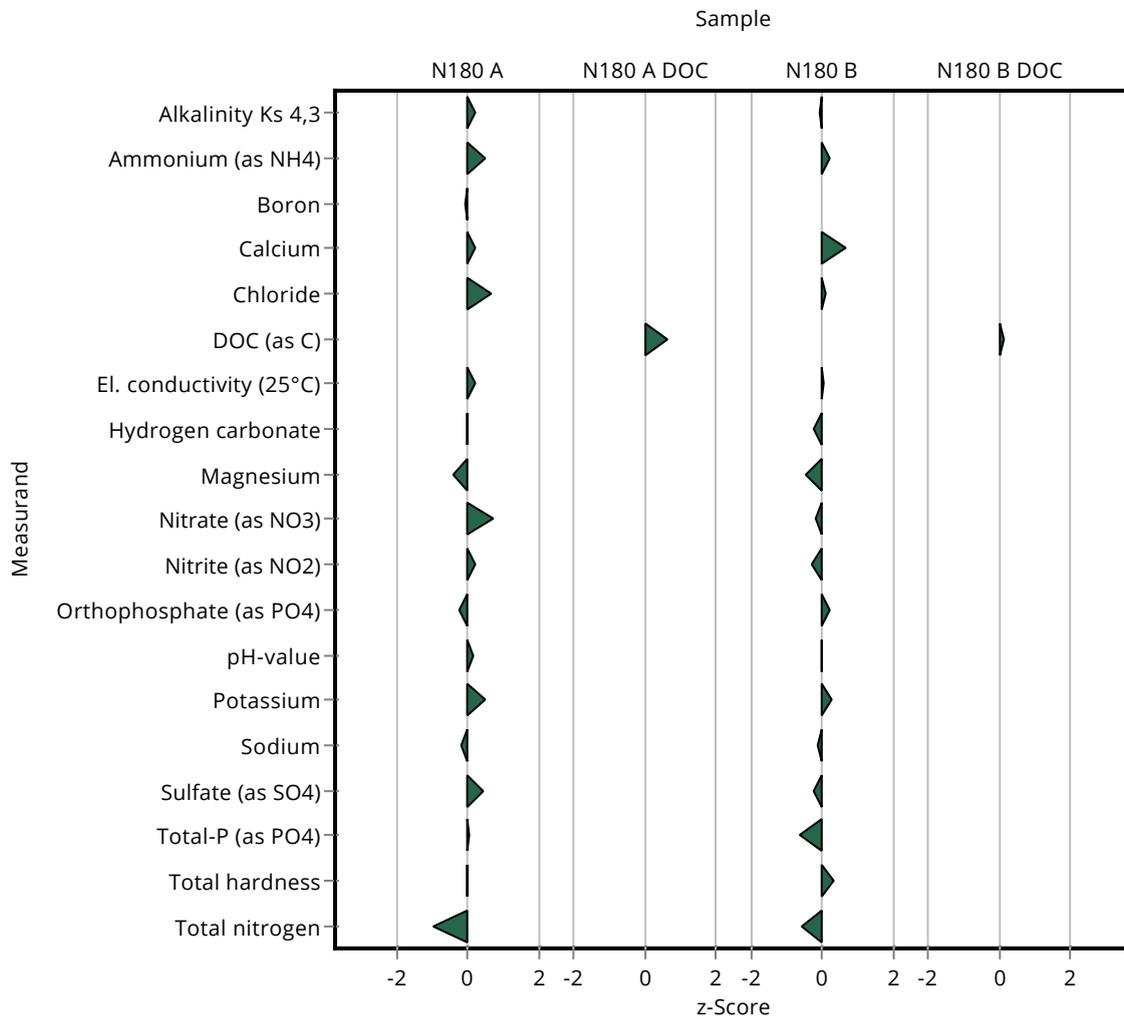
Summary of results Nutrients/Major Ions N180

Labcode: LC0004

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.29 \pm 0.0086	0.297 \pm 0.004	0.0348	102	0.20
Boron	mg/l	0.0162 \pm 0.000839	<0.02 \pm -	0.00179	-	-
Calcium	mg/l	65.6 \pm 0.729	67 \pm 0.206	2.03	102	0.67
Chloride	mg/l	41.2 \pm 0.375	41.3 \pm 1.97	1.65	100	0.08
El. conductivity (25°C)	μ S/cm	571 \pm 1.88	571 \pm 0.23	7.42	100	0.06
Hydrogen carbonate	mg/l	211 \pm 1.2	210 \pm 4.2	4.22	99.5	-0.26
Magnesium	mg/l	15.8 \pm 0.174	15.5 \pm 0.411	0.632	98.1	-0.47
Nitrate (as NO ₃)	mg/l	29.5 \pm 0.271	29.3 \pm 1.68	1.48	99.2	-0.17
Nitrite (as NO ₂)	mg/l	0.385 \pm 0.00518	0.379 \pm 0.00176	0.0204	98.3	-0.32
Orthophosphate (as PO ₄)	mg/l	0.411 \pm 0.051	0.437 \pm 0.00846	0.123	106	0.21
pH-value	-	7.58 \pm 0.0328	7.58 \pm 0.0758	0.152	100	0.01
Potassium	mg/l	2.79 \pm 0.0421	2.83 \pm 0.0159	0.145	101	0.24
Sodium	mg/l	24.8 \pm 0.253	24.7 \pm 0.213	0.844	99.5	-0.15
Sulfate (as SO ₄)	mg/l	32 \pm 0.308	31.8 \pm 1.68	1.06	99.3	-0.22
Total-P (as PO ₄)	mg/l	2.01 \pm 0.0245	1.91 \pm 0.0737	0.151	95.2	-0.65
Total hardness	mmol/l	2.29 \pm 0.0232	2.31 \pm 0.0177	0.0686	101	0.32
Total nitrogen	mg/l	7.29 \pm 0.23	6.93 \pm 0.0375	0.605	95.1	-0.59

Sample: N180BDOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.87 \pm 0.0629	2.91 \pm 0.0694	0.287	101	0.14



Sample: N180A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	7.31 \pm 0.0254	7.34 \pm 0.196	0.146	100	0.08
Ammonium (as NH ₄)	mg/l	0.0867 \pm 0.00322	0.0921 \pm 0.000637	0.0104	106	1.55
Boron	mg/l	0.0592 \pm 0.00162	0.0587 \pm 0.00043	0.00652	99.1	-0.29
Calcium	mg/l	168 \pm 1.9	169 \pm 0.985	5.2	101	0.44
Chloride	mg/l	110 \pm 0.63	113 \pm 5.75	4.41	103	0.24
El. conductivity (25°C)	μ S/cm	1170 \pm 4.33	1177 \pm 0.37	15.3	100	0.69
Hydrogen carbonate	mg/l	445 \pm 1.63	445 \pm 8.9	8.9	100	-0.01
Magnesium	mg/l	39.8 \pm 0.541	39.1 \pm 0.372	1.59	98.3	-0.73
Nitrate (as NO ₃)	mg/l	10.1 \pm 0.0896	10.5 \pm 0.403	0.507	103	0.44
Nitrite (as NO ₂)	mg/l	0.0307 \pm 0.00108	0.0313 \pm 0.000714	0.00307	102	0.35
Orthophosphate (as PO ₄)	mg/l	0.051 \pm 0.00379	0.0486 \pm 0.00308	0.0102	95.2	-0.34
pH-value	-	7.6 \pm 0.0251	7.63 \pm 0.0763	0.152	100	0.17
Potassium	mg/l	2.5 \pm 0.0456	2.56 \pm 0.0156	0.13	103	1.17
Sodium	mg/l	23.3 \pm 0.188	23.1 \pm 0.214	0.791	99.3	-0.34
Sulfate (as SO ₄)	mg/l	106 \pm 0.947	108 \pm 5.1	3.51	101	0.15
Total-P (as PO ₄)	mg/l	0.145 \pm 0.00263	0.146 \pm 0.00309	0.0109	100	0.11
Total hardness	mmol/l	5.84 \pm 0.0648	5.84 \pm 0.029	0.175	100	0.01
Total nitrogen	mg/l	2.49 \pm 0.0962	2.29 \pm 0.029	0.207	91.8	-1.81

Sample: N180ADOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.55 \pm 0.082	1.67 \pm 0.0716	0.186	108	0.71

Sample: N180B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	3.5 \pm 0.0202	3.49 \pm 0.119	0.0699	99.8	-0.02

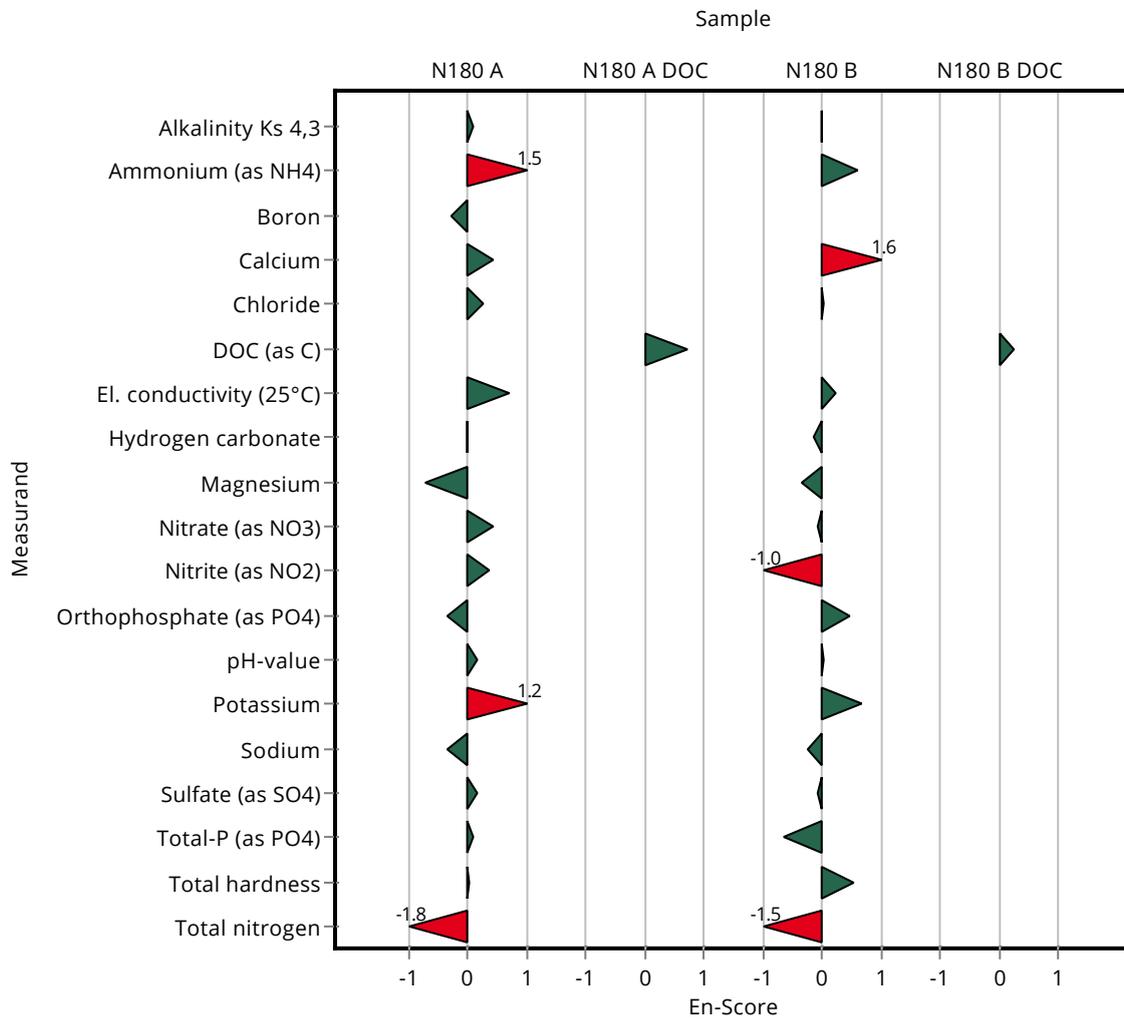
Summary of results Nutrients/Major Ions N180 - En-Score

Labcode: LC0004

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.29 \pm 0.0086	0.297 \pm 0.004	0.0348	102	0.60
Boron	mg/l	0.0162 \pm 0.000839	<0.02 \pm -	0.00179	-	-
Calcium	mg/l	65.6 \pm 0.729	67 \pm 0.206	2.03	102	1.63
Chloride	mg/l	41.2 \pm 0.375	41.3 \pm 1.97	1.65	100	0.04
El. conductivity (25°C)	μ S/cm	571 \pm 1.88	571 \pm 0.23	7.42	100	0.22
Hydrogen carbonate	mg/l	211 \pm 1.2	210 \pm 4.2	4.22	99.5	-0.13
Magnesium	mg/l	15.8 \pm 0.174	15.5 \pm 0.411	0.632	98.1	-0.35
Nitrate (as NO ₃)	mg/l	29.5 \pm 0.271	29.3 \pm 1.68	1.48	99.2	-0.07
Nitrite (as NO ₂)	mg/l	0.385 \pm 0.00518	0.379 \pm 0.00176	0.0204	98.3	-1.03
Orthophosphate (as PO ₄)	mg/l	0.411 \pm 0.051	0.437 \pm 0.00846	0.123	106	0.48
pH-value	-	7.58 \pm 0.0328	7.58 \pm 0.0758	0.152	100	0.01
Potassium	mg/l	2.79 \pm 0.0421	2.83 \pm 0.0159	0.145	101	0.67
Sodium	mg/l	24.8 \pm 0.253	24.7 \pm 0.213	0.844	99.5	-0.26
Sulfate (as SO ₄)	mg/l	32 \pm 0.308	31.8 \pm 1.68	1.06	99.3	-0.07
Total-P (as PO ₄)	mg/l	2.01 \pm 0.0245	1.91 \pm 0.0737	0.151	95.2	-0.65
Total hardness	mmol/l	2.29 \pm 0.0232	2.31 \pm 0.0177	0.0686	101	0.52
Total nitrogen	mg/l	7.29 \pm 0.23	6.93 \pm 0.0375	0.605	95.1	-1.48

Sample: N180BDOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	2.87 \pm 0.0629	2.91 \pm 0.0694	0.287	101	0.26



Sample: N180A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	7.31 \pm 0.0254	7.33 \pm 0.95	0.146	100	0.14
Ammonium (as NH4)	mg/l	0.0867 \pm 0.00322	- \pm -	0.0104	-	-
Boron	mg/l	0.0592 \pm 0.00162	- \pm -	0.00652	-	-
Calcium	mg/l	168 \pm 1.9	- \pm -	5.2	-	-
Chloride	mg/l	110 \pm 0.63	- \pm -	4.41	-	-
El. conductivity (25°C)	μ S/cm	1170 \pm 4.33	- \pm -	15.3	-	-
Hydrogen carbonate	mg/l	445 \pm 1.63	- \pm -	8.9	-	-
Magnesium	mg/l	39.8 \pm 0.541	- \pm -	1.59	-	-
Nitrate (as NO3)	mg/l	10.1 \pm 0.0896	- \pm -	0.507	-	-
Nitrite (as NO2)	mg/l	0.0307 \pm 0.00108	- \pm -	0.00307	-	-
Orthophosphate (as PO4)	mg/l	0.051 \pm 0.00379	0.0613 \pm 0.006	0.0102	120	1.01
pH-value	-	7.6 \pm 0.0251	- \pm -	0.152	-	-
Potassium	mg/l	2.5 \pm 0.0456	- \pm -	0.13	-	-
Sodium	mg/l	23.3 \pm 0.188	- \pm -	0.791	-	-
Sulfate (as SO4)	mg/l	106 \pm 0.947	- \pm -	3.51	-	-
Total-P (as PO4)	mg/l	0.145 \pm 0.00263	0.143 \pm 0.014	0.0109	98.4	-0.21
Total hardness	mmol/l	5.84 \pm 0.0648	- \pm -	0.175	-	-
Total nitrogen	mg/l	2.49 \pm 0.0962	- \pm -	0.207	-	-

Sample: N180ADOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.55 \pm 0.082	- \pm -	0.186	-	-

Sample: N180B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	3.5 \pm 0.0202	3.57 \pm 0.46	0.0699	102	1.07

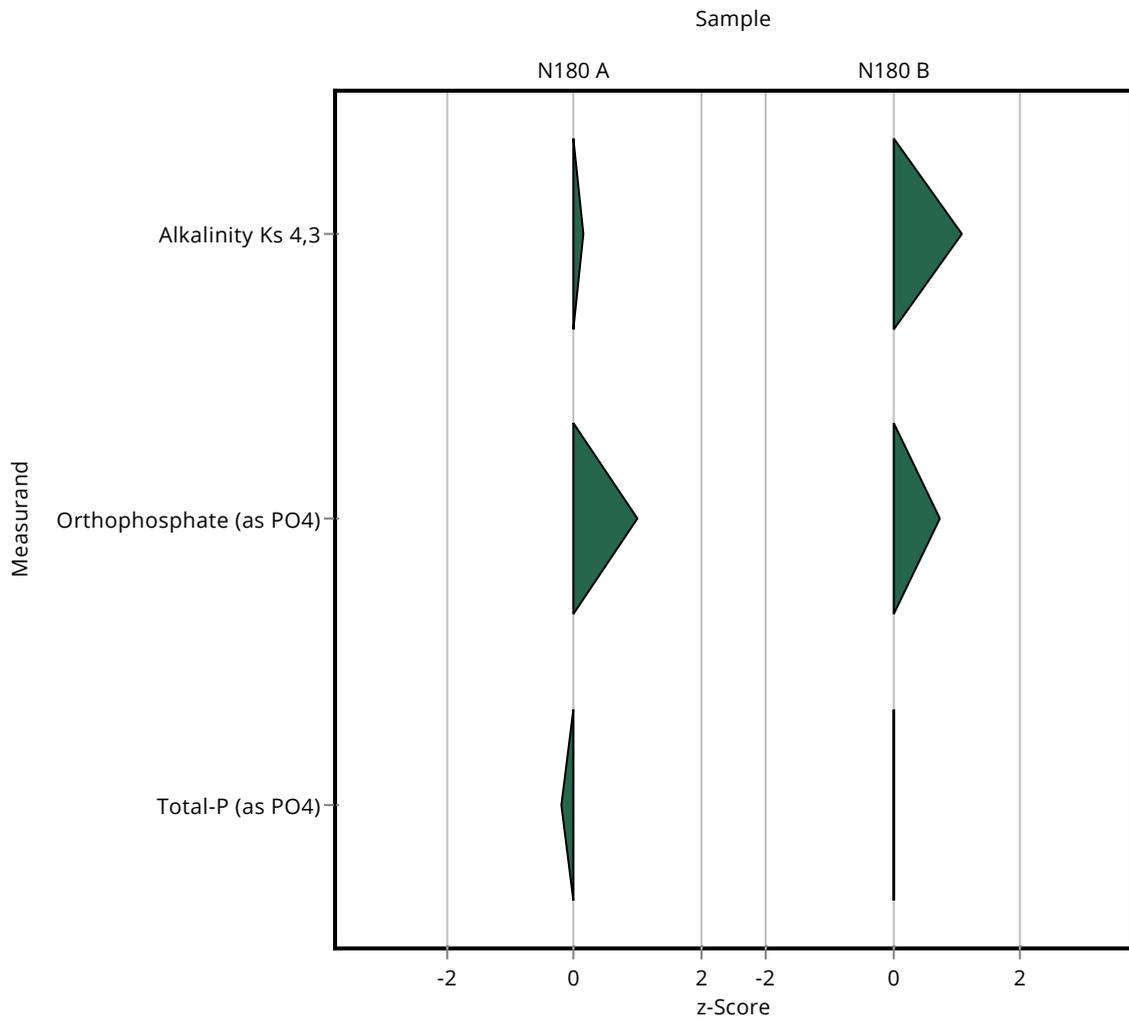
Summary of results Nutrients/Major Ions N180

Labcode: LC0005

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.29 \pm 0.0086	- \pm -	0.0348	-	-
Boron	mg/l	0.0162 \pm 0.000839	- \pm -	0.00179	-	-
Calcium	mg/l	65.6 \pm 0.729	- \pm -	2.03	-	-
Chloride	mg/l	41.2 \pm 0.375	- \pm -	1.65	-	-
El. conductivity (25°C)	μ S/cm	571 \pm 1.88	- \pm -	7.42	-	-
Hydrogen carbonate	mg/l	211 \pm 1.2	- \pm -	4.22	-	-
Magnesium	mg/l	15.8 \pm 0.174	- \pm -	0.632	-	-
Nitrate (as NO ₃)	mg/l	29.5 \pm 0.271	- \pm -	1.48	-	-
Nitrite (as NO ₂)	mg/l	0.385 \pm 0.00518	- \pm -	0.0204	-	-
Orthophosphate (as PO ₄)	mg/l	0.411 \pm 0.051	0.5 \pm 0.05	0.123	122	0.72
pH-value	-	7.58 \pm 0.0328	- \pm -	0.152	-	-
Potassium	mg/l	2.79 \pm 0.0421	- \pm -	0.145	-	-
Sodium	mg/l	24.8 \pm 0.253	- \pm -	0.844	-	-
Sulfate (as SO ₄)	mg/l	32 \pm 0.308	- \pm -	1.06	-	-
Total-P (as PO ₄)	mg/l	2.01 \pm 0.0245	2.01 \pm 0.201	0.151	100	0.02
Total hardness	mmol/l	2.29 \pm 0.0232	- \pm -	0.0686	-	-
Total nitrogen	mg/l	7.29 \pm 0.23	- \pm -	0.605	-	-

Sample: N180BDOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.87 \pm 0.0629	- \pm -	0.287	-	-



Sample: N180A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	7.31 \pm 0.0254	7.33 \pm 0.95	0.146	100	0.01
Ammonium (as NH ₄)	mg/l	0.0867 \pm 0.00322	- \pm -	0.0104	-	-
Boron	mg/l	0.0592 \pm 0.00162	- \pm -	0.00652	-	-
Calcium	mg/l	168 \pm 1.9	- \pm -	5.2	-	-
Chloride	mg/l	110 \pm 0.63	- \pm -	4.41	-	-
El. conductivity (25°C)	μ S/cm	1170 \pm 4.33	- \pm -	15.3	-	-
Hydrogen carbonate	mg/l	445 \pm 1.63	- \pm -	8.9	-	-
Magnesium	mg/l	39.8 \pm 0.541	- \pm -	1.59	-	-
Nitrate (as NO ₃)	mg/l	10.1 \pm 0.0896	- \pm -	0.507	-	-
Nitrite (as NO ₂)	mg/l	0.0307 \pm 0.00108	- \pm -	0.00307	-	-
Orthophosphate (as PO ₄)	mg/l	0.051 \pm 0.00379	0.0613 \pm 0.006	0.0102	120	0.82
pH-value	-	7.6 \pm 0.0251	- \pm -	0.152	-	-
Potassium	mg/l	2.5 \pm 0.0456	- \pm -	0.13	-	-
Sodium	mg/l	23.3 \pm 0.188	- \pm -	0.791	-	-
Sulfate (as SO ₄)	mg/l	106 \pm 0.947	- \pm -	3.51	-	-
Total-P (as PO ₄)	mg/l	0.145 \pm 0.00263	0.143 \pm 0.014	0.0109	98.4	-0.08
Total hardness	mmol/l	5.84 \pm 0.0648	- \pm -	0.175	-	-
Total nitrogen	mg/l	2.49 \pm 0.0962	- \pm -	0.207	-	-

Sample: N180ADOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.55 \pm 0.082	- \pm -	0.186	-	-

Sample: N180B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	3.5 \pm 0.0202	3.57 \pm 0.46	0.0699	102	0.08

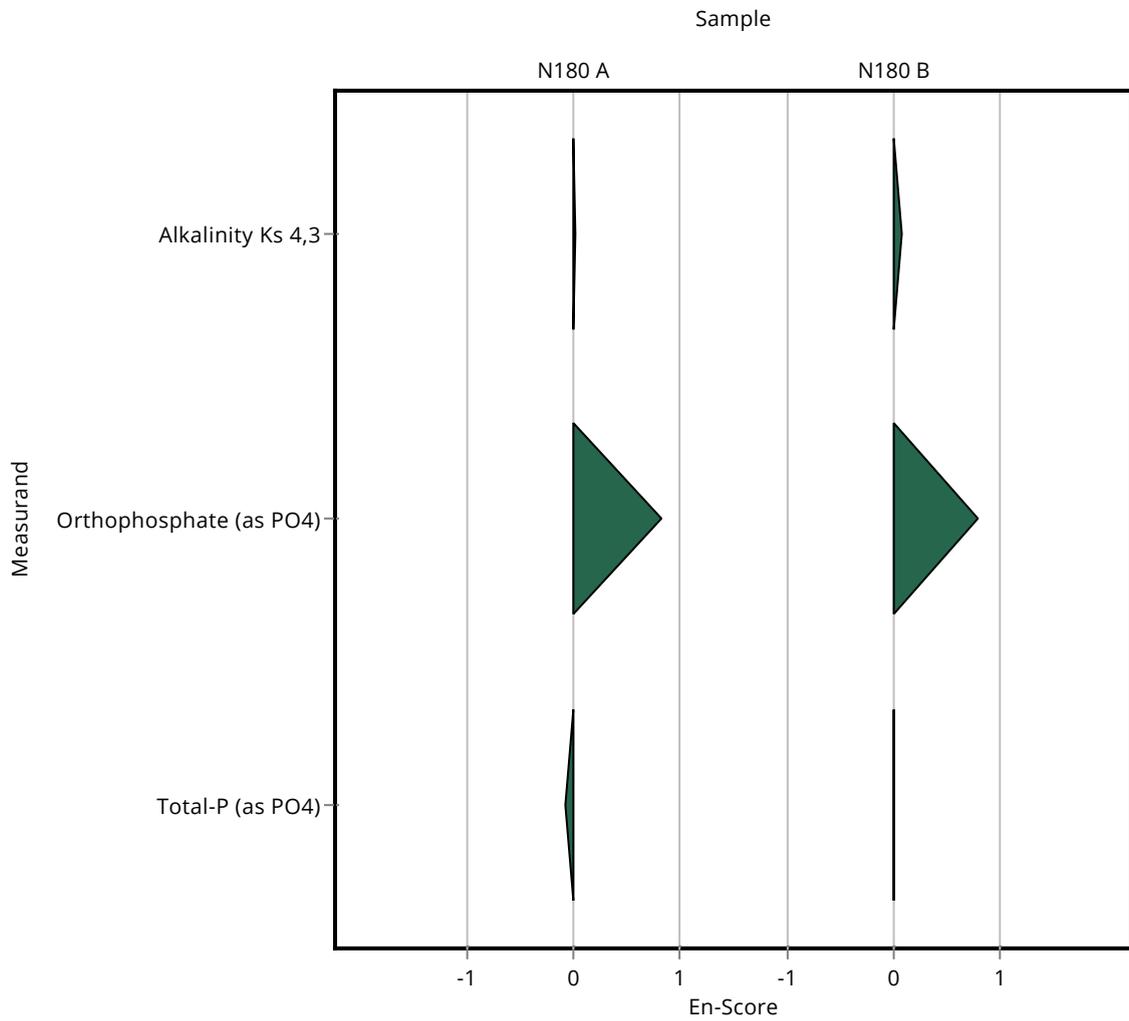
Summary of results Nutrients/Major Ions N180 - En-Score

Labcode: LC0005

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.29 \pm 0.0086	- \pm -	0.0348	-	-
Boron	mg/l	0.0162 \pm 0.000839	- \pm -	0.00179	-	-
Calcium	mg/l	65.6 \pm 0.729	- \pm -	2.03	-	-
Chloride	mg/l	41.2 \pm 0.375	- \pm -	1.65	-	-
El. conductivity (25°C)	μ S/cm	571 \pm 1.88	- \pm -	7.42	-	-
Hydrogen carbonate	mg/l	211 \pm 1.2	- \pm -	4.22	-	-
Magnesium	mg/l	15.8 \pm 0.174	- \pm -	0.632	-	-
Nitrate (as NO ₃)	mg/l	29.5 \pm 0.271	- \pm -	1.48	-	-
Nitrite (as NO ₂)	mg/l	0.385 \pm 0.00518	- \pm -	0.0204	-	-
Orthophosphate (as PO ₄)	mg/l	0.411 \pm 0.051	0.5 \pm 0.05	0.123	122	0.79
pH-value	-	7.58 \pm 0.0328	- \pm -	0.152	-	-
Potassium	mg/l	2.79 \pm 0.0421	- \pm -	0.145	-	-
Sodium	mg/l	24.8 \pm 0.253	- \pm -	0.844	-	-
Sulfate (as SO ₄)	mg/l	32 \pm 0.308	- \pm -	1.06	-	-
Total-P (as PO ₄)	mg/l	2.01 \pm 0.0245	2.01 \pm 0.201	0.151	100	0.01
Total hardness	mmol/l	2.29 \pm 0.0232	- \pm -	0.0686	-	-
Total nitrogen	mg/l	7.29 \pm 0.23	- \pm -	0.605	-	-

Sample: N180BDOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	2.87 \pm 0.0629	- \pm -	0.287	-	-



Sample: N180A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	7.31 \pm 0.0254	6.82 \pm 0.2	0.146	93.3	-3.35
Ammonium (as NH ₄)	mg/l	0.0867 \pm 0.00322	- \pm -	0.0104	-	-
Boron	mg/l	0.0592 \pm 0.00162	- \pm -	0.00652	-	-
Calcium	mg/l	168 \pm 1.9	164.2 \pm 7.4	5.2	97.9	-0.69
Chloride	mg/l	110 \pm 0.63	109.8 \pm 9.1	4.41	99.6	-0.09
El. conductivity (25°C)	μ S/cm	1170 \pm 4.33	1179 \pm 35	15.3	100	0.33
Hydrogen carbonate	mg/l	445 \pm 1.63	416.1 \pm 8.3	8.9	93.5	-3.27
Magnesium	mg/l	39.8 \pm 0.541	39.1 \pm 1.2	1.59	98.3	-0.42
Nitrate (as NO ₃)	mg/l	10.1 \pm 0.0896	10.3 \pm 0.47	0.507	102	0.31
Nitrite (as NO ₂)	mg/l	0.0307 \pm 0.00108	- \pm -	0.00307	-	-
Orthophosphate (as PO ₄)	mg/l	0.051 \pm 0.00379	0.047 \pm 0.004	0.0102	92.1	-0.40
pH-value	-	7.6 \pm 0.0251	7.57 \pm 0.1	0.152	99.6	-0.22
Potassium	mg/l	2.5 \pm 0.0456	2.4 \pm 0.15	0.13	96.2	-0.73
Sodium	mg/l	23.3 \pm 0.188	23 \pm 3.2	0.791	98.9	-0.33
Sulfate (as SO ₄)	mg/l	106 \pm 0.947	106.2 \pm 7.4	3.51	99.8	-0.07
Total-P (as PO ₄)	mg/l	0.145 \pm 0.00263	- \pm -	0.0109	-	-
Total hardness	mmol/l	5.84 \pm 0.0648	5.72 \pm 0.22	0.175	98	-0.68
Total nitrogen	mg/l	2.49 \pm 0.0962	- \pm -	0.207	-	-

Sample: N180ADOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.55 \pm 0.082	- \pm -	0.186	-	-

Sample: N180B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	3.5 \pm 0.0202	2.95 \pm 0.2	0.0699	84.4	-7.80

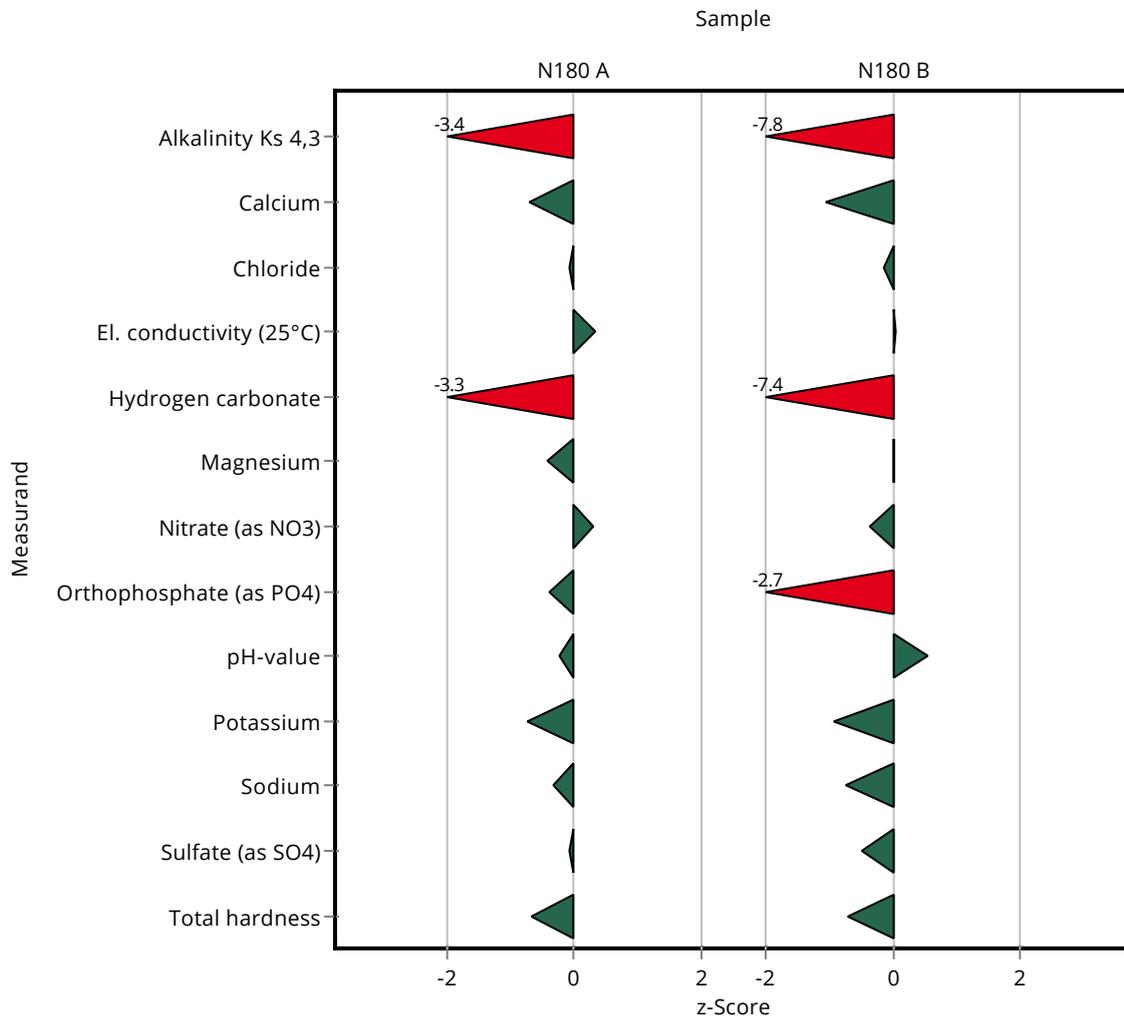
Summary of results Nutrients/Major Ions N180

Labcode: LC0006

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.29 \pm 0.0086	- \pm -	0.0348	-	-
Boron	mg/l	0.0162 \pm 0.000839	- \pm -	0.00179	-	-
Calcium	mg/l	65.6 \pm 0.729	63.5 \pm 2.9	2.03	96.7	-1.05
Chloride	mg/l	41.2 \pm 0.375	40.9 \pm 3.4	1.65	99.4	-0.16
El. conductivity (25°C)	μ S/cm	571 \pm 1.88	571 \pm 17.1	7.42	100	0.06
Hydrogen carbonate	mg/l	211 \pm 1.2	180 \pm 3.6	4.22	85.3	-7.37
Magnesium	mg/l	15.8 \pm 0.174	15.8 \pm 0.49	0.632	100	0.00
Nitrate (as NO ₃)	mg/l	29.5 \pm 0.271	29 \pm 1.3	1.48	98.2	-0.37
Nitrite (as NO ₂)	mg/l	0.385 \pm 0.00518	- \pm -	0.0204	-	-
Orthophosphate (as PO ₄)	mg/l	0.411 \pm 0.051	0.073 \pm 0.006	0.123	17.8	-2.74
pH-value	-	7.58 \pm 0.0328	7.66 \pm 0.1	0.152	101	0.54
Potassium	mg/l	2.79 \pm 0.0421	2.66 \pm 0.17	0.145	95.2	-0.93
Sodium	mg/l	24.8 \pm 0.253	24.2 \pm 3.4	0.844	97.5	-0.75
Sulfate (as SO ₄)	mg/l	32 \pm 0.308	31.5 \pm 2.2	1.06	98.3	-0.51
Total-P (as PO ₄)	mg/l	2.01 \pm 0.0245	- \pm -	0.151	-	-
Total hardness	mmol/l	2.29 \pm 0.0232	2.24 \pm 0.09	0.0686	97.9	-0.70
Total nitrogen	mg/l	7.29 \pm 0.23	- \pm -	0.605	-	-

Sample: N180BDOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.87 \pm 0.0629	- \pm -	0.287	-	-



Sample: N180A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	7.31 \pm 0.0254	6.82 \pm 0.2	0.146	93.3	-1.22
Ammonium (as NH ₄)	mg/l	0.0867 \pm 0.00322	- \pm -	0.0104	-	-
Boron	mg/l	0.0592 \pm 0.00162	- \pm -	0.00652	-	-
Calcium	mg/l	168 \pm 1.9	164.2 \pm 7.4	5.2	97.9	-0.24
Chloride	mg/l	110 \pm 0.63	109.8 \pm 9.1	4.41	99.6	-0.02
El. conductivity (25°C)	μ S/cm	1170 \pm 4.33	1179 \pm 35	15.3	100	0.07
Hydrogen carbonate	mg/l	445 \pm 1.63	416.1 \pm 8.3	8.9	93.5	-1.74
Magnesium	mg/l	39.8 \pm 0.541	39.1 \pm 1.2	1.59	98.3	-0.27
Nitrate (as NO ₃)	mg/l	10.1 \pm 0.0896	10.3 \pm 0.47	0.507	102	0.16
Nitrite (as NO ₂)	mg/l	0.0307 \pm 0.00108	- \pm -	0.00307	-	-
Orthophosphate (as PO ₄)	mg/l	0.051 \pm 0.00379	0.047 \pm 0.004	0.0102	92.1	-0.46
pH-value	-	7.6 \pm 0.0251	7.57 \pm 0.1	0.152	99.6	-0.17
Potassium	mg/l	2.5 \pm 0.0456	2.4 \pm 0.15	0.13	96.2	-0.31
Sodium	mg/l	23.3 \pm 0.188	23 \pm 3.2	0.791	98.9	-0.04
Sulfate (as SO ₄)	mg/l	106 \pm 0.947	106.2 \pm 7.4	3.51	99.8	-0.02
Total-P (as PO ₄)	mg/l	0.145 \pm 0.00263	- \pm -	0.0109	-	-
Total hardness	mmol/l	5.84 \pm 0.0648	5.72 \pm 0.22	0.175	98	-0.27
Total nitrogen	mg/l	2.49 \pm 0.0962	- \pm -	0.207	-	-

Sample: N180ADOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.55 \pm 0.082	- \pm -	0.186	-	-

Sample: N180B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	3.5 \pm 0.0202	2.95 \pm 0.2	0.0699	84.4	-1.36

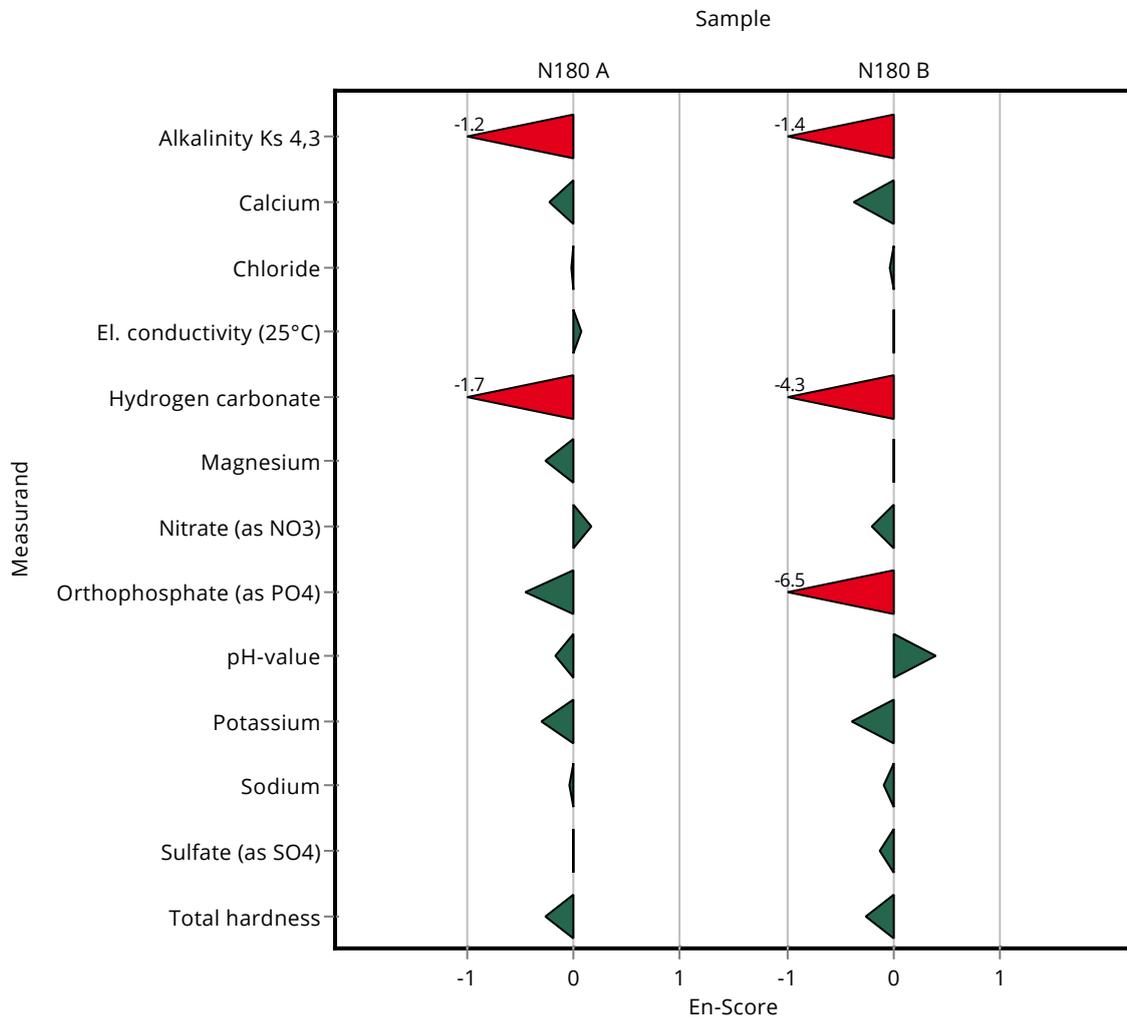
Summary of results Nutrients/Major Ions N180 - En-Score

Labcode: LC0006

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.29 \pm 0.0086	- \pm -	0.0348	-	-
Boron	mg/l	0.0162 \pm 0.000839	- \pm -	0.00179	-	-
Calcium	mg/l	65.6 \pm 0.729	63.5 \pm 2.9	2.03	96.7	-0.37
Chloride	mg/l	41.2 \pm 0.375	40.9 \pm 3.4	1.65	99.4	-0.04
El. conductivity (25°C)	μ S/cm	571 \pm 1.88	571 \pm 17.1	7.42	100	0.01
Hydrogen carbonate	mg/l	211 \pm 1.2	180 \pm 3.6	4.22	85.3	-4.26
Magnesium	mg/l	15.8 \pm 0.174	15.8 \pm 0.49	0.632	100	0.00
Nitrate (as NO ₃)	mg/l	29.5 \pm 0.271	29 \pm 1.3	1.48	98.2	-0.21
Nitrite (as NO ₂)	mg/l	0.385 \pm 0.00518	- \pm -	0.0204	-	-
Orthophosphate (as PO ₄)	mg/l	0.411 \pm 0.051	0.073 \pm 0.006	0.123	17.8	-6.46
pH-value	-	7.58 \pm 0.0328	7.66 \pm 0.1	0.152	101	0.41
Potassium	mg/l	2.79 \pm 0.0421	2.66 \pm 0.17	0.145	95.2	-0.39
Sodium	mg/l	24.8 \pm 0.253	24.2 \pm 3.4	0.844	97.5	-0.09
Sulfate (as SO ₄)	mg/l	32 \pm 0.308	31.5 \pm 2.2	1.06	98.3	-0.12
Total-P (as PO ₄)	mg/l	2.01 \pm 0.0245	- \pm -	0.151	-	-
Total hardness	mmol/l	2.29 \pm 0.0232	2.24 \pm 0.09	0.0686	97.9	-0.26
Total nitrogen	mg/l	7.29 \pm 0.23	- \pm -	0.605	-	-

Sample: N180BDOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	2.87 \pm 0.0629	- \pm -	0.287	-	-



Sample: N180A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	7.31 \pm 0.0254	- \pm -	0.146	-	-
Ammonium (as NH ₄)	mg/l	0.0867 \pm 0.00322	- \pm -	0.0104	-	-
Boron	mg/l	0.0592 \pm 0.00162	- \pm -	0.00652	-	-
Calcium	mg/l	168 \pm 1.9	- \pm -	5.2	-	-
Chloride	mg/l	110 \pm 0.63	110.2 \pm 16.5	4.41	100	0.00
El. conductivity (25°C)	μ S/cm	1170 \pm 4.33	- \pm -	15.3	-	-
Hydrogen carbonate	mg/l	445 \pm 1.63	- \pm -	8.9	-	-
Magnesium	mg/l	39.8 \pm 0.541	- \pm -	1.59	-	-
Nitrate (as NO ₃)	mg/l	10.1 \pm 0.0896	- \pm -	0.507	-	-
Nitrite (as NO ₂)	mg/l	0.0307 \pm 0.00108	- \pm -	0.00307	-	-
Orthophosphate (as PO ₄)	mg/l	0.051 \pm 0.00379	0.0524 \pm 0.01048	0.0102	103	0.13
pH-value	-	7.6 \pm 0.0251	- \pm -	0.152	-	-
Potassium	mg/l	2.5 \pm 0.0456	- \pm -	0.13	-	-
Sodium	mg/l	23.3 \pm 0.188	- \pm -	0.791	-	-
Sulfate (as SO ₄)	mg/l	106 \pm 0.947	91.2 \pm 13.7	3.51	85.7	-4.34
Total-P (as PO ₄)	mg/l	0.145 \pm 0.00263	0.146 \pm 0.0218	0.0109	100	0.07
Total hardness	mmol/l	5.84 \pm 0.0648	- \pm -	0.175	-	-
Total nitrogen	mg/l	2.49 \pm 0.0962	2.93 \pm 1.32	0.207	117	2.11

Sample: N180ADOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.55 \pm 0.082	1.42 \pm 0.569	0.186	91.5	-0.71

Sample: N180B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	3.5 \pm 0.0202	- \pm -	0.0699	-	-

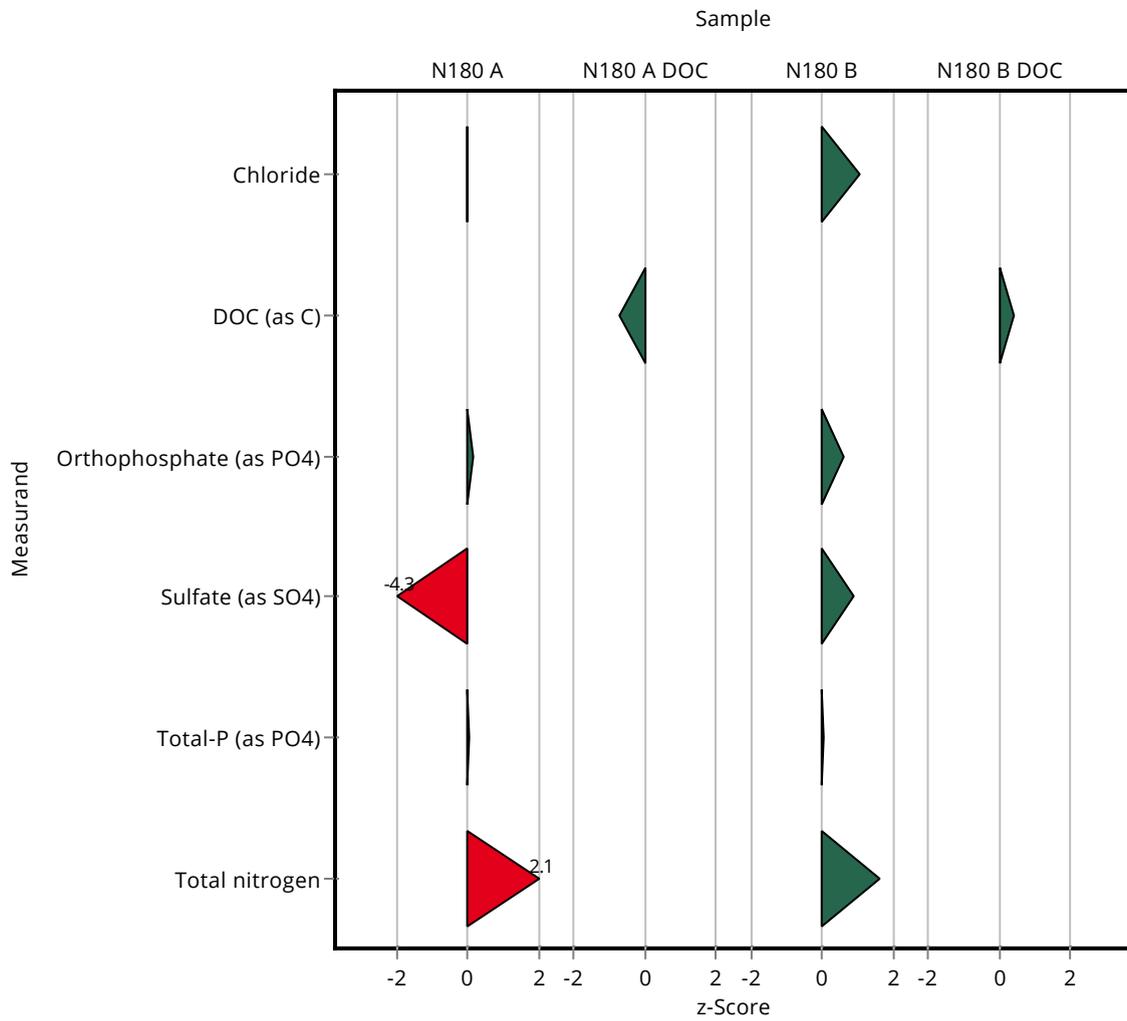
Summary of results Nutrients/Major Ions N180

Labcode: LC0007

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.29 \pm 0.0086	- \pm -	0.0348	-	-
Boron	mg/l	0.0162 \pm 0.000839	- \pm -	0.00179	-	-
Calcium	mg/l	65.6 \pm 0.729	- \pm -	2.03	-	-
Chloride	mg/l	41.2 \pm 0.375	42.9 \pm 6.44	1.65	104	1.06
El. conductivity (25°C)	μ S/cm	571 \pm 1.88	- \pm -	7.42	-	-
Hydrogen carbonate	mg/l	211 \pm 1.2	- \pm -	4.22	-	-
Magnesium	mg/l	15.8 \pm 0.174	- \pm -	0.632	-	-
Nitrate (as NO ₃)	mg/l	29.5 \pm 0.271	- \pm -	1.48	-	-
Nitrite (as NO ₂)	mg/l	0.385 \pm 0.00518	- \pm -	0.0204	-	-
Orthophosphate (as PO ₄)	mg/l	0.411 \pm 0.051	0.48477 \pm 0.09695	0.123	118	0.60
pH-value	-	7.58 \pm 0.0328	- \pm -	0.152	-	-
Potassium	mg/l	2.79 \pm 0.0421	- \pm -	0.145	-	-
Sodium	mg/l	24.8 \pm 0.253	- \pm -	0.844	-	-
Sulfate (as SO ₄)	mg/l	32 \pm 0.308	33 \pm 4.95	1.06	103	0.91
Total-P (as PO ₄)	mg/l	2.01 \pm 0.0245	2.01 \pm 0.3013	0.151	100	0.02
Total hardness	mmol/l	2.29 \pm 0.0232	- \pm -	0.0686	-	-
Total nitrogen	mg/l	7.29 \pm 0.23	8.26 \pm 3.72	0.605	113	1.60

Sample: N180BDOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.87 \pm 0.0629	2.99 \pm 1.195	0.287	104	0.42



Sample: N180A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	7.31 \pm 0.0254	- \pm -	0.146	-	-
Ammonium (as NH ₄)	mg/l	0.0867 \pm 0.00322	- \pm -	0.0104	-	-
Boron	mg/l	0.0592 \pm 0.00162	- \pm -	0.00652	-	-
Calcium	mg/l	168 \pm 1.9	- \pm -	5.2	-	-
Chloride	mg/l	110 \pm 0.63	110.2 \pm 16.5	4.41	100	0.00
El. conductivity (25°C)	μ S/cm	1170 \pm 4.33	- \pm -	15.3	-	-
Hydrogen carbonate	mg/l	445 \pm 1.63	- \pm -	8.9	-	-
Magnesium	mg/l	39.8 \pm 0.541	- \pm -	1.59	-	-
Nitrate (as NO ₃)	mg/l	10.1 \pm 0.0896	- \pm -	0.507	-	-
Nitrite (as NO ₂)	mg/l	0.0307 \pm 0.00108	- \pm -	0.00307	-	-
Orthophosphate (as PO ₄)	mg/l	0.051 \pm 0.00379	0.0524 \pm 0.01048	0.0102	103	0.06
pH-value	-	7.6 \pm 0.0251	- \pm -	0.152	-	-
Potassium	mg/l	2.5 \pm 0.0456	- \pm -	0.13	-	-
Sodium	mg/l	23.3 \pm 0.188	- \pm -	0.791	-	-
Sulfate (as SO ₄)	mg/l	106 \pm 0.947	91.2 \pm 13.7	3.51	85.7	-0.56
Total-P (as PO ₄)	mg/l	0.145 \pm 0.00263	0.146 \pm 0.0218	0.0109	100	0.02
Total hardness	mmol/l	5.84 \pm 0.0648	- \pm -	0.175	-	-
Total nitrogen	mg/l	2.49 \pm 0.0962	2.93 \pm 1.32	0.207	117	0.17

Sample: N180ADOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.55 \pm 0.082	1.42 \pm 0.569	0.186	91.5	-0.12

Sample: N180B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	3.5 \pm 0.0202	- \pm -	0.0699	-	-

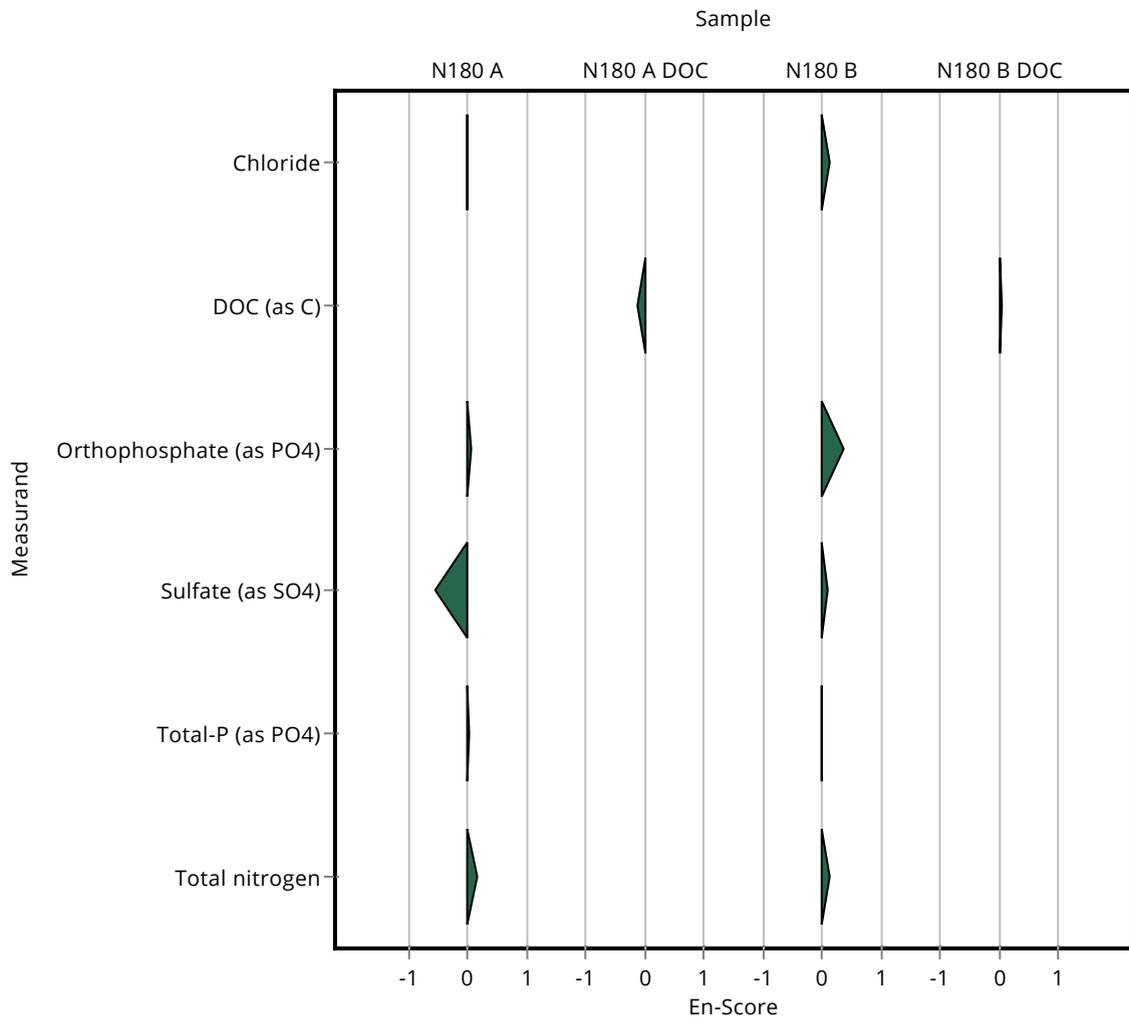
Summary of results Nutrients/Major Ions N180 - En-Score

Labcode: LC0007

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.29 \pm 0.0086	- \pm -	0.0348	-	-
Boron	mg/l	0.0162 \pm 0.000839	- \pm -	0.00179	-	-
Calcium	mg/l	65.6 \pm 0.729	- \pm -	2.03	-	-
Chloride	mg/l	41.2 \pm 0.375	42.9 \pm 6.44	1.65	104	0.14
El. conductivity (25°C)	μ S/cm	571 \pm 1.88	- \pm -	7.42	-	-
Hydrogen carbonate	mg/l	211 \pm 1.2	- \pm -	4.22	-	-
Magnesium	mg/l	15.8 \pm 0.174	- \pm -	0.632	-	-
Nitrate (as NO ₃)	mg/l	29.5 \pm 0.271	- \pm -	1.48	-	-
Nitrite (as NO ₂)	mg/l	0.385 \pm 0.00518	- \pm -	0.0204	-	-
Orthophosphate (as PO ₄)	mg/l	0.411 \pm 0.051	0.48477 \pm 0.09695	0.123	118	0.37
pH-value	-	7.58 \pm 0.0328	- \pm -	0.152	-	-
Potassium	mg/l	2.79 \pm 0.0421	- \pm -	0.145	-	-
Sodium	mg/l	24.8 \pm 0.253	- \pm -	0.844	-	-
Sulfate (as SO ₄)	mg/l	32 \pm 0.308	33 \pm 4.95	1.06	103	0.10
Total-P (as PO ₄)	mg/l	2.01 \pm 0.0245	2.01 \pm 0.3013	0.151	100	0.00
Total hardness	mmol/l	2.29 \pm 0.0232	- \pm -	0.0686	-	-
Total nitrogen	mg/l	7.29 \pm 0.23	8.26 \pm 3.72	0.605	113	0.13

Sample: N180BDOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	2.87 \pm 0.0629	2.99 \pm 1.195	0.287	104	0.05



Sample: N180A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	7.31 \pm 0.0254	7.32 \pm 0.01	0.146	100	0.07
Ammonium (as NH ₄)	mg/l	0.0867 \pm 0.00322	0.069 \pm 0.00414	0.0104	79.5	-1.70
Boron	mg/l	0.0592 \pm 0.00162	- \pm -	0.00652	-	-
Calcium	mg/l	168 \pm 1.9	166.14 \pm 2.65824	5.2	99	-0.32
Chloride	mg/l	110 \pm 0.63	108.89 \pm 6.5334	4.41	98.8	-0.29
El. conductivity (25°C)	μ S/cm	1170 \pm 4.33	1188 \pm 29.7	15.3	101	0.92
Hydrogen carbonate	mg/l	445 \pm 1.63	446.3 \pm 8.926	8.9	100	0.12
Magnesium	mg/l	39.8 \pm 0.541	39.02 \pm 0.74138	1.59	98.1	-0.47
Nitrate (as NO ₃)	mg/l	10.1 \pm 0.0896	10.04 \pm 0.502	0.507	99	-0.21
Nitrite (as NO ₂)	mg/l	0.0307 \pm 0.00108	0.031 \pm 0.0031	0.00307	101	0.11
Orthophosphate (as PO ₄)	mg/l	0.051 \pm 0.00379	0.036792 \pm 0.004415	0.0102	72.1	-1.40
pH-value	-	7.6 \pm 0.0251	7.6 \pm 0.25	0.152	99.9	-0.03
Potassium	mg/l	2.5 \pm 0.0456	2.54 \pm 0.14986	0.13	102	0.34
Sodium	mg/l	23.3 \pm 0.188	22.96 \pm 0.4592	0.791	98.7	-0.38
Sulfate (as SO ₄)	mg/l	106 \pm 0.947	109.76 \pm 3.2928	3.51	103	0.95
Total-P (as PO ₄)	mg/l	0.145 \pm 0.00263	0.1533 \pm 0.009198	0.0109	106	0.74
Total hardness	mmol/l	5.84 \pm 0.0648	5.89 \pm 0.2356	0.175	101	0.29
Total nitrogen	mg/l	2.49 \pm 0.0962	- \pm -	0.207	-	-

Sample: N180ADOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.55 \pm 0.082	1.457 \pm 0.21855	0.186	93.9	-0.51

Sample: N180B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	3.5 \pm 0.0202	3.5 \pm 0.01	0.0699	100	0.07

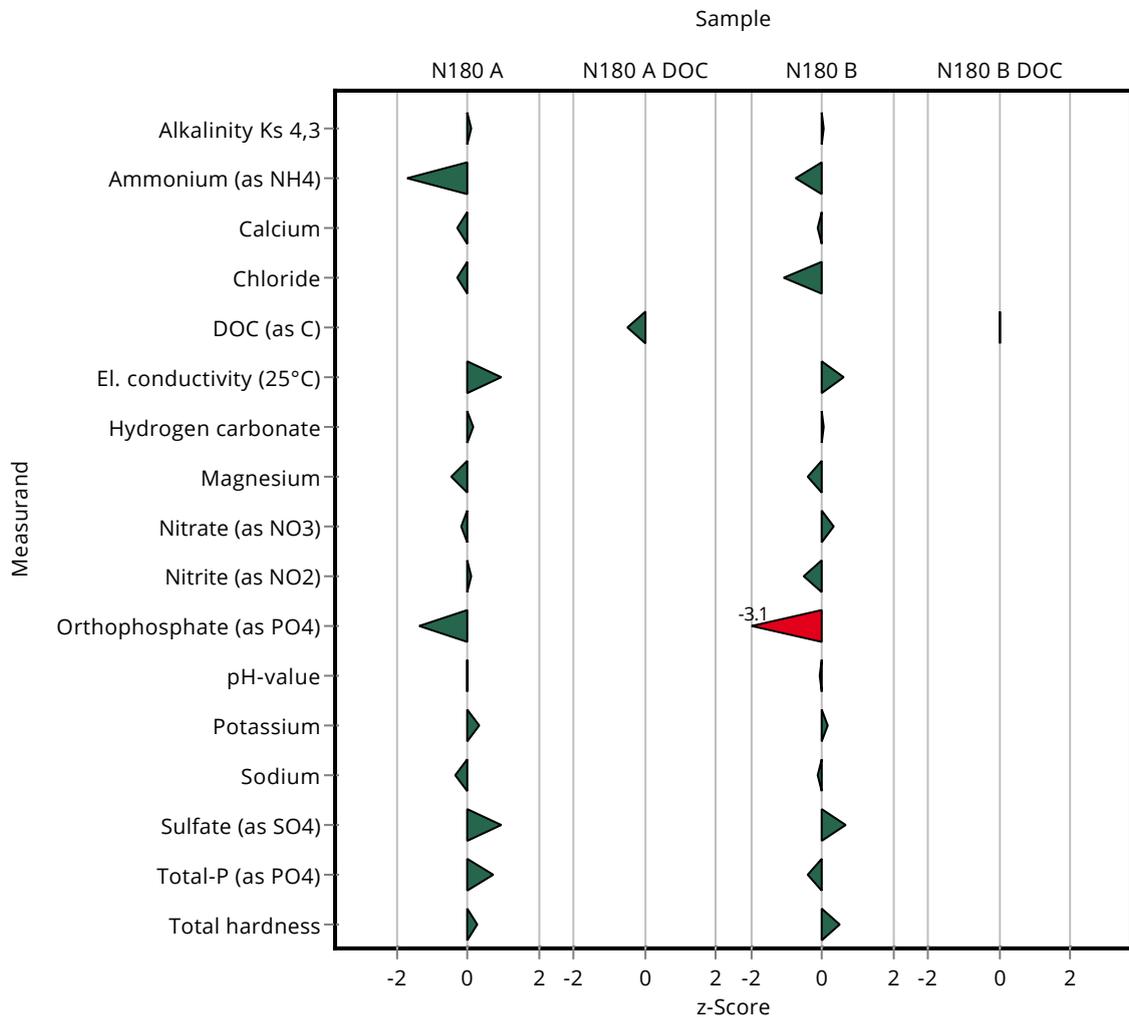
Summary of results Nutrients/Major Ions N180

Labcode: LC0008

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.29 \pm 0.0086	0.264 \pm 0.01584	0.0348	91	-0.75
Boron	mg/l	0.0162 \pm 0.000839	- \pm -	0.00179	-	-
Calcium	mg/l	65.6 \pm 0.729	65.37 \pm 1.04592	2.03	99.6	-0.13
Chloride	mg/l	41.2 \pm 0.375	39.36 \pm 2.3616	1.65	95.6	-1.09
El. conductivity (25°C)	μ S/cm	571 \pm 1.88	575 \pm 14.375	7.42	101	0.60
Hydrogen carbonate	mg/l	211 \pm 1.2	211.4 \pm 4.228	4.22	100	0.07
Magnesium	mg/l	15.8 \pm 0.174	15.55 \pm 0.29545	0.632	98.4	-0.39
Nitrate (as NO ₃)	mg/l	29.5 \pm 0.271	30 \pm 1.5	1.48	102	0.31
Nitrite (as NO ₂)	mg/l	0.385 \pm 0.00518	0.375 \pm 0.0375	0.0204	97.3	-0.51
Orthophosphate (as PO ₄)	mg/l	0.411 \pm 0.051	0.033726 \pm 0.004047	0.123	8.21	-3.06
pH-value	-	7.58 \pm 0.0328	7.57 \pm 0.25	0.152	99.9	-0.05
Potassium	mg/l	2.79 \pm 0.0421	2.82 \pm 0.16638	0.145	101	0.17
Sodium	mg/l	24.8 \pm 0.253	24.71 \pm 0.4942	0.844	99.5	-0.14
Sulfate (as SO ₄)	mg/l	32 \pm 0.308	32.71 \pm 0.9813	1.06	102	0.64
Total-P (as PO ₄)	mg/l	2.01 \pm 0.0245	1.94691 \pm 0.116815	0.151	97	-0.40
Total hardness	mmol/l	2.29 \pm 0.0232	2.32 \pm 0.0928	0.0686	101	0.47
Total nitrogen	mg/l	7.29 \pm 0.23	- \pm -	0.605	-	-

Sample: N180BDOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.87 \pm 0.0629	2.87 \pm 0.4305	0.287	100	0.00



Sample: N180A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	7.31 \pm 0.0254	7.32 \pm 0.01	0.146	100	0.31
Ammonium (as NH ₄)	mg/l	0.0867 \pm 0.00322	0.069 \pm 0.00414	0.0104	79.5	-2.00
Boron	mg/l	0.0592 \pm 0.00162	- \pm -	0.00652	-	-
Calcium	mg/l	168 \pm 1.9	166.14 \pm 2.65824	5.2	99	-0.30
Chloride	mg/l	110 \pm 0.63	108.89 \pm 6.5334	4.41	98.8	-0.10
El. conductivity (25°C)	μ S/cm	1170 \pm 4.33	1188 \pm 29.7	15.3	101	0.24
Hydrogen carbonate	mg/l	445 \pm 1.63	446.3 \pm 8.926	8.9	100	0.06
Magnesium	mg/l	39.8 \pm 0.541	39.02 \pm 0.74138	1.59	98.1	-0.47
Nitrate (as NO ₃)	mg/l	10.1 \pm 0.0896	10.04 \pm 0.502	0.507	99	-0.10
Nitrite (as NO ₂)	mg/l	0.0307 \pm 0.00108	0.031 \pm 0.0031	0.00307	101	0.05
Orthophosphate (as PO ₄)	mg/l	0.051 \pm 0.00379	0.036792 \pm 0.004415	0.0102	72.1	-1.48
pH-value	-	7.6 \pm 0.0251	7.6 \pm 0.25	0.152	99.9	-0.01
Potassium	mg/l	2.5 \pm 0.0456	2.54 \pm 0.14986	0.13	102	0.15
Sodium	mg/l	23.3 \pm 0.188	22.96 \pm 0.4592	0.791	98.7	-0.32
Sulfate (as SO ₄)	mg/l	106 \pm 0.947	109.76 \pm 3.2928	3.51	103	0.50
Total-P (as PO ₄)	mg/l	0.145 \pm 0.00263	0.1533 \pm 0.009198	0.0109	106	0.43
Total hardness	mmol/l	5.84 \pm 0.0648	5.89 \pm 0.2356	0.175	101	0.11
Total nitrogen	mg/l	2.49 \pm 0.0962	- \pm -	0.207	-	-

Sample: N180ADOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.55 \pm 0.082	1.457 \pm 0.21855	0.186	93.9	-0.21

Sample: N180B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	3.5 \pm 0.0202	3.5 \pm 0.01	0.0699	100	0.17

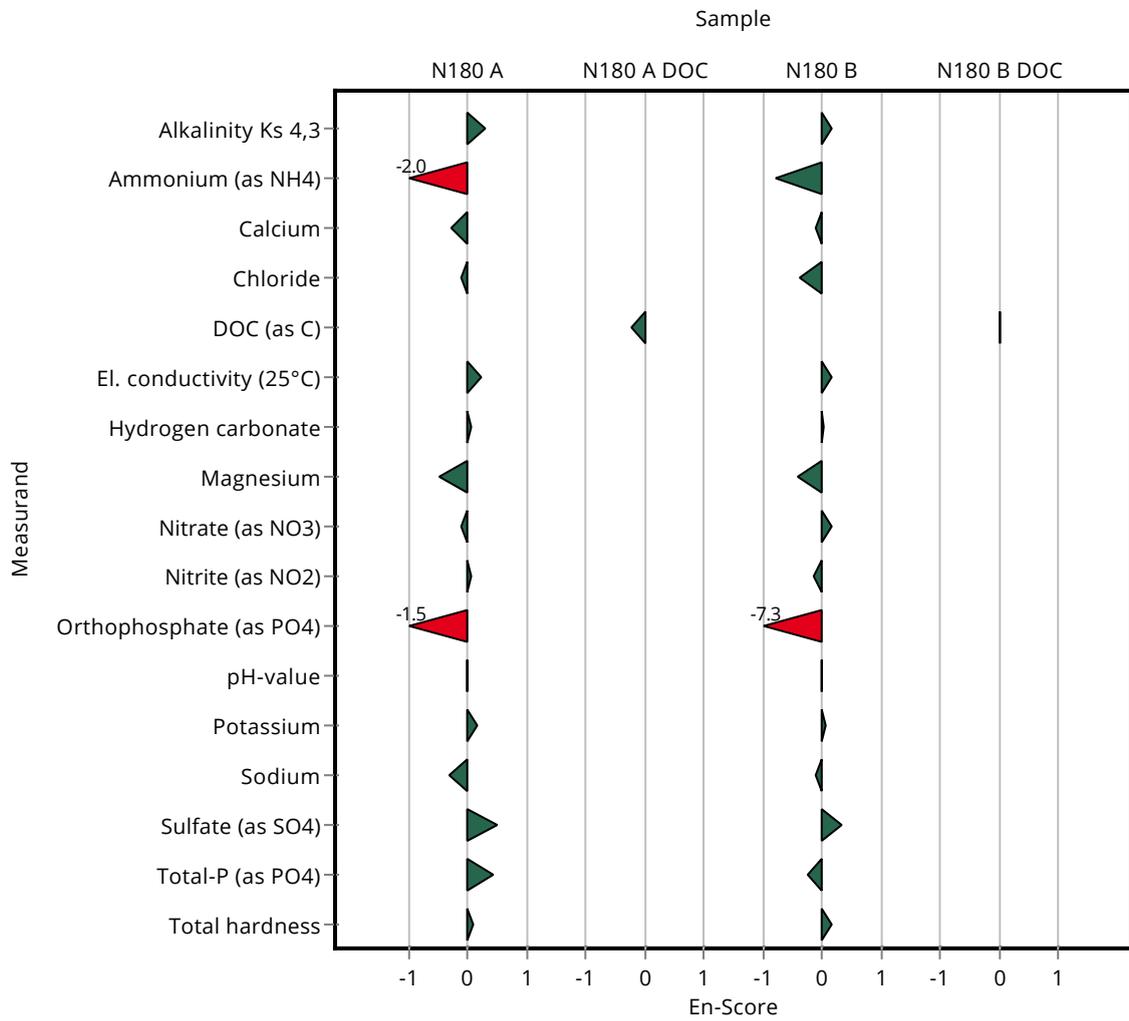
Summary of results Nutrients/Major Ions N180 - En-Score

Labcode: LC0008

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.29 \pm 0.0086	0.264 \pm 0.01584	0.0348	91	-0.79
Boron	mg/l	0.0162 \pm 0.000839	- \pm -	0.00179	-	-
Calcium	mg/l	65.6 \pm 0.729	65.37 \pm 1.04592	2.03	99.6	-0.12
Chloride	mg/l	41.2 \pm 0.375	39.36 \pm 2.3616	1.65	95.6	-0.38
El. conductivity (25°C)	μ S/cm	571 \pm 1.88	575 \pm 14.375	7.42	101	0.15
Hydrogen carbonate	mg/l	211 \pm 1.2	211.4 \pm 4.228	4.22	100	0.04
Magnesium	mg/l	15.8 \pm 0.174	15.55 \pm 0.29545	0.632	98.4	-0.40
Nitrate (as NO ₃)	mg/l	29.5 \pm 0.271	30 \pm 1.5	1.48	102	0.15
Nitrite (as NO ₂)	mg/l	0.385 \pm 0.00518	0.375 \pm 0.0375	0.0204	97.3	-0.14
Orthophosphate (as PO ₄)	mg/l	0.411 \pm 0.051	0.033726 \pm 0.004047	0.123	8.21	-7.31
pH-value	-	7.58 \pm 0.0328	7.57 \pm 0.25	0.152	99.9	-0.02
Potassium	mg/l	2.79 \pm 0.0421	2.82 \pm 0.16638	0.145	101	0.08
Sodium	mg/l	24.8 \pm 0.253	24.71 \pm 0.4942	0.844	99.5	-0.12
Sulfate (as SO ₄)	mg/l	32 \pm 0.308	32.71 \pm 0.9813	1.06	102	0.34
Total-P (as PO ₄)	mg/l	2.01 \pm 0.0245	1.94691 \pm 0.116815	0.151	97	-0.26
Total hardness	mmol/l	2.29 \pm 0.0232	2.32 \pm 0.0928	0.0686	101	0.17
Total nitrogen	mg/l	7.29 \pm 0.23	- \pm -	0.605	-	-

Sample: N180BDOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	2.87 \pm 0.0629	2.87 \pm 0.4305	0.287	100	0.00



Sample: N180A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	7.31 \pm 0.0254	7.36 \pm 0.92	0.146	101	0.34
Ammonium (as NH ₄)	mg/l	0.0867 \pm 0.00322	0.0849 \pm 0.011	0.0104	97.9	-0.18
Boron	mg/l	0.0592 \pm 0.00162	0.0604 \pm 0.009	0.00652	102	0.18
Calcium	mg/l	168 \pm 1.9	178 \pm 26.7	5.2	106	1.96
Chloride	mg/l	110 \pm 0.63	118 \pm 17.7	4.41	107	1.77
El. conductivity (25°C)	μ S/cm	1170 \pm 4.33	1171 \pm 146	15.3	99.7	-0.19
Hydrogen carbonate	mg/l	445 \pm 1.63	446 \pm 56	8.9	100	0.09
Magnesium	mg/l	39.8 \pm 0.541	42 \pm 6.3	1.59	106	1.40
Nitrate (as NO ₃)	mg/l	10.1 \pm 0.0896	9.5 \pm 1.425	0.507	93.6	-1.27
Nitrite (as NO ₂)	mg/l	0.0307 \pm 0.00108	0.0329 \pm 0.004	0.00307	107	0.73
Orthophosphate (as PO ₄)	mg/l	0.051 \pm 0.00379	0.0547 \pm 0.0068	0.0102	107	0.36
pH-value	-	7.6 \pm 0.0251	7.74 \pm 0.97	0.152	102	0.89
Potassium	mg/l	2.5 \pm 0.0456	2.36 \pm 0.354	0.13	94.6	-1.04
Sodium	mg/l	23.3 \pm 0.188	24.3 \pm 3.645	0.791	104	1.32
Sulfate (as SO ₄)	mg/l	106 \pm 0.947	115 \pm 17.25	3.51	108	2.44
Total-P (as PO ₄)	mg/l	0.145 \pm 0.00263	0.141 \pm 0.0177	0.0109	97	-0.39
Total hardness	mmol/l	5.84 \pm 0.0648	6.17 \pm 0.9255	0.175	106	1.89
Total nitrogen	mg/l	2.49 \pm 0.0962	2.69 \pm 0.34	0.207	108	0.95

Sample: N180ADOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.55 \pm 0.082	1.53 \pm 0.19	0.186	98.6	-0.12

Sample: N180B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	3.5 \pm 0.0202	3.5 \pm 0.44	0.0699	100	0.07

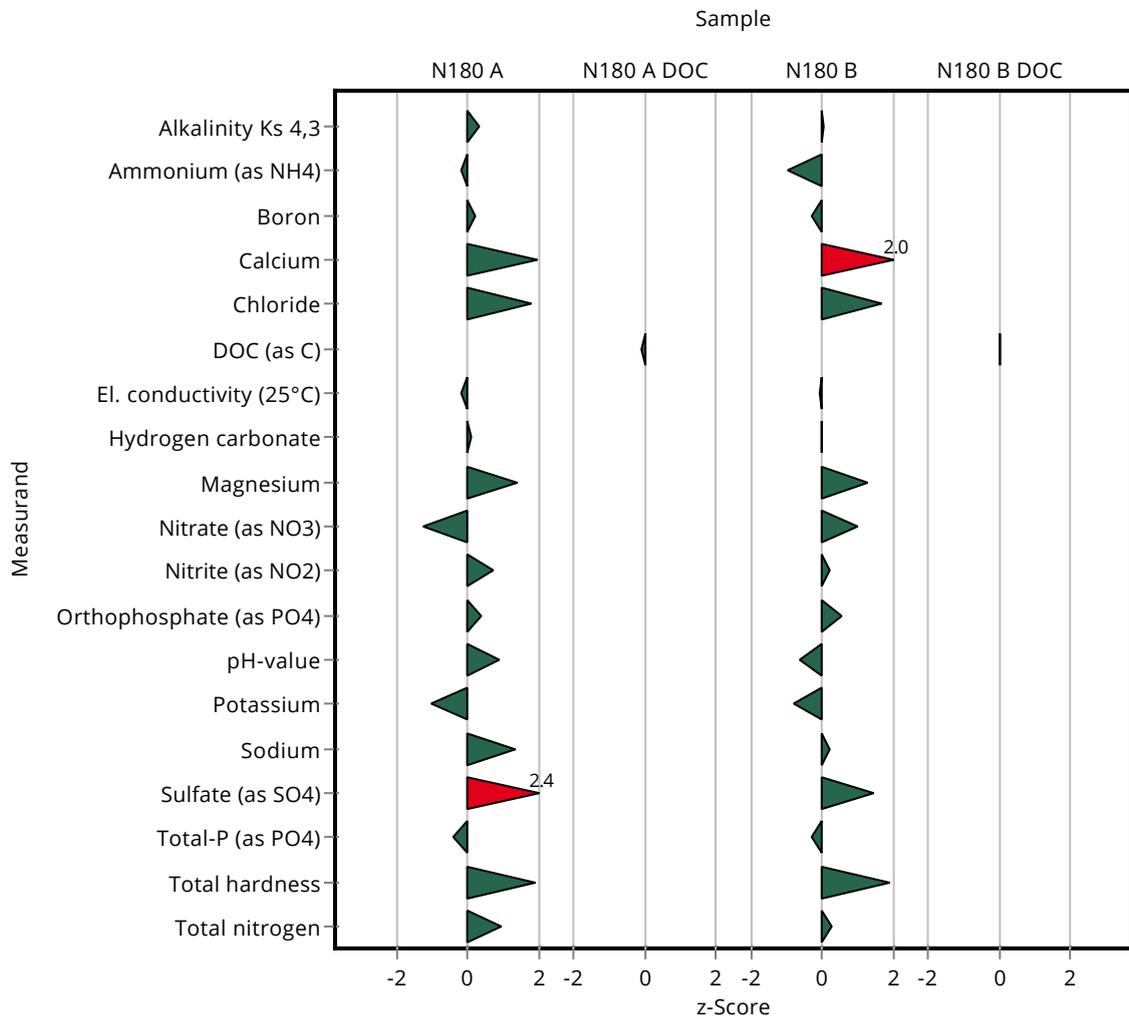
Summary of results Nutrients/Major Ions N180

Labcode: LC0009

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.29 \pm 0.0086	0.256 \pm 0.0326	0.0348	88.3	-0.98
Boron	mg/l	0.0162 \pm 0.000839	0.0157 \pm 0.003	0.00179	96.7	-0.30
Calcium	mg/l	65.6 \pm 0.729	69.8 \pm 10.47	2.03	106	2.05
Chloride	mg/l	41.2 \pm 0.375	43.9 \pm 6.585	1.65	107	1.66
El. conductivity (25°C)	μ S/cm	571 \pm 1.88	570 \pm 71	7.42	99.9	-0.08
Hydrogen carbonate	mg/l	211 \pm 1.2	211 \pm 26.3	4.22	100	-0.02
Magnesium	mg/l	15.8 \pm 0.174	16.6 \pm 2.49	0.632	105	1.27
Nitrate (as NO ₃)	mg/l	29.5 \pm 0.271	31 \pm 4.65	1.48	105	0.98
Nitrite (as NO ₂)	mg/l	0.385 \pm 0.00518	0.39 \pm 0.0488	0.0204	101	0.22
Orthophosphate (as PO ₄)	mg/l	0.411 \pm 0.051	0.476 \pm 0.0595	0.123	116	0.53
pH-value	-	7.58 \pm 0.0328	7.48 \pm 0.94	0.152	98.7	-0.65
Potassium	mg/l	2.79 \pm 0.0421	2.68 \pm 0.402	0.145	95.9	-0.79
Sodium	mg/l	24.8 \pm 0.253	25 \pm 3.75	0.844	101	0.20
Sulfate (as SO ₄)	mg/l	32 \pm 0.308	33.6 \pm 5.04	1.06	105	1.48
Total-P (as PO ₄)	mg/l	2.01 \pm 0.0245	1.96 \pm 0.246	0.151	97.6	-0.31
Total hardness	mmol/l	2.29 \pm 0.0232	2.42 \pm 0.363	0.0686	106	1.93
Total nitrogen	mg/l	7.29 \pm 0.23	7.45 \pm 0.93	0.605	102	0.27

Sample: N180BDOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.87 \pm 0.0629	2.87 \pm 0.36	0.287	100	0.00



Sample: N180A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	7.31 \pm 0.0254	7.36 \pm 0.92	0.146	101	0.03
Ammonium (as NH ₄)	mg/l	0.0867 \pm 0.00322	0.0849 \pm 0.011	0.0104	97.9	-0.08
Boron	mg/l	0.0592 \pm 0.00162	0.0604 \pm 0.009	0.00652	102	0.06
Calcium	mg/l	168 \pm 1.9	178 \pm 26.7	5.2	106	0.19
Chloride	mg/l	110 \pm 0.63	118 \pm 17.7	4.41	107	0.22
El. conductivity (25°C)	μ S/cm	1170 \pm 4.33	1171 \pm 146	15.3	99.7	-0.01
Hydrogen carbonate	mg/l	445 \pm 1.63	446 \pm 56	8.9	100	0.01
Magnesium	mg/l	39.8 \pm 0.541	42 \pm 6.3	1.59	106	0.18
Nitrate (as NO ₃)	mg/l	10.1 \pm 0.0896	9.5 \pm 1.425	0.507	93.6	-0.23
Nitrite (as NO ₂)	mg/l	0.0307 \pm 0.00108	0.0329 \pm 0.004	0.00307	107	0.28
Orthophosphate (as PO ₄)	mg/l	0.051 \pm 0.00379	0.0547 \pm 0.0068	0.0102	107	0.26
pH-value	-	7.6 \pm 0.0251	7.74 \pm 0.97	0.152	102	0.07
Potassium	mg/l	2.5 \pm 0.0456	2.36 \pm 0.354	0.13	94.6	-0.19
Sodium	mg/l	23.3 \pm 0.188	24.3 \pm 3.645	0.791	104	0.14
Sulfate (as SO ₄)	mg/l	106 \pm 0.947	115 \pm 17.25	3.51	108	0.25
Total-P (as PO ₄)	mg/l	0.145 \pm 0.00263	0.141 \pm 0.0177	0.0109	97	-0.12
Total hardness	mmol/l	5.84 \pm 0.0648	6.17 \pm 0.9255	0.175	106	0.18
Total nitrogen	mg/l	2.49 \pm 0.0962	2.69 \pm 0.34	0.207	108	0.29

Sample: N180ADOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.55 \pm 0.082	1.53 \pm 0.19	0.186	98.6	-0.06

Sample: N180B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	3.5 \pm 0.0202	3.5 \pm 0.44	0.0699	100	0.01

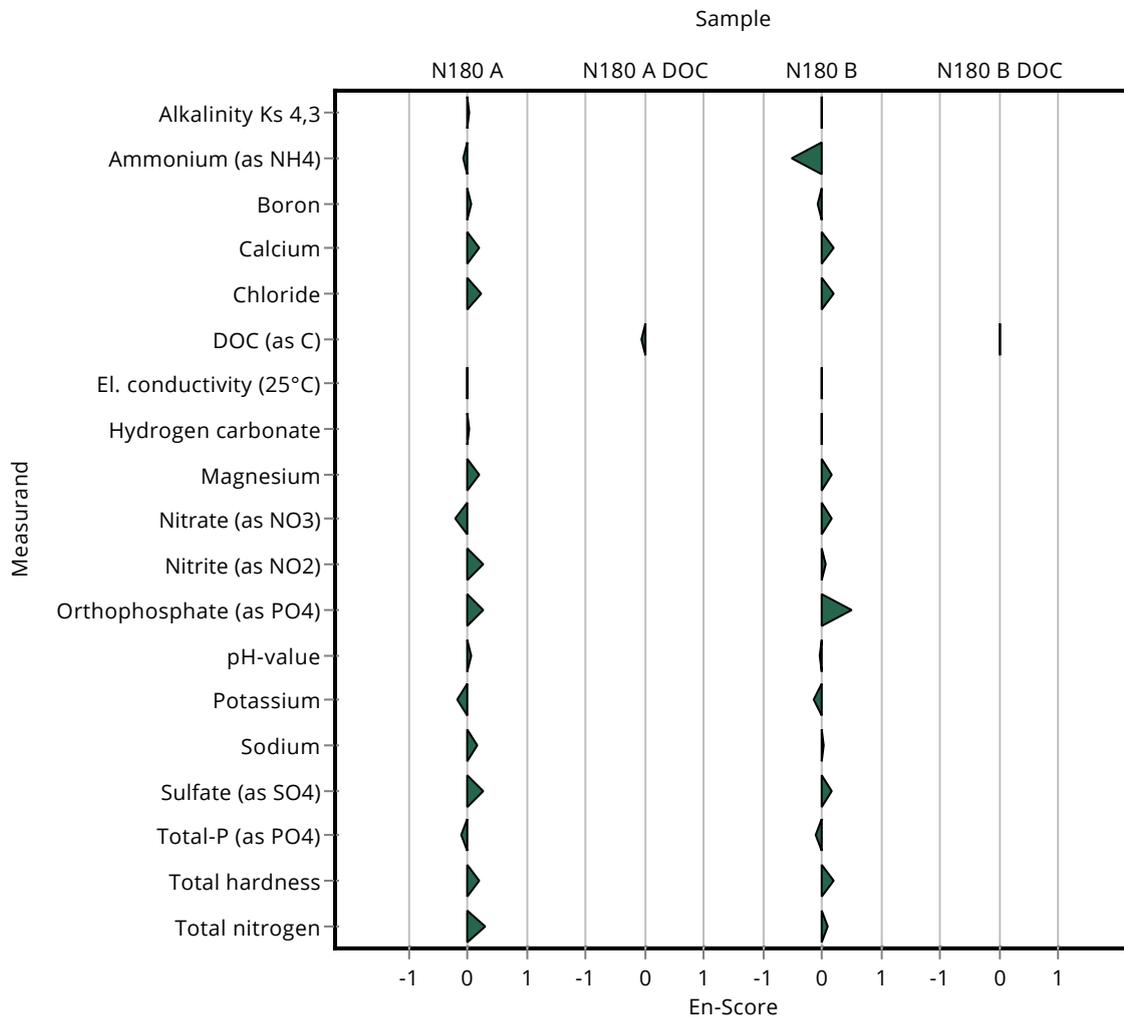
Summary of results Nutrients/Major Ions N180 - En-Score

Labcode: LC0009

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.29 \pm 0.0086	0.256 \pm 0.0326	0.0348	88.3	-0.52
Boron	mg/l	0.0162 \pm 0.000839	0.0157 \pm 0.003	0.00179	96.7	-0.09
Calcium	mg/l	65.6 \pm 0.729	69.8 \pm 10.47	2.03	106	0.20
Chloride	mg/l	41.2 \pm 0.375	43.9 \pm 6.585	1.65	107	0.21
El. conductivity (25°C)	μ S/cm	571 \pm 1.88	570 \pm 71	7.42	99.9	0.00
Hydrogen carbonate	mg/l	211 \pm 1.2	211 \pm 26.3	4.22	100	0.00
Magnesium	mg/l	15.8 \pm 0.174	16.6 \pm 2.49	0.632	105	0.16
Nitrate (as NO ₃)	mg/l	29.5 \pm 0.271	31 \pm 4.65	1.48	105	0.16
Nitrite (as NO ₂)	mg/l	0.385 \pm 0.00518	0.39 \pm 0.0488	0.0204	101	0.05
Orthophosphate (as PO ₄)	mg/l	0.411 \pm 0.051	0.476 \pm 0.0595	0.123	116	0.50
pH-value	-	7.58 \pm 0.0328	7.48 \pm 0.94	0.152	98.7	-0.05
Potassium	mg/l	2.79 \pm 0.0421	2.68 \pm 0.402	0.145	95.9	-0.14
Sodium	mg/l	24.8 \pm 0.253	25 \pm 3.75	0.844	101	0.02
Sulfate (as SO ₄)	mg/l	32 \pm 0.308	33.6 \pm 5.04	1.06	105	0.16
Total-P (as PO ₄)	mg/l	2.01 \pm 0.0245	1.96 \pm 0.246	0.151	97.6	-0.10
Total hardness	mmol/l	2.29 \pm 0.0232	2.42 \pm 0.363	0.0686	106	0.18
Total nitrogen	mg/l	7.29 \pm 0.23	7.45 \pm 0.93	0.605	102	0.09

Sample: N180BDOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	2.87 \pm 0.0629	2.87 \pm 0.36	0.287	100	0.00



Sample: N180A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	7.31 \pm 0.0254	7.27 \pm 0.11	0.146	99.5	-0.27
Ammonium (as NH ₄)	mg/l	0.0867 \pm 0.00322	<0.02 \pm -	0.0104	-	-
Boron	mg/l	0.0592 \pm 0.00162	- \pm -	0.00652	-	-
Calcium	mg/l	168 \pm 1.9	158 \pm 12	5.2	94.2	-1.89
Chloride	mg/l	110 \pm 0.63	110 \pm 8.2	4.41	99.8	-0.04
El. conductivity (25°C)	μ S/cm	1170 \pm 4.33	1177 \pm 35	15.3	100	0.20
Hydrogen carbonate	mg/l	445 \pm 1.63	443 \pm 6.7	8.9	99.5	-0.25
Magnesium	mg/l	39.8 \pm 0.541	42 \pm 3.1	1.59	106	1.40
Nitrate (as NO ₃)	mg/l	10.1 \pm 0.0896	10.1 \pm 0.76	0.507	99.6	-0.09
Nitrite (as NO ₂)	mg/l	0.0307 \pm 0.00108	0.038 \pm 0.004	0.00307	124	2.39
Orthophosphate (as PO ₄)	mg/l	0.051 \pm 0.00379	0.028 \pm 0.004	0.0102	54.9	-2.26
pH-value	-	7.6 \pm 0.0251	7.71 \pm 0.39	0.152	101	0.70
Potassium	mg/l	2.5 \pm 0.0456	2.41 \pm 0.18	0.13	96.6	-0.66
Sodium	mg/l	23.3 \pm 0.188	22.6 \pm 1.7	0.791	97.2	-0.83
Sulfate (as SO ₄)	mg/l	106 \pm 0.947	107 \pm 8	3.51	101	0.16
Total-P (as PO ₄)	mg/l	0.145 \pm 0.00263	0.178 \pm 0.027	0.0109	123	3.00
Total hardness	mmol/l	5.84 \pm 0.0648	5.68 \pm 0.43	0.175	97.3	-0.91
Total nitrogen	mg/l	2.49 \pm 0.0962	2.45 \pm 0.25	0.207	98.2	-0.21

Sample: N180ADOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.55 \pm 0.082	1.29 \pm 0.13	0.186	83.1	-1.41

Sample: N180B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	3.5 \pm 0.0202	3.52 \pm 0.05	0.0699	101	0.35

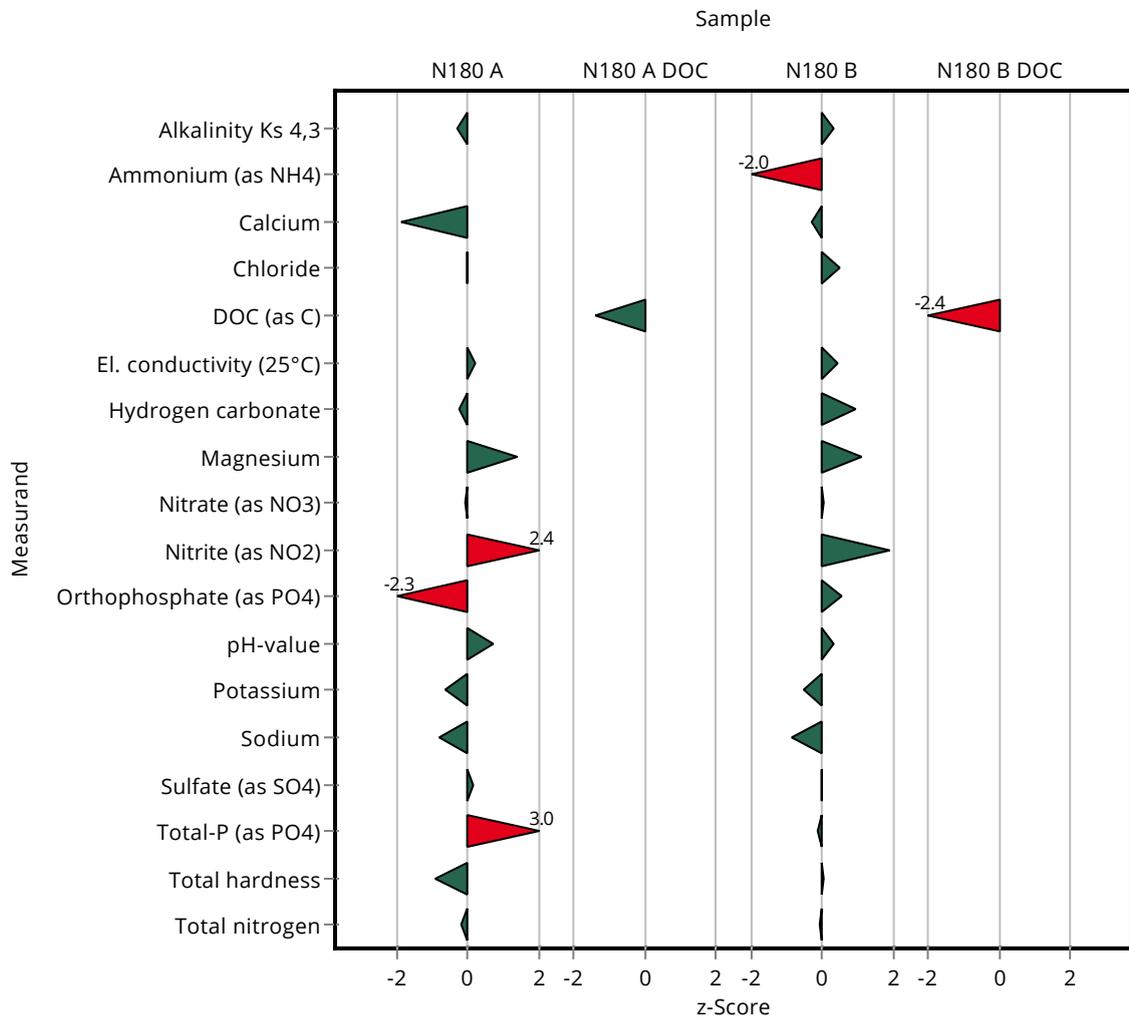
Summary of results Nutrients/Major Ions N180

Labcode: LC0010

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.29 \pm 0.0086	0.219 \pm 0.033	0.0348	75.5	-2.04
Boron	mg/l	0.0162 \pm 0.000839	- \pm -	0.00179	-	-
Calcium	mg/l	65.6 \pm 0.729	65 \pm 5	2.03	99	-0.31
Chloride	mg/l	41.2 \pm 0.375	42 \pm 3.1	1.65	102	0.51
El. conductivity (25°C)	μ S/cm	571 \pm 1.88	574 \pm 17	7.42	101	0.46
Hydrogen carbonate	mg/l	211 \pm 1.2	215 \pm 3.2	4.22	102	0.92
Magnesium	mg/l	15.8 \pm 0.174	16.5 \pm 1.2	0.632	104	1.11
Nitrate (as NO ₃)	mg/l	29.5 \pm 0.271	29.6 \pm 2.22	1.48	100	0.04
Nitrite (as NO ₂)	mg/l	0.385 \pm 0.00518	0.424 \pm 0.042	0.0204	110	1.89
Orthophosphate (as PO ₄)	mg/l	0.411 \pm 0.051	0.48 \pm 0.072	0.123	117	0.56
pH-value	-	7.58 \pm 0.0328	7.63 \pm 0.38	0.152	101	0.34
Potassium	mg/l	2.79 \pm 0.0421	2.72 \pm 0.2	0.145	97.3	-0.51
Sodium	mg/l	24.8 \pm 0.253	24.1 \pm 1.8	0.844	97.1	-0.86
Sulfate (as SO ₄)	mg/l	32 \pm 0.308	32 \pm 2.4	1.06	99.9	-0.03
Total-P (as PO ₄)	mg/l	2.01 \pm 0.0245	1.989 \pm 0.3	0.151	99.1	-0.12
Total hardness	mmol/l	2.29 \pm 0.0232	2.29 \pm 0.17	0.0686	100	0.03
Total nitrogen	mg/l	7.29 \pm 0.23	7.26 \pm 0.73	0.605	99.6	-0.05

Sample: N180BDOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.87 \pm 0.0629	2.19 \pm 0.22	0.287	76.3	-2.37



Sample: N180A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	7.31 \pm 0.0254	7.27 \pm 0.11	0.146	99.5	-0.18
Ammonium (as NH ₄)	mg/l	0.0867 \pm 0.00322	<0.02 \pm -	0.0104	-	-
Boron	mg/l	0.0592 \pm 0.00162	- \pm -	0.00652	-	-
Calcium	mg/l	168 \pm 1.9	158 \pm 12	5.2	94.2	-0.41
Chloride	mg/l	110 \pm 0.63	110 \pm 8.2	4.41	99.8	-0.01
El. conductivity (25°C)	μ S/cm	1170 \pm 4.33	1177 \pm 35	15.3	100	0.04
Hydrogen carbonate	mg/l	445 \pm 1.63	443 \pm 6.7	8.9	99.5	-0.16
Magnesium	mg/l	39.8 \pm 0.541	42 \pm 3.1	1.59	106	0.36
Nitrate (as NO ₃)	mg/l	10.1 \pm 0.0896	10.1 \pm 0.76	0.507	99.6	-0.03
Nitrite (as NO ₂)	mg/l	0.0307 \pm 0.00108	0.038 \pm 0.004	0.00307	124	0.91
Orthophosphate (as PO ₄)	mg/l	0.051 \pm 0.00379	0.028 \pm 0.004	0.0102	54.9	-2.60
pH-value	-	7.6 \pm 0.0251	7.71 \pm 0.39	0.152	101	0.14
Potassium	mg/l	2.5 \pm 0.0456	2.41 \pm 0.18	0.13	96.6	-0.24
Sodium	mg/l	23.3 \pm 0.188	22.6 \pm 1.7	0.791	97.2	-0.19
Sulfate (as SO ₄)	mg/l	106 \pm 0.947	107 \pm 8	3.51	101	0.04
Total-P (as PO ₄)	mg/l	0.145 \pm 0.00263	0.178 \pm 0.027	0.0109	123	0.61
Total hardness	mmol/l	5.84 \pm 0.0648	5.68 \pm 0.43	0.175	97.3	-0.18
Total nitrogen	mg/l	2.49 \pm 0.0962	2.45 \pm 0.25	0.207	98.2	-0.09

Sample: N180ADOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.55 \pm 0.082	1.29 \pm 0.13	0.186	83.1	-0.96

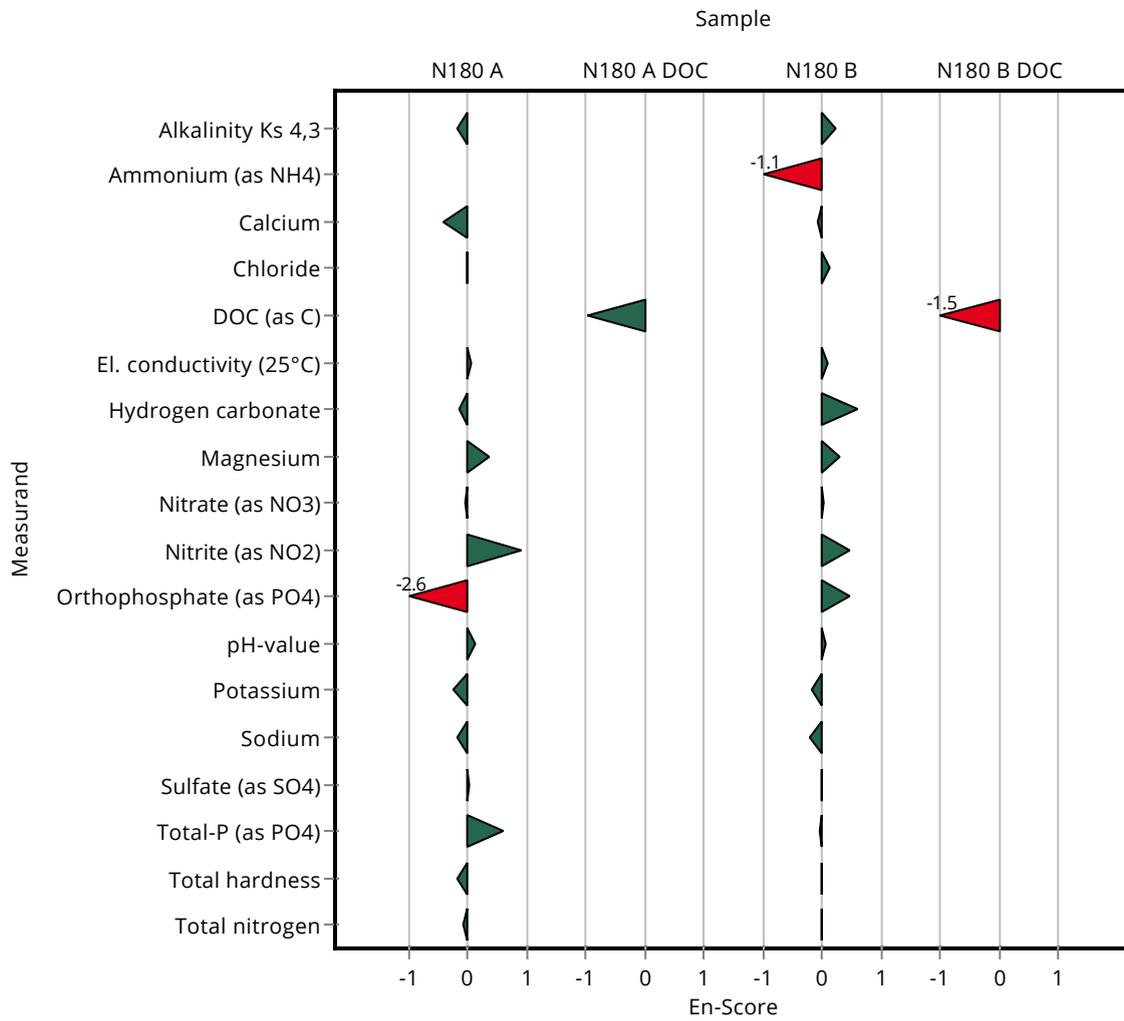
Sample: N180B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	3.5 \pm 0.0202	3.52 \pm 0.05	0.0699	101	0.24

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.29 \pm 0.0086	0.219 \pm 0.033	0.0348	75.5	-1.07
Boron	mg/l	0.0162 \pm 0.000839	- \pm -	0.00179	-	-
Calcium	mg/l	65.6 \pm 0.729	65 \pm 5	2.03	99	-0.06
Chloride	mg/l	41.2 \pm 0.375	42 \pm 3.1	1.65	102	0.14
El. conductivity (25°C)	μ S/cm	571 \pm 1.88	574 \pm 17	7.42	101	0.10
Hydrogen carbonate	mg/l	211 \pm 1.2	215 \pm 3.2	4.22	102	0.60
Magnesium	mg/l	15.8 \pm 0.174	16.5 \pm 1.2	0.632	104	0.29
Nitrate (as NO ₃)	mg/l	29.5 \pm 0.271	29.6 \pm 2.22	1.48	100	0.01
Nitrite (as NO ₂)	mg/l	0.385 \pm 0.00518	0.424 \pm 0.042	0.0204	110	0.46
Orthophosphate (as PO ₄)	mg/l	0.411 \pm 0.051	0.48 \pm 0.072	0.123	117	0.45
pH-value	-	7.58 \pm 0.0328	7.63 \pm 0.38	0.152	101	0.07
Potassium	mg/l	2.79 \pm 0.0421	2.72 \pm 0.2	0.145	97.3	-0.19
Sodium	mg/l	24.8 \pm 0.253	24.1 \pm 1.8	0.844	97.1	-0.20
Sulfate (as SO ₄)	mg/l	32 \pm 0.308	32 \pm 2.4	1.06	99.9	-0.01
Total-P (as PO ₄)	mg/l	2.01 \pm 0.0245	1.989 \pm 0.3	0.151	99.1	-0.03
Total hardness	mmol/l	2.29 \pm 0.0232	2.29 \pm 0.17	0.0686	100	0.01
Total nitrogen	mg/l	7.29 \pm 0.23	7.26 \pm 0.73	0.605	99.6	-0.02

Sample: N180BDOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	2.87 \pm 0.0629	2.19 \pm 0.22	0.287	76.3	-1.53



Sample: N180A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	7.31 \pm 0.0254	- \pm -	0.146	-	-
Ammonium (as NH ₄)	mg/l	0.0867 \pm 0.00322	0.081 \pm 0.001	0.0104	93.4	-0.55
Boron	mg/l	0.0592 \pm 0.00162	- \pm -	0.00652	-	-
Calcium	mg/l	168 \pm 1.9	164.541 \pm 0.398	5.2	98.1	-0.63
Chloride	mg/l	110 \pm 0.63	105.687 \pm 0.475	4.41	95.9	-1.02
El. conductivity (25°C)	μ S/cm	1170 \pm 4.33	1172 \pm 3.54	15.3	99.8	-0.13
Hydrogen carbonate	mg/l	445 \pm 1.63	- \pm -	8.9	-	-
Magnesium	mg/l	39.8 \pm 0.541	38.496 \pm 0.079	1.59	96.8	-0.80
Nitrate (as NO ₃)	mg/l	10.1 \pm 0.0896	9.98 \pm 0.012	0.507	98.4	-0.33
Nitrite (as NO ₂)	mg/l	0.0307 \pm 0.00108	0.016 \pm 0.001	0.00307	52.2	-4.78
Orthophosphate (as PO ₄)	mg/l	0.051 \pm 0.00379	<0.15 \pm -	0.0102	-	-
pH-value	-	7.6 \pm 0.0251	7.85 \pm 0.01	0.152	103	1.62
Potassium	mg/l	2.5 \pm 0.0456	2.656 \pm 0.028	0.13	106	1.24
Sodium	mg/l	23.3 \pm 0.188	22.446 \pm 0.051	0.791	96.5	-1.03
Sulfate (as SO ₄)	mg/l	106 \pm 0.947	101.905 \pm 0.472	3.51	95.7	-1.29
Total-P (as PO ₄)	mg/l	0.145 \pm 0.00263	- \pm -	0.0109	-	-
Total hardness	mmol/l	5.84 \pm 0.0648	- \pm -	0.175	-	-
Total nitrogen	mg/l	2.49 \pm 0.0962	- \pm -	0.207	-	-

Sample: N180ADOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.55 \pm 0.082	- \pm -	0.186	-	-

Sample: N180B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	3.5 \pm 0.0202	- \pm -	0.0699	-	-

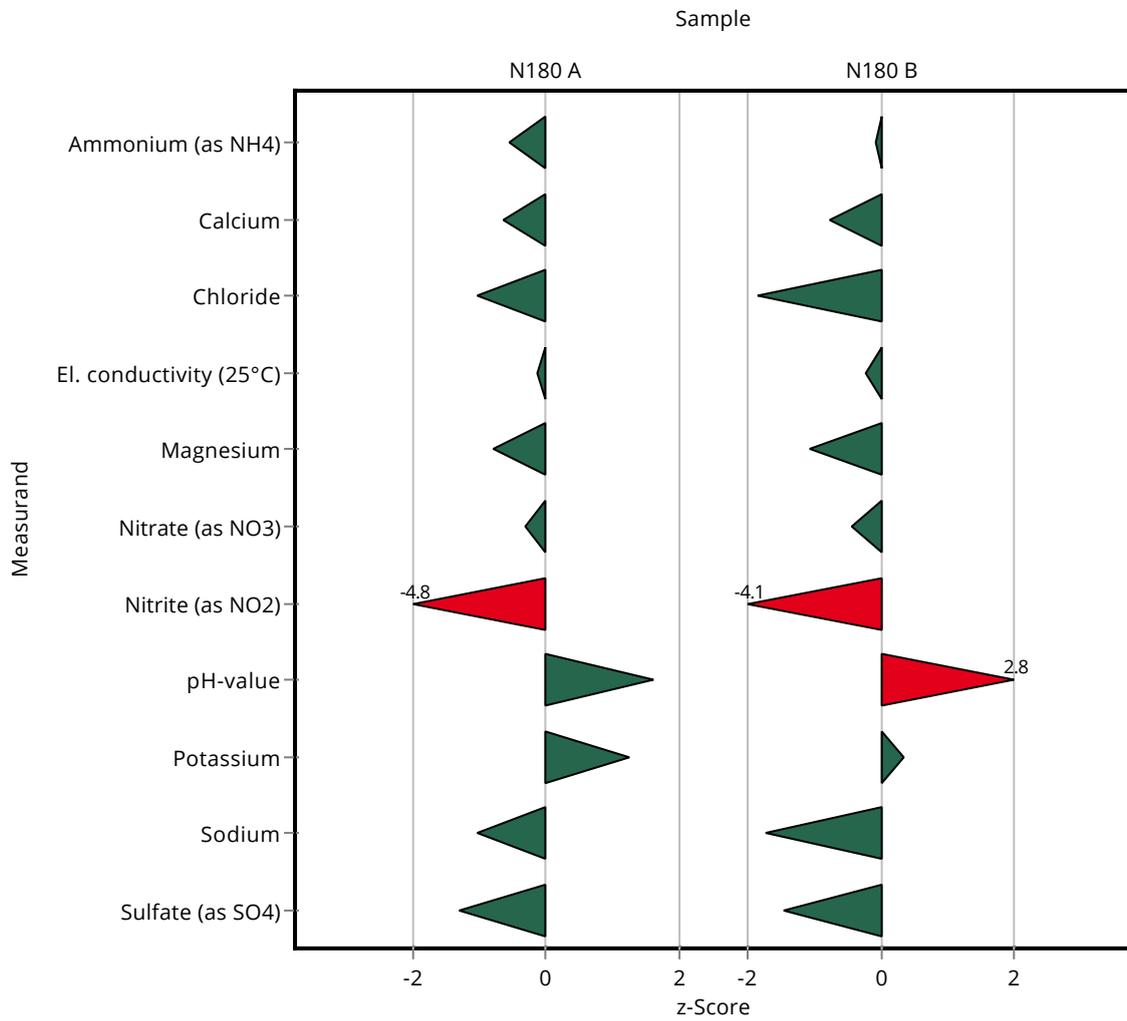
Summary of results Nutrients/Major Ions N180

Labcode: LC0011

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.29 \pm 0.0086	0.287 \pm 0.001	0.0348	99	-0.09
Boron	mg/l	0.0162 \pm 0.000839	- \pm -	0.00179	-	-
Calcium	mg/l	65.6 \pm 0.729	64.103 \pm 0.151	2.03	97.7	-0.75
Chloride	mg/l	41.2 \pm 0.375	38.119 \pm 0.149	1.65	92.6	-1.85
El. conductivity (25°C)	μ S/cm	571 \pm 1.88	569 \pm 0.71	7.42	99.7	-0.21
Hydrogen carbonate	mg/l	211 \pm 1.2	- \pm -	4.22	-	-
Magnesium	mg/l	15.8 \pm 0.174	15.123 \pm 0.026	0.632	95.7	-1.07
Nitrate (as NO ₃)	mg/l	29.5 \pm 0.271	28.909 \pm 0.042	1.48	97.8	-0.43
Nitrite (as NO ₂)	mg/l	0.385 \pm 0.00518	0.302 \pm 0.002	0.0204	78.3	-4.09
Orthophosphate (as PO ₄)	mg/l	0.411 \pm 0.051	<0.15 \pm -	0.123	-	-
pH-value	-	7.58 \pm 0.0328	8 \pm 0.04	0.152	106	2.79
Potassium	mg/l	2.79 \pm 0.0421	2.843 \pm 0.017	0.145	102	0.33
Sodium	mg/l	24.8 \pm 0.253	23.37 \pm 0.065	0.844	94.1	-1.73
Sulfate (as SO ₄)	mg/l	32 \pm 0.308	30.507 \pm 0.052	1.06	95.2	-1.44
Total-P (as PO ₄)	mg/l	2.01 \pm 0.0245	- \pm -	0.151	-	-
Total hardness	mmol/l	2.29 \pm 0.0232	- \pm -	0.0686	-	-
Total nitrogen	mg/l	7.29 \pm 0.23	- \pm -	0.605	-	-

Sample: N180BDOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.87 \pm 0.0629	- \pm -	0.287	-	-



Sample: N180A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	7.31 \pm 0.0254	- \pm -	0.146	-	-
Ammonium (as NH ₄)	mg/l	0.0867 \pm 0.00322	0.081 \pm 0.001	0.0104	93.4	-1.52
Boron	mg/l	0.0592 \pm 0.00162	- \pm -	0.00652	-	-
Calcium	mg/l	168 \pm 1.9	164.541 \pm 0.398	5.2	98.1	-1.59
Chloride	mg/l	110 \pm 0.63	105.687 \pm 0.475	4.41	95.9	-3.95
El. conductivity (25°C)	μ S/cm	1170 \pm 4.33	1172 \pm 3.54	15.3	99.8	-0.24
Hydrogen carbonate	mg/l	445 \pm 1.63	- \pm -	8.9	-	-
Magnesium	mg/l	39.8 \pm 0.541	38.496 \pm 0.079	1.59	96.8	-2.26
Nitrate (as NO ₃)	mg/l	10.1 \pm 0.0896	9.98 \pm 0.012	0.507	98.4	-1.78
Nitrite (as NO ₂)	mg/l	0.0307 \pm 0.00108	0.016 \pm 0.001	0.00307	52.2	-6.45
Orthophosphate (as PO ₄)	mg/l	0.051 \pm 0.00379	<0.15 \pm -	0.0102	-	-
pH-value	-	7.6 \pm 0.0251	7.85 \pm 0.01	0.152	103	7.65
Potassium	mg/l	2.5 \pm 0.0456	2.656 \pm 0.028	0.13	106	2.22
Sodium	mg/l	23.3 \pm 0.188	22.446 \pm 0.051	0.791	96.5	-3.79
Sulfate (as SO ₄)	mg/l	106 \pm 0.947	101.905 \pm 0.472	3.51	95.7	-3.39
Total-P (as PO ₄)	mg/l	0.145 \pm 0.00263	- \pm -	0.0109	-	-
Total hardness	mmol/l	5.84 \pm 0.0648	- \pm -	0.175	-	-
Total nitrogen	mg/l	2.49 \pm 0.0962	- \pm -	0.207	-	-

Sample: N180ADOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.55 \pm 0.082	- \pm -	0.186	-	-

Sample: N180B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	3.5 \pm 0.0202	- \pm -	0.0699	-	-

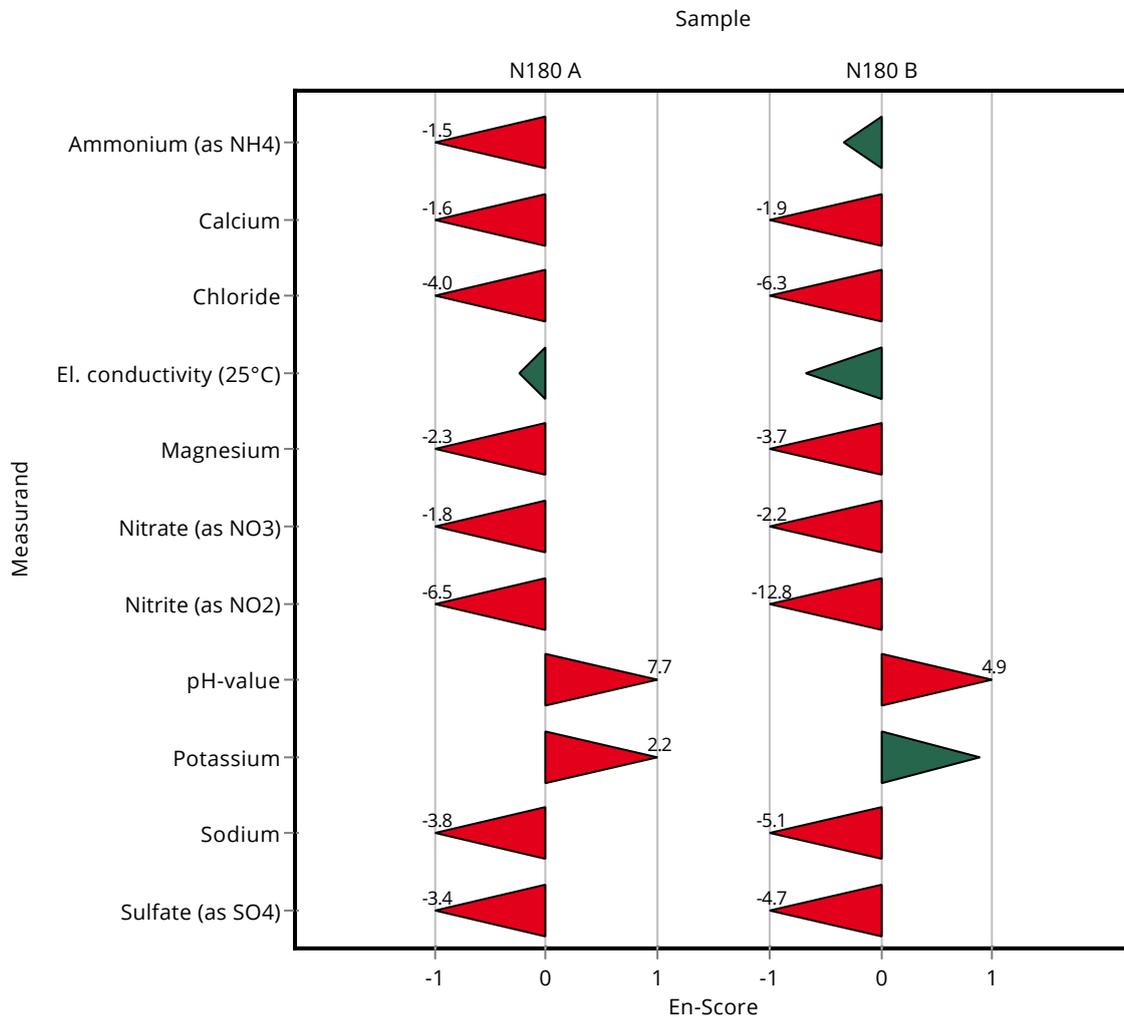
Summary of results Nutrients/Major Ions N180 - En-Score

Labcode: LC0011

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En- Score
Ammonium (as NH ₄)	mg/l	0.29 \pm 0.0086	0.287 \pm 0.001	0.0348	99	-0.34
Boron	mg/l	0.0162 \pm 0.000839	- \pm -	0.00179	-	-
Calcium	mg/l	65.6 \pm 0.729	64.103 \pm 0.151	2.03	97.7	-1.95
Chloride	mg/l	41.2 \pm 0.375	38.119 \pm 0.149	1.65	92.6	-6.35
El. conductivity (25°C)	μ S/cm	571 \pm 1.88	569 \pm 0.71	7.42	99.7	-0.67
Hydrogen carbonate	mg/l	211 \pm 1.2	- \pm -	4.22	-	-
Magnesium	mg/l	15.8 \pm 0.174	15.123 \pm 0.026	0.632	95.7	-3.72
Nitrate (as NO ₃)	mg/l	29.5 \pm 0.271	28.909 \pm 0.042	1.48	97.8	-2.25
Nitrite (as NO ₂)	mg/l	0.385 \pm 0.00518	0.302 \pm 0.002	0.0204	78.3	-12.76
Orthophosphate (as PO ₄)	mg/l	0.411 \pm 0.051	<0.15 \pm -	0.123	-	-
pH-value	-	7.58 \pm 0.0328	8 \pm 0.04	0.152	106	4.88
Potassium	mg/l	2.79 \pm 0.0421	2.843 \pm 0.017	0.145	102	0.89
Sodium	mg/l	24.8 \pm 0.253	23.37 \pm 0.065	0.844	94.1	-5.13
Sulfate (as SO ₄)	mg/l	32 \pm 0.308	30.507 \pm 0.052	1.06	95.2	-4.70
Total-P (as PO ₄)	mg/l	2.01 \pm 0.0245	- \pm -	0.151	-	-
Total hardness	mmol/l	2.29 \pm 0.0232	- \pm -	0.0686	-	-
Total nitrogen	mg/l	7.29 \pm 0.23	- \pm -	0.605	-	-

Sample: N180BDOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En- Score
DOC (as C)	mg/l	2.87 \pm 0.0629	- \pm -	0.287	-	-



Sample: N180A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	7.31 \pm 0.0254	7.24 \pm 0.362	0.146	99	-0.48
Ammonium (as NH ₄)	mg/l	0.0867 \pm 0.00322	0.085 \pm 0.0085	0.0104	98	-0.17
Boron	mg/l	0.0592 \pm 0.00162	0.055 \pm 0.00275	0.00652	92.9	-0.65
Calcium	mg/l	168 \pm 1.9	167 \pm 8.35	5.2	99.5	-0.16
Chloride	mg/l	110 \pm 0.63	111 \pm 5.55	4.41	101	0.18
El. conductivity (25°C)	μ S/cm	1170 \pm 4.33	1160 \pm 20	15.3	98.8	-0.91
Hydrogen carbonate	mg/l	445 \pm 1.63	439 \pm 21.95	8.9	98.6	-0.70
Magnesium	mg/l	39.8 \pm 0.541	38.6 \pm 1.93	1.59	97.1	-0.73
Nitrate (as NO ₃)	mg/l	10.1 \pm 0.0896	10.3 \pm 0.515	0.507	102	0.31
Nitrite (as NO ₂)	mg/l	0.0307 \pm 0.00108	0.032 \pm 0.0032	0.00307	104	0.43
Orthophosphate (as PO ₄)	mg/l	0.051 \pm 0.00379	0.045 \pm 0.0045	0.0102	88.2	-0.59
pH-value	-	7.6 \pm 0.0251	7.52 \pm 0.1	0.152	98.9	-0.55
Potassium	mg/l	2.5 \pm 0.0456	2.52 \pm 0.126	0.13	101	0.19
Sodium	mg/l	23.3 \pm 0.188	23.8 \pm 1.19	0.791	102	0.69
Sulfate (as SO ₄)	mg/l	106 \pm 0.947	106 \pm 5.3	3.51	99.6	-0.12
Total-P (as PO ₄)	mg/l	0.145 \pm 0.00263	0.173 \pm 0.0173	0.0109	119	2.54
Total hardness	mmol/l	5.84 \pm 0.0648	5.75 \pm 0.288	0.175	98.5	-0.51
Total nitrogen	mg/l	2.49 \pm 0.0962	2.57 \pm 0.257	0.207	103	0.37

Sample: N180ADOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.55 \pm 0.082	1.76 \pm 0.1408	0.186	113	1.12

Sample: N180B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	3.5 \pm 0.0202	3.42 \pm 0.171	0.0699	97.8	-1.08

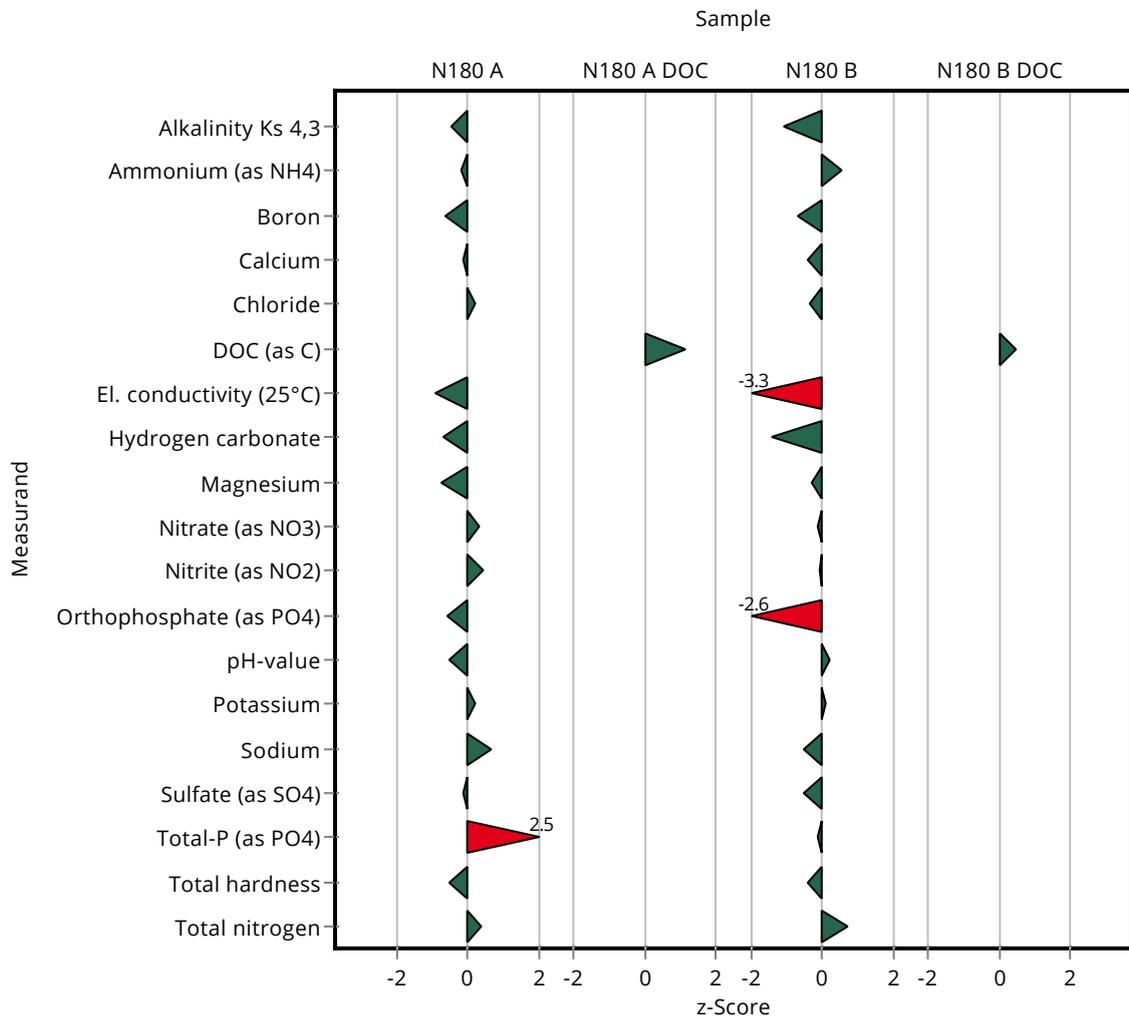
Summary of results Nutrients/Major Ions N180

Labcode: LC0012

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.29 \pm 0.0086	0.31 \pm 0.031	0.0348	107	0.58
Boron	mg/l	0.0162 \pm 0.000839	0.015 \pm 0.00075	0.00179	92.4	-0.69
Calcium	mg/l	65.6 \pm 0.729	64.8 \pm 3.24	2.03	98.7	-0.41
Chloride	mg/l	41.2 \pm 0.375	40.6 \pm 2.03	1.65	98.6	-0.34
El. conductivity (25°C)	μ S/cm	571 \pm 1.88	546 \pm 9	7.42	95.7	-3.31
Hydrogen carbonate	mg/l	211 \pm 1.2	205 \pm 10.25	4.22	97.1	-1.44
Magnesium	mg/l	15.8 \pm 0.174	15.6 \pm 0.78	0.632	98.7	-0.31
Nitrate (as NO ₃)	mg/l	29.5 \pm 0.271	29.4 \pm 1.47	1.48	99.5	-0.10
Nitrite (as NO ₂)	mg/l	0.385 \pm 0.00518	0.384 \pm 0.0384	0.0204	99.6	-0.07
Orthophosphate (as PO ₄)	mg/l	0.411 \pm 0.051	0.093 \pm 0.0093	0.123	22.6	-2.58
pH-value	-	7.58 \pm 0.0328	7.61 \pm 0.1	0.152	100	0.21
Potassium	mg/l	2.79 \pm 0.0421	2.81 \pm 0.1405	0.145	101	0.11
Sodium	mg/l	24.8 \pm 0.253	24.4 \pm 1.22	0.844	98.3	-0.51
Sulfate (as SO ₄)	mg/l	32 \pm 0.308	31.5 \pm 1.575	1.06	98.3	-0.51
Total-P (as PO ₄)	mg/l	2.01 \pm 0.0245	1.99 \pm 0.199	0.151	99.1	-0.12
Total hardness	mmol/l	2.29 \pm 0.0232	2.26 \pm 0.113	0.0686	98.8	-0.41
Total nitrogen	mg/l	7.29 \pm 0.23	7.72 \pm 0.772	0.605	106	0.71

Sample: N180BDOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.87 \pm 0.0629	3 \pm 0.24	0.287	105	0.45



Sample: N180A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	7.31 \pm 0.0254	7.24 \pm 0.362	0.146	99	-0.10
Ammonium (as NH ₄)	mg/l	0.0867 \pm 0.00322	0.085 \pm 0.0085	0.0104	98	-0.10
Boron	mg/l	0.0592 \pm 0.00162	0.055 \pm 0.00275	0.00652	92.9	-0.74
Calcium	mg/l	168 \pm 1.9	167 \pm 8.35	5.2	99.5	-0.05
Chloride	mg/l	110 \pm 0.63	111 \pm 5.55	4.41	101	0.07
El. conductivity (25°C)	μ S/cm	1170 \pm 4.33	1160 \pm 20	15.3	98.8	-0.35
Hydrogen carbonate	mg/l	445 \pm 1.63	439 \pm 21.95	8.9	98.6	-0.14
Magnesium	mg/l	39.8 \pm 0.541	38.6 \pm 1.93	1.59	97.1	-0.30
Nitrate (as NO ₃)	mg/l	10.1 \pm 0.0896	10.3 \pm 0.515	0.507	102	0.15
Nitrite (as NO ₂)	mg/l	0.0307 \pm 0.00108	0.032 \pm 0.0032	0.00307	104	0.21
Orthophosphate (as PO ₄)	mg/l	0.051 \pm 0.00379	0.045 \pm 0.0045	0.0102	88.2	-0.62
pH-value	-	7.6 \pm 0.0251	7.52 \pm 0.1	0.152	98.9	-0.42
Potassium	mg/l	2.5 \pm 0.0456	2.52 \pm 0.126	0.13	101	0.10
Sodium	mg/l	23.3 \pm 0.188	23.8 \pm 1.19	0.791	102	0.23
Sulfate (as SO ₄)	mg/l	106 \pm 0.947	106 \pm 5.3	3.51	99.6	-0.04
Total-P (as PO ₄)	mg/l	0.145 \pm 0.00263	0.173 \pm 0.0173	0.0109	119	0.80
Total hardness	mmol/l	5.84 \pm 0.0648	5.75 \pm 0.288	0.175	98.5	-0.15
Total nitrogen	mg/l	2.49 \pm 0.0962	2.57 \pm 0.257	0.207	103	0.15

Sample: N180ADOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.55 \pm 0.082	1.76 \pm 0.1408	0.186	113	0.71

Sample: N180B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	3.5 \pm 0.0202	3.42 \pm 0.171	0.0699	97.8	-0.22

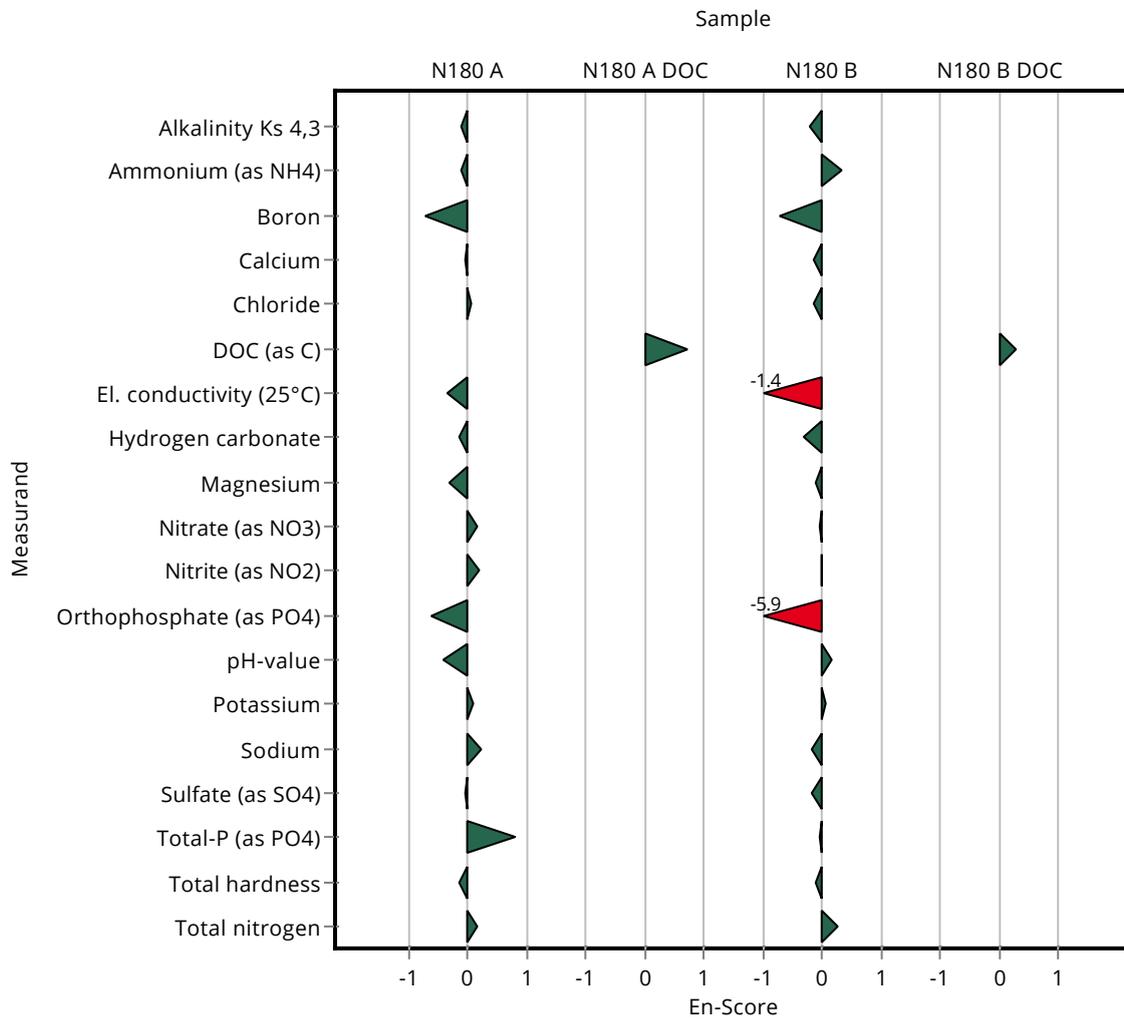
Summary of results Nutrients/Major Ions N180 - En-Score

Labcode: LC0012

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.29 \pm 0.0086	0.31 \pm 0.031	0.0348	107	0.32
Boron	mg/l	0.0162 \pm 0.000839	0.015 \pm 0.00075	0.00179	92.4	-0.72
Calcium	mg/l	65.6 \pm 0.729	64.8 \pm 3.24	2.03	98.7	-0.13
Chloride	mg/l	41.2 \pm 0.375	40.6 \pm 2.03	1.65	98.6	-0.14
El. conductivity (25°C)	μ S/cm	571 \pm 1.88	546 \pm 9	7.42	95.7	-1.36
Hydrogen carbonate	mg/l	211 \pm 1.2	205 \pm 10.25	4.22	97.1	-0.30
Magnesium	mg/l	15.8 \pm 0.174	15.6 \pm 0.78	0.632	98.7	-0.13
Nitrate (as NO ₃)	mg/l	29.5 \pm 0.271	29.4 \pm 1.47	1.48	99.5	-0.05
Nitrite (as NO ₂)	mg/l	0.385 \pm 0.00518	0.384 \pm 0.0384	0.0204	99.6	-0.02
Orthophosphate (as PO ₄)	mg/l	0.411 \pm 0.051	0.093 \pm 0.0093	0.123	22.6	-5.86
pH-value	-	7.58 \pm 0.0328	7.61 \pm 0.1	0.152	100	0.16
Potassium	mg/l	2.79 \pm 0.0421	2.81 \pm 0.1405	0.145	101	0.05
Sodium	mg/l	24.8 \pm 0.253	24.4 \pm 1.22	0.844	98.3	-0.18
Sulfate (as SO ₄)	mg/l	32 \pm 0.308	31.5 \pm 1.575	1.06	98.3	-0.17
Total-P (as PO ₄)	mg/l	2.01 \pm 0.0245	1.99 \pm 0.199	0.151	99.1	-0.04
Total hardness	mmol/l	2.29 \pm 0.0232	2.26 \pm 0.113	0.0686	98.8	-0.12
Total nitrogen	mg/l	7.29 \pm 0.23	7.72 \pm 0.772	0.605	106	0.28

Sample: N180BDOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	2.87 \pm 0.0629	3 \pm 0.24	0.287	105	0.27



Sample: N180A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	7.31 \pm 0.0254	- \pm -	0.146	-	-
Ammonium (as NH ₄)	mg/l	0.0867 \pm 0.00322	0.094 \pm 0.014	0.0104	108	0.70
Boron	mg/l	0.0592 \pm 0.00162	0.0602 \pm 0.009	0.00652	102	0.15
Calcium	mg/l	168 \pm 1.9	163 \pm 16.3	5.2	97.1	-0.92
Chloride	mg/l	110 \pm 0.63	111 \pm 11.1	4.41	101	0.18
El. conductivity (25°C)	μ S/cm	1170 \pm 4.33	1184 \pm 15	15.3	101	0.66
Hydrogen carbonate	mg/l	445 \pm 1.63	- \pm -	8.9	-	-
Magnesium	mg/l	39.8 \pm 0.541	41 \pm 2.1	1.59	103	0.77
Nitrate (as NO ₃)	mg/l	10.1 \pm 0.0896	10 \pm 1.5	0.507	98.6	-0.29
Nitrite (as NO ₂)	mg/l	0.0307 \pm 0.00108	0.026 \pm 0.0026	0.00307	84.8	-1.52
Orthophosphate (as PO ₄)	mg/l	0.051 \pm 0.00379	0.025 \pm 0.0025	0.0102	49	-2.55
pH-value	-	7.6 \pm 0.0251	7.62 \pm 0.15	0.152	100	0.10
Potassium	mg/l	2.5 \pm 0.0456	2.33 \pm 0.35	0.13	93.4	-1.27
Sodium	mg/l	23.3 \pm 0.188	23.2 \pm 3.5	0.791	99.8	-0.07
Sulfate (as SO ₄)	mg/l	106 \pm 0.947	107 \pm 21	3.51	101	0.16
Total-P (as PO ₄)	mg/l	0.145 \pm 0.00263	0.147 \pm 0.0147	0.0109	101	0.16
Total hardness	mmol/l	5.84 \pm 0.0648	5.77 \pm 0.58	0.175	98.8	-0.39
Total nitrogen	mg/l	2.49 \pm 0.0962	2.57 \pm 0.13	0.207	103	0.37

Sample: N180ADOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.55 \pm 0.082	1.42 \pm 0.14	0.186	91.5	-0.71

Sample: N180B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	3.5 \pm 0.0202	- \pm -	0.0699	-	-

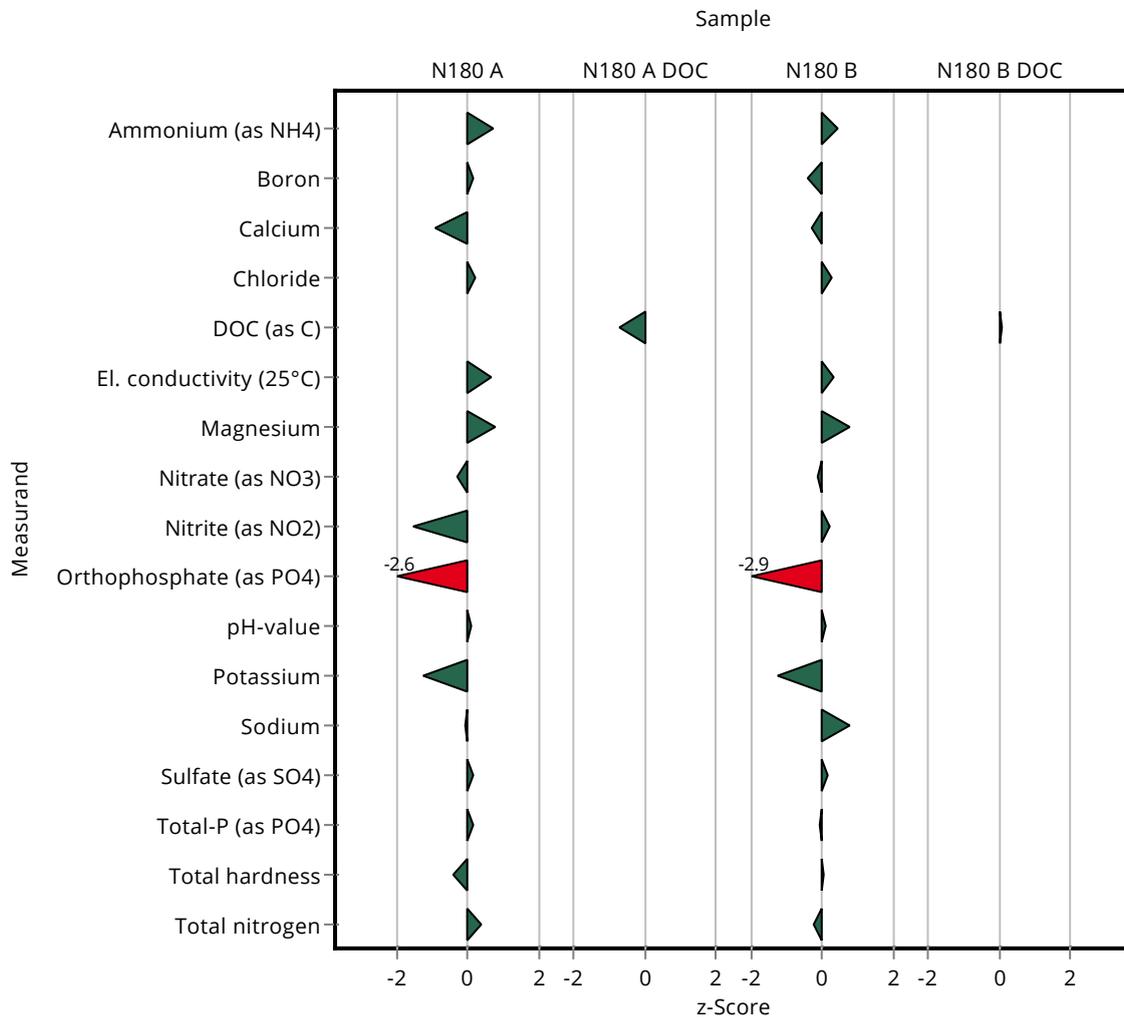
Summary of results Nutrients/Major Ions N180

Labcode: LC0013

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.29 \pm 0.0086	0.306 \pm 0.046	0.0348	106	0.46
Boron	mg/l	0.0162 \pm 0.000839	0.0155 \pm 0.0024	0.00179	95.5	-0.41
Calcium	mg/l	65.6 \pm 0.729	65 \pm 6.5	2.03	99	-0.31
Chloride	mg/l	41.2 \pm 0.375	41.6 \pm 4.16	1.65	101	0.27
El. conductivity (25°C)	μ S/cm	571 \pm 1.88	573 \pm 10	7.42	100	0.33
Hydrogen carbonate	mg/l	211 \pm 1.2	- \pm -	4.22	-	-
Magnesium	mg/l	15.8 \pm 0.174	16.3 \pm 0.8	0.632	103	0.80
Nitrate (as NO ₃)	mg/l	29.5 \pm 0.271	29.35 \pm 4.4	1.48	99.3	-0.13
Nitrite (as NO ₂)	mg/l	0.385 \pm 0.00518	0.39 \pm 0.039	0.0204	101	0.22
Orthophosphate (as PO ₄)	mg/l	0.411 \pm 0.051	0.049 \pm 0.005	0.123	11.9	-2.94
pH-value	-	7.58 \pm 0.0328	7.59 \pm 0.15	0.152	100	0.08
Potassium	mg/l	2.79 \pm 0.0421	2.61 \pm 0.39	0.145	93.4	-1.27
Sodium	mg/l	24.8 \pm 0.253	25.5 \pm 3.8	0.844	103	0.79
Sulfate (as SO ₄)	mg/l	32 \pm 0.308	32.2 \pm 6.44	1.06	101	0.16
Total-P (as PO ₄)	mg/l	2.01 \pm 0.0245	2 \pm 0.2	0.151	99.6	-0.05
Total hardness	mmol/l	2.29 \pm 0.0232	2.29 \pm 0.23	0.0686	100	0.03
Total nitrogen	mg/l	7.29 \pm 0.23	7.16 \pm 0.36	0.605	98.2	-0.21

Sample: N180BDOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.87 \pm 0.0629	2.89 \pm 0.29	0.287	101	0.07



Sample: N180A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	7.31 \pm 0.0254	- \pm -	0.146	-	-
Ammonium (as NH ₄)	mg/l	0.0867 \pm 0.00322	0.094 \pm 0.014	0.0104	108	0.26
Boron	mg/l	0.0592 \pm 0.00162	0.0602 \pm 0.009	0.00652	102	0.05
Calcium	mg/l	168 \pm 1.9	163 \pm 16.3	5.2	97.1	-0.15
Chloride	mg/l	110 \pm 0.63	111 \pm 11.1	4.41	101	0.04
El. conductivity (25°C)	μ S/cm	1170 \pm 4.33	1184 \pm 15	15.3	101	0.33
Hydrogen carbonate	mg/l	445 \pm 1.63	- \pm -	8.9	-	-
Magnesium	mg/l	39.8 \pm 0.541	41 \pm 2.1	1.59	103	0.29
Nitrate (as NO ₃)	mg/l	10.1 \pm 0.0896	10 \pm 1.5	0.507	98.6	-0.05
Nitrite (as NO ₂)	mg/l	0.0307 \pm 0.00108	0.026 \pm 0.0026	0.00307	84.8	-0.88
Orthophosphate (as PO ₄)	mg/l	0.051 \pm 0.00379	0.025 \pm 0.0025	0.0102	49	-4.15
pH-value	-	7.6 \pm 0.0251	7.62 \pm 0.15	0.152	100	0.05
Potassium	mg/l	2.5 \pm 0.0456	2.33 \pm 0.35	0.13	93.4	-0.24
Sodium	mg/l	23.3 \pm 0.188	23.2 \pm 3.5	0.791	99.8	-0.01
Sulfate (as SO ₄)	mg/l	106 \pm 0.947	107 \pm 21	3.51	101	0.01
Total-P (as PO ₄)	mg/l	0.145 \pm 0.00263	0.147 \pm 0.0147	0.0109	101	0.06
Total hardness	mmol/l	5.84 \pm 0.0648	5.77 \pm 0.58	0.175	98.8	-0.06
Total nitrogen	mg/l	2.49 \pm 0.0962	2.57 \pm 0.13	0.207	103	0.27

Sample: N180ADOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.55 \pm 0.082	1.42 \pm 0.14	0.186	91.5	-0.45

Sample: N180B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	3.5 \pm 0.0202	- \pm -	0.0699	-	-

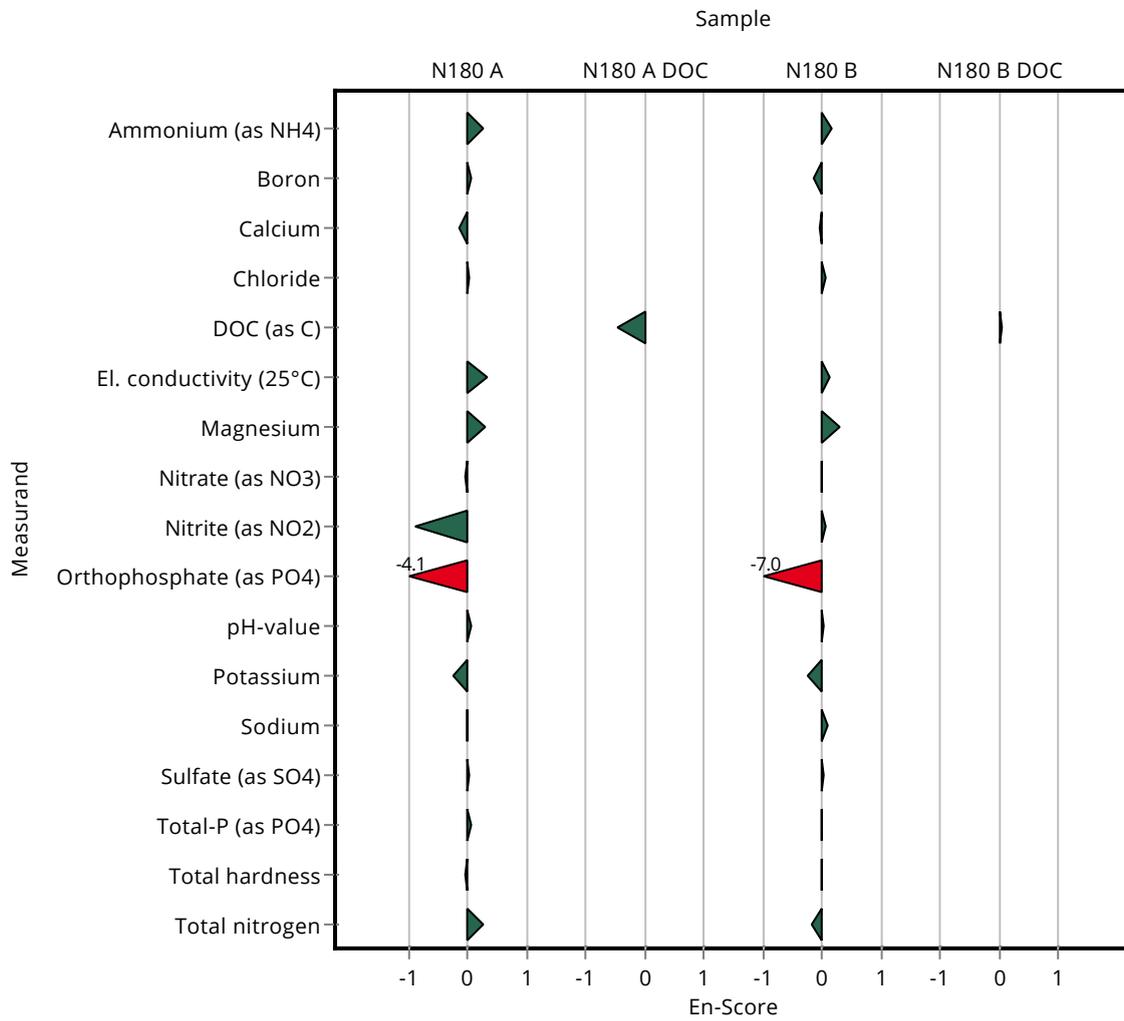
Summary of results Nutrients/Major Ions N180 - En-Score

Labcode: LC0013

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.29 \pm 0.0086	0.306 \pm 0.046	0.0348	106	0.17
Boron	mg/l	0.0162 \pm 0.000839	0.0155 \pm 0.0024	0.00179	95.5	-0.15
Calcium	mg/l	65.6 \pm 0.729	65 \pm 6.5	2.03	99	-0.05
Chloride	mg/l	41.2 \pm 0.375	41.6 \pm 4.16	1.65	101	0.05
El. conductivity (25°C)	μ S/cm	571 \pm 1.88	573 \pm 10	7.42	100	0.12
Hydrogen carbonate	mg/l	211 \pm 1.2	- \pm -	4.22	-	-
Magnesium	mg/l	15.8 \pm 0.174	16.3 \pm 0.8	0.632	103	0.31
Nitrate (as NO ₃)	mg/l	29.5 \pm 0.271	29.35 \pm 4.4	1.48	99.3	-0.02
Nitrite (as NO ₂)	mg/l	0.385 \pm 0.00518	0.39 \pm 0.039	0.0204	101	0.06
Orthophosphate (as PO ₄)	mg/l	0.411 \pm 0.051	0.049 \pm 0.005	0.123	11.9	-6.97
pH-value	-	7.58 \pm 0.0328	7.59 \pm 0.15	0.152	100	0.04
Potassium	mg/l	2.79 \pm 0.0421	2.61 \pm 0.39	0.145	93.4	-0.24
Sodium	mg/l	24.8 \pm 0.253	25.5 \pm 3.8	0.844	103	0.09
Sulfate (as SO ₄)	mg/l	32 \pm 0.308	32.2 \pm 6.44	1.06	101	0.01
Total-P (as PO ₄)	mg/l	2.01 \pm 0.0245	2 \pm 0.2	0.151	99.6	-0.02
Total hardness	mmol/l	2.29 \pm 0.0232	2.29 \pm 0.23	0.0686	100	0.00
Total nitrogen	mg/l	7.29 \pm 0.23	7.16 \pm 0.36	0.605	98.2	-0.17

Sample: N180BDOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	2.87 \pm 0.0629	2.89 \pm 0.29	0.287	101	0.03



Sample: N180A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	7.31 \pm 0.0254	- \pm -	0.146	-	-
Ammonium (as NH ₄)	mg/l	0.0867 \pm 0.00322	- \pm -	0.0104	-	-
Boron	mg/l	0.0592 \pm 0.00162	- \pm -	0.00652	-	-
Calcium	mg/l	168 \pm 1.9	- \pm -	5.2	-	-
Chloride	mg/l	110 \pm 0.63	- \pm -	4.41	-	-
El. conductivity (25°C)	μ S/cm	1170 \pm 4.33	- \pm -	15.3	-	-
Hydrogen carbonate	mg/l	445 \pm 1.63	- \pm -	8.9	-	-
Magnesium	mg/l	39.8 \pm 0.541	- \pm -	1.59	-	-
Nitrate (as NO ₃)	mg/l	10.1 \pm 0.0896	- \pm -	0.507	-	-
Nitrite (as NO ₂)	mg/l	0.0307 \pm 0.00108	- \pm -	0.00307	-	-
Orthophosphate (as PO ₄)	mg/l	0.051 \pm 0.00379	- \pm -	0.0102	-	-
pH-value	-	7.6 \pm 0.0251	- \pm -	0.152	-	-
Potassium	mg/l	2.5 \pm 0.0456	- \pm -	0.13	-	-
Sodium	mg/l	23.3 \pm 0.188	- \pm -	0.791	-	-
Sulfate (as SO ₄)	mg/l	106 \pm 0.947	- \pm -	3.51	-	-
Total-P (as PO ₄)	mg/l	0.145 \pm 0.00263	- \pm -	0.0109	-	-
Total hardness	mmol/l	5.84 \pm 0.0648	- \pm -	0.175	-	-
Total nitrogen	mg/l	2.49 \pm 0.0962	- \pm -	0.207	-	-

Sample: N180ADOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.55 \pm 0.082	- \pm -	0.186	-	-

Sample: N180B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	3.5 \pm 0.0202	3.73 \pm 0.149	0.0699	107	3.36

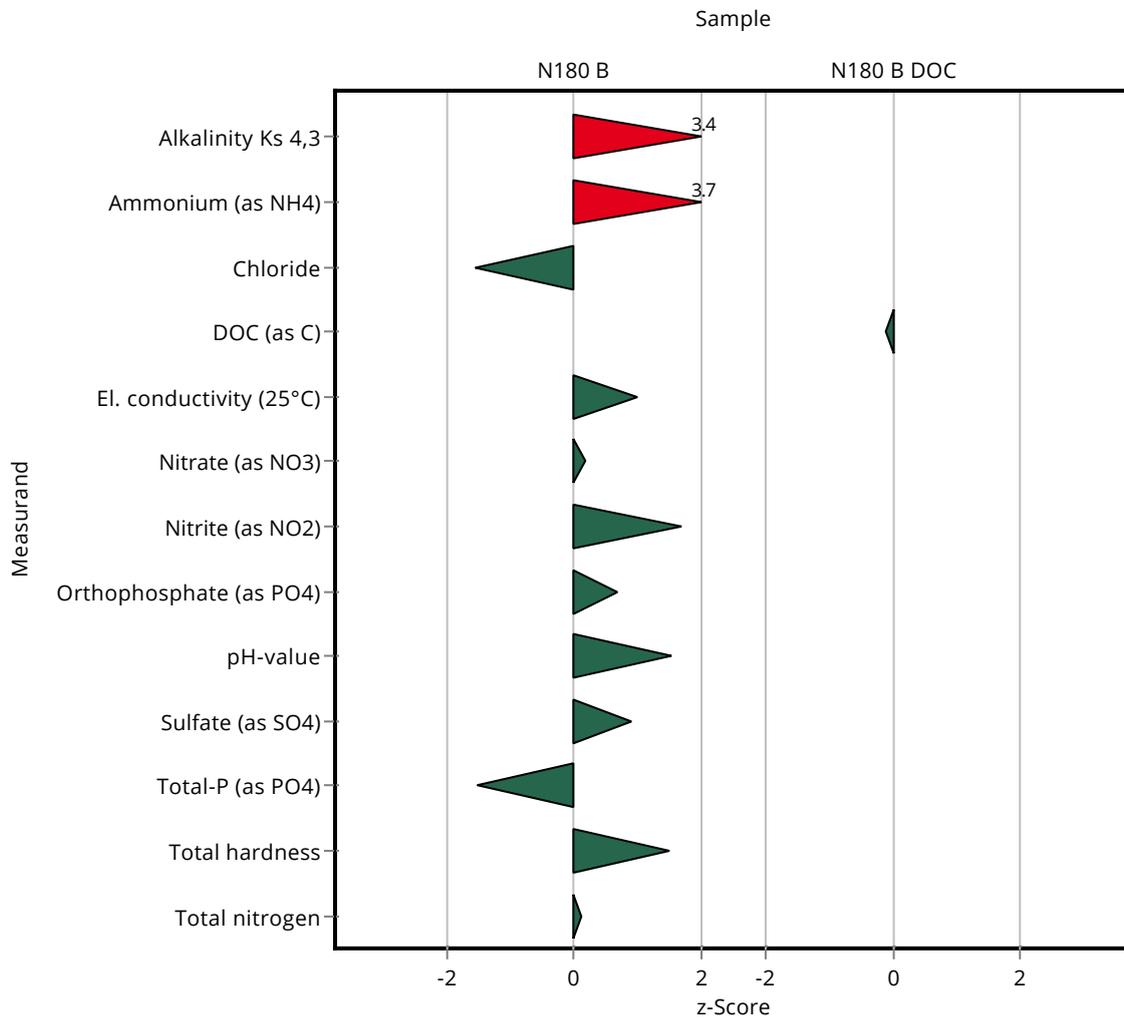
Summary of results Nutrients/Major Ions N180

Labcode: LC0014

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.29 \pm 0.0086	0.417 \pm 0.088	0.0348	144	3.65
Boron	mg/l	0.0162 \pm 0.000839	- \pm -	0.00179	-	-
Calcium	mg/l	65.6 \pm 0.729	- \pm -	2.03	-	-
Chloride	mg/l	41.2 \pm 0.375	38.6 \pm 3.09	1.65	93.8	-1.56
El. conductivity (25°C)	μ S/cm	571 \pm 1.88	578 \pm 8.09	7.42	101	1.00
Hydrogen carbonate	mg/l	211 \pm 1.2	- \pm -	4.22	-	-
Magnesium	mg/l	15.8 \pm 0.174	- \pm -	0.632	-	-
Nitrate (as NO ₃)	mg/l	29.5 \pm 0.271	29.8 \pm 2.38	1.48	101	0.17
Nitrite (as NO ₂)	mg/l	0.385 \pm 0.00518	0.42 \pm 0.029	0.0204	109	1.69
Orthophosphate (as PO ₄)	mg/l	0.411 \pm 0.051	0.494 \pm 0.12	0.123	120	0.67
pH-value	-	7.58 \pm 0.0328	7.81 \pm 0.045	0.152	103	1.53
Potassium	mg/l	2.79 \pm 0.0421	- \pm -	0.145	-	-
Sodium	mg/l	24.8 \pm 0.253	- \pm -	0.844	-	-
Sulfate (as SO ₄)	mg/l	32 \pm 0.308	33 \pm 2.64	1.06	103	0.91
Total-P (as PO ₄)	mg/l	2.01 \pm 0.0245	1.78 \pm 0.258	0.151	88.7	-1.51
Total hardness	mmol/l	2.29 \pm 0.0232	2.39 \pm 0.068	0.0686	104	1.49
Total nitrogen	mg/l	7.29 \pm 0.23	7.35 \pm 0.287	0.605	101	0.10

Sample: N180BDOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.87 \pm 0.0629	2.84 \pm 0.199	0.287	98.9	-0.11



Sample: N180A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	7.31 \pm 0.0254	- \pm -	0.146	-	-
Ammonium (as NH ₄)	mg/l	0.0867 \pm 0.00322	- \pm -	0.0104	-	-
Boron	mg/l	0.0592 \pm 0.00162	- \pm -	0.00652	-	-
Calcium	mg/l	168 \pm 1.9	- \pm -	5.2	-	-
Chloride	mg/l	110 \pm 0.63	- \pm -	4.41	-	-
El. conductivity (25°C)	μ S/cm	1170 \pm 4.33	- \pm -	15.3	-	-
Hydrogen carbonate	mg/l	445 \pm 1.63	- \pm -	8.9	-	-
Magnesium	mg/l	39.8 \pm 0.541	- \pm -	1.59	-	-
Nitrate (as NO ₃)	mg/l	10.1 \pm 0.0896	- \pm -	0.507	-	-
Nitrite (as NO ₂)	mg/l	0.0307 \pm 0.00108	- \pm -	0.00307	-	-
Orthophosphate (as PO ₄)	mg/l	0.051 \pm 0.00379	- \pm -	0.0102	-	-
pH-value	-	7.6 \pm 0.0251	- \pm -	0.152	-	-
Potassium	mg/l	2.5 \pm 0.0456	- \pm -	0.13	-	-
Sodium	mg/l	23.3 \pm 0.188	- \pm -	0.791	-	-
Sulfate (as SO ₄)	mg/l	106 \pm 0.947	- \pm -	3.51	-	-
Total-P (as PO ₄)	mg/l	0.145 \pm 0.00263	- \pm -	0.0109	-	-
Total hardness	mmol/l	5.84 \pm 0.0648	- \pm -	0.175	-	-
Total nitrogen	mg/l	2.49 \pm 0.0962	- \pm -	0.207	-	-

Sample: N180ADOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.55 \pm 0.082	- \pm -	0.186	-	-

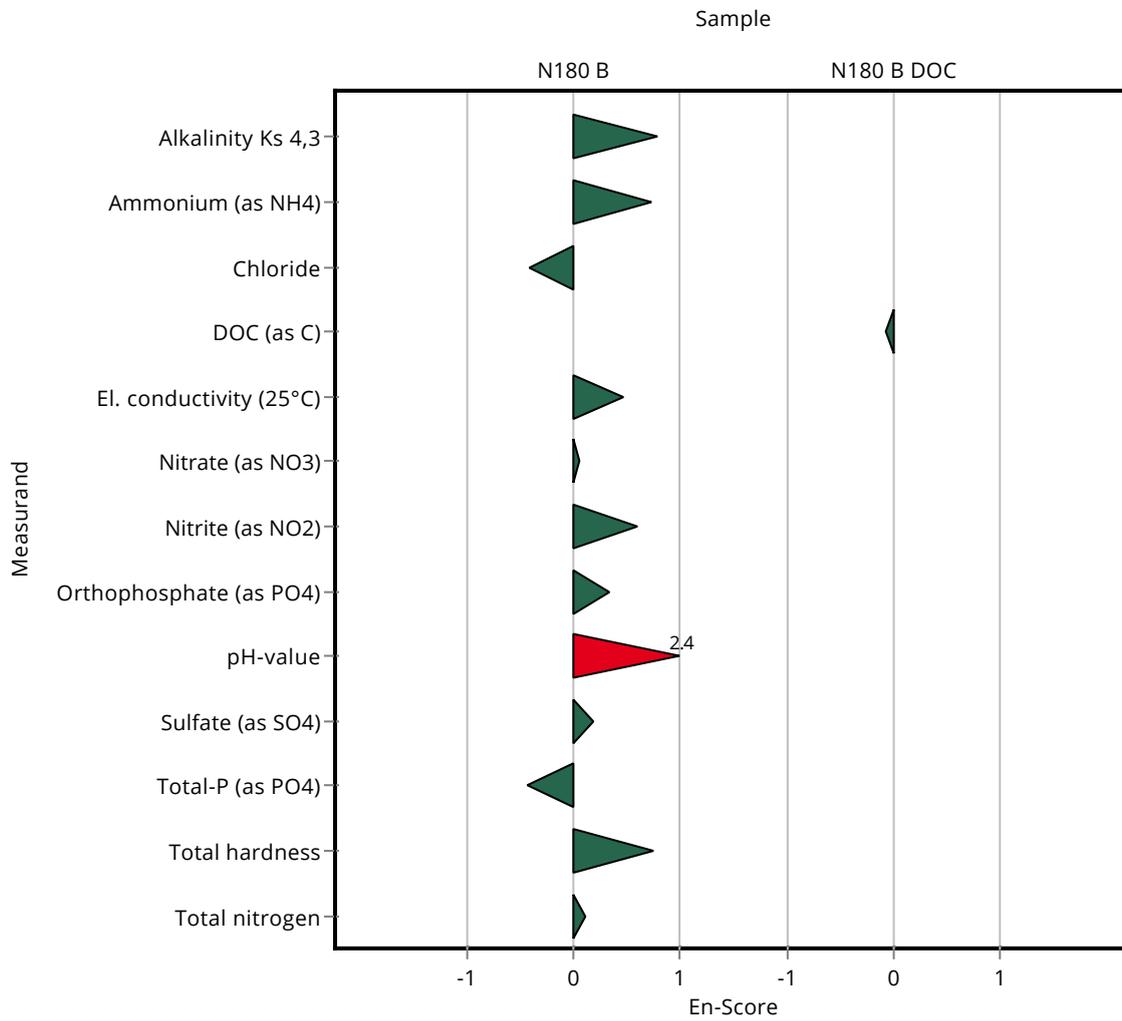
Sample: N180B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	3.5 \pm 0.0202	3.73 \pm 0.149	0.0699	107	0.79

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.29 \pm 0.0086	0.417 \pm 0.088	0.0348	144	0.72
Boron	mg/l	0.0162 \pm 0.000839	- \pm -	0.00179	-	-
Calcium	mg/l	65.6 \pm 0.729	- \pm -	2.03	-	-
Chloride	mg/l	41.2 \pm 0.375	38.6 \pm 3.09	1.65	93.8	-0.41
El. conductivity (25°C)	μ S/cm	571 \pm 1.88	578 \pm 8.09	7.42	101	0.46
Hydrogen carbonate	mg/l	211 \pm 1.2	- \pm -	4.22	-	-
Magnesium	mg/l	15.8 \pm 0.174	- \pm -	0.632	-	-
Nitrate (as NO ₃)	mg/l	29.5 \pm 0.271	29.8 \pm 2.38	1.48	101	0.05
Nitrite (as NO ₂)	mg/l	0.385 \pm 0.00518	0.42 \pm 0.029	0.0204	109	0.59
Orthophosphate (as PO ₄)	mg/l	0.411 \pm 0.051	0.494 \pm 0.12	0.123	120	0.34
pH-value	-	7.58 \pm 0.0328	7.81 \pm 0.045	0.152	103	2.42
Potassium	mg/l	2.79 \pm 0.0421	- \pm -	0.145	-	-
Sodium	mg/l	24.8 \pm 0.253	- \pm -	0.844	-	-
Sulfate (as SO ₄)	mg/l	32 \pm 0.308	33 \pm 2.64	1.06	103	0.18
Total-P (as PO ₄)	mg/l	2.01 \pm 0.0245	1.78 \pm 0.258	0.151	88.7	-0.44
Total hardness	mmol/l	2.29 \pm 0.0232	2.39 \pm 0.068	0.0686	104	0.74
Total nitrogen	mg/l	7.29 \pm 0.23	7.35 \pm 0.287	0.605	101	0.10

Sample: N180BDOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	2.87 \pm 0.0629	2.84 \pm 0.199	0.287	98.9	-0.08



Sample: N180A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	7.31 \pm 0.0254	7.36 \pm 1.5	0.146	101	0.34
Ammonium (as NH ₄)	mg/l	0.0867 \pm 0.00322	0.073 \pm 0.004	0.0104	84.2	-1.32
Boron	mg/l	0.0592 \pm 0.00162	0.062 \pm 0.005	0.00652	105	0.43
Calcium	mg/l	168 \pm 1.9	166 \pm 6.3	5.2	98.9	-0.35
Chloride	mg/l	110 \pm 0.63	- \pm -	4.41	-	-
El. conductivity (25°C)	μ S/cm	1170 \pm 4.33	- \pm -	15.3	-	-
Hydrogen carbonate	mg/l	445 \pm 1.63	- \pm -	8.9	-	-
Magnesium	mg/l	39.8 \pm 0.541	38.6 \pm 1.8	1.59	97.1	-0.73
Nitrate (as NO ₃)	mg/l	10.1 \pm 0.0896	- \pm -	0.507	-	-
Nitrite (as NO ₂)	mg/l	0.0307 \pm 0.00108	- \pm -	0.00307	-	-
Orthophosphate (as PO ₄)	mg/l	0.051 \pm 0.00379	- \pm -	0.0102	-	-
pH-value	-	7.6 \pm 0.0251	- \pm -	0.152	-	-
Potassium	mg/l	2.5 \pm 0.0456	2.92 \pm 0.15	0.13	117	3.27
Sodium	mg/l	23.3 \pm 0.188	22.9 \pm 1.3	0.791	98.5	-0.45
Sulfate (as SO ₄)	mg/l	106 \pm 0.947	- \pm -	3.51	-	-
Total-P (as PO ₄)	mg/l	0.145 \pm 0.00263	0.102 \pm 0.003	0.0109	70.2	-3.97
Total hardness	mmol/l	5.84 \pm 0.0648	- \pm -	0.175	-	-
Total nitrogen	mg/l	2.49 \pm 0.0962	- \pm -	0.207	-	-

Sample: N180ADOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.55 \pm 0.082	- \pm -	0.186	-	-

Sample: N180B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	3.5 \pm 0.0202	3.52 \pm 0.7	0.0699	101	0.35

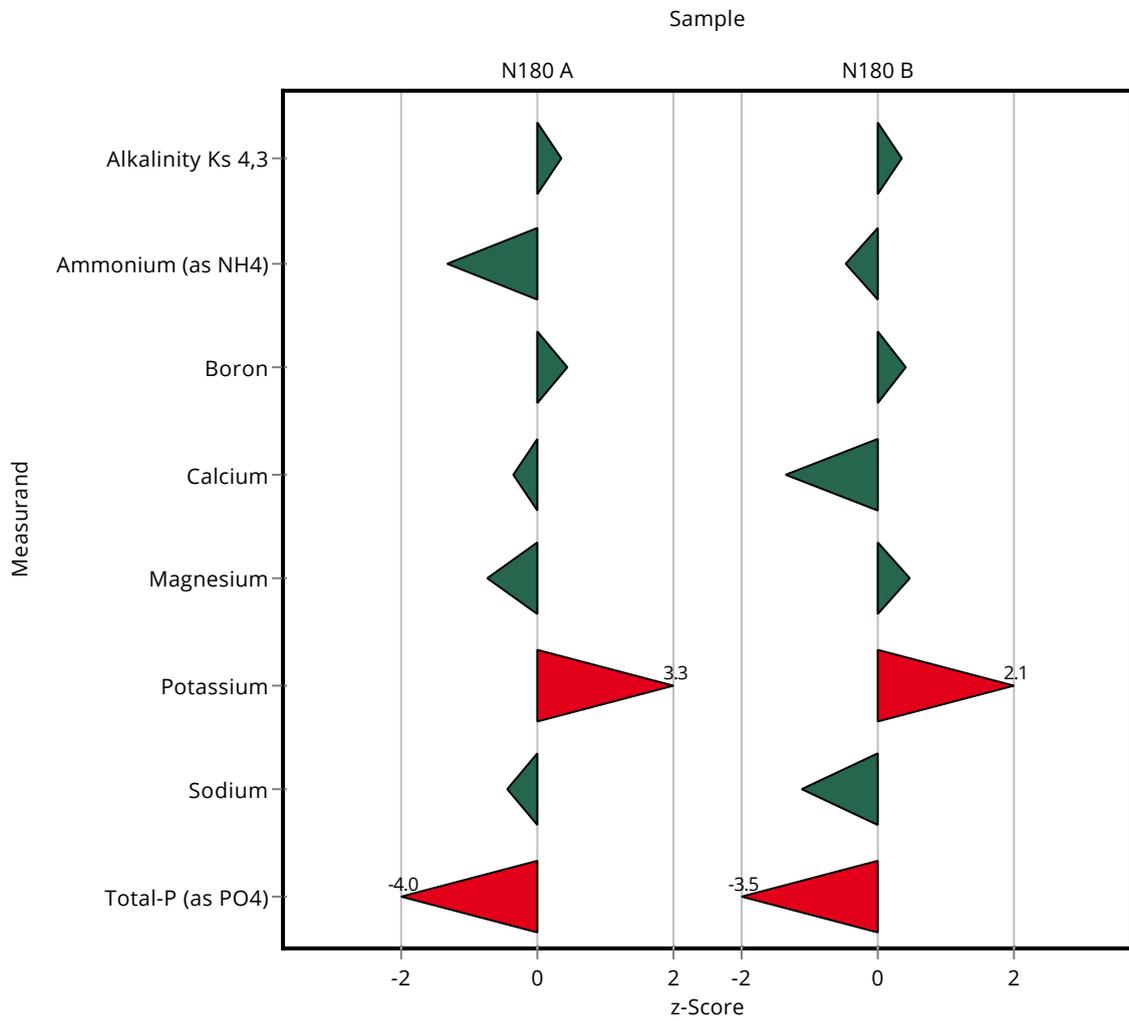
Summary of results Nutrients/Major Ions N180

Labcode: LC0015

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.29 \pm 0.0086	0.274 \pm 0.016	0.0348	94.5	-0.46
Boron	mg/l	0.0162 \pm 0.000839	0.017 \pm 0.001	0.00179	105	0.43
Calcium	mg/l	65.6 \pm 0.729	62.9 \pm 2.4	2.03	95.8	-1.35
Chloride	mg/l	41.2 \pm 0.375	- \pm -	1.65	-	-
El. conductivity (25°C)	μ S/cm	571 \pm 1.88	- \pm -	7.42	-	-
Hydrogen carbonate	mg/l	211 \pm 1.2	- \pm -	4.22	-	-
Magnesium	mg/l	15.8 \pm 0.174	16.1 \pm 0.75	0.632	102	0.48
Nitrate (as NO ₃)	mg/l	29.5 \pm 0.271	- \pm -	1.48	-	-
Nitrite (as NO ₂)	mg/l	0.385 \pm 0.00518	- \pm -	0.0204	-	-
Orthophosphate (as PO ₄)	mg/l	0.411 \pm 0.051	- \pm -	0.123	-	-
pH-value	-	7.58 \pm 0.0328	- \pm -	0.152	-	-
Potassium	mg/l	2.79 \pm 0.0421	3.1 \pm 0.16	0.145	111	2.10
Sodium	mg/l	24.8 \pm 0.253	23.9 \pm 1.3	0.844	96.3	-1.10
Sulfate (as SO ₄)	mg/l	32 \pm 0.308	- \pm -	1.06	-	-
Total-P (as PO ₄)	mg/l	2.01 \pm 0.0245	1.48 \pm 0.041	0.151	73.7	-3.50
Total hardness	mmol/l	2.29 \pm 0.0232	- \pm -	0.0686	-	-
Total nitrogen	mg/l	7.29 \pm 0.23	- \pm -	0.605	-	-

Sample: N180BDOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.87 \pm 0.0629	- \pm -	0.287	-	-



Sample: N180A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	7.31 \pm 0.0254	7.36 \pm 1.5	0.146	101	0.02
Ammonium (as NH ₄)	mg/l	0.0867 \pm 0.00322	0.073 \pm 0.004	0.0104	84.2	-1.59
Boron	mg/l	0.0592 \pm 0.00162	0.062 \pm 0.005	0.00652	105	0.27
Calcium	mg/l	168 \pm 1.9	166 \pm 6.3	5.2	98.9	-0.14
Chloride	mg/l	110 \pm 0.63	- \pm -	4.41	-	-
El. conductivity (25°C)	μ S/cm	1170 \pm 4.33	- \pm -	15.3	-	-
Hydrogen carbonate	mg/l	445 \pm 1.63	- \pm -	8.9	-	-
Magnesium	mg/l	39.8 \pm 0.541	38.6 \pm 1.8	1.59	97.1	-0.32
Nitrate (as NO ₃)	mg/l	10.1 \pm 0.0896	- \pm -	0.507	-	-
Nitrite (as NO ₂)	mg/l	0.0307 \pm 0.00108	- \pm -	0.00307	-	-
Orthophosphate (as PO ₄)	mg/l	0.051 \pm 0.00379	- \pm -	0.0102	-	-
pH-value	-	7.6 \pm 0.0251	- \pm -	0.152	-	-
Potassium	mg/l	2.5 \pm 0.0456	2.92 \pm 0.15	0.13	117	1.40
Sodium	mg/l	23.3 \pm 0.188	22.9 \pm 1.3	0.791	98.5	-0.14
Sulfate (as SO ₄)	mg/l	106 \pm 0.947	- \pm -	3.51	-	-
Total-P (as PO ₄)	mg/l	0.145 \pm 0.00263	0.102 \pm 0.003	0.0109	70.2	-6.61
Total hardness	mmol/l	5.84 \pm 0.0648	- \pm -	0.175	-	-
Total nitrogen	mg/l	2.49 \pm 0.0962	- \pm -	0.207	-	-

Sample: N180ADOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.55 \pm 0.082	- \pm -	0.186	-	-

Sample: N180B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	3.5 \pm 0.0202	3.52 \pm 0.7	0.0699	101	0.02

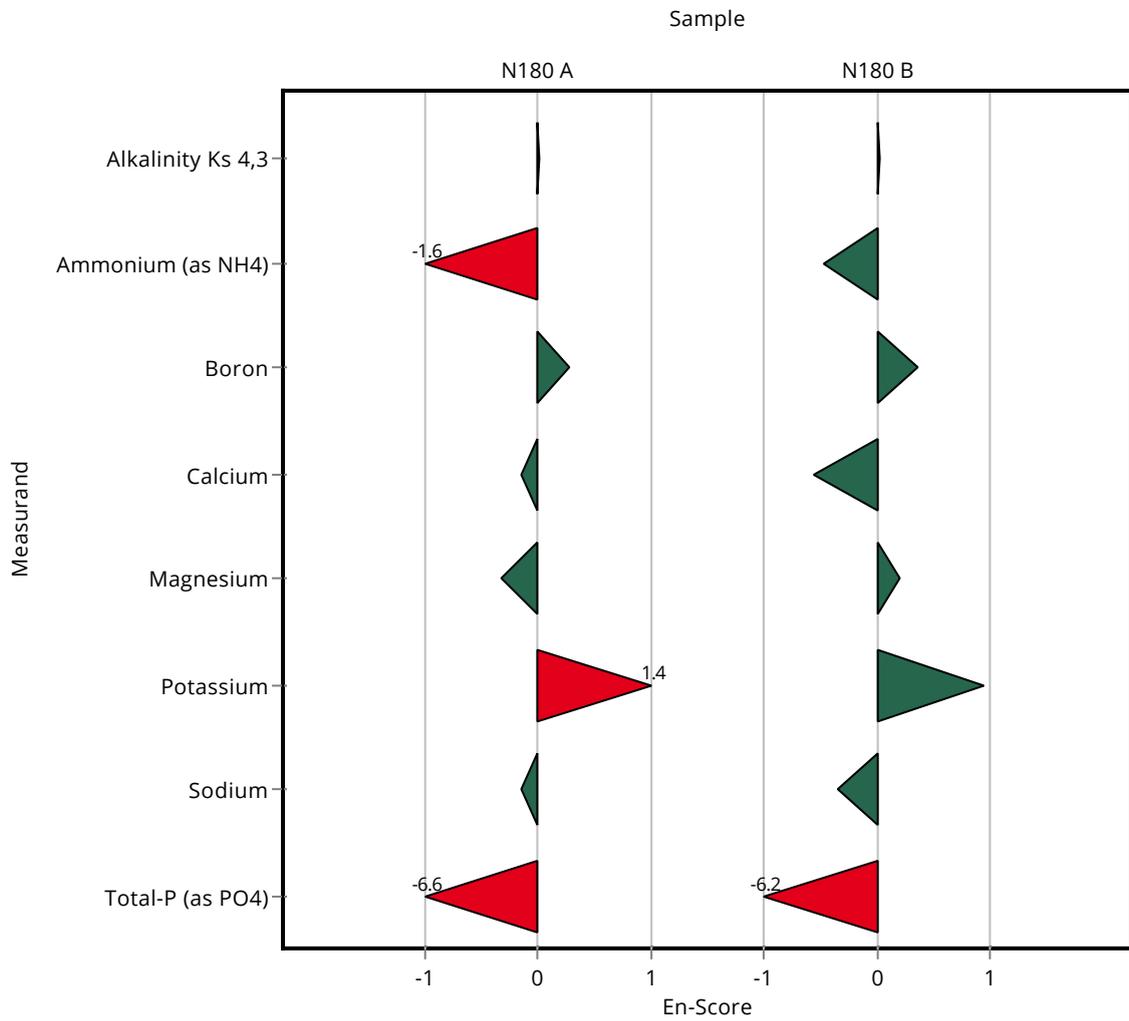
Summary of results Nutrients/Major Ions N180 - En-Score

Labcode: LC0015

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.29 \pm 0.0086	0.274 \pm 0.016	0.0348	94.5	-0.48
Boron	mg/l	0.0162 \pm 0.000839	0.017 \pm 0.001	0.00179	105	0.35
Calcium	mg/l	65.6 \pm 0.729	62.9 \pm 2.4	2.03	95.8	-0.56
Chloride	mg/l	41.2 \pm 0.375	- \pm -	1.65	-	-
El. conductivity (25°C)	μ S/cm	571 \pm 1.88	- \pm -	7.42	-	-
Hydrogen carbonate	mg/l	211 \pm 1.2	- \pm -	4.22	-	-
Magnesium	mg/l	15.8 \pm 0.174	16.1 \pm 0.75	0.632	102	0.20
Nitrate (as NO ₃)	mg/l	29.5 \pm 0.271	- \pm -	1.48	-	-
Nitrite (as NO ₂)	mg/l	0.385 \pm 0.00518	- \pm -	0.0204	-	-
Orthophosphate (as PO ₄)	mg/l	0.411 \pm 0.051	- \pm -	0.123	-	-
pH-value	-	7.58 \pm 0.0328	- \pm -	0.152	-	-
Potassium	mg/l	2.79 \pm 0.0421	3.1 \pm 0.16	0.145	111	0.95
Sodium	mg/l	24.8 \pm 0.253	23.9 \pm 1.3	0.844	96.3	-0.36
Sulfate (as SO ₄)	mg/l	32 \pm 0.308	- \pm -	1.06	-	-
Total-P (as PO ₄)	mg/l	2.01 \pm 0.0245	1.48 \pm 0.041	0.151	73.7	-6.16
Total hardness	mmol/l	2.29 \pm 0.0232	- \pm -	0.0686	-	-
Total nitrogen	mg/l	7.29 \pm 0.23	- \pm -	0.605	-	-

Sample: N180BDOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	2.87 \pm 0.0629	- \pm -	0.287	-	-



Sample: N180A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	7.31 \pm 0.0254	7.64 \pm 0.22	0.146	105	2.26
Ammonium (as NH ₄)	mg/l	0.0867 \pm 0.00322	0.0762 \pm 0.0098	0.0104	87.8	-1.01
Boron	mg/l	0.0592 \pm 0.00162	- \pm -	0.00652	-	-
Calcium	mg/l	168 \pm 1.9	- \pm -	5.2	-	-
Chloride	mg/l	110 \pm 0.63	111 \pm 2	4.41	101	0.18
El. conductivity (25°C)	μ S/cm	1170 \pm 4.33	1186 \pm 60	15.3	101	0.79
Hydrogen carbonate	mg/l	445 \pm 1.63	- \pm -	8.9	-	-
Magnesium	mg/l	39.8 \pm 0.541	- \pm -	1.59	-	-
Nitrate (as NO ₃)	mg/l	10.1 \pm 0.0896	9.78 \pm 0.45	0.507	96.4	-0.72
Nitrite (as NO ₂)	mg/l	0.0307 \pm 0.00108	0.0262 \pm 0.0024	0.00307	85.4	-1.46
Orthophosphate (as PO ₄)	mg/l	0.051 \pm 0.00379	- \pm -	0.0102	-	-
pH-value	-	7.6 \pm 0.0251	- \pm -	0.152	-	-
Potassium	mg/l	2.5 \pm 0.0456	- \pm -	0.13	-	-
Sodium	mg/l	23.3 \pm 0.188	- \pm -	0.791	-	-
Sulfate (as SO ₄)	mg/l	106 \pm 0.947	104 \pm 6.4	3.51	97.7	-0.69
Total-P (as PO ₄)	mg/l	0.145 \pm 0.00263	- \pm -	0.0109	-	-
Total hardness	mmol/l	5.84 \pm 0.0648	- \pm -	0.175	-	-
Total nitrogen	mg/l	2.49 \pm 0.0962	- \pm -	0.207	-	-

Sample: N180ADOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.55 \pm 0.082	- \pm -	0.186	-	-

Sample: N180B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	3.5 \pm 0.0202	3.65 \pm 0.11	0.0699	104	2.21

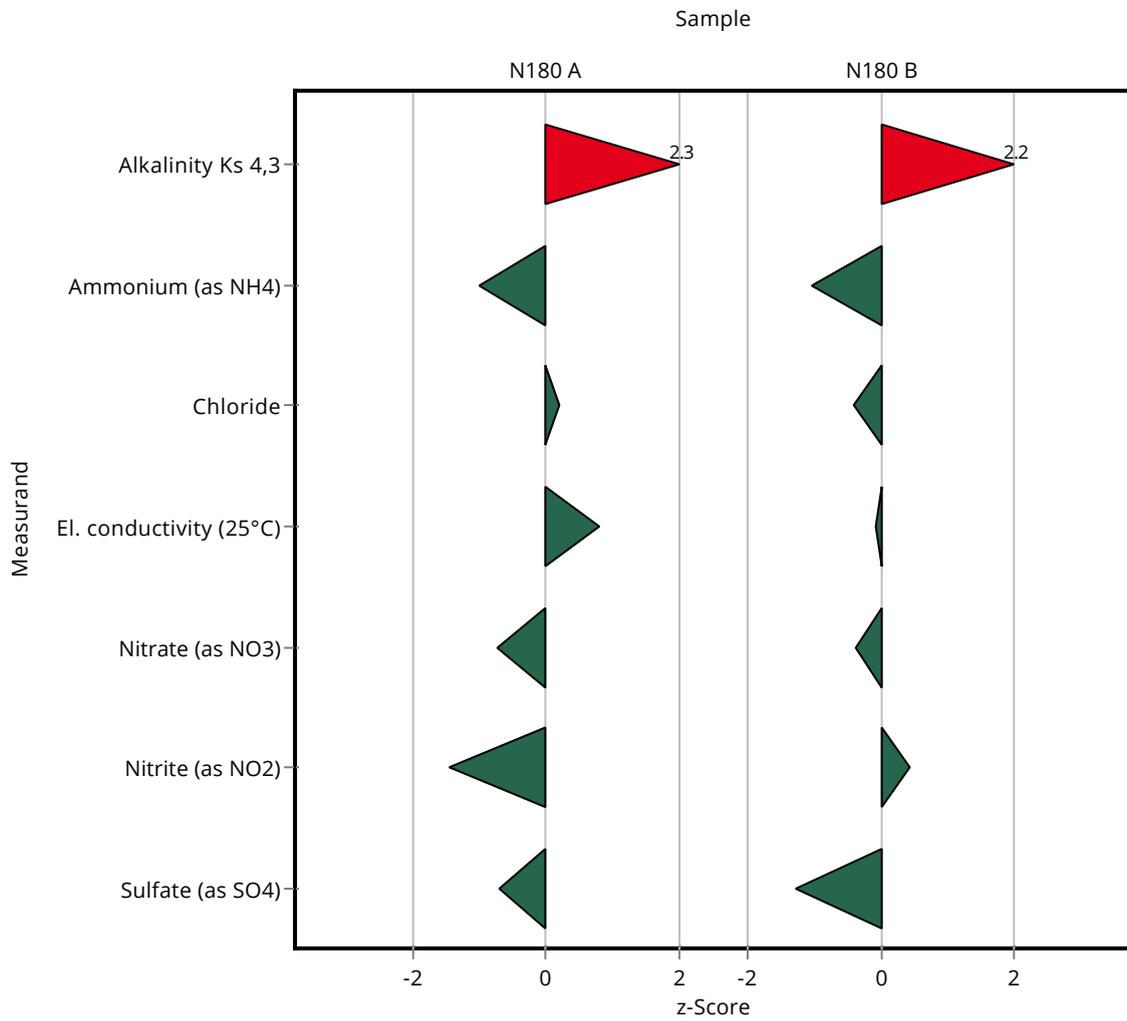
Summary of results Nutrients/Major Ions N180

Labcode: LC0016

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Ammonium (as NH4)	mg/l	0.29 \pm 0.0086	0.254 \pm 0.033	0.0348	87.6	-1.03
Boron	mg/l	0.0162 \pm 0.000839	- \pm -	0.00179	-	-
Calcium	mg/l	65.6 \pm 0.729	- \pm -	2.03	-	-
Chloride	mg/l	41.2 \pm 0.375	40.5 \pm 0.74	1.65	98.4	-0.40
El. conductivity (25°C)	μ S/cm	571 \pm 1.88	570 \pm 29	7.42	99.9	-0.08
Hydrogen carbonate	mg/l	211 \pm 1.2	- \pm -	4.22	-	-
Magnesium	mg/l	15.8 \pm 0.174	- \pm -	0.632	-	-
Nitrate (as NO3)	mg/l	29.5 \pm 0.271	29 \pm 1.3	1.48	98.2	-0.37
Nitrite (as NO2)	mg/l	0.385 \pm 0.00518	0.394 \pm 0.036	0.0204	102	0.42
Orthophosphate (as PO4)	mg/l	0.411 \pm 0.051	- \pm -	0.123	-	-
pH-value	-	7.58 \pm 0.0328	- \pm -	0.152	-	-
Potassium	mg/l	2.79 \pm 0.0421	- \pm -	0.145	-	-
Sodium	mg/l	24.8 \pm 0.253	- \pm -	0.844	-	-
Sulfate (as SO4)	mg/l	32 \pm 0.308	30.7 \pm 1.9	1.06	95.8	-1.26
Total-P (as PO4)	mg/l	2.01 \pm 0.0245	- \pm -	0.151	-	-
Total hardness	mmol/l	2.29 \pm 0.0232	- \pm -	0.0686	-	-
Total nitrogen	mg/l	7.29 \pm 0.23	- \pm -	0.605	-	-

Sample: N180BDOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.87 \pm 0.0629	- \pm -	0.287	-	-



Sample: N180A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	7.31 \pm 0.0254	7.64 \pm 0.22	0.146	105	0.75
Ammonium (as NH ₄)	mg/l	0.0867 \pm 0.00322	0.0762 \pm 0.0098	0.0104	87.8	-0.53
Boron	mg/l	0.0592 \pm 0.00162	- \pm -	0.00652	-	-
Calcium	mg/l	168 \pm 1.9	- \pm -	5.2	-	-
Chloride	mg/l	110 \pm 0.63	111 \pm 2	4.41	101	0.20
El. conductivity (25°C)	μ S/cm	1170 \pm 4.33	1186 \pm 60	15.3	101	0.10
Hydrogen carbonate	mg/l	445 \pm 1.63	- \pm -	8.9	-	-
Magnesium	mg/l	39.8 \pm 0.541	- \pm -	1.59	-	-
Nitrate (as NO ₃)	mg/l	10.1 \pm 0.0896	9.78 \pm 0.45	0.507	96.4	-0.40
Nitrite (as NO ₂)	mg/l	0.0307 \pm 0.00108	0.0262 \pm 0.0024	0.00307	85.4	-0.91
Orthophosphate (as PO ₄)	mg/l	0.051 \pm 0.00379	- \pm -	0.0102	-	-
pH-value	-	7.6 \pm 0.0251	- \pm -	0.152	-	-
Potassium	mg/l	2.5 \pm 0.0456	- \pm -	0.13	-	-
Sodium	mg/l	23.3 \pm 0.188	- \pm -	0.791	-	-
Sulfate (as SO ₄)	mg/l	106 \pm 0.947	104 \pm 6.4	3.51	97.7	-0.19
Total-P (as PO ₄)	mg/l	0.145 \pm 0.00263	- \pm -	0.0109	-	-
Total hardness	mmol/l	5.84 \pm 0.0648	- \pm -	0.175	-	-
Total nitrogen	mg/l	2.49 \pm 0.0962	- \pm -	0.207	-	-

Sample: N180ADOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.55 \pm 0.082	- \pm -	0.186	-	-

Sample: N180B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	3.5 \pm 0.0202	3.65 \pm 0.11	0.0699	104	0.70

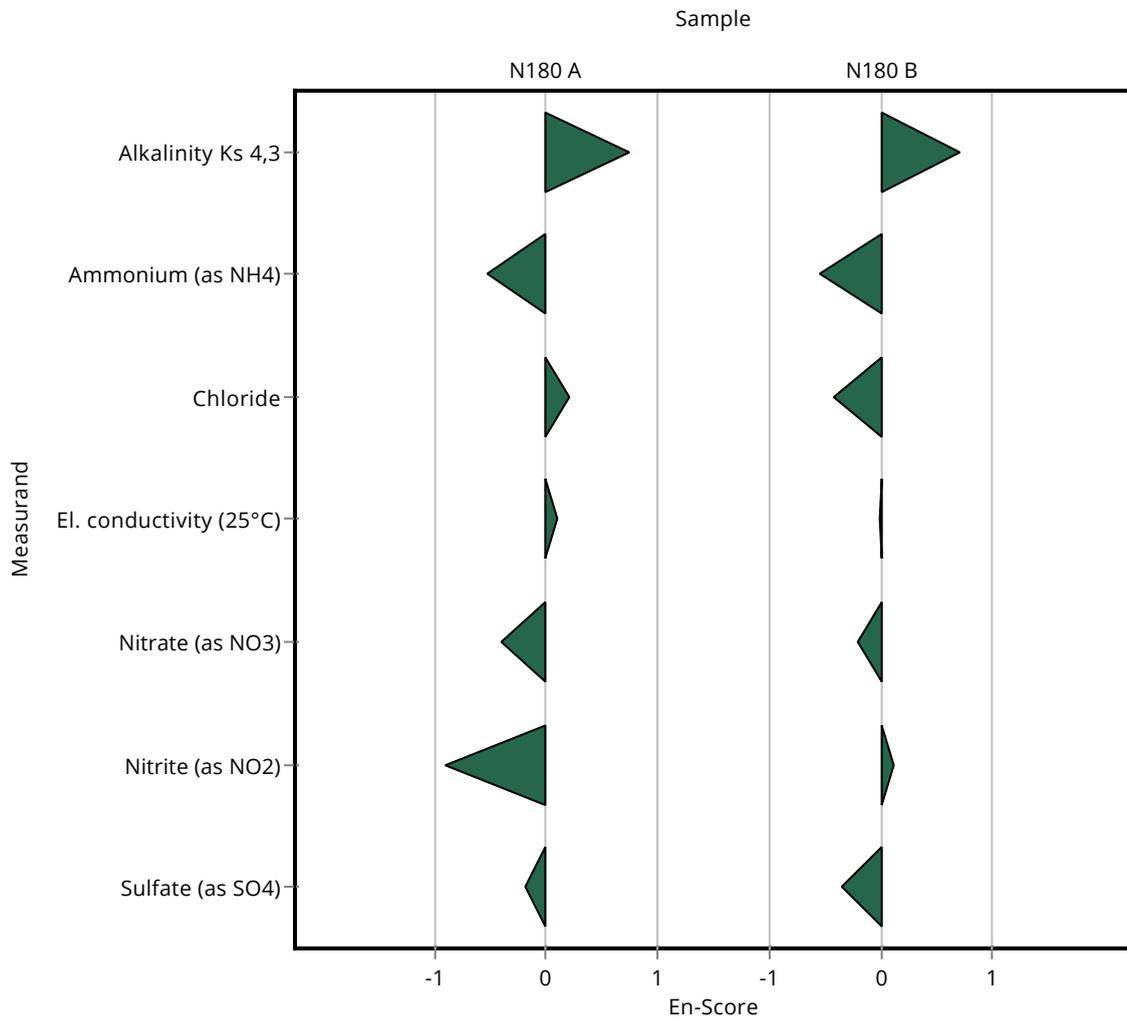
Summary of results Nutrients/Major Ions N180 - En-Score

Labcode: LC0016

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.29 \pm 0.0086	0.254 \pm 0.033	0.0348	87.6	-0.54
Boron	mg/l	0.0162 \pm 0.000839	- \pm -	0.00179	-	-
Calcium	mg/l	65.6 \pm 0.729	- \pm -	2.03	-	-
Chloride	mg/l	41.2 \pm 0.375	40.5 \pm 0.74	1.65	98.4	-0.43
El. conductivity (25°C)	μ S/cm	571 \pm 1.88	570 \pm 29	7.42	99.9	-0.01
Hydrogen carbonate	mg/l	211 \pm 1.2	- \pm -	4.22	-	-
Magnesium	mg/l	15.8 \pm 0.174	- \pm -	0.632	-	-
Nitrate (as NO ₃)	mg/l	29.5 \pm 0.271	29 \pm 1.3	1.48	98.2	-0.21
Nitrite (as NO ₂)	mg/l	0.385 \pm 0.00518	0.394 \pm 0.036	0.0204	102	0.12
Orthophosphate (as PO ₄)	mg/l	0.411 \pm 0.051	- \pm -	0.123	-	-
pH-value	-	7.58 \pm 0.0328	- \pm -	0.152	-	-
Potassium	mg/l	2.79 \pm 0.0421	- \pm -	0.145	-	-
Sodium	mg/l	24.8 \pm 0.253	- \pm -	0.844	-	-
Sulfate (as SO ₄)	mg/l	32 \pm 0.308	30.7 \pm 1.9	1.06	95.8	-0.35
Total-P (as PO ₄)	mg/l	2.01 \pm 0.0245	- \pm -	0.151	-	-
Total hardness	mmol/l	2.29 \pm 0.0232	- \pm -	0.0686	-	-
Total nitrogen	mg/l	7.29 \pm 0.23	- \pm -	0.605	-	-

Sample: N180BDOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	2.87 \pm 0.0629	- \pm -	0.287	-	-



Sample: N180A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	7.31 \pm 0.0254	7.16 \pm 1.25	0.146	97.9	-1.03
Ammonium (as NH ₄)	mg/l	0.0867 \pm 0.00322	0.094 \pm 0.008	0.0104	108	0.70
Boron	mg/l	0.0592 \pm 0.00162	- \pm -	0.00652	-	-
Calcium	mg/l	168 \pm 1.9	- \pm -	5.2	-	-
Chloride	mg/l	110 \pm 0.63	- \pm -	4.41	-	-
El. conductivity (25°C)	μ S/cm	1170 \pm 4.33	- \pm -	15.3	-	-
Hydrogen carbonate	mg/l	445 \pm 1.63	- \pm -	8.9	-	-
Magnesium	mg/l	39.8 \pm 0.541	- \pm -	1.59	-	-
Nitrate (as NO ₃)	mg/l	10.1 \pm 0.0896	- \pm -	0.507	-	-
Nitrite (as NO ₂)	mg/l	0.0307 \pm 0.00108	- \pm -	0.00307	-	-
Orthophosphate (as PO ₄)	mg/l	0.051 \pm 0.00379	- \pm -	0.0102	-	-
pH-value	-	7.6 \pm 0.0251	- \pm -	0.152	-	-
Potassium	mg/l	2.5 \pm 0.0456	- \pm -	0.13	-	-
Sodium	mg/l	23.3 \pm 0.188	- \pm -	0.791	-	-
Sulfate (as SO ₄)	mg/l	106 \pm 0.947	- \pm -	3.51	-	-
Total-P (as PO ₄)	mg/l	0.145 \pm 0.00263	- \pm -	0.0109	-	-
Total hardness	mmol/l	5.84 \pm 0.0648	- \pm -	0.175	-	-
Total nitrogen	mg/l	2.49 \pm 0.0962	- \pm -	0.207	-	-

Sample: N180ADOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.55 \pm 0.082	- \pm -	0.186	-	-

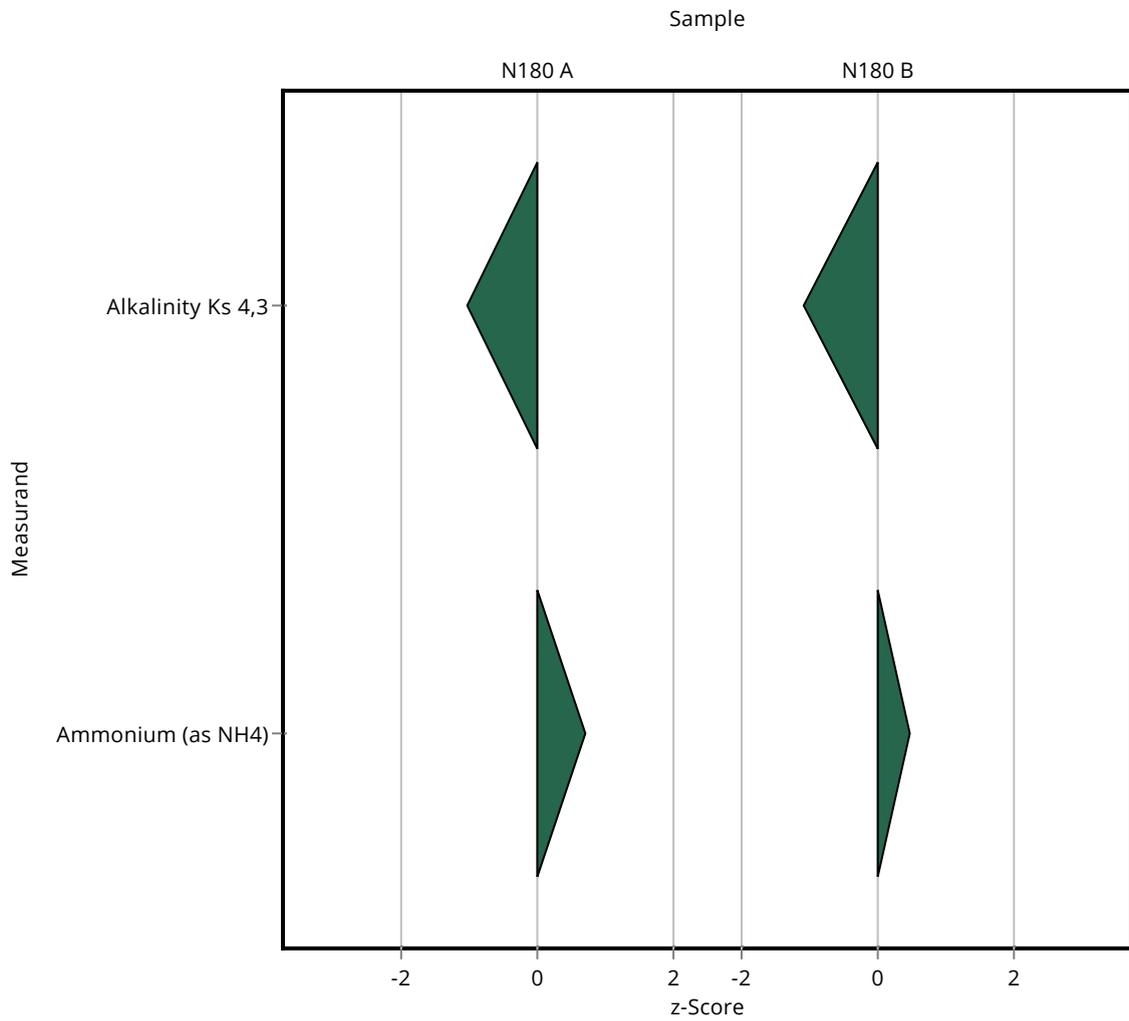
Sample: N180B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	3.5 \pm 0.0202	3.42 \pm 0.6	0.0699	97.8	-1.08

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Ammonium (as NH4)	mg/l	0.29 \pm 0.0086	0.307 \pm 0.025	0.0348	106	0.49
Boron	mg/l	0.0162 \pm 0.000839	- \pm -	0.00179	-	-
Calcium	mg/l	65.6 \pm 0.729	- \pm -	2.03	-	-
Chloride	mg/l	41.2 \pm 0.375	- \pm -	1.65	-	-
El. conductivity (25°C)	μ S/cm	571 \pm 1.88	- \pm -	7.42	-	-
Hydrogen carbonate	mg/l	211 \pm 1.2	- \pm -	4.22	-	-
Magnesium	mg/l	15.8 \pm 0.174	- \pm -	0.632	-	-
Nitrate (as NO3)	mg/l	29.5 \pm 0.271	- \pm -	1.48	-	-
Nitrite (as NO2)	mg/l	0.385 \pm 0.00518	- \pm -	0.0204	-	-
Orthophosphate (as PO4)	mg/l	0.411 \pm 0.051	- \pm -	0.123	-	-
pH-value	-	7.58 \pm 0.0328	- \pm -	0.152	-	-
Potassium	mg/l	2.79 \pm 0.0421	- \pm -	0.145	-	-
Sodium	mg/l	24.8 \pm 0.253	- \pm -	0.844	-	-
Sulfate (as SO4)	mg/l	32 \pm 0.308	- \pm -	1.06	-	-
Total-P (as PO4)	mg/l	2.01 \pm 0.0245	- \pm -	0.151	-	-
Total hardness	mmol/l	2.29 \pm 0.0232	- \pm -	0.0686	-	-
Total nitrogen	mg/l	7.29 \pm 0.23	- \pm -	0.605	-	-

Sample: N180BDOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.87 \pm 0.0629	- \pm -	0.287	-	-



Sample: N180A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	7.31 \pm 0.0254	7.16 \pm 1.25	0.146	97.9	-0.06
Ammonium (as NH ₄)	mg/l	0.0867 \pm 0.00322	0.094 \pm 0.008	0.0104	108	0.44
Boron	mg/l	0.0592 \pm 0.00162	- \pm -	0.00652	-	-
Calcium	mg/l	168 \pm 1.9	- \pm -	5.2	-	-
Chloride	mg/l	110 \pm 0.63	- \pm -	4.41	-	-
El. conductivity (25°C)	μ S/cm	1170 \pm 4.33	- \pm -	15.3	-	-
Hydrogen carbonate	mg/l	445 \pm 1.63	- \pm -	8.9	-	-
Magnesium	mg/l	39.8 \pm 0.541	- \pm -	1.59	-	-
Nitrate (as NO ₃)	mg/l	10.1 \pm 0.0896	- \pm -	0.507	-	-
Nitrite (as NO ₂)	mg/l	0.0307 \pm 0.00108	- \pm -	0.00307	-	-
Orthophosphate (as PO ₄)	mg/l	0.051 \pm 0.00379	- \pm -	0.0102	-	-
pH-value	-	7.6 \pm 0.0251	- \pm -	0.152	-	-
Potassium	mg/l	2.5 \pm 0.0456	- \pm -	0.13	-	-
Sodium	mg/l	23.3 \pm 0.188	- \pm -	0.791	-	-
Sulfate (as SO ₄)	mg/l	106 \pm 0.947	- \pm -	3.51	-	-
Total-P (as PO ₄)	mg/l	0.145 \pm 0.00263	- \pm -	0.0109	-	-
Total hardness	mmol/l	5.84 \pm 0.0648	- \pm -	0.175	-	-
Total nitrogen	mg/l	2.49 \pm 0.0962	- \pm -	0.207	-	-

Sample: N180ADOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.55 \pm 0.082	- \pm -	0.186	-	-

Sample: N180B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	3.5 \pm 0.0202	3.42 \pm 0.6	0.0699	97.8	-0.06

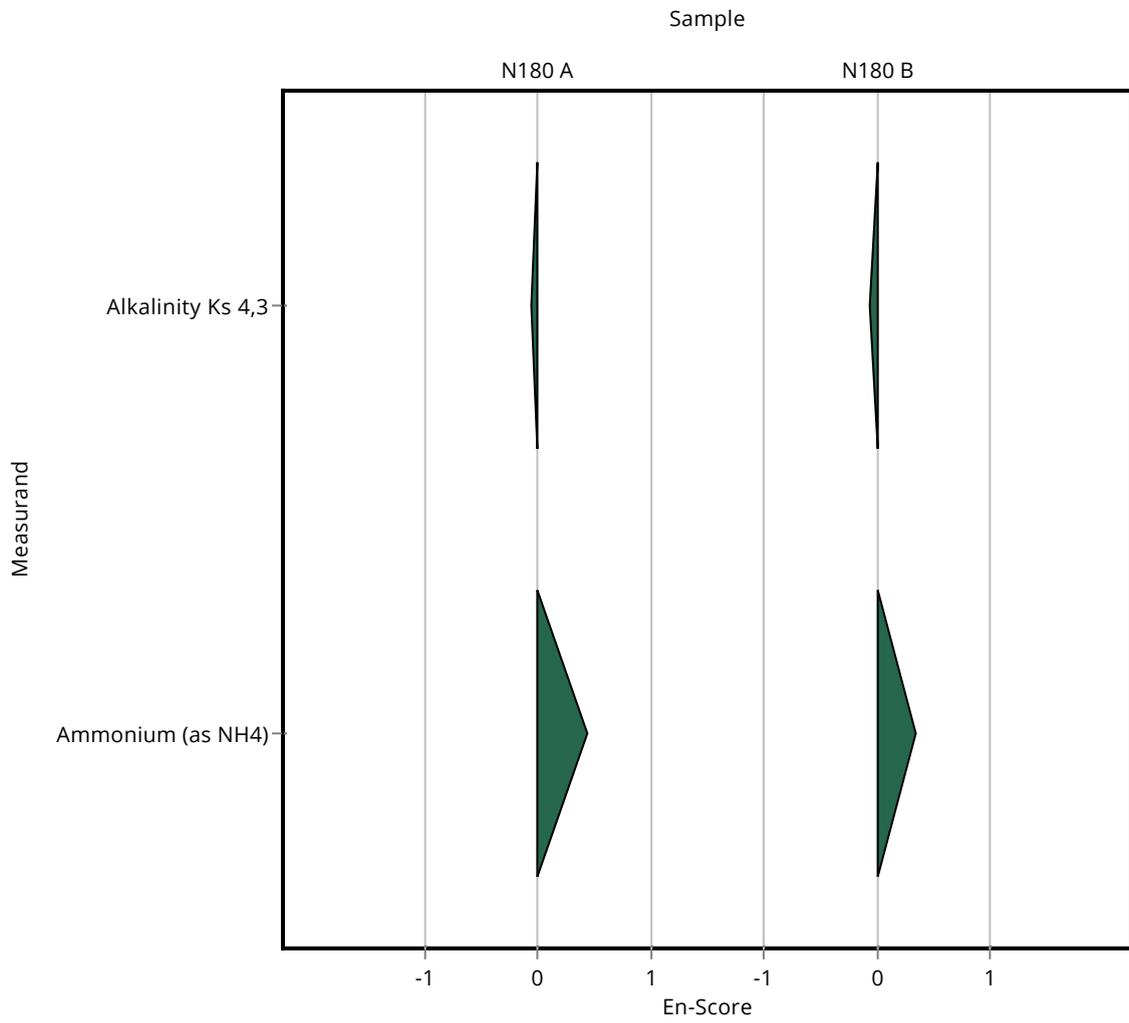
Summary of results Nutrients/Major Ions N180 - En-Score

Labcode: LC0017

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.29 \pm 0.0086	0.307 \pm 0.025	0.0348	106	0.34
Boron	mg/l	0.0162 \pm 0.000839	- \pm -	0.00179	-	-
Calcium	mg/l	65.6 \pm 0.729	- \pm -	2.03	-	-
Chloride	mg/l	41.2 \pm 0.375	- \pm -	1.65	-	-
El. conductivity (25°C)	μ S/cm	571 \pm 1.88	- \pm -	7.42	-	-
Hydrogen carbonate	mg/l	211 \pm 1.2	- \pm -	4.22	-	-
Magnesium	mg/l	15.8 \pm 0.174	- \pm -	0.632	-	-
Nitrate (as NO ₃)	mg/l	29.5 \pm 0.271	- \pm -	1.48	-	-
Nitrite (as NO ₂)	mg/l	0.385 \pm 0.00518	- \pm -	0.0204	-	-
Orthophosphate (as PO ₄)	mg/l	0.411 \pm 0.051	- \pm -	0.123	-	-
pH-value	-	7.58 \pm 0.0328	- \pm -	0.152	-	-
Potassium	mg/l	2.79 \pm 0.0421	- \pm -	0.145	-	-
Sodium	mg/l	24.8 \pm 0.253	- \pm -	0.844	-	-
Sulfate (as SO ₄)	mg/l	32 \pm 0.308	- \pm -	1.06	-	-
Total-P (as PO ₄)	mg/l	2.01 \pm 0.0245	- \pm -	0.151	-	-
Total hardness	mmol/l	2.29 \pm 0.0232	- \pm -	0.0686	-	-
Total nitrogen	mg/l	7.29 \pm 0.23	- \pm -	0.605	-	-

Sample: N180BDOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	2.87 \pm 0.0629	- \pm -	0.287	-	-



Sample: N180A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	7.31 \pm 0.0254	7.32 \pm 0.3	0.146	100	0.07
Ammonium (as NH ₄)	mg/l	0.0867 \pm 0.00322	0.086 \pm 0.011	0.0104	99.1	-0.07
Boron	mg/l	0.0592 \pm 0.00162	- \pm -	0.00652	-	-
Calcium	mg/l	168 \pm 1.9	171 \pm 14	5.2	102	0.61
Chloride	mg/l	110 \pm 0.63	112 \pm 8	4.41	102	0.41
El. conductivity (25°C)	μ S/cm	1170 \pm 4.33	1180 \pm 48	15.3	101	0.40
Hydrogen carbonate	mg/l	445 \pm 1.63	444 \pm 18	8.9	99.7	-0.13
Magnesium	mg/l	39.8 \pm 0.541	40 \pm 5	1.59	101	0.15
Nitrate (as NO ₃)	mg/l	10.1 \pm 0.0896	10.3 \pm 0.9	0.507	102	0.31
Nitrite (as NO ₂)	mg/l	0.0307 \pm 0.00108	0.031 \pm 0.003	0.00307	101	0.11
Orthophosphate (as PO ₄)	mg/l	0.051 \pm 0.00379	0.064 \pm 0.013	0.0102	125	1.27
pH-value	-	7.6 \pm 0.0251	7.62 \pm 0.4	0.152	100	0.10
Potassium	mg/l	2.5 \pm 0.0456	2.45 \pm 0.4	0.13	98.2	-0.35
Sodium	mg/l	23.3 \pm 0.188	23.5 \pm 4	0.791	101	0.31
Sulfate (as SO ₄)	mg/l	106 \pm 0.947	108 \pm 8	3.51	101	0.45
Total-P (as PO ₄)	mg/l	0.145 \pm 0.00263	0.145 \pm 0.02	0.0109	99.8	-0.03
Total hardness	mmol/l	5.84 \pm 0.0648	5.91 \pm 0.2	0.175	101	0.40
Total nitrogen	mg/l	2.49 \pm 0.0962	2.51 \pm 0.25	0.207	101	0.08

Sample: N180ADOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.55 \pm 0.082	1.61 \pm 0.3	0.186	104	0.31

Sample: N180B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	3.5 \pm 0.0202	3.49 \pm 0.2	0.0699	99.8	-0.08

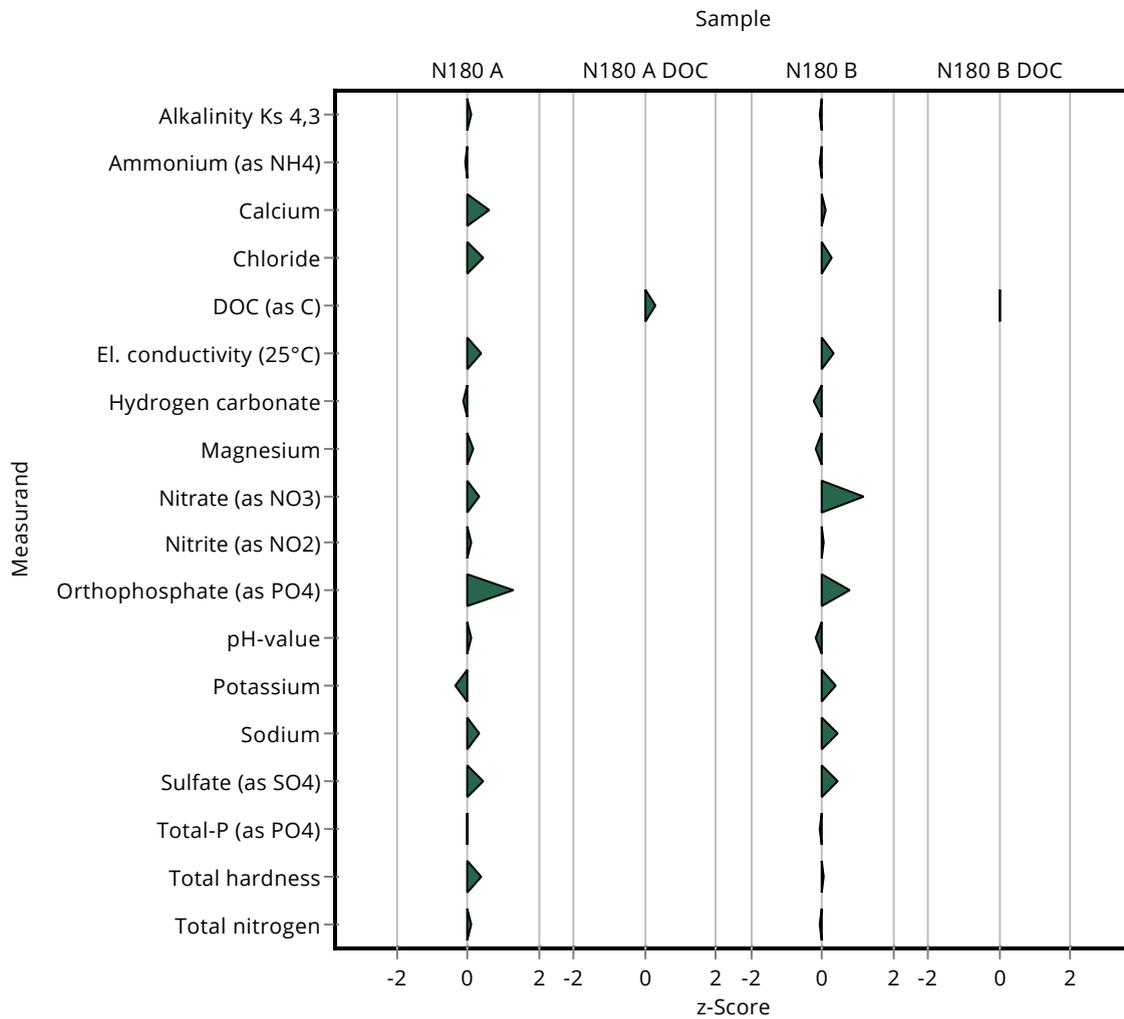
Summary of results Nutrients/Major Ions N180

Labcode: LC0018

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.29 \pm 0.0086	0.288 \pm 0.04	0.0348	99.3	-0.06
Boron	mg/l	0.0162 \pm 0.000839	- \pm -	0.00179	-	-
Calcium	mg/l	65.6 \pm 0.729	65.8 \pm 6	2.03	100	0.08
Chloride	mg/l	41.2 \pm 0.375	41.6 \pm 3	1.65	101	0.27
El. conductivity (25°C)	μ S/cm	571 \pm 1.88	573 \pm 23	7.42	100	0.33
Hydrogen carbonate	mg/l	211 \pm 1.2	210 \pm 9	4.22	99.5	-0.26
Magnesium	mg/l	15.8 \pm 0.174	15.7 \pm 1.9	0.632	99.4	-0.15
Nitrate (as NO ₃)	mg/l	29.5 \pm 0.271	31.3 \pm 3	1.48	106	1.19
Nitrite (as NO ₂)	mg/l	0.385 \pm 0.00518	0.386 \pm 0.03	0.0204	100	0.03
Orthophosphate (as PO ₄)	mg/l	0.411 \pm 0.051	0.505 \pm 0.1	0.123	123	0.76
pH-value	-	7.58 \pm 0.0328	7.55 \pm 0.4	0.152	99.6	-0.18
Potassium	mg/l	2.79 \pm 0.0421	2.85 \pm 0.4	0.145	102	0.38
Sodium	mg/l	24.8 \pm 0.253	25.2 \pm 4	0.844	101	0.44
Sulfate (as SO ₄)	mg/l	32 \pm 0.308	32.5 \pm 3	1.06	101	0.44
Total-P (as PO ₄)	mg/l	2.01 \pm 0.0245	2 \pm 0.3	0.151	99.6	-0.05
Total hardness	mmol/l	2.29 \pm 0.0232	2.29 \pm 0.1	0.0686	100	0.03
Total nitrogen	mg/l	7.29 \pm 0.23	7.25 \pm 0.65	0.605	99.5	-0.06

Sample: N180BDOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.87 \pm 0.0629	2.88 \pm 0.5	0.287	100	0.03



Sample: N180A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	7.31 \pm 0.0254	7.32 \pm 0.3	0.146	100	0.02
Ammonium (as NH ₄)	mg/l	0.0867 \pm 0.00322	0.086 \pm 0.011	0.0104	99.1	-0.03
Boron	mg/l	0.0592 \pm 0.00162	- \pm -	0.00652	-	-
Calcium	mg/l	168 \pm 1.9	171 \pm 14	5.2	102	0.11
Chloride	mg/l	110 \pm 0.63	112 \pm 8	4.41	102	0.11
El. conductivity (25°C)	μ S/cm	1170 \pm 4.33	1180 \pm 48	15.3	101	0.06
Hydrogen carbonate	mg/l	445 \pm 1.63	444 \pm 18	8.9	99.7	-0.03
Magnesium	mg/l	39.8 \pm 0.541	40 \pm 5	1.59	101	0.02
Nitrate (as NO ₃)	mg/l	10.1 \pm 0.0896	10.3 \pm 0.9	0.507	102	0.09
Nitrite (as NO ₂)	mg/l	0.0307 \pm 0.00108	0.031 \pm 0.003	0.00307	101	0.05
Orthophosphate (as PO ₄)	mg/l	0.051 \pm 0.00379	0.064 \pm 0.013	0.0102	125	0.49
pH-value	-	7.6 \pm 0.0251	7.62 \pm 0.4	0.152	100	0.02
Potassium	mg/l	2.5 \pm 0.0456	2.45 \pm 0.4	0.13	98.2	-0.06
Sodium	mg/l	23.3 \pm 0.188	23.5 \pm 4	0.791	101	0.03
Sulfate (as SO ₄)	mg/l	106 \pm 0.947	108 \pm 8	3.51	101	0.10
Total-P (as PO ₄)	mg/l	0.145 \pm 0.00263	0.145 \pm 0.02	0.0109	99.8	-0.01
Total hardness	mmol/l	5.84 \pm 0.0648	5.91 \pm 0.2	0.175	101	0.17
Total nitrogen	mg/l	2.49 \pm 0.0962	2.51 \pm 0.25	0.207	101	0.03

Sample: N180ADOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.55 \pm 0.082	1.61 \pm 0.3	0.186	104	0.10

Sample: N180B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	3.5 \pm 0.0202	3.49 \pm 0.2	0.0699	99.8	-0.01

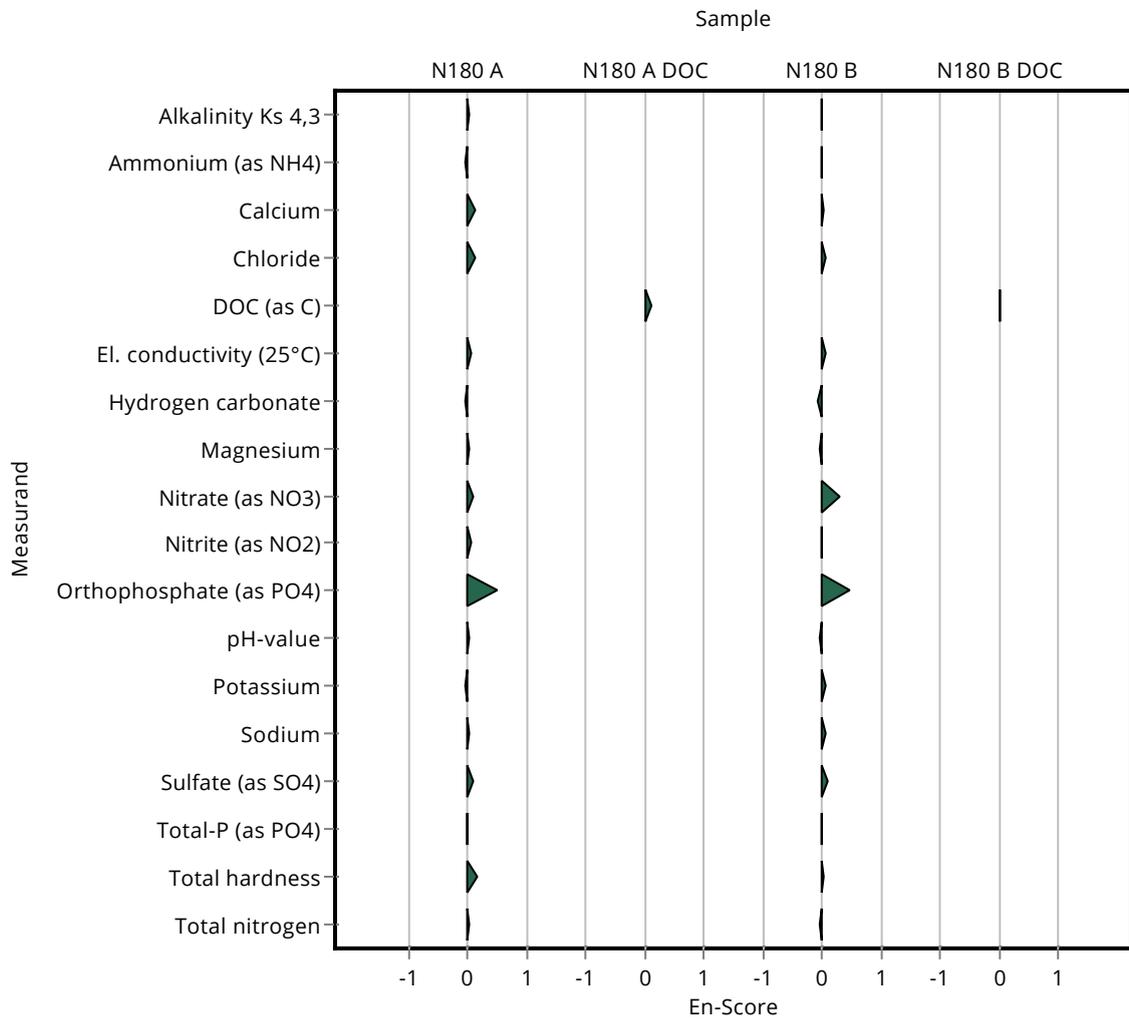
Summary of results Nutrients/Major Ions N180 - En-Score

Labcode: LC0018

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.29 \pm 0.0086	0.288 \pm 0.04	0.0348	99.3	-0.02
Boron	mg/l	0.0162 \pm 0.000839	- \pm -	0.00179	-	-
Calcium	mg/l	65.6 \pm 0.729	65.8 \pm 6	2.03	100	0.01
Chloride	mg/l	41.2 \pm 0.375	41.6 \pm 3	1.65	101	0.07
El. conductivity (25°C)	μ S/cm	571 \pm 1.88	573 \pm 23	7.42	100	0.05
Hydrogen carbonate	mg/l	211 \pm 1.2	210 \pm 9	4.22	99.5	-0.06
Magnesium	mg/l	15.8 \pm 0.174	15.7 \pm 1.9	0.632	99.4	-0.03
Nitrate (as NO ₃)	mg/l	29.5 \pm 0.271	31.3 \pm 3	1.48	106	0.29
Nitrite (as NO ₂)	mg/l	0.385 \pm 0.00518	0.386 \pm 0.03	0.0204	100	0.01
Orthophosphate (as PO ₄)	mg/l	0.411 \pm 0.051	0.505 \pm 0.1	0.123	123	0.46
pH-value	-	7.58 \pm 0.0328	7.55 \pm 0.4	0.152	99.6	-0.03
Potassium	mg/l	2.79 \pm 0.0421	2.85 \pm 0.4	0.145	102	0.07
Sodium	mg/l	24.8 \pm 0.253	25.2 \pm 4	0.844	101	0.05
Sulfate (as SO ₄)	mg/l	32 \pm 0.308	32.5 \pm 3	1.06	101	0.08
Total-P (as PO ₄)	mg/l	2.01 \pm 0.0245	2 \pm 0.3	0.151	99.6	-0.01
Total hardness	mmol/l	2.29 \pm 0.0232	2.29 \pm 0.1	0.0686	100	0.01
Total nitrogen	mg/l	7.29 \pm 0.23	7.25 \pm 0.65	0.605	99.5	-0.03

Sample: N180BDOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	2.87 \pm 0.0629	2.88 \pm 0.5	0.287	100	0.01



Sample: N180A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	7.31 \pm 0.0254	3.614 \pm 0.271	0.146	49.4	-25.28
Ammonium (as NH ₄)	mg/l	0.0867 \pm 0.00322	0.105 \pm 0.018	0.0104	121	1.75
Boron	mg/l	0.0592 \pm 0.00162	0.0676 \pm 0.014	0.00652	114	1.28
Calcium	mg/l	168 \pm 1.9	167.6 \pm 12.57	5.2	99.9	-0.04
Chloride	mg/l	110 \pm 0.63	110.3 \pm 5.515	4.41	100	0.03
El. conductivity (25°C)	μ S/cm	1170 \pm 4.33	1116 \pm 55.8	15.3	95.1	-3.80
Hydrogen carbonate	mg/l	445 \pm 1.63	441.27 \pm 33.095	8.9	99.1	-0.44
Magnesium	mg/l	39.8 \pm 0.541	39.18 \pm 1.959	1.59	98.5	-0.37
Nitrate (as NO ₃)	mg/l	10.1 \pm 0.0896	10.28 \pm 0.771	0.507	101	0.27
Nitrite (as NO ₂)	mg/l	0.0307 \pm 0.00108	0.032 \pm 0.004	0.00307	104	0.43
Orthophosphate (as PO ₄)	mg/l	0.051 \pm 0.00379	0.0538 \pm 0.011	0.0102	105	0.27
pH-value	-	7.6 \pm 0.0251	7.5 \pm 0.1	0.152	98.6	-0.68
Potassium	mg/l	2.5 \pm 0.0456	2.48 \pm 0.434	0.13	99.4	-0.12
Sodium	mg/l	23.3 \pm 0.188	23.06 \pm 1.153	0.791	99.1	-0.25
Sulfate (as SO ₄)	mg/l	106 \pm 0.947	106.1 \pm 5.305	3.51	99.7	-0.09
Total-P (as PO ₄)	mg/l	0.145 \pm 0.00263	0.19 \pm 0.019	0.0109	131	4.10
Total hardness	mmol/l	5.84 \pm 0.0648	6.035 \pm 0.603	0.175	103	1.12
Total nitrogen	mg/l	2.49 \pm 0.0962	2.27 \pm 0.227	0.207	91	-1.08

Sample: N180ADOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.55 \pm 0.082	2.03 \pm 0.152	0.186	131	2.57

Sample: N180B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	3.5 \pm 0.0202	1.725 \pm 0.129	0.0699	49.4	-25.32

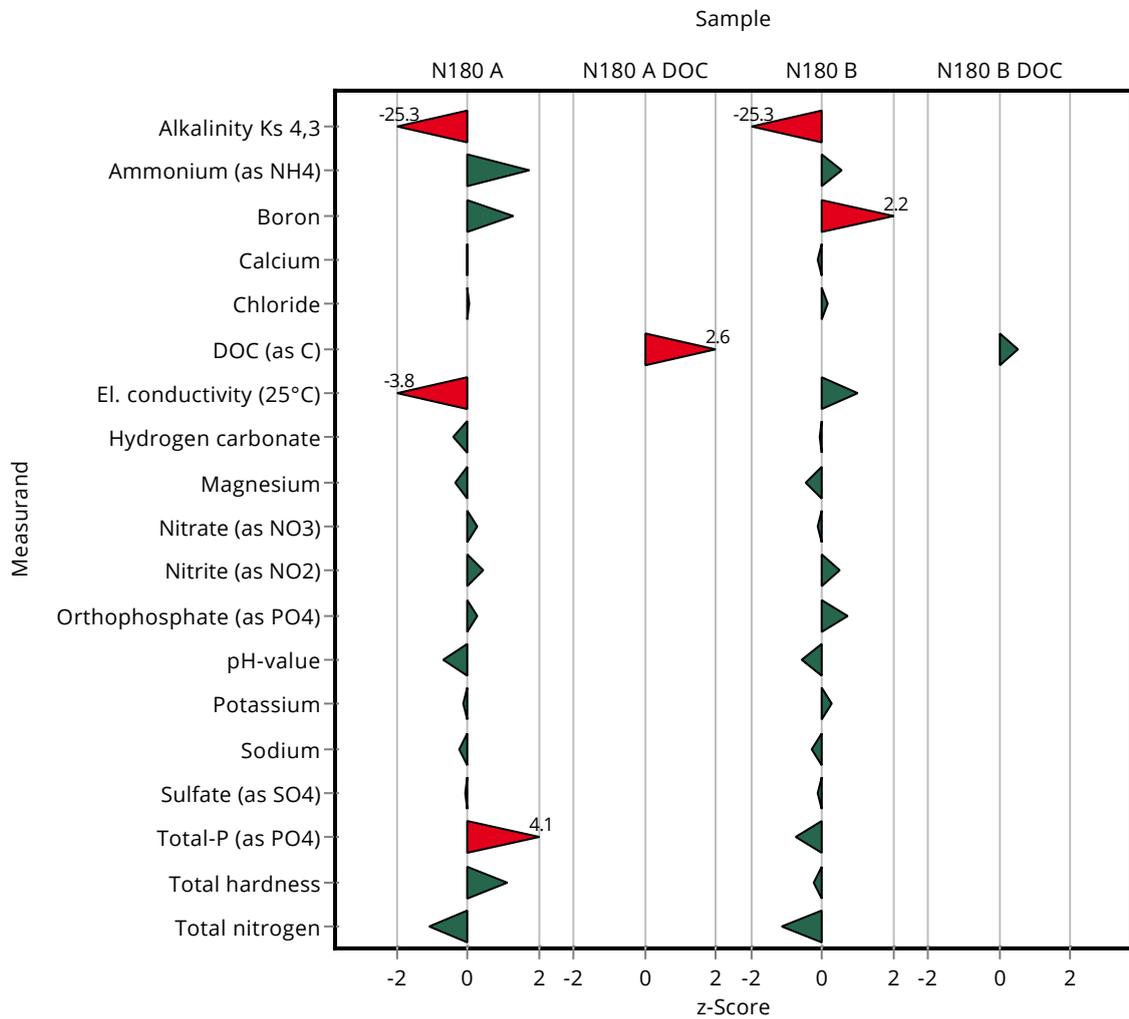
Summary of results Nutrients/Major Ions N180

Labcode: LC0019

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.29 \pm 0.0086	0.31 \pm 0.039	0.0348	107	0.58
Boron	mg/l	0.0162 \pm 0.000839	0.0202 \pm 0.004	0.00179	124	2.22
Calcium	mg/l	65.6 \pm 0.729	65.37 \pm 4.903	2.03	99.6	-0.13
Chloride	mg/l	41.2 \pm 0.375	41.4 \pm 2.07	1.65	101	0.15
El. conductivity (25°C)	μ S/cm	571 \pm 1.88	578.09 \pm 28.905	7.42	101	1.01
Hydrogen carbonate	mg/l	211 \pm 1.2	210.69 \pm 15.802	4.22	99.8	-0.10
Magnesium	mg/l	15.8 \pm 0.174	15.49 \pm 0.775	0.632	98.1	-0.49
Nitrate (as NO ₃)	mg/l	29.5 \pm 0.271	29.38 \pm 2.204	1.48	99.4	-0.11
Nitrite (as NO ₂)	mg/l	0.385 \pm 0.00518	0.396 \pm 0.04	0.0204	103	0.52
Orthophosphate (as PO ₄)	mg/l	0.411 \pm 0.051	0.497 \pm 0.037	0.123	121	0.70
pH-value	-	7.58 \pm 0.0328	7.49 \pm 0.1	0.152	98.8	-0.58
Potassium	mg/l	2.79 \pm 0.0421	2.83 \pm 0.495	0.145	101	0.24
Sodium	mg/l	24.8 \pm 0.253	24.6 \pm 1.23	0.844	99.1	-0.27
Sulfate (as SO ₄)	mg/l	32 \pm 0.308	31.91 \pm 2.393	1.06	99.6	-0.12
Total-P (as PO ₄)	mg/l	2.01 \pm 0.0245	1.898 \pm 0.19	0.151	94.6	-0.73
Total hardness	mmol/l	2.29 \pm 0.0232	2.27 \pm 0.227	0.0686	99.2	-0.26
Total nitrogen	mg/l	7.29 \pm 0.23	6.6 \pm 0.495	0.605	90.5	-1.14

Sample: N180BDOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.87 \pm 0.0629	3.02 \pm 0.227	0.287	105	0.52



Sample: N180A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	7.31 \pm 0.0254	3.614 \pm 0.271	0.146	49.4	-6.81
Ammonium (as NH4)	mg/l	0.0867 \pm 0.00322	0.105 \pm 0.018	0.0104	121	0.51
Boron	mg/l	0.0592 \pm 0.00162	0.0676 \pm 0.014	0.00652	114	0.30
Calcium	mg/l	168 \pm 1.9	167.6 \pm 12.57	5.2	99.9	-0.01
Chloride	mg/l	110 \pm 0.63	110.3 \pm 5.515	4.41	100	0.01
El. conductivity (25°C)	μ S/cm	1170 \pm 4.33	1116 \pm 55.8	15.3	95.1	-0.52
Hydrogen carbonate	mg/l	445 \pm 1.63	441.27 \pm 33.095	8.9	99.1	-0.06
Magnesium	mg/l	39.8 \pm 0.541	39.18 \pm 1.959	1.59	98.5	-0.15
Nitrate (as NO3)	mg/l	10.1 \pm 0.0896	10.28 \pm 0.771	0.507	101	0.09
Nitrite (as NO2)	mg/l	0.0307 \pm 0.00108	0.032 \pm 0.004	0.00307	104	0.17
Orthophosphate (as PO4)	mg/l	0.051 \pm 0.00379	0.0538 \pm 0.011	0.0102	105	0.12
pH-value	-	7.6 \pm 0.0251	7.5 \pm 0.1	0.152	98.6	-0.52
Potassium	mg/l	2.5 \pm 0.0456	2.48 \pm 0.434	0.13	99.4	-0.02
Sodium	mg/l	23.3 \pm 0.188	23.06 \pm 1.153	0.791	99.1	-0.09
Sulfate (as SO4)	mg/l	106 \pm 0.947	106.1 \pm 5.305	3.51	99.7	-0.03
Total-P (as PO4)	mg/l	0.145 \pm 0.00263	0.19 \pm 0.019	0.0109	131	1.17
Total hardness	mmol/l	5.84 \pm 0.0648	6.035 \pm 0.603	0.175	103	0.16
Total nitrogen	mg/l	2.49 \pm 0.0962	2.27 \pm 0.227	0.207	91	-0.48

Sample: N180ADOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.55 \pm 0.082	2.03 \pm 0.152	0.186	131	1.52

Sample: N180B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	3.5 \pm 0.0202	1.725 \pm 0.129	0.0699	49.4	-6.84

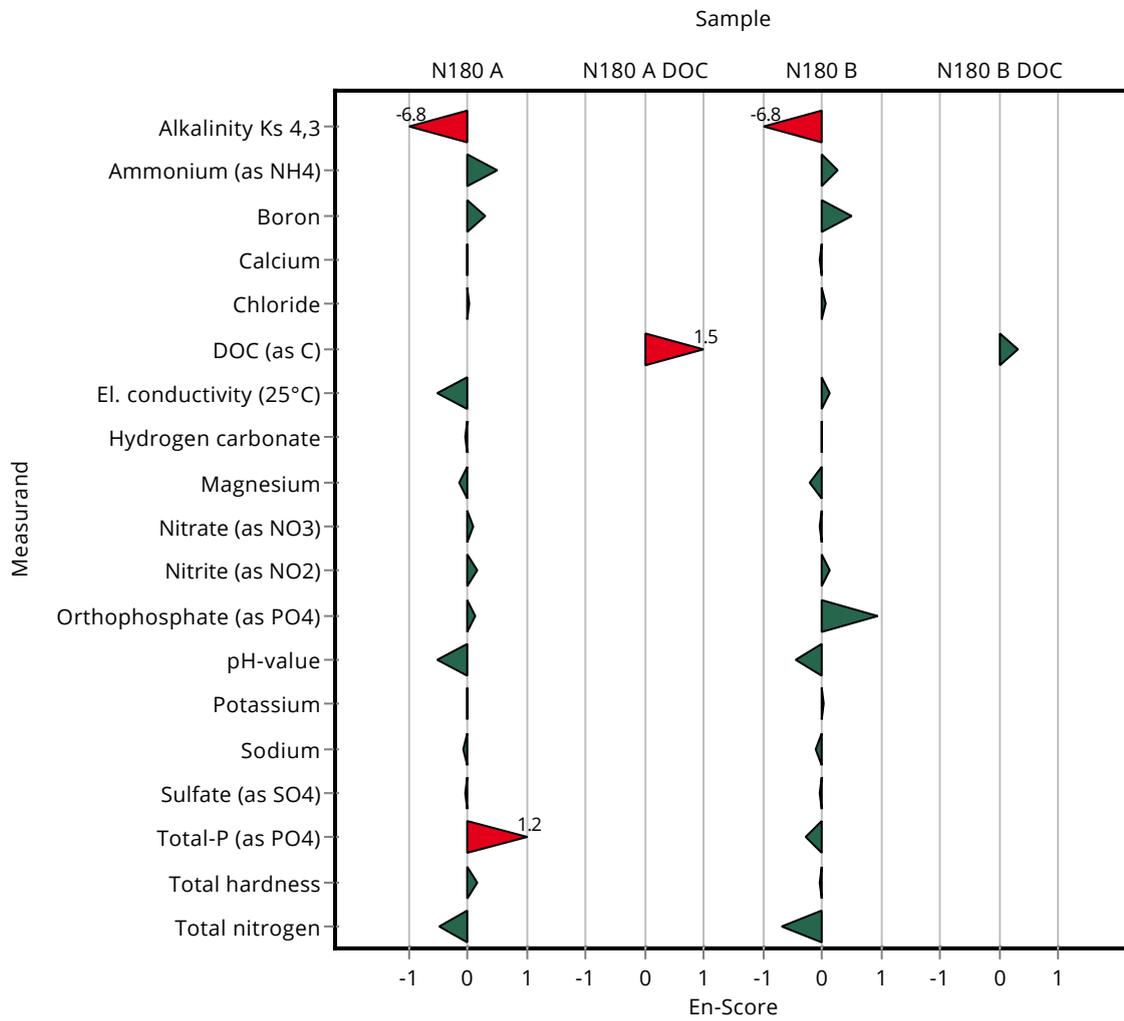
Summary of results Nutrients/Major Ions N180 - En-Score

Labcode: LC0019

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En- Score
Ammonium (as NH ₄)	mg/l	0.29 \pm 0.0086	0.31 \pm 0.039	0.0348	107	0.26
Boron	mg/l	0.0162 \pm 0.000839	0.0202 \pm 0.004	0.00179	124	0.49
Calcium	mg/l	65.6 \pm 0.729	65.37 \pm 4.903	2.03	99.6	-0.03
Chloride	mg/l	41.2 \pm 0.375	41.4 \pm 2.07	1.65	101	0.06
El. conductivity (25°C)	μ S/cm	571 \pm 1.88	578.09 \pm 28.905	7.42	101	0.13
Hydrogen carbonate	mg/l	211 \pm 1.2	210.69 \pm 15.802	4.22	99.8	-0.01
Magnesium	mg/l	15.8 \pm 0.174	15.49 \pm 0.775	0.632	98.1	-0.20
Nitrate (as NO ₃)	mg/l	29.5 \pm 0.271	29.38 \pm 2.204	1.48	99.4	-0.04
Nitrite (as NO ₂)	mg/l	0.385 \pm 0.00518	0.396 \pm 0.04	0.0204	103	0.13
Orthophosphate (as PO ₄)	mg/l	0.411 \pm 0.051	0.497 \pm 0.037	0.123	121	0.96
pH-value	-	7.58 \pm 0.0328	7.49 \pm 0.1	0.152	98.8	-0.43
Potassium	mg/l	2.79 \pm 0.0421	2.83 \pm 0.495	0.145	101	0.04
Sodium	mg/l	24.8 \pm 0.253	24.6 \pm 1.23	0.844	99.1	-0.09
Sulfate (as SO ₄)	mg/l	32 \pm 0.308	31.91 \pm 2.393	1.06	99.6	-0.03
Total-P (as PO ₄)	mg/l	2.01 \pm 0.0245	1.898 \pm 0.19	0.151	94.6	-0.29
Total hardness	mmol/l	2.29 \pm 0.0232	2.27 \pm 0.227	0.0686	99.2	-0.04
Total nitrogen	mg/l	7.29 \pm 0.23	6.6 \pm 0.495	0.605	90.5	-0.68

Sample: N180BDOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En- Score
DOC (as C)	mg/l	2.87 \pm 0.0629	3.02 \pm 0.227	0.287	105	0.33



Sample: N180A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	7.31 \pm 0.0254	- \pm -	0.146	-	-
Ammonium (as NH ₄)	mg/l	0.0867 \pm 0.00322	- \pm -	0.0104	-	-
Boron	mg/l	0.0592 \pm 0.00162	- \pm -	0.00652	-	-
Calcium	mg/l	168 \pm 1.9	- \pm -	5.2	-	-
Chloride	mg/l	110 \pm 0.63	110.5 \pm 3.59	4.41	100	0.07
El. conductivity (25°C)	μ S/cm	1170 \pm 4.33	1146 \pm 60	15.3	97.6	-1.83
Hydrogen carbonate	mg/l	445 \pm 1.63	443.5 \pm 12.24	8.9	99.6	-0.19
Magnesium	mg/l	39.8 \pm 0.541	- \pm -	1.59	-	-
Nitrate (as NO ₃)	mg/l	10.1 \pm 0.0896	- \pm -	0.507	-	-
Nitrite (as NO ₂)	mg/l	0.0307 \pm 0.00108	- \pm -	0.00307	-	-
Orthophosphate (as PO ₄)	mg/l	0.051 \pm 0.00379	- \pm -	0.0102	-	-
pH-value	-	7.6 \pm 0.0251	7.57 \pm 0.1	0.152	99.6	-0.22
Potassium	mg/l	2.5 \pm 0.0456	- \pm -	0.13	-	-
Sodium	mg/l	23.3 \pm 0.188	- \pm -	0.791	-	-
Sulfate (as SO ₄)	mg/l	106 \pm 0.947	- \pm -	3.51	-	-
Total-P (as PO ₄)	mg/l	0.145 \pm 0.00263	- \pm -	0.0109	-	-
Total hardness	mmol/l	5.84 \pm 0.0648	- \pm -	0.175	-	-
Total nitrogen	mg/l	2.49 \pm 0.0962	- \pm -	0.207	-	-

Sample: N180ADOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.55 \pm 0.082	- \pm -	0.186	-	-

Sample: N180B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	3.5 \pm 0.0202	- \pm -	0.0699	-	-

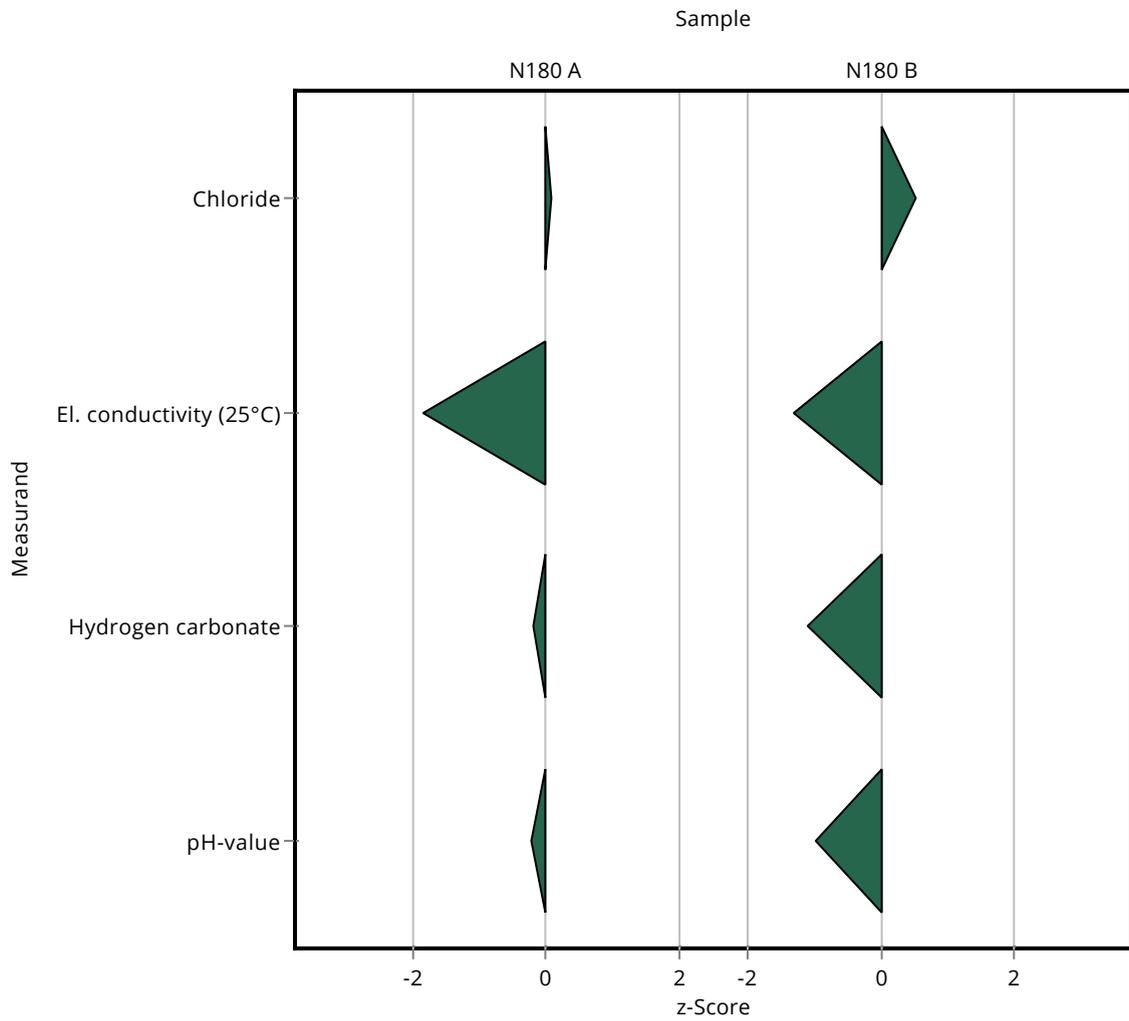
Summary of results Nutrients/Major Ions N180

Labcode: LC0020

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.29 \pm 0.0086	- \pm -	0.0348	-	-
Boron	mg/l	0.0162 \pm 0.000839	- \pm -	0.00179	-	-
Calcium	mg/l	65.6 \pm 0.729	- \pm -	2.03	-	-
Chloride	mg/l	41.2 \pm 0.375	42 \pm 1.37	1.65	102	0.51
El. conductivity (25°C)	μ S/cm	571 \pm 1.88	561 \pm 30	7.42	98.3	-1.29
Hydrogen carbonate	mg/l	211 \pm 1.2	206.5 \pm 5.7	4.22	97.8	-1.09
Magnesium	mg/l	15.8 \pm 0.174	- \pm -	0.632	-	-
Nitrate (as NO ₃)	mg/l	29.5 \pm 0.271	- \pm -	1.48	-	-
Nitrite (as NO ₂)	mg/l	0.385 \pm 0.00518	- \pm -	0.0204	-	-
Orthophosphate (as PO ₄)	mg/l	0.411 \pm 0.051	- \pm -	0.123	-	-
pH-value	-	7.58 \pm 0.0328	7.43 \pm 0.1	0.152	98	-0.98
Potassium	mg/l	2.79 \pm 0.0421	- \pm -	0.145	-	-
Sodium	mg/l	24.8 \pm 0.253	- \pm -	0.844	-	-
Sulfate (as SO ₄)	mg/l	32 \pm 0.308	- \pm -	1.06	-	-
Total-P (as PO ₄)	mg/l	2.01 \pm 0.0245	- \pm -	0.151	-	-
Total hardness	mmol/l	2.29 \pm 0.0232	- \pm -	0.0686	-	-
Total nitrogen	mg/l	7.29 \pm 0.23	- \pm -	0.605	-	-

Sample: N180BDOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.87 \pm 0.0629	- \pm -	0.287	-	-



Sample: N180A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	7.31 \pm 0.0254	- \pm -	0.146	-	-
Ammonium (as NH ₄)	mg/l	0.0867 \pm 0.00322	- \pm -	0.0104	-	-
Boron	mg/l	0.0592 \pm 0.00162	- \pm -	0.00652	-	-
Calcium	mg/l	168 \pm 1.9	- \pm -	5.2	-	-
Chloride	mg/l	110 \pm 0.63	110.5 \pm 3.59	4.41	100	0.04
El. conductivity (25°C)	μ S/cm	1170 \pm 4.33	1146 \pm 60	15.3	97.6	-0.23
Hydrogen carbonate	mg/l	445 \pm 1.63	443.5 \pm 12.24	8.9	99.6	-0.07
Magnesium	mg/l	39.8 \pm 0.541	- \pm -	1.59	-	-
Nitrate (as NO ₃)	mg/l	10.1 \pm 0.0896	- \pm -	0.507	-	-
Nitrite (as NO ₂)	mg/l	0.0307 \pm 0.00108	- \pm -	0.00307	-	-
Orthophosphate (as PO ₄)	mg/l	0.051 \pm 0.00379	- \pm -	0.0102	-	-
pH-value	-	7.6 \pm 0.0251	7.57 \pm 0.1	0.152	99.6	-0.17
Potassium	mg/l	2.5 \pm 0.0456	- \pm -	0.13	-	-
Sodium	mg/l	23.3 \pm 0.188	- \pm -	0.791	-	-
Sulfate (as SO ₄)	mg/l	106 \pm 0.947	- \pm -	3.51	-	-
Total-P (as PO ₄)	mg/l	0.145 \pm 0.00263	- \pm -	0.0109	-	-
Total hardness	mmol/l	5.84 \pm 0.0648	- \pm -	0.175	-	-
Total nitrogen	mg/l	2.49 \pm 0.0962	- \pm -	0.207	-	-

Sample: N180ADOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.55 \pm 0.082	- \pm -	0.186	-	-

Sample: N180B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	3.5 \pm 0.0202	- \pm -	0.0699	-	-

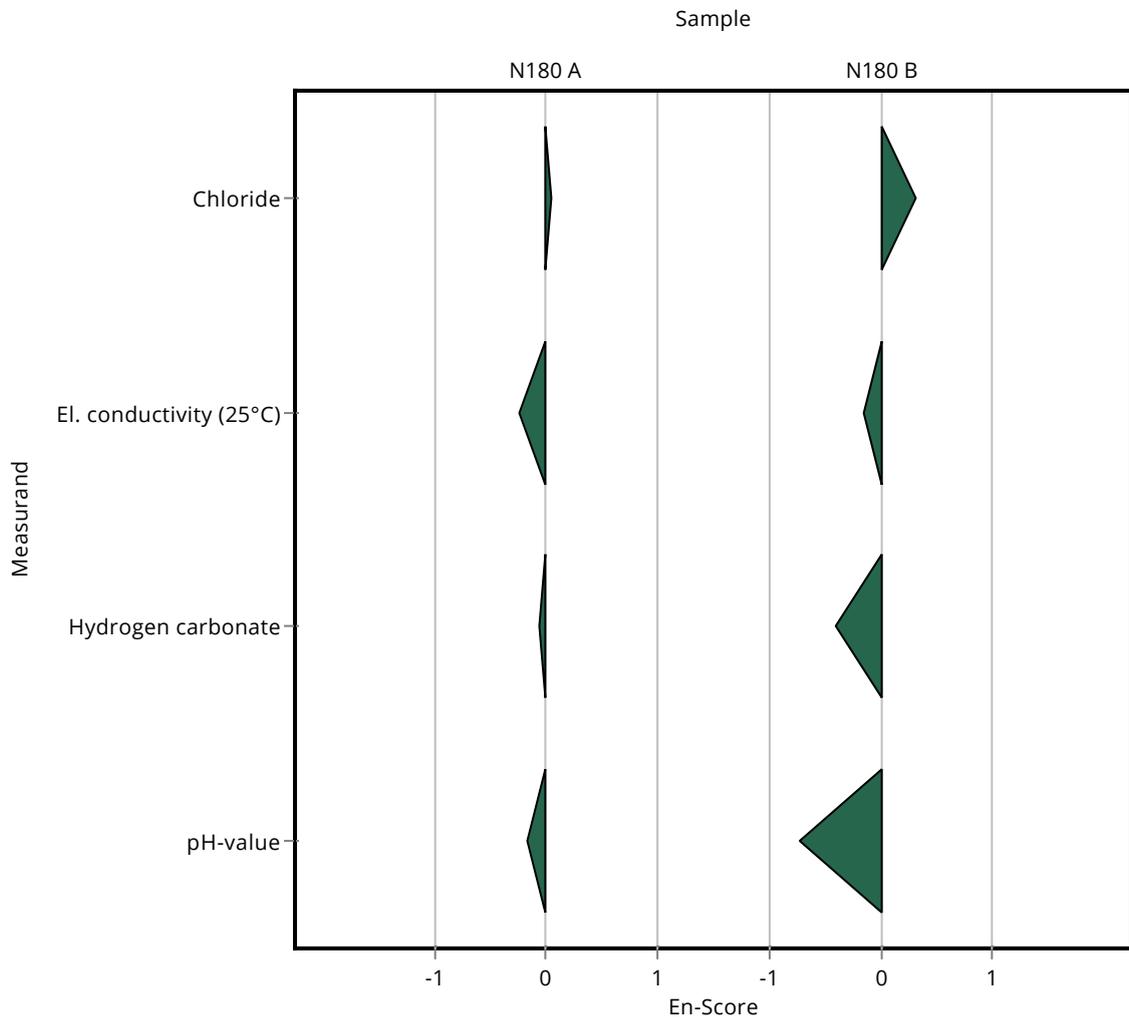
Summary of results Nutrients/Major Ions N180 - En-Score

Labcode: LC0020

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En- Score
Ammonium (as NH ₄)	mg/l	0.29 \pm 0.0086	- \pm -	0.0348	-	-
Boron	mg/l	0.0162 \pm 0.000839	- \pm -	0.00179	-	-
Calcium	mg/l	65.6 \pm 0.729	- \pm -	2.03	-	-
Chloride	mg/l	41.2 \pm 0.375	42 \pm 1.37	1.65	102	0.30
El. conductivity (25°C)	μ S/cm	571 \pm 1.88	561 \pm 30	7.42	98.3	-0.16
Hydrogen carbonate	mg/l	211 \pm 1.2	206.5 \pm 5.7	4.22	97.8	-0.40
Magnesium	mg/l	15.8 \pm 0.174	- \pm -	0.632	-	-
Nitrate (as NO ₃)	mg/l	29.5 \pm 0.271	- \pm -	1.48	-	-
Nitrite (as NO ₂)	mg/l	0.385 \pm 0.00518	- \pm -	0.0204	-	-
Orthophosphate (as PO ₄)	mg/l	0.411 \pm 0.051	- \pm -	0.123	-	-
pH-value	-	7.58 \pm 0.0328	7.43 \pm 0.1	0.152	98	-0.73
Potassium	mg/l	2.79 \pm 0.0421	- \pm -	0.145	-	-
Sodium	mg/l	24.8 \pm 0.253	- \pm -	0.844	-	-
Sulfate (as SO ₄)	mg/l	32 \pm 0.308	- \pm -	1.06	-	-
Total-P (as PO ₄)	mg/l	2.01 \pm 0.0245	- \pm -	0.151	-	-
Total hardness	mmol/l	2.29 \pm 0.0232	- \pm -	0.0686	-	-
Total nitrogen	mg/l	7.29 \pm 0.23	- \pm -	0.605	-	-

Sample: N180BDOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En- Score
DOC (as C)	mg/l	2.87 \pm 0.0629	- \pm -	0.287	-	-



Sample: N180A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	7.31 \pm 0.0254	7.34 \pm 0.367	0.146	100	0.20
Ammonium (as NH ₄)	mg/l	0.0867 \pm 0.00322	0.042 \pm 0.013	0.0104	48.4	-4.30
Boron	mg/l	0.0592 \pm 0.00162	- \pm -	0.00652	-	-
Calcium	mg/l	168 \pm 1.9	- \pm -	5.2	-	-
Chloride	mg/l	110 \pm 0.63	108 \pm 16.2	4.41	98	-0.50
El. conductivity (25°C)	μ S/cm	1170 \pm 4.33	1170 \pm 58.5	15.3	99.7	-0.26
Hydrogen carbonate	mg/l	445 \pm 1.63	- \pm -	8.9	-	-
Magnesium	mg/l	39.8 \pm 0.541	- \pm -	1.59	-	-
Nitrate (as NO ₃)	mg/l	10.1 \pm 0.0896	9.87 \pm 1.48	0.507	97.3	-0.54
Nitrite (as NO ₂)	mg/l	0.0307 \pm 0.00108	0.033 \pm 0.006	0.00307	108	0.76
Orthophosphate (as PO ₄)	mg/l	0.051 \pm 0.00379	0.052 \pm 0.01	0.0102	102	0.09
pH-value	-	7.6 \pm 0.0251	7.6 \pm 0.38	0.152	99.9	-0.03
Potassium	mg/l	2.5 \pm 0.0456	- \pm -	0.13	-	-
Sodium	mg/l	23.3 \pm 0.188	- \pm -	0.791	-	-
Sulfate (as SO ₄)	mg/l	106 \pm 0.947	109 \pm 16.4	3.51	102	0.73
Total-P (as PO ₄)	mg/l	0.145 \pm 0.00263	- \pm -	0.0109	-	-
Total hardness	mmol/l	5.84 \pm 0.0648	- \pm -	0.175	-	-
Total nitrogen	mg/l	2.49 \pm 0.0962	- \pm -	0.207	-	-

Sample: N180ADOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.55 \pm 0.082	- \pm -	0.186	-	-

Sample: N180B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	3.5 \pm 0.0202	3.5 \pm 0.175	0.0699	100	0.07

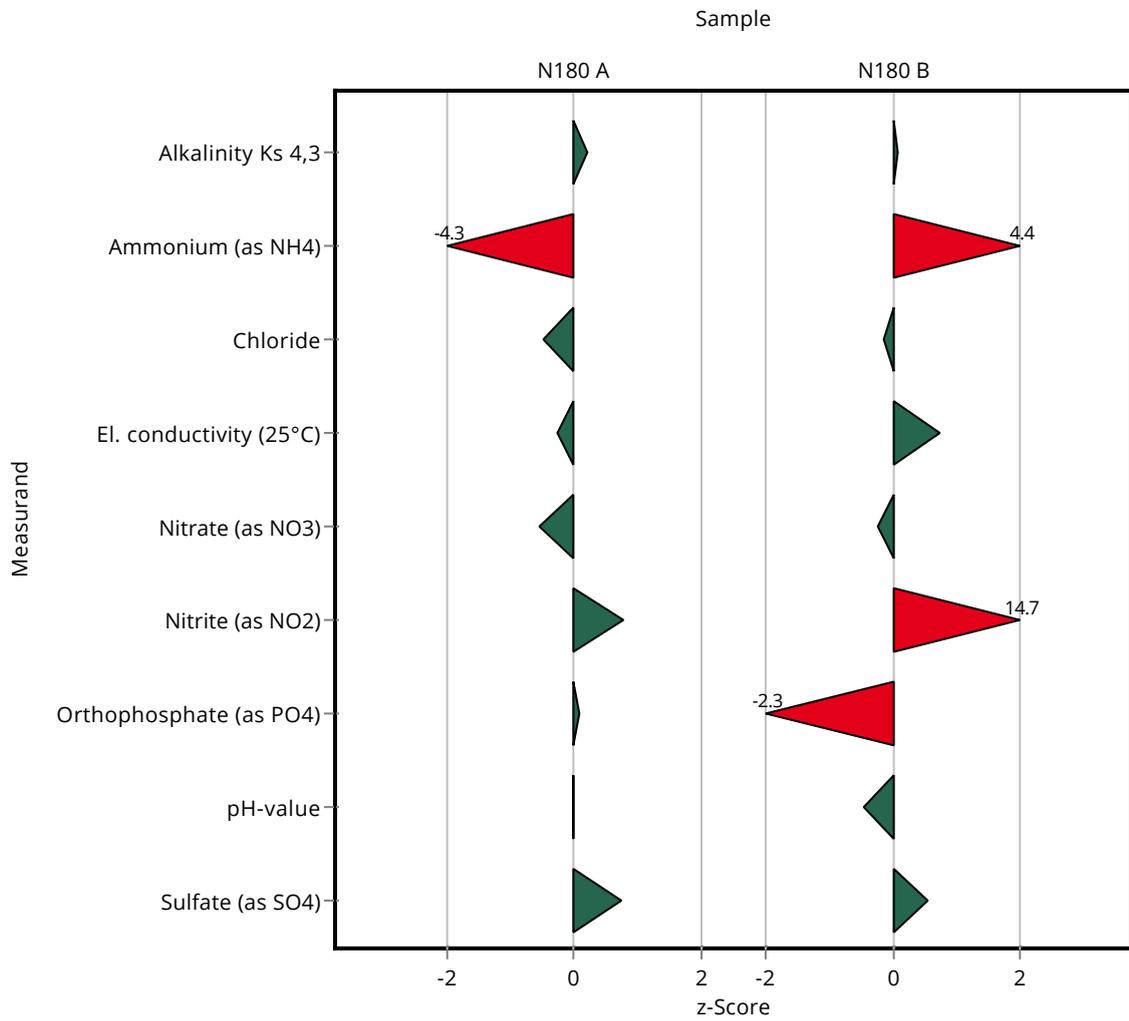
Summary of results Nutrients/Major Ions N180

Labcode: LC0021

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.29 \pm 0.0086	0.442 \pm 0.133	0.0348	152	4.37
Boron	mg/l	0.0162 \pm 0.000839	- \pm -	0.00179	-	-
Calcium	mg/l	65.6 \pm 0.729	- \pm -	2.03	-	-
Chloride	mg/l	41.2 \pm 0.375	40.9 \pm 6.14	1.65	99.4	-0.16
El. conductivity (25°C)	μ S/cm	571 \pm 1.88	576 \pm 28.8	7.42	101	0.73
Hydrogen carbonate	mg/l	211 \pm 1.2	- \pm -	4.22	-	-
Magnesium	mg/l	15.8 \pm 0.174	- \pm -	0.632	-	-
Nitrate (as NO ₃)	mg/l	29.5 \pm 0.271	29.2 \pm 4.38	1.48	98.8	-0.23
Nitrite (as NO ₂)	mg/l	0.385 \pm 0.00518	0.685 \pm 0.116	0.0204	178	14.66
Orthophosphate (as PO ₄)	mg/l	0.411 \pm 0.051	0.132 \pm 0.026	0.123	32.1	-2.26
pH-value	-	7.58 \pm 0.0328	7.51 \pm 0.376	0.152	99.1	-0.45
Potassium	mg/l	2.79 \pm 0.0421	- \pm -	0.145	-	-
Sodium	mg/l	24.8 \pm 0.253	- \pm -	0.844	-	-
Sulfate (as SO ₄)	mg/l	32 \pm 0.308	32.6 \pm 4.95	1.06	102	0.53
Total-P (as PO ₄)	mg/l	2.01 \pm 0.0245	- \pm -	0.151	-	-
Total hardness	mmol/l	2.29 \pm 0.0232	- \pm -	0.0686	-	-
Total nitrogen	mg/l	7.29 \pm 0.23	- \pm -	0.605	-	-

Sample: N180BDOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.87 \pm 0.0629	- \pm -	0.287	-	-



Sample: N180A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	7.31 \pm 0.0254	7.34 \pm 0.367	0.146	100	0.04
Ammonium (as NH ₄)	mg/l	0.0867 \pm 0.00322	0.042 \pm 0.013	0.0104	48.4	-1.71
Boron	mg/l	0.0592 \pm 0.00162	- \pm -	0.00652	-	-
Calcium	mg/l	168 \pm 1.9	- \pm -	5.2	-	-
Chloride	mg/l	110 \pm 0.63	108 \pm 16.2	4.41	98	-0.07
El. conductivity (25°C)	μ S/cm	1170 \pm 4.33	1170 \pm 58.5	15.3	99.7	-0.03
Hydrogen carbonate	mg/l	445 \pm 1.63	- \pm -	8.9	-	-
Magnesium	mg/l	39.8 \pm 0.541	- \pm -	1.59	-	-
Nitrate (as NO ₃)	mg/l	10.1 \pm 0.0896	9.87 \pm 1.48	0.507	97.3	-0.09
Nitrite (as NO ₂)	mg/l	0.0307 \pm 0.00108	0.033 \pm 0.006	0.00307	108	0.19
Orthophosphate (as PO ₄)	mg/l	0.051 \pm 0.00379	0.052 \pm 0.01	0.0102	102	0.05
pH-value	-	7.6 \pm 0.0251	7.6 \pm 0.38	0.152	99.9	-0.01
Potassium	mg/l	2.5 \pm 0.0456	- \pm -	0.13	-	-
Sodium	mg/l	23.3 \pm 0.188	- \pm -	0.791	-	-
Sulfate (as SO ₄)	mg/l	106 \pm 0.947	109 \pm 16.4	3.51	102	0.08
Total-P (as PO ₄)	mg/l	0.145 \pm 0.00263	- \pm -	0.0109	-	-
Total hardness	mmol/l	5.84 \pm 0.0648	- \pm -	0.175	-	-
Total nitrogen	mg/l	2.49 \pm 0.0962	- \pm -	0.207	-	-

Sample: N180ADOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.55 \pm 0.082	- \pm -	0.186	-	-

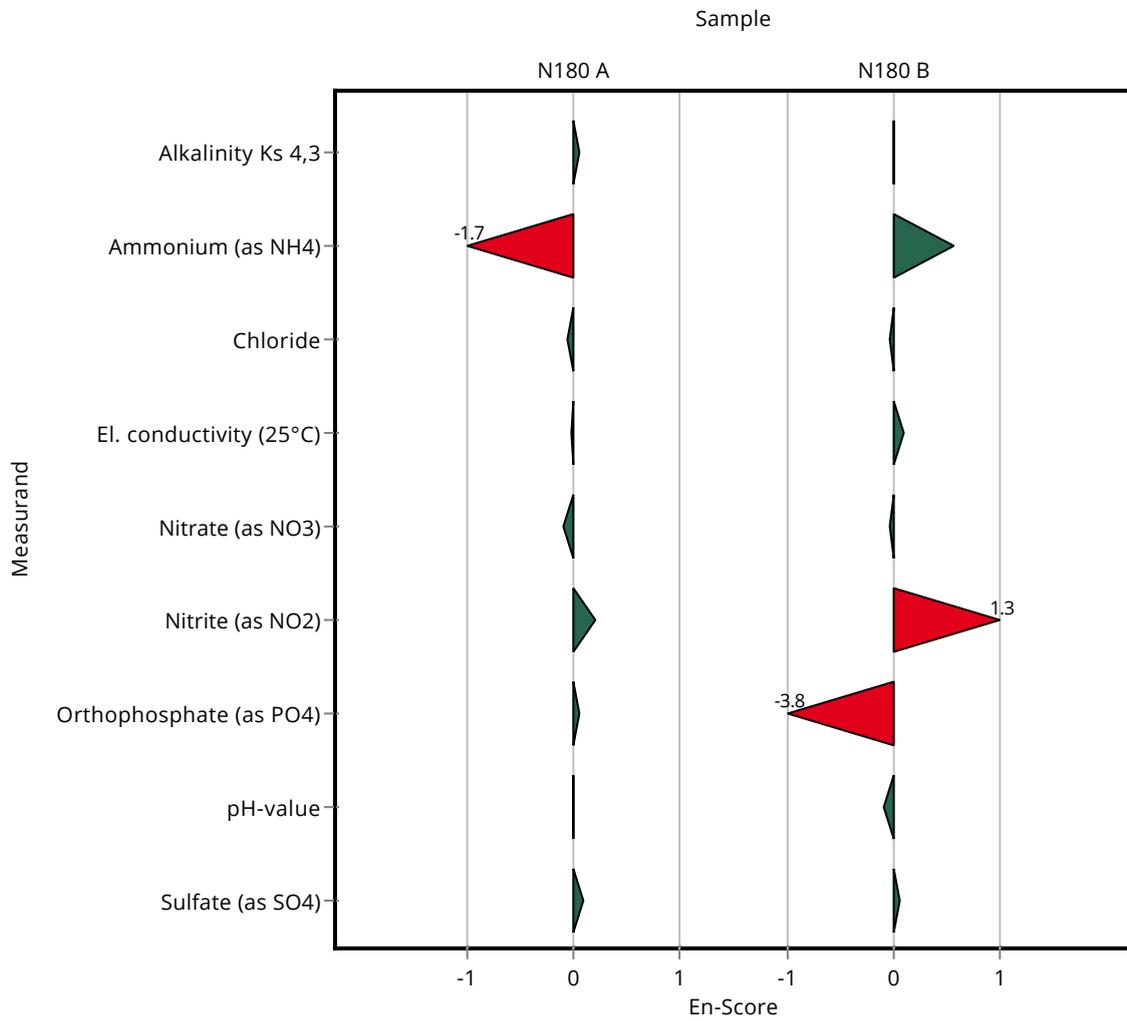
Sample: N180B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	3.5 \pm 0.0202	3.5 \pm 0.175	0.0699	100	0.01

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Ammonium (as NH4)	mg/l	0.29 \pm 0.0086	0.442 \pm 0.133	0.0348	152	0.57
Boron	mg/l	0.0162 \pm 0.000839	- \pm -	0.00179	-	-
Calcium	mg/l	65.6 \pm 0.729	- \pm -	2.03	-	-
Chloride	mg/l	41.2 \pm 0.375	40.9 \pm 6.14	1.65	99.4	-0.02
El. conductivity (25°C)	μ S/cm	571 \pm 1.88	576 \pm 28.8	7.42	101	0.09
Hydrogen carbonate	mg/l	211 \pm 1.2	- \pm -	4.22	-	-
Magnesium	mg/l	15.8 \pm 0.174	- \pm -	0.632	-	-
Nitrate (as NO3)	mg/l	29.5 \pm 0.271	29.2 \pm 4.38	1.48	98.8	-0.04
Nitrite (as NO2)	mg/l	0.385 \pm 0.00518	0.685 \pm 0.116	0.0204	178	1.29
Orthophosphate (as PO4)	mg/l	0.411 \pm 0.051	0.132 \pm 0.026	0.123	32.1	-3.83
pH-value	-	7.58 \pm 0.0328	7.51 \pm 0.376	0.152	99.1	-0.09
Potassium	mg/l	2.79 \pm 0.0421	- \pm -	0.145	-	-
Sodium	mg/l	24.8 \pm 0.253	- \pm -	0.844	-	-
Sulfate (as SO4)	mg/l	32 \pm 0.308	32.6 \pm 4.95	1.06	102	0.06
Total-P (as PO4)	mg/l	2.01 \pm 0.0245	- \pm -	0.151	-	-
Total hardness	mmol/l	2.29 \pm 0.0232	- \pm -	0.0686	-	-
Total nitrogen	mg/l	7.29 \pm 0.23	- \pm -	0.605	-	-

Sample: N180BDOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	2.87 \pm 0.0629	- \pm -	0.287	-	-



Sample: N180A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	7.31 \pm 0.0254	7.487 \pm 0.416	0.146	102	1.21
Ammonium (as NH ₄)	mg/l	0.0867 \pm 0.00322	0.085 \pm 0.009	0.0104	98	-0.17
Boron	mg/l	0.0592 \pm 0.00162	0.061 \pm 0.011	0.00652	103	0.27
Calcium	mg/l	168 \pm 1.9	164.57 \pm 9.05	5.2	98.1	-0.62
Chloride	mg/l	110 \pm 0.63	110.41 \pm 11.6	4.41	100	0.05
El. conductivity (25°C)	μ S/cm	1170 \pm 4.33	1167 \pm 64.2	15.3	99.4	-0.46
Hydrogen carbonate	mg/l	445 \pm 1.63	454 \pm 24.97	8.9	102	0.99
Magnesium	mg/l	39.8 \pm 0.541	40.58 \pm 1.42	1.59	102	0.51
Nitrate (as NO ₃)	mg/l	10.1 \pm 0.0896	10.39 \pm 0.79	0.507	102	0.48
Nitrite (as NO ₂)	mg/l	0.0307 \pm 0.00108	0.031 \pm 0.003	0.00307	101	0.11
Orthophosphate (as PO ₄)	mg/l	0.051 \pm 0.00379	0.051 \pm 0.005	0.0102	99.9	0.00
pH-value	-	7.6 \pm 0.0251	7.54 \pm 0.19	0.152	99.2	-0.42
Potassium	mg/l	2.5 \pm 0.0456	2.61 \pm 0.091	0.13	105	0.88
Sodium	mg/l	23.3 \pm 0.188	24 \pm 0.84	0.791	103	0.94
Sulfate (as SO ₄)	mg/l	106 \pm 0.947	105.77 \pm 9.09	3.51	99.4	-0.19
Total-P (as PO ₄)	mg/l	0.145 \pm 0.00263	0.149 \pm 0.015	0.0109	103	0.34
Total hardness	mmol/l	5.84 \pm 0.0648	5.77 \pm 0.58	0.175	98.8	-0.39
Total nitrogen	mg/l	2.49 \pm 0.0962	2.75 \pm 0.275	0.207	110	1.24

Sample: N180ADOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.55 \pm 0.082	1.413 \pm 0.283	0.186	91	-0.75

Sample: N180B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	3.5 \pm 0.0202	3.57 \pm 0.196	0.0699	102	1.07

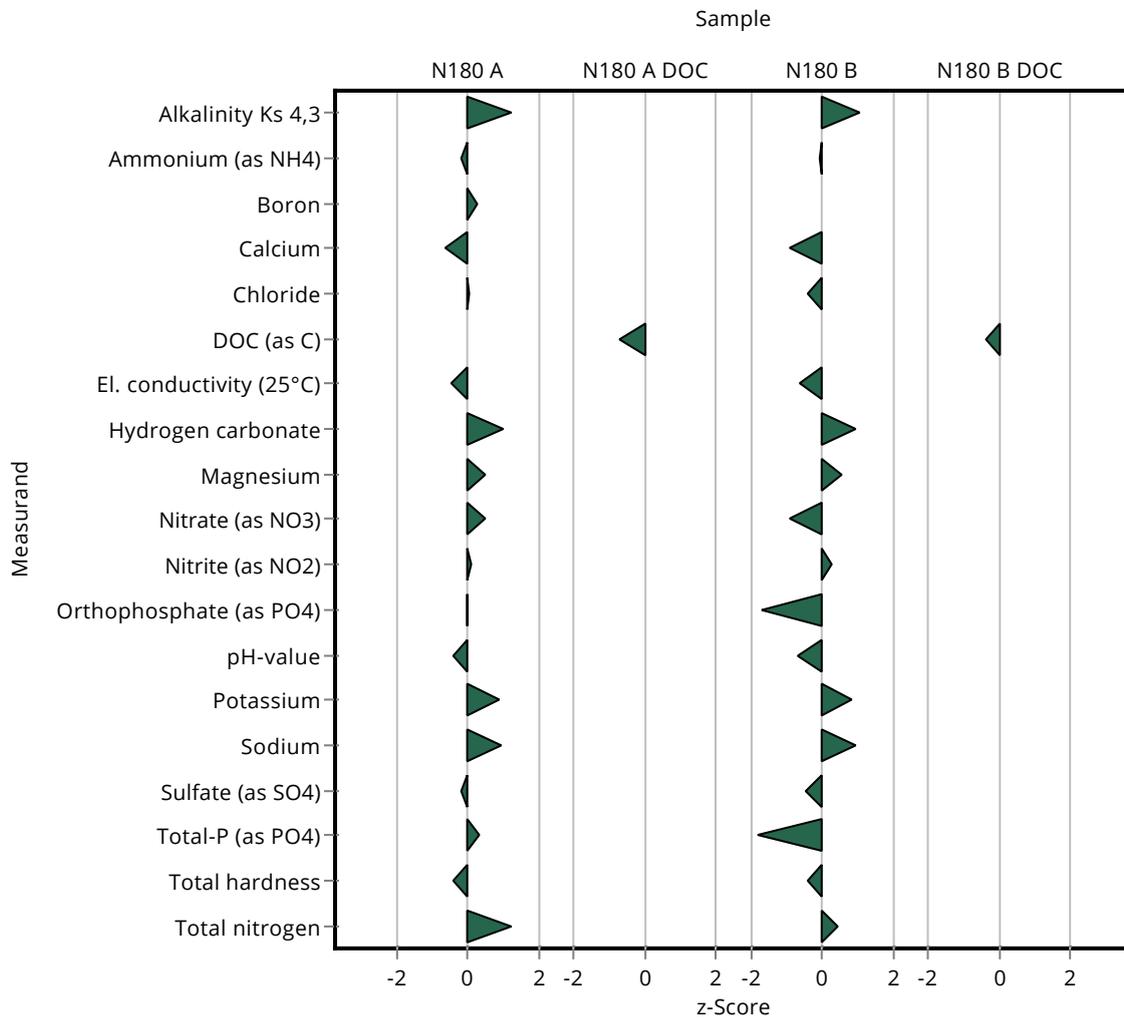
Summary of results Nutrients/Major Ions N180

Labcode: LC0022

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.29 \pm 0.0086	0.288 \pm 0.029	0.0348	99.3	-0.06
Boron	mg/l	0.0162 \pm 0.000839	<0.02 \pm -	0.00179	-	-
Calcium	mg/l	65.6 \pm 0.729	63.78 \pm 3.51	2.03	97.2	-0.91
Chloride	mg/l	41.2 \pm 0.375	40.48 \pm 4.1	1.65	98.3	-0.41
El. conductivity (25°C)	μ S/cm	571 \pm 1.88	566 \pm 31.13	7.42	99.2	-0.62
Hydrogen carbonate	mg/l	211 \pm 1.2	215 \pm 12.04	4.22	102	0.92
Magnesium	mg/l	15.8 \pm 0.174	16.16 \pm 0.57	0.632	102	0.57
Nitrate (as NO ₃)	mg/l	29.5 \pm 0.271	28.23 \pm 2.14	1.48	95.5	-0.89
Nitrite (as NO ₂)	mg/l	0.385 \pm 0.00518	0.391 \pm 0.039	0.0204	101	0.27
Orthophosphate (as PO ₄)	mg/l	0.411 \pm 0.051	0.198 \pm 0.02	0.123	48.2	-1.73
pH-value	-	7.58 \pm 0.0328	7.47 \pm 0.19	0.152	98.6	-0.71
Potassium	mg/l	2.79 \pm 0.0421	2.92 \pm 0.1	0.145	104	0.86
Sodium	mg/l	24.8 \pm 0.253	25.62 \pm 0.9	0.844	103	0.94
Sulfate (as SO ₄)	mg/l	32 \pm 0.308	31.54 \pm 2.71	1.06	98.5	-0.47
Total-P (as PO ₄)	mg/l	2.01 \pm 0.0245	1.73 \pm 0.17	0.151	86.2	-1.84
Total hardness	mmol/l	2.29 \pm 0.0232	2.26 \pm 0.23	0.0686	98.8	-0.41
Total nitrogen	mg/l	7.29 \pm 0.23	7.55 \pm 0.75	0.605	104	0.43

Sample: N180BDOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.87 \pm 0.0629	2.755 \pm 0.551	0.287	96	-0.40



Sample: N180A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	7.31 \pm 0.0254	7.487 \pm 0.416	0.146	102	0.21
Ammonium (as NH ₄)	mg/l	0.0867 \pm 0.00322	0.085 \pm 0.009	0.0104	98	-0.10
Boron	mg/l	0.0592 \pm 0.00162	0.061 \pm 0.011	0.00652	103	0.08
Calcium	mg/l	168 \pm 1.9	164.57 \pm 9.05	5.2	98.1	-0.18
Chloride	mg/l	110 \pm 0.63	110.41 \pm 11.6	4.41	100	0.01
El. conductivity (25°C)	μ S/cm	1170 \pm 4.33	1167 \pm 64.2	15.3	99.4	-0.05
Hydrogen carbonate	mg/l	445 \pm 1.63	454 \pm 24.97	8.9	102	0.18
Magnesium	mg/l	39.8 \pm 0.541	40.58 \pm 1.42	1.59	102	0.28
Nitrate (as NO ₃)	mg/l	10.1 \pm 0.0896	10.39 \pm 0.79	0.507	102	0.15
Nitrite (as NO ₂)	mg/l	0.0307 \pm 0.00108	0.031 \pm 0.003	0.00307	101	0.05
Orthophosphate (as PO ₄)	mg/l	0.051 \pm 0.00379	0.051 \pm 0.005	0.0102	99.9	0.00
pH-value	-	7.6 \pm 0.0251	7.54 \pm 0.19	0.152	99.2	-0.17
Potassium	mg/l	2.5 \pm 0.0456	2.61 \pm 0.091	0.13	105	0.61
Sodium	mg/l	23.3 \pm 0.188	24 \pm 0.84	0.791	103	0.44
Sulfate (as SO ₄)	mg/l	106 \pm 0.947	105.77 \pm 9.09	3.51	99.4	-0.04
Total-P (as PO ₄)	mg/l	0.145 \pm 0.00263	0.149 \pm 0.015	0.0109	103	0.12
Total hardness	mmol/l	5.84 \pm 0.0648	5.77 \pm 0.58	0.175	98.8	-0.06
Total nitrogen	mg/l	2.49 \pm 0.0962	2.75 \pm 0.275	0.207	110	0.46

Sample: N180ADOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.55 \pm 0.082	1.413 \pm 0.283	0.186	91	-0.24

Sample: N180B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	3.5 \pm 0.0202	3.57 \pm 0.196	0.0699	102	0.19

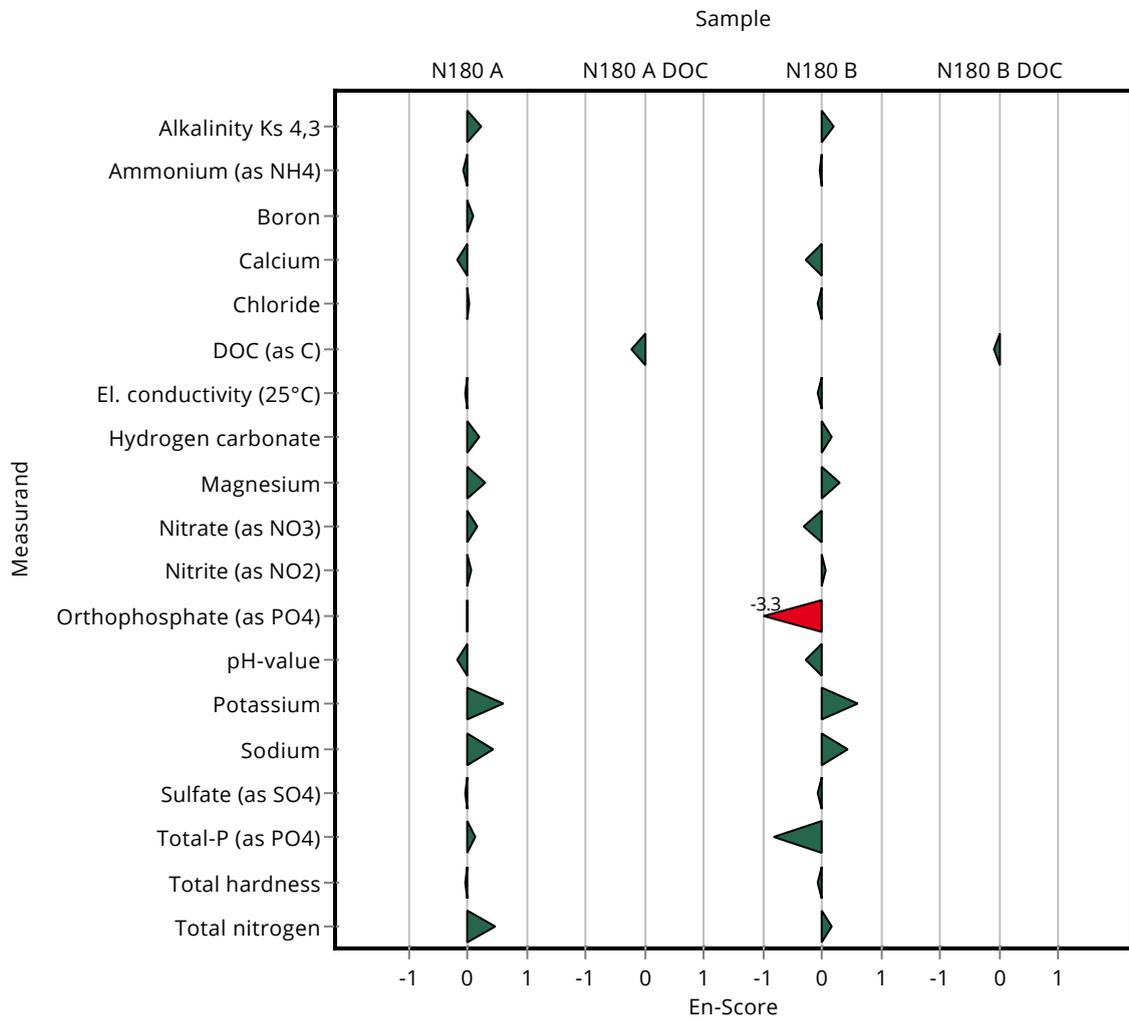
Summary of results Nutrients/Major Ions N180 - En-Score

Labcode: LC0022

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.29 \pm 0.0086	0.288 \pm 0.029	0.0348	99.3	-0.03
Boron	mg/l	0.0162 \pm 0.000839	<0.02 \pm -	0.00179	-	-
Calcium	mg/l	65.6 \pm 0.729	63.78 \pm 3.51	2.03	97.2	-0.26
Chloride	mg/l	41.2 \pm 0.375	40.48 \pm 4.1	1.65	98.3	-0.08
El. conductivity (25°C)	μ S/cm	571 \pm 1.88	566 \pm 31.13	7.42	99.2	-0.07
Hydrogen carbonate	mg/l	211 \pm 1.2	215 \pm 12.04	4.22	102	0.16
Magnesium	mg/l	15.8 \pm 0.174	16.16 \pm 0.57	0.632	102	0.31
Nitrate (as NO ₃)	mg/l	29.5 \pm 0.271	28.23 \pm 2.14	1.48	95.5	-0.31
Nitrite (as NO ₂)	mg/l	0.385 \pm 0.00518	0.391 \pm 0.039	0.0204	101	0.07
Orthophosphate (as PO ₄)	mg/l	0.411 \pm 0.051	0.198 \pm 0.02	0.123	48.2	-3.29
pH-value	-	7.58 \pm 0.0328	7.47 \pm 0.19	0.152	98.6	-0.28
Potassium	mg/l	2.79 \pm 0.0421	2.92 \pm 0.1	0.145	104	0.61
Sodium	mg/l	24.8 \pm 0.253	25.62 \pm 0.9	0.844	103	0.43
Sulfate (as SO ₄)	mg/l	32 \pm 0.308	31.54 \pm 2.71	1.06	98.5	-0.09
Total-P (as PO ₄)	mg/l	2.01 \pm 0.0245	1.73 \pm 0.17	0.151	86.2	-0.81
Total hardness	mmol/l	2.29 \pm 0.0232	2.26 \pm 0.23	0.0686	98.8	-0.06
Total nitrogen	mg/l	7.29 \pm 0.23	7.55 \pm 0.75	0.605	104	0.17

Sample: N180BDOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	2.87 \pm 0.0629	2.755 \pm 0.551	0.287	96	-0.10



Sample: N180A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	7.31 \pm 0.0254	7.27 \pm 0.36	0.146	99.5	-0.27
Ammonium (as NH ₄)	mg/l	0.0867 \pm 0.00322	0.0914 \pm 0.009	0.0104	105	0.45
Boron	mg/l	0.0592 \pm 0.00162	0.0579 \pm 0.0058	0.00652	97.8	-0.20
Calcium	mg/l	168 \pm 1.9	168 \pm 8	5.2	100	0.04
Chloride	mg/l	110 \pm 0.63	110.5 \pm 0.3	4.41	100	0.07
El. conductivity (25°C)	μ S/cm	1170 \pm 4.33	1182 \pm 35	15.3	101	0.53
Hydrogen carbonate	mg/l	445 \pm 1.63	443.6 \pm 0.8	8.9	99.6	-0.18
Magnesium	mg/l	39.8 \pm 0.541	39.8 \pm 2.3	1.59	100	0.02
Nitrate (as NO ₃)	mg/l	10.1 \pm 0.0896	10 \pm 0.3	0.507	98.6	-0.29
Nitrite (as NO ₂)	mg/l	0.0307 \pm 0.00108	0.0355 \pm 0.0012	0.00307	116	1.58
Orthophosphate (as PO ₄)	mg/l	0.051 \pm 0.00379	0.0527 \pm 0.0025	0.0102	103	0.16
pH-value	-	7.6 \pm 0.0251	7.61 \pm 0.3	0.152	100	0.04
Potassium	mg/l	2.5 \pm 0.0456	2.4 \pm 0.19	0.13	96.2	-0.73
Sodium	mg/l	23.3 \pm 0.188	23 \pm 0.7	0.791	98.9	-0.33
Sulfate (as SO ₄)	mg/l	106 \pm 0.947	104.8 \pm 0.2	3.51	98.5	-0.46
Total-P (as PO ₄)	mg/l	0.145 \pm 0.00263	0.146 \pm 0.01	0.0109	100	0.07
Total hardness	mmol/l	5.84 \pm 0.0648	5.83 \pm 0.44	0.175	99.8	-0.05
Total nitrogen	mg/l	2.49 \pm 0.0962	2.28 \pm 0.23	0.207	91.4	-1.03

Sample: N180ADOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.55 \pm 0.082	1.58 \pm 0.09	0.186	102	0.15

Sample: N180B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	3.5 \pm 0.0202	3.44 \pm 0.17	0.0699	98.4	-0.79

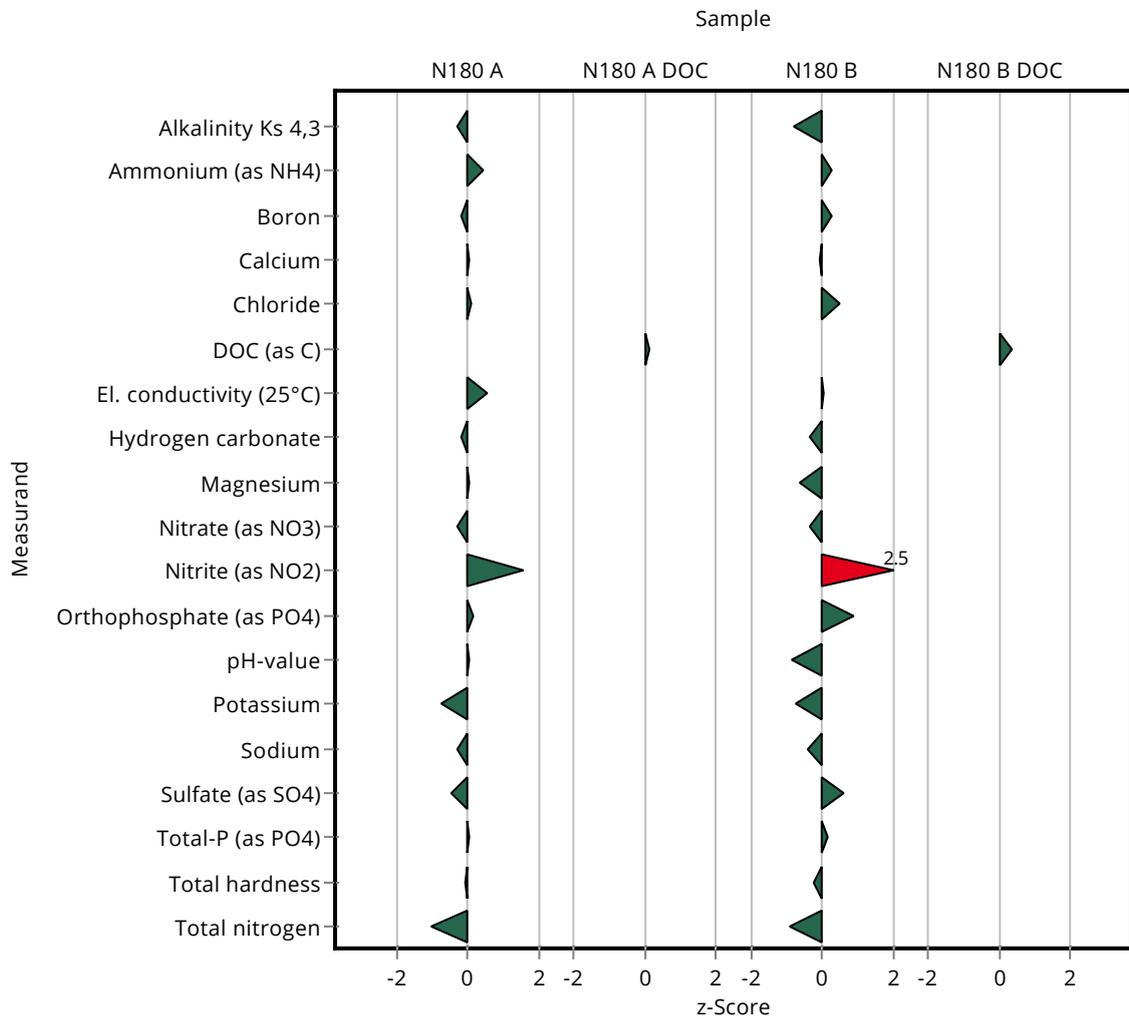
Summary of results Nutrients/Major Ions N180

Labcode: LC0023

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.29 \pm 0.0086	0.3 \pm 0.03	0.0348	103	0.29
Boron	mg/l	0.0162 \pm 0.000839	0.0167 \pm 0.0017	0.00179	103	0.26
Calcium	mg/l	65.6 \pm 0.729	65.5 \pm 3.1	2.03	99.8	-0.07
Chloride	mg/l	41.2 \pm 0.375	42 \pm 0.2	1.65	102	0.51
El. conductivity (25°C)	μ S/cm	571 \pm 1.88	571 \pm 17	7.42	100	0.06
Hydrogen carbonate	mg/l	211 \pm 1.2	209.7 \pm 0.8	4.22	99.3	-0.33
Magnesium	mg/l	15.8 \pm 0.174	15.4 \pm 0.9	0.632	97.5	-0.63
Nitrate (as NO ₃)	mg/l	29.5 \pm 0.271	29 \pm 0.5	1.48	98.2	-0.37
Nitrite (as NO ₂)	mg/l	0.385 \pm 0.00518	0.437 \pm 0.008	0.0204	113	2.52
Orthophosphate (as PO ₄)	mg/l	0.411 \pm 0.051	0.52 \pm 0.025	0.123	127	0.88
pH-value	-	7.58 \pm 0.0328	7.45 \pm 0.3	0.152	98.3	-0.84
Potassium	mg/l	2.79 \pm 0.0421	2.69 \pm 0.21	0.145	96.3	-0.72
Sodium	mg/l	24.8 \pm 0.253	24.5 \pm 0.8	0.844	98.7	-0.39
Sulfate (as SO ₄)	mg/l	32 \pm 0.308	32.7 \pm 0.2	1.06	102	0.63
Total-P (as PO ₄)	mg/l	2.01 \pm 0.0245	2.03 \pm 0.14	0.151	101	0.15
Total hardness	mmol/l	2.29 \pm 0.0232	2.27 \pm 0.17	0.0686	99.2	-0.26
Total nitrogen	mg/l	7.29 \pm 0.23	6.75 \pm 0.67	0.605	92.6	-0.89

Sample: N180BDOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.87 \pm 0.0629	2.97 \pm 0.08	0.287	103	0.35



Sample: N180A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	7.31 \pm 0.0254	7.27 \pm 0.36	0.146	99.5	-0.06
Ammonium (as NH ₄)	mg/l	0.0867 \pm 0.00322	0.0914 \pm 0.009	0.0104	105	0.25
Boron	mg/l	0.0592 \pm 0.00162	0.0579 \pm 0.0058	0.00652	97.8	-0.11
Calcium	mg/l	168 \pm 1.9	168 \pm 8	5.2	100	0.01
Chloride	mg/l	110 \pm 0.63	110.5 \pm 0.3	4.41	100	0.36
El. conductivity (25°C)	μ S/cm	1170 \pm 4.33	1182 \pm 35	15.3	101	0.11
Hydrogen carbonate	mg/l	445 \pm 1.63	443.6 \pm 0.8	8.9	99.6	-0.70
Magnesium	mg/l	39.8 \pm 0.541	39.8 \pm 2.3	1.59	100	0.01
Nitrate (as NO ₃)	mg/l	10.1 \pm 0.0896	10 \pm 0.3	0.507	98.6	-0.24
Nitrite (as NO ₂)	mg/l	0.0307 \pm 0.00108	0.0355 \pm 0.0012	0.00307	116	1.84
Orthophosphate (as PO ₄)	mg/l	0.051 \pm 0.00379	0.0527 \pm 0.0025	0.0102	103	0.27
pH-value	-	7.6 \pm 0.0251	7.61 \pm 0.3	0.152	100	0.01
Potassium	mg/l	2.5 \pm 0.0456	2.4 \pm 0.19	0.13	96.2	-0.25
Sodium	mg/l	23.3 \pm 0.188	23 \pm 0.7	0.791	98.9	-0.18
Sulfate (as SO ₄)	mg/l	106 \pm 0.947	104.8 \pm 0.2	3.51	98.5	-1.59
Total-P (as PO ₄)	mg/l	0.145 \pm 0.00263	0.146 \pm 0.01	0.0109	100	0.04
Total hardness	mmol/l	5.84 \pm 0.0648	5.83 \pm 0.44	0.175	99.8	-0.01
Total nitrogen	mg/l	2.49 \pm 0.0962	2.28 \pm 0.23	0.207	91.4	-0.45

Sample: N180ADOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.55 \pm 0.082	1.58 \pm 0.09	0.186	102	0.14

Sample: N180B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	3.5 \pm 0.0202	3.44 \pm 0.17	0.0699	98.4	-0.16

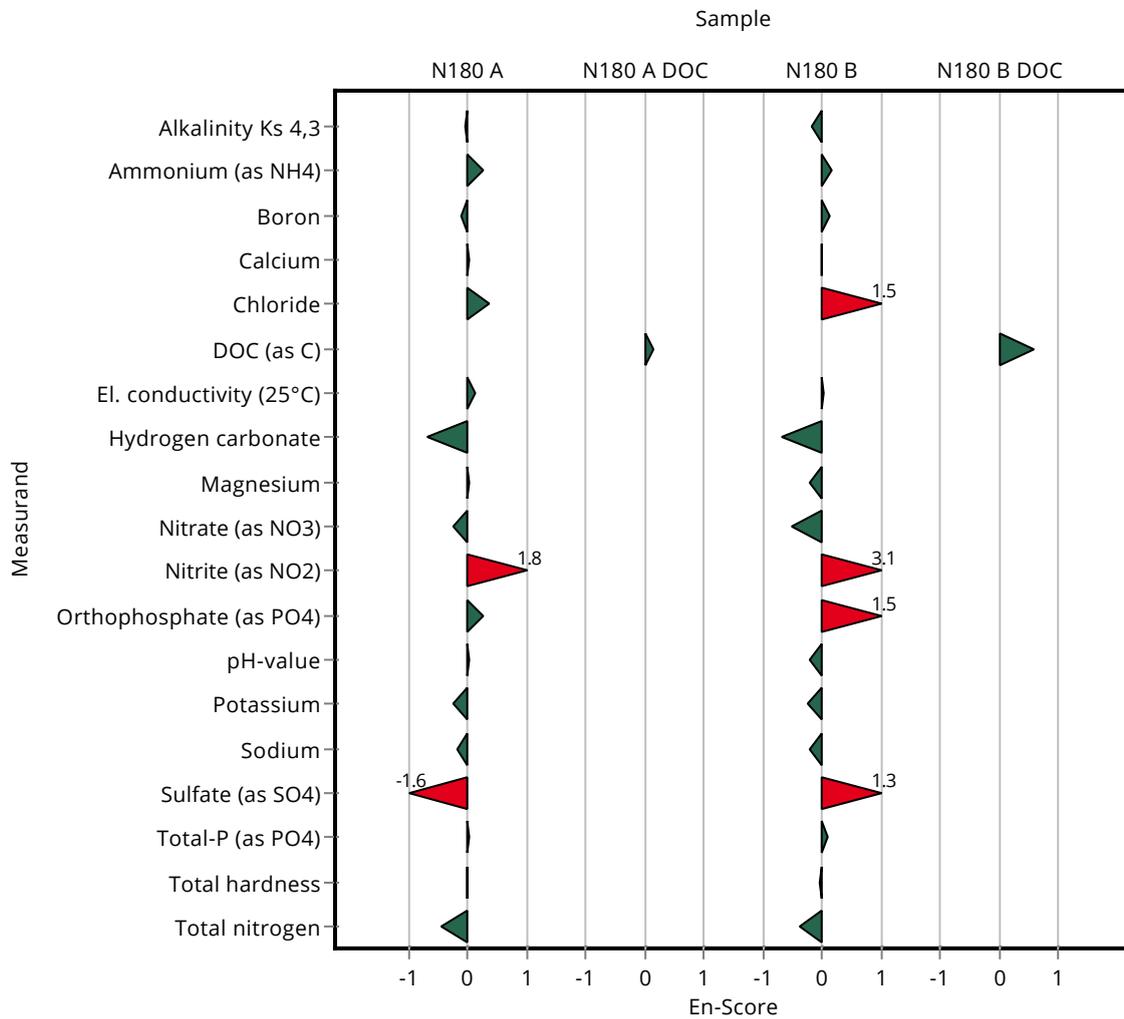
Summary of results Nutrients/Major Ions N180 - En-Score

Labcode: LC0023

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En- Score
Ammonium (as NH ₄)	mg/l	0.29 \pm 0.0086	0.3 \pm 0.03	0.0348	103	0.17
Boron	mg/l	0.0162 \pm 0.000839	0.0167 \pm 0.0017	0.00179	103	0.13
Calcium	mg/l	65.6 \pm 0.729	65.5 \pm 3.1	2.03	99.8	-0.02
Chloride	mg/l	41.2 \pm 0.375	42 \pm 0.2	1.65	102	1.53
El. conductivity (25°C)	μ S/cm	571 \pm 1.88	571 \pm 17	7.42	100	0.01
Hydrogen carbonate	mg/l	211 \pm 1.2	209.7 \pm 0.8	4.22	99.3	-0.70
Magnesium	mg/l	15.8 \pm 0.174	15.4 \pm 0.9	0.632	97.5	-0.22
Nitrate (as NO ₃)	mg/l	29.5 \pm 0.271	29 \pm 0.5	1.48	98.2	-0.53
Nitrite (as NO ₂)	mg/l	0.385 \pm 0.00518	0.437 \pm 0.008	0.0204	113	3.06
Orthophosphate (as PO ₄)	mg/l	0.411 \pm 0.051	0.52 \pm 0.025	0.123	127	1.53
pH-value	-	7.58 \pm 0.0328	7.45 \pm 0.3	0.152	98.3	-0.21
Potassium	mg/l	2.79 \pm 0.0421	2.69 \pm 0.21	0.145	96.3	-0.25
Sodium	mg/l	24.8 \pm 0.253	24.5 \pm 0.8	0.844	98.7	-0.20
Sulfate (as SO ₄)	mg/l	32 \pm 0.308	32.7 \pm 0.2	1.06	102	1.32
Total-P (as PO ₄)	mg/l	2.01 \pm 0.0245	2.03 \pm 0.14	0.151	101	0.08
Total hardness	mmol/l	2.29 \pm 0.0232	2.27 \pm 0.17	0.0686	99.2	-0.05
Total nitrogen	mg/l	7.29 \pm 0.23	6.75 \pm 0.67	0.605	92.6	-0.40

Sample: N180BDOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En- Score
DOC (as C)	mg/l	2.87 \pm 0.0629	2.97 \pm 0.08	0.287	103	0.58



Sample: N180A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	7.31 \pm 0.0254	7.3 \pm 0.3	0.146	99.9	-0.07
Ammonium (as NH ₄)	mg/l	0.0867 \pm 0.00322	- \pm -	0.0104	-	-
Boron	mg/l	0.0592 \pm 0.00162	- \pm -	0.00652	-	-
Calcium	mg/l	168 \pm 1.9	- \pm -	5.2	-	-
Chloride	mg/l	110 \pm 0.63	- \pm -	4.41	-	-
El. conductivity (25°C)	μ S/cm	1170 \pm 4.33	1185 \pm 13	15.3	101	0.72
Hydrogen carbonate	mg/l	445 \pm 1.63	- \pm -	8.9	-	-
Magnesium	mg/l	39.8 \pm 0.541	- \pm -	1.59	-	-
Nitrate (as NO ₃)	mg/l	10.1 \pm 0.0896	- \pm -	0.507	-	-
Nitrite (as NO ₂)	mg/l	0.0307 \pm 0.00108	- \pm -	0.00307	-	-
Orthophosphate (as PO ₄)	mg/l	0.051 \pm 0.00379	- \pm -	0.0102	-	-
pH-value	-	7.6 \pm 0.0251	7.66 \pm 0.11	0.152	101	0.37
Potassium	mg/l	2.5 \pm 0.0456	- \pm -	0.13	-	-
Sodium	mg/l	23.3 \pm 0.188	- \pm -	0.791	-	-
Sulfate (as SO ₄)	mg/l	106 \pm 0.947	- \pm -	3.51	-	-
Total-P (as PO ₄)	mg/l	0.145 \pm 0.00263	- \pm -	0.0109	-	-
Total hardness	mmol/l	5.84 \pm 0.0648	- \pm -	0.175	-	-
Total nitrogen	mg/l	2.49 \pm 0.0962	- \pm -	0.207	-	-

Sample: N180ADOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.55 \pm 0.082	1.7 \pm 0.2	0.186	110	0.79

Sample: N180B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	3.5 \pm 0.0202	3.46 \pm 0.14	0.0699	99	-0.50

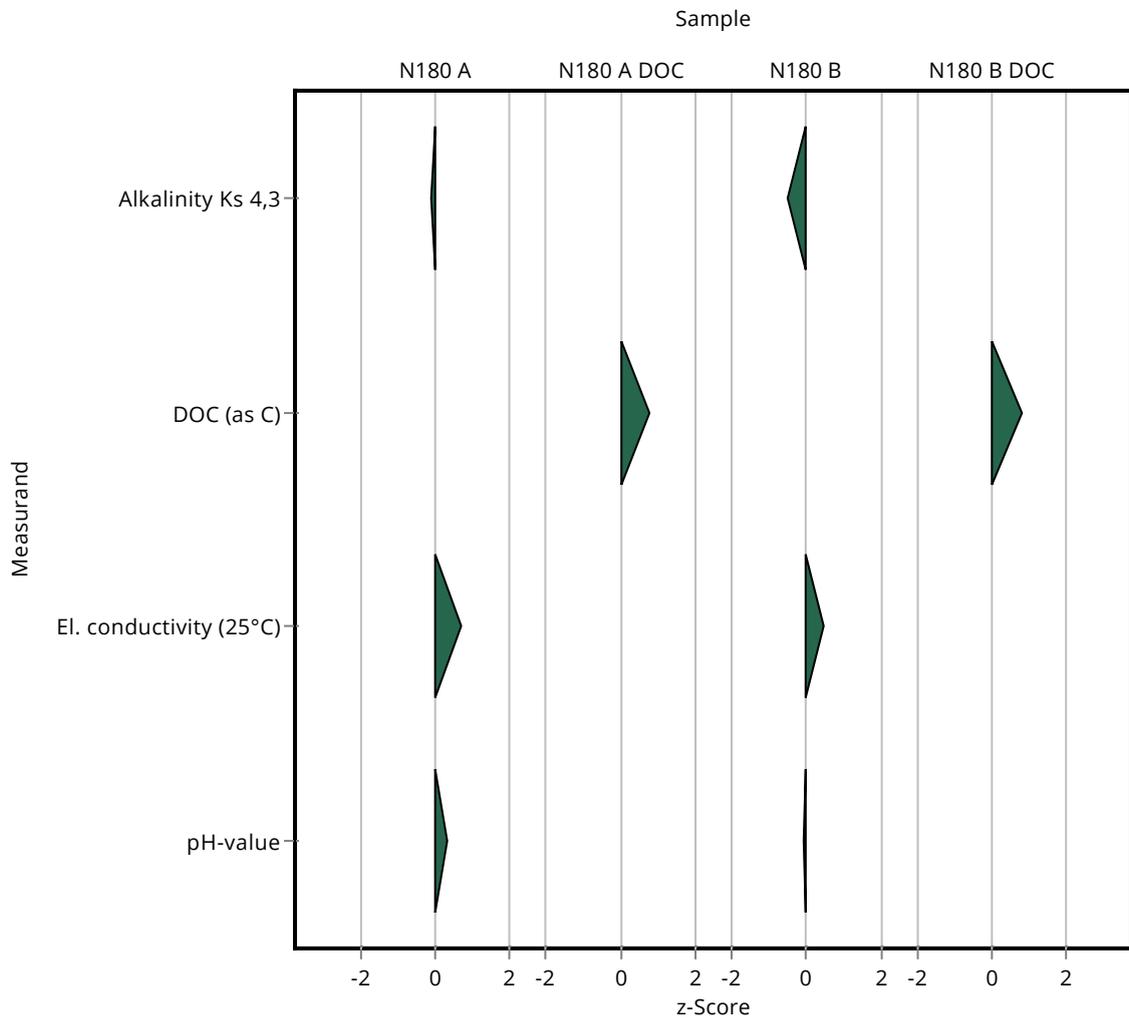
Summary of results Nutrients/Major Ions N180

Labcode: LC0024

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.29 \pm 0.0086	- \pm -	0.0348	-	-
Boron	mg/l	0.0162 \pm 0.000839	- \pm -	0.00179	-	-
Calcium	mg/l	65.6 \pm 0.729	- \pm -	2.03	-	-
Chloride	mg/l	41.2 \pm 0.375	- \pm -	1.65	-	-
El. conductivity (25°C)	μ S/cm	571 \pm 1.88	574 \pm 6	7.42	101	0.46
Hydrogen carbonate	mg/l	211 \pm 1.2	- \pm -	4.22	-	-
Magnesium	mg/l	15.8 \pm 0.174	- \pm -	0.632	-	-
Nitrate (as NO ₃)	mg/l	29.5 \pm 0.271	- \pm -	1.48	-	-
Nitrite (as NO ₂)	mg/l	0.385 \pm 0.00518	- \pm -	0.0204	-	-
Orthophosphate (as PO ₄)	mg/l	0.411 \pm 0.051	- \pm -	0.123	-	-
pH-value	-	7.58 \pm 0.0328	7.57 \pm 0.11	0.152	99.9	-0.05
Potassium	mg/l	2.79 \pm 0.0421	- \pm -	0.145	-	-
Sodium	mg/l	24.8 \pm 0.253	- \pm -	0.844	-	-
Sulfate (as SO ₄)	mg/l	32 \pm 0.308	- \pm -	1.06	-	-
Total-P (as PO ₄)	mg/l	2.01 \pm 0.0245	- \pm -	0.151	-	-
Total hardness	mmol/l	2.29 \pm 0.0232	- \pm -	0.0686	-	-
Total nitrogen	mg/l	7.29 \pm 0.23	- \pm -	0.605	-	-

Sample: N180BDOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.87 \pm 0.0629	3.1 \pm 0.37	0.287	108	0.80



Sample: N180A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	7.31 \pm 0.0254	7.3 \pm 0.3	0.146	99.9	-0.02
Ammonium (as NH ₄)	mg/l	0.0867 \pm 0.00322	- \pm -	0.0104	-	-
Boron	mg/l	0.0592 \pm 0.00162	- \pm -	0.00652	-	-
Calcium	mg/l	168 \pm 1.9	- \pm -	5.2	-	-
Chloride	mg/l	110 \pm 0.63	- \pm -	4.41	-	-
El. conductivity (25°C)	μ S/cm	1170 \pm 4.33	1185 \pm 13	15.3	101	0.42
Hydrogen carbonate	mg/l	445 \pm 1.63	- \pm -	8.9	-	-
Magnesium	mg/l	39.8 \pm 0.541	- \pm -	1.59	-	-
Nitrate (as NO ₃)	mg/l	10.1 \pm 0.0896	- \pm -	0.507	-	-
Nitrite (as NO ₂)	mg/l	0.0307 \pm 0.00108	- \pm -	0.00307	-	-
Orthophosphate (as PO ₄)	mg/l	0.051 \pm 0.00379	- \pm -	0.0102	-	-
pH-value	-	7.6 \pm 0.0251	7.66 \pm 0.11	0.152	101	0.25
Potassium	mg/l	2.5 \pm 0.0456	- \pm -	0.13	-	-
Sodium	mg/l	23.3 \pm 0.188	- \pm -	0.791	-	-
Sulfate (as SO ₄)	mg/l	106 \pm 0.947	- \pm -	3.51	-	-
Total-P (as PO ₄)	mg/l	0.145 \pm 0.00263	- \pm -	0.0109	-	-
Total hardness	mmol/l	5.84 \pm 0.0648	- \pm -	0.175	-	-
Total nitrogen	mg/l	2.49 \pm 0.0962	- \pm -	0.207	-	-

Sample: N180ADOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.55 \pm 0.082	1.7 \pm 0.2	0.186	110	0.36

Sample: N180B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	3.5 \pm 0.0202	3.46 \pm 0.14	0.0699	99	-0.13

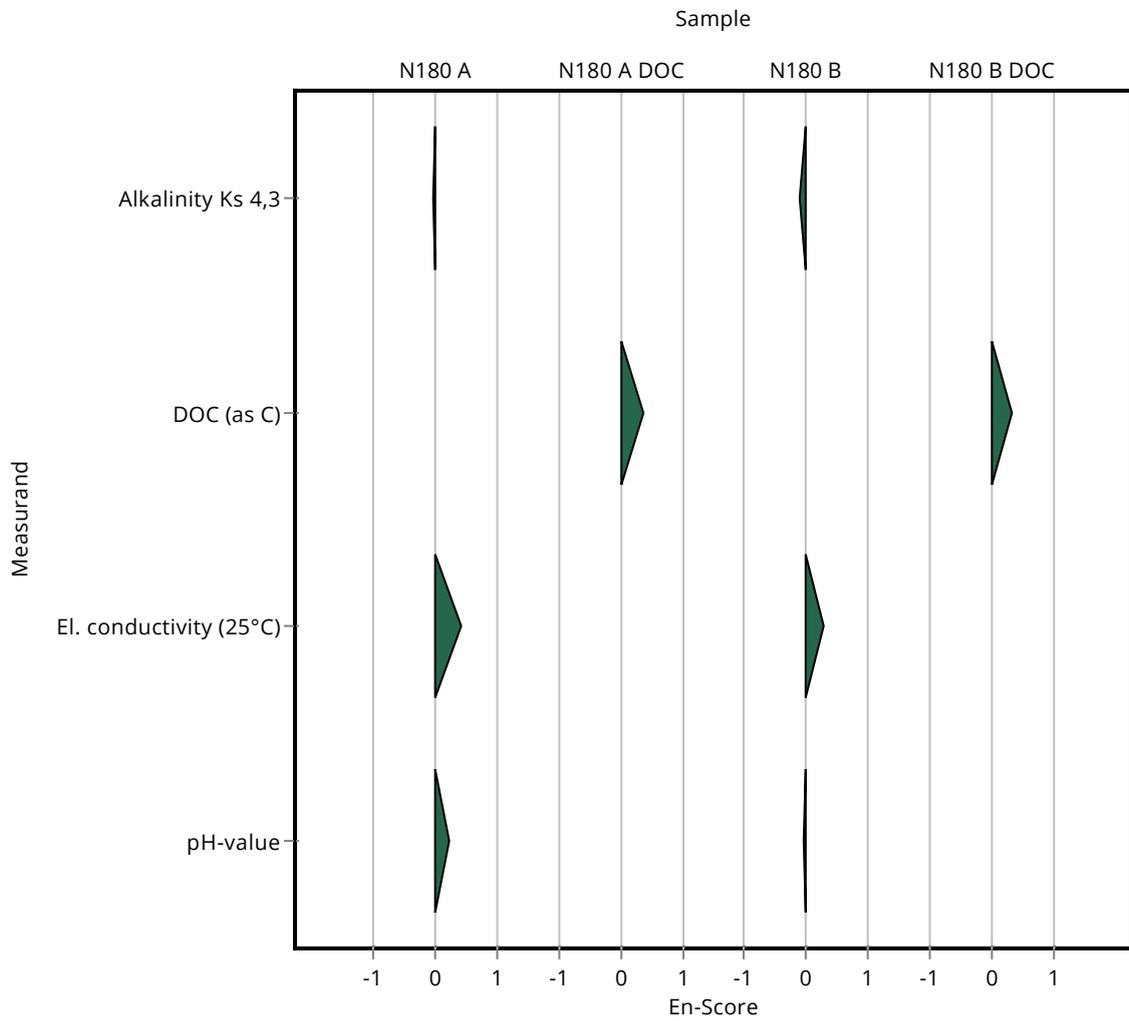
Summary of results Nutrients/Major Ions N180 - En-Score

Labcode: LC0024

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En- Score
Ammonium (as NH ₄)	mg/l	0.29 \pm 0.0086	- \pm -	0.0348	-	-
Boron	mg/l	0.0162 \pm 0.000839	- \pm -	0.00179	-	-
Calcium	mg/l	65.6 \pm 0.729	- \pm -	2.03	-	-
Chloride	mg/l	41.2 \pm 0.375	- \pm -	1.65	-	-
El. conductivity (25°C)	μ S/cm	571 \pm 1.88	574 \pm 6	7.42	101	0.28
Hydrogen carbonate	mg/l	211 \pm 1.2	- \pm -	4.22	-	-
Magnesium	mg/l	15.8 \pm 0.174	- \pm -	0.632	-	-
Nitrate (as NO ₃)	mg/l	29.5 \pm 0.271	- \pm -	1.48	-	-
Nitrite (as NO ₂)	mg/l	0.385 \pm 0.00518	- \pm -	0.0204	-	-
Orthophosphate (as PO ₄)	mg/l	0.411 \pm 0.051	- \pm -	0.123	-	-
pH-value	-	7.58 \pm 0.0328	7.57 \pm 0.11	0.152	99.9	-0.03
Potassium	mg/l	2.79 \pm 0.0421	- \pm -	0.145	-	-
Sodium	mg/l	24.8 \pm 0.253	- \pm -	0.844	-	-
Sulfate (as SO ₄)	mg/l	32 \pm 0.308	- \pm -	1.06	-	-
Total-P (as PO ₄)	mg/l	2.01 \pm 0.0245	- \pm -	0.151	-	-
Total hardness	mmol/l	2.29 \pm 0.0232	- \pm -	0.0686	-	-
Total nitrogen	mg/l	7.29 \pm 0.23	- \pm -	0.605	-	-

Sample: N180BDOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En- Score
DOC (as C)	mg/l	2.87 \pm 0.0629	3.1 \pm 0.37	0.287	108	0.31



Sample: N180A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	7.31 \pm 0.0254	7.3 \pm 0.4	0.146	99.9	-0.07
Ammonium (as NH ₄)	mg/l	0.0867 \pm 0.00322	0.09 \pm 0.019	0.0104	104	0.31
Boron	mg/l	0.0592 \pm 0.00162	0.057 \pm 0.006	0.00652	96.2	-0.34
Calcium	mg/l	168 \pm 1.9	164 \pm 10	5.2	97.7	-0.73
Chloride	mg/l	110 \pm 0.63	108 \pm 9	4.41	98	-0.50
El. conductivity (25°C)	μ S/cm	1170 \pm 4.33	1175 \pm 35	15.3	100	0.07
Hydrogen carbonate	mg/l	445 \pm 1.63	447 \pm 36	8.9	100	0.20
Magnesium	mg/l	39.8 \pm 0.541	39.5 \pm 3.2	1.59	99.3	-0.17
Nitrate (as NO ₃)	mg/l	10.1 \pm 0.0896	9.8 \pm 0.6	0.507	96.6	-0.68
Nitrite (as NO ₂)	mg/l	0.0307 \pm 0.00108	0.031 \pm 0.004	0.00307	101	0.11
Orthophosphate (as PO ₄)	mg/l	0.051 \pm 0.00379	0.045 \pm 0.009	0.0102	88.2	-0.59
pH-value	-	7.6 \pm 0.0251	7.6 \pm 0.3	0.152	99.9	-0.03
Potassium	mg/l	2.5 \pm 0.0456	2.29 \pm 0.18	0.13	91.8	-1.58
Sodium	mg/l	23.3 \pm 0.188	23.1 \pm 6.5	0.791	99.3	-0.20
Sulfate (as SO ₄)	mg/l	106 \pm 0.947	105 \pm 6	3.51	98.7	-0.41
Total-P (as PO ₄)	mg/l	0.145 \pm 0.00263	0.142 \pm 0.009	0.0109	97.7	-0.30
Total hardness	mmol/l	5.84 \pm 0.0648	5.7 \pm 0.3	0.175	97.6	-0.79
Total nitrogen	mg/l	2.49 \pm 0.0962	- \pm -	0.207	-	-

Sample: N180ADOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.55 \pm 0.082	1.41 \pm 0.08	0.186	90.8	-0.76

Sample: N180B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	3.5 \pm 0.0202	3.5 \pm 0.18	0.0699	100	0.07

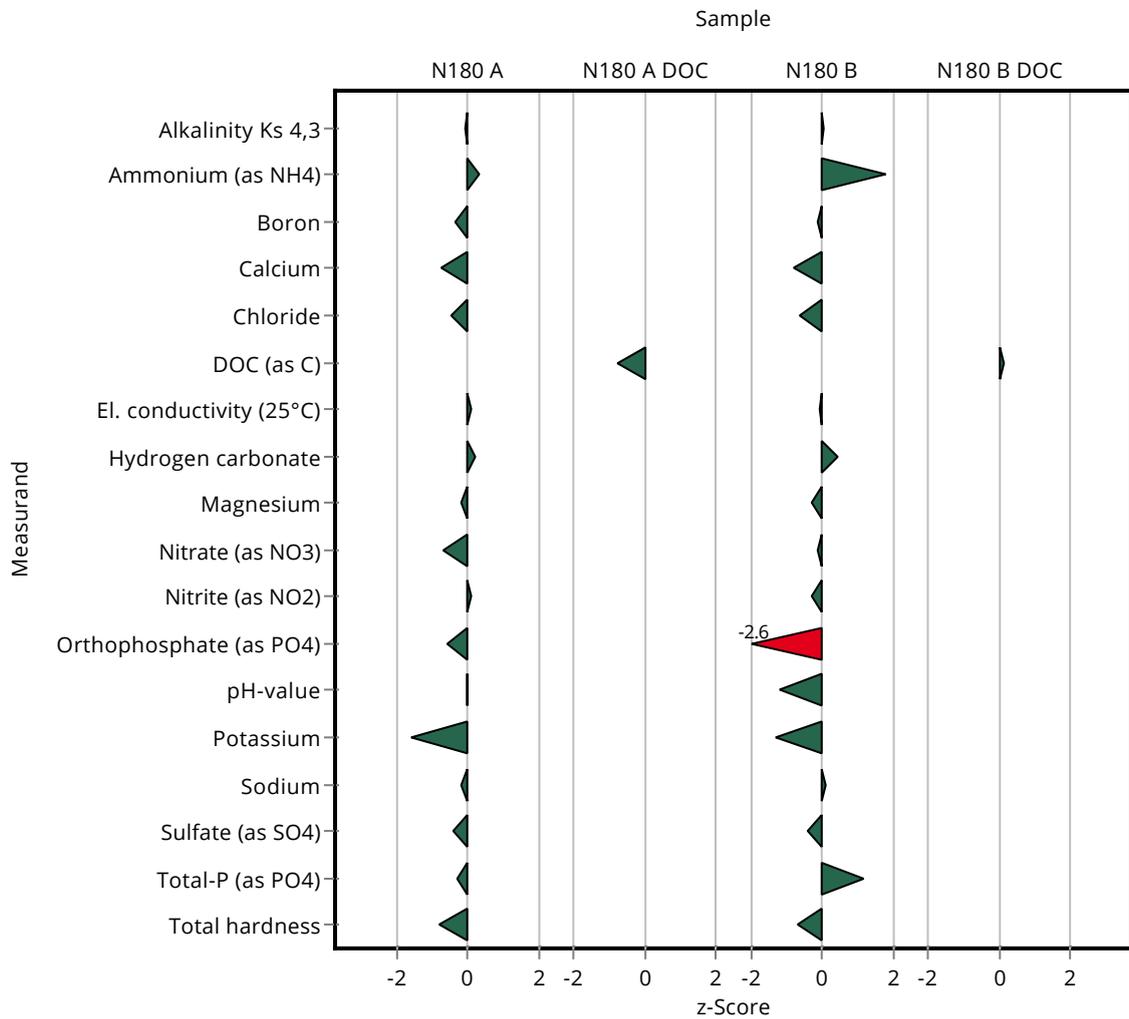
Summary of results Nutrients/Major Ions N180

Labcode: LC0025

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.29 \pm 0.0086	0.352 \pm 0.074	0.0348	121	1.78
Boron	mg/l	0.0162 \pm 0.000839	0.016 \pm 0.002	0.00179	98.6	-0.13
Calcium	mg/l	65.6 \pm 0.729	64 \pm 3.8	2.03	97.5	-0.81
Chloride	mg/l	41.2 \pm 0.375	40.1 \pm 3.2	1.65	97.4	-0.64
El. conductivity (25°C)	μ S/cm	571 \pm 1.88	570 \pm 17	7.42	99.9	-0.08
Hydrogen carbonate	mg/l	211 \pm 1.2	213 \pm 17.1	4.22	101	0.45
Magnesium	mg/l	15.8 \pm 0.174	15.6 \pm 0.21	0.632	98.7	-0.31
Nitrate (as NO ₃)	mg/l	29.5 \pm 0.271	29.4 \pm 1.76	1.48	99.5	-0.10
Nitrite (as NO ₂)	mg/l	0.385 \pm 0.00518	0.379 \pm 0.049	0.0204	98.3	-0.32
Orthophosphate (as PO ₄)	mg/l	0.411 \pm 0.051	0.091 \pm 0.02	0.123	22.1	-2.60
pH-value	-	7.58 \pm 0.0328	7.4 \pm 0.2	0.152	97.7	-1.17
Potassium	mg/l	2.79 \pm 0.0421	2.6 \pm 0.21	0.145	93	-1.34
Sodium	mg/l	24.8 \pm 0.253	24.9 \pm 1.49	0.844	100	0.08
Sulfate (as SO ₄)	mg/l	32 \pm 0.308	31.6 \pm 1.9	1.06	98.6	-0.41
Total-P (as PO ₄)	mg/l	2.01 \pm 0.0245	2.181 \pm 0.305	0.151	109	1.15
Total hardness	mmol/l	2.29 \pm 0.0232	2.24 \pm 0.11	0.0686	97.9	-0.70
Total nitrogen	mg/l	7.29 \pm 0.23	- \pm -	0.605	-	-

Sample: N180BDOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.87 \pm 0.0629	2.91 \pm 0.17	0.287	101	0.14



Sample: N180A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	7.31 \pm 0.0254	7.3 \pm 0.4	0.146	99.9	-0.01
Ammonium (as NH ₄)	mg/l	0.0867 \pm 0.00322	0.09 \pm 0.019	0.0104	104	0.09
Boron	mg/l	0.0592 \pm 0.00162	0.057 \pm 0.006	0.00652	96.2	-0.18
Calcium	mg/l	168 \pm 1.9	164 \pm 10	5.2	97.7	-0.19
Chloride	mg/l	110 \pm 0.63	108 \pm 9	4.41	98	-0.12
El. conductivity (25°C)	μ S/cm	1170 \pm 4.33	1175 \pm 35	15.3	100	0.01
Hydrogen carbonate	mg/l	445 \pm 1.63	447 \pm 36	8.9	100	0.03
Magnesium	mg/l	39.8 \pm 0.541	39.5 \pm 3.2	1.59	99.3	-0.04
Nitrate (as NO ₃)	mg/l	10.1 \pm 0.0896	9.8 \pm 0.6	0.507	96.6	-0.29
Nitrite (as NO ₂)	mg/l	0.0307 \pm 0.00108	0.031 \pm 0.004	0.00307	101	0.04
Orthophosphate (as PO ₄)	mg/l	0.051 \pm 0.00379	0.045 \pm 0.009	0.0102	88.2	-0.33
pH-value	-	7.6 \pm 0.0251	7.6 \pm 0.3	0.152	99.9	-0.01
Potassium	mg/l	2.5 \pm 0.0456	2.29 \pm 0.18	0.13	91.8	-0.57
Sodium	mg/l	23.3 \pm 0.188	23.1 \pm 6.5	0.791	99.3	-0.01
Sulfate (as SO ₄)	mg/l	106 \pm 0.947	105 \pm 6	3.51	98.7	-0.12
Total-P (as PO ₄)	mg/l	0.145 \pm 0.00263	0.142 \pm 0.009	0.0109	97.7	-0.18
Total hardness	mmol/l	5.84 \pm 0.0648	5.7 \pm 0.3	0.175	97.6	-0.23
Total nitrogen	mg/l	2.49 \pm 0.0962	- \pm -	0.207	-	-

Sample: N180ADOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.55 \pm 0.082	1.41 \pm 0.08	0.186	90.8	-0.79

Sample: N180B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	3.5 \pm 0.0202	3.5 \pm 0.18	0.0699	100	0.01

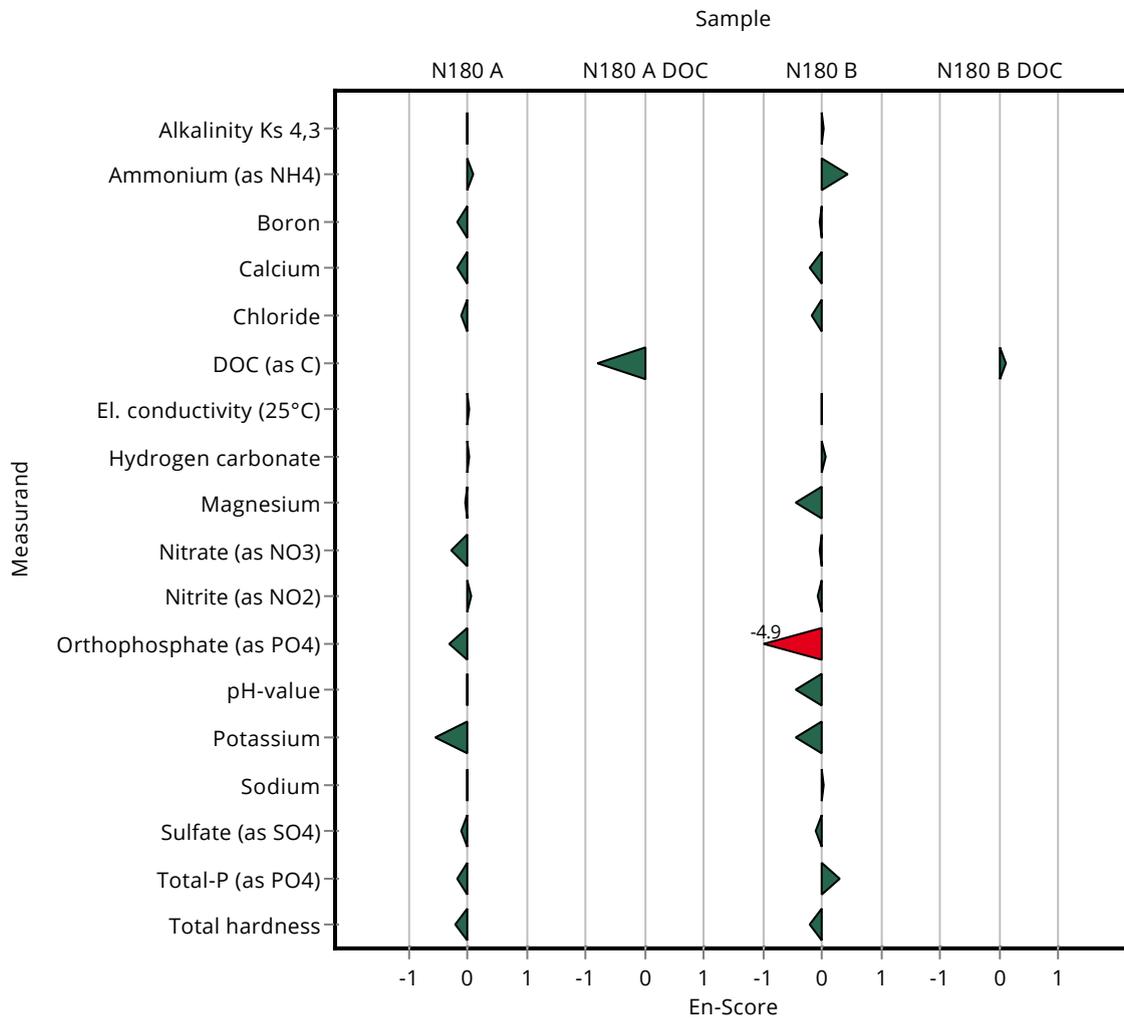
Summary of results Nutrients/Major Ions N180 - En-Score

Labcode: LC0025

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En- Score
Ammonium (as NH ₄)	mg/l	0.29 \pm 0.0086	0.352 \pm 0.074	0.0348	121	0.42
Boron	mg/l	0.0162 \pm 0.000839	0.016 \pm 0.002	0.00179	98.6	-0.06
Calcium	mg/l	65.6 \pm 0.729	64 \pm 3.8	2.03	97.5	-0.21
Chloride	mg/l	41.2 \pm 0.375	40.1 \pm 3.2	1.65	97.4	-0.17
El. conductivity (25°C)	μ S/cm	571 \pm 1.88	570 \pm 17	7.42	99.9	-0.02
Hydrogen carbonate	mg/l	211 \pm 1.2	213 \pm 17.1	4.22	101	0.06
Magnesium	mg/l	15.8 \pm 0.174	15.6 \pm 0.21	0.632	98.7	-0.43
Nitrate (as NO ₃)	mg/l	29.5 \pm 0.271	29.4 \pm 1.76	1.48	99.5	-0.04
Nitrite (as NO ₂)	mg/l	0.385 \pm 0.00518	0.379 \pm 0.049	0.0204	98.3	-0.07
Orthophosphate (as PO ₄)	mg/l	0.411 \pm 0.051	0.091 \pm 0.02	0.123	22.1	-4.94
pH-value	-	7.58 \pm 0.0328	7.4 \pm 0.2	0.152	97.7	-0.44
Potassium	mg/l	2.79 \pm 0.0421	2.6 \pm 0.21	0.145	93	-0.46
Sodium	mg/l	24.8 \pm 0.253	24.9 \pm 1.49	0.844	100	0.02
Sulfate (as SO ₄)	mg/l	32 \pm 0.308	31.6 \pm 1.9	1.06	98.6	-0.11
Total-P (as PO ₄)	mg/l	2.01 \pm 0.0245	2.181 \pm 0.305	0.151	109	0.28
Total hardness	mmol/l	2.29 \pm 0.0232	2.24 \pm 0.11	0.0686	97.9	-0.22
Total nitrogen	mg/l	7.29 \pm 0.23	- \pm -	0.605	-	-

Sample: N180BDOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En- Score
DOC (as C)	mg/l	2.87 \pm 0.0629	2.91 \pm 0.17	0.287	101	0.11



Sample: N180A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	7.31 \pm 0.0254	7.413 \pm 0.1	0.146	101	0.70
Ammonium (as NH ₄)	mg/l	0.0867 \pm 0.00322	0.078 \pm 0.003	0.0104	89.9	-0.84
Boron	mg/l	0.0592 \pm 0.00162	- \pm -	0.00652	-	-
Calcium	mg/l	168 \pm 1.9	165.1 \pm 1	5.2	98.4	-0.52
Chloride	mg/l	110 \pm 0.63	111.6 \pm 0.2	4.41	101	0.32
El. conductivity (25°C)	μ S/cm	1170 \pm 4.33	1181 \pm 2	15.3	101	0.46
Hydrogen carbonate	mg/l	445 \pm 1.63	452.3 \pm 6.1	8.9	102	0.80
Magnesium	mg/l	39.8 \pm 0.541	39.08 \pm 0.2	1.59	98.3	-0.43
Nitrate (as NO ₃)	mg/l	10.1 \pm 0.0896	10.32 \pm 0.4	0.507	102	0.34
Nitrite (as NO ₂)	mg/l	0.0307 \pm 0.00108	0.0305 \pm 0.002	0.00307	99.5	-0.05
Orthophosphate (as PO ₄)	mg/l	0.051 \pm 0.00379	0.0549 \pm 0.002	0.0102	108	0.38
pH-value	-	7.6 \pm 0.0251	7.868 \pm 0.05	0.152	103	1.74
Potassium	mg/l	2.5 \pm 0.0456	2.38 \pm 0.1	0.13	95.4	-0.89
Sodium	mg/l	23.3 \pm 0.188	23.03 \pm 0.2	0.791	99	-0.29
Sulfate (as SO ₄)	mg/l	106 \pm 0.947	107.6 \pm 2	3.51	101	0.33
Total-P (as PO ₄)	mg/l	0.145 \pm 0.00263	0.144 \pm 0.005	0.0109	99.1	-0.12
Total hardness	mmol/l	5.84 \pm 0.0648	5.866 \pm 0.1	0.175	100	0.15
Total nitrogen	mg/l	2.49 \pm 0.0962	2.32 \pm 0.2	0.207	93	-0.84

Sample: N180ADOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.55 \pm 0.082	1.5 \pm 0.2	0.186	96.6	-0.28

Sample: N180B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	3.5 \pm 0.0202	3.524 \pm 0.1	0.0699	101	0.41

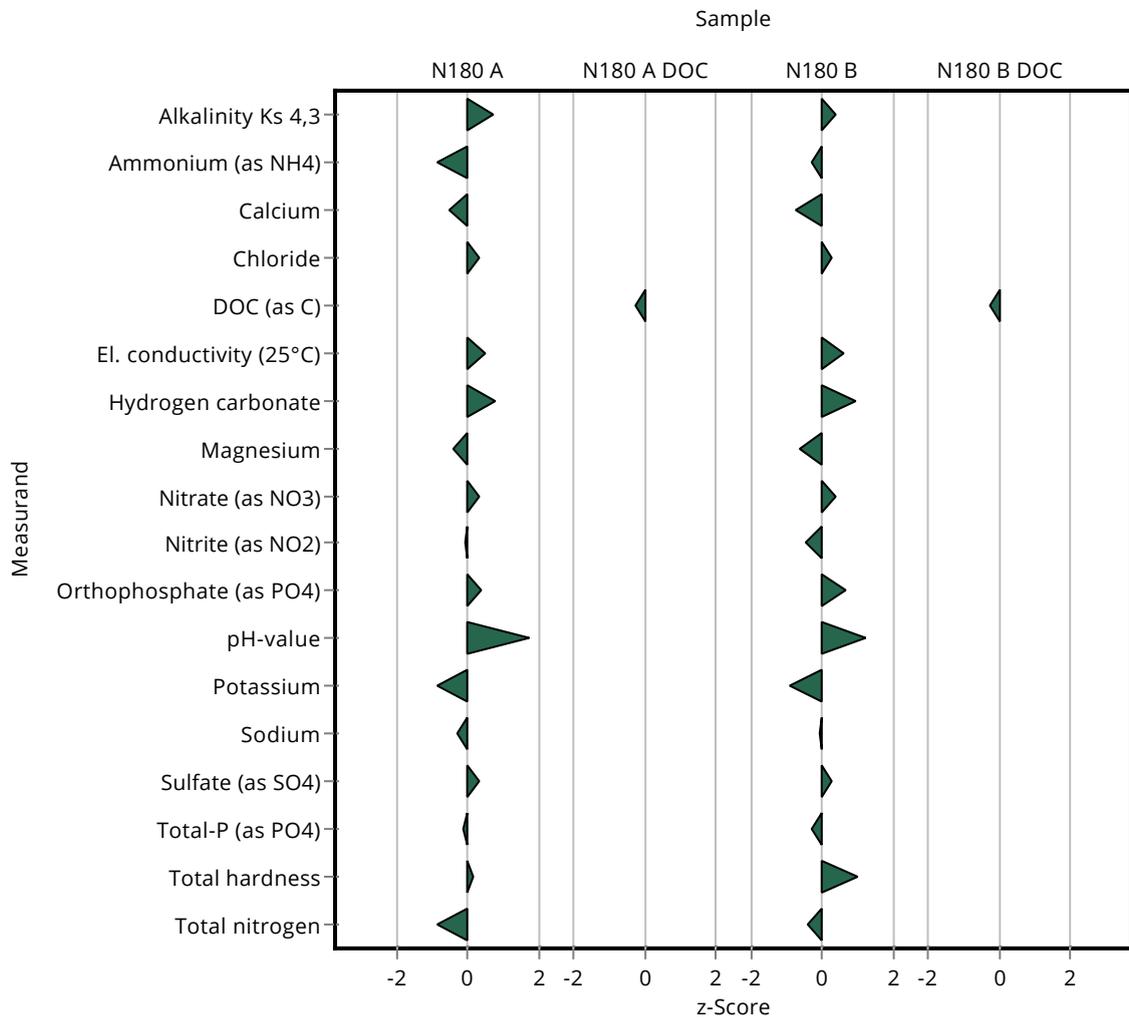
Summary of results Nutrients/Major Ions N180

Labcode: LC0026

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.29 \pm 0.0086	0.2803 \pm 0.003	0.0348	96.7	-0.28
Boron	mg/l	0.0162 \pm 0.000839	- \pm -	0.00179	-	-
Calcium	mg/l	65.6 \pm 0.729	64.06 \pm 1	2.03	97.6	-0.78
Chloride	mg/l	41.2 \pm 0.375	41.6 \pm 0.2	1.65	101	0.27
El. conductivity (25°C)	μ S/cm	571 \pm 1.88	575 \pm 2	7.42	101	0.60
Hydrogen carbonate	mg/l	211 \pm 1.2	215 \pm 6.1	4.22	102	0.92
Magnesium	mg/l	15.8 \pm 0.174	15.41 \pm 0.2	0.632	97.5	-0.61
Nitrate (as NO ₃)	mg/l	29.5 \pm 0.271	30.15 \pm 0.4	1.48	102	0.41
Nitrite (as NO ₂)	mg/l	0.385 \pm 0.00518	0.376 \pm 0.002	0.0204	97.5	-0.46
Orthophosphate (as PO ₄)	mg/l	0.411 \pm 0.051	0.493 \pm 0.002	0.123	120	0.66
pH-value	-	7.58 \pm 0.0328	7.763 \pm 0.05	0.152	102	1.22
Potassium	mg/l	2.79 \pm 0.0421	2.66 \pm 0.1	0.145	95.2	-0.93
Sodium	mg/l	24.8 \pm 0.253	24.76 \pm 0.2	0.844	99.7	-0.08
Sulfate (as SO ₄)	mg/l	32 \pm 0.308	32.33 \pm 2	1.06	101	0.28
Total-P (as PO ₄)	mg/l	2.01 \pm 0.0245	1.967 \pm 0.005	0.151	98	-0.27
Total hardness	mmol/l	2.29 \pm 0.0232	2.358 \pm 0.1	0.0686	103	1.02
Total nitrogen	mg/l	7.29 \pm 0.23	7.04 \pm 0.2	0.605	96.6	-0.41

Sample: N180BDOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.87 \pm 0.0629	2.79 \pm 0.2	0.287	97.2	-0.28



Sample: N180A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	7.31 \pm 0.0254	7.413 \pm 0.1	0.146	101	0.51
Ammonium (as NH ₄)	mg/l	0.0867 \pm 0.00322	0.078 \pm 0.003	0.0104	89.9	-1.28
Boron	mg/l	0.0592 \pm 0.00162	- \pm -	0.00652	-	-
Calcium	mg/l	168 \pm 1.9	165.1 \pm 1	5.2	98.4	-0.98
Chloride	mg/l	110 \pm 0.63	111.6 \pm 0.2	4.41	101	1.89
El. conductivity (25°C)	μ S/cm	1170 \pm 4.33	1181 \pm 2	15.3	101	1.20
Hydrogen carbonate	mg/l	445 \pm 1.63	452.3 \pm 6.1	8.9	102	0.58
Magnesium	mg/l	39.8 \pm 0.541	39.08 \pm 0.2	1.59	98.3	-1.02
Nitrate (as NO ₃)	mg/l	10.1 \pm 0.0896	10.32 \pm 0.4	0.507	102	0.22
Nitrite (as NO ₂)	mg/l	0.0307 \pm 0.00108	0.0305 \pm 0.002	0.00307	99.5	-0.04
Orthophosphate (as PO ₄)	mg/l	0.051 \pm 0.00379	0.0549 \pm 0.002	0.0102	108	0.70
pH-value	-	7.6 \pm 0.0251	7.868 \pm 0.05	0.152	103	2.56
Potassium	mg/l	2.5 \pm 0.0456	2.38 \pm 0.1	0.13	95.4	-0.56
Sodium	mg/l	23.3 \pm 0.188	23.03 \pm 0.2	0.791	99	-0.52
Sulfate (as SO ₄)	mg/l	106 \pm 0.947	107.6 \pm 2	3.51	101	0.28
Total-P (as PO ₄)	mg/l	0.145 \pm 0.00263	0.144 \pm 0.005	0.0109	99.1	-0.12
Total hardness	mmol/l	5.84 \pm 0.0648	5.866 \pm 0.1	0.175	100	0.13
Total nitrogen	mg/l	2.49 \pm 0.0962	2.32 \pm 0.2	0.207	93	-0.42

Sample: N180ADOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.55 \pm 0.082	1.5 \pm 0.2	0.186	96.6	-0.13

Sample: N180B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	3.5 \pm 0.0202	3.524 \pm 0.1	0.0699	101	0.14

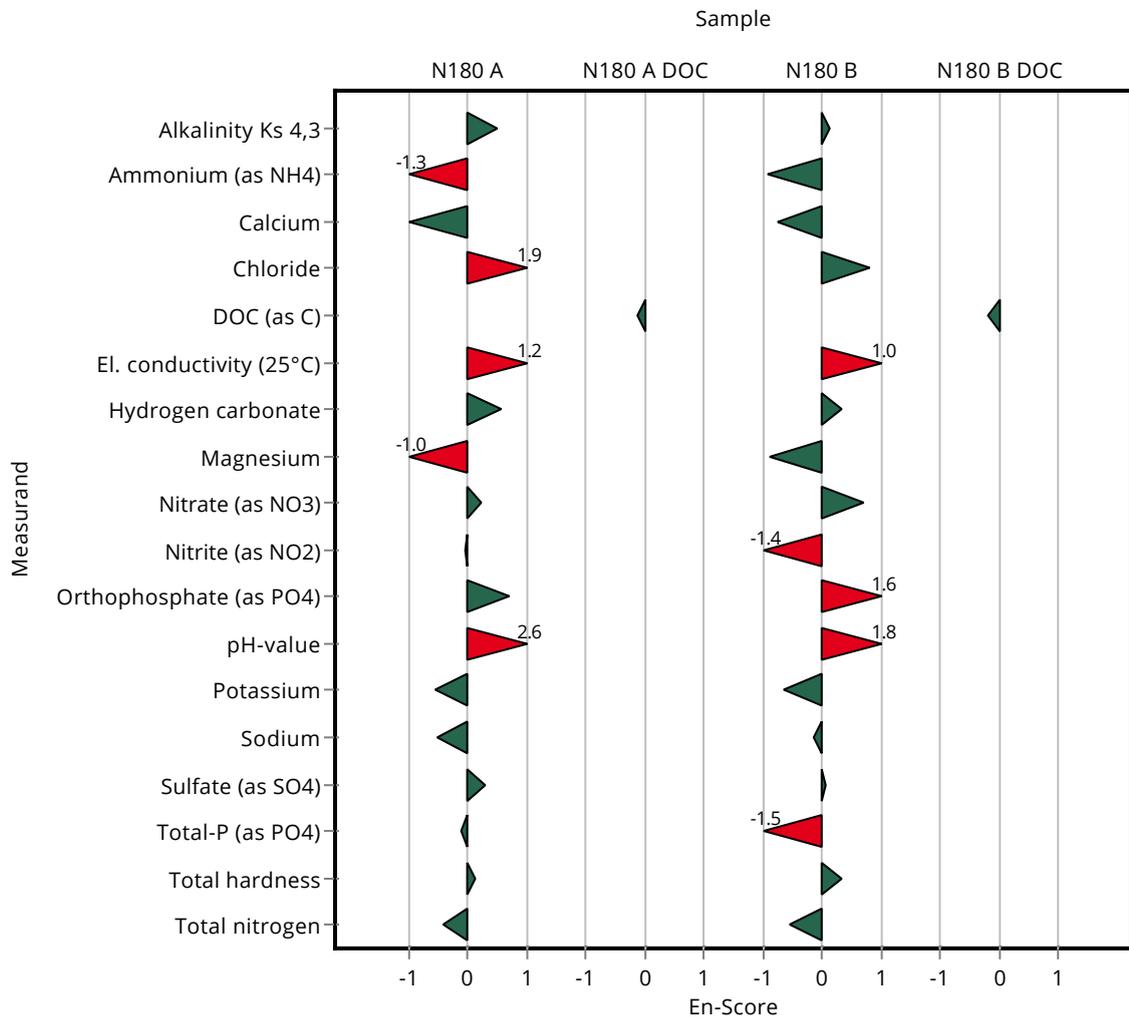
Summary of results Nutrients/Major Ions N180 - En-Score

Labcode: LC0026

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Ammonium (as NH4)	mg/l	0.29 \pm 0.0086	0.2803 \pm 0.003	0.0348	96.7	-0.92
Boron	mg/l	0.0162 \pm 0.000839	- \pm -	0.00179	-	-
Calcium	mg/l	65.6 \pm 0.729	64.06 \pm 1	2.03	97.6	-0.74
Chloride	mg/l	41.2 \pm 0.375	41.6 \pm 0.2	1.65	101	0.80
El. conductivity (25°C)	μ S/cm	571 \pm 1.88	575 \pm 2	7.42	101	1.00
Hydrogen carbonate	mg/l	211 \pm 1.2	215 \pm 6.1	4.22	102	0.32
Magnesium	mg/l	15.8 \pm 0.174	15.41 \pm 0.2	0.632	97.5	-0.89
Nitrate (as NO3)	mg/l	29.5 \pm 0.271	30.15 \pm 0.4	1.48	102	0.72
Nitrite (as NO2)	mg/l	0.385 \pm 0.00518	0.376 \pm 0.002	0.0204	97.5	-1.45
Orthophosphate (as PO4)	mg/l	0.411 \pm 0.051	0.493 \pm 0.002	0.123	120	1.60
pH-value	-	7.58 \pm 0.0328	7.763 \pm 0.05	0.152	102	1.76
Potassium	mg/l	2.79 \pm 0.0421	2.66 \pm 0.1	0.145	95.2	-0.66
Sodium	mg/l	24.8 \pm 0.253	24.76 \pm 0.2	0.844	99.7	-0.15
Sulfate (as SO4)	mg/l	32 \pm 0.308	32.33 \pm 2	1.06	101	0.07
Total-P (as PO4)	mg/l	2.01 \pm 0.0245	1.967 \pm 0.005	0.151	98	-1.53
Total hardness	mmol/l	2.29 \pm 0.0232	2.358 \pm 0.1	0.0686	103	0.35
Total nitrogen	mg/l	7.29 \pm 0.23	7.04 \pm 0.2	0.605	96.6	-0.54

Sample: N180BDOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	2.87 \pm 0.0629	2.79 \pm 0.2	0.287	97.2	-0.20



Sample: N180A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	7.31 \pm 0.0254	7.4 \pm 0.888	0.146	101	0.61
Ammonium (as NH ₄)	mg/l	0.0867 \pm 0.00322	0.0713 \pm 0.00612	0.0104	82.2	-1.48
Boron	mg/l	0.0592 \pm 0.00162	0.0636 \pm 0.00871	0.00652	107	0.67
Calcium	mg/l	168 \pm 1.9	162.3 \pm 8.12	5.2	96.7	-1.06
Chloride	mg/l	110 \pm 0.63	114.3 \pm 13	4.41	104	0.93
El. conductivity (25°C)	μ S/cm	1170 \pm 4.33	1166 \pm 15.2	15.3	99.3	-0.52
Hydrogen carbonate	mg/l	445 \pm 1.63	451.4 \pm 54.2	8.9	101	0.70
Magnesium	mg/l	39.8 \pm 0.541	40.19 \pm 3.56	1.59	101	0.26
Nitrate (as NO ₃)	mg/l	10.1 \pm 0.0896	10.06 \pm 1.46	0.507	99.2	-0.17
Nitrite (as NO ₂)	mg/l	0.0307 \pm 0.00108	0.0284 \pm 0.00341	0.00307	92.6	-0.74
Orthophosphate (as PO ₄)	mg/l	0.051 \pm 0.00379	0.0727 \pm 0.0121	0.0102	142	2.12
pH-value	-	7.6 \pm 0.0251	7.61 \pm 0.152	0.152	100	0.04
Potassium	mg/l	2.5 \pm 0.0456	2.4 \pm 0.415	0.13	96.2	-0.73
Sodium	mg/l	23.3 \pm 0.188	24.61 \pm 0.967	0.791	106	1.71
Sulfate (as SO ₄)	mg/l	106 \pm 0.947	104.15 \pm 22.8	3.51	97.9	-0.65
Total-P (as PO ₄)	mg/l	0.145 \pm 0.00263	0.177 \pm 0.0193	0.0109	122	2.91
Total hardness	mmol/l	5.84 \pm 0.0648	5.78 \pm 0.694	0.175	99	-0.34
Total nitrogen	mg/l	2.49 \pm 0.0962	2.99 \pm 0.667	0.207	120	2.40

Sample: N180ADOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.55 \pm 0.082	6.58 \pm 0.665	0.186	424	27.00

Sample: N180B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	3.5 \pm 0.0202	3.54 \pm 0.425	0.0699	101	0.64

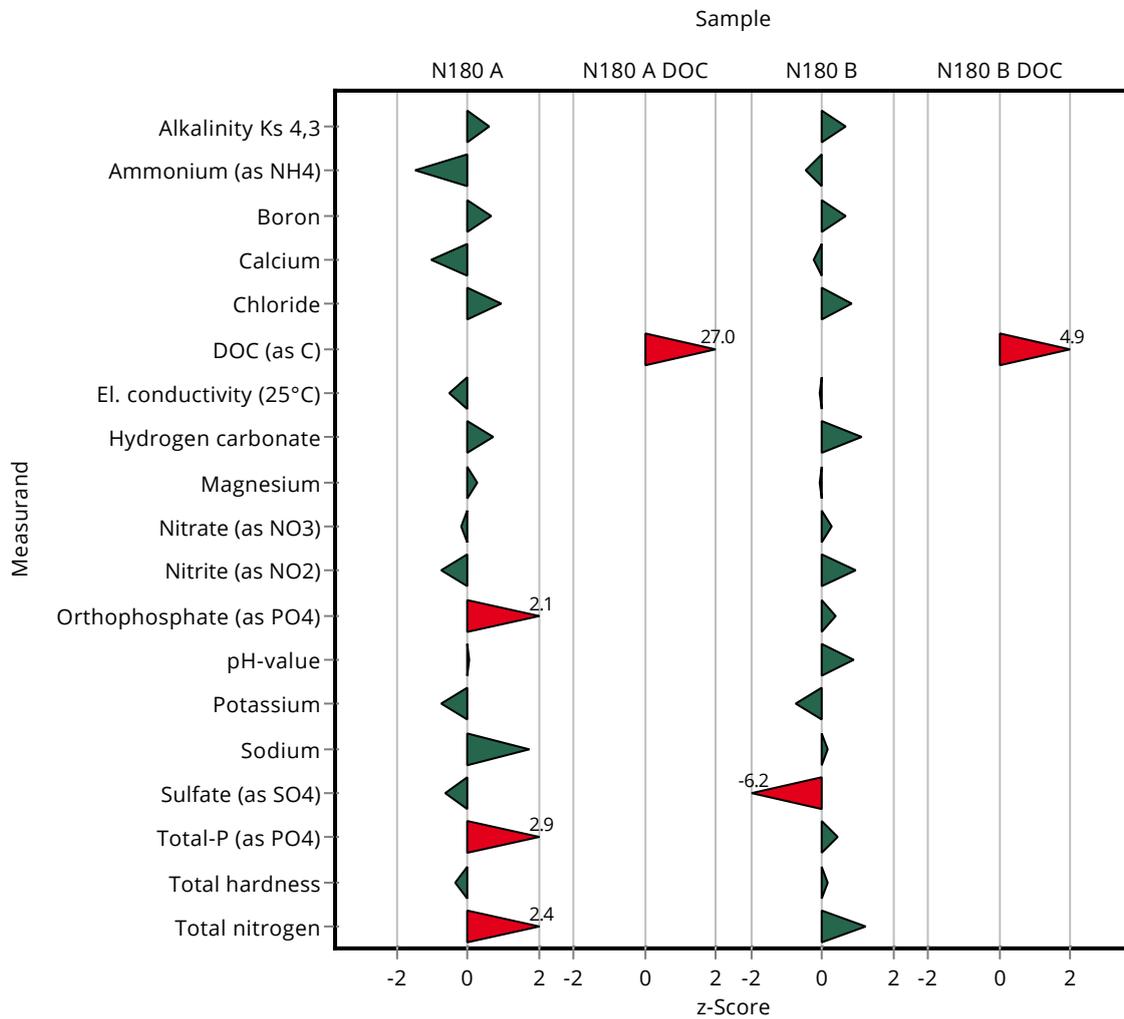
Summary of results Nutrients/Major Ions N180

Labcode: LC0027

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.29 \pm 0.0086	0.273 \pm 0.0235	0.0348	94.2	-0.49
Boron	mg/l	0.0162 \pm 0.000839	0.0174 \pm 0.00238	0.00179	107	0.65
Calcium	mg/l	65.6 \pm 0.729	65.13 \pm 3.26	2.03	99.2	-0.25
Chloride	mg/l	41.2 \pm 0.375	42.55 \pm 4.85	1.65	103	0.84
El. conductivity (25°C)	μ S/cm	571 \pm 1.88	570 \pm 7.41	7.42	99.9	-0.08
Hydrogen carbonate	mg/l	211 \pm 1.2	215.9 \pm 25.9	4.22	102	1.14
Magnesium	mg/l	15.8 \pm 0.174	15.74 \pm 1.39	0.632	99.6	-0.09
Nitrate (as NO ₃)	mg/l	29.5 \pm 0.271	29.95 \pm 4.34	1.48	101	0.27
Nitrite (as NO ₂)	mg/l	0.385 \pm 0.00518	0.405 \pm 0.0486	0.0204	105	0.96
Orthophosphate (as PO ₄)	mg/l	0.411 \pm 0.051	0.46 \pm 0.0768	0.123	112	0.40
pH-value	-	7.58 \pm 0.0328	7.71 \pm 0.154	0.152	102	0.87
Potassium	mg/l	2.79 \pm 0.0421	2.69 \pm 0.465	0.145	96.3	-0.72
Sodium	mg/l	24.8 \pm 0.253	24.97 \pm 0.981	0.844	101	0.17
Sulfate (as SO ₄)	mg/l	32 \pm 0.308	25.52 \pm 5.56	1.06	79.7	-6.16
Total-P (as PO ₄)	mg/l	2.01 \pm 0.0245	2.07 \pm 0.226	0.151	103	0.42
Total hardness	mmol/l	2.29 \pm 0.0232	2.3 \pm 0.276	0.0686	101	0.18
Total nitrogen	mg/l	7.29 \pm 0.23	8.05 \pm 1.8	0.605	110	1.26

Sample: N180BDOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.87 \pm 0.0629	4.29 \pm 0.433	0.287	149	4.94



Sample: N180A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	7.31 \pm 0.0254	7.4 \pm 0.888	0.146	101	0.05
Ammonium (as NH ₄)	mg/l	0.0867 \pm 0.00322	0.0713 \pm 0.00612	0.0104	82.2	-1.22
Boron	mg/l	0.0592 \pm 0.00162	0.0636 \pm 0.00871	0.00652	107	0.25
Calcium	mg/l	168 \pm 1.9	162.3 \pm 8.12	5.2	96.7	-0.34
Chloride	mg/l	110 \pm 0.63	114.3 \pm 13	4.41	104	0.16
El. conductivity (25°C)	μ S/cm	1170 \pm 4.33	1166 \pm 15.2	15.3	99.3	-0.26
Hydrogen carbonate	mg/l	445 \pm 1.63	451.4 \pm 54.2	8.9	101	0.06
Magnesium	mg/l	39.8 \pm 0.541	40.19 \pm 3.56	1.59	101	0.06
Nitrate (as NO ₃)	mg/l	10.1 \pm 0.0896	10.06 \pm 1.46	0.507	99.2	-0.03
Nitrite (as NO ₂)	mg/l	0.0307 \pm 0.00108	0.0284 \pm 0.00341	0.00307	92.6	-0.33
Orthophosphate (as PO ₄)	mg/l	0.051 \pm 0.00379	0.0727 \pm 0.0121	0.0102	142	0.88
pH-value	-	7.6 \pm 0.0251	7.61 \pm 0.152	0.152	100	0.02
Potassium	mg/l	2.5 \pm 0.0456	2.4 \pm 0.415	0.13	96.2	-0.11
Sodium	mg/l	23.3 \pm 0.188	24.61 \pm 0.967	0.791	106	0.70
Sulfate (as SO ₄)	mg/l	106 \pm 0.947	104.15 \pm 22.8	3.51	97.9	-0.05
Total-P (as PO ₄)	mg/l	0.145 \pm 0.00263	0.177 \pm 0.0193	0.0109	122	0.82
Total hardness	mmol/l	5.84 \pm 0.0648	5.78 \pm 0.694	0.175	99	-0.04
Total nitrogen	mg/l	2.49 \pm 0.0962	2.99 \pm 0.667	0.207	120	0.37

Sample: N180ADOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.55 \pm 0.082	6.58 \pm 0.665	0.186	424	3.77

Sample: N180B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	3.5 \pm 0.0202	3.54 \pm 0.425	0.0699	101	0.05

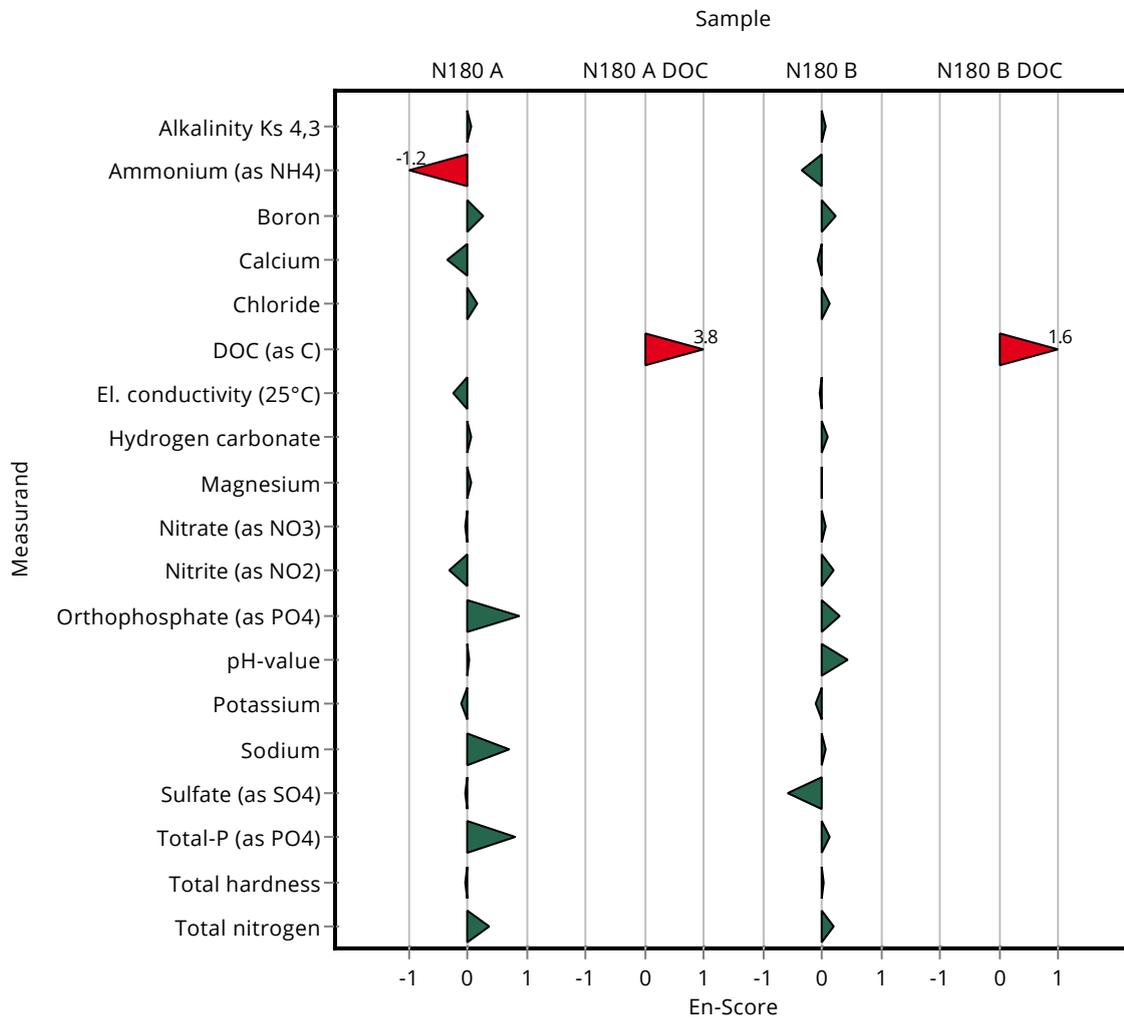
Summary of results Nutrients/Major Ions N180 - En-Score

Labcode: LC0027

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En- Score
Ammonium (as NH ₄)	mg/l	0.29 \pm 0.0086	0.273 \pm 0.0235	0.0348	94.2	-0.35
Boron	mg/l	0.0162 \pm 0.000839	0.0174 \pm 0.00238	0.00179	107	0.24
Calcium	mg/l	65.6 \pm 0.729	65.13 \pm 3.26	2.03	99.2	-0.08
Chloride	mg/l	41.2 \pm 0.375	42.55 \pm 4.85	1.65	103	0.14
El. conductivity (25°C)	μ S/cm	571 \pm 1.88	570 \pm 7.41	7.42	99.9	-0.04
Hydrogen carbonate	mg/l	211 \pm 1.2	215.9 \pm 25.9	4.22	102	0.09
Magnesium	mg/l	15.8 \pm 0.174	15.74 \pm 1.39	0.632	99.6	-0.02
Nitrate (as NO ₃)	mg/l	29.5 \pm 0.271	29.95 \pm 4.34	1.48	101	0.05
Nitrite (as NO ₂)	mg/l	0.385 \pm 0.00518	0.405 \pm 0.0486	0.0204	105	0.20
Orthophosphate (as PO ₄)	mg/l	0.411 \pm 0.051	0.46 \pm 0.0768	0.123	112	0.30
pH-value	-	7.58 \pm 0.0328	7.71 \pm 0.154	0.152	102	0.43
Potassium	mg/l	2.79 \pm 0.0421	2.69 \pm 0.465	0.145	96.3	-0.11
Sodium	mg/l	24.8 \pm 0.253	24.97 \pm 0.981	0.844	101	0.07
Sulfate (as SO ₄)	mg/l	32 \pm 0.308	25.52 \pm 5.56	1.06	79.7	-0.59
Total-P (as PO ₄)	mg/l	2.01 \pm 0.0245	2.07 \pm 0.226	0.151	103	0.14
Total hardness	mmol/l	2.29 \pm 0.0232	2.3 \pm 0.276	0.0686	101	0.02
Total nitrogen	mg/l	7.29 \pm 0.23	8.05 \pm 1.8	0.605	110	0.21

Sample: N180BDOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En- Score
DOC (as C)	mg/l	2.87 \pm 0.0629	4.29 \pm 0.433	0.287	149	1.63



Sample: N180A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	7.31 \pm 0.0254	- \pm -	0.146	-	-
Ammonium (as NH ₄)	mg/l	0.0867 \pm 0.00322	0.082 \pm 0.016	0.0104	94.5	-0.46
Boron	mg/l	0.0592 \pm 0.00162	- \pm -	0.00652	-	-
Calcium	mg/l	168 \pm 1.9	173 \pm 17.3	5.2	103	1.00
Chloride	mg/l	110 \pm 0.63	111 \pm 11.1	4.41	101	0.18
El. conductivity (25°C)	μ S/cm	1170 \pm 4.33	1090 \pm 164	15.3	92.8	-5.50
Hydrogen carbonate	mg/l	445 \pm 1.63	- \pm -	8.9	-	-
Magnesium	mg/l	39.8 \pm 0.541	41.1 \pm 4.1	1.59	103	0.84
Nitrate (as NO ₃)	mg/l	10.1 \pm 0.0896	9.26 \pm 0.93	0.507	91.3	-1.75
Nitrite (as NO ₂)	mg/l	0.0307 \pm 0.00108	0.028 \pm 0.006	0.00307	91.3	-0.87
Orthophosphate (as PO ₄)	mg/l	0.051 \pm 0.00379	- \pm -	0.0102	-	-
pH-value	-	7.6 \pm 0.0251	7.56 \pm 0.76	0.152	99.4	-0.29
Potassium	mg/l	2.5 \pm 0.0456	2.33 \pm 0.23	0.13	93.4	-1.27
Sodium	mg/l	23.3 \pm 0.188	23.3 \pm 2.3	0.791	100	0.05
Sulfate (as SO ₄)	mg/l	106 \pm 0.947	100 \pm 10	3.51	94	-1.83
Total-P (as PO ₄)	mg/l	0.145 \pm 0.00263	- \pm -	0.0109	-	-
Total hardness	mmol/l	5.84 \pm 0.0648	6.01 \pm 0.6	0.175	103	0.98
Total nitrogen	mg/l	2.49 \pm 0.0962	- \pm -	0.207	-	-

Sample: N180ADOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.55 \pm 0.082	1.18 \pm 0.18	0.186	76	-2.00

Sample: N180B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	3.5 \pm 0.0202	- \pm -	0.0699	-	-

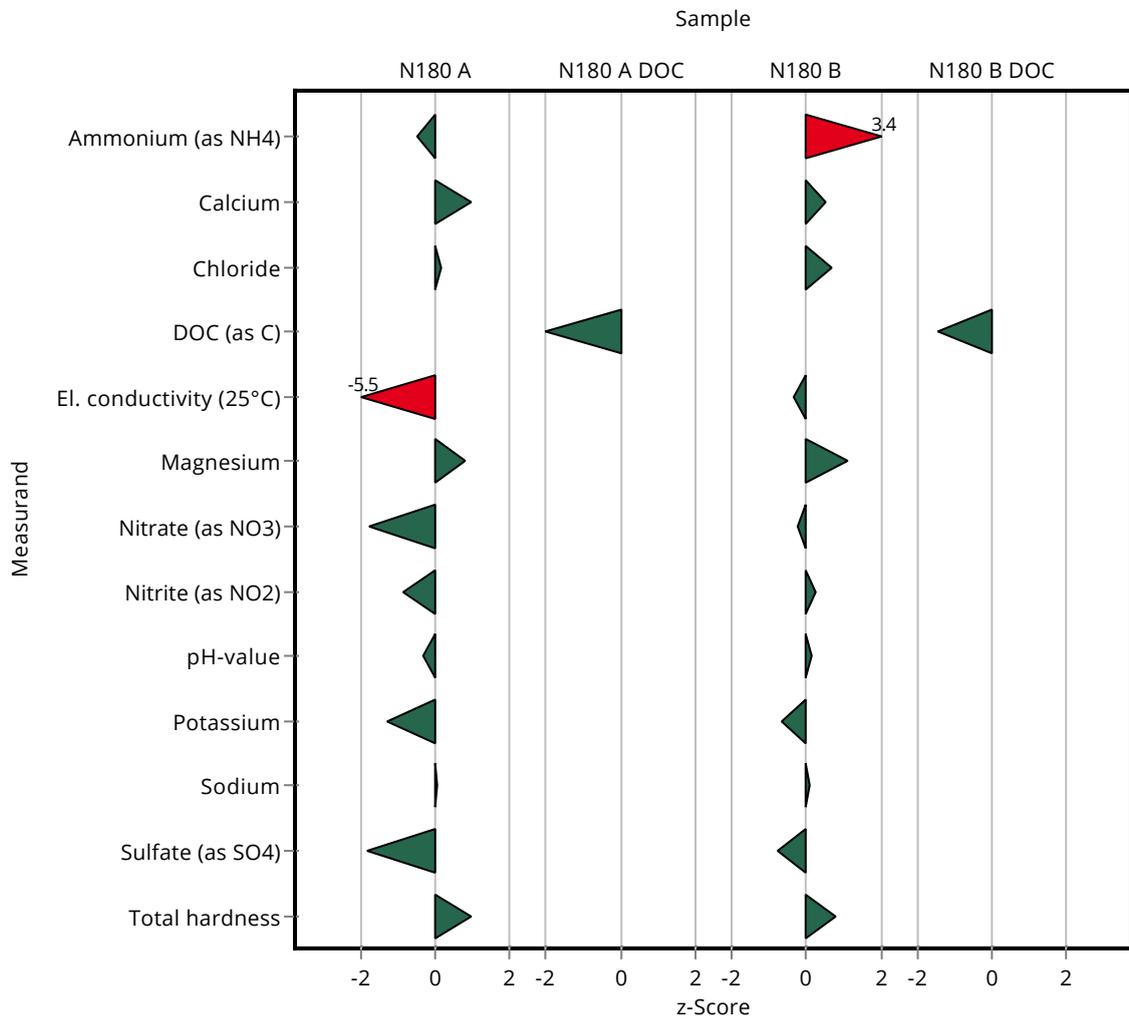
Summary of results Nutrients/Major Ions N180

Labcode: LC0028

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.29 \pm 0.0086	0.407 \pm 0.08	0.0348	140	3.36
Boron	mg/l	0.0162 \pm 0.000839	- \pm -	0.00179	-	-
Calcium	mg/l	65.6 \pm 0.729	66.7 \pm 6.7	2.03	102	0.52
Chloride	mg/l	41.2 \pm 0.375	42.3 \pm 4.2	1.65	103	0.69
El. conductivity (25°C)	μ S/cm	571 \pm 1.88	568 \pm 85.2	7.42	99.5	-0.35
Hydrogen carbonate	mg/l	211 \pm 1.2	- \pm -	4.22	-	-
Magnesium	mg/l	15.8 \pm 0.174	16.5 \pm 1.7	0.632	104	1.11
Nitrate (as NO ₃)	mg/l	29.5 \pm 0.271	29.2 \pm 2.9	1.48	98.8	-0.23
Nitrite (as NO ₂)	mg/l	0.385 \pm 0.00518	0.39 \pm 0.08	0.0204	101	0.22
Orthophosphate (as PO ₄)	mg/l	0.411 \pm 0.051	- \pm -	0.123	-	-
pH-value	-	7.58 \pm 0.0328	7.6 \pm 0.1	0.152	100	0.15
Potassium	mg/l	2.79 \pm 0.0421	2.7 \pm 0.27	0.145	96.6	-0.65
Sodium	mg/l	24.8 \pm 0.253	24.9 \pm 2.5	0.844	100	0.08
Sulfate (as SO ₄)	mg/l	32 \pm 0.308	31.2 \pm 3.1	1.06	97.4	-0.79
Total-P (as PO ₄)	mg/l	2.01 \pm 0.0245	- \pm -	0.151	-	-
Total hardness	mmol/l	2.29 \pm 0.0232	2.34 \pm 0.23	0.0686	102	0.76
Total nitrogen	mg/l	7.29 \pm 0.23	- \pm -	0.605	-	-

Sample: N180BDOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.87 \pm 0.0629	2.45 \pm 0.37	0.287	85.3	-1.47



Sample: N180A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	7.31 \pm 0.0254	- \pm -	0.146	-	-
Ammonium (as NH ₄)	mg/l	0.0867 \pm 0.00322	0.082 \pm 0.016	0.0104	94.5	-0.15
Boron	mg/l	0.0592 \pm 0.00162	- \pm -	0.00652	-	-
Calcium	mg/l	168 \pm 1.9	173 \pm 17.3	5.2	103	0.15
Chloride	mg/l	110 \pm 0.63	111 \pm 11.1	4.41	101	0.04
El. conductivity (25°C)	μ S/cm	1170 \pm 4.33	1090 \pm 164	15.3	92.8	-0.26
Hydrogen carbonate	mg/l	445 \pm 1.63	- \pm -	8.9	-	-
Magnesium	mg/l	39.8 \pm 0.541	41.1 \pm 4.1	1.59	103	0.16
Nitrate (as NO ₃)	mg/l	10.1 \pm 0.0896	9.26 \pm 0.93	0.507	91.3	-0.48
Nitrite (as NO ₂)	mg/l	0.0307 \pm 0.00108	0.028 \pm 0.006	0.00307	91.3	-0.22
Orthophosphate (as PO ₄)	mg/l	0.051 \pm 0.00379	- \pm -	0.0102	-	-
pH-value	-	7.6 \pm 0.0251	7.56 \pm 0.76	0.152	99.4	-0.03
Potassium	mg/l	2.5 \pm 0.0456	2.33 \pm 0.23	0.13	93.4	-0.36
Sodium	mg/l	23.3 \pm 0.188	23.3 \pm 2.3	0.791	100	0.01
Sulfate (as SO ₄)	mg/l	106 \pm 0.947	100 \pm 10	3.51	94	-0.32
Total-P (as PO ₄)	mg/l	0.145 \pm 0.00263	- \pm -	0.0109	-	-
Total hardness	mmol/l	5.84 \pm 0.0648	6.01 \pm 0.6	0.175	103	0.14
Total nitrogen	mg/l	2.49 \pm 0.0962	- \pm -	0.207	-	-

Sample: N180ADOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.55 \pm 0.082	1.18 \pm 0.18	0.186	76	-1.01

Sample: N180B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	3.5 \pm 0.0202	- \pm -	0.0699	-	-

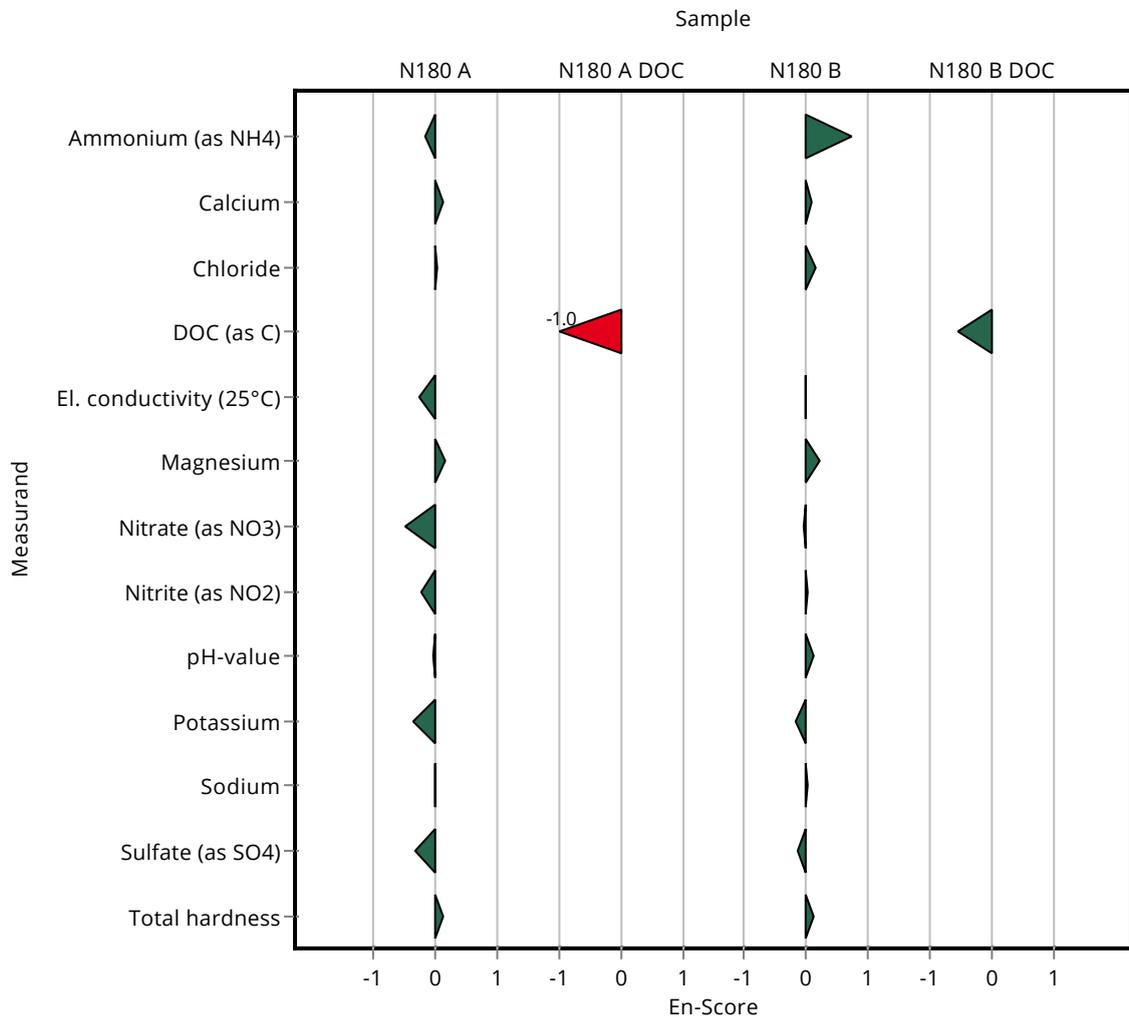
Summary of results Nutrients/Major Ions N180 - En-Score

Labcode: LC0028

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.29 \pm 0.0086	0.407 \pm 0.08	0.0348	140	0.73
Boron	mg/l	0.0162 \pm 0.000839	- \pm -	0.00179	-	-
Calcium	mg/l	65.6 \pm 0.729	66.7 \pm 6.7	2.03	102	0.08
Chloride	mg/l	41.2 \pm 0.375	42.3 \pm 4.2	1.65	103	0.14
El. conductivity (25°C)	μ S/cm	571 \pm 1.88	568 \pm 85.2	7.42	99.5	-0.02
Hydrogen carbonate	mg/l	211 \pm 1.2	- \pm -	4.22	-	-
Magnesium	mg/l	15.8 \pm 0.174	16.5 \pm 1.7	0.632	104	0.21
Nitrate (as NO ₃)	mg/l	29.5 \pm 0.271	29.2 \pm 2.9	1.48	98.8	-0.06
Nitrite (as NO ₂)	mg/l	0.385 \pm 0.00518	0.39 \pm 0.08	0.0204	101	0.03
Orthophosphate (as PO ₄)	mg/l	0.411 \pm 0.051	- \pm -	0.123	-	-
pH-value	-	7.58 \pm 0.0328	7.6 \pm 0.1	0.152	100	0.11
Potassium	mg/l	2.79 \pm 0.0421	2.7 \pm 0.27	0.145	96.6	-0.17
Sodium	mg/l	24.8 \pm 0.253	24.9 \pm 2.5	0.844	100	0.01
Sulfate (as SO ₄)	mg/l	32 \pm 0.308	31.2 \pm 3.1	1.06	97.4	-0.13
Total-P (as PO ₄)	mg/l	2.01 \pm 0.0245	- \pm -	0.151	-	-
Total hardness	mmol/l	2.29 \pm 0.0232	2.34 \pm 0.23	0.0686	102	0.11
Total nitrogen	mg/l	7.29 \pm 0.23	- \pm -	0.605	-	-

Sample: N180BDOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	2.87 \pm 0.0629	2.45 \pm 0.37	0.287	85.3	-0.57



Sample: N180A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	7.31 \pm 0.0254	7.19 \pm 1.079	0.146	98.4	-0.82
Ammonium (as NH ₄)	mg/l	0.0867 \pm 0.00322	0.73 \pm 0.0073	0.0104	842	61.80
Boron	mg/l	0.0592 \pm 0.00162	0.06 \pm 0.009	0.00652	101	0.12
Calcium	mg/l	168 \pm 1.9	172.23 \pm 17.22	5.2	103	0.85
Chloride	mg/l	110 \pm 0.63	109.94 \pm 10.994	4.41	99.8	-0.06
El. conductivity (25°C)	μ S/cm	1170 \pm 4.33	1192 \pm 19.2	15.3	102	1.18
Hydrogen carbonate	mg/l	445 \pm 1.63	438.7 \pm 65.81	8.9	98.5	-0.73
Magnesium	mg/l	39.8 \pm 0.541	39.95 \pm 3.995	1.59	100	0.11
Nitrate (as NO ₃)	mg/l	10.1 \pm 0.0896	10.301 \pm 0.5151	0.507	102	0.31
Nitrite (as NO ₂)	mg/l	0.0307 \pm 0.00108	0.03 \pm 0.0044	0.00307	97.8	-0.22
Orthophosphate (as PO ₄)	mg/l	0.051 \pm 0.00379	0.058 \pm 0.0087	0.0102	114	0.68
pH-value	-	7.6 \pm 0.0251	7.3 \pm 0.2	0.152	96	-2.00
Potassium	mg/l	2.5 \pm 0.0456	2.51 \pm 0.251	0.13	101	0.11
Sodium	mg/l	23.3 \pm 0.188	23.12 \pm 2.312	0.791	99.4	-0.17
Sulfate (as SO ₄)	mg/l	106 \pm 0.947	108.2 \pm 10.82	3.51	102	0.50
Total-P (as PO ₄)	mg/l	0.145 \pm 0.00263	0.15 \pm 0.023	0.0109	103	0.43
Total hardness	mmol/l	5.84 \pm 0.0648	5.94 \pm 0.594	0.175	102	0.58
Total nitrogen	mg/l	2.49 \pm 0.0962	- \pm -	0.207	-	-

Sample: N180ADOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.55 \pm 0.082	1.5 \pm 0.12	0.186	96.6	-0.28

Sample: N180B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	3.5 \pm 0.0202	3.42 \pm 0.513	0.0699	97.8	-1.08

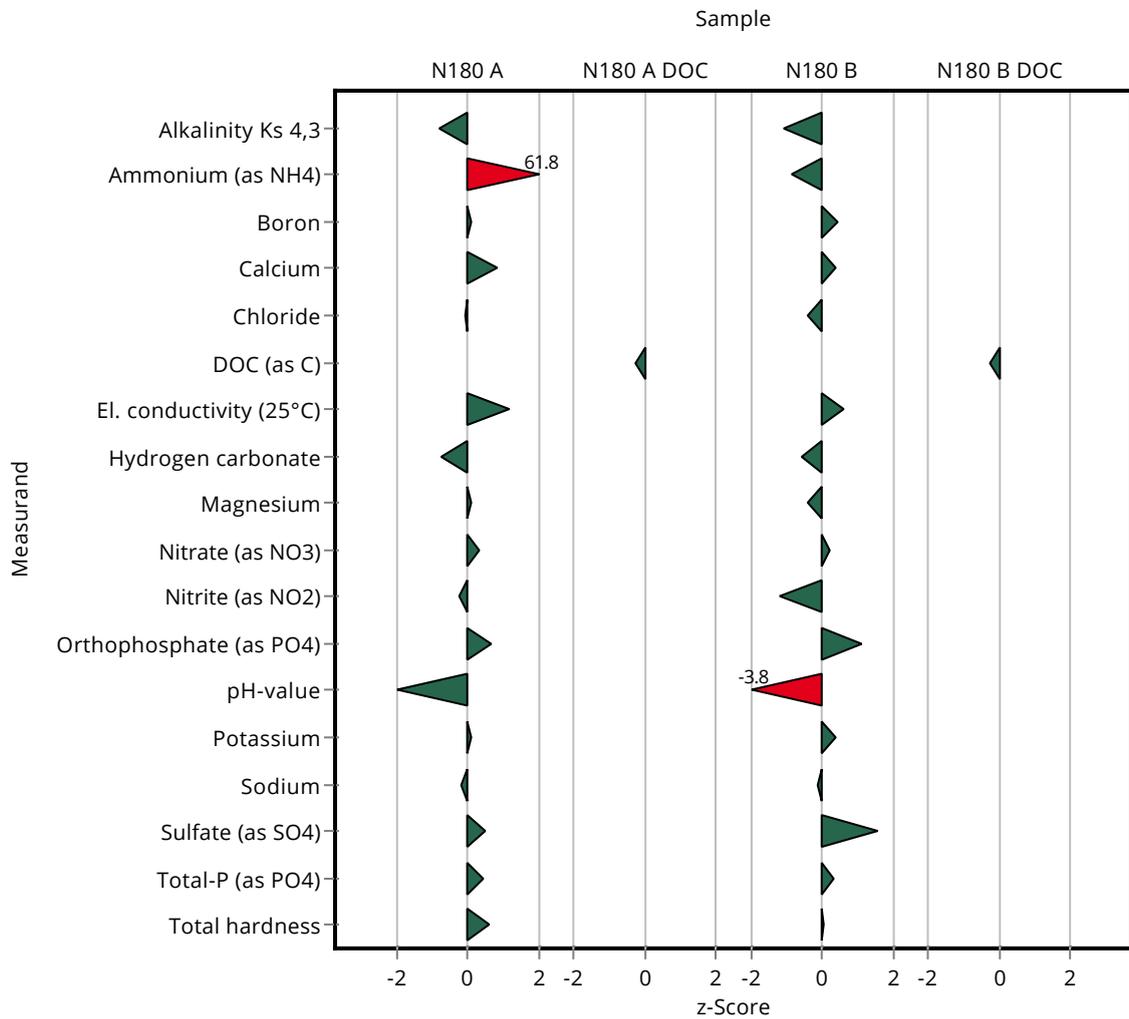
Summary of results Nutrients/Major Ions N180

Labcode: LC0029

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.29 \pm 0.0086	0.261 \pm 0.0261	0.0348	90	-0.83
Boron	mg/l	0.0162 \pm 0.000839	0.017 \pm 0.0026	0.00179	105	0.43
Calcium	mg/l	65.6 \pm 0.729	66.38 \pm 6.638	2.03	101	0.36
Chloride	mg/l	41.2 \pm 0.375	40.45 \pm 4.045	1.65	98.3	-0.43
El. conductivity (25°C)	μ S/cm	571 \pm 1.88	575 \pm 57.5	7.42	101	0.60
Hydrogen carbonate	mg/l	211 \pm 1.2	208.7 \pm 31.3	4.22	98.9	-0.57
Magnesium	mg/l	15.8 \pm 0.174	15.53 \pm 1.553	0.632	98.3	-0.42
Nitrate (as NO ₃)	mg/l	29.5 \pm 0.271	29.868 \pm 1.4934	1.48	101	0.22
Nitrite (as NO ₂)	mg/l	0.385 \pm 0.00518	0.361 \pm 0.0542	0.0204	93.7	-1.20
Orthophosphate (as PO ₄)	mg/l	0.411 \pm 0.051	0.546 \pm 0.0819	0.123	133	1.09
pH-value	-	7.58 \pm 0.0328	7 \pm 0.2	0.152	92.4	-3.81
Potassium	mg/l	2.79 \pm 0.0421	2.85 \pm 0.285	0.145	102	0.38
Sodium	mg/l	24.8 \pm 0.253	24.72 \pm 2.472	0.844	99.6	-0.13
Sulfate (as SO ₄)	mg/l	32 \pm 0.308	33.68 \pm 3.368	1.06	105	1.56
Total-P (as PO ₄)	mg/l	2.01 \pm 0.0245	2.06 \pm 0.31	0.151	103	0.35
Total hardness	mmol/l	2.29 \pm 0.0232	2.29 \pm 0.229	0.0686	100	0.03
Total nitrogen	mg/l	7.29 \pm 0.23	- \pm -	0.605	-	-

Sample: N180BDOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.87 \pm 0.0629	2.8 \pm 0.22	0.287	97.5	-0.25



Sample: N180A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	7.31 \pm 0.0254	7.19 \pm 1.079	0.146	98.4	-0.06
Ammonium (as NH ₄)	mg/l	0.0867 \pm 0.00322	0.73 \pm 0.0073	0.0104	842	43.02
Boron	mg/l	0.0592 \pm 0.00162	0.06 \pm 0.009	0.00652	101	0.04
Calcium	mg/l	168 \pm 1.9	172.23 \pm 17.22	5.2	103	0.13
Chloride	mg/l	110 \pm 0.63	109.94 \pm 10.994	4.41	99.8	-0.01
El. conductivity (25°C)	μ S/cm	1170 \pm 4.33	1192 \pm 19.2	15.3	102	0.47
Hydrogen carbonate	mg/l	445 \pm 1.63	438.7 \pm 65.81	8.9	98.5	-0.05
Magnesium	mg/l	39.8 \pm 0.541	39.95 \pm 3.995	1.59	100	0.02
Nitrate (as NO ₃)	mg/l	10.1 \pm 0.0896	10.301 \pm 0.5151	0.507	102	0.15
Nitrite (as NO ₂)	mg/l	0.0307 \pm 0.00108	0.03 \pm 0.0044	0.00307	97.8	-0.08
Orthophosphate (as PO ₄)	mg/l	0.051 \pm 0.00379	0.058 \pm 0.0087	0.0102	114	0.39
pH-value	-	7.6 \pm 0.0251	7.3 \pm 0.2	0.152	96	-0.76
Potassium	mg/l	2.5 \pm 0.0456	2.51 \pm 0.251	0.13	101	0.03
Sodium	mg/l	23.3 \pm 0.188	23.12 \pm 2.312	0.791	99.4	-0.03
Sulfate (as SO ₄)	mg/l	106 \pm 0.947	108.2 \pm 10.82	3.51	102	0.08
Total-P (as PO ₄)	mg/l	0.145 \pm 0.00263	0.15 \pm 0.023	0.0109	103	0.10
Total hardness	mmol/l	5.84 \pm 0.0648	5.94 \pm 0.594	0.175	102	0.08
Total nitrogen	mg/l	2.49 \pm 0.0962	- \pm -	0.207	-	-

Sample: N180ADOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.55 \pm 0.082	1.5 \pm 0.12	0.186	96.6	-0.21

Sample: N180B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	3.5 \pm 0.0202	3.42 \pm 0.513	0.0699	97.8	-0.07

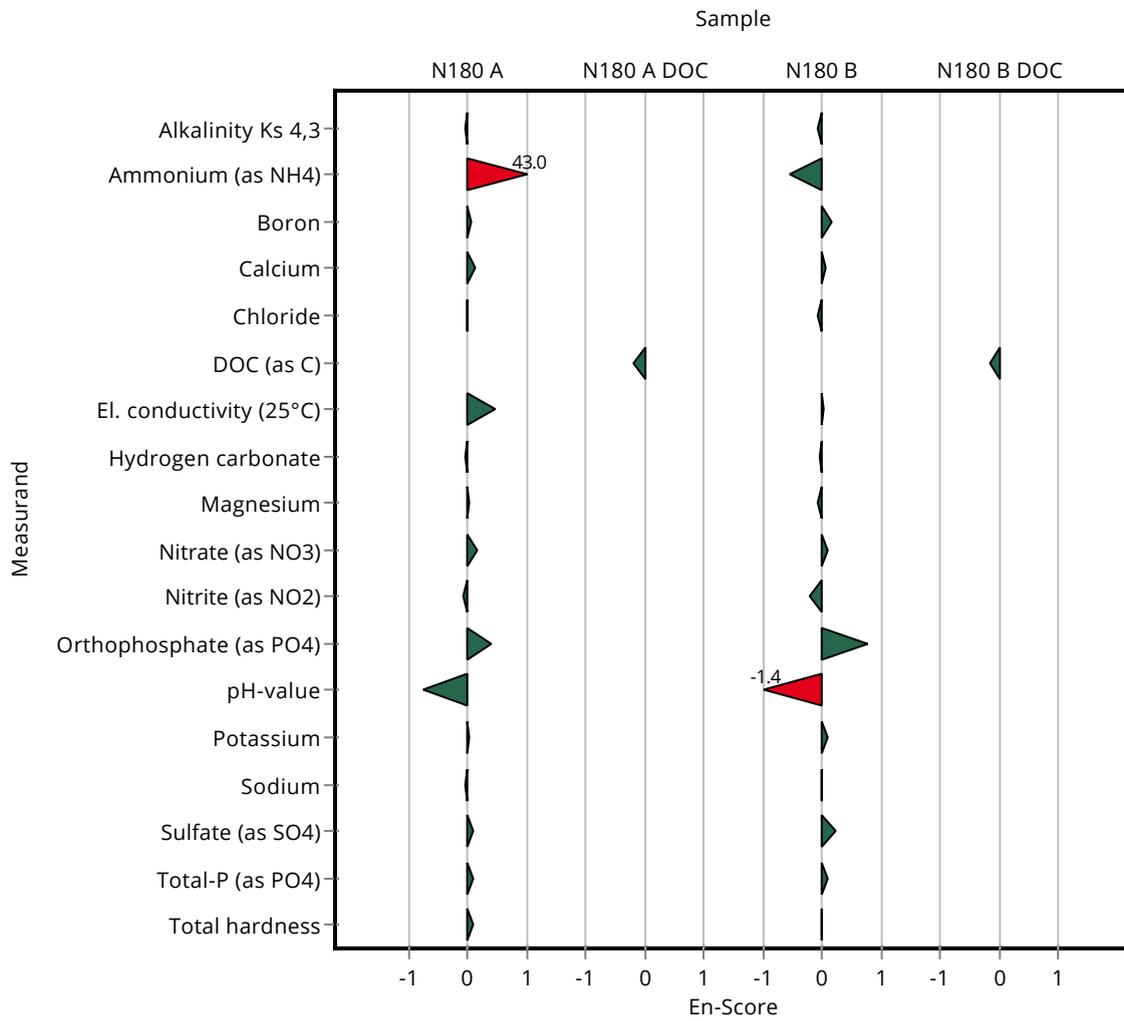
Summary of results Nutrients/Major Ions N180 - En-Score

Labcode: LC0029

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.29 \pm 0.0086	0.261 \pm 0.0261	0.0348	90	-0.55
Boron	mg/l	0.0162 \pm 0.000839	0.017 \pm 0.0026	0.00179	105	0.15
Calcium	mg/l	65.6 \pm 0.729	66.38 \pm 6.638	2.03	101	0.06
Chloride	mg/l	41.2 \pm 0.375	40.45 \pm 4.045	1.65	98.3	-0.09
El. conductivity (25°C)	μ S/cm	571 \pm 1.88	575 \pm 57.5	7.42	101	0.04
Hydrogen carbonate	mg/l	211 \pm 1.2	208.7 \pm 31.3	4.22	98.9	-0.04
Magnesium	mg/l	15.8 \pm 0.174	15.53 \pm 1.553	0.632	98.3	-0.09
Nitrate (as NO ₃)	mg/l	29.5 \pm 0.271	29.868 \pm 1.4934	1.48	101	0.11
Nitrite (as NO ₂)	mg/l	0.385 \pm 0.00518	0.361 \pm 0.0542	0.0204	93.7	-0.23
Orthophosphate (as PO ₄)	mg/l	0.411 \pm 0.051	0.546 \pm 0.0819	0.123	133	0.79
pH-value	-	7.58 \pm 0.0328	7 \pm 0.2	0.152	92.4	-1.44
Potassium	mg/l	2.79 \pm 0.0421	2.85 \pm 0.285	0.145	102	0.10
Sodium	mg/l	24.8 \pm 0.253	24.72 \pm 2.472	0.844	99.6	-0.02
Sulfate (as SO ₄)	mg/l	32 \pm 0.308	33.68 \pm 3.368	1.06	105	0.24
Total-P (as PO ₄)	mg/l	2.01 \pm 0.0245	2.06 \pm 0.31	0.151	103	0.08
Total hardness	mmol/l	2.29 \pm 0.0232	2.29 \pm 0.229	0.0686	100	0.00
Total nitrogen	mg/l	7.29 \pm 0.23	- \pm -	0.605	-	-

Sample: N180BDOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	2.87 \pm 0.0629	2.8 \pm 0.22	0.287	97.5	-0.16



Sample: N180A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	7.31 \pm 0.0254	- \pm -	0.146	-	-
Ammonium (as NH ₄)	mg/l	0.0867 \pm 0.00322	0.092 \pm 0.018	0.0104	106	0.50
Boron	mg/l	0.0592 \pm 0.00162	<0.1 \pm -	0.00652	-	-
Calcium	mg/l	168 \pm 1.9	- \pm -	5.2	-	-
Chloride	mg/l	110 \pm 0.63	113.8 \pm 6.83	4.41	103	0.82
El. conductivity (25°C)	μ S/cm	1170 \pm 4.33	1180 \pm 59	15.3	101	0.40
Hydrogen carbonate	mg/l	445 \pm 1.63	- \pm -	8.9	-	-
Magnesium	mg/l	39.8 \pm 0.541	- \pm -	1.59	-	-
Nitrate (as NO ₃)	mg/l	10.1 \pm 0.0896	10.3 \pm 0.41	0.507	102	0.31
Nitrite (as NO ₂)	mg/l	0.0307 \pm 0.00108	0.033 \pm 0.0066	0.00307	108	0.76
Orthophosphate (as PO ₄)	mg/l	0.051 \pm 0.00379	0.062 \pm 0.0186	0.0102	121	1.07
pH-value	-	7.6 \pm 0.0251	7.4 \pm 0.37	0.152	97.3	-1.34
Potassium	mg/l	2.5 \pm 0.0456	- \pm -	0.13	-	-
Sodium	mg/l	23.3 \pm 0.188	- \pm -	0.791	-	-
Sulfate (as SO ₄)	mg/l	106 \pm 0.947	110.4 \pm 7.73	3.51	104	1.13
Total-P (as PO ₄)	mg/l	0.145 \pm 0.00263	- \pm -	0.0109	-	-
Total hardness	mmol/l	5.84 \pm 0.0648	- \pm -	0.175	-	-
Total nitrogen	mg/l	2.49 \pm 0.0962	- \pm -	0.207	-	-

Sample: N180ADOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.55 \pm 0.082	- \pm -	0.186	-	-

Sample: N180B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	3.5 \pm 0.0202	- \pm -	0.0699	-	-

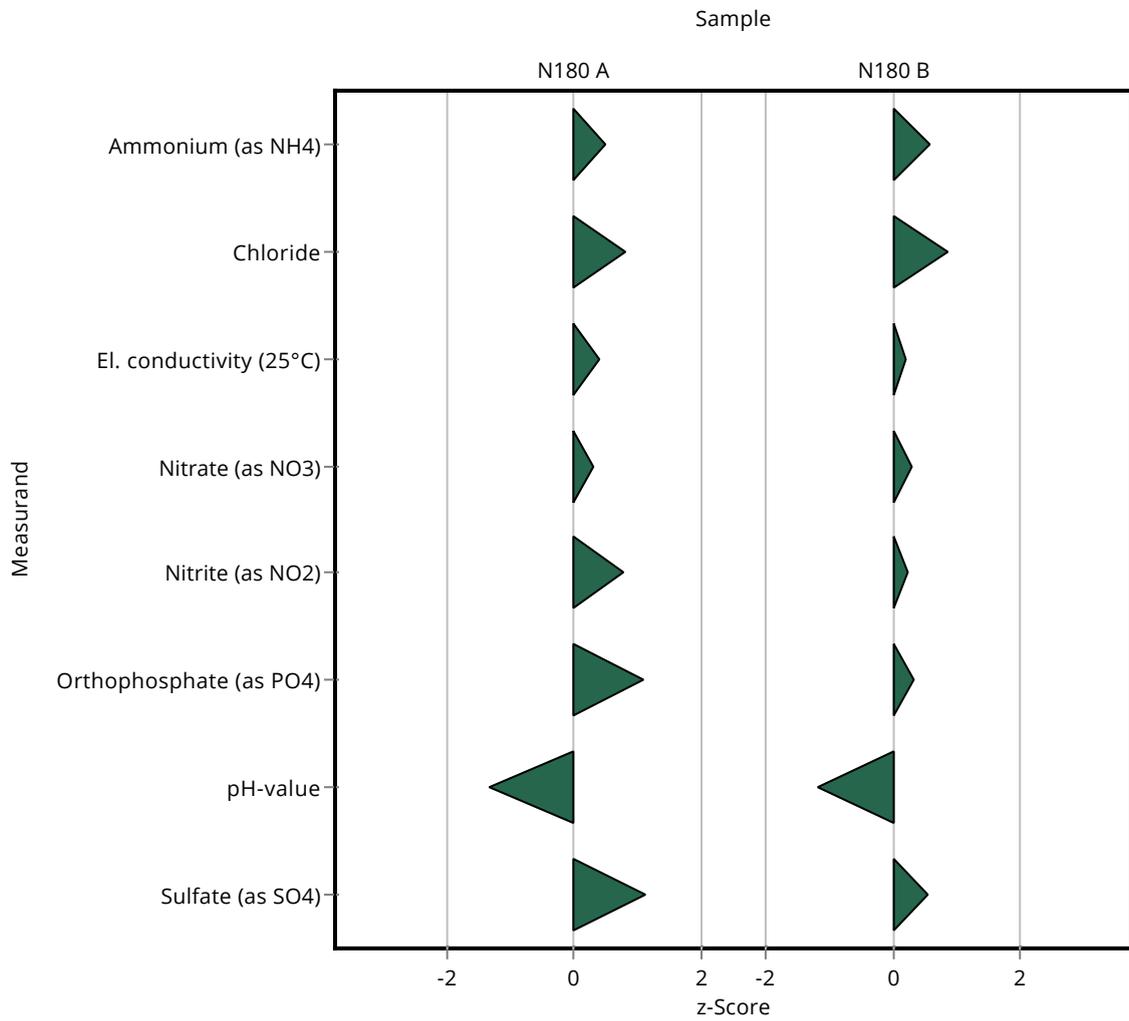
Summary of results Nutrients/Major Ions N180

Labcode: LC0030

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.29 \pm 0.0086	0.31 \pm 0.059	0.0348	107	0.58
Boron	mg/l	0.0162 \pm 0.000839	<0.1 \pm -	0.00179	-	-
Calcium	mg/l	65.6 \pm 0.729	- \pm -	2.03	-	-
Chloride	mg/l	41.2 \pm 0.375	42.6 \pm 2.56	1.65	103	0.87
El. conductivity (25°C)	μ S/cm	571 \pm 1.88	572 \pm 29	7.42	100	0.19
Hydrogen carbonate	mg/l	211 \pm 1.2	- \pm -	4.22	-	-
Magnesium	mg/l	15.8 \pm 0.174	- \pm -	0.632	-	-
Nitrate (as NO ₃)	mg/l	29.5 \pm 0.271	30 \pm 1.2	1.48	102	0.31
Nitrite (as NO ₂)	mg/l	0.385 \pm 0.00518	0.39 \pm 0.078	0.0204	101	0.22
Orthophosphate (as PO ₄)	mg/l	0.411 \pm 0.051	0.45 \pm 0.135	0.123	109	0.32
pH-value	-	7.58 \pm 0.0328	7.4 \pm 0.37	0.152	97.7	-1.17
Potassium	mg/l	2.79 \pm 0.0421	- \pm -	0.145	-	-
Sodium	mg/l	24.8 \pm 0.253	- \pm -	0.844	-	-
Sulfate (as SO ₄)	mg/l	32 \pm 0.308	32.6 \pm 2.28	1.06	102	0.53
Total-P (as PO ₄)	mg/l	2.01 \pm 0.0245	- \pm -	0.151	-	-
Total hardness	mmol/l	2.29 \pm 0.0232	- \pm -	0.0686	-	-
Total nitrogen	mg/l	7.29 \pm 0.23	- \pm -	0.605	-	-

Sample: N180BDOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.87 \pm 0.0629	- \pm -	0.287	-	-



Sample: N180A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	7.31 \pm 0.0254	- \pm -	0.146	-	-
Ammonium (as NH ₄)	mg/l	0.0867 \pm 0.00322	0.092 \pm 0.018	0.0104	106	0.15
Boron	mg/l	0.0592 \pm 0.00162	<0.1 \pm -	0.00652	-	-
Calcium	mg/l	168 \pm 1.9	- \pm -	5.2	-	-
Chloride	mg/l	110 \pm 0.63	113.8 \pm 6.83	4.41	103	0.26
El. conductivity (25°C)	μ S/cm	1170 \pm 4.33	1180 \pm 59	15.3	101	0.05
Hydrogen carbonate	mg/l	445 \pm 1.63	- \pm -	8.9	-	-
Magnesium	mg/l	39.8 \pm 0.541	- \pm -	1.59	-	-
Nitrate (as NO ₃)	mg/l	10.1 \pm 0.0896	10.3 \pm 0.41	0.507	102	0.19
Nitrite (as NO ₂)	mg/l	0.0307 \pm 0.00108	0.033 \pm 0.0066	0.00307	108	0.18
Orthophosphate (as PO ₄)	mg/l	0.051 \pm 0.00379	0.062 \pm 0.0186	0.0102	121	0.29
pH-value	-	7.6 \pm 0.0251	7.4 \pm 0.37	0.152	97.3	-0.28
Potassium	mg/l	2.5 \pm 0.0456	- \pm -	0.13	-	-
Sodium	mg/l	23.3 \pm 0.188	- \pm -	0.791	-	-
Sulfate (as SO ₄)	mg/l	106 \pm 0.947	110.4 \pm 7.73	3.51	104	0.26
Total-P (as PO ₄)	mg/l	0.145 \pm 0.00263	- \pm -	0.0109	-	-
Total hardness	mmol/l	5.84 \pm 0.0648	- \pm -	0.175	-	-
Total nitrogen	mg/l	2.49 \pm 0.0962	- \pm -	0.207	-	-

Sample: N180ADOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.55 \pm 0.082	- \pm -	0.186	-	-

Sample: N180B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	3.5 \pm 0.0202	- \pm -	0.0699	-	-

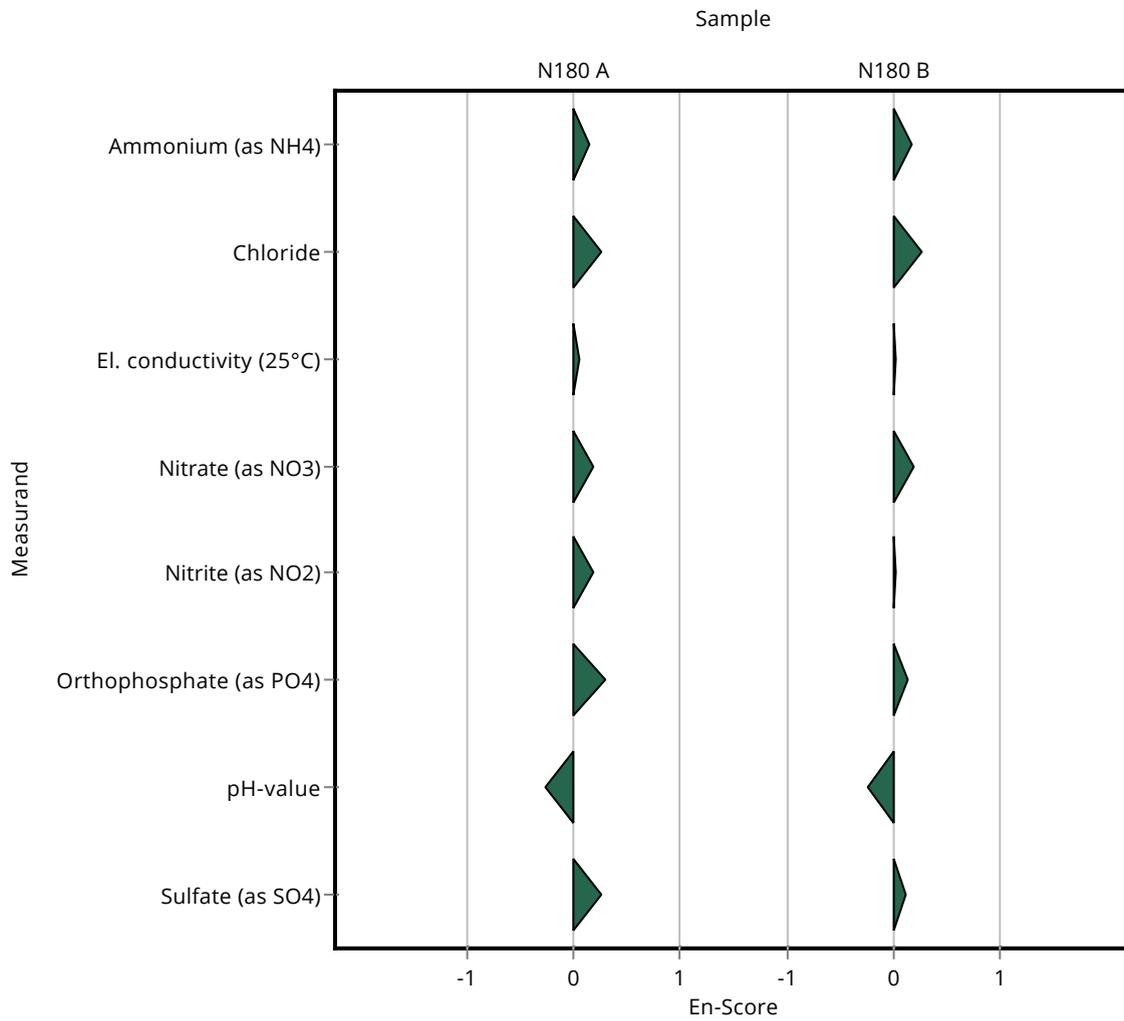
Summary of results Nutrients/Major Ions N180 - En-Score

Labcode: LC0030

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.29 \pm 0.0086	0.31 \pm 0.059	0.0348	107	0.17
Boron	mg/l	0.0162 \pm 0.000839	<0.1 \pm -	0.00179	-	-
Calcium	mg/l	65.6 \pm 0.729	- \pm -	2.03	-	-
Chloride	mg/l	41.2 \pm 0.375	42.6 \pm 2.56	1.65	103	0.28
El. conductivity (25°C)	μ S/cm	571 \pm 1.88	572 \pm 29	7.42	100	0.02
Hydrogen carbonate	mg/l	211 \pm 1.2	- \pm -	4.22	-	-
Magnesium	mg/l	15.8 \pm 0.174	- \pm -	0.632	-	-
Nitrate (as NO ₃)	mg/l	29.5 \pm 0.271	30 \pm 1.2	1.48	102	0.19
Nitrite (as NO ₂)	mg/l	0.385 \pm 0.00518	0.39 \pm 0.078	0.0204	101	0.03
Orthophosphate (as PO ₄)	mg/l	0.411 \pm 0.051	0.45 \pm 0.135	0.123	109	0.14
pH-value	-	7.58 \pm 0.0328	7.4 \pm 0.37	0.152	97.7	-0.24
Potassium	mg/l	2.79 \pm 0.0421	- \pm -	0.145	-	-
Sodium	mg/l	24.8 \pm 0.253	- \pm -	0.844	-	-
Sulfate (as SO ₄)	mg/l	32 \pm 0.308	32.6 \pm 2.28	1.06	102	0.12
Total-P (as PO ₄)	mg/l	2.01 \pm 0.0245	- \pm -	0.151	-	-
Total hardness	mmol/l	2.29 \pm 0.0232	- \pm -	0.0686	-	-
Total nitrogen	mg/l	7.29 \pm 0.23	- \pm -	0.605	-	-

Sample: N180BDOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	2.87 \pm 0.0629	- \pm -	0.287	-	-



Sample: N180A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	7.31 \pm 0.0254	- \pm -	0.146	-	-
Ammonium (as NH ₄)	mg/l	0.0867 \pm 0.00322	0.099 \pm 0.005	0.0104	114	1.18
Boron	mg/l	0.0592 \pm 0.00162	- \pm -	0.00652	-	-
Calcium	mg/l	168 \pm 1.9	171.25 \pm 10.99	5.2	102	0.66
Chloride	mg/l	110 \pm 0.63	111.32 \pm 4.74	4.41	101	0.26
El. conductivity (25°C)	μ S/cm	1170 \pm 4.33	1224.5 \pm 61.23	15.3	104	3.31
Hydrogen carbonate	mg/l	445 \pm 1.63	- \pm -	8.9	-	-
Magnesium	mg/l	39.8 \pm 0.541	38.09 \pm 0.53	1.59	95.8	-1.06
Nitrate (as NO ₃)	mg/l	10.1 \pm 0.0896	9.883 \pm 0.573	0.507	97.4	-0.52
Nitrite (as NO ₂)	mg/l	0.0307 \pm 0.00108	0.02 \pm 0.007	0.00307	65.2	-3.48
Orthophosphate (as PO ₄)	mg/l	0.051 \pm 0.00379	0.087 \pm 0.01	0.0102	170	3.52
pH-value	-	7.6 \pm 0.0251	7.85 \pm 0.01	0.152	103	1.62
Potassium	mg/l	2.5 \pm 0.0456	2.8 \pm 0.38	0.13	112	2.35
Sodium	mg/l	23.3 \pm 0.188	24.7 \pm 0.22	0.791	106	1.82
Sulfate (as SO ₄)	mg/l	106 \pm 0.947	89.72 \pm 10.87	3.51	84.3	-4.76
Total-P (as PO ₄)	mg/l	0.145 \pm 0.00263	- \pm -	0.0109	-	-
Total hardness	mmol/l	5.84 \pm 0.0648	5.84 \pm 0.38	0.175	100	0.00
Total nitrogen	mg/l	2.49 \pm 0.0962	- \pm -	0.207	-	-

Sample: N180ADOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.55 \pm 0.082	1.925 \pm 0.385	0.186	124	2.00

Sample: N180B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	3.5 \pm 0.0202	- \pm -	0.0699	-	-

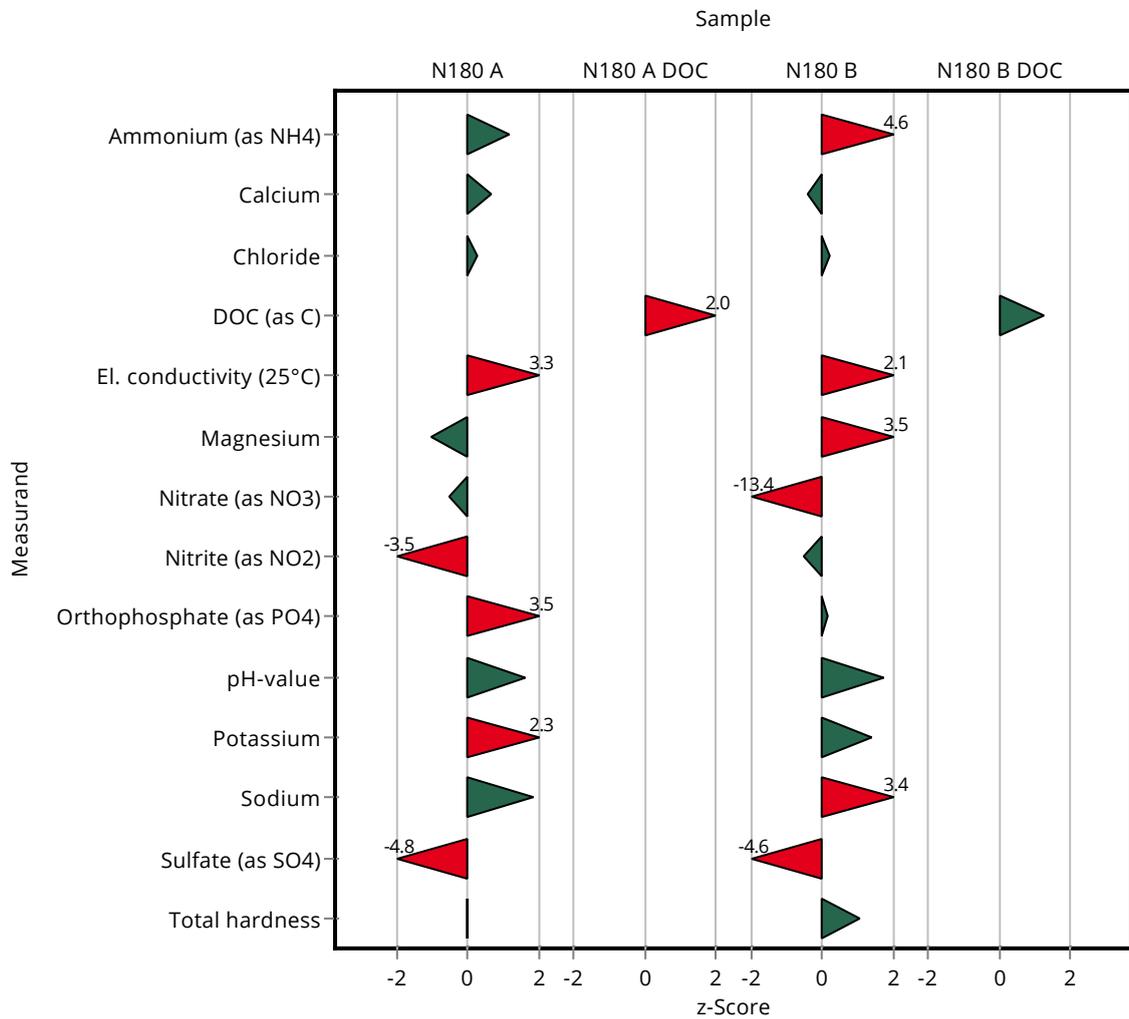
Summary of results Nutrients/Major Ions N180

Labcode: LC0031

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.29 \pm 0.0086	0.45 \pm 0.023	0.0348	155	4.60
Boron	mg/l	0.0162 \pm 0.000839	- \pm -	0.00179	-	-
Calcium	mg/l	65.6 \pm 0.729	64.83 \pm 4.28	2.03	98.8	-0.40
Chloride	mg/l	41.2 \pm 0.375	41.55 \pm 2.65	1.65	101	0.24
El. conductivity (25°C)	μ S/cm	571 \pm 1.88	586.4 \pm 29.32	7.42	103	2.13
Hydrogen carbonate	mg/l	211 \pm 1.2	- \pm -	4.22	-	-
Magnesium	mg/l	15.8 \pm 0.174	17.98 \pm 0.25	0.632	114	3.45
Nitrate (as NO ₃)	mg/l	29.5 \pm 0.271	9.752 \pm 0.566	1.48	33	-13.40
Nitrite (as NO ₂)	mg/l	0.385 \pm 0.00518	0.375 \pm 0.053	0.0204	97.3	-0.51
Orthophosphate (as PO ₄)	mg/l	0.411 \pm 0.051	0.43 \pm 0.042	0.123	105	0.15
pH-value	-	7.58 \pm 0.0328	7.84 \pm 0.01	0.152	103	1.73
Potassium	mg/l	2.79 \pm 0.0421	3 \pm 0.39	0.145	107	1.41
Sodium	mg/l	24.8 \pm 0.253	27.7 \pm 0.24	0.844	112	3.40
Sulfate (as SO ₄)	mg/l	32 \pm 0.308	27.16 \pm 3.36	1.06	84.8	-4.61
Total-P (as PO ₄)	mg/l	2.01 \pm 0.0245	- \pm -	0.151	-	-
Total hardness	mmol/l	2.29 \pm 0.0232	2.36 \pm 0.12	0.0686	103	1.05
Total nitrogen	mg/l	7.29 \pm 0.23	- \pm -	0.605	-	-

Sample: N180BDOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.87 \pm 0.0629	3.225 \pm 0.645	0.287	112	1.23



Sample: N180A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	7.31 \pm 0.0254	- \pm -	0.146	-	-
Ammonium (as NH ₄)	mg/l	0.0867 \pm 0.00322	0.099 \pm 0.005	0.0104	114	1.17
Boron	mg/l	0.0592 \pm 0.00162	- \pm -	0.00652	-	-
Calcium	mg/l	168 \pm 1.9	171.25 \pm 10.99	5.2	102	0.16
Chloride	mg/l	110 \pm 0.63	111.32 \pm 4.74	4.41	101	0.12
El. conductivity (25°C)	μ S/cm	1170 \pm 4.33	1224.5 \pm 61.23	15.3	104	0.41
Hydrogen carbonate	mg/l	445 \pm 1.63	- \pm -	8.9	-	-
Magnesium	mg/l	39.8 \pm 0.541	38.09 \pm 0.53	1.59	95.8	-1.41
Nitrate (as NO ₃)	mg/l	10.1 \pm 0.0896	9.883 \pm 0.573	0.507	97.4	-0.23
Nitrite (as NO ₂)	mg/l	0.0307 \pm 0.00108	0.02 \pm 0.007	0.00307	65.2	-0.76
Orthophosphate (as PO ₄)	mg/l	0.051 \pm 0.00379	0.087 \pm 0.01	0.0102	170	1.77
pH-value	-	7.6 \pm 0.0251	7.85 \pm 0.01	0.152	103	7.65
Potassium	mg/l	2.5 \pm 0.0456	2.8 \pm 0.38	0.13	112	0.40
Sodium	mg/l	23.3 \pm 0.188	24.7 \pm 0.22	0.791	106	3.01
Sulfate (as SO ₄)	mg/l	106 \pm 0.947	89.72 \pm 10.87	3.51	84.3	-0.77
Total-P (as PO ₄)	mg/l	0.145 \pm 0.00263	- \pm -	0.0109	-	-
Total hardness	mmol/l	5.84 \pm 0.0648	5.84 \pm 0.38	0.175	100	0.00
Total nitrogen	mg/l	2.49 \pm 0.0962	- \pm -	0.207	-	-

Sample: N180ADOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.55 \pm 0.082	1.925 \pm 0.385	0.186	124	0.48

Sample: N180B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	3.5 \pm 0.0202	- \pm -	0.0699	-	-

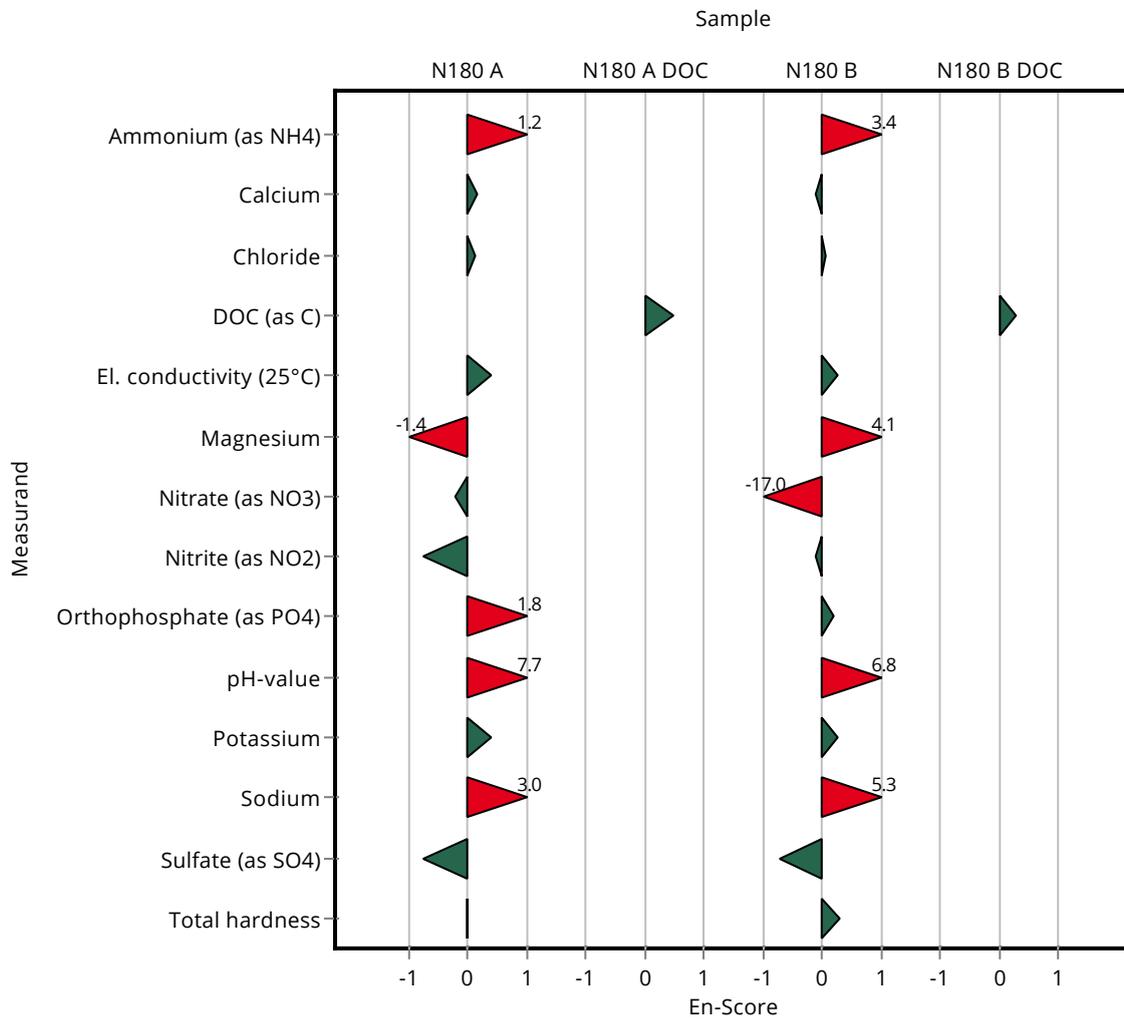
Summary of results Nutrients/Major Ions N180 - En-Score

Labcode: LC0031

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En- Score
Ammonium (as NH ₄)	mg/l	0.29 \pm 0.0086	0.45 \pm 0.023	0.0348	155	3.42
Boron	mg/l	0.0162 \pm 0.000839	- \pm -	0.00179	-	-
Calcium	mg/l	65.6 \pm 0.729	64.83 \pm 4.28	2.03	98.8	-0.09
Chloride	mg/l	41.2 \pm 0.375	41.55 \pm 2.65	1.65	101	0.07
El. conductivity (25°C)	μ S/cm	571 \pm 1.88	586.4 \pm 29.32	7.42	103	0.27
Hydrogen carbonate	mg/l	211 \pm 1.2	- \pm -	4.22	-	-
Magnesium	mg/l	15.8 \pm 0.174	17.98 \pm 0.25	0.632	114	4.12
Nitrate (as NO ₃)	mg/l	29.5 \pm 0.271	9.752 \pm 0.566	1.48	33	-17.01
Nitrite (as NO ₂)	mg/l	0.385 \pm 0.00518	0.375 \pm 0.053	0.0204	97.3	-0.10
Orthophosphate (as PO ₄)	mg/l	0.411 \pm 0.051	0.43 \pm 0.042	0.123	105	0.19
pH-value	-	7.58 \pm 0.0328	7.84 \pm 0.01	0.152	103	6.82
Potassium	mg/l	2.79 \pm 0.0421	3 \pm 0.39	0.145	107	0.26
Sodium	mg/l	24.8 \pm 0.253	27.7 \pm 0.24	0.844	112	5.29
Sulfate (as SO ₄)	mg/l	32 \pm 0.308	27.16 \pm 3.36	1.06	84.8	-0.72
Total-P (as PO ₄)	mg/l	2.01 \pm 0.0245	- \pm -	0.151	-	-
Total hardness	mmol/l	2.29 \pm 0.0232	2.36 \pm 0.12	0.0686	103	0.30
Total nitrogen	mg/l	7.29 \pm 0.23	- \pm -	0.605	-	-

Sample: N180BDOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En- Score
DOC (as C)	mg/l	2.87 \pm 0.0629	3.225 \pm 0.645	0.287	112	0.27



Sample: N180A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	7.31 \pm 0.0254	7.32 \pm 0.288	0.146	100	0.07
Ammonium (as NH ₄)	mg/l	0.0867 \pm 0.00322	0.0549 \pm 0.0091	0.0104	63.3	-3.06
Boron	mg/l	0.0592 \pm 0.00162	- \pm -	0.00652	-	-
Calcium	mg/l	168 \pm 1.9	164.8 \pm 17.3	5.2	98.2	-0.58
Chloride	mg/l	110 \pm 0.63	110.4 \pm 18.3	4.41	100	0.05
El. conductivity (25°C)	μ S/cm	1170 \pm 4.33	1188 \pm 36.4	15.3	101	0.92
Hydrogen carbonate	mg/l	445 \pm 1.63	446.7 \pm 17.3	8.9	100	0.17
Magnesium	mg/l	39.8 \pm 0.541	38.8 \pm 4.11	1.59	97.6	-0.61
Nitrate (as NO ₃)	mg/l	10.1 \pm 0.0896	11.08 \pm 1.61	0.507	109	1.84
Nitrite (as NO ₂)	mg/l	0.0307 \pm 0.00108	0.0315 \pm 0.00645	0.00307	103	0.27
Orthophosphate (as PO ₄)	mg/l	0.051 \pm 0.00379	- \pm -	0.0102	-	-
pH-value	-	7.6 \pm 0.0251	7.58 \pm 0.2	0.152	99.7	-0.16
Potassium	mg/l	2.5 \pm 0.0456	2.475 \pm 0.267	0.13	99.2	-0.16
Sodium	mg/l	23.3 \pm 0.188	23.1 \pm 2.43	0.791	99.3	-0.20
Sulfate (as SO ₄)	mg/l	106 \pm 0.947	107.2 \pm 14	3.51	101	0.22
Total-P (as PO ₄)	mg/l	0.145 \pm 0.00263	- \pm -	0.0109	-	-
Total hardness	mmol/l	5.84 \pm 0.0648	- \pm -	0.175	-	-
Total nitrogen	mg/l	2.49 \pm 0.0962	- \pm -	0.207	-	-

Sample: N180ADOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.55 \pm 0.082	1.41 \pm 0.26	0.186	90.8	-0.76

Sample: N180B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	3.5 \pm 0.0202	3.463 \pm 0.138	0.0699	99.1	-0.46

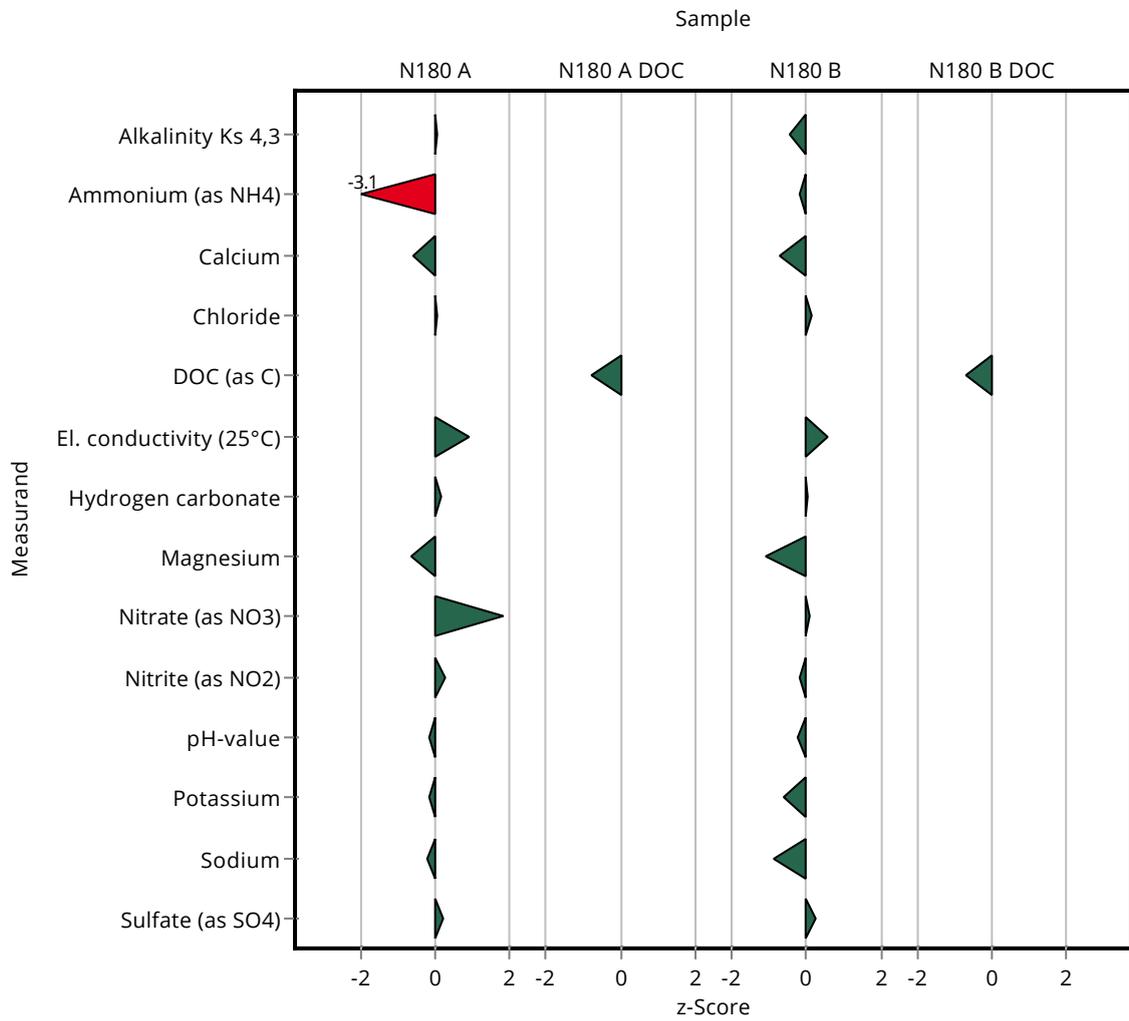
Summary of results Nutrients/Major Ions N180

Labcode: LC0032

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.29 \pm 0.0086	0.284 \pm 0.046	0.0348	97.9	-0.17
Boron	mg/l	0.0162 \pm 0.000839	- \pm -	0.00179	-	-
Calcium	mg/l	65.6 \pm 0.729	64.2 \pm 6.84	2.03	97.8	-0.71
Chloride	mg/l	41.2 \pm 0.375	41.4 \pm 7.07	1.65	101	0.15
El. conductivity (25°C)	μ S/cm	571 \pm 1.88	574.9 \pm 19.7	7.42	101	0.58
Hydrogen carbonate	mg/l	211 \pm 1.2	211.3 \pm 8.21	4.22	100	0.05
Magnesium	mg/l	15.8 \pm 0.174	15.1 \pm 1.63	0.632	95.6	-1.10
Nitrate (as NO ₃)	mg/l	29.5 \pm 0.271	29.65 \pm 4.17	1.48	100	0.07
Nitrite (as NO ₂)	mg/l	0.385 \pm 0.00518	0.382 \pm 0.065	0.0204	99.1	-0.17
Orthophosphate (as PO ₄)	mg/l	0.411 \pm 0.051	- \pm -	0.123	-	-
pH-value	-	7.58 \pm 0.0328	7.54 \pm 0.2	0.152	99.5	-0.25
Potassium	mg/l	2.79 \pm 0.0421	2.708 \pm 0.297	0.145	96.9	-0.60
Sodium	mg/l	24.8 \pm 0.253	24.1 \pm 2.59	0.844	97.1	-0.86
Sulfate (as SO ₄)	mg/l	32 \pm 0.308	32.28 \pm 4.29	1.06	101	0.23
Total-P (as PO ₄)	mg/l	2.01 \pm 0.0245	- \pm -	0.151	-	-
Total hardness	mmol/l	2.29 \pm 0.0232	- \pm -	0.0686	-	-
Total nitrogen	mg/l	7.29 \pm 0.23	- \pm -	0.605	-	-

Sample: N180BDOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.87 \pm 0.0629	2.67 \pm 0.32	0.287	93	-0.70



Sample: N180A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	7.31 \pm 0.0254	7.32 \pm 0.288	0.146	100	0.02
Ammonium (as NH ₄)	mg/l	0.0867 \pm 0.00322	0.0549 \pm 0.0091	0.0104	63.3	-1.72
Boron	mg/l	0.0592 \pm 0.00162	- \pm -	0.00652	-	-
Calcium	mg/l	168 \pm 1.9	164.8 \pm 17.3	5.2	98.2	-0.09
Chloride	mg/l	110 \pm 0.63	110.4 \pm 18.3	4.41	100	0.01
El. conductivity (25°C)	μ S/cm	1170 \pm 4.33	1188 \pm 36.4	15.3	101	0.19
Hydrogen carbonate	mg/l	445 \pm 1.63	446.7 \pm 17.3	8.9	100	0.04
Magnesium	mg/l	39.8 \pm 0.541	38.8 \pm 4.11	1.59	97.6	-0.12
Nitrate (as NO ₃)	mg/l	10.1 \pm 0.0896	11.08 \pm 1.61	0.507	109	0.29
Nitrite (as NO ₂)	mg/l	0.0307 \pm 0.00108	0.0315 \pm 0.00645	0.00307	103	0.06
Orthophosphate (as PO ₄)	mg/l	0.051 \pm 0.00379	- \pm -	0.0102	-	-
pH-value	-	7.6 \pm 0.0251	7.58 \pm 0.2	0.152	99.7	-0.06
Potassium	mg/l	2.5 \pm 0.0456	2.475 \pm 0.267	0.13	99.2	-0.04
Sodium	mg/l	23.3 \pm 0.188	23.1 \pm 2.43	0.791	99.3	-0.03
Sulfate (as SO ₄)	mg/l	106 \pm 0.947	107.2 \pm 14	3.51	101	0.03
Total-P (as PO ₄)	mg/l	0.145 \pm 0.00263	- \pm -	0.0109	-	-
Total hardness	mmol/l	5.84 \pm 0.0648	- \pm -	0.175	-	-
Total nitrogen	mg/l	2.49 \pm 0.0962	- \pm -	0.207	-	-

Sample: N180ADOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.55 \pm 0.082	1.41 \pm 0.26	0.186	90.8	-0.27

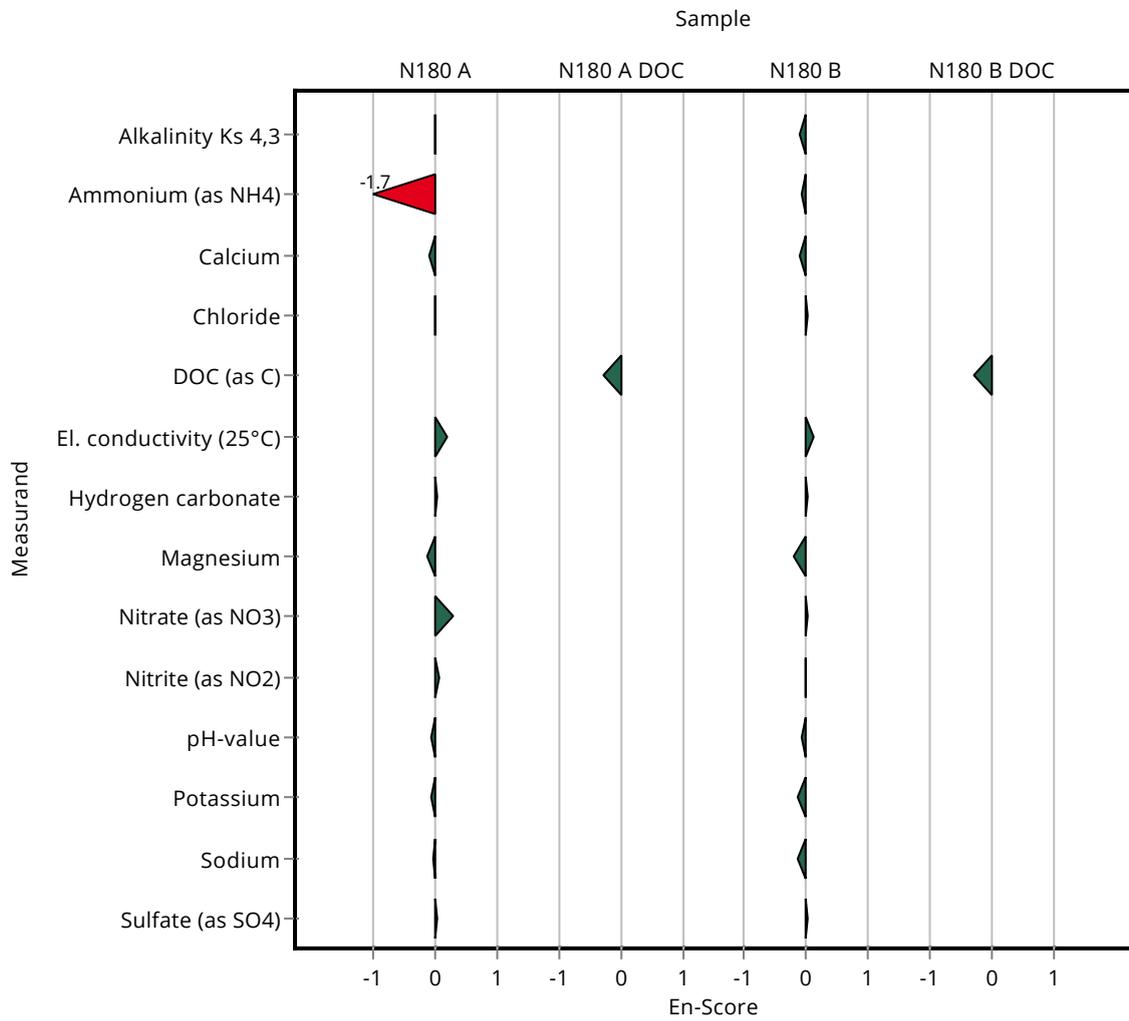
Sample: N180B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	3.5 \pm 0.0202	3.463 \pm 0.138	0.0699	99.1	-0.12

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.29 \pm 0.0086	0.284 \pm 0.046	0.0348	97.9	-0.06
Boron	mg/l	0.0162 \pm 0.000839	- \pm -	0.00179	-	-
Calcium	mg/l	65.6 \pm 0.729	64.2 \pm 6.84	2.03	97.8	-0.10
Chloride	mg/l	41.2 \pm 0.375	41.4 \pm 7.07	1.65	101	0.02
El. conductivity (25°C)	μ S/cm	571 \pm 1.88	574.9 \pm 19.7	7.42	101	0.11
Hydrogen carbonate	mg/l	211 \pm 1.2	211.3 \pm 8.21	4.22	100	0.01
Magnesium	mg/l	15.8 \pm 0.174	15.1 \pm 1.63	0.632	95.6	-0.21
Nitrate (as NO ₃)	mg/l	29.5 \pm 0.271	29.65 \pm 4.17	1.48	100	0.01
Nitrite (as NO ₂)	mg/l	0.385 \pm 0.00518	0.382 \pm 0.065	0.0204	99.1	-0.03
Orthophosphate (as PO ₄)	mg/l	0.411 \pm 0.051	- \pm -	0.123	-	-
pH-value	-	7.58 \pm 0.0328	7.54 \pm 0.2	0.152	99.5	-0.09
Potassium	mg/l	2.79 \pm 0.0421	2.708 \pm 0.297	0.145	96.9	-0.15
Sodium	mg/l	24.8 \pm 0.253	24.1 \pm 2.59	0.844	97.1	-0.14
Sulfate (as SO ₄)	mg/l	32 \pm 0.308	32.28 \pm 4.29	1.06	101	0.03
Total-P (as PO ₄)	mg/l	2.01 \pm 0.0245	- \pm -	0.151	-	-
Total hardness	mmol/l	2.29 \pm 0.0232	- \pm -	0.0686	-	-
Total nitrogen	mg/l	7.29 \pm 0.23	- \pm -	0.605	-	-

Sample: N180BDOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	2.87 \pm 0.0629	2.67 \pm 0.32	0.287	93	-0.31



Sample: N180A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	7.31 \pm 0.0254	7.3 \pm 0.31	0.146	99.9	-0.07
Ammonium (as NH ₄)	mg/l	0.0867 \pm 0.00322	0.0733 \pm 0.007	0.0104	84.5	-1.29
Boron	mg/l	0.0592 \pm 0.00162	- \pm -	0.00652	-	-
Calcium	mg/l	168 \pm 1.9	171 \pm 7.9	5.2	102	0.61
Chloride	mg/l	110 \pm 0.63	109 \pm 5.2	4.41	98.9	-0.27
El. conductivity (25°C)	μ S/cm	1170 \pm 4.33	1187 \pm 19	15.3	101	0.86
Hydrogen carbonate	mg/l	445 \pm 1.63	446 \pm 18.3	8.9	100	0.09
Magnesium	mg/l	39.8 \pm 0.541	40.4 \pm 2.4	1.59	102	0.40
Nitrate (as NO ₃)	mg/l	10.1 \pm 0.0896	10.3 \pm 0.4	0.507	102	0.31
Nitrite (as NO ₂)	mg/l	0.0307 \pm 0.00108	0.029 \pm 0.001	0.00307	94.6	-0.54
Orthophosphate (as PO ₄)	mg/l	0.051 \pm 0.00379	0.0564 \pm 0.005	0.0102	111	0.53
pH-value	-	7.6 \pm 0.0251	7.55 \pm 0.02	0.152	99.3	-0.36
Potassium	mg/l	2.5 \pm 0.0456	2.31 \pm 0.18	0.13	92.6	-1.43
Sodium	mg/l	23.3 \pm 0.188	23.4 \pm 1.03	0.791	101	0.18
Sulfate (as SO ₄)	mg/l	106 \pm 0.947	107 \pm 5.8	3.51	101	0.16
Total-P (as PO ₄)	mg/l	0.145 \pm 0.00263	- \pm -	0.0109	-	-
Total hardness	mmol/l	5.84 \pm 0.0648	5.94 \pm 0.59	0.175	102	0.58
Total nitrogen	mg/l	2.49 \pm 0.0962	- \pm -	0.207	-	-

Sample: N180ADOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.55 \pm 0.082	- \pm -	0.186	-	-

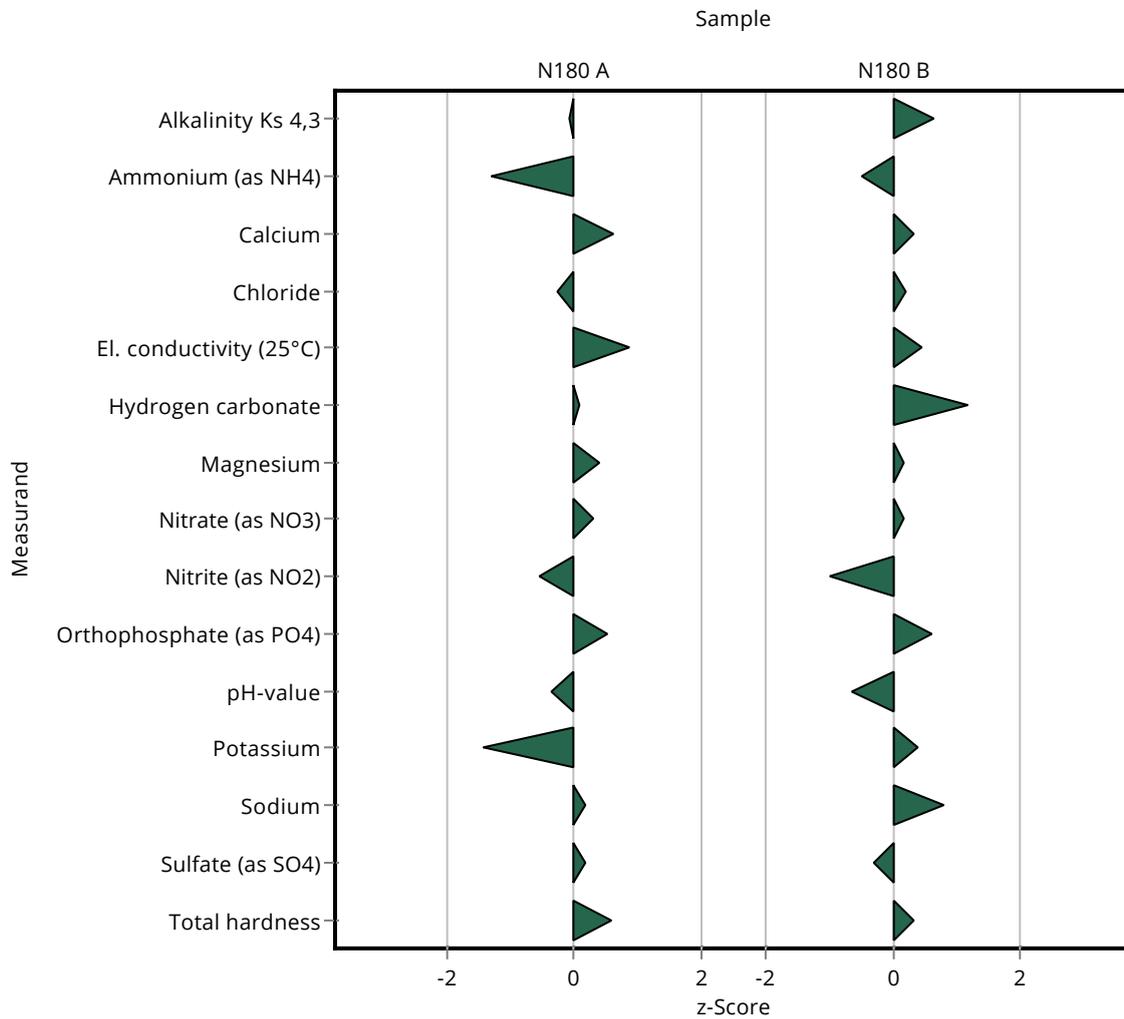
Sample: N180B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	3.5 \pm 0.0202	3.54 \pm 0.15	0.0699	101	0.64

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.29 \pm 0.0086	0.273 \pm 0.03	0.0348	94.2	-0.49
Boron	mg/l	0.0162 \pm 0.000839	- \pm -	0.00179	-	-
Calcium	mg/l	65.6 \pm 0.729	66.3 \pm 3.05	2.03	101	0.33
Chloride	mg/l	41.2 \pm 0.375	41.5 \pm 2	1.65	101	0.21
El. conductivity (25°C)	μ S/cm	571 \pm 1.88	574 \pm 9.2	7.42	101	0.46
Hydrogen carbonate	mg/l	211 \pm 1.2	216 \pm 8.9	4.22	102	1.16
Magnesium	mg/l	15.8 \pm 0.174	15.9 \pm 0.95	0.632	101	0.16
Nitrate (as NO ₃)	mg/l	29.5 \pm 0.271	29.8 \pm 1.2	1.48	101	0.17
Nitrite (as NO ₂)	mg/l	0.385 \pm 0.00518	0.365 \pm 0.02	0.0204	94.7	-1.00
Orthophosphate (as PO ₄)	mg/l	0.411 \pm 0.051	0.486 \pm 0.04	0.123	118	0.61
pH-value	-	7.58 \pm 0.0328	7.48 \pm 0.015	0.152	98.7	-0.65
Potassium	mg/l	2.79 \pm 0.0421	2.85 \pm 0.22	0.145	102	0.38
Sodium	mg/l	24.8 \pm 0.253	25.5 \pm 1.12	0.844	103	0.79
Sulfate (as SO ₄)	mg/l	32 \pm 0.308	31.7 \pm 1.71	1.06	99	-0.32
Total-P (as PO ₄)	mg/l	2.01 \pm 0.0245	- \pm -	0.151	-	-
Total hardness	mmol/l	2.29 \pm 0.0232	2.31 \pm 0.23	0.0686	101	0.32
Total nitrogen	mg/l	7.29 \pm 0.23	- \pm -	0.605	-	-

Sample: N180BDOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.87 \pm 0.0629	- \pm -	0.287	-	-



Sample: N180A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	7.31 \pm 0.0254	7.3 \pm 0.31	0.146	99.9	-0.02
Ammonium (as NH ₄)	mg/l	0.0867 \pm 0.00322	0.0733 \pm 0.007	0.0104	84.5	-0.94
Boron	mg/l	0.0592 \pm 0.00162	- \pm -	0.00652	-	-
Calcium	mg/l	168 \pm 1.9	171 \pm 7.9	5.2	102	0.20
Chloride	mg/l	110 \pm 0.63	109 \pm 5.2	4.41	98.9	-0.11
El. conductivity (25°C)	μ S/cm	1170 \pm 4.33	1187 \pm 19	15.3	101	0.34
Hydrogen carbonate	mg/l	445 \pm 1.63	446 \pm 18.3	8.9	100	0.02
Magnesium	mg/l	39.8 \pm 0.541	40.4 \pm 2.4	1.59	102	0.13
Nitrate (as NO ₃)	mg/l	10.1 \pm 0.0896	10.3 \pm 0.4	0.507	102	0.19
Nitrite (as NO ₂)	mg/l	0.0307 \pm 0.00108	0.029 \pm 0.001	0.00307	94.6	-0.73
Orthophosphate (as PO ₄)	mg/l	0.051 \pm 0.00379	0.0564 \pm 0.005	0.0102	111	0.50
pH-value	-	7.6 \pm 0.0251	7.55 \pm 0.02	0.152	99.3	-1.15
Potassium	mg/l	2.5 \pm 0.0456	2.31 \pm 0.18	0.13	92.6	-0.51
Sodium	mg/l	23.3 \pm 0.188	23.4 \pm 1.03	0.791	101	0.07
Sulfate (as SO ₄)	mg/l	106 \pm 0.947	107 \pm 5.8	3.51	101	0.05
Total-P (as PO ₄)	mg/l	0.145 \pm 0.00263	- \pm -	0.0109	-	-
Total hardness	mmol/l	5.84 \pm 0.0648	5.94 \pm 0.59	0.175	102	0.09
Total nitrogen	mg/l	2.49 \pm 0.0962	- \pm -	0.207	-	-

Sample: N180ADOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.55 \pm 0.082	- \pm -	0.186	-	-

Sample: N180B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	3.5 \pm 0.0202	3.54 \pm 0.15	0.0699	101	0.15

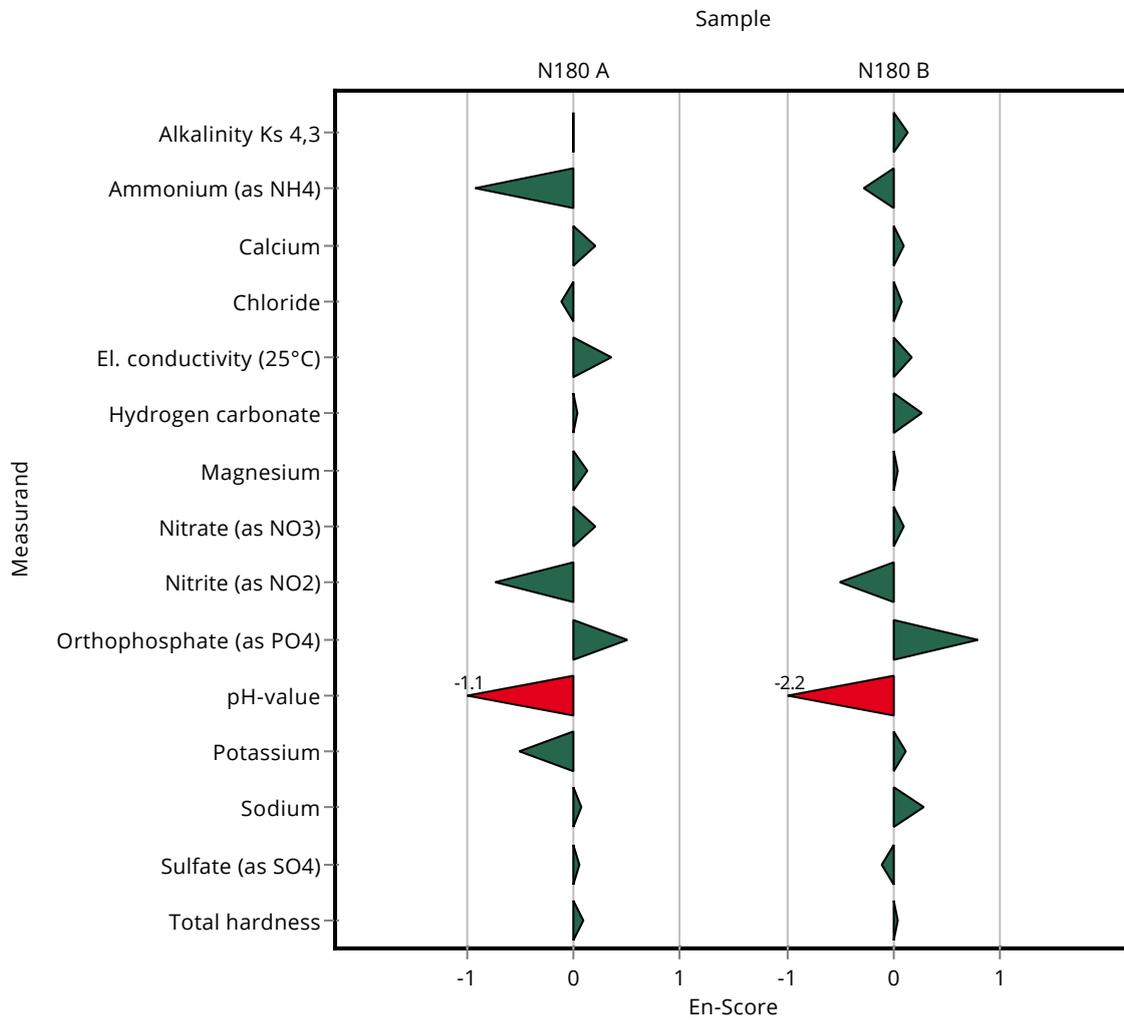
Summary of results Nutrients/Major Ions N180 - En-Score

Labcode: LC0033

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En- Score
Ammonium (as NH ₄)	mg/l	0.29 \pm 0.0086	0.273 \pm 0.03	0.0348	94.2	-0.28
Boron	mg/l	0.0162 \pm 0.000839	- \pm -	0.00179	-	-
Calcium	mg/l	65.6 \pm 0.729	66.3 \pm 3.05	2.03	101	0.11
Chloride	mg/l	41.2 \pm 0.375	41.5 \pm 2	1.65	101	0.08
El. conductivity (25°C)	μ S/cm	571 \pm 1.88	574 \pm 9.2	7.42	101	0.19
Hydrogen carbonate	mg/l	211 \pm 1.2	216 \pm 8.9	4.22	102	0.27
Magnesium	mg/l	15.8 \pm 0.174	15.9 \pm 0.95	0.632	101	0.05
Nitrate (as NO ₃)	mg/l	29.5 \pm 0.271	29.8 \pm 1.2	1.48	101	0.11
Nitrite (as NO ₂)	mg/l	0.385 \pm 0.00518	0.365 \pm 0.02	0.0204	94.7	-0.51
Orthophosphate (as PO ₄)	mg/l	0.411 \pm 0.051	0.486 \pm 0.04	0.123	118	0.79
pH-value	-	7.58 \pm 0.0328	7.48 \pm 0.015	0.152	98.7	-2.20
Potassium	mg/l	2.79 \pm 0.0421	2.85 \pm 0.22	0.145	102	0.13
Sodium	mg/l	24.8 \pm 0.253	25.5 \pm 1.12	0.844	103	0.30
Sulfate (as SO ₄)	mg/l	32 \pm 0.308	31.7 \pm 1.71	1.06	99	-0.10
Total-P (as PO ₄)	mg/l	2.01 \pm 0.0245	- \pm -	0.151	-	-
Total hardness	mmol/l	2.29 \pm 0.0232	2.31 \pm 0.23	0.0686	101	0.05
Total nitrogen	mg/l	7.29 \pm 0.23	- \pm -	0.605	-	-

Sample: N180BDOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En- Score
DOC (as C)	mg/l	2.87 \pm 0.0629	- \pm -	0.287	-	-



Sample: N180A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	7.31 \pm 0.0254	7.3 \pm 0.2	0.146	99.9	-0.07
Ammonium (as NH ₄)	mg/l	0.0867 \pm 0.00322	0.094 \pm 0.008	0.0104	108	0.70
Boron	mg/l	0.0592 \pm 0.00162	0.0556 \pm 0.0023	0.00652	93.9	-0.56
Calcium	mg/l	168 \pm 1.9	175 \pm 3.5	5.2	104	1.38
Chloride	mg/l	110 \pm 0.63	110 \pm 4.3	4.41	99.8	-0.04
El. conductivity (25°C)	μ S/cm	1170 \pm 4.33	1176 \pm 24	15.3	100	0.13
Hydrogen carbonate	mg/l	445 \pm 1.63	445.4 \pm 12.1	8.9	100	0.02
Magnesium	mg/l	39.8 \pm 0.541	38.5 \pm 1.1	1.59	96.8	-0.80
Nitrate (as NO ₃)	mg/l	10.1 \pm 0.0896	10.3 \pm 0.5	0.507	102	0.31
Nitrite (as NO ₂)	mg/l	0.0307 \pm 0.00108	0.0327 \pm 0.0021	0.00307	107	0.66
Orthophosphate (as PO ₄)	mg/l	0.051 \pm 0.00379	0.0577 \pm 0.0042	0.0102	113	0.65
pH-value	-	7.6 \pm 0.0251	7.62 \pm 0.1	0.152	100	0.10
Potassium	mg/l	2.5 \pm 0.0456	2.5 \pm 0.1	0.13	100	0.04
Sodium	mg/l	23.3 \pm 0.188	22.7 \pm 0.7	0.791	97.6	-0.71
Sulfate (as SO ₄)	mg/l	106 \pm 0.947	107 \pm 4.3	3.51	101	0.16
Total-P (as PO ₄)	mg/l	0.145 \pm 0.00263	0.148 \pm 0.008	0.0109	102	0.25
Total hardness	mmol/l	5.84 \pm 0.0648	5.96 \pm 0.132	0.175	102	0.69
Total nitrogen	mg/l	2.49 \pm 0.0962	2.54 \pm 0.17	0.207	102	0.22

Sample: N180ADOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.55 \pm 0.082	1.7 \pm 0.21	0.186	110	0.79

Sample: N180B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	3.5 \pm 0.0202	3.47 \pm 0.1	0.0699	99.3	-0.36

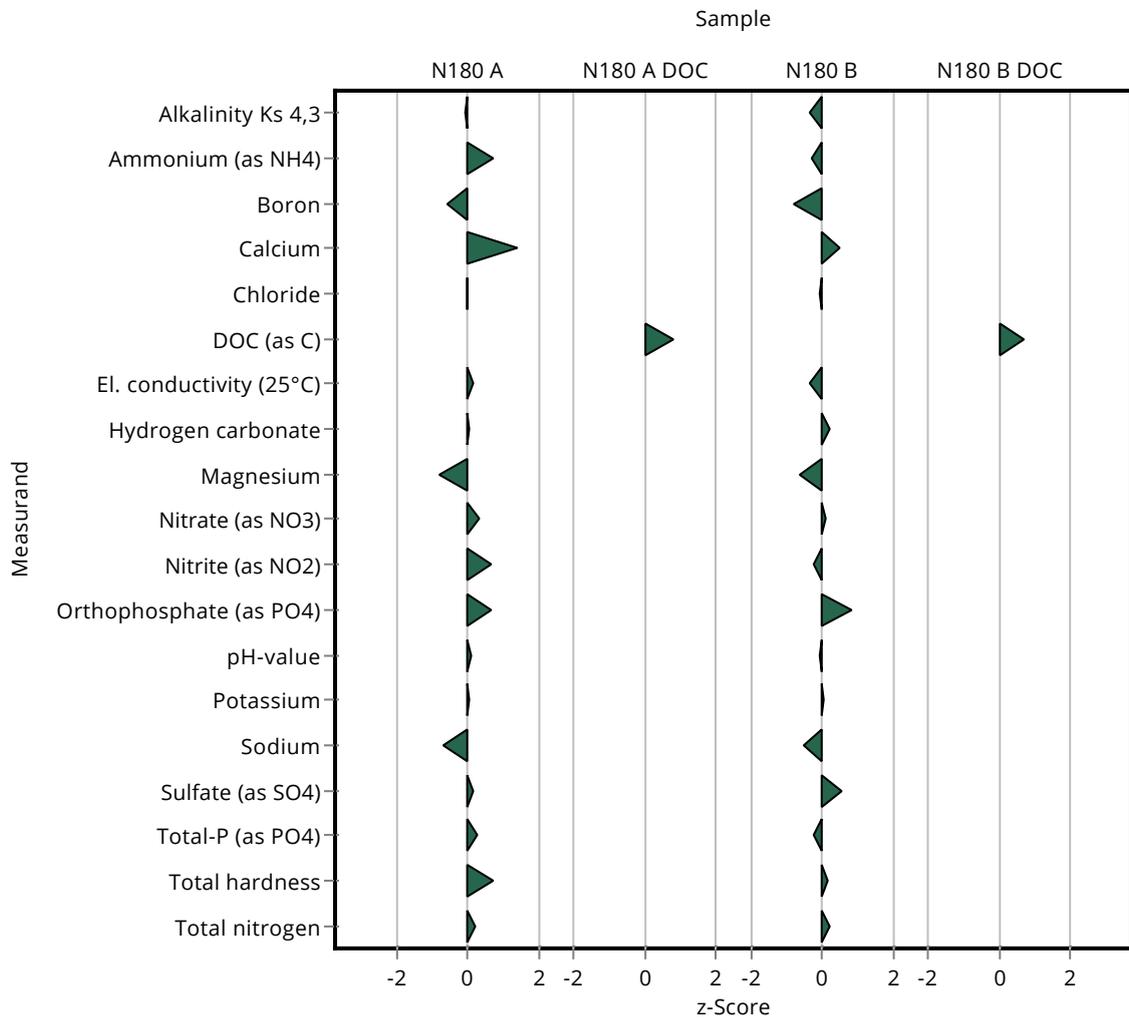
Summary of results Nutrients/Major Ions N180

Labcode: LC0034

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.29 \pm 0.0086	0.28 \pm 0.022	0.0348	96.6	-0.29
Boron	mg/l	0.0162 \pm 0.000839	0.0148 \pm 0.0019	0.00179	91.2	-0.80
Calcium	mg/l	65.6 \pm 0.729	66.6 \pm 1.3	2.03	101	0.47
Chloride	mg/l	41.2 \pm 0.375	41 \pm 1.6	1.65	99.6	-0.10
El. conductivity (25°C)	μ S/cm	571 \pm 1.88	568 \pm 12	7.42	99.5	-0.35
Hydrogen carbonate	mg/l	211 \pm 1.2	211.9 \pm 6.2	4.22	100	0.19
Magnesium	mg/l	15.8 \pm 0.174	15.4 \pm 0.5	0.632	97.5	-0.63
Nitrate (as NO ₃)	mg/l	29.5 \pm 0.271	29.7 \pm 1.5	1.48	101	0.10
Nitrite (as NO ₂)	mg/l	0.385 \pm 0.00518	0.381 \pm 0.016	0.0204	98.8	-0.22
Orthophosphate (as PO ₄)	mg/l	0.411 \pm 0.051	0.515 \pm 0.032	0.123	125	0.84
pH-value	-	7.58 \pm 0.0328	7.57 \pm 0.1	0.152	99.9	-0.05
Potassium	mg/l	2.79 \pm 0.0421	2.8 \pm 0.09	0.145	100	0.04
Sodium	mg/l	24.8 \pm 0.253	24.4 \pm 0.7	0.844	98.3	-0.51
Sulfate (as SO ₄)	mg/l	32 \pm 0.308	32.6 \pm 1.4	1.06	102	0.53
Total-P (as PO ₄)	mg/l	2.01 \pm 0.0245	1.97 \pm 0.09	0.151	98.1	-0.25
Total hardness	mmol/l	2.29 \pm 0.0232	2.3 \pm 0.05	0.0686	101	0.18
Total nitrogen	mg/l	7.29 \pm 0.23	7.43 \pm 0.41	0.605	102	0.23

Sample: N180BDOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.87 \pm 0.0629	3.07 \pm 0.32	0.287	107	0.69



Sample: N180A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	7.31 \pm 0.0254	7.3 \pm 0.2	0.146	99.9	-0.03
Ammonium (as NH ₄)	mg/l	0.0867 \pm 0.00322	0.094 \pm 0.008	0.0104	108	0.44
Boron	mg/l	0.0592 \pm 0.00162	0.0556 \pm 0.0023	0.00652	93.9	-0.74
Calcium	mg/l	168 \pm 1.9	175 \pm 3.5	5.2	104	0.99
Chloride	mg/l	110 \pm 0.63	110 \pm 4.3	4.41	99.8	-0.02
El. conductivity (25°C)	μ S/cm	1170 \pm 4.33	1176 \pm 24	15.3	100	0.04
Hydrogen carbonate	mg/l	445 \pm 1.63	445.4 \pm 12.1	8.9	100	0.01
Magnesium	mg/l	39.8 \pm 0.541	38.5 \pm 1.1	1.59	96.8	-0.56
Nitrate (as NO ₃)	mg/l	10.1 \pm 0.0896	10.3 \pm 0.5	0.507	102	0.15
Nitrite (as NO ₂)	mg/l	0.0307 \pm 0.00108	0.0327 \pm 0.0021	0.00307	107	0.47
Orthophosphate (as PO ₄)	mg/l	0.051 \pm 0.00379	0.0577 \pm 0.0042	0.0102	113	0.72
pH-value	-	7.6 \pm 0.0251	7.62 \pm 0.1	0.152	100	0.08
Potassium	mg/l	2.5 \pm 0.0456	2.5 \pm 0.1	0.13	100	0.02
Sodium	mg/l	23.3 \pm 0.188	22.7 \pm 0.7	0.791	97.6	-0.39
Sulfate (as SO ₄)	mg/l	106 \pm 0.947	107 \pm 4.3	3.51	101	0.07
Total-P (as PO ₄)	mg/l	0.145 \pm 0.00263	0.148 \pm 0.008	0.0109	102	0.17
Total hardness	mmol/l	5.84 \pm 0.0648	5.96 \pm 0.132	0.175	102	0.44
Total nitrogen	mg/l	2.49 \pm 0.0962	2.54 \pm 0.17	0.207	102	0.13

Sample: N180ADOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.55 \pm 0.082	1.7 \pm 0.21	0.186	110	0.35

Sample: N180B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	3.5 \pm 0.0202	3.47 \pm 0.1	0.0699	99.3	-0.13

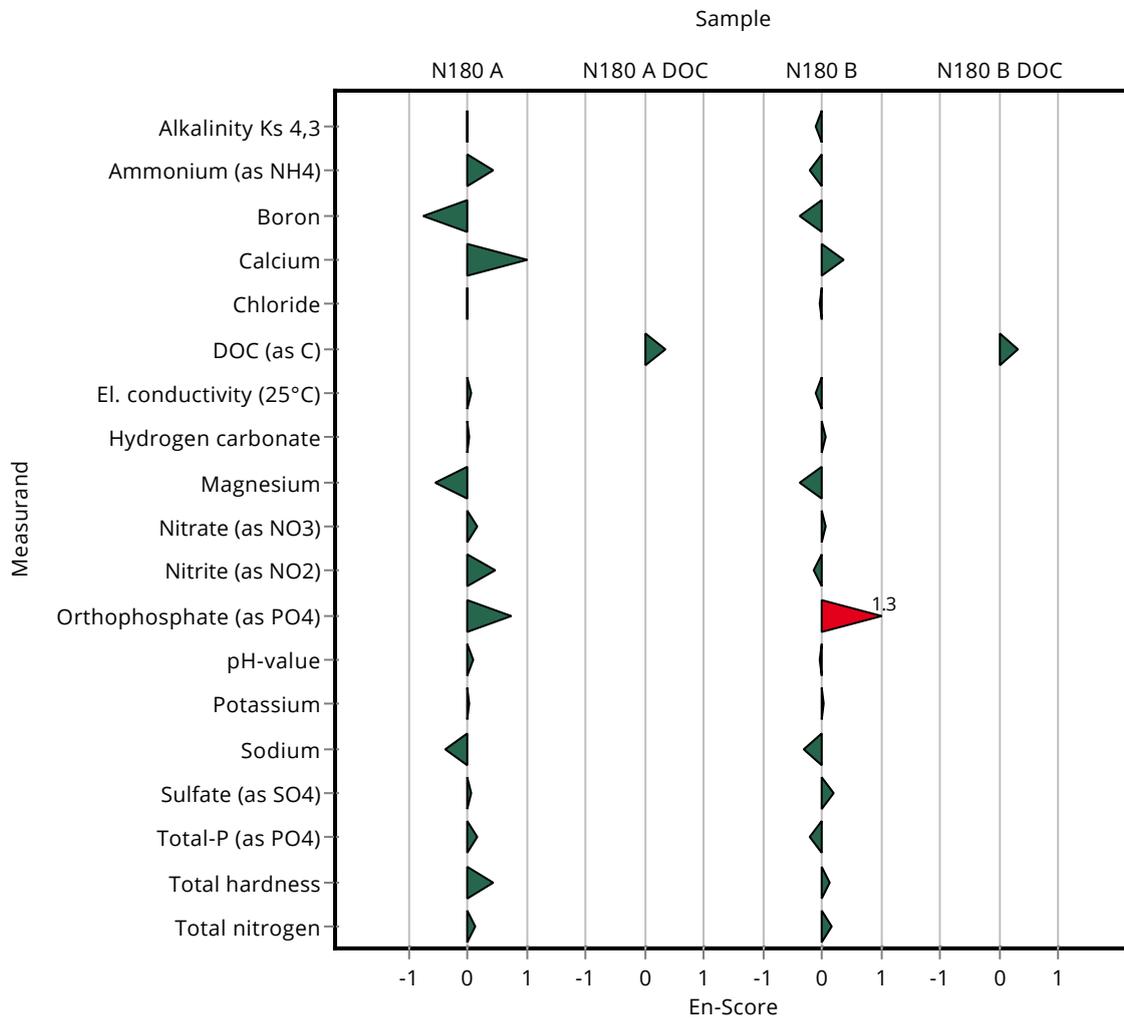
Summary of results Nutrients/Major Ions N180 - En-Score

Labcode: LC0034

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En- Score
Ammonium (as NH ₄)	mg/l	0.29 \pm 0.0086	0.28 \pm 0.022	0.0348	96.6	-0.22
Boron	mg/l	0.0162 \pm 0.000839	0.0148 \pm 0.0019	0.00179	91.2	-0.37
Calcium	mg/l	65.6 \pm 0.729	66.6 \pm 1.3	2.03	101	0.36
Chloride	mg/l	41.2 \pm 0.375	41 \pm 1.6	1.65	99.6	-0.05
El. conductivity (25°C)	μ S/cm	571 \pm 1.88	568 \pm 12	7.42	99.5	-0.11
Hydrogen carbonate	mg/l	211 \pm 1.2	211.9 \pm 6.2	4.22	100	0.06
Magnesium	mg/l	15.8 \pm 0.174	15.4 \pm 0.5	0.632	97.5	-0.39
Nitrate (as NO ₃)	mg/l	29.5 \pm 0.271	29.7 \pm 1.5	1.48	101	0.05
Nitrite (as NO ₂)	mg/l	0.385 \pm 0.00518	0.381 \pm 0.016	0.0204	98.8	-0.14
Orthophosphate (as PO ₄)	mg/l	0.411 \pm 0.051	0.515 \pm 0.032	0.123	125	1.27
pH-value	-	7.58 \pm 0.0328	7.57 \pm 0.1	0.152	99.9	-0.04
Potassium	mg/l	2.79 \pm 0.0421	2.8 \pm 0.09	0.145	100	0.03
Sodium	mg/l	24.8 \pm 0.253	24.4 \pm 0.7	0.844	98.3	-0.30
Sulfate (as SO ₄)	mg/l	32 \pm 0.308	32.6 \pm 1.4	1.06	102	0.20
Total-P (as PO ₄)	mg/l	2.01 \pm 0.0245	1.97 \pm 0.09	0.151	98.1	-0.21
Total hardness	mmol/l	2.29 \pm 0.0232	2.3 \pm 0.05	0.0686	101	0.12
Total nitrogen	mg/l	7.29 \pm 0.23	7.43 \pm 0.41	0.605	102	0.17

Sample: N180BDOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En- Score
DOC (as C)	mg/l	2.87 \pm 0.0629	3.07 \pm 0.32	0.287	107	0.31



Sample: N180A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	7.31 \pm 0.0254	- \pm -	0.146	-	-
Ammonium (as NH ₄)	mg/l	0.0867 \pm 0.00322	0.296 \pm 0.0045	0.0104	341	20.10
Boron	mg/l	0.0592 \pm 0.00162	0.042 \pm 0.0101	0.00652	70.9	-2.64
Calcium	mg/l	168 \pm 1.9	157.85 \pm 0.735	5.2	94.1	-1.91
Chloride	mg/l	110 \pm 0.63	107.95 \pm 0.439	4.41	98	-0.51
El. conductivity (25°C)	μ S/cm	1170 \pm 4.33	1151 \pm 0.202	15.3	98	-1.50
Hydrogen carbonate	mg/l	445 \pm 1.63	421.04 \pm 1.526	8.9	94.6	-2.71
Magnesium	mg/l	39.8 \pm 0.541	36.57 \pm 0.813	1.59	92	-2.01
Nitrate (as NO ₃)	mg/l	10.1 \pm 0.0896	9.88 \pm 0.055	0.507	97.4	-0.52
Nitrite (as NO ₂)	mg/l	0.0307 \pm 0.00108	0.031 \pm 0.0016	0.00307	101	0.11
Orthophosphate (as PO ₄)	mg/l	0.051 \pm 0.00379	0.026 \pm 0.0014	0.0102	50.9	-2.45
pH-value	-	7.6 \pm 0.0251	7.72 \pm 0.0057	0.152	102	0.76
Potassium	mg/l	2.5 \pm 0.0456	2.52 \pm 0.0054	0.13	101	0.19
Sodium	mg/l	23.3 \pm 0.188	26.82 \pm 0.235	0.791	115	4.50
Sulfate (as SO ₄)	mg/l	106 \pm 0.947	110.6 \pm 0.249	3.51	104	1.19
Total-P (as PO ₄)	mg/l	0.145 \pm 0.00263	0.203 \pm 0.006	0.0109	140	5.30
Total hardness	mmol/l	5.84 \pm 0.0648	5.47 \pm 0.078	0.175	93.7	-2.11
Total nitrogen	mg/l	2.49 \pm 0.0962	- \pm -	0.207	-	-

Sample: N180ADOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.55 \pm 0.082	- \pm -	0.186	-	-

Sample: N180B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	3.5 \pm 0.0202	- \pm -	0.0699	-	-

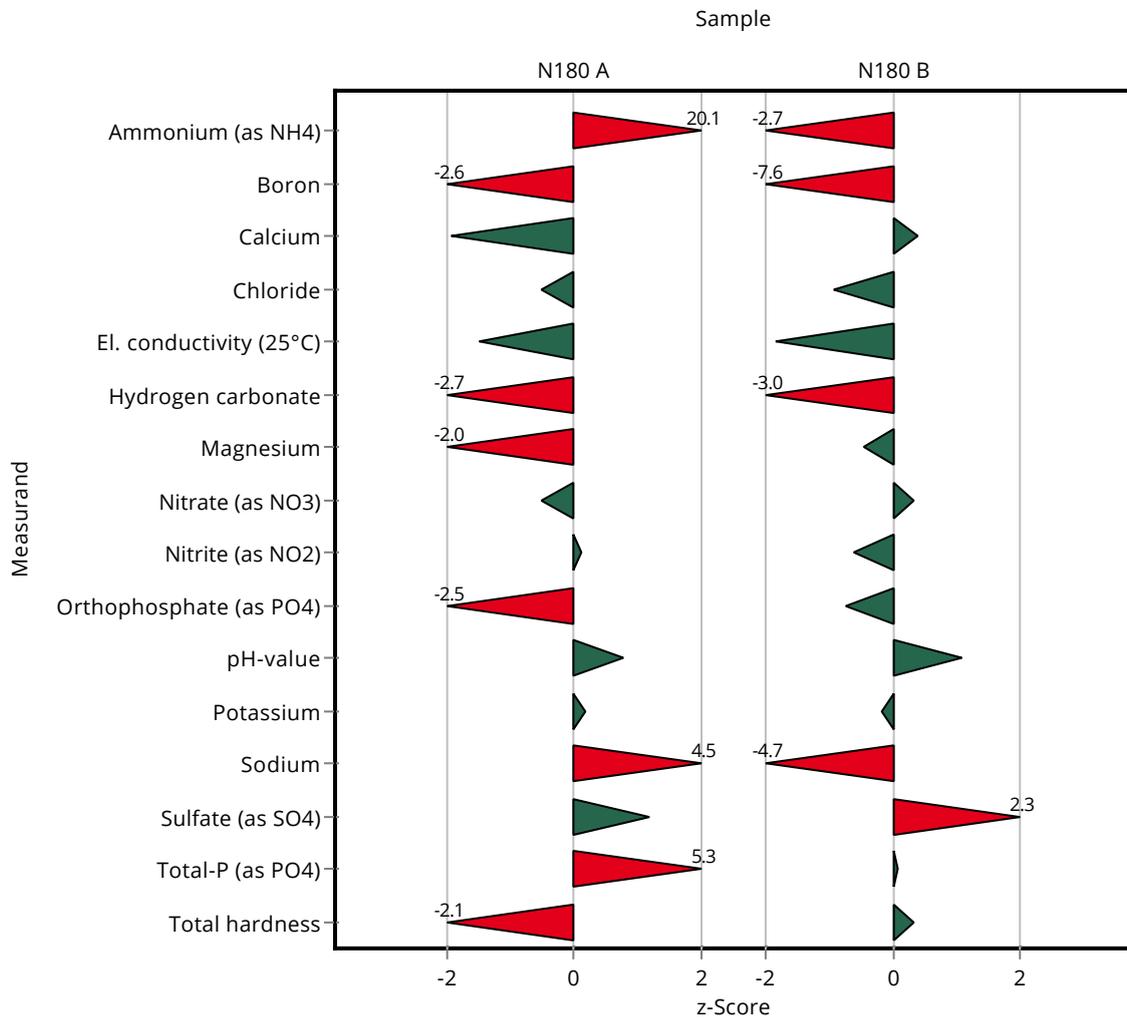
Summary of results Nutrients/Major Ions N180

Labcode: LC0035

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.29 \pm 0.0086	0.196 \pm 0.013	0.0348	67.6	-2.70
Boron	mg/l	0.0162 \pm 0.000839	0.00261 \pm 0.0002	0.00179	16.1	-7.63
Calcium	mg/l	65.6 \pm 0.729	66.45 \pm 0.291	2.03	101	0.40
Chloride	mg/l	41.2 \pm 0.375	39.65 \pm 0.259	1.65	96.3	-0.92
El. conductivity (25°C)	μ S/cm	571 \pm 1.88	557 \pm 0.481	7.42	97.6	-1.83
Hydrogen carbonate	mg/l	211 \pm 1.2	198.32 \pm 0.0005	4.22	93.9	-3.03
Magnesium	mg/l	15.8 \pm 0.174	15.5 \pm 0.094	0.632	98.1	-0.47
Nitrate (as NO ₃)	mg/l	29.5 \pm 0.271	30.04 \pm 0.124	1.48	102	0.33
Nitrite (as NO ₂)	mg/l	0.385 \pm 0.00518	0.373 \pm 0.0045	0.0204	96.8	-0.61
Orthophosphate (as PO ₄)	mg/l	0.411 \pm 0.051	0.318 \pm 0.028	0.123	77.4	-0.75
pH-value	-	7.58 \pm 0.0328	7.74 \pm 0.0032	0.152	102	1.07
Potassium	mg/l	2.79 \pm 0.0421	2.77 \pm 0.015	0.145	99.1	-0.17
Sodium	mg/l	24.8 \pm 0.253	20.87 \pm 0.133	0.844	84.1	-4.69
Sulfate (as SO ₄)	mg/l	32 \pm 0.308	34.44 \pm 0.104	1.06	108	2.28
Total-P (as PO ₄)	mg/l	2.01 \pm 0.0245	2.02 \pm 0.724	0.151	101	0.08
Total hardness	mmol/l	2.29 \pm 0.0232	2.31 \pm 0.014	0.0686	101	0.32
Total nitrogen	mg/l	7.29 \pm 0.23	- \pm -	0.605	-	-

Sample: N180BDOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.87 \pm 0.0629	- \pm -	0.287	-	-



Sample: N180A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	7.31 \pm 0.0254	- \pm -	0.146	-	-
Ammonium (as NH ₄)	mg/l	0.0867 \pm 0.00322	0.296 \pm 0.0045	0.0104	341	21.89
Boron	mg/l	0.0592 \pm 0.00162	0.042 \pm 0.0101	0.00652	70.9	-0.85
Calcium	mg/l	168 \pm 1.9	157.85 \pm 0.735	5.2	94.1	-4.15
Chloride	mg/l	110 \pm 0.63	107.95 \pm 0.439	4.41	98	-2.07
El. conductivity (25°C)	μ S/cm	1170 \pm 4.33	1151 \pm 0.202	15.3	98	-5.28
Hydrogen carbonate	mg/l	445 \pm 1.63	421.04 \pm 1.526	8.9	94.6	-6.98
Magnesium	mg/l	39.8 \pm 0.541	36.57 \pm 0.813	1.59	92	-1.87
Nitrate (as NO ₃)	mg/l	10.1 \pm 0.0896	9.88 \pm 0.055	0.507	97.4	-1.87
Nitrite (as NO ₂)	mg/l	0.0307 \pm 0.00108	0.031 \pm 0.0016	0.00307	101	0.10
Orthophosphate (as PO ₄)	mg/l	0.051 \pm 0.00379	0.026 \pm 0.0014	0.0102	50.9	-5.31
pH-value	-	7.6 \pm 0.0251	7.72 \pm 0.0057	0.152	102	4.20
Potassium	mg/l	2.5 \pm 0.0456	2.52 \pm 0.0054	0.13	101	0.53
Sodium	mg/l	23.3 \pm 0.188	26.82 \pm 0.235	0.791	115	7.03
Sulfate (as SO ₄)	mg/l	106 \pm 0.947	110.6 \pm 0.249	3.51	104	3.89
Total-P (as PO ₄)	mg/l	0.145 \pm 0.00263	0.203 \pm 0.006	0.0109	140	4.70
Total hardness	mmol/l	5.84 \pm 0.0648	5.47 \pm 0.078	0.175	93.7	-2.19
Total nitrogen	mg/l	2.49 \pm 0.0962	- \pm -	0.207	-	-

Sample: N180ADOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.55 \pm 0.082	- \pm -	0.186	-	-

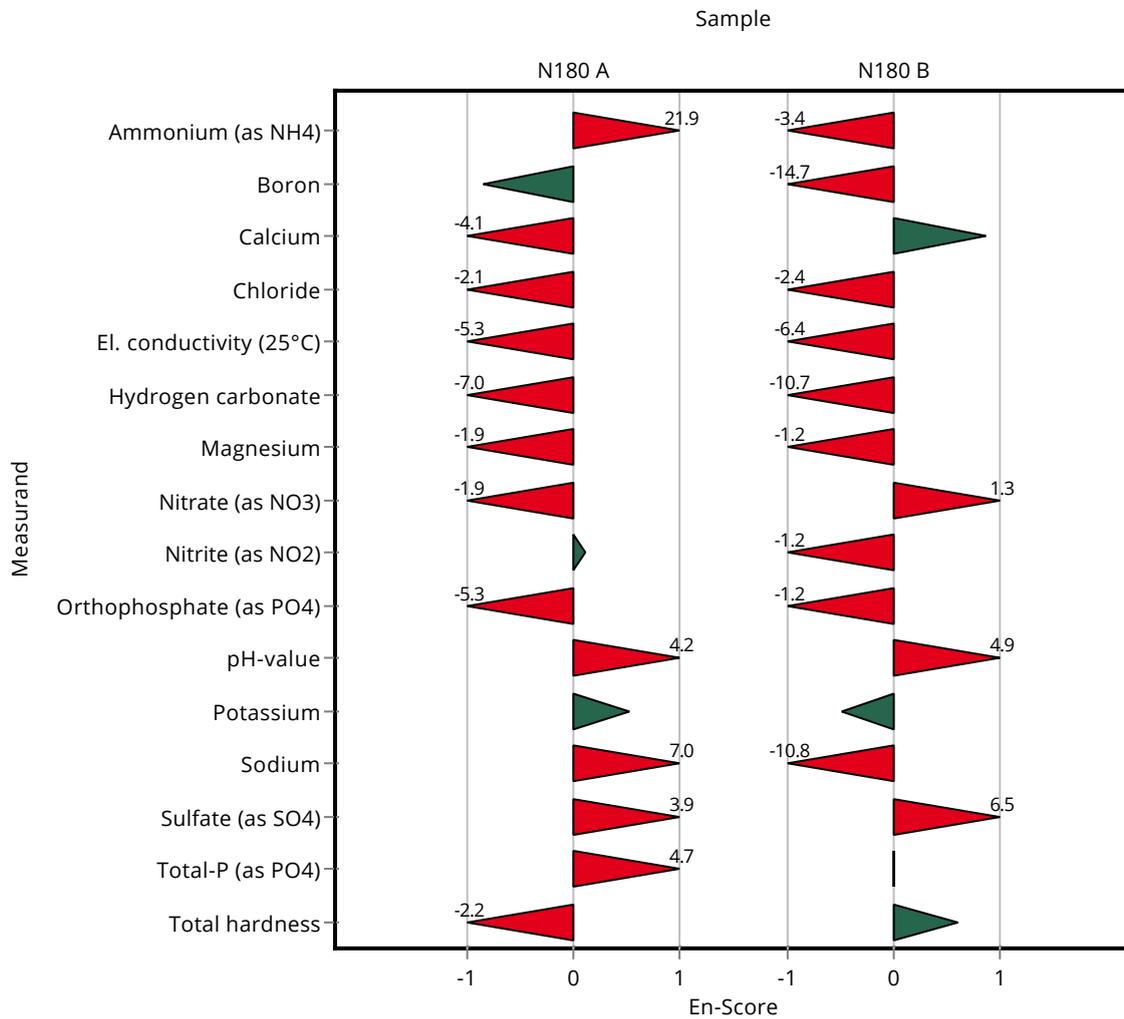
Sample: N180B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	3.5 \pm 0.0202	- \pm -	0.0699	-	-

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.29 \pm 0.0086	0.196 \pm 0.013	0.0348	67.6	-3.43
Boron	mg/l	0.0162 \pm 0.000839	0.00261 \pm 0.0002	0.00179	16.1	-14.66
Calcium	mg/l	65.6 \pm 0.729	66.45 \pm 0.291	2.03	101	0.87
Chloride	mg/l	41.2 \pm 0.375	39.65 \pm 0.259	1.65	96.3	-2.36
El. conductivity (25°C)	μ S/cm	571 \pm 1.88	557 \pm 0.481	7.42	97.6	-6.42
Hydrogen carbonate	mg/l	211 \pm 1.2	198.32 \pm 0.0005	4.22	93.9	-10.68
Magnesium	mg/l	15.8 \pm 0.174	15.5 \pm 0.094	0.632	98.1	-1.16
Nitrate (as NO ₃)	mg/l	29.5 \pm 0.271	30.04 \pm 0.124	1.48	102	1.34
Nitrite (as NO ₂)	mg/l	0.385 \pm 0.00518	0.373 \pm 0.0045	0.0204	96.8	-1.20
Orthophosphate (as PO ₄)	mg/l	0.411 \pm 0.051	0.318 \pm 0.028	0.123	77.4	-1.23
pH-value	-	7.58 \pm 0.0328	7.74 \pm 0.0032	0.152	102	4.85
Potassium	mg/l	2.79 \pm 0.0421	2.77 \pm 0.015	0.145	99.1	-0.48
Sodium	mg/l	24.8 \pm 0.253	20.87 \pm 0.133	0.844	84.1	-10.79
Sulfate (as SO ₄)	mg/l	32 \pm 0.308	34.44 \pm 0.104	1.06	108	6.47
Total-P (as PO ₄)	mg/l	2.01 \pm 0.0245	2.02 \pm 0.724	0.151	101	0.01
Total hardness	mmol/l	2.29 \pm 0.0232	2.31 \pm 0.014	0.0686	101	0.61
Total nitrogen	mg/l	7.29 \pm 0.23	- \pm -	0.605	-	-

Sample: N180BDOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	2.87 \pm 0.0629	- \pm -	0.287	-	-



Sample: N180A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	7.31 \pm 0.0254	7.18 \pm 0.57	0.146	98.2	-0.89
Ammonium (as NH ₄)	mg/l	0.0867 \pm 0.00322	0.0405 \pm 0.0032	0.0104	46.7	-4.44
Boron	mg/l	0.0592 \pm 0.00162	0.0576 \pm 0.0086	0.00652	97.2	-0.25
Calcium	mg/l	168 \pm 1.9	158 \pm 24	5.2	94.2	-1.89
Chloride	mg/l	110 \pm 0.63	109 \pm 11	4.41	98.9	-0.27
El. conductivity (25°C)	μ S/cm	1170 \pm 4.33	1170 \pm 35	15.3	99.7	-0.26
Hydrogen carbonate	mg/l	445 \pm 1.63	438 \pm 35	8.9	98.4	-0.81
Magnesium	mg/l	39.8 \pm 0.541	38 \pm 4.6	1.59	95.6	-1.11
Nitrate (as NO ₃)	mg/l	10.1 \pm 0.0896	9.9 \pm 1	0.507	97.6	-0.48
Nitrite (as NO ₂)	mg/l	0.0307 \pm 0.00108	0.025 \pm 0.0028	0.00307	81.5	-1.85
Orthophosphate (as PO ₄)	mg/l	0.051 \pm 0.00379	0.029 \pm 0.0023	0.0102	56.8	-2.16
pH-value	-	7.6 \pm 0.0251	7.63 \pm 0.23	0.152	100	0.17
Potassium	mg/l	2.5 \pm 0.0456	2.82 \pm 0.42	0.13	113	2.50
Sodium	mg/l	23.3 \pm 0.188	23.2 \pm 3	0.791	99.8	-0.07
Sulfate (as SO ₄)	mg/l	106 \pm 0.947	110 \pm 18	3.51	103	1.02
Total-P (as PO ₄)	mg/l	0.145 \pm 0.00263	0.15 \pm 0.012	0.0109	103	0.43
Total hardness	mmol/l	5.84 \pm 0.0648	5.51 \pm 0.83	0.175	94.4	-1.88
Total nitrogen	mg/l	2.49 \pm 0.0962	2.8 \pm 0.42	0.207	112	1.48

Sample: N180ADOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.55 \pm 0.082	1.73 \pm 0.35	0.186	111	0.96

Sample: N180B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	3.5 \pm 0.0202	3.44 \pm 0.28	0.0699	98.4	-0.79

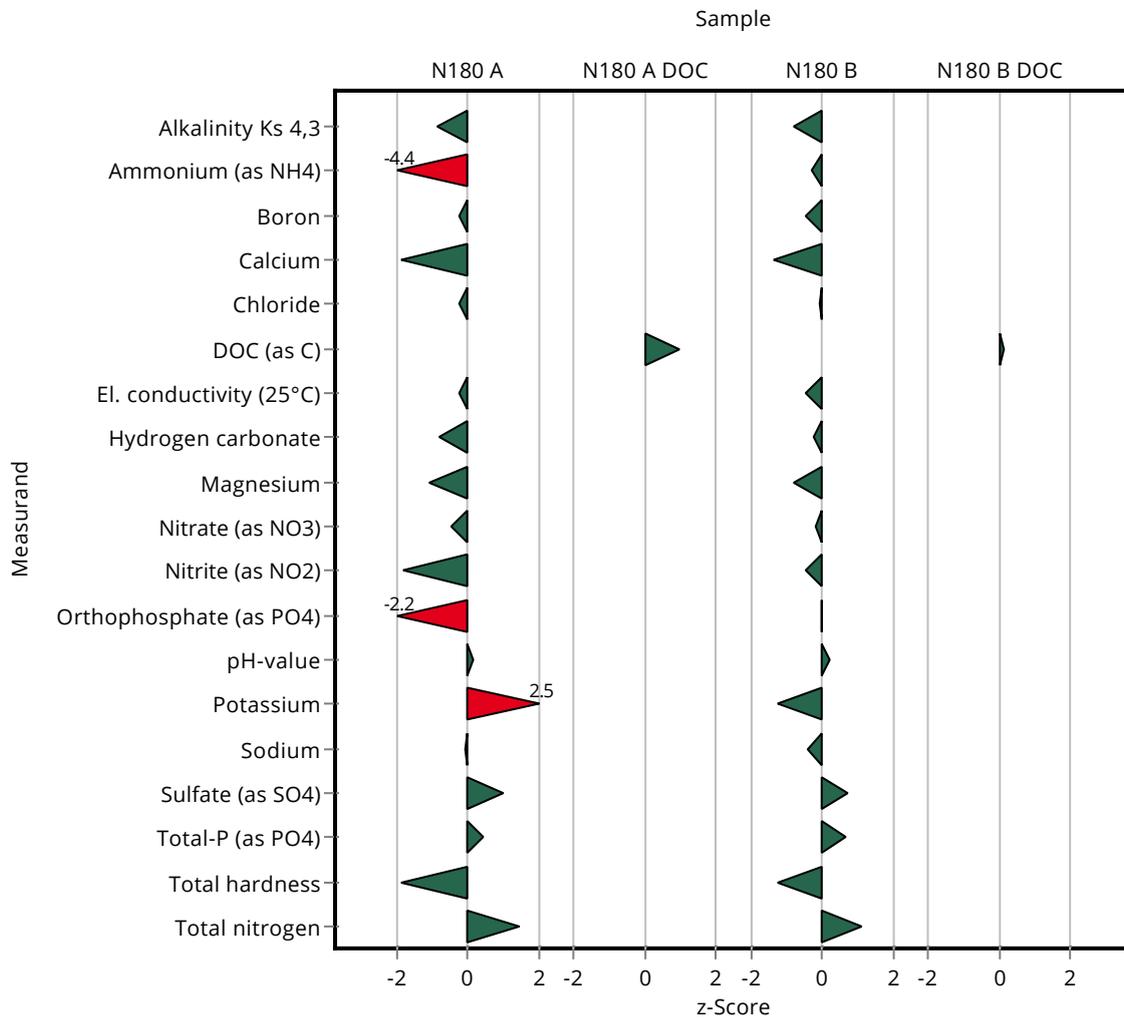
Summary of results Nutrients/Major Ions N180

Labcode: LC0036

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.29 \pm 0.0086	0.28 \pm 0.022	0.0348	96.6	-0.29
Boron	mg/l	0.0162 \pm 0.000839	0.0154 \pm 0.0023	0.00179	94.9	-0.47
Calcium	mg/l	65.6 \pm 0.729	62.9 \pm 9.4	2.03	95.8	-1.35
Chloride	mg/l	41.2 \pm 0.375	41 \pm 4.1	1.65	99.6	-0.10
El. conductivity (25°C)	μ S/cm	571 \pm 1.88	567 \pm 17	7.42	99.4	-0.48
Hydrogen carbonate	mg/l	211 \pm 1.2	210 \pm 17	4.22	99.5	-0.26
Magnesium	mg/l	15.8 \pm 0.174	15.3 \pm 1.8	0.632	96.9	-0.79
Nitrate (as NO ₃)	mg/l	29.5 \pm 0.271	29.3 \pm 2.9	1.48	99.2	-0.17
Nitrite (as NO ₂)	mg/l	0.385 \pm 0.00518	0.376 \pm 0.041	0.0204	97.5	-0.46
Orthophosphate (as PO ₄)	mg/l	0.411 \pm 0.051	0.407 \pm 0.033	0.123	99	-0.03
pH-value	-	7.58 \pm 0.0328	7.61 \pm 0.23	0.152	100	0.21
Potassium	mg/l	2.79 \pm 0.0421	2.61 \pm 0.39	0.145	93.4	-1.27
Sodium	mg/l	24.8 \pm 0.253	24.5 \pm 3.2	0.844	98.7	-0.39
Sulfate (as SO ₄)	mg/l	32 \pm 0.308	32.8 \pm 5.2	1.06	102	0.72
Total-P (as PO ₄)	mg/l	2.01 \pm 0.0245	2.11 \pm 0.17	0.151	105	0.68
Total hardness	mmol/l	2.29 \pm 0.0232	2.2 \pm 0.33	0.0686	96.2	-1.28
Total nitrogen	mg/l	7.29 \pm 0.23	7.98 \pm 1.2	0.605	109	1.14

Sample: N180BDOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.87 \pm 0.0629	2.91 \pm 0.58	0.287	101	0.14



Sample: N180A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	7.31 \pm 0.0254	7.18 \pm 0.57	0.146	98.2	-0.11
Ammonium (as NH ₄)	mg/l	0.0867 \pm 0.00322	0.0405 \pm 0.0032	0.0104	46.7	-6.45
Boron	mg/l	0.0592 \pm 0.00162	0.0576 \pm 0.0086	0.00652	97.2	-0.09
Calcium	mg/l	168 \pm 1.9	158 \pm 24	5.2	94.2	-0.20
Chloride	mg/l	110 \pm 0.63	109 \pm 11	4.41	98.9	-0.05
El. conductivity (25°C)	μ S/cm	1170 \pm 4.33	1170 \pm 35	15.3	99.7	-0.06
Hydrogen carbonate	mg/l	445 \pm 1.63	438 \pm 35	8.9	98.4	-0.10
Magnesium	mg/l	39.8 \pm 0.541	38 \pm 4.6	1.59	95.6	-0.19
Nitrate (as NO ₃)	mg/l	10.1 \pm 0.0896	9.9 \pm 1	0.507	97.6	-0.12
Nitrite (as NO ₂)	mg/l	0.0307 \pm 0.00108	0.025 \pm 0.0028	0.00307	81.5	-0.99
Orthophosphate (as PO ₄)	mg/l	0.051 \pm 0.00379	0.029 \pm 0.0023	0.0102	56.8	-3.70
pH-value	-	7.6 \pm 0.0251	7.63 \pm 0.23	0.152	100	0.06
Potassium	mg/l	2.5 \pm 0.0456	2.82 \pm 0.42	0.13	113	0.39
Sodium	mg/l	23.3 \pm 0.188	23.2 \pm 3	0.791	99.8	-0.01
Sulfate (as SO ₄)	mg/l	106 \pm 0.947	110 \pm 18	3.51	103	0.10
Total-P (as PO ₄)	mg/l	0.145 \pm 0.00263	0.15 \pm 0.012	0.0109	103	0.20
Total hardness	mmol/l	5.84 \pm 0.0648	5.51 \pm 0.83	0.175	94.4	-0.20
Total nitrogen	mg/l	2.49 \pm 0.0962	2.8 \pm 0.42	0.207	112	0.36

Sample: N180ADOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.55 \pm 0.082	1.73 \pm 0.35	0.186	111	0.25

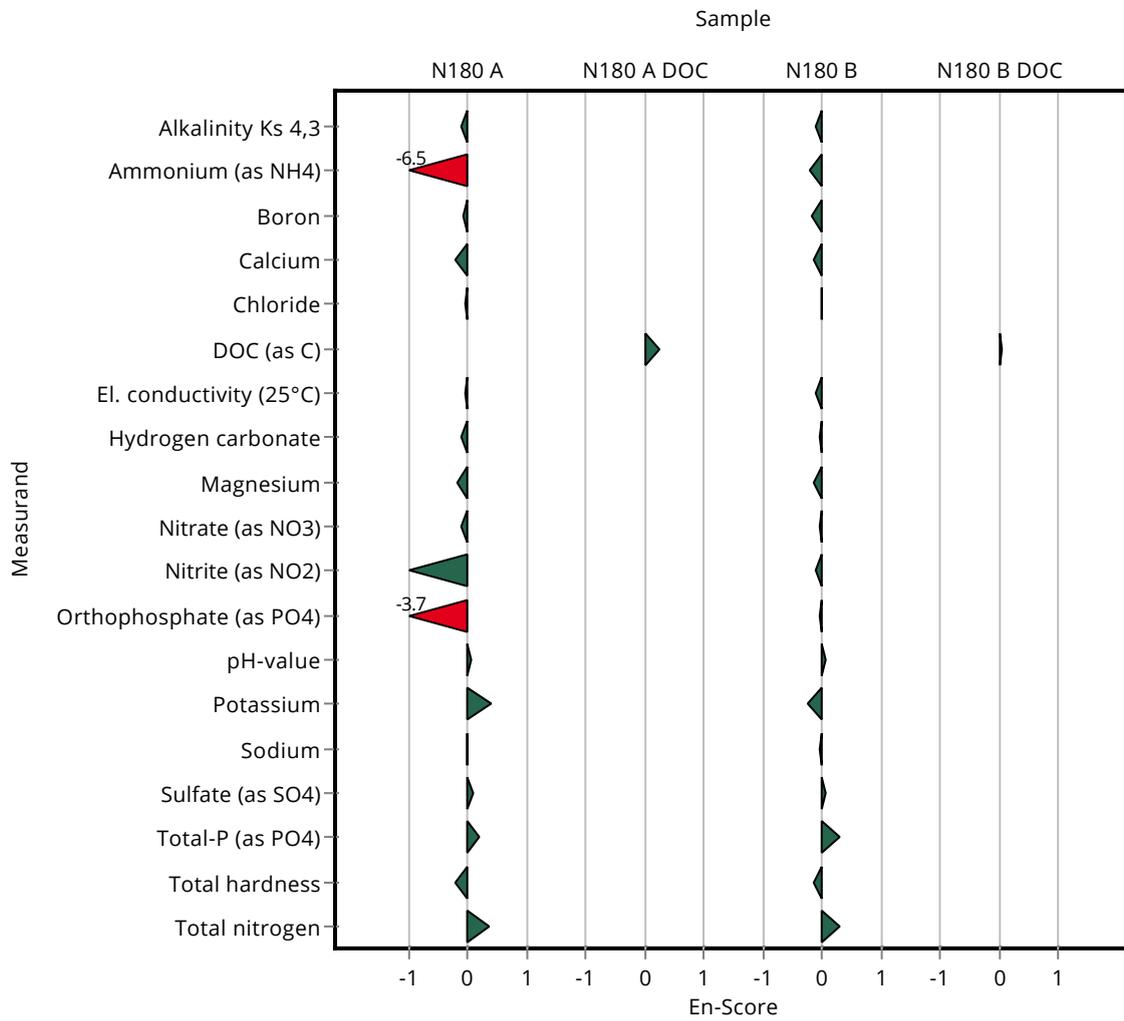
Sample: N180B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	3.5 \pm 0.0202	3.44 \pm 0.28	0.0699	98.4	-0.10

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.29 \pm 0.0086	0.28 \pm 0.022	0.0348	96.6	-0.22
Boron	mg/l	0.0162 \pm 0.000839	0.0154 \pm 0.0023	0.00179	94.9	-0.18
Calcium	mg/l	65.6 \pm 0.729	62.9 \pm 9.4	2.03	95.8	-0.15
Chloride	mg/l	41.2 \pm 0.375	41 \pm 4.1	1.65	99.6	-0.02
El. conductivity (25°C)	μ S/cm	571 \pm 1.88	567 \pm 17	7.42	99.4	-0.11
Hydrogen carbonate	mg/l	211 \pm 1.2	210 \pm 17	4.22	99.5	-0.03
Magnesium	mg/l	15.8 \pm 0.174	15.3 \pm 1.8	0.632	96.9	-0.14
Nitrate (as NO ₃)	mg/l	29.5 \pm 0.271	29.3 \pm 2.9	1.48	99.2	-0.04
Nitrite (as NO ₂)	mg/l	0.385 \pm 0.00518	0.376 \pm 0.041	0.0204	97.5	-0.12
Orthophosphate (as PO ₄)	mg/l	0.411 \pm 0.051	0.407 \pm 0.033	0.123	99	-0.05
pH-value	-	7.58 \pm 0.0328	7.61 \pm 0.23	0.152	100	0.07
Potassium	mg/l	2.79 \pm 0.0421	2.61 \pm 0.39	0.145	93.4	-0.24
Sodium	mg/l	24.8 \pm 0.253	24.5 \pm 3.2	0.844	98.7	-0.05
Sulfate (as SO ₄)	mg/l	32 \pm 0.308	32.8 \pm 5.2	1.06	102	0.07
Total-P (as PO ₄)	mg/l	2.01 \pm 0.0245	2.11 \pm 0.17	0.151	105	0.30
Total hardness	mmol/l	2.29 \pm 0.0232	2.2 \pm 0.33	0.0686	96.2	-0.13
Total nitrogen	mg/l	7.29 \pm 0.23	7.98 \pm 1.2	0.605	109	0.29

Sample: N180BDOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	2.87 \pm 0.0629	2.91 \pm 0.58	0.287	101	0.03



Sample: N180A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	7.31 \pm 0.0254	7.355 \pm 0.199	0.146	101	0.31
Ammonium (as NH ₄)	mg/l	0.0867 \pm 0.00322	0.089 \pm 0.00568	0.0104	103	0.22
Boron	mg/l	0.0592 \pm 0.00162	- \pm -	0.00652	-	-
Calcium	mg/l	168 \pm 1.9	174.7 \pm 13.4	5.2	104	1.32
Chloride	mg/l	110 \pm 0.63	107.2 \pm 11.7	4.41	97.3	-0.68
El. conductivity (25°C)	μ S/cm	1170 \pm 4.33	1176 \pm 14.6	15.3	100	0.13
Hydrogen carbonate	mg/l	445 \pm 1.63	445.7 \pm 4.46	8.9	100	0.06
Magnesium	mg/l	39.8 \pm 0.541	41.87 \pm 1.97	1.59	105	1.32
Nitrate (as NO ₃)	mg/l	10.1 \pm 0.0896	10.18 \pm 0.475	0.507	100	0.07
Nitrite (as NO ₂)	mg/l	0.0307 \pm 0.00108	0.0295 \pm 0.000587	0.00307	96.2	-0.38
Orthophosphate (as PO ₄)	mg/l	0.051 \pm 0.00379	0.0485 \pm 0.00333	0.0102	95	-0.25
pH-value	-	7.6 \pm 0.0251	7.59 \pm 0.0759	0.152	99.8	-0.09
Potassium	mg/l	2.5 \pm 0.0456	2.435 \pm 0.134	0.13	97.6	-0.46
Sodium	mg/l	23.3 \pm 0.188	23.56 \pm 2.68	0.791	101	0.38
Sulfate (as SO ₄)	mg/l	106 \pm 0.947	105.6 \pm 4.13	3.51	99.2	-0.24
Total-P (as PO ₄)	mg/l	0.145 \pm 0.00263	0.1813 \pm 0.0218	0.0109	125	3.31
Total hardness	mmol/l	5.84 \pm 0.0648	6.107 \pm 0.469	0.175	105	1.53
Total nitrogen	mg/l	2.49 \pm 0.0962	- \pm -	0.207	-	-

Sample: N180ADOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.55 \pm 0.082	- \pm -	0.186	-	-

Sample: N180B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	3.5 \pm 0.0202	3.51 \pm 0.0946	0.0699	100	0.21

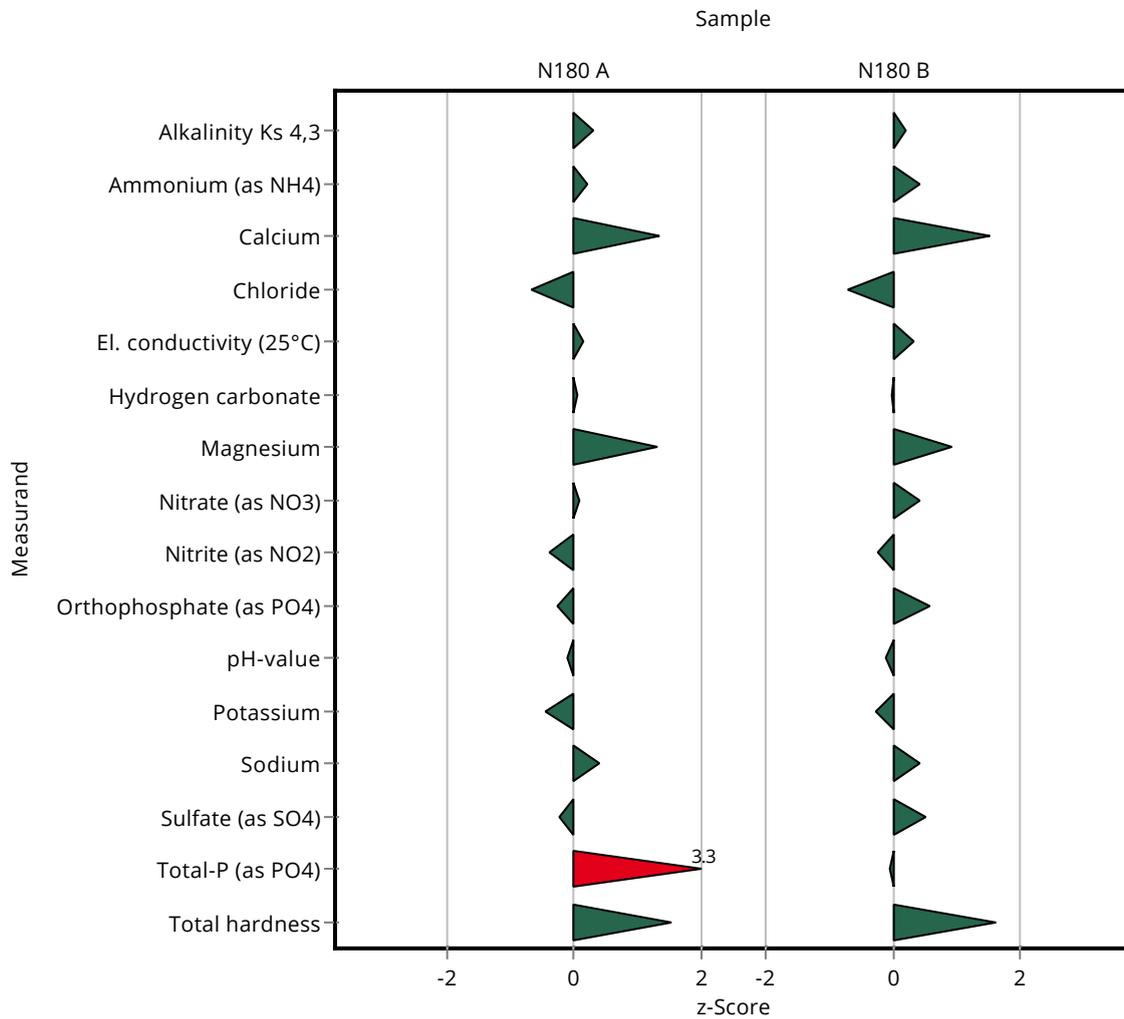
Summary of results Nutrients/Major Ions N180

Labcode: LC0037

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.29 \pm 0.0086	0.305 \pm 0.0195	0.0348	105	0.43
Boron	mg/l	0.0162 \pm 0.000839	- \pm -	0.00179	-	-
Calcium	mg/l	65.6 \pm 0.729	68.73 \pm 5.28	2.03	105	1.52
Chloride	mg/l	41.2 \pm 0.375	40 \pm 4.37	1.65	97.2	-0.70
El. conductivity (25°C)	μ S/cm	571 \pm 1.88	573 \pm 7.1	7.42	100	0.33
Hydrogen carbonate	mg/l	211 \pm 1.2	211 \pm 2.11	4.22	100	-0.02
Magnesium	mg/l	15.8 \pm 0.174	16.39 \pm 0.77	0.632	104	0.94
Nitrate (as NO ₃)	mg/l	29.5 \pm 0.271	30.17 \pm 1.41	1.48	102	0.42
Nitrite (as NO ₂)	mg/l	0.385 \pm 0.00518	0.3805 \pm 0.00757	0.0204	98.7	-0.24
Orthophosphate (as PO ₄)	mg/l	0.411 \pm 0.051	0.483 \pm 0.0331	0.123	118	0.58
pH-value	-	7.58 \pm 0.0328	7.56 \pm 0.0756	0.152	99.8	-0.12
Potassium	mg/l	2.79 \pm 0.0421	2.757 \pm 0.151	0.145	98.6	-0.26
Sodium	mg/l	24.8 \pm 0.253	25.18 \pm 2.87	0.844	101	0.42
Sulfate (as SO ₄)	mg/l	32 \pm 0.308	32.58 \pm 1.27	1.06	102	0.52
Total-P (as PO ₄)	mg/l	2.01 \pm 0.0245	2 \pm 0.241	0.151	99.6	-0.05
Total hardness	mmol/l	2.29 \pm 0.0232	2.399 \pm 0.184	0.0686	105	1.62
Total nitrogen	mg/l	7.29 \pm 0.23	- \pm -	0.605	-	-

Sample: N180BDOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.87 \pm 0.0629	- \pm -	0.287	-	-



Sample: N180A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	7.31 \pm 0.0254	7.355 \pm 0.199	0.146	101	0.11
Ammonium (as NH ₄)	mg/l	0.0867 \pm 0.00322	0.089 \pm 0.00568	0.0104	103	0.19
Boron	mg/l	0.0592 \pm 0.00162	- \pm -	0.00652	-	-
Calcium	mg/l	168 \pm 1.9	174.7 \pm 13.4	5.2	104	0.26
Chloride	mg/l	110 \pm 0.63	107.2 \pm 11.7	4.41	97.3	-0.13
El. conductivity (25°C)	μ S/cm	1170 \pm 4.33	1176 \pm 14.6	15.3	100	0.07
Hydrogen carbonate	mg/l	445 \pm 1.63	445.7 \pm 4.46	8.9	100	0.06
Magnesium	mg/l	39.8 \pm 0.541	41.87 \pm 1.97	1.59	105	0.53
Nitrate (as NO ₃)	mg/l	10.1 \pm 0.0896	10.18 \pm 0.475	0.507	100	0.04
Nitrite (as NO ₂)	mg/l	0.0307 \pm 0.00108	0.0295 \pm 0.000587	0.00307	96.2	-0.73
Orthophosphate (as PO ₄)	mg/l	0.051 \pm 0.00379	0.0485 \pm 0.00333	0.0102	95	-0.33
pH-value	-	7.6 \pm 0.0251	7.59 \pm 0.0759	0.152	99.8	-0.09
Potassium	mg/l	2.5 \pm 0.0456	2.435 \pm 0.134	0.13	97.6	-0.22
Sodium	mg/l	23.3 \pm 0.188	23.56 \pm 2.68	0.791	101	0.06
Sulfate (as SO ₄)	mg/l	106 \pm 0.947	105.6 \pm 4.13	3.51	99.2	-0.10
Total-P (as PO ₄)	mg/l	0.145 \pm 0.00263	0.1813 \pm 0.0218	0.0109	125	0.82
Total hardness	mmol/l	5.84 \pm 0.0648	6.107 \pm 0.469	0.175	105	0.28
Total nitrogen	mg/l	2.49 \pm 0.0962	- \pm -	0.207	-	-

Sample: N180ADOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.55 \pm 0.082	- \pm -	0.186	-	-

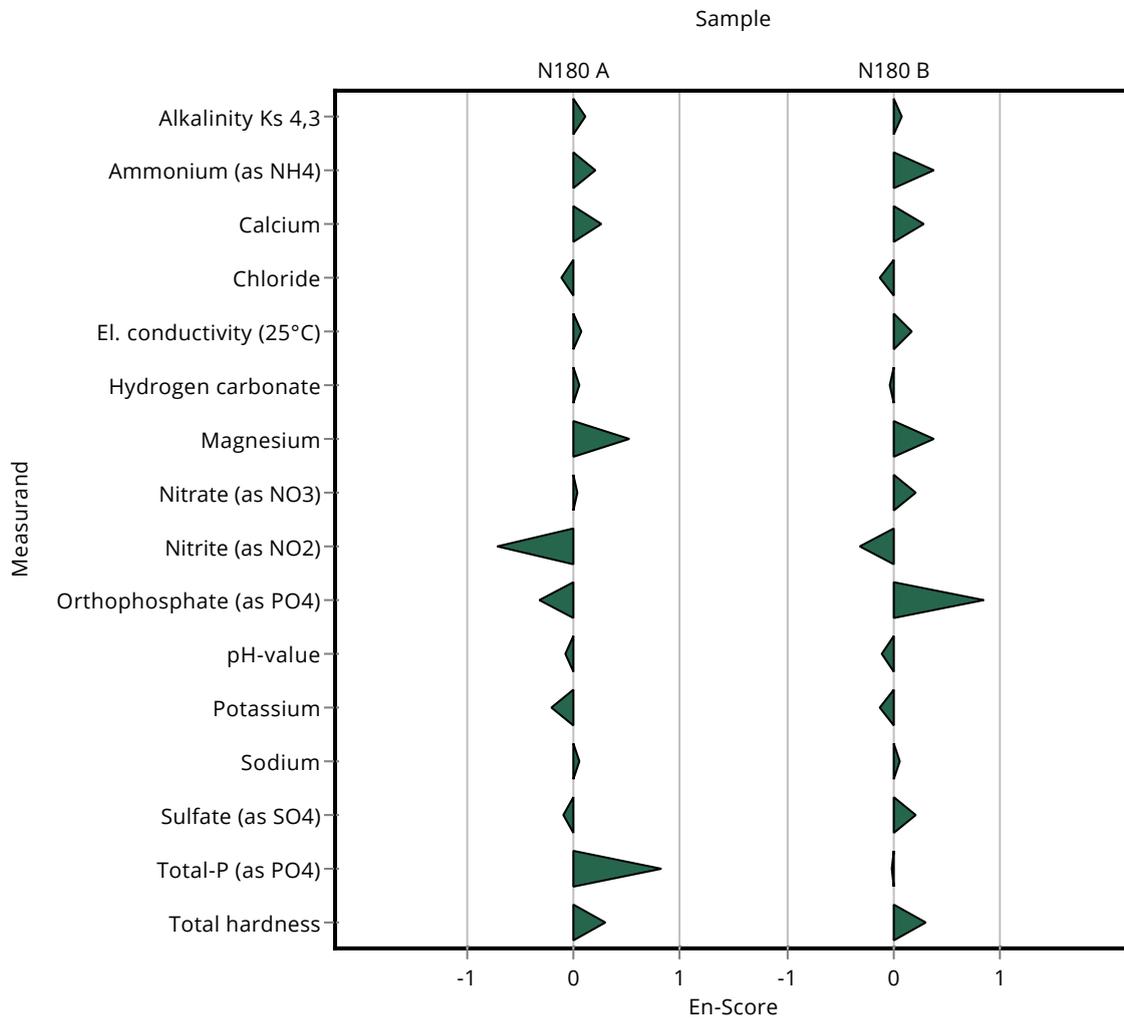
Sample: N180B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	3.5 \pm 0.0202	3.51 \pm 0.0946	0.0699	100	0.08

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.29 \pm 0.0086	0.305 \pm 0.0195	0.0348	105	0.38
Boron	mg/l	0.0162 \pm 0.000839	- \pm -	0.00179	-	-
Calcium	mg/l	65.6 \pm 0.729	68.73 \pm 5.28	2.03	105	0.29
Chloride	mg/l	41.2 \pm 0.375	40 \pm 4.37	1.65	97.2	-0.13
El. conductivity (25°C)	μ S/cm	571 \pm 1.88	573 \pm 7.1	7.42	100	0.17
Hydrogen carbonate	mg/l	211 \pm 1.2	211 \pm 2.11	4.22	100	-0.02
Magnesium	mg/l	15.8 \pm 0.174	16.39 \pm 0.77	0.632	104	0.38
Nitrate (as NO ₃)	mg/l	29.5 \pm 0.271	30.17 \pm 1.41	1.48	102	0.22
Nitrite (as NO ₂)	mg/l	0.385 \pm 0.00518	0.3805 \pm 0.00757	0.0204	98.7	-0.31
Orthophosphate (as PO ₄)	mg/l	0.411 \pm 0.051	0.483 \pm 0.0331	0.123	118	0.86
pH-value	-	7.58 \pm 0.0328	7.56 \pm 0.0756	0.152	99.8	-0.11
Potassium	mg/l	2.79 \pm 0.0421	2.757 \pm 0.151	0.145	98.6	-0.12
Sodium	mg/l	24.8 \pm 0.253	25.18 \pm 2.87	0.844	101	0.06
Sulfate (as SO ₄)	mg/l	32 \pm 0.308	32.58 \pm 1.27	1.06	102	0.21
Total-P (as PO ₄)	mg/l	2.01 \pm 0.0245	2 \pm 0.241	0.151	99.6	-0.02
Total hardness	mmol/l	2.29 \pm 0.0232	2.399 \pm 0.184	0.0686	105	0.30
Total nitrogen	mg/l	7.29 \pm 0.23	- \pm -	0.605	-	-

Sample: N180BDOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	2.87 \pm 0.0629	- \pm -	0.287	-	-



Sample: N180A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	7.31 \pm 0.0254	7.2 \pm 0.36	0.146	98.5	-0.75
Ammonium (as NH ₄)	mg/l	0.0867 \pm 0.00322	0.0867 \pm 0.0087	0.0104	99.9	0.00
Boron	mg/l	0.0592 \pm 0.00162	- \pm -	0.00652	-	-
Calcium	mg/l	168 \pm 1.9	175.4 \pm 8.8	5.2	105	1.46
Chloride	mg/l	110 \pm 0.63	111.1 \pm 5.6	4.41	101	0.21
El. conductivity (25°C)	μ S/cm	1170 \pm 4.33	1141 \pm 57	15.3	97.2	-2.16
Hydrogen carbonate	mg/l	445 \pm 1.63	- \pm -	8.9	-	-
Magnesium	mg/l	39.8 \pm 0.541	44.2 \pm 2.2	1.59	111	2.79
Nitrate (as NO ₃)	mg/l	10.1 \pm 0.0896	10.8 \pm 1.1	0.507	106	1.29
Nitrite (as NO ₂)	mg/l	0.0307 \pm 0.00108	0.0292 \pm 0.003	0.00307	95.2	-0.48
Orthophosphate (as PO ₄)	mg/l	0.051 \pm 0.00379	0.0515 \pm 0.005	0.0102	101	0.05
pH-value	-	7.6 \pm 0.0251	7.71 \pm 0.1	0.152	101	0.70
Potassium	mg/l	2.5 \pm 0.0456	2.6 \pm 0.1	0.13	104	0.81
Sodium	mg/l	23.3 \pm 0.188	24.7 \pm 1.2	0.791	106	1.82
Sulfate (as SO ₄)	mg/l	106 \pm 0.947	104.1 \pm 5.2	3.51	97.8	-0.66
Total-P (as PO ₄)	mg/l	0.145 \pm 0.00263	0.1419 \pm 0.014	0.0109	97.7	-0.31
Total hardness	mmol/l	5.84 \pm 0.0648	- \pm -	0.175	-	-
Total nitrogen	mg/l	2.49 \pm 0.0962	2.31 \pm 0.23	0.207	92.6	-0.89

Sample: N180ADOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.55 \pm 0.082	0.09 \pm 0.009	0.186	5.8	-7.85

Sample: N180B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	3.5 \pm 0.0202	3.44 \pm 0.17	0.0699	98.4	-0.79

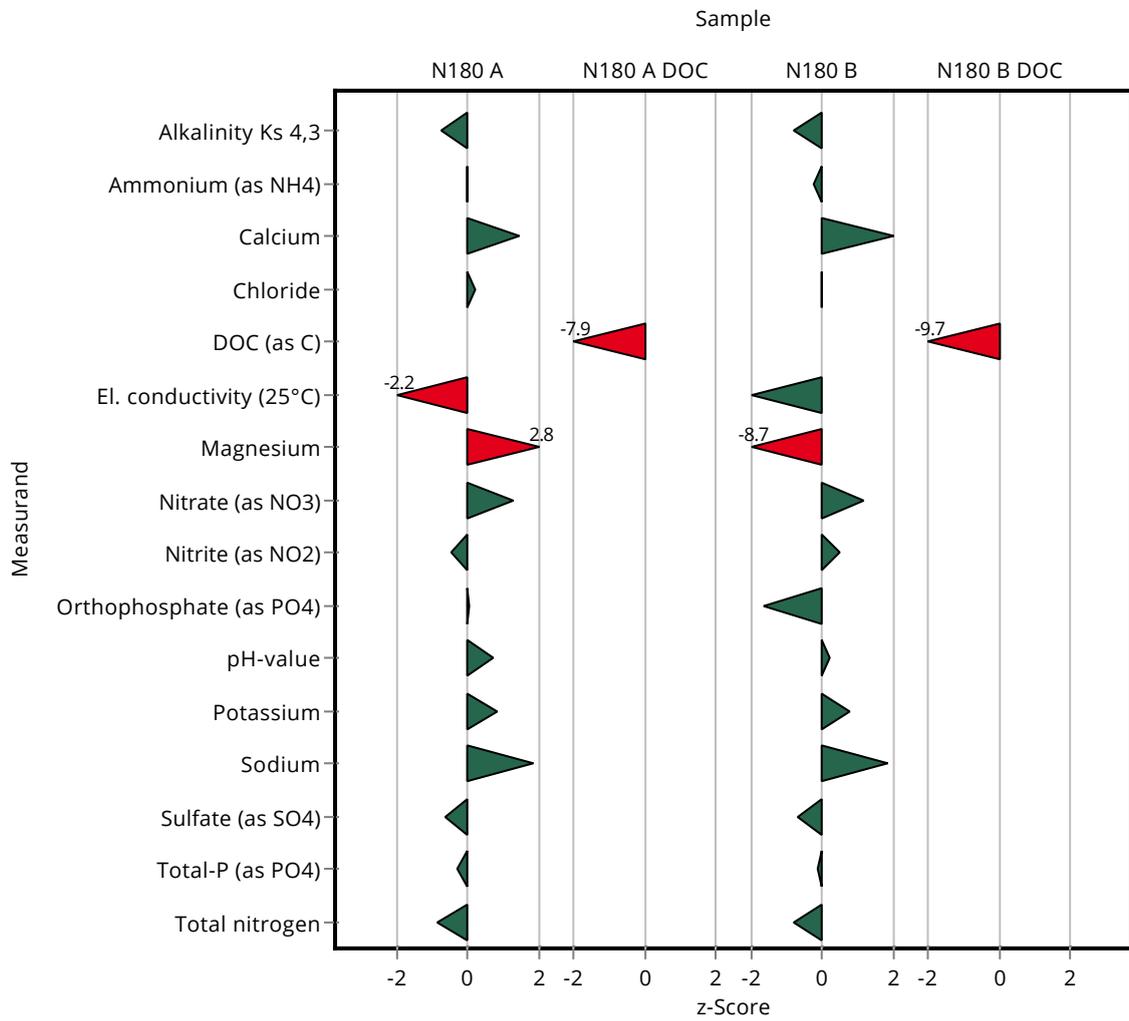
Summary of results Nutrients/Major Ions N180

Labcode: LC0038

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.29 \pm 0.0086	0.282 \pm 0.028	0.0348	97.3	-0.23
Boron	mg/l	0.0162 \pm 0.000839	- \pm -	0.00179	-	-
Calcium	mg/l	65.6 \pm 0.729	69.7 \pm 3.5	2.03	106	2.00
Chloride	mg/l	41.2 \pm 0.375	41.1 \pm 2.1	1.65	99.9	-0.04
El. conductivity (25°C)	μ S/cm	571 \pm 1.88	556 \pm 28	7.42	97.4	-1.97
Hydrogen carbonate	mg/l	211 \pm 1.2	- \pm -	4.22	-	-
Magnesium	mg/l	15.8 \pm 0.174	10.3 \pm 0.5	0.632	65.2	-8.70
Nitrate (as NO ₃)	mg/l	29.5 \pm 0.271	31.3 \pm 3.1	1.48	106	1.19
Nitrite (as NO ₂)	mg/l	0.385 \pm 0.00518	0.3953 \pm 0.04	0.0204	103	0.48
Orthophosphate (as PO ₄)	mg/l	0.411 \pm 0.051	0.209 \pm 0.0209	0.123	50.8	-1.64
pH-value	-	7.58 \pm 0.0328	7.61 \pm 0.1	0.152	100	0.21
Potassium	mg/l	2.79 \pm 0.0421	2.91 \pm 0.1	0.145	104	0.79
Sodium	mg/l	24.8 \pm 0.253	26.4 \pm 1.3	0.844	106	1.86
Sulfate (as SO ₄)	mg/l	32 \pm 0.308	31.3 \pm 1.6	1.06	97.7	-0.69
Total-P (as PO ₄)	mg/l	2.01 \pm 0.0245	1.99 \pm 0.199	0.151	99.1	-0.12
Total hardness	mmol/l	2.29 \pm 0.0232	- \pm -	0.0686	-	-
Total nitrogen	mg/l	7.29 \pm 0.23	6.8 \pm 0.7	0.605	93.3	-0.81

Sample: N180BDOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.87 \pm 0.0629	0.08 \pm 0.008	0.287	2.79	-9.72



Sample: N180A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	7.31 \pm 0.0254	7.2 \pm 0.36	0.146	98.5	-0.15
Ammonium (as NH ₄)	mg/l	0.0867 \pm 0.00322	0.0867 \pm 0.0087	0.0104	99.9	0.00
Boron	mg/l	0.0592 \pm 0.00162	- \pm -	0.00652	-	-
Calcium	mg/l	168 \pm 1.9	175.4 \pm 8.8	5.2	105	0.43
Chloride	mg/l	110 \pm 0.63	111.1 \pm 5.6	4.41	101	0.08
El. conductivity (25°C)	μ S/cm	1170 \pm 4.33	1141 \pm 57	15.3	97.2	-0.29
Hydrogen carbonate	mg/l	445 \pm 1.63	- \pm -	8.9	-	-
Magnesium	mg/l	39.8 \pm 0.541	44.2 \pm 2.2	1.59	111	1.00
Nitrate (as NO ₃)	mg/l	10.1 \pm 0.0896	10.8 \pm 1.1	0.507	106	0.30
Nitrite (as NO ₂)	mg/l	0.0307 \pm 0.00108	0.0292 \pm 0.003	0.00307	95.2	-0.24
Orthophosphate (as PO ₄)	mg/l	0.051 \pm 0.00379	0.0515 \pm 0.005	0.0102	101	0.04
pH-value	-	7.6 \pm 0.0251	7.71 \pm 0.1	0.152	101	0.53
Potassium	mg/l	2.5 \pm 0.0456	2.6 \pm 0.1	0.13	104	0.51
Sodium	mg/l	23.3 \pm 0.188	24.7 \pm 1.2	0.791	106	0.60
Sulfate (as SO ₄)	mg/l	106 \pm 0.947	104.1 \pm 5.2	3.51	97.8	-0.22
Total-P (as PO ₄)	mg/l	0.145 \pm 0.00263	0.1419 \pm 0.014	0.0109	97.7	-0.12
Total hardness	mmol/l	5.84 \pm 0.0648	- \pm -	0.175	-	-
Total nitrogen	mg/l	2.49 \pm 0.0962	2.31 \pm 0.23	0.207	92.6	-0.39

Sample: N180ADOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.55 \pm 0.082	0.09 \pm 0.009	0.186	5.8	-17.42

Sample: N180B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	3.5 \pm 0.0202	3.44 \pm 0.17	0.0699	98.4	-0.16

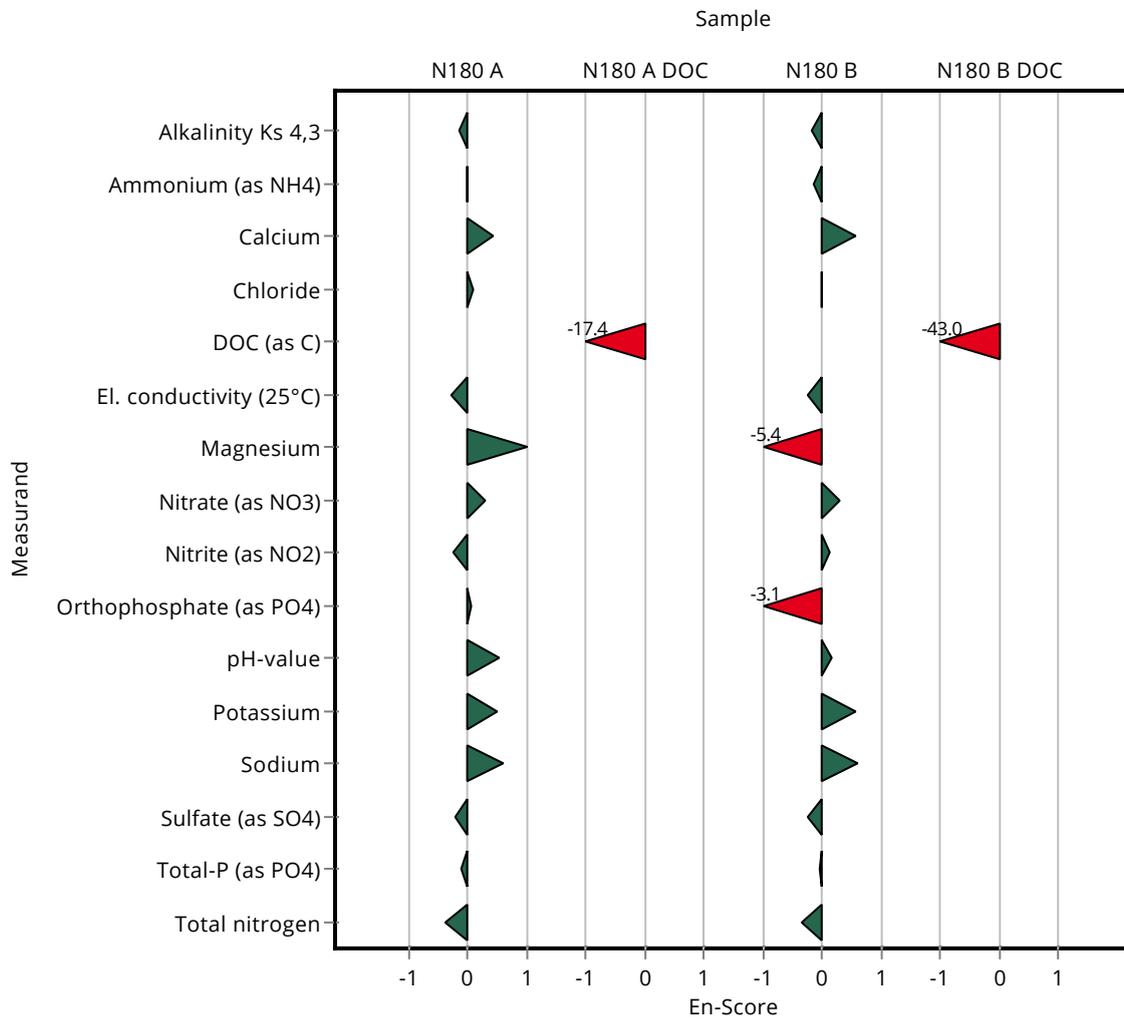
Summary of results Nutrients/Major Ions N180 - En-Score

Labcode: LC0038

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.29 \pm 0.0086	0.282 \pm 0.028	0.0348	97.3	-0.14
Boron	mg/l	0.0162 \pm 0.000839	- \pm -	0.00179	-	-
Calcium	mg/l	65.6 \pm 0.729	69.7 \pm 3.5	2.03	106	0.58
Chloride	mg/l	41.2 \pm 0.375	41.1 \pm 2.1	1.65	99.9	-0.01
El. conductivity (25°C)	μ S/cm	571 \pm 1.88	556 \pm 28	7.42	97.4	-0.26
Hydrogen carbonate	mg/l	211 \pm 1.2	- \pm -	4.22	-	-
Magnesium	mg/l	15.8 \pm 0.174	10.3 \pm 0.5	0.632	65.2	-5.42
Nitrate (as NO ₃)	mg/l	29.5 \pm 0.271	31.3 \pm 3.1	1.48	106	0.28
Nitrite (as NO ₂)	mg/l	0.385 \pm 0.00518	0.3953 \pm 0.04	0.0204	103	0.12
Orthophosphate (as PO ₄)	mg/l	0.411 \pm 0.051	0.209 \pm 0.0209	0.123	50.8	-3.07
pH-value	-	7.58 \pm 0.0328	7.61 \pm 0.1	0.152	100	0.16
Potassium	mg/l	2.79 \pm 0.0421	2.91 \pm 0.1	0.145	104	0.56
Sodium	mg/l	24.8 \pm 0.253	26.4 \pm 1.3	0.844	106	0.60
Sulfate (as SO ₄)	mg/l	32 \pm 0.308	31.3 \pm 1.6	1.06	97.7	-0.23
Total-P (as PO ₄)	mg/l	2.01 \pm 0.0245	1.99 \pm 0.199	0.151	99.1	-0.04
Total hardness	mmol/l	2.29 \pm 0.0232	- \pm -	0.0686	-	-
Total nitrogen	mg/l	7.29 \pm 0.23	6.8 \pm 0.7	0.605	93.3	-0.34

Sample: N180BDOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	2.87 \pm 0.0629	0.08 \pm 0.008	0.287	2.79	-43.00



Sample: N180A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	7.31 \pm 0.0254	7.31 \pm 0.51	0.146	100	0.00
Ammonium (as NH ₄)	mg/l	0.0867 \pm 0.00322	<0.064 \pm -	0.0104	-	-
Boron	mg/l	0.0592 \pm 0.00162	- \pm -	0.00652	-	-
Calcium	mg/l	168 \pm 1.9	112.8 \pm 7.89	5.2	67.2	-10.57
Chloride	mg/l	110 \pm 0.63	110.6 \pm 7.74	4.41	100	0.09
El. conductivity (25°C)	μ S/cm	1170 \pm 4.33	1169 \pm 58.5	15.3	99.6	-0.32
Hydrogen carbonate	mg/l	445 \pm 1.63	445.9 \pm 31.2	8.9	100	0.08
Magnesium	mg/l	39.8 \pm 0.541	35.63 \pm 2.56	1.59	89.6	-2.60
Nitrate (as NO ₃)	mg/l	10.1 \pm 0.0896	9.74 \pm 0.68	0.507	96	-0.80
Nitrite (as NO ₂)	mg/l	0.0307 \pm 0.00108	<0.16 \pm -	0.00307	-	-
Orthophosphate (as PO ₄)	mg/l	0.051 \pm 0.00379	<0.1 \pm -	0.0102	-	-
pH-value	-	7.6 \pm 0.0251	7.66 \pm 0.54	0.152	101	0.37
Potassium	mg/l	2.5 \pm 0.0456	2.346 \pm 0.16	0.13	94	-1.15
Sodium	mg/l	23.3 \pm 0.188	22.16 \pm 1.55	0.791	95.3	-1.39
Sulfate (as SO ₄)	mg/l	106 \pm 0.947	110.2 \pm 7.71	3.51	104	1.07
Total-P (as PO ₄)	mg/l	0.145 \pm 0.00263	- \pm -	0.0109	-	-
Total hardness	mmol/l	5.84 \pm 0.0648	4.29 \pm 0.3	0.175	73.5	-8.84
Total nitrogen	mg/l	2.49 \pm 0.0962	- \pm -	0.207	-	-

Sample: N180ADOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.55 \pm 0.082	- \pm -	0.186	-	-

Sample: N180B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	3.5 \pm 0.0202	3.39 \pm 0.24	0.0699	97	-1.51

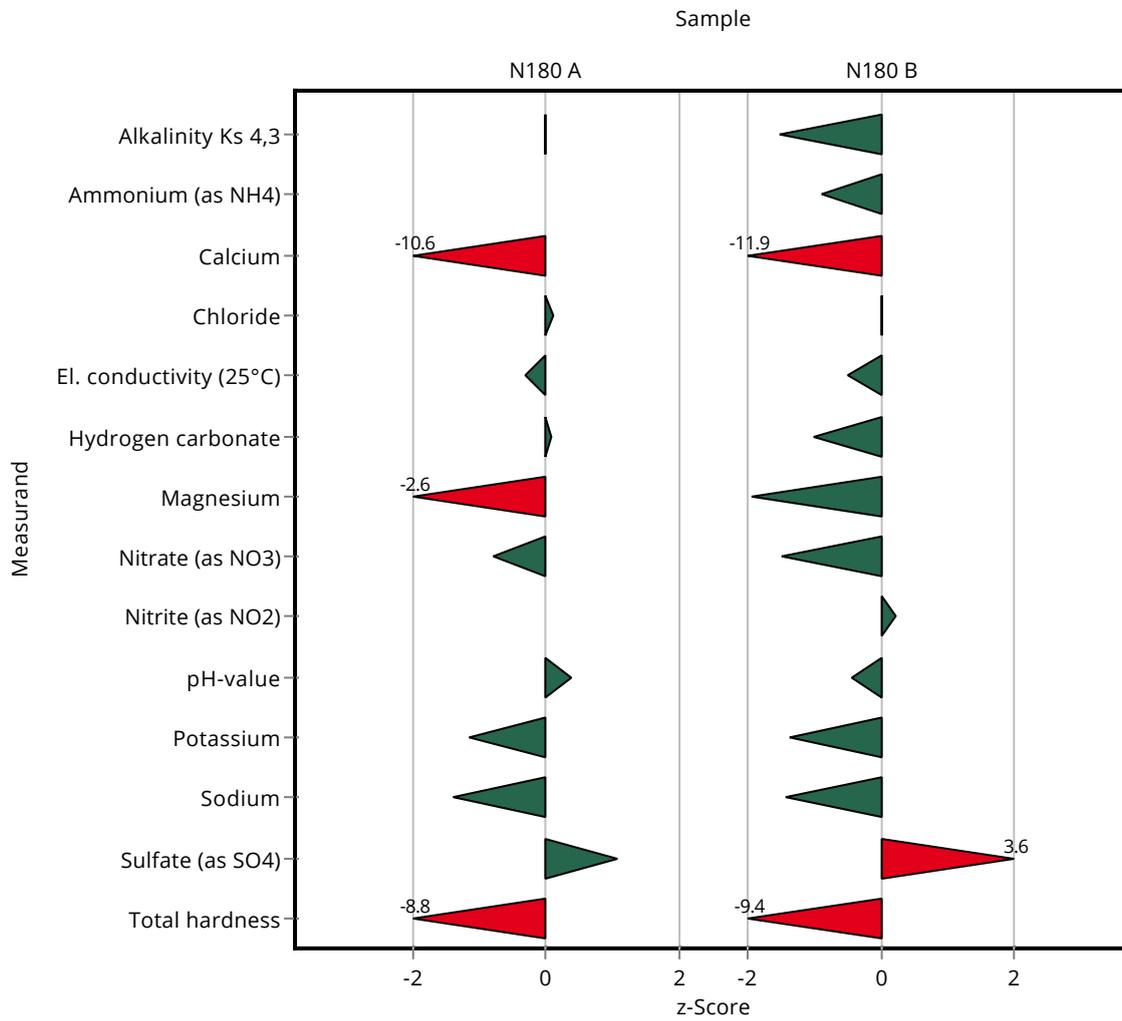
Summary of results Nutrients/Major Ions N180

Labcode: LC0039

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.29 \pm 0.0086	0.259 \pm 0.018	0.0348	89.3	-0.89
Boron	mg/l	0.0162 \pm 0.000839	- \pm -	0.00179	-	-
Calcium	mg/l	65.6 \pm 0.729	41.34 \pm 2.89	2.03	63	-11.94
Chloride	mg/l	41.2 \pm 0.375	41.2 \pm 2.88	1.65	100	0.02
El. conductivity (25°C)	μ S/cm	571 \pm 1.88	567 \pm 39.7	7.42	99.4	-0.48
Hydrogen carbonate	mg/l	211 \pm 1.2	206.8 \pm 14.5	4.22	98	-1.02
Magnesium	mg/l	15.8 \pm 0.174	14.57 \pm 1.02	0.632	92.2	-1.94
Nitrate (as NO ₃)	mg/l	29.5 \pm 0.271	27.37 \pm 1.92	1.48	92.6	-1.47
Nitrite (as NO ₂)	mg/l	0.385 \pm 0.00518	0.39 \pm 0.03	0.0204	101	0.22
Orthophosphate (as PO ₄)	mg/l	0.411 \pm 0.051	<0.1 \pm -	0.123	-	-
pH-value	-	7.58 \pm 0.0328	7.51 \pm 0.53	0.152	99.1	-0.45
Potassium	mg/l	2.79 \pm 0.0421	2.597 \pm 0.18	0.145	92.9	-1.36
Sodium	mg/l	24.8 \pm 0.253	23.64 \pm 1.65	0.844	95.2	-1.41
Sulfate (as SO ₄)	mg/l	32 \pm 0.308	35.84 \pm 2.51	1.06	112	3.60
Total-P (as PO ₄)	mg/l	2.01 \pm 0.0245	- \pm -	0.151	-	-
Total hardness	mmol/l	2.29 \pm 0.0232	1.64 \pm 0.11	0.0686	71.7	-9.44
Total nitrogen	mg/l	7.29 \pm 0.23	- \pm -	0.605	-	-

Sample: N180BDOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.87 \pm 0.0629	- \pm -	0.287	-	-



Sample: N180A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	7.31 \pm 0.0254	7.31 \pm 0.51	0.146	100	0.00
Ammonium (as NH ₄)	mg/l	0.0867 \pm 0.00322	<0.064 \pm -	0.0104	-	-
Boron	mg/l	0.0592 \pm 0.00162	- \pm -	0.00652	-	-
Calcium	mg/l	168 \pm 1.9	112.8 \pm 7.89	5.2	67.2	-3.46
Chloride	mg/l	110 \pm 0.63	110.6 \pm 7.74	4.41	100	0.03
El. conductivity (25°C)	μ S/cm	1170 \pm 4.33	1169 \pm 58.5	15.3	99.6	-0.04
Hydrogen carbonate	mg/l	445 \pm 1.63	445.9 \pm 31.2	8.9	100	0.01
Magnesium	mg/l	39.8 \pm 0.541	35.63 \pm 2.56	1.59	89.6	-0.80
Nitrate (as NO ₃)	mg/l	10.1 \pm 0.0896	9.74 \pm 0.68	0.507	96	-0.30
Nitrite (as NO ₂)	mg/l	0.0307 \pm 0.00108	<0.16 \pm -	0.00307	-	-
Orthophosphate (as PO ₄)	mg/l	0.051 \pm 0.00379	<0.1 \pm -	0.0102	-	-
pH-value	-	7.6 \pm 0.0251	7.66 \pm 0.54	0.152	101	0.05
Potassium	mg/l	2.5 \pm 0.0456	2.346 \pm 0.16	0.13	94	-0.46
Sodium	mg/l	23.3 \pm 0.188	22.16 \pm 1.55	0.791	95.3	-0.35
Sulfate (as SO ₄)	mg/l	106 \pm 0.947	110.2 \pm 7.71	3.51	104	0.24
Total-P (as PO ₄)	mg/l	0.145 \pm 0.00263	- \pm -	0.0109	-	-
Total hardness	mmol/l	5.84 \pm 0.0648	4.29 \pm 0.3	0.175	73.5	-2.57
Total nitrogen	mg/l	2.49 \pm 0.0962	- \pm -	0.207	-	-

Sample: N180ADOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.55 \pm 0.082	- \pm -	0.186	-	-

Sample: N180B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	3.5 \pm 0.0202	3.39 \pm 0.24	0.0699	97	-0.22

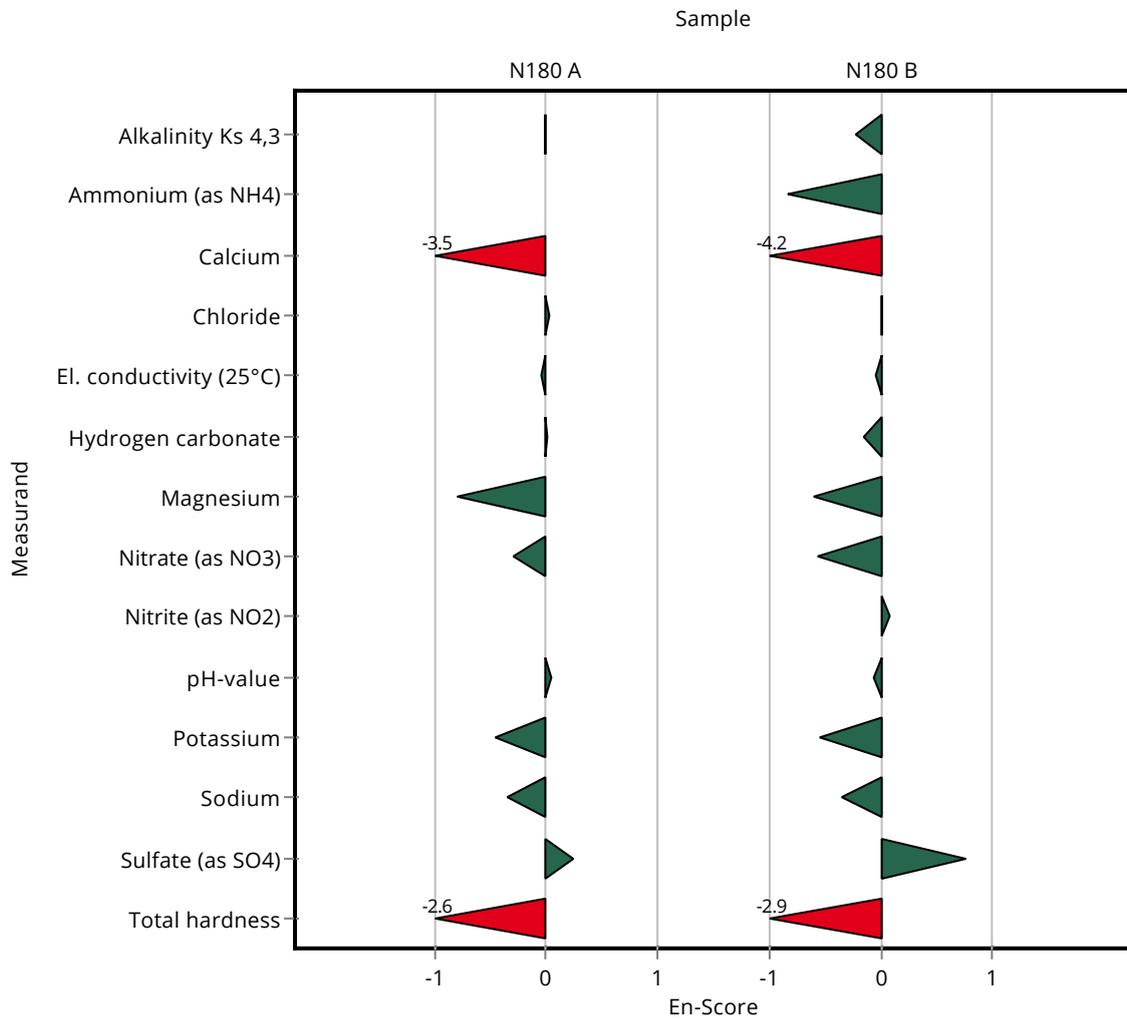
Summary of results Nutrients/Major Ions N180 - En-Score

Labcode: LC0039

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En- Score
Ammonium (as NH ₄)	mg/l	0.29 \pm 0.0086	0.259 \pm 0.018	0.0348	89.3	-0.84
Boron	mg/l	0.0162 \pm 0.000839	- \pm -	0.00179	-	-
Calcium	mg/l	65.6 \pm 0.729	41.34 \pm 2.89	2.03	63	-4.17
Chloride	mg/l	41.2 \pm 0.375	41.2 \pm 2.88	1.65	100	0.01
El. conductivity (25°C)	μ S/cm	571 \pm 1.88	567 \pm 39.7	7.42	99.4	-0.05
Hydrogen carbonate	mg/l	211 \pm 1.2	206.8 \pm 14.5	4.22	98	-0.15
Magnesium	mg/l	15.8 \pm 0.174	14.57 \pm 1.02	0.632	92.2	-0.60
Nitrate (as NO ₃)	mg/l	29.5 \pm 0.271	27.37 \pm 1.92	1.48	92.6	-0.57
Nitrite (as NO ₂)	mg/l	0.385 \pm 0.00518	0.39 \pm 0.03	0.0204	101	0.08
Orthophosphate (as PO ₄)	mg/l	0.411 \pm 0.051	<0.1 \pm -	0.123	-	-
pH-value	-	7.58 \pm 0.0328	7.51 \pm 0.53	0.152	99.1	-0.06
Potassium	mg/l	2.79 \pm 0.0421	2.597 \pm 0.18	0.145	92.9	-0.55
Sodium	mg/l	24.8 \pm 0.253	23.64 \pm 1.65	0.844	95.2	-0.36
Sulfate (as SO ₄)	mg/l	32 \pm 0.308	35.84 \pm 2.51	1.06	112	0.76
Total-P (as PO ₄)	mg/l	2.01 \pm 0.0245	- \pm -	0.151	-	-
Total hardness	mmol/l	2.29 \pm 0.0232	1.64 \pm 0.11	0.0686	71.7	-2.93
Total nitrogen	mg/l	7.29 \pm 0.23	- \pm -	0.605	-	-

Sample: N180BDOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En- Score
DOC (as C)	mg/l	2.87 \pm 0.0629	- \pm -	0.287	-	-



Sample: N180A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	7.31 \pm 0.0254	- \pm -	0.146	-	-
Ammonium (as NH ₄)	mg/l	0.0867 \pm 0.00322	0.096 \pm 0.022	0.0104	111	0.89
Boron	mg/l	0.0592 \pm 0.00162	- \pm -	0.00652	-	-
Calcium	mg/l	168 \pm 1.9	- \pm -	5.2	-	-
Chloride	mg/l	110 \pm 0.63	109.669 \pm 14.345	4.41	99.5	-0.12
El. conductivity (25°C)	μ S/cm	1170 \pm 4.33	1193 \pm 60	15.3	102	1.25
Hydrogen carbonate	mg/l	445 \pm 1.63	- \pm -	8.9	-	-
Magnesium	mg/l	39.8 \pm 0.541	- \pm -	1.59	-	-
Nitrate (as NO ₃)	mg/l	10.1 \pm 0.0896	10.133 \pm 0.449	0.507	99.9	-0.02
Nitrite (as NO ₂)	mg/l	0.0307 \pm 0.00108	0.036 \pm 0.01	0.00307	117	1.74
Orthophosphate (as PO ₄)	mg/l	0.051 \pm 0.00379	0.046 \pm 0.008	0.0102	90.1	-0.49
pH-value	-	7.6 \pm 0.0251	- \pm -	0.152	-	-
Potassium	mg/l	2.5 \pm 0.0456	- \pm -	0.13	-	-
Sodium	mg/l	23.3 \pm 0.188	- \pm -	0.791	-	-
Sulfate (as SO ₄)	mg/l	106 \pm 0.947	103.499 \pm 6.303	3.51	97.2	-0.84
Total-P (as PO ₄)	mg/l	0.145 \pm 0.00263	0.125 \pm 0.015	0.0109	86	-1.86
Total hardness	mmol/l	5.84 \pm 0.0648	- \pm -	0.175	-	-
Total nitrogen	mg/l	2.49 \pm 0.0962	2.184 \pm 0.312	0.207	87.6	-1.50

Sample: N180ADOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.55 \pm 0.082	1.593 \pm 0.287	0.186	103	0.22

Sample: N180B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	3.5 \pm 0.0202	- \pm -	0.0699	-	-

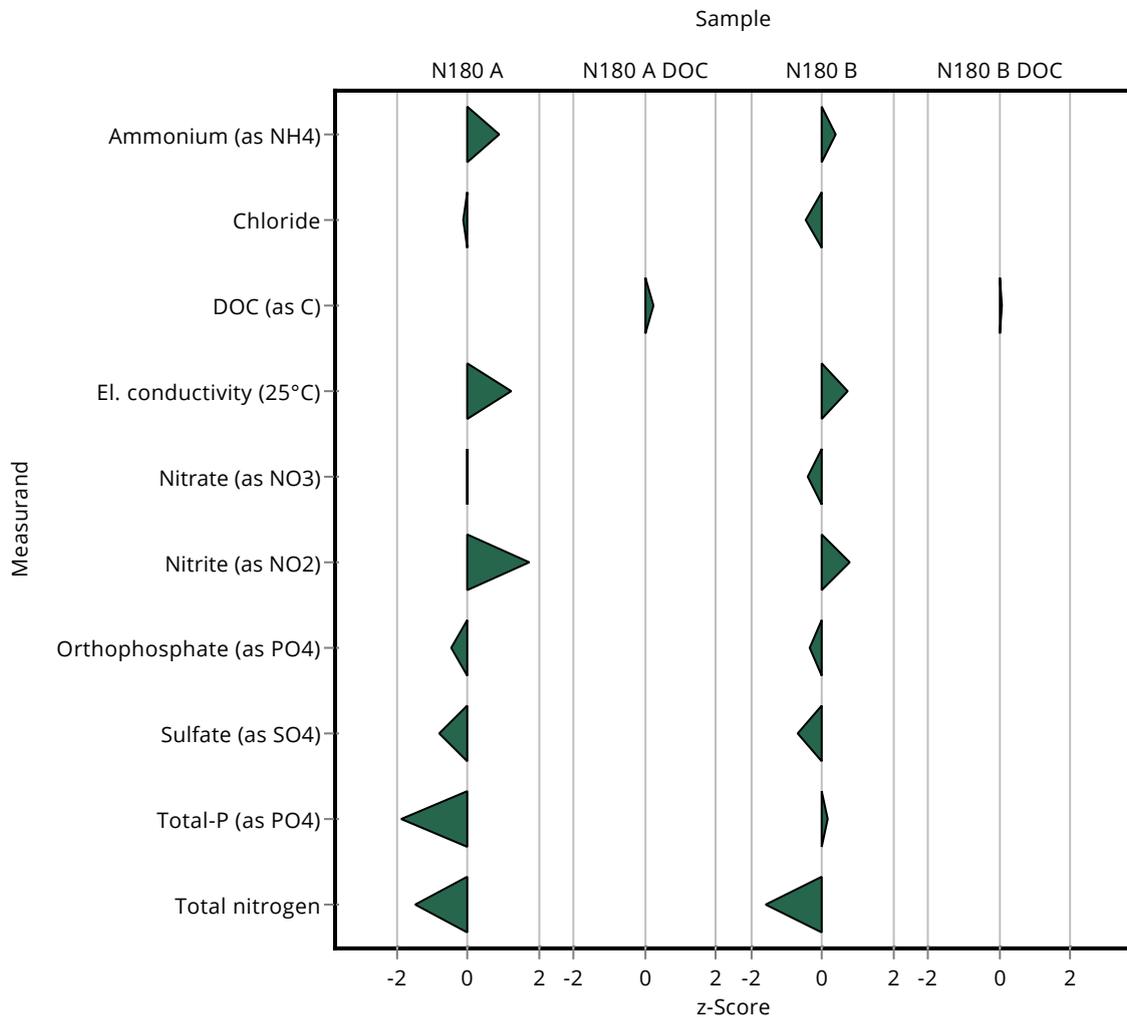
Summary of results Nutrients/Major Ions N180

Labcode: LC0040

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.29 \pm 0.0086	0.304 \pm 0.07	0.0348	105	0.40
Boron	mg/l	0.0162 \pm 0.000839	- \pm -	0.00179	-	-
Calcium	mg/l	65.6 \pm 0.729	- \pm -	2.03	-	-
Chloride	mg/l	41.2 \pm 0.375	40.409 \pm 5.286	1.65	98.2	-0.46
El. conductivity (25°C)	μ S/cm	571 \pm 1.88	576 \pm 29	7.42	101	0.73
Hydrogen carbonate	mg/l	211 \pm 1.2	- \pm -	4.22	-	-
Magnesium	mg/l	15.8 \pm 0.174	- \pm -	0.632	-	-
Nitrate (as NO ₃)	mg/l	29.5 \pm 0.271	28.93 \pm 1.282	1.48	97.9	-0.42
Nitrite (as NO ₂)	mg/l	0.385 \pm 0.00518	0.401 \pm 0.112	0.0204	104	0.76
Orthophosphate (as PO ₄)	mg/l	0.411 \pm 0.051	0.369 \pm 0.063	0.123	89.8	-0.34
pH-value	-	7.58 \pm 0.0328	- \pm -	0.152	-	-
Potassium	mg/l	2.79 \pm 0.0421	- \pm -	0.145	-	-
Sodium	mg/l	24.8 \pm 0.253	- \pm -	0.844	-	-
Sulfate (as SO ₄)	mg/l	32 \pm 0.308	31.301 \pm 1.906	1.06	97.7	-0.69
Total-P (as PO ₄)	mg/l	2.01 \pm 0.0245	2.031 \pm 0.244	0.151	101	0.16
Total hardness	mmol/l	2.29 \pm 0.0232	- \pm -	0.0686	-	-
Total nitrogen	mg/l	7.29 \pm 0.23	6.313 \pm 0.901	0.605	86.6	-1.61

Sample: N180BDOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.87 \pm 0.0629	2.897 \pm 0.521	0.287	101	0.09



Sample: N180A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	7.31 \pm 0.0254	- \pm -	0.146	-	-
Ammonium (as NH ₄)	mg/l	0.0867 \pm 0.00322	0.096 \pm 0.022	0.0104	111	0.21
Boron	mg/l	0.0592 \pm 0.00162	- \pm -	0.00652	-	-
Calcium	mg/l	168 \pm 1.9	- \pm -	5.2	-	-
Chloride	mg/l	110 \pm 0.63	109.669 \pm 14.345	4.41	99.5	-0.02
El. conductivity (25°C)	μ S/cm	1170 \pm 4.33	1193 \pm 60	15.3	102	0.16
Hydrogen carbonate	mg/l	445 \pm 1.63	- \pm -	8.9	-	-
Magnesium	mg/l	39.8 \pm 0.541	- \pm -	1.59	-	-
Nitrate (as NO ₃)	mg/l	10.1 \pm 0.0896	10.133 \pm 0.449	0.507	99.9	-0.01
Nitrite (as NO ₂)	mg/l	0.0307 \pm 0.00108	0.036 \pm 0.01	0.00307	117	0.27
Orthophosphate (as PO ₄)	mg/l	0.051 \pm 0.00379	0.046 \pm 0.008	0.0102	90.1	-0.31
pH-value	-	7.6 \pm 0.0251	- \pm -	0.152	-	-
Potassium	mg/l	2.5 \pm 0.0456	- \pm -	0.13	-	-
Sodium	mg/l	23.3 \pm 0.188	- \pm -	0.791	-	-
Sulfate (as SO ₄)	mg/l	106 \pm 0.947	103.499 \pm 6.303	3.51	97.2	-0.23
Total-P (as PO ₄)	mg/l	0.145 \pm 0.00263	0.125 \pm 0.015	0.0109	86	-0.67
Total hardness	mmol/l	5.84 \pm 0.0648	- \pm -	0.175	-	-
Total nitrogen	mg/l	2.49 \pm 0.0962	2.184 \pm 0.312	0.207	87.6	-0.49

Sample: N180ADOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.55 \pm 0.082	1.593 \pm 0.287	0.186	103	0.07

Sample: N180B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	3.5 \pm 0.0202	- \pm -	0.0699	-	-

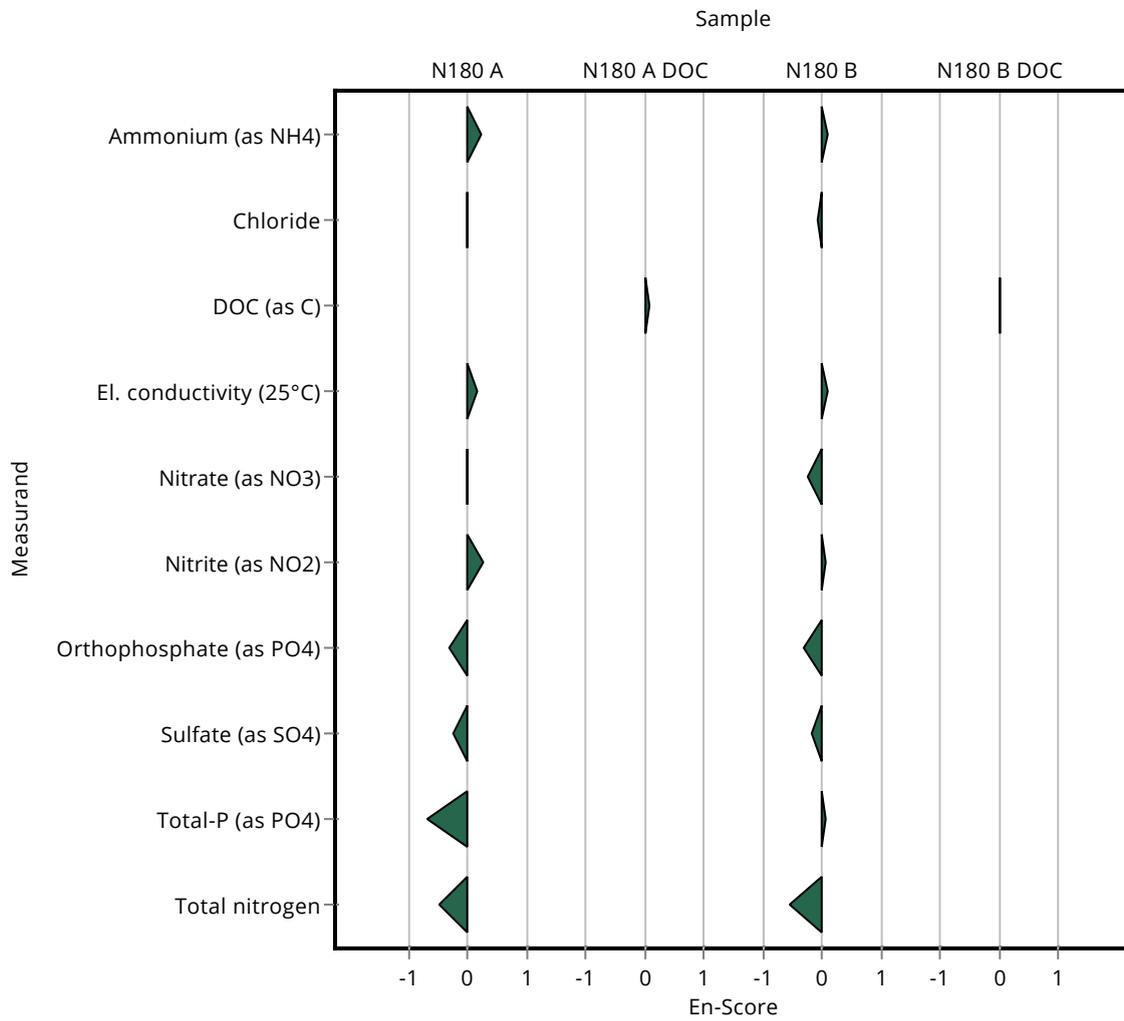
Summary of results Nutrients/Major Ions N180 - En-Score

Labcode: LC0040

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En- Score
Ammonium (as NH ₄)	mg/l	0.29 \pm 0.0086	0.304 \pm 0.07	0.0348	105	0.10
Boron	mg/l	0.0162 \pm 0.000839	- \pm -	0.00179	-	-
Calcium	mg/l	65.6 \pm 0.729	- \pm -	2.03	-	-
Chloride	mg/l	41.2 \pm 0.375	40.409 \pm 5.286	1.65	98.2	-0.07
El. conductivity (25°C)	μ S/cm	571 \pm 1.88	576 \pm 29	7.42	101	0.09
Hydrogen carbonate	mg/l	211 \pm 1.2	- \pm -	4.22	-	-
Magnesium	mg/l	15.8 \pm 0.174	- \pm -	0.632	-	-
Nitrate (as NO ₃)	mg/l	29.5 \pm 0.271	28.93 \pm 1.282	1.48	97.9	-0.24
Nitrite (as NO ₂)	mg/l	0.385 \pm 0.00518	0.401 \pm 0.112	0.0204	104	0.07
Orthophosphate (as PO ₄)	mg/l	0.411 \pm 0.051	0.369 \pm 0.063	0.123	89.8	-0.31
pH-value	-	7.58 \pm 0.0328	- \pm -	0.152	-	-
Potassium	mg/l	2.79 \pm 0.0421	- \pm -	0.145	-	-
Sodium	mg/l	24.8 \pm 0.253	- \pm -	0.844	-	-
Sulfate (as SO ₄)	mg/l	32 \pm 0.308	31.301 \pm 1.906	1.06	97.7	-0.19
Total-P (as PO ₄)	mg/l	2.01 \pm 0.0245	2.031 \pm 0.244	0.151	101	0.05
Total hardness	mmol/l	2.29 \pm 0.0232	- \pm -	0.0686	-	-
Total nitrogen	mg/l	7.29 \pm 0.23	6.313 \pm 0.901	0.605	86.6	-0.54

Sample: N180BDOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En- Score
DOC (as C)	mg/l	2.87 \pm 0.0629	2.897 \pm 0.521	0.287	101	0.03



Sample: N180A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	7.31 \pm 0.0254	7.3 \pm 0.73	0.146	99.9	-0.07
Ammonium (as NH4)	mg/l	0.0867 \pm 0.00322	0.09 \pm 0.018	0.0104	104	0.31
Boron	mg/l	0.0592 \pm 0.00162	0.054 \pm 0.011	0.00652	91.2	-0.80
Calcium	mg/l	168 \pm 1.9	165 \pm 33	5.2	98.3	-0.54
Chloride	mg/l	110 \pm 0.63	114 \pm 17	4.41	103	0.86
El. conductivity (25°C)	μ S/cm	1170 \pm 4.33	1165 \pm 117	15.3	99.2	-0.59
Hydrogen carbonate	mg/l	445 \pm 1.63	446 \pm 45	8.9	100	0.09
Magnesium	mg/l	39.8 \pm 0.541	39.5 \pm 7.9	1.59	99.3	-0.17
Nitrate (as NO3)	mg/l	10.1 \pm 0.0896	10.5 \pm 1.6	0.507	103	0.70
Nitrite (as NO2)	mg/l	0.0307 \pm 0.00108	0.0265 \pm 0.0039	0.00307	86.4	-1.36
Orthophosphate (as PO4)	mg/l	0.051 \pm 0.00379	<0.1 \pm -	0.0102	-	-
pH-value	-	7.6 \pm 0.0251	7.55 \pm 0.8	0.152	99.3	-0.36
Potassium	mg/l	2.5 \pm 0.0456	2.55 \pm 0.51	0.13	102	0.42
Sodium	mg/l	23.3 \pm 0.188	23.5 \pm 4.7	0.791	101	0.31
Sulfate (as SO4)	mg/l	106 \pm 0.947	108 \pm 16	3.51	101	0.45
Total-P (as PO4)	mg/l	0.145 \pm 0.00263	0.152 \pm 0.03	0.0109	105	0.62
Total hardness	mmol/l	5.84 \pm 0.0648	5.67 \pm 1.1	0.175	97.1	-0.97
Total nitrogen	mg/l	2.49 \pm 0.0962	2.46 \pm 0.49	0.207	98.6	-0.16

Sample: N180ADOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.55 \pm 0.082	1.4 \pm 0.42	0.186	90.2	-0.82

Sample: N180B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	3.5 \pm 0.0202	3.43 \pm 0.69	0.0699	98.1	-0.93

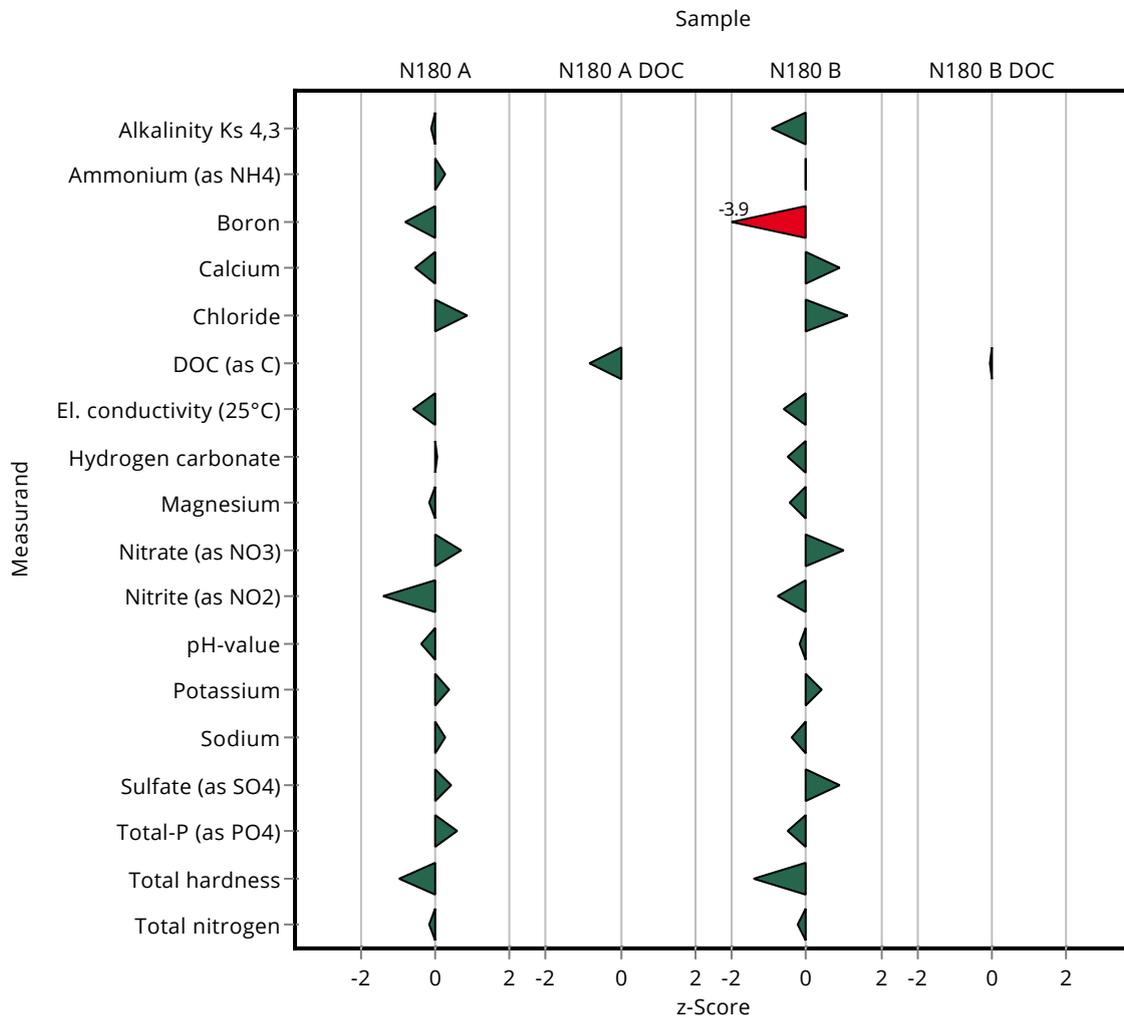
Summary of results Nutrients/Major Ions N180

Labcode: LC0041

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.29 \pm 0.0086	0.29 \pm 0.044	0.0348	100	0.00
Boron	mg/l	0.0162 \pm 0.000839	0.0092 \pm 0.0018	0.00179	56.7	-3.94
Calcium	mg/l	65.6 \pm 0.729	67.5 \pm 14	2.03	103	0.91
Chloride	mg/l	41.2 \pm 0.375	43 \pm 6.5	1.65	104	1.12
El. conductivity (25°C)	μ S/cm	571 \pm 1.88	566 \pm 57	7.42	99.2	-0.62
Hydrogen carbonate	mg/l	211 \pm 1.2	209 \pm 42	4.22	99	-0.50
Magnesium	mg/l	15.8 \pm 0.174	15.5 \pm 3.1	0.632	98.1	-0.47
Nitrate (as NO ₃)	mg/l	29.5 \pm 0.271	31 \pm 4.7	1.48	105	0.98
Nitrite (as NO ₂)	mg/l	0.385 \pm 0.00518	0.37 \pm 0.056	0.0204	96	-0.76
Orthophosphate (as PO ₄)	mg/l	0.411 \pm 0.051	<0.1 \pm -	0.123	-	-
pH-value	-	7.58 \pm 0.0328	7.55 \pm 0.76	0.152	99.6	-0.18
Potassium	mg/l	2.79 \pm 0.0421	2.85 \pm 0.57	0.145	102	0.38
Sodium	mg/l	24.8 \pm 0.253	24.5 \pm 4.9	0.844	98.7	-0.39
Sulfate (as SO ₄)	mg/l	32 \pm 0.308	33 \pm 4.95	1.06	103	0.91
Total-P (as PO ₄)	mg/l	2.01 \pm 0.0245	1.93 \pm 0.39	0.151	96.1	-0.51
Total hardness	mmol/l	2.29 \pm 0.0232	2.19 \pm 0.44	0.0686	95.7	-1.43
Total nitrogen	mg/l	7.29 \pm 0.23	7.16 \pm 1.43	0.605	98.2	-0.21

Sample: N180BDOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.87 \pm 0.0629	2.85 \pm 0.86	0.287	99.3	-0.07



Sample: N180A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	7.31 \pm 0.0254	7.3 \pm 0.73	0.146	99.9	-0.01
Ammonium (as NH ₄)	mg/l	0.0867 \pm 0.00322	0.09 \pm 0.018	0.0104	104	0.09
Boron	mg/l	0.0592 \pm 0.00162	0.054 \pm 0.011	0.00652	91.2	-0.24
Calcium	mg/l	168 \pm 1.9	165 \pm 33	5.2	98.3	-0.04
Chloride	mg/l	110 \pm 0.63	114 \pm 17	4.41	103	0.11
El. conductivity (25°C)	μ S/cm	1170 \pm 4.33	1165 \pm 117	15.3	99.2	-0.04
Hydrogen carbonate	mg/l	445 \pm 1.63	446 \pm 45	8.9	100	0.01
Magnesium	mg/l	39.8 \pm 0.541	39.5 \pm 7.9	1.59	99.3	-0.02
Nitrate (as NO ₃)	mg/l	10.1 \pm 0.0896	10.5 \pm 1.6	0.507	103	0.11
Nitrite (as NO ₂)	mg/l	0.0307 \pm 0.00108	0.0265 \pm 0.0039	0.00307	86.4	-0.53
Orthophosphate (as PO ₄)	mg/l	0.051 \pm 0.00379	<0.1 \pm -	0.0102	-	-
pH-value	-	7.6 \pm 0.0251	7.55 \pm 0.8	0.152	99.3	-0.03
Potassium	mg/l	2.5 \pm 0.0456	2.55 \pm 0.51	0.13	102	0.05
Sodium	mg/l	23.3 \pm 0.188	23.5 \pm 4.7	0.791	101	0.03
Sulfate (as SO ₄)	mg/l	106 \pm 0.947	108 \pm 16	3.51	101	0.05
Total-P (as PO ₄)	mg/l	0.145 \pm 0.00263	0.152 \pm 0.03	0.0109	105	0.11
Total hardness	mmol/l	5.84 \pm 0.0648	5.67 \pm 1.1	0.175	97.1	-0.08
Total nitrogen	mg/l	2.49 \pm 0.0962	2.46 \pm 0.49	0.207	98.6	-0.03

Sample: N180ADOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.55 \pm 0.082	1.4 \pm 0.42	0.186	90.2	-0.18

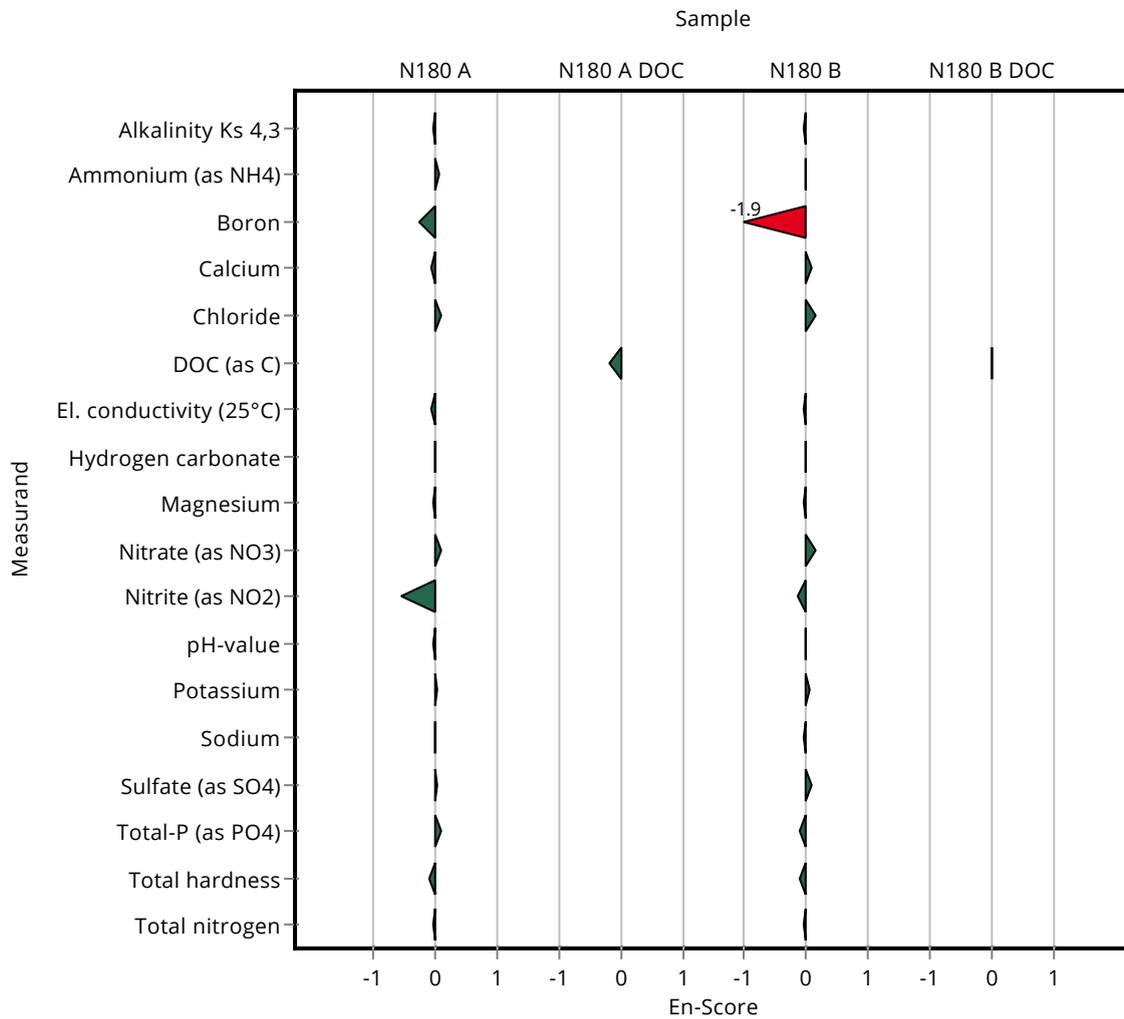
Sample: N180B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	3.5 \pm 0.0202	3.43 \pm 0.69	0.0699	98.1	-0.05

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.29 \pm 0.0086	0.29 \pm 0.044	0.0348	100	0.00
Boron	mg/l	0.0162 \pm 0.000839	0.0092 \pm 0.0018	0.00179	56.7	-1.90
Calcium	mg/l	65.6 \pm 0.729	67.5 \pm 14	2.03	103	0.07
Chloride	mg/l	41.2 \pm 0.375	43 \pm 6.5	1.65	104	0.14
El. conductivity (25°C)	μ S/cm	571 \pm 1.88	566 \pm 57	7.42	99.2	-0.04
Hydrogen carbonate	mg/l	211 \pm 1.2	209 \pm 42	4.22	99	-0.02
Magnesium	mg/l	15.8 \pm 0.174	15.5 \pm 3.1	0.632	98.1	-0.05
Nitrate (as NO ₃)	mg/l	29.5 \pm 0.271	31 \pm 4.7	1.48	105	0.15
Nitrite (as NO ₂)	mg/l	0.385 \pm 0.00518	0.37 \pm 0.056	0.0204	96	-0.14
Orthophosphate (as PO ₄)	mg/l	0.411 \pm 0.051	<0.1 \pm -	0.123	-	-
pH-value	-	7.58 \pm 0.0328	7.55 \pm 0.76	0.152	99.6	-0.02
Potassium	mg/l	2.79 \pm 0.0421	2.85 \pm 0.57	0.145	102	0.05
Sodium	mg/l	24.8 \pm 0.253	24.5 \pm 4.9	0.844	98.7	-0.03
Sulfate (as SO ₄)	mg/l	32 \pm 0.308	33 \pm 4.95	1.06	103	0.10
Total-P (as PO ₄)	mg/l	2.01 \pm 0.0245	1.93 \pm 0.39	0.151	96.1	-0.10
Total hardness	mmol/l	2.29 \pm 0.0232	2.19 \pm 0.44	0.0686	95.7	-0.11
Total nitrogen	mg/l	7.29 \pm 0.23	7.16 \pm 1.43	0.605	98.2	-0.05

Sample: N180BDOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	2.87 \pm 0.0629	2.85 \pm 0.86	0.287	99.3	-0.01



Sample: N180A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	7.31 \pm 0.0254	7.26 \pm 0.218	0.146	99.3	-0.34
Ammonium (as NH ₄)	mg/l	0.0867 \pm 0.00322	0.081 \pm 0.013	0.0104	93.4	-0.55
Boron	mg/l	0.0592 \pm 0.00162	<0.05 \pm -	0.00652	-	-
Calcium	mg/l	168 \pm 1.9	171.6 \pm 13.72	5.2	102	0.73
Chloride	mg/l	110 \pm 0.63	108.7 \pm 7.61	4.41	98.6	-0.34
El. conductivity (25°C)	μ S/cm	1170 \pm 4.33	1189 \pm 23.78	15.3	101	0.99
Hydrogen carbonate	mg/l	445 \pm 1.63	443 \pm 44.3	8.9	99.5	-0.25
Magnesium	mg/l	39.8 \pm 0.541	41 \pm 5.329	1.59	103	0.77
Nitrate (as NO ₃)	mg/l	10.1 \pm 0.0896	10.3 \pm 0.721	0.507	102	0.31
Nitrite (as NO ₂)	mg/l	0.0307 \pm 0.00108	<0.033 \pm -	0.00307	-	-
Orthophosphate (as PO ₄)	mg/l	0.051 \pm 0.00379	<0.1251 \pm -	0.0102	-	-
pH-value	-	7.6 \pm 0.0251	7.57 \pm 0.227	0.152	99.6	-0.22
Potassium	mg/l	2.5 \pm 0.0456	2.63 \pm 0.316	0.13	105	1.04
Sodium	mg/l	23.3 \pm 0.188	23.88 \pm 2.149	0.791	103	0.79
Sulfate (as SO ₄)	mg/l	106 \pm 0.947	103.8 \pm 11.42	3.51	97.5	-0.75
Total-P (as PO ₄)	mg/l	0.145 \pm 0.00263	0.147 \pm 0.0103	0.0109	101	0.16
Total hardness	mmol/l	5.84 \pm 0.0648	5.94 \pm 0.297	0.175	102	0.58
Total nitrogen	mg/l	2.49 \pm 0.0962	2.41 \pm 0.41	0.207	96.6	-0.40

Sample: N180ADOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.55 \pm 0.082	1.72 \pm 0.258	0.186	111	0.90

Sample: N180B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	3.5 \pm 0.0202	3.66 \pm 0.11	0.0699	105	2.36

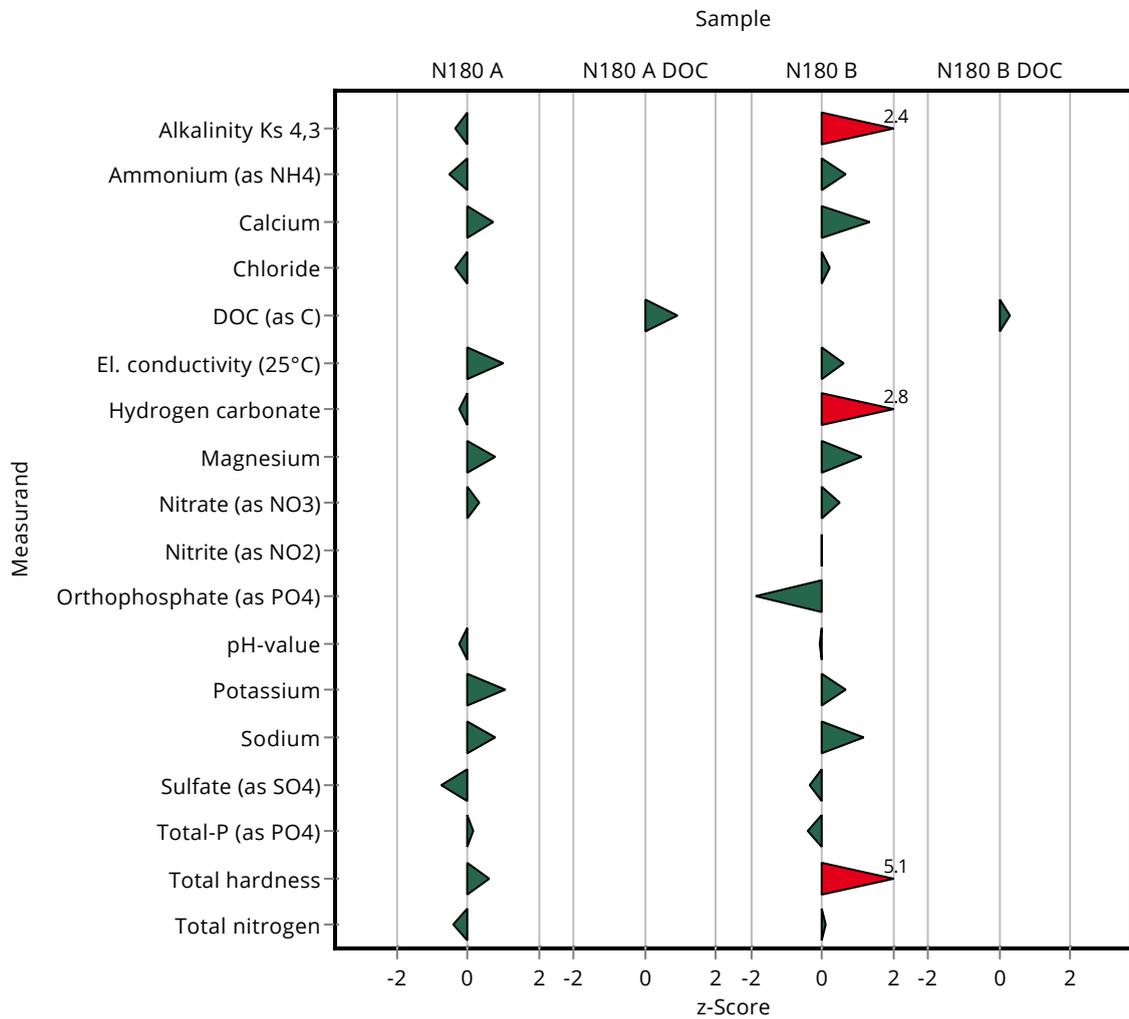
Summary of results Nutrients/Major Ions N180

Labcode: LC0042

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.29 \pm 0.0086	0.314 \pm 0.05	0.0348	108	0.69
Boron	mg/l	0.0162 \pm 0.000839	<0.05 \pm -	0.00179	-	-
Calcium	mg/l	65.6 \pm 0.729	68.35 \pm 5.47	2.03	104	1.33
Chloride	mg/l	41.2 \pm 0.375	41.5 \pm 2.9	1.65	101	0.21
El. conductivity (25°C)	μ S/cm	571 \pm 1.88	575 \pm 11.5	7.42	101	0.60
Hydrogen carbonate	mg/l	211 \pm 1.2	223 \pm 22.3	4.22	106	2.82
Magnesium	mg/l	15.8 \pm 0.174	16.52 \pm 2.148	0.632	105	1.14
Nitrate (as NO ₃)	mg/l	29.5 \pm 0.271	30.3 \pm 2.12	1.48	103	0.51
Nitrite (as NO ₂)	mg/l	0.385 \pm 0.00518	0.385 \pm 0.0539	0.0204	99.9	-0.02
Orthophosphate (as PO ₄)	mg/l	0.411 \pm 0.051	0.178 \pm 0.0231	0.123	43.3	-1.89
pH-value	-	7.58 \pm 0.0328	7.57 \pm 0.227	0.152	99.9	-0.05
Potassium	mg/l	2.79 \pm 0.0421	2.89 \pm 0.347	0.145	103	0.66
Sodium	mg/l	24.8 \pm 0.253	25.81 \pm 2.323	0.844	104	1.16
Sulfate (as SO ₄)	mg/l	32 \pm 0.308	31.69 \pm 3.486	1.06	98.9	-0.33
Total-P (as PO ₄)	mg/l	2.01 \pm 0.0245	1.95 \pm 0.137	0.151	97.1	-0.38
Total hardness	mmol/l	2.29 \pm 0.0232	2.64 \pm 0.132	0.0686	115	5.13
Total nitrogen	mg/l	7.29 \pm 0.23	7.36 \pm 1.25	0.605	101	0.12

Sample: N180BDOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.87 \pm 0.0629	2.95 \pm 0.443	0.287	103	0.28



Sample: N180A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	7.31 \pm 0.0254	7.26 \pm 0.218	0.146	99.3	-0.11
Ammonium (as NH ₄)	mg/l	0.0867 \pm 0.00322	0.081 \pm 0.013	0.0104	93.4	-0.22
Boron	mg/l	0.0592 \pm 0.00162	<0.05 \pm -	0.00652	-	-
Calcium	mg/l	168 \pm 1.9	171.6 \pm 13.72	5.2	102	0.14
Chloride	mg/l	110 \pm 0.63	108.7 \pm 7.61	4.41	98.6	-0.10
El. conductivity (25°C)	μ S/cm	1170 \pm 4.33	1189 \pm 23.78	15.3	101	0.32
Hydrogen carbonate	mg/l	445 \pm 1.63	443 \pm 44.3	8.9	99.5	-0.02
Magnesium	mg/l	39.8 \pm 0.541	41 \pm 5.329	1.59	103	0.12
Nitrate (as NO ₃)	mg/l	10.1 \pm 0.0896	10.3 \pm 0.721	0.507	102	0.11
Nitrite (as NO ₂)	mg/l	0.0307 \pm 0.00108	<0.033 \pm -	0.00307	-	-
Orthophosphate (as PO ₄)	mg/l	0.051 \pm 0.00379	<0.1251 \pm -	0.0102	-	-
pH-value	-	7.6 \pm 0.0251	7.57 \pm 0.227	0.152	99.6	-0.08
Potassium	mg/l	2.5 \pm 0.0456	2.63 \pm 0.316	0.13	105	0.21
Sodium	mg/l	23.3 \pm 0.188	23.88 \pm 2.149	0.791	103	0.14
Sulfate (as SO ₄)	mg/l	106 \pm 0.947	103.8 \pm 11.42	3.51	97.5	-0.12
Total-P (as PO ₄)	mg/l	0.145 \pm 0.00263	0.147 \pm 0.0103	0.0109	101	0.08
Total hardness	mmol/l	5.84 \pm 0.0648	5.94 \pm 0.297	0.175	102	0.17
Total nitrogen	mg/l	2.49 \pm 0.0962	2.41 \pm 0.41	0.207	96.6	-0.10

Sample: N180ADOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.55 \pm 0.082	1.72 \pm 0.258	0.186	111	0.32

Sample: N180B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	3.5 \pm 0.0202	3.66 \pm 0.11	0.0699	105	0.75

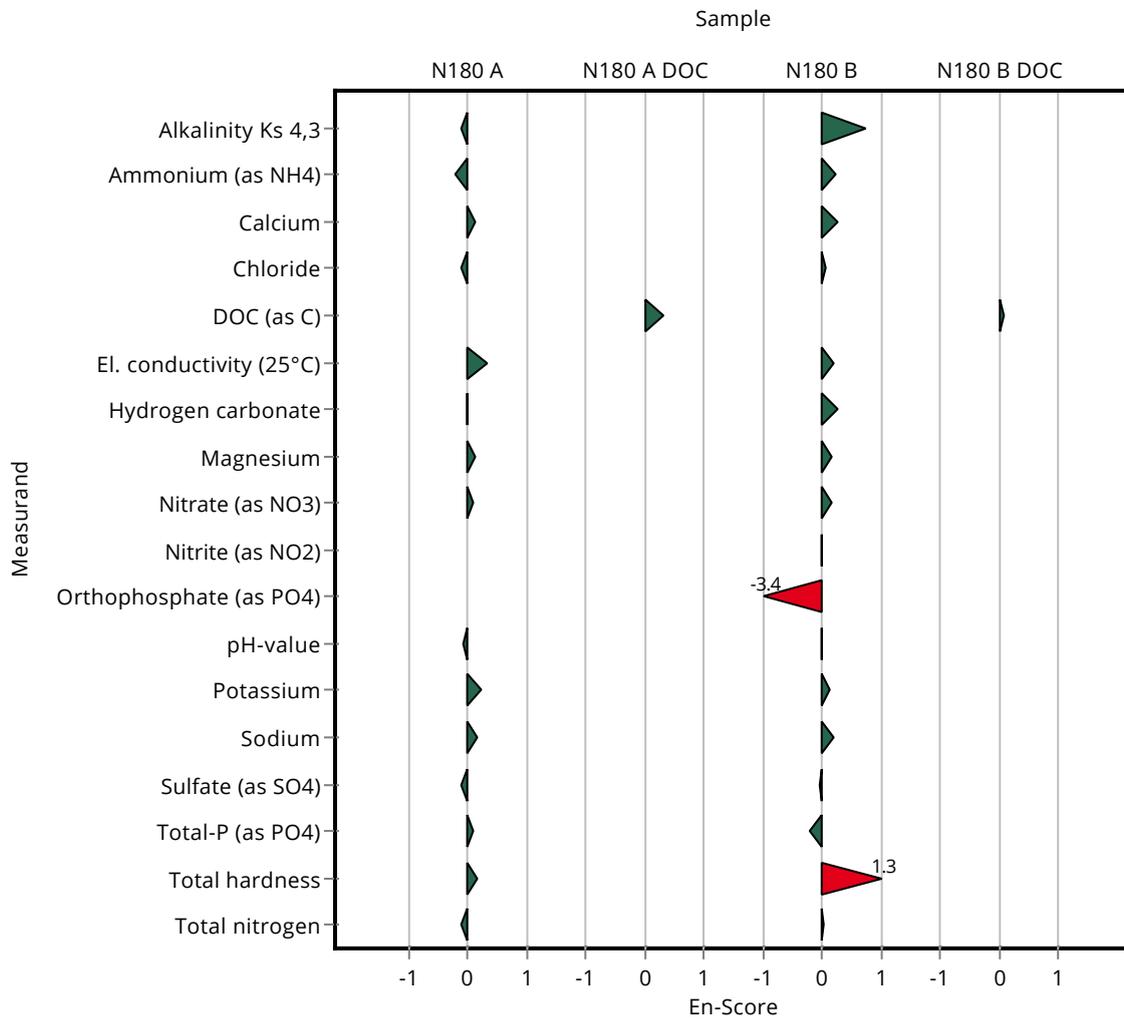
Summary of results Nutrients/Major Ions N180 - En-Score

Labcode: LC0042

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.29 \pm 0.0086	0.314 \pm 0.05	0.0348	108	0.24
Boron	mg/l	0.0162 \pm 0.000839	<0.05 \pm -	0.00179	-	-
Calcium	mg/l	65.6 \pm 0.729	68.35 \pm 5.47	2.03	104	0.25
Chloride	mg/l	41.2 \pm 0.375	41.5 \pm 2.9	1.65	101	0.06
El. conductivity (25°C)	μ S/cm	571 \pm 1.88	575 \pm 11.5	7.42	101	0.19
Hydrogen carbonate	mg/l	211 \pm 1.2	223 \pm 22.3	4.22	106	0.27
Magnesium	mg/l	15.8 \pm 0.174	16.52 \pm 2.148	0.632	105	0.17
Nitrate (as NO ₃)	mg/l	29.5 \pm 0.271	30.3 \pm 2.12	1.48	103	0.18
Nitrite (as NO ₂)	mg/l	0.385 \pm 0.00518	0.385 \pm 0.0539	0.0204	99.9	0.00
Orthophosphate (as PO ₄)	mg/l	0.411 \pm 0.051	0.178 \pm 0.0231	0.123	43.3	-3.39
pH-value	-	7.58 \pm 0.0328	7.57 \pm 0.227	0.152	99.9	-0.02
Potassium	mg/l	2.79 \pm 0.0421	2.89 \pm 0.347	0.145	103	0.14
Sodium	mg/l	24.8 \pm 0.253	25.81 \pm 2.323	0.844	104	0.21
Sulfate (as SO ₄)	mg/l	32 \pm 0.308	31.69 \pm 3.486	1.06	98.9	-0.05
Total-P (as PO ₄)	mg/l	2.01 \pm 0.0245	1.95 \pm 0.137	0.151	97.1	-0.21
Total hardness	mmol/l	2.29 \pm 0.0232	2.64 \pm 0.132	0.0686	115	1.33
Total nitrogen	mg/l	7.29 \pm 0.23	7.36 \pm 1.25	0.605	101	0.03

Sample: N180BDOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	2.87 \pm 0.0629	2.95 \pm 0.443	0.287	103	0.09



Sample: N180A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	7.31 \pm 0.0254	- \pm -	0.146	-	-
Ammonium (as NH ₄)	mg/l	0.0867 \pm 0.00322	<0.098 \pm -	0.0104	-	-
Boron	mg/l	0.0592 \pm 0.00162	- \pm -	0.00652	-	-
Calcium	mg/l	168 \pm 1.9	169 \pm 5.75	5.2	101	0.23
Chloride	mg/l	110 \pm 0.63	111 \pm 6.8	4.41	101	0.18
El. conductivity (25°C)	μ S/cm	1170 \pm 4.33	1177 \pm 28.9	15.3	100	0.20
Hydrogen carbonate	mg/l	445 \pm 1.63	- \pm -	8.9	-	-
Magnesium	mg/l	39.8 \pm 0.541	40.9 \pm 2.52	1.59	103	0.71
Nitrate (as NO ₃)	mg/l	10.1 \pm 0.0896	10.3 \pm 0.144	0.507	102	0.31
Nitrite (as NO ₂)	mg/l	0.0307 \pm 0.00108	<0.053 \pm -	0.00307	-	-
Orthophosphate (as PO ₄)	mg/l	0.051 \pm 0.00379	<0.095 \pm -	0.0102	-	-
pH-value	-	7.6 \pm 0.0251	7.69 \pm 0.117	0.152	101	0.56
Potassium	mg/l	2.5 \pm 0.0456	2.44 \pm 1.16	0.13	97.8	-0.43
Sodium	mg/l	23.3 \pm 0.188	23 \pm 4.21	0.791	98.9	-0.33
Sulfate (as SO ₄)	mg/l	106 \pm 0.947	106 \pm 9.05	3.51	99.6	-0.12
Total-P (as PO ₄)	mg/l	0.145 \pm 0.00263	- \pm -	0.0109	-	-
Total hardness	mmol/l	5.84 \pm 0.0648	- \pm -	0.175	-	-
Total nitrogen	mg/l	2.49 \pm 0.0962	- \pm -	0.207	-	-

Sample: N180ADOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.55 \pm 0.082	1.36 \pm 0.122	0.186	87.6	-1.03

Sample: N180B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	3.5 \pm 0.0202	- \pm -	0.0699	-	-

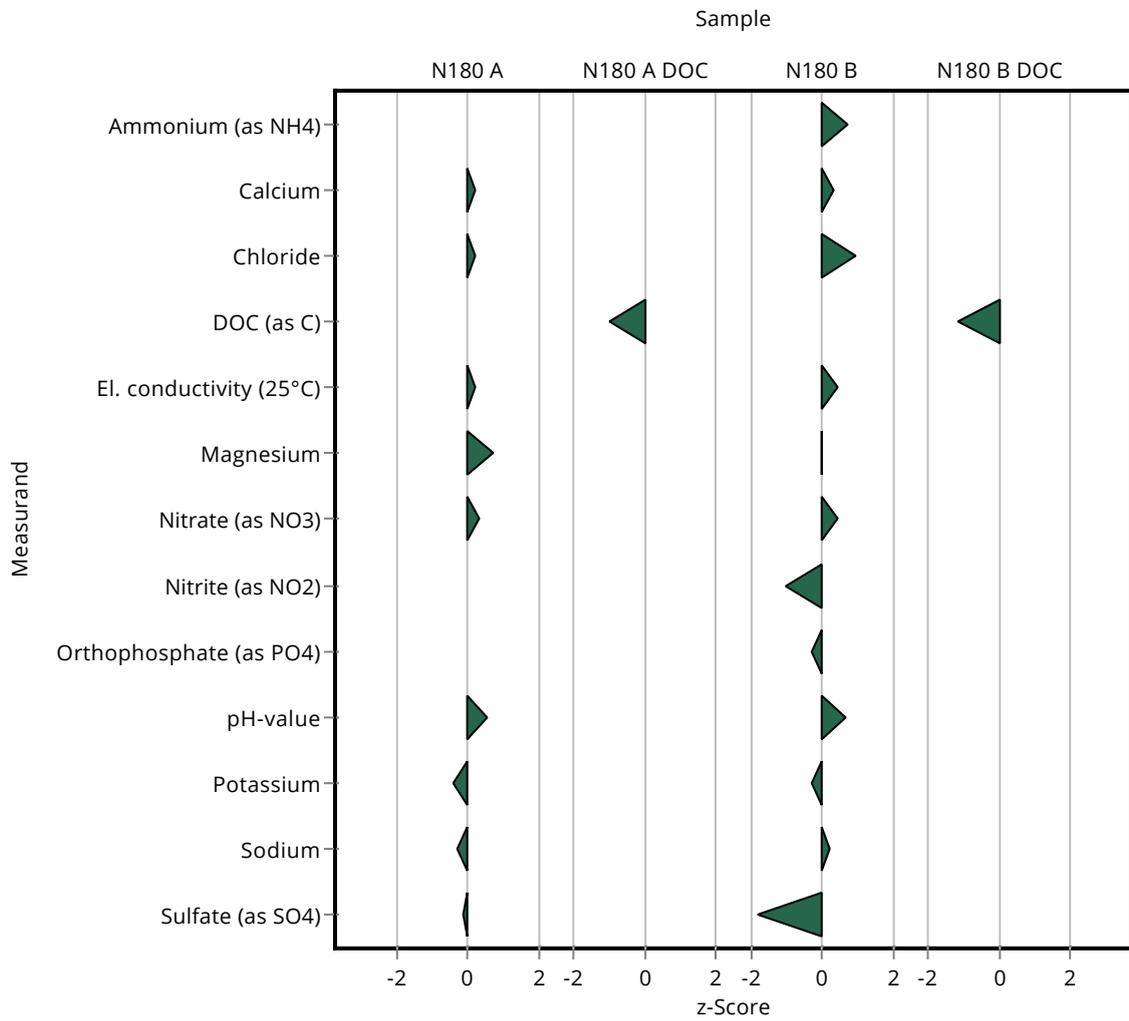
Summary of results Nutrients/Major Ions N180

Labcode: LC0043

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.29 \pm 0.0086	0.315 \pm 0.0132	0.0348	109	0.72
Boron	mg/l	0.0162 \pm 0.000839	- \pm -	0.00179	-	-
Calcium	mg/l	65.6 \pm 0.729	66.3 \pm 2.25	2.03	101	0.33
Chloride	mg/l	41.2 \pm 0.375	42.7 \pm 2.62	1.65	104	0.94
El. conductivity (25°C)	μ S/cm	571 \pm 1.88	574 \pm 14.1	7.42	101	0.46
Hydrogen carbonate	mg/l	211 \pm 1.2	- \pm -	4.22	-	-
Magnesium	mg/l	15.8 \pm 0.174	15.8 \pm 0.975	0.632	100	0.00
Nitrate (as NO ₃)	mg/l	29.5 \pm 0.271	30.2 \pm 0.423	1.48	102	0.44
Nitrite (as NO ₂)	mg/l	0.385 \pm 0.00518	0.365 \pm 0.0241	0.0204	94.7	-1.00
Orthophosphate (as PO ₄)	mg/l	0.411 \pm 0.051	0.374 \pm 0.0284	0.123	91	-0.30
pH-value	-	7.58 \pm 0.0328	7.68 \pm 0.117	0.152	101	0.67
Potassium	mg/l	2.79 \pm 0.0421	2.75 \pm 1.31	0.145	98.4	-0.31
Sodium	mg/l	24.8 \pm 0.253	25 \pm 4.87	0.844	101	0.20
Sulfate (as SO ₄)	mg/l	32 \pm 0.308	30.1 \pm 2.57	1.06	94	-1.83
Total-P (as PO ₄)	mg/l	2.01 \pm 0.0245	- \pm -	0.151	-	-
Total hardness	mmol/l	2.29 \pm 0.0232	- \pm -	0.0686	-	-
Total nitrogen	mg/l	7.29 \pm 0.23	- \pm -	0.605	-	-

Sample: N180BDOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.87 \pm 0.0629	2.54 \pm 0.228	0.287	88.5	-1.15



Sample: N180A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	7.31 \pm 0.0254	- \pm -	0.146	-	-
Ammonium (as NH ₄)	mg/l	0.0867 \pm 0.00322	<0.098 \pm -	0.0104	-	-
Boron	mg/l	0.0592 \pm 0.00162	- \pm -	0.00652	-	-
Calcium	mg/l	168 \pm 1.9	169 \pm 5.75	5.2	101	0.10
Chloride	mg/l	110 \pm 0.63	111 \pm 6.8	4.41	101	0.06
El. conductivity (25°C)	μ S/cm	1170 \pm 4.33	1177 \pm 28.9	15.3	100	0.05
Hydrogen carbonate	mg/l	445 \pm 1.63	- \pm -	8.9	-	-
Magnesium	mg/l	39.8 \pm 0.541	40.9 \pm 2.52	1.59	103	0.22
Nitrate (as NO ₃)	mg/l	10.1 \pm 0.0896	10.3 \pm 0.144	0.507	102	0.51
Nitrite (as NO ₂)	mg/l	0.0307 \pm 0.00108	<0.053 \pm -	0.00307	-	-
Orthophosphate (as PO ₄)	mg/l	0.051 \pm 0.00379	<0.095 \pm -	0.0102	-	-
pH-value	-	7.6 \pm 0.0251	7.69 \pm 0.117	0.152	101	0.36
Potassium	mg/l	2.5 \pm 0.0456	2.44 \pm 1.16	0.13	97.8	-0.02
Sodium	mg/l	23.3 \pm 0.188	23 \pm 4.21	0.791	98.9	-0.03
Sulfate (as SO ₄)	mg/l	106 \pm 0.947	106 \pm 9.05	3.51	99.6	-0.02
Total-P (as PO ₄)	mg/l	0.145 \pm 0.00263	- \pm -	0.0109	-	-
Total hardness	mmol/l	5.84 \pm 0.0648	- \pm -	0.175	-	-
Total nitrogen	mg/l	2.49 \pm 0.0962	- \pm -	0.207	-	-

Sample: N180ADOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.55 \pm 0.082	1.36 \pm 0.122	0.186	87.6	-0.75

Sample: N180B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	3.5 \pm 0.0202	- \pm -	0.0699	-	-

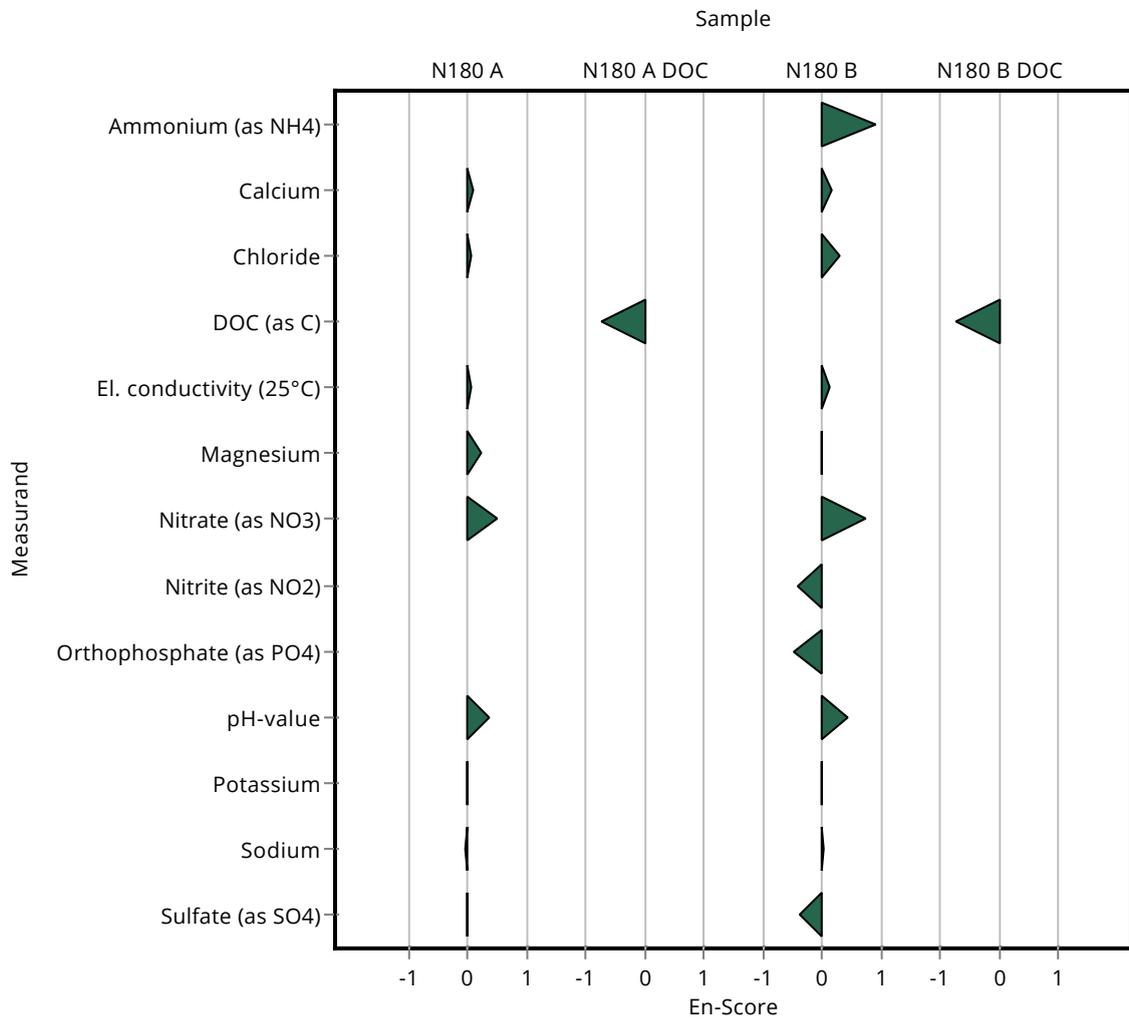
Summary of results Nutrients/Major Ions N180 - En-Score

Labcode: LC0043

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.29 \pm 0.0086	0.315 \pm 0.0132	0.0348	109	0.90
Boron	mg/l	0.0162 \pm 0.000839	- \pm -	0.00179	-	-
Calcium	mg/l	65.6 \pm 0.729	66.3 \pm 2.25	2.03	101	0.15
Chloride	mg/l	41.2 \pm 0.375	42.7 \pm 2.62	1.65	104	0.29
El. conductivity (25°C)	μ S/cm	571 \pm 1.88	574 \pm 14.1	7.42	101	0.12
Hydrogen carbonate	mg/l	211 \pm 1.2	- \pm -	4.22	-	-
Magnesium	mg/l	15.8 \pm 0.174	15.8 \pm 0.975	0.632	100	0.00
Nitrate (as NO ₃)	mg/l	29.5 \pm 0.271	30.2 \pm 0.423	1.48	102	0.74
Nitrite (as NO ₂)	mg/l	0.385 \pm 0.00518	0.365 \pm 0.0241	0.0204	94.7	-0.42
Orthophosphate (as PO ₄)	mg/l	0.411 \pm 0.051	0.374 \pm 0.0284	0.123	91	-0.49
pH-value	-	7.58 \pm 0.0328	7.68 \pm 0.117	0.152	101	0.43
Potassium	mg/l	2.79 \pm 0.0421	2.75 \pm 1.31	0.145	98.4	-0.02
Sodium	mg/l	24.8 \pm 0.253	25 \pm 4.87	0.844	101	0.02
Sulfate (as SO ₄)	mg/l	32 \pm 0.308	30.1 \pm 2.57	1.06	94	-0.38
Total-P (as PO ₄)	mg/l	2.01 \pm 0.0245	- \pm -	0.151	-	-
Total hardness	mmol/l	2.29 \pm 0.0232	- \pm -	0.0686	-	-
Total nitrogen	mg/l	7.29 \pm 0.23	- \pm -	0.605	-	-

Sample: N180BDOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	2.87 \pm 0.0629	2.54 \pm 0.228	0.287	88.5	-0.72



Sample: N180A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	7.31 \pm 0.0254	6.924 \pm 0.692	0.146	94.7	-2.64
Ammonium (as NH ₄)	mg/l	0.0867 \pm 0.00322	0.41 \pm 0.02	0.0104	473	31.05
Boron	mg/l	0.0592 \pm 0.00162	0.057 \pm 0.0083	0.00652	96.2	-0.34
Calcium	mg/l	168 \pm 1.9	170.5 \pm 24.7	5.2	102	0.52
Chloride	mg/l	110 \pm 0.63	114.6 \pm 5.2	4.41	104	1.00
El. conductivity (25°C)	μ S/cm	1170 \pm 4.33	1169 \pm 66	15.3	99.6	-0.32
Hydrogen carbonate	mg/l	445 \pm 1.63	- \pm -	8.9	-	-
Magnesium	mg/l	39.8 \pm 0.541	39.9 \pm 2.9	1.59	100	0.08
Nitrate (as NO ₃)	mg/l	10.1 \pm 0.0896	10 \pm 0.74	0.507	98.6	-0.29
Nitrite (as NO ₂)	mg/l	0.0307 \pm 0.00108	0.0306 \pm 0.0021	0.00307	99.8	-0.02
Orthophosphate (as PO ₄)	mg/l	0.051 \pm 0.00379	<0.05 \pm -	0.0102	-	-
pH-value	-	7.6 \pm 0.0251	7.52 \pm 0.1	0.152	98.9	-0.55
Potassium	mg/l	2.5 \pm 0.0456	2.643 \pm 0.152	0.13	106	1.14
Sodium	mg/l	23.3 \pm 0.188	25.2 \pm 1.4	0.791	108	2.46
Sulfate (as SO ₄)	mg/l	106 \pm 0.947	102.3 \pm 5	3.51	96.1	-1.18
Total-P (as PO ₄)	mg/l	0.145 \pm 0.00263	0.135 \pm 0.0056	0.0109	92.9	-0.94
Total hardness	mmol/l	5.84 \pm 0.0648	5.904 \pm 0.59	0.175	101	0.37
Total nitrogen	mg/l	2.49 \pm 0.0962	2.35 \pm 0.16	0.207	94.2	-0.69

Sample: N180ADOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.55 \pm 0.082	2.335 \pm 0.192	0.186	150	4.20

Sample: N180B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	3.5 \pm 0.0202	3.487 \pm 0.349	0.0699	99.8	-0.12

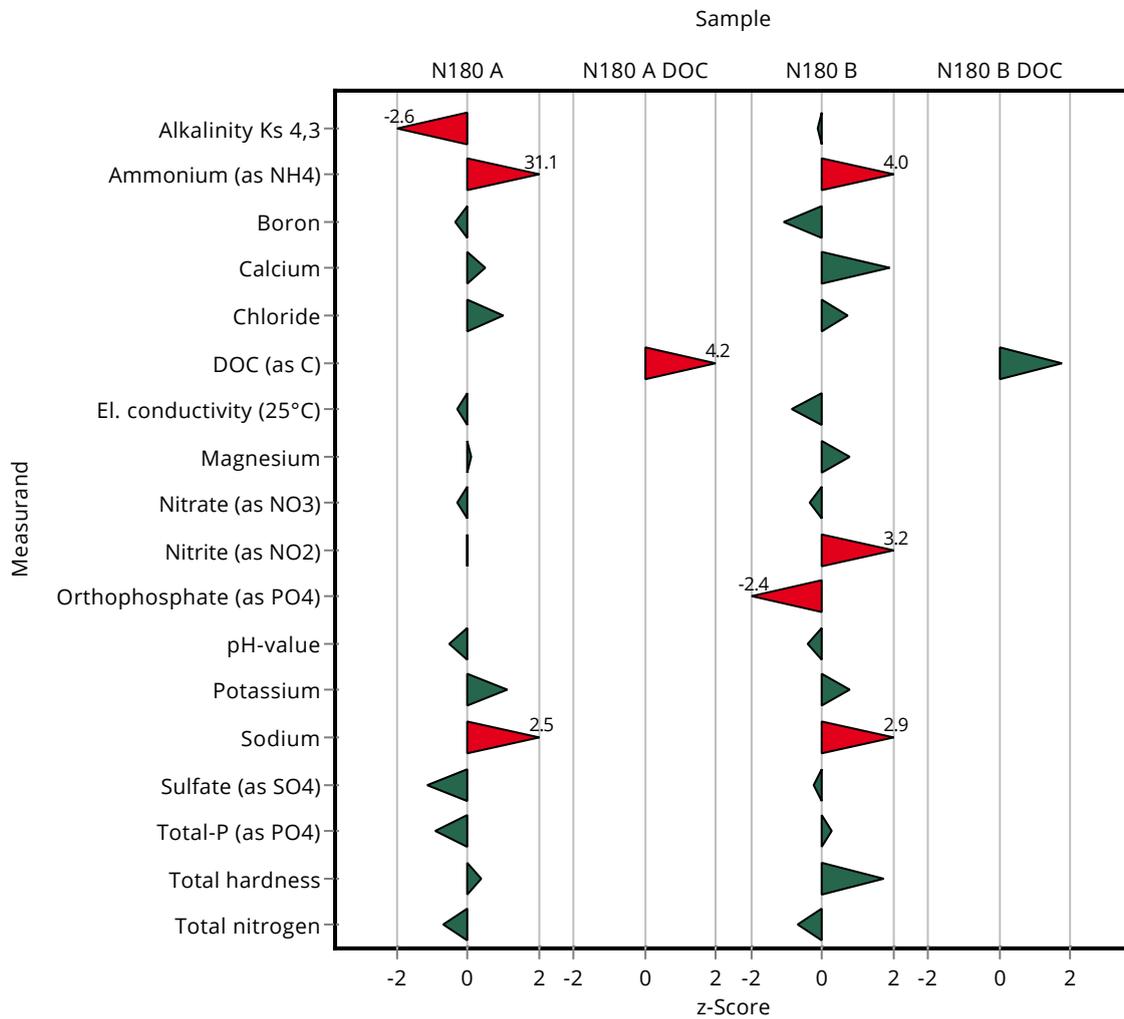
Summary of results Nutrients/Major Ions N180

Labcode: LC0044

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.29 \pm 0.0086	0.43 \pm 0.021	0.0348	148	4.02
Boron	mg/l	0.0162 \pm 0.000839	0.0143 \pm 0.0021	0.00179	88.1	-1.08
Calcium	mg/l	65.6 \pm 0.729	69.5 \pm 10.1	2.03	106	1.90
Chloride	mg/l	41.2 \pm 0.375	42.35 \pm 1.92	1.65	103	0.72
El. conductivity (25°C)	μ S/cm	571 \pm 1.88	564 \pm 32	7.42	98.8	-0.89
Hydrogen carbonate	mg/l	211 \pm 1.2	- \pm -	4.22	-	-
Magnesium	mg/l	15.8 \pm 0.174	16.3 \pm 1.2	0.632	103	0.80
Nitrate (as NO ₃)	mg/l	29.5 \pm 0.271	29 \pm 2.2	1.48	98.2	-0.37
Nitrite (as NO ₂)	mg/l	0.385 \pm 0.00518	0.451 \pm 0.031	0.0204	117	3.21
Orthophosphate (as PO ₄)	mg/l	0.411 \pm 0.051	0.114 \pm 0.023	0.123	27.7	-2.41
pH-value	-	7.58 \pm 0.0328	7.52 \pm 0.1	0.152	99.2	-0.38
Potassium	mg/l	2.79 \pm 0.0421	2.906 \pm 0.167	0.145	104	0.77
Sodium	mg/l	24.8 \pm 0.253	27.3 \pm 1.6	0.844	110	2.93
Sulfate (as SO ₄)	mg/l	32 \pm 0.308	31.76 \pm 1.56	1.06	99.1	-0.26
Total-P (as PO ₄)	mg/l	2.01 \pm 0.0245	2.047 \pm 0.085	0.151	102	0.26
Total hardness	mmol/l	2.29 \pm 0.0232	2.408 \pm 0.241	0.0686	105	1.75
Total nitrogen	mg/l	7.29 \pm 0.23	6.86 \pm 0.48	0.605	94.1	-0.71

Sample: N180BDOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.87 \pm 0.0629	3.385 \pm 0.28	0.287	118	1.79



Sample: N180A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	7.31 \pm 0.0254	6.924 \pm 0.692	0.146	94.7	-0.28
Ammonium (as NH4)	mg/l	0.0867 \pm 0.00322	0.41 \pm 0.02	0.0104	473	8.06
Boron	mg/l	0.0592 \pm 0.00162	0.057 \pm 0.0083	0.00652	96.2	-0.13
Calcium	mg/l	168 \pm 1.9	170.5 \pm 24.7	5.2	102	0.05
Chloride	mg/l	110 \pm 0.63	114.6 \pm 5.2	4.41	104	0.42
El. conductivity (25°C)	μ S/cm	1170 \pm 4.33	1169 \pm 66	15.3	99.6	-0.04
Hydrogen carbonate	mg/l	445 \pm 1.63	- \pm -	8.9	-	-
Magnesium	mg/l	39.8 \pm 0.541	39.9 \pm 2.9	1.59	100	0.02
Nitrate (as NO3)	mg/l	10.1 \pm 0.0896	10 \pm 0.74	0.507	98.6	-0.10
Nitrite (as NO2)	mg/l	0.0307 \pm 0.00108	0.0306 \pm 0.0021	0.00307	99.8	-0.02
Orthophosphate (as PO4)	mg/l	0.051 \pm 0.00379	<0.05 \pm -	0.0102	-	-
pH-value	-	7.6 \pm 0.0251	7.52 \pm 0.1	0.152	98.9	-0.42
Potassium	mg/l	2.5 \pm 0.0456	2.643 \pm 0.152	0.13	106	0.48
Sodium	mg/l	23.3 \pm 0.188	25.2 \pm 1.4	0.791	108	0.69
Sulfate (as SO4)	mg/l	106 \pm 0.947	102.3 \pm 5	3.51	96.1	-0.41
Total-P (as PO4)	mg/l	0.145 \pm 0.00263	0.135 \pm 0.0056	0.0109	92.9	-0.89
Total hardness	mmol/l	5.84 \pm 0.0648	5.904 \pm 0.59	0.175	101	0.05
Total nitrogen	mg/l	2.49 \pm 0.0962	2.35 \pm 0.16	0.207	94.2	-0.43

Sample: N180ADOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.55 \pm 0.082	2.335 \pm 0.192	0.186	150	1.99

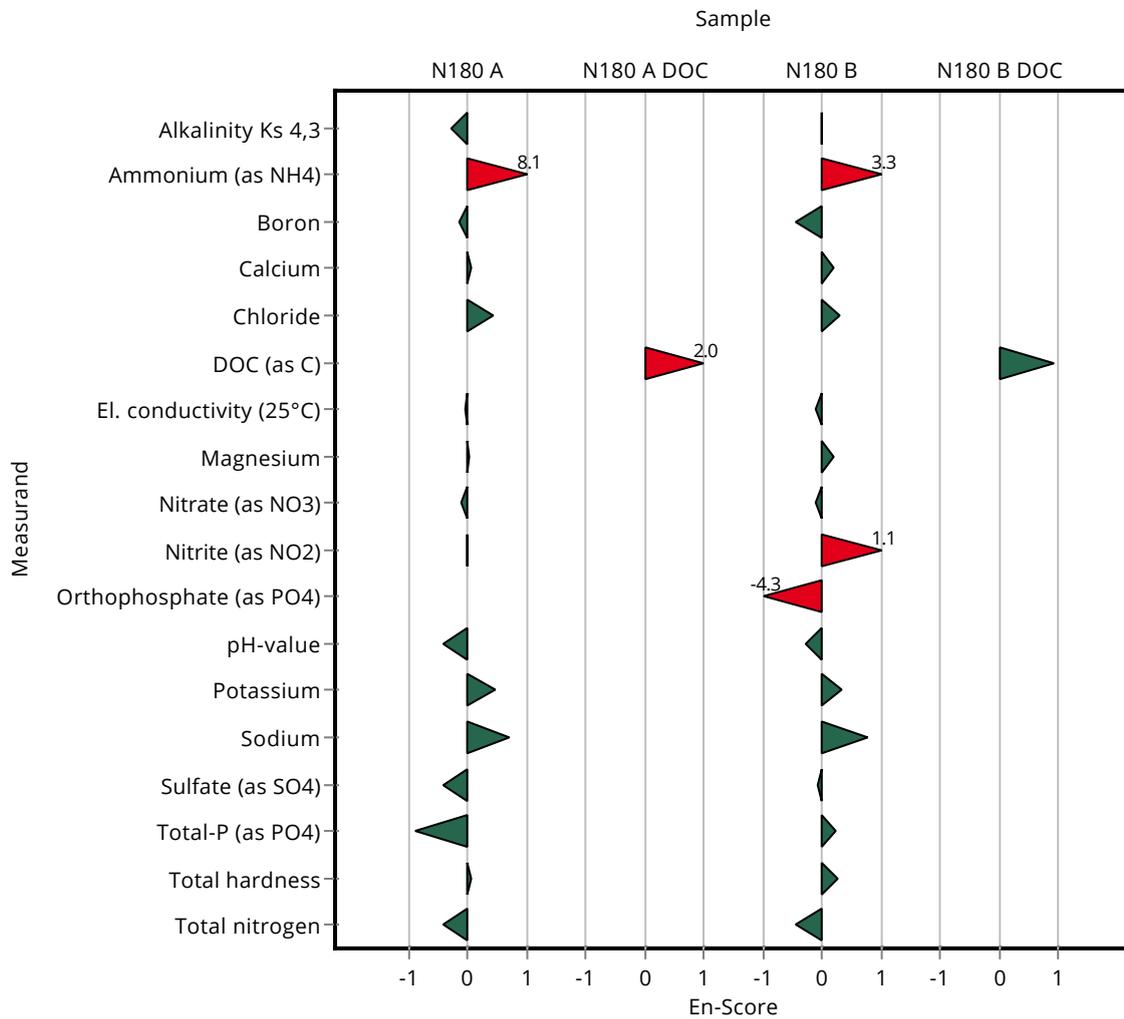
Sample: N180B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	3.5 \pm 0.0202	3.487 \pm 0.349	0.0699	99.8	-0.01

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.29 \pm 0.0086	0.43 \pm 0.021	0.0348	148	3.27
Boron	mg/l	0.0162 \pm 0.000839	0.0143 \pm 0.0021	0.00179	88.1	-0.45
Calcium	mg/l	65.6 \pm 0.729	69.5 \pm 10.1	2.03	106	0.19
Chloride	mg/l	41.2 \pm 0.375	42.35 \pm 1.92	1.65	103	0.31
El. conductivity (25°C)	μ S/cm	571 \pm 1.88	564 \pm 32	7.42	98.8	-0.10
Hydrogen carbonate	mg/l	211 \pm 1.2	- \pm -	4.22	-	-
Magnesium	mg/l	15.8 \pm 0.174	16.3 \pm 1.2	0.632	103	0.21
Nitrate (as NO ₃)	mg/l	29.5 \pm 0.271	29 \pm 2.2	1.48	98.2	-0.12
Nitrite (as NO ₂)	mg/l	0.385 \pm 0.00518	0.451 \pm 0.031	0.0204	117	1.05
Orthophosphate (as PO ₄)	mg/l	0.411 \pm 0.051	0.114 \pm 0.023	0.123	27.7	-4.33
pH-value	-	7.58 \pm 0.0328	7.52 \pm 0.1	0.152	99.2	-0.29
Potassium	mg/l	2.79 \pm 0.0421	2.906 \pm 0.167	0.145	104	0.33
Sodium	mg/l	24.8 \pm 0.253	27.3 \pm 1.6	0.844	110	0.77
Sulfate (as SO ₄)	mg/l	32 \pm 0.308	31.76 \pm 1.56	1.06	99.1	-0.09
Total-P (as PO ₄)	mg/l	2.01 \pm 0.0245	2.047 \pm 0.085	0.151	102	0.23
Total hardness	mmol/l	2.29 \pm 0.0232	2.408 \pm 0.241	0.0686	105	0.25
Total nitrogen	mg/l	7.29 \pm 0.23	6.86 \pm 0.48	0.605	94.1	-0.43

Sample: N180BDOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	2.87 \pm 0.0629	3.385 \pm 0.28	0.287	118	0.91



Sample: N180A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	7.31 \pm 0.0254	7.23 \pm 0.217	0.146	98.9	-0.55
Ammonium (as NH ₄)	mg/l	0.0867 \pm 0.00322	0.102 \pm 0.0027	0.0104	118	1.47
Boron	mg/l	0.0592 \pm 0.00162	- \pm -	0.00652	-	-
Calcium	mg/l	168 \pm 1.9	177.98 \pm 9	5.2	106	1.96
Chloride	mg/l	110 \pm 0.63	107.05 \pm 5	4.41	97.2	-0.71
El. conductivity (25°C)	μ S/cm	1170 \pm 4.33	1180 \pm 24	15.3	101	0.40
Hydrogen carbonate	mg/l	445 \pm 1.63	438.09 \pm 13	8.9	98.4	-0.80
Magnesium	mg/l	39.8 \pm 0.541	40.94 \pm 2	1.59	103	0.74
Nitrate (as NO ₃)	mg/l	10.1 \pm 0.0896	11.802 \pm 0.6	0.507	116	3.27
Nitrite (as NO ₂)	mg/l	0.0307 \pm 0.00108	0.03 \pm 0.0009	0.00307	97.8	-0.22
Orthophosphate (as PO ₄)	mg/l	0.051 \pm 0.00379	0.0306 \pm 0.0018	0.0102	60	-2.00
pH-value	-	7.6 \pm 0.0251	7.58 \pm 0.1	0.152	99.7	-0.16
Potassium	mg/l	2.5 \pm 0.0456	- \pm -	0.13	-	-
Sodium	mg/l	23.3 \pm 0.188	23.22 \pm 1.2	0.791	99.8	-0.05
Sulfate (as SO ₄)	mg/l	106 \pm 0.947	104.82 \pm 5	3.51	98.5	-0.46
Total-P (as PO ₄)	mg/l	0.145 \pm 0.00263	- \pm -	0.0109	-	-
Total hardness	mmol/l	5.84 \pm 0.0648	6.125 \pm 0.24	0.175	105	1.63
Total nitrogen	mg/l	2.49 \pm 0.0962	- \pm -	0.207	-	-

Sample: N180ADOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.55 \pm 0.082	1.62 \pm 0.07	0.186	104	0.36

Sample: N180B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	3.5 \pm 0.0202	3.46 \pm 0.104	0.0699	99	-0.50

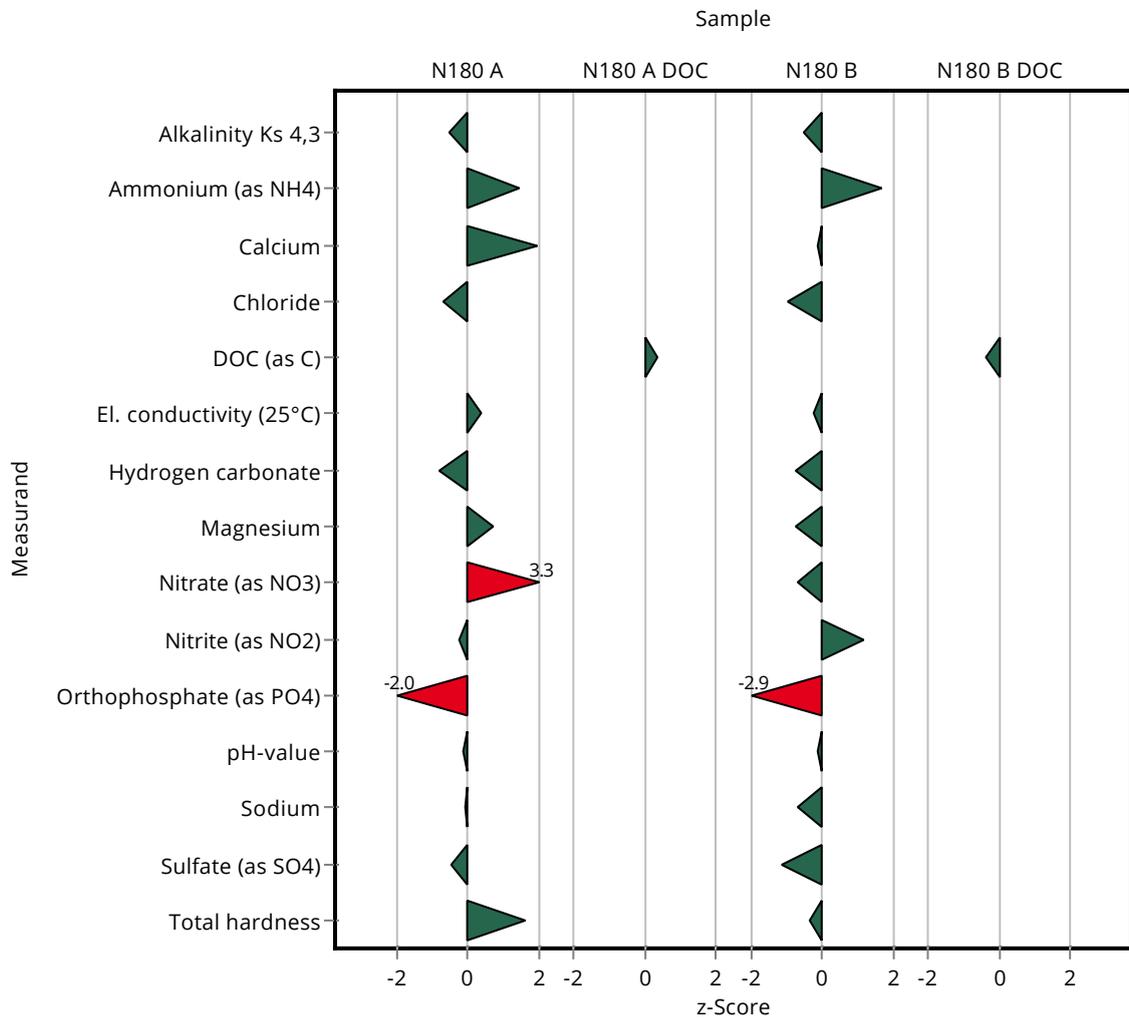
Summary of results Nutrients/Major Ions N180

Labcode: LC0045

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.29 \pm 0.0086	0.348 \pm 0.0027	0.0348	120	1.67
Boron	mg/l	0.0162 \pm 0.000839	- \pm -	0.00179	-	-
Calcium	mg/l	65.6 \pm 0.729	65.41 \pm 3	2.03	99.7	-0.11
Chloride	mg/l	41.2 \pm 0.375	39.6 \pm 2	1.65	96.2	-0.95
El. conductivity (25°C)	μ S/cm	571 \pm 1.88	569 \pm 12	7.42	99.7	-0.21
Hydrogen carbonate	mg/l	211 \pm 1.2	208.06 \pm 6.3	4.22	98.6	-0.72
Magnesium	mg/l	15.8 \pm 0.174	15.33 \pm 0.8	0.632	97	-0.74
Nitrate (as NO ₃)	mg/l	29.5 \pm 0.271	28.488 \pm 1.5	1.48	96.4	-0.72
Nitrite (as NO ₂)	mg/l	0.385 \pm 0.00518	0.41 \pm 0.004	0.0204	106	1.20
Orthophosphate (as PO ₄)	mg/l	0.411 \pm 0.051	0.0556 \pm 0.0018	0.123	13.5	-2.88
pH-value	-	7.58 \pm 0.0328	7.56 \pm 0.1	0.152	99.8	-0.12
Potassium	mg/l	2.79 \pm 0.0421	- \pm -	0.145	-	-
Sodium	mg/l	24.8 \pm 0.253	24.26 \pm 1.3	0.844	97.7	-0.67
Sulfate (as SO ₄)	mg/l	32 \pm 0.308	30.85 \pm 1.7	1.06	96.3	-1.12
Total-P (as PO ₄)	mg/l	2.01 \pm 0.0245	- \pm -	0.151	-	-
Total hardness	mmol/l	2.29 \pm 0.0232	2.263 \pm 0.089	0.0686	98.9	-0.36
Total nitrogen	mg/l	7.29 \pm 0.23	- \pm -	0.605	-	-

Sample: N180BDOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.87 \pm 0.0629	2.76 \pm 0.15	0.287	96.1	-0.39



Sample: N180A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	7.31 \pm 0.0254	7.23 \pm 0.217	0.146	98.9	-0.18
Ammonium (as NH ₄)	mg/l	0.0867 \pm 0.00322	0.102 \pm 0.0027	0.0104	118	2.43
Boron	mg/l	0.0592 \pm 0.00162	- \pm -	0.00652	-	-
Calcium	mg/l	168 \pm 1.9	177.98 \pm 9	5.2	106	0.56
Chloride	mg/l	110 \pm 0.63	107.05 \pm 5	4.41	97.2	-0.31
El. conductivity (25°C)	μ S/cm	1170 \pm 4.33	1180 \pm 24	15.3	101	0.13
Hydrogen carbonate	mg/l	445 \pm 1.63	438.09 \pm 13	8.9	98.4	-0.27
Magnesium	mg/l	39.8 \pm 0.541	40.94 \pm 2	1.59	103	0.29
Nitrate (as NO ₃)	mg/l	10.1 \pm 0.0896	11.802 \pm 0.6	0.507	116	1.38
Nitrite (as NO ₂)	mg/l	0.0307 \pm 0.00108	0.03 \pm 0.0009	0.00307	97.8	-0.32
Orthophosphate (as PO ₄)	mg/l	0.051 \pm 0.00379	0.0306 \pm 0.0018	0.0102	60	-3.91
pH-value	-	7.6 \pm 0.0251	7.58 \pm 0.1	0.152	99.7	-0.12
Potassium	mg/l	2.5 \pm 0.0456	- \pm -	0.13	-	-
Sodium	mg/l	23.3 \pm 0.188	23.22 \pm 1.2	0.791	99.8	-0.02
Sulfate (as SO ₄)	mg/l	106 \pm 0.947	104.82 \pm 5	3.51	98.5	-0.16
Total-P (as PO ₄)	mg/l	0.145 \pm 0.00263	- \pm -	0.0109	-	-
Total hardness	mmol/l	5.84 \pm 0.0648	6.125 \pm 0.24	0.175	105	0.59
Total nitrogen	mg/l	2.49 \pm 0.0962	- \pm -	0.207	-	-

Sample: N180ADOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.55 \pm 0.082	1.62 \pm 0.07	0.186	104	0.42

Sample: N180B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	3.5 \pm 0.0202	3.46 \pm 0.104	0.0699	99	-0.17

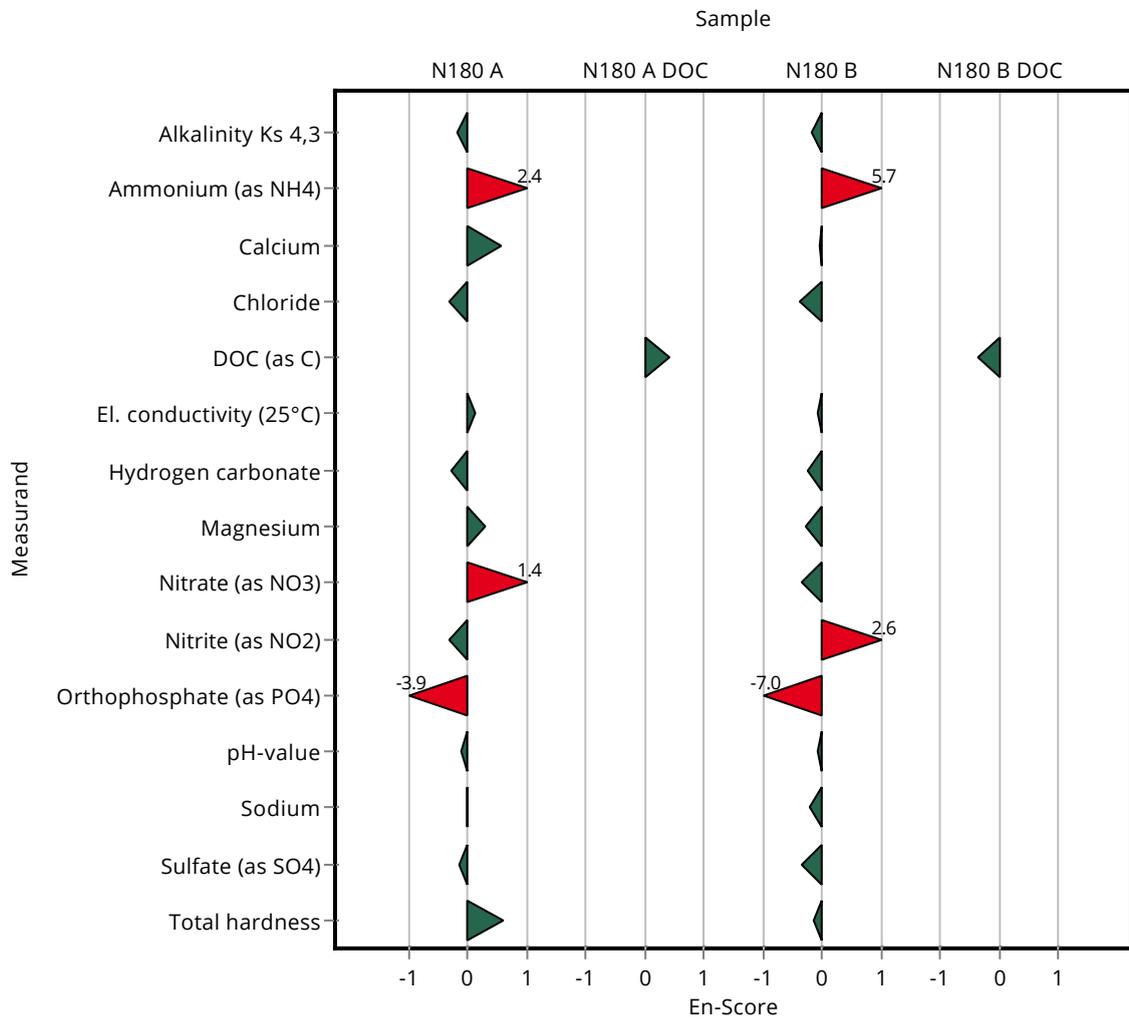
Summary of results Nutrients/Major Ions N180 - En-Score

Labcode: LC0045

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.29 \pm 0.0086	0.348 \pm 0.0027	0.0348	120	5.71
Boron	mg/l	0.0162 \pm 0.000839	- \pm -	0.00179	-	-
Calcium	mg/l	65.6 \pm 0.729	65.41 \pm 3	2.03	99.7	-0.04
Chloride	mg/l	41.2 \pm 0.375	39.6 \pm 2	1.65	96.2	-0.39
El. conductivity (25°C)	μ S/cm	571 \pm 1.88	569 \pm 12	7.42	99.7	-0.07
Hydrogen carbonate	mg/l	211 \pm 1.2	208.06 \pm 6.3	4.22	98.6	-0.24
Magnesium	mg/l	15.8 \pm 0.174	15.33 \pm 0.8	0.632	97	-0.29
Nitrate (as NO ₃)	mg/l	29.5 \pm 0.271	28.488 \pm 1.5	1.48	96.4	-0.35
Nitrite (as NO ₂)	mg/l	0.385 \pm 0.00518	0.41 \pm 0.004	0.0204	106	2.57
Orthophosphate (as PO ₄)	mg/l	0.411 \pm 0.051	0.0556 \pm 0.0018	0.123	13.5	-6.96
pH-value	-	7.58 \pm 0.0328	7.56 \pm 0.1	0.152	99.8	-0.09
Potassium	mg/l	2.79 \pm 0.0421	- \pm -	0.145	-	-
Sodium	mg/l	24.8 \pm 0.253	24.26 \pm 1.3	0.844	97.7	-0.22
Sulfate (as SO ₄)	mg/l	32 \pm 0.308	30.85 \pm 1.7	1.06	96.3	-0.35
Total-P (as PO ₄)	mg/l	2.01 \pm 0.0245	- \pm -	0.151	-	-
Total hardness	mmol/l	2.29 \pm 0.0232	2.263 \pm 0.089	0.0686	98.9	-0.14
Total nitrogen	mg/l	7.29 \pm 0.23	- \pm -	0.605	-	-

Sample: N180BDOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	2.87 \pm 0.0629	2.76 \pm 0.15	0.287	96.1	-0.36



Sample: N180A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	7.31 \pm 0.0254	7.36 \pm 0.21	0.146	101	0.34
Ammonium (as NH ₄)	mg/l	0.0867 \pm 0.00322	0.09 \pm 0.014	0.0104	104	0.31
Boron	mg/l	0.0592 \pm 0.00162	- \pm -	0.00652	-	-
Calcium	mg/l	168 \pm 1.9	- \pm -	5.2	-	-
Chloride	mg/l	110 \pm 0.63	107.92 \pm 1.1	4.41	97.9	-0.51
El. conductivity (25°C)	μ S/cm	1170 \pm 4.33	1188 \pm 8.4	15.3	101	0.92
Hydrogen carbonate	mg/l	445 \pm 1.63	447 \pm 6.5	8.9	100	0.20
Magnesium	mg/l	39.8 \pm 0.541	- \pm -	1.59	-	-
Nitrate (as NO ₃)	mg/l	10.1 \pm 0.0896	10.13 \pm 0.69	0.507	99.9	-0.03
Nitrite (as NO ₂)	mg/l	0.0307 \pm 0.00108	0.0308 \pm 0.0031	0.00307	100	0.04
Orthophosphate (as PO ₄)	mg/l	0.051 \pm 0.00379	0.053 \pm 0.0062	0.0102	104	0.19
pH-value	-	7.6 \pm 0.0251	7.64 \pm 0.01	0.152	100	0.24
Potassium	mg/l	2.5 \pm 0.0456	- \pm -	0.13	-	-
Sodium	mg/l	23.3 \pm 0.188	- \pm -	0.791	-	-
Sulfate (as SO ₄)	mg/l	106 \pm 0.947	- \pm -	3.51	-	-
Total-P (as PO ₄)	mg/l	0.145 \pm 0.00263	0.147 \pm 0.019	0.0109	101	0.16
Total hardness	mmol/l	5.84 \pm 0.0648	- \pm -	0.175	-	-
Total nitrogen	mg/l	2.49 \pm 0.0962	- \pm -	0.207	-	-

Sample: N180ADOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.55 \pm 0.082	- \pm -	0.186	-	-

Sample: N180B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	3.5 \pm 0.0202	3.5 \pm 0.1	0.0699	100	0.07

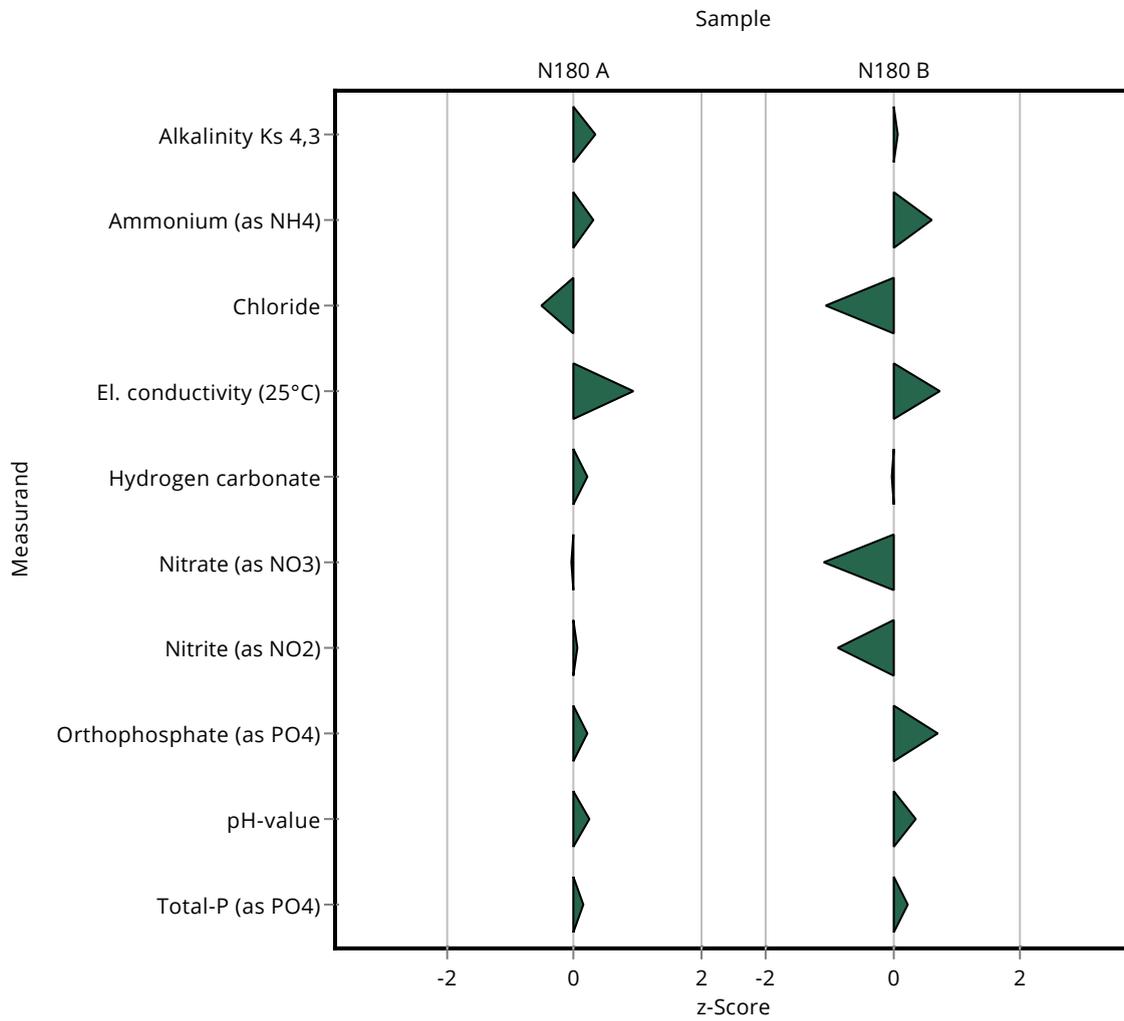
Summary of results Nutrients/Major Ions N180

Labcode: LC0046

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.29 \pm 0.0086	0.311 \pm 0.047	0.0348	107	0.60
Boron	mg/l	0.0162 \pm 0.000839	- \pm -	0.00179	-	-
Calcium	mg/l	65.6 \pm 0.729	- \pm -	2.03	-	-
Chloride	mg/l	41.2 \pm 0.375	39.41 \pm 0.4	1.65	95.7	-1.06
El. conductivity (25°C)	μ S/cm	571 \pm 1.88	576 \pm 4.1	7.42	101	0.73
Hydrogen carbonate	mg/l	211 \pm 1.2	211 \pm 3	4.22	100	-0.02
Magnesium	mg/l	15.8 \pm 0.174	- \pm -	0.632	-	-
Nitrate (as NO ₃)	mg/l	29.5 \pm 0.271	27.92 \pm 1.91	1.48	94.5	-1.10
Nitrite (as NO ₂)	mg/l	0.385 \pm 0.00518	0.368 \pm 0.037	0.0204	95.5	-0.86
Orthophosphate (as PO ₄)	mg/l	0.411 \pm 0.051	0.496 \pm 0.058	0.123	121	0.69
pH-value	-	7.58 \pm 0.0328	7.63 \pm 0.01	0.152	101	0.34
Potassium	mg/l	2.79 \pm 0.0421	- \pm -	0.145	-	-
Sodium	mg/l	24.8 \pm 0.253	- \pm -	0.844	-	-
Sulfate (as SO ₄)	mg/l	32 \pm 0.308	- \pm -	1.06	-	-
Total-P (as PO ₄)	mg/l	2.01 \pm 0.0245	2.04 \pm 0.27	0.151	102	0.22
Total hardness	mmol/l	2.29 \pm 0.0232	- \pm -	0.0686	-	-
Total nitrogen	mg/l	7.29 \pm 0.23	- \pm -	0.605	-	-

Sample: N180BDOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.87 \pm 0.0629	- \pm -	0.287	-	-



Sample: N180A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	7.31 \pm 0.0254	7.36 \pm 0.21	0.146	101	0.12
Ammonium (as NH ₄)	mg/l	0.0867 \pm 0.00322	0.09 \pm 0.014	0.0104	104	0.12
Boron	mg/l	0.0592 \pm 0.00162	- \pm -	0.00652	-	-
Calcium	mg/l	168 \pm 1.9	- \pm -	5.2	-	-
Chloride	mg/l	110 \pm 0.63	107.92 \pm 1.1	4.41	97.9	-0.99
El. conductivity (25°C)	μ S/cm	1170 \pm 4.33	1188 \pm 8.4	15.3	101	0.81
Hydrogen carbonate	mg/l	445 \pm 1.63	447 \pm 6.5	8.9	100	0.14
Magnesium	mg/l	39.8 \pm 0.541	- \pm -	1.59	-	-
Nitrate (as NO ₃)	mg/l	10.1 \pm 0.0896	10.13 \pm 0.69	0.507	99.9	-0.01
Nitrite (as NO ₂)	mg/l	0.0307 \pm 0.00108	0.0308 \pm 0.0031	0.00307	100	0.02
Orthophosphate (as PO ₄)	mg/l	0.051 \pm 0.00379	0.053 \pm 0.0062	0.0102	104	0.15
pH-value	-	7.6 \pm 0.0251	7.64 \pm 0.01	0.152	100	1.12
Potassium	mg/l	2.5 \pm 0.0456	- \pm -	0.13	-	-
Sodium	mg/l	23.3 \pm 0.188	- \pm -	0.791	-	-
Sulfate (as SO ₄)	mg/l	106 \pm 0.947	- \pm -	3.51	-	-
Total-P (as PO ₄)	mg/l	0.145 \pm 0.00263	0.147 \pm 0.019	0.0109	101	0.04
Total hardness	mmol/l	5.84 \pm 0.0648	- \pm -	0.175	-	-
Total nitrogen	mg/l	2.49 \pm 0.0962	- \pm -	0.207	-	-

Sample: N180ADOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.55 \pm 0.082	- \pm -	0.186	-	-

Sample: N180B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	3.5 \pm 0.0202	3.5 \pm 0.1	0.0699	100	0.02

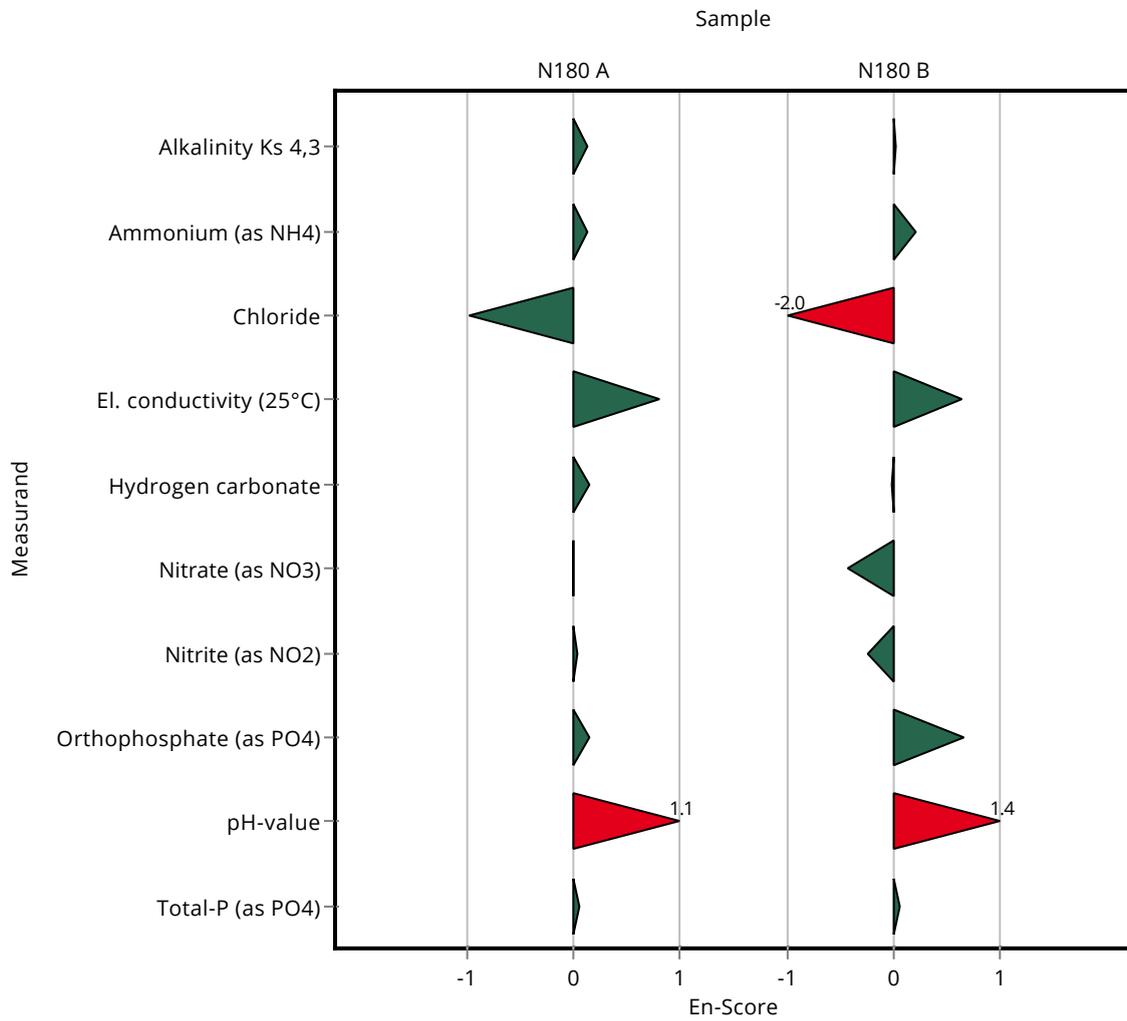
Summary of results Nutrients/Major Ions N180 - En-Score

Labcode: LC0046

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En- Score
Ammonium (as NH ₄)	mg/l	0.29 \pm 0.0086	0.311 \pm 0.047	0.0348	107	0.22
Boron	mg/l	0.0162 \pm 0.000839	- \pm -	0.00179	-	-
Calcium	mg/l	65.6 \pm 0.729	- \pm -	2.03	-	-
Chloride	mg/l	41.2 \pm 0.375	39.41 \pm 0.4	1.65	95.7	-1.98
El. conductivity (25°C)	μ S/cm	571 \pm 1.88	576 \pm 4.1	7.42	101	0.64
Hydrogen carbonate	mg/l	211 \pm 1.2	211 \pm 3	4.22	100	-0.02
Magnesium	mg/l	15.8 \pm 0.174	- \pm -	0.632	-	-
Nitrate (as NO ₃)	mg/l	29.5 \pm 0.271	27.92 \pm 1.91	1.48	94.5	-0.42
Nitrite (as NO ₂)	mg/l	0.385 \pm 0.00518	0.368 \pm 0.037	0.0204	95.5	-0.24
Orthophosphate (as PO ₄)	mg/l	0.411 \pm 0.051	0.496 \pm 0.058	0.123	121	0.67
pH-value	-	7.58 \pm 0.0328	7.63 \pm 0.01	0.152	101	1.36
Potassium	mg/l	2.79 \pm 0.0421	- \pm -	0.145	-	-
Sodium	mg/l	24.8 \pm 0.253	- \pm -	0.844	-	-
Sulfate (as SO ₄)	mg/l	32 \pm 0.308	- \pm -	1.06	-	-
Total-P (as PO ₄)	mg/l	2.01 \pm 0.0245	2.04 \pm 0.27	0.151	102	0.06
Total hardness	mmol/l	2.29 \pm 0.0232	- \pm -	0.0686	-	-
Total nitrogen	mg/l	7.29 \pm 0.23	- \pm -	0.605	-	-

Sample: N180BDOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En- Score
DOC (as C)	mg/l	2.87 \pm 0.0629	- \pm -	0.287	-	-



Sample: N180A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	7.31 \pm 0.0254	7.33 \pm 0.73	0.146	100	0.14
Ammonium (as NH ₄)	mg/l	0.0867 \pm 0.00322	0.0739 \pm 0.004	0.0104	85.2	-1.23
Boron	mg/l	0.0592 \pm 0.00162	0.0609 \pm 0.018	0.00652	103	0.26
Calcium	mg/l	168 \pm 1.9	160.7 \pm 32.2	5.2	95.8	-1.37
Chloride	mg/l	110 \pm 0.63	108.15 \pm 10.82	4.41	98.1	-0.46
El. conductivity (25°C)	μ S/cm	1170 \pm 4.33	1175 \pm 10	15.3	100	0.07
Hydrogen carbonate	mg/l	445 \pm 1.63	447.3 \pm 44.7	8.9	100	0.24
Magnesium	mg/l	39.8 \pm 0.541	39.4 \pm 7.9	1.59	99.1	-0.23
Nitrate (as NO ₃)	mg/l	10.1 \pm 0.0896	10.29 \pm 1.03	0.507	101	0.29
Nitrite (as NO ₂)	mg/l	0.0307 \pm 0.00108	0.0282 \pm 0.0017	0.00307	92	-0.80
Orthophosphate (as PO ₄)	mg/l	0.051 \pm 0.00379	0.0435 \pm 0.003	0.0102	85.2	-0.74
pH-value	-	7.6 \pm 0.0251	7.75 \pm 0.1	0.152	102	0.96
Potassium	mg/l	2.5 \pm 0.0456	2.55 \pm 0.51	0.13	102	0.42
Sodium	mg/l	23.3 \pm 0.188	23.2 \pm 3.5	0.791	99.8	-0.07
Sulfate (as SO ₄)	mg/l	106 \pm 0.947	105.99 \pm 10.6	3.51	99.6	-0.13
Total-P (as PO ₄)	mg/l	0.145 \pm 0.00263	0.1521 \pm 0.0105	0.0109	105	0.63
Total hardness	mmol/l	5.84 \pm 0.0648	5.64 \pm 0.56	0.175	96.6	-1.14
Total nitrogen	mg/l	2.49 \pm 0.0962	- \pm -	0.207	-	-

Sample: N180ADOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.55 \pm 0.082	2.422 \pm 0.24	0.186	156	4.67

Sample: N180B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	3.5 \pm 0.0202	3.45 \pm 0.35	0.0699	98.7	-0.65

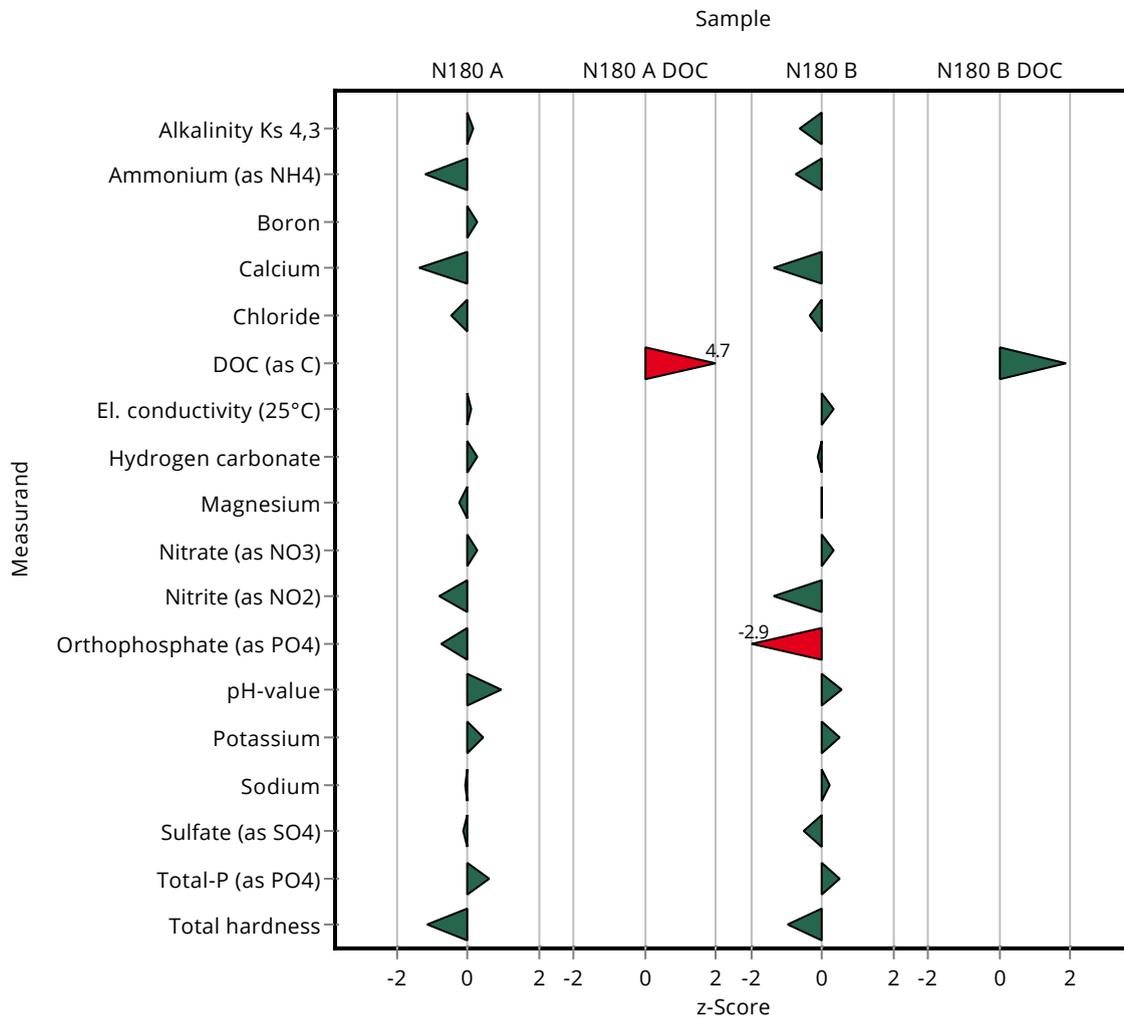
Summary of results Nutrients/Major Ions N180

Labcode: LC0047

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.29 \pm 0.0086	0.2649 \pm 0.0143	0.0348	91.4	-0.72
Boron	mg/l	0.0162 \pm 0.000839	<0.02 \pm -	0.00179	-	-
Calcium	mg/l	65.6 \pm 0.729	62.9 \pm 12.6	2.03	95.8	-1.35
Chloride	mg/l	41.2 \pm 0.375	40.6 \pm 4.06	1.65	98.6	-0.34
El. conductivity (25°C)	μ S/cm	571 \pm 1.88	573 \pm 10	7.42	100	0.33
Hydrogen carbonate	mg/l	211 \pm 1.2	210.5 \pm 21.1	4.22	99.7	-0.14
Magnesium	mg/l	15.8 \pm 0.174	15.8 \pm 3.2	0.632	100	0.00
Nitrate (as NO ₃)	mg/l	29.5 \pm 0.271	29.99 \pm 3	1.48	102	0.30
Nitrite (as NO ₂)	mg/l	0.385 \pm 0.00518	0.3578 \pm 0.0219	0.0204	92.8	-1.35
Orthophosphate (as PO ₄)	mg/l	0.411 \pm 0.051	0.0574 \pm 0.004	0.123	14	-2.87
pH-value	-	7.58 \pm 0.0328	7.66 \pm 0.1	0.152	101	0.54
Potassium	mg/l	2.79 \pm 0.0421	2.87 \pm 0.58	0.145	103	0.52
Sodium	mg/l	24.8 \pm 0.253	25 \pm 3.8	0.844	101	0.20
Sulfate (as SO ₄)	mg/l	32 \pm 0.308	31.5 \pm 3.15	1.06	98.3	-0.51
Total-P (as PO ₄)	mg/l	2.01 \pm 0.0245	2.0805 \pm 0.1442	0.151	104	0.49
Total hardness	mmol/l	2.29 \pm 0.0232	2.22 \pm 0.22	0.0686	97	-0.99
Total nitrogen	mg/l	7.29 \pm 0.23	- \pm -	0.605	-	-

Sample: N180BDOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.87 \pm 0.0629	3.411 \pm 0.34	0.287	119	1.88



Sample: N180A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	7.31 \pm 0.0254	7.33 \pm 0.73	0.146	100	0.01
Ammonium (as NH ₄)	mg/l	0.0867 \pm 0.00322	0.0739 \pm 0.004	0.0104	85.2	-1.49
Boron	mg/l	0.0592 \pm 0.00162	0.0609 \pm 0.018	0.00652	103	0.05
Calcium	mg/l	168 \pm 1.9	160.7 \pm 32.2	5.2	95.8	-0.11
Chloride	mg/l	110 \pm 0.63	108.15 \pm 10.82	4.41	98.1	-0.09
El. conductivity (25°C)	μ S/cm	1170 \pm 4.33	1175 \pm 10	15.3	100	0.05
Hydrogen carbonate	mg/l	445 \pm 1.63	447.3 \pm 44.7	8.9	100	0.02
Magnesium	mg/l	39.8 \pm 0.541	39.4 \pm 7.9	1.59	99.1	-0.02
Nitrate (as NO ₃)	mg/l	10.1 \pm 0.0896	10.29 \pm 1.03	0.507	101	0.07
Nitrite (as NO ₂)	mg/l	0.0307 \pm 0.00108	0.0282 \pm 0.0017	0.00307	92	-0.69
Orthophosphate (as PO ₄)	mg/l	0.051 \pm 0.00379	0.0435 \pm 0.003	0.0102	85.2	-1.06
pH-value	-	7.6 \pm 0.0251	7.75 \pm 0.1	0.152	102	0.72
Potassium	mg/l	2.5 \pm 0.0456	2.55 \pm 0.51	0.13	102	0.05
Sodium	mg/l	23.3 \pm 0.188	23.2 \pm 3.5	0.791	99.8	-0.01
Sulfate (as SO ₄)	mg/l	106 \pm 0.947	105.99 \pm 10.6	3.51	99.6	-0.02
Total-P (as PO ₄)	mg/l	0.145 \pm 0.00263	0.1521 \pm 0.0105	0.0109	105	0.32
Total hardness	mmol/l	5.84 \pm 0.0648	5.64 \pm 0.56	0.175	96.6	-0.18
Total nitrogen	mg/l	2.49 \pm 0.0962	- \pm -	0.207	-	-

Sample: N180ADOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.55 \pm 0.082	2.422 \pm 0.24	0.186	156	1.79

Sample: N180B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	3.5 \pm 0.0202	3.45 \pm 0.35	0.0699	98.7	-0.06

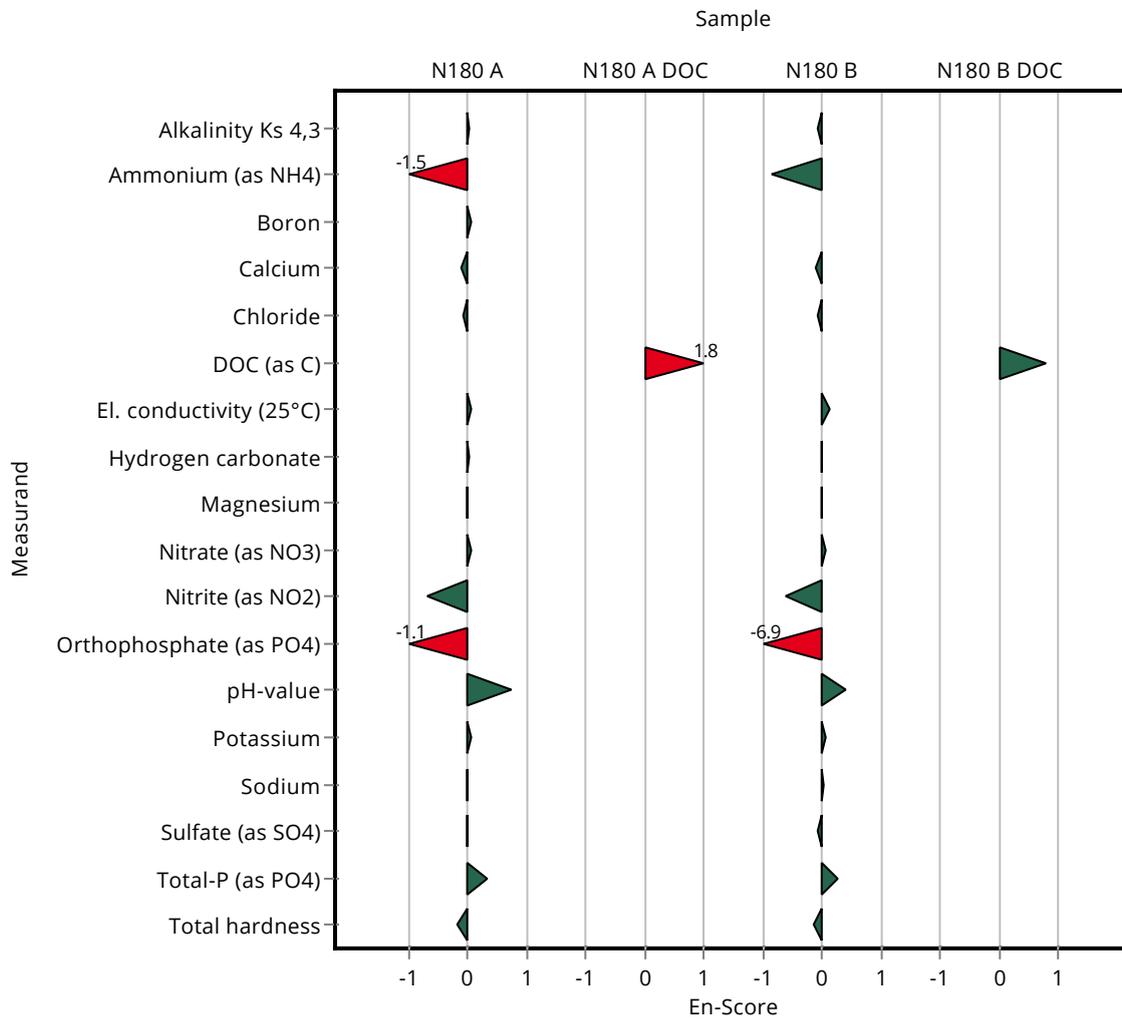
Summary of results Nutrients/Major Ions N180 - En-Score

Labcode: LC0047

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.29 \pm 0.0086	0.2649 \pm 0.0143	0.0348	91.4	-0.84
Boron	mg/l	0.0162 \pm 0.000839	<0.02 \pm -	0.00179	-	-
Calcium	mg/l	65.6 \pm 0.729	62.9 \pm 12.6	2.03	95.8	-0.11
Chloride	mg/l	41.2 \pm 0.375	40.6 \pm 4.06	1.65	98.6	-0.07
El. conductivity (25°C)	μ S/cm	571 \pm 1.88	573 \pm 10	7.42	100	0.12
Hydrogen carbonate	mg/l	211 \pm 1.2	210.5 \pm 21.1	4.22	99.7	-0.01
Magnesium	mg/l	15.8 \pm 0.174	15.8 \pm 3.2	0.632	100	0.00
Nitrate (as NO ₃)	mg/l	29.5 \pm 0.271	29.99 \pm 3	1.48	102	0.07
Nitrite (as NO ₂)	mg/l	0.385 \pm 0.00518	0.3578 \pm 0.0219	0.0204	92.8	-0.63
Orthophosphate (as PO ₄)	mg/l	0.411 \pm 0.051	0.0574 \pm 0.004	0.123	14	-6.86
pH-value	-	7.58 \pm 0.0328	7.66 \pm 0.1	0.152	101	0.41
Potassium	mg/l	2.79 \pm 0.0421	2.87 \pm 0.58	0.145	103	0.06
Sodium	mg/l	24.8 \pm 0.253	25 \pm 3.8	0.844	101	0.02
Sulfate (as SO ₄)	mg/l	32 \pm 0.308	31.5 \pm 3.15	1.06	98.3	-0.08
Total-P (as PO ₄)	mg/l	2.01 \pm 0.0245	2.0805 \pm 0.1442	0.151	104	0.25
Total hardness	mmol/l	2.29 \pm 0.0232	2.22 \pm 0.22	0.0686	97	-0.15
Total nitrogen	mg/l	7.29 \pm 0.23	- \pm -	0.605	-	-

Sample: N180BDOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	2.87 \pm 0.0629	3.411 \pm 0.34	0.287	119	0.79



Sample: N180A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	7.31 \pm 0.0254	7.269 \pm 0.0406	0.146	99.4	-0.28
Ammonium (as NH ₄)	mg/l	0.0867 \pm 0.00322	- \pm -	0.0104	-	-
Boron	mg/l	0.0592 \pm 0.00162	- \pm -	0.00652	-	-
Calcium	mg/l	168 \pm 1.9	- \pm -	5.2	-	-
Chloride	mg/l	110 \pm 0.63	- \pm -	4.41	-	-
El. conductivity (25°C)	μ S/cm	1170 \pm 4.33	1189 \pm 0.001	15.3	101	0.99
Hydrogen carbonate	mg/l	445 \pm 1.63	- \pm -	8.9	-	-
Magnesium	mg/l	39.8 \pm 0.541	- \pm -	1.59	-	-
Nitrate (as NO ₃)	mg/l	10.1 \pm 0.0896	- \pm -	0.507	-	-
Nitrite (as NO ₂)	mg/l	0.0307 \pm 0.00108	- \pm -	0.00307	-	-
Orthophosphate (as PO ₄)	mg/l	0.051 \pm 0.00379	- \pm -	0.0102	-	-
pH-value	-	7.6 \pm 0.0251	7.61 \pm 0.001	0.152	100	0.04
Potassium	mg/l	2.5 \pm 0.0456	- \pm -	0.13	-	-
Sodium	mg/l	23.3 \pm 0.188	- \pm -	0.791	-	-
Sulfate (as SO ₄)	mg/l	106 \pm 0.947	- \pm -	3.51	-	-
Total-P (as PO ₄)	mg/l	0.145 \pm 0.00263	- \pm -	0.0109	-	-
Total hardness	mmol/l	5.84 \pm 0.0648	- \pm -	0.175	-	-
Total nitrogen	mg/l	2.49 \pm 0.0962	- \pm -	0.207	-	-

Sample: N180ADOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.55 \pm 0.082	- \pm -	0.186	-	-

Sample: N180B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	3.5 \pm 0.0202	3.471 \pm 0.0406	0.0699	99.3	-0.35

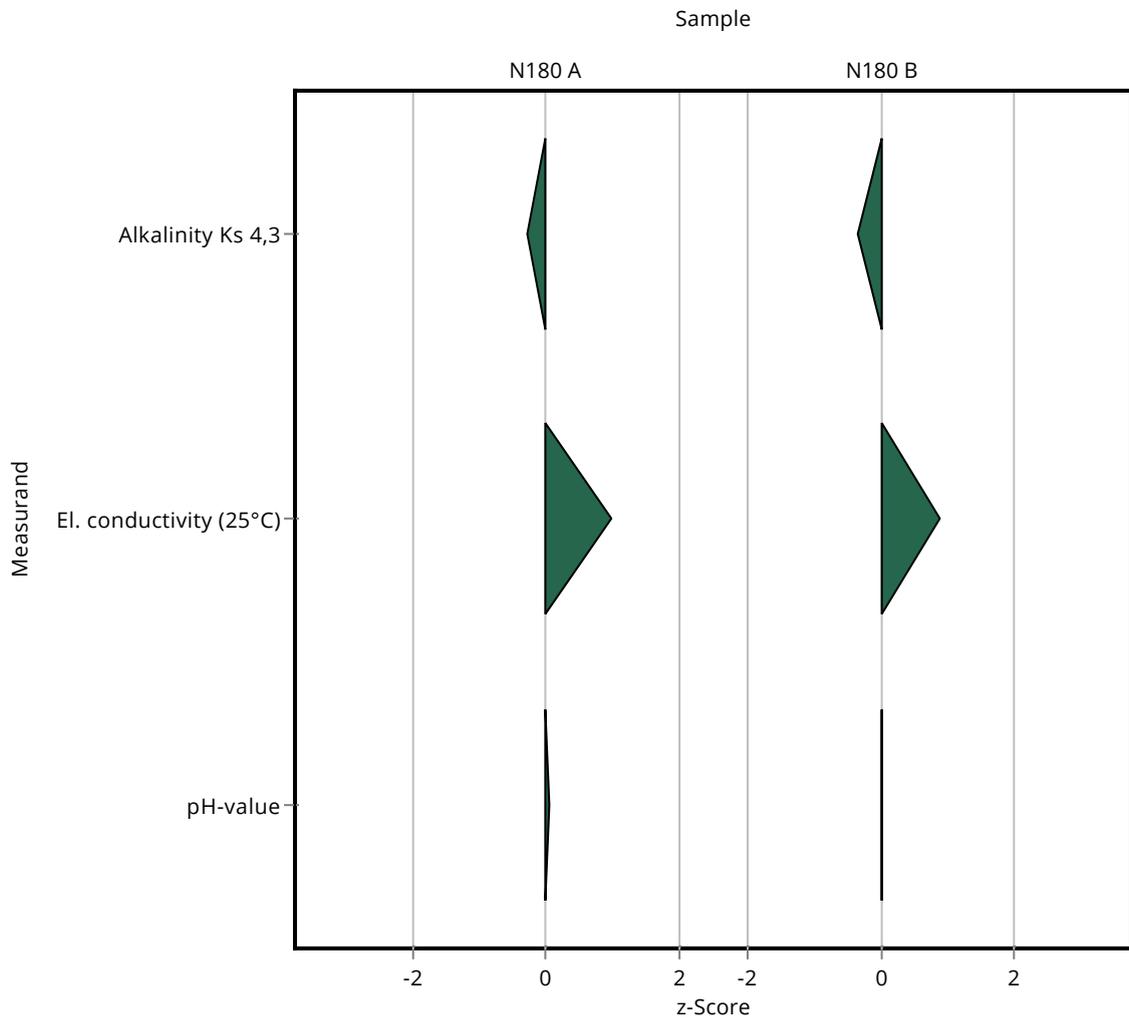
Summary of results Nutrients/Major Ions N180

Labcode: LC0048

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.29 \pm 0.0086	- \pm -	0.0348	-	-
Boron	mg/l	0.0162 \pm 0.000839	- \pm -	0.00179	-	-
Calcium	mg/l	65.6 \pm 0.729	- \pm -	2.03	-	-
Chloride	mg/l	41.2 \pm 0.375	- \pm -	1.65	-	-
El. conductivity (25°C)	μ S/cm	571 \pm 1.88	577 \pm 0.001	7.42	101	0.87
Hydrogen carbonate	mg/l	211 \pm 1.2	- \pm -	4.22	-	-
Magnesium	mg/l	15.8 \pm 0.174	- \pm -	0.632	-	-
Nitrate (as NO ₃)	mg/l	29.5 \pm 0.271	- \pm -	1.48	-	-
Nitrite (as NO ₂)	mg/l	0.385 \pm 0.00518	- \pm -	0.0204	-	-
Orthophosphate (as PO ₄)	mg/l	0.411 \pm 0.051	- \pm -	0.123	-	-
pH-value	-	7.58 \pm 0.0328	7.58 \pm 0.001	0.152	100	0.01
Potassium	mg/l	2.79 \pm 0.0421	- \pm -	0.145	-	-
Sodium	mg/l	24.8 \pm 0.253	- \pm -	0.844	-	-
Sulfate (as SO ₄)	mg/l	32 \pm 0.308	- \pm -	1.06	-	-
Total-P (as PO ₄)	mg/l	2.01 \pm 0.0245	- \pm -	0.151	-	-
Total hardness	mmol/l	2.29 \pm 0.0232	- \pm -	0.0686	-	-
Total nitrogen	mg/l	7.29 \pm 0.23	- \pm -	0.605	-	-

Sample: N180BDOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.87 \pm 0.0629	- \pm -	0.287	-	-



Sample: N180A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	7.31 \pm 0.0254	7.269 \pm 0.0406	0.146	99.4	-0.48
Ammonium (as NH ₄)	mg/l	0.0867 \pm 0.00322	- \pm -	0.0104	-	-
Boron	mg/l	0.0592 \pm 0.00162	- \pm -	0.00652	-	-
Calcium	mg/l	168 \pm 1.9	- \pm -	5.2	-	-
Chloride	mg/l	110 \pm 0.63	- \pm -	4.41	-	-
El. conductivity (25°C)	μ S/cm	1170 \pm 4.33	1189 \pm 0.001	15.3	101	3.48
Hydrogen carbonate	mg/l	445 \pm 1.63	- \pm -	8.9	-	-
Magnesium	mg/l	39.8 \pm 0.541	- \pm -	1.59	-	-
Nitrate (as NO ₃)	mg/l	10.1 \pm 0.0896	- \pm -	0.507	-	-
Nitrite (as NO ₂)	mg/l	0.0307 \pm 0.00108	- \pm -	0.00307	-	-
Orthophosphate (as PO ₄)	mg/l	0.051 \pm 0.00379	- \pm -	0.0102	-	-
pH-value	-	7.6 \pm 0.0251	7.61 \pm 0.001	0.152	100	0.23
Potassium	mg/l	2.5 \pm 0.0456	- \pm -	0.13	-	-
Sodium	mg/l	23.3 \pm 0.188	- \pm -	0.791	-	-
Sulfate (as SO ₄)	mg/l	106 \pm 0.947	- \pm -	3.51	-	-
Total-P (as PO ₄)	mg/l	0.145 \pm 0.00263	- \pm -	0.0109	-	-
Total hardness	mmol/l	5.84 \pm 0.0648	- \pm -	0.175	-	-
Total nitrogen	mg/l	2.49 \pm 0.0962	- \pm -	0.207	-	-

Sample: N180ADOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.55 \pm 0.082	- \pm -	0.186	-	-

Sample: N180B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	3.5 \pm 0.0202	3.471 \pm 0.0406	0.0699	99.3	-0.29

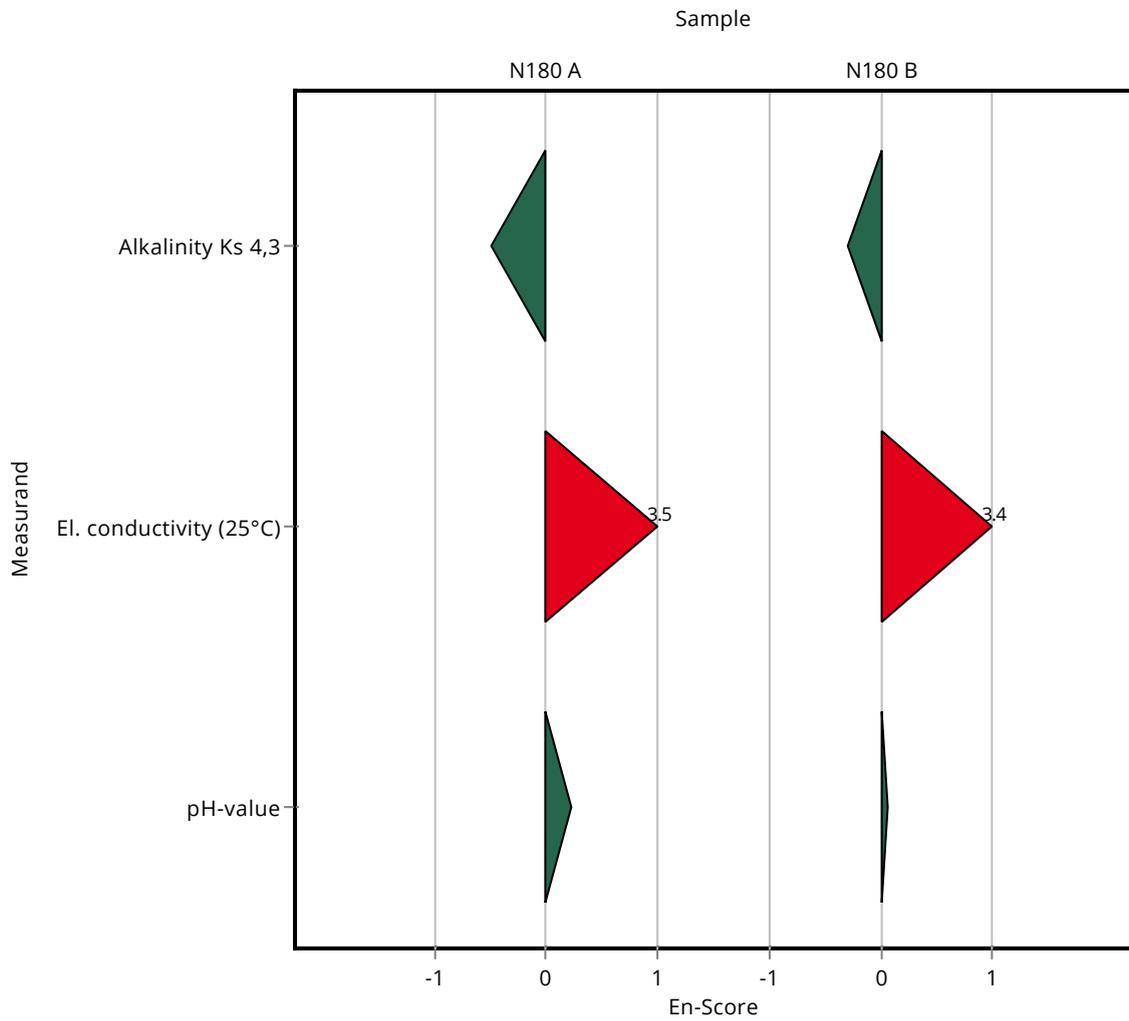
Summary of results Nutrients/Major Ions N180 - En-Score

Labcode: LC0048

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.29 \pm 0.0086	- \pm -	0.0348	-	-
Boron	mg/l	0.0162 \pm 0.000839	- \pm -	0.00179	-	-
Calcium	mg/l	65.6 \pm 0.729	- \pm -	2.03	-	-
Chloride	mg/l	41.2 \pm 0.375	- \pm -	1.65	-	-
El. conductivity (25°C)	μ S/cm	571 \pm 1.88	577 \pm 0.001	7.42	101	3.41
Hydrogen carbonate	mg/l	211 \pm 1.2	- \pm -	4.22	-	-
Magnesium	mg/l	15.8 \pm 0.174	- \pm -	0.632	-	-
Nitrate (as NO ₃)	mg/l	29.5 \pm 0.271	- \pm -	1.48	-	-
Nitrite (as NO ₂)	mg/l	0.385 \pm 0.00518	- \pm -	0.0204	-	-
Orthophosphate (as PO ₄)	mg/l	0.411 \pm 0.051	- \pm -	0.123	-	-
pH-value	-	7.58 \pm 0.0328	7.58 \pm 0.001	0.152	100	0.07
Potassium	mg/l	2.79 \pm 0.0421	- \pm -	0.145	-	-
Sodium	mg/l	24.8 \pm 0.253	- \pm -	0.844	-	-
Sulfate (as SO ₄)	mg/l	32 \pm 0.308	- \pm -	1.06	-	-
Total-P (as PO ₄)	mg/l	2.01 \pm 0.0245	- \pm -	0.151	-	-
Total hardness	mmol/l	2.29 \pm 0.0232	- \pm -	0.0686	-	-
Total nitrogen	mg/l	7.29 \pm 0.23	- \pm -	0.605	-	-

Sample: N180BDOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	2.87 \pm 0.0629	- \pm -	0.287	-	-



Sample: N180A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	7.31 \pm 0.0254	- \pm -	0.146	-	-
Ammonium (as NH4)	mg/l	0.0867 \pm 0.00322	- \pm -	0.0104	-	-
Boron	mg/l	0.0592 \pm 0.00162	- \pm -	0.00652	-	-
Calcium	mg/l	168 \pm 1.9	- \pm -	5.2	-	-
Chloride	mg/l	110 \pm 0.63	- \pm -	4.41	-	-
El. conductivity (25°C)	μ S/cm	1170 \pm 4.33	- \pm -	15.3	-	-
Hydrogen carbonate	mg/l	445 \pm 1.63	- \pm -	8.9	-	-
Magnesium	mg/l	39.8 \pm 0.541	- \pm -	1.59	-	-
Nitrate (as NO3)	mg/l	10.1 \pm 0.0896	- \pm -	0.507	-	-
Nitrite (as NO2)	mg/l	0.0307 \pm 0.00108	- \pm -	0.00307	-	-
Orthophosphate (as PO4)	mg/l	0.051 \pm 0.00379	- \pm -	0.0102	-	-
pH-value	-	7.6 \pm 0.0251	7.52 \pm 0.001	0.152	98.9	-0.55
Potassium	mg/l	2.5 \pm 0.0456	- \pm -	0.13	-	-
Sodium	mg/l	23.3 \pm 0.188	- \pm -	0.791	-	-
Sulfate (as SO4)	mg/l	106 \pm 0.947	- \pm -	3.51	-	-
Total-P (as PO4)	mg/l	0.145 \pm 0.00263	- \pm -	0.0109	-	-
Total hardness	mmol/l	5.84 \pm 0.0648	- \pm -	0.175	-	-
Total nitrogen	mg/l	2.49 \pm 0.0962	2.52 \pm 0.1	0.207	101	0.13

Sample: N180ADOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.55 \pm 0.082	- \pm -	0.186	-	-

Sample: N180B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	3.5 \pm 0.0202	- \pm -	0.0699	-	-

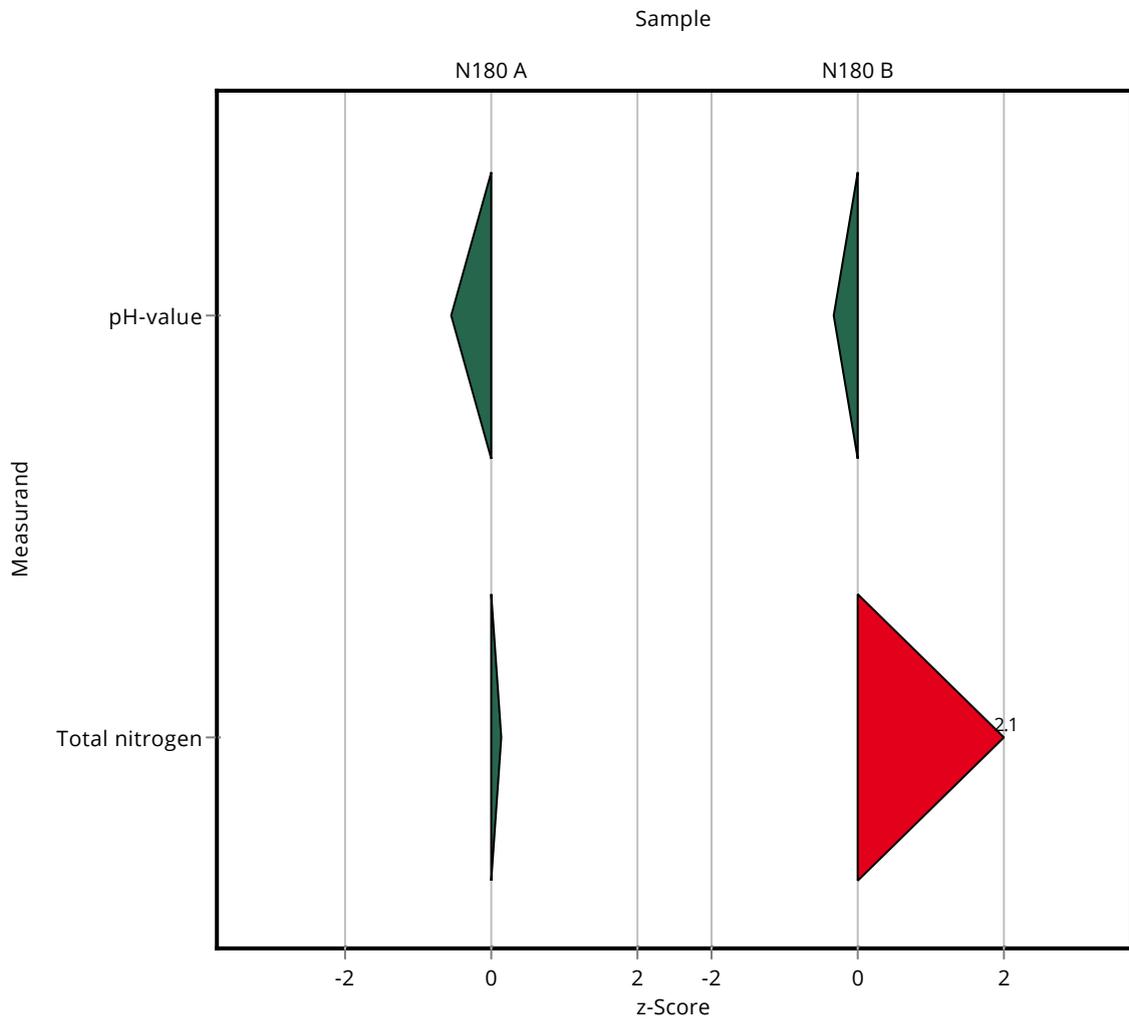
Summary of results Nutrients/Major Ions N180

Labcode: LC0049

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.29 \pm 0.0086	- \pm -	0.0348	-	-
Boron	mg/l	0.0162 \pm 0.000839	- \pm -	0.00179	-	-
Calcium	mg/l	65.6 \pm 0.729	- \pm -	2.03	-	-
Chloride	mg/l	41.2 \pm 0.375	- \pm -	1.65	-	-
El. conductivity (25°C)	μ S/cm	571 \pm 1.88	- \pm -	7.42	-	-
Hydrogen carbonate	mg/l	211 \pm 1.2	- \pm -	4.22	-	-
Magnesium	mg/l	15.8 \pm 0.174	- \pm -	0.632	-	-
Nitrate (as NO ₃)	mg/l	29.5 \pm 0.271	- \pm -	1.48	-	-
Nitrite (as NO ₂)	mg/l	0.385 \pm 0.00518	- \pm -	0.0204	-	-
Orthophosphate (as PO ₄)	mg/l	0.411 \pm 0.051	- \pm -	0.123	-	-
pH-value	-	7.58 \pm 0.0328	7.53 \pm 0.001	0.152	99.4	-0.32
Potassium	mg/l	2.79 \pm 0.0421	- \pm -	0.145	-	-
Sodium	mg/l	24.8 \pm 0.253	- \pm -	0.844	-	-
Sulfate (as SO ₄)	mg/l	32 \pm 0.308	- \pm -	1.06	-	-
Total-P (as PO ₄)	mg/l	2.01 \pm 0.0245	- \pm -	0.151	-	-
Total hardness	mmol/l	2.29 \pm 0.0232	- \pm -	0.0686	-	-
Total nitrogen	mg/l	7.29 \pm 0.23	8.53 \pm 0.33	0.605	117	2.05

Sample: N180BDOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.87 \pm 0.0629	- \pm -	0.287	-	-



Sample: N180A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	7.31 \pm 0.0254	- \pm -	0.146	-	-
Ammonium (as NH ₄)	mg/l	0.0867 \pm 0.00322	- \pm -	0.0104	-	-
Boron	mg/l	0.0592 \pm 0.00162	- \pm -	0.00652	-	-
Calcium	mg/l	168 \pm 1.9	- \pm -	5.2	-	-
Chloride	mg/l	110 \pm 0.63	- \pm -	4.41	-	-
El. conductivity (25°C)	μ S/cm	1170 \pm 4.33	- \pm -	15.3	-	-
Hydrogen carbonate	mg/l	445 \pm 1.63	- \pm -	8.9	-	-
Magnesium	mg/l	39.8 \pm 0.541	- \pm -	1.59	-	-
Nitrate (as NO ₃)	mg/l	10.1 \pm 0.0896	- \pm -	0.507	-	-
Nitrite (as NO ₂)	mg/l	0.0307 \pm 0.00108	- \pm -	0.00307	-	-
Orthophosphate (as PO ₄)	mg/l	0.051 \pm 0.00379	- \pm -	0.0102	-	-
pH-value	-	7.6 \pm 0.0251	7.52 \pm 0.001	0.152	98.9	-3.34
Potassium	mg/l	2.5 \pm 0.0456	- \pm -	0.13	-	-
Sodium	mg/l	23.3 \pm 0.188	- \pm -	0.791	-	-
Sulfate (as SO ₄)	mg/l	106 \pm 0.947	- \pm -	3.51	-	-
Total-P (as PO ₄)	mg/l	0.145 \pm 0.00263	- \pm -	0.0109	-	-
Total hardness	mmol/l	5.84 \pm 0.0648	- \pm -	0.175	-	-
Total nitrogen	mg/l	2.49 \pm 0.0962	2.52 \pm 0.1	0.207	101	0.12

Sample: N180ADOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.55 \pm 0.082	- \pm -	0.186	-	-

Sample: N180B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	3.5 \pm 0.0202	- \pm -	0.0699	-	-

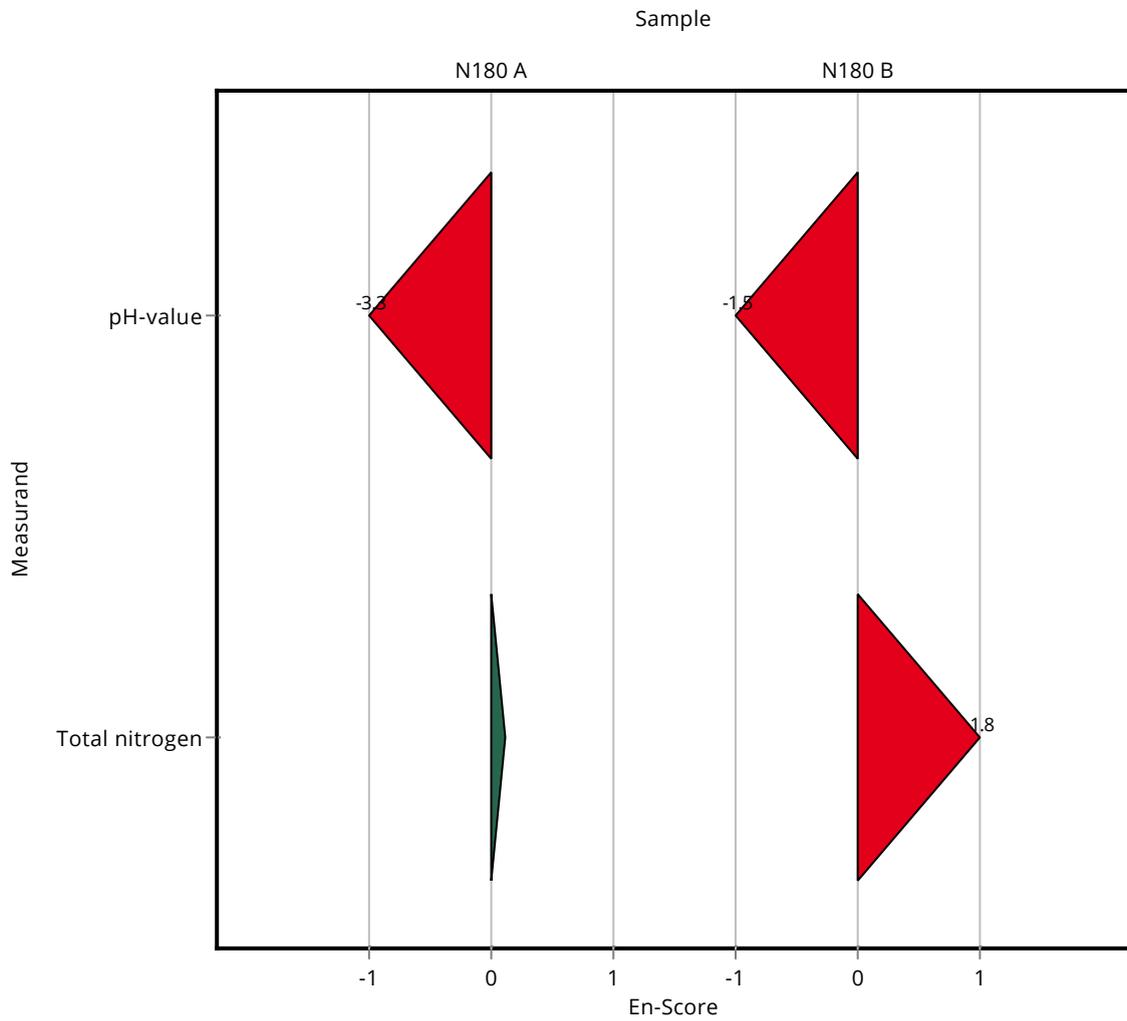
Summary of results Nutrients/Major Ions N180 - En-Score

Labcode: LC0049

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En- Score
Ammonium (as NH ₄)	mg/l	0.29 \pm 0.0086	- \pm -	0.0348	-	-
Boron	mg/l	0.0162 \pm 0.000839	- \pm -	0.00179	-	-
Calcium	mg/l	65.6 \pm 0.729	- \pm -	2.03	-	-
Chloride	mg/l	41.2 \pm 0.375	- \pm -	1.65	-	-
El. conductivity (25°C)	μ S/cm	571 \pm 1.88	- \pm -	7.42	-	-
Hydrogen carbonate	mg/l	211 \pm 1.2	- \pm -	4.22	-	-
Magnesium	mg/l	15.8 \pm 0.174	- \pm -	0.632	-	-
Nitrate (as NO ₃)	mg/l	29.5 \pm 0.271	- \pm -	1.48	-	-
Nitrite (as NO ₂)	mg/l	0.385 \pm 0.00518	- \pm -	0.0204	-	-
Orthophosphate (as PO ₄)	mg/l	0.411 \pm 0.051	- \pm -	0.123	-	-
pH-value	-	7.58 \pm 0.0328	7.53 \pm 0.001	0.152	99.4	-1.45
Potassium	mg/l	2.79 \pm 0.0421	- \pm -	0.145	-	-
Sodium	mg/l	24.8 \pm 0.253	- \pm -	0.844	-	-
Sulfate (as SO ₄)	mg/l	32 \pm 0.308	- \pm -	1.06	-	-
Total-P (as PO ₄)	mg/l	2.01 \pm 0.0245	- \pm -	0.151	-	-
Total hardness	mmol/l	2.29 \pm 0.0232	- \pm -	0.0686	-	-
Total nitrogen	mg/l	7.29 \pm 0.23	8.53 \pm 0.33	0.605	117	1.77

Sample: N180BDOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En- Score
DOC (as C)	mg/l	2.87 \pm 0.0629	- \pm -	0.287	-	-



Sample: N180A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	7.31 \pm 0.0254	- \pm -	0.146	-	-
Ammonium (as NH4)	mg/l	0.0867 \pm 0.00322	- \pm -	0.0104	-	-
Boron	mg/l	0.0592 \pm 0.00162	- \pm -	0.00652	-	-
Calcium	mg/l	168 \pm 1.9	- \pm -	5.2	-	-
Chloride	mg/l	110 \pm 0.63	- \pm -	4.41	-	-
El. conductivity (25°C)	μ S/cm	1170 \pm 4.33	1162 \pm 23.2	15.3	99	-0.78
Hydrogen carbonate	mg/l	445 \pm 1.63	- \pm -	8.9	-	-
Magnesium	mg/l	39.8 \pm 0.541	- \pm -	1.59	-	-
Nitrate (as NO3)	mg/l	10.1 \pm 0.0896	- \pm -	0.507	-	-
Nitrite (as NO2)	mg/l	0.0307 \pm 0.00108	- \pm -	0.00307	-	-
Orthophosphate (as PO4)	mg/l	0.051 \pm 0.00379	- \pm -	0.0102	-	-
pH-value	-	7.6 \pm 0.0251	7.66 \pm 0.05	0.152	101	0.37
Potassium	mg/l	2.5 \pm 0.0456	- \pm -	0.13	-	-
Sodium	mg/l	23.3 \pm 0.188	- \pm -	0.791	-	-
Sulfate (as SO4)	mg/l	106 \pm 0.947	- \pm -	3.51	-	-
Total-P (as PO4)	mg/l	0.145 \pm 0.00263	- \pm -	0.0109	-	-
Total hardness	mmol/l	5.84 \pm 0.0648	- \pm -	0.175	-	-
Total nitrogen	mg/l	2.49 \pm 0.0962	- \pm -	0.207	-	-

Sample: N180ADOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.55 \pm 0.082	- \pm -	0.186	-	-

Sample: N180B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Alkalinity Ks 4,3	mmol/l	3.5 \pm 0.0202	- \pm -	0.0699	-	-

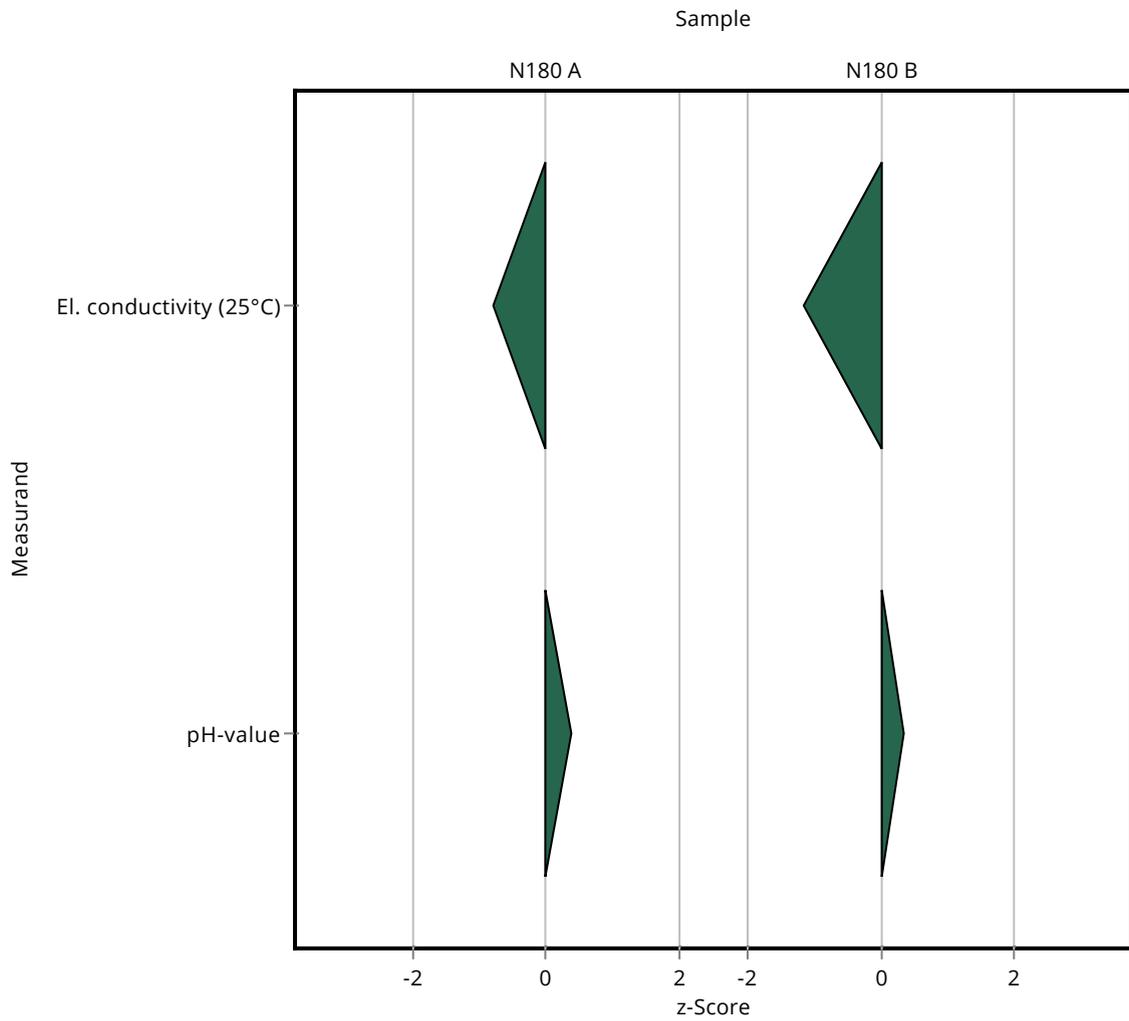
Summary of results Nutrients/Major Ions N180

Labcode: LC0050

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.29 \pm 0.0086	- \pm -	0.0348	-	-
Boron	mg/l	0.0162 \pm 0.000839	- \pm -	0.00179	-	-
Calcium	mg/l	65.6 \pm 0.729	- \pm -	2.03	-	-
Chloride	mg/l	41.2 \pm 0.375	- \pm -	1.65	-	-
El. conductivity (25°C)	μ S/cm	571 \pm 1.88	562 \pm 11.2	7.42	98.5	-1.16
Hydrogen carbonate	mg/l	211 \pm 1.2	- \pm -	4.22	-	-
Magnesium	mg/l	15.8 \pm 0.174	- \pm -	0.632	-	-
Nitrate (as NO ₃)	mg/l	29.5 \pm 0.271	- \pm -	1.48	-	-
Nitrite (as NO ₂)	mg/l	0.385 \pm 0.00518	- \pm -	0.0204	-	-
Orthophosphate (as PO ₄)	mg/l	0.411 \pm 0.051	- \pm -	0.123	-	-
pH-value	-	7.58 \pm 0.0328	7.63 \pm 0.05	0.152	101	0.34
Potassium	mg/l	2.79 \pm 0.0421	- \pm -	0.145	-	-
Sodium	mg/l	24.8 \pm 0.253	- \pm -	0.844	-	-
Sulfate (as SO ₄)	mg/l	32 \pm 0.308	- \pm -	1.06	-	-
Total-P (as PO ₄)	mg/l	2.01 \pm 0.0245	- \pm -	0.151	-	-
Total hardness	mmol/l	2.29 \pm 0.0232	- \pm -	0.0686	-	-
Total nitrogen	mg/l	7.29 \pm 0.23	- \pm -	0.605	-	-

Sample: N180BDOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	2.87 \pm 0.0629	- \pm -	0.287	-	-



Sample: N180A

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	7.31 \pm 0.0254	- \pm -	0.146	-	-
Ammonium (as NH ₄)	mg/l	0.0867 \pm 0.00322	- \pm -	0.0104	-	-
Boron	mg/l	0.0592 \pm 0.00162	- \pm -	0.00652	-	-
Calcium	mg/l	168 \pm 1.9	- \pm -	5.2	-	-
Chloride	mg/l	110 \pm 0.63	- \pm -	4.41	-	-
El. conductivity (25°C)	μ S/cm	1170 \pm 4.33	1162 \pm 23.2	15.3	99	-0.26
Hydrogen carbonate	mg/l	445 \pm 1.63	- \pm -	8.9	-	-
Magnesium	mg/l	39.8 \pm 0.541	- \pm -	1.59	-	-
Nitrate (as NO ₃)	mg/l	10.1 \pm 0.0896	- \pm -	0.507	-	-
Nitrite (as NO ₂)	mg/l	0.0307 \pm 0.00108	- \pm -	0.00307	-	-
Orthophosphate (as PO ₄)	mg/l	0.051 \pm 0.00379	- \pm -	0.0102	-	-
pH-value	-	7.6 \pm 0.0251	7.66 \pm 0.05	0.152	101	0.54
Potassium	mg/l	2.5 \pm 0.0456	- \pm -	0.13	-	-
Sodium	mg/l	23.3 \pm 0.188	- \pm -	0.791	-	-
Sulfate (as SO ₄)	mg/l	106 \pm 0.947	- \pm -	3.51	-	-
Total-P (as PO ₄)	mg/l	0.145 \pm 0.00263	- \pm -	0.0109	-	-
Total hardness	mmol/l	5.84 \pm 0.0648	- \pm -	0.175	-	-
Total nitrogen	mg/l	2.49 \pm 0.0962	- \pm -	0.207	-	-

Sample: N180ADOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.55 \pm 0.082	- \pm -	0.186	-	-

Sample: N180B

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En-Score
Alkalinity Ks 4,3	mmol/l	3.5 \pm 0.0202	- \pm -	0.0699	-	-

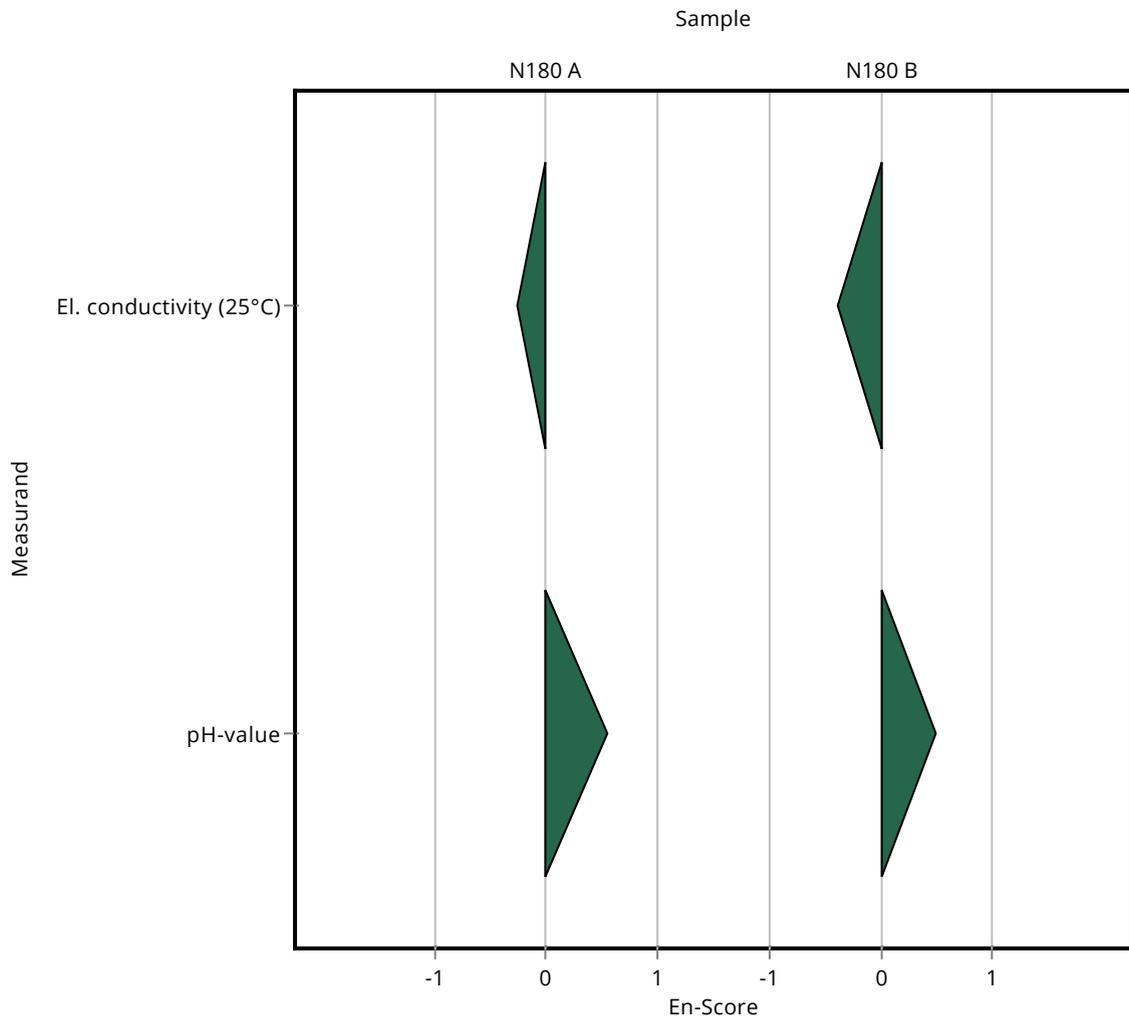
Summary of results Nutrients/Major Ions N180 - En-Score

Labcode: LC0050

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En- Score
Ammonium (as NH ₄)	mg/l	0.29 \pm 0.0086	- \pm -	0.0348	-	-
Boron	mg/l	0.0162 \pm 0.000839	- \pm -	0.00179	-	-
Calcium	mg/l	65.6 \pm 0.729	- \pm -	2.03	-	-
Chloride	mg/l	41.2 \pm 0.375	- \pm -	1.65	-	-
El. conductivity (25°C)	μ S/cm	571 \pm 1.88	562 \pm 11.2	7.42	98.5	-0.38
Hydrogen carbonate	mg/l	211 \pm 1.2	- \pm -	4.22	-	-
Magnesium	mg/l	15.8 \pm 0.174	- \pm -	0.632	-	-
Nitrate (as NO ₃)	mg/l	29.5 \pm 0.271	- \pm -	1.48	-	-
Nitrite (as NO ₂)	mg/l	0.385 \pm 0.00518	- \pm -	0.0204	-	-
Orthophosphate (as PO ₄)	mg/l	0.411 \pm 0.051	- \pm -	0.123	-	-
pH-value	-	7.58 \pm 0.0328	7.63 \pm 0.05	0.152	101	0.50
Potassium	mg/l	2.79 \pm 0.0421	- \pm -	0.145	-	-
Sodium	mg/l	24.8 \pm 0.253	- \pm -	0.844	-	-
Sulfate (as SO ₄)	mg/l	32 \pm 0.308	- \pm -	1.06	-	-
Total-P (as PO ₄)	mg/l	2.01 \pm 0.0245	- \pm -	0.151	-	-
Total hardness	mmol/l	2.29 \pm 0.0232	- \pm -	0.0686	-	-
Total nitrogen	mg/l	7.29 \pm 0.23	- \pm -	0.605	-	-

Sample: N180BDOC

Parameter	Unit	Assigned \pm U (k=2) value	Result \pm U	Criterion	Recovery [%]	En- Score
DOC (as C)	mg/l	2.87 \pm 0.0629	- \pm -	0.287	-	-



E9. Methodenübersicht / Overview of methods

LabCode	Sample	Alkalinity Ks 4,3	Boron	Calcium	Chloride
LC0001	N180A	DIN 38409-7; H7-2	EN ISO 17294-2;	EN ISO 17294-2;	EN ISO 10304-1;
LC0002	N180A	DIN 38409-7; H7-2; titration	EN ISO 11885; ICP-OES; E22	EN ISO 11885; ICP- OES; E22	EN ISO 10304-1; D20;IC
LC0003	N180A	DIN 38409-7; H7			
LC0004	N180A	DIN 38409-7; part 7	EN ISO 11885;	EN ISO 11885;	EN ISO 10304-1;
LC0005	N180A	DIN 38409-7; H7			
LC0006	N180A	DIN 38409-7;		EN ISO 14911;	EN ISO 10304-1;
LC0007	N180A				ISO 15923-1; discrete analyzer
LC0008	N180A	DIN 38409-7;		EN ISO 14911;	EN ISO 10304-1;
LC0009	N180A	EN ISO 9963-1;	EN ISO 17294-2;	EN ISO 14911;	EN ISO 10304-1;
LC0010	N180A	titration;		IC;	IC;
LC0011	N180A			ICP-OES; IEC 17025	IC; IEC 17025
LC0012	N180A	DIN 38409-7;	EN ISO 11885;	EN ISO 11885;	EN ISO 10304-1;
LC0013	N180A		EN ISO 17294-2; ICP-MS	EN ISO 11885; ICP- OES	EN ISO 10304-1;
LC0014	N180A				
LC0015	N180A	DIN 38409-7; H7	EN ISO 17294-2;	EN ISO 11885;	
LC0016	N180A	DIN 38409-7; H7			EN ISO 10304-1; D20
LC0017	N180A	DIN 38409-7;			
LC0018	N180A	EN ISO 9963-1;		EN ISO 14911;	EN ISO 10304-1;
LC0019	N180A	calculated; SM 2330 B	EN ISO 17294-2; 1&2	EN ISO 14911;	IC; SM 4110 B
LC0020	N180A				DIN 38405-1; D1-2
LC0021	N180A	DIN 38409-7;			EN ISO 10304-1;
LC0022	N180A	DIN 38409-7;	EN ISO 17294-2;	EN ISO 17294-2;	EN ISO 10304-1;
LC0023	N180A	DIN 38409-7;	EN ISO 17294-2;	EN ISO 14911;	EN ISO 10304-1;
LC0024	N180A	DIN 38409-7; H7-2			
LC0025	N180A	DIN 38409-6;	EN ISO 11885; ICP-OES	EN ISO 14911;	EN ISO 10304-1;
LC0026	N180A	EN ISO 9963-1;		EN ISO 14911;	EN ISO 10304-1;
LC0027	N180A	DIN 38409-7; H7	DIN 38405-17; D17	DIN 38406-3; E3	DIN 38405-1; D1
LC0028	N180A			IC; house method	IC; house method
LC0029	N180A	DIN 38409-7;	EN ISO 17294-2;	EN ISO 14911;	EN ISO 10304-1;
LC0030	N180A		DIN 38405-17; ÖNORM M 6606		EN ISO 10304-1;
LC0031	N180A			titration; complexometric titration with EDTA (Trilon B)	ISO 9297;
LC0032	N180A	DIN 38409-7;		EN ISO 11885;	EN ISO 10304-1;
LC0033	N180A	EN ISO 9963-1; modified; titrimetry		EN ISO 14911; modified; IC	EN ISO 14911; modified; IC

LC0034	N180A	DIN 38409-7; titration	EN ISO 17294-2; ICP-MS	EN ISO 17294-2; ICP-MS	EN ISO 10304-1; IC
LC0035	N180A		EN ISO 17294-2;	EN ISO 17294-2;	EN ISO 10304-1;
LC0036	N180A	DIN 38409-7;	EN ISO 11885;	EN ISO 11885;	EN ISO 10304-1;
LC0037	N180A	DIN 38409-7; H7		EN ISO 14911; E34	EN ISO 10304-1; D20
LC0038	N180A	titrimetry;		IC;	IC;
LC0039	N180A	EN ISO 9963-1;		MSZ 1484-3;	MSZ 1484-15;
LC0040	N180A				IC;
LC0041	N180A	DIN 38409-7;	EN ISO 17294-2;	EN ISO 17294-2;	EN ISO 10304-1;
LC0042	N180A	DIN 38409-7;	EN ISO 11885;	EN ISO 11885;	EN ISO 10304-1;
LC0043	N180A			EN ISO 11885;	EN ISO 15682;
LC0044	N180A	DIN 38409-7; H7;titration	EN ISO 11885; E22; ICP-OES	EN ISO 11885; E22; ICP-OES	EN ISO 10304-1; IC; D20
LC0045	N180A	EN ISO 9963-1;		EN ISO 14911;	EN ISO 10304-1;
LC0046	N180A	titrimetry;			titrimetry;
LC0047	N180A	EN ISO 9963-1;	EN ISO 17294-2;	EN ISO 17294-2;	EN ISO 10304-1;
LC0048	N180A	DIN 38409-7; H7-2			
LC0049	N180A				
LC0050	N180A				

LabCode	Sample	Total-P (as PO4)	Total hardness	Hydrogen carbonate	Potassium
LC0001	N180A	EN ISO 15681-2;	DIN 38409-6;	DIN 38409-7; H7-2	EN ISO 17294-2;
LC0002	N180A				EN ISO 11885; ICP-OES; E22
LC0003	N180A	EN ISO 15681-2; D46; CFA			
LC0004	N180A	EN ISO 6878;	DIN 38409-6; H6; part 6	DIN 38409-7; part 7	EN ISO 11885;
LC0005	N180A	EN ISO 6878; D11			
LC0006	N180A		calculated;	calculated;	EN ISO 14911;
LC0007	N180A	EN ISO 6878; photometry			
LC0008	N180A	EN ISO 6878;	ISO 6059;	ISO 6059;	EN ISO 14911;
LC0009	N180A	EN ISO 6878;	EN ISO 14911;	EN ISO 9963-1;	EN ISO 14911;
LC0010	N180A	photometry;	IC;	calculated;	IC;
LC0011	N180A				ICP-OES; IEC 17025
LC0012	N180A	ISO 15923-1;	calculated;	DIN 38409-7;	EN ISO 11885;
LC0013	N180A	EN ISO 6878;	calculated;		EN ISO 11885; ICP-OES
LC0014	N180A				
LC0015	N180A	EN ISO 6878;			EN ISO 11885;
LC0016	N180A				
LC0017	N180A				
LC0018	N180A	EN ISO 6878;	DIN 38406-6;	EN ISO 9963-1;	EN ISO 14911;

LC0019	N180A	photometry; colorimetry (SM 4500- P E)	titration; SM 2340 C	calculated; SM 2330 B	EN ISO 14911;
LC0020	N180A			DIN 38409-7; H7	
LC0021	N180A				
LC0022	N180A	EN ISO 15681-2;	EN ISO 17294-2;	DIN 38409-7;	EN ISO 17294-2;
LC0023	N180A	EN ISO 6878;	DIN 38409-6;	DIN 38409-7;	EN ISO 14911;
LC0024	N180A				
LC0025	N180A	EN ISO 6878;	DIN 38409-6;	DIN 38409-6;	EN ISO 14911;
LC0026	N180A	EN ISO 6878;	DIN 38409;	EN ISO 9963-1;	EN ISO 14911;
LC0027	N180A	cuvette test;	DIN 38409-6; H6	DIN 38409-7;	DIN 38406-13; E13
LC0028	N180A		IC; house method		IC; house method
LC0029	N180A	EN ISO 6878;	DIN 38409-6;	DIN 38409-7;	EN ISO 14911;
LC0030	N180A				
LC0031	N180A		titration; complexometric titration with EDTA (Trilon B)		photometry; (flame)
LC0032	N180A			DIN 38409-7;	EN ISO 11885;
LC0033	N180A		EN ISO 14911; modified; IC	EN ISO 9963-1; modified; titrimetry	EN ISO 14911; modified; IC
LC0034	N180A	EN ISO 6878; UV	DIN 38409-6; calculated	calculated; (via Ks 4.3)	EN ISO 17294-2; ICP- MS
LC0035	N180A	EN ISO 17294-2;	calculated; EN ISO 17294-2 (Ca+Mg)	EN ISO 9963-1;	EN ISO 17294-2;
LC0036	N180A	EN ISO 6878;	DIN 38409-6;	DIN 38409-7; D8	EN ISO 11885;
LC0037	N180A	EN ISO 6878; D11	EN ISO 14911; E34	calculated;	EN ISO 14911; E34
LC0038	N180A	UV-Vis;			IC;
LC0039	N180A		MSZ 448-21;	MSZ 448-21;	MSZ 1484-3;
LC0040	N180A	FIA; oxisolv digestion			
LC0041	N180A	EN ISO 17294-2;	EN ISO 17294-2;	DIN 38409-7;	EN ISO 17294-2;
LC0042	N180A	EN ISO 6878;	DIN 38406-3;	calculated;	EN ISO 11885;
LC0043	N180A				EN ISO 11885;
LC0044	N180A	EN ISO 11885; E22; ICP-OES	calculated;		EN ISO 11885; E22; ICP-OES
LC0045	N180A		EN ISO 14911;	EN ISO 9963-1;	
LC0046	N180A	UV-Vis;		titrimetry;	
LC0047	N180A	EN ISO 6878;	calculated;	calculated;	EN ISO 17294-2;
LC0048	N180A				
LC0049	N180A				
LC0050	N180A				

LabCode	Sample	El. conductivity (25°C)	Magnesium	Sodium	Ammonium (as NH4)
LC0001	N180A	EN 27888;	EN ISO 17294-2;	EN ISO 17294-2;	EN ISO 11732;

LC0002	N180A	EN 27888; C8	EN ISO 11885; ICP-OES; E22	EN ISO 11885; ICP-OES; E22	ISO 15923-1; D49; discrete analyzer
LC0003	N180A	EN 27888; C8			ISO 15923-1; discrete analyzer
LC0004	N180A	EN 27888;	EN ISO 11885;	EN ISO 11885;	EN ISO 11732;
LC0005	N180A				
LC0006	N180A	EN 27888;	EN ISO 14911;	EN ISO 14911;	
LC0007	N180A				
LC0008	N180A	EN 27888;	EN ISO 14911;	EN ISO 14911;	DIN 38406-5;
LC0009	N180A	EN 27888;	EN ISO 14911;	EN ISO 14911;	DIN 38406-5;
LC0010	N180A	conductometry;	IC;	IC;	photometry;
LC0011	N180A	conductometry;	ICP-OES; IEC 17025	ICP-OES; IEC 17025	photometry;
LC0012	N180A	EN 27888;	EN ISO 11885;	EN ISO 11885;	ISO 15923-1;
LC0013	N180A	EN 27888;	EN ISO 11885; ICP-OES	EN ISO 11885; ICP-OES	DIN 38406-5;
LC0014	N180A				
LC0015	N180A		EN ISO 11885;	EN ISO 11885;	EN ISO 11732;
LC0016	N180A	EN 27888; C8			ISO 15923-1; D49
LC0017	N180A				DIN 38406-5; E5-1
LC0018	N180A	EN 27888;	EN ISO 14911;	EN ISO 14911;	ISO 7150-1;
LC0019	N180A	EN 27888;	EN ISO 14911;	EN ISO 14911;	titration; color indicator; SM 4500 NH3
LC0020	N180A	EN 27888; C8			
LC0021	N180A	EN 27888;			DIN 38406-5;
LC0022	N180A	EN 27888;	EN ISO 17294-2;	EN ISO 17294-2;	EN ISO 11732;
LC0023	N180A	EN 27888;	EN ISO 14911;	EN ISO 14911;	EN ISO 11732;
LC0024	N180A	EN 27888; C8			
LC0025	N180A	EN 27888;	EN ISO 14911;	EN ISO 14911;	DIN 38409-5;
LC0026	N180A	EN 27888;	EN ISO 14911;	EN ISO 14911;	DIN 38406-5; E5
LC0027	N180A	EN 27888;	DIN 38406-3; E3	DIN 38406-14; E14	cuvette test;
LC0028	N180A	EN 27888; conductometry	IC; house method	IC; house method	IC; house method
LC0029	N180A	EN 27888;	EN ISO 14911;	EN ISO 14911;	ISO 7150-1;
LC0030	N180A	EN 27888;			DIN 38406-5; ÖNORM ISO 7150-1
LC0031	N180A	conductometry;	titration; complexometric titration with EDTA (Trilon B)	photometry; (flame)	photometry; spectrophotometry (Nessler's reagent)
LC0032	N180A	EN 27888;	EN ISO 11885;	EN ISO 11885;	DIN 38406-5;
LC0033	N180A	EN 27888; conductometry	EN ISO 14911; modified; IC	EN ISO 14911; modified; IC	ISO 7150-1; modified; photometry
LC0034	N180A	EN 27888;	EN ISO 17294-2; ICP-MS	EN ISO 17294-2; ICP-MS	ISO 7150-1; UV
LC0035	N180A	EN 27888; (ISO 7888)	EN ISO 17294-2;	EN ISO 17294-2;	photometry; Nessler's reagent

LC0036	N180A	EN 27888;	EN ISO 11885;	EN ISO 11885;	ISO 7150-1;
LC0037	N180A	EN 27888; C8	EN ISO 14911; E34	EN ISO 14911; E34	EN ISO 14911; E34
LC0038	N180A	IC;	IC;	IC;	UV-Vis;
LC0039	N180A	EN 27888;	MSZ 1484-3;	MSZ 1484-3;	ISO 7150-1;
LC0040	N180A	conductometry;			FIA;
LC0041	N180A	EN 27888;	EN ISO 17294-2;	EN ISO 17294-2;	DIN 38406-5;
LC0042	N180A	EN 27888;	EN ISO 11885;	EN ISO 11885;	DIN 38406-5;
LC0043	N180A	EN 27888;	EN ISO 11885;	EN ISO 11885;	EN ISO 11732;
LC0044	N180A	EN 27888; C8	EN ISO 11885; E22; ICP-OES	EN ISO 11885; E22; ICP-OES	EN ISO 11732; E23
LC0045	N180A	EN 27888;	EN ISO 14911;	EN ISO 14911;	DIN 38406-5;
LC0046	N180A	conductometry;			UV-Vis;
LC0047	N180A	EN 27888;	EN ISO 17294-2;	EN ISO 17294-2;	ISO 7150-1;
LC0048	N180A	EN 27888; C8			
LC0049	N180A				
LC0050	N180A	EN 27888;			

LabCode	Sample	Nitrite (as NO ₂)	Nitrate (as NO ₃)	Orthophosphate (as PO ₄)	Sulfate (as SO ₄)
LC0001	N180A	EN ISO 13395 ;	EN ISO 10304-1;	EN ISO 15681-2;	EN ISO 10304-1;
LC0002	N180A	ISO 15923-1; D49; discrete analyzer	EN ISO 10304-1; D20;IC	EN ISO 6878; D11; photometry	EN ISO 10304-1; D20;IC
LC0003	N180A			ISO 15923-1; discrete analyzer	
LC0004	N180A	EN ISO 13395 ;	EN ISO 10304-1;	EN ISO 15681-2;	EN ISO 10304-1;
LC0005	N180A			EN ISO 6878; D11	
LC0006	N180A		EN ISO 10304-1;	EN ISO 10304-1;	EN ISO 10304-1;
LC0007	N180A			ISO 15923-1; discrete analyzer	ISO 15923-1; discrete analyzer
LC0008	N180A	EN 26777;	EN ISO 10304-1;	photometry; VIS	EN ISO 10304-1;
LC0009	N180A	EN 26777;	EN ISO 10304-1;	EN ISO 6878;	EN ISO 10304-1;
LC0010	N180A	photometry;	IC;	photometry;	IC;
LC0011	N180A	IC;	IC; IEC 17025	IC; IEC 17025	IC; IEC 17025
LC0012	N180A	ISO 15923-1;	EN ISO 10304-1;	ISO 15923-1;	EN ISO 10304-1;
LC0013	N180A	EN 26777;	EN ISO 10304-1;	EN ISO 6878;	EN ISO 10304-1;
LC0014	N180A				
LC0015	N180A				
LC0016	N180A	ISO 15923-1; D49	EN ISO 10304-1; D20		EN ISO 10304-1; D20
LC0017	N180A				
LC0018	N180A	EN 26777;	EN ISO 10304-1;	EN ISO 6878;	EN ISO 10304-1;
LC0019	N180A	photometry; colorimetry; SM4500 NO ₂	IC; SM 4110 B	photometry; colorimetry (SM 4500-P E)	IC; SM 4110 B
LC0020	N180A				

LC0021	N180A	EN 26777;	EN ISO 10304-1;	EN ISO 6878;	EN ISO 10304-1;
LC0022	N180A	EN ISO 13395 ;	EN ISO 10304-1;	EN ISO 15681-2;	EN ISO 10304-1;
LC0023	N180A	EN ISO 13395 ;	EN ISO 10304-1;	EN ISO 15681-2;	EN ISO 10304-1;
LC0024	N180A				
LC0025	N180A	EN 26777;	EN ISO 10304-1;	EN ISO 6878;	EN ISO 10304-1;
LC0026	N180A	EN 26777;	EN ISO 10304-1;	EN ISO 6878;	EN ISO 10304-1;
LC0027	N180A	cuvette test;	cuvette test;	cuvette test;	DIN 38405-5; D5
LC0028	N180A	IC; house method	IC; house method		IC; house method
LC0029	N180A	EN 26777;	EN ISO 10304-1;	EN ISO 6878;	EN ISO 10304-1;
LC0030	N180A	EN 26777;	EN ISO 10304-1;	EN ISO 6878;	EN ISO 10304-1;
LC0031	N180A	photometry; spectrophotometry (Griess's reagent)	ISO 7890-3;	EN ISO 6878; house method	turbidimetry; house method
LC0032	N180A	EN 26777;	EN ISO 10304-1;		EN ISO 10304-1;
LC0033	N180A	EN 26777; modified; photometry	EN ISO 14911; modified; IC	EN ISO 6878; modified; photometry	EN ISO 14911; modified; IC
LC0034	N180A	EN 26777; UV	EN ISO 10304-1; IC	EN ISO 6878; UV	EN ISO 10304-1; IC
LC0035	N180A	photometry; sulfanilic acid	EN ISO 10304-1;	photometry;	EN ISO 10304-1;
LC0036	N180A	EN ISO 13395 ;	EN ISO 10304-1;	EN ISO 6878;	EN ISO 10304-1;
LC0037	N180A	EN 26777; D10	EN ISO 10304-1; D20	EN ISO 6878; D11	EN ISO 10304-1; D20
LC0038	N180A	UV-Vis;	IC;	UV-Vis;	IC;
LC0039	N180A	EN ISO 13395 ;	EN ISO 13395 ;	EN ISO 15681-1;	MSZ 448-13;
LC0040	N180A	FIA;	IC;	FIA;	IC;
LC0041	N180A	EN ISO 10304-1;	EN ISO 10304-1;	EN ISO 10304-1;	EN ISO 10304-1;
LC0042	N180A	EN ISO 13395 ;	EN ISO 13395 ;	EN ISO 6878;	EN ISO 10304-1;
LC0043	N180A	EN ISO 13395 ;	EN ISO 13395 ;	EN ISO 15681-2;	ISO 22743;
LC0044	N180A	EN ISO 10304-1; IC; D20	EN ISO 10304-1; IC; D20	cuvette test;	EN ISO 10304-1; IC; D20
LC0045	N180A	EN 26777;	EN ISO 10304-1;	EN ISO 6878;	EN ISO 10304-1;
LC0046	N180A	UV-Vis;	UV-Vis;	UV-Vis;	
LC0047	N180A	EN 26777;	EN ISO 10304-1;	EN ISO 6878;	EN ISO 10304-1;
LC0048	N180A				
LC0049	N180A				
LC0050	N180A				

LabCode	Sample	pH-value	Total nitrogen
LC0001	N180A	EN ISO 10523;	EN ISO 20236;
LC0002	N180A	EN ISO 10523; C5	EN 12260; H35; combustion/CLD
LC0003	N180A	EN ISO 10523;	
LC0004	N180A	EN ISO 10523;	EN 12260;
LC0005	N180A		

LC0006	N180A	EN ISO 10523;	
LC0007	N180A		EN 12260; TNb
LC0008	N180A	potentiometry; ph_electrode	
LC0009	N180A	EN ISO 10523;	EN ISO 20236;
LC0010	N180A	pH-meter; potentiometry	TOC-N analyzer;
LC0011	N180A	pH-meter; electrode	
LC0012	N180A	EN ISO 10523;	ISO 15923-1;
LC0013	N180A	EN ISO 10523;	EN 12260;
LC0014	N180A		
LC0015	N180A		
LC0016	N180A		
LC0017	N180A		
LC0018	N180A	EN ISO 10523;	EN ISO 20236;
LC0019	N180A	EN ISO 10523;	EN ISO 20236;
LC0020	N180A	EN ISO 10523; C5	
LC0021	N180A	EN ISO 10523;	
LC0022	N180A	EN ISO 10523;	EN ISO 11905-1;
LC0023	N180A	EN ISO 10523;	EN ISO 20236;
LC0024	N180A	EN ISO 10523; C5	
LC0025	N180A	DIN 38409-6;	
LC0026	N180A	EN ISO 10523;	EN ISO 20236;
LC0027	N180A	EN ISO 10523;	cuvette test;
LC0028	N180A	EN ISO 10523; pH- meter	
LC0029	N180A	EN ISO 10523;	
LC0030	N180A	EN ISO 10523; DIN 19268	
LC0031	N180A	EN ISO 10523;	
LC0032	N180A	EN ISO 10523;	
LC0033	N180A	EN ISO 10523; pH- meter	
LC0034	N180A	EN ISO 10523;	EN ISO 20236; chemoluminescence
LC0035	N180A	EN ISO 10523;	
LC0036	N180A	EN ISO 10523;	EN ISO 11905-1;
LC0037	N180A	EN ISO 10523; C5	
LC0038	N180A	pH-meter; potentiometry	combustion (IR);
LC0039	N180A	MSZ 1484-22;	
LC0040	N180A		IC; oxisolv digestion
LC0041	N180A	EN ISO 10523;	EN ISO 11905-1;
LC0042	N180A	EN ISO 10523;	DIN 38409-27;

LC0043	N180A	EN ISO 10523;	
LC0044	N180A	EN ISO 10523; C5	EN 12260; H34; oxidation
LC0045	N180A	EN ISO 10523;	
LC0046	N180A	pH-meter; potentiometry	
LC0047	N180A	EN ISO 10523;	
LC0048	N180A	EN ISO 10523;	
LC0049	N180A	DIN 38404;	EN ISO 11905-1; EN ISO 13395 (CFA)
LC0050	N180A	EN ISO 10523;	

LabCode	Sample	DOC (as C)
LC0001	N180ADOC	EN 1484;
LC0002	N180ADOC	EN 1484; H3; combustion/IR
LC0003	N180ADOC	
LC0004	N180ADOC	EN 1484;
LC0005	N180ADOC	
LC0006	N180ADOC	
LC0007	N180ADOC	EN 1484;
LC0008	N180ADOC	catalytic oxidation (NDIR);
LC0009	N180ADOC	EN 1484;
LC0010	N180ADOC	TOC-N analyzer;
LC0011	N180ADOC	
LC0012	N180ADOC	EN 1484;
LC0013	N180ADOC	EN 1484;
LC0014	N180ADOC	
LC0015	N180ADOC	
LC0016	N180ADOC	
LC0017	N180ADOC	
LC0018	N180ADOC	EN ISO 20236;
LC0019	N180ADOC	DAQAS-GTL-01;
LC0020	N180ADOC	
LC0021	N180ADOC	
LC0022	N180ADOC	EN 1484;
LC0023	N180ADOC	EN 1484;
LC0024	N180ADOC	EN 1484;
LC0025	N180ADOC	EN 1484;
LC0026	N180ADOC	EN ISO 20236;
LC0027	N180ADOC	EN 1484; H3

LC0028	N180ADOC	photometry (IR); house method
LC0029	N180ADOC	EN 1484;
LC0030	N180ADOC	
LC0031	N180ADOC	EN 1484;
LC0032	N180ADOC	EN 1484;
LC0033	N180ADOC	
LC0034	N180ADOC	EN 1484; catalytic oxidation
LC0035	N180ADOC	
LC0036	N180ADOC	EN 1484;
LC0037	N180ADOC	
LC0038	N180ADOC	persulphate;
LC0039	N180ADOC	
LC0040	N180ADOC	combustion;
LC0041	N180ADOC	EN 1484;
LC0042	N180ADOC	EN 1484;
LC0043	N180ADOC	EN 1484;
LC0044	N180ADOC	EN 1484; H3
LC0045	N180ADOC	EN 1484;
LC0046	N180ADOC	
LC0047	N180ADOC	EN 1484;
LC0048	N180ADOC	
LC0049	N180ADOC	
LC0050	N180ADOC	

LabCode	Sample	Alkalinity Ks 4,3	Boron	Calcium	Chloride
LC0001	N180B	DIN 38409-7; H7-2	EN ISO 17294-2;	EN ISO 17294-2;	EN ISO 10304-1;
LC0002	N180B	DIN 38409-7; H7-2	EN ISO 11885; ICP-OES; E22	EN ISO 11885; ICP- OES; E22	EN ISO 10304-1; D20;IC
LC0003	N180B	DIN 38409-7; H7			
LC0004	N180B	DIN 38409-7; part 7	EN ISO 11885;	EN ISO 11885;	EN ISO 10304-1;
LC0005	N180B	DIN 38409-7; H7			
LC0006	N180B	DIN 38409-7;		EN ISO 14911;	EN ISO 10304-1;
LC0007	N180B				ISO 15923-1; discrete analyzer
LC0008	N180B	DIN 38409-7;		EN ISO 14911;	EN ISO 10304-1;
LC0009	N180B	EN ISO 9963-1;	EN ISO 17294-2;	EN ISO 14911;	EN ISO 10304-1;
LC0010	N180B	titration;		IC;	IC;
LC0011	N180B			ICP-OES; IEC 17025	IC; IEC 17025
LC0012	N180B	DIN 38409-7;	EN ISO 11885;	EN ISO 11885;	EN ISO 10304-1;

LC0013	N180B		EN ISO 17294-2; ICP-MS	EN ISO 11885; ICP-OES	EN ISO 10304-1;
LC0014	N180B	EN ISO 9963-1;			ISO 9297;
LC0015	N180B	DIN 38409-7; H7	EN ISO 17294-2;	EN ISO 11885;	
LC0016	N180B	DIN 38409-7; H7			EN ISO 10304-1; D20
LC0017	N180B	DIN 38409-7;			
LC0018	N180B	EN ISO 9963-1;		EN ISO 14911;	EN ISO 10304-1;
LC0019	N180B	calculated; SM 2330 B	EN ISO 17294-2; 1&2	EN ISO 14911;	IC; SM 4110 B
LC0020	N180B				DIN 38405-1; D1-2
LC0021	N180B	DIN 38409-7;			EN ISO 10304-1;
LC0022	N180B	DIN 38409-7;	EN ISO 17294-2;	EN ISO 17294-2;	EN ISO 10304-1;
LC0023	N180B	DIN 38409-7;	EN ISO 17294-2;	EN ISO 14911;	EN ISO 10304-1;
LC0024	N180B	DIN 38409-7; H7-2			
LC0025	N180B	DIN 38409-6;	EN ISO 11885; ICP-OES	EN ISO 14911;	EN ISO 10304-1;
LC0026	N180B	EN ISO 9963-1;		EN ISO 14911;	EN ISO 10304-1;
LC0027	N180B	DIN 38409-7; H7	DIN 38405-17; D17	DIN 38406-3; E3	DIN 38405-1; D1
LC0028	N180B			IC; house method	IC; house method
LC0029	N180B	DIN 38409-7;	EN ISO 17294-2;	EN ISO 14911;	EN ISO 10304-1;
LC0030	N180B		DIN 38405-17; ÖNORM M 6606		EN ISO 10304-1;
LC0031	N180B			titration; complexometric titration with EDTA (Trilon B)	ISO 9297;
LC0032	N180B	DIN 38409-7;		EN ISO 11885;	EN ISO 10304-1;
LC0033	N180B	EN ISO 9963-1; modified; titrimetry		EN ISO 14911; modified; IC	EN ISO 14911; modified; IC
LC0034	N180B	DIN 38409-7; titration	EN ISO 17294-2; ICP-MS	EN ISO 17294-2; ICP-MS	EN ISO 10304-1; IC
LC0035	N180B		EN ISO 17294-2;	EN ISO 17294-2;	EN ISO 10304-1;
LC0036	N180B	DIN 38409-7;	EN ISO 11885;	EN ISO 11885;	EN ISO 10304-1;
LC0037	N180B	DIN 38409-7; H7		EN ISO 14911; E34	EN ISO 10304-1; D20
LC0038	N180B	titrimetry;		IC;	IC;
LC0039	N180B	EN ISO 9963-1;		MSZ 1484-3;	MSZ 1484-15;
LC0040	N180B				IC;
LC0041	N180B	DIN 38409-7;	EN ISO 17294-2;	EN ISO 17294-2;	EN ISO 10304-1;
LC0042	N180B	DIN 38409-7;	EN ISO 11885;	EN ISO 11885;	EN ISO 10304-1;
LC0043	N180B			EN ISO 11885;	EN ISO 15682;
LC0044	N180B	DIN 38409-7; H7; titration	EN ISO 11885; E22; ICP-OES	EN ISO 11885; E22; ICP-OES	EN ISO 10304-1; IC; D20
LC0045	N180B	EN ISO 9963-1;		EN ISO 14911;	EN ISO 10304-1;
LC0046	N180B	titrimetry;			titrimetry;
LC0047	N180B	EN ISO 9963-1;	EN ISO 17294-2;	EN ISO 17294-2;	EN ISO 10304-1;
LC0048	N180B	DIN 38409-7; H7-2			

LC0049	N180B				
LC0050	N180B				

LabCode	Sample	Total-P (as PO4)	Total hardness	Hydrogen carbonate	Potassium
LC0001	N180B	EN ISO 15681-2;	DIN 38409-6;	DIN 38409-7; H7-2	EN ISO 17294-2;
LC0002	N180B				EN ISO 11885; ICP-OES; E22
LC0003	N180B	EN ISO 15681-2; D46; CFA			
LC0004	N180B	EN ISO 6878;	DIN 38409-6; H6; part 6	DIN 38409-7; part 7	EN ISO 11885;
LC0005	N180B	EN ISO 6878; D11			
LC0006	N180B		calculated;	calculated;	EN ISO 14911;
LC0007	N180B	EN ISO 6878; photometry			
LC0008	N180B	EN ISO 6878;	ISO 6059;	ISO 6059;	EN ISO 14911;
LC0009	N180B	EN ISO 6878;	EN ISO 14911;	EN ISO 9963-1;	EN ISO 14911;
LC0010	N180B	photometry;	IC;	calculated;	IC;
LC0011	N180B				ICP-OES; IEC 17025
LC0012	N180B	ISO 15923-1;	calculated;	DIN 38409-7;	EN ISO 11885;
LC0013	N180B	EN ISO 6878;	calculated;		EN ISO 11885; ICP-OES
LC0014	N180B	EN ISO 6878;	ISO 6059;		
LC0015	N180B	EN ISO 6878;			EN ISO 11885;
LC0016	N180B				
LC0017	N180B				
LC0018	N180B	EN ISO 6878;	DIN 38406-6;	EN ISO 9963-1;	EN ISO 14911;
LC0019	N180B	photometry; colorimetry (SM 4500-P E)	titration; SM 2340 C	calculated; SM 2330 B	EN ISO 14911;
LC0020	N180B			DIN 38409-7; H7	
LC0021	N180B				
LC0022	N180B	EN ISO 15681-2;	EN ISO 17294-2;	DIN 38409-7;	EN ISO 17294-2;
LC0023	N180B	EN ISO 6878;	DIN 38409-6;	DIN 38409-7;	EN ISO 14911;
LC0024	N180B				
LC0025	N180B	EN ISO 6878;	DIN 38409-6;	DIN 38409-6;	EN ISO 14911;
LC0026	N180B	EN ISO 6878;	DIN 38409;	EN ISO 9963-1;	EN ISO 14911;
LC0027	N180B	cuvette test;	DIN 38409-6; H6	DIN 38409-7;	DIN 38406-13; E13
LC0028	N180B		IC; house method		IC; house method
LC0029	N180B	EN ISO 6878;	DIN 38409-6;	DIN 38409-7;	EN ISO 14911;
LC0030	N180B				
LC0031	N180B		titration; complexometric titration with EDTA (Trilon B)		photometry; (flame)

LC0032	N180B			DIN 38409-7;	EN ISO 11885;
LC0033	N180B		EN ISO 14911; modified; IC	EN ISO 9963-1; modified; titrimetry	EN ISO 14911; modified; IC
LC0034	N180B	EN ISO 6878; UV	DIN 38409-6; calculated	calculated; (via Ks 4.3)	EN ISO 17294-2; ICP- MS
LC0035	N180B	EN ISO 17294-2;	calculated; EN ISO 17294-2 (Ca+Mg)	EN ISO 9963-1;	EN ISO 17294-2;
LC0036	N180B	EN ISO 6878;	DIN 38409-6;	DIN 38409-7; D8	EN ISO 11885;
LC0037	N180B	EN ISO 6878; D11	EN ISO 14911; E34	calculated;	EN ISO 14911; E34
LC0038	N180B	UV-Vis;			IC;
LC0039	N180B		MSZ 448-21;	MSZ 448-21;	MSZ 1484-3;
LC0040	N180B	FIA; oxisolv digestion			
LC0041	N180B	EN ISO 17294-2;	EN ISO 17294-2;	DIN 38409-7;	EN ISO 17294-2;
LC0042	N180B	EN ISO 6878;	DIN 38406-3;	calculated;	EN ISO 11885;
LC0043	N180B				EN ISO 11885;
LC0044	N180B	EN ISO 11885; E22; ICP-OES	calculated;		EN ISO 11885; E22; ICP-OES
LC0045	N180B		EN ISO 14911;	EN ISO 9963-1;	
LC0046	N180B	UV-Vis;		titrimetry;	
LC0047	N180B	EN ISO 6878;	calculated;	calculated;	EN ISO 17294-2;
LC0048	N180B				
LC0049	N180B				
LC0050	N180B				

LabCode	Sample	El. conductivity (25°C)	Magnesium	Sodium	Ammonium (as NH4)
LC0001	N180B	EN 27888;	EN ISO 17294-2;	EN ISO 17294-2;	EN ISO 11732;
LC0002	N180B	EN 27888; C8	EN ISO 11885; ICP-OES; E22	EN ISO 11885; ICP- OES; E22	ISO 15923-1; D49; discrete analyzer
LC0003	N180B	EN 27888; C8			ISO 15923-1; discrete analyzer
LC0004	N180B	EN 27888;	EN ISO 11885;	EN ISO 11885;	EN ISO 11732;
LC0005	N180B				
LC0006	N180B	EN 27888;	EN ISO 14911;	EN ISO 14911;	
LC0007	N180B				
LC0008	N180B	EN 27888;	EN ISO 14911;	EN ISO 14911;	DIN 38406-5;
LC0009	N180B	EN 27888;	EN ISO 14911;	EN ISO 14911;	DIN 38406-5;
LC0010	N180B	conductometry;	IC;	IC;	photometry;
LC0011	N180B	conductometry;	ICP-OES; IEC 17025	ICP-OES; IEC 17025	photometry;
LC0012	N180B	EN 27888;	EN ISO 11885;	EN ISO 11885;	ISO 15923-1;
LC0013	N180B	EN 27888;	EN ISO 11885; ICP-OES	EN ISO 11885; ICP- OES	DIN 38406-5;
LC0014	N180B	EN 27888;			ISO 7150-1;
LC0015	N180B		EN ISO 11885;	EN ISO 11885;	EN ISO 11732;
LC0016	N180B	EN 27888; C8			ISO 15923-1; D49

LC0017	N180B				DIN 38406-5; E5-1
LC0018	N180B	EN 27888;	EN ISO 14911;	EN ISO 14911;	ISO 7150-1;
LC0019	N180B	EN 27888;	EN ISO 14911;	EN ISO 14911;	titration; color indicator; SM 4500 NH3
LC0020	N180B	EN 27888; C8			
LC0021	N180B	EN 27888;			DIN 38406-5;
LC0022	N180B	EN 27888;	EN ISO 17294-2;	EN ISO 17294-2;	EN ISO 11732;
LC0023	N180B	EN 27888;	EN ISO 14911;	EN ISO 14911;	EN ISO 11732;
LC0024	N180B	EN 27888; C8			
LC0025	N180B	EN 27888;	EN ISO 14911;	EN ISO 14911;	DIN 38409-5;
LC0026	N180B	EN 27888;	EN ISO 14911;	EN ISO 14911;	DIN 38406-5; E5
LC0027	N180B	EN 27888;	DIN 38406-3; E3	DIN 38406-14; E14	cuvette test;
LC0028	N180B	EN 27888; conductometry	IC; house method	IC; house method	IC; house method
LC0029	N180B	EN 27888;	EN ISO 14911;	EN ISO 14911;	ISO 7150-1;
LC0030	N180B	EN 27888;			DIN 38406-5; ÖNORM ISO 7150-1
LC0031	N180B	conductometry;	titration; complexometric titration with EDTA (Trilon B)	photometry; (flame)	photometry; spectrophotometry (Nessler's reagent)
LC0032	N180B	EN 27888;	EN ISO 11885;	EN ISO 11885;	DIN 38406-5;
LC0033	N180B	EN 27888; conductometry	EN ISO 14911; modified; IC	EN ISO 14911; modified; IC	ISO 7150-1; modified, photometry
LC0034	N180B	EN 27888;	EN ISO 17294-2; ICP-MS	EN ISO 17294-2; ICP-MS	ISO 7150-1; UV
LC0035	N180B	EN 27888; (ISO 7888)	EN ISO 17294-2;	EN ISO 10304-1;	photometry; Nessler's reagent
LC0036	N180B	EN 27888;	EN ISO 11885;	EN ISO 11885;	ISO 7150-1;
LC0037	N180B	EN 27888; C8	EN ISO 14911; E34	EN ISO 14911; E34	EN ISO 14911; E34
LC0038	N180B	IC;	IC;	IC;	UV-Vis;
LC0039	N180B	EN 27888;	MSZ 1484-3;	MSZ 1484-3;	ISO 7150-1;
LC0040	N180B	conductometry;			FIA;
LC0041	N180B	EN 27888;	EN ISO 17294-2;	EN ISO 17294-2;	DIN 38406-5;
LC0042	N180B	EN 27888;	EN ISO 11885;	EN ISO 11885;	DIN 38406-5;
LC0043	N180B	EN 27888;	EN ISO 11885;	EN ISO 11885;	EN ISO 11732;
LC0044	N180B	EN 27888; C8	EN ISO 11885; E22; ICP-OES	EN ISO 11885; E22; ICP-OES	EN ISO 11732; E23
LC0045	N180B	EN 27888;	EN ISO 14911;	EN ISO 14911;	DIN 38406-5;
LC0046	N180B	conductometry;			UV-Vis;
LC0047	N180B	EN 27888;	EN ISO 17294-2;	EN ISO 17294-2;	ISO 7150-1;
LC0048	N180B	EN 27888; C8			
LC0049	N180B				
LC0050	N180B	EN 27888;			

LabCode	Sample	Nitrite (as NO ₂)	Nitrate (as NO ₃)	Orthophosphate (as PO ₄)	Sulfate (as SO ₄)
LC0001	N180B	EN ISO 13395 ;	EN ISO 10304-1;	EN ISO 15681-2;	EN ISO 10304-1;
LC0002	N180B	ISO 15923-1; D49; discrete analyzer	EN ISO 10304-1; D20;IC	EN ISO 6878; D11; photometry	EN ISO 10304-1; D20;IC
LC0003	N180B			ISO 15923-1; discrete analyzer	
LC0004	N180B	EN ISO 13395 ;	EN ISO 10304-1;	EN ISO 15681-2;	EN ISO 10304-1;
LC0005	N180B			EN ISO 6878; D11	
LC0006	N180B		EN ISO 10304-1;	EN ISO 10304-1;	EN ISO 10304-1;
LC0007	N180B			ISO 15923-1; discrete analyzer	ISO 15923-1; discrete analyzer
LC0008	N180B	EN 26777;	EN ISO 10304-1;	photometry; VIS	EN ISO 10304-1;
LC0009	N180B	EN 26777;	EN ISO 10304-1;	EN ISO 6878;	EN ISO 10304-1;
LC0010	N180B	photometry;	IC;	photometry;	IC;
LC0011	N180B	IC; IEC 17025	IC; IEC 17025	IC; IEC 17025	IC; IEC 17025
LC0012	N180B	ISO 15923-1;	EN ISO 10304-1;	ISO 15923-1;	EN ISO 10304-1;
LC0013	N180B	EN 26777;	EN ISO 10304-1;	EN ISO 6878;	EN ISO 10304-1;
LC0014	N180B	EN 26777;	DIN 38405-9;	EN ISO 6878;	photometry; spectroquant;
LC0015	N180B				
LC0016	N180B	ISO 15923-1; D49	EN ISO 10304-1; D20		EN ISO 10304-1; D20
LC0017	N180B				
LC0018	N180B	EN 26777;	EN ISO 10304-1;	EN ISO 6878;	EN ISO 10304-1;
LC0019	N180B	photometry; colorimetry; SM4500 NO ₂	IC; SM 4110 B	photometry; colorimetry (SM 4500-P E)	IC; SM 4110 B
LC0020	N180B				
LC0021	N180B	EN 26777;	EN ISO 10304-1;	EN ISO 6878;	EN ISO 10304-1;
LC0022	N180B	EN ISO 13395 ;	EN ISO 10304-1;	EN ISO 15681-2;	EN ISO 10304-1;
LC0023	N180B	EN ISO 13395 ;	EN ISO 10304-1;	EN ISO 15681-2;	EN ISO 10304-1;
LC0024	N180B				
LC0025	N180B	EN 26777;	EN ISO 10304-1;	EN ISO 6878;	EN ISO 10304-1;
LC0026	N180B	EN 26777;	EN ISO 10304-1;	EN ISO 6878;	EN ISO 10304-1;
LC0027	N180B	cuvette test;	cuvette test;	cuvette test;	DIN 38405-5; D5
LC0028	N180B	IC; house method	IC; house method		IC; house method
LC0029	N180B	EN 26777;	EN ISO 10304-1;	EN ISO 6878;	EN ISO 10304-1;
LC0030	N180B	EN 26777;	EN ISO 10304-1;	EN ISO 6878;	EN ISO 10304-1;
LC0031	N180B	photometry; spectrophotometry (Griess's reagent)	ISO 7890-3;	EN ISO 6878; house method	turbidimetry; house method
LC0032	N180B	EN 26777;	EN ISO 10304-1;		EN ISO 10304-1;
LC0033	N180B	EN 26777; modified; photometry	EN ISO 14911; modified; IC	EN ISO 6878; modified; photometry	EN ISO 14911; modified; IC
LC0034	N180B	EN 26777; UV	EN ISO 10304-1; IC	EN ISO 6878; UV	EN ISO 10304-1; IC

LC0035	N180B	photometry; sulfanilic acid	EN ISO 10304-1;	photometry;	EN ISO 10304-1;
LC0036	N180B	EN ISO 13395 ;	EN ISO 10304-1;	EN ISO 6878;	EN ISO 10304-1;
LC0037	N180B	EN 26777; D10	EN ISO 10304-1; D20	EN ISO 6878; D11	EN ISO 10304-1; D20
LC0038	N180B	UV-Vis;	IC;	UV-Vis;	IC;
LC0039	N180B	EN ISO 13395 ;	EN ISO 13395 ;	EN ISO 15681-1;	MSZ 448-13;
LC0040	N180B	FIA;	IC;	FIA;	IC;
LC0041	N180B	EN ISO 10304-1;	EN ISO 10304-1;	EN ISO 10304-1;	EN ISO 10304-1;
LC0042	N180B	EN ISO 13395 ;	EN ISO 13395 ;	EN ISO 6878;	EN ISO 10304-1;
LC0043	N180B	EN ISO 13395 ;	EN ISO 13395 ;	EN ISO 15681-2;	ISO 22743;
LC0044	N180B	EN ISO 10304-1; IC; D20	EN ISO 10304-1; IC; D20	cuvette test;	EN ISO 10304-1; IC; D20
LC0045	N180B	EN 26777;	EN ISO 10304-1;	EN ISO 6878;	EN ISO 10304-1;
LC0046	N180B	UV-Vis;	UV-Vis;	UV-Vis;	
LC0047	N180B	EN 26777;	EN ISO 10304-1;	EN ISO 6878;	EN ISO 10304-1;
LC0048	N180B				
LC0049	N180B				
LC0050	N180B				

LabCode	Sample	pH-value	Total nitrogen
LC0001	N180B	EN ISO 10523;	EN ISO 20236;
LC0002	N180B	EN ISO 10523; C5	EN 12260; H35; combustion/CLD
LC0003	N180B	EN ISO 10523;	
LC0004	N180B	EN ISO 10523;	EN 12260;
LC0005	N180B		
LC0006	N180B	EN ISO 10523;	
LC0007	N180B		EN 12260; TNb
LC0008	N180B	potentiometry; ph_electrode	
LC0009	N180B	EN ISO 10523;	EN ISO 20236;
LC0010	N180B	pH-meter; potentiometry	TOC-N analyzer;
LC0011	N180B	pH-meter; electrode	
LC0012	N180B	EN ISO 10523;	ISO 15923-1;
LC0013	N180B	EN ISO 10523;	EN 12260;
LC0014	N180B	EN ISO 10523;	combustion; (catalytic oxidative)
LC0015	N180B		
LC0016	N180B		
LC0017	N180B		
LC0018	N180B	EN ISO 10523;	EN ISO 20236;
LC0019	N180B	EN ISO 10523;	EN ISO 20236;

LC0020	N180B	EN ISO 10523; C5	
LC0021	N180B	EN ISO 10523;	
LC0022	N180B	EN ISO 10523;	EN ISO 11905-1;
LC0023	N180B	EN ISO 10523;	EN ISO 20236;
LC0024	N180B	EN ISO 10523; C5	
LC0025	N180B	DIN 38409-6;	
LC0026	N180B	EN ISO 10523;	EN ISO 20236;
LC0027	N180B	EN ISO 10523;	cuvette test;
LC0028	N180B	EN ISO 10523; pH-meter	
LC0029	N180B	EN ISO 10523;	
LC0030	N180B	EN ISO 10523; DIN 19268	
LC0031	N180B	EN ISO 10523;	
LC0032	N180B	EN ISO 10523;	
LC0033	N180B	EN ISO 10523; pH-meter	
LC0034	N180B	EN ISO 10523;	EN ISO 20236; chemoluminescence
LC0035	N180B	EN ISO 10523;	
LC0036	N180B	EN ISO 10523;	EN ISO 11905-1;
LC0037	N180B	EN ISO 10523; C5	
LC0038	N180B	pH-meter; potentiometry	combustion (IR);
LC0039	N180B	MSZ 1484-22;	
LC0040	N180B		IC; oxisolv digestion
LC0041	N180B	EN ISO 10523;	EN ISO 11905-1;
LC0042	N180B	EN ISO 10523;	DIN 38409-27;
LC0043	N180B	EN ISO 10523;	
LC0044	N180B	EN ISO 10523; C5	EN 12260; H34; oxidation
LC0045	N180B	EN ISO 10523;	
LC0046	N180B	pH-meter; potentiometry	
LC0047	N180B	EN ISO 10523;	
LC0048	N180B	EN ISO 10523;	
LC0049	N180B	DIN 38404;	EN ISO 11905-1; EN ISO 13395 (CFA)
LC0050	N180B	EN ISO 10523;	

LabCode	Sample	DOC (as C)
LC0001	N180BDOC	EN 1484;
LC0002	N180BDOC	EN 1484; H3; combustion/IR
LC0003	N180BDOC	
LC0004	N180BDOC	EN 1484;

LC0005	N180BDOC	
LC0006	N180BDOC	
LC0007	N180BDOC	EN 1484;
LC0008	N180BDOC	catalytic oxidation (NDIR);
LC0009	N180BDOC	EN 1484;
LC0010	N180BDOC	TOC-N analyzer;
LC0011	N180BDOC	
LC0012	N180BDOC	EN 1484;
LC0013	N180BDOC	EN 1484;
LC0014	N180BDOC	EN 1484;
LC0015	N180BDOC	
LC0016	N180BDOC	
LC0017	N180BDOC	
LC0018	N180BDOC	EN ISO 20236;
LC0019	N180BDOC	DAQUAS-GTL-01;
LC0020	N180BDOC	
LC0021	N180BDOC	
LC0022	N180BDOC	EN 1484;
LC0023	N180BDOC	EN 1484;
LC0024	N180BDOC	EN 1484;
LC0025	N180BDOC	EN 1484;
LC0026	N180BDOC	EN ISO 20236;
LC0027	N180BDOC	EN 1484; H3
LC0028	N180BDOC	photometry (IR); house method
LC0029	N180BDOC	EN 1484;
LC0030	N180BDOC	
LC0031	N180BDOC	EN 1484;
LC0032	N180BDOC	EN 1484;
LC0033	N180BDOC	
LC0034	N180BDOC	EN 1484; catalytic oxidation
LC0035	N180BDOC	
LC0036	N180BDOC	EN 1484;
LC0037	N180BDOC	
LC0038	N180BDOC	persulphate;
LC0039	N180BDOC	
LC0040	N180BDOC	combustion;
LC0041	N180BDOC	EN 1484;
LC0042	N180BDOC	EN 1484;

LC0043	N180BDOC	EN 1484;
LC0044	N180BDOC	EN 1484; H3
LC0045	N180BDOC	EN 1484;
LC0046	N180BDOC	
LC0047	N180BDOC	EN 1484;
LC0048	N180BDOC	
LC0049	N180BDOC	
LC0050	N180BDOC	